

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052471.D
 Acq On : 27 Nov 2018 10:58
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:36 AM

Quant Time: Nov 28 01:00:12 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	1049697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1630902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1475774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	706207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1161418	101.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.24%	
35) Dibromofluoromethane	7.59	113	1028761	102.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.64%	
50) Toluene-d8	10.09	98	4060383	103.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.50%	
62) 4-Bromofluorobenzene	12.40	95	1412094	107.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	958424	97.513	ug/l	99
3) Chloromethane	2.06	50	1291275	99.529	ug/l	100
4) Vinyl Chloride	2.19	62	1321717	99.173	ug/l	100
5) Bromomethane	2.56	94	786329	94.561	ug/l	99
6) Chloroethane	2.71	64	783492	97.053	ug/l	99
7) Trichlorofluoromethane	3.02	101	1616761	98.759	ug/l	100
8) Diethyl Ether	3.41	74	625500	103.465	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1011680	99.037	ug/l	99
10) Methyl Iodide	3.96	142	1483677	109.050	ug/l	100
11) Tert butyl alcohol	4.78	59	279715	488.857	ug/l	99
12) 1,1-Dichloroethene	3.74	96	976121	99.271	ug/l	98
13) Acrolein	3.61	56	511356	568.095	ug/l	98
14) Allyl chloride	4.33	41	1682323	99.269	ug/l	95
15) Acrylonitrile	4.99	53	1896965	523.736	ug/l	99
16) Acetone	3.82	43	1425415	472.839	ug/l	100
17) Carbon Disulfide	4.06	76	3086282	99.738	ug/l	100
18) Methyl Acetate	4.32	43	888973	102.804	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2711598	103.647	ug/l	99
20) Methylene Chloride	4.55	84	1120500	94.984	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	1057680	100.715	ug/l	98
22) Diisopropyl ether	5.95	45	3636264	102.149	ug/l	99
23) Vinyl Acetate	5.90	43	11962172	539.512	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2049696	100.845	ug/l	100
25) 2-Butanone	6.83	43	2186383	511.690	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1451213	103.155	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1221262	99.832	ug/l	99
28) Bromochloromethane	7.19	49	953059	102.662	ug/l	100
29) Tetrahydrofuran	7.21	42	1418818	514.815	ug/l	99
30) Chloroform	7.37	83	1961974	96.752	ug/l	98
31) Cyclohexane	7.65	56	1939566	85.295	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1635637	101.804	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1570382	101.966	ug/l	99
37) Ethyl Acetate	6.93	43	962402	102.393	ug/l	99
38) Carbon Tetrachloride	7.78	117	1433661	102.830	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1931839	103.200	ug/l	99
40) Benzene	8.04	78	4671181	101.773	ug/l	100
41) Methacrylonitrile	7.17	41	562409	109.448	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1408987	101.385	ug/l	99
43) Isopropyl Acetate	8.16	43	1713393	107.719	ug/l	99
44) Trichloroethene	8.84	130	1194472	101.599	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1249330	102.383	ug/l	100
46) Dibromomethane	9.21	93	700673	103.724	ug/l	99
47) Bromodichloromethane	9.40	83	1518196	103.371	ug/l	100
48) Methyl methacrylate	9.20	41	882335	106.383	ug/l	100
49) 1,4-Dioxane	9.20	88	160827	1868.409	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	4756719	532.996	ug/l	100
52) Toluene	10.16	92	2853209	104.628	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1583266	112.056	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1842438	108.814	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	992924	103.512	ug/l	100
56) Ethyl methacrylate	10.43	69	1341113	113.603	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1741518	102.821	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3831801	550.510	ug/l	100
59) 2-Hexanone	10.75	43	3247029	542.102	ug/l	100
60) Dibromochloromethane	10.90	129	1111068	106.646	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1002519	105.227	ug/l	100
64) Tetrachloroethene	10.63	164	1110399	97.045	ug/l	99
65) Chlorobenzene	11.44	112	3098753	101.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1084874	102.533	ug/l	100
67) Ethyl Benzene	11.51	91	5534954	103.867	ug/l	100
68) m/p-Xylenes	11.62	106	4171769	210.290	ug/l	100
69) o-Xylene	11.95	106	2019067	104.807	ug/l	100
70) Styrene	11.97	104	3330212	108.533	ug/l	100
71) Bromoform	12.13	173	759321	108.385	ug/l #	100
73) Isopropylbenzene	12.25	105	5372746	96.970	ug/l	100
74) N-amyl acetate	12.07	43	1517331	108.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1215442	96.435	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	978204m	93.385	ug/l	
77) Bromobenzene	12.53	156	1325476	96.786	ug/l	99
78) n-propylbenzene	12.59	91	6303518	100.145	ug/l	100
79) 2-Chlorotoluene	12.68	91	3624913	96.707	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4380555	99.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	360179	110.451	ug/l	97
82) 4-Chlorotoluene	12.78	91	3704861	98.071	ug/l	99
83) tert-Butylbenzene	12.99	119	3810146	96.718	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4472156	100.987	ug/l	100
85) sec-Butylbenzene	13.17	105	5312770	99.015	ug/l	100
86) p-Isopropyltoluene	13.29	119	4623783	101.175	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2400188	100.194	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2355741	99.834	ug/l	100
89) n-Butylbenzene	13.62	91	4081419	107.386	ug/l	100
90) Hexachloroethane	13.88	117	778513	100.607	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	2274014	99.359	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	188797	104.735	ug/l	99

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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	1274113	117.731	ug/l	99
94) Hexachlorobutadiene	15.01	225	710476	96.495	ug/l	99
95) Naphthalene	15.14	128	2686027	120.226	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1162659	115.030	ug/l	99

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

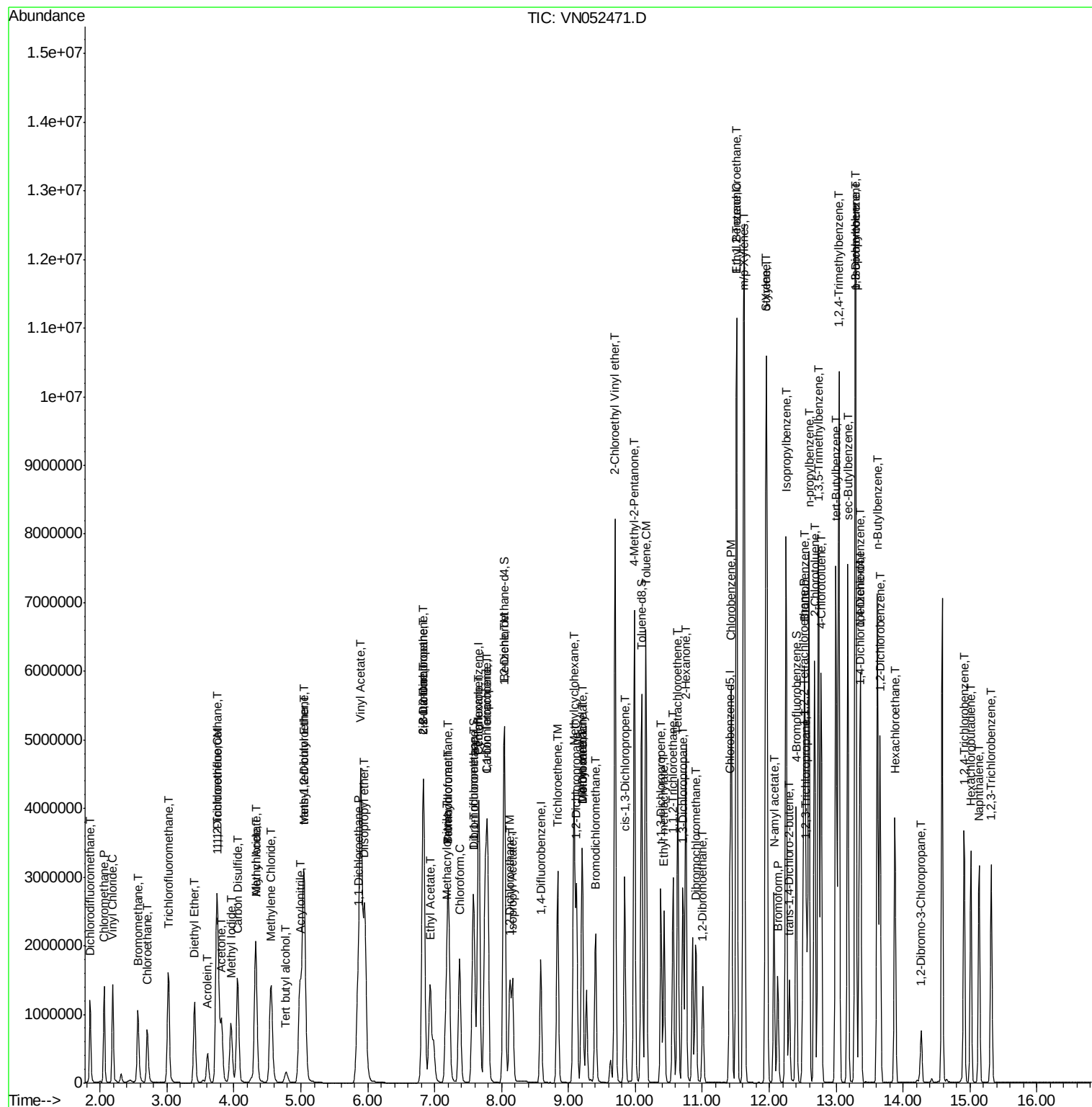
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Acq On : 27 Nov 2018 10:58
Operator : MD\SY
Sample : VSTDIC100
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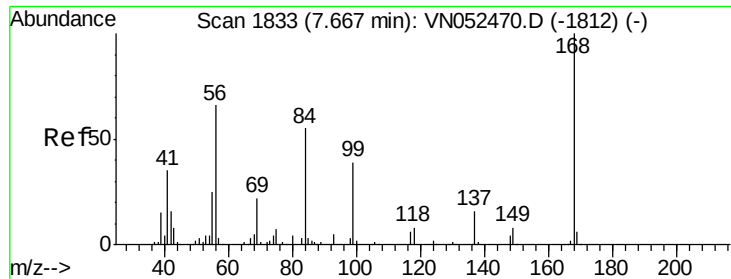
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC100

Manual Integrations
APPROVED

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 1049697

Ion Ratio Lower Upper

168 100

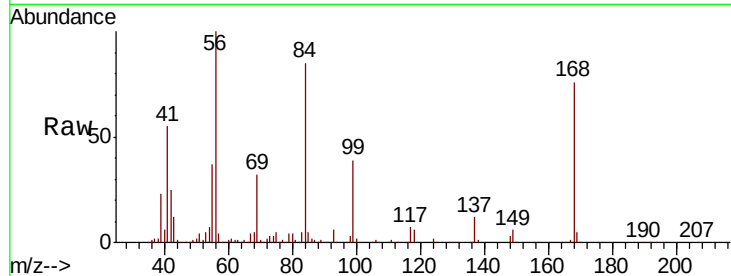
99 51.0 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN052471.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052471.D (-1740) (-)

7.67

400000

300000

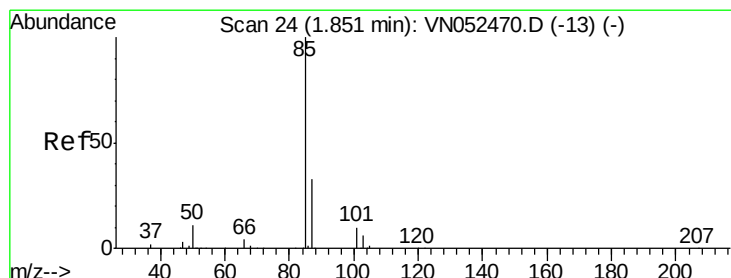
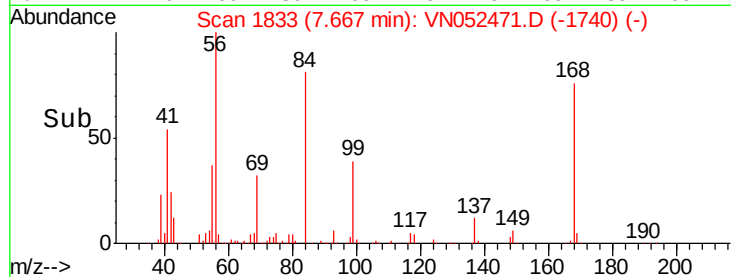
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 97.513 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052471.D

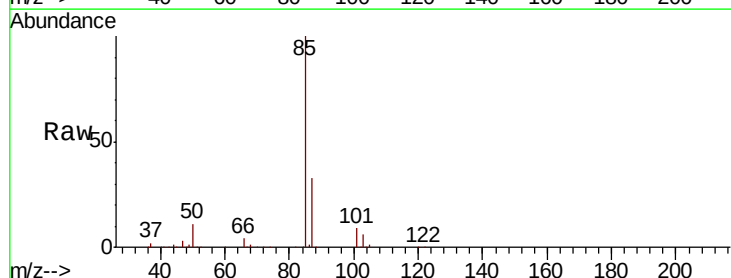
Acq: 27 Nov 2018 10:58

Tgt Ion: 85 Resp: 958424

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN052471.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN052471.D (-1) (-)

1.85

800000

600000

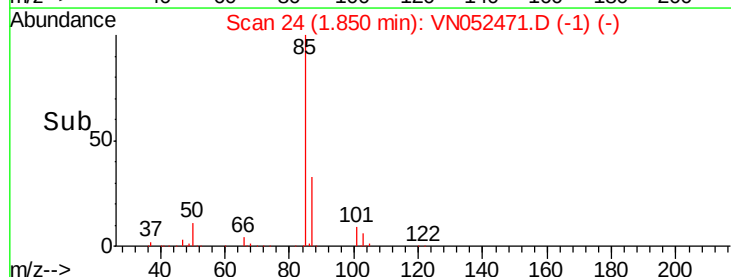
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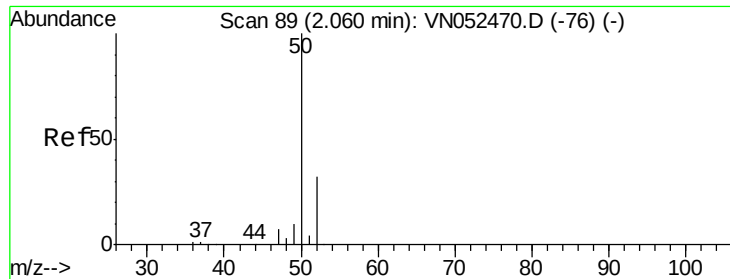
200000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 99.529 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 1291275

Ion Ratio Lower Upper

50 100

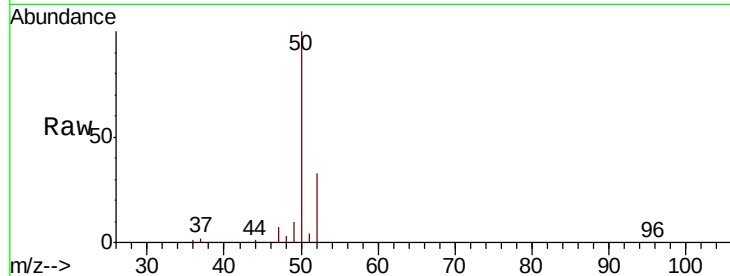
52 32.5 25.9 38.9

Manual Integrations

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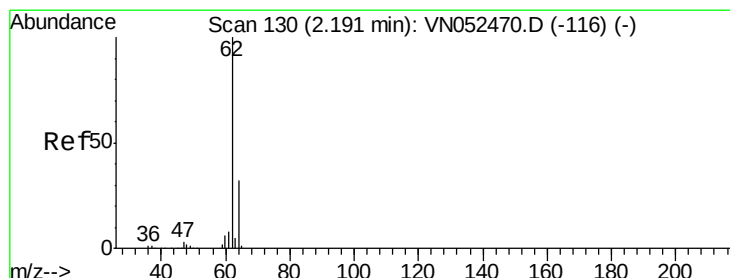
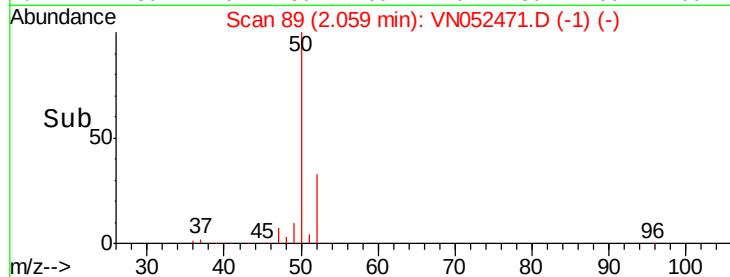
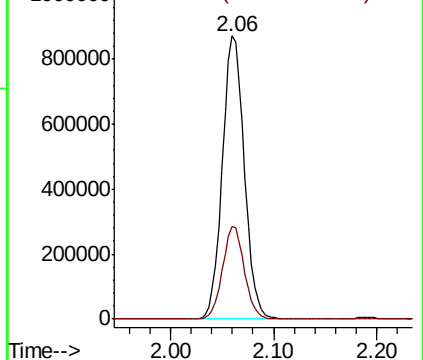
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Abundance Ion 49.90 (49.60 to 50.60): VN052470.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN052470.D (-76) (-)



#4

Vinyl Chloride

Concen: 99.173 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052471.D

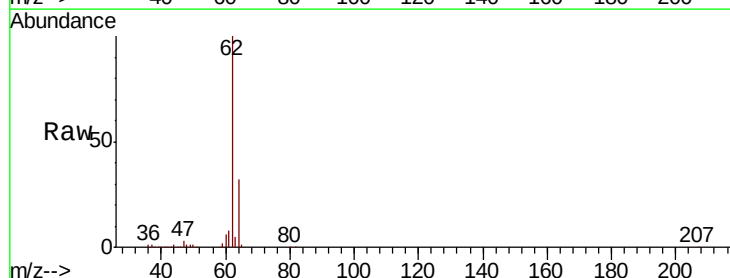
Acq: 27 Nov 2018 10:58

Tgt Ion: 62 Resp: 1321717

Ion Ratio Lower Upper

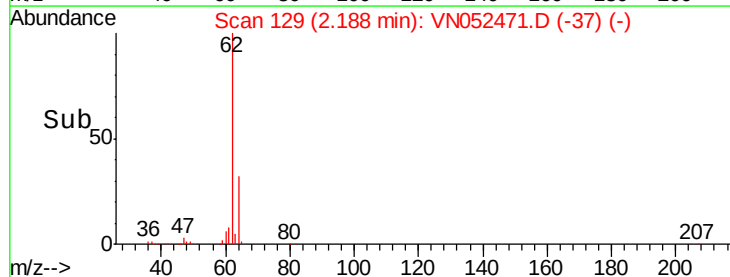
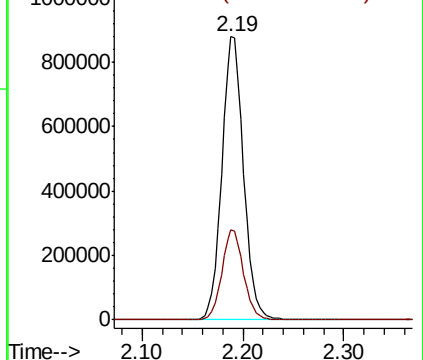
62 100

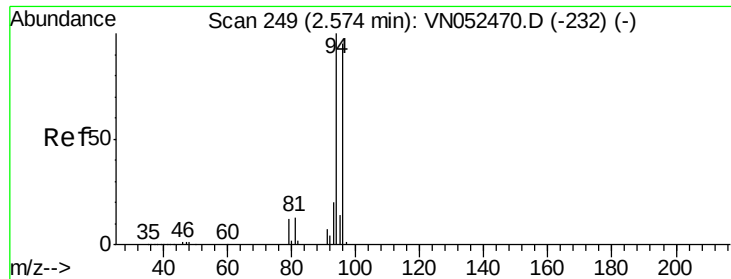
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN052470.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN052470.D (-116) (-)





#5

Bromomethane

Concen: 94.561 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

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VSTDIC100

Tgt Ion: 94 Resp: 786329

Ion Ratio Lower Upper

94 100

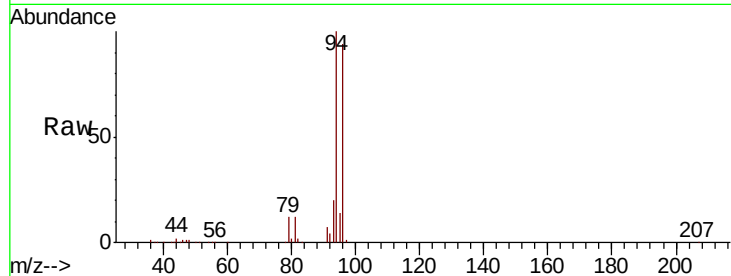
96 93.6 75.8 113.8

Manual Integrations

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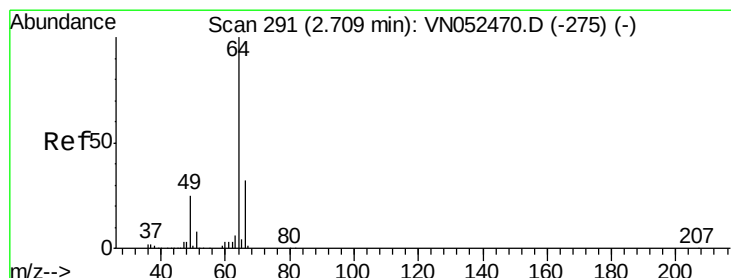
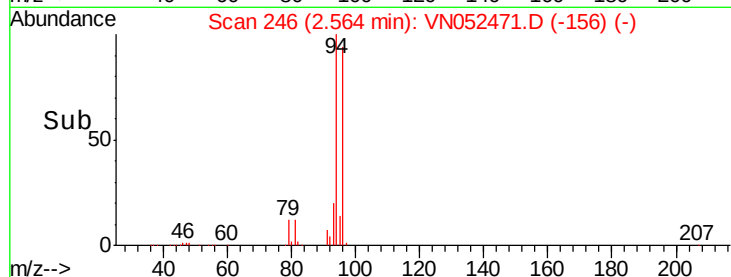
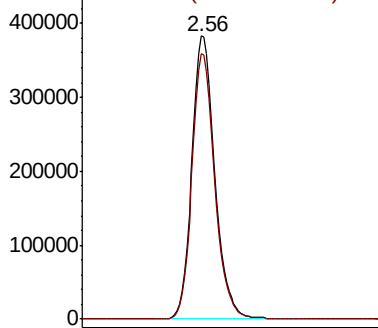
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 97.053 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052471.D

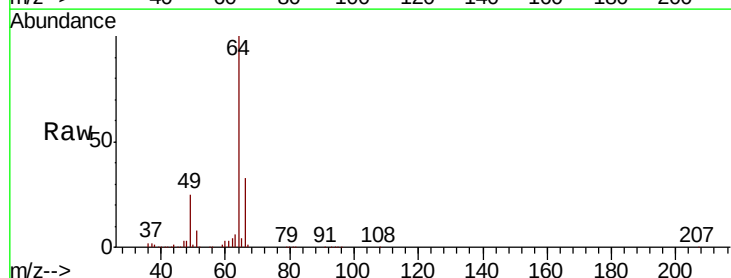
Acq: 27 Nov 2018 10:58

Tgt Ion: 64 Resp: 783492

Ion Ratio Lower Upper

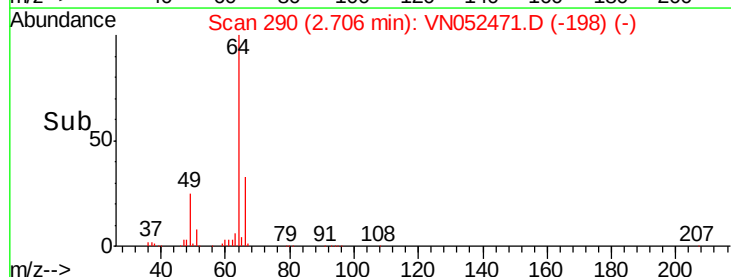
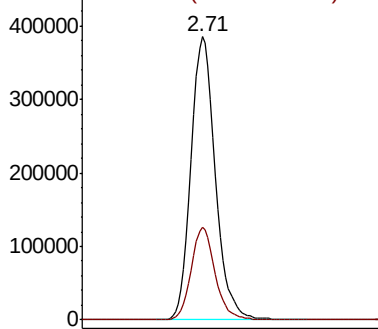
64 100

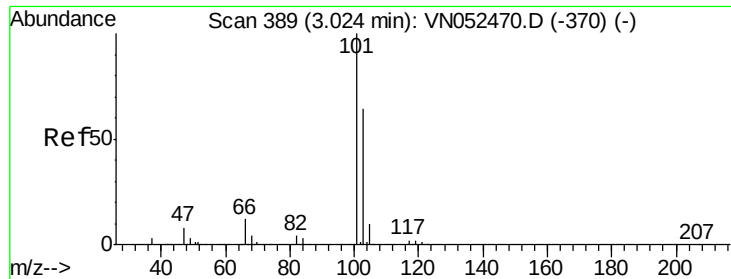
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

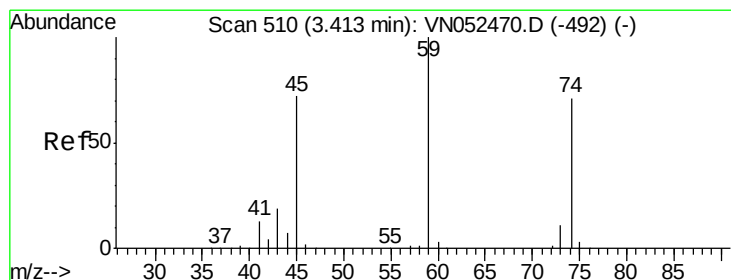
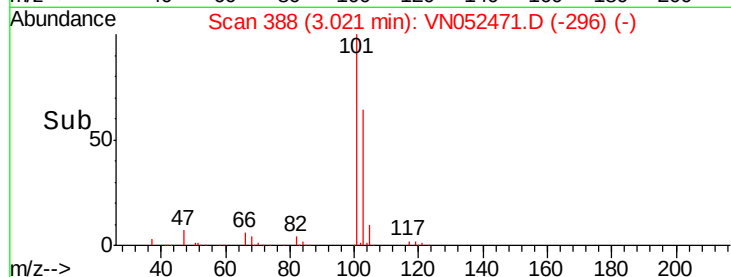
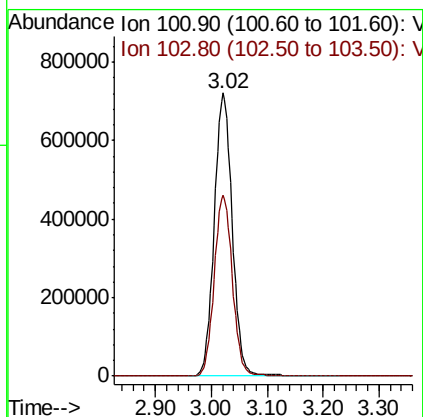
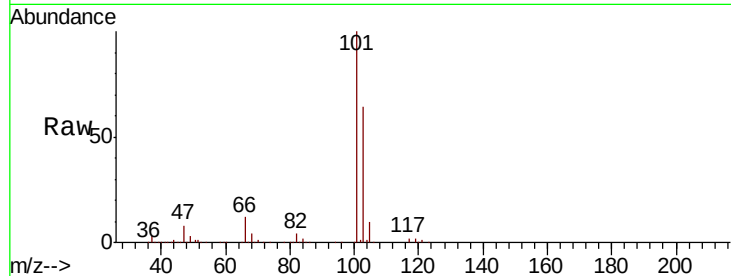
Trichlorofluoromethane
Concen: 98.759 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 1616761
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

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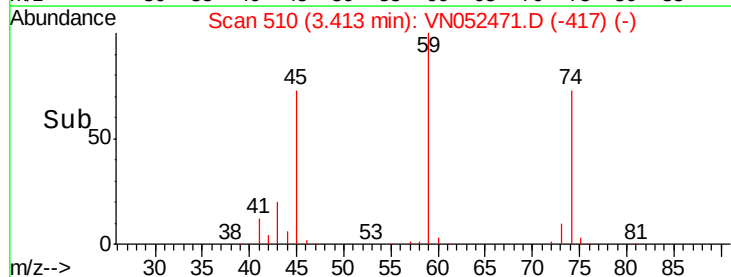
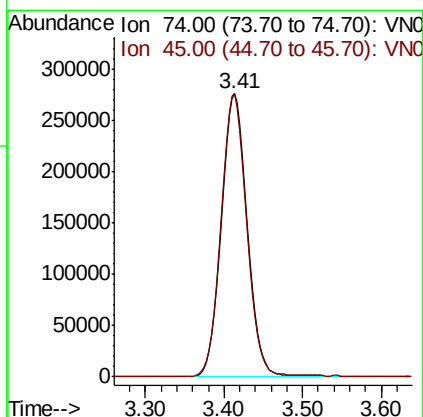
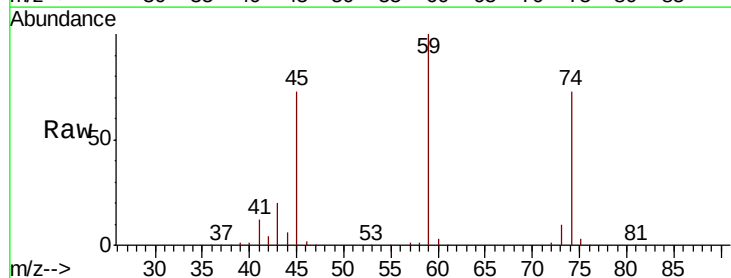
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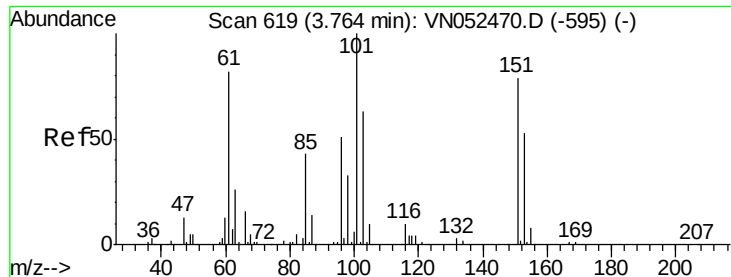


#8

Diethyl Ether
Concen: 103.465 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 74 Resp: 625500
Ion Ratio Lower Upper
74 100
45 98.5 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.037 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 1011680

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.4

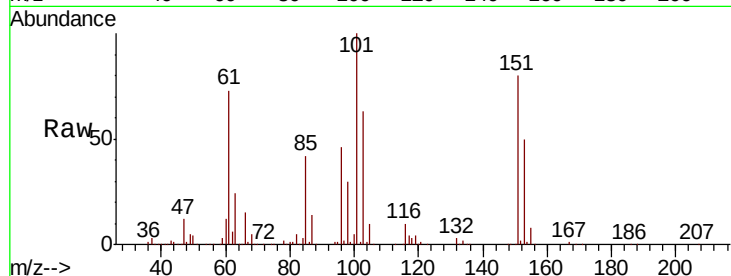
151 79.9 64.6 96.8

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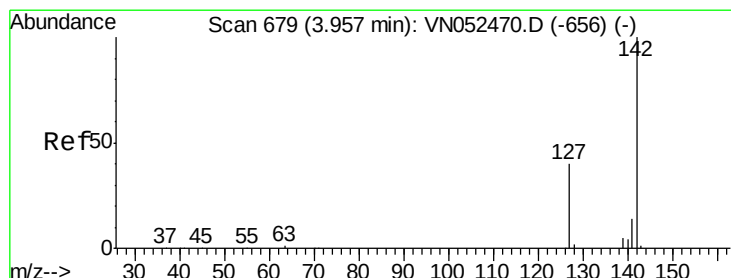
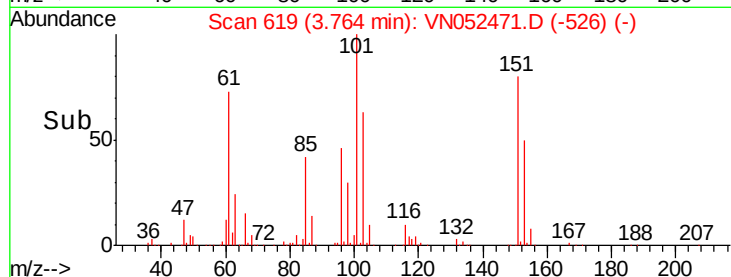
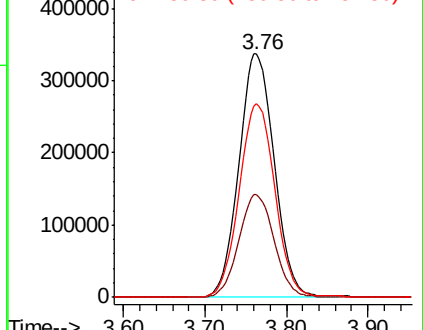
11/28/2018 9:33:36 AM



