

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052473.D
 Acq On : 27 Nov 2018 11:58
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:47 AM

Quant Time: Nov 28 01:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1137366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1731406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1542601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	710446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	600105	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.59	113	536213	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.09	98	2080257	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	711770	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	505732	47.489	ug/l	97
3) Chloromethane	2.06	50	660893	47.014	ug/l	98
4) Vinyl Chloride	2.19	62	671307	46.488	ug/l	99
5) Bromomethane	2.57	94	400797	44.483	ug/l	100
6) Chloroethane	2.71	64	402327	45.996	ug/l	100
7) Trichlorofluoromethane	3.02	101	844734	47.623	ug/l	99
8) Diethyl Ether	3.41	74	320125	48.871	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	545000	49.240	ug/l	99
10) Methyl Iodide	3.96	142	719106	48.780	ug/l	99
11) Tert butyl alcohol	4.78	59	125230	201.994	ug/l	99
12) 1,1-Dichloroethene	3.74	96	510326	47.899	ug/l	99
13) Acrolein	3.61	56	262561	242.587	ug/l	99
14) Allyl chloride	4.33	41	911386	49.633	ug/l	99
15) Acrylonitrile	4.99	53	937458	238.874	ug/l	99
16) Acetone	3.82	43	786573	240.810	ug/l	100
17) Carbon Disulfide	4.06	76	1580990	47.154	ug/l	100
18) Methyl Acetate	4.33	43	452801	48.328	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1393819	49.170	ug/l	99
20) Methylene Chloride	4.55	84	573982	44.905	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	546669	48.043	ug/l	97
22) Diisopropyl ether	5.95	45	1853171	48.046	ug/l	99
23) Vinyl Acetate	5.90	43	6029106	250.962	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1047638	47.571	ug/l	100
25) 2-Butanone	6.83	43	1118124	241.510	ug/l	98
26) 2,2-Dichloropropane	6.83	77	768479	50.414	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	624569	47.120	ug/l	99
28) Bromochloromethane	7.19	49	469511	46.677	ug/l	98
29) Tetrahydrofuran	7.21	42	690367	231.189	ug/l	99
30) Chloroform	7.37	83	1010204	45.977	ug/l	98
31) Cyclohexane	7.65	56	1022091	47.935	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	838614	48.173	ug/l	99
36) 1,1-Dichloropropene	7.79	75	803096	49.119	ug/l	99
37) Ethyl Acetate	6.93	43	482313	48.336	ug/l	99
38) Carbon Tetrachloride	7.77	117	728571	49.224	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1023180	51.486	ug/l	99
40) Benzene	8.04	78	2367073	48.579	ug/l	100
41) Methacrylonitrile	7.17	41	256135	46.952	ug/l	94
42) 1,2-Dichloroethane	8.12	62	720477	48.833	ug/l	100
43) Isopropyl Acetate	8.16	43	845198	50.052	ug/l	99
44) Trichloroethene	8.84	130	609948	48.869	ug/l	100
45) 1,2-Dichloropropane	9.12	63	631581	48.754	ug/l	98
46) Dibromomethane	9.21	93	350206	48.833	ug/l	99
47) Bromodichloromethane	9.40	83	766208	49.141	ug/l	100
48) Methyl methacrylate	9.20	41	443620	50.382	ug/l	99
49) 1,4-Dioxane	9.20	88	66610	728.922	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	2348329	247.859	ug/l	99
52) Toluene	10.16	92	1453489	50.206	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	782566	52.171	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	932581	51.881	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	499250	49.026	ug/l	99
56) Ethyl methacrylate	10.43	69	659295	46.805	ug/l	100
57) 1,3-Dichloropropane	10.71	76	876136	48.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1836930	248.590	ug/l	100
59) 2-Hexanone	10.75	43	1646315	258.903	ug/l	99
60) Dibromochloromethane	10.90	129	555416	50.217	ug/l	99
61) 1,2-Dibromoethane	11.01	107	498653	49.302	ug/l	99
64) Tetrachloroethene	10.63	164	570311	47.684	ug/l	99
65) Chlorobenzene	11.44	112	1570436	49.372	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	545722	49.342	ug/l	100
67) Ethyl Benzene	11.51	91	2804578	50.350	ug/l	99
68) m/p-Xylenes	11.62	106	2094101	100.986	ug/l	100
69) o-Xylene	11.95	106	1016078	50.459	ug/l	99
70) Styrene	11.97	104	1654323	51.580	ug/l	100
71) Bromoform	12.13	173	372468	50.863	ug/l #	99
73) Isopropylbenzene	12.25	105	2727744	48.938	ug/l	100
74) N-amyl acetate	12.07	43	727456	51.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	602231	47.497	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	519591m	47.428	ug/l	
77) Bromobenzene	12.53	156	665933	48.336	ug/l	100
78) n-propylbenzene	12.59	91	3189546	50.370	ug/l	100
79) 2-Chlorotoluene	12.68	91	1837738	48.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2238198	50.348	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	165634	50.490	ug/l	99
82) 4-Chlorotoluene	12.77	91	1866866	49.123	ug/l	99
83) tert-Butylbenzene	12.99	119	1948190	49.158	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2254962	50.616	ug/l	100
85) sec-Butylbenzene	13.17	105	2711411	50.231	ug/l	99
86) p-Isopropyltoluene	13.29	119	2346427	51.037	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1191721	49.451	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1169860	49.283	ug/l	100
89) n-Butylbenzene	13.62	91	2046176	53.515	ug/l	100
90) Hexachloroethane	13.88	117	387760	49.811	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1139610	49.496	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89159	49.166	ug/l	99

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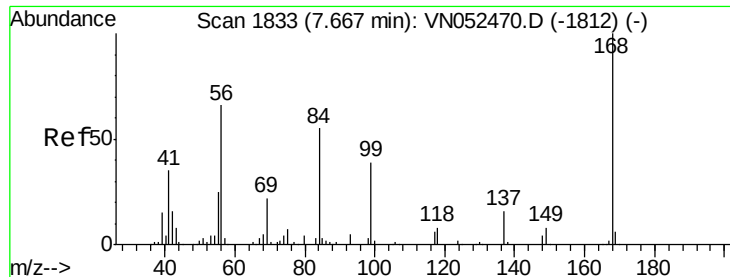
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	598264	47.578	ug/l	99
94) Hexachlorobutadiene	15.01	225	391455	52.849	ug/l	99
95) Naphthalene	15.14	128	1194075	45.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	537265	46.529	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion:168 Resp: 1137366

Ion Ratio Lower Upper

168 100

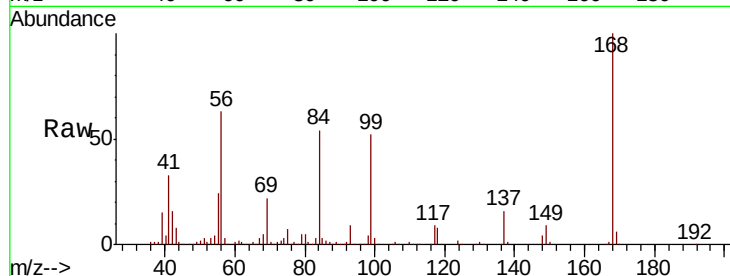
99 51.8 41.7 62.5

Manual Integrations

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11/28/2018 9:33:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

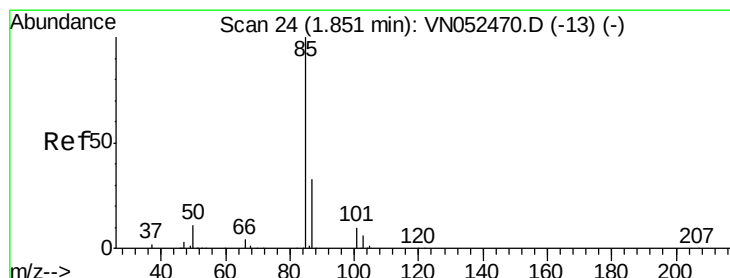
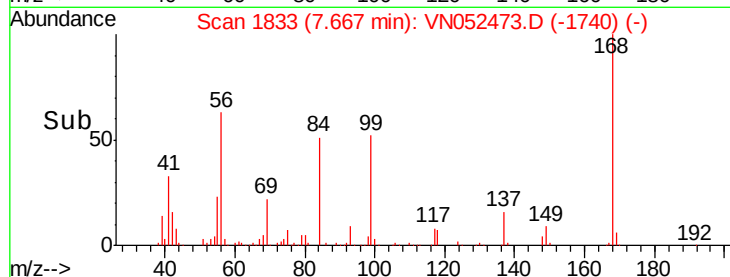
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.489 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052473.D

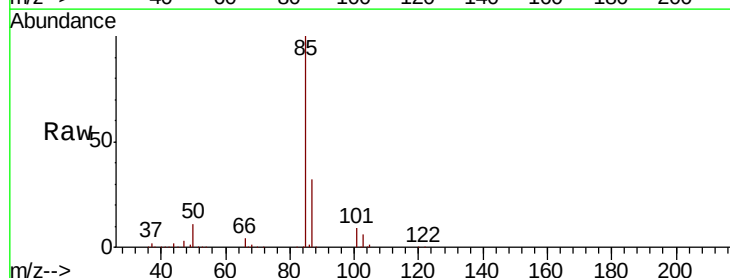
Acq: 27 Nov 2018 11:58

Tgt Ion: 85 Resp: 505732

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

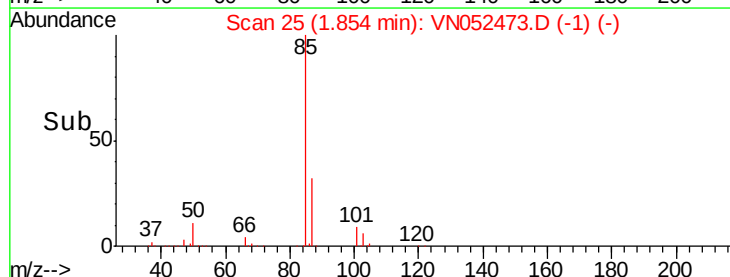
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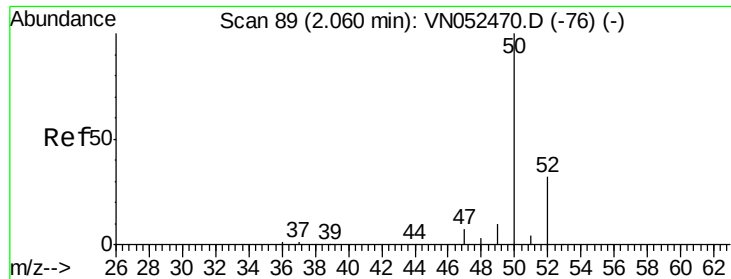
200000

100000

0

Time-->





#3

Chloromethane

Concen: 47.014 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 50 Resp: 660893

Ion Ratio Lower Upper

50 100

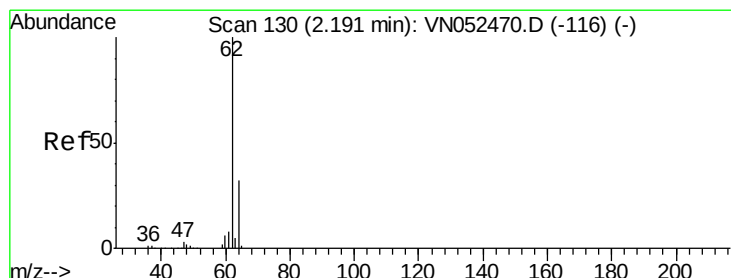
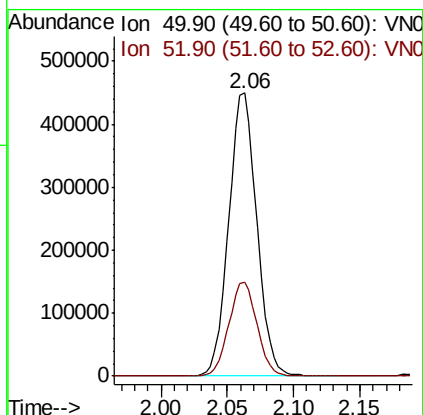
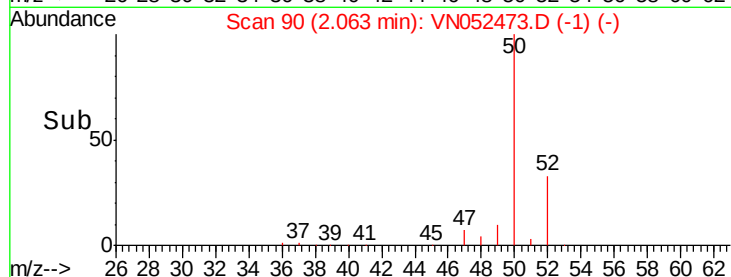
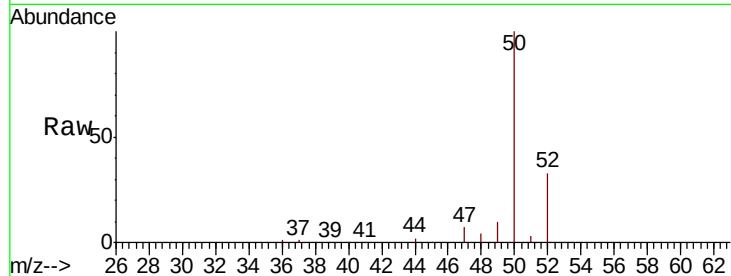
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.488 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052473.D

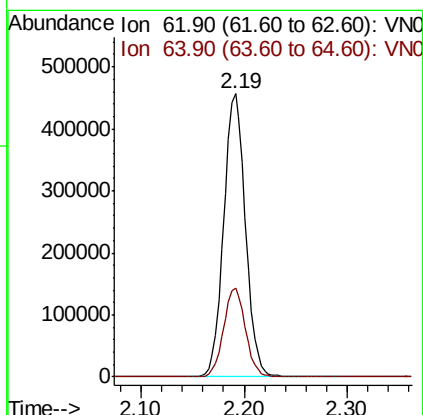
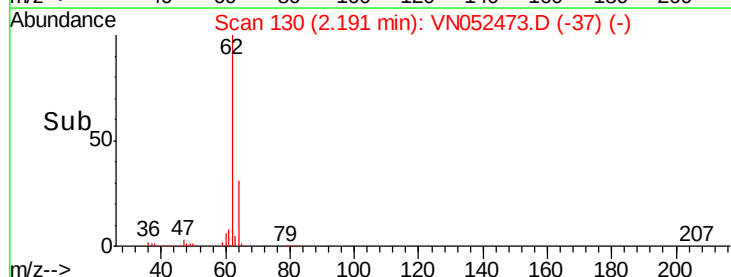
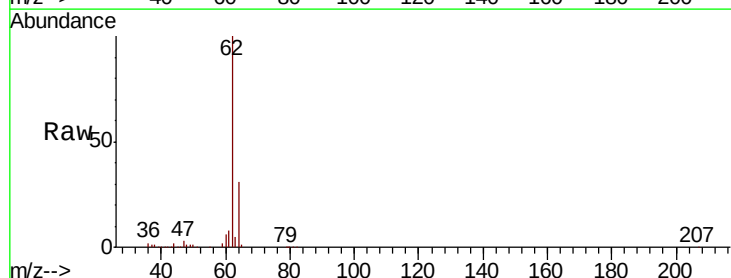
Acq: 27 Nov 2018 11:58

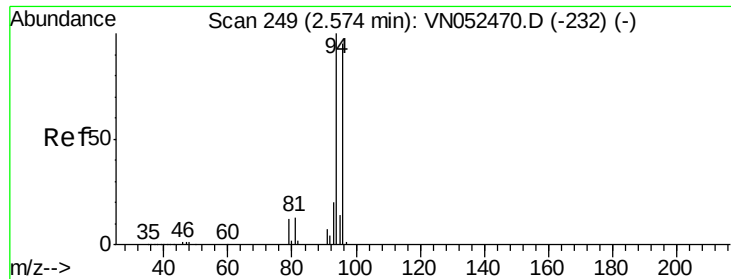
Tgt Ion: 62 Resp: 671307

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 44.483 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

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Acq: 27 Nov 2018 11:58

Instrument :

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ICVVN112718

Tgt Ion: 94 Resp: 400797

Ion Ratio Lower Upper

94 100

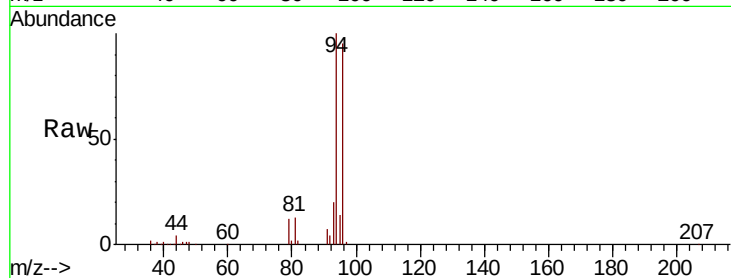
96 95.1 75.8 113.8

Manual Integrations

APPROVED

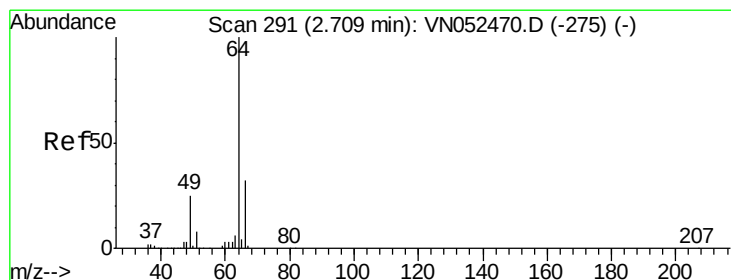
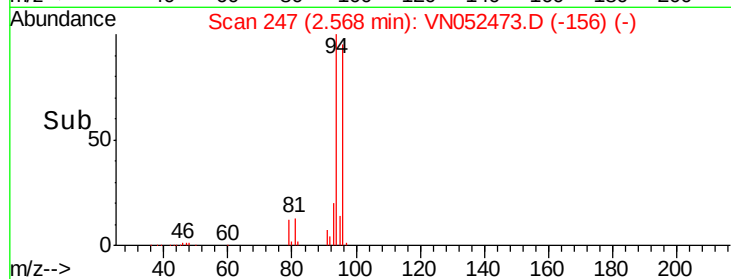
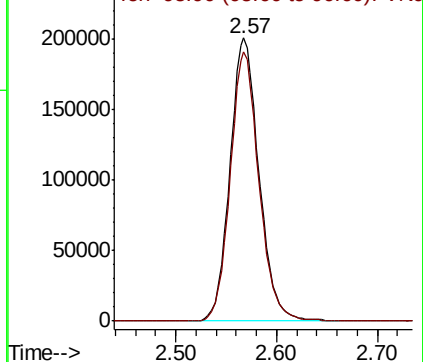
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.996 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052473.D

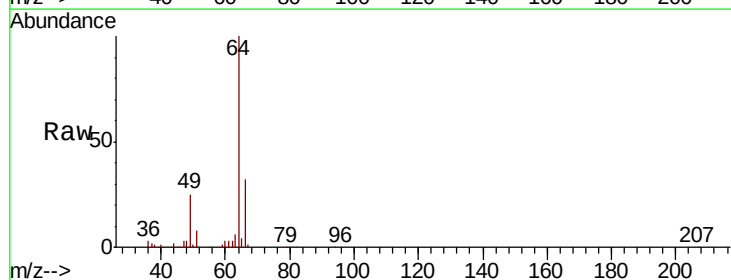
Acq: 27 Nov 2018 11:58

Tgt Ion: 64 Resp: 402327

Ion Ratio Lower Upper

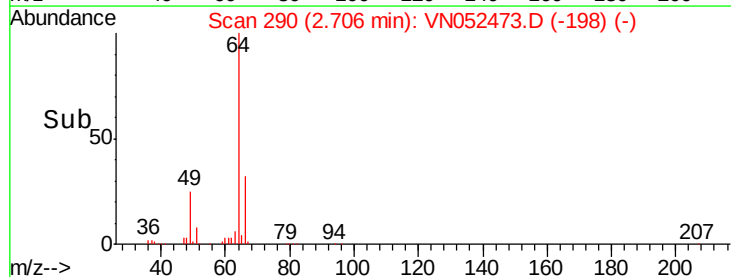
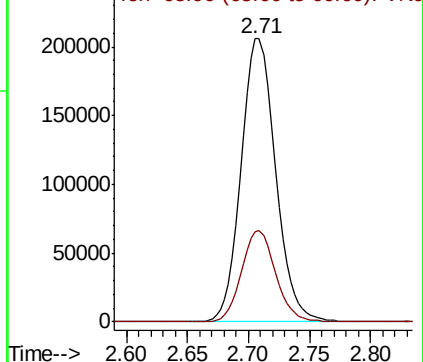
64 100

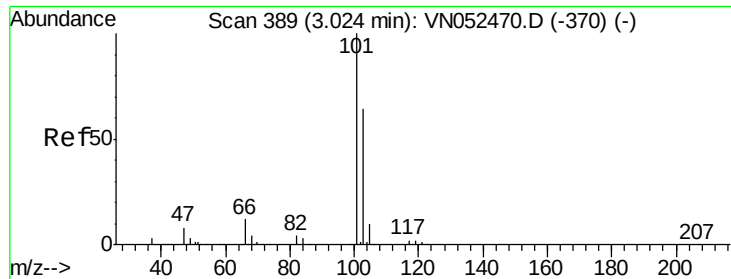
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

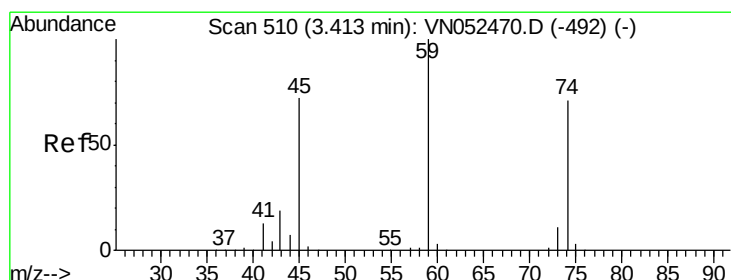
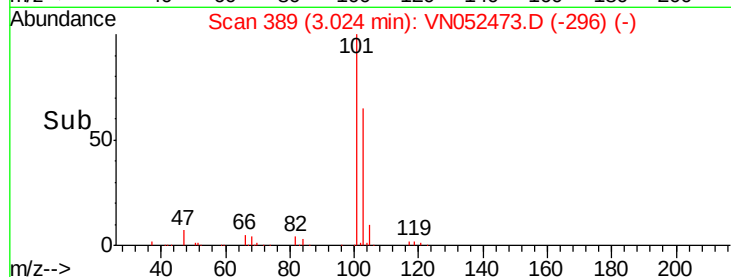
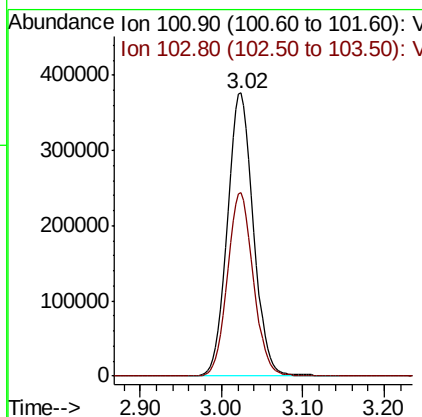
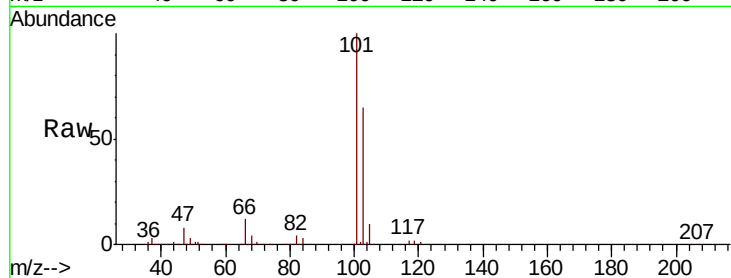
Trichlorofluoromethane
Concen: 47.623 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.2

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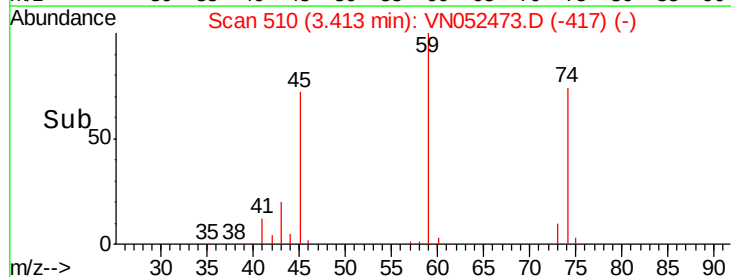
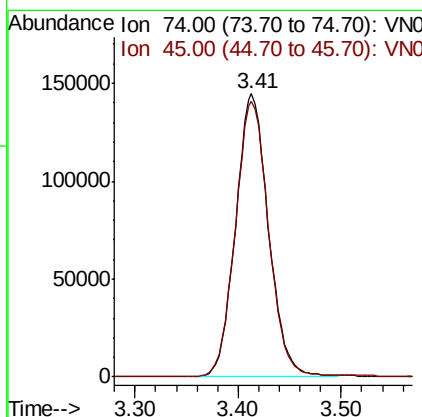
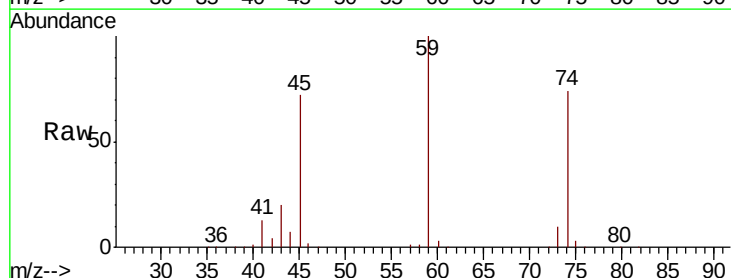
MMDadoda
11/28/2018 9:33:47 AM

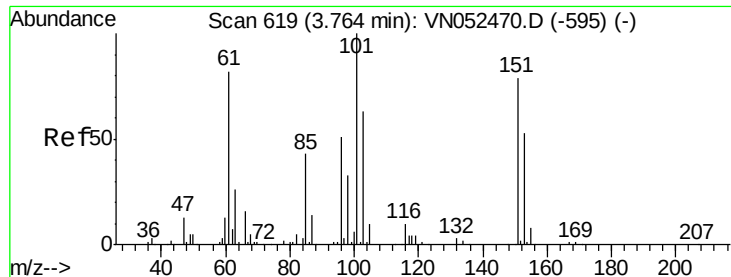


#8

Diethyl Ether
Concen: 48.871 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.240 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052473.D

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Instrument :

MSVOA_N

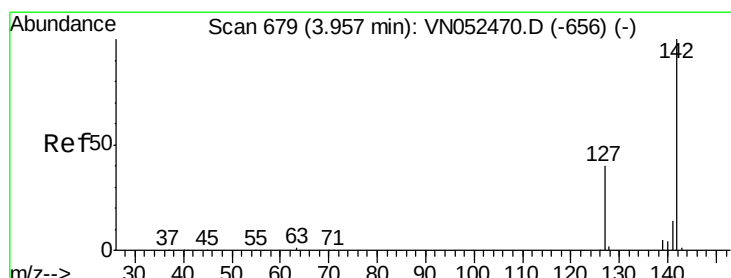
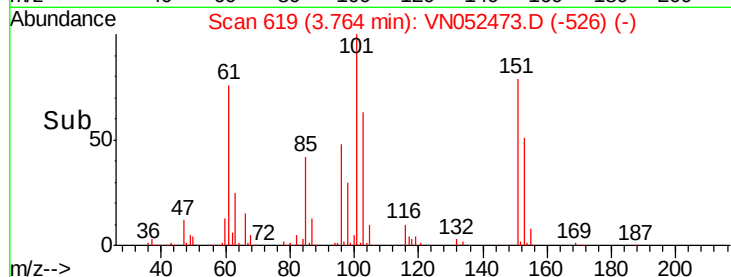
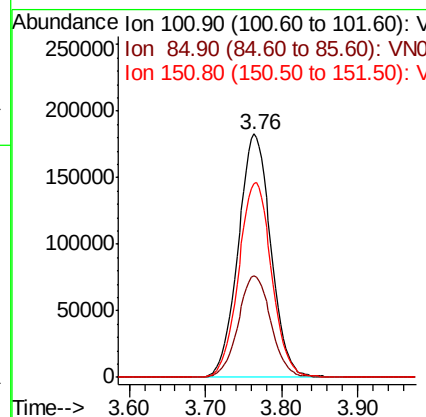
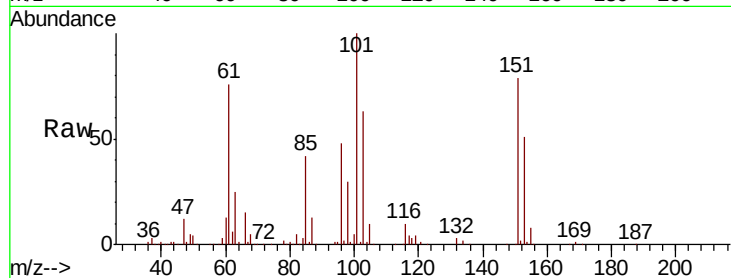
ClientSampleId :

ICVVN112718

Tgt Ion:	101	Resp:	545000
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	81.1	64.6	96.8

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 48.780 ug/l

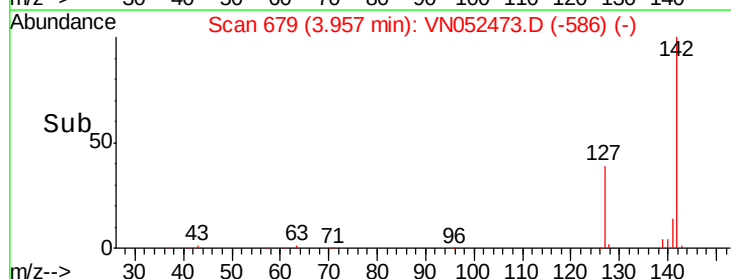
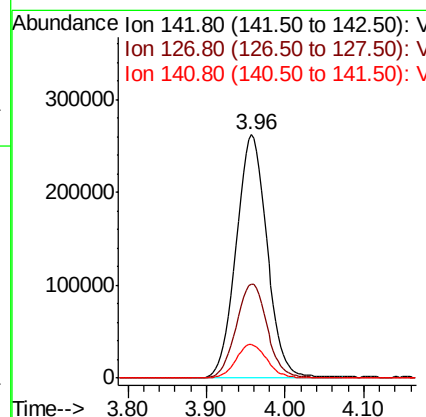
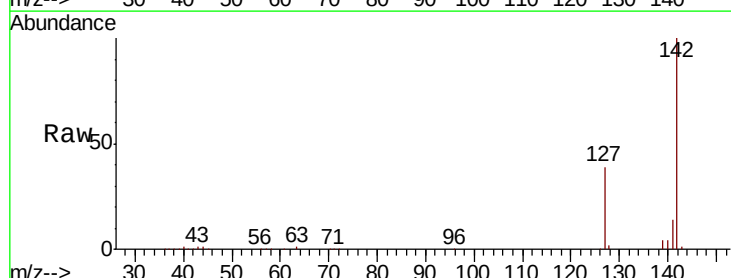
RT: 3.96 min Scan# 679

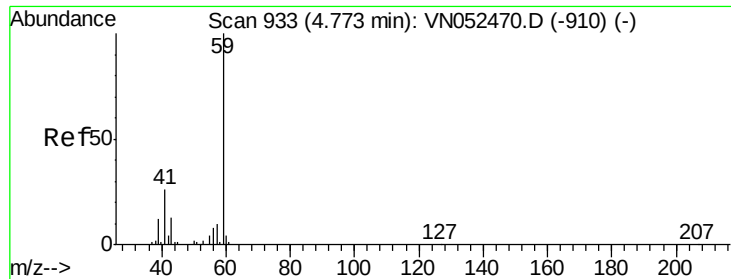
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion:	142	Resp:	719106
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.8	47.6
141	13.9	11.4	17.0





