

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052472.D
 Acq On : 27 Nov 2018 11:25
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:42 AM

Quant Time: Nov 28 01:02:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 00:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1064245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1680042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1522805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	731888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1785106	154.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.10%	
35) Dibromofluoromethane	7.59	113	1580034	152.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.10%	
50) Toluene-d8	10.09	98	6188599	153.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.00%	
62) 4-Bromofluorobenzene	12.40	95	2161278	159.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1476270	148.147	ug/l	98
3) Chloromethane	2.06	50	1968220	149.632	ug/l	100
4) Vinyl Chloride	2.19	62	2019503	149.459	ug/l	100
5) Bromomethane	2.56	94	1207086	143.175	ug/l	97
6) Chloroethane	2.70	64	1196236	146.156	ug/l	100
7) Trichlorofluoromethane	3.02	101	2488459	149.928	ug/l	100
8) Diethyl Ether	3.41	74	971483	158.498	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1555830	150.224	ug/l	100
10) Methyl Iodide	3.96	142	2346400	170.103	ug/l	100
11) Tert butyl alcohol	4.78	59	507734	875.234	ug/l	99
12) 1,1-Dichloroethene	3.74	96	1529580	153.431	ug/l	98
13) Acrolein	3.61	56	862498	945.101	ug/l	100
14) Allyl chloride	4.33	41	2782950	161.970	ug/l	99
15) Acrylonitrile	4.99	53	3063448	834.231	ug/l	99
16) Acetone	3.82	43	2278244	745.409	ug/l	100
17) Carbon Disulfide	4.06	76	4786067	152.555	ug/l	100
18) Methyl Acetate	4.32	43	1463308	166.910	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	4342839	163.730	ug/l	99
20) Methylene Chloride	4.55	84	1716250	143.496	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	1641121	154.135	ug/l	98
22) Diisopropyl ether	5.95	45	5583195	154.697	ug/l	98
23) Vinyl Acetate	5.90	43	19188810	853.614	ug/l	99
24) 1,1-Dichloroethane	5.85	63	3155358	153.122	ug/l	99
25) 2-Butanone	6.83	43	3574454	825.112	ug/l	98
26) 2,2-Dichloropropane	6.83	77	2257308	158.260	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1883175	151.835	ug/l	99
28) Bromochloromethane	7.19	49	1435055	152.469	ug/l	99
29) Tetrahydrofuran	7.21	42	2324272	831.828	ug/l	99
30) Chloroform	7.37	83	2993960	145.625	ug/l	98
31) Cyclohexane	7.65	56	2993723	129.853	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	2537215	155.760	ug/l	99
36) 1,1-Dichloropropene	7.79	75	2412757	152.080	ug/l	100
37) Ethyl Acetate	6.93	43	1568278	161.973	ug/l	100
38) Carbon Tetrachloride	7.78	117	2222670	154.759	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2997963	155.469	ug/l	99
40) Benzene	8.04	78	7154852	151.326	ug/l	100
41) Methacrylonitrile	7.17	41	845539	159.734	ug/l	97
42) 1,2-Dichloroethane	8.12	62	2185503	152.660	ug/l	100
43) Isopropyl Acetate	8.16	43	2798799	170.810	ug/l	99
44) Trichloroethene	8.84	130	1843207	152.193	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1923000	152.980	ug/l	99
46) Dibromomethane	9.21	93	1076277	154.666	ug/l	99
47) Bromodichloromethane	9.40	83	2352700	155.505	ug/l	100
48) Methyl methacrylate	9.20	41	1463063	171.241	ug/l	98
49) 1,4-Dioxane	9.20	88	284977	3213.886	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	7736747	841.555	ug/l	100
52) Toluene	10.16	92	4342802	154.594	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	2522714	173.324	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2891397	165.771	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1548733	156.733	ug/l	99
56) Ethyl methacrylate	10.43	69	2173246	178.707	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2711720	155.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	6165659	859.904	ug/l	100
59) 2-Hexanone	10.75	43	5304643	859.724	ug/l	99
60) Dibromochloromethane	10.90	129	1762779	164.252	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1584310	161.429	ug/l	100
64) Tetrachloroethene	10.63	164	1680975	142.374	ug/l	99
65) Chlorobenzene	11.44	112	4792826	152.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1692712	155.039	ug/l	100
67) Ethyl Benzene	11.51	91	8527095	155.074	ug/l	99
68) m/p-Xylenes	11.62	106	6366790	311.025	ug/l	100
69) o-Xylene	11.95	106	3095719	155.732	ug/l	100
70) Styrene	11.96	104	5122405	161.786	ug/l	100
71) Bromoform	12.13	173	1229011	170.010	ug/l #	99
73) Isopropylbenzene	12.25	105	8212083	143.015	ug/l	99
74) N-amyl acetate	12.07	43	2499781	172.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1935401	148.169	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1580195m	145.561	ug/l	
77) Bromobenzene	12.53	156	2053023	144.651	ug/l	98
78) n-propylbenzene	12.59	91	9672166	148.271	ug/l	100
79) 2-Chlorotoluene	12.68	91	5574541	143.502	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6726778	146.886	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	608842	180.154	ug/l	95
82) 4-Chlorotoluene	12.78	91	5718642	146.067	ug/l	100
83) tert-Butylbenzene	12.99	119	5866671	143.696	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	6900234	150.348	ug/l	99
85) sec-Butylbenzene	13.17	105	8229645	147.995	ug/l	99
86) p-Isopropyltoluene	13.29	119	7206427	152.153	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3712567	149.540	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3654906	149.456	ug/l	100
89) n-Butylbenzene	13.62	91	6455453	163.889	ug/l	100
90) Hexachloroethane	13.88	117	1243411	155.047	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	3475697	146.535	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	311261	166.613	ug/l	99

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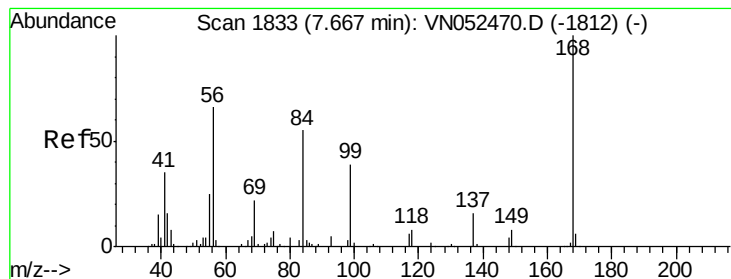
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2053376	183.079	ug/l	100
94) Hexachlorobutadiene	15.01	225	1090001	142.847	ug/l	99
95) Naphthalene	15.14	128	4421559	190.963	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1891194	180.544	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

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VSTDIC150

Tgt Ion:168 Resp: 1064245

Ion Ratio Lower Upper

168 100

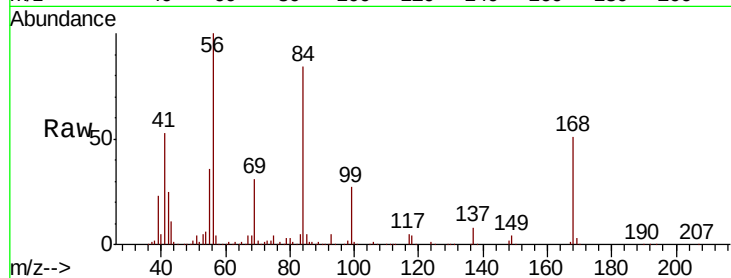
99 51.8 41.7 62.5

Manual Integrations

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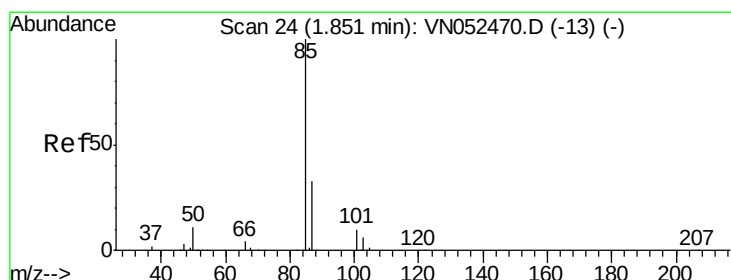
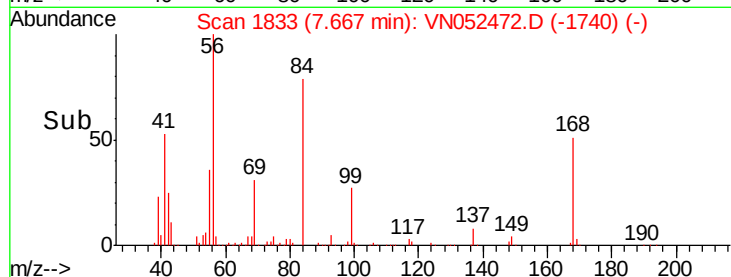
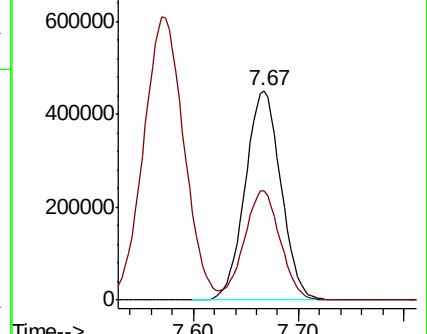
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 148.147 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052472.D

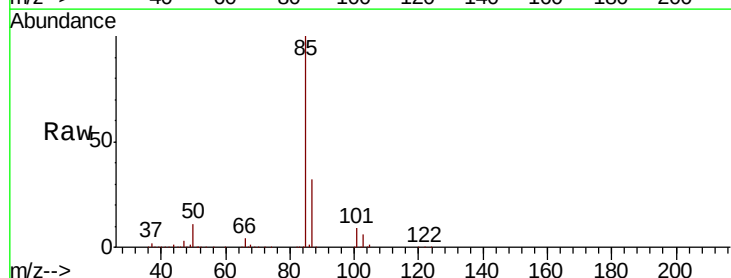
Acq: 27 Nov 2018 11:25

Tgt Ion: 85 Resp: 1476270

Ion Ratio Lower Upper

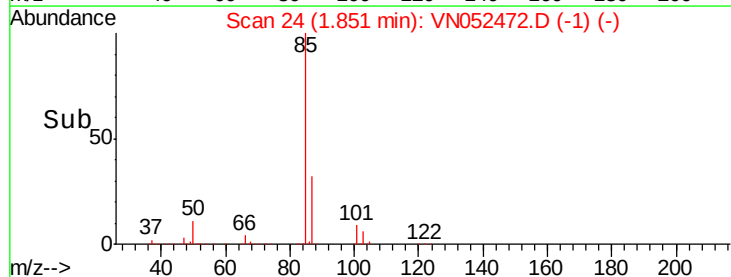
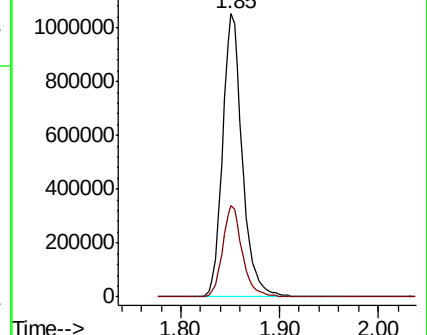
85 100

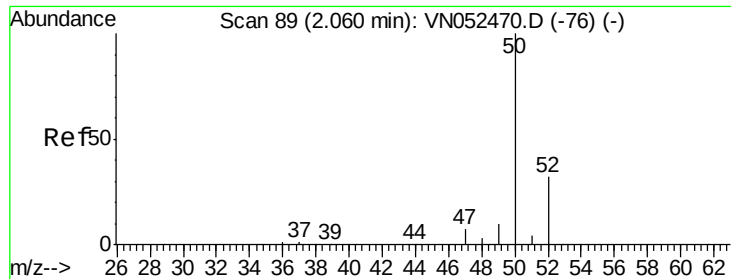
87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 149.632 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 1968220

Ion Ratio Lower Upper

50 100

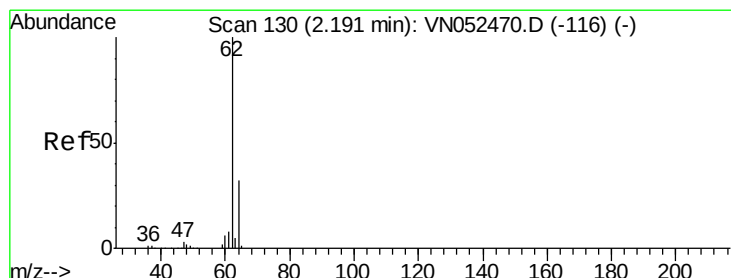
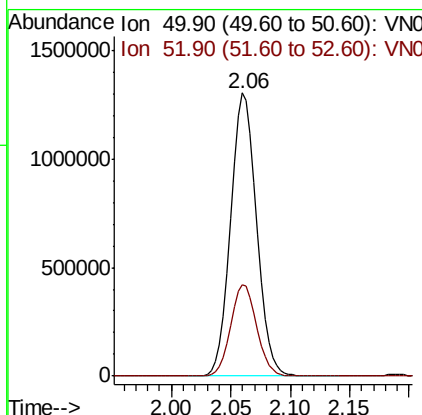
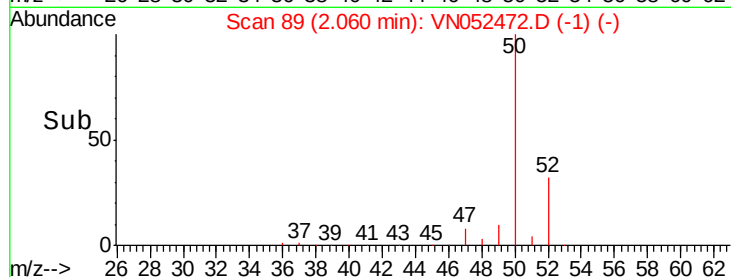
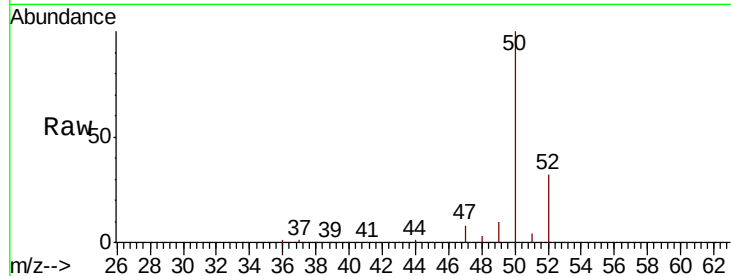
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 149.459 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052472.D

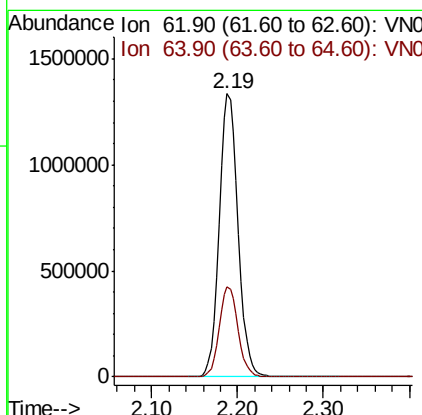
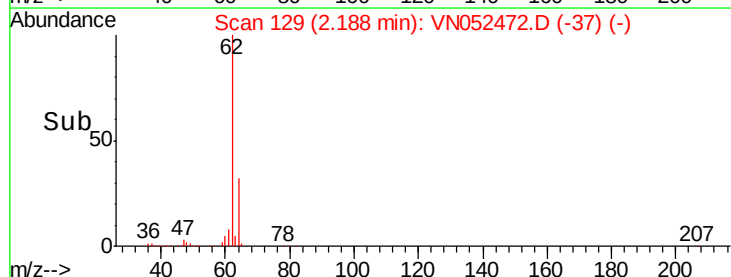
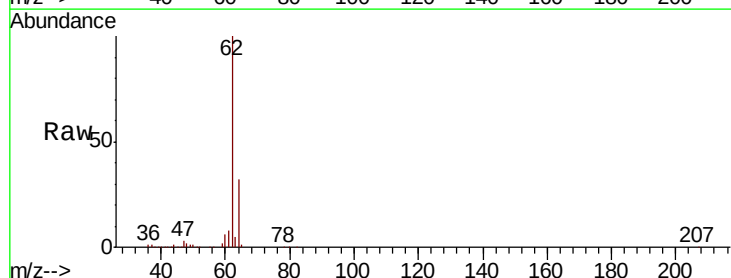
Acq: 27 Nov 2018 11:25

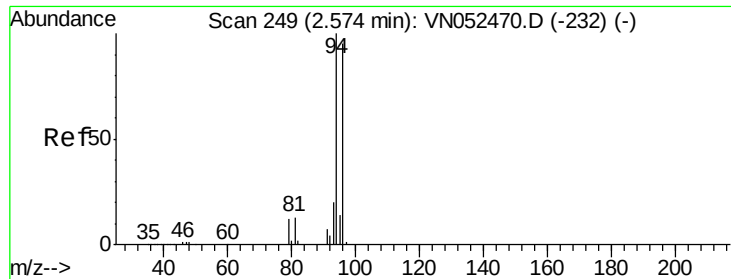
Tgt Ion: 62 Resp: 2019503

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 143.175 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.02 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 1207086

Ion Ratio Lower Upper

94 100

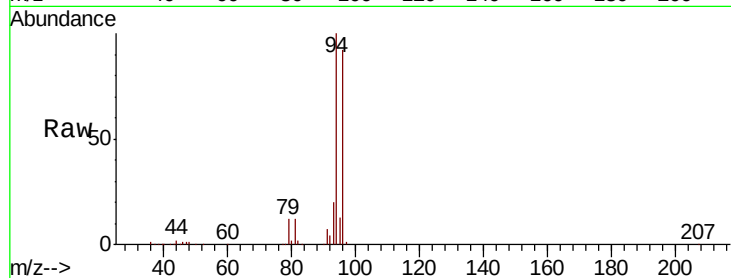
96 92.1 75.8 113.8

Manual Integrations

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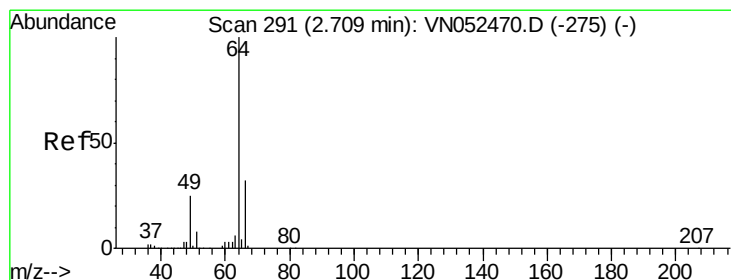
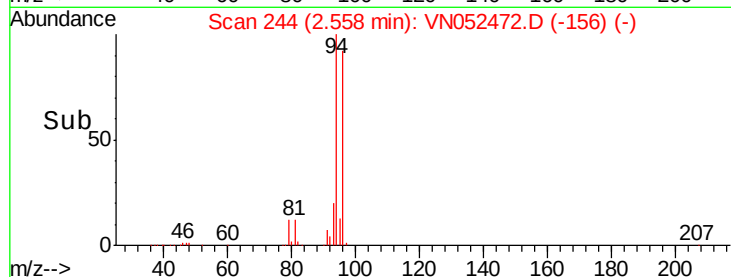
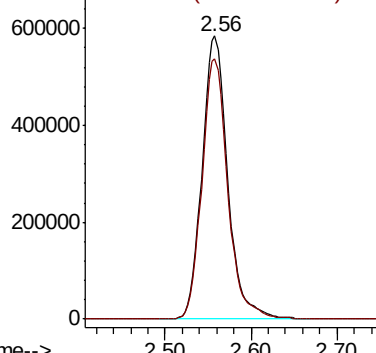
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 146.156 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052472.D

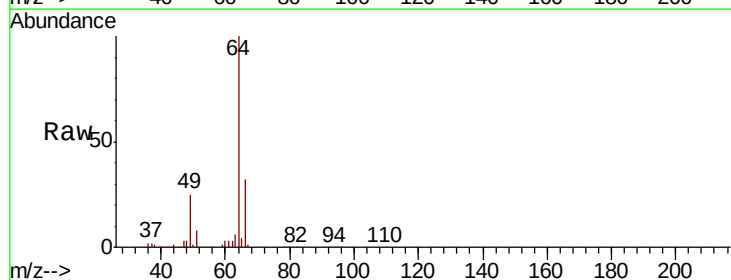
Acq: 27 Nov 2018 11:25

Tgt Ion: 64 Resp: 1196236

Ion Ratio Lower Upper

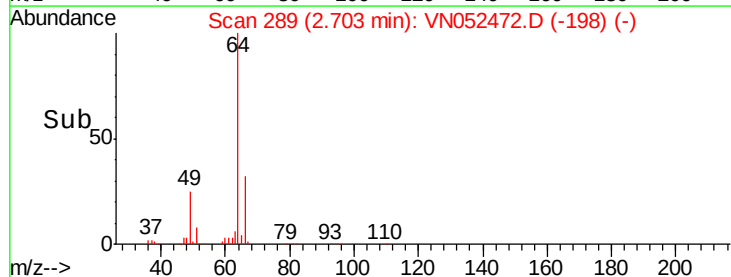
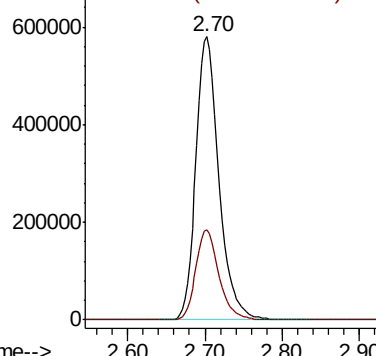
64 100

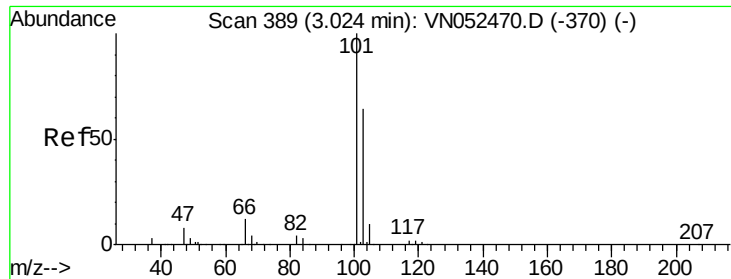
66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

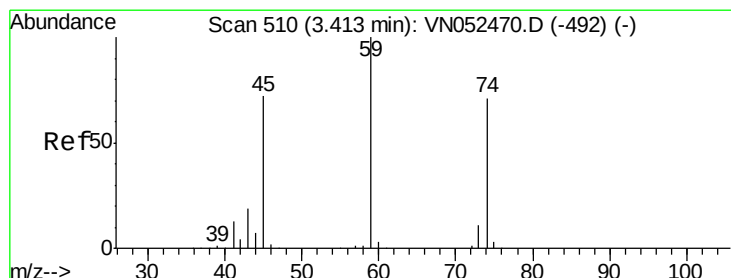
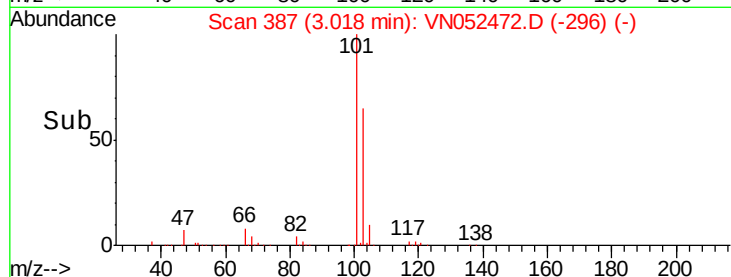
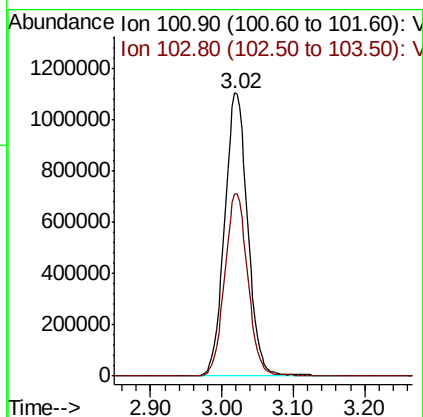
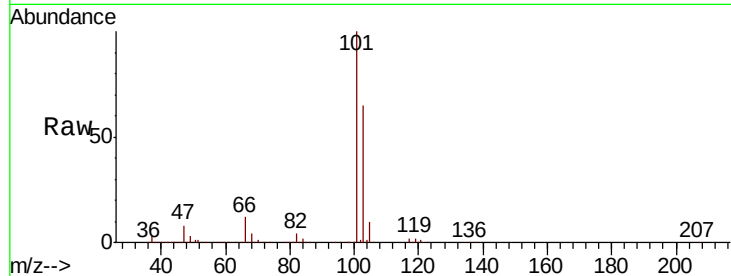
Trichlorofluoromethane
Concen: 149.928 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
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VSTDIC150

Tgt Ion:101 Resp: 2488459
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

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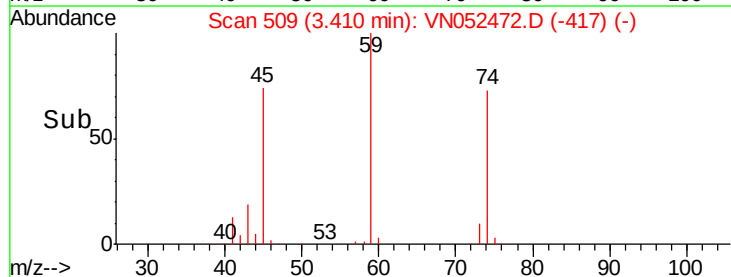
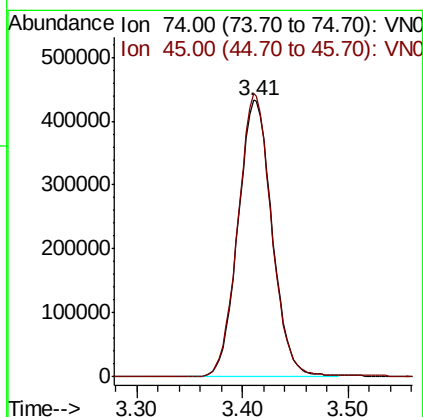
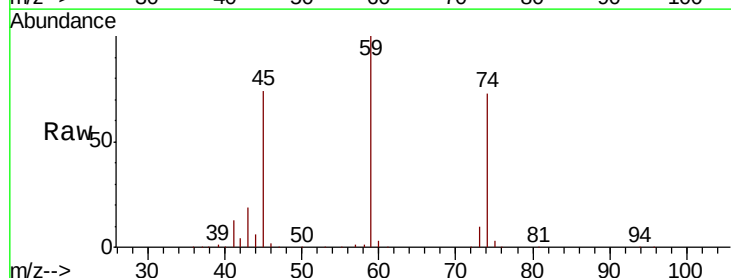
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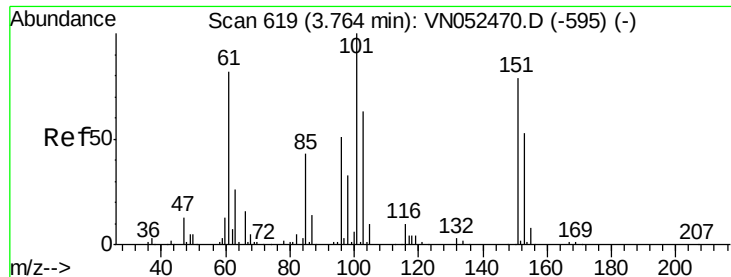


#8

Diethyl Ether
Concen: 158.498 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 74 Resp: 971483
Ion Ratio Lower Upper
74 100
45 100.6 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.224 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 1555830

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

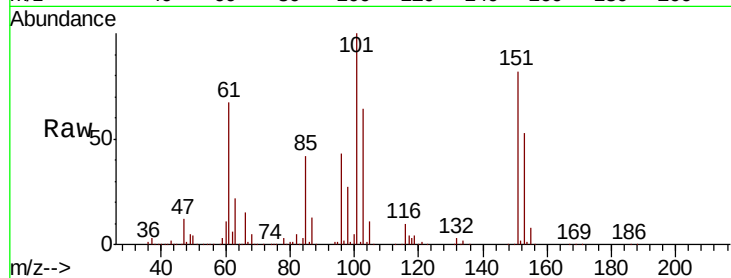
151 80.9 64.6 96.8

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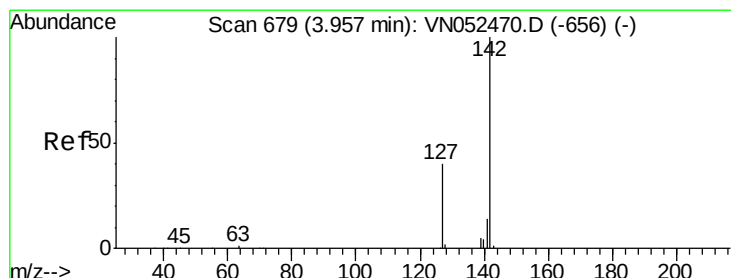
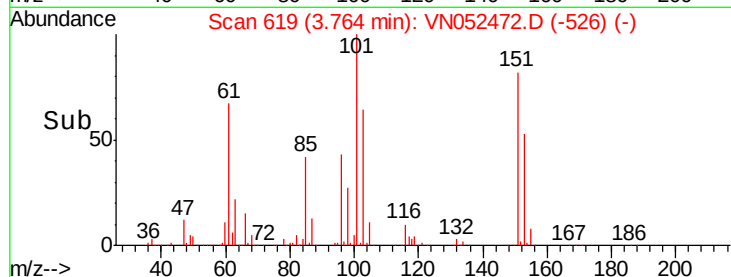
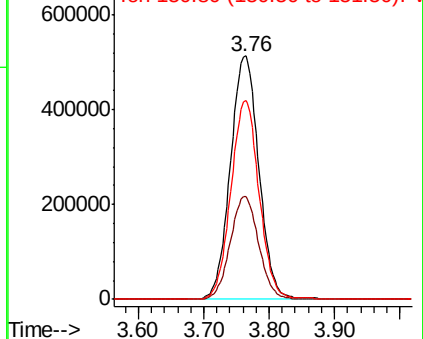
11/28/2018 9:33:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 170.103 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

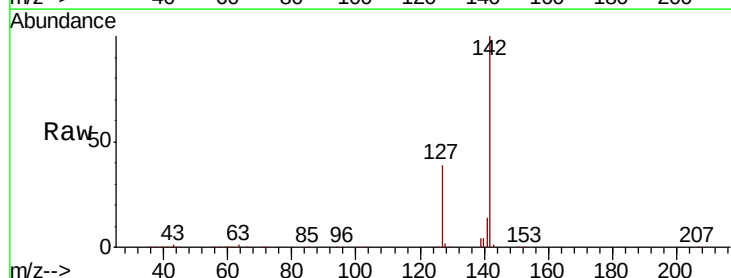
Tgt Ion:142 Resp: 2346400

Ion Ratio Lower Upper

142 100

127 39.5 31.8 47.6

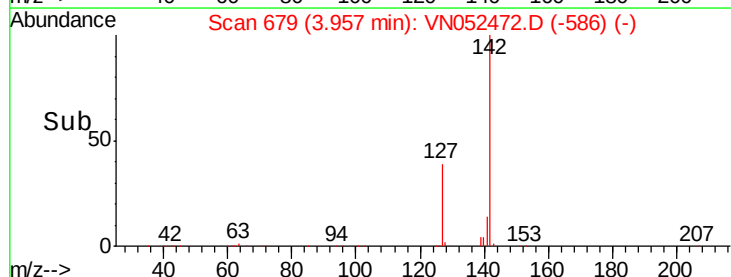
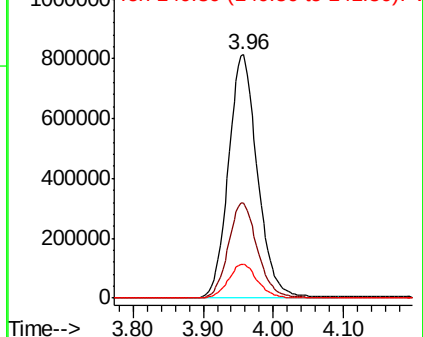
141 14.0 11.4 17.0