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: 109.050 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

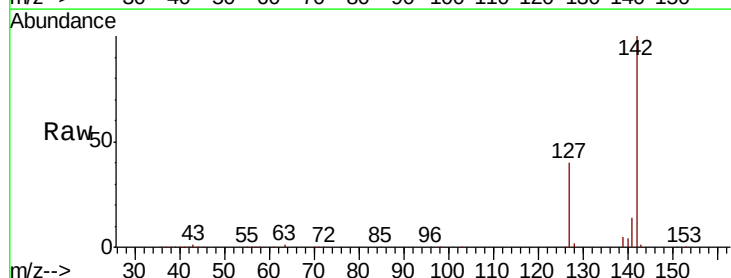
Tgt Ion:142 Resp: 1483677

Ion Ratio Lower Upper

142 100

127 39.9 31.8 47.6

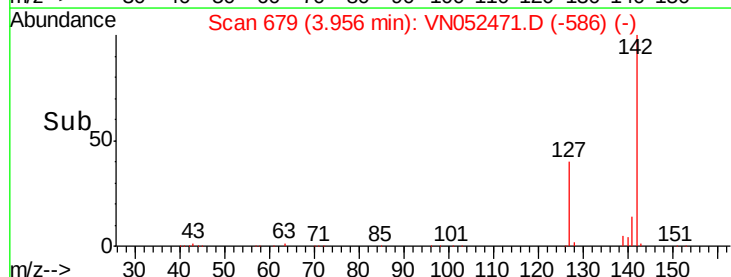
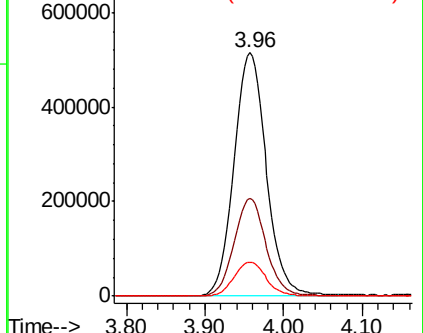
141 14.0 11.4 17.0

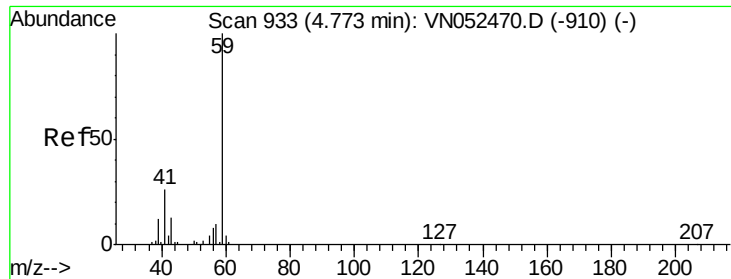


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

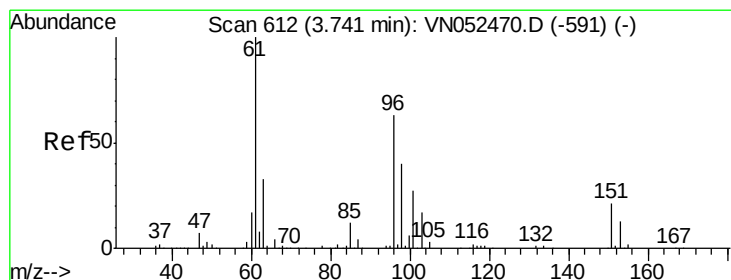
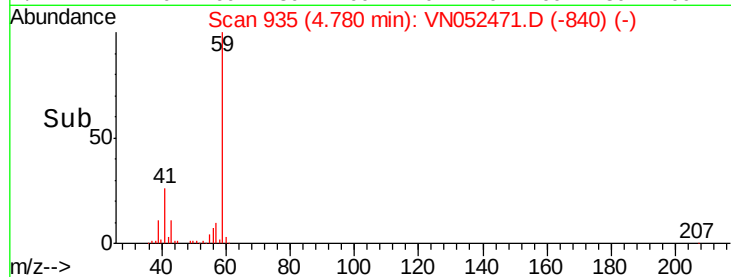
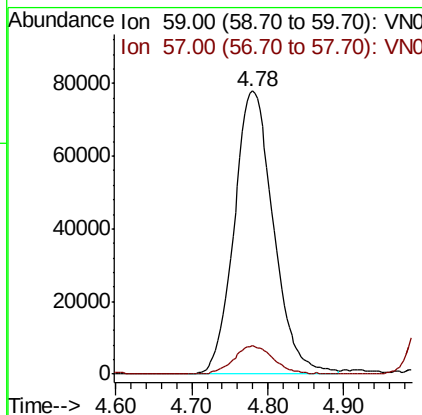
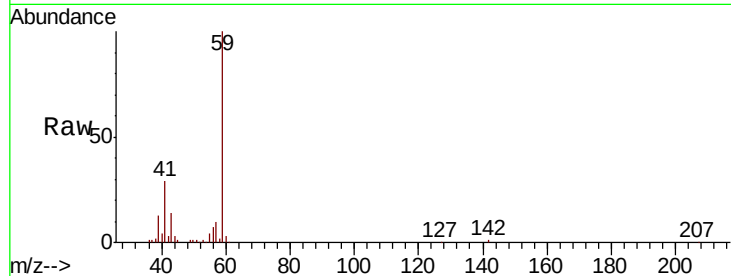
Tert butyl alcohol
Concen: 488.857 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 59 Resp: 279715
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9

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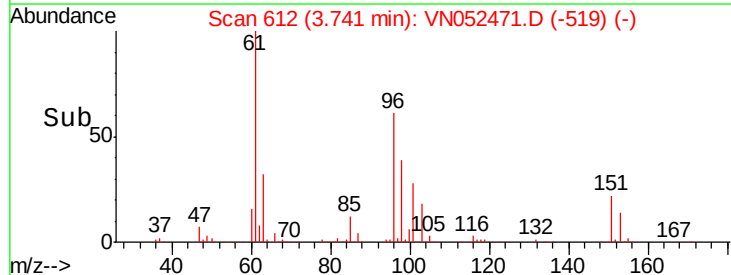
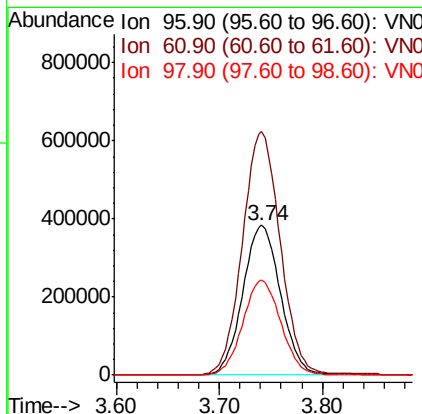
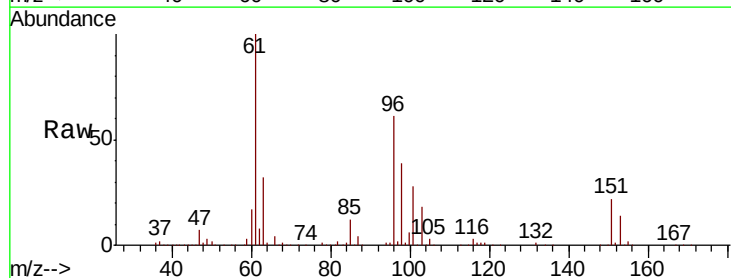
MMDadoda
11/28/2018 9:33:36 AM

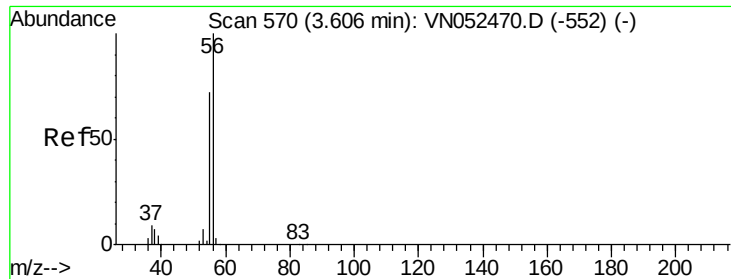


#12

1,1-Dichloroethene
Concen: 99.271 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 96 Resp: 976121
Ion Ratio Lower Upper
96 100
61 162.7 127.0 190.6
98 63.8 50.3 75.5





#13

Acrolein

Concen: 568.095 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 511356

Ion Ratio Lower Upper

56 100

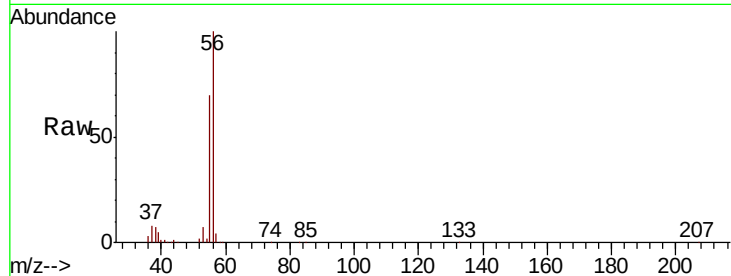
55 69.5 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

200000

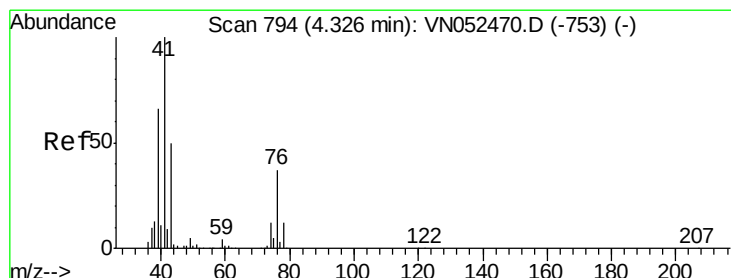
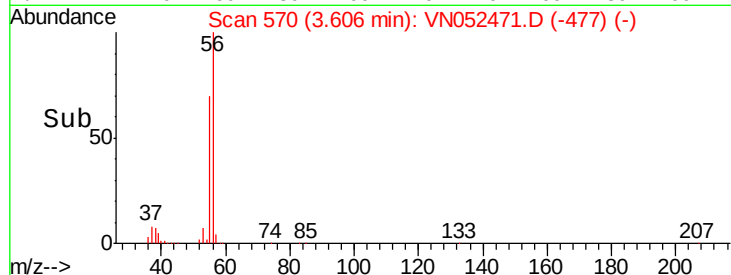
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 99.269 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

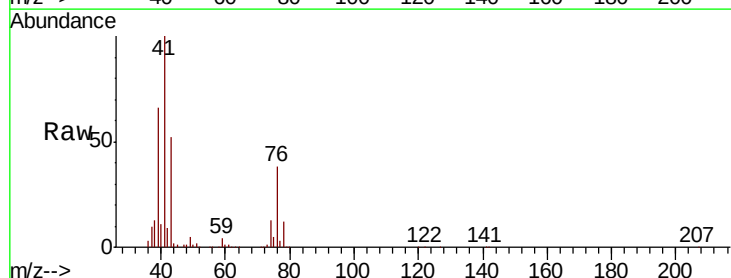
Tgt Ion: 41 Resp: 1682323

Ion Ratio Lower Upper

41 100

39 66.9 50.6 76.0

76 37.5 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

800000

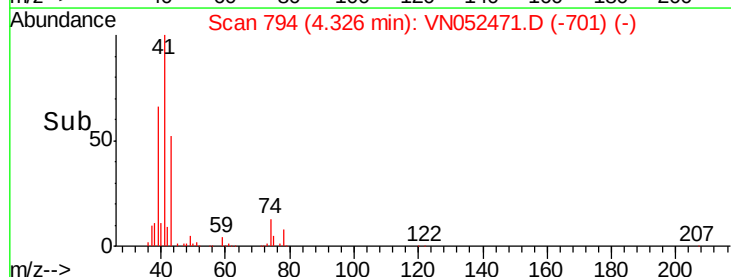
600000

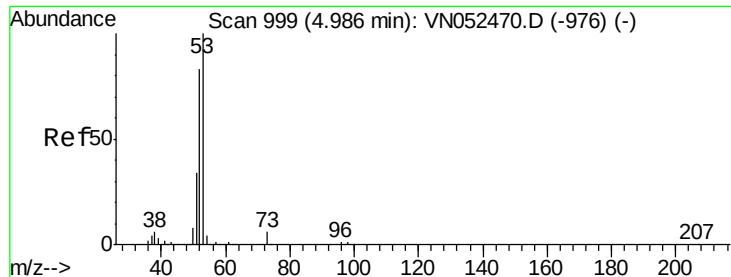
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 523.736 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1896965

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.2

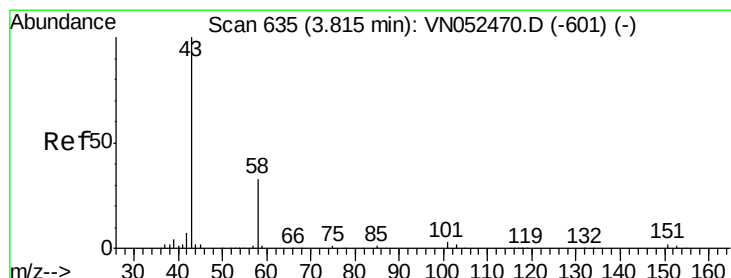
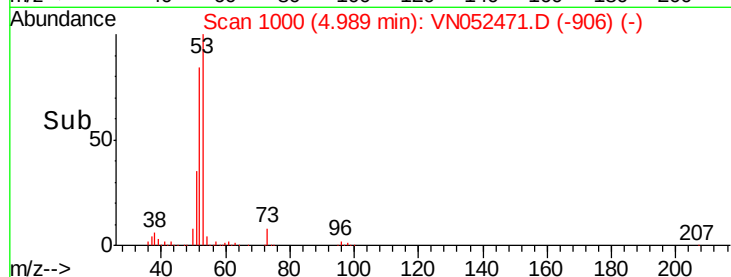
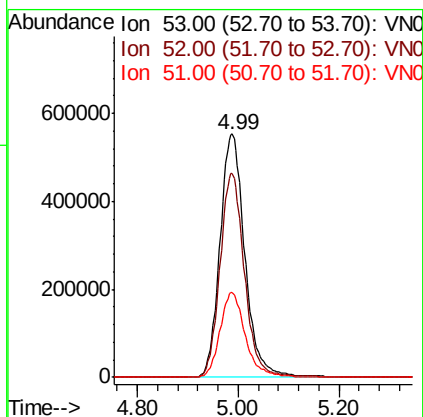
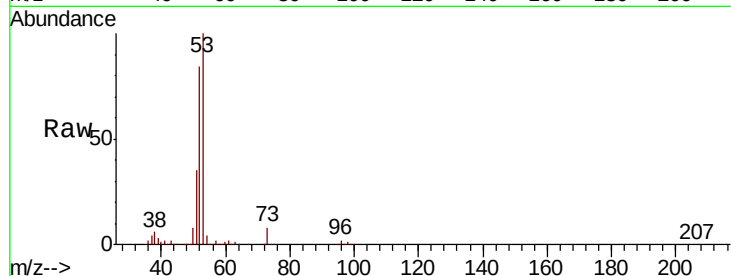
51 35.6 28.1 42.1

Manual Integrations

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#16

Acetone

Concen: 472.839 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052471.D

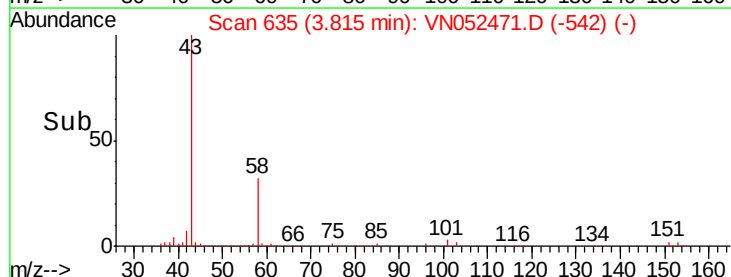
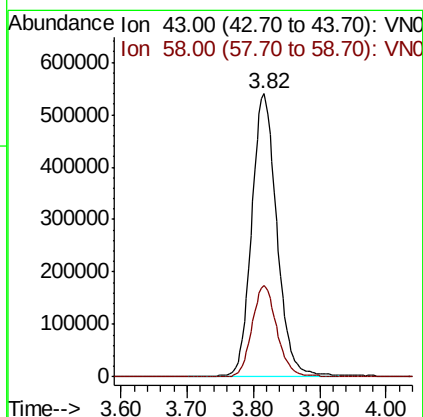
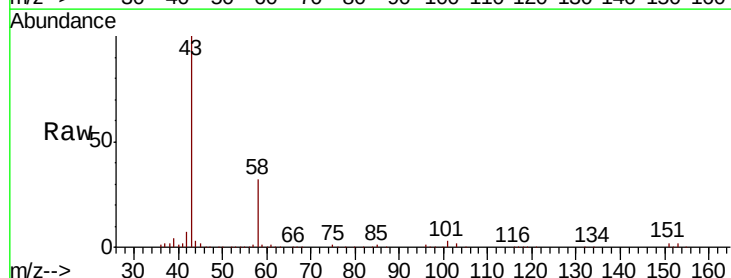
Acq: 27 Nov 2018 10:58

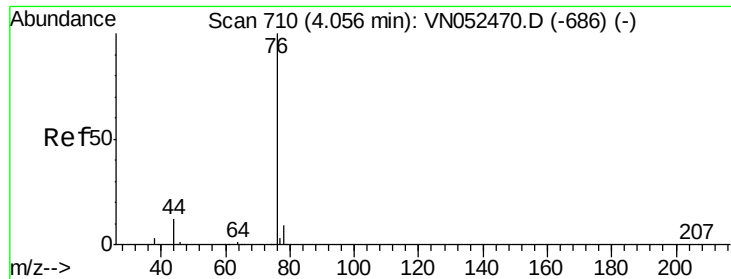
Tgt Ion: 43 Resp: 1425415

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0





#17

Carbon Disulfide

Concen: 99.738 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 3086282

Ion Ratio Lower Upper

76 100

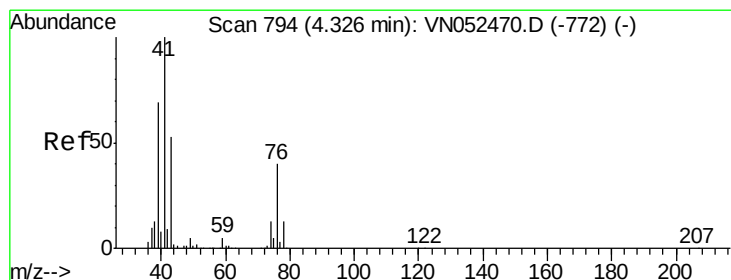
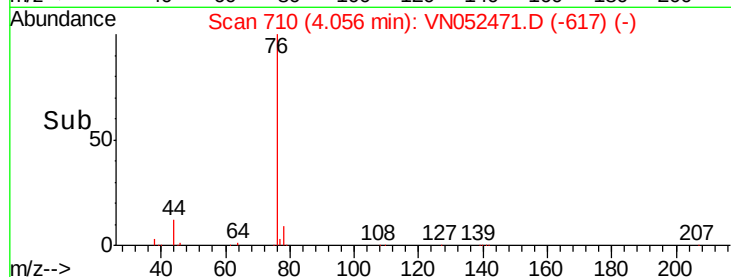
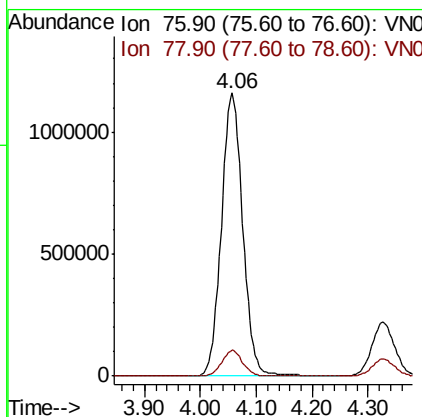
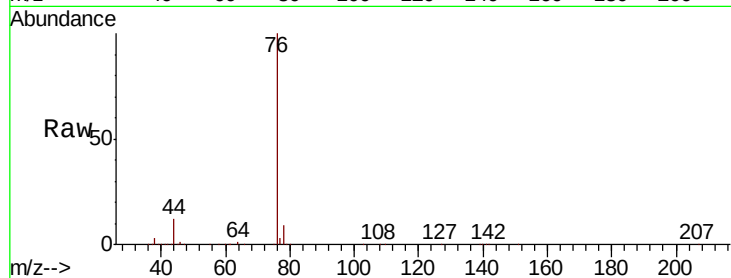
78 9.2 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 102.804 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052471.D

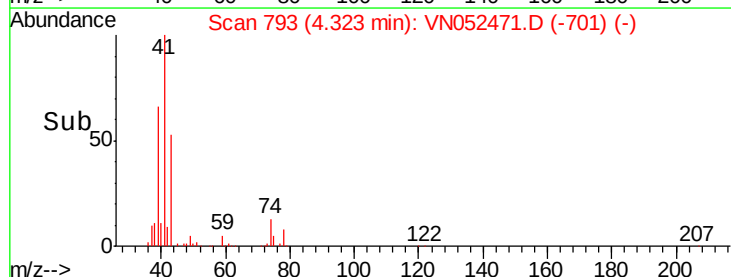
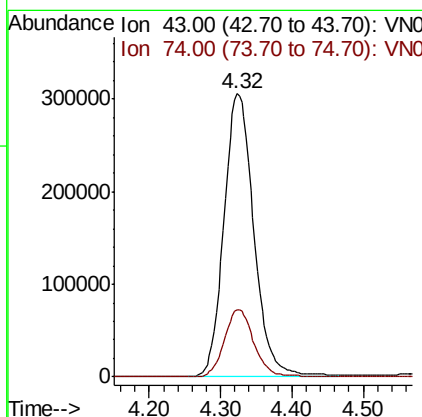
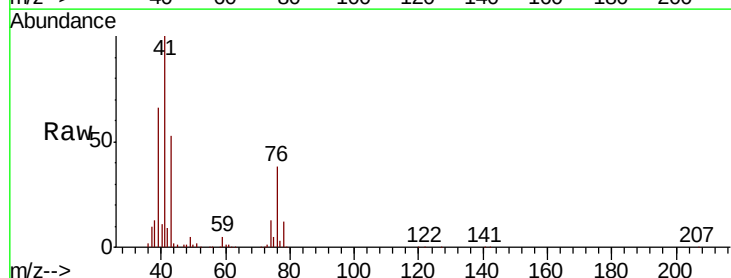
Acq: 27 Nov 2018 10:58

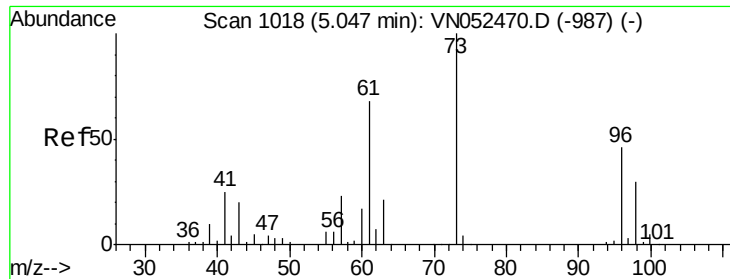
Tgt Ion: 43 Resp: 888973

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8





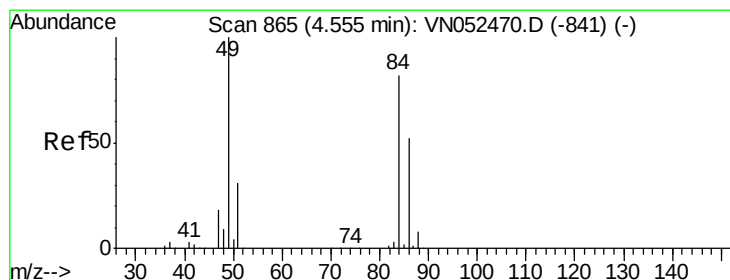
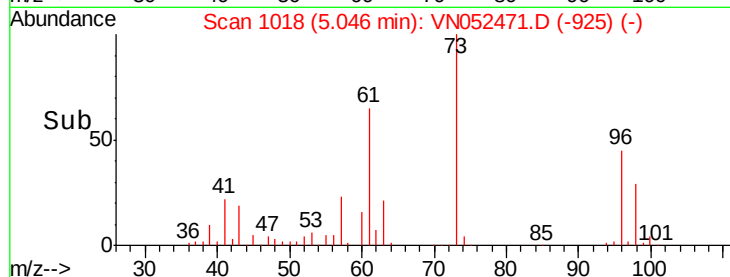
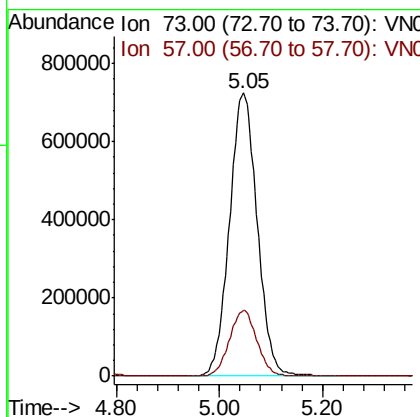
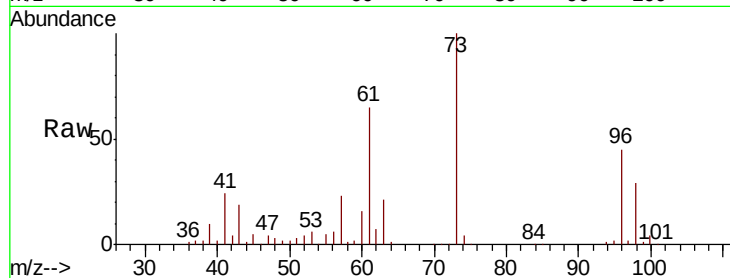
#19
Methyl tert-butyl Ether
Concen: 103.647 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 2711598
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.2

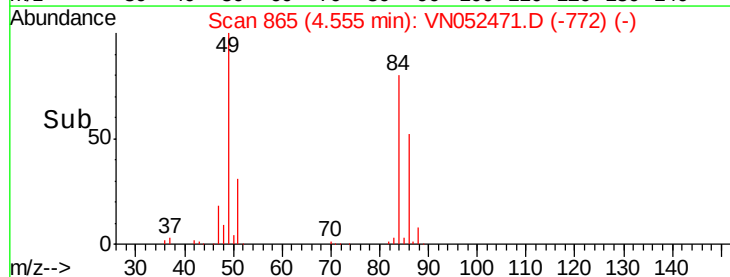
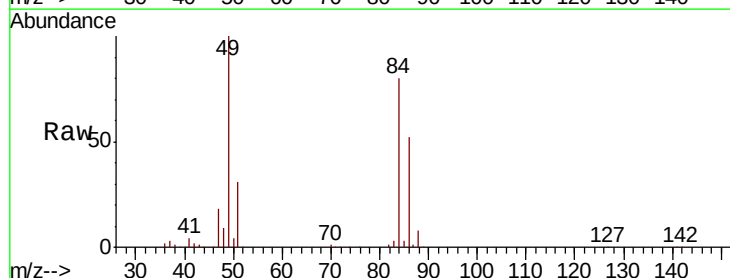
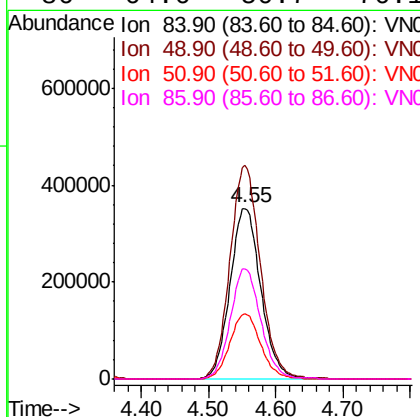
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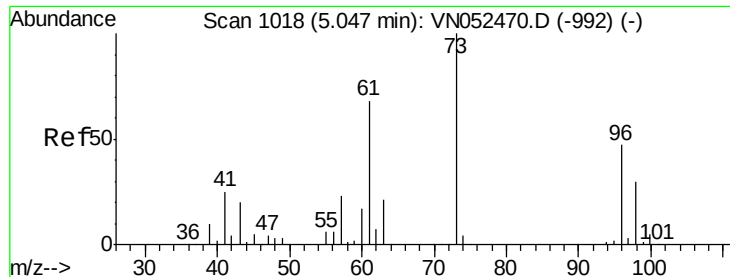
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#20
Methylene Chloride
Concen: 94.984 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 84 Resp: 1120500
Ion Ratio Lower Upper
84 100
49 125.1 98.0 147.0
51 38.2 30.1 45.1
86 64.6 50.7 76.1





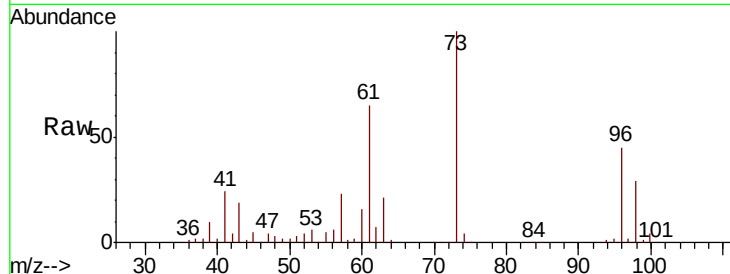
#21
trans-1,2-Dichloroethene
Concen: 100.715 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

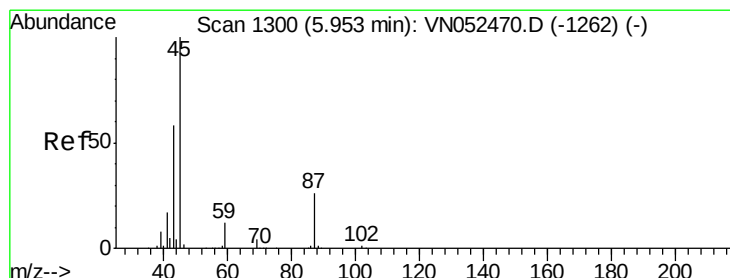
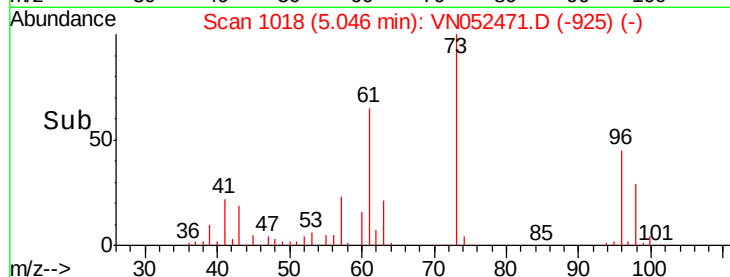
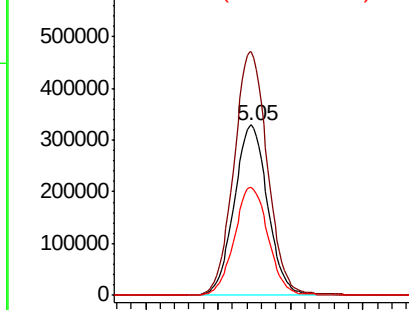
Tgt Ion: 96 Resp: 1057680
Ion Ratio Lower Upper
96 100
61 142.8 117.0 175.4
98 63.2 51.8 77.6

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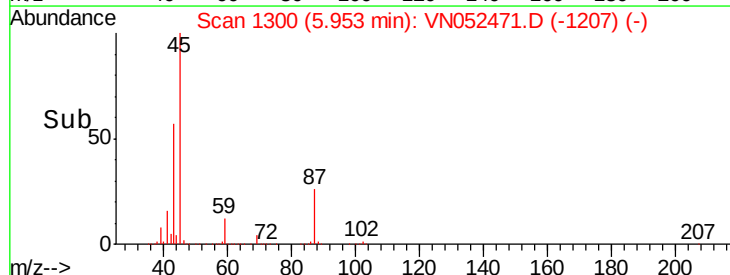
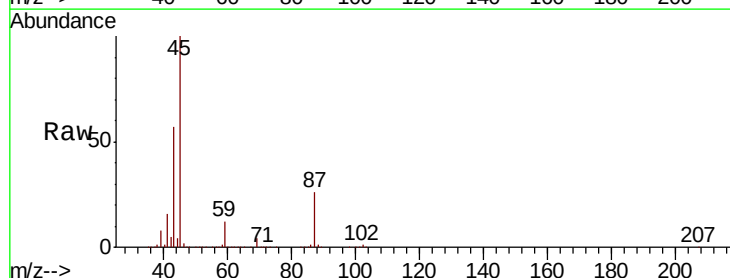
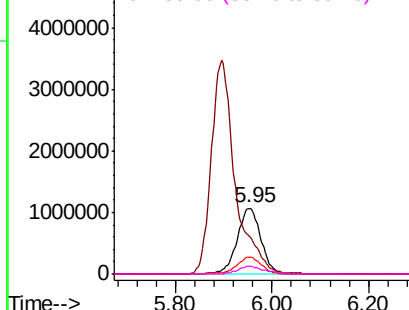
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