#11

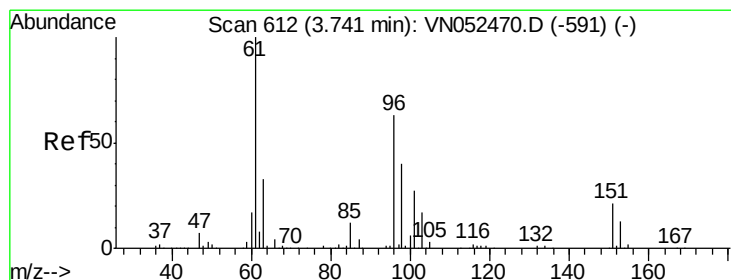
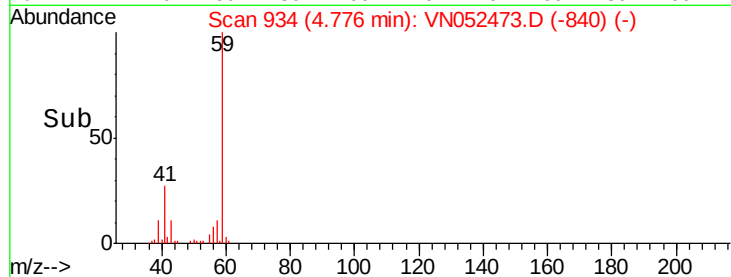
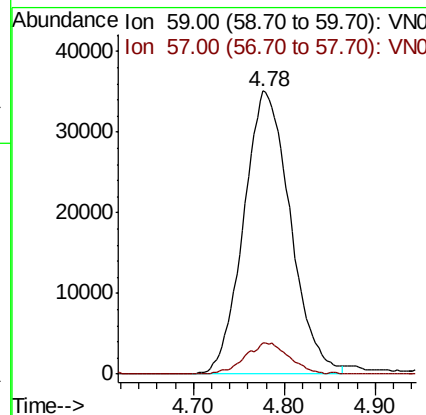
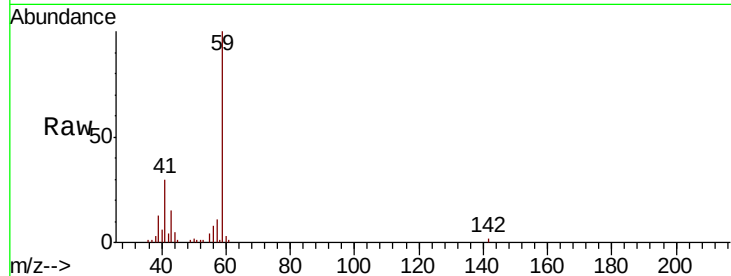
Tert butyl alcohol
Concen: 201.994 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

Manual Integrations
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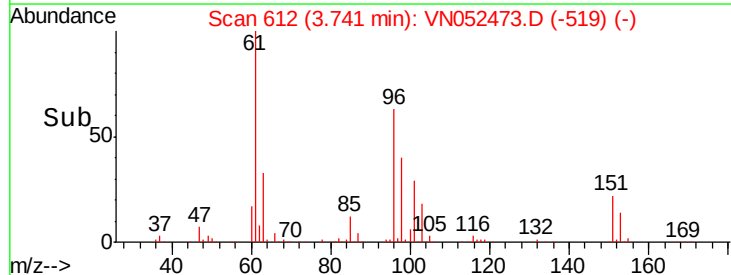
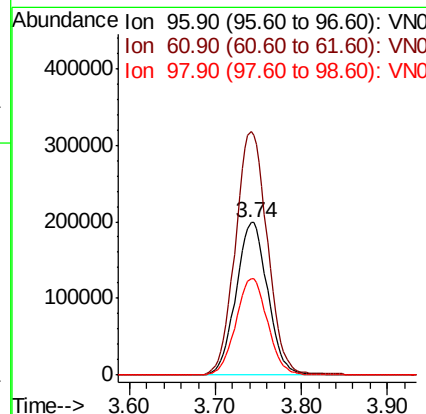
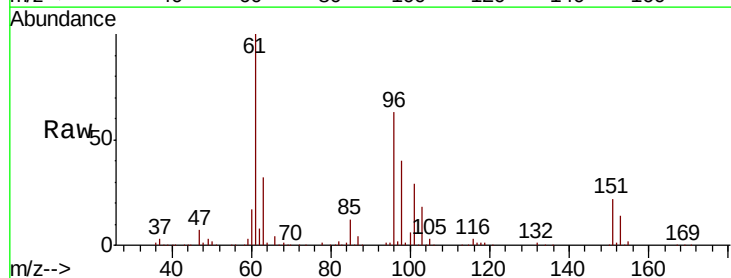
MMDadoda
11/28/2018 9:33:47 AM

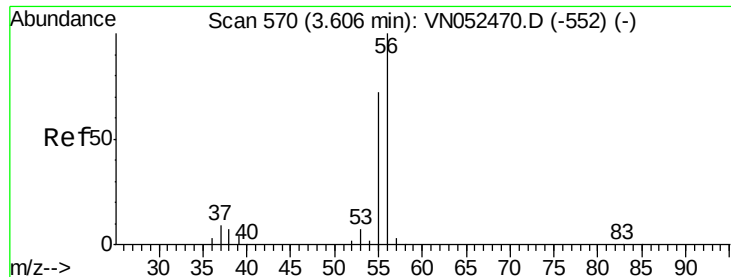


#12

1,1-Dichloroethene
Concen: 47.899 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	127.0	190.6
98	63.5	50.3	75.5





#13

Acrolein

Concen: 242.587 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 56 Resp: 262561

Ion Ratio Lower Upper

56 100

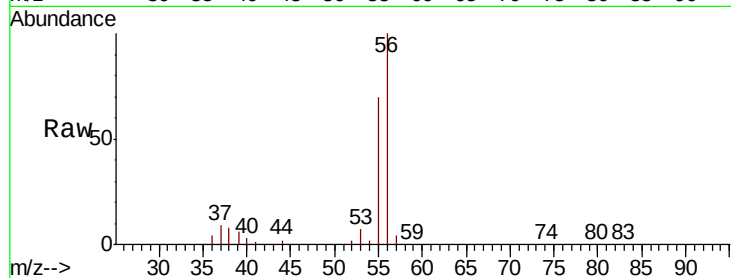
55 70.0 56.8 85.2

Manual Integrations

APPROVED

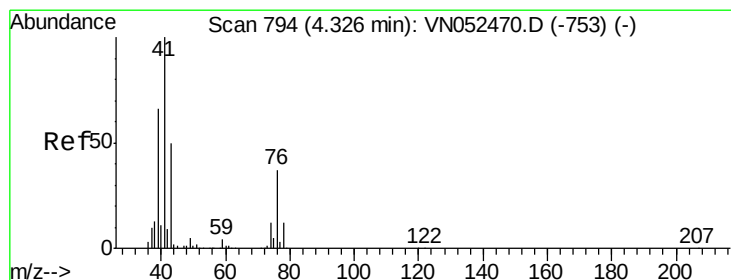
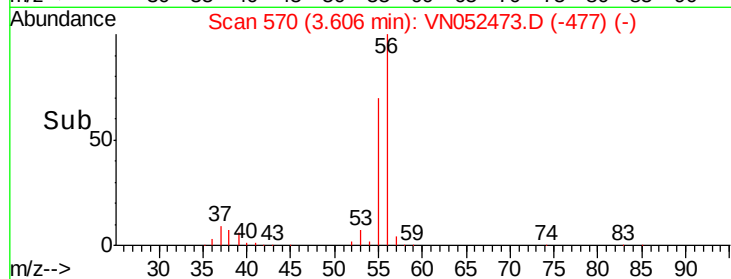
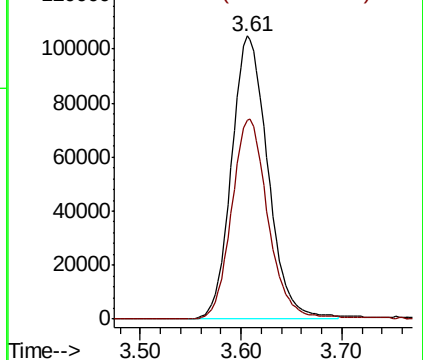
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.633 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

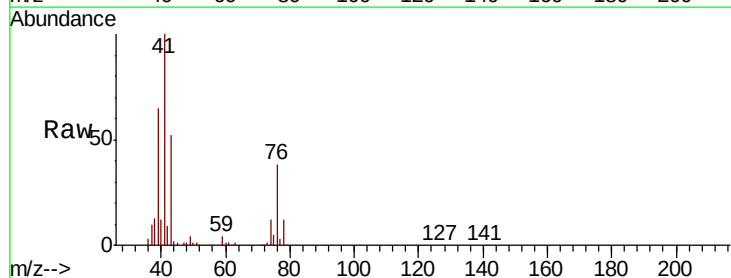
Tgt Ion: 41 Resp: 911386

Ion Ratio Lower Upper

41 100

39 63.4 50.6 76.0

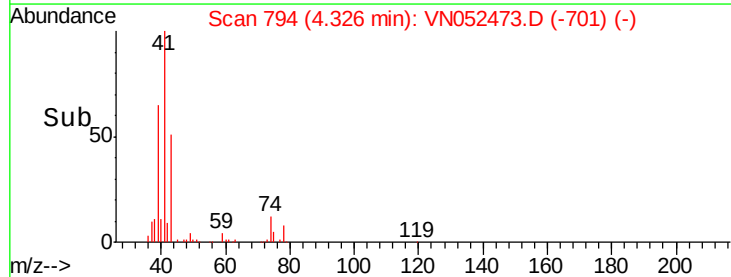
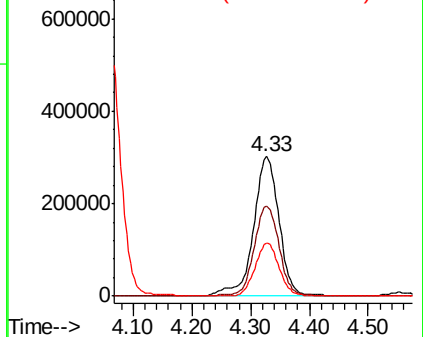
76 35.4 27.4 41.2

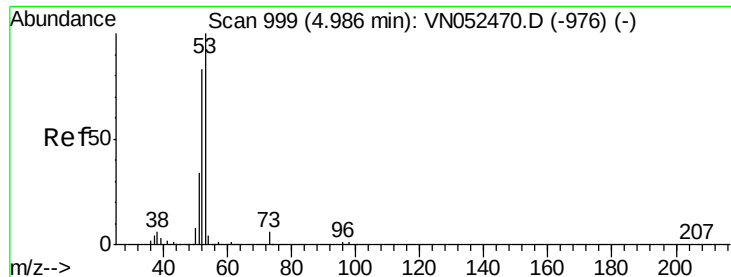


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 238.874 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

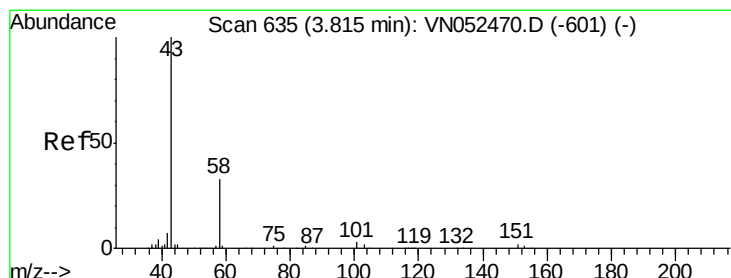
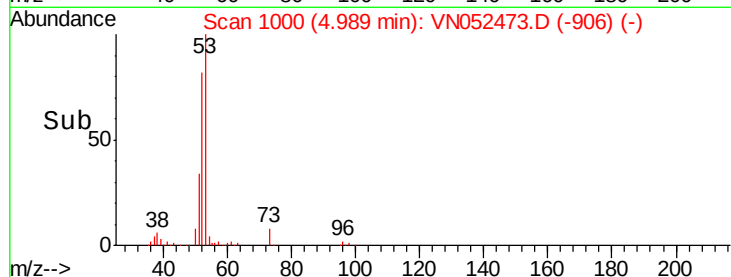
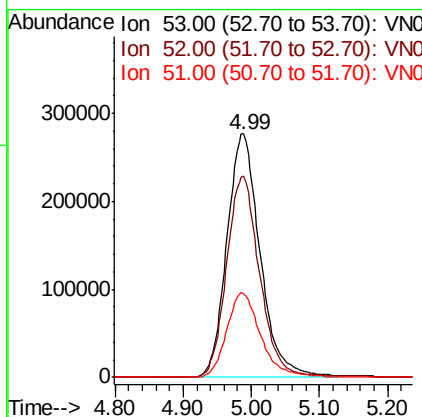
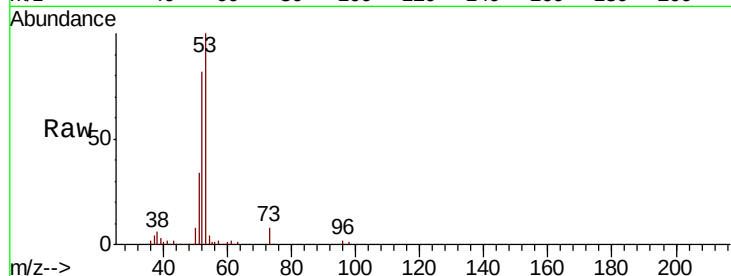
ClientSampleId :

ICVVN112718

Tgt Ion:	53	Resp:	937458
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 240.810 ug/l

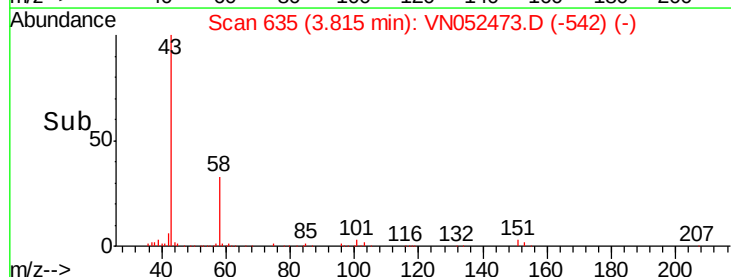
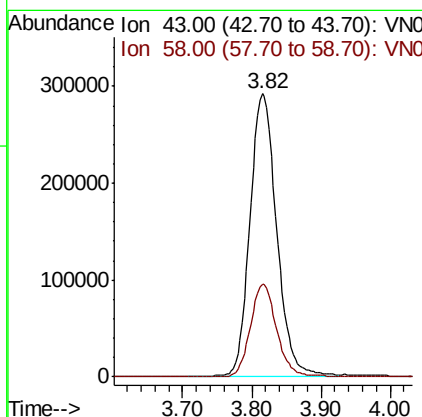
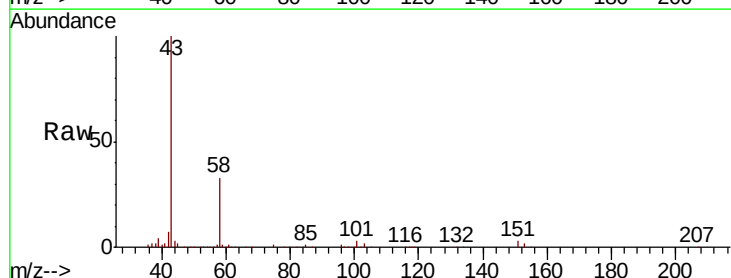
RT: 3.82 min Scan# 635

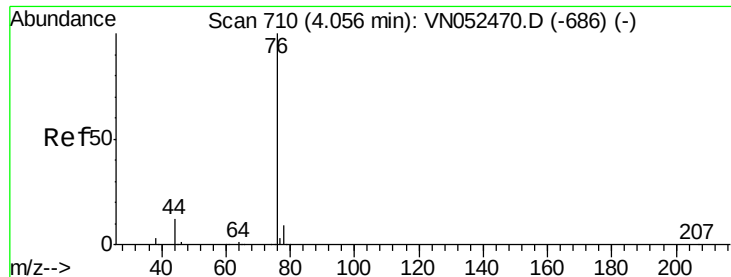
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion:	43	Resp:	786573
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.0	39.0





#17

Carbon Disulfide

Concen: 47.154 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 76 Resp: 1580990

Ion Ratio Lower Upper

76 100

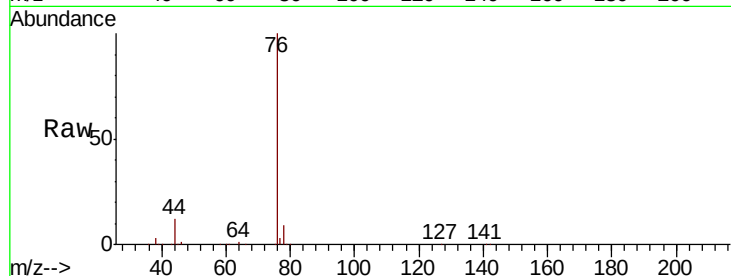
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052473.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052473.D (-617) (-)

4.06

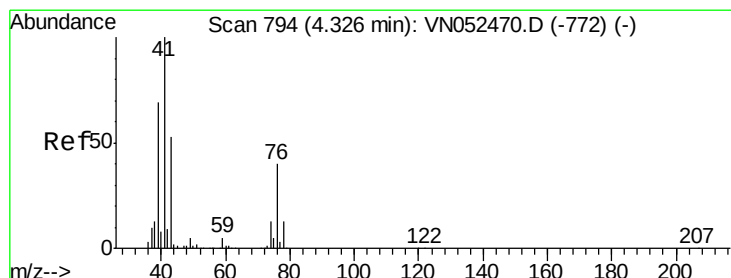
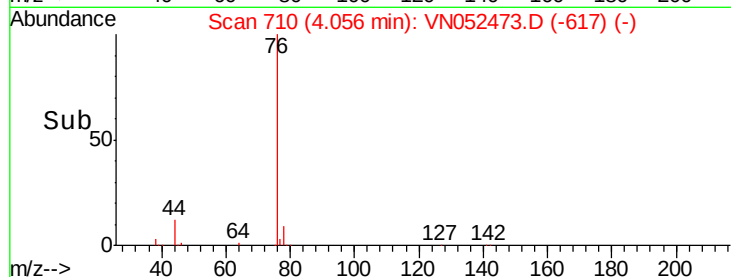
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 48.328 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052473.D

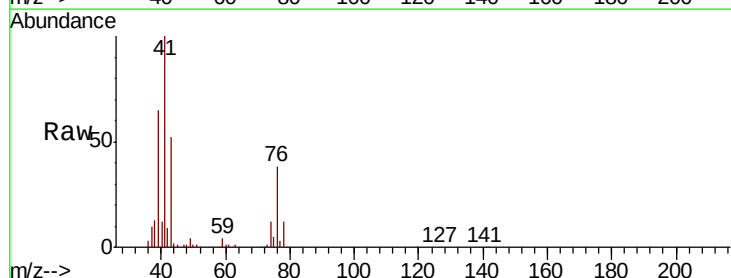
Acq: 27 Nov 2018 11:58

Tgt Ion: 43 Resp: 452801

Ion Ratio Lower Upper

43 100

74 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052473.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052473.D (-701) (-)

4.33

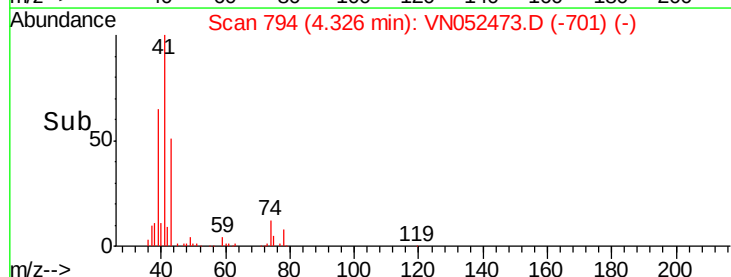
150000

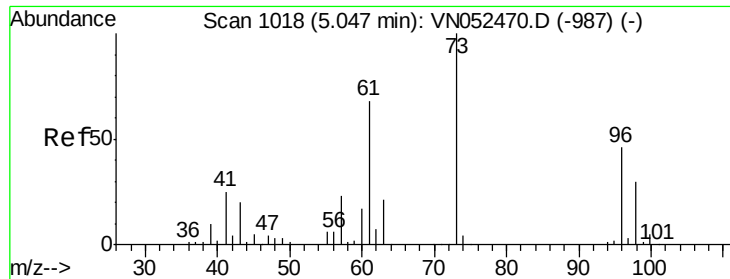
100000

50000

0

Time-->





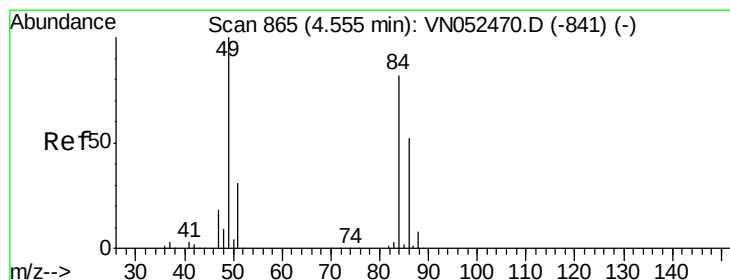
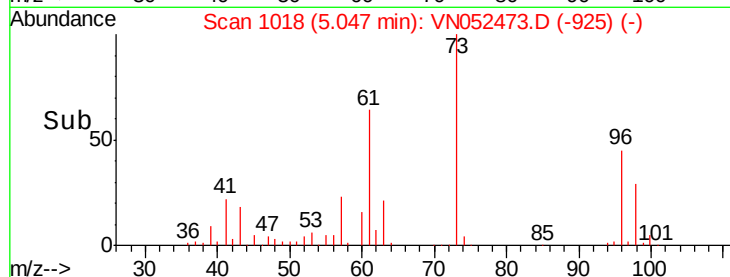
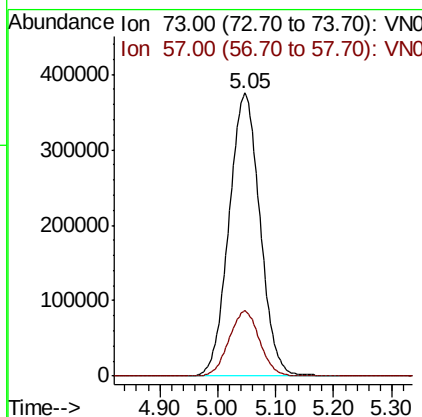
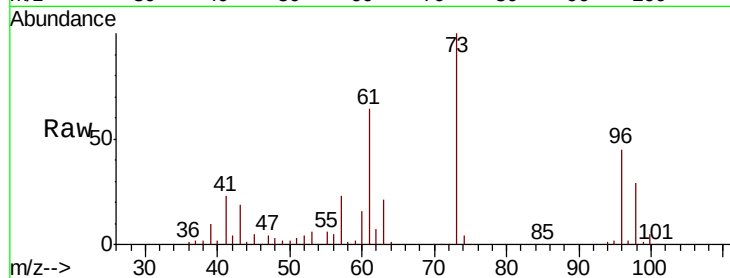
#19
Methyl tert-butyl Ether
Concen: 49.170 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 73 Resp: 1393819
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.2

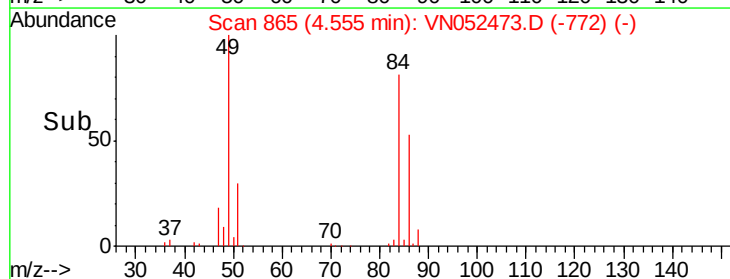
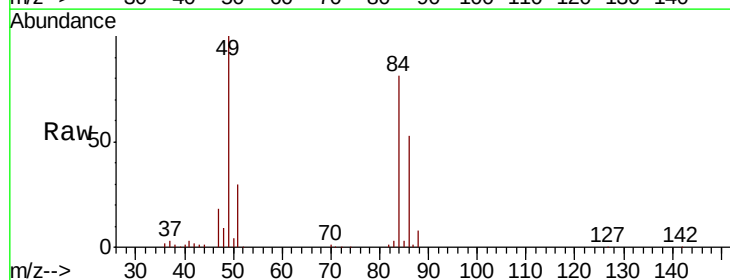
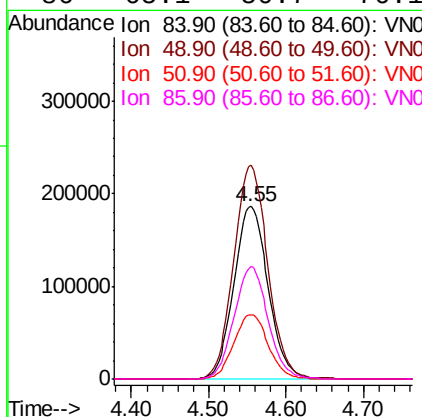
Manual Integrations
APPROVED

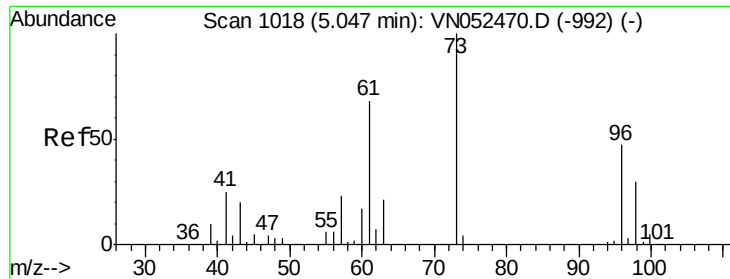
MMDadoda
11/28/2018 9:33:47 AM



#20
Methylene Chloride
Concen: 44.905 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 84 Resp: 573982
Ion Ratio Lower Upper
84 100
49 123.8 98.0 147.0
51 37.2 30.1 45.1
86 65.1 50.7 76.1





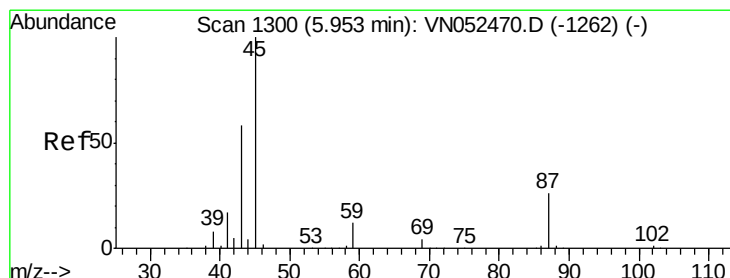
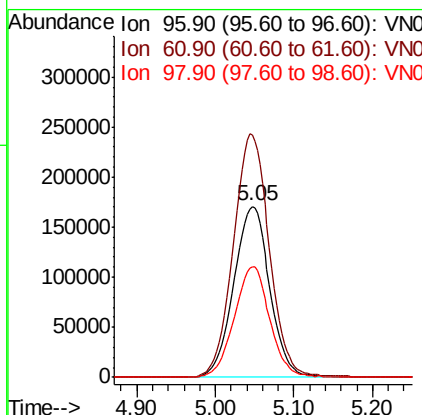
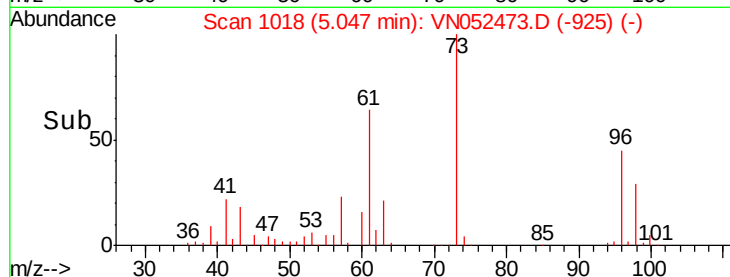
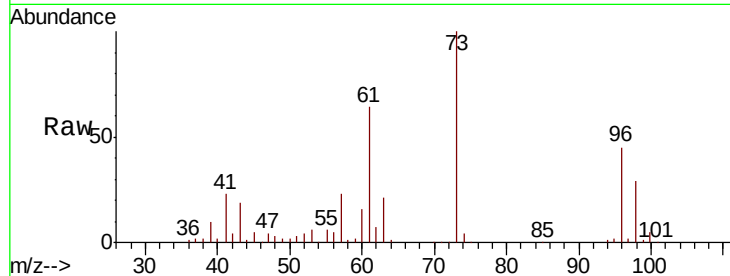
#21
trans-1,2-Dichloroethene
Concen: 48.043 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	117.0	175.4
98	64.7	51.8	77.6

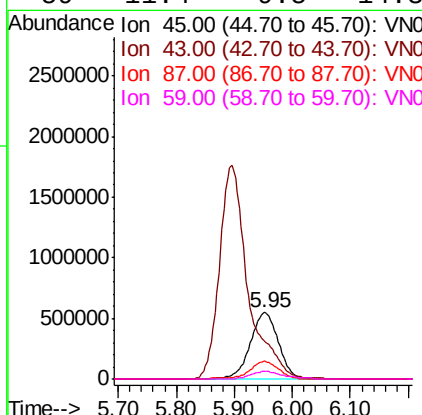
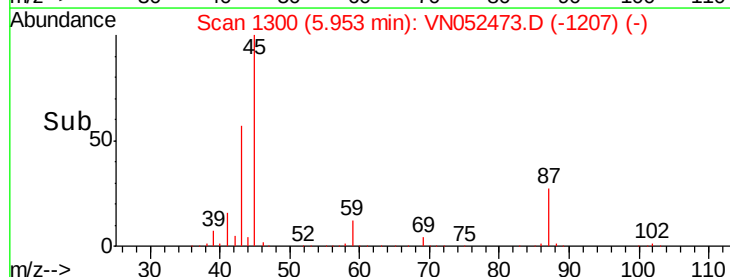
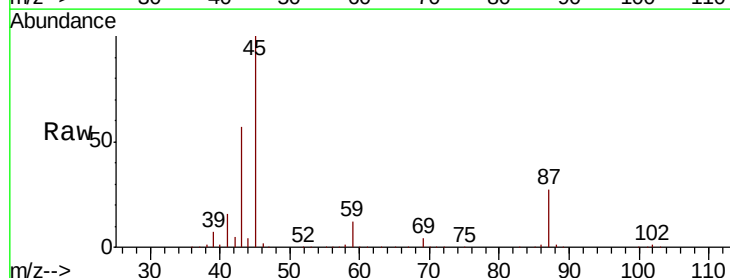
Manual Integrations
APPROVED

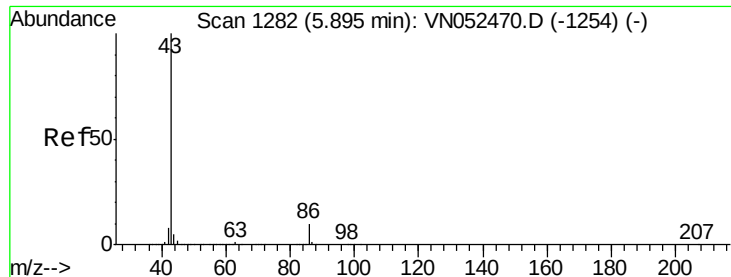
MMDadoda
11/28/2018 9:33:47 AM



#22
Diisopropyl ether
Concen: 48.046 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	46.1	69.1
87	26.7	21.3	31.9
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 250.962 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 43 Resp: 6029106

Ion Ratio Lower Upper

43 100

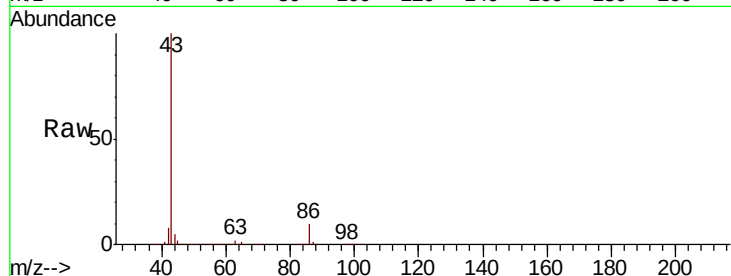
86 9.9 7.8 11.8

Manual Integrations

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11/28/2018 9:33:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1500000