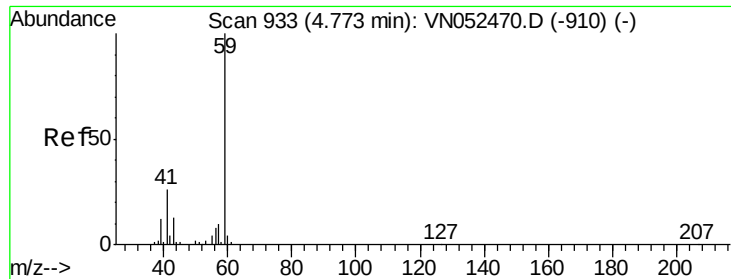


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

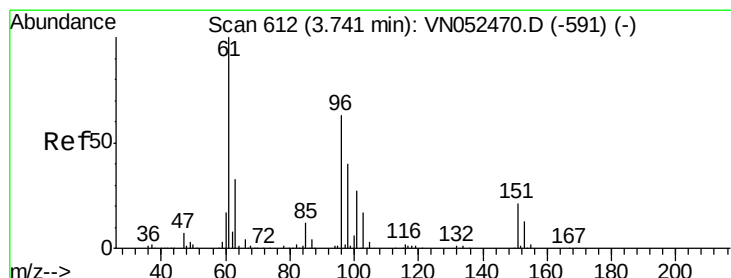
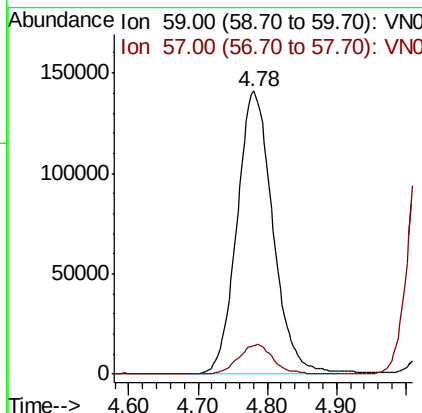
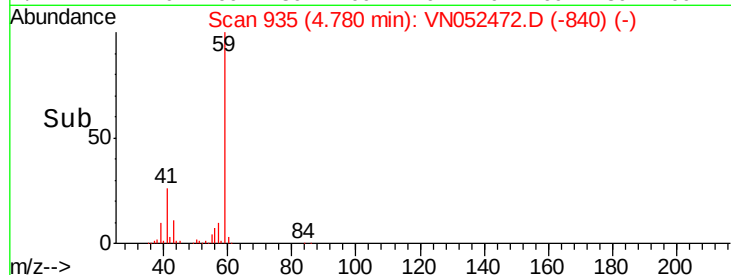
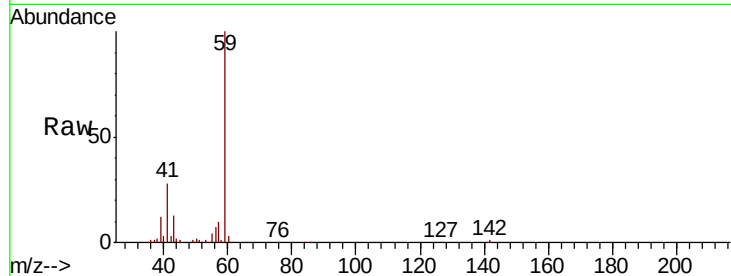
Tert butyl alcohol
Concen: 875.234 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 507734
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

Manual Integrations
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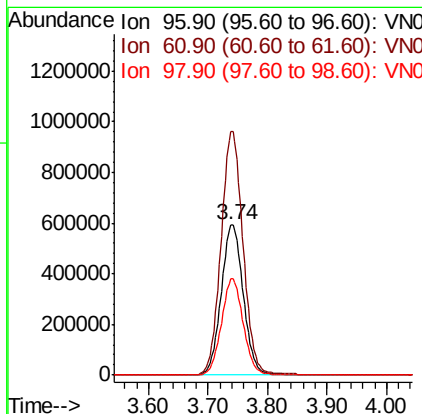
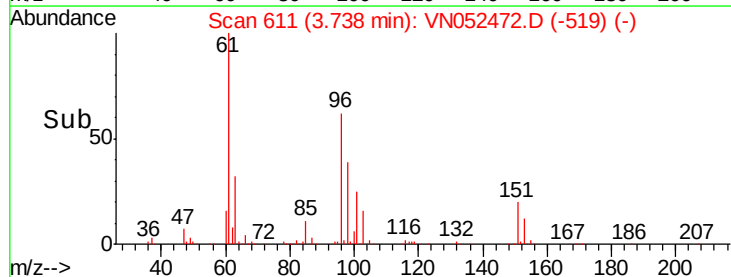
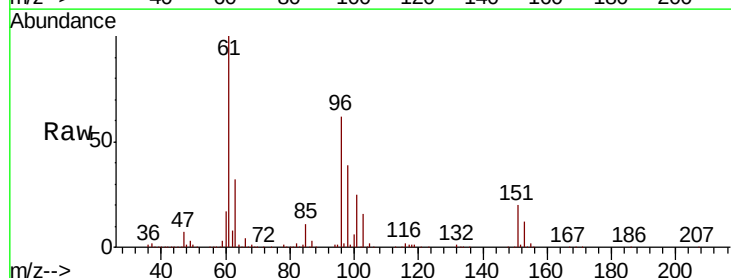
MMDadoda
11/28/2018 9:33:42 AM

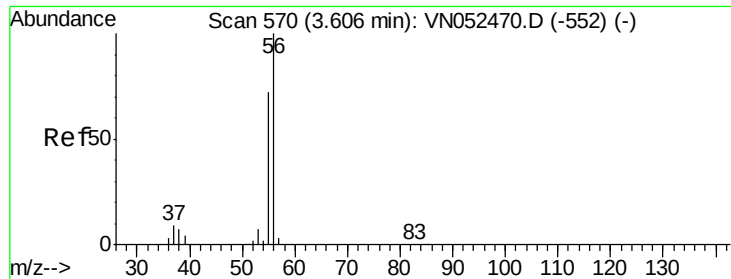


#12

1,1-Dichloroethene
Concen: 153.431 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 96 Resp: 1529580
Ion Ratio Lower Upper
96 100
61 161.5 127.0 190.6
98 63.6 50.3 75.5





#13

Acrolein

Concen: 945.101 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 862498

Ion Ratio Lower Upper

56 100

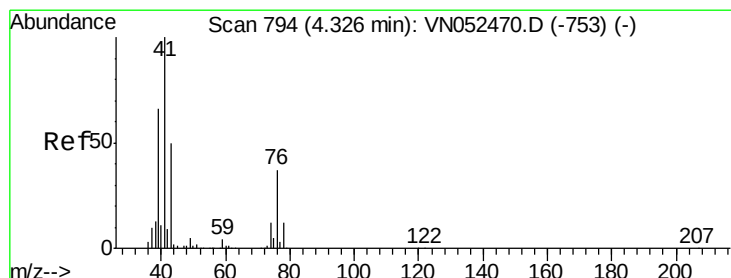
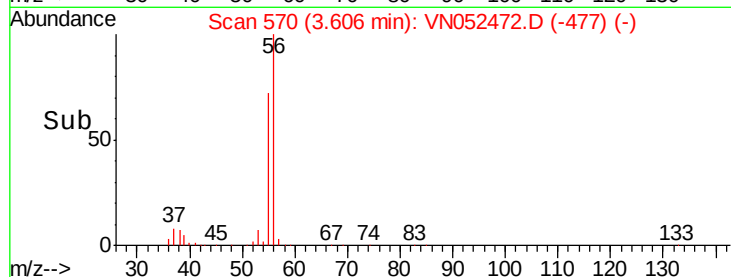
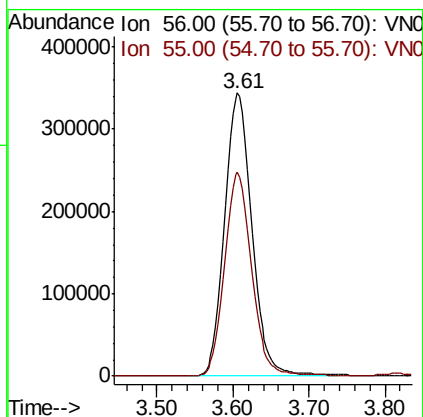
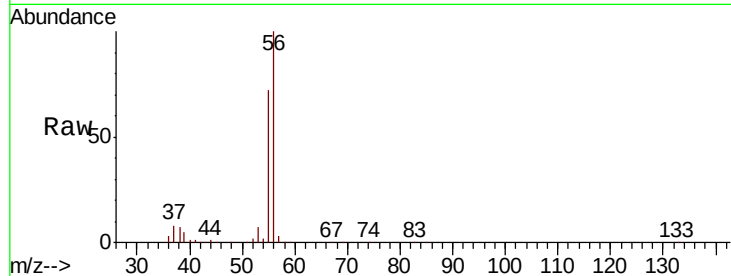
55 71.2 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 161.970 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

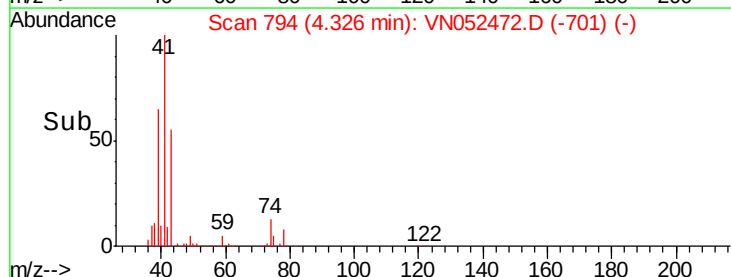
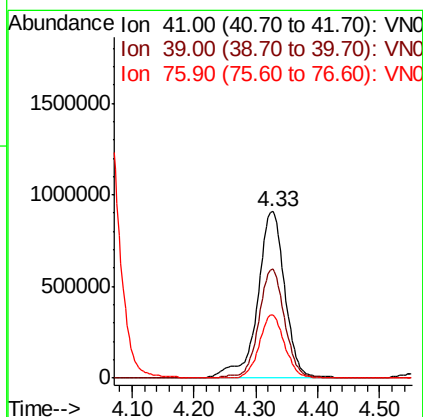
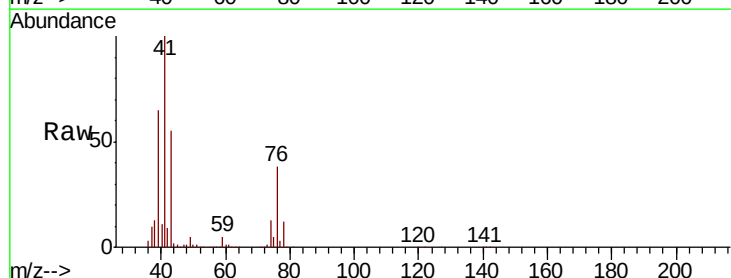
Tgt Ion: 41 Resp: 2782950

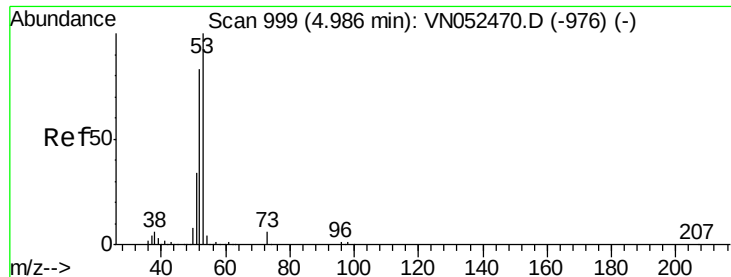
Ion Ratio Lower Upper

41 100

39 62.7 50.6 76.0

76 34.8 27.4 41.2





#15

Acrylonitrile

Concen: 834.231 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 3063448

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

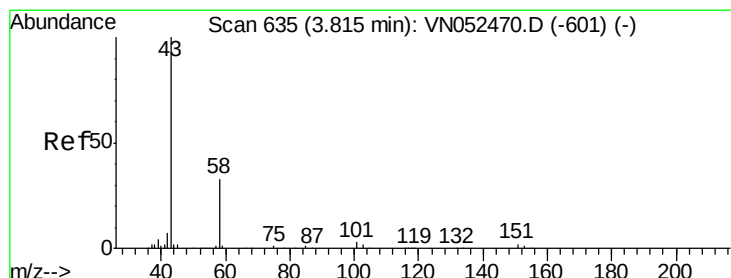
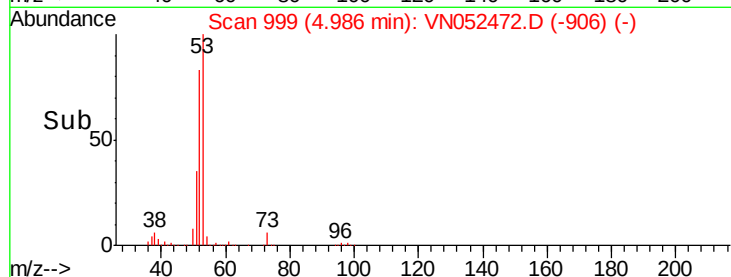
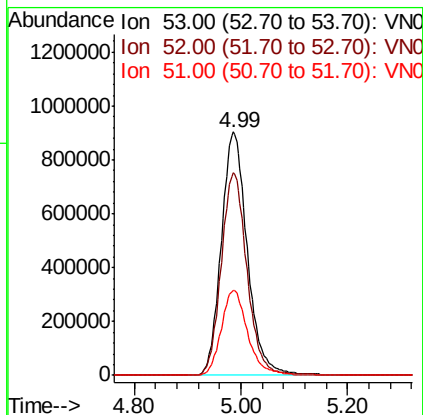
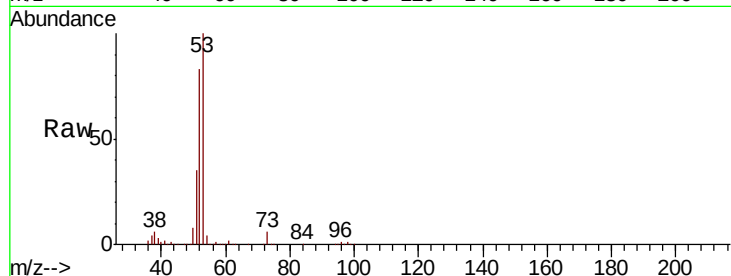
51 35.8 28.1 42.1

Manual Integrations

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#16

Acetone

Concen: 745.409 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052472.D

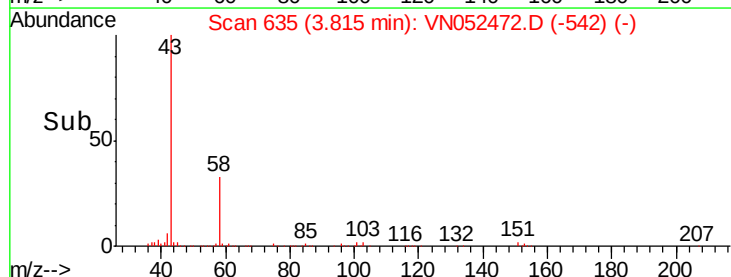
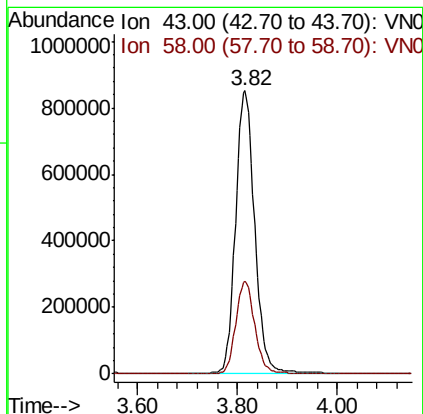
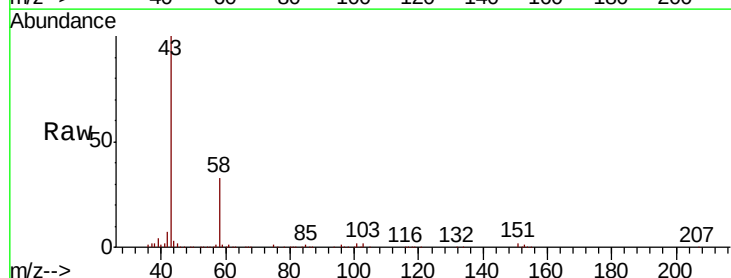
Acq: 27 Nov 2018 11:25

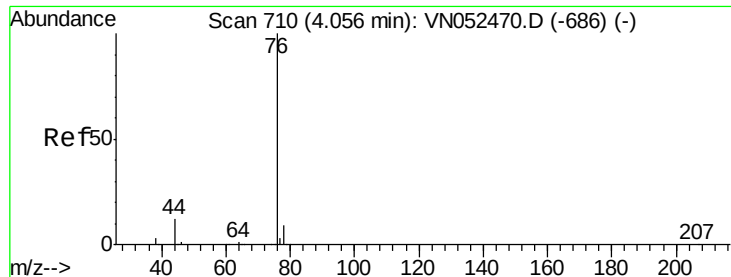
Tgt Ion: 43 Resp: 2278244

Ion Ratio Lower Upper

43 100

58 32.8 26.0 39.0





#17

Carbon Disulfide

Concen: 152.555 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 4786067

Ion Ratio Lower Upper

76 100

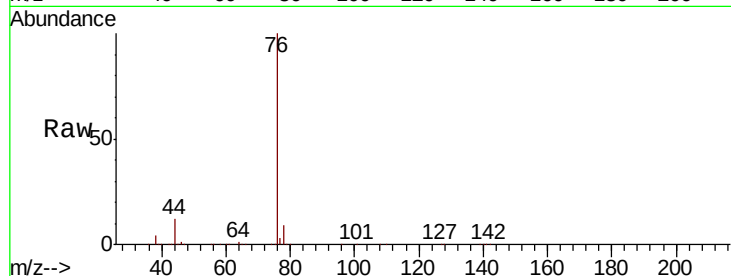
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052472.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052472.D (-617) (-)

2000000

1500000

1000000

500000

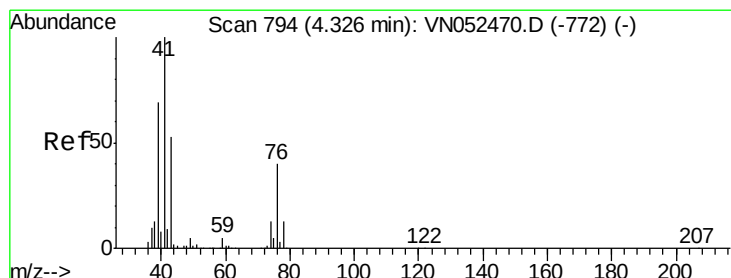
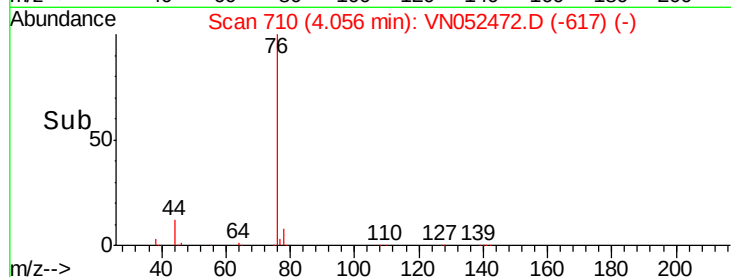
0

4.06

4.00

4.20

Time-->



#18

Methyl Acetate

Concen: 166.910 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052472.D

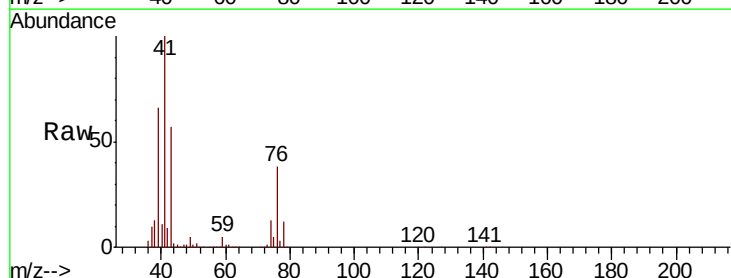
Acq: 27 Nov 2018 11:25

Tgt Ion: 43 Resp: 1463308

Ion Ratio Lower Upper

43 100

74 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052472.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052472.D (-701) (-)

600000

500000

400000

300000

200000

100000

0

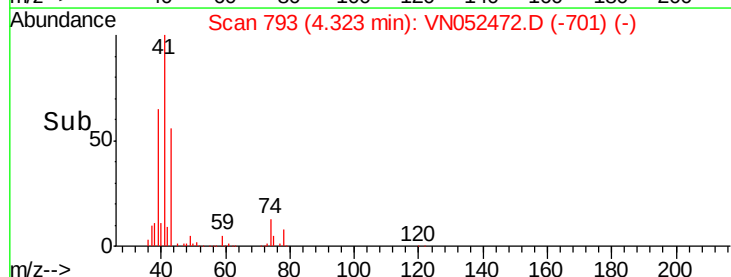
4.32

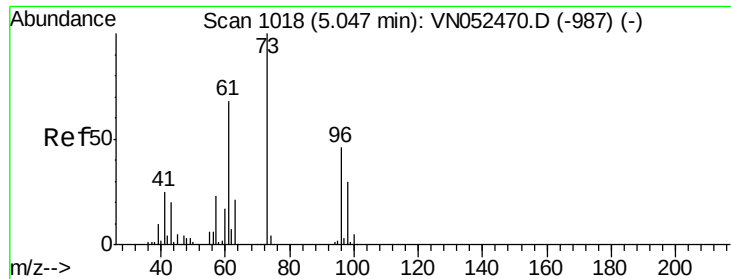
4.20

4.40

4.50

Time-->





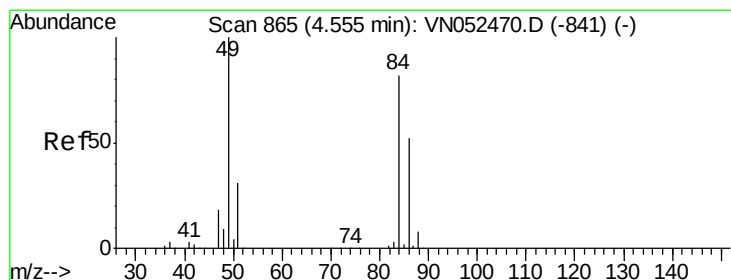
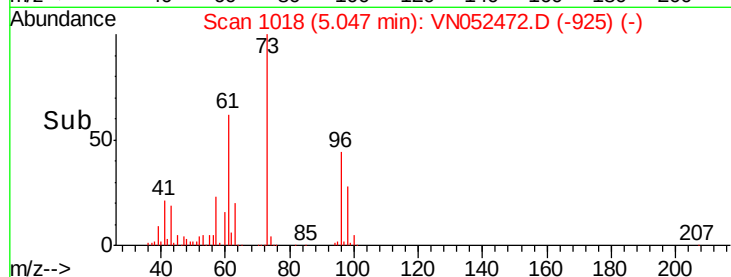
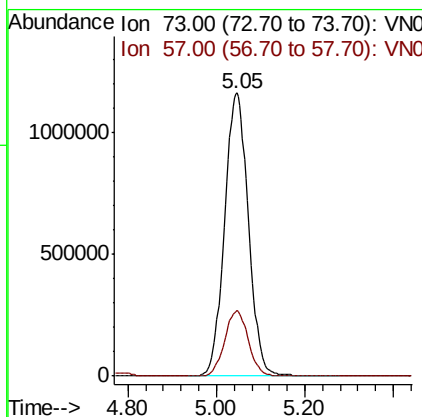
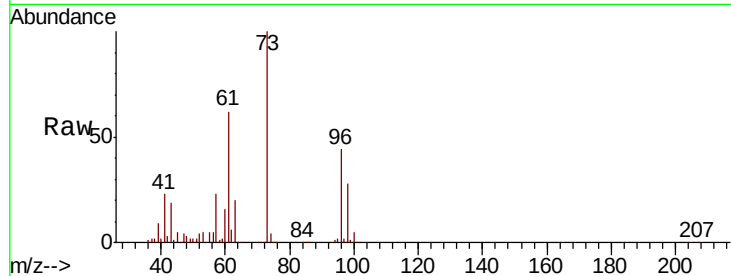
#19
Methyl tert-butyl Ether
Concen: 163.730 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 4342839
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2

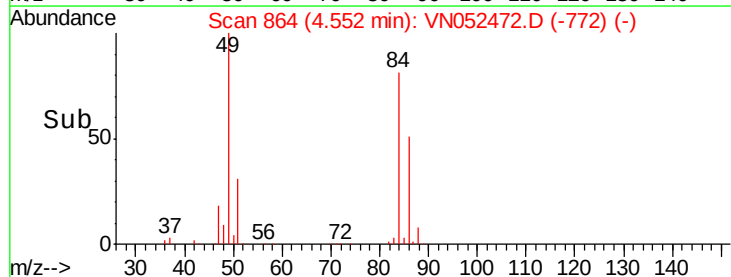
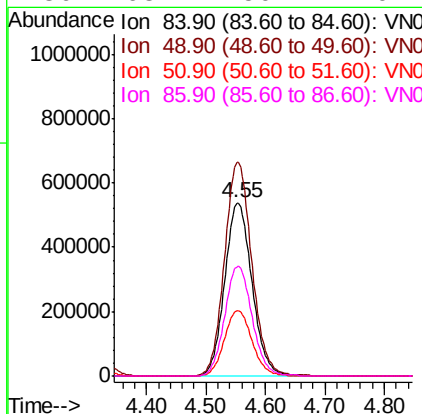
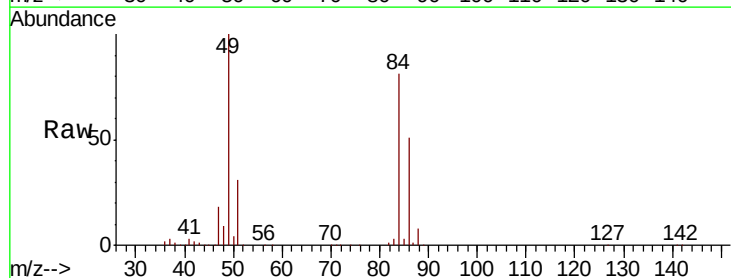
Manual Integrations
APPROVED

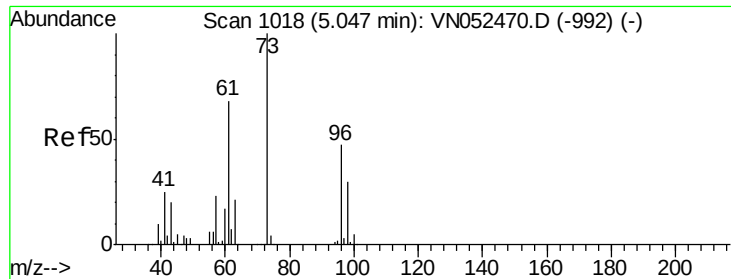
MMDadoda
11/28/2018 9:33:42 AM



#20
Methylene Chloride
Concen: 143.496 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 84 Resp: 1716250
Ion Ratio Lower Upper
84 100
49 123.1 98.0 147.0
51 37.8 30.1 45.1
86 63.1 50.7 76.1





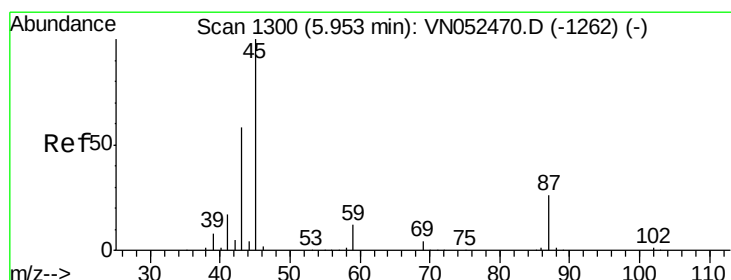
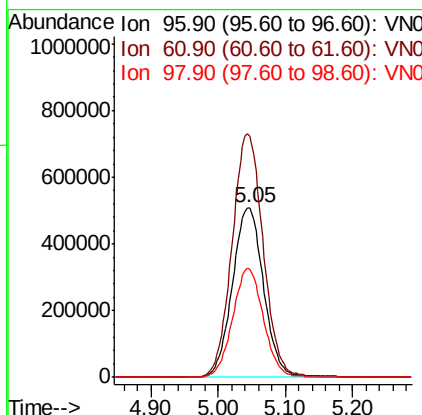
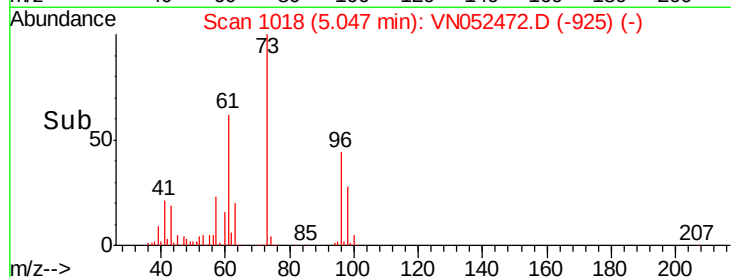
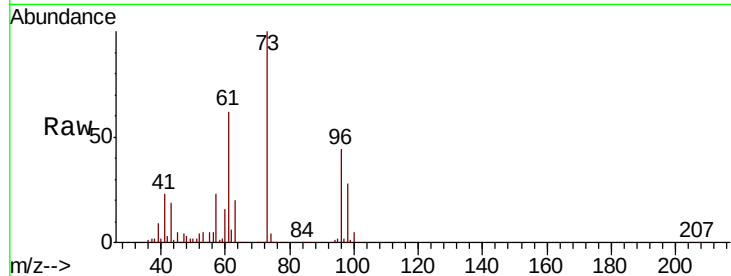
#21
trans-1,2-Dichloroethene
Concen: 154.135 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 1641121
Ion Ratio Lower Upper
96 100
61 142.2 117.0 175.4
98 64.0 51.8 77.6

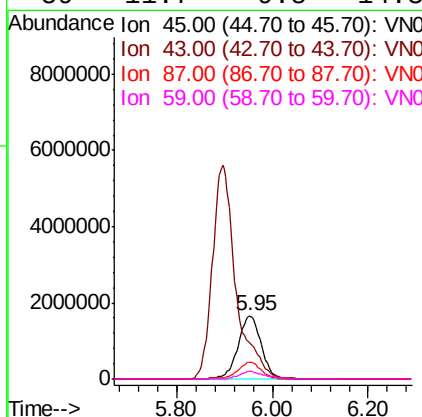
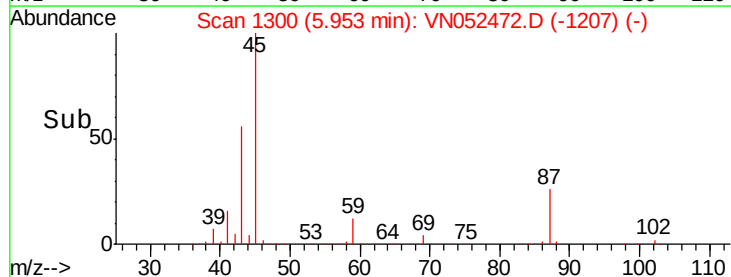
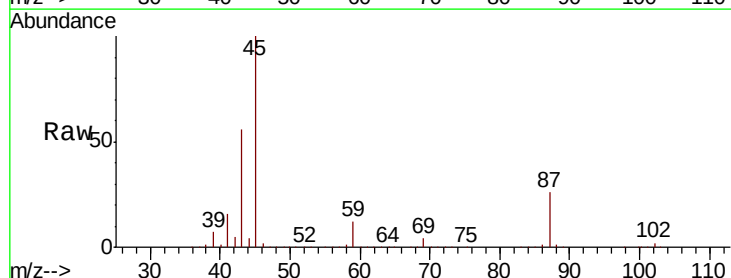
Manual Integrations
APPROVED

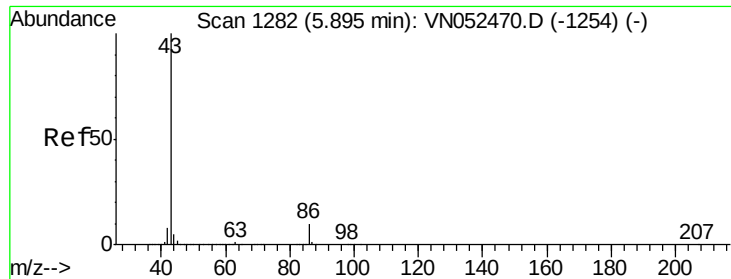
MMDadoda
11/28/2018 9:33:42 AM



#22
Diisopropyl ether
Concen: 154.697 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 45 Resp: 5583195
Ion Ratio Lower Upper
45 100
43 55.8 46.1 69.1
87 26.5 21.3 31.9
59 11.7 9.5 14.3