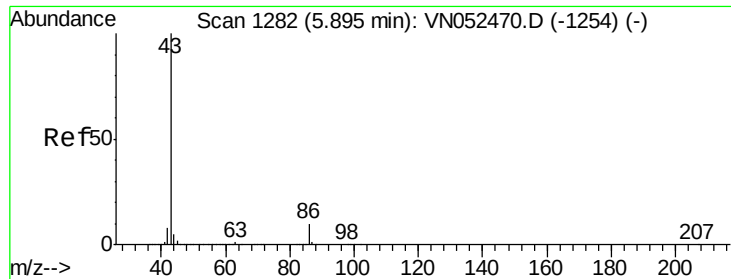


#22
Diisopropyl ether
Concen: 102.149 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 45 Resp: 3636264
Ion Ratio Lower Upper
45 100
43 56.7 46.1 69.1
87 26.2 21.3 31.9
59 11.7 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





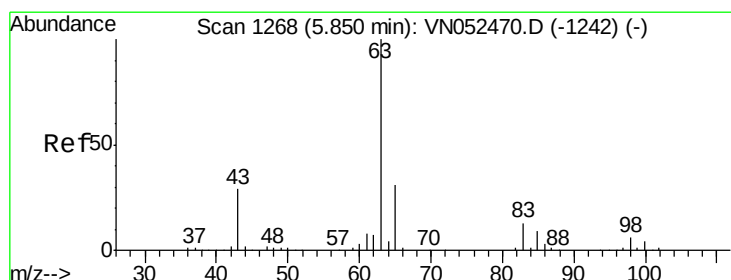
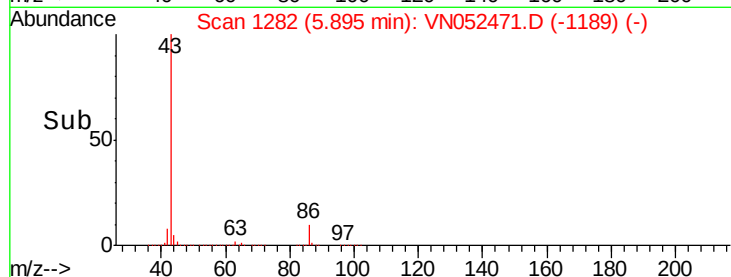
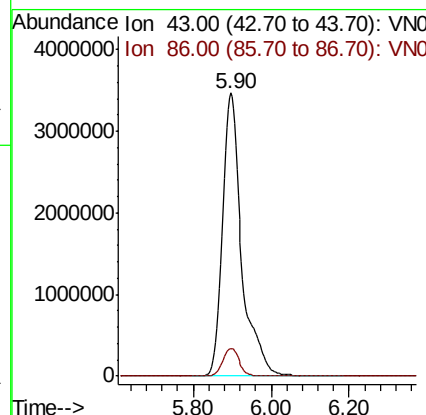
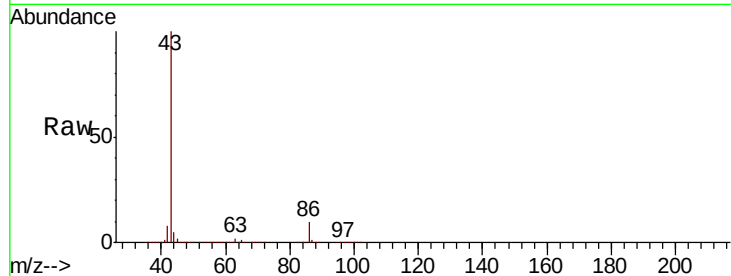
#23
 Vinyl Acetate
 Concen: 539.512 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp:11962172
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.8 11.8

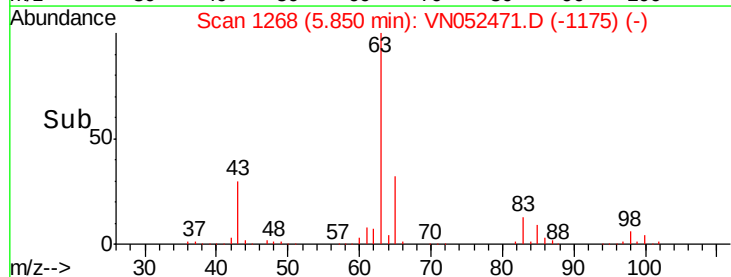
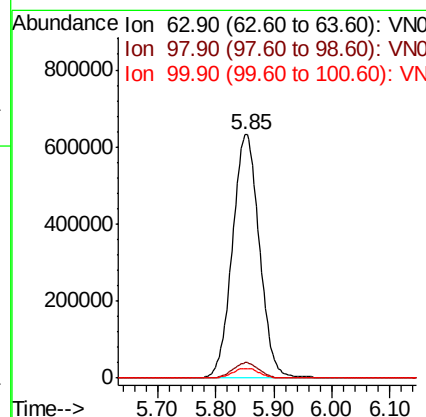
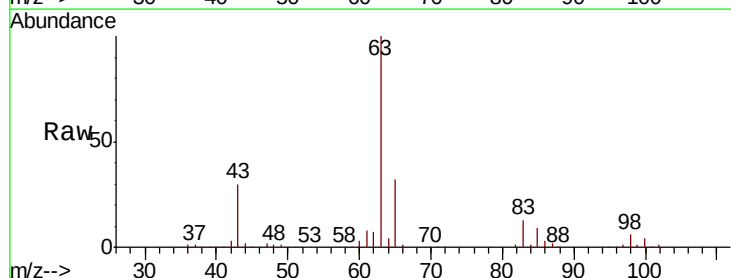
Manual Integrations
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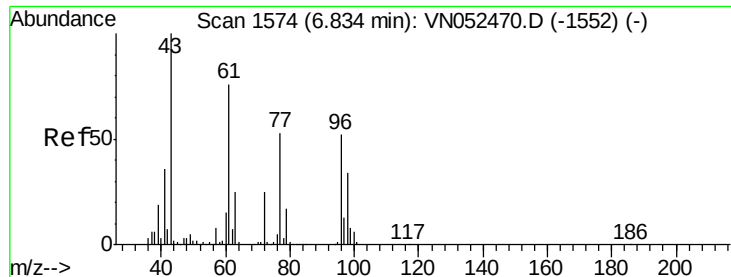
MMDadoda
 11/28/2018 9:33:36 AM



#24
 1,1-Dichloroethane
 Concen: 100.845 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion: 63 Resp: 2049696
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 511.690 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2186383

Ion Ratio Lower Upper

43 100

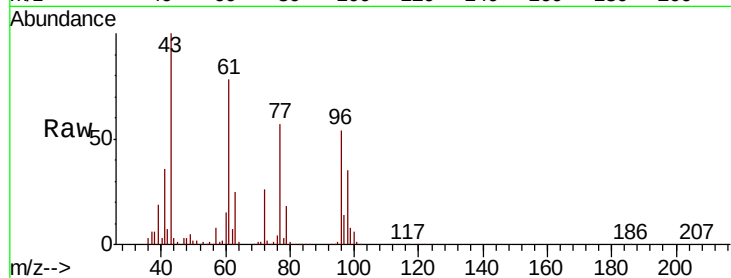
72 25.8 20.1 30.1

Manual Integrations

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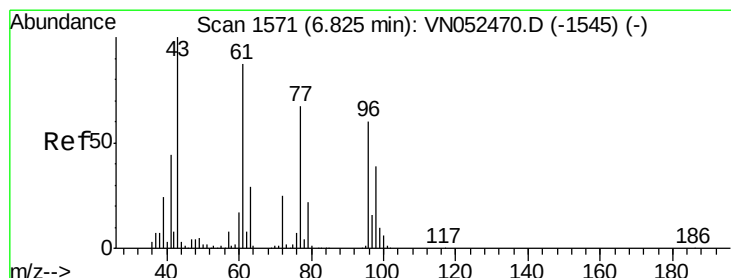
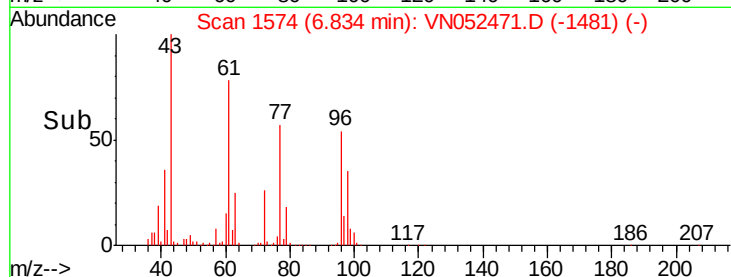
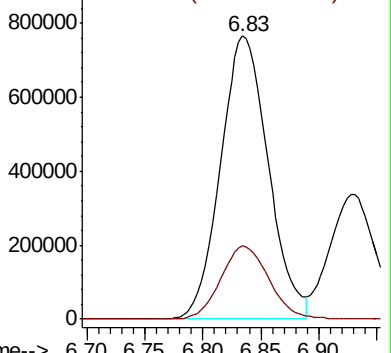
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 103.155 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052471.D

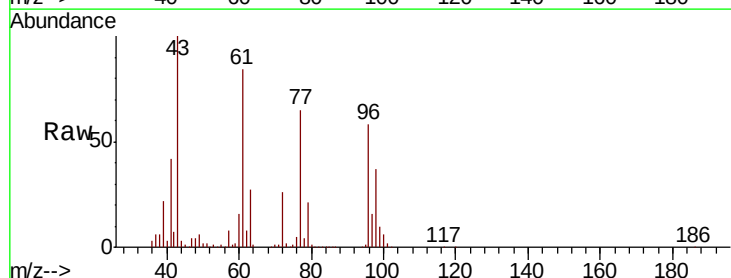
Acq: 27 Nov 2018 10:58

Tgt Ion: 77 Resp: 1451213

Ion Ratio Lower Upper

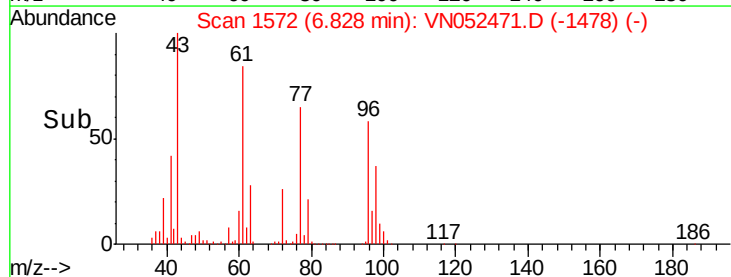
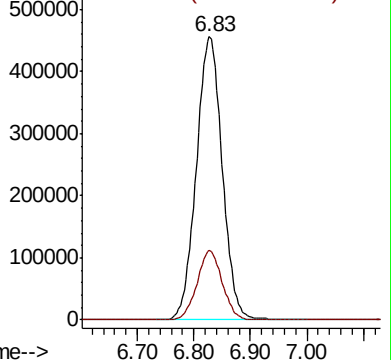
77 100

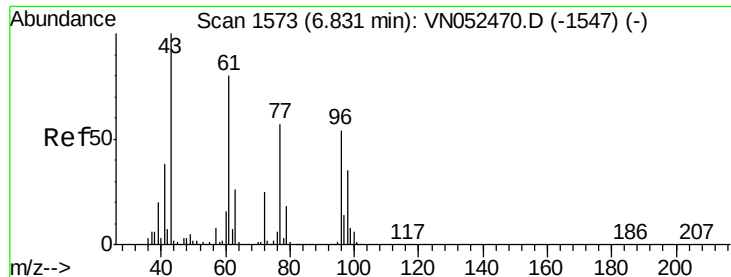
97 23.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 99.832 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 1221262

Ion Ratio Lower Upper

96 100

61 146.1 0.0 291.0

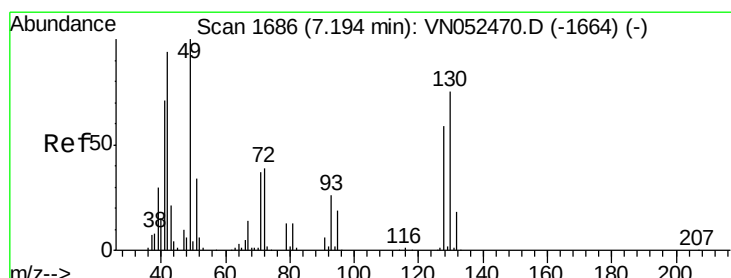
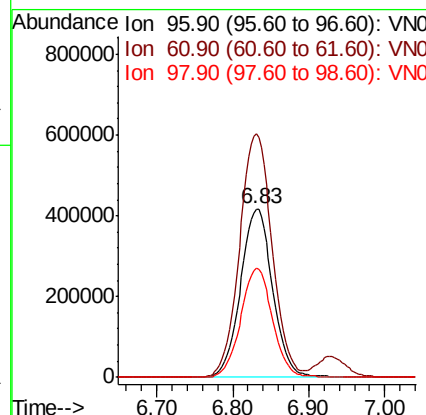
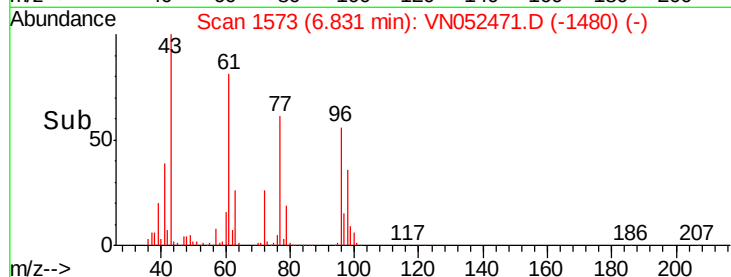
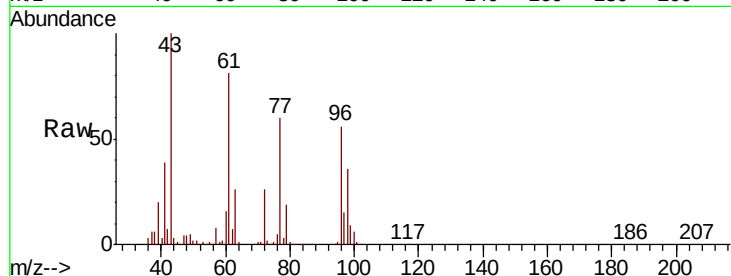
98 64.2 0.0 130.0

Manual Integrations

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#28

Bromochloromethane

Concen: 102.662 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

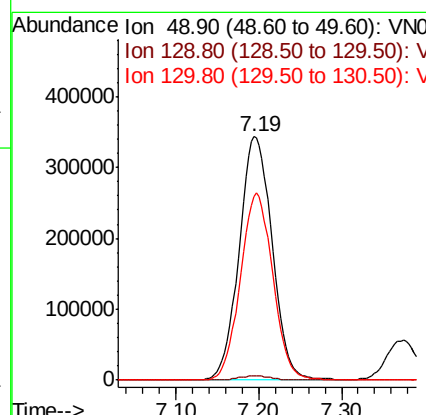
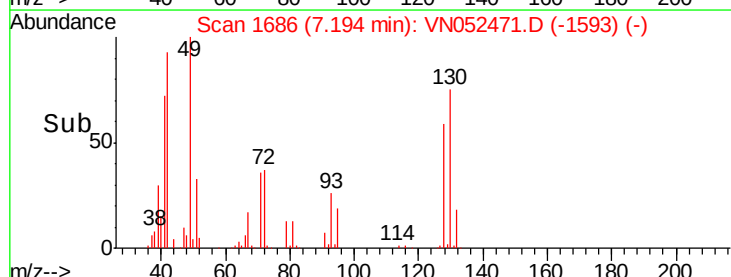
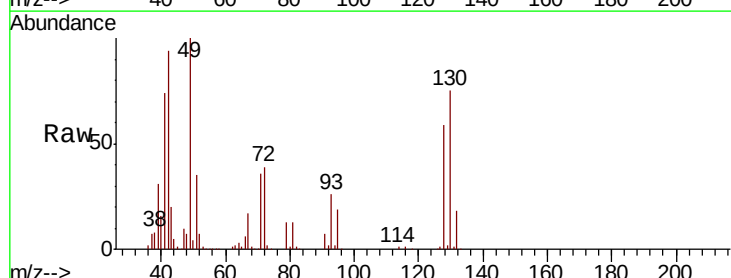
Tgt Ion: 49 Resp: 953059

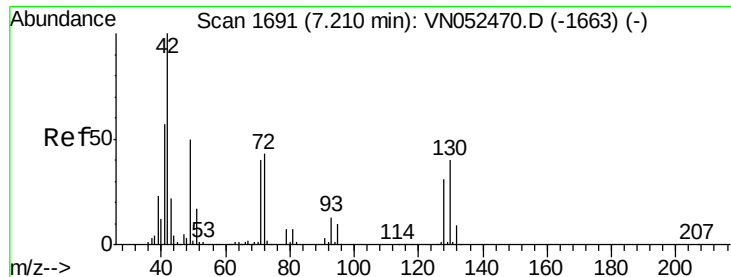
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 75.6 60.2 90.2





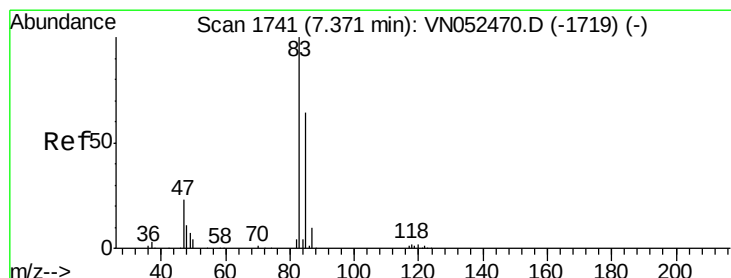
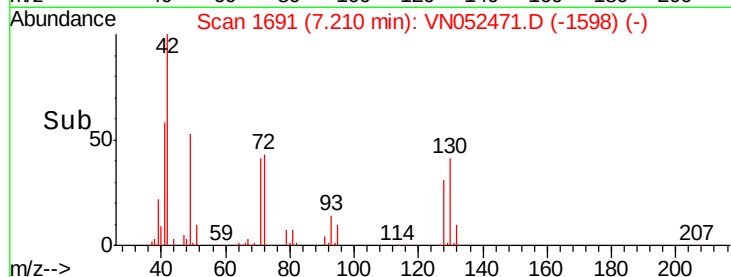
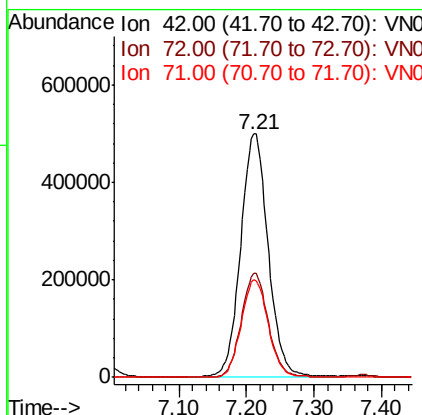
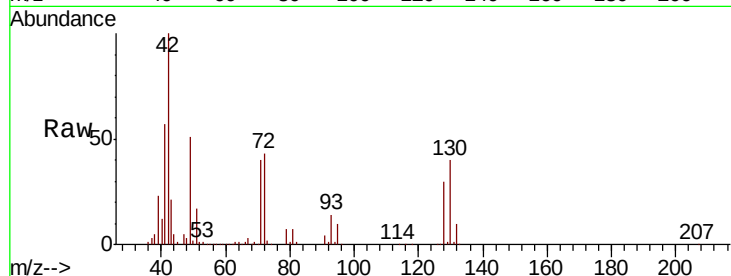
#29
Tetrahydrofuran
Concen: 514.815 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 1418818
Ion Ratio Lower Upper
42 100
72 42.1 33.3 49.9
71 39.7 32.0 48.0

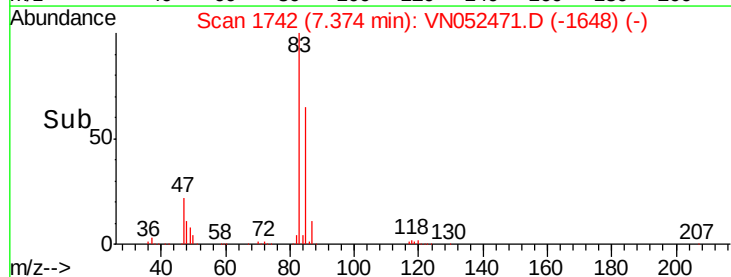
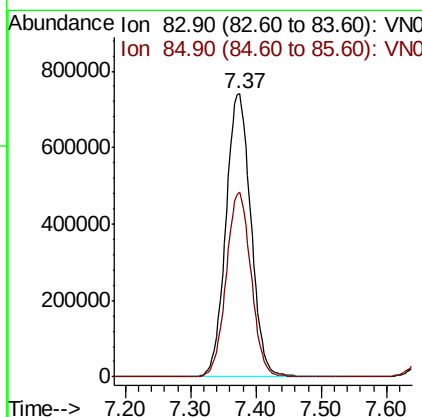
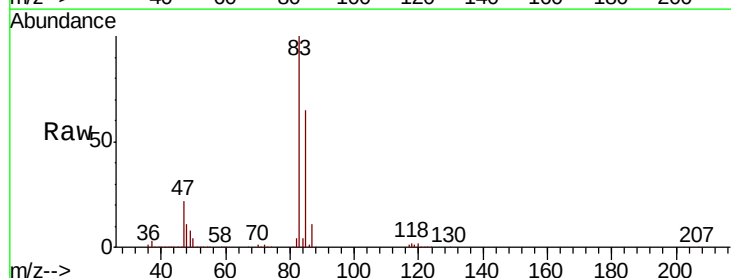
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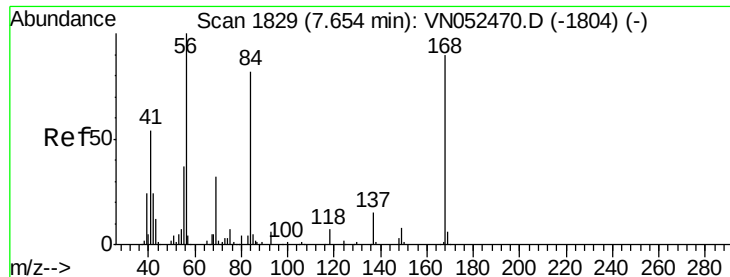
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#30
Chloroform
Concen: 96.752 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 83 Resp: 1961974
Ion Ratio Lower Upper
83 100
85 65.1 51.0 76.4





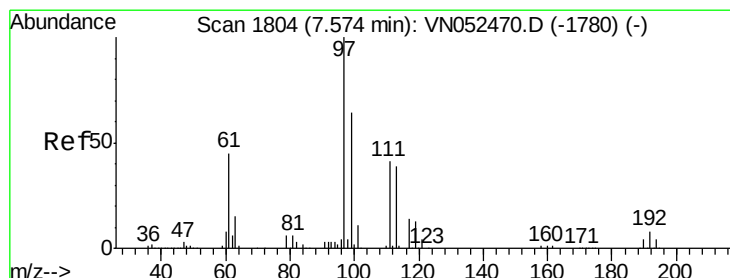
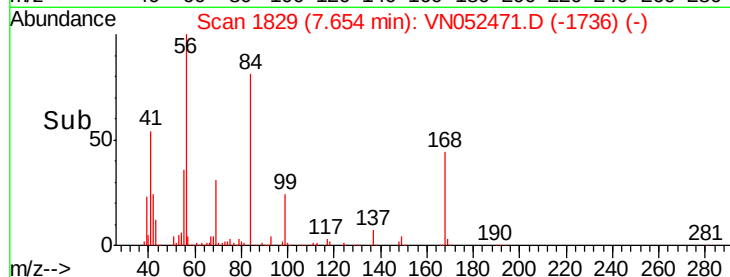
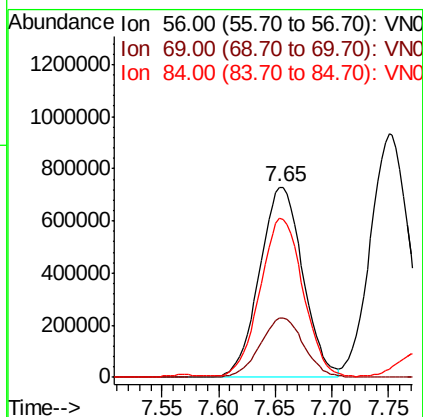
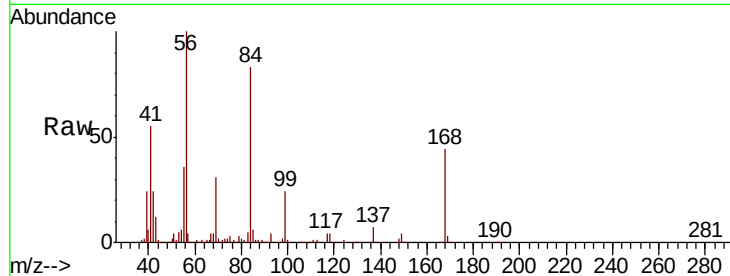
#31
Cyclohexane
Concen: 85.295 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 1939566
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.6
84 82.0 65.3 97.9

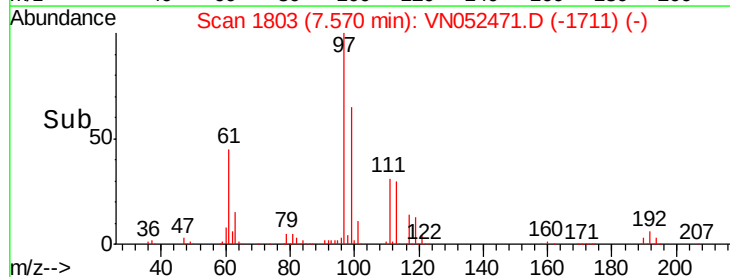
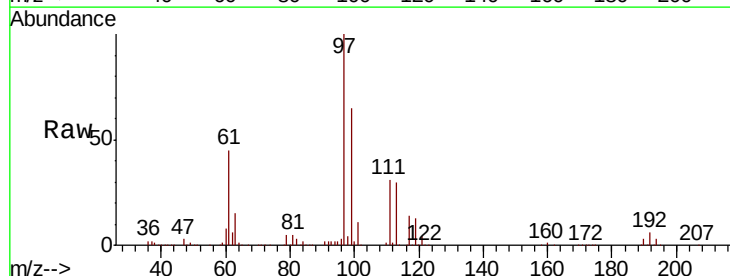
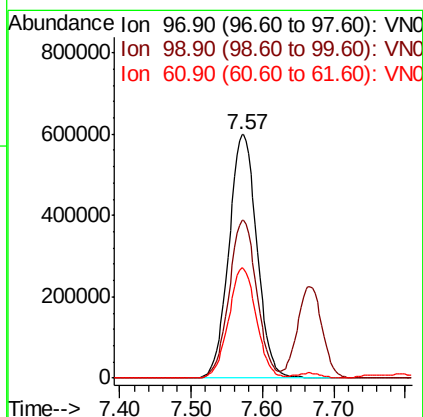
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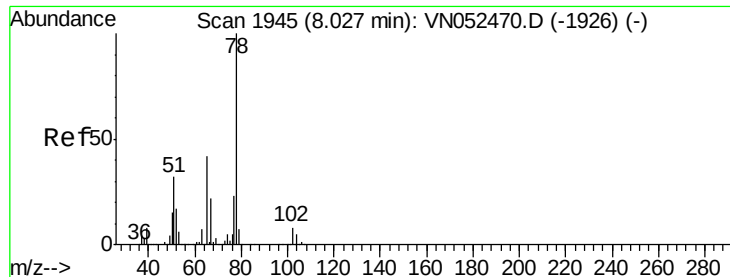
MMDadoda
11/28/2018 9:33:36 AM



#32
1,1,1-Trichloroethane
Concen: 101.804 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 97 Resp: 1635637
Ion Ratio Lower Upper
97 100
99 64.5 51.7 77.5
61 45.0 36.8 55.2





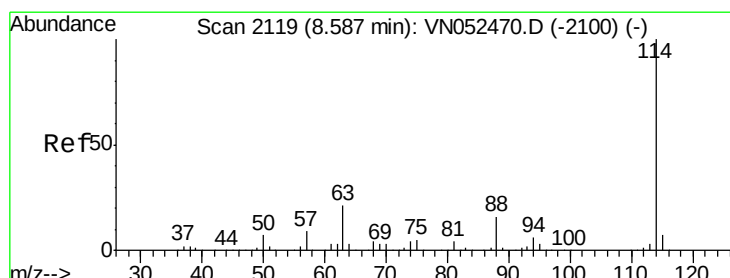
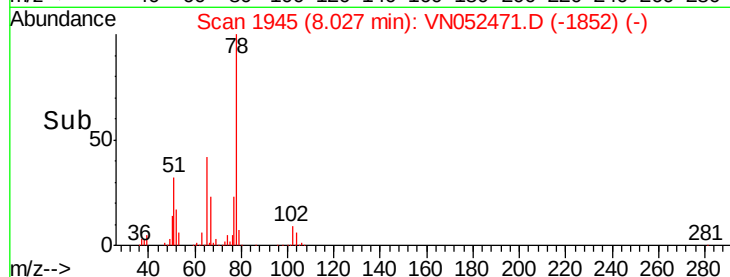
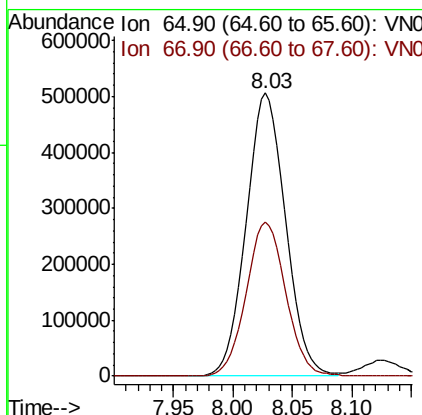
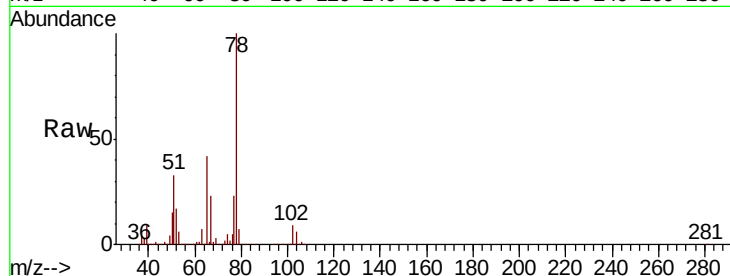
#33
 1,2-Dichloroethane-d4
 Concen: 101.804 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 1161418
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8

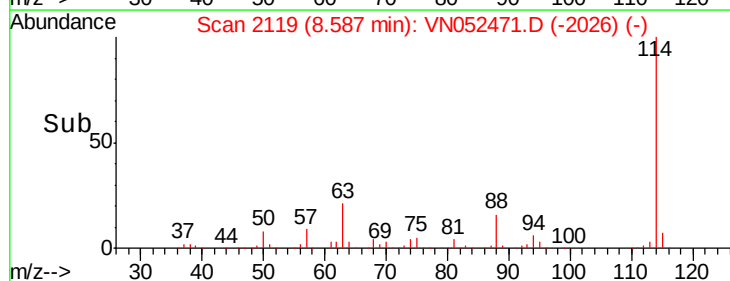
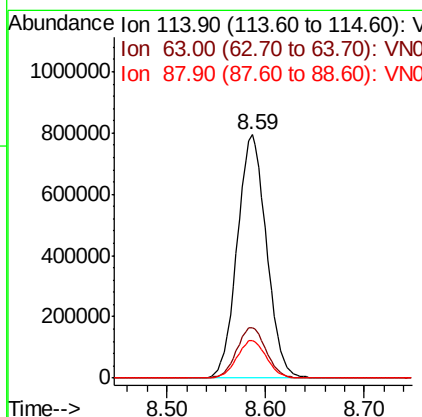
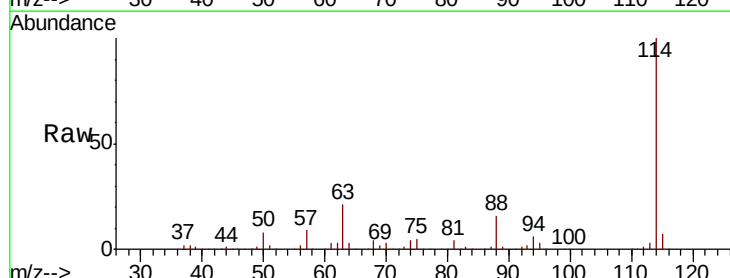
Manual Integrations
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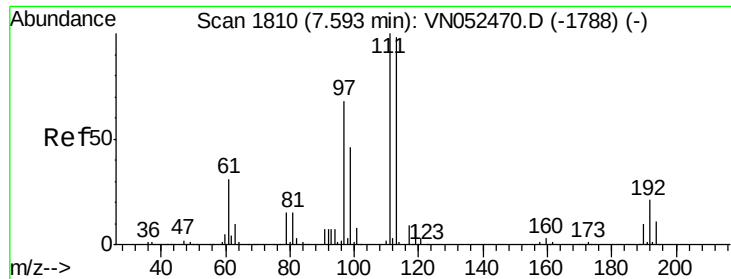
MMDadoda
 11/28/2018 9:33:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion: 114 Resp: 1630902
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.8
 88 15.6 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: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 1028761