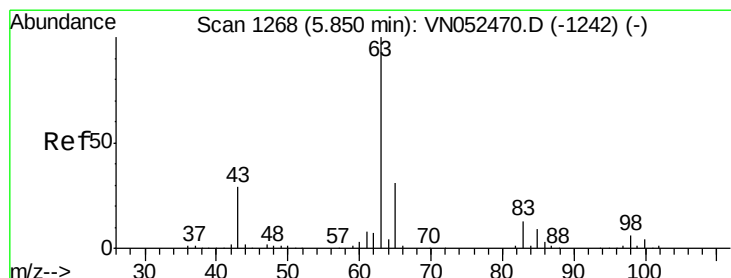
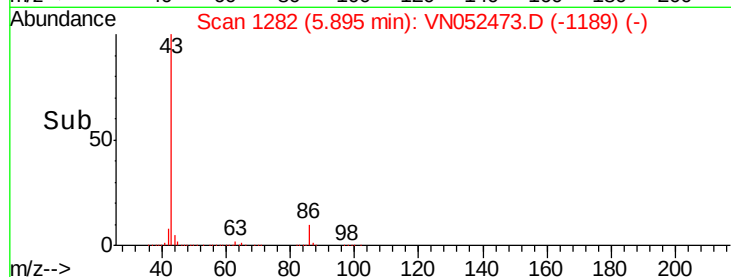
1000000

500000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 47.571 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

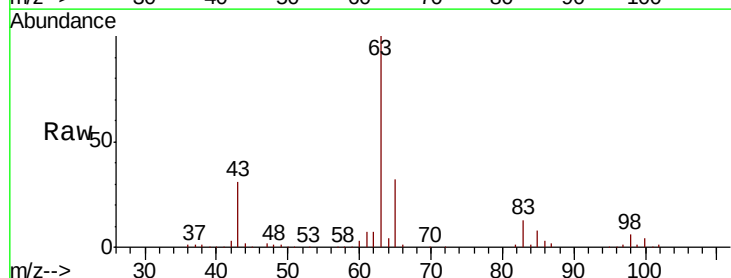
Tgt Ion: 63 Resp: 1047638

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

400000

300000

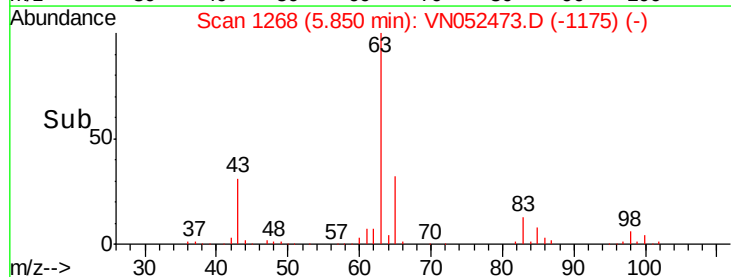
200000

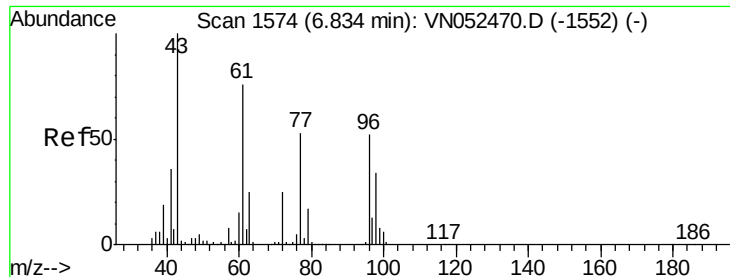
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 241.510 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 43 Resp: 1118124

Ion Ratio Lower Upper

43 100

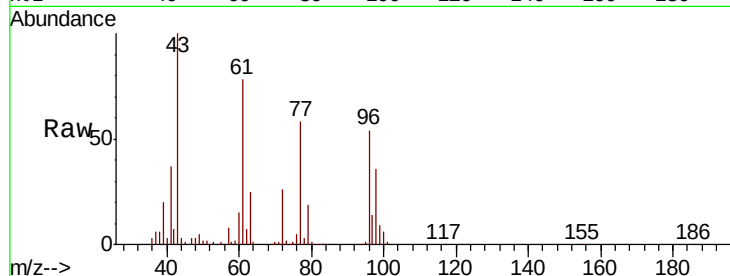
72 26.3 20.1 30.1

Manual Integrations

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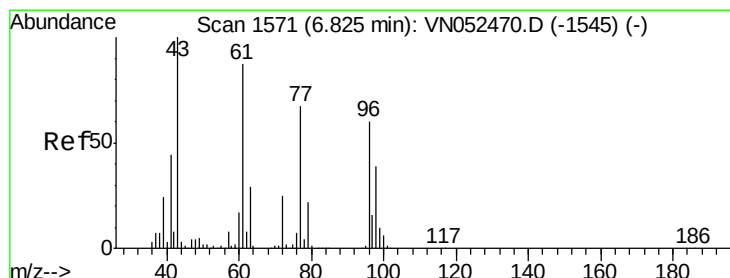
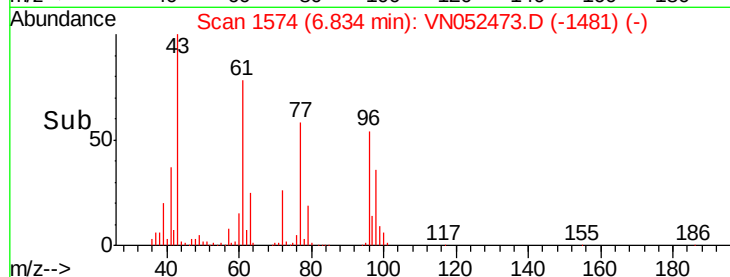
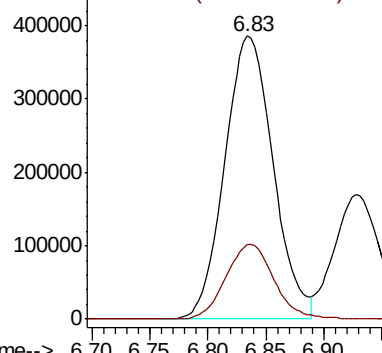
MMDadoda

11/28/2018 9:33:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.414 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052473.D

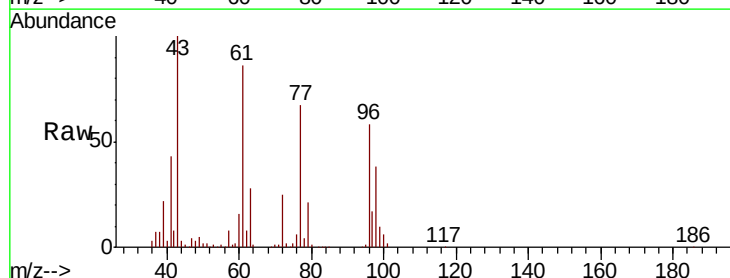
Acq: 27 Nov 2018 11:58

Tgt Ion: 77 Resp: 768479

Ion Ratio Lower Upper

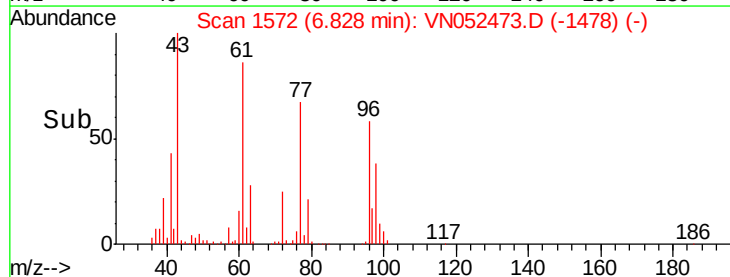
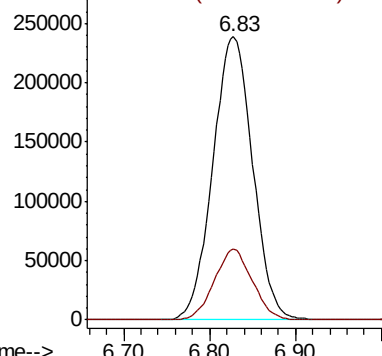
77 100

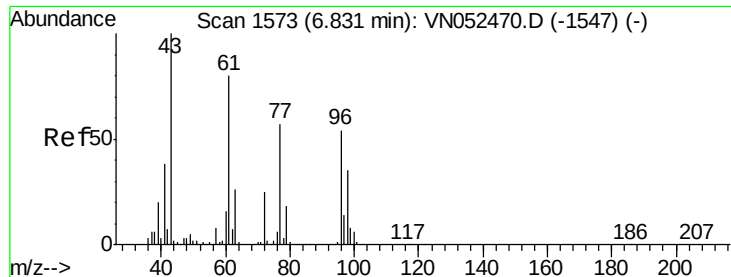
97 23.9 11.8 35.3



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: 47.120 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

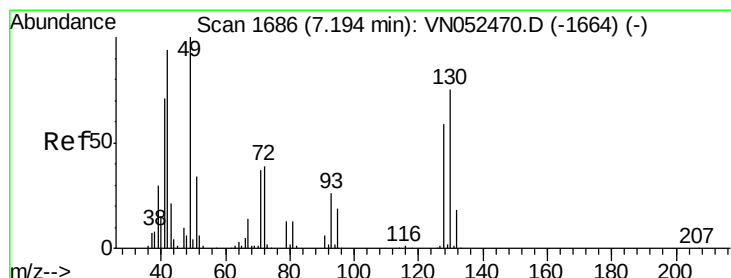
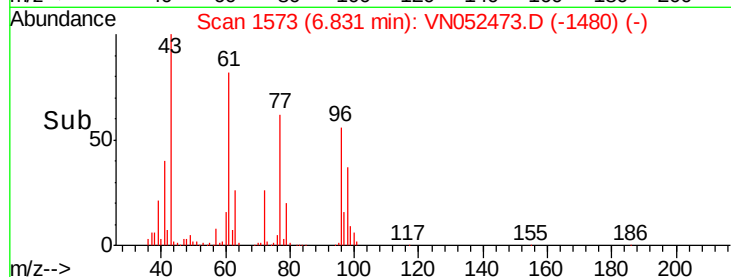
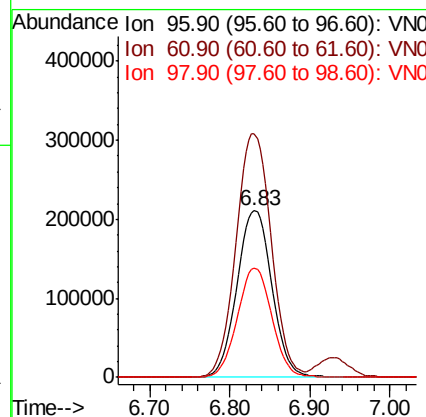
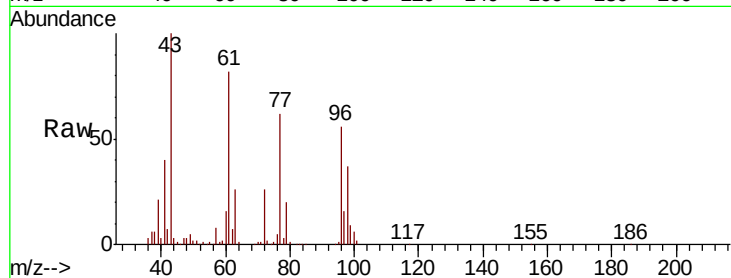
ClientSampleId :

ICVVN112718

Tgt Ion:	96	Resp:	624569
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	291.0
98	64.9	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 46.677 ug/l

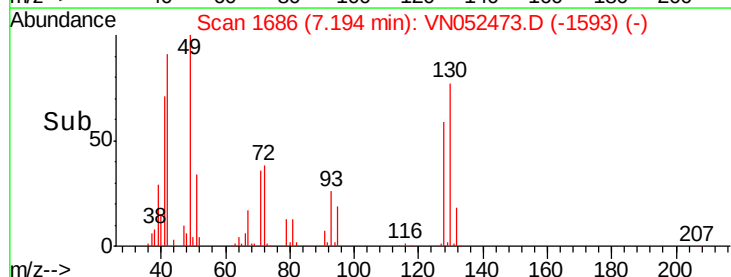
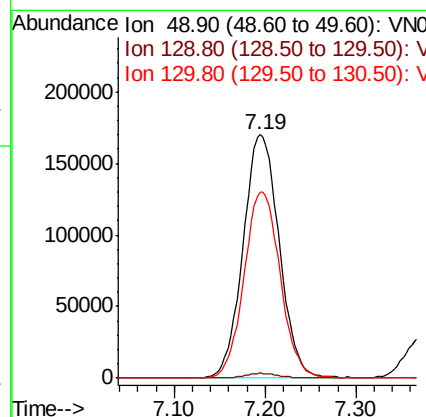
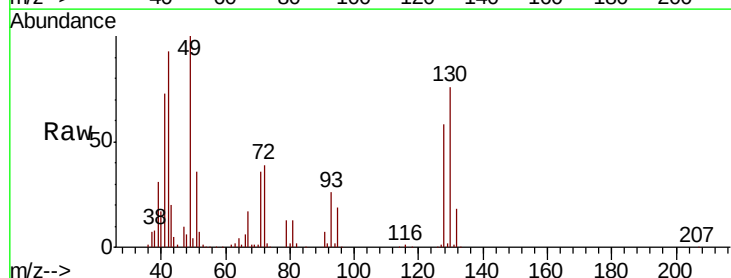
RT: 7.19 min Scan# 1686

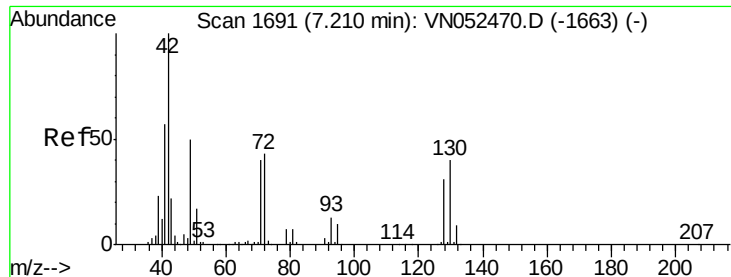
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion:	49	Resp:	469511
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	76.6	60.2	90.2





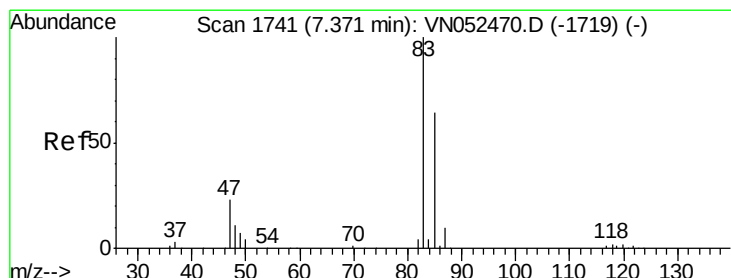
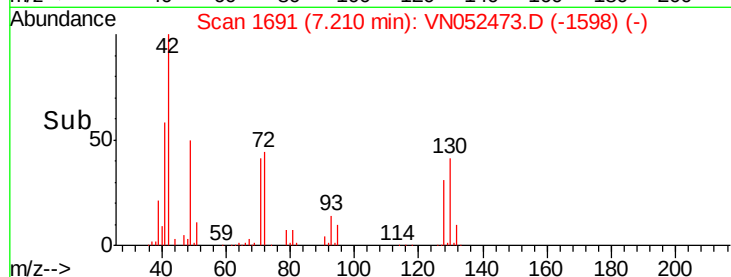
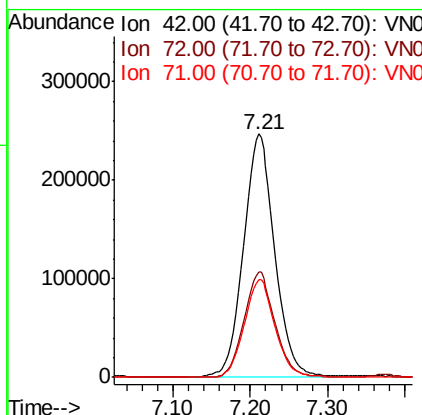
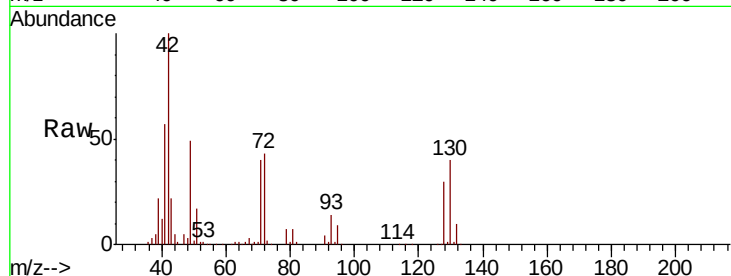
#29
Tetrahydrofuran
Concen: 231.189 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.3	49.9
71	39.8	32.0	48.0

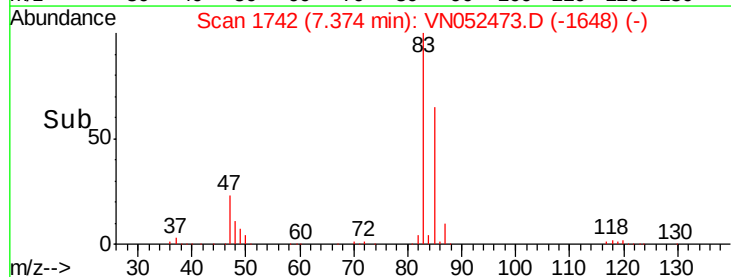
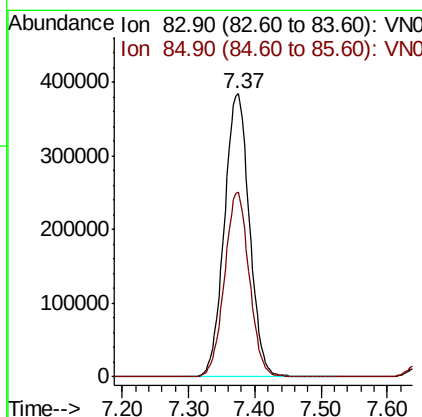
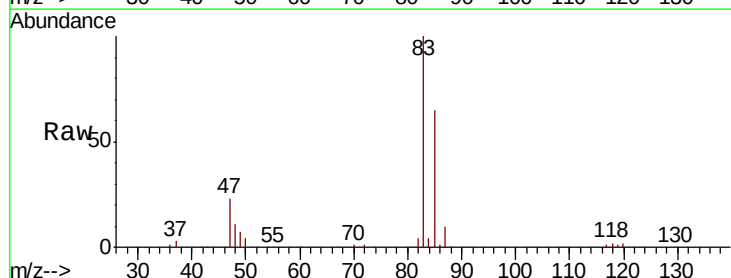
Manual Integrations
APPROVED

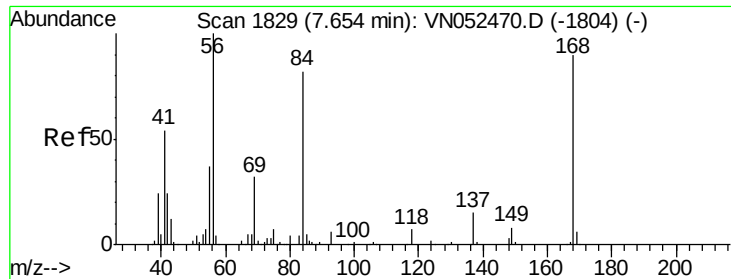
MMDadoda
11/28/2018 9:33:47 AM



#30
Chloroform
Concen: 45.977 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





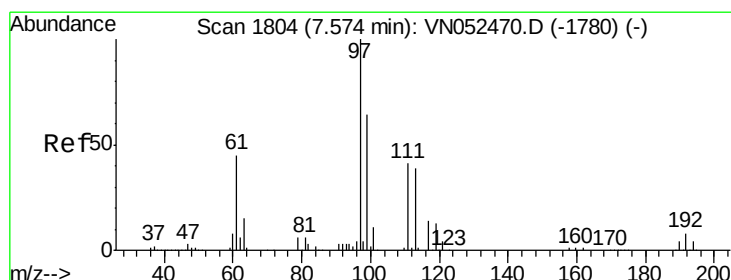
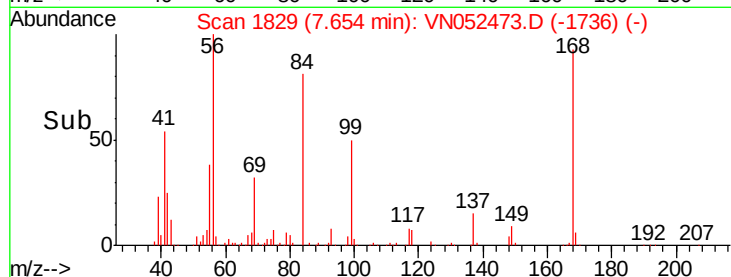
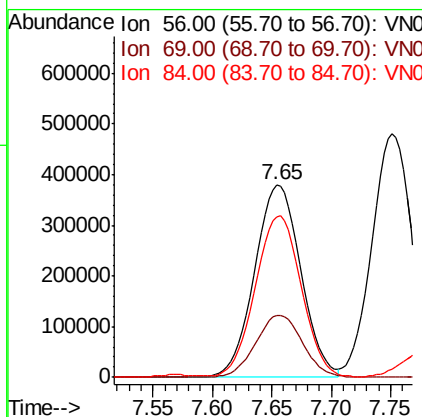
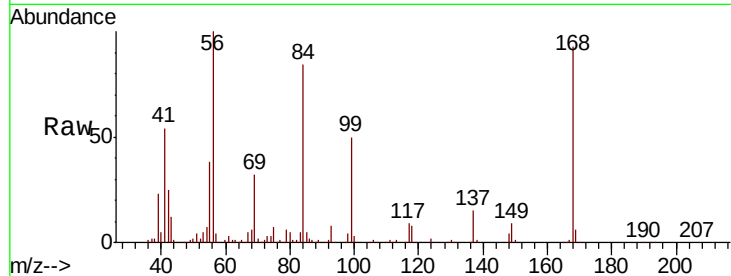
#31
Cyclohexane
Concen: 47.935 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 56 Resp: 1022091
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.6
84 82.6 65.3 97.9

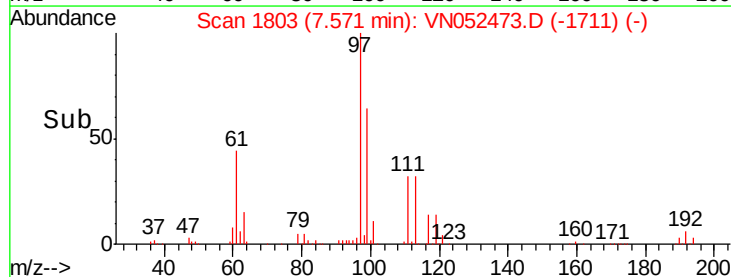
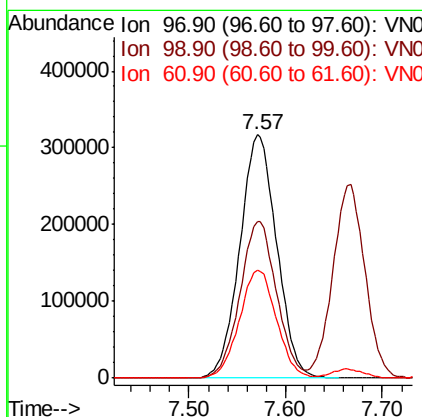
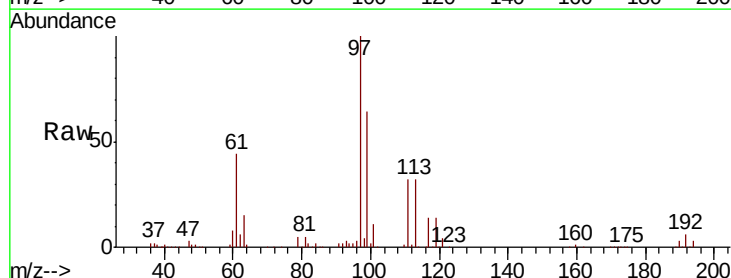
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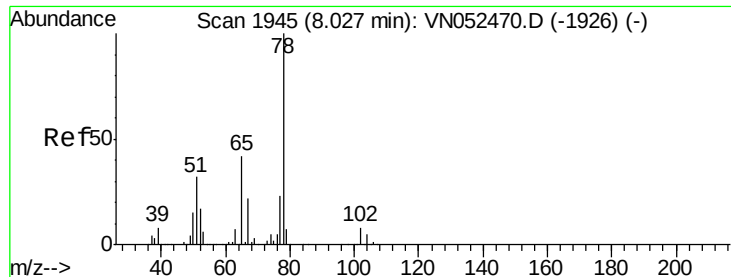
MMDadoda
11/28/2018 9:33:47 AM



#32
1,1,1-Trichloroethane
Concen: 48.173 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 97 Resp: 838614
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 44.7 36.8 55.2





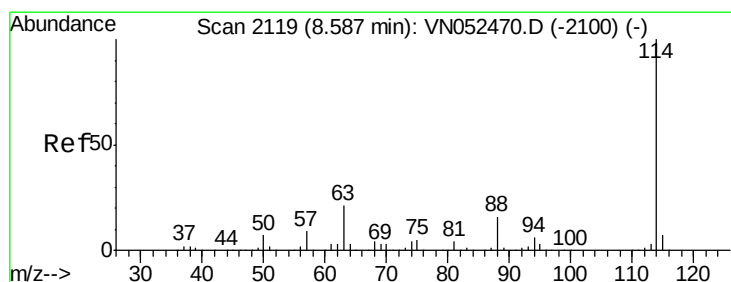
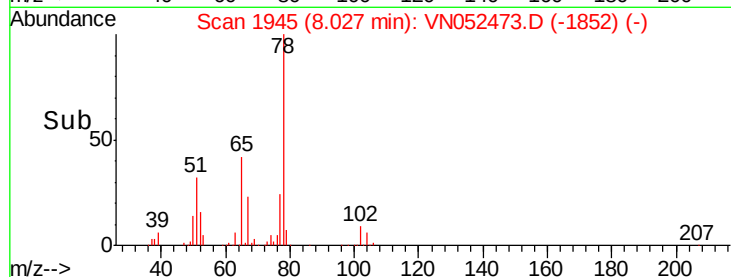
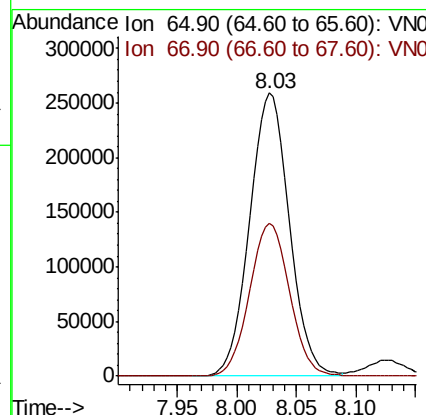
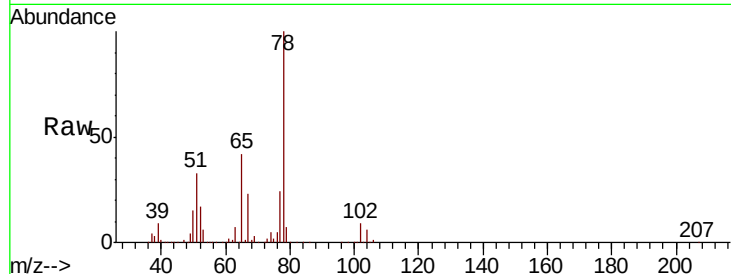
#33
 1,2-Dichloroethane-d4
 Concen: 48.173 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion: 65 Resp: 600105
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8

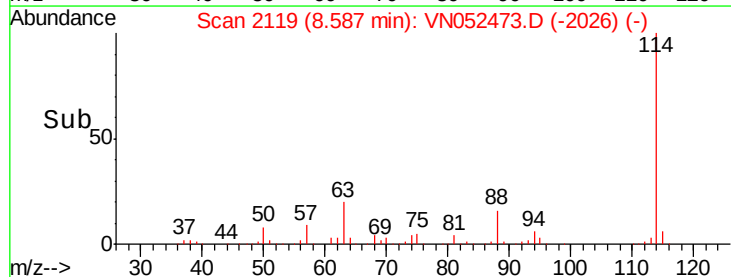
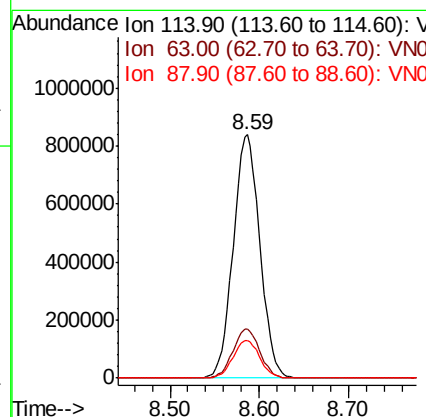
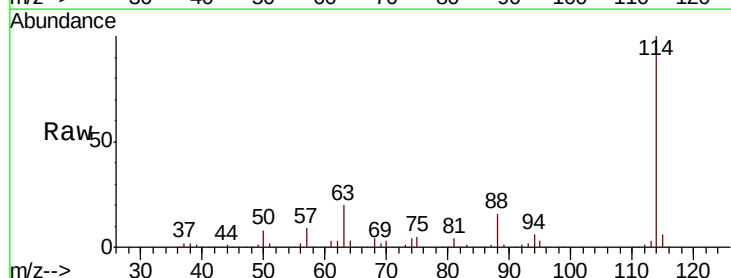
Manual Integrations
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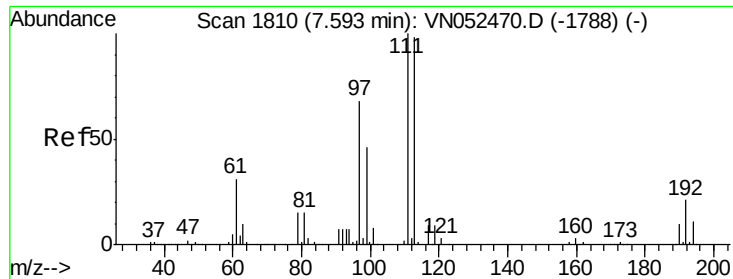
MMDadoda
 11/28/2018 9:33:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion: 114 Resp: 1731406
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.7 0.0 31.6





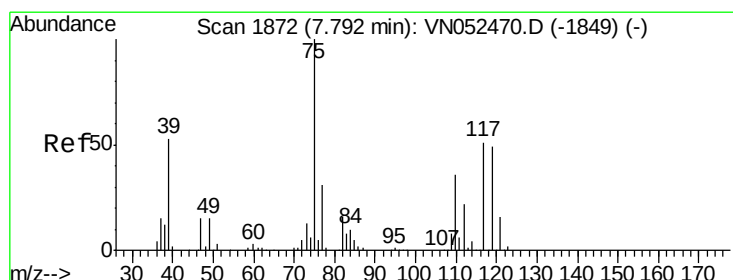
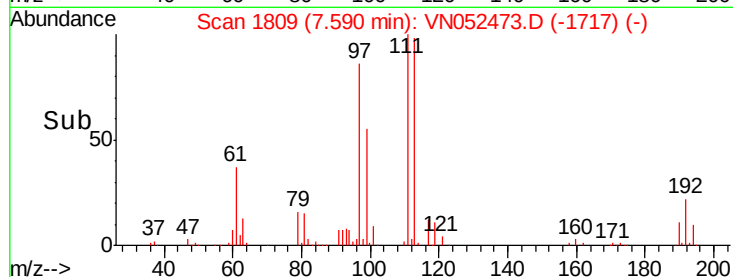
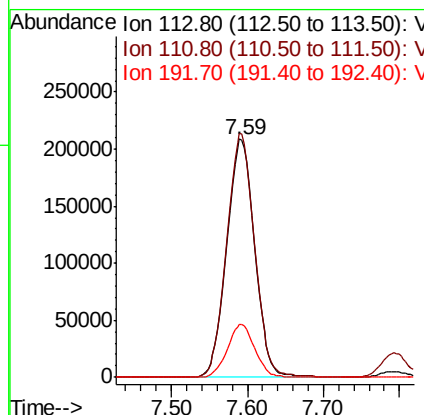
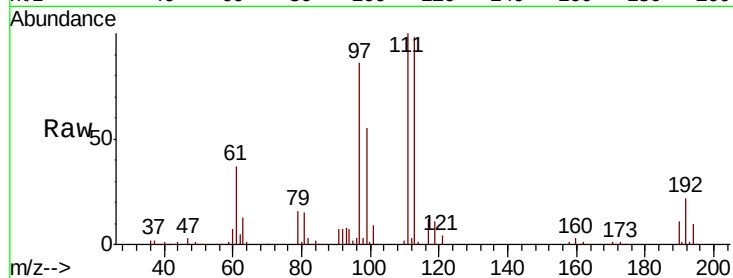
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	536213		
111	101.6	82.0	123.0	
192	21.7	17.0	25.6	