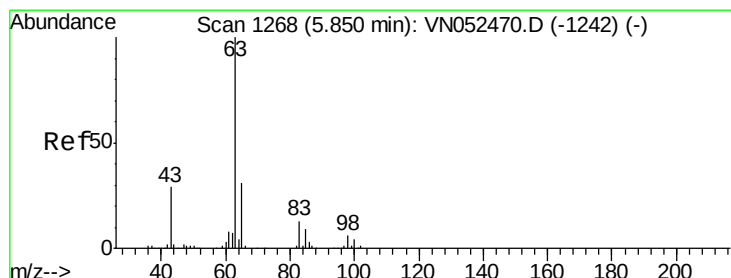
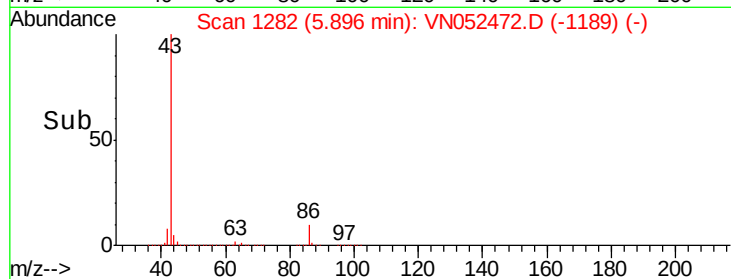
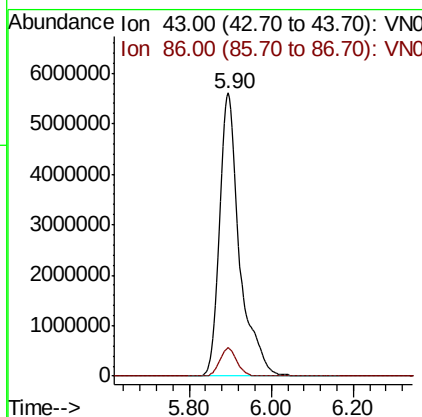
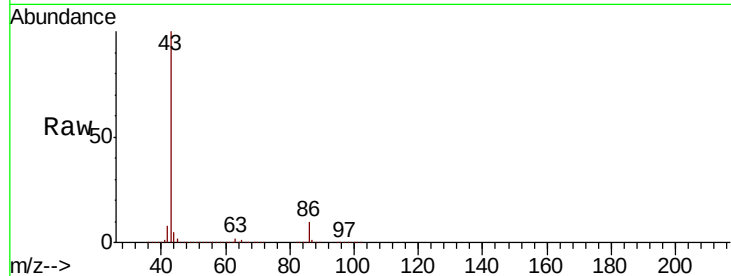
#23
 Vinyl Acetate
 Concen: 853.614 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp:19188810
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.8

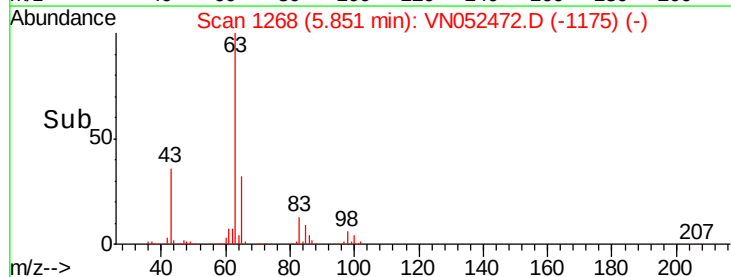
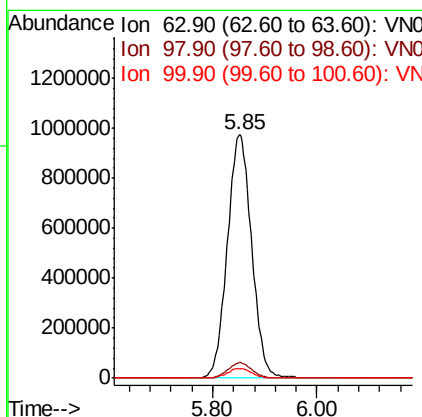
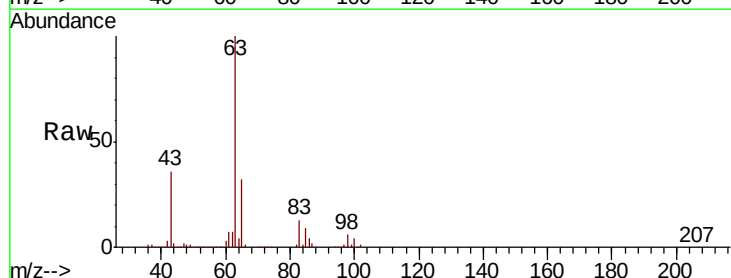
Manual Integrations
 APPROVED

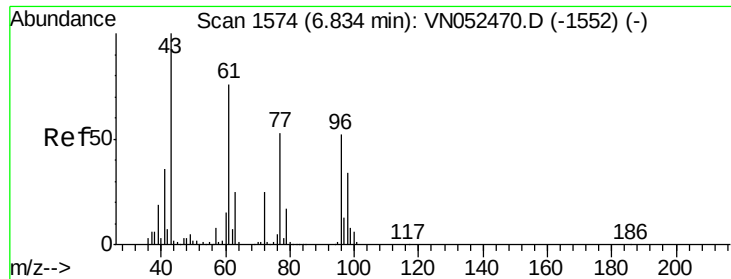
MMDadoda
 11/28/2018 9:33:42 AM



#24
 1,1-Dichloroethane
 Concen: 153.122 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 63 Resp: 3155358
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 4.1 2.0 5.8





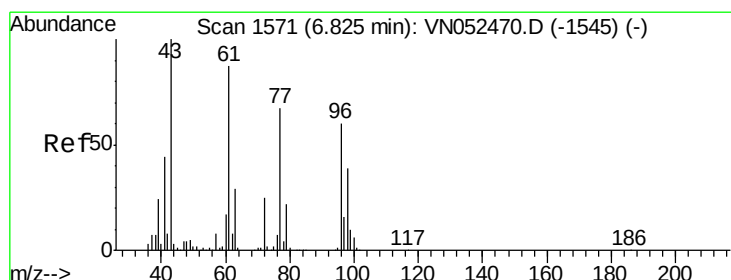
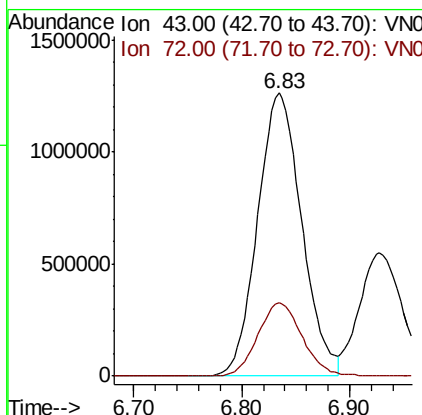
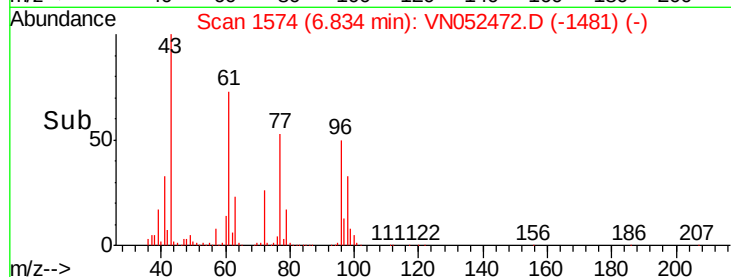
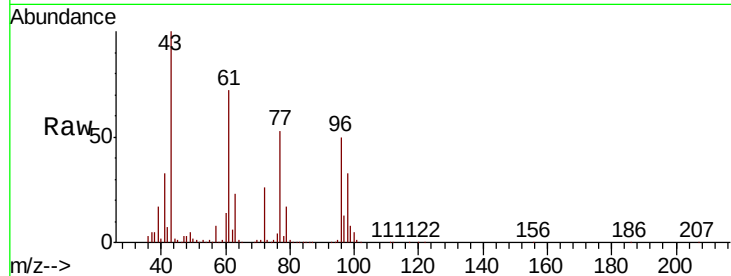
#25
2-Butanone
Concen: 825.112 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 3574454
Ion Ratio Lower Upper
43 100
72 26.0 20.1 30.1

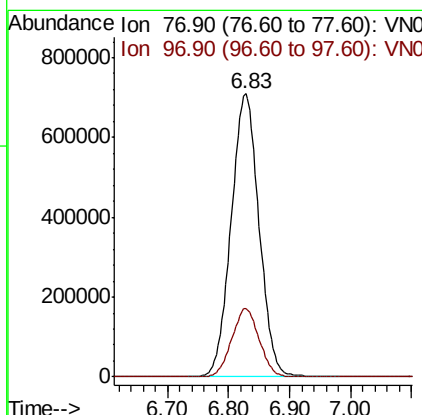
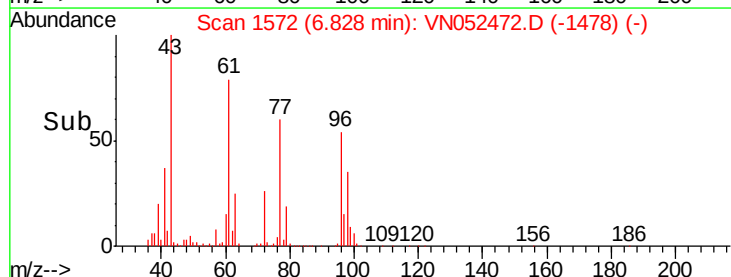
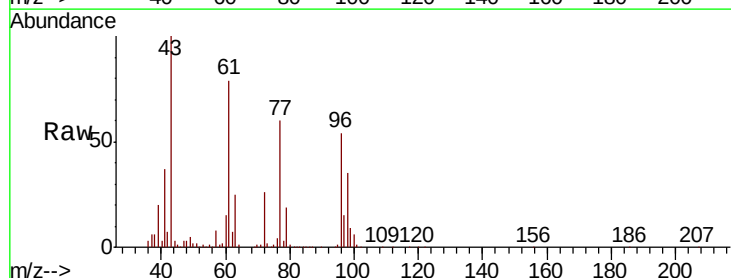
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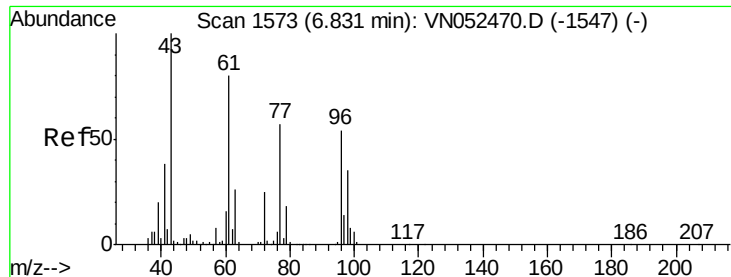
MMDadoda
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#26
2,2-Dichloropropane
Concen: 158.260 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 77 Resp: 2257308
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 151.835 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1883175

Ion Ratio Lower Upper

96 100

61 146.6 0.0 291.0

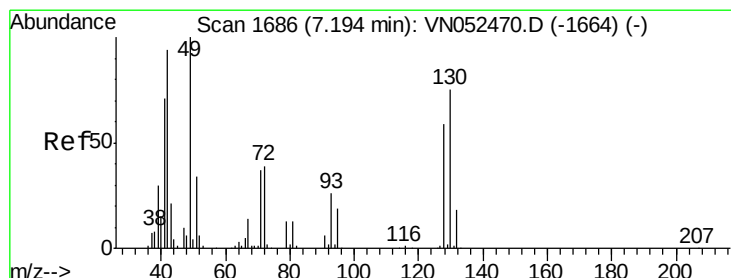
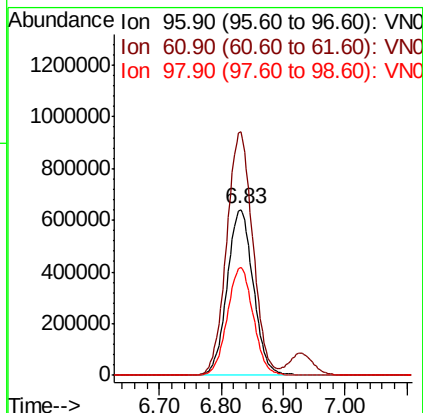
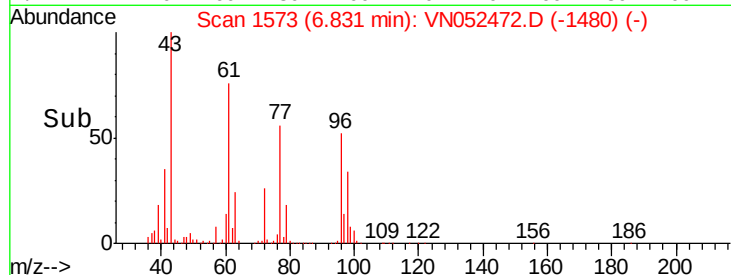
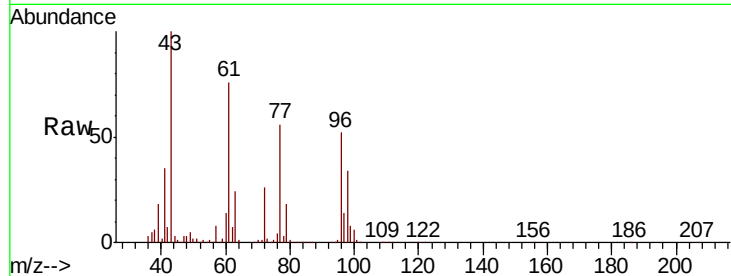
98 64.8 0.0 130.0

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#28

Bromochloromethane

Concen: 152.469 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

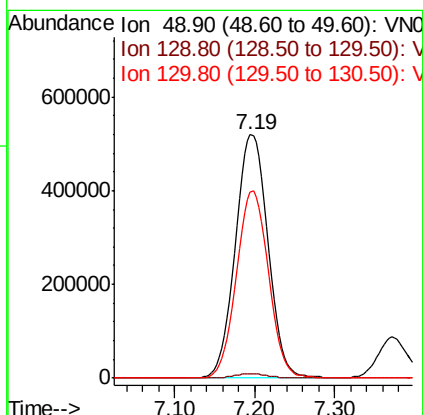
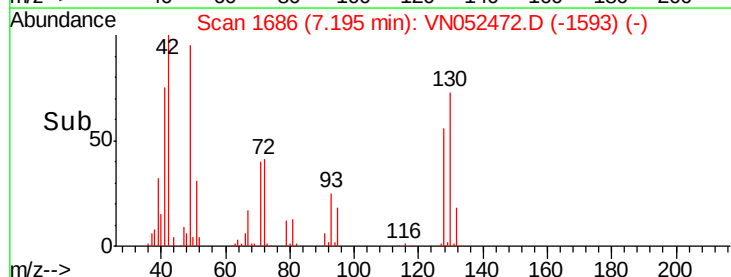
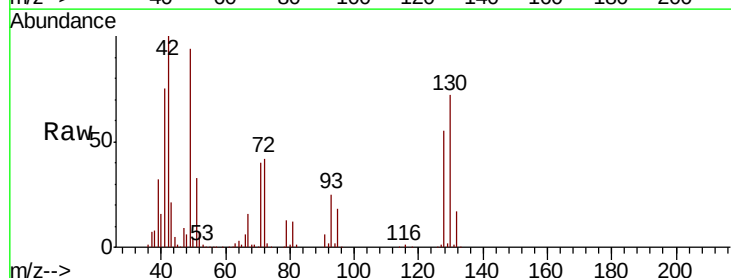
Tgt Ion: 49 Resp: 1435055

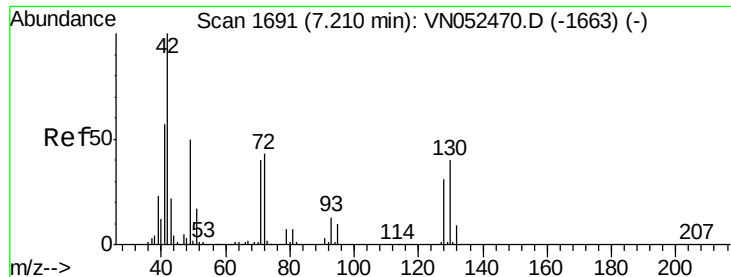
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 75.7 60.2 90.2





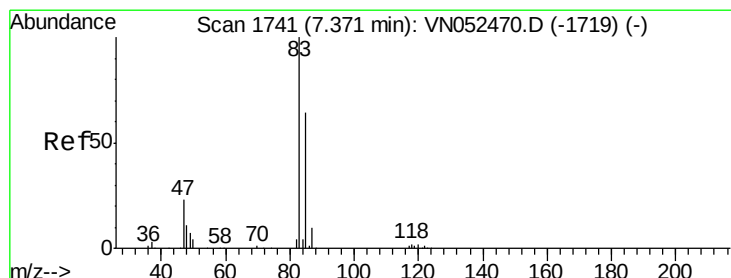
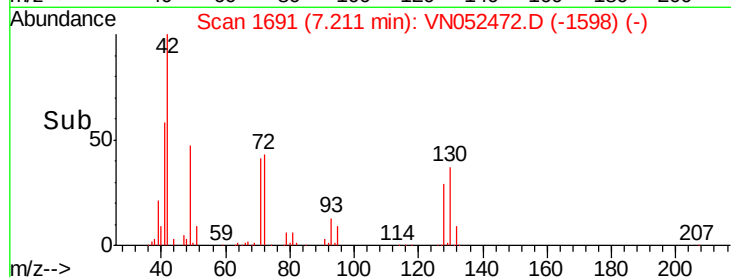
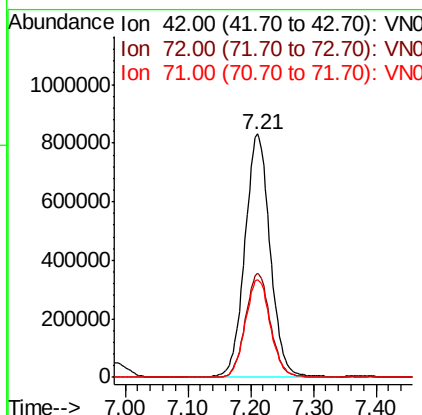
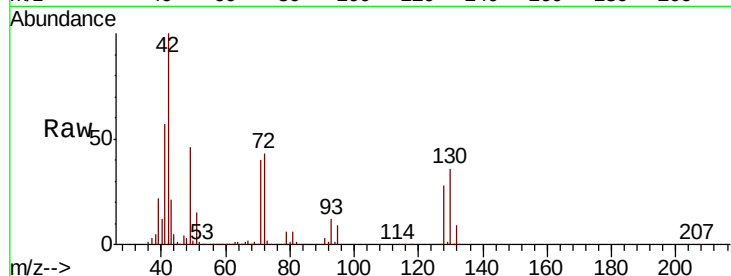
#29
Tetrahydrofuran
Concen: 831.828 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 2324272
Ion Ratio Lower Upper
42 100
72 42.1 33.3 49.9
71 40.1 32.0 48.0

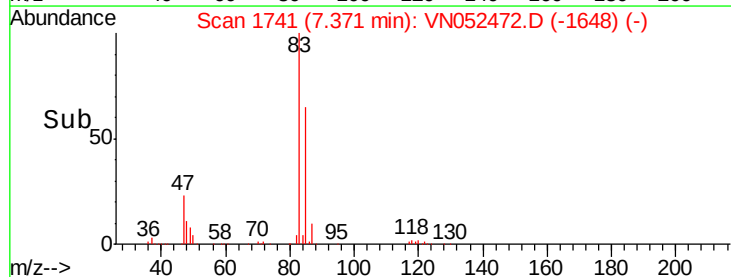
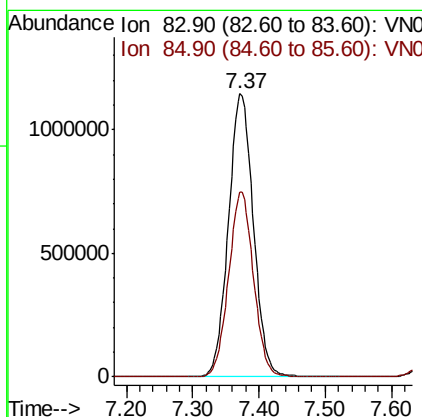
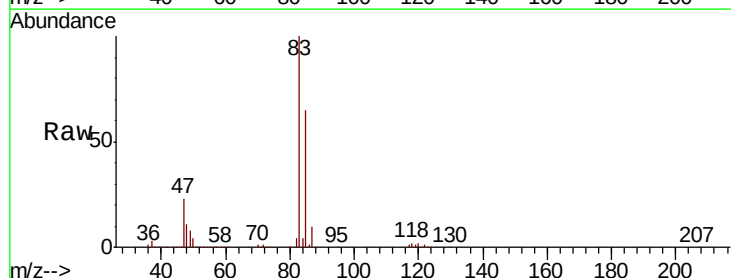
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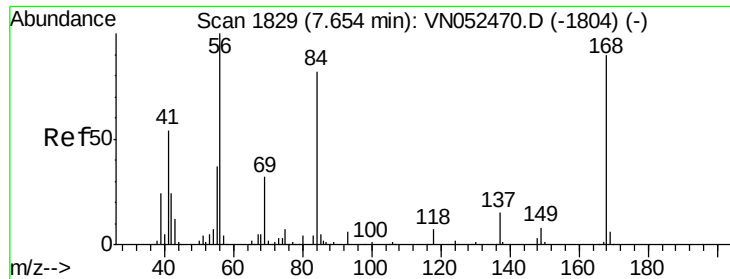
MMDadoda
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#30
Chloroform
Concen: 145.625 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 83 Resp: 2993960
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.4





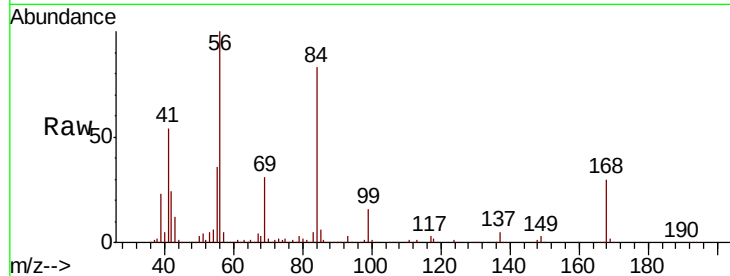
#31
Cyclohexane
Concen: 129.853 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

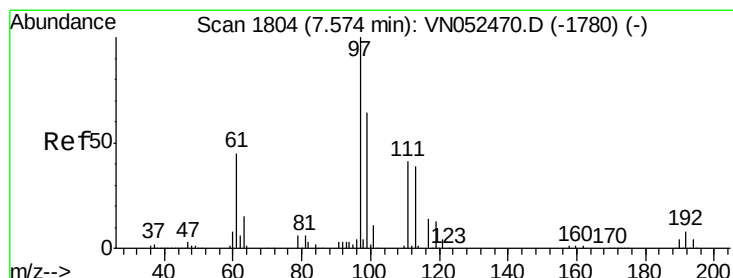
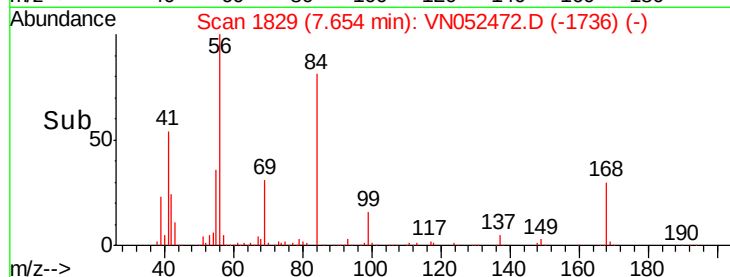
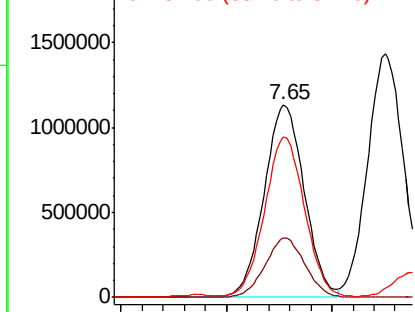
Tgt Ion: 56 Resp: 2993723
Ion Ratio Lower Upper
56 100
69 31.0 25.8 38.6
84 82.3 65.3 97.9

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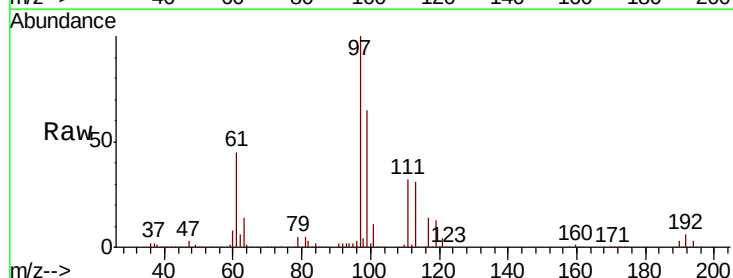


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

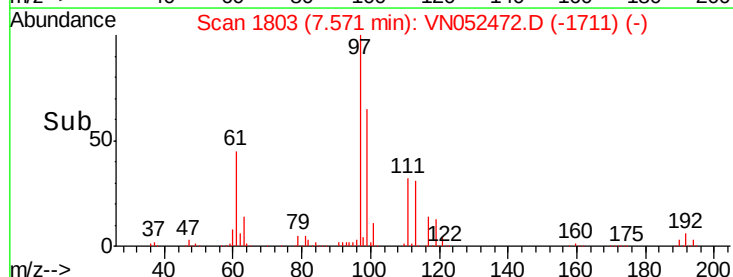
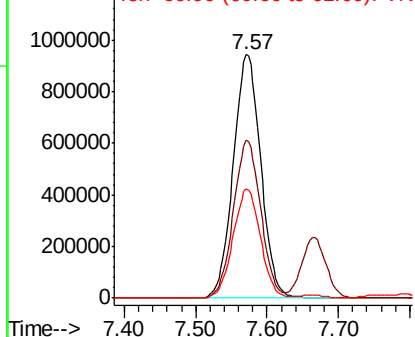


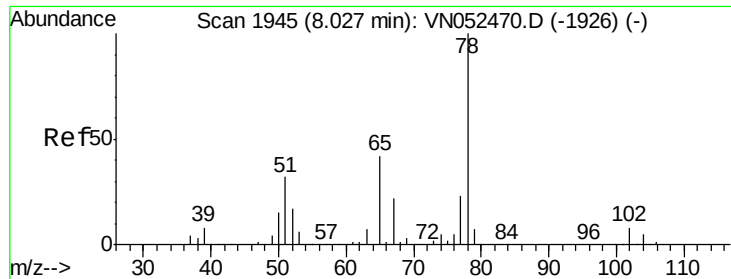
#32
1,1,1-Trichloroethane
Concen: 155.760 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 97 Resp: 2537215
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 44.7 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





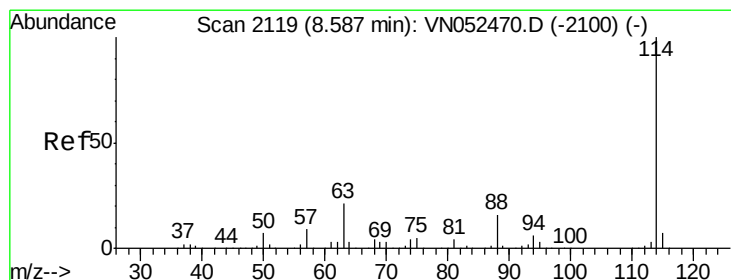
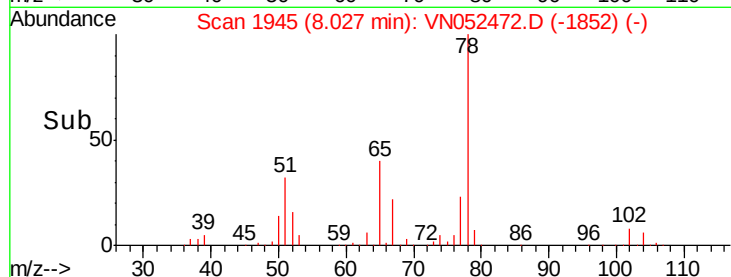
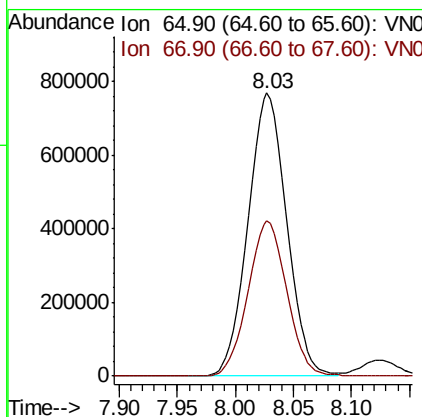
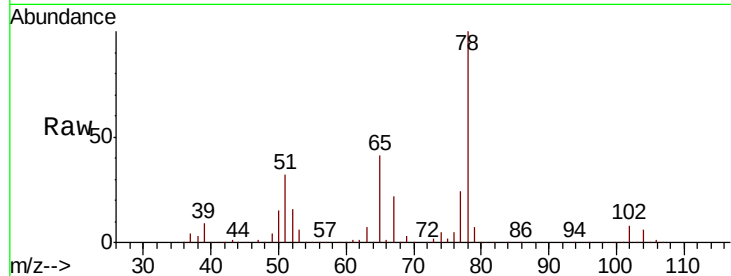
#33
 1,2-Dichloroethane-d4
 Concen: 155.760 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 1785106
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.8

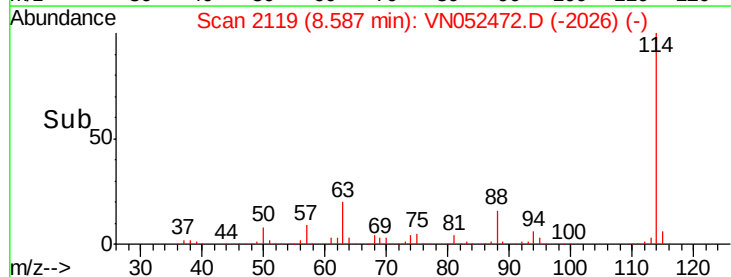
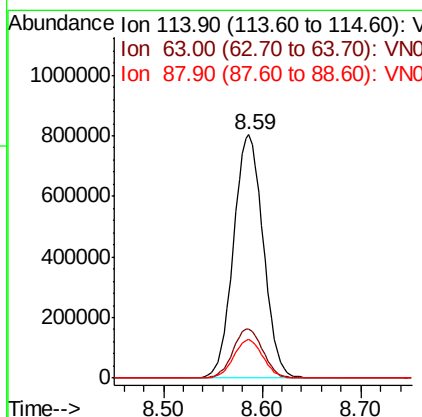
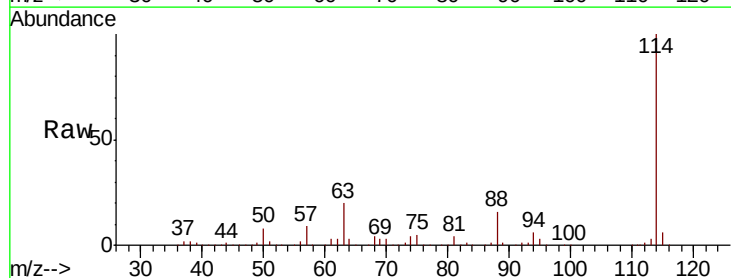
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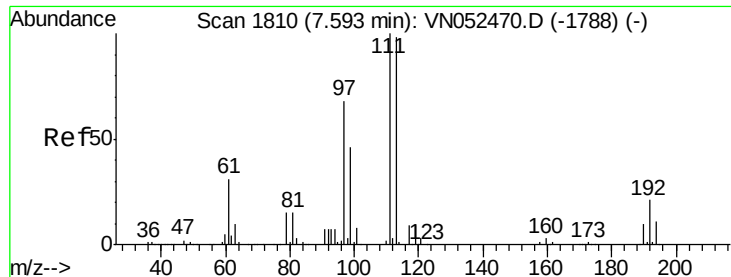
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 114 Resp: 1680042
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 113 Resp: 1580034