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

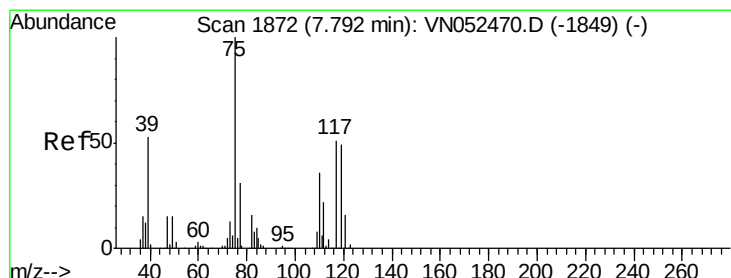
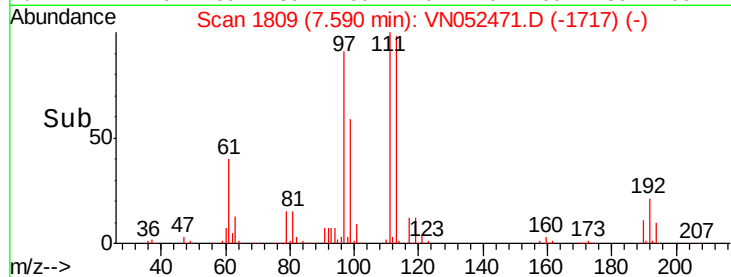
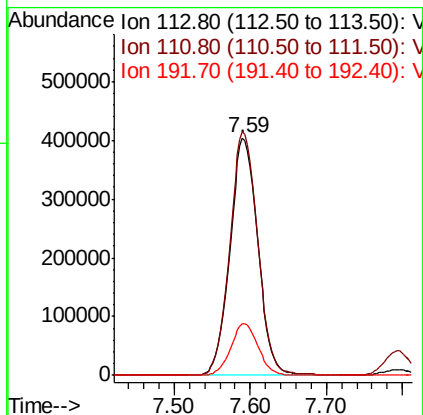
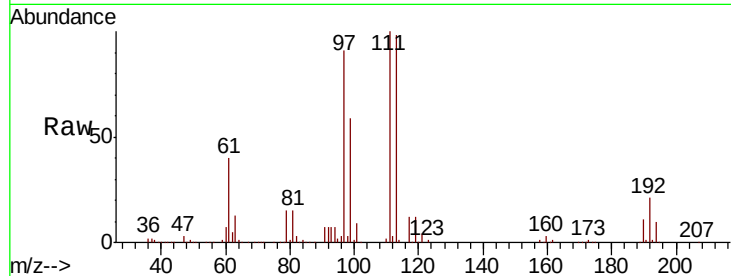
192 21.6 17.0 25.6

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#36

1,1-Dichloropropene

Concen: 101.966 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

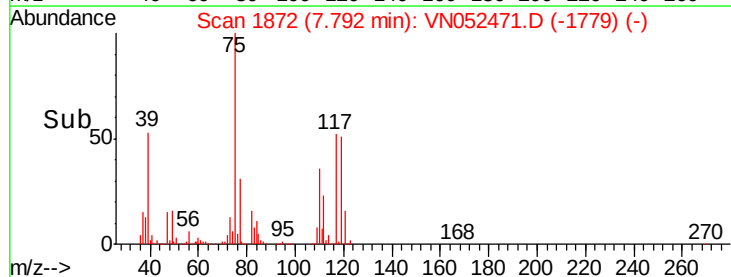
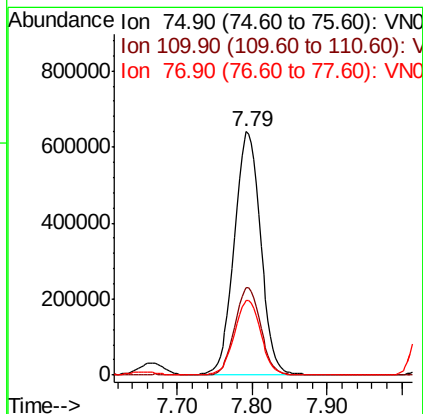
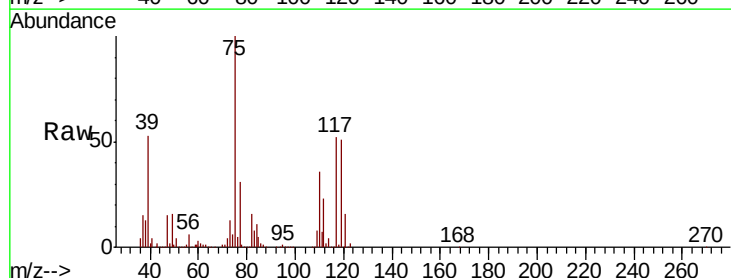
Tgt Ion: 75 Resp: 1570382

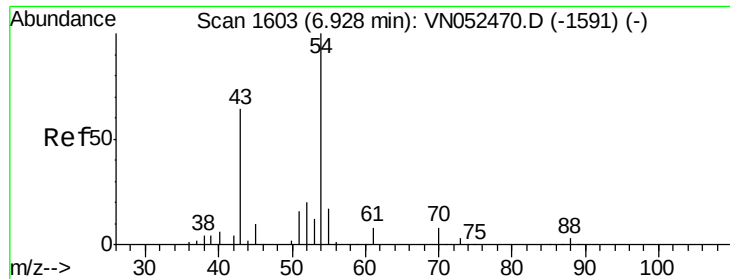
Ion Ratio Lower Upper

75 100

110 35.5 17.5 52.6

77 30.8 24.5 36.7





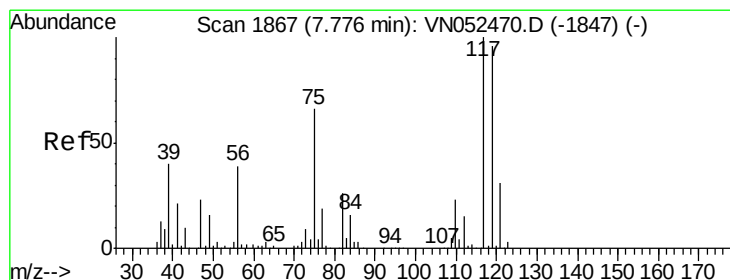
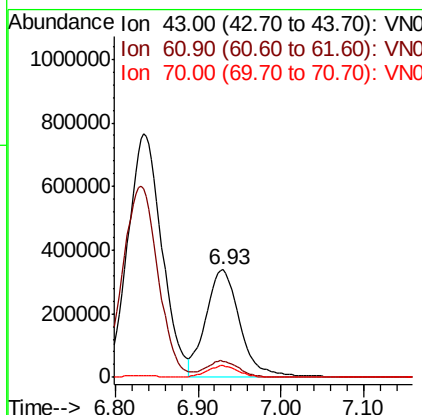
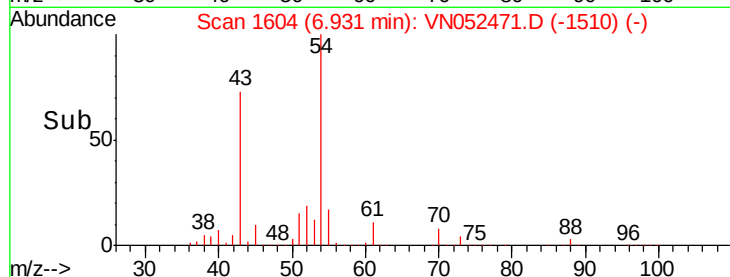
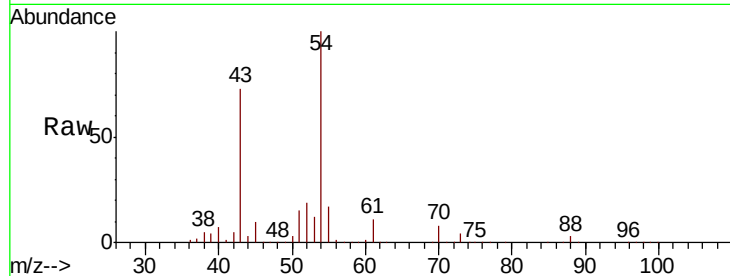
#37
Ethyl Acetate
Concen: 102.393 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	9.9	7.8	11.8

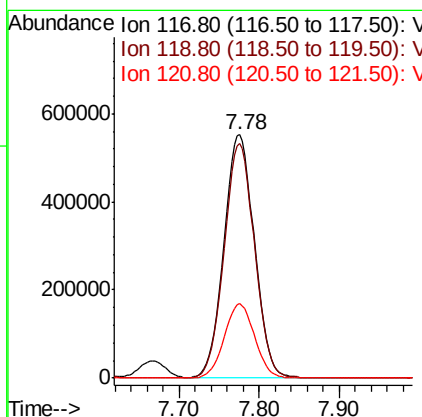
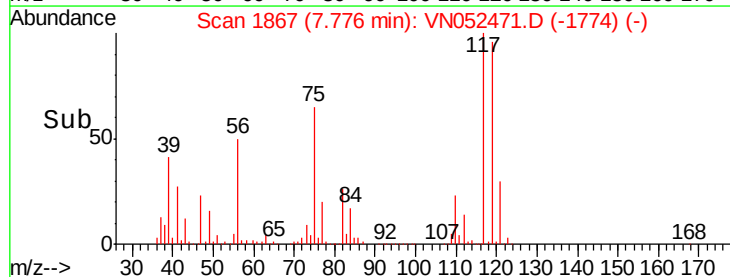
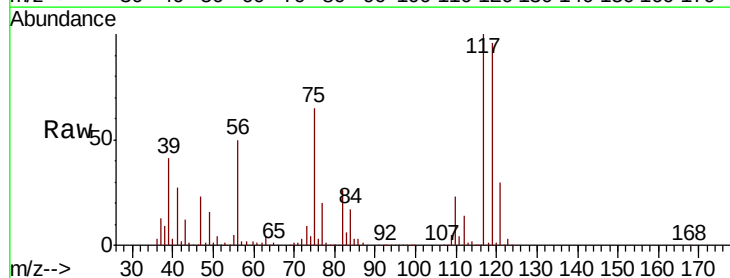
Manual Integrations
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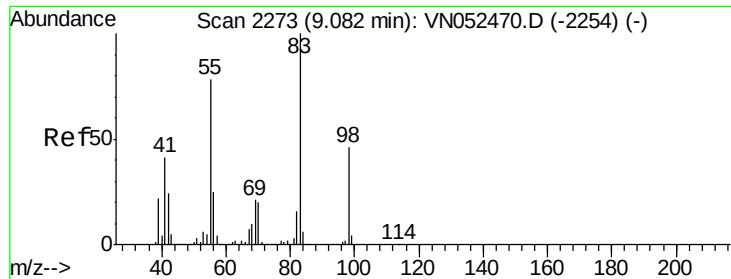
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#38
Carbon Tetrachloride
Concen: 102.830 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.8	115.2
121	30.4	24.9	37.3





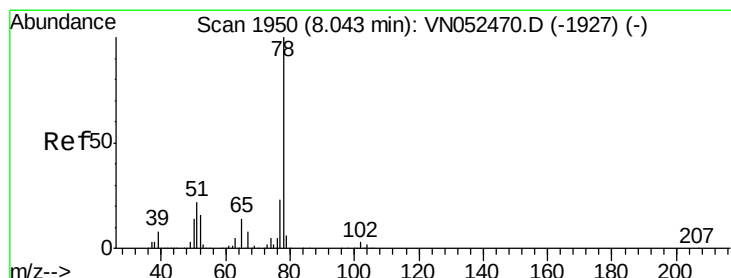
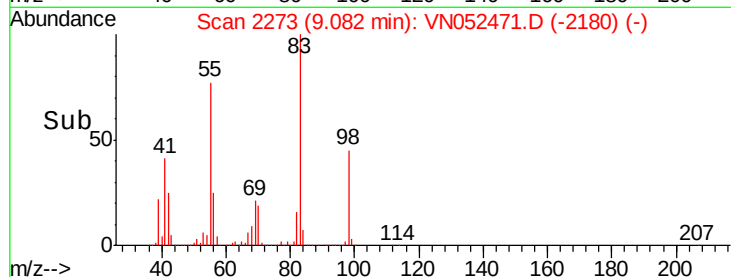
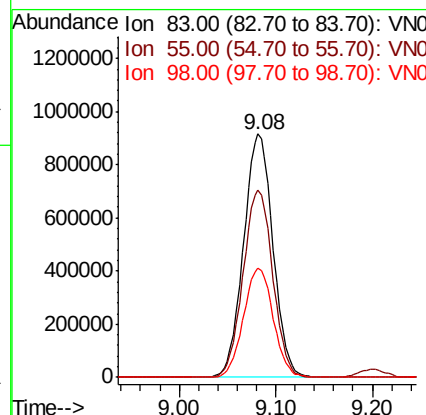
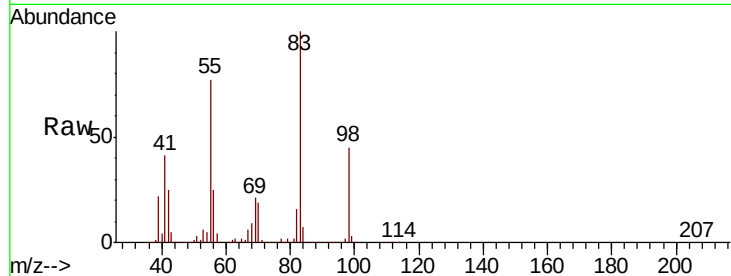
#39
Methylcyclohexane
Concen: 103.200 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 1931839
Ion Ratio Lower Upper
83 100
55 77.0 62.2 93.2
98 44.8 36.4 54.6

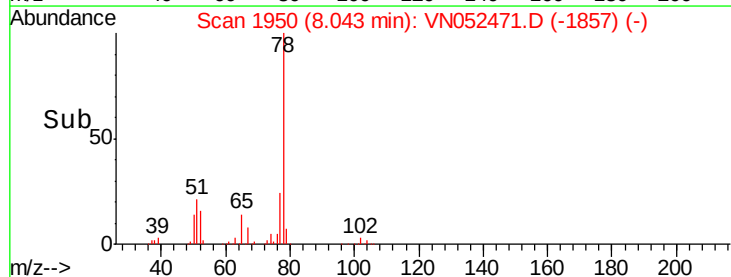
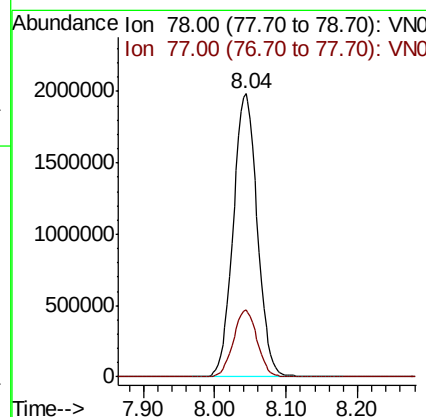
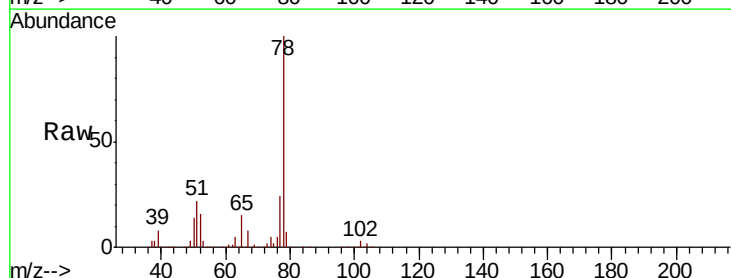
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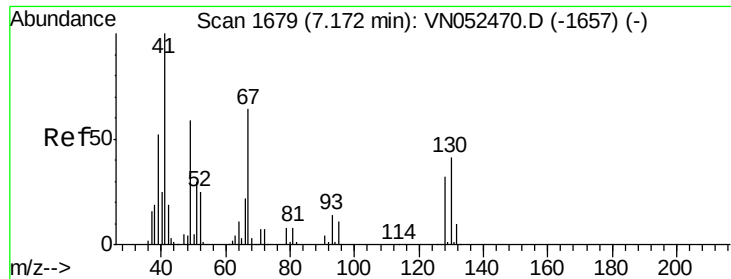
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#40
Benzene
Concen: 101.773 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 78 Resp: 4671181
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





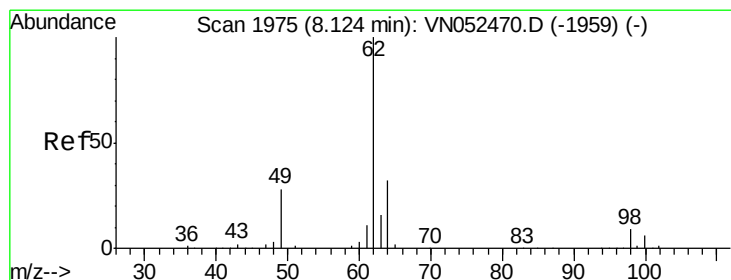
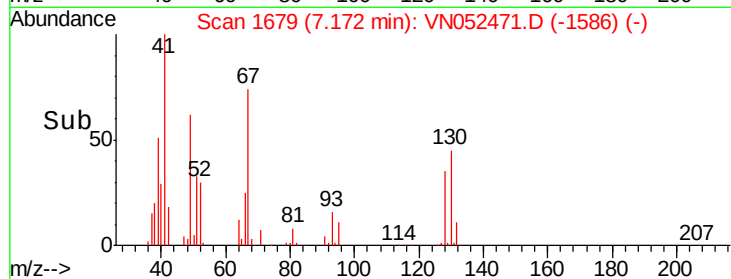
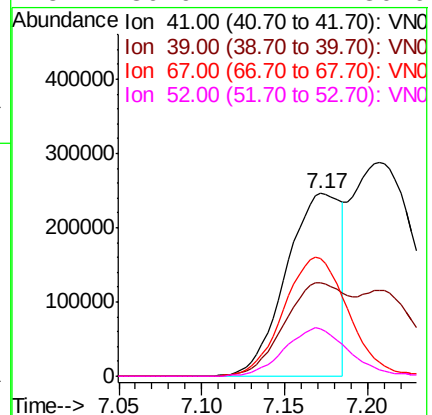
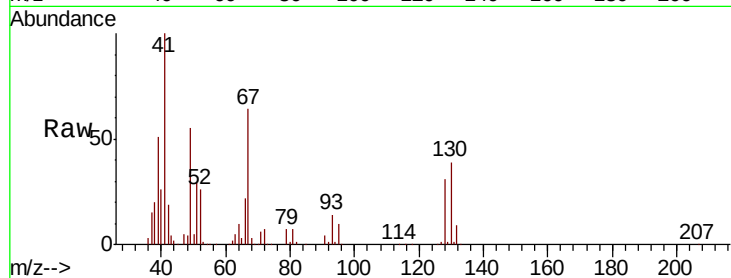
#41
Methacrylonitrile
Concen: 109.448 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.1	50.9	76.3
67	78.2	63.6	95.4
52	30.9	24.4	36.6

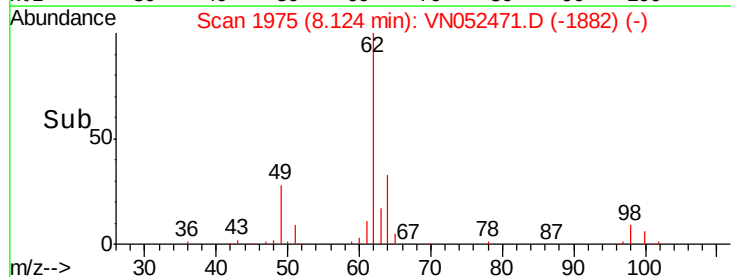
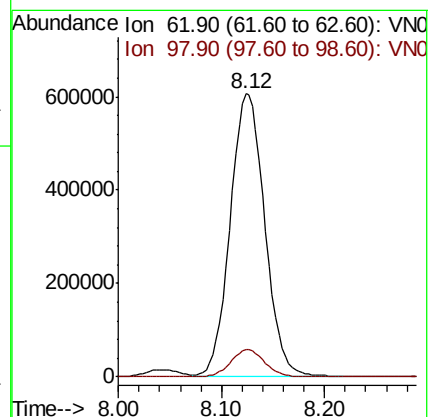
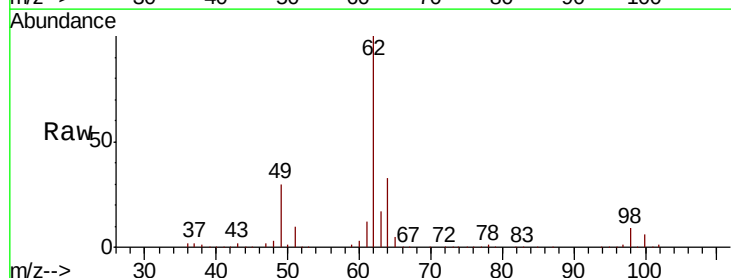
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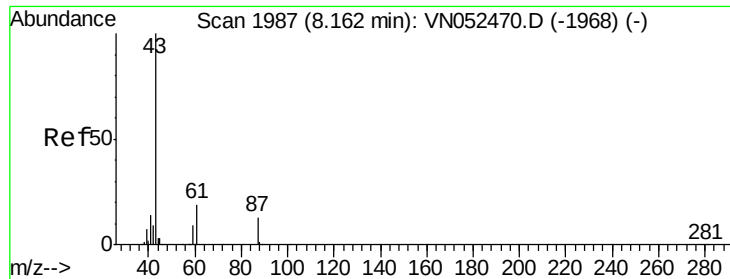
MMDadoda
11/28/2018 9:33:36 AM



#42
1,2-Dichloroethane
Concen: 101.385 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





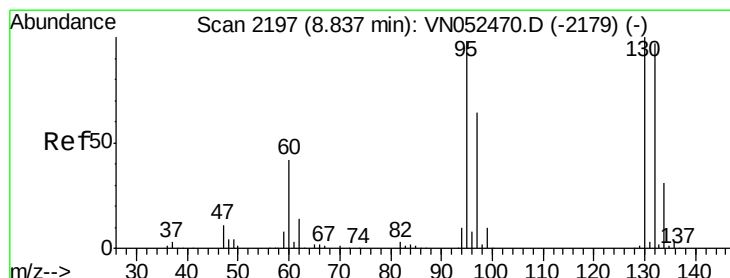
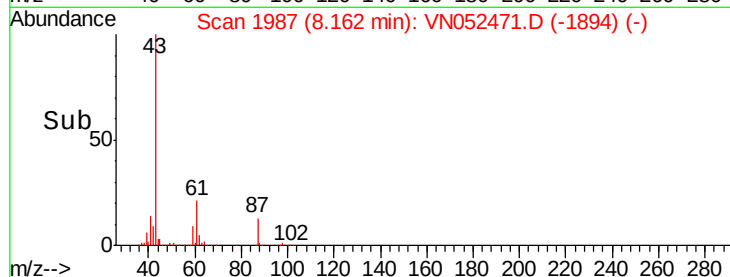
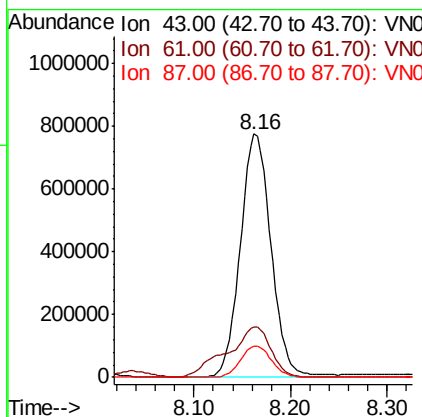
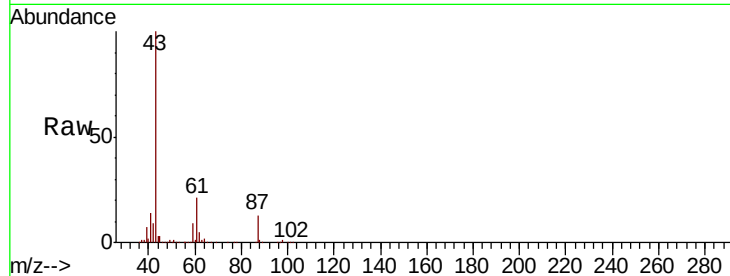
#43
Isopropyl Acetate
Concen: 107.719 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1713393
Ion Ratio Lower Upper
43 100
61 29.3 24.1 36.1
87 13.1 10.6 15.8

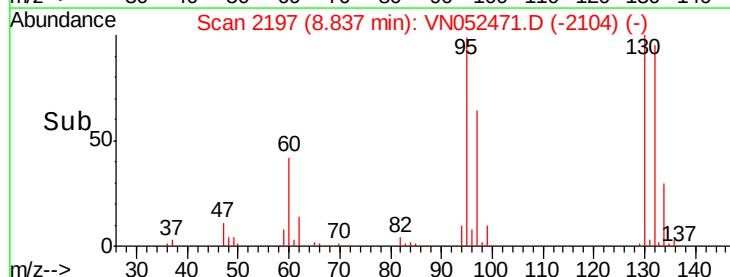
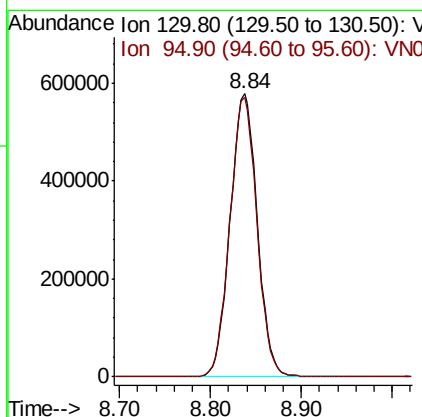
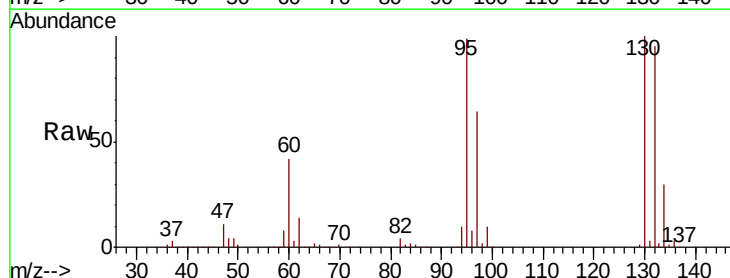
Manual Integrations
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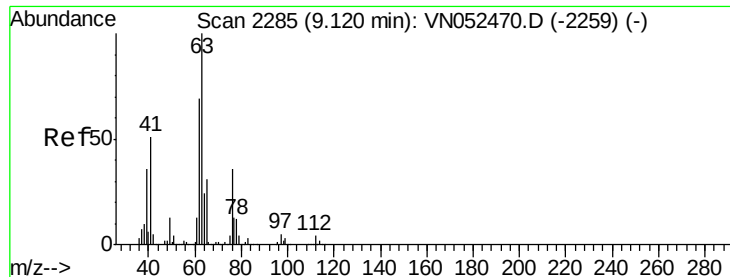
MMDadoda
11/28/2018 9:33:36 AM



#44
Trichloroethene
Concen: 101.599 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 130 Resp: 1194472
Ion Ratio Lower Upper
130 100
95 98.7 0.0 195.6





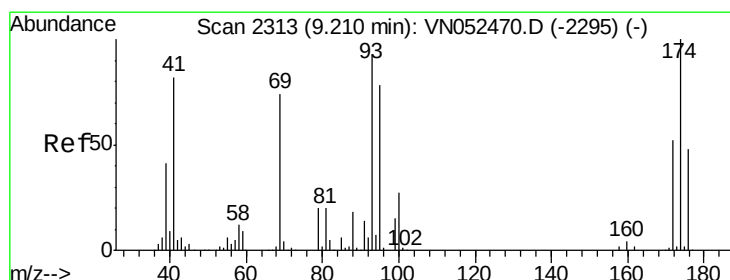
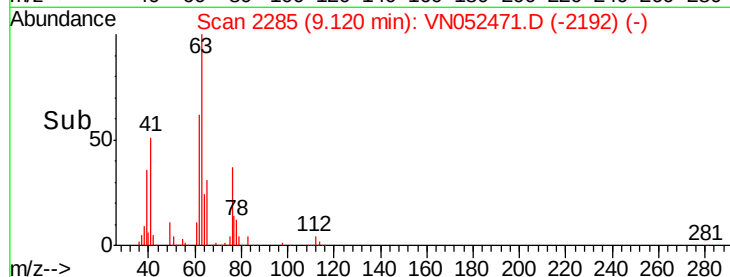
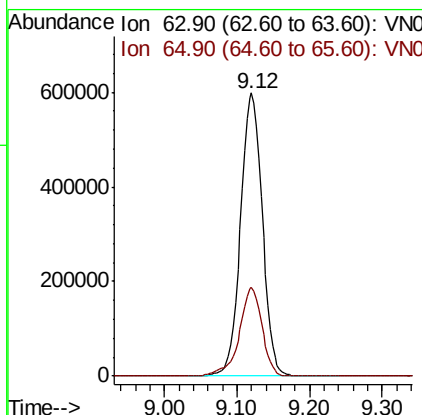
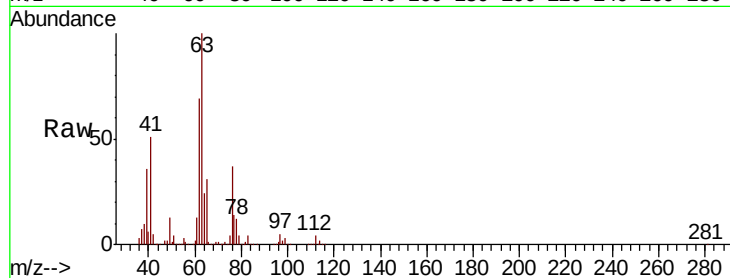
#45
 1,2-Dichloropropane
 Concen: 102.383 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1249330
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

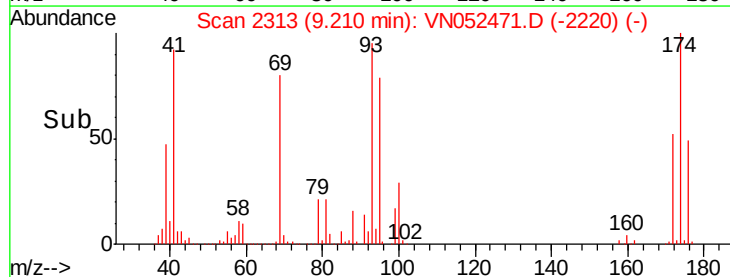
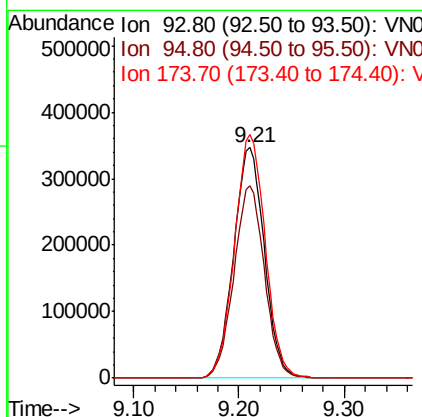
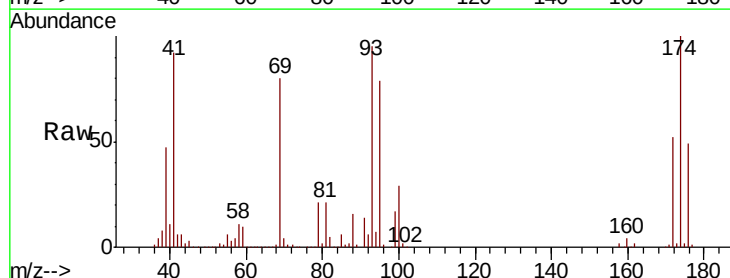
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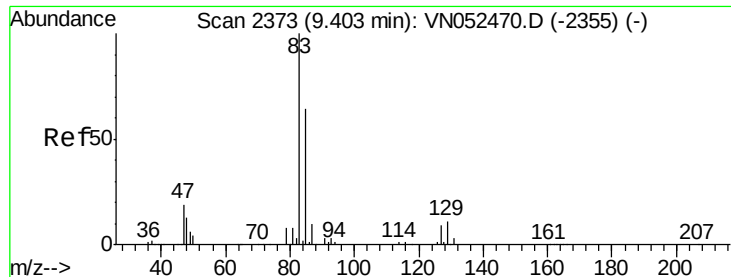
MMDadoda
 11/28/2018 9:33:36 AM