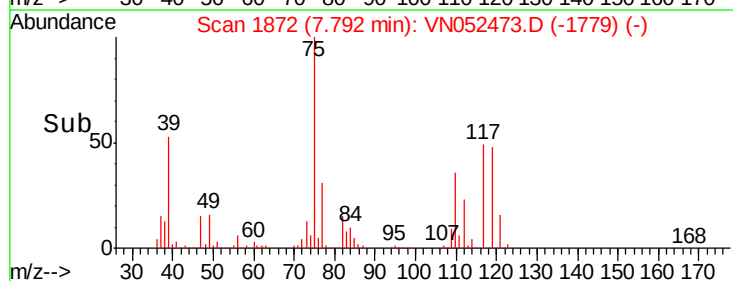
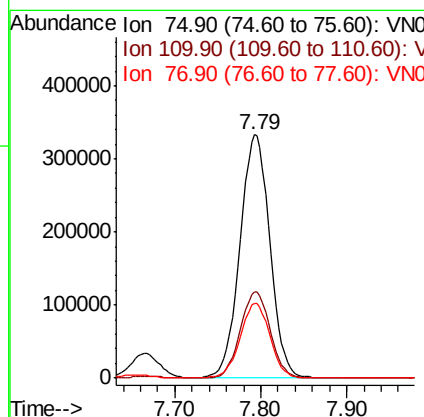
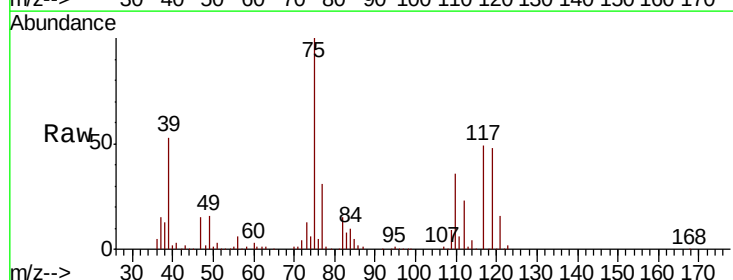
Manual Integrations
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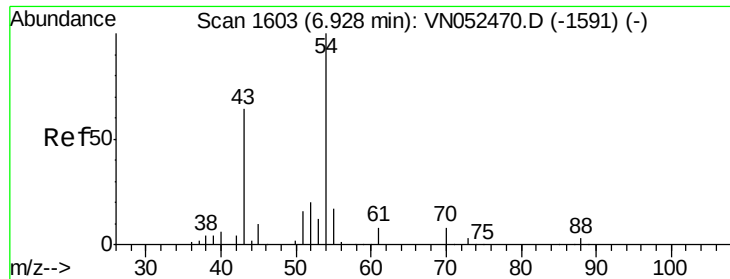
MMDadoda
 11/28/2018 9:33:47 AM



#36
 1,1-Dichloropropene
 Concen: 49.119 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	803096		
110	35.5	17.5	52.6	
77	30.9	24.5	36.7	





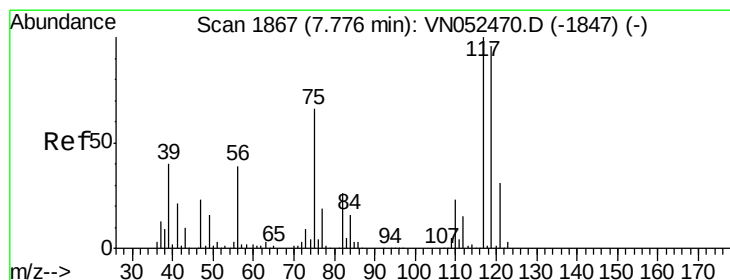
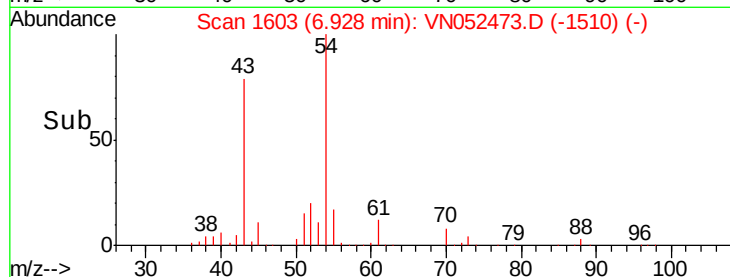
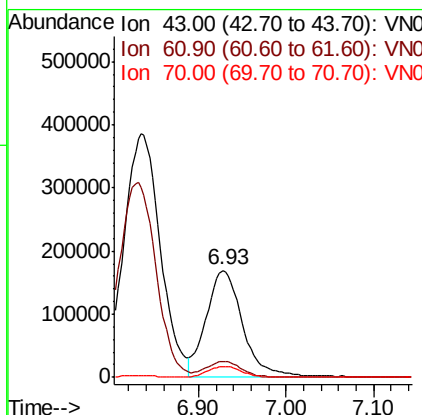
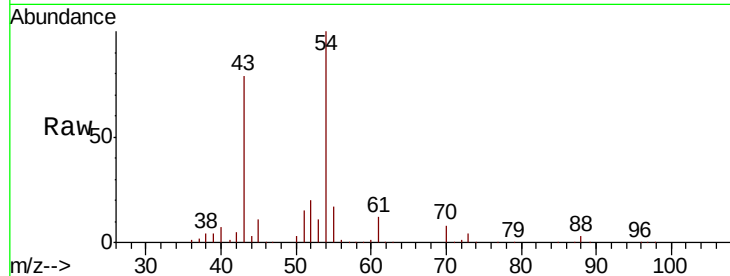
#37
Ethyl Acetate
Concen: 48.336 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	9.9	7.8	11.8

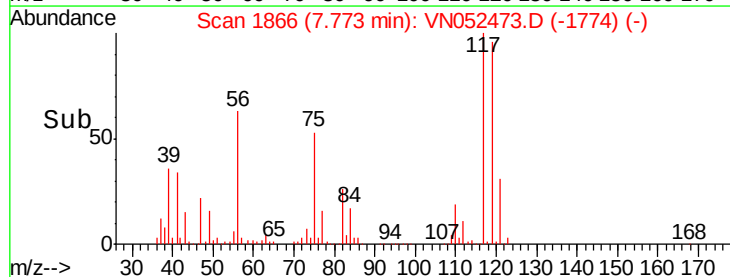
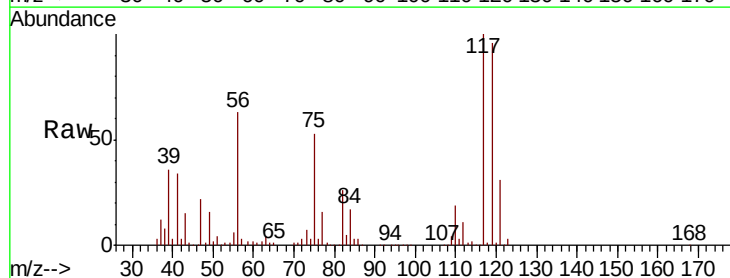
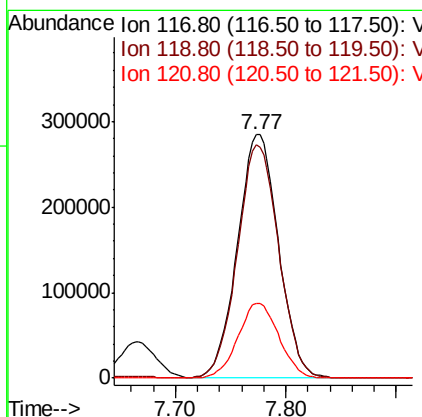
Manual Integrations
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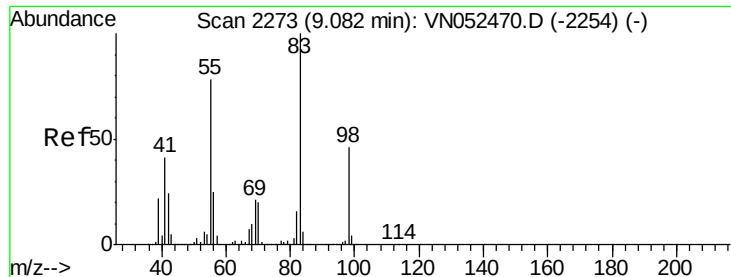
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.224 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	30.9	24.9	37.3





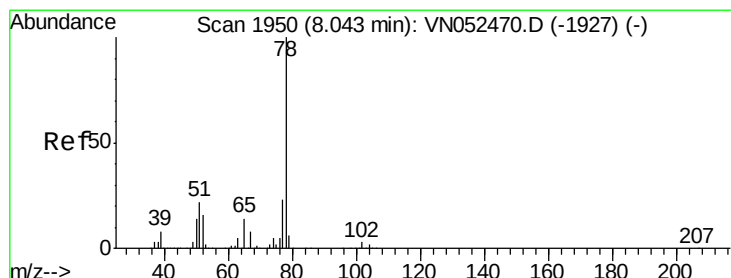
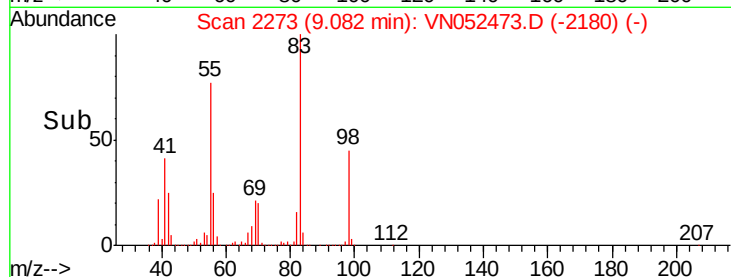
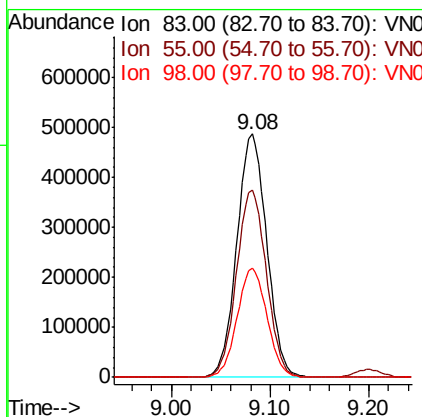
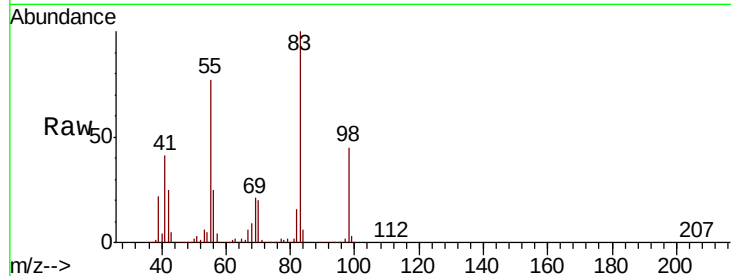
#39
Methylcyclohexane
Concen: 51.486 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 83 Resp: 1023180
Ion Ratio Lower Upper
83 100
55 76.9 62.2 93.2
98 44.8 36.4 54.6

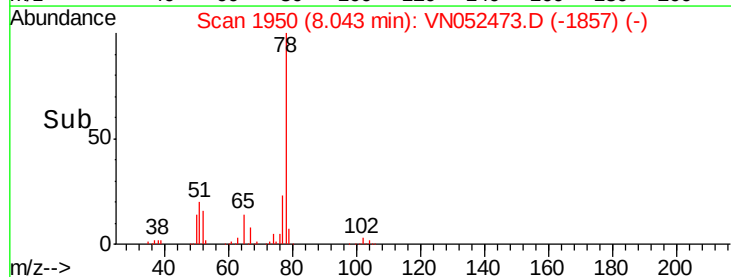
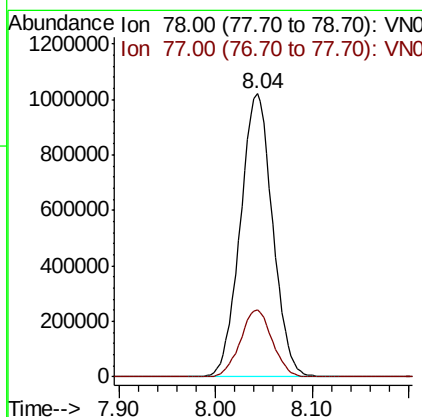
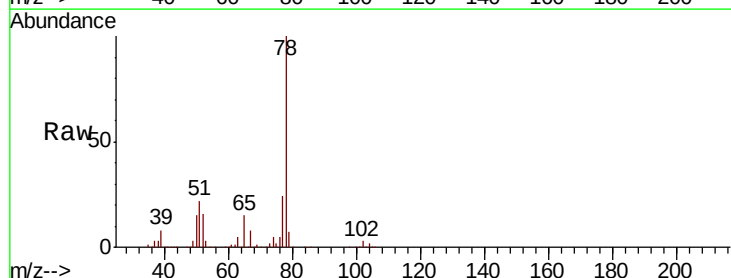
Manual Integrations
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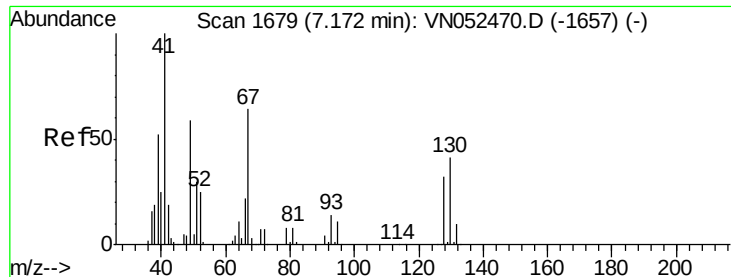
MMDadoda
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#40
Benzene
Concen: 48.579 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 78 Resp: 2367073
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





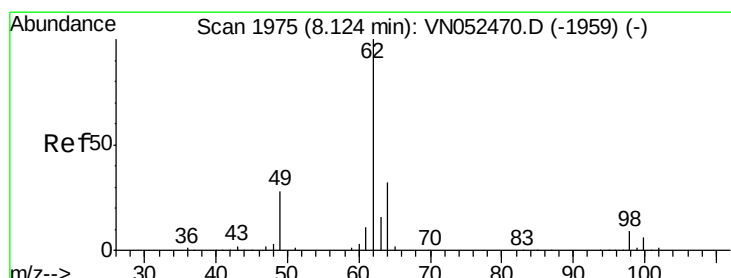
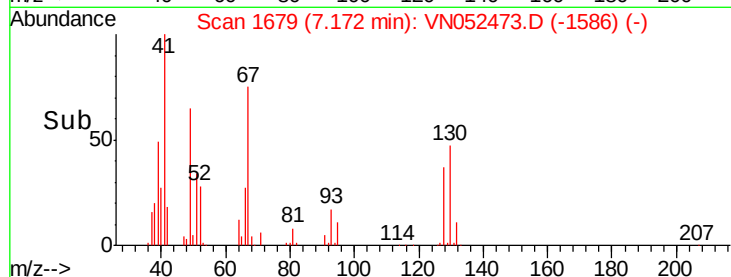
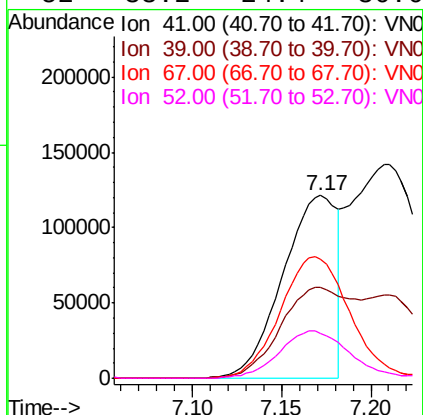
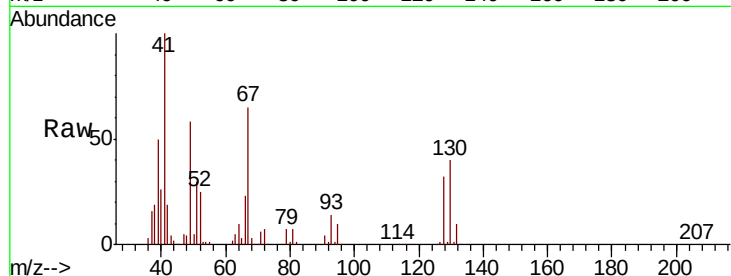
#41
Methacrylonitrile
Concen: 46.952 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		256135		
39	67.2	50.9	76.3		
67	85.8	63.6	95.4		
52	33.2	24.4	36.6		

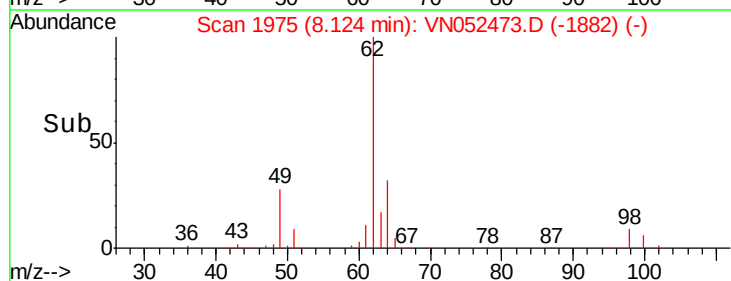
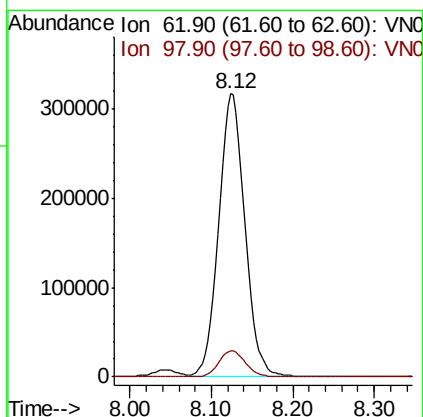
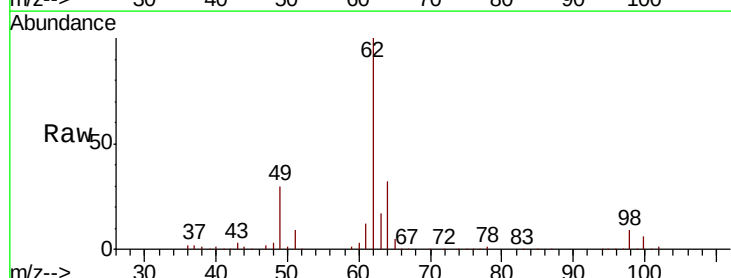
Manual Integrations
APPROVED

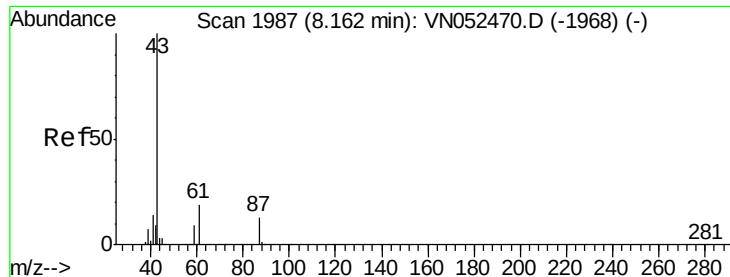
MMDadoda
11/28/2018 9:33:47 AM



#42
1,2-Dichloroethane
Concen: 48.833 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		720477		
98	9.4	0.0	18.6		





#43

Isopropyl Acetate

Concen: 50.052 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

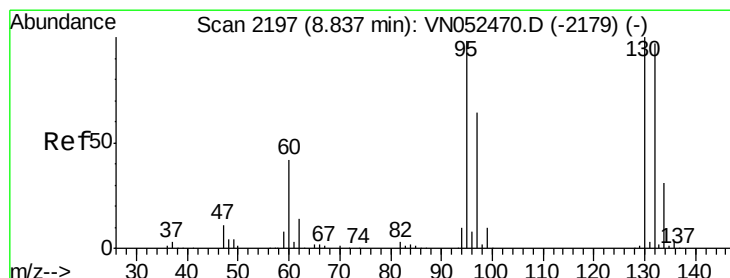
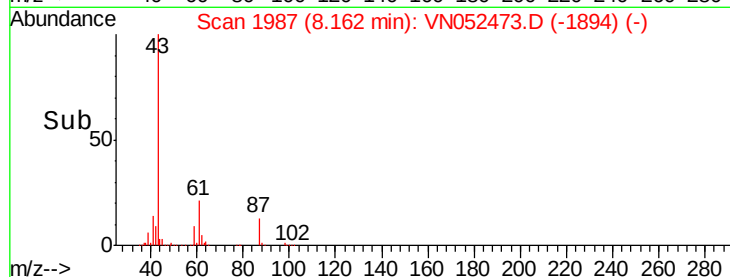
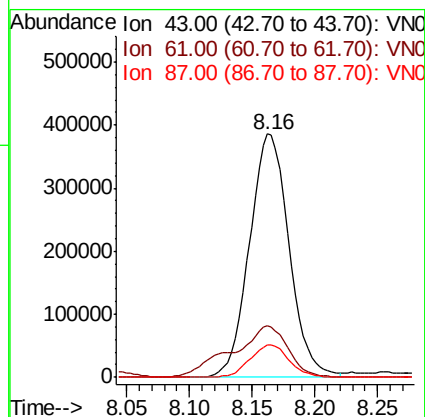
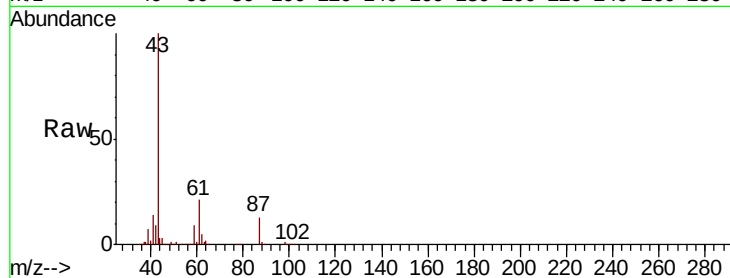
ClientSampleId :

ICVVN112718

Tgt Ion:	43	Resp:	845198
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.1	36.1
87	13.3	10.6	15.8

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#44

Trichloroethene

Concen: 48.869 ug/l

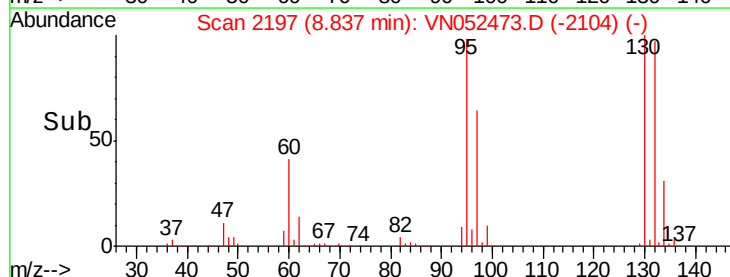
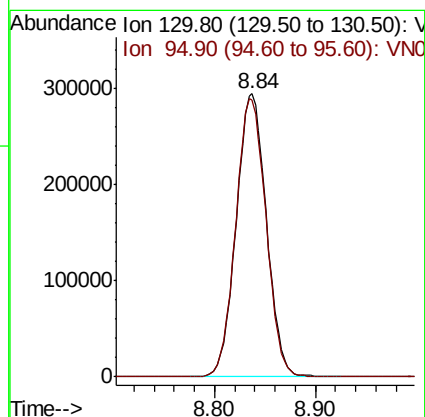
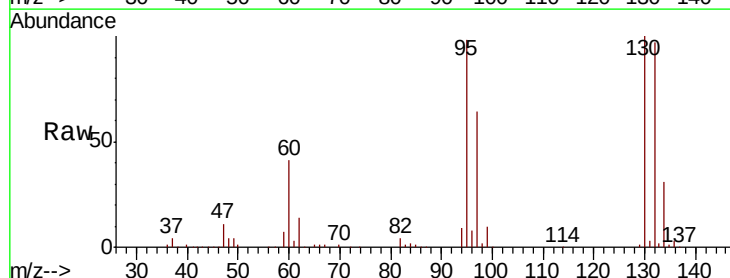
RT: 8.84 min Scan# 2197

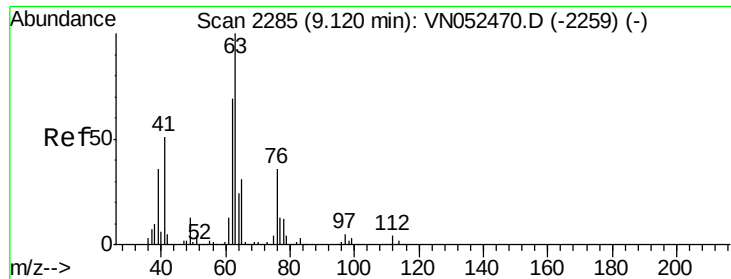
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion:	130	Resp:	609948
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	195.6





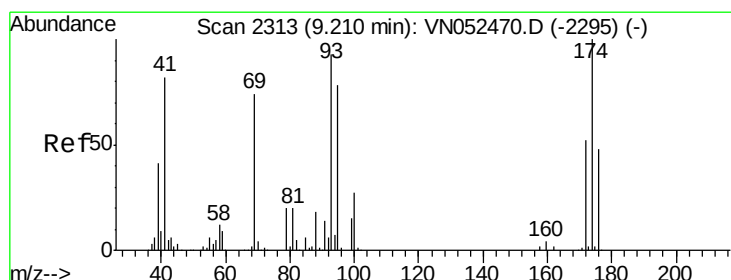
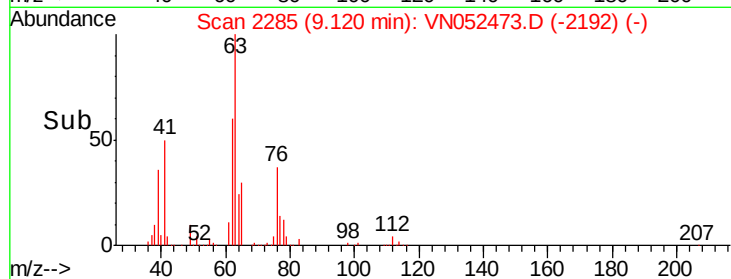
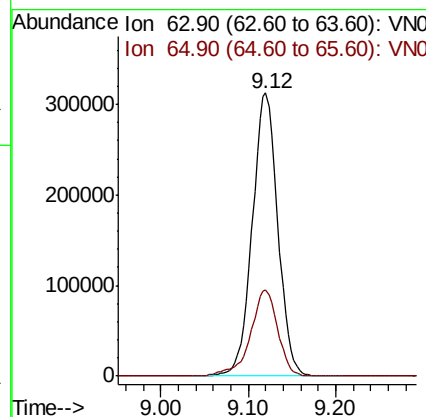
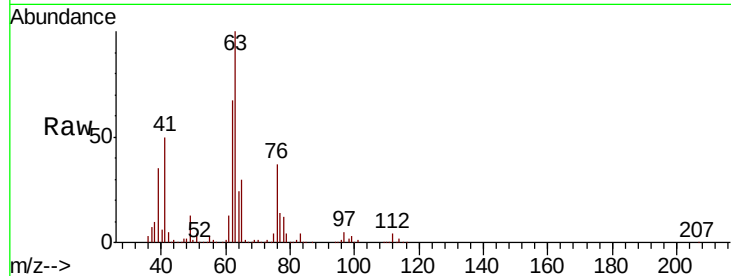
#45
 1,2-Dichloropropane
 Concen: 48.754 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion: 63 Resp: 631581
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

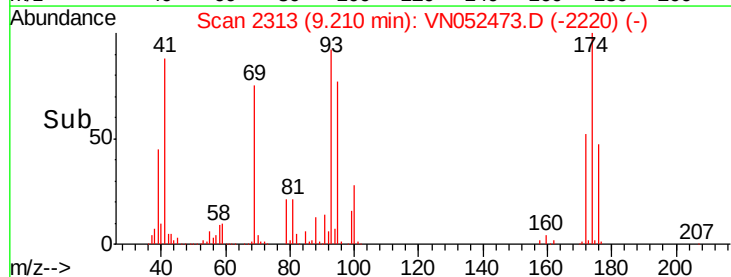
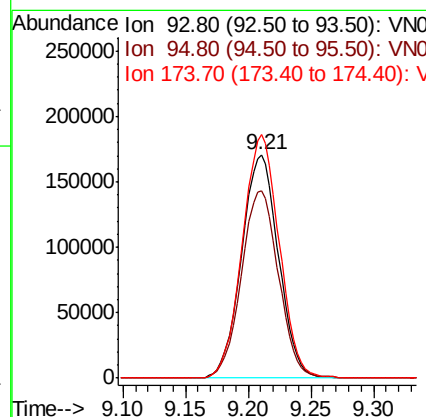
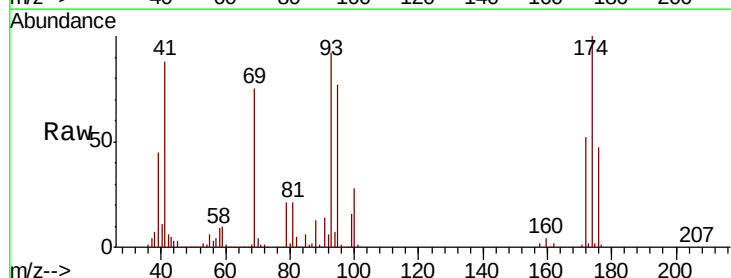
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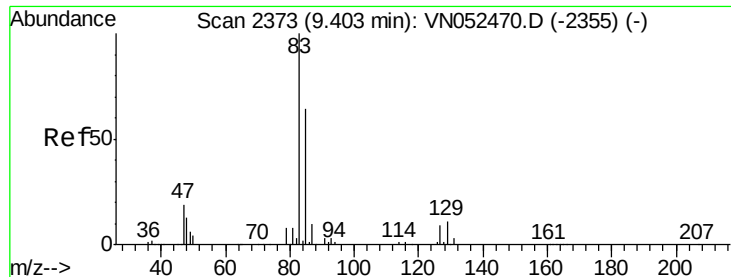
MMDadoda
 11/28/2018 9:33:47 AM



#46
 Dibromomethane
 Concen: 48.833 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion: 93 Resp: 350206
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.1 100.7
 174 108.6 85.8 128.8





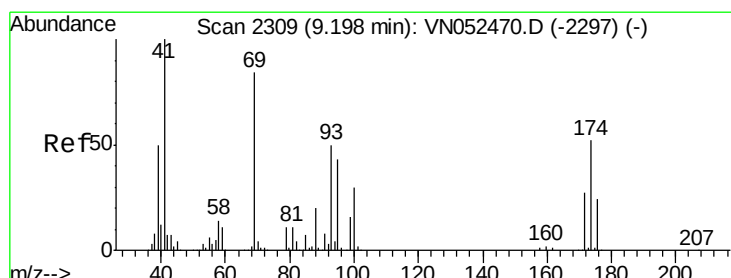
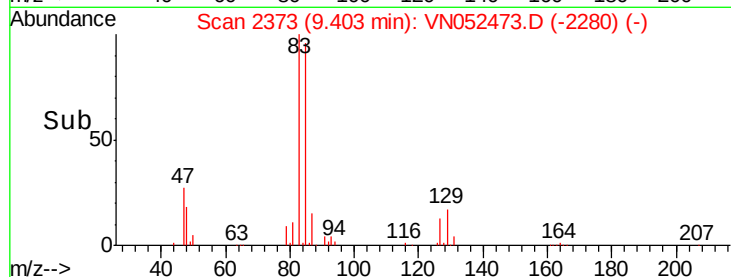
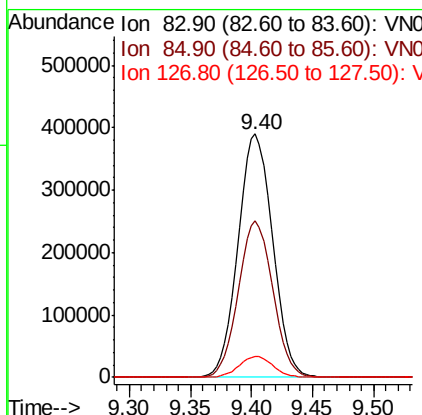
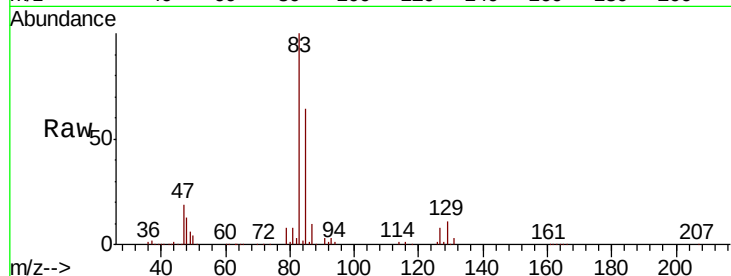
#47
Bromodichloromethane
Concen: 49.141 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9
127	8.4	6.9	10.3