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

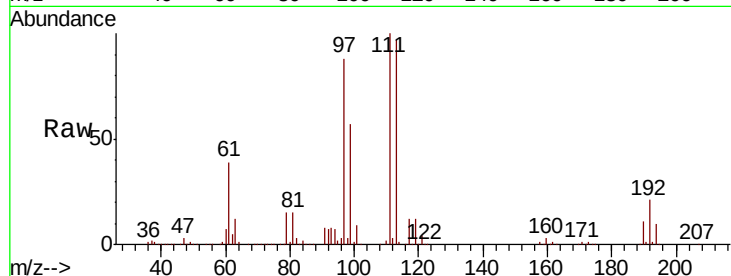
192 21.7 17.0 25.6

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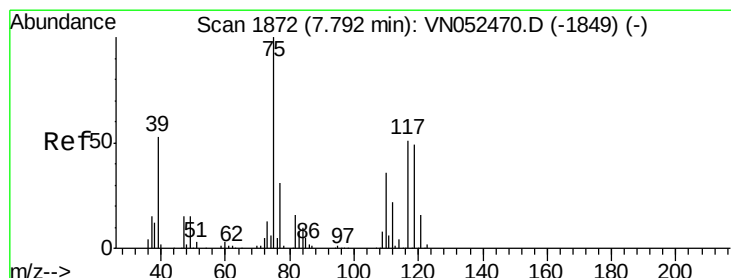
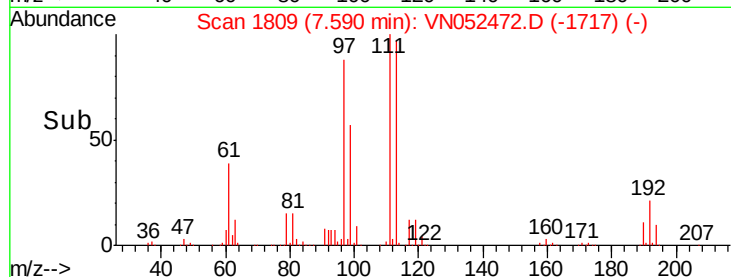
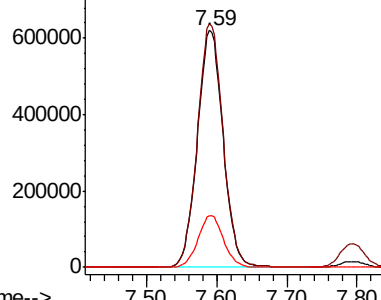


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 152.080 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

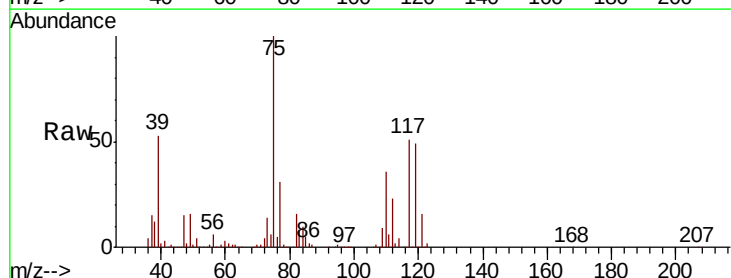
Tgt Ion: 75 Resp: 2412757

Ion Ratio Lower Upper

75 100

110 35.4 17.5 52.6

77 30.6 24.5 36.7

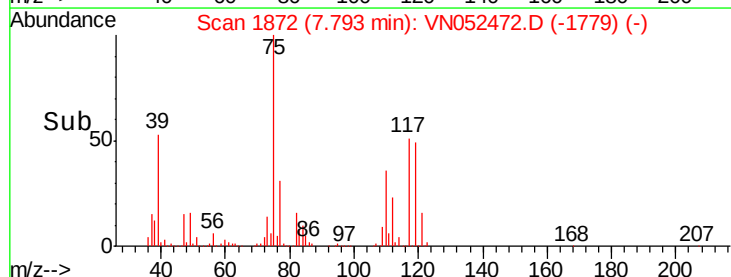
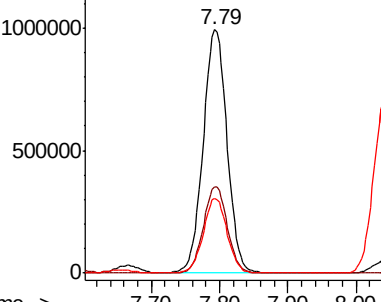


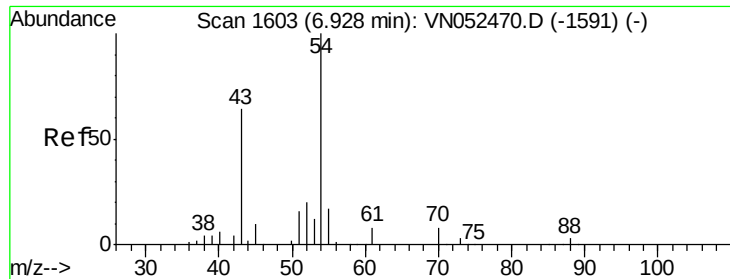
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 161.973 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1568278

Ion Ratio Lower Upper

43 100

61 14.9 11.8 17.8

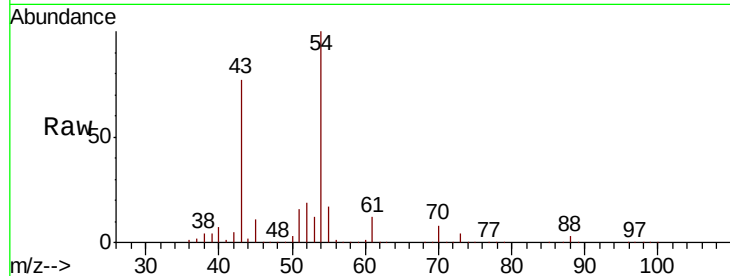
70 10.1 7.8 11.8

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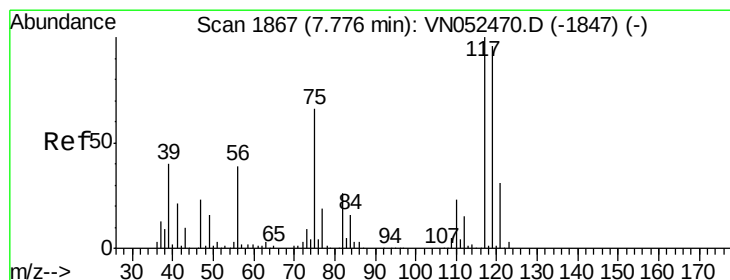
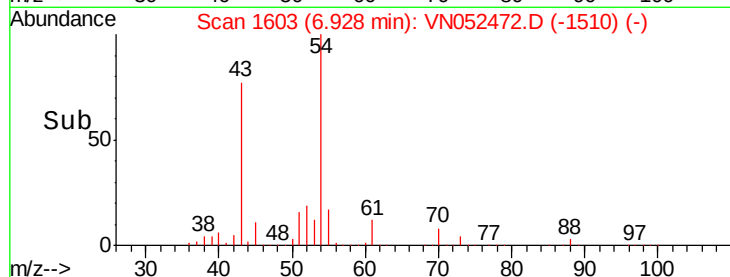
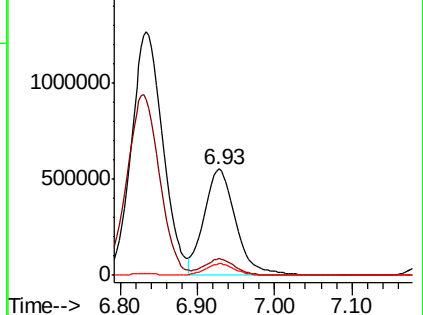
11/28/2018 9:33:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052472.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN052472.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN052472.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 154.759 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

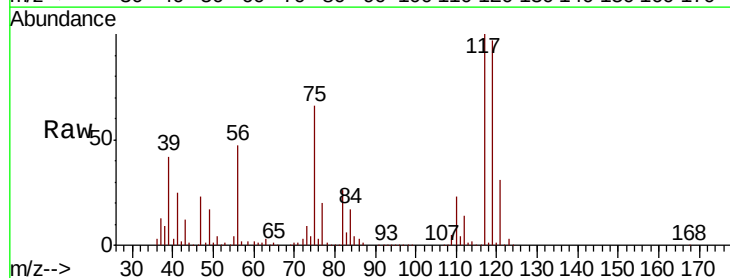
Tgt Ion: 117 Resp: 2222670

Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2

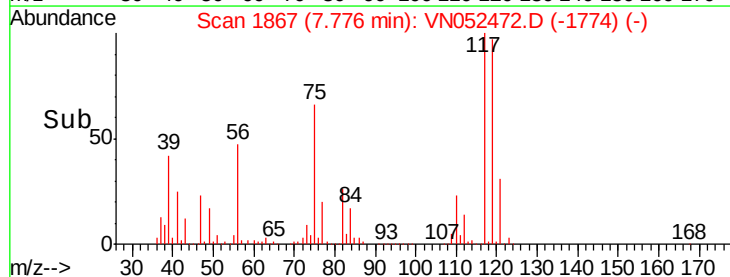
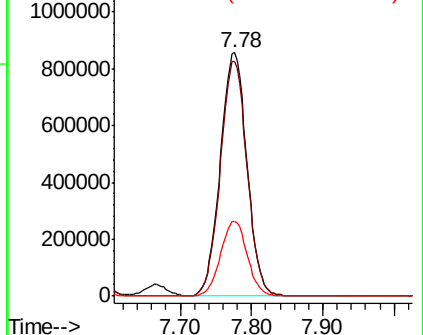
121 30.9 24.9 37.3

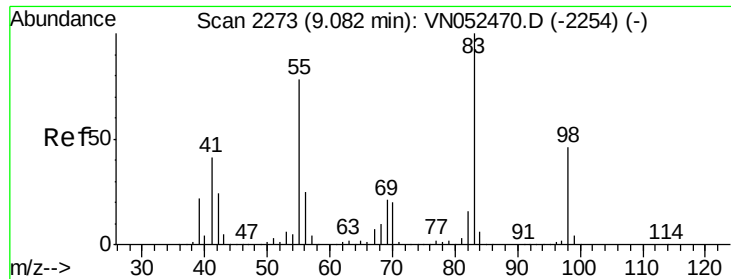


Abundance Ion 116.80 (116.50 to 117.50): VN052472.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052472.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052472.D (-1774) (-)





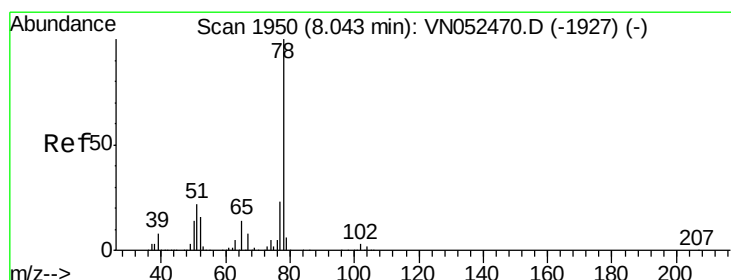
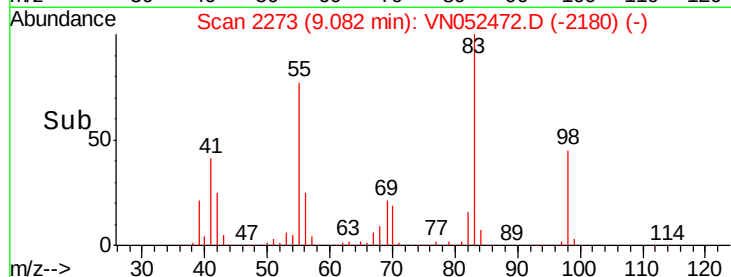
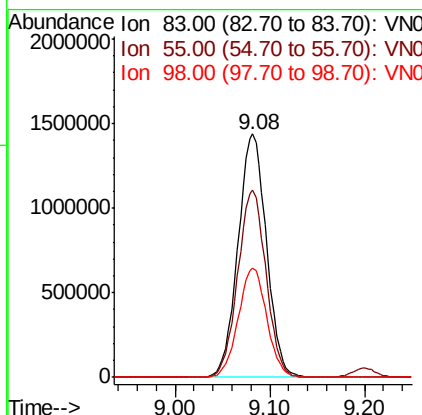
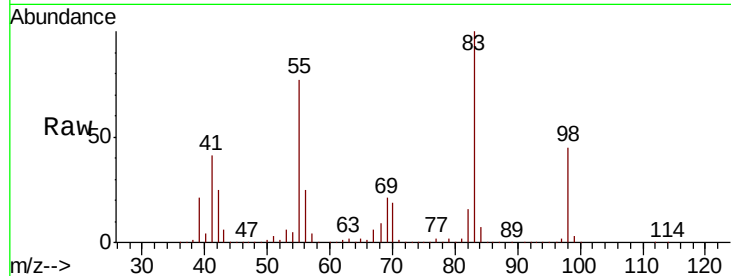
#39
Methylcyclohexane
Concen: 155.469 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2997963
Ion Ratio Lower Upper
83 100
55 77.1 62.2 93.2
98 45.0 36.4 54.6

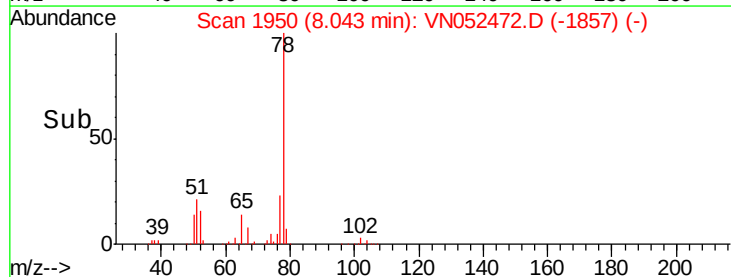
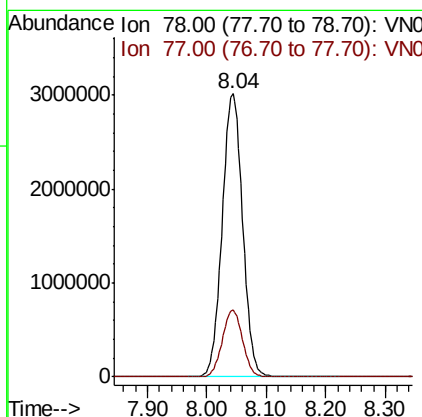
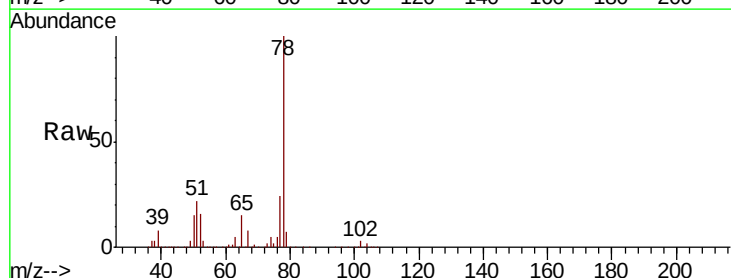
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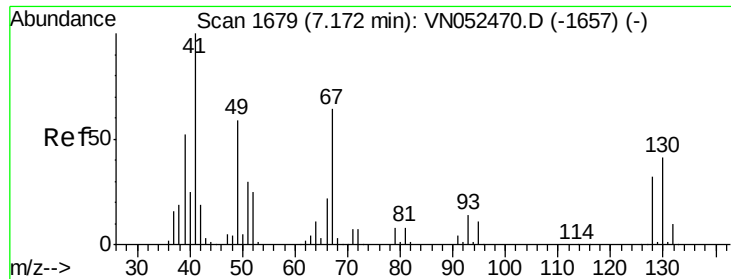
MMDadoda
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#40
Benzene
Concen: 151.326 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 78 Resp: 7154852
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





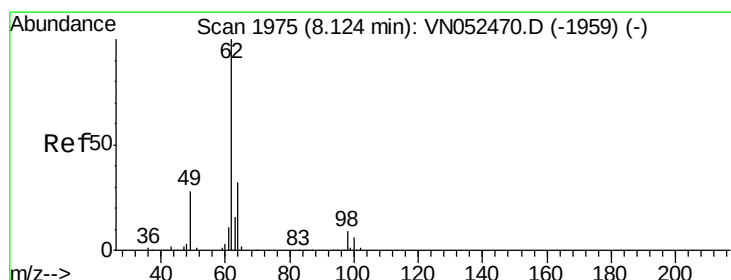
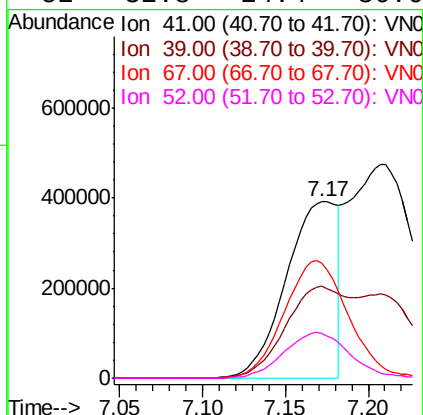
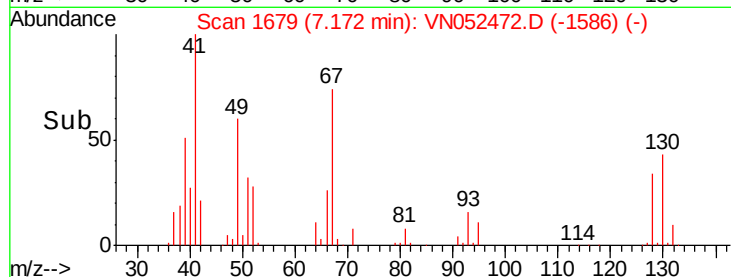
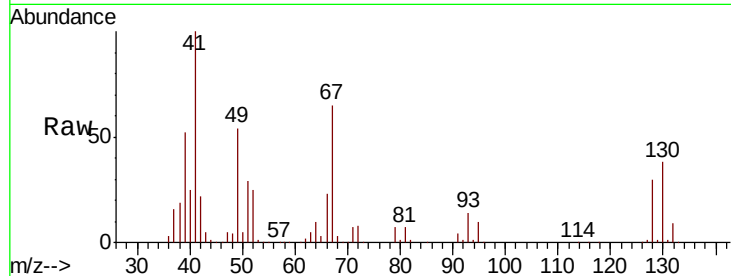
#41
Methacrylonitrile
Concen: 159.734 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	50.9	76.3
67	83.8	63.6	95.4
52	32.8	24.4	36.6

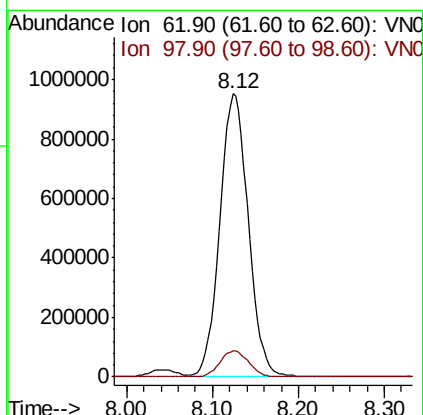
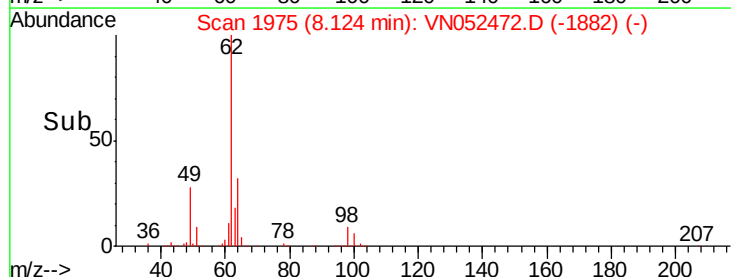
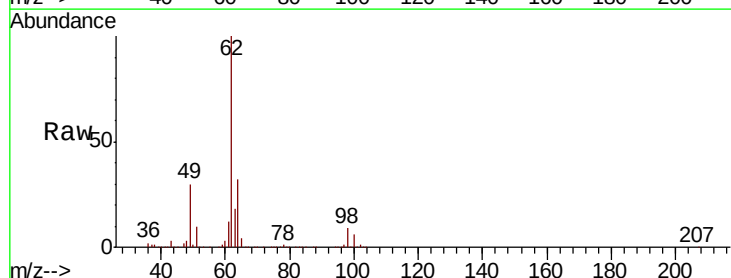
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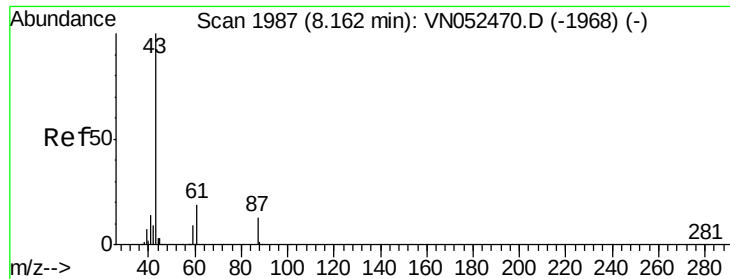
MMDadoda
11/28/2018 9:33:42 AM



#42
1,2-Dichloroethane
Concen: 152.660 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





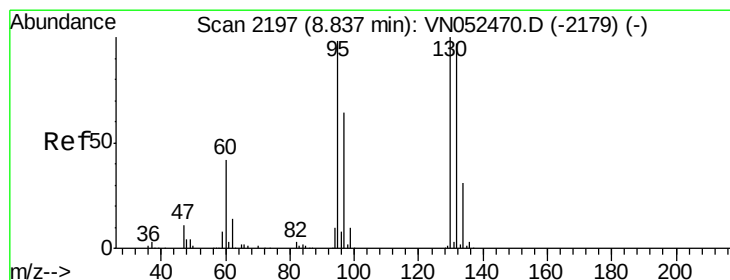
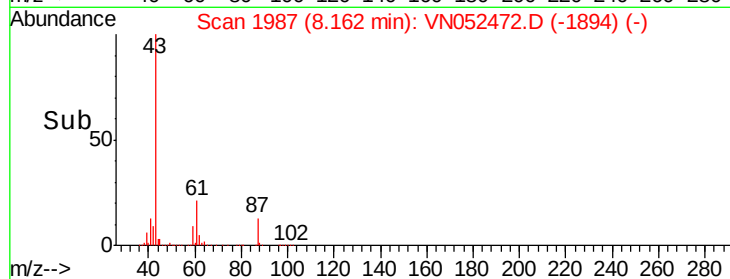
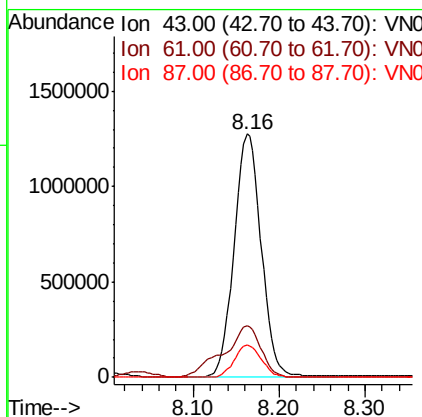
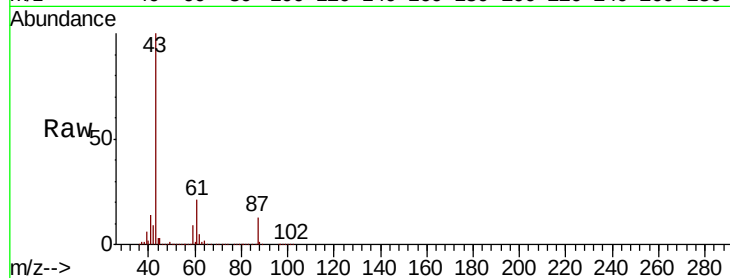
#43
Isopropyl Acetate
Concen: 170.810 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2798799
Ion Ratio Lower Upper
43 100
61 29.2 24.1 36.1
87 13.1 10.6 15.8

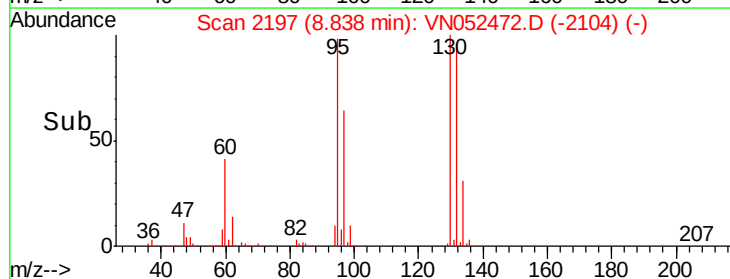
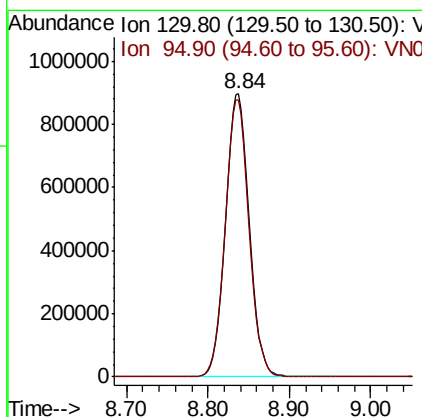
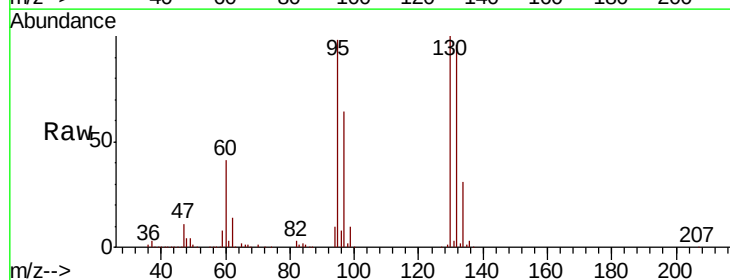
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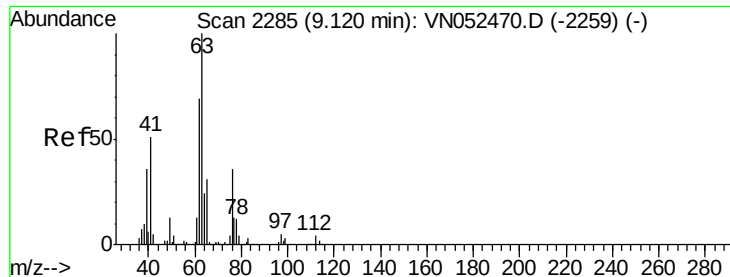
MMDadoda
11/28/2018 9:33:42 AM



#44
Trichloroethene
Concen: 152.193 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 130 Resp: 1843207
Ion Ratio Lower Upper
130 100
95 97.9 0.0 195.6





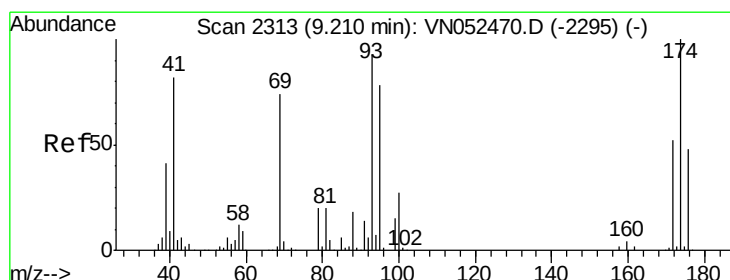
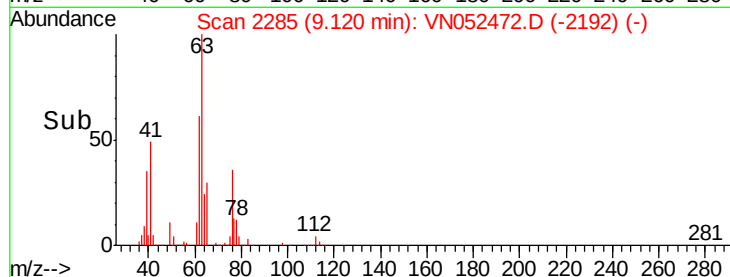
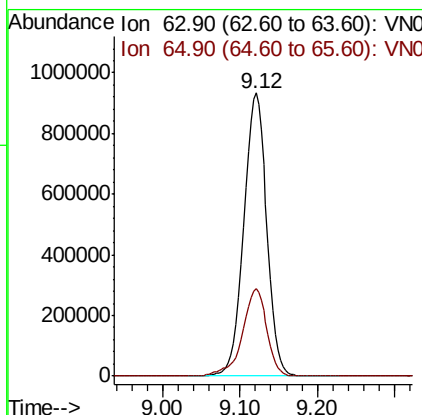
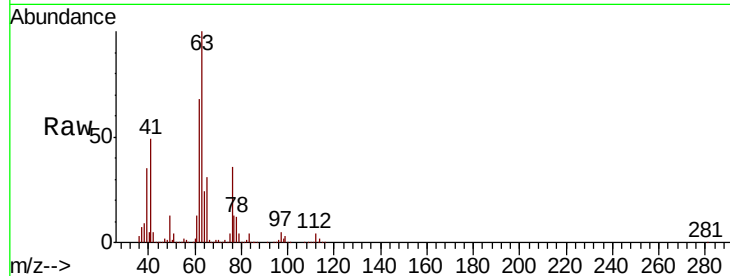
#45
 1,2-Dichloropropane
 Concen: 152.980 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1923000
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

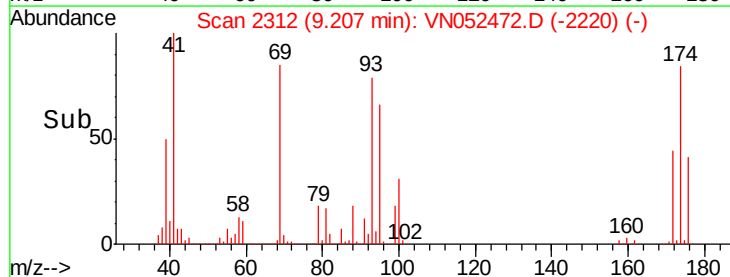
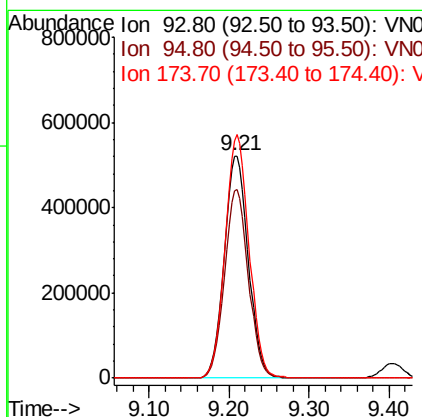
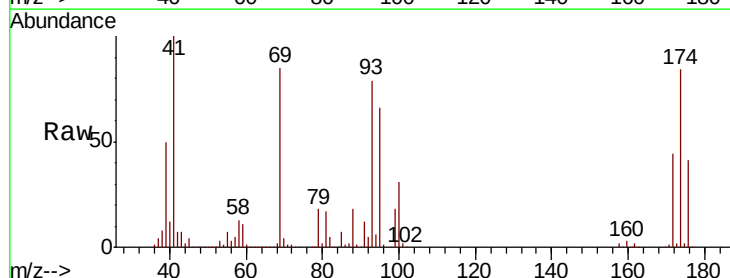
Manual Integrations
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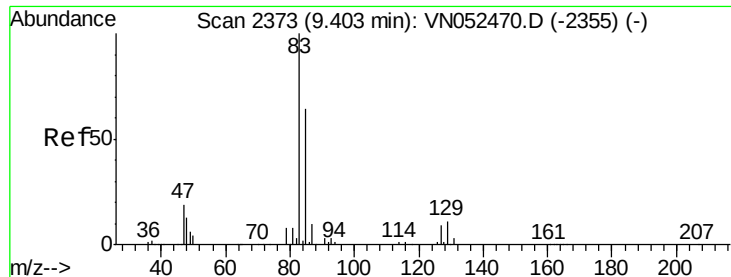
MMDadoda
 11/28/2018 9:33:42 AM



#46
 Dibromomethane
 Concen: 154.666 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 93 Resp: 1076277
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 108.6 85.8 128.8