#46
 Dibromomethane
 Concen: 103.724 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion: 93 Resp: 700673
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.1 100.7
 174 105.9 85.8 128.8





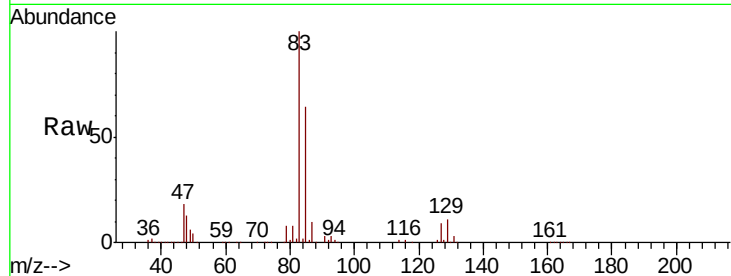
#47
Bromodichloromethane
Concen: 103.371 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

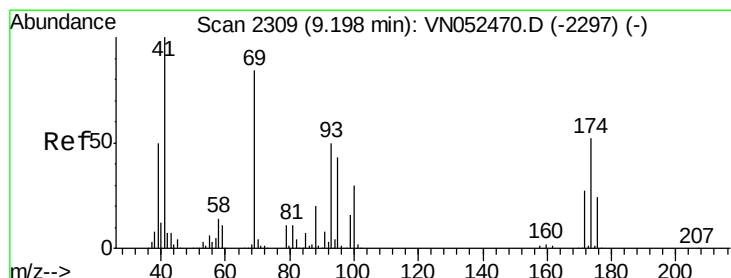
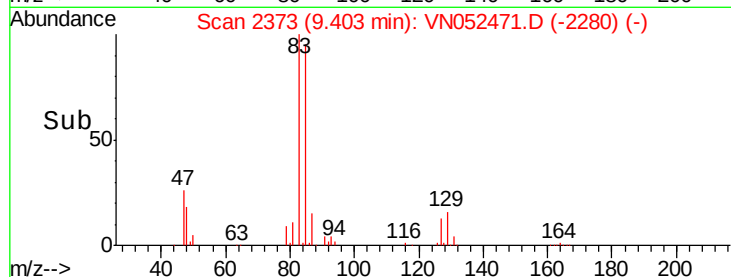
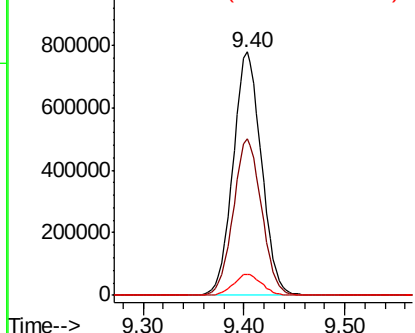
Tgt Ion: 83 Resp: 1518196
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9
127 8.7 6.9 10.3

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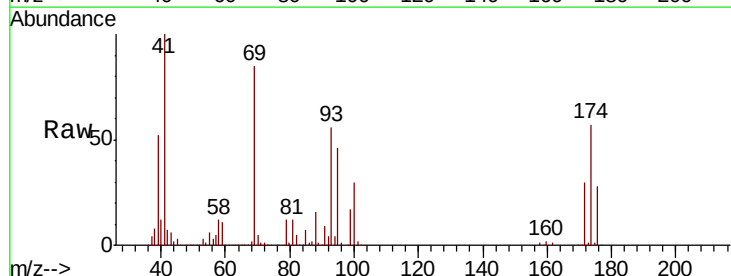


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

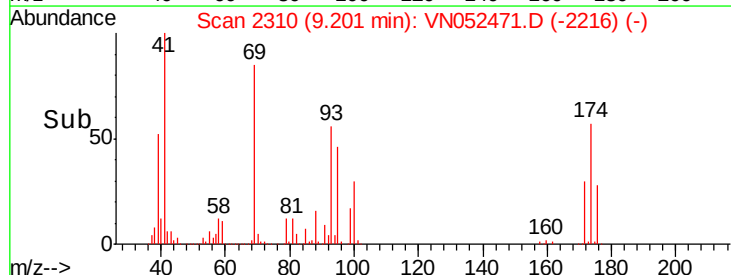
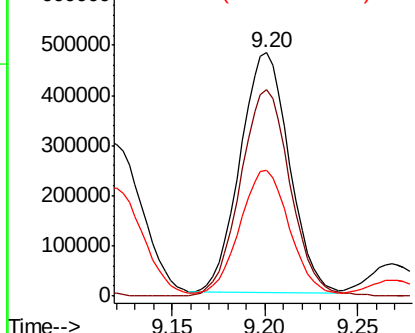


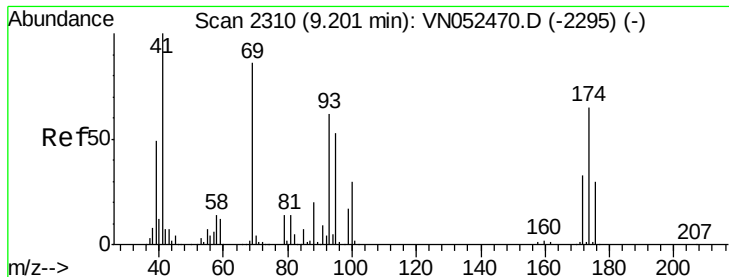
#48
Methyl methacrylate
Concen: 106.383 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 41 Resp: 882335
Ion Ratio Lower Upper
41 100
69 87.9 70.0 105.0
39 53.6 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





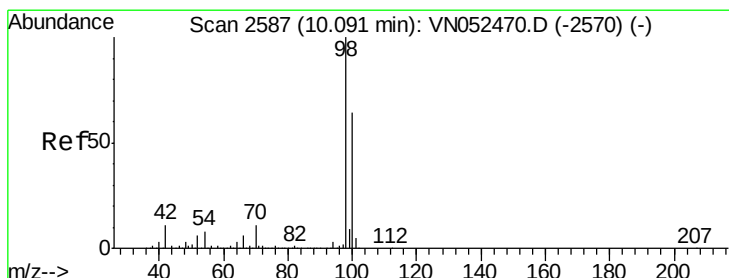
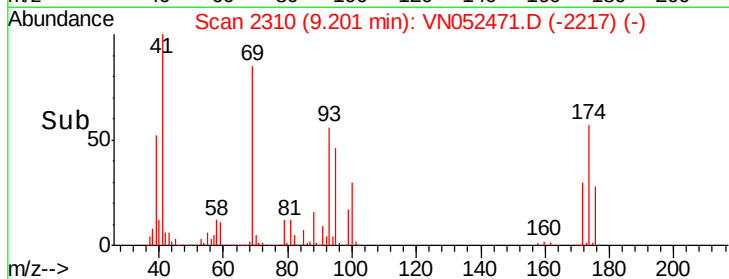
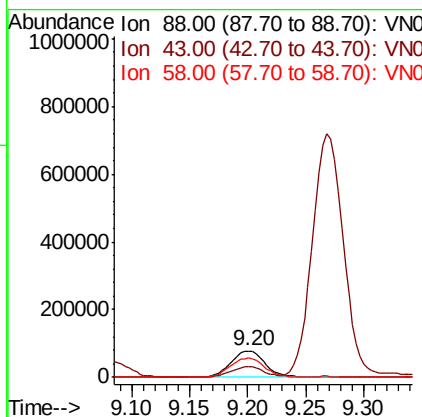
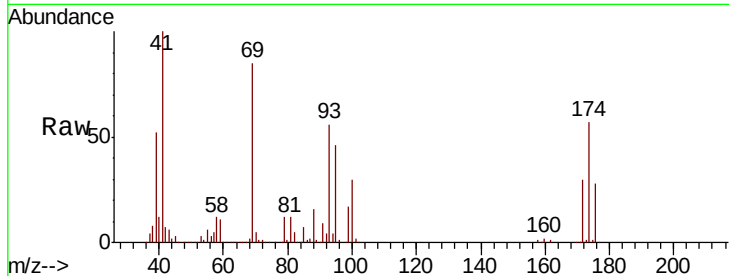
#49
1,4-Dioxane
Concen: 1868.409 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	160827		
43	36.6	26.4	39.6	
58	72.9	55.4	83.0	

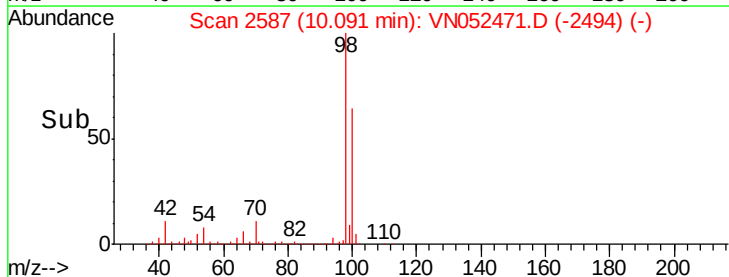
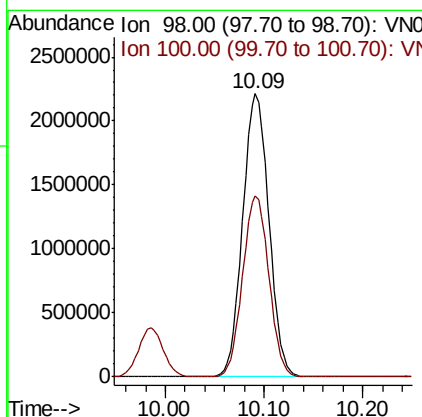
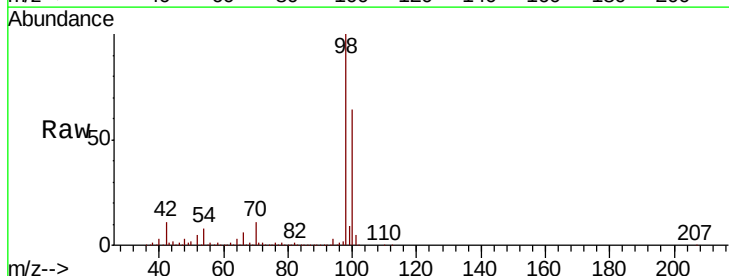
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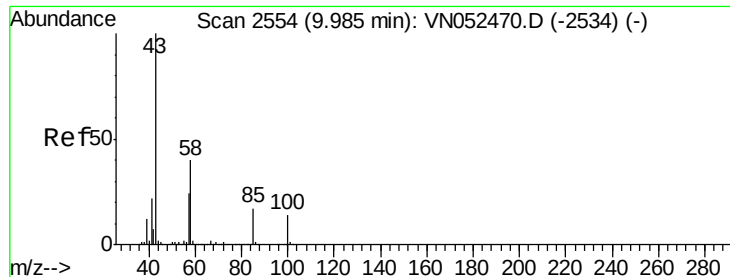
MMDadoda
11/28/2018 9:33:36 AM



#50
Toluene-d8
Concen: 1868.409 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	4060383		
100	64.0	51.3	76.9	





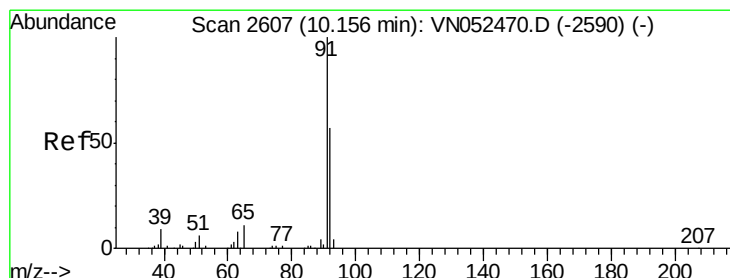
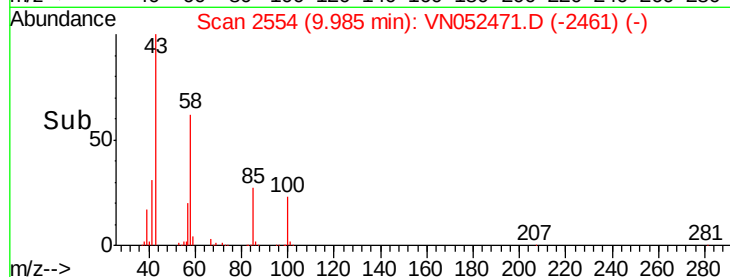
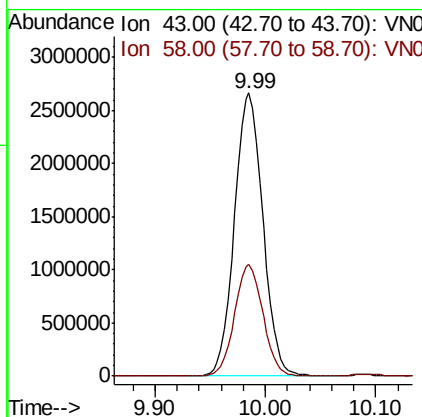
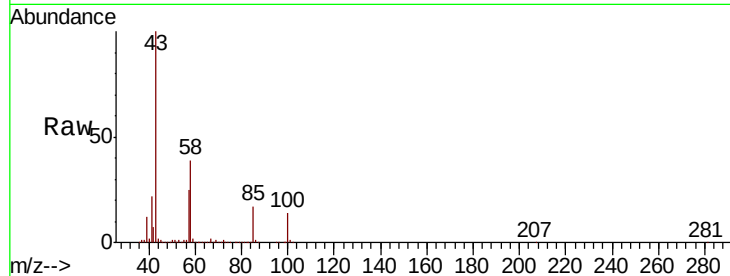
#51
 4-Methyl-2-Pentanone
 Concen: 532.996 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 4756719
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.5 47.3

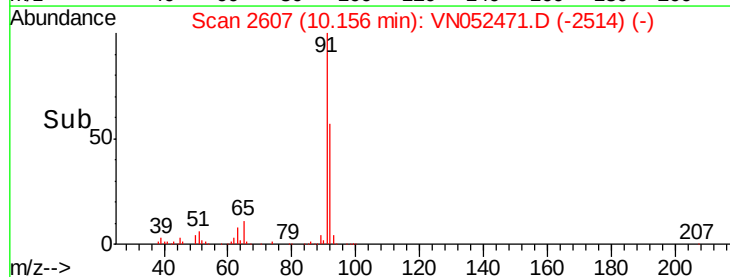
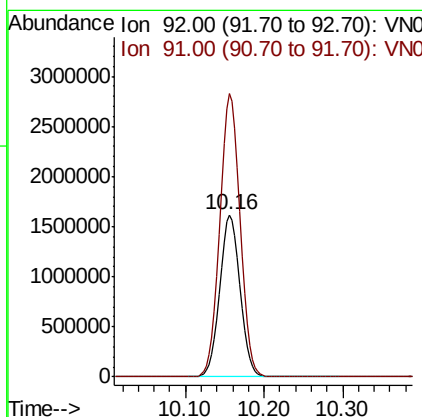
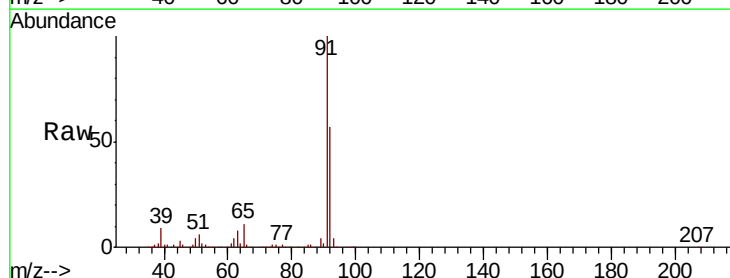
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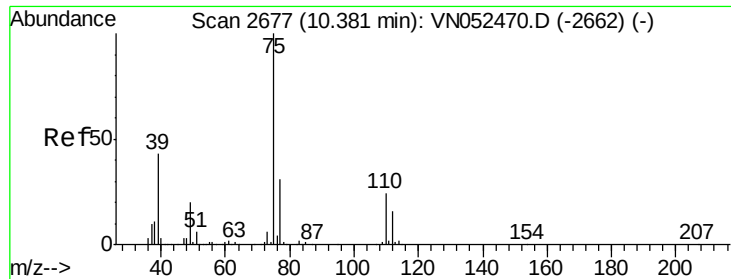
MMDadoda
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#52
 Toluene
 Concen: 104.628 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion: 92 Resp: 2853209
 Ion Ratio Lower Upper
 92 100
 91 175.2 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 112.056 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 1583266

Ion Ratio Lower Upper

75 100

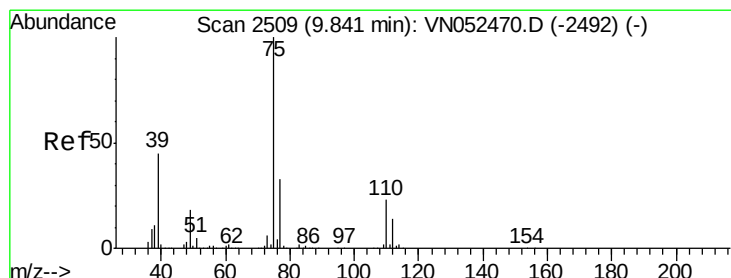
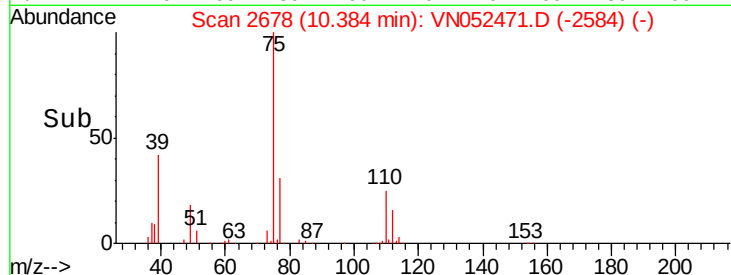
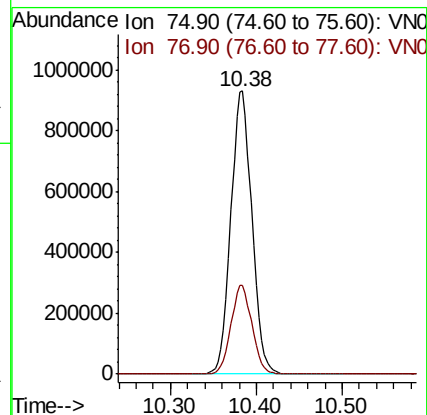
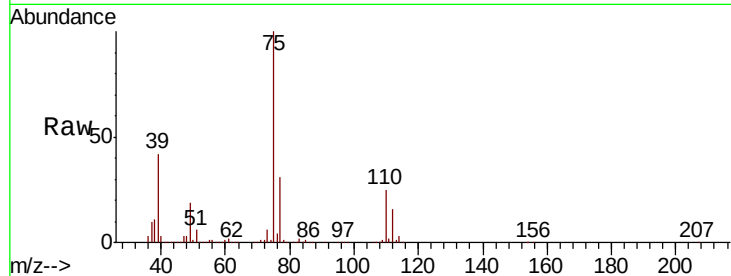
77 31.2 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 108.814 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

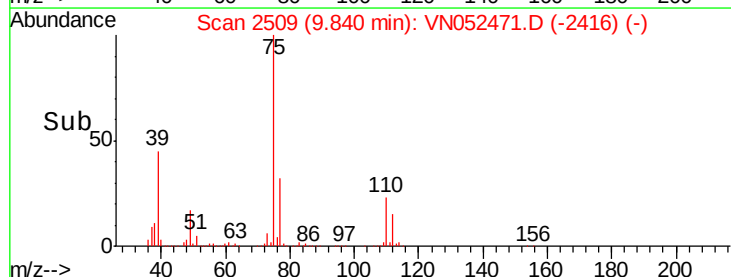
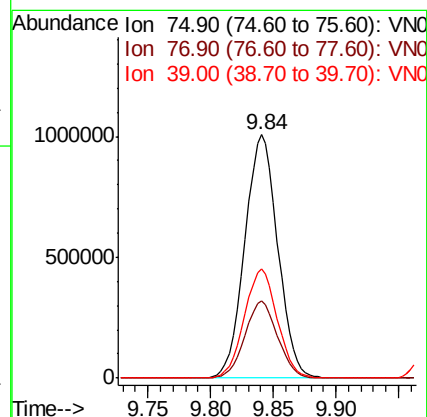
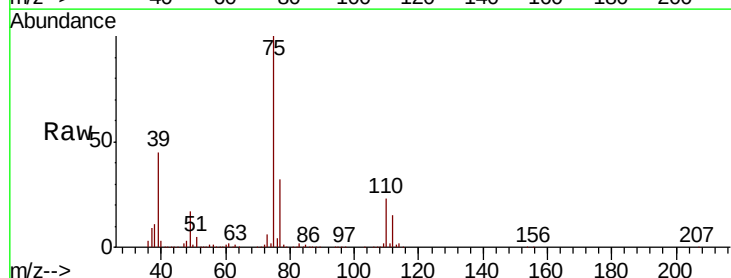
Tgt Ion: 75 Resp: 1842438

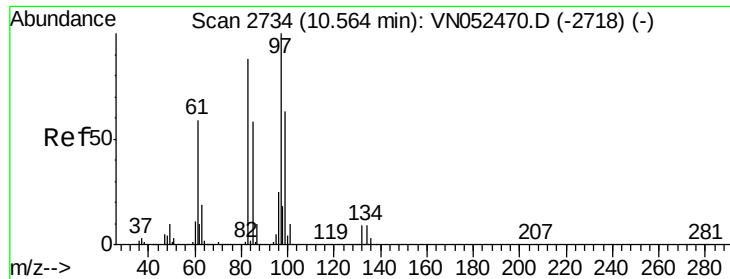
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 44.8 36.0 54.0





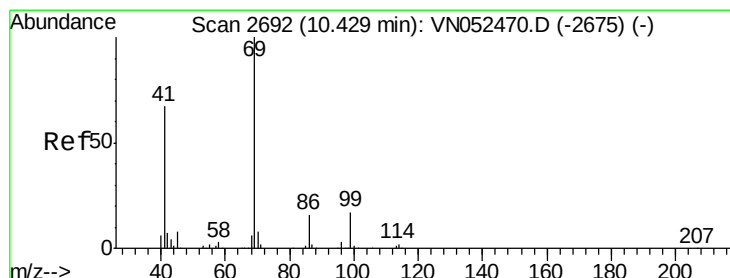
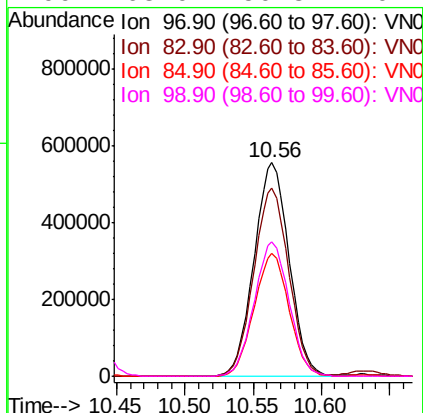
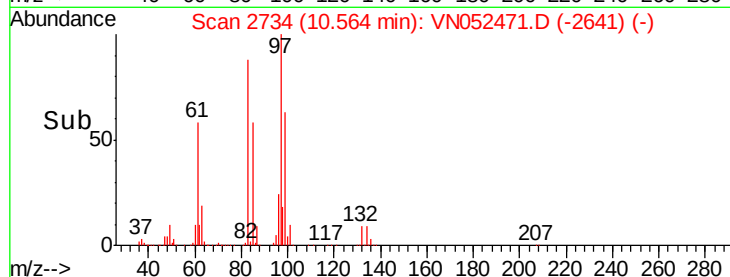
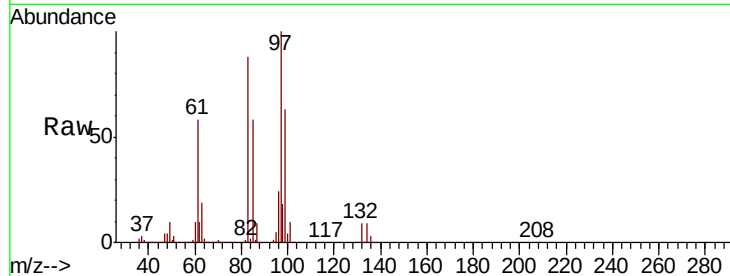
#55
 1,1,2-Trichloroethane
 Concen: 103.512 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.7	106.1
85	57.5	46.1	69.1
99	63.0	50.8	76.2

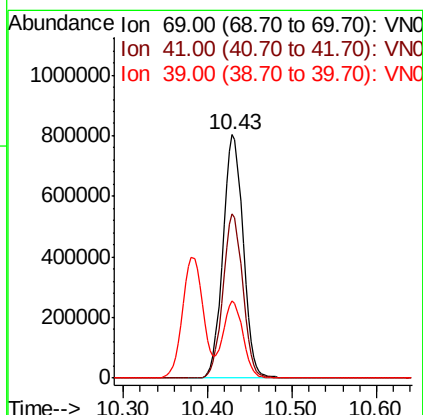
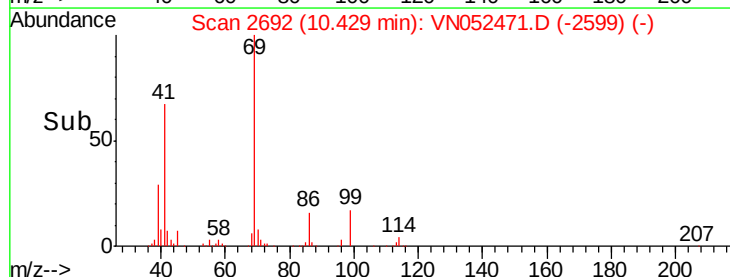
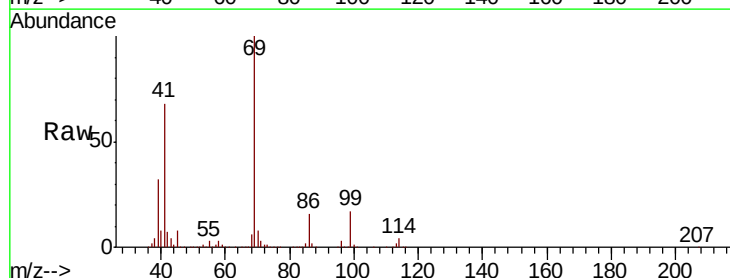
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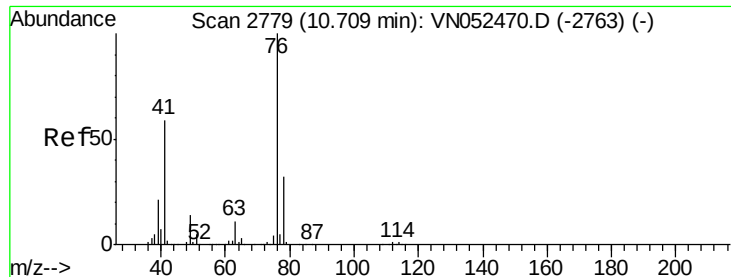
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 113.603 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.6	79.0
39	31.5	25.9	38.9





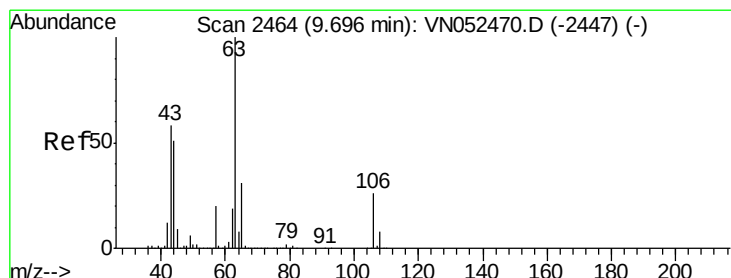
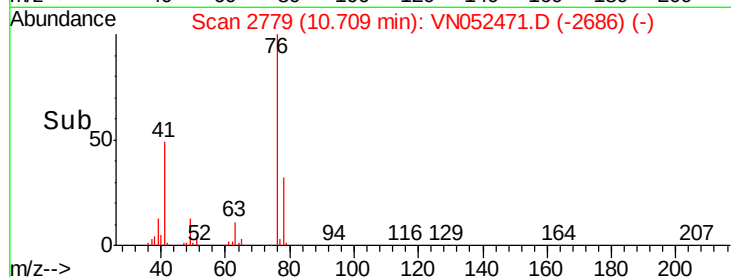
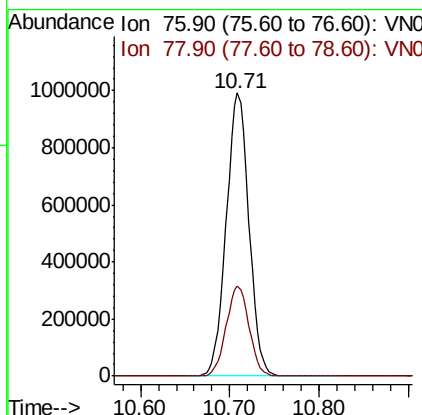
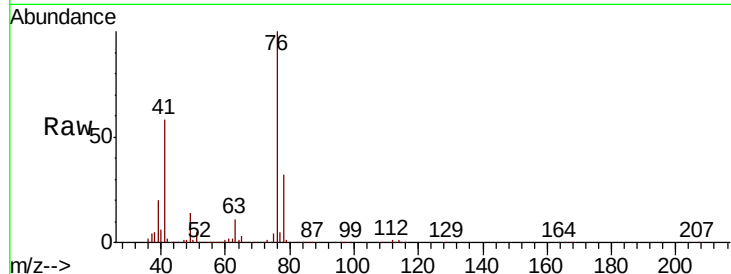
#57
 1,3-Dichloropropane
 Concen: 102.821 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 1741518
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

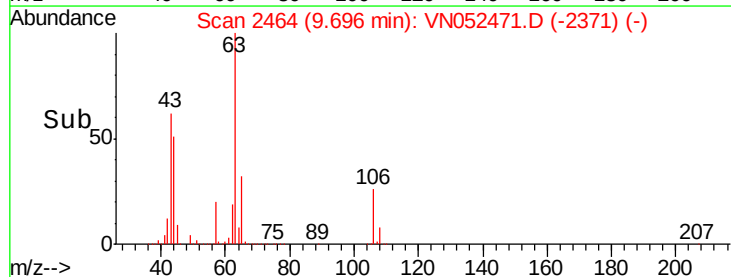
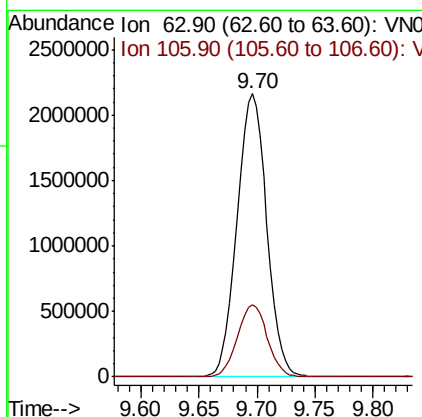
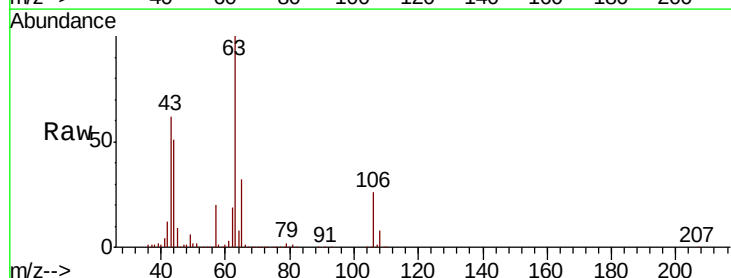
Manual Integrations
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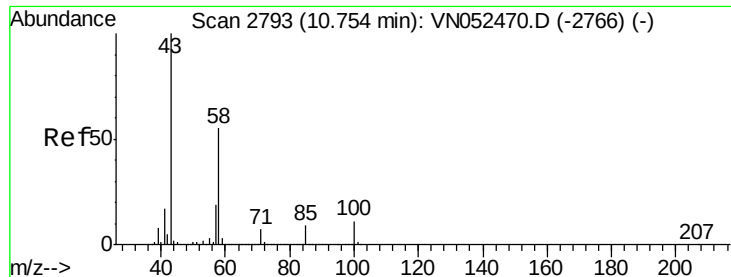
MMDadoda
 11/28/2018 9:33:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 550.510 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion: 63 Resp: 3831801
 Ion Ratio Lower Upper
 63 100
 106 25.7 20.6 30.8