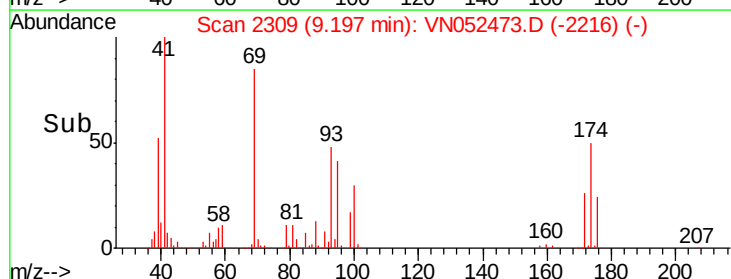
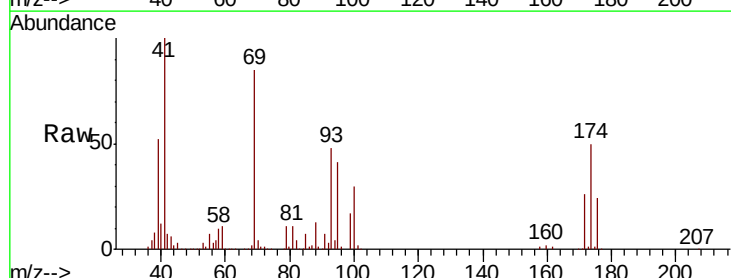
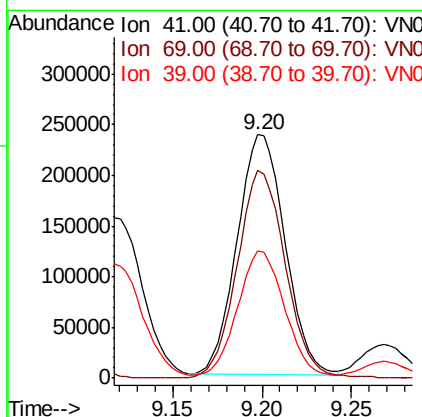
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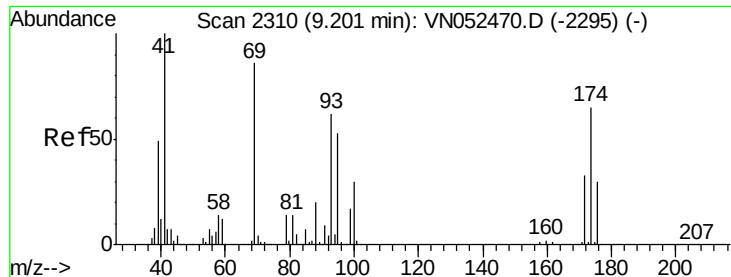
MMDadoda
11/28/2018 9:33:47 AM



#48
Methyl methacrylate
Concen: 50.382 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.3	70.0	105.0
39	52.5	42.6	64.0





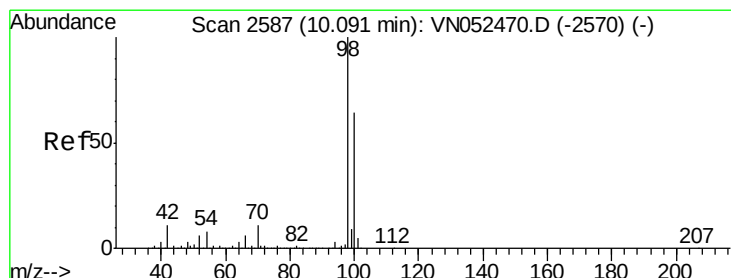
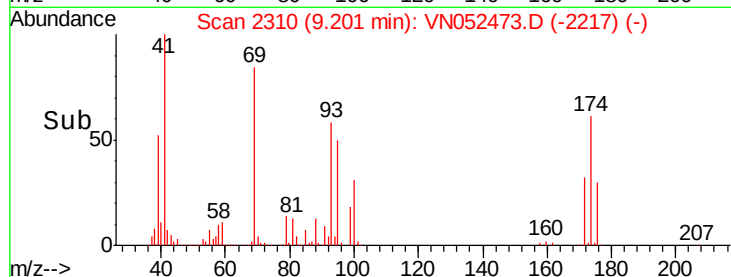
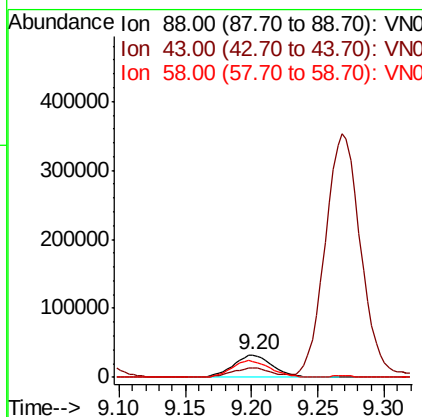
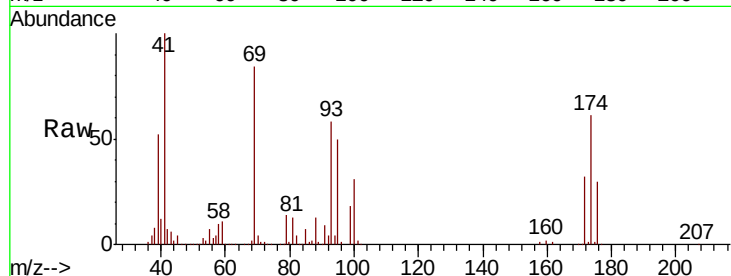
#49
1,4-Dioxane
Concen: 728.922 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	66610		
43	38.0	26.4	39.6	
58	73.5	55.4	83.0	

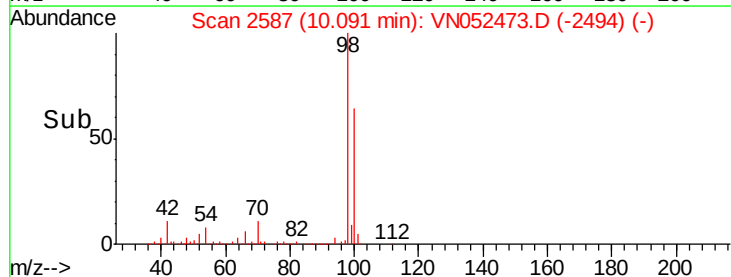
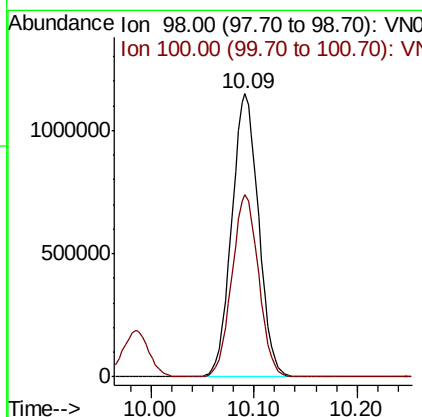
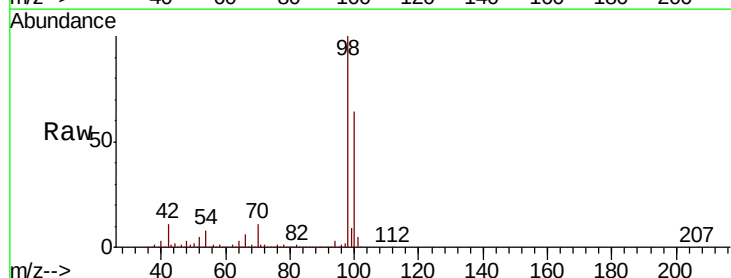
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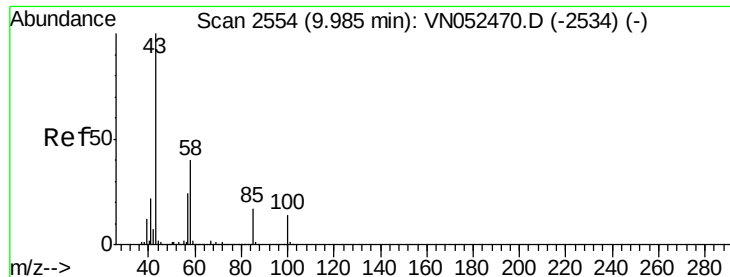
MMDadoda
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#50
Toluene-d8
Concen: 728.922 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2080257		
100	64.0	51.3	76.9	





#51

4-Methyl-2-Pentanone

Concen: 247.859 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 43 Resp: 2348329

Ion Ratio Lower Upper

43 100

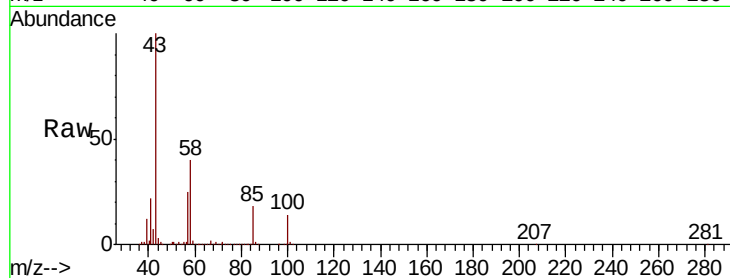
58 39.7 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

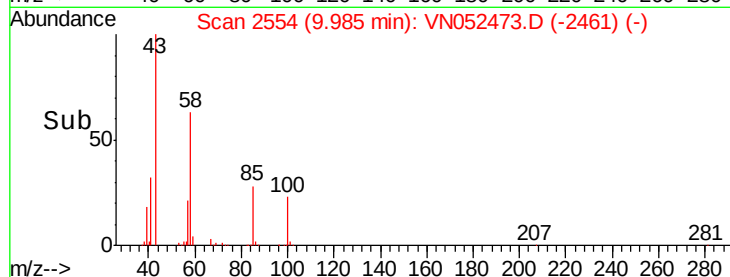
1500000

1000000

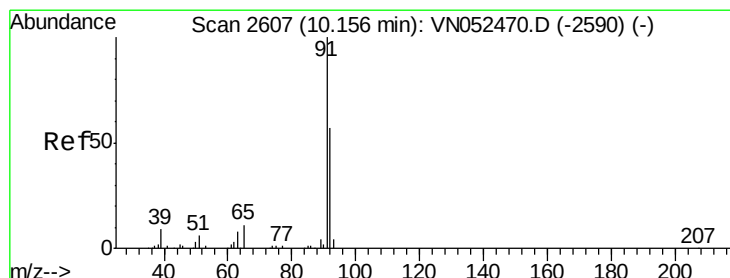
500000

0

9.90 9.99 10.00 10.10



Time-->



#52

Toluene

Concen: 50.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052473.D

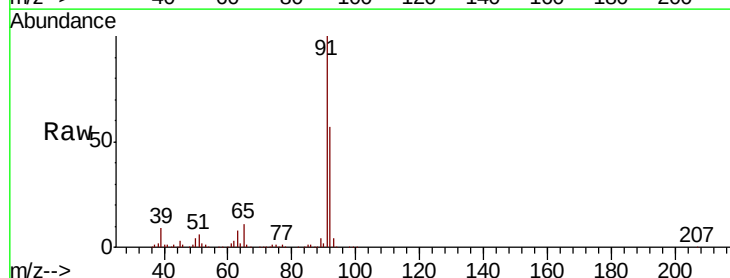
Acq: 27 Nov 2018 11:58

Tgt Ion: 92 Resp: 1453489

Ion Ratio Lower Upper

92 100

91 174.5 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052473.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052473.D (-2514) (-)

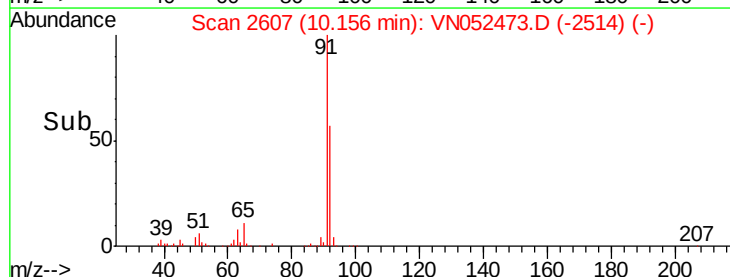
1500000

1000000

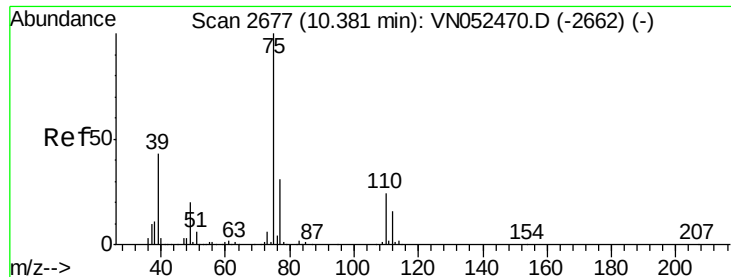
500000

0

10.10 10.16 10.20



Time-->



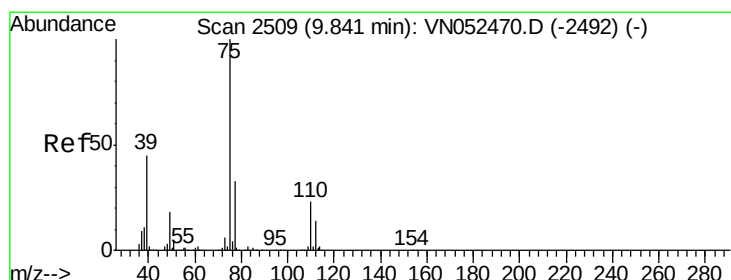
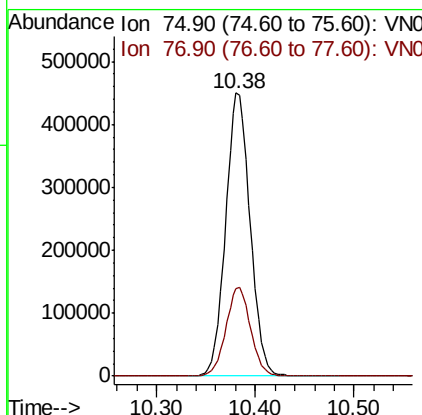
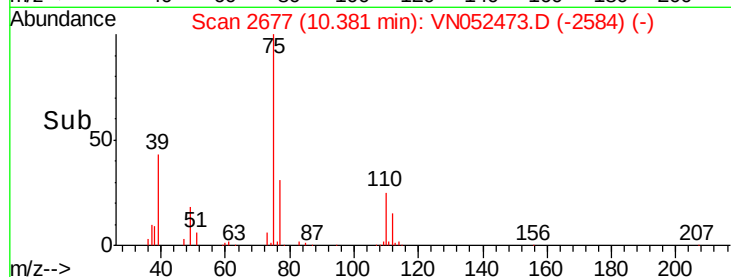
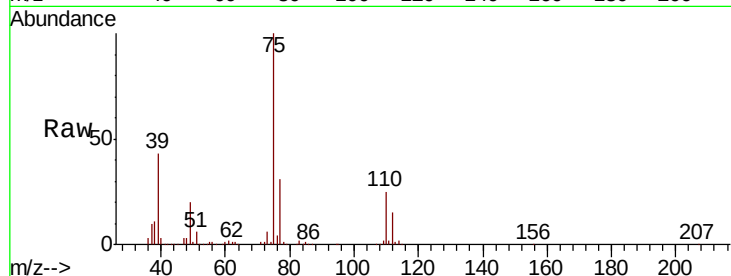
#53
t-1,3-Dichloropropene
Concen: 52.171 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 75 Resp: 782566
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4

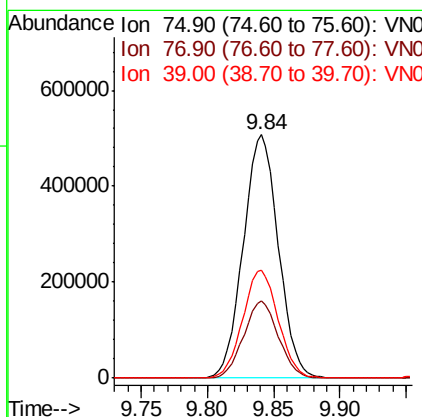
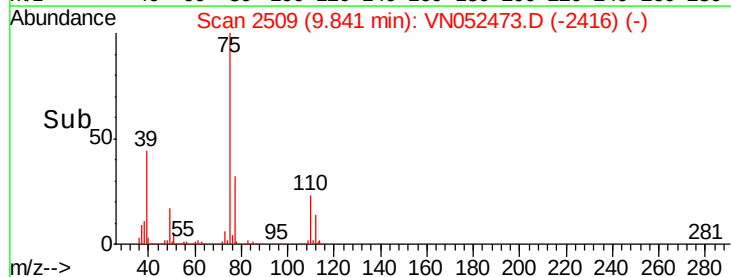
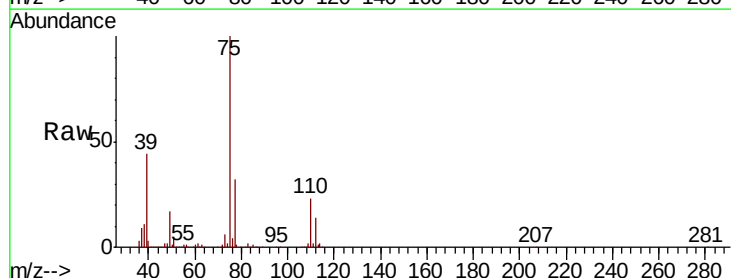
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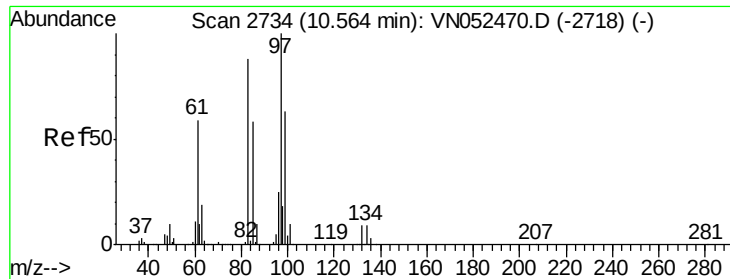
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.881 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 75 Resp: 932581
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2
39 44.4 36.0 54.0





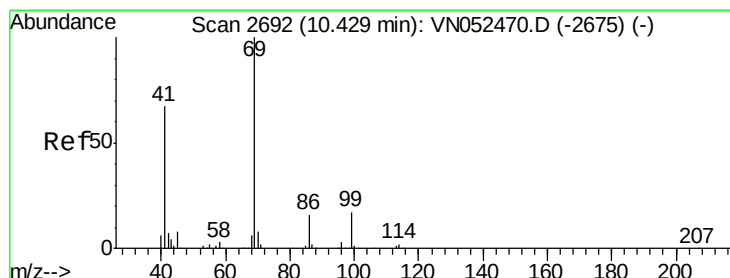
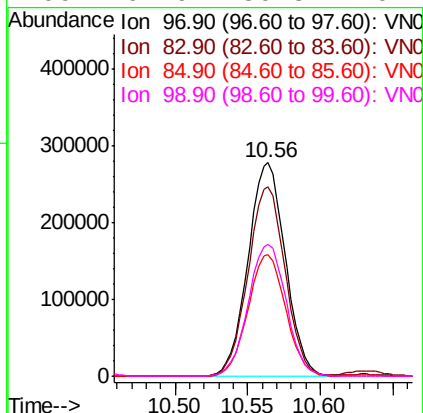
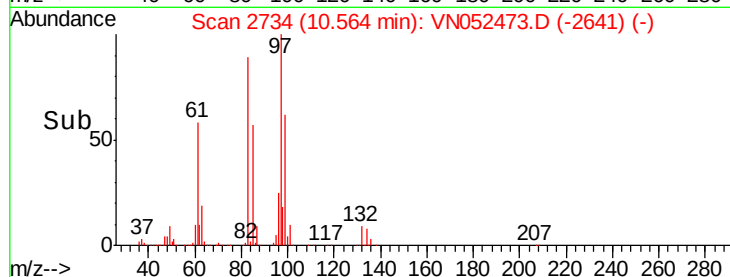
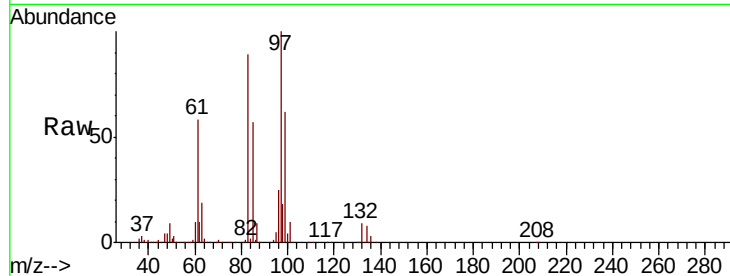
#55
 1,1,2-Trichloroethane
 Concen: 49.026 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion:	97	Resp:	499250
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	57.1	46.1	69.1
99	61.9	50.8	76.2

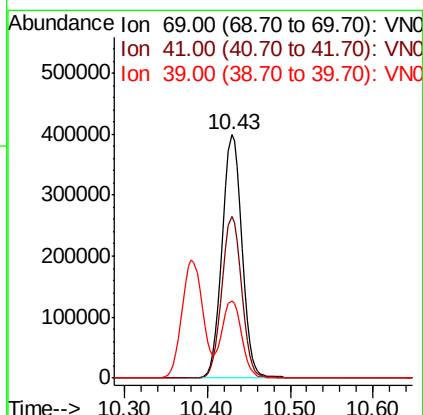
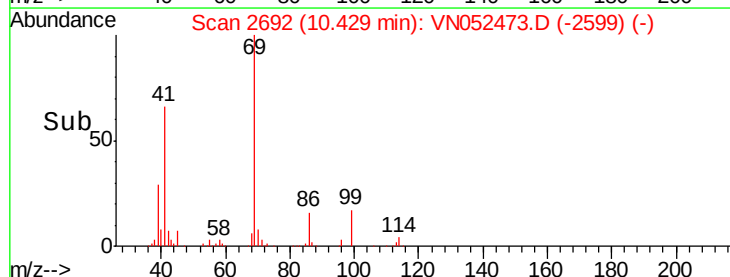
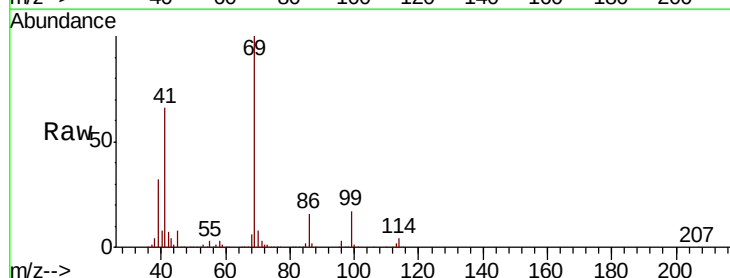
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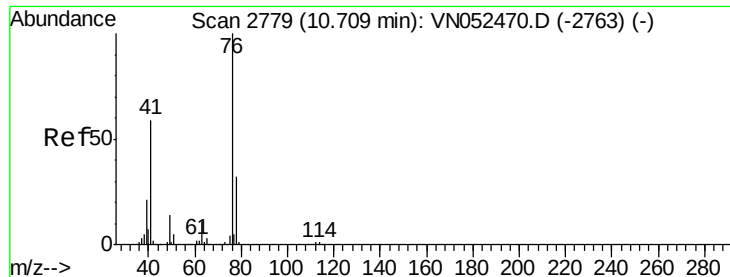
MMDadoda
 11/28/2018 9:33:47 AM



#56
 Ethyl methacrylate
 Concen: 46.805 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion:	69	Resp:	659295
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	32.2	25.9	38.9





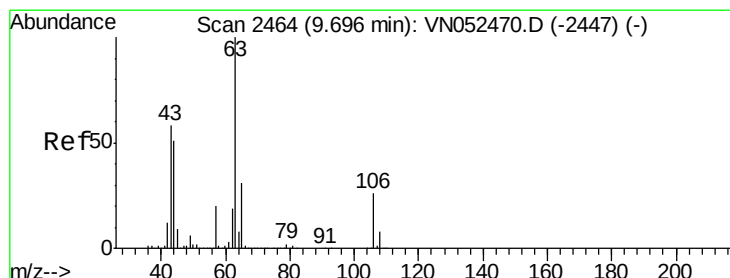
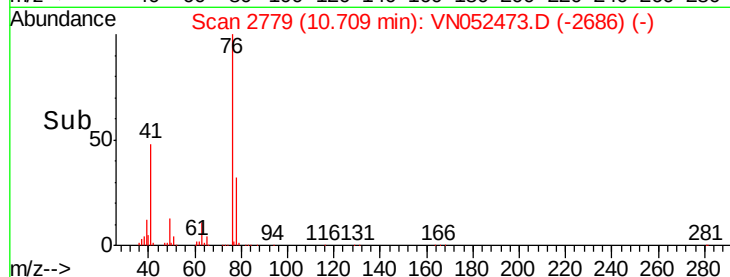
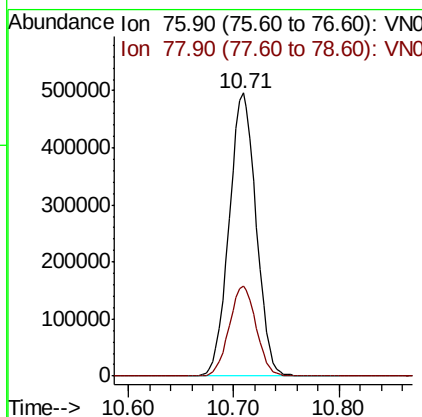
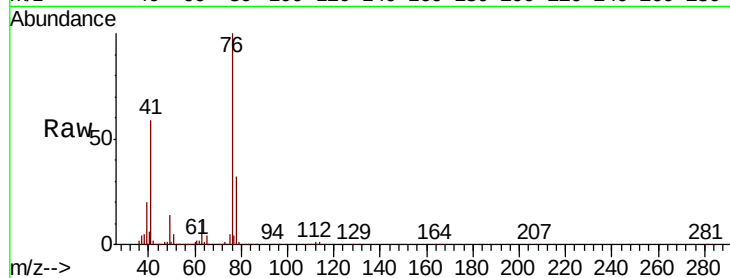
#57
 1,3-Dichloropropane
 Concen: 48.725 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion: 76 Resp: 876136
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

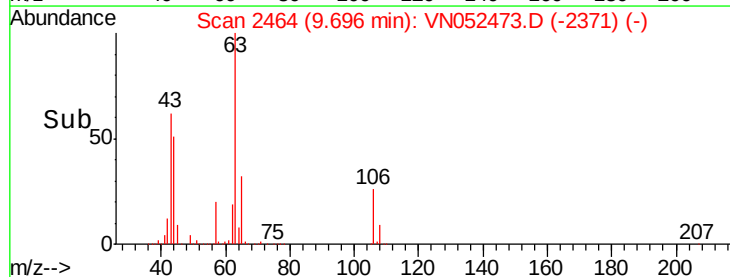
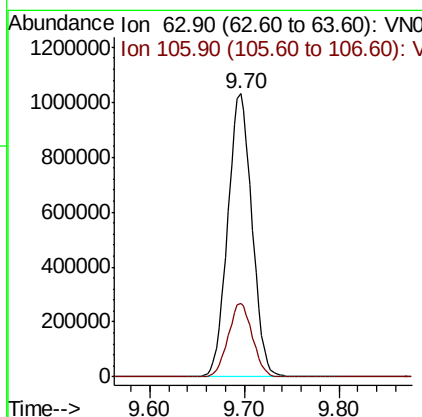
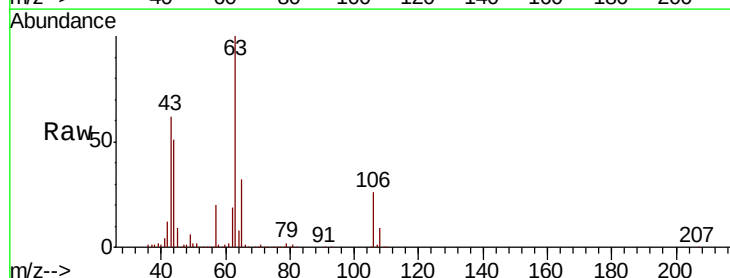
Manual Integrations
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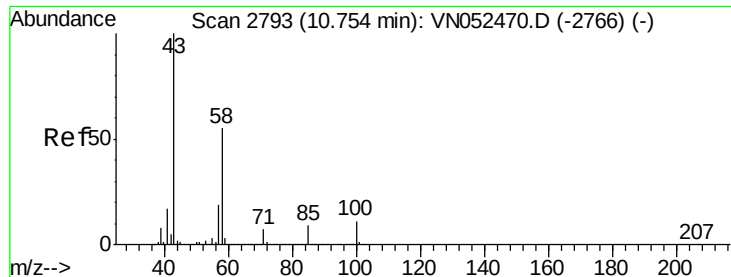
MMDadoda
 11/28/2018 9:33:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.590 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion: 63 Resp: 1836930
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 30.8





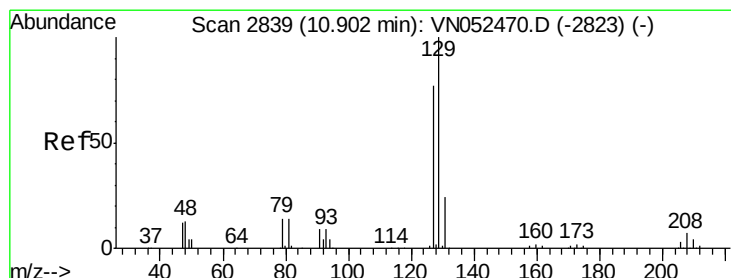
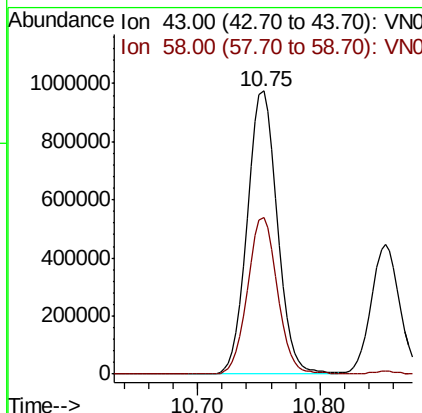
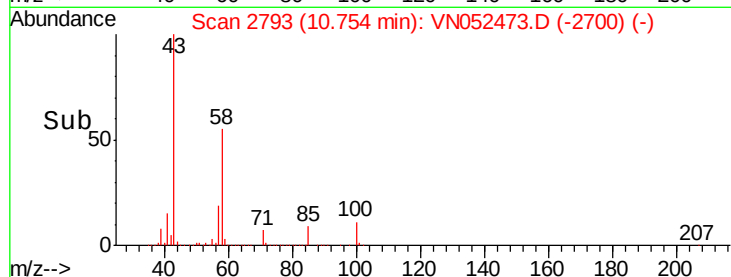
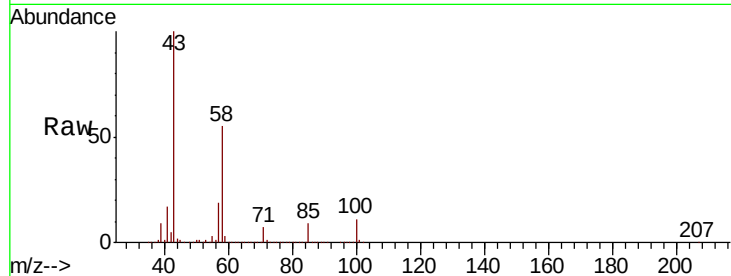
#59
2-Hexanone
Concen: 258.903 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 43 Resp: 1646315
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.0