#47

Bromodichloromethane

Concen: 155.505 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 2352700

Ion Ratio Lower Upper

83 100

85 64.3 51.3 76.9

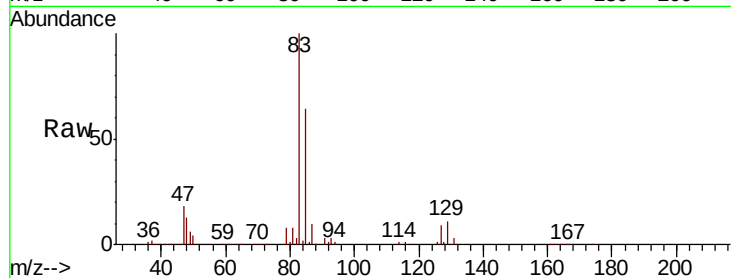
127 8.5 6.9 10.3

Manual Integrations

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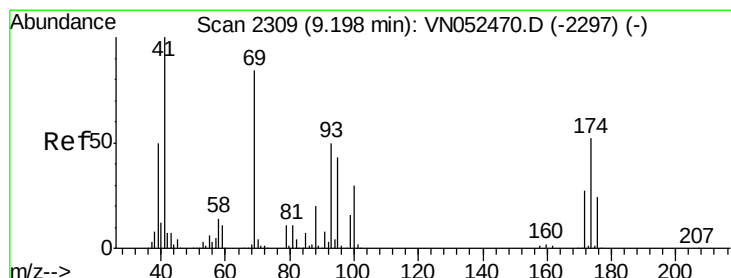
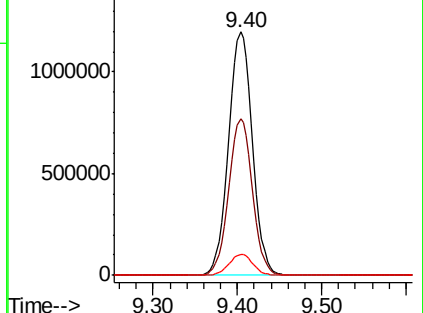
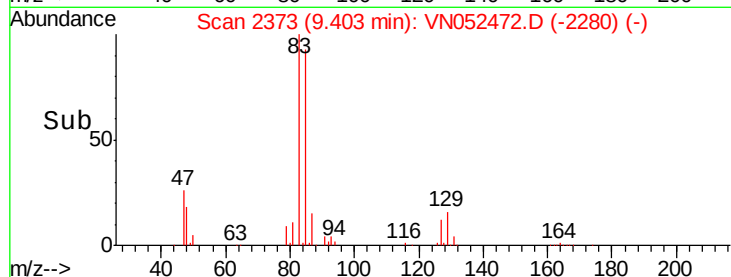
11/28/2018 9:33:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052472.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052472.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052472.D (-2280) (-)



#48

Methyl methacrylate

Concen: 171.241 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

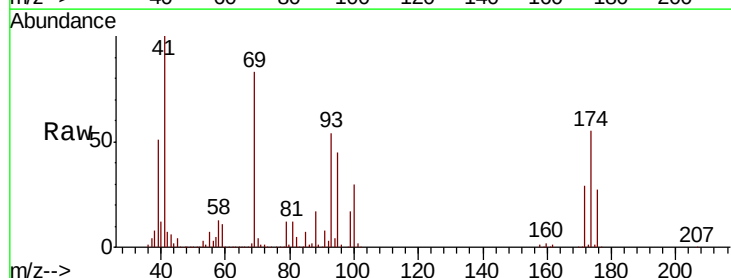
Tgt Ion: 41 Resp: 1463063

Ion Ratio Lower Upper

41 100

69 87.0 70.0 105.0

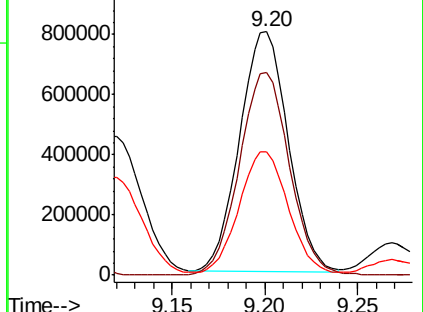
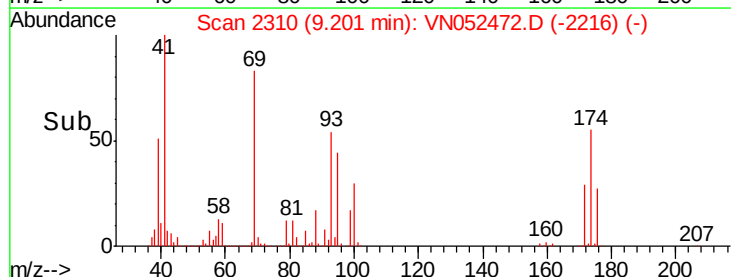
39 50.4 42.6 64.0

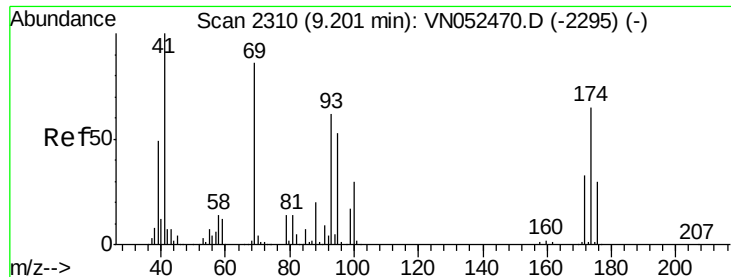


Abundance Ion 41.00 (40.70 to 41.70): VN052472.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052472.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052472.D (-2216) (-)





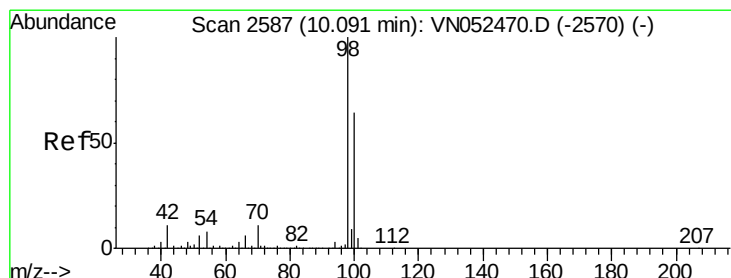
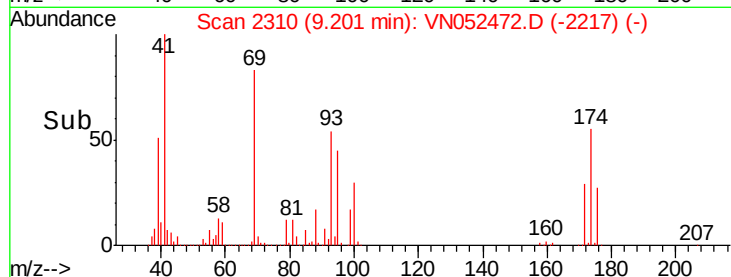
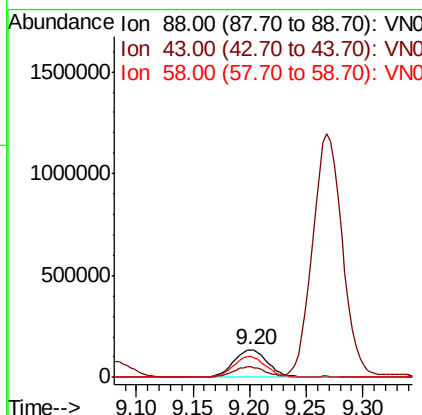
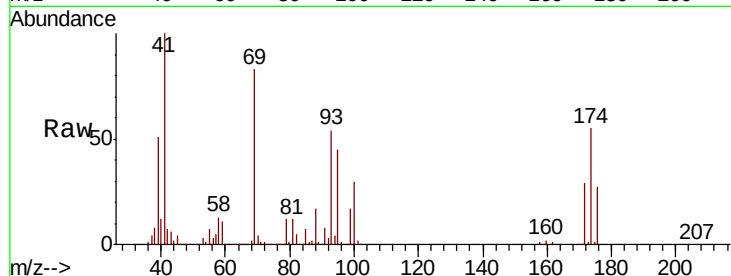
#49
1,4-Dioxane
Concen: 3213.886 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	284977		
43	35.3	26.4	39.6	
58	72.6	55.4	83.0	

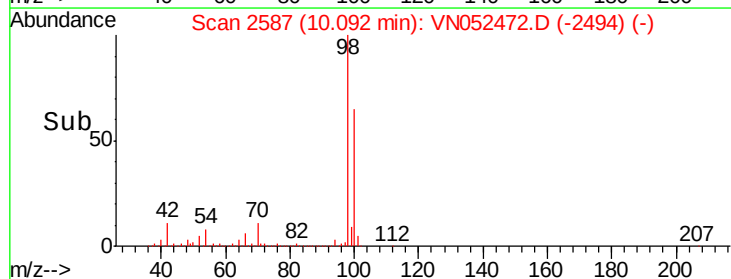
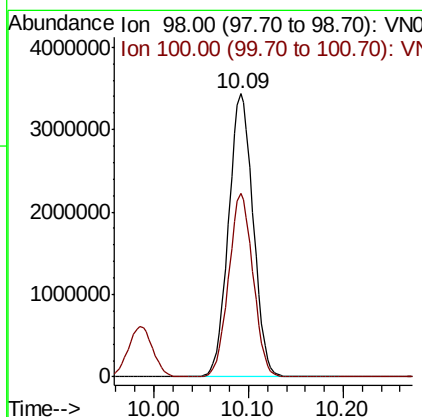
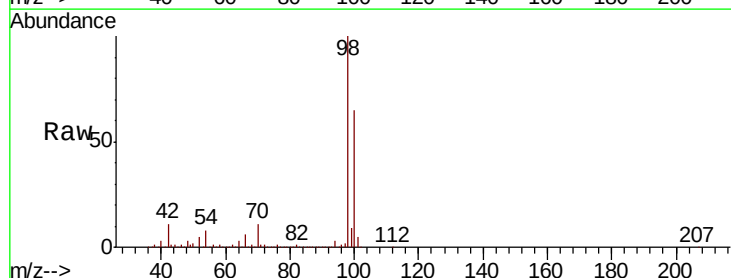
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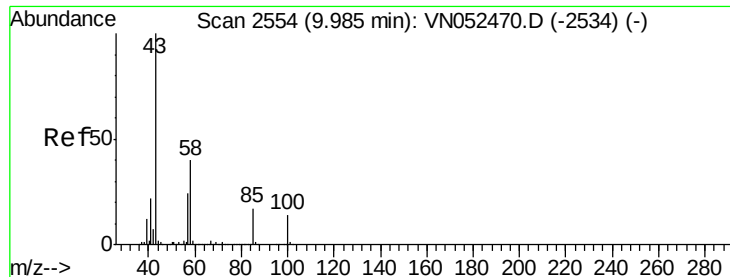
MMDadoda
11/28/2018 9:33:42 AM



#50
Toluene-d8
Concen: 3213.886 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	6188599		
100	64.2	51.3	76.9	





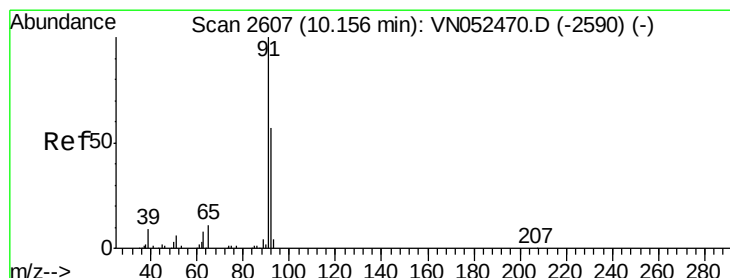
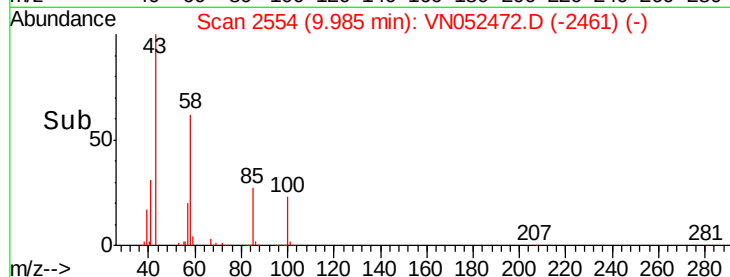
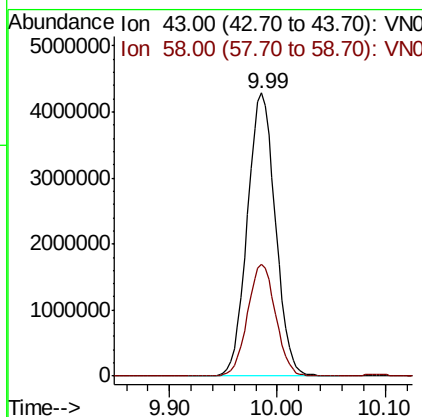
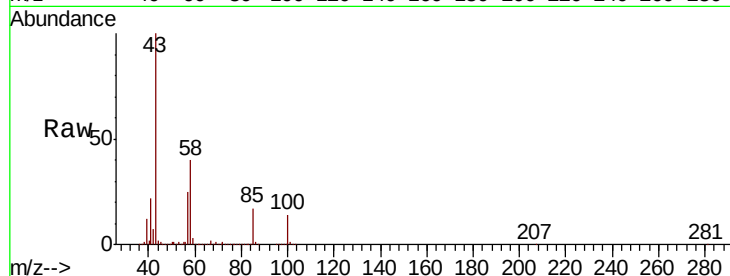
#51
 4-Methyl-2-Pentanone
 Concen: 841.555 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 7736747
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3

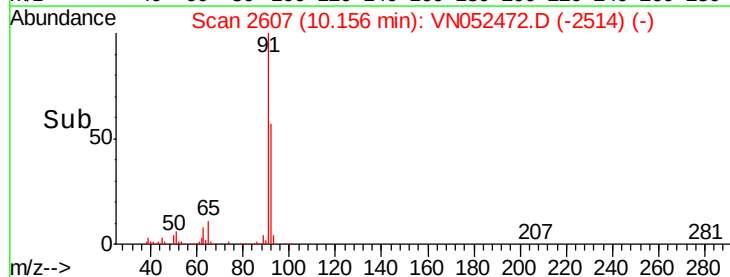
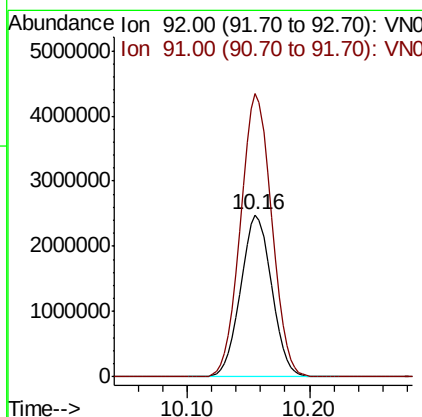
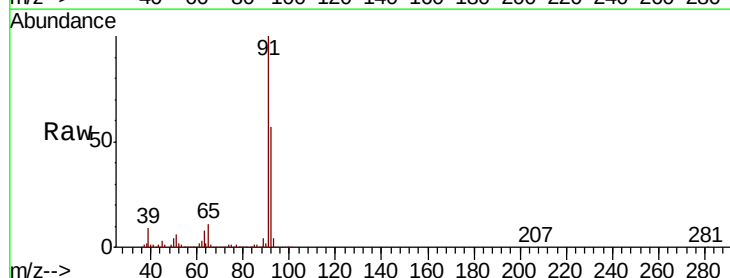
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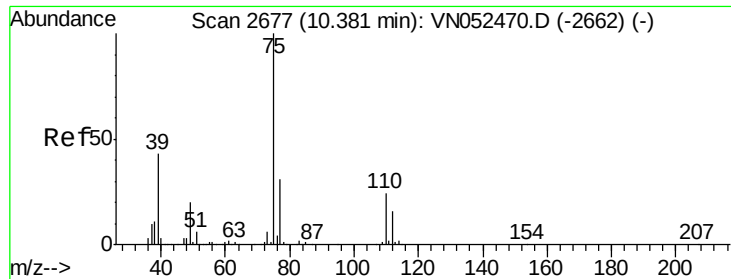
MMDadoda
 11/28/2018 9:33:42 AM



#52
 Toluene
 Concen: 154.594 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 92 Resp: 4342802
 Ion Ratio Lower Upper
 92 100
 91 175.8 141.0 211.4





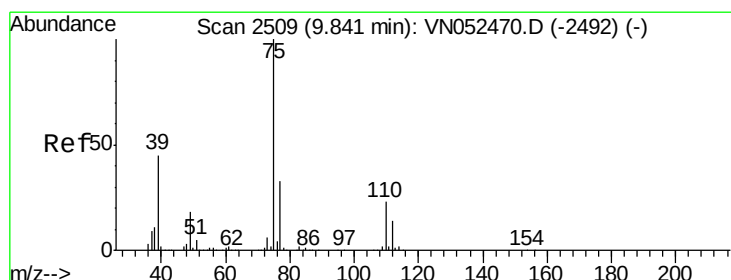
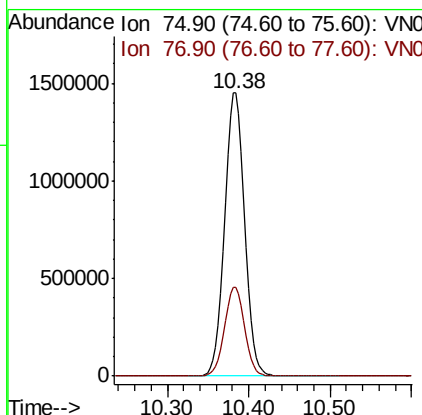
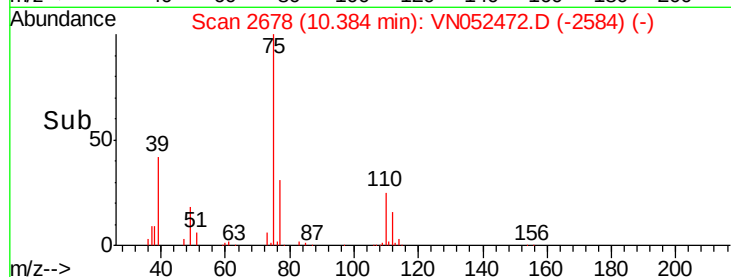
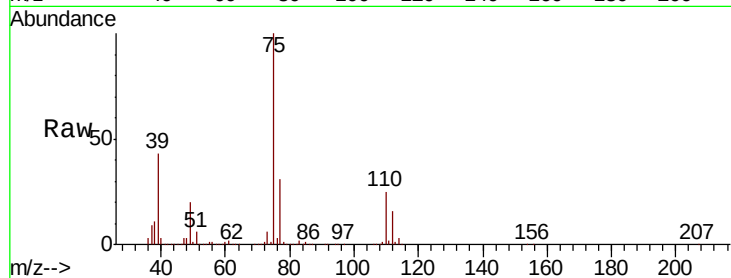
#53
 t-1,3-Dichloropropene
 Concen: 173.324 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 75 Resp: 2522714
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.4

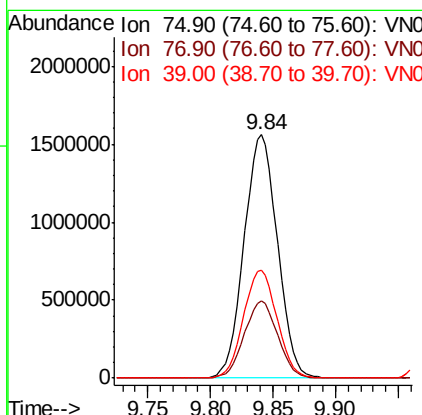
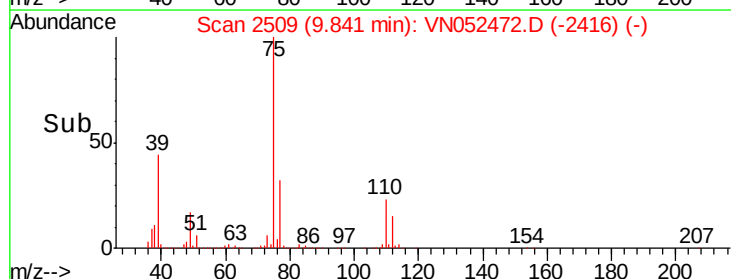
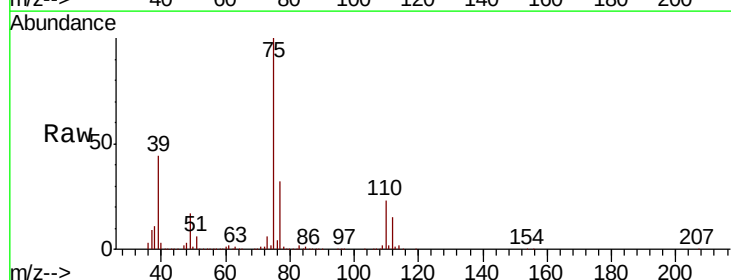
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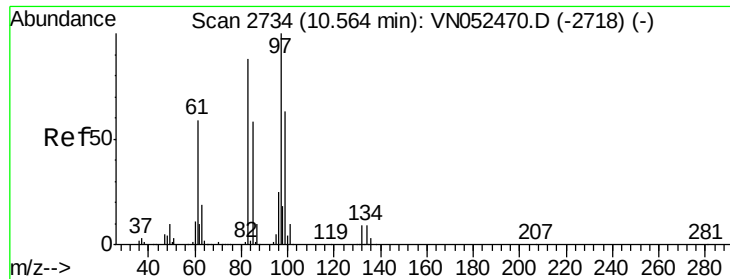
MMDadoda
 11/28/2018 9:33:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 165.771 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 75 Resp: 2891397
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.2
 39 44.2 36.0 54.0





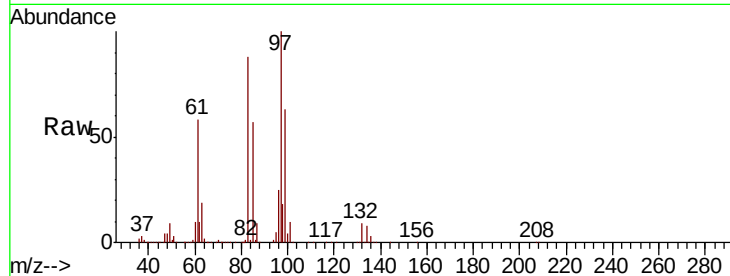
#55
 1,1,2-Trichloroethane
 Concen: 156.733 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

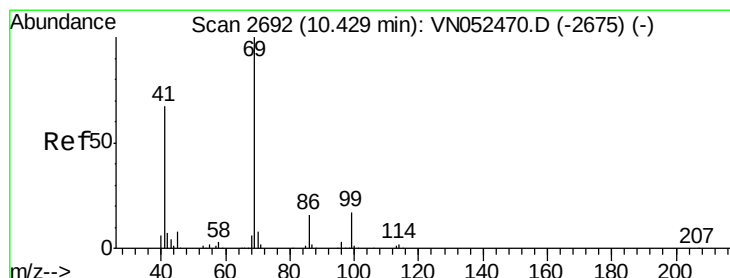
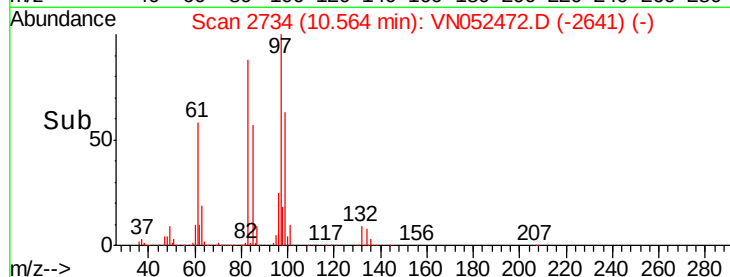
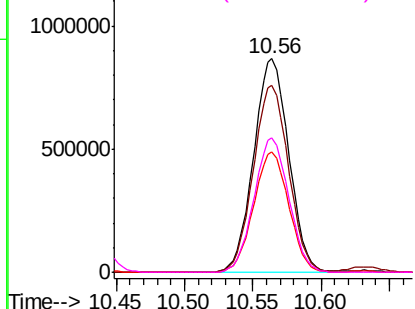
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	56.6	46.1	69.1
99	62.8	50.8	76.2

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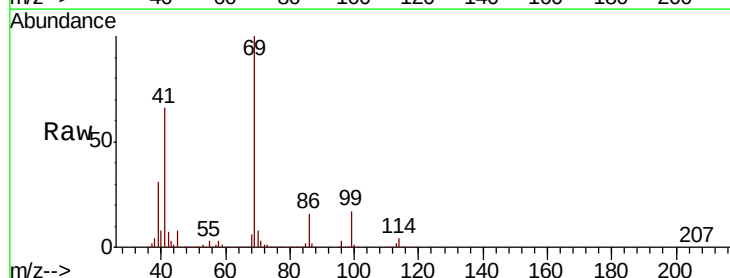


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

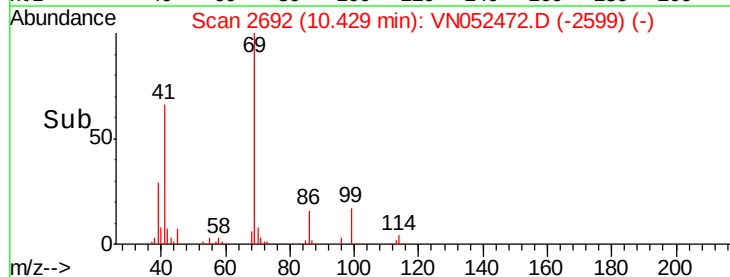
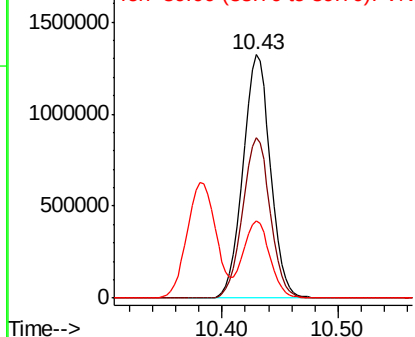


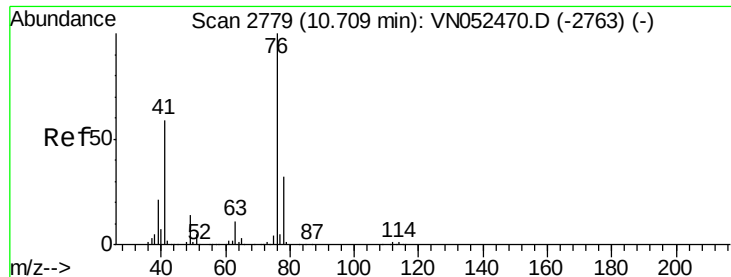
#56
 Ethyl methacrylate
 Concen: 178.707 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.6	79.0
39	31.5	25.9	38.9



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





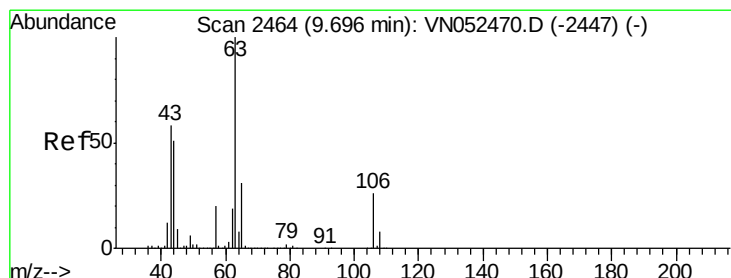
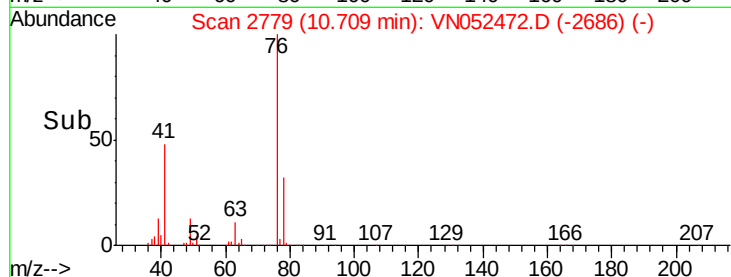
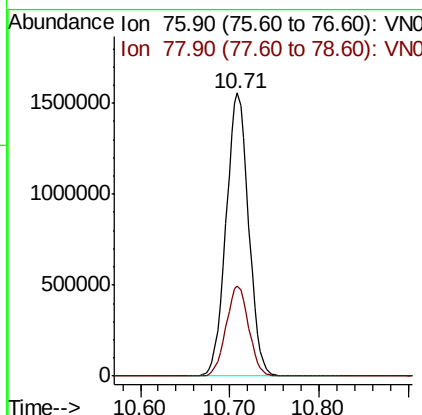
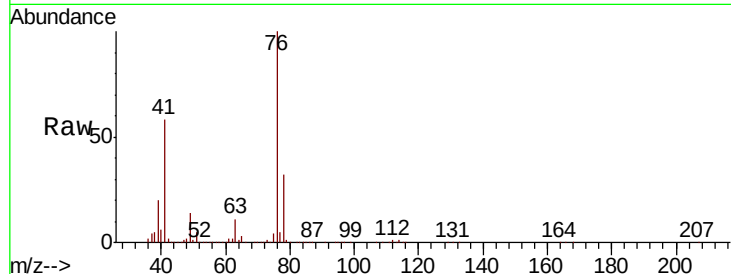
#57
 1,3-Dichloropropane
 Concen: 155.420 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 2711720
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

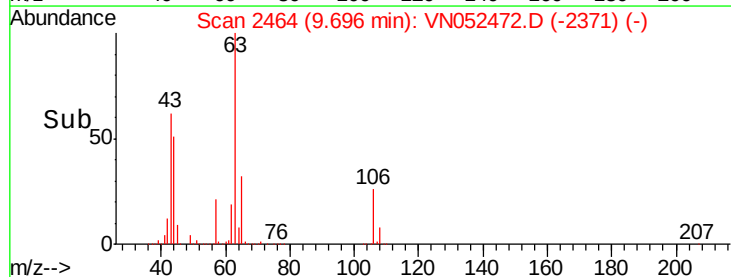
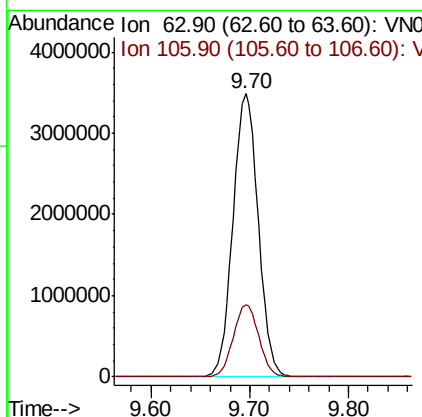
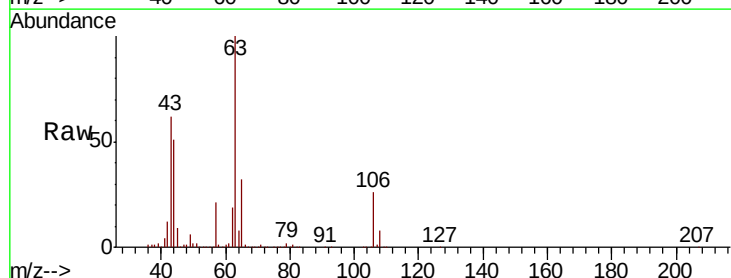
Manual Integrations
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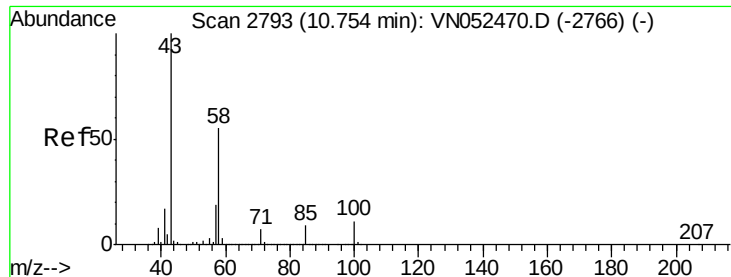
MMDadoda
 11/28/2018 9:33:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 859.904 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 63 Resp: 6165659
 Ion Ratio Lower Upper
 63 100
 106 25.7 20.6 30.8