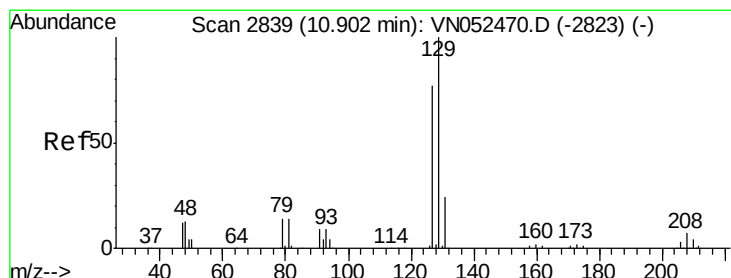
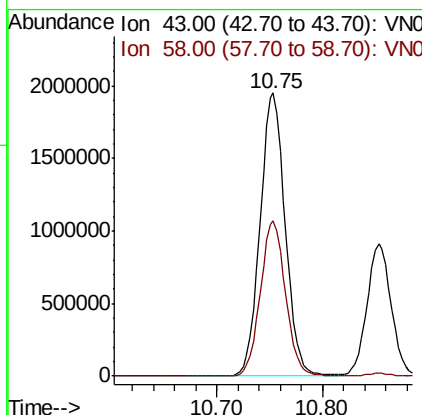
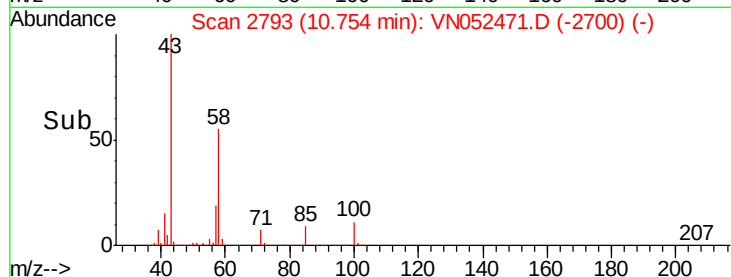
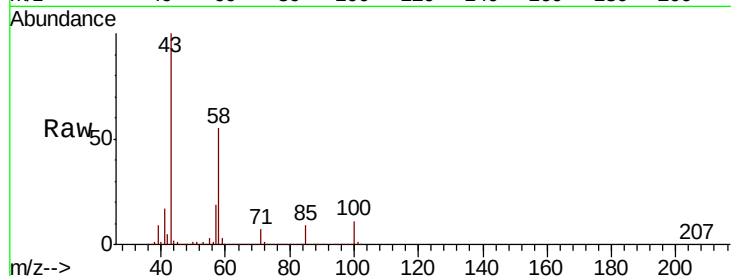
#59
2-Hexanone
Concen: 542.102 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 3247029
Ion Ratio Lower Upper
43 100
58 54.9 27.4 82.0

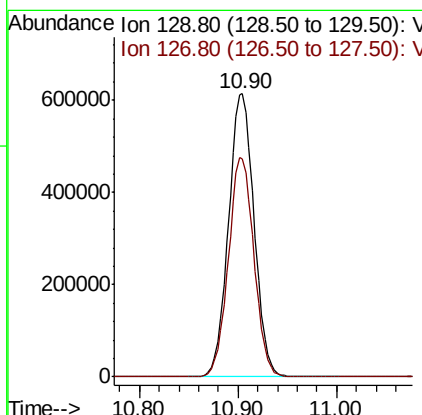
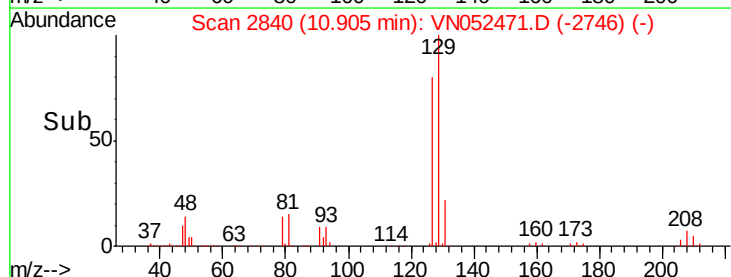
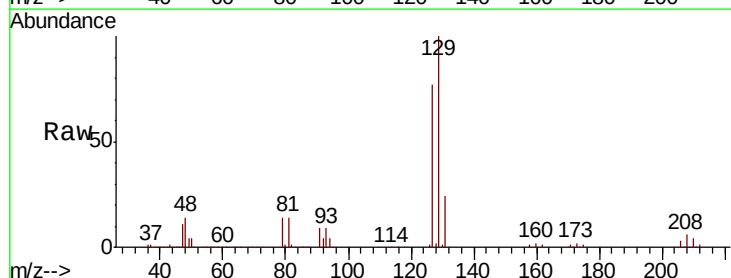
Manual Integrations
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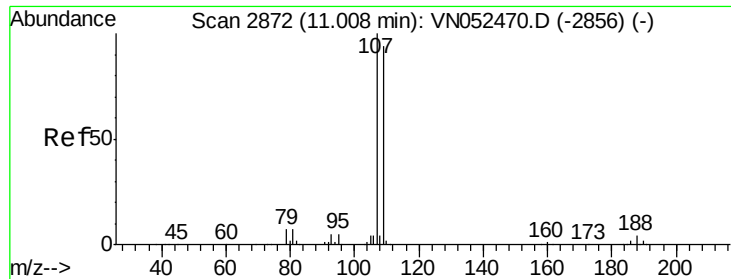
MMDadoda
11/28/2018 9:33:36 AM



#60
Dibromochloromethane
Concen: 106.646 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 129 Resp: 1111068
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 105.227 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 1002519

Ion Ratio Lower Upper

107 100

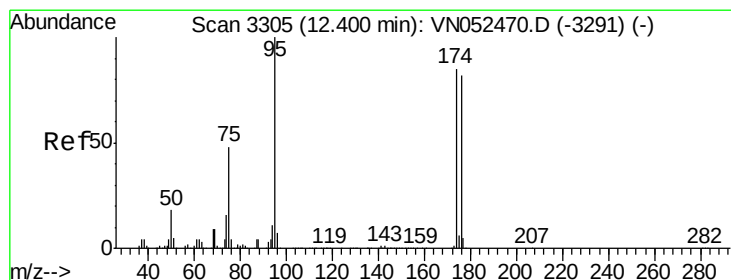
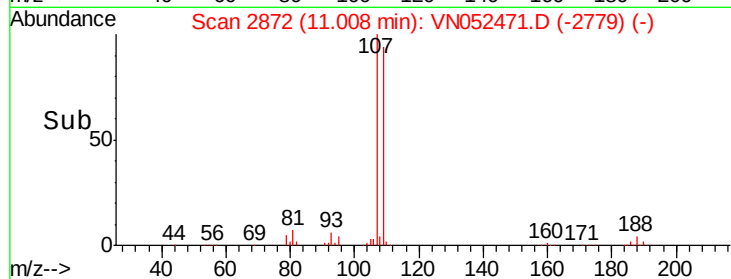
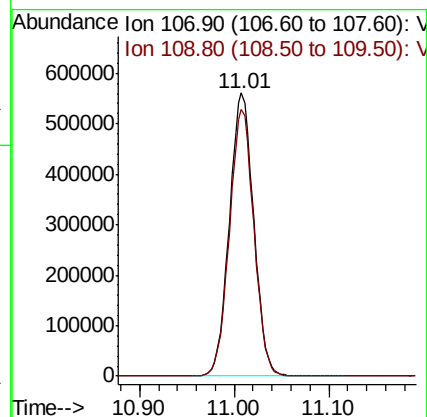
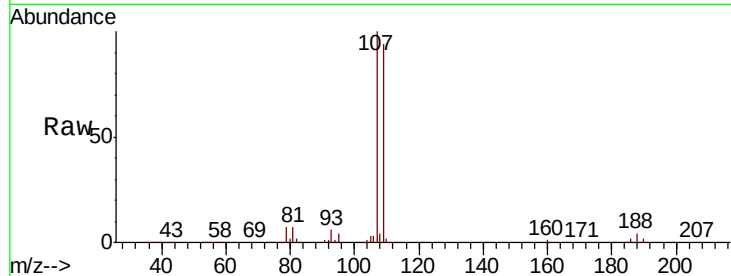
109 94.6 75.6 113.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 105.227 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

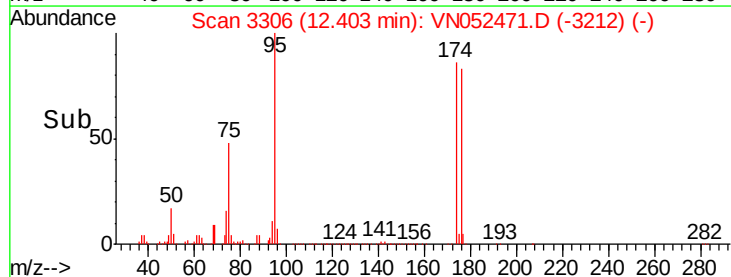
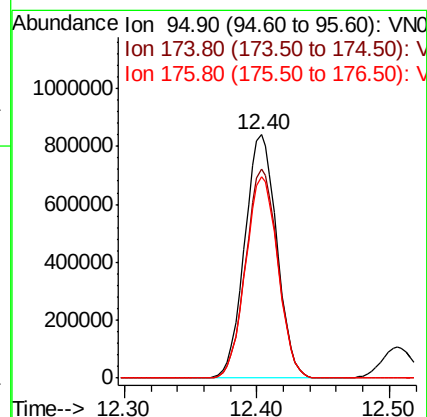
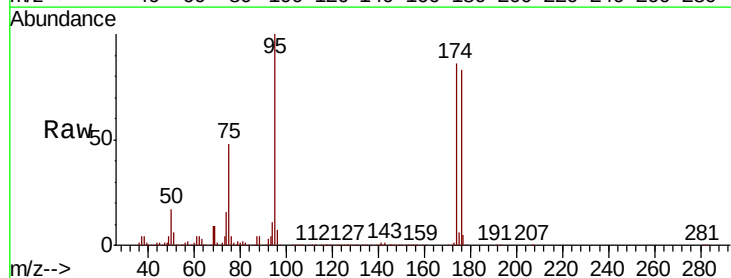
Tgt Ion: 95 Resp: 1412094

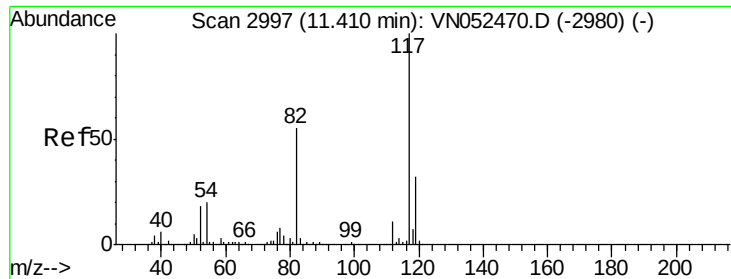
Ion Ratio Lower Upper

95 100

174 85.9 0.0 173.0

176 83.4 0.0 166.2





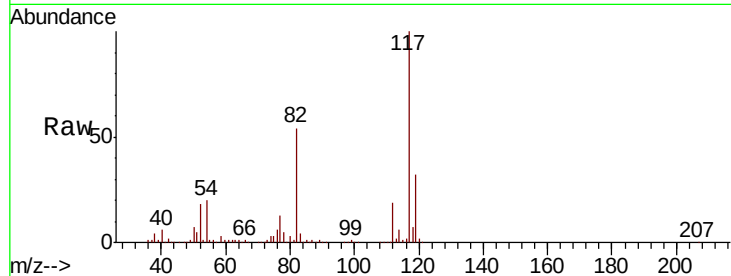
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

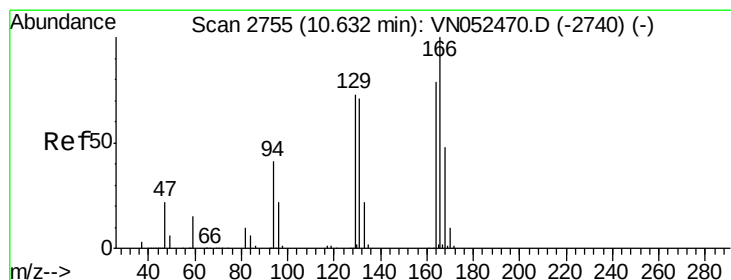
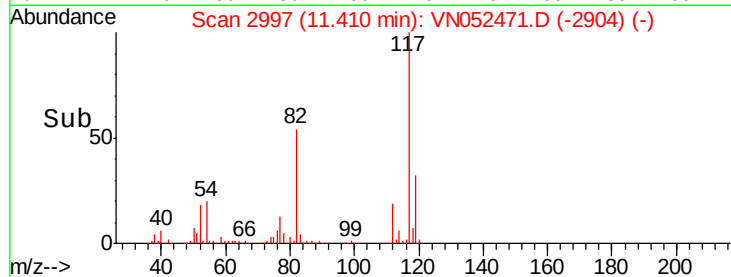
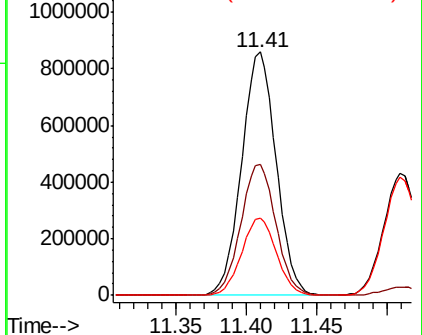
Tgt Ion:117 Resp: 1475774
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 31.8 25.4 38.2

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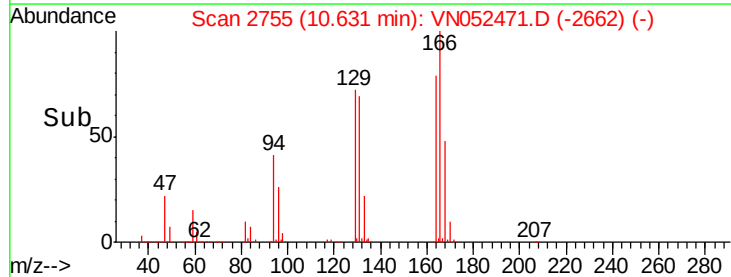
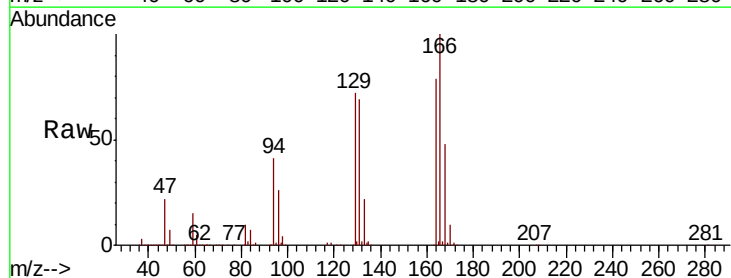
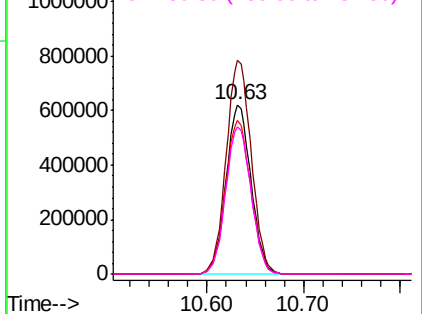
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

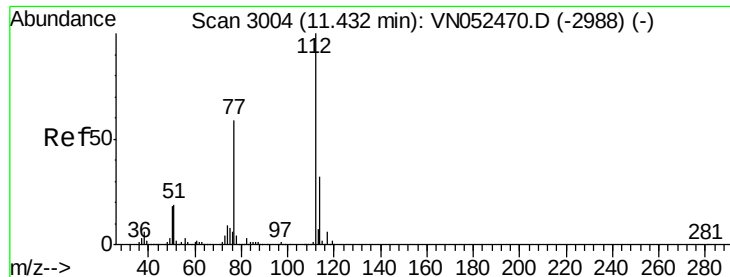


#64
Tetrachloroethene
Concen: 97.045 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion:164 Resp: 1110399
Ion Ratio Lower Upper
164 100
166 126.3 101.0 151.4
129 90.9 73.8 110.6
131 87.4 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: 101.831 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 3098753

Ion Ratio Lower Upper

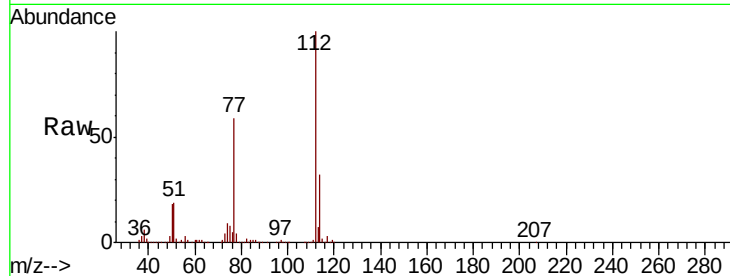
112 100

114 32.1 25.8 38.6

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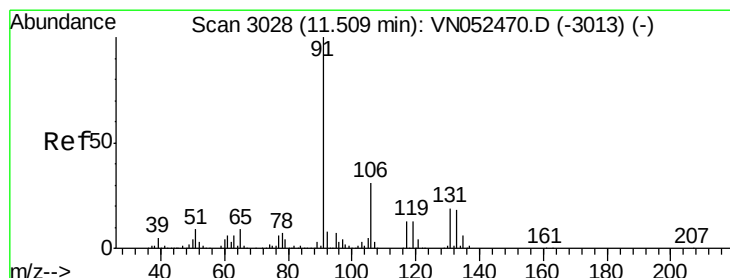
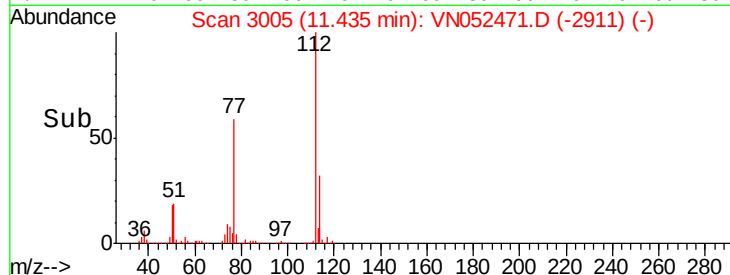
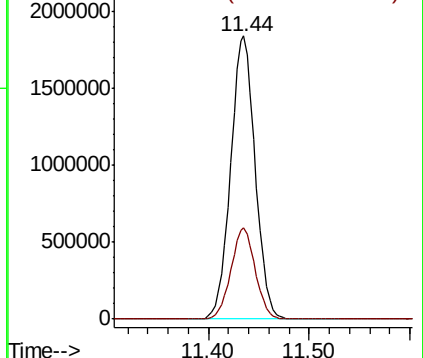
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 102.533 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

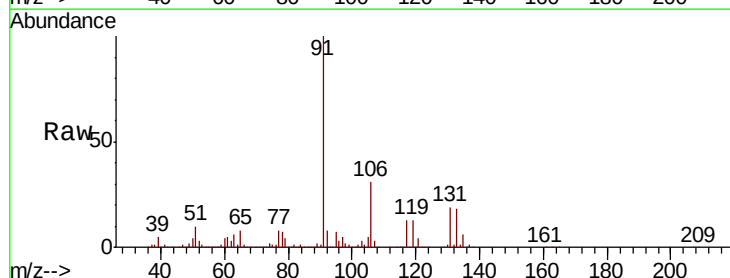
Tgt Ion:131 Resp: 1084874

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

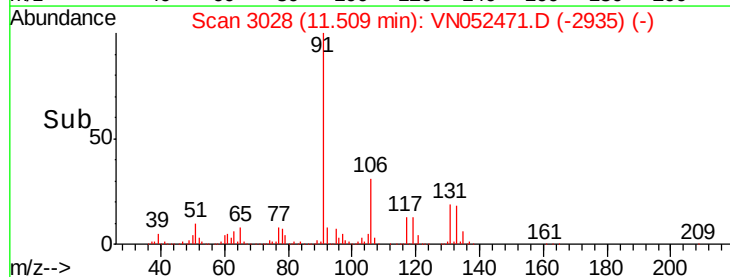
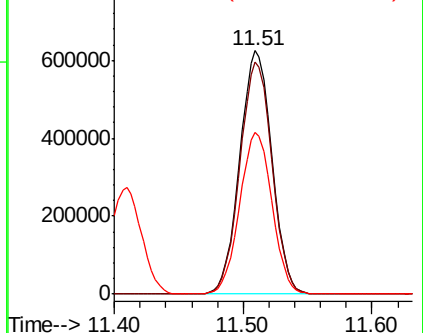
119 66.8 33.2 99.6

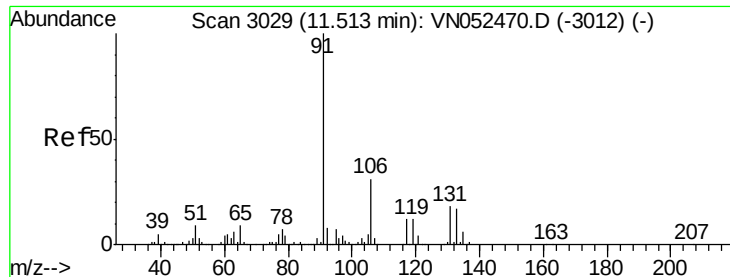


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 103.867 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 5534954

Ion Ratio Lower Upper

91 100

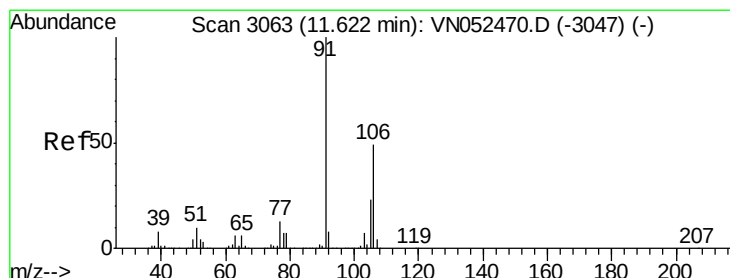
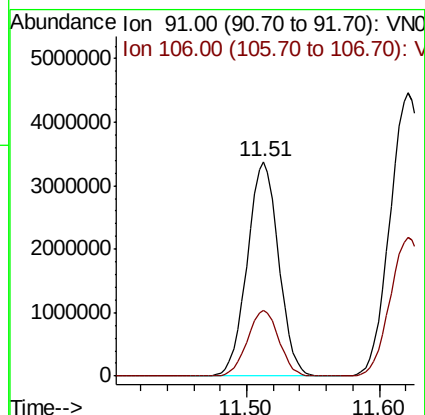
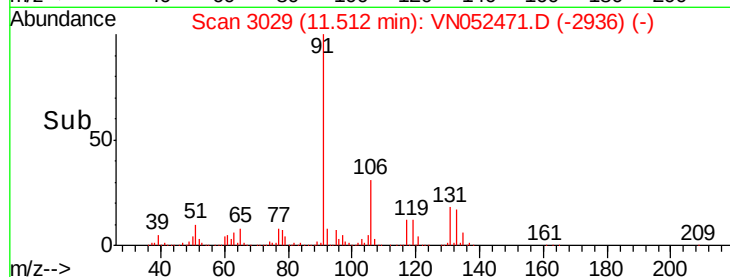
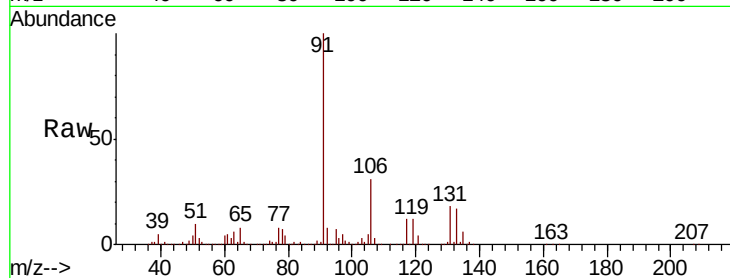
106 30.9 24.9 37.3

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#68

m/p-Xylenes

Concen: 210.290 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052471.D

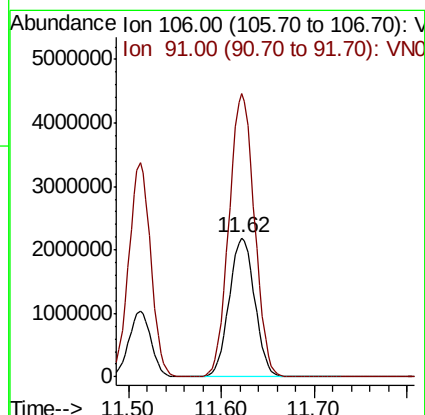
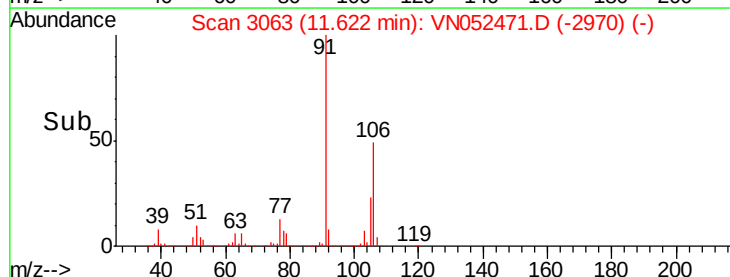
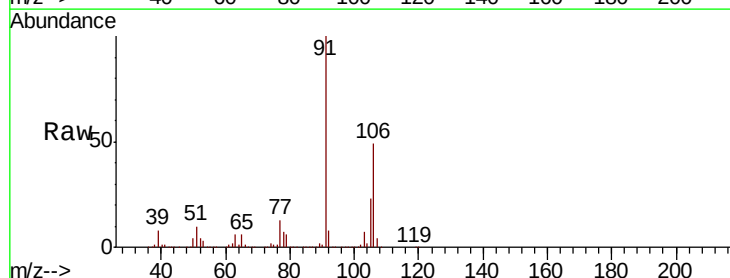
Acq: 27 Nov 2018 10:58

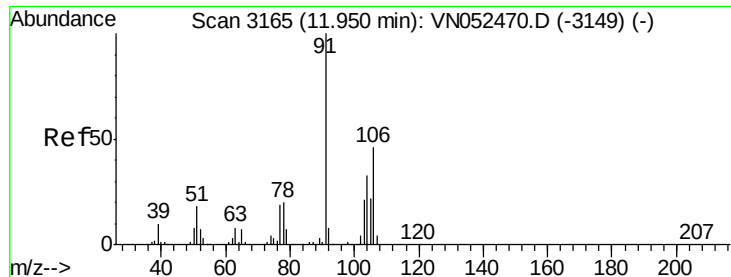
Tgt Ion: 106 Resp: 4171769

Ion Ratio Lower Upper

106 100

91 203.4 163.2 244.8





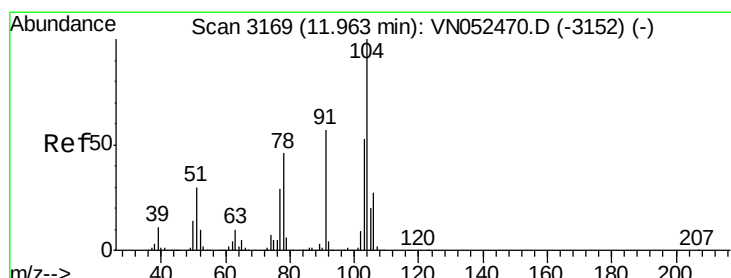
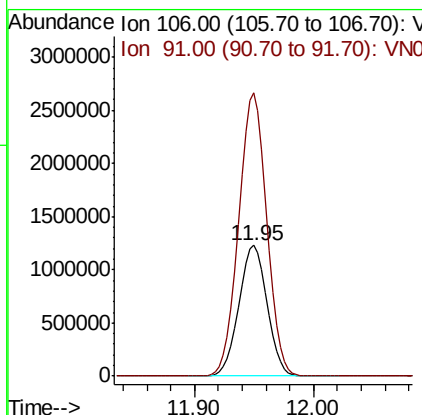
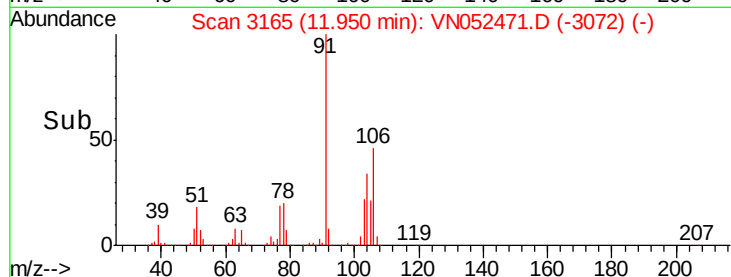
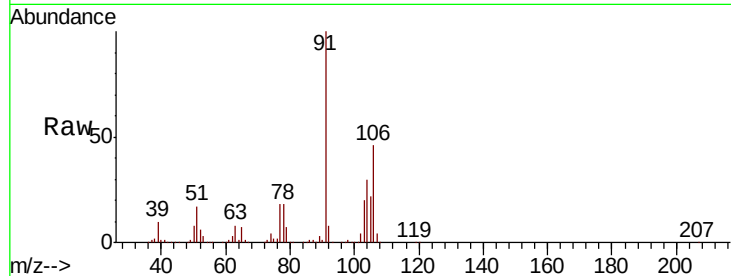
#69
o-Xylene
Concen: 104.807 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2019067
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1

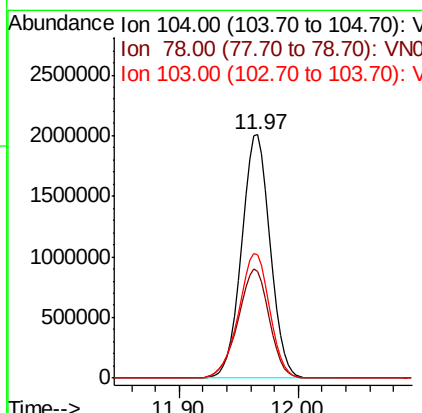
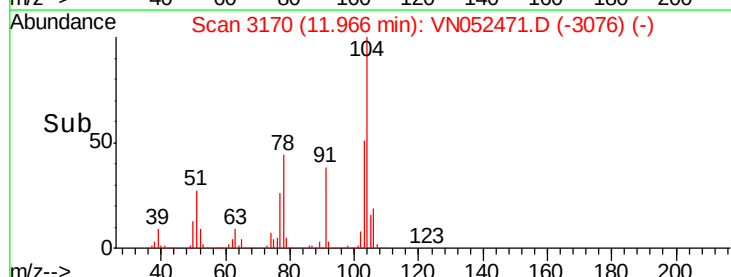
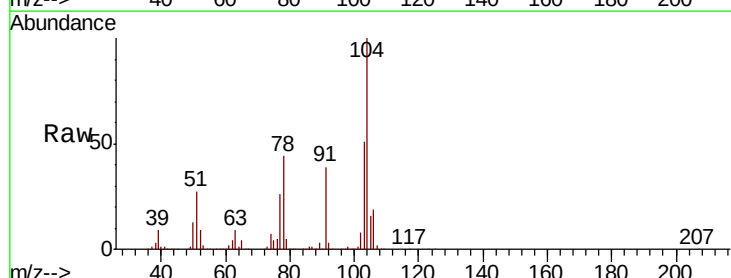
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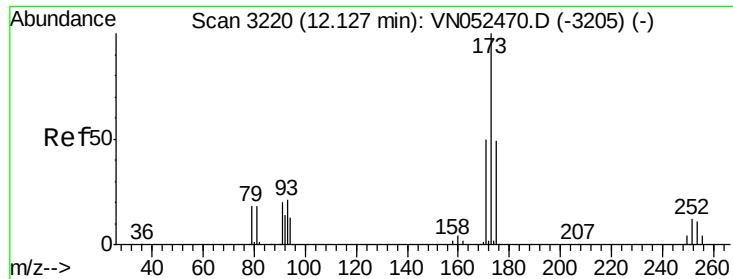
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#70
Styrene
Concen: 108.533 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion:104 Resp: 3330212
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.2
103 55.7 44.9 67.3