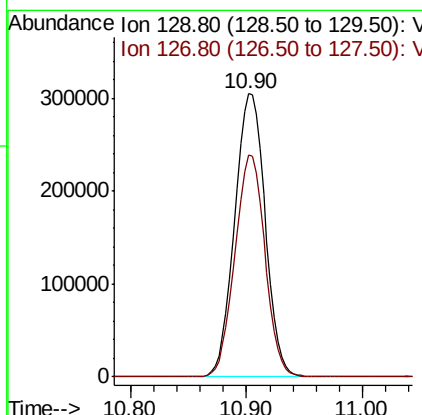
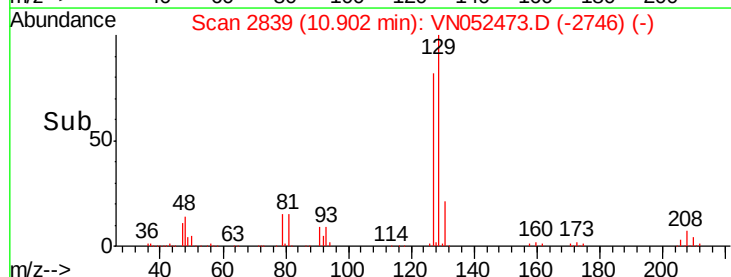
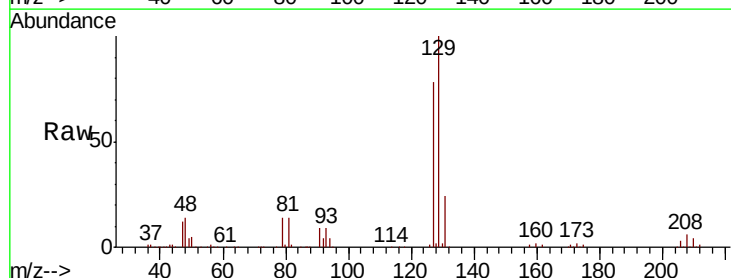
Manual Integrations
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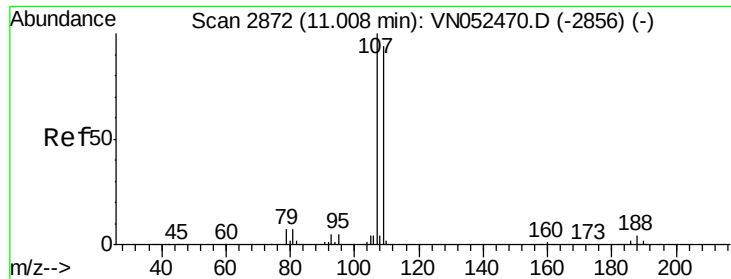
MMDadoda
11/28/2018 9:33:47 AM



#60
Dibromochloromethane
Concen: 50.217 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 129 Resp: 555416
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





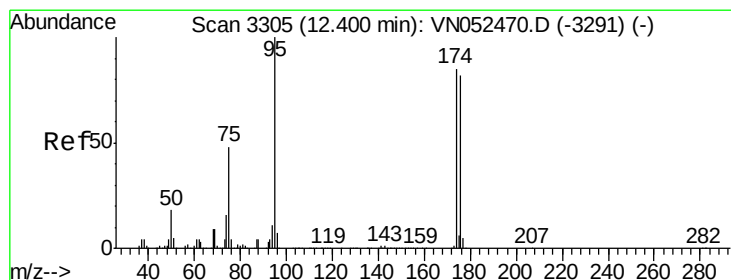
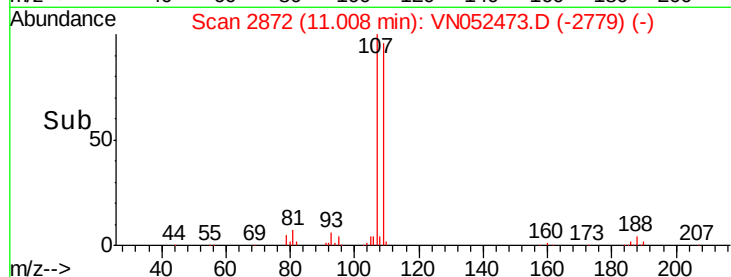
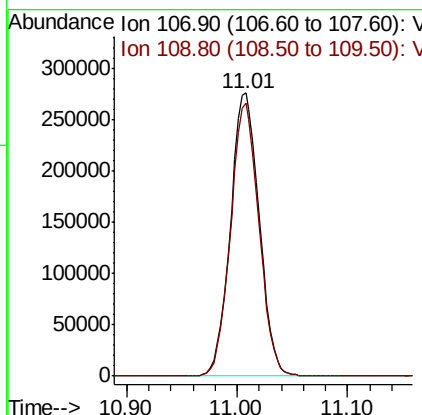
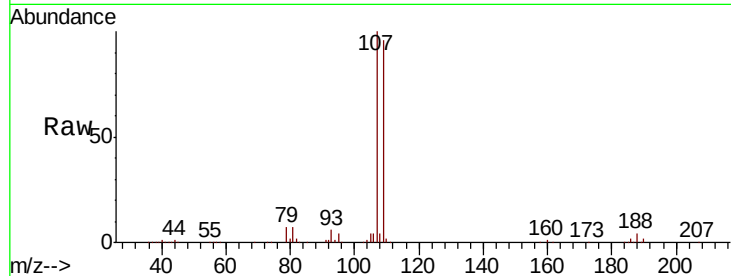
#61
1,2-Dibromoethane
Concen: 49.302 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 107 Resp: 498653
Ion Ratio Lower Upper
107 100
109 95.2 75.6 113.4

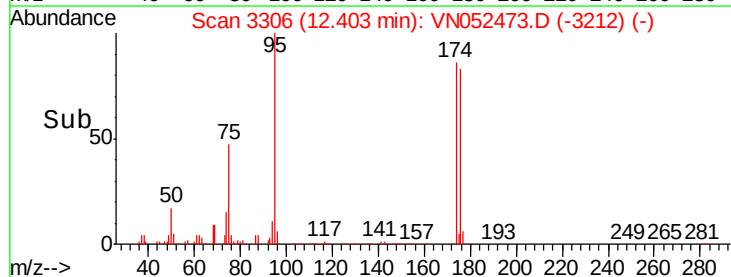
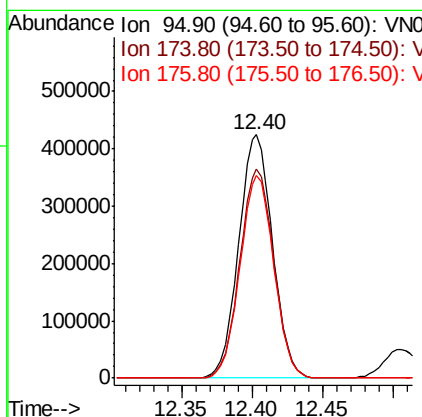
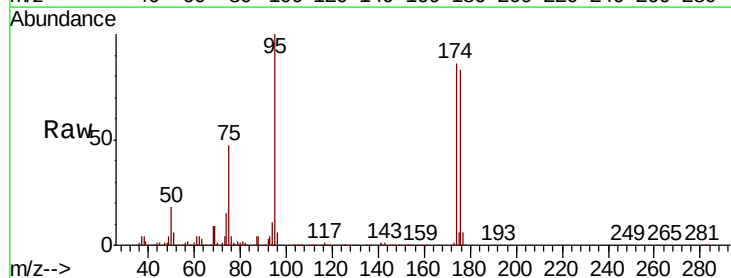
Manual Integrations
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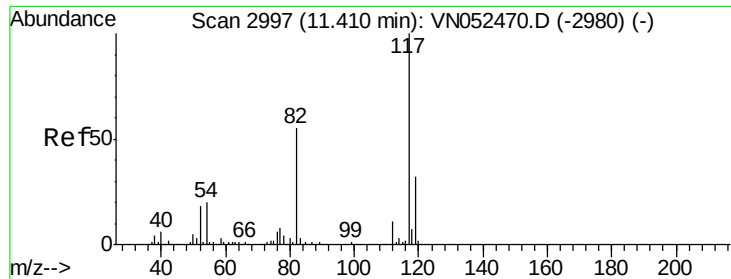
MMDadoda
11/28/2018 9:33:47 AM



#62
4-Bromofluorobenzene
Concen: 49.302 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 95 Resp: 711770
Ion Ratio Lower Upper
95 100
174 86.5 0.0 173.0
176 83.4 0.0 166.2





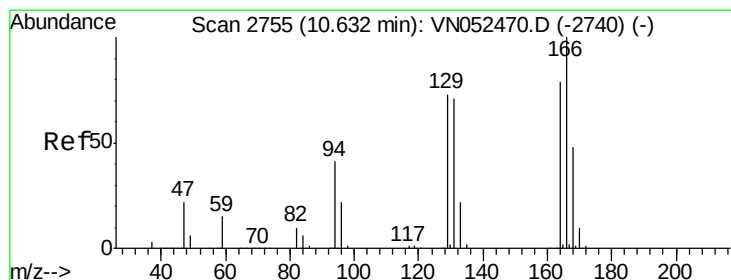
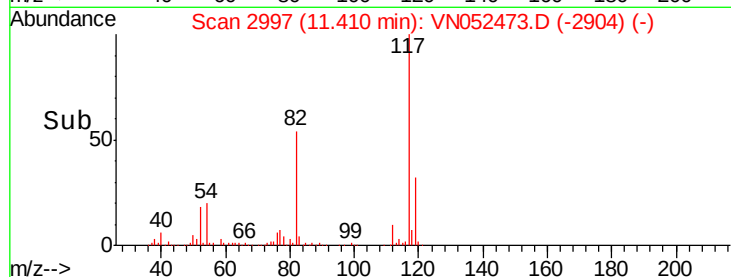
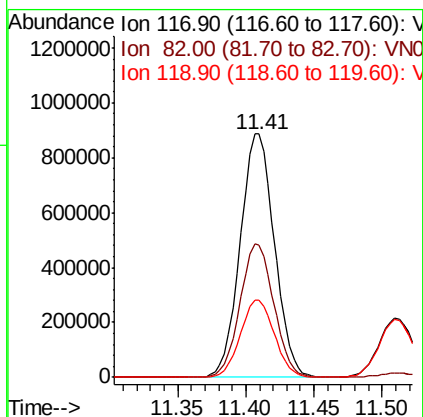
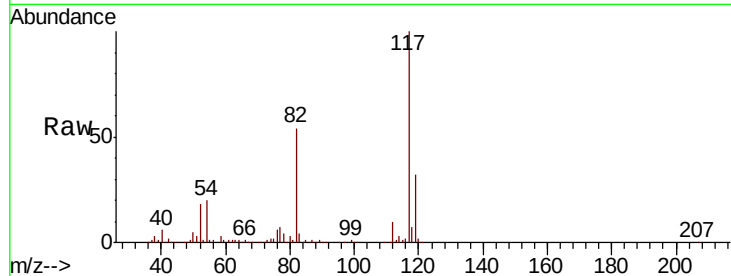
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.6	65.4
119	31.8	25.4	38.2

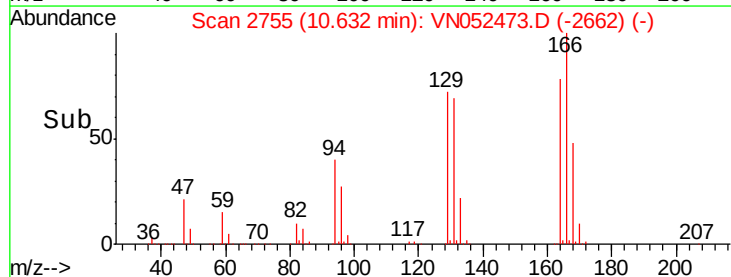
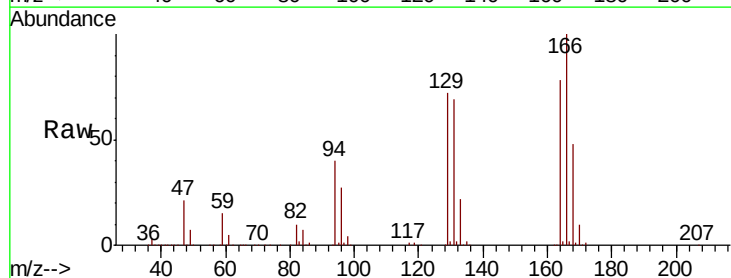
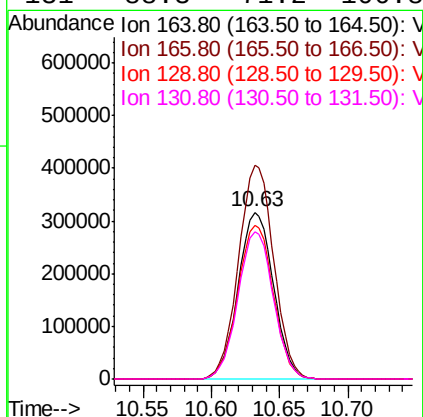
Manual Integrations
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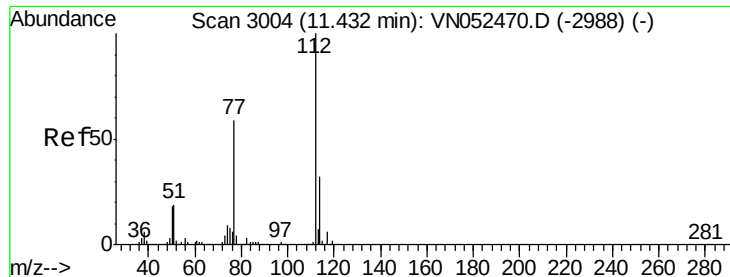
MMDadoda
11/28/2018 9:33:47 AM



#64
Tetrachloroethene
Concen: 47.684 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.0	151.4
129	92.3	73.8	110.6
131	88.3	71.2	106.8





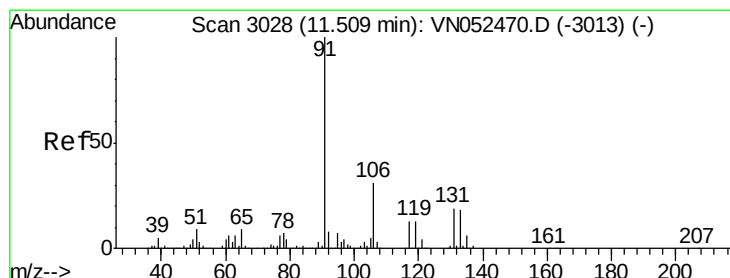
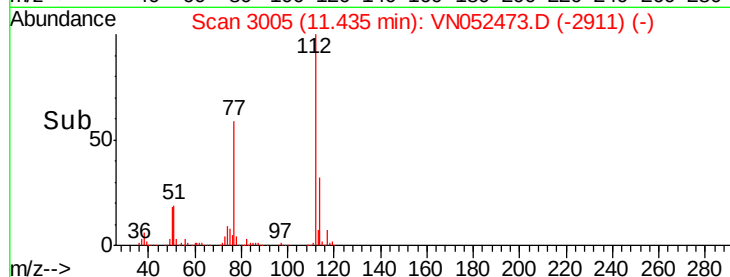
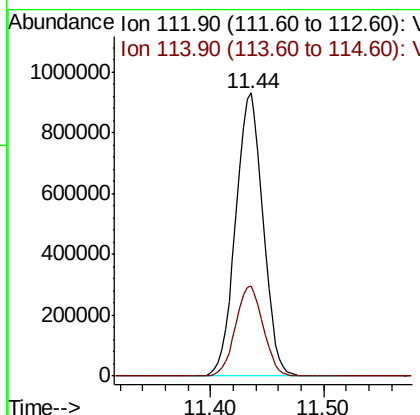
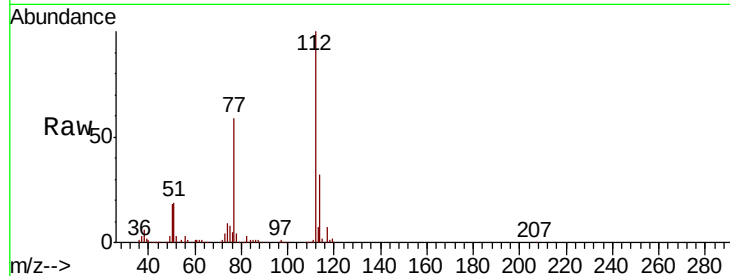
#65
Chlorobenzene
Concen: 49.372 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion:112 Resp: 1570436
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

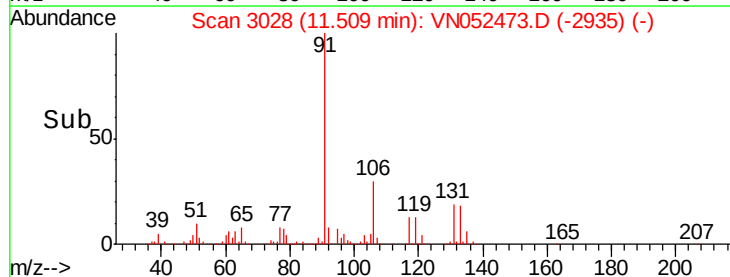
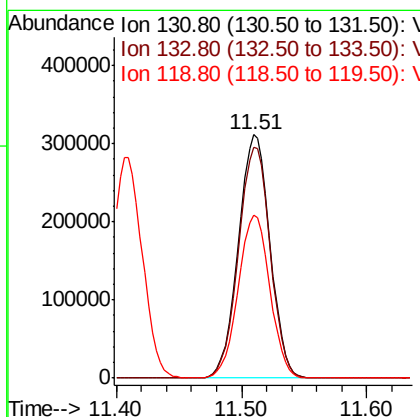
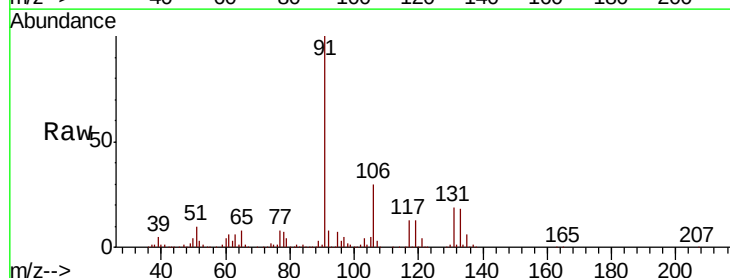
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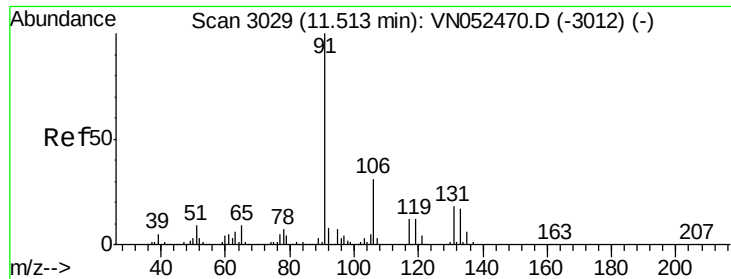
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.342 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion:131 Resp: 545722
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 67.0 33.2 99.6





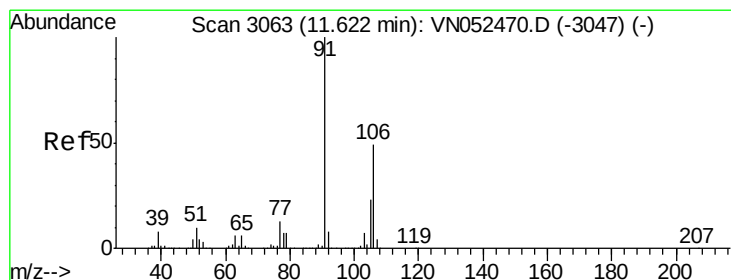
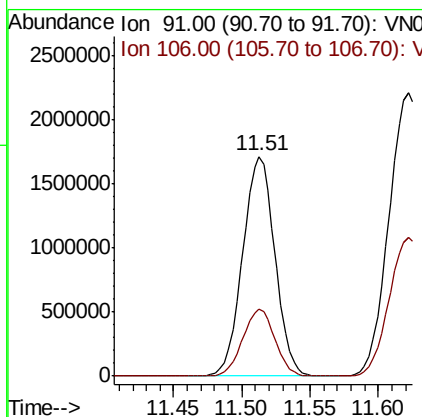
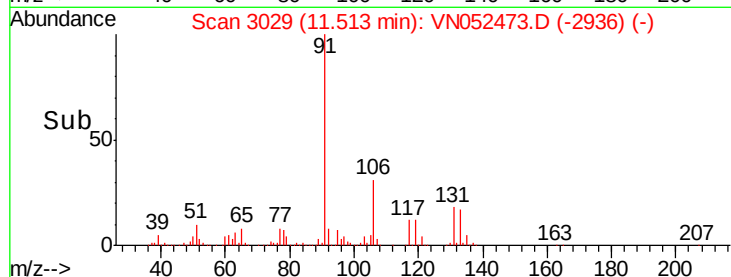
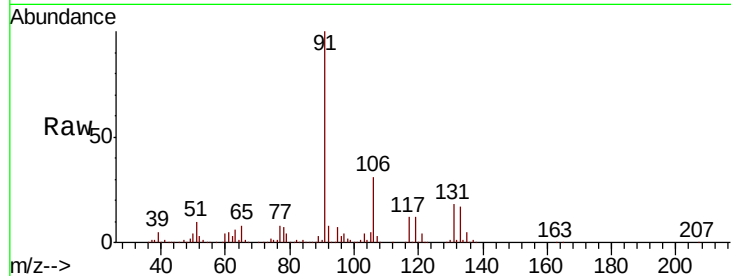
#67
Ethyl Benzene
Concen: 50.350 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 91 Resp: 2804578
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

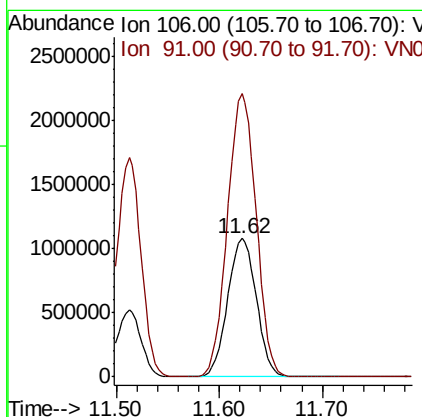
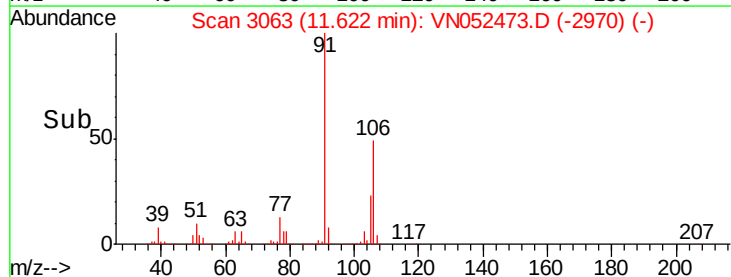
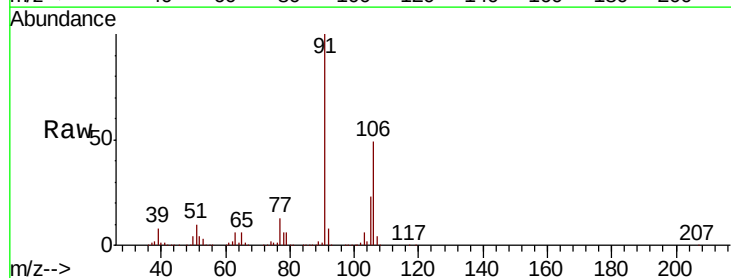
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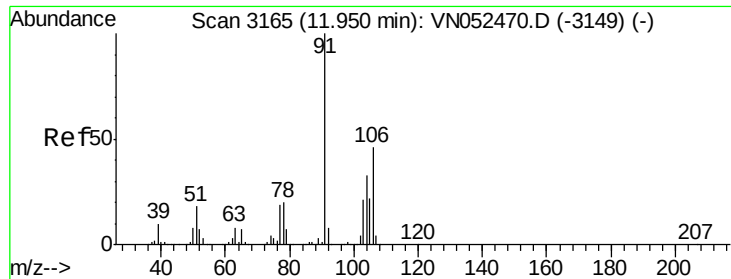
MMDadoda
11/28/2018 9:33:47 AM



#68
m/p-Xylenes
Concen: 100.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 106 Resp: 2094101
Ion Ratio Lower Upper
106 100
91 204.6 163.2 244.8





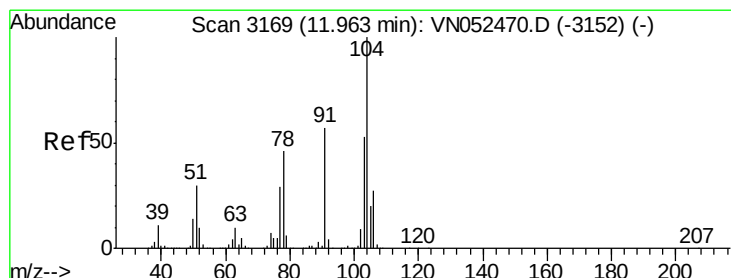
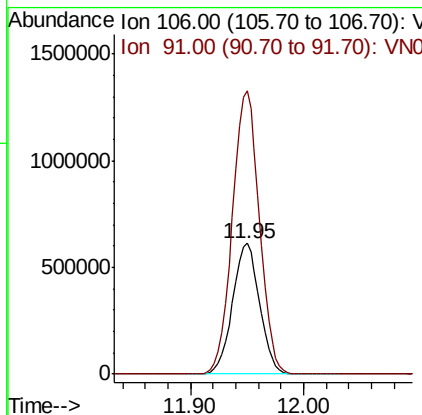
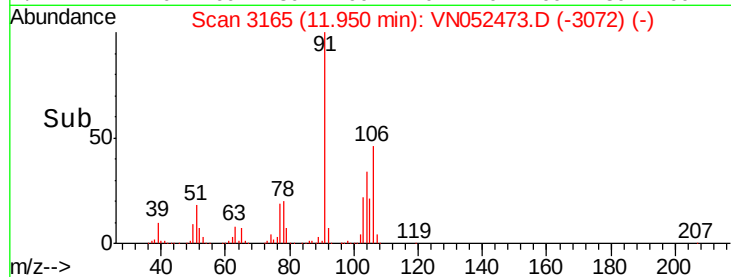
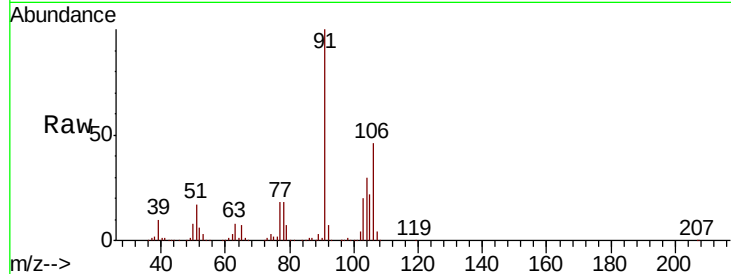
#69
o-Xylene
Concen: 50.459 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion:106 Resp: 1016078
Ion Ratio Lower Upper
106 100
91 216.5 107.7 323.1

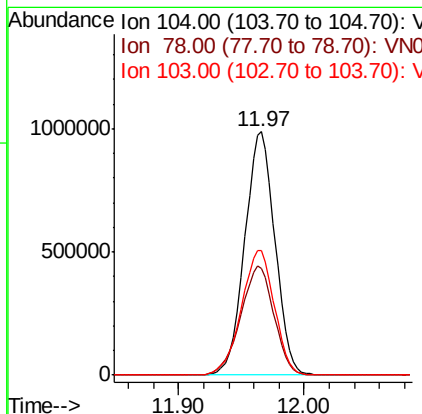
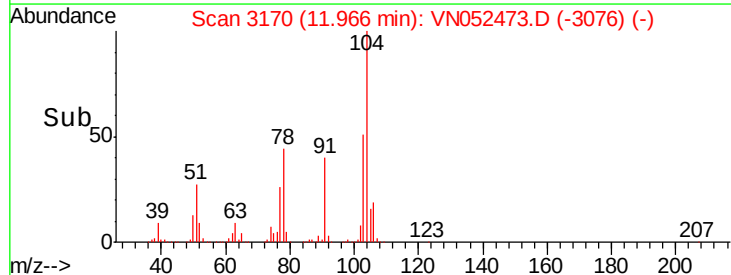
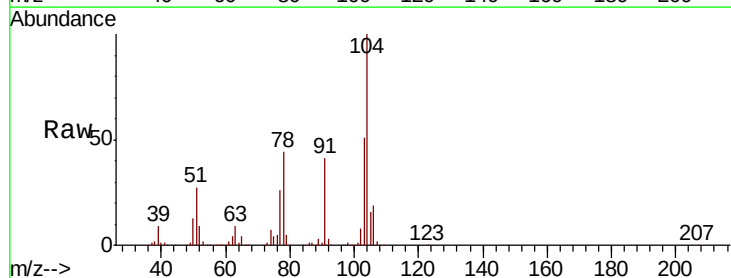
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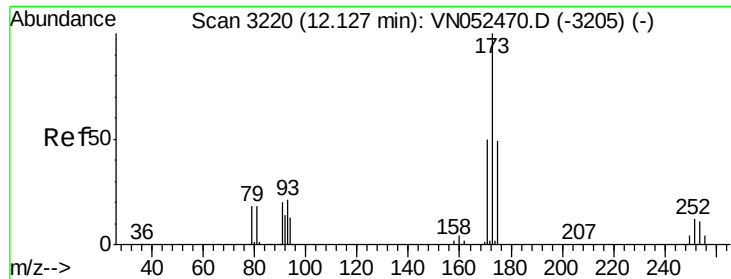
MMDadoda
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#70
Styrene
Concen: 51.580 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion:104 Resp: 1654323
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 55.8 44.9 67.3





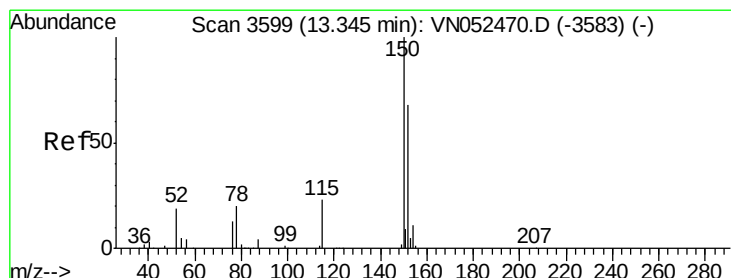
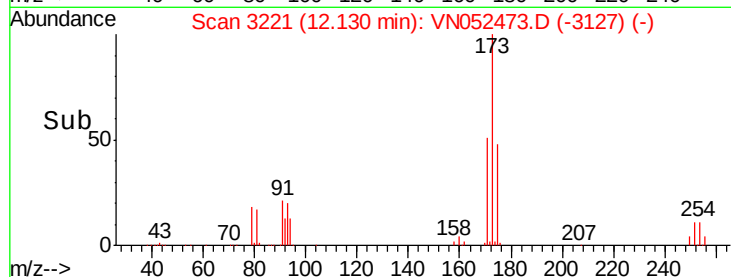
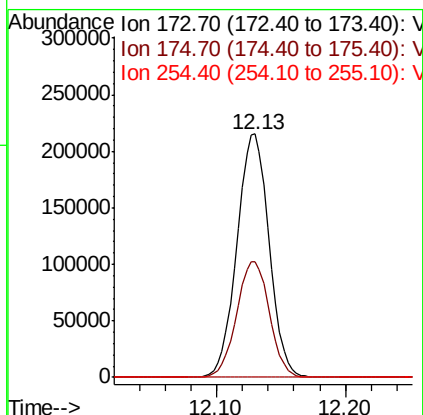
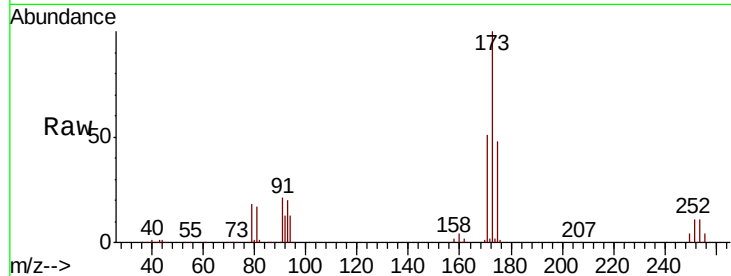
#71
Bromoform
Concen: 50.863 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.1	0.1#