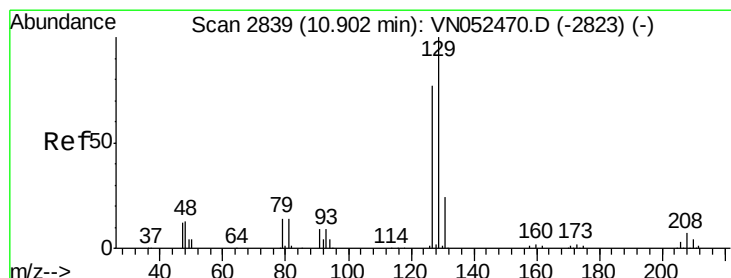
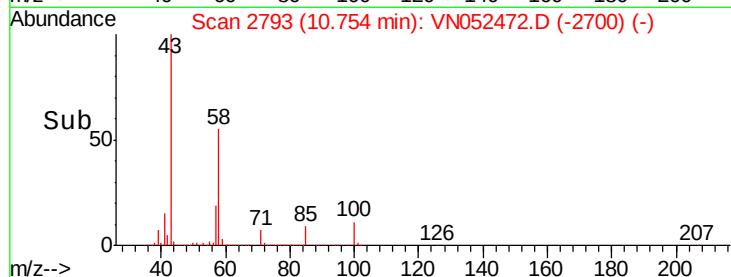
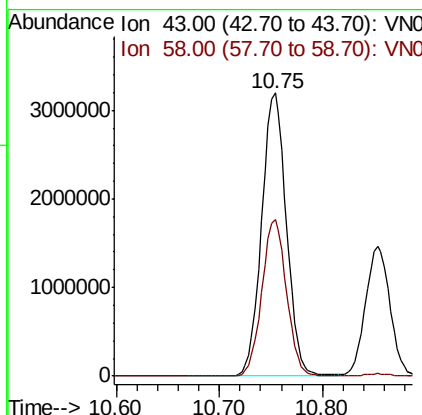
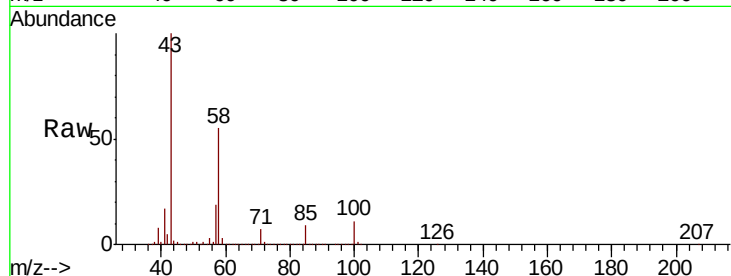
#59
2-Hexanone
Concen: 859.724 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 5304643
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.0

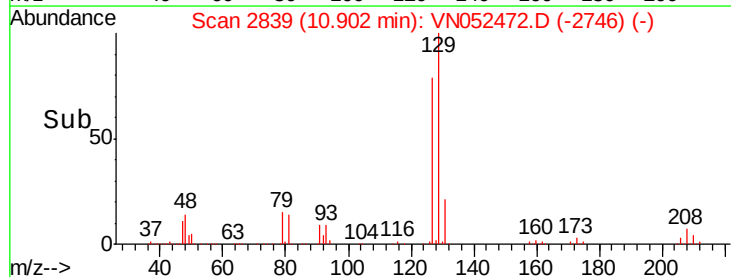
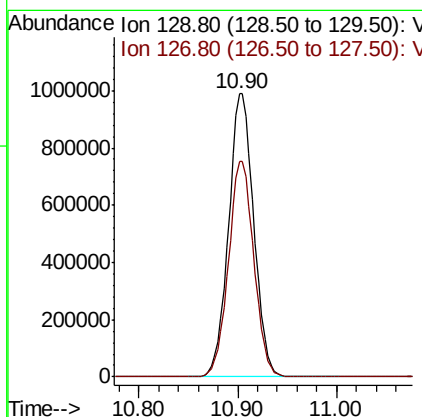
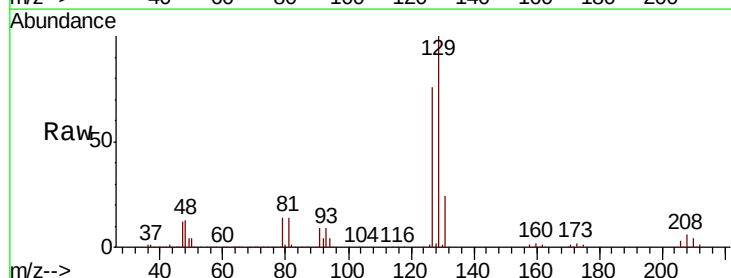
Manual Integrations
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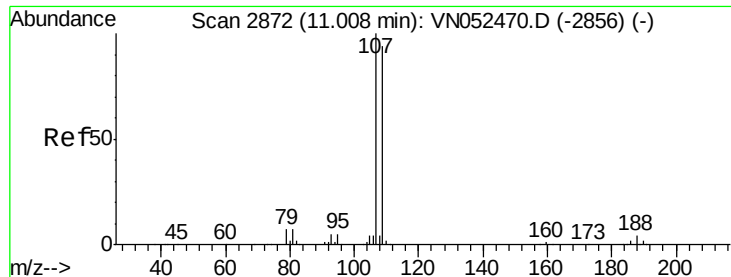
MMDadoda
11/28/2018 9:33:42 AM



#60
Dibromochloromethane
Concen: 164.252 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 129 Resp: 1762779
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





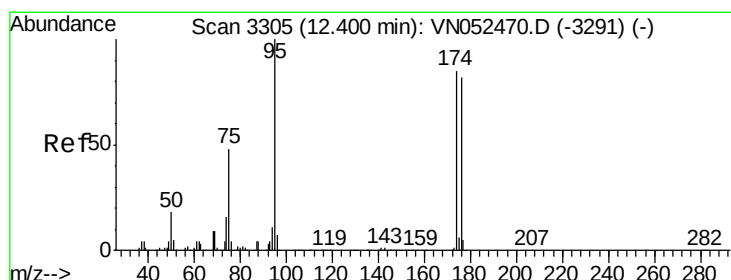
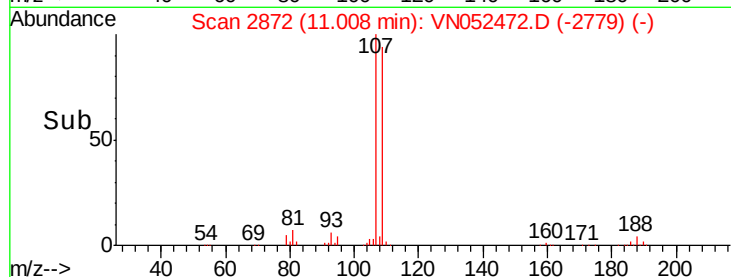
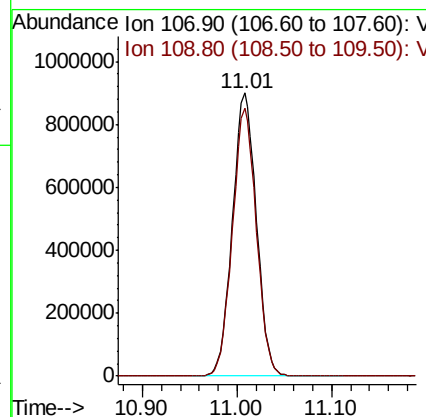
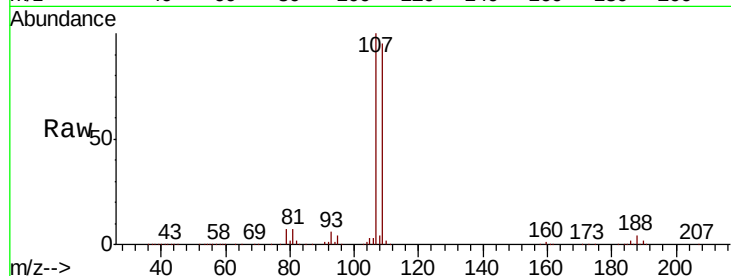
#61
1,2-Dibromoethane
Concen: 161.429 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 107 Resp: 1584310
Ion Ratio Lower Upper
107 100
109 94.5 75.6 113.4

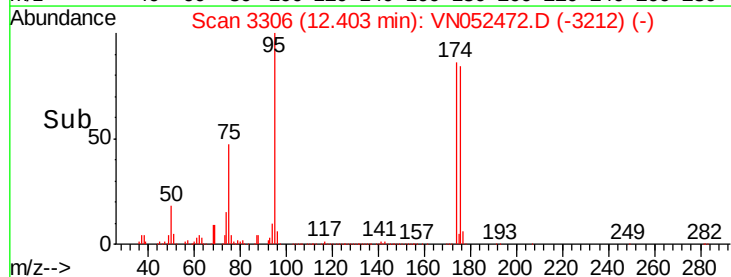
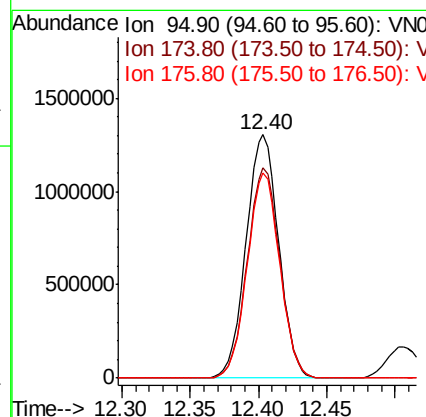
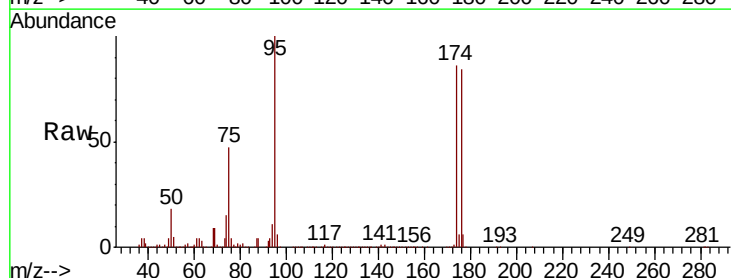
Manual Integrations
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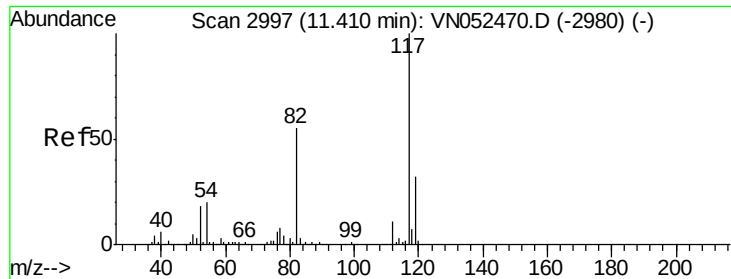
MMDadoda
11/28/2018 9:33:42 AM



#62
4-Bromofluorobenzene
Concen: 161.429 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 95 Resp: 2161278
Ion Ratio Lower Upper
95 100
174 86.4 0.0 173.0
176 84.0 0.0 166.2





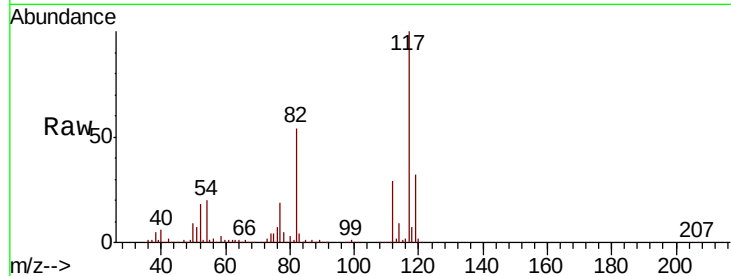
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

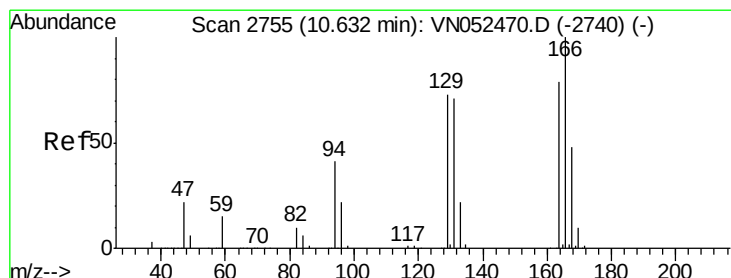
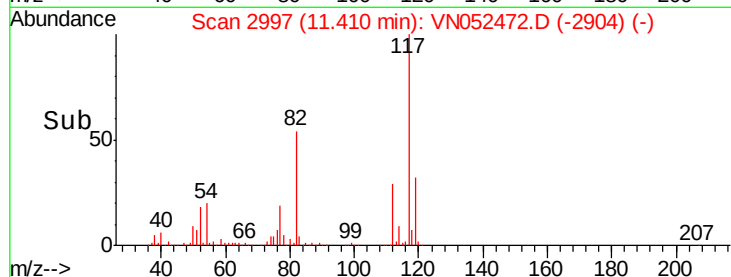
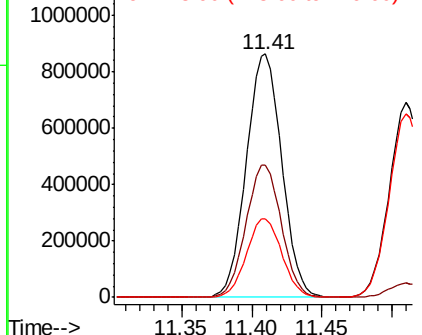
Tgt Ion:117 Resp: 1522805
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 32.3 25.4 38.2

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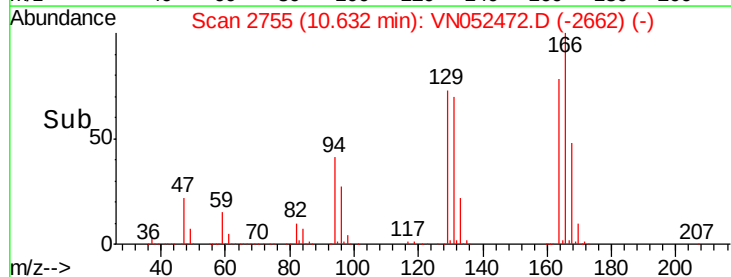
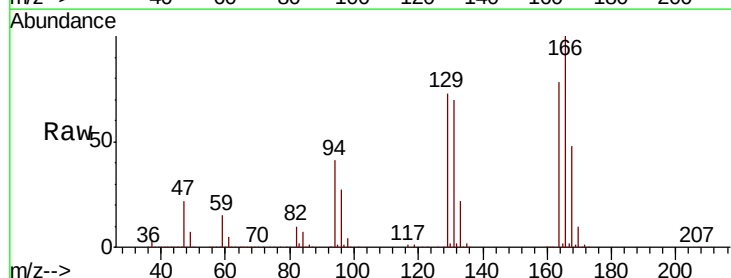
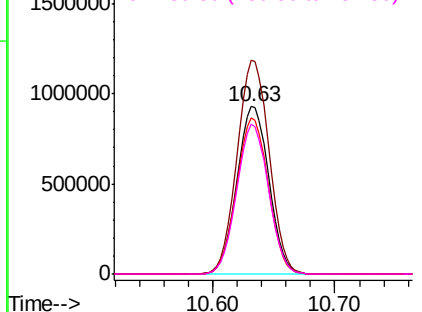
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

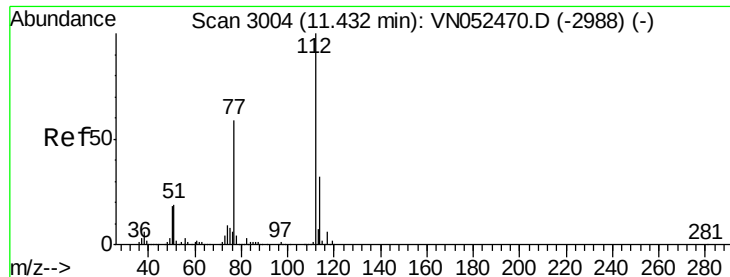


#64
Tetrachloroethene
Concen: 142.374 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion:164 Resp: 1680975
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.4
129 93.2 73.8 110.6
131 89.0 71.2 106.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 152.637 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 4792826

Ion Ratio Lower Upper

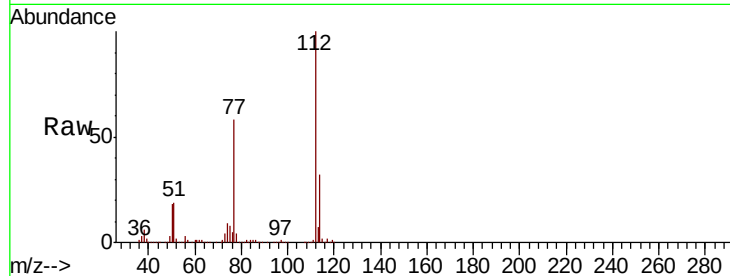
112 100

114 31.9 25.8 38.6

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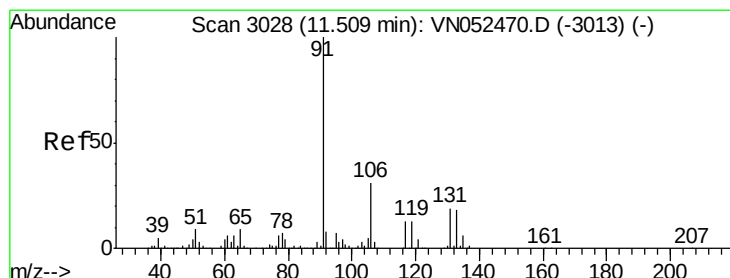
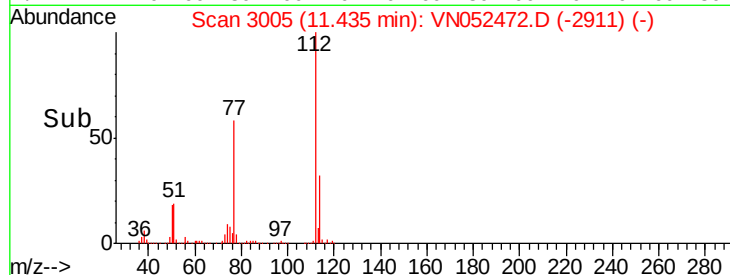
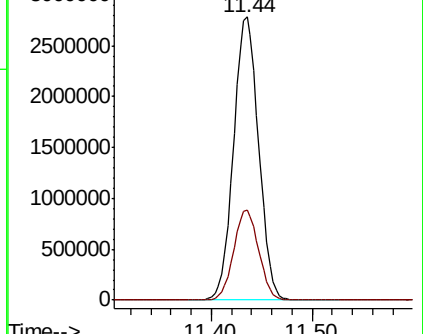
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 155.039 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

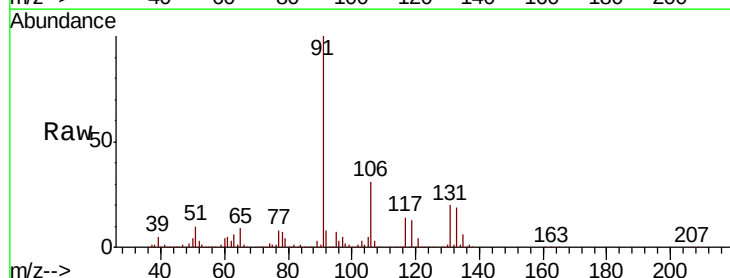
Tgt Ion:131 Resp: 1692712

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

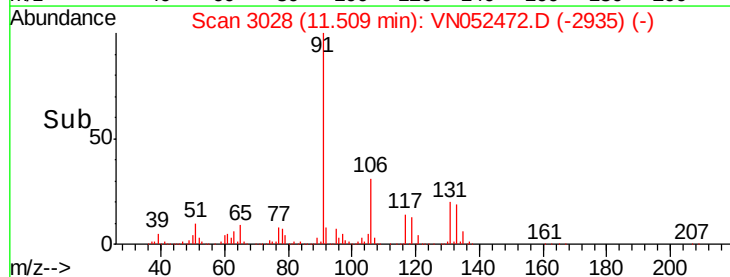
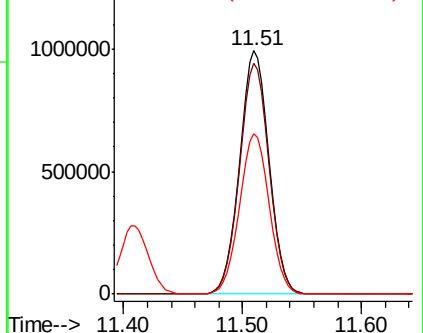
119 66.8 33.2 99.6

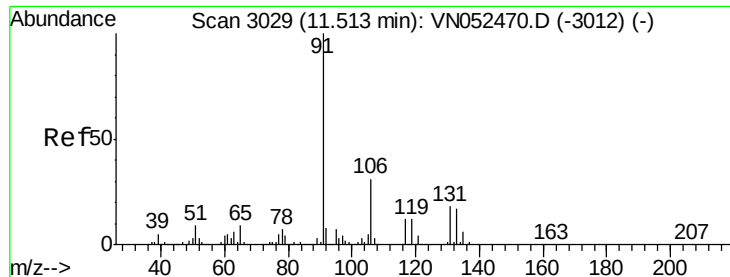


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 155.074 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 8527095

Ion Ratio Lower Upper

91 100

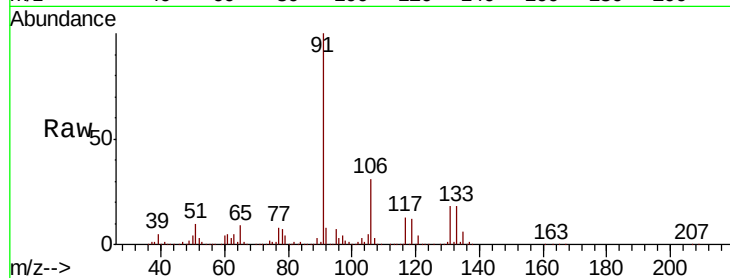
106 30.8 24.9 37.3

Manual Integrations

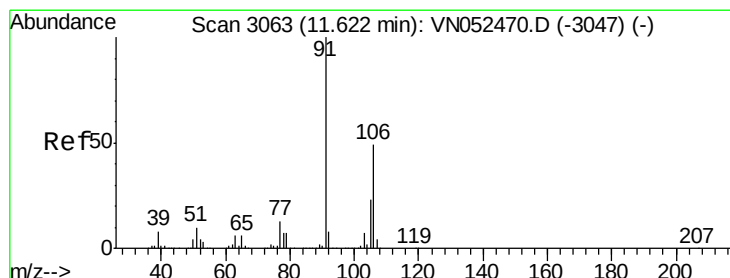
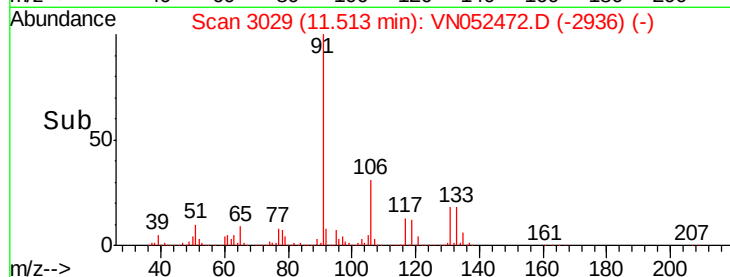
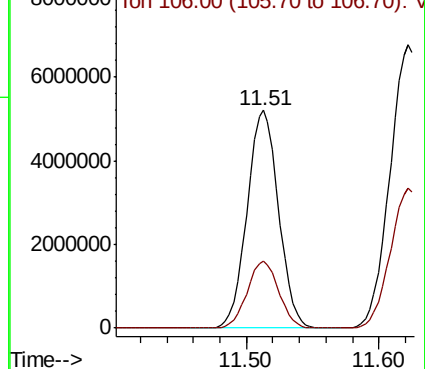
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Abundance Ion 91.00 (90.70 to 91.70): VN052472.D (-2936) (-)



#68

m/p-Xylenes

Concen: 311.025 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052472.D

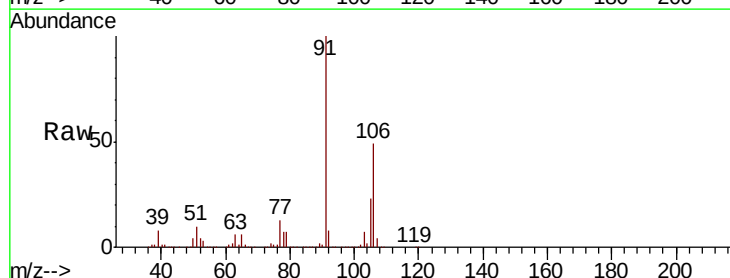
Acq: 27 Nov 2018 11:25

Tgt Ion: 106 Resp: 6366790

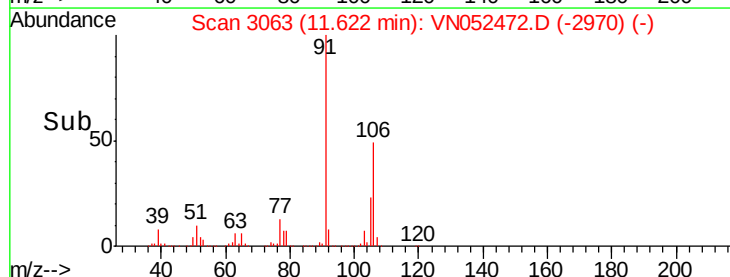
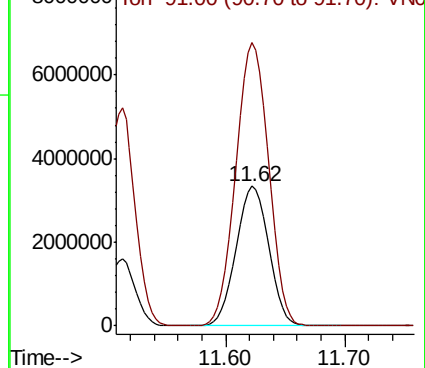
Ion Ratio Lower Upper

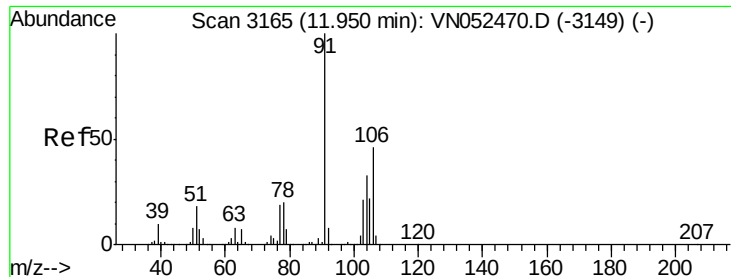
106 100

91 203.8 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052472.D (-2970) (-)





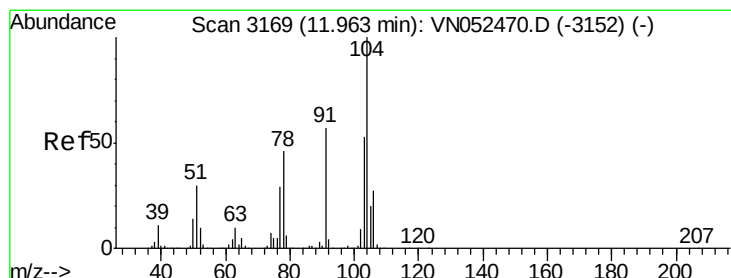
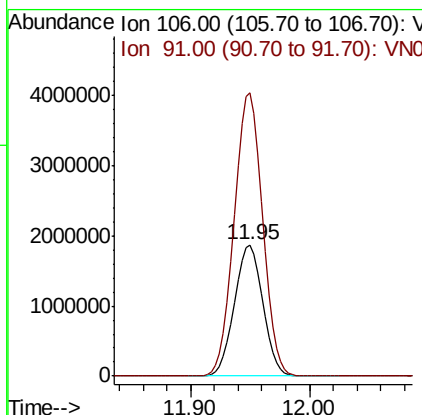
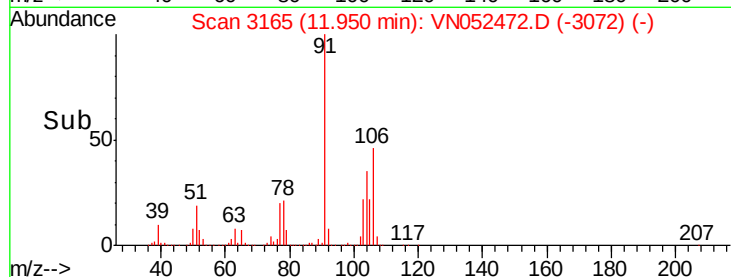
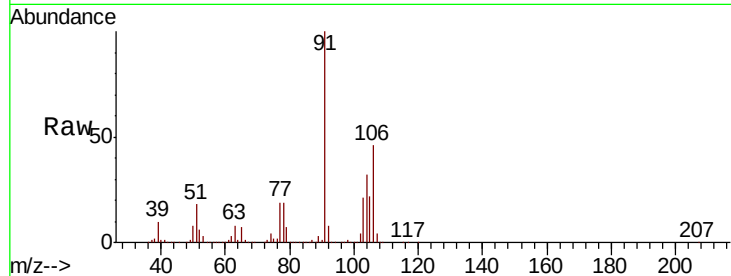
#69
o-Xylene
Concen: 155.732 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 3095719
Ion Ratio Lower Upper
106 100
91 216.0 107.7 323.1

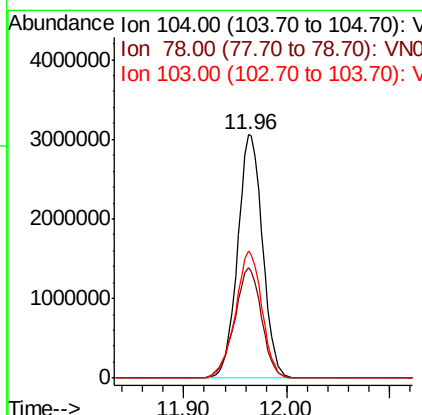
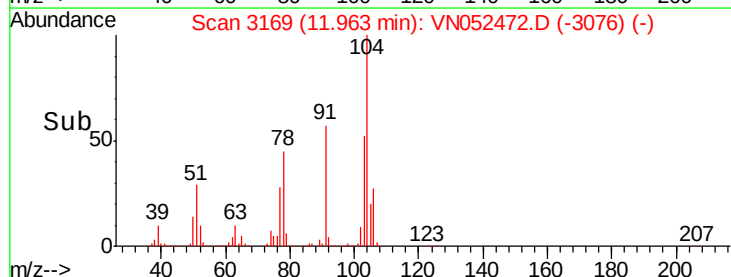
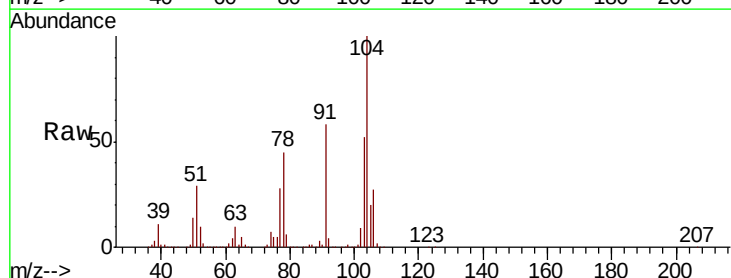
Manual Integrations
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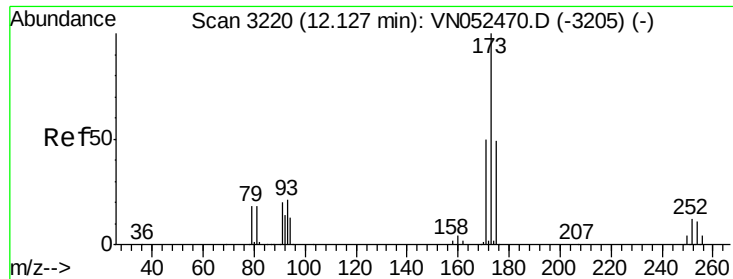
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#70
Styrene
Concen: 161.786 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion:104 Resp: 5122405
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.2
103 55.7 44.9 67.3





#71

Bromoform

Concen: 170.010 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:173 Resp: 1229011