#71

Bromoform

Concen: 108.385 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

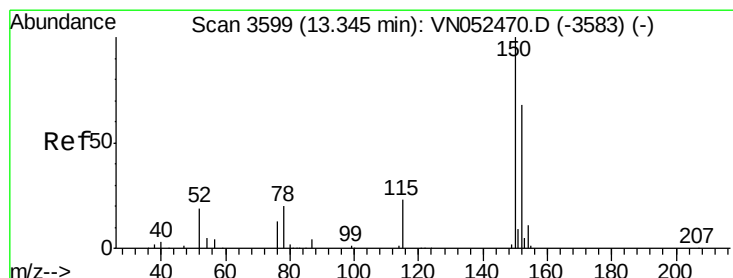
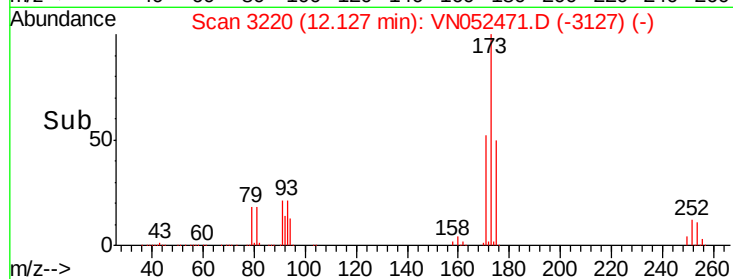
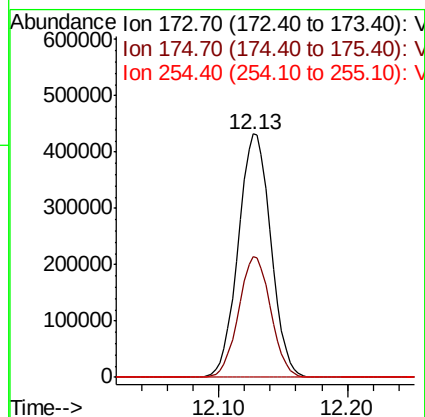
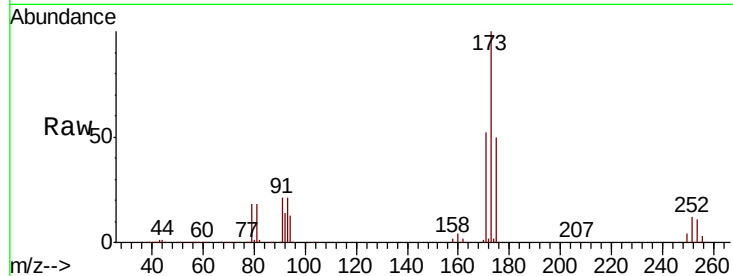
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

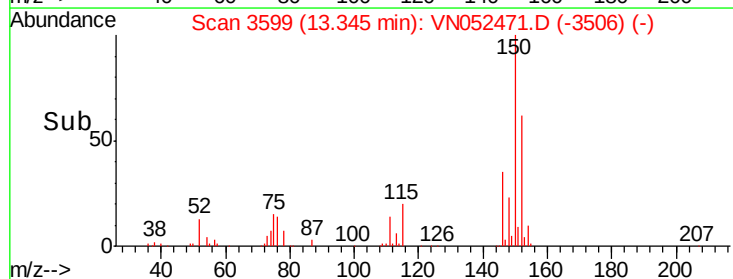
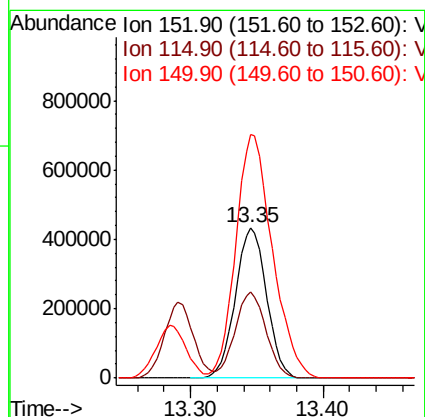
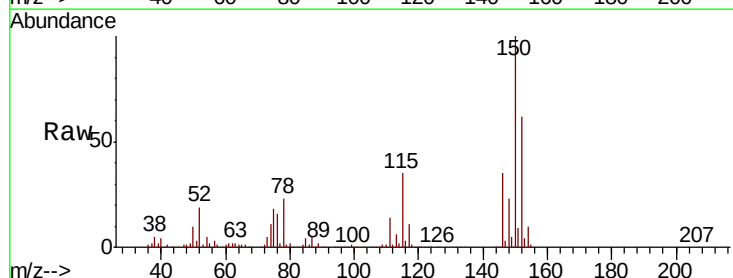
RT: 13.35 min Scan# 3599

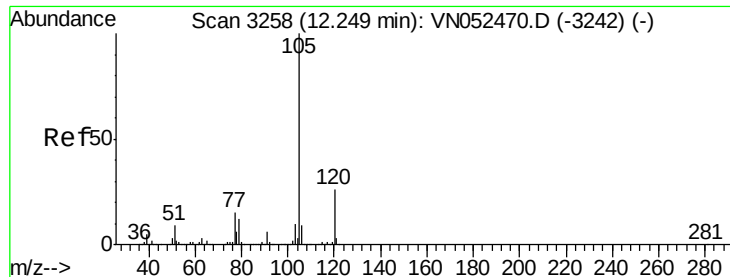
Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.4	85.2
150	190.3	0.0	346.0





#73

Isopropylbenzene

Concen: 96.970 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 5372746

Ion Ratio Lower Upper

105 100

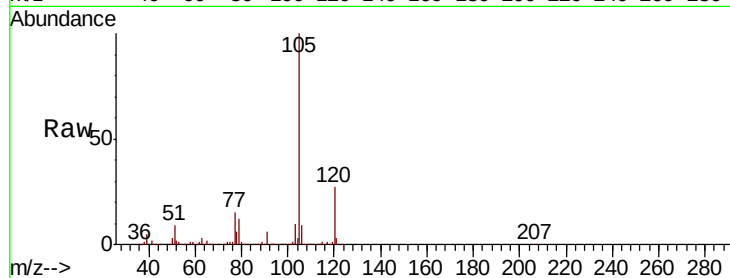
120 26.4 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

4000000

3000000

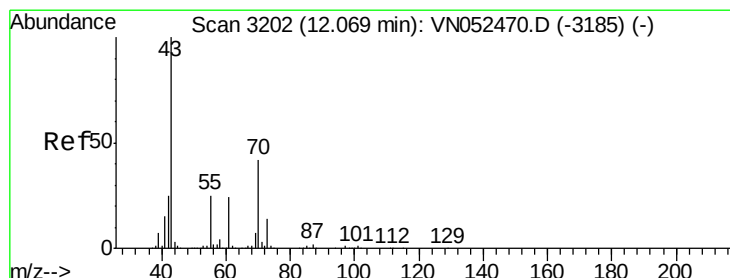
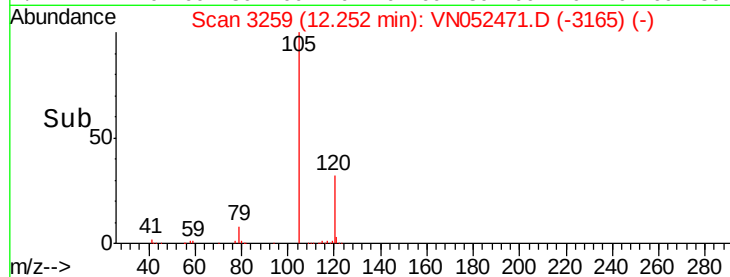
2000000

1000000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 108.398 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Tgt Ion: 43 Resp: 1517331

Ion Ratio Lower Upper

43 100

70 41.3 33.8 50.8

55 24.0 20.0 30.0

61 24.6 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1500000

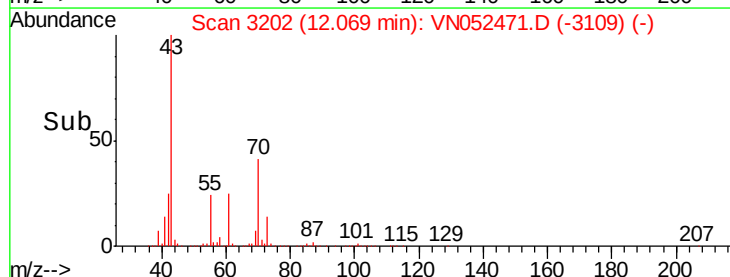
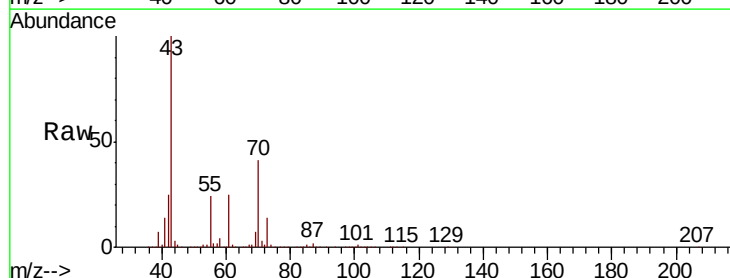
1000000

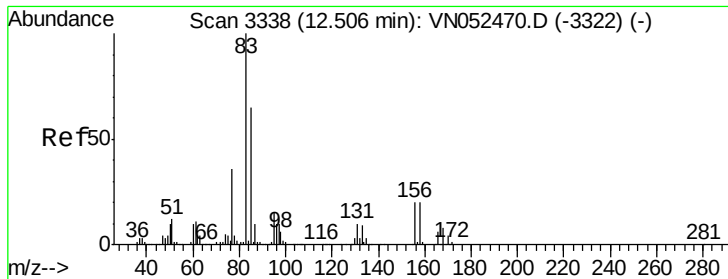
500000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 96.435 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

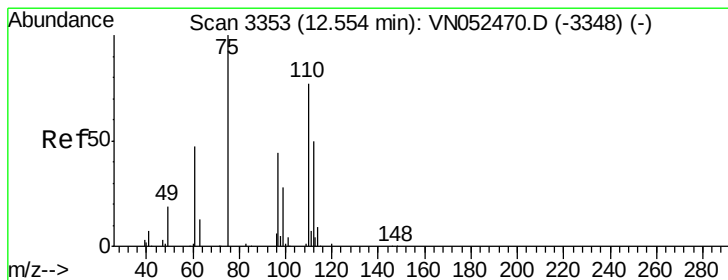
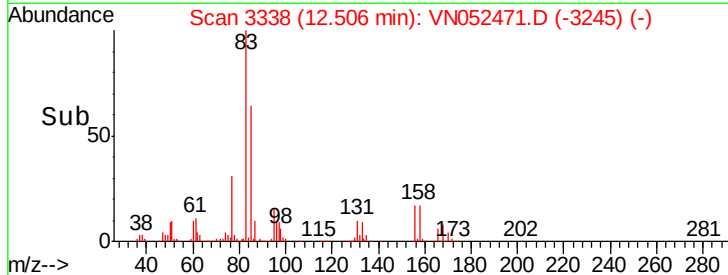
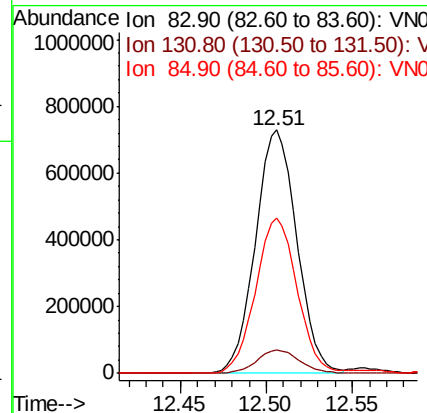
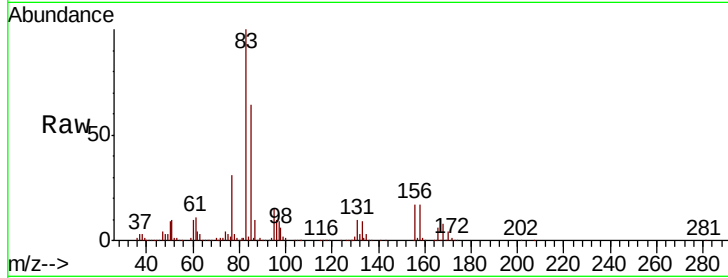
ClientSampleId :

VSTDICC100

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	63.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 93.385 ug/l m

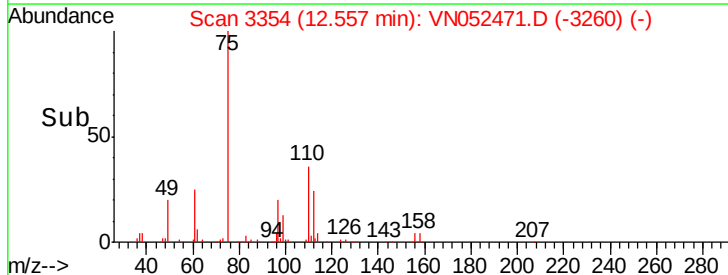
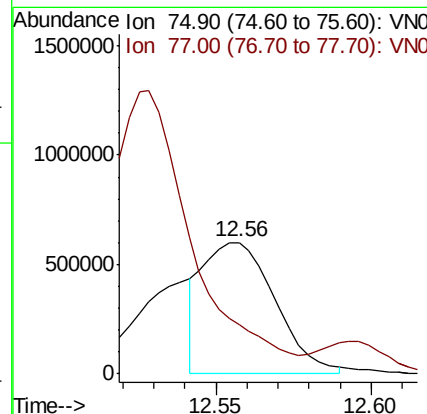
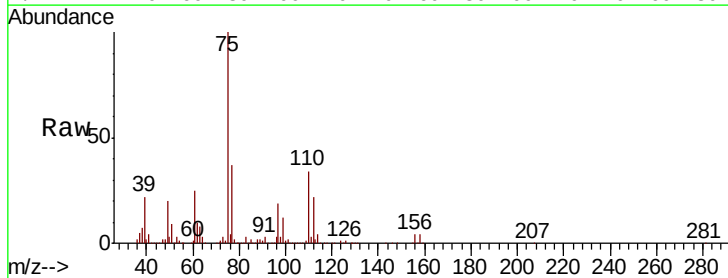
RT: 12.56 min Scan# 3354

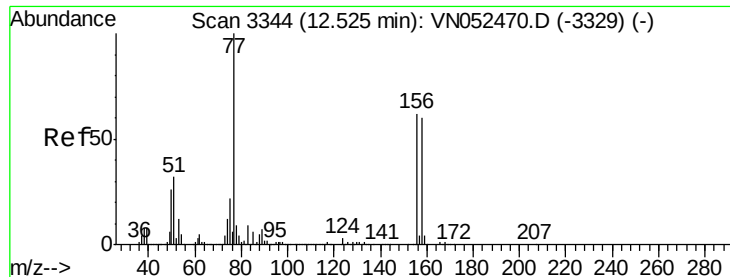
Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 96.786 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 1325476

Ion Ratio Lower Upper

156 100

77 188.5 93.5 280.4

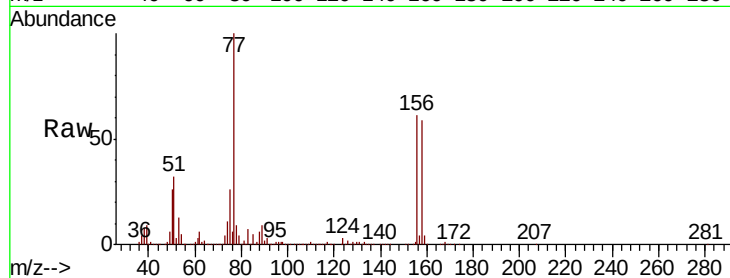
158 97.3 48.3 144.9

Manual Integrations

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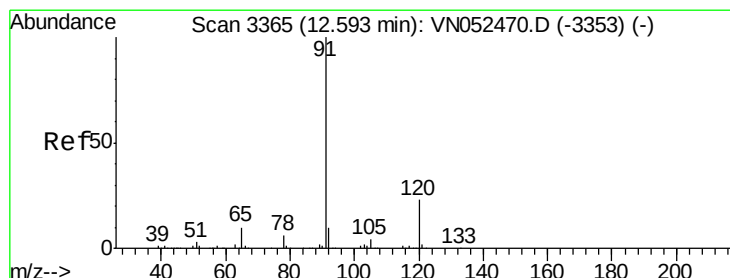
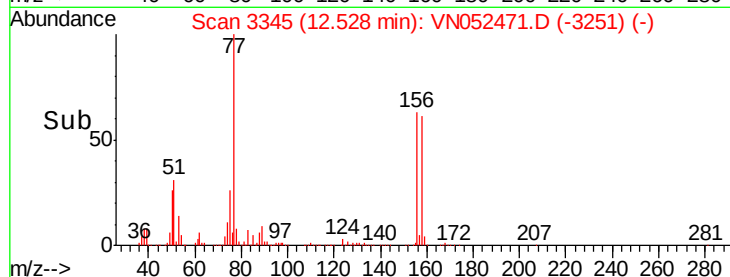
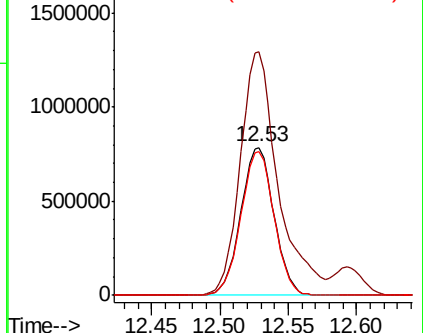
11/28/2018 9:33:36 AM



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



#78

n-propylbenzene

Concen: 100.145 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052471.D

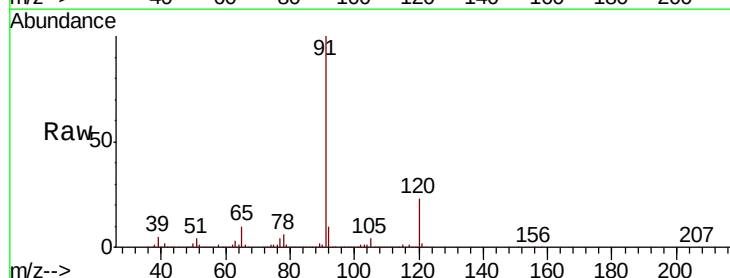
Acq: 27 Nov 2018 10:58

Tgt Ion: 91 Resp: 6303518

Ion Ratio Lower Upper

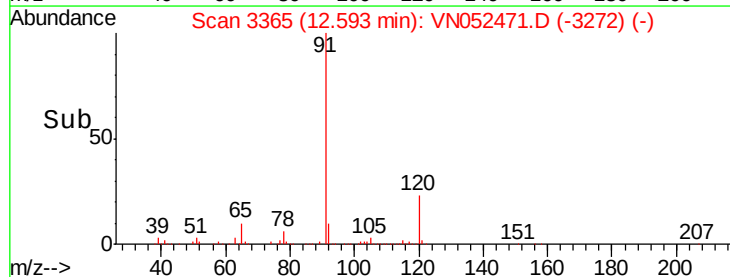
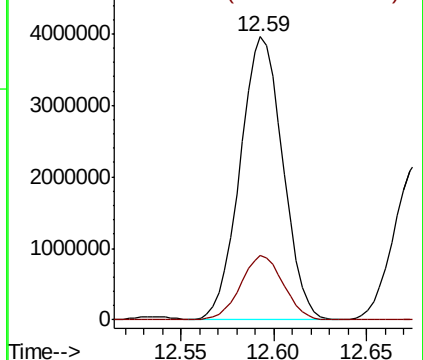
91 100

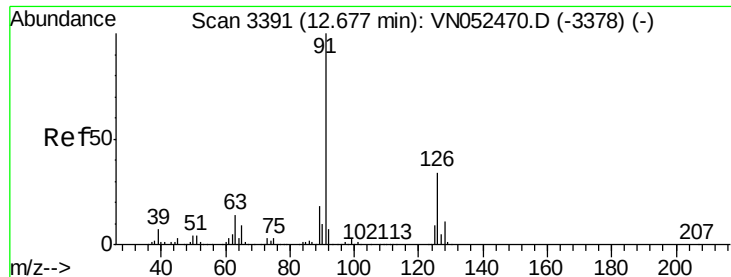
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.707 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 3624913

Ion Ratio Lower Upper

91 100

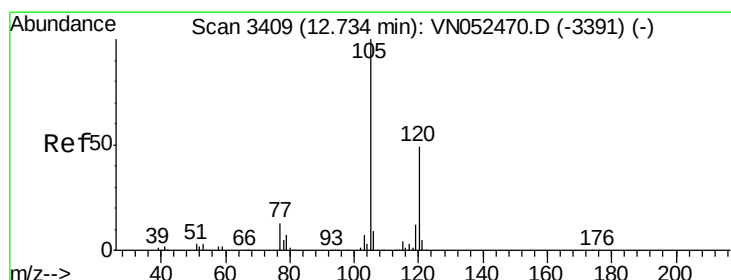
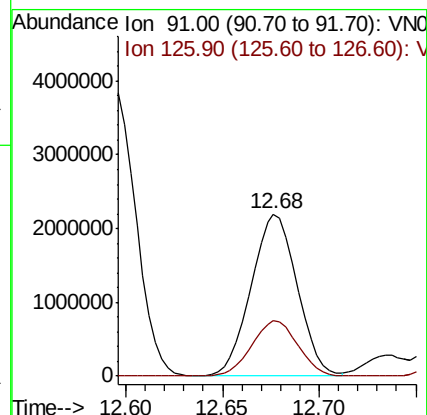
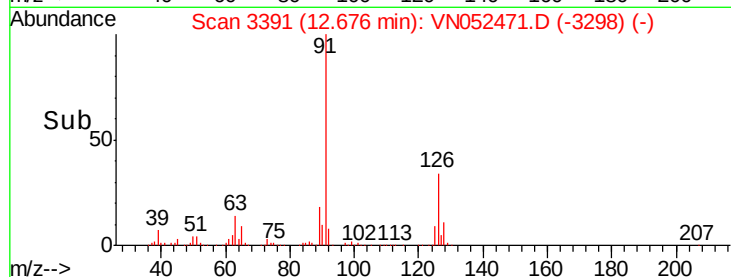
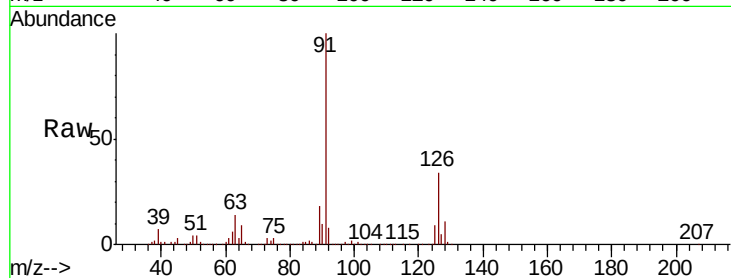
126 34.4 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 99.132 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052471.D

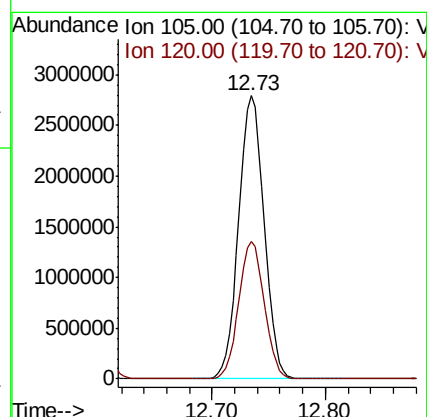
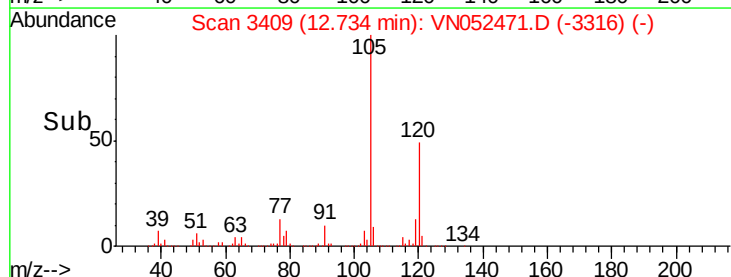
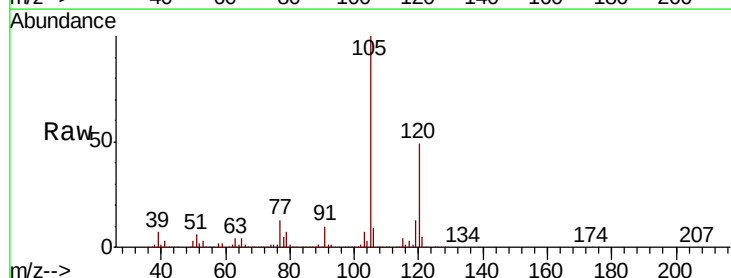
Acq: 27 Nov 2018 10:58

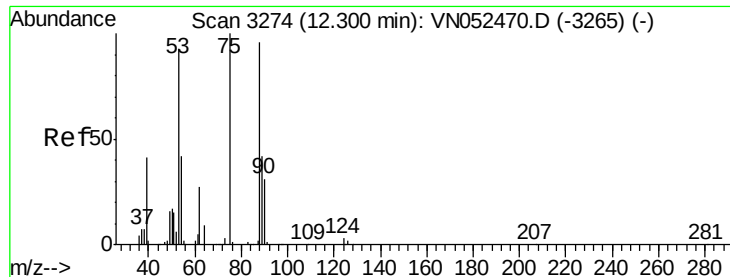
Tgt Ion: 105 Resp: 4380555

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





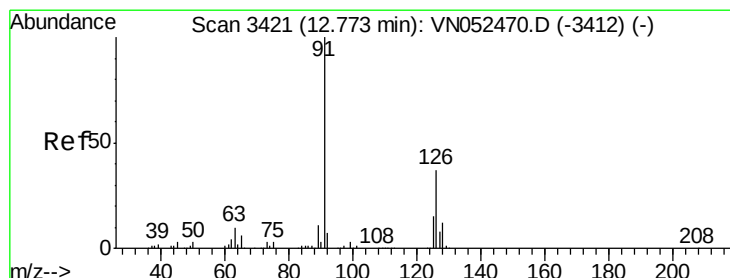
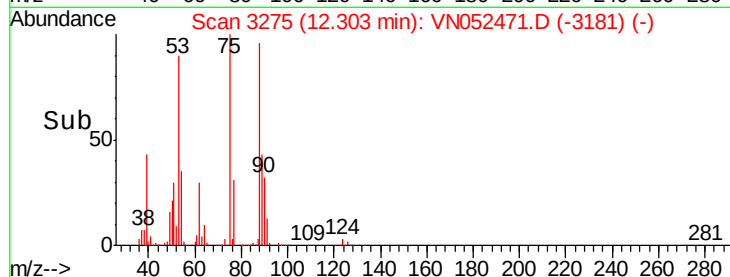
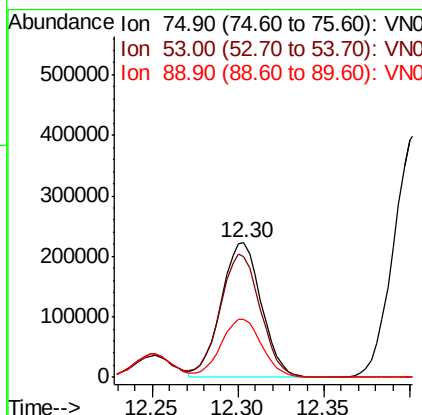
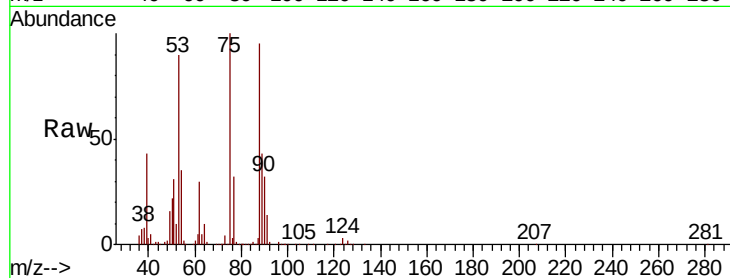
#81
trans-1,4-Dichloro-2-butene
Concen: 110.451 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 360179
Ion Ratio Lower Upper
75 100
53 92.5 77.4 116.0
89 44.0 35.4 53.2

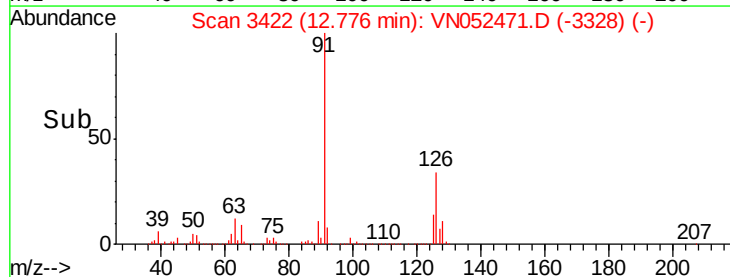
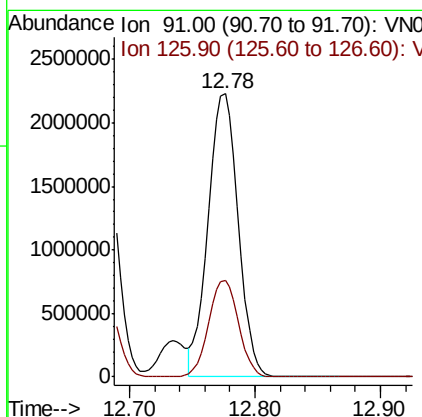
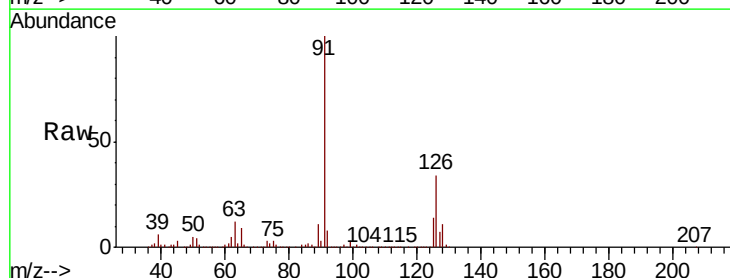
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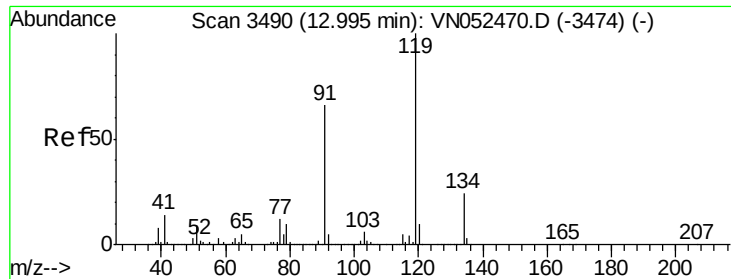
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#82
4-Chlorotoluene
Concen: 98.071 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 91 Resp: 3704861
Ion Ratio Lower Upper
91 100
126 34.0 16.9 50.6





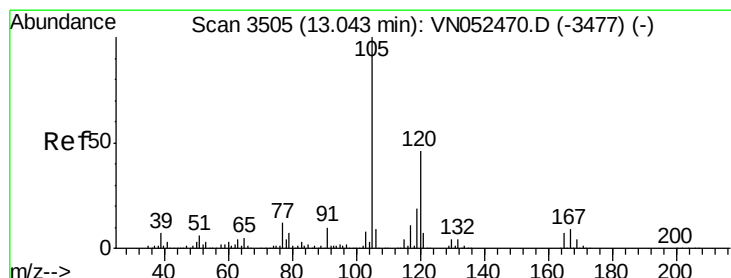
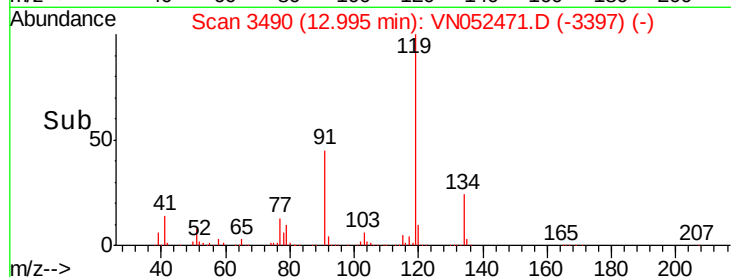
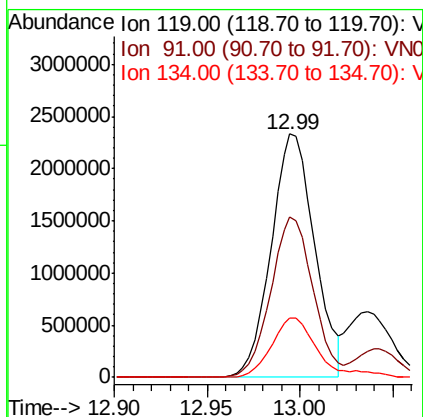
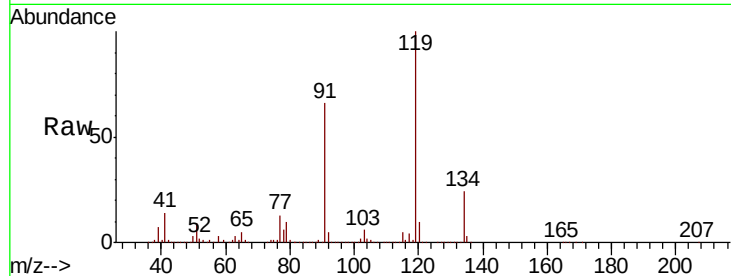
#83
 tert-Butylbenzene
 Concen: 96.718 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 3810146
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.3 96.9
 134 26.1 13.0 38.9