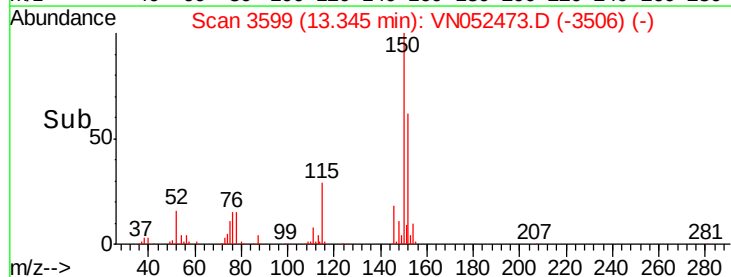
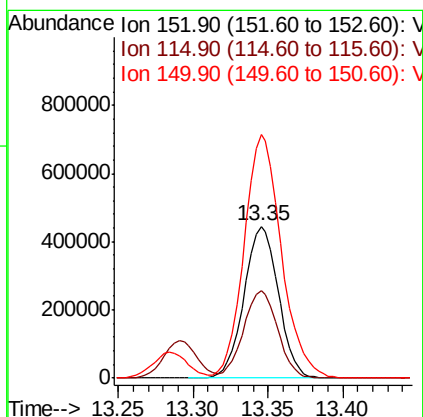
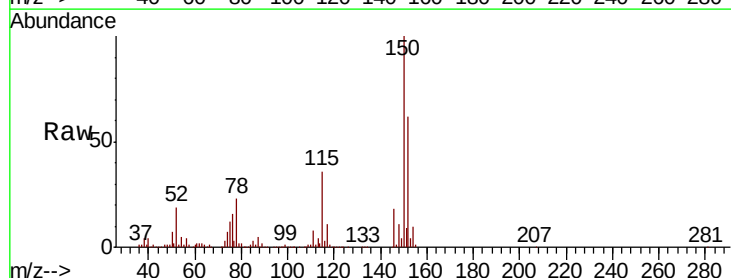
Manual Integrations
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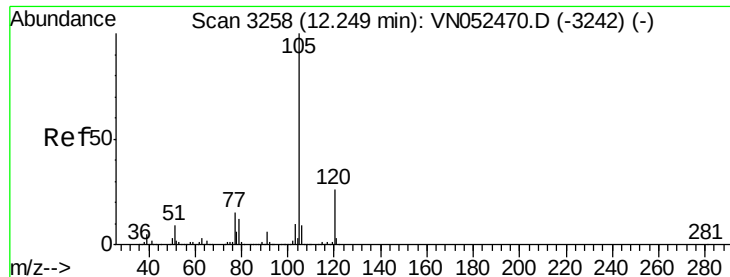
MMDadoda
11/28/2018 9:33:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.4	85.2
150	174.1	0.0	346.0





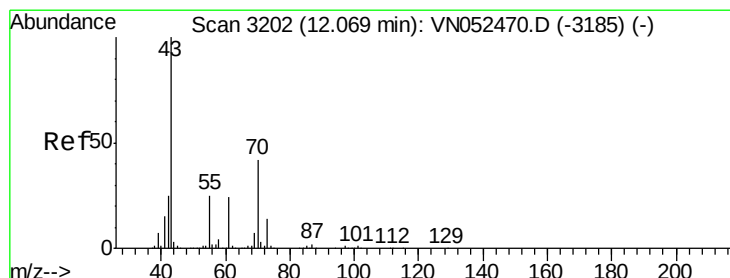
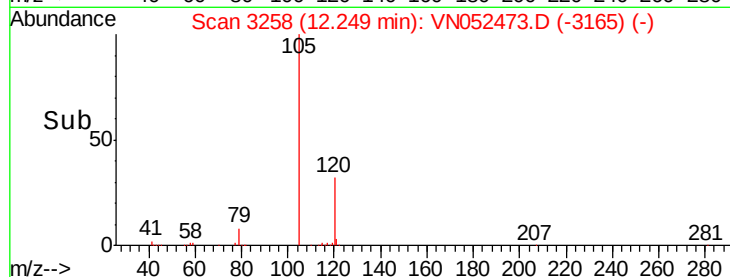
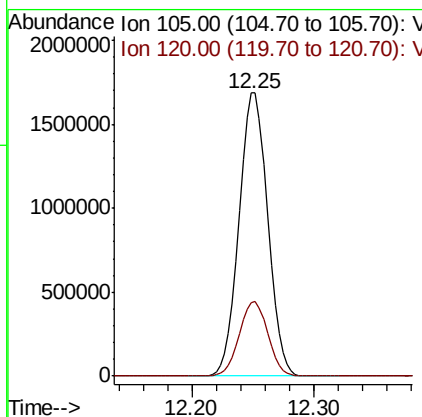
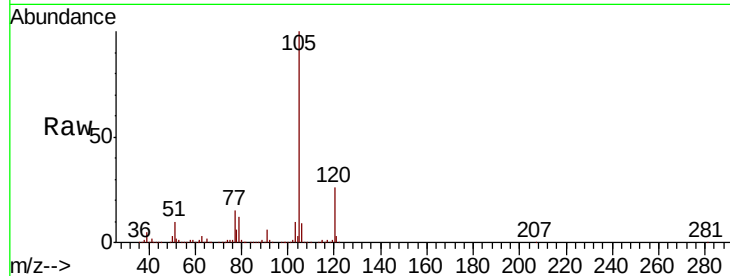
#73
Isopropylbenzene
Concen: 48.938 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112718

Tgt Ion: 105 Resp: 2727744
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3

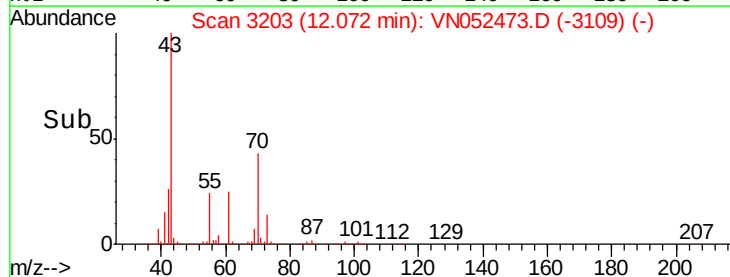
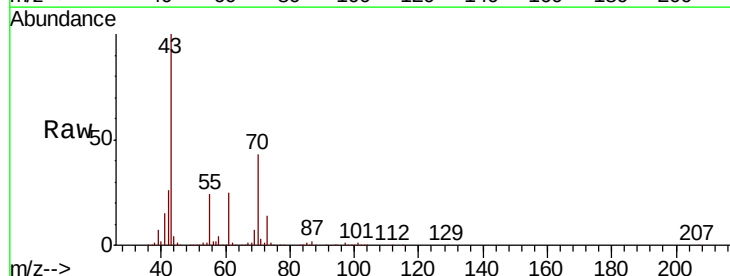
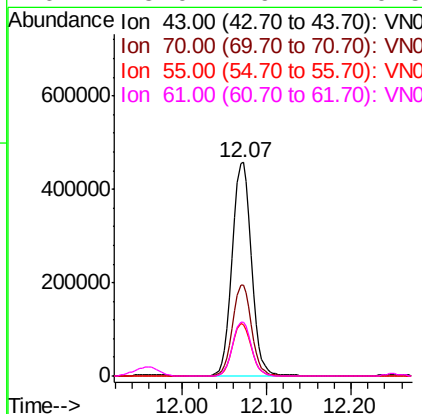
Manual Integrations
APPROVED

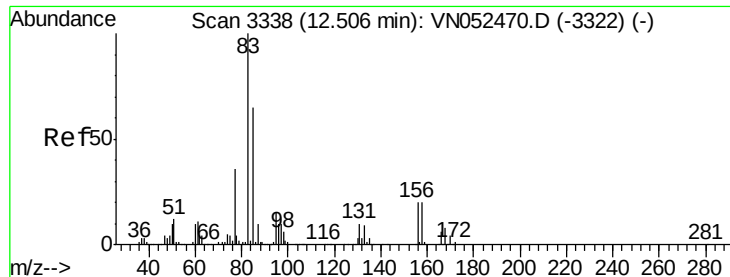
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#74
N-ethyl acetate
Concen: 51.659 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion: 43 Resp: 727456
Ion Ratio Lower Upper
43 100
70 42.2 33.8 50.8
55 24.3 20.0 30.0
61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.497 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 83 Resp: 602231
Ion Ratio Lower Upper

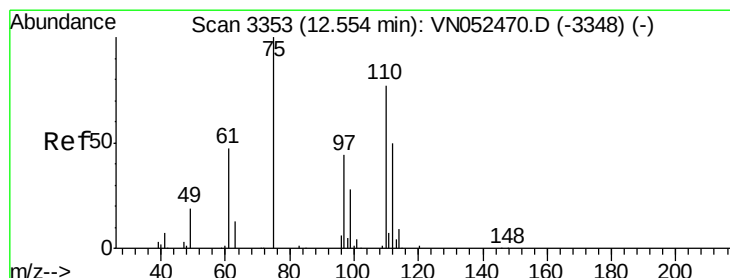
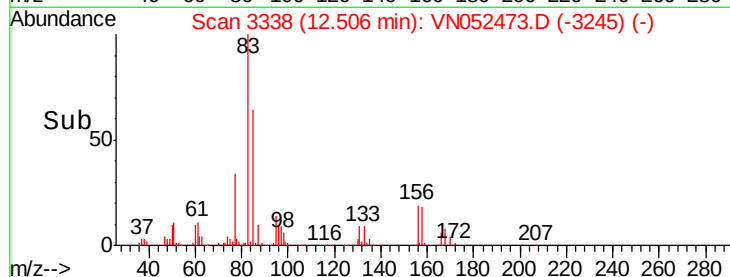
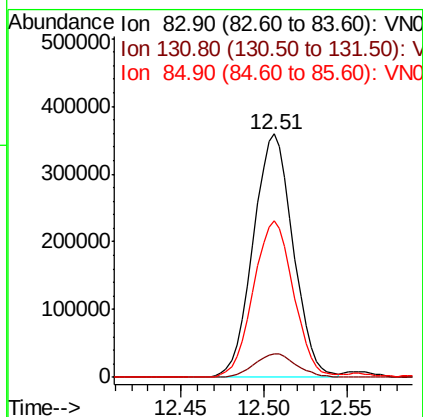
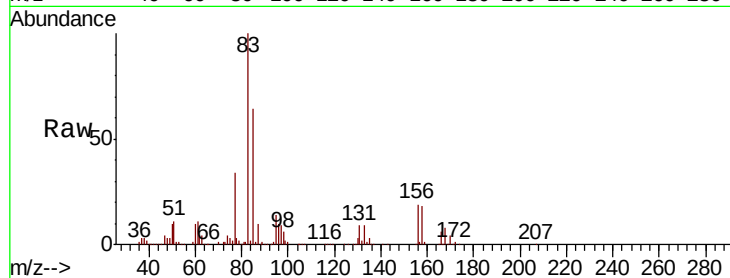
83 100

131 10.3 5.0 15.0

85 64.7 31.9 95.9

Manual Integrations
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11/28/2018 9:33:47 AM



#76

1,2,3-Trichloropropane

Concen: 47.428 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

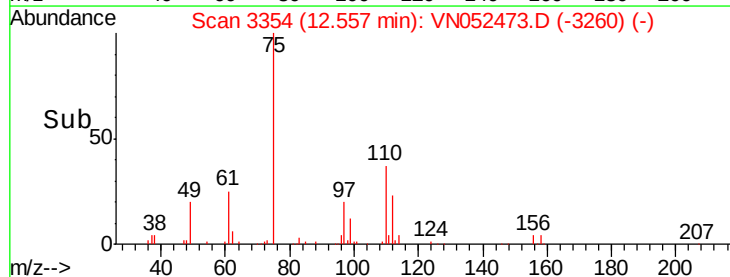
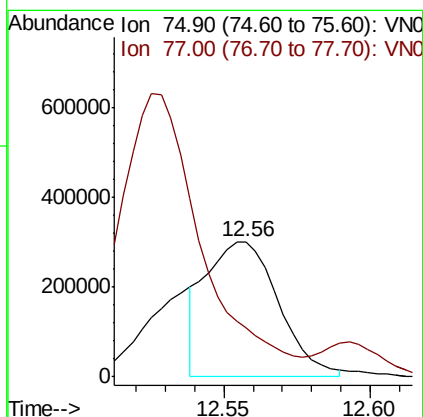
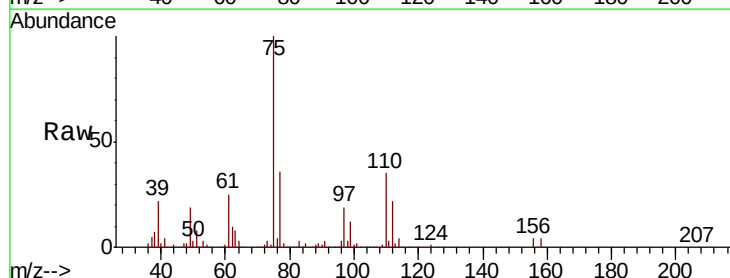
Lab File: VN052473.D

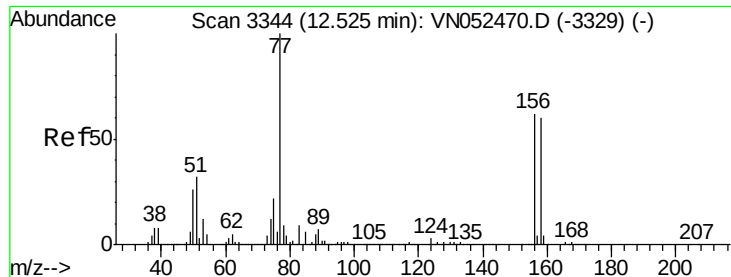
Acq: 27 Nov 2018 11:58

Tgt Ion: 75 Resp: 519591
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.336 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

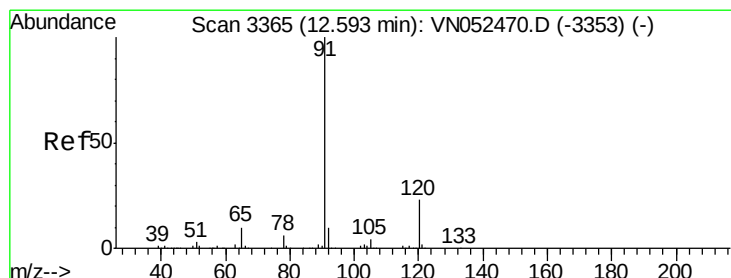
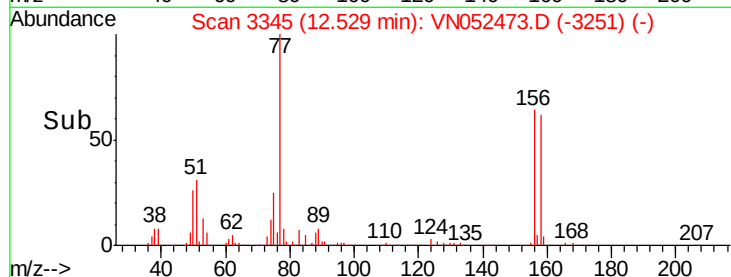
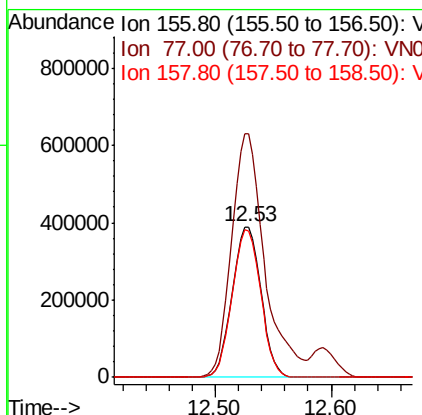
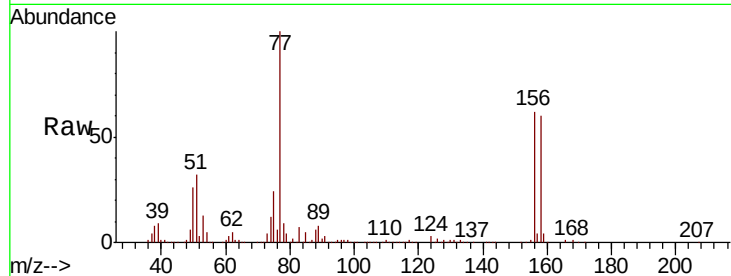
ClientSampleId :

ICVVN112718

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	665933		
77	186.3	93.5	280.4	
158	97.2	48.3	144.9	

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#78

n-propylbenzene

Concen: 50.370 ug/l

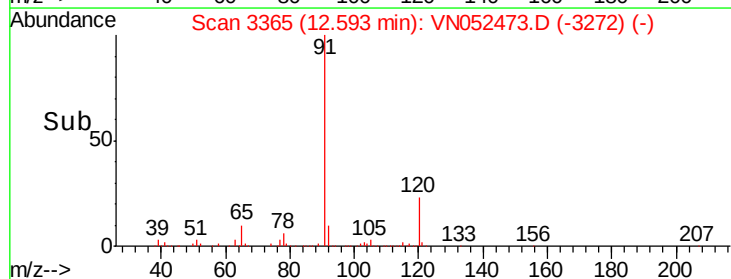
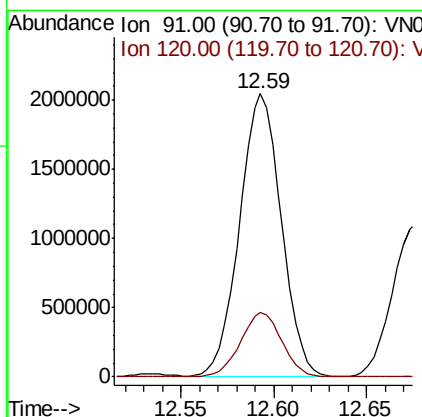
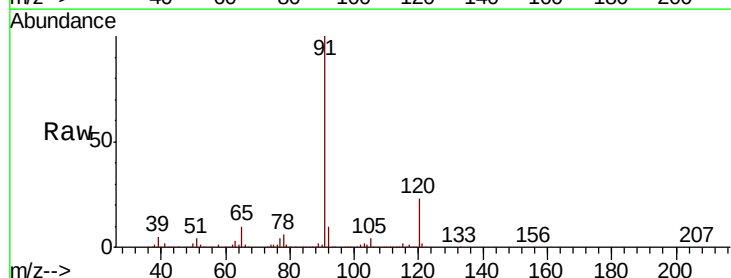
RT: 12.59 min Scan# 3365

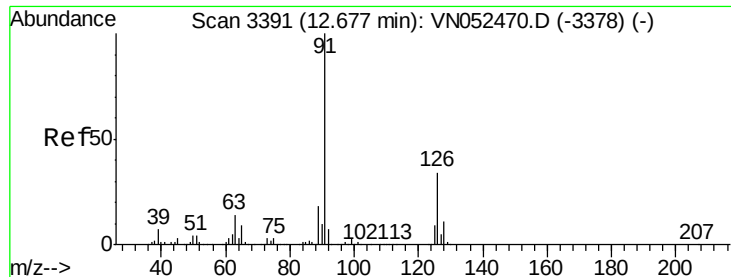
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3189546		
120	22.7	11.3	33.9	





#79

2-Chlorotoluene

Concen: 48.735 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112718

Tgt Ion: 91 Resp: 1837738

Ion Ratio Lower Upper

91 100

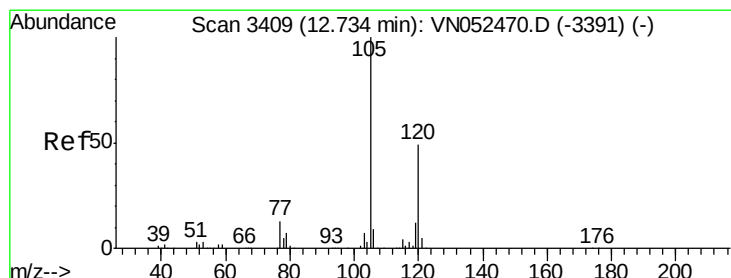
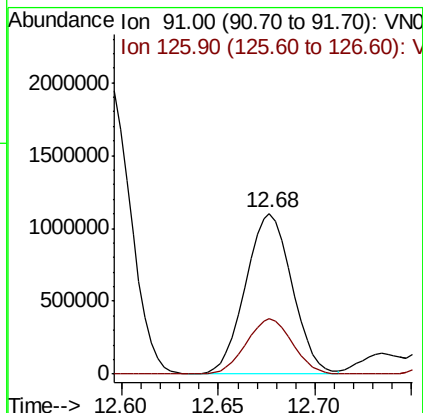
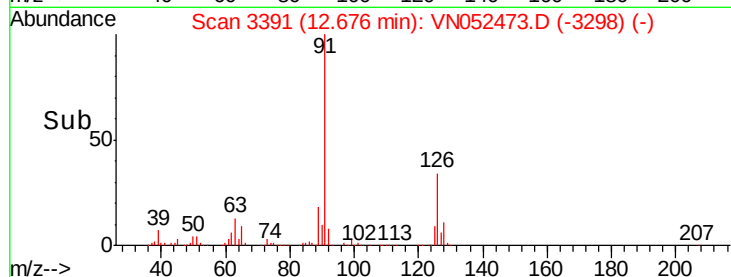
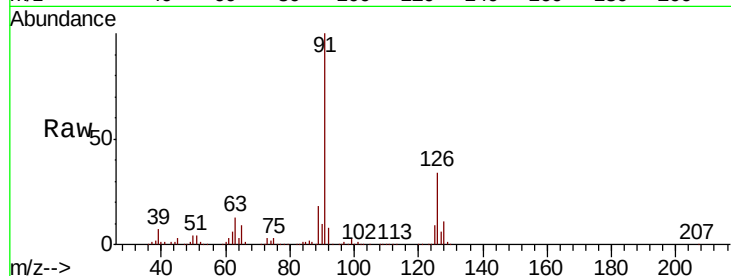
126 34.4 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 50.348 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052473.D

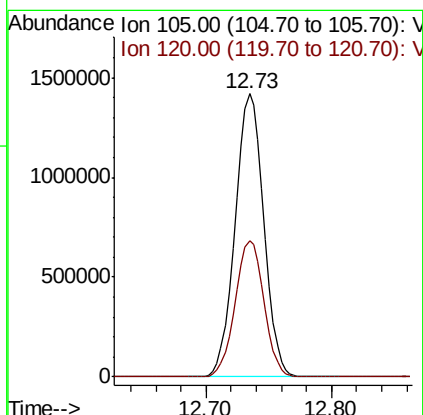
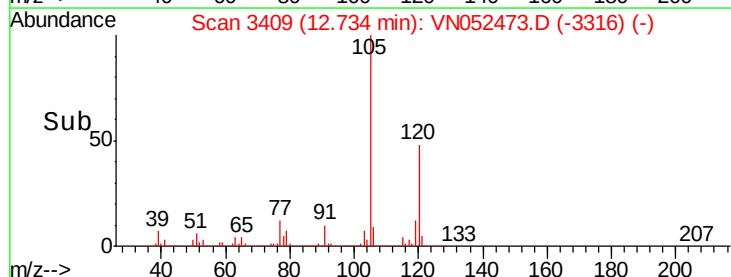
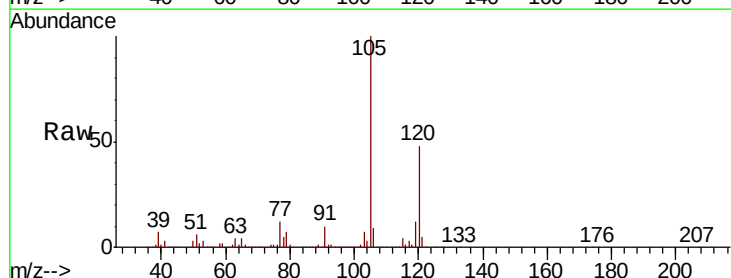
Acq: 27 Nov 2018 11:58

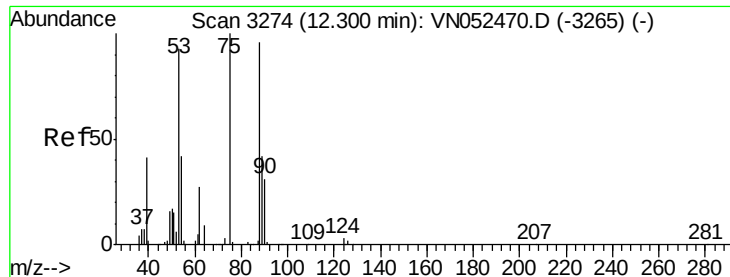
Tgt Ion: 105 Resp: 2238198

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.490 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

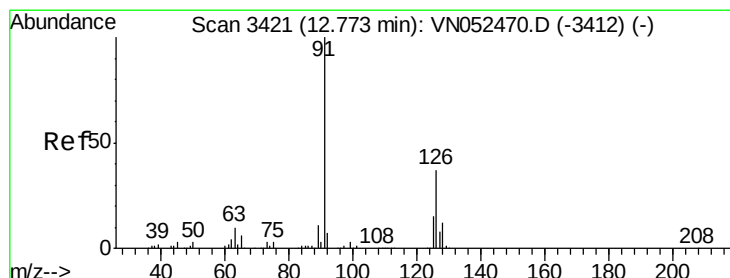
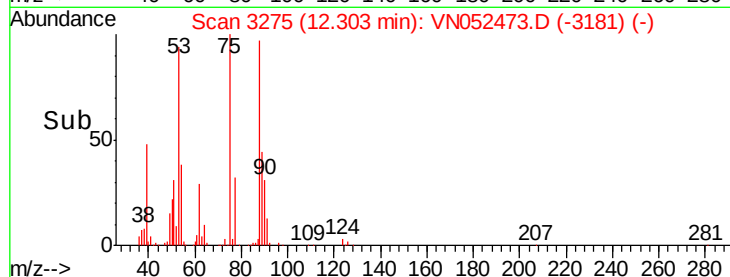
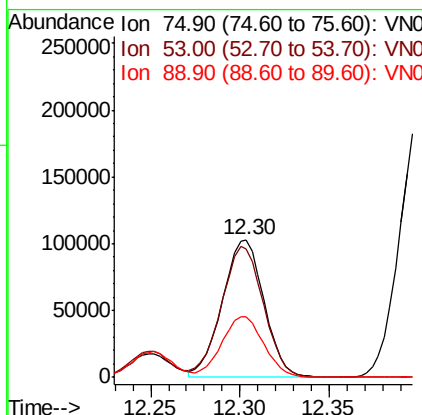
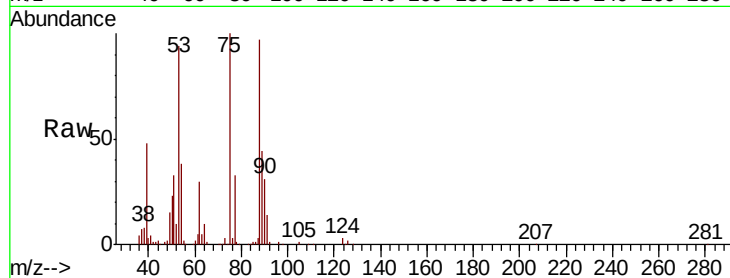
ClientSampleId :

ICVVN112718

Tgt Ion:	75	Resp:	165634
Ion Ratio	Lower	Upper	
75	100		
53	97.4	77.4	116.0
89	44.9	35.4	53.2

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#82

4-Chlorotoluene

Concen: 49.123 ug/l

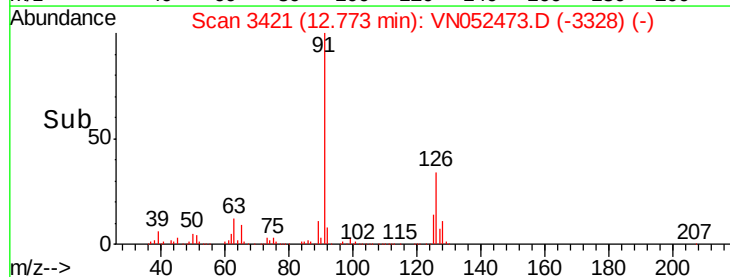
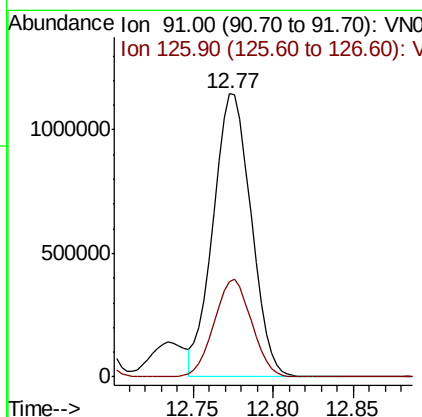
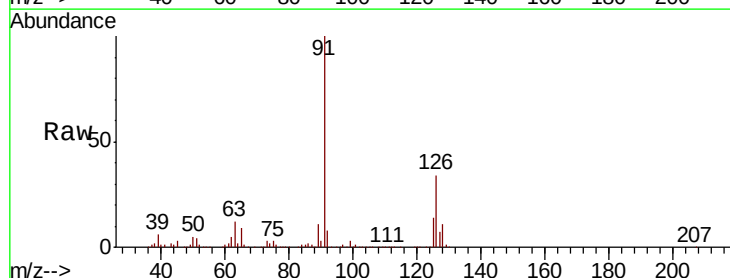
RT: 12.77 min Scan# 3421

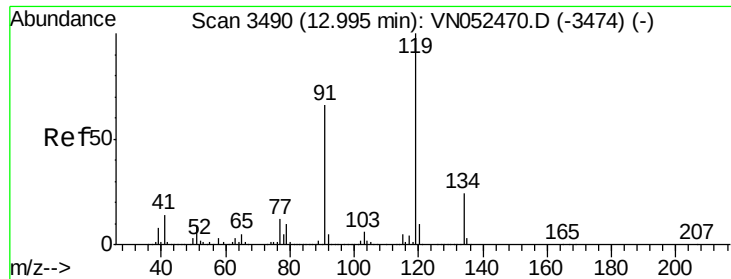
Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Tgt Ion:	91	Resp:	1866866
Ion Ratio	Lower	Upper	
91	100		
126	34.1	16.9	50.6





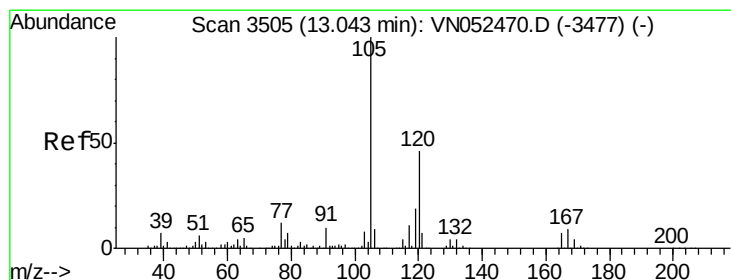
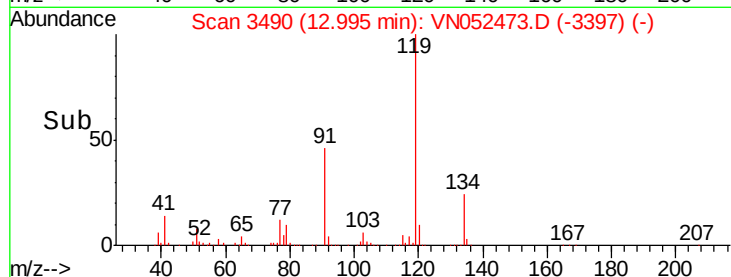
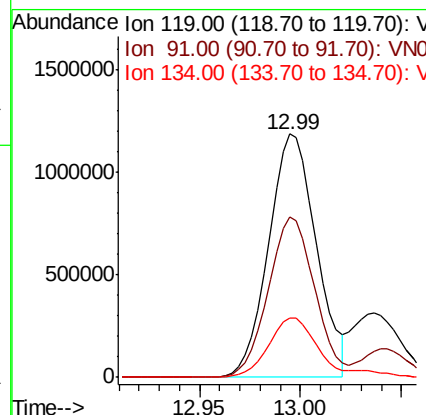
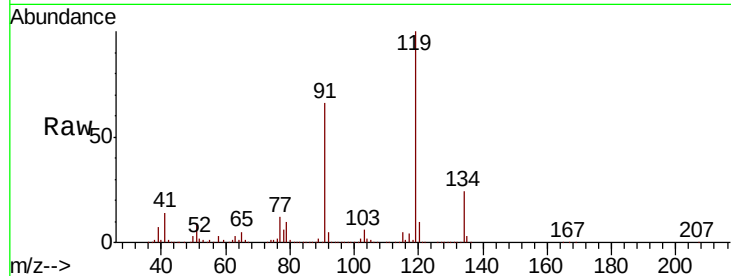
#83
 tert-Butylbenzene
 Concen: 49.158 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion:119 Resp: 1948190
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.3 96.9
 134 26.3 13.0 38.9