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.2

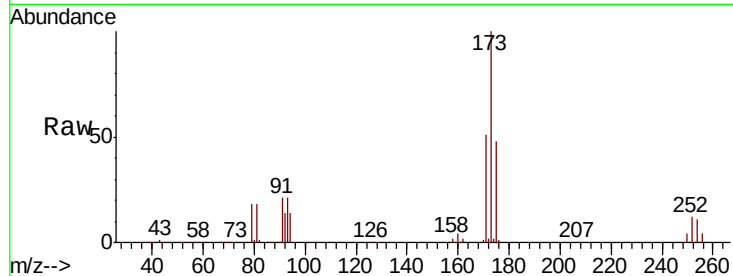
254 0.1 0.1 0.1#

Manual Integrations

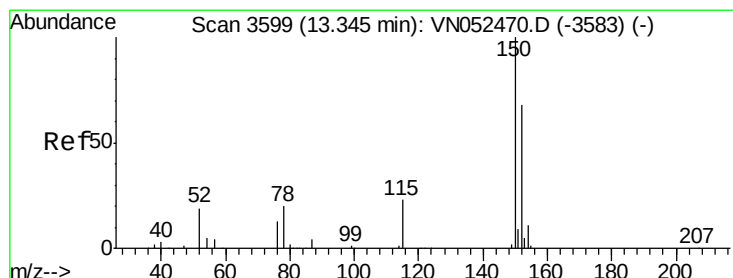
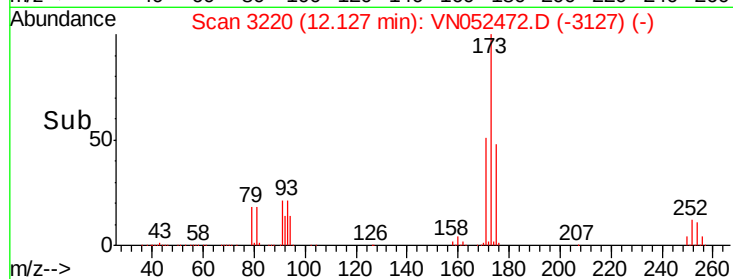
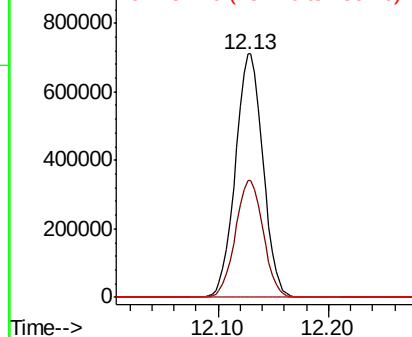
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

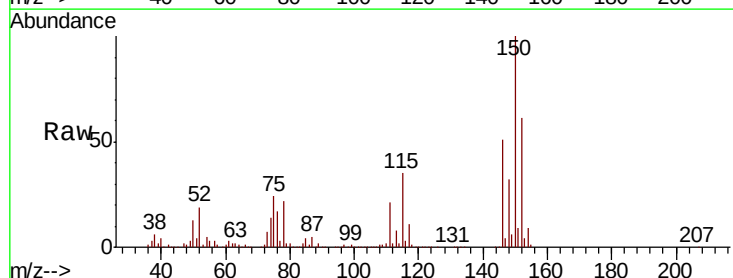
Tgt Ion:152 Resp: 731888

Ion Ratio Lower Upper

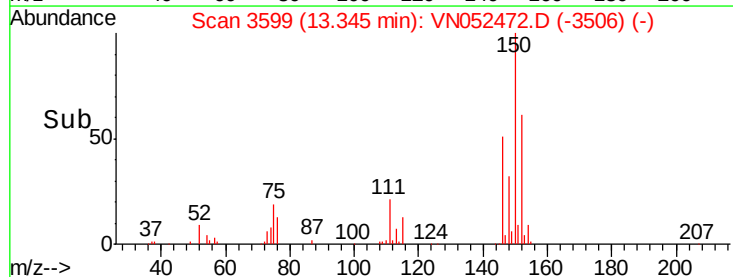
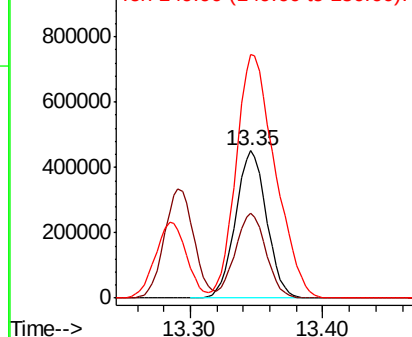
152 100

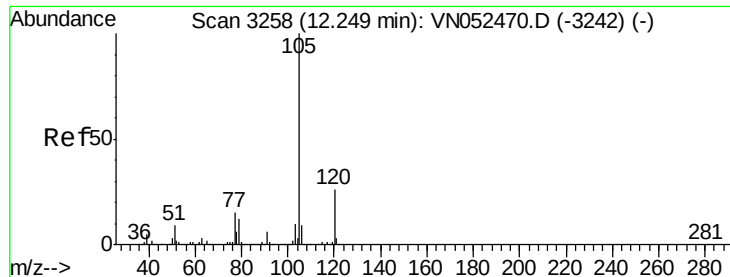
115 56.5 28.4 85.2

150 207.8 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 143.015 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 8212083

Ion Ratio Lower Upper

105 100

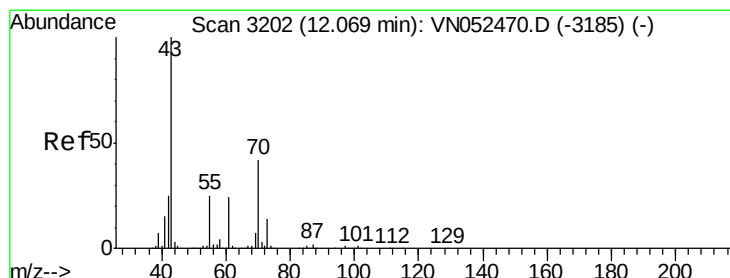
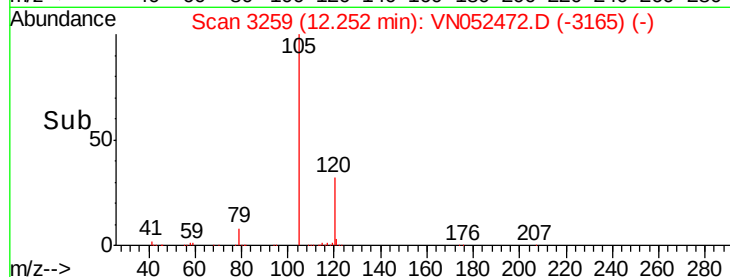
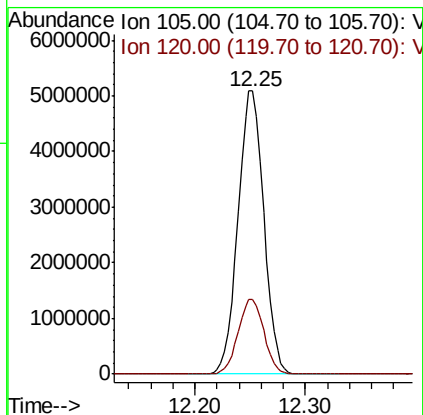
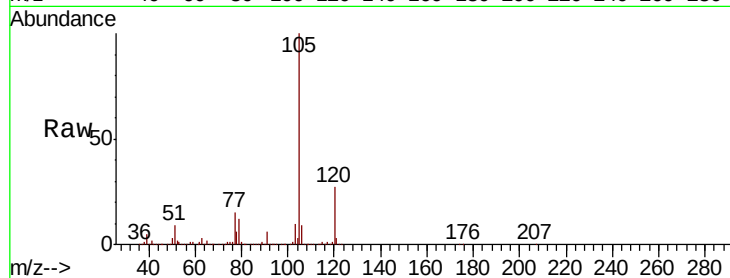
120 26.5 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 172.318 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Tgt Ion: 43 Resp: 2499781

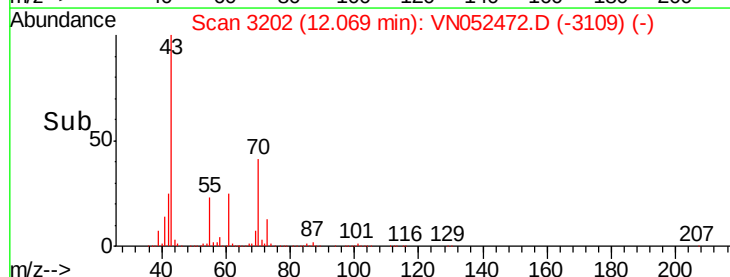
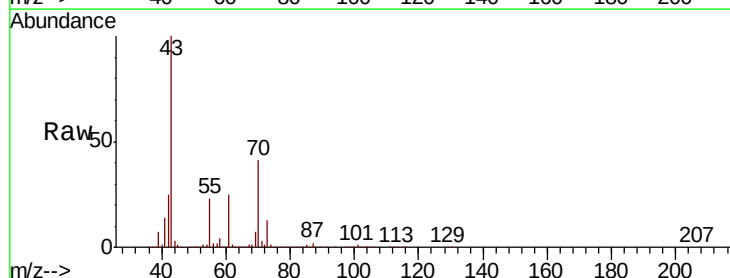
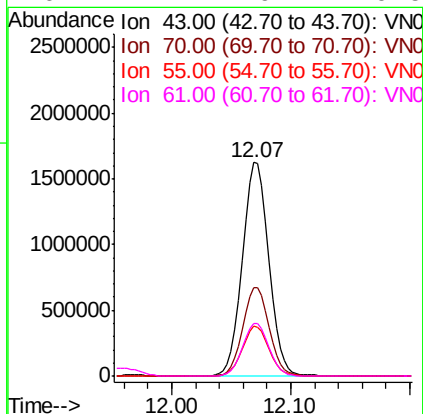
Ion Ratio Lower Upper

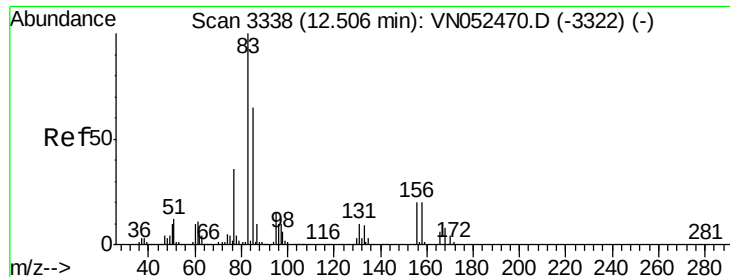
43 100

70 41.7 33.8 50.8

55 23.5 20.0 30.0

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 148.169 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1935401

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

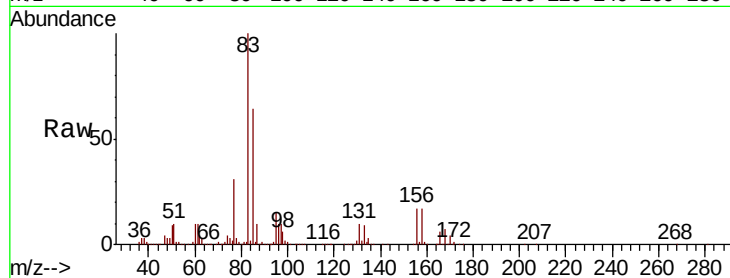
85 64.2 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN052472.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052472.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052472.D (-3322) (-)

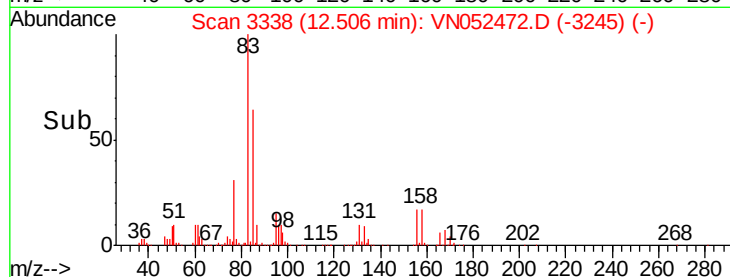
1500000

1000000

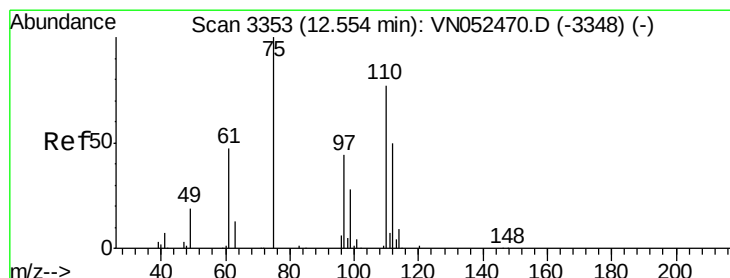
500000

0

12.45 12.50 12.55



Time-->



#76

1,2,3-Trichloropropane

Concen: 145.561 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052472.D

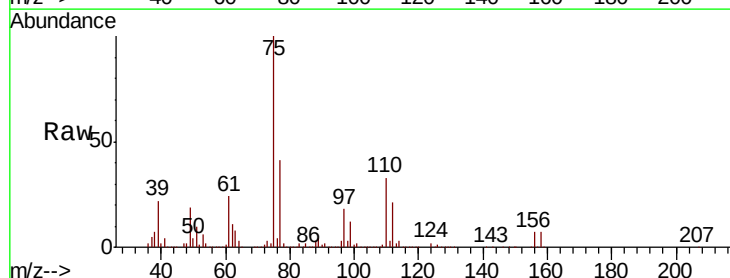
Acq: 27 Nov 2018 11:25

Tgt Ion: 75 Resp: 1580195

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052472.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052472.D (-3353) (-)

2000000

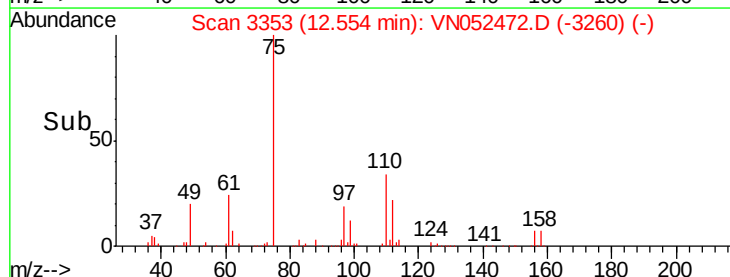
1500000

1000000

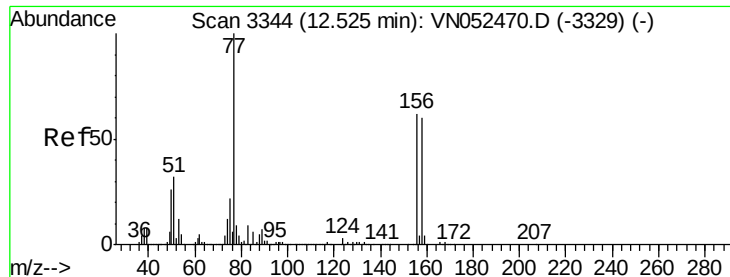
500000

0

12.55 12.60



Time-->



#77

Bromobenzene

Concen: 144.651 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 2053023

Ion Ratio Lower Upper

156 100

77 190.5 93.5 280.4

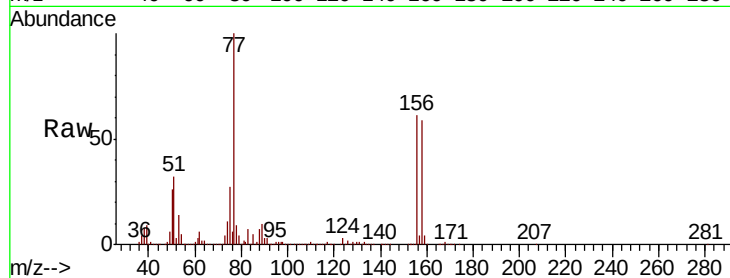
158 97.2 48.3 144.9

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

2500000

2000000

1500000

1000000

500000

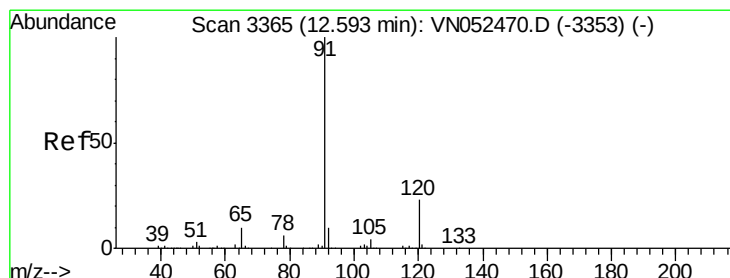
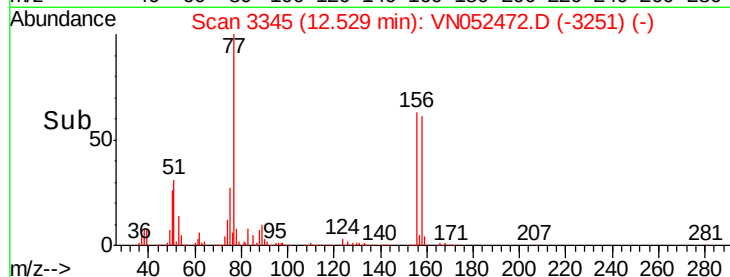
0

12.53

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 148.271 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052472.D

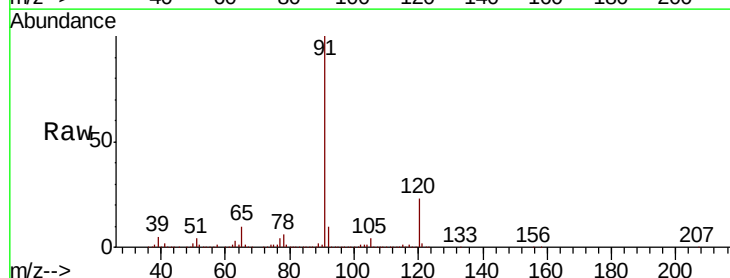
Acq: 27 Nov 2018 11:25

Tgt Ion: 91 Resp: 9672166

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

6000000

4000000

2000000

0

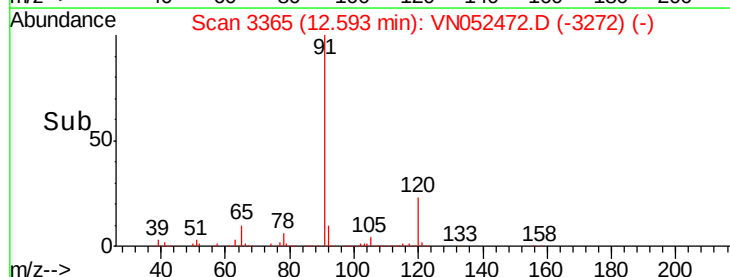
12.59

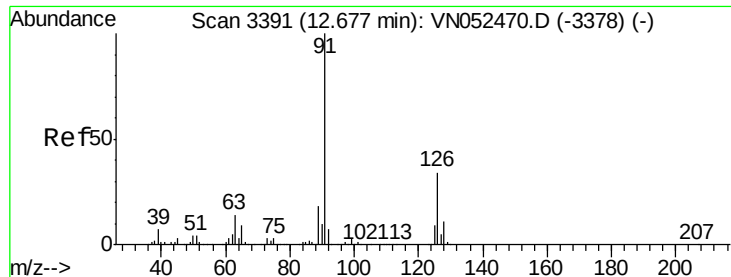
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 143.502 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 5574541

Ion Ratio Lower Upper

91 100

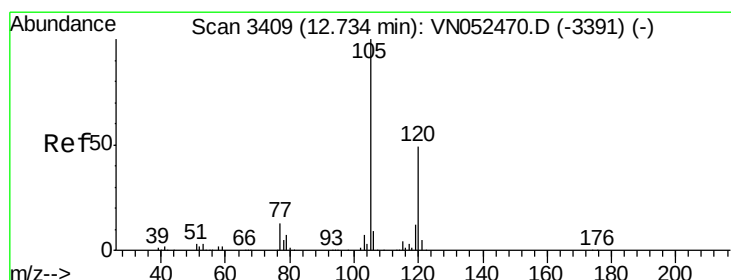
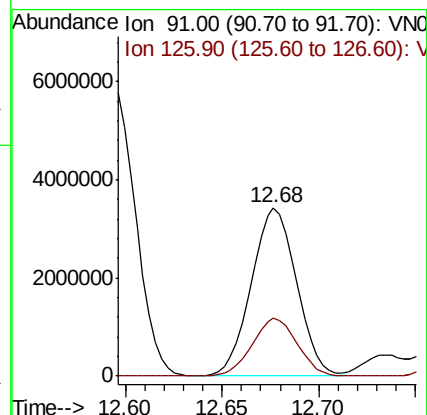
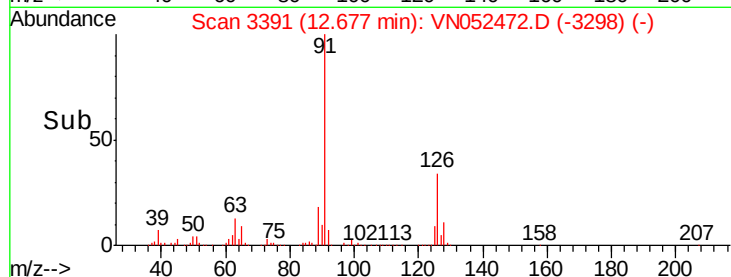
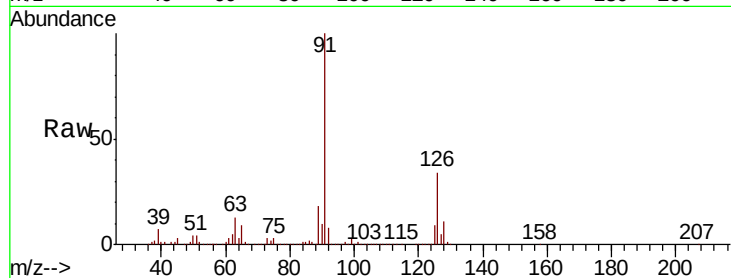
126 34.3 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 146.886 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052472.D

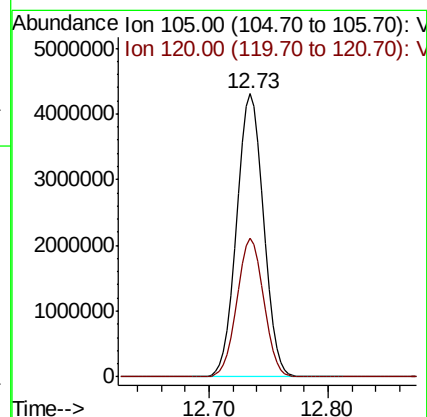
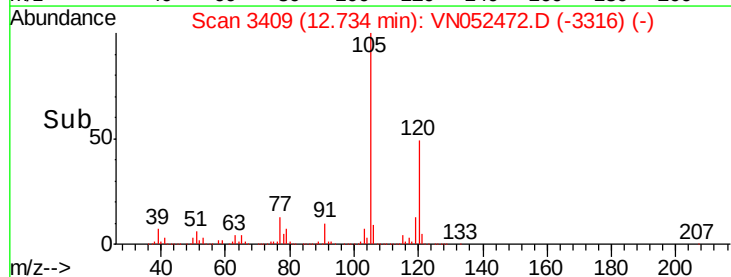
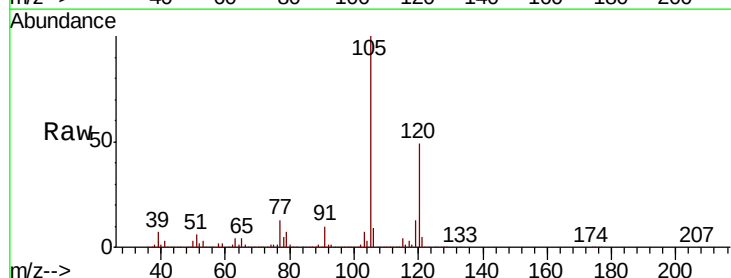
Acq: 27 Nov 2018 11:25

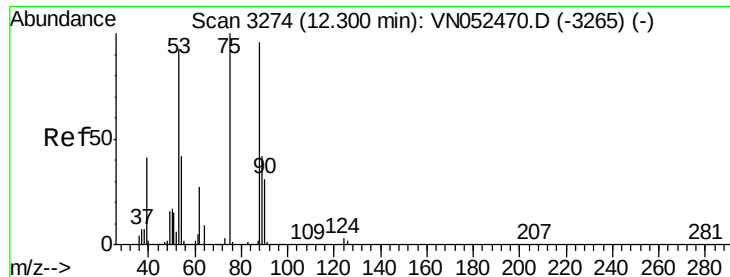
Tgt Ion: 105 Resp: 6726778

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





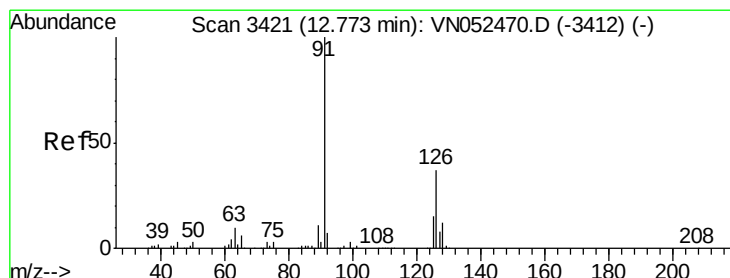
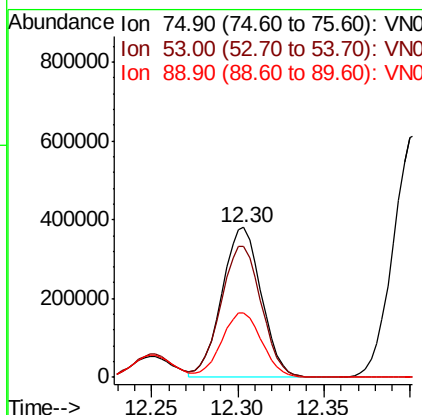
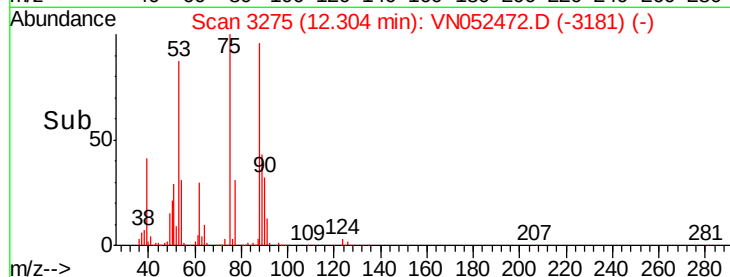
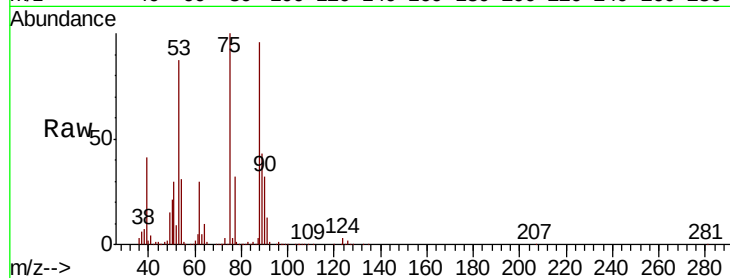
#81
trans-1,4-Dichloro-2-butene
Concen: 180.154 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.7	77.4	116.0
89	43.8	35.4	53.2

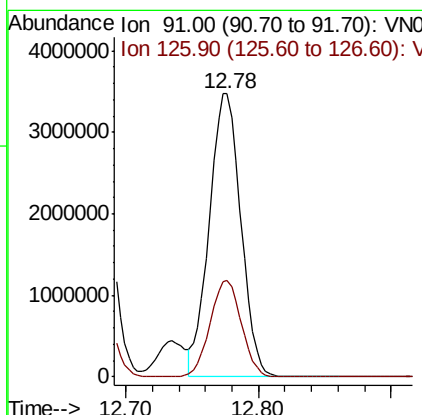
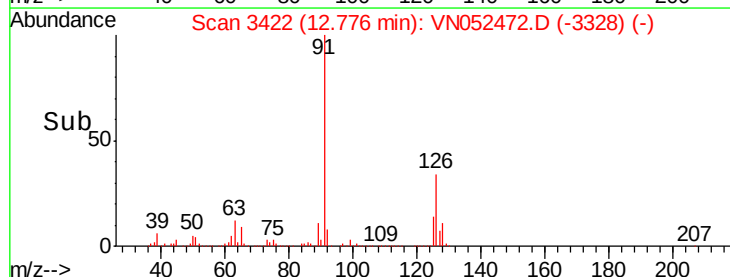
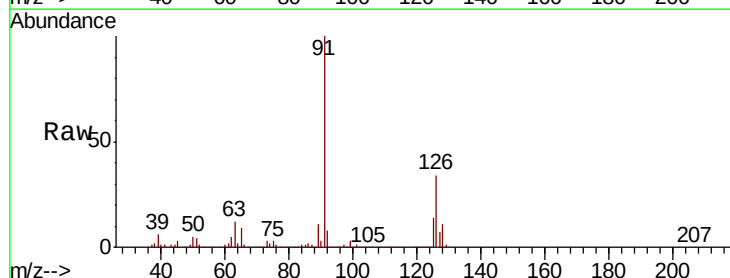
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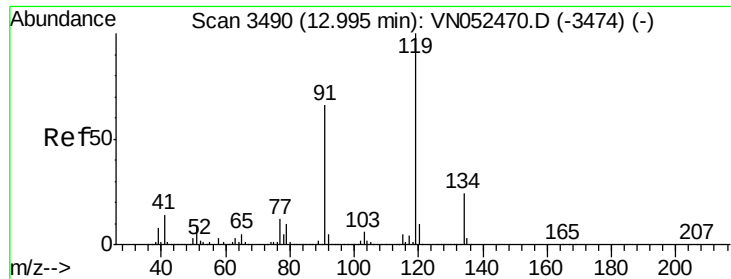
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#82
4-Chlorotoluene
Concen: 146.067 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6





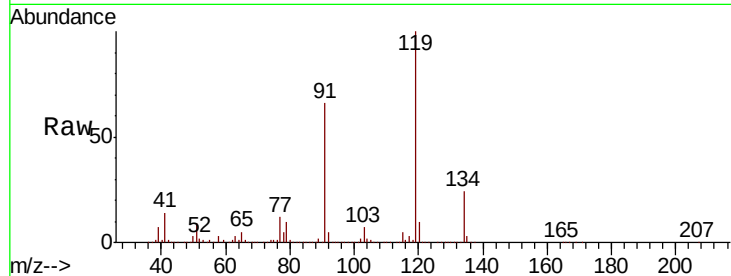
#83
 tert-Butylbenzene
 Concen: 143.696 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

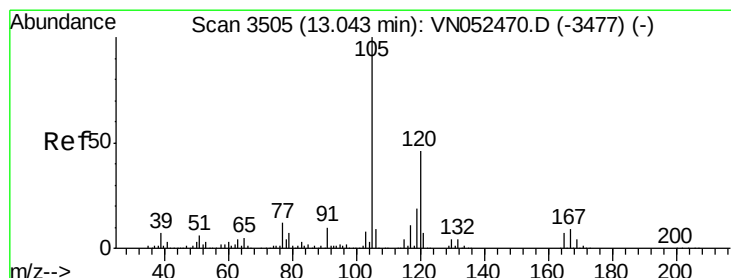
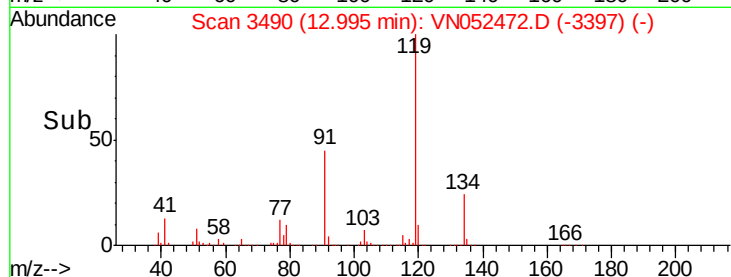
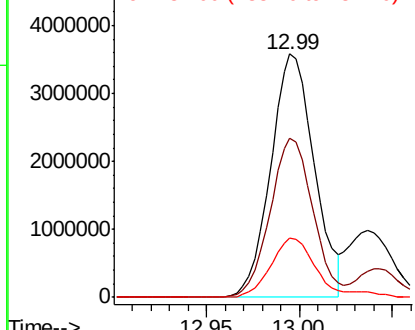
Tgt Ion:119 Resp: 5866671
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.3 96.9
 134 26.0 13.0 38.9

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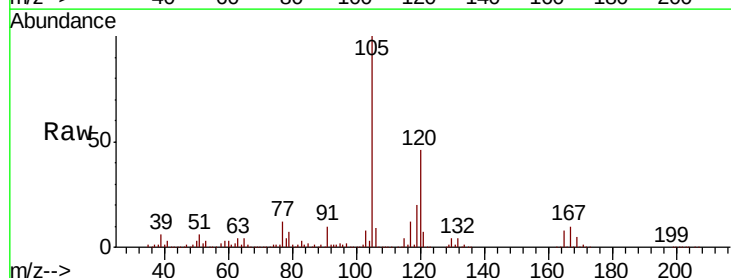