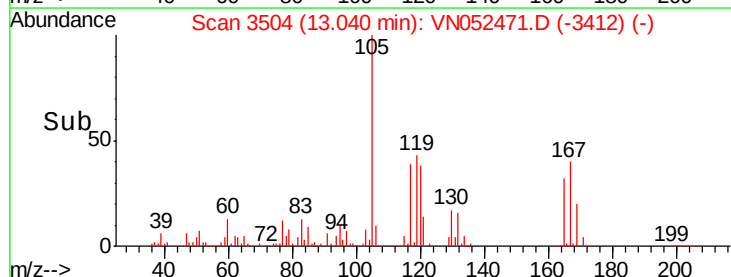
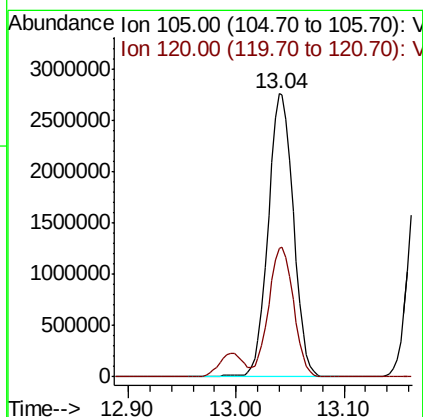
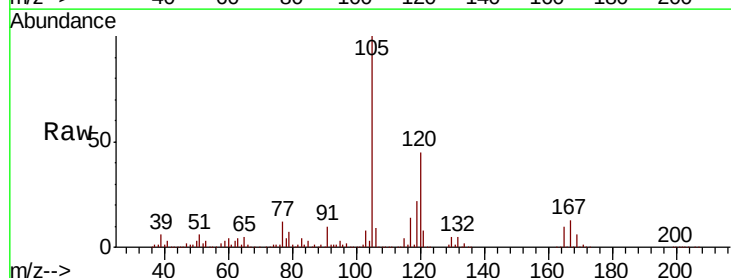
Manual Integrations
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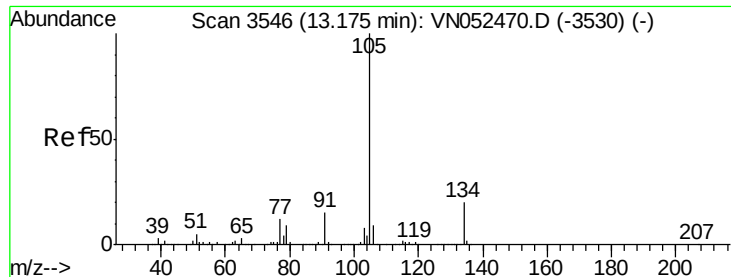
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#84
 1,2,4-Trimethylbenzene
 Concen: 100.987 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion:105 Resp: 4472156
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 99.015 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 5312770

Ion Ratio Lower Upper

105 100

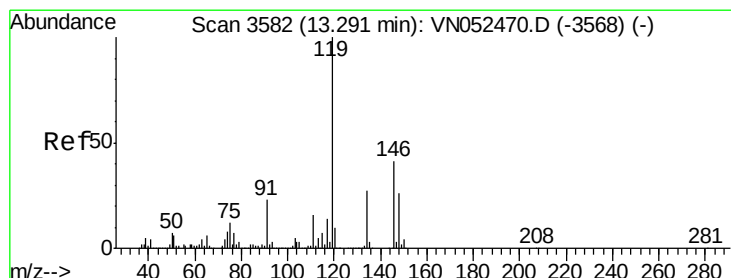
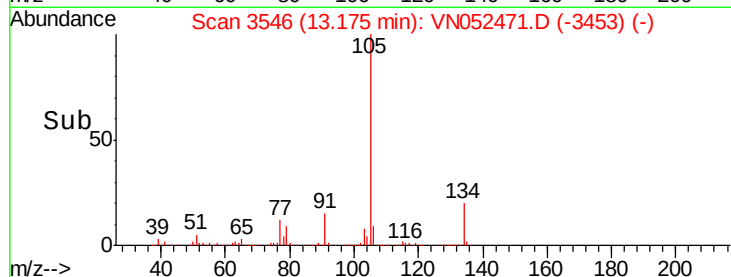
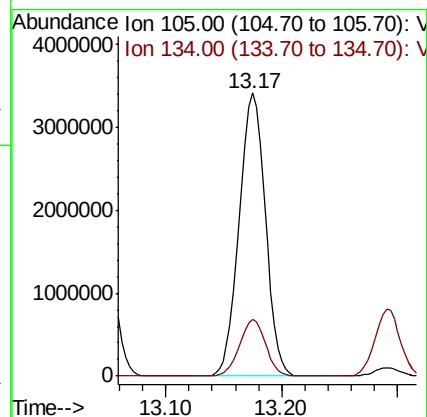
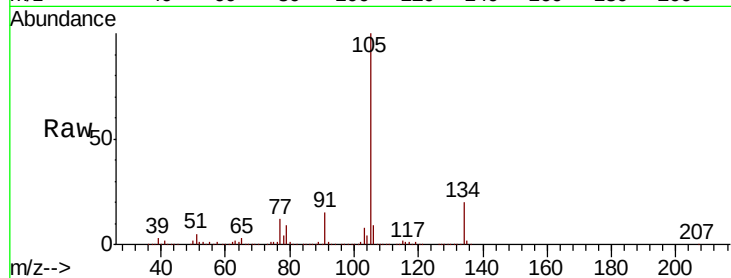
134 19.9 9.9 29.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 101.175 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052471.D

Acq: 27 Nov 2018 10:58

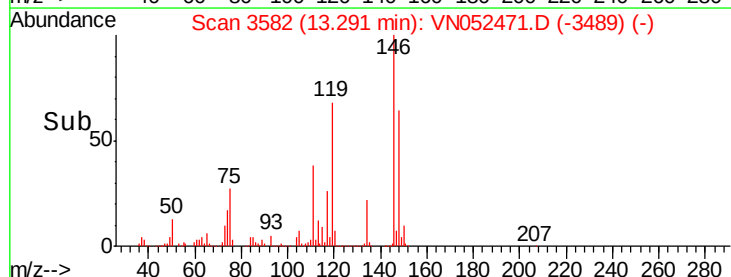
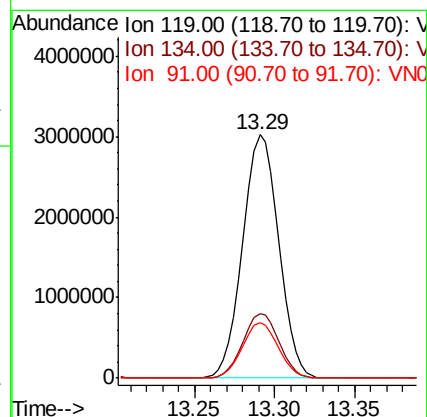
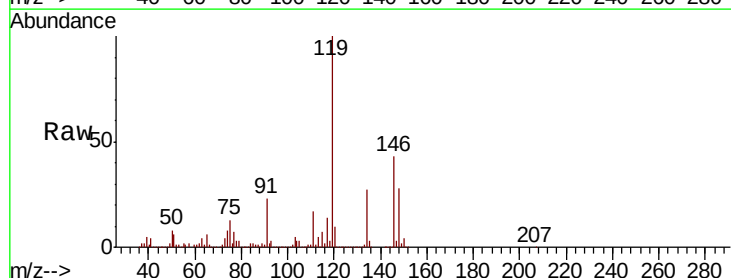
Tgt Ion:119 Resp: 4623783

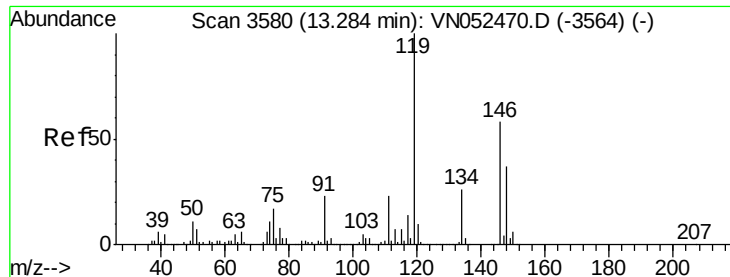
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.7 11.4 34.2





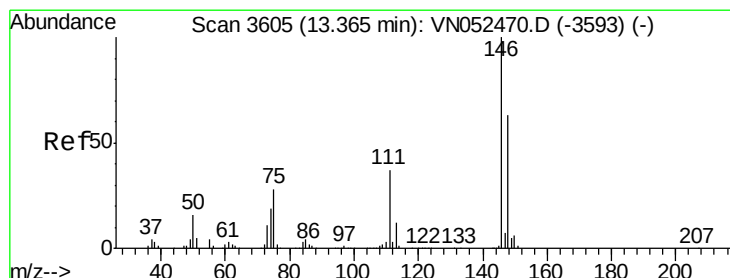
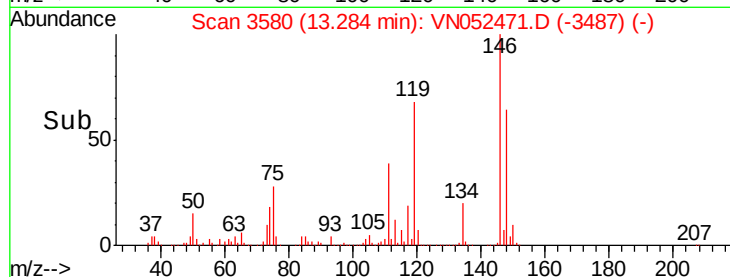
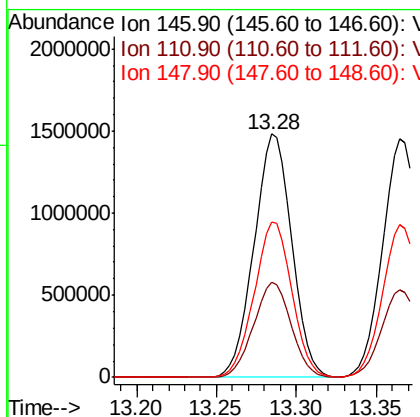
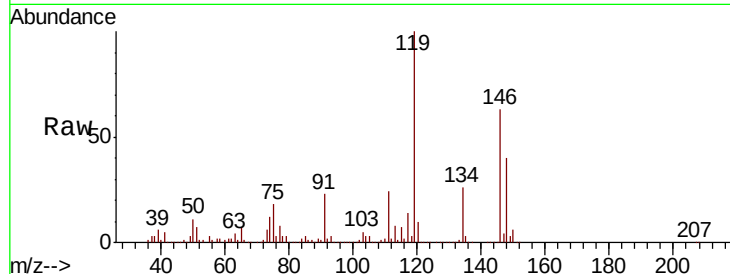
#87
 1,3-Dichlorobenzene
 Concen: 100.194 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 2400188
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.4
 148 63.8 31.8 95.4

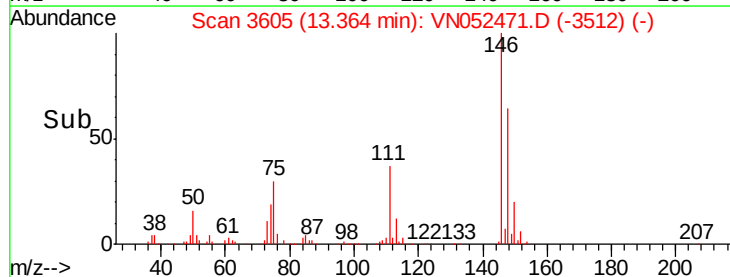
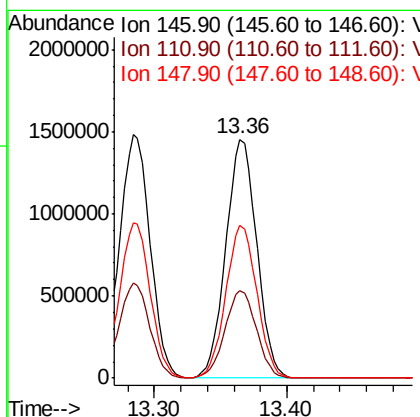
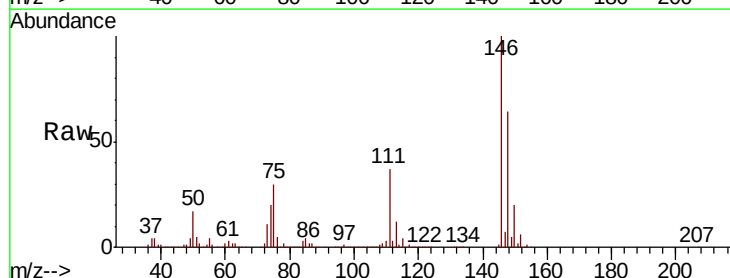
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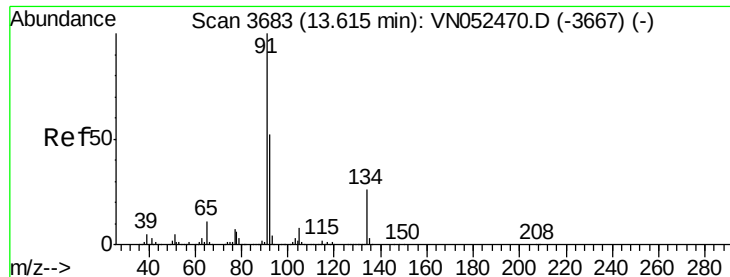
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#88
 1,4-Dichlorobenzene
 Concen: 99.834 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion:146 Resp: 2355741
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 64.2 31.9 95.9





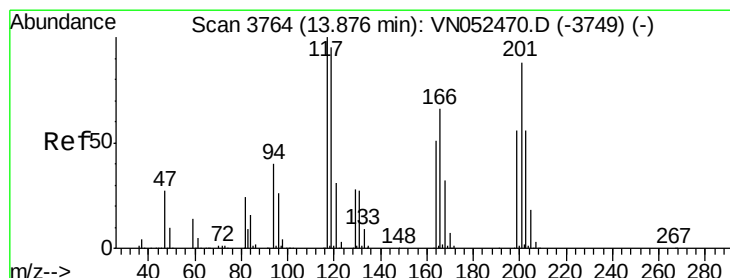
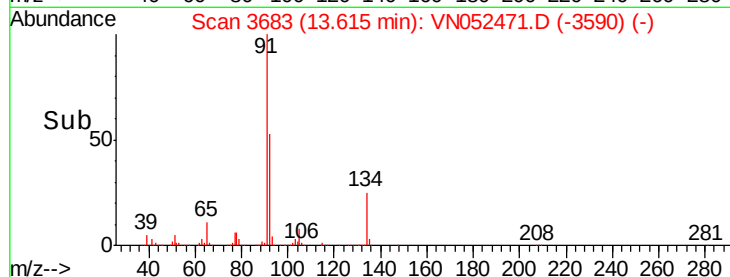
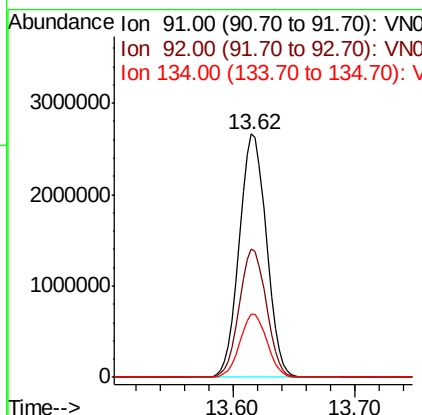
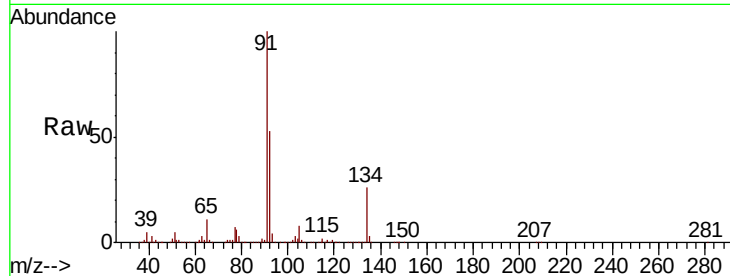
#89
n-Butylbenzene
Concen: 107.386 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 4081419
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.3
134 25.9 13.0 38.9

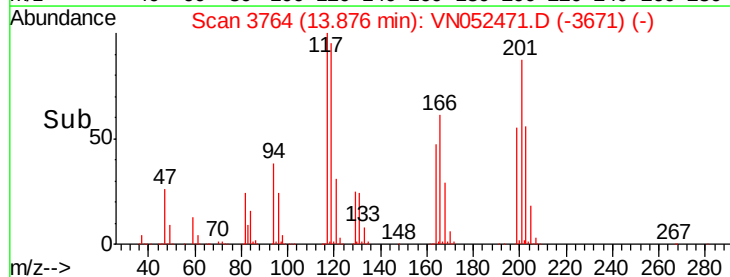
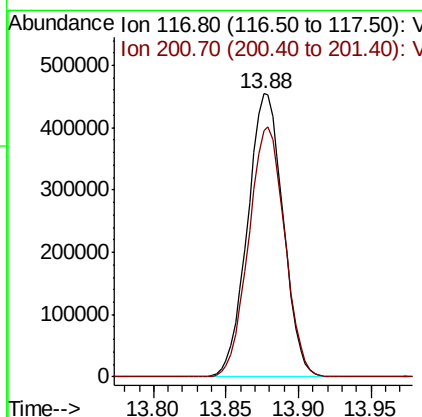
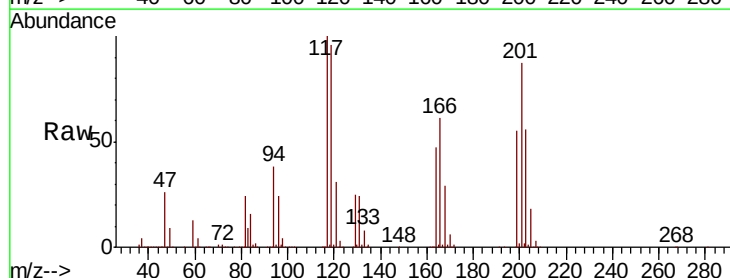
Manual Integrations
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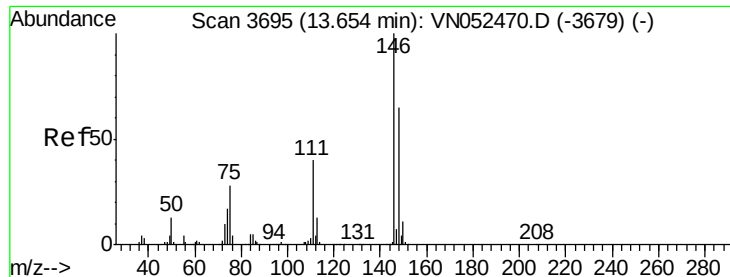
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#90
Hexachloroethane
Concen: 100.607 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion: 117 Resp: 778513
Ion Ratio Lower Upper
117 100
201 89.4 43.6 130.9





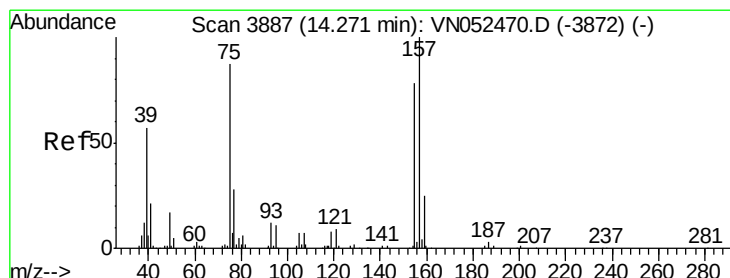
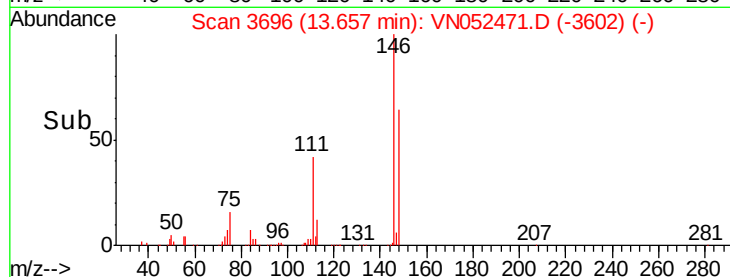
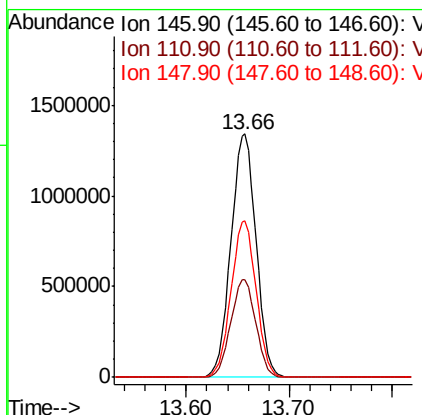
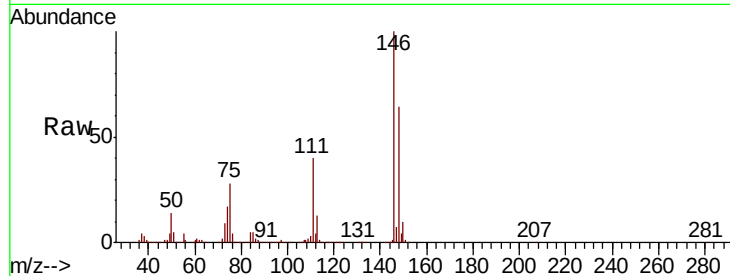
#91
 1,2-Dichlorobenzene
 Concen: 99.359 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	63.7	32.0	96.2

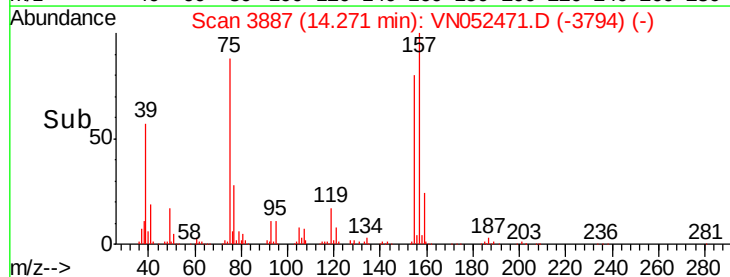
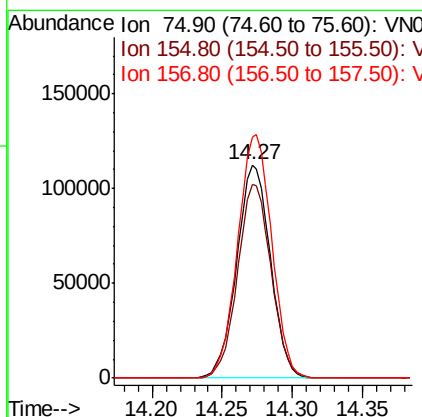
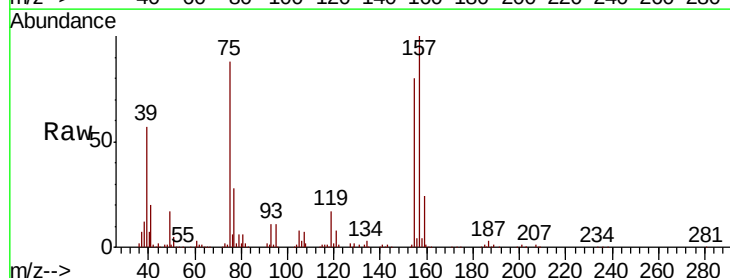
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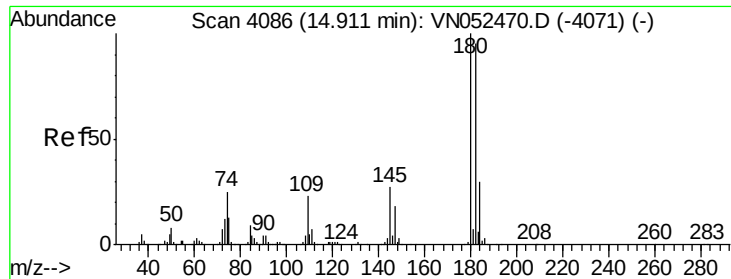
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.735 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.3	135.9
157	115.3	58.1	174.2





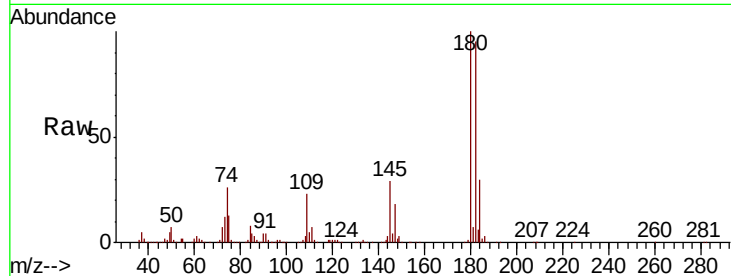
#93
 1,2,4-Trichlorobenzene
 Concen: 117.731 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.4
145	28.7	14.1	42.3

Manual Integrations
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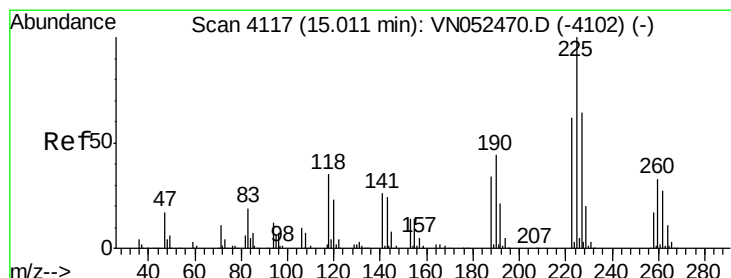
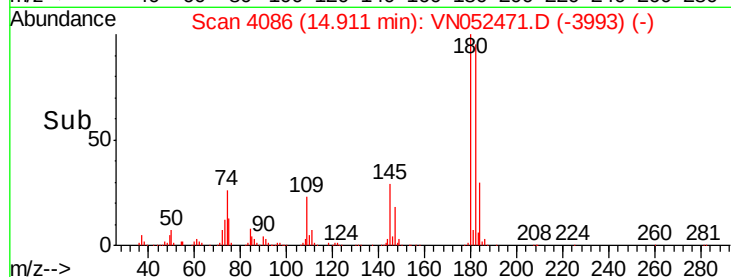
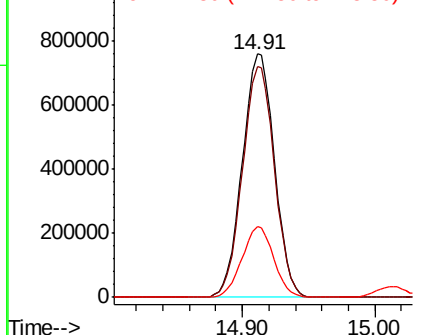


Abundance

Ion 179.80 (179.50 to 180.50): V

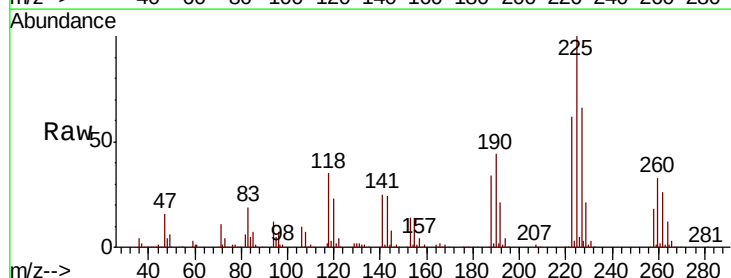
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 96.495 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052471.D
 Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.4	94.2
227	64.4	32.5	97.4

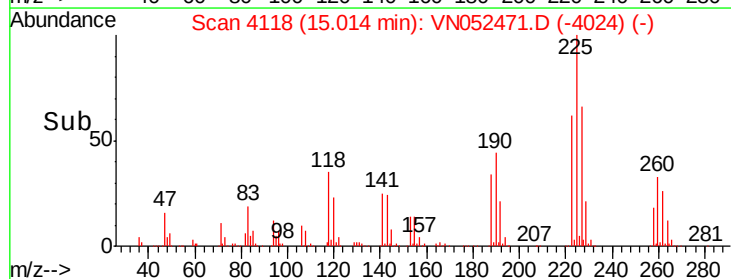
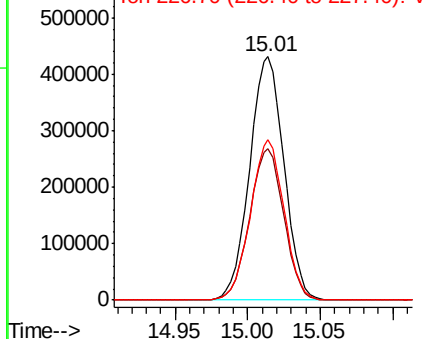


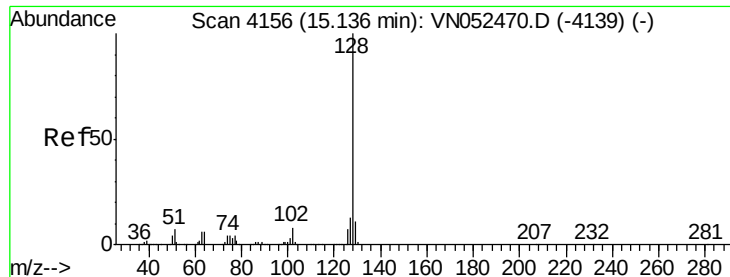
Abundance

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





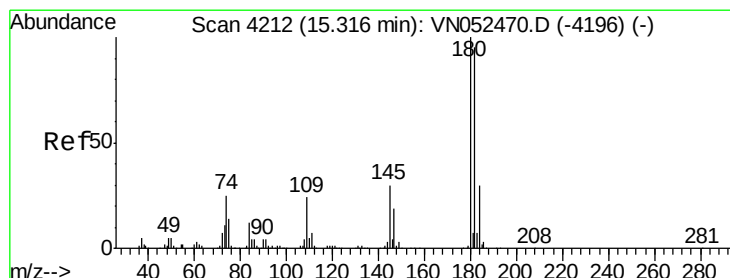
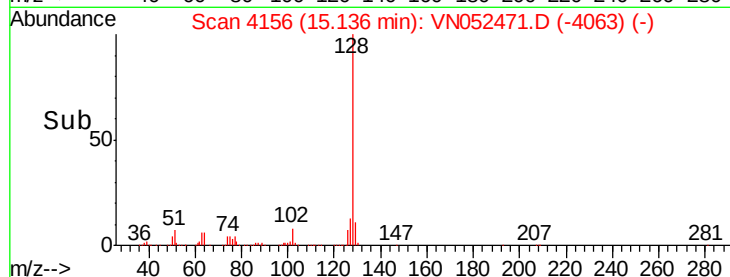
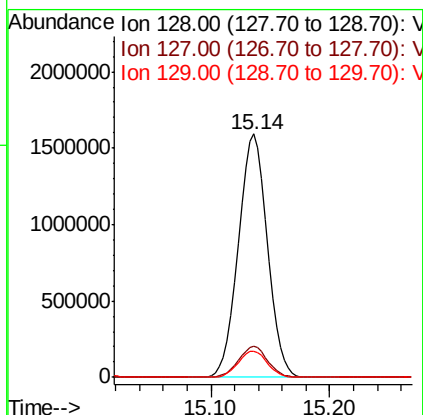
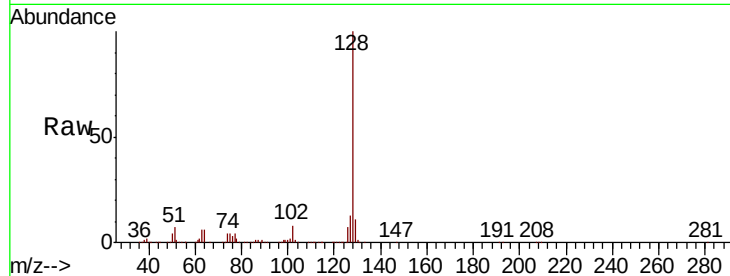
#95
Naphthalene
Concen: 120.226 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 115.030 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN052471.D
Acq: 27 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.3
145	30.1	15.2	45.5