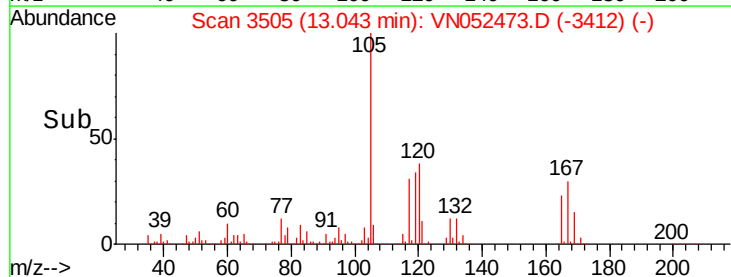
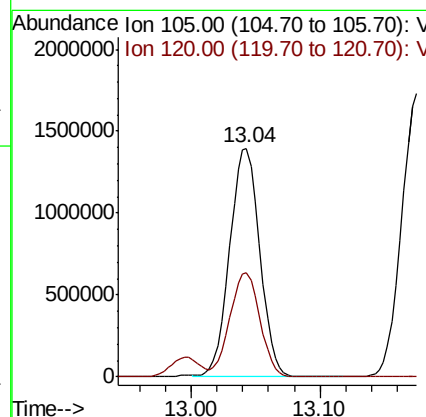
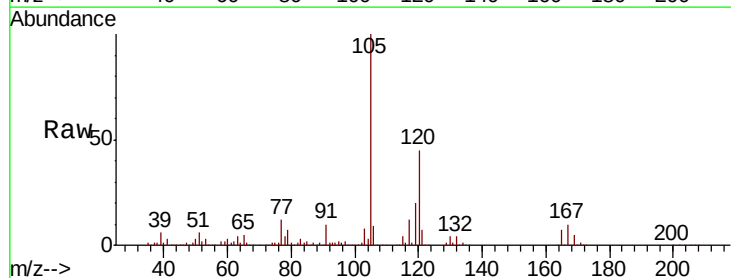
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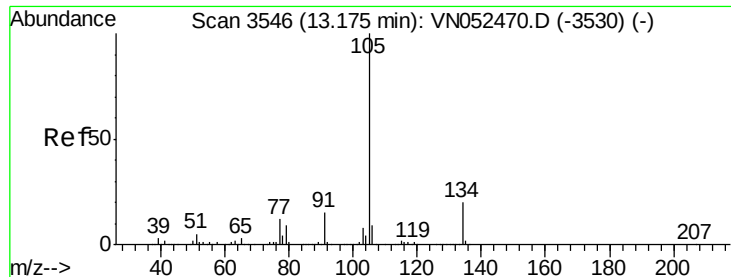
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.616 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion:105 Resp: 2254962
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4





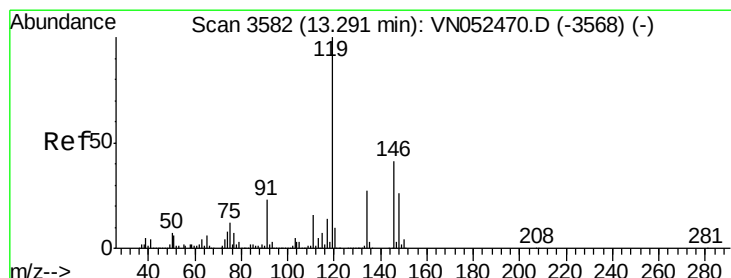
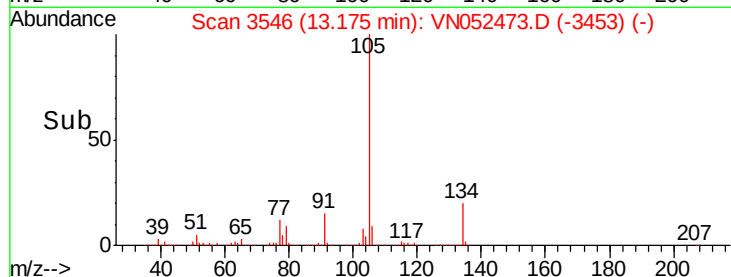
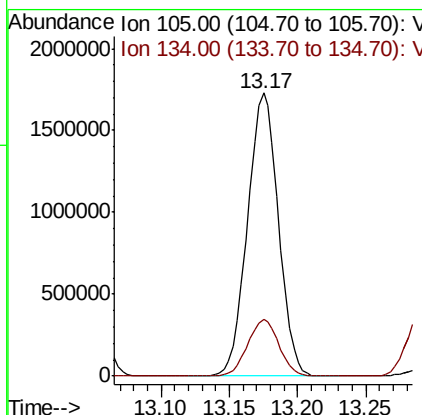
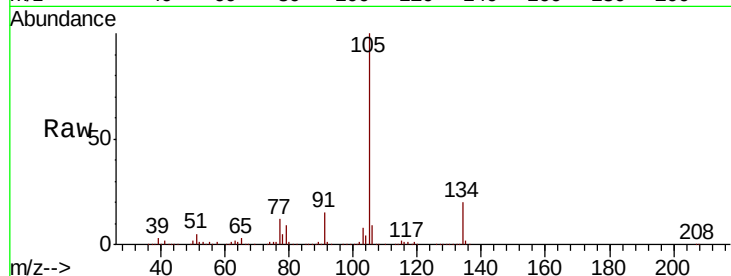
#85
 sec-Butylbenzene
 Concen: 50.231 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion:105 Resp: 2711411
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7

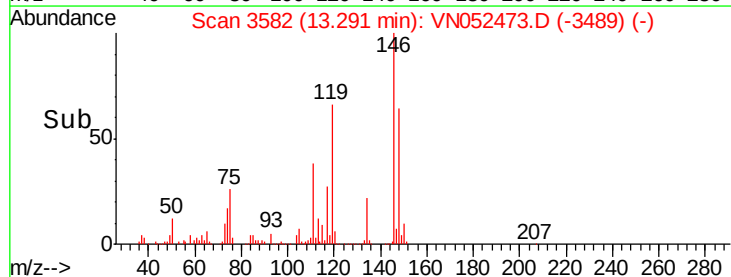
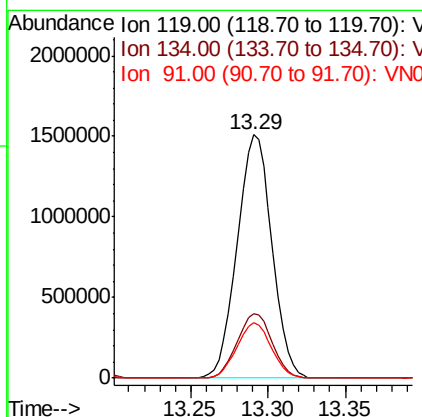
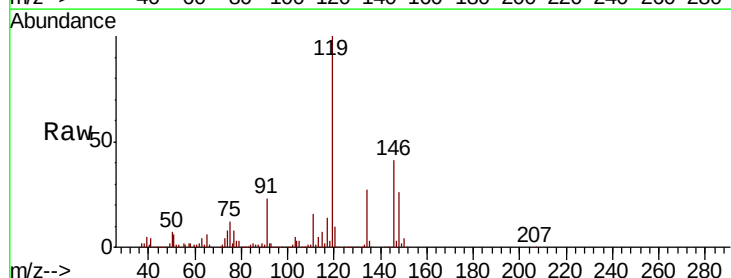
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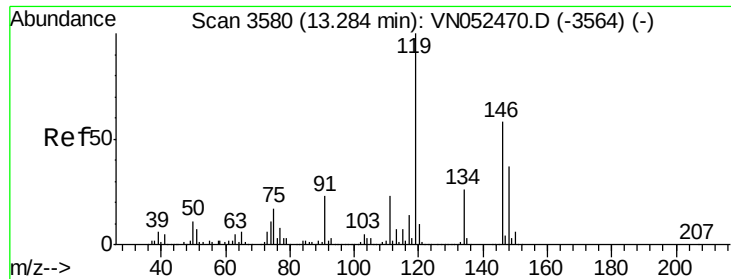
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 11/28/2018 9:33:47 AM



#86
 p-Isopropyltoluene
 Concen: 51.037 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion:119 Resp: 2346427
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.7 11.4 34.2





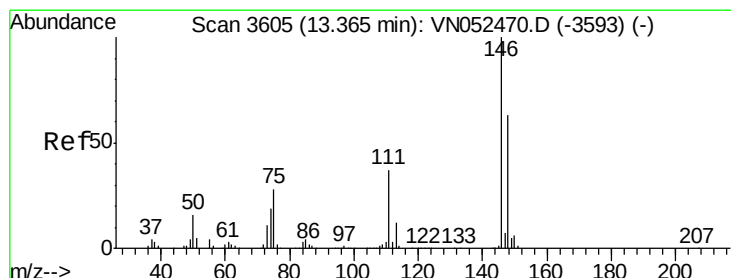
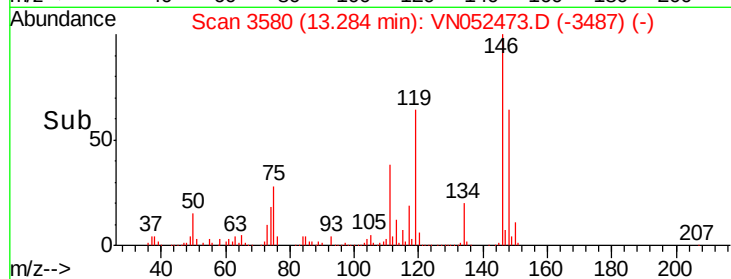
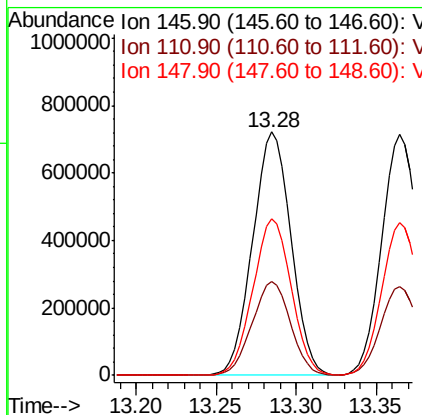
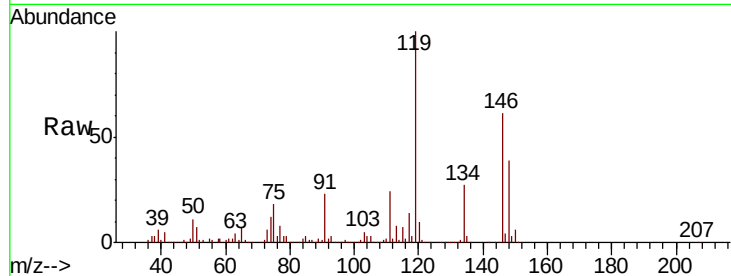
#87
 1,3-Dichlorobenzene
 Concen: 49.451 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.4
148	64.0	31.8	95.4

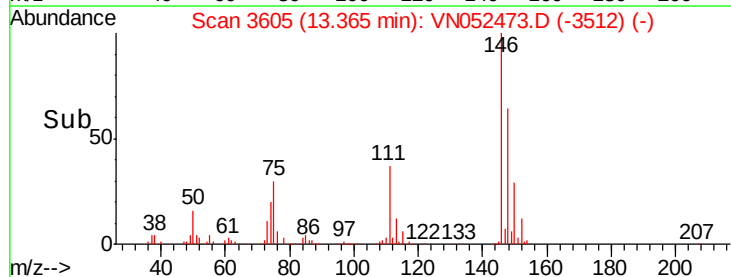
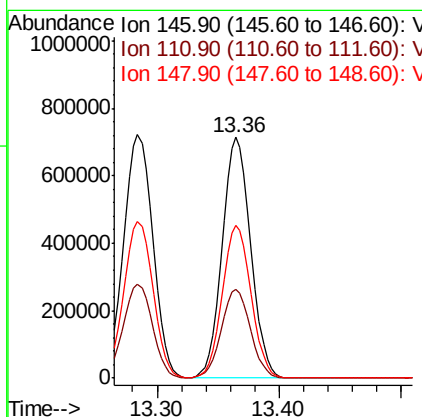
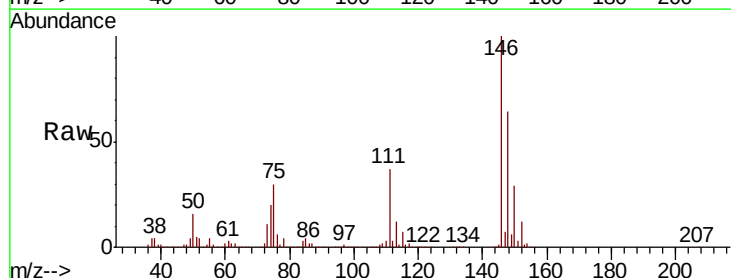
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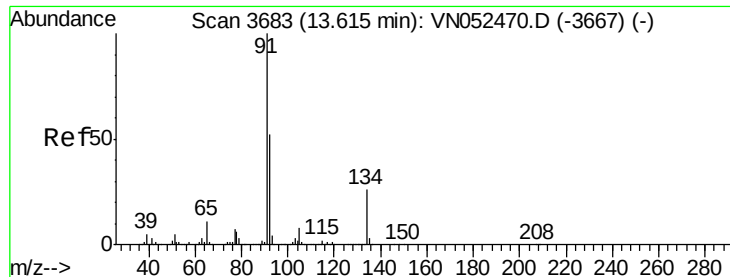
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#88
 1,4-Dichlorobenzene
 Concen: 49.283 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 53.515 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052473.D

Acq: 27 Nov 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112718

Tgt Ion: 91 Resp: 2046176

Ion Ratio Lower Upper

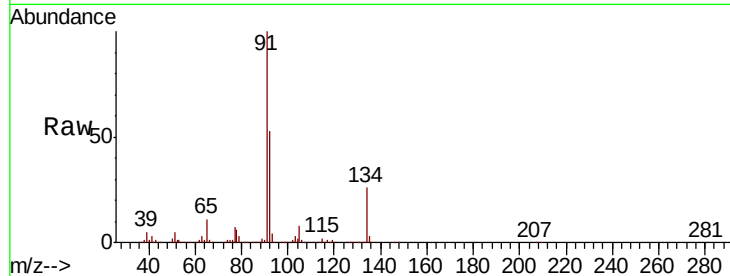
91 100

92 52.6 26.1 78.3

134 26.0 13.0 38.9

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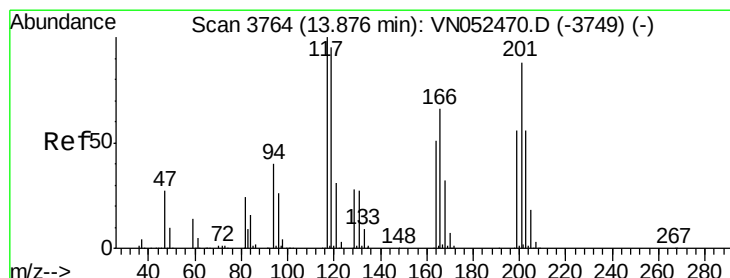
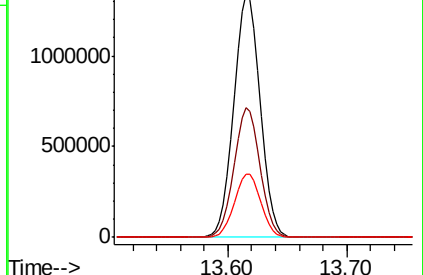
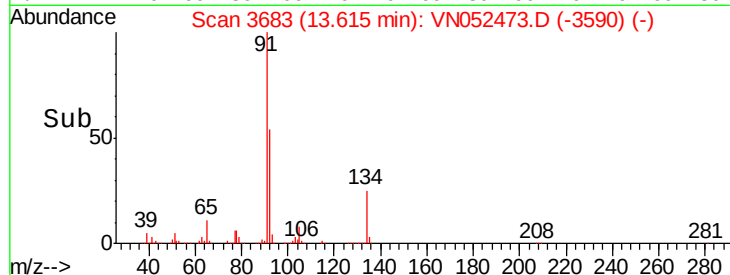
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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 49.811 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052473.D

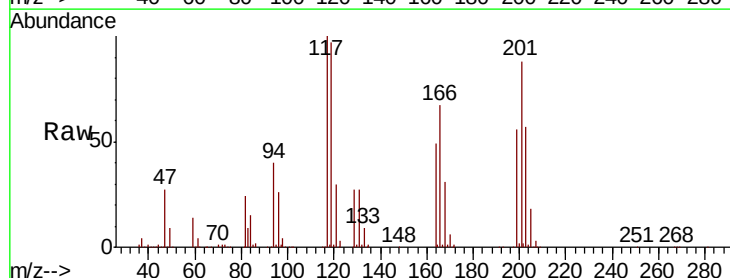
Acq: 27 Nov 2018 11:58

Tgt Ion: 117 Resp: 387760

Ion Ratio Lower Upper

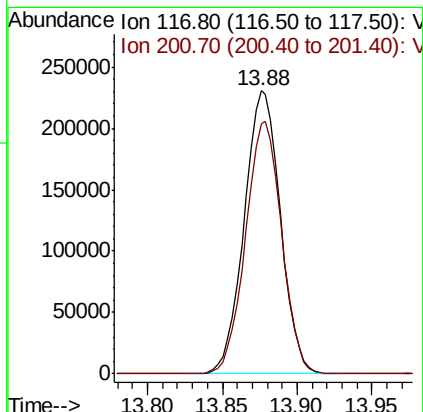
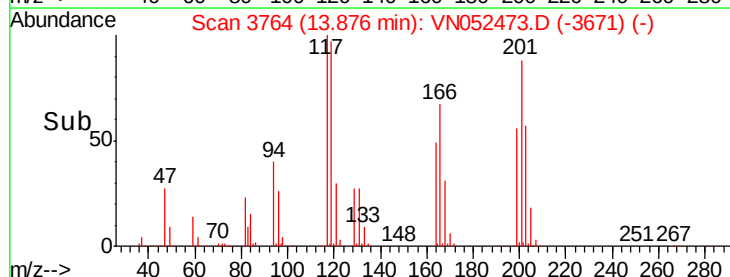
117 100

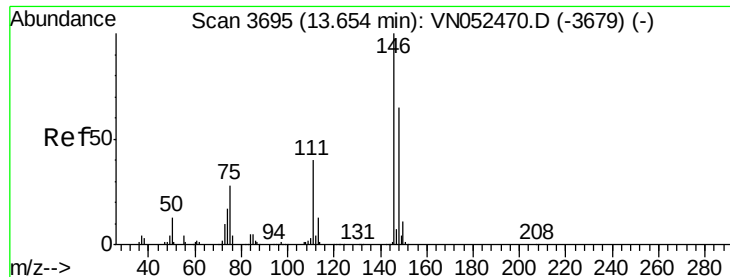
201 89.0 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





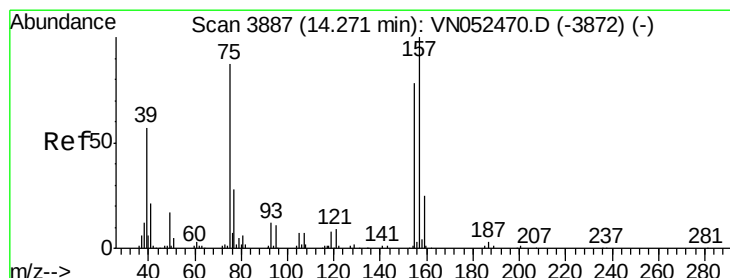
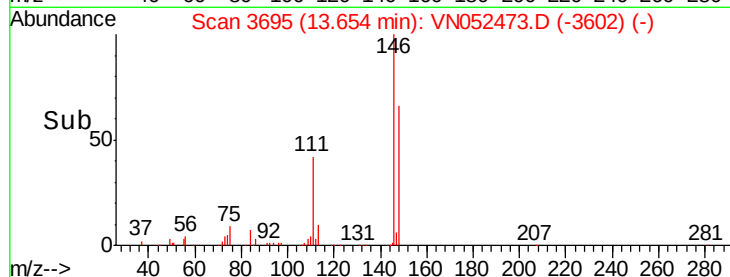
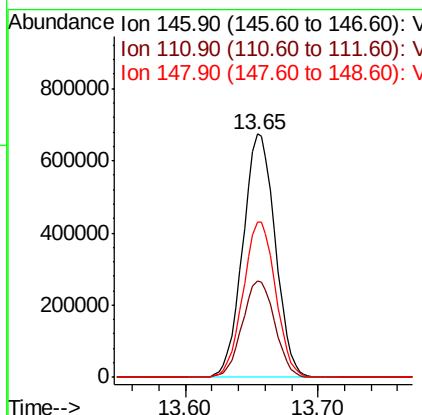
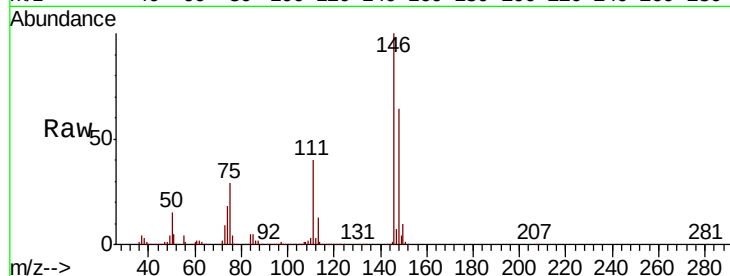
#91
 1,2-Dichlorobenzene
 Concen: 49.496 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.1	32.0	96.2

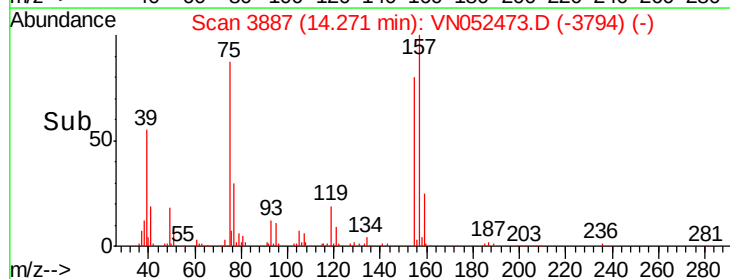
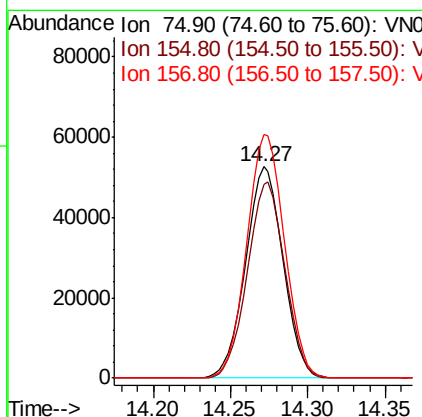
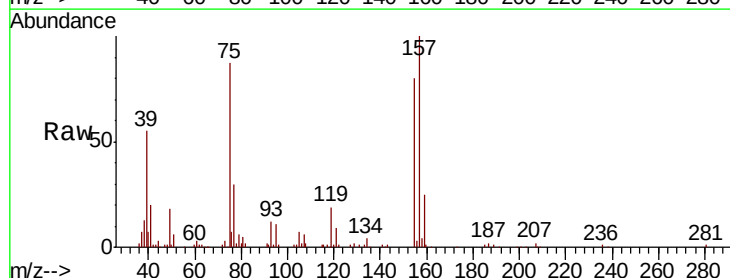
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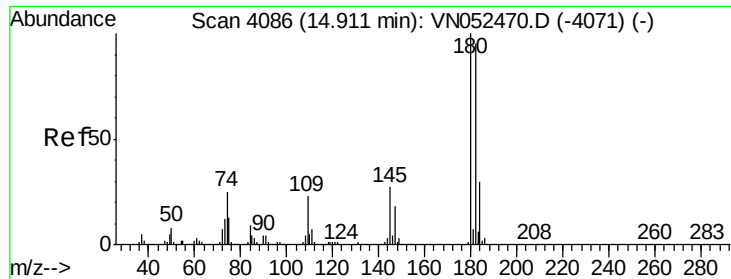
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.166 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	45.3	135.9
157	116.0	58.1	174.2





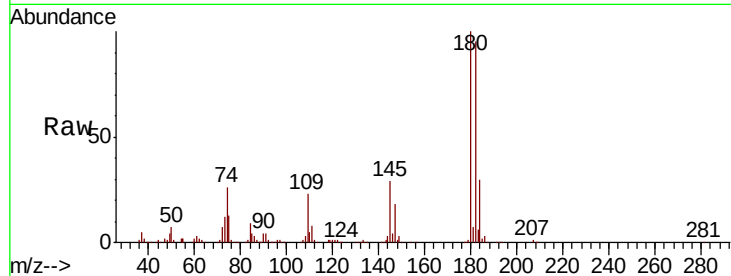
#93
 1,2,4-Trichlorobenzene
 Concen: 47.578 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112718

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	598264		
182	95.7	47.8	143.4	
145	29.2	14.1	42.3	

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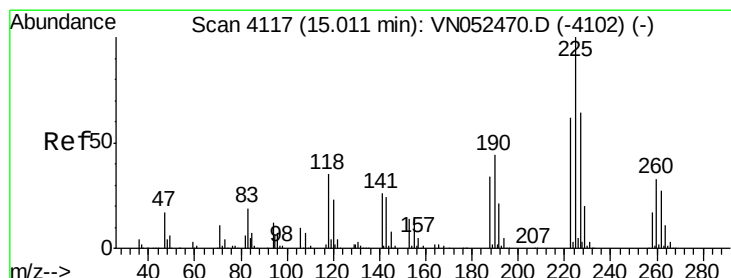
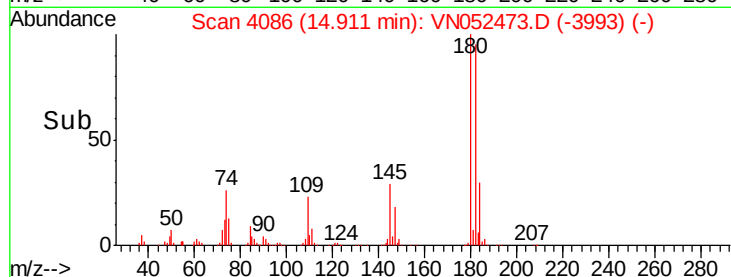
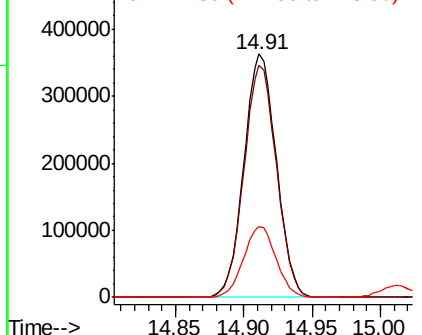


Abundance

Ion 179.80 (179.50 to 180.50): V

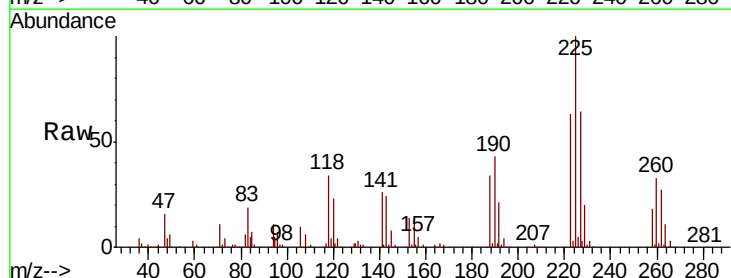
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.849 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052473.D
 Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	391455		
223	63.2	31.4	94.2	
227	64.3	32.5	97.4	

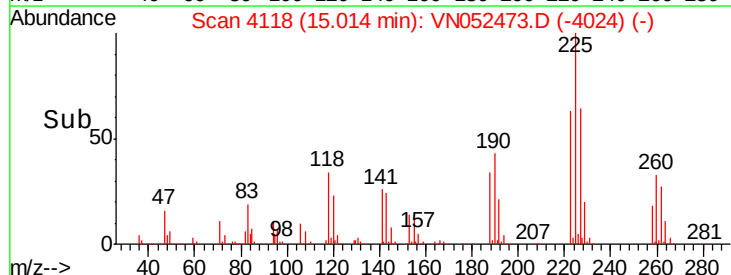
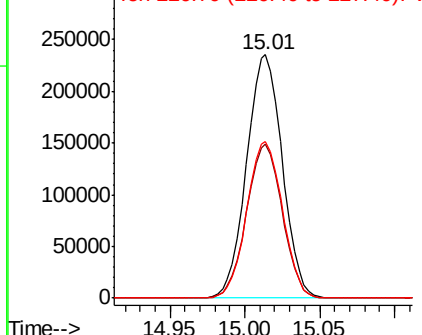


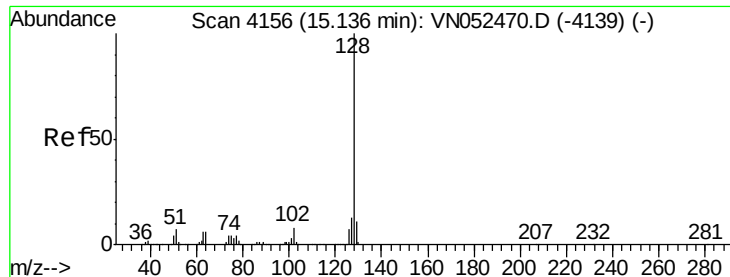
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





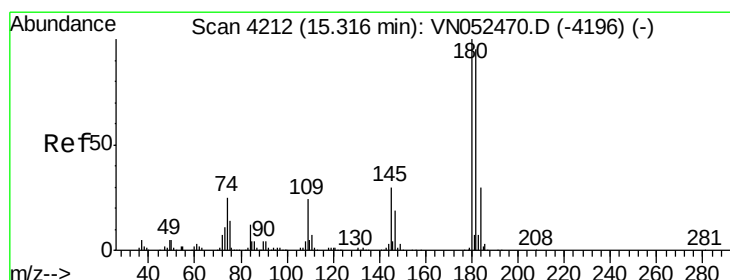
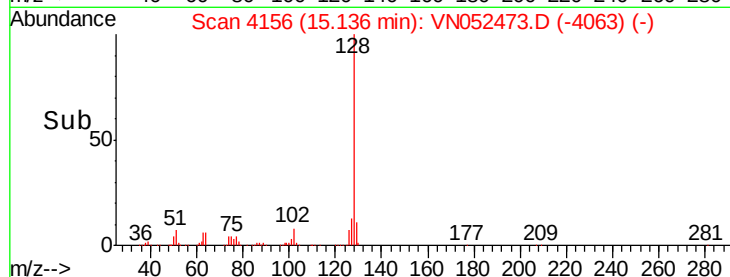
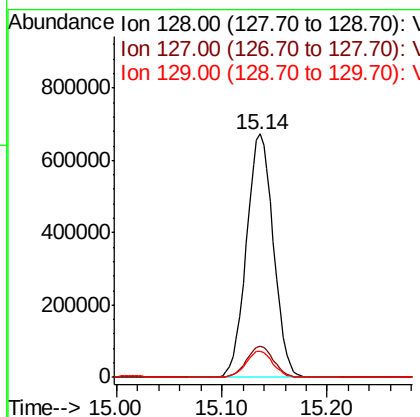
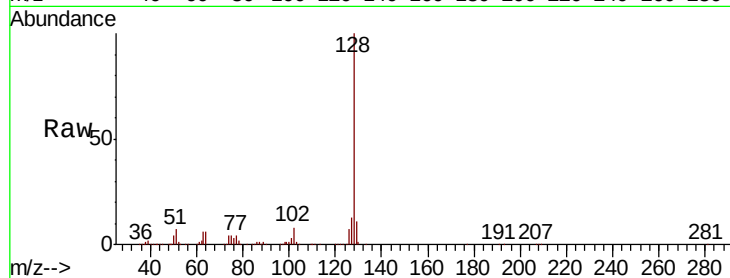
#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
ICVFN112718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/28/2018 9:33:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.529 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052473.D
Acq: 27 Nov 2018 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	31.1	15.2	45.5