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

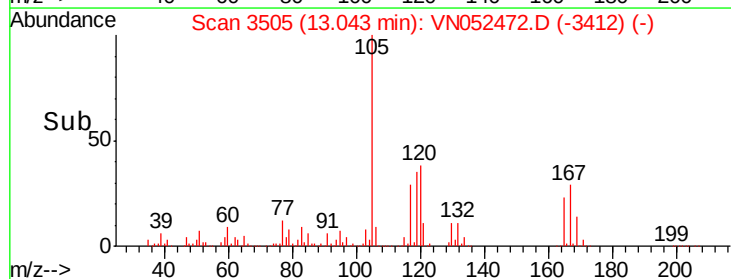
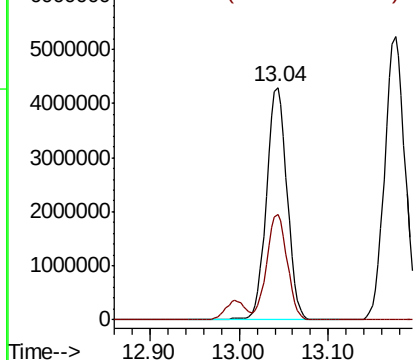


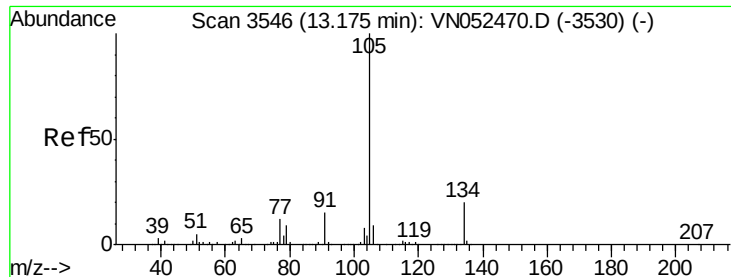
#84
 1,2,4-Trimethylbenzene
 Concen: 150.348 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion:105 Resp: 6900234
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 147.995 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 8229645

Ion Ratio Lower Upper

105 100

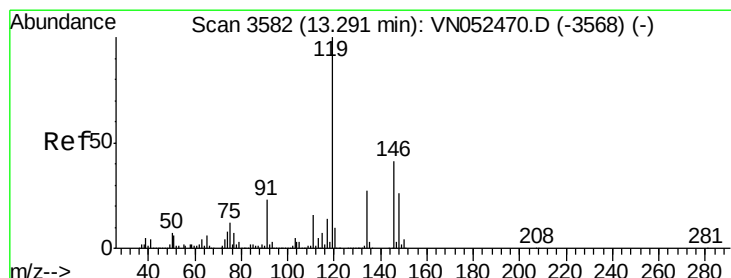
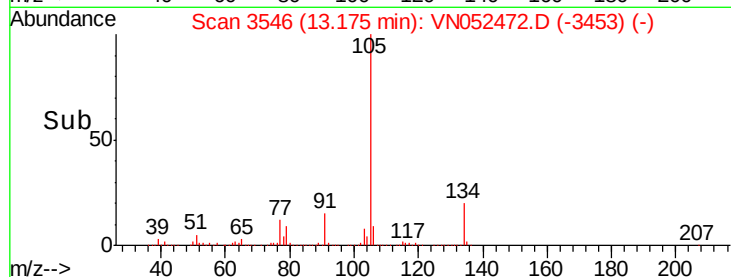
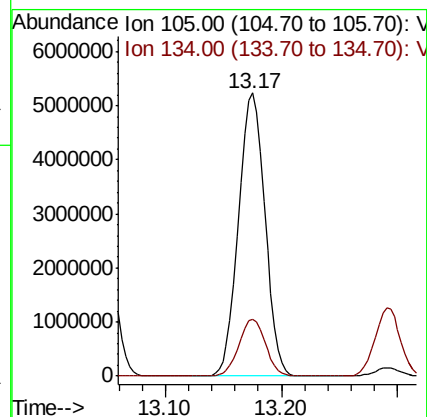
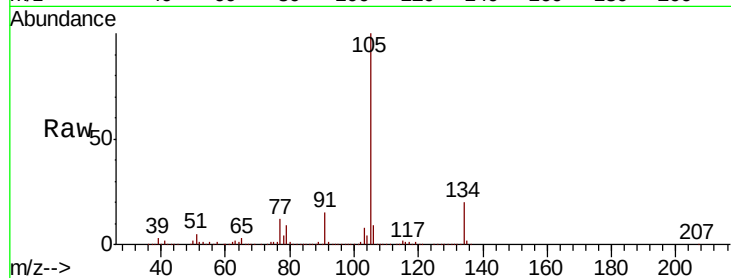
134 20.0 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 152.153 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

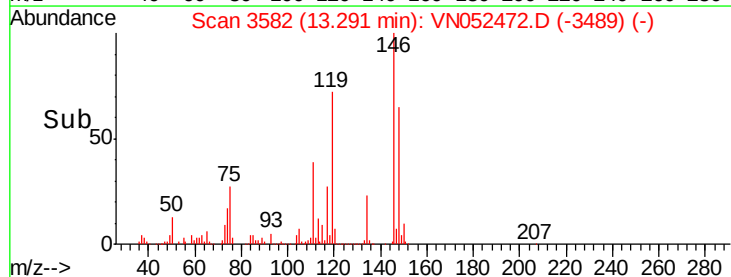
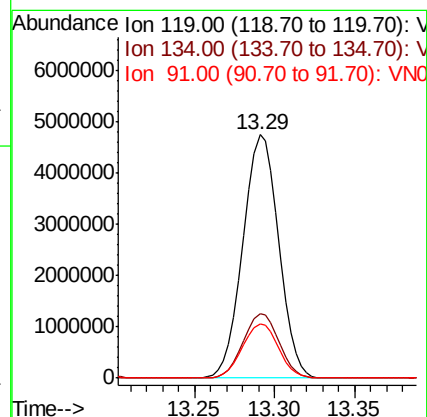
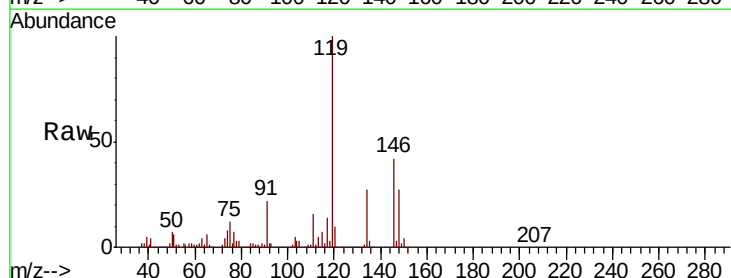
Tgt Ion:119 Resp: 7206427

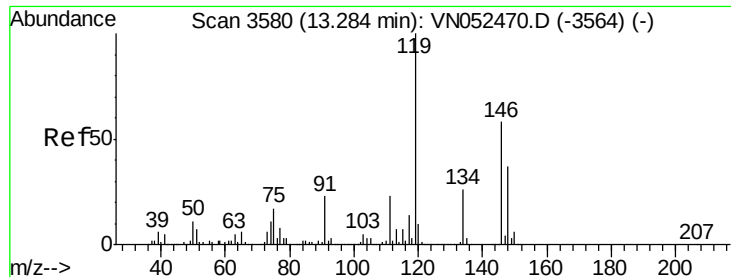
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.5 11.4 34.2





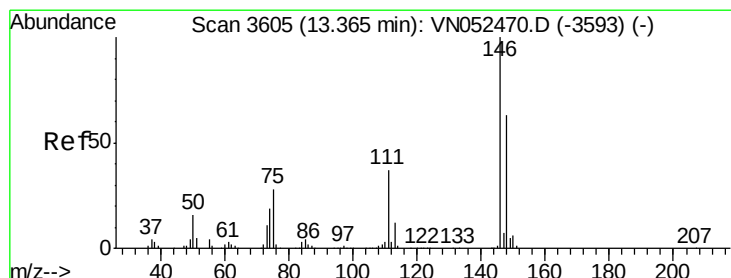
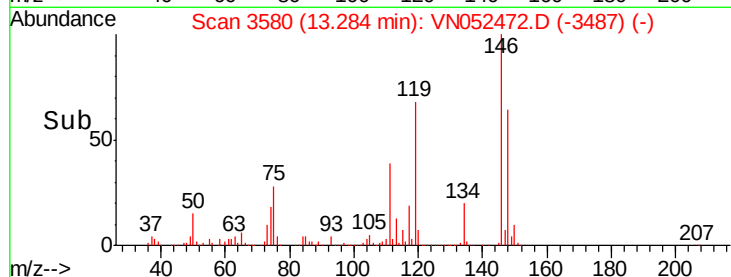
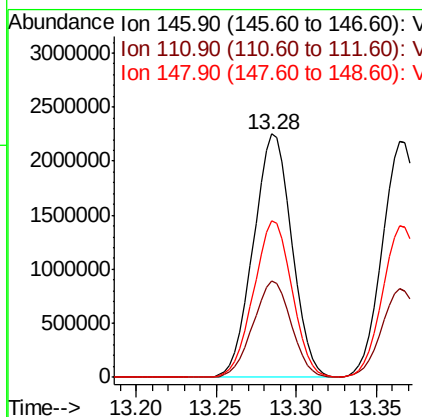
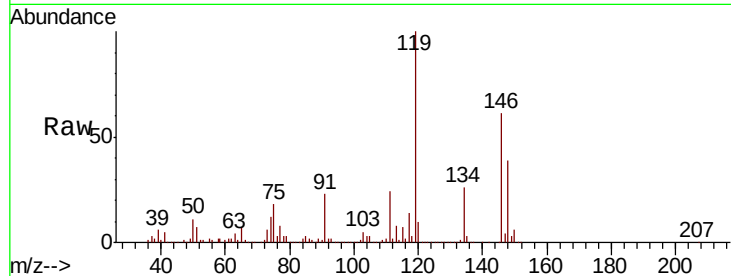
#87
 1,3-Dichlorobenzene
 Concen: 149.540 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 3712567
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.4
 148 64.3 31.8 95.4

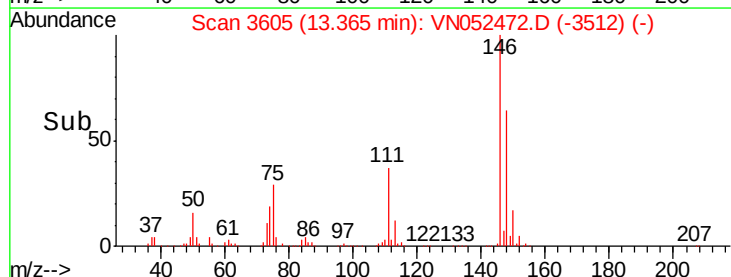
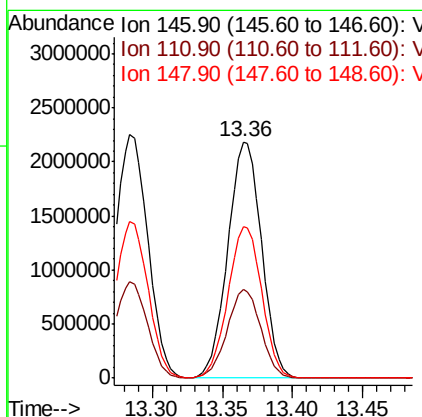
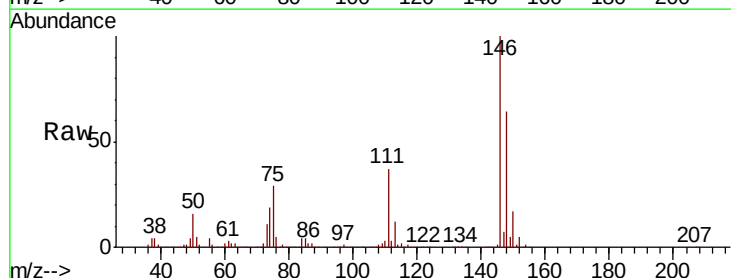
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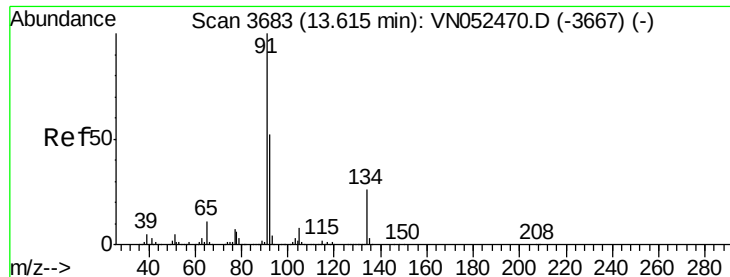
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#88
 1,4-Dichlorobenzene
 Concen: 149.456 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion:146 Resp: 3654906
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 64.1 31.9 95.9





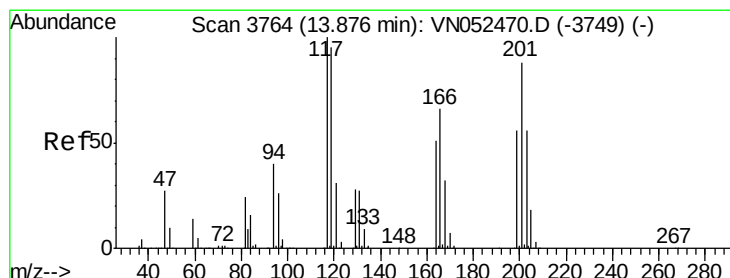
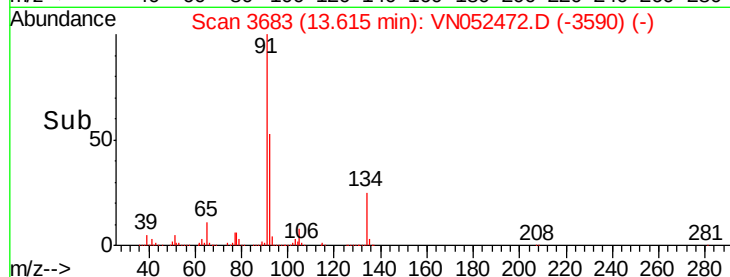
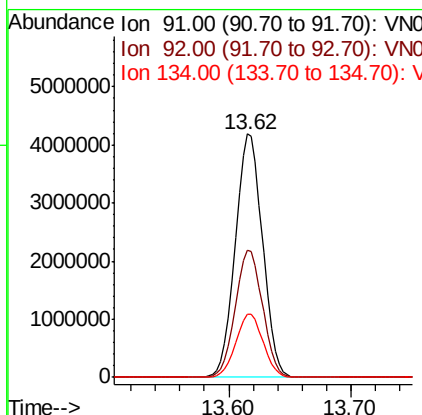
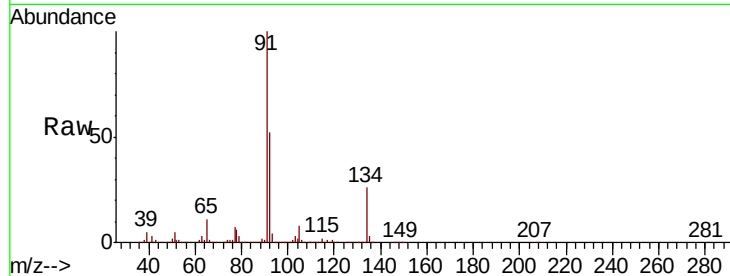
#89
n-Butylbenzene
Concen: 163.889 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 6455453
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.3
134 26.0 13.0 38.9

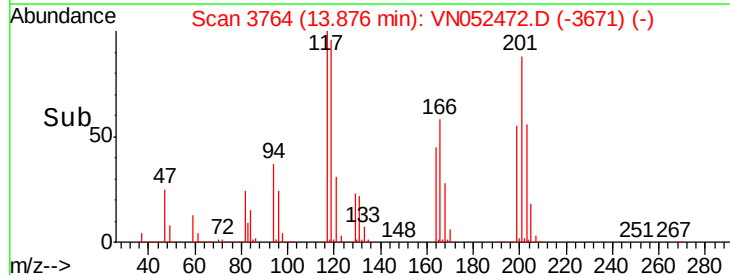
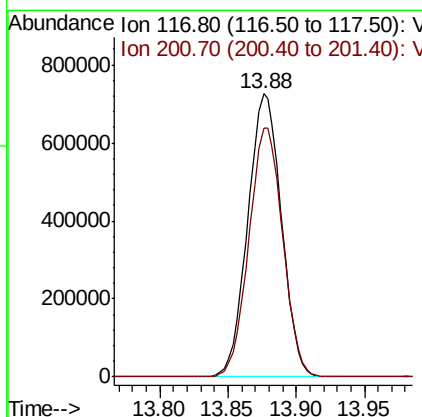
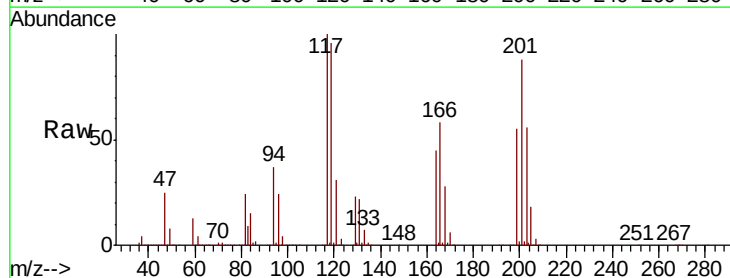
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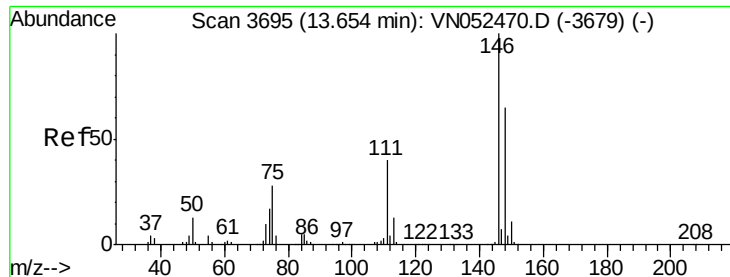
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#90
Hexachloroethane
Concen: 155.047 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052472.D
Acq: 27 Nov 2018 11:25

Tgt Ion: 117 Resp: 1243411
Ion Ratio Lower Upper
117 100
201 88.3 43.6 130.9





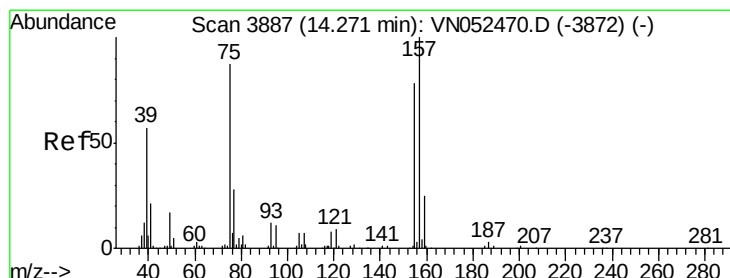
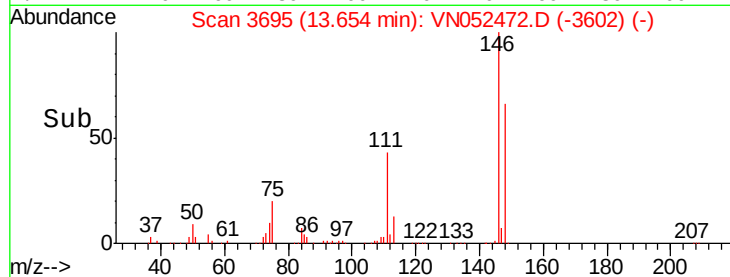
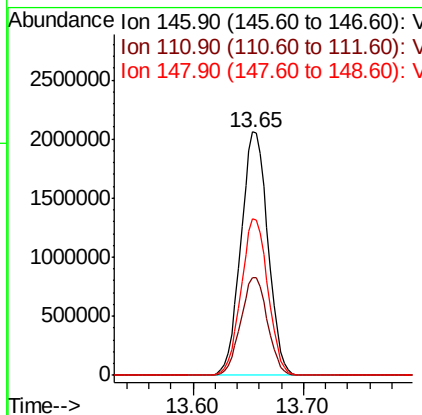
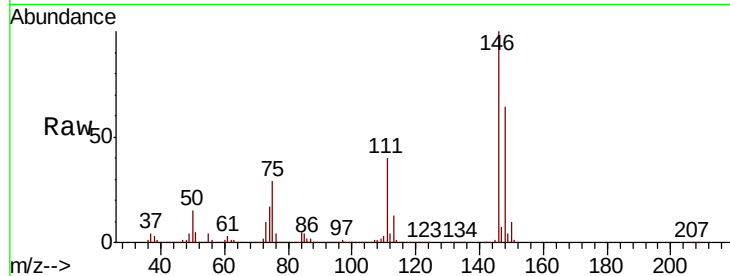
#91
 1,2-Dichlorobenzene
 Concen: 146.535 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 146 Resp: 3475697
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 60.0
 148 64.0 32.0 96.2

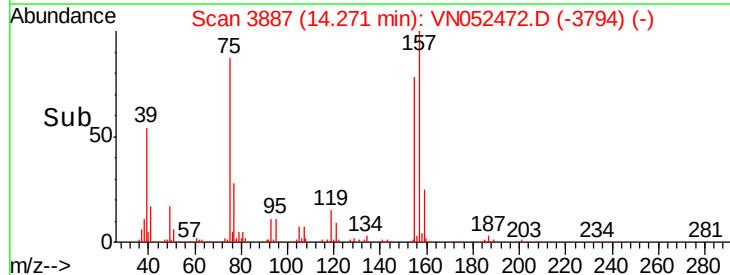
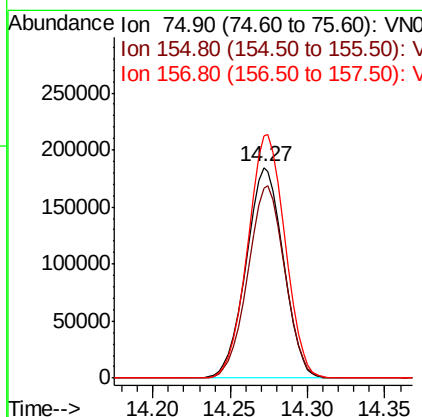
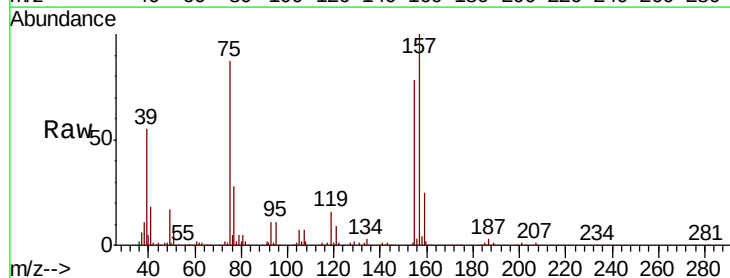
Manual Integrations
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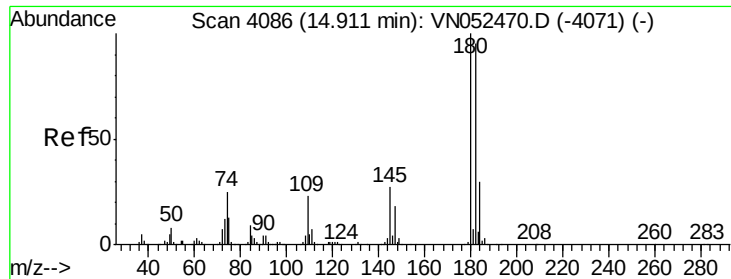
MMDadoda
 11/28/2018 9:33:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 166.613 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion: 75 Resp: 311261
 Ion Ratio Lower Upper
 75 100
 155 90.1 45.3 135.9
 157 115.5 58.1 174.2





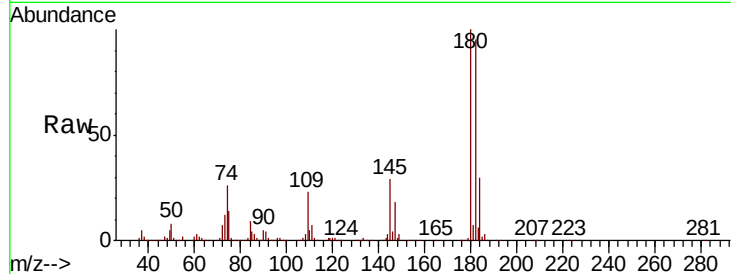
#93
 1,2,4-Trichlorobenzene
 Concen: 183.079 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

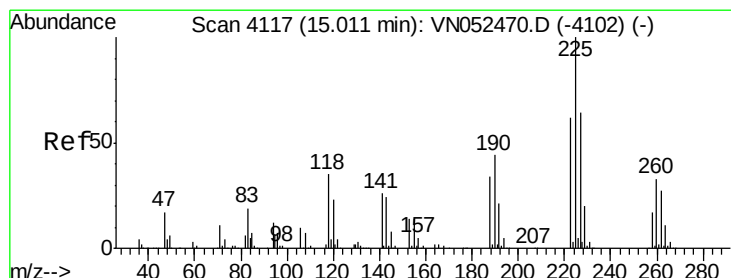
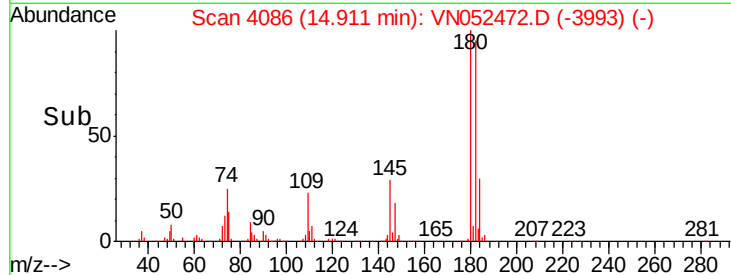
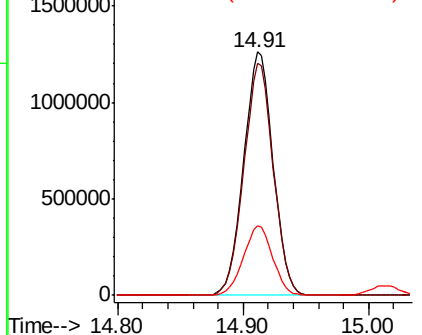
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	28.4	14.1	42.3

Manual Integrations
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 11/28/2018 9:33:42 AM

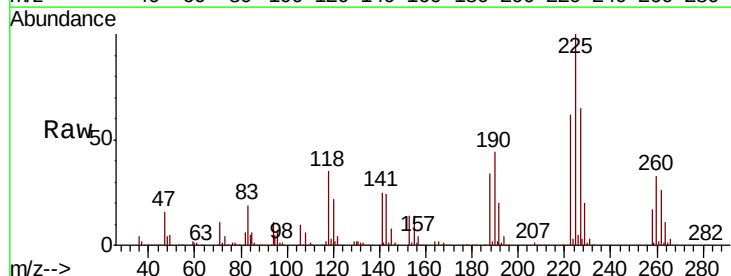


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

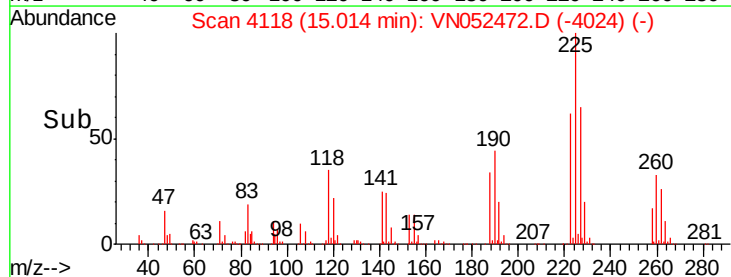
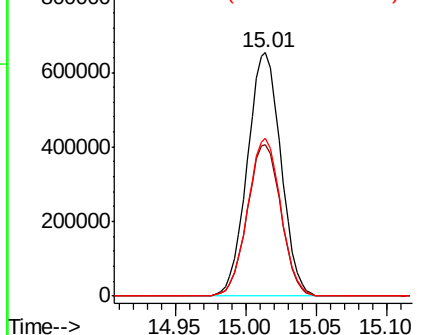


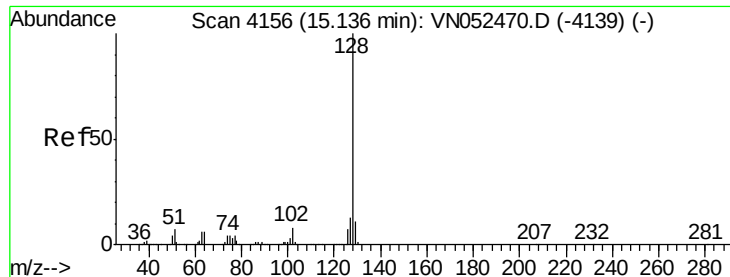
#94
 Hexachlorobutadiene
 Concen: 142.847 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052472.D
 Acq: 27 Nov 2018 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	64.3	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 190.963 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 4421559

Ion Ratio Lower Upper

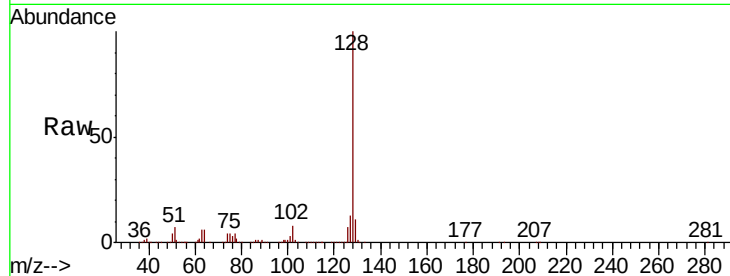
128 100

127 12.7 10.2 15.2

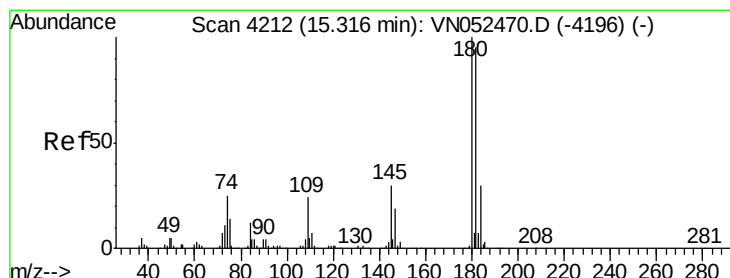
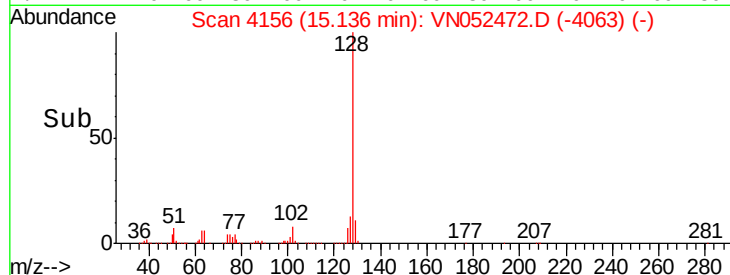
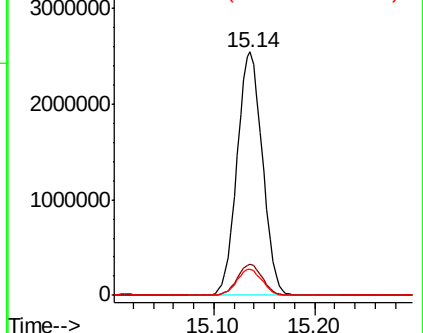
129 10.8 8.7 13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 180.544 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052472.D

Acq: 27 Nov 2018 11:25

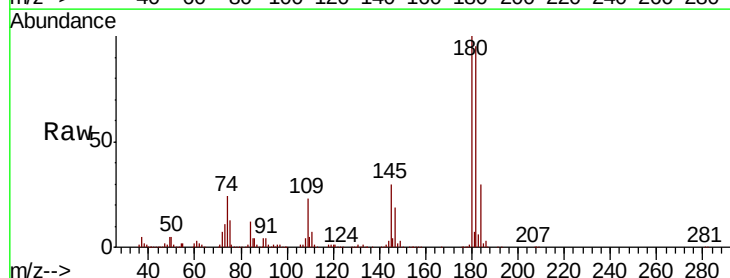
Tgt Ion:180 Resp: 1891194

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

145 30.2 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

