

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056331.D
 Acq On : 17 Jun 2019 10:48
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 18 04:11:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	535913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	491250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	566097	117.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.08%	
35) Dibromofluoromethane	7.59	113	502081	114.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.16%	
50) Toluene-d8	10.09	98	1931109	114.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.80%	
62) 4-Bromofluorobenzene	12.40	95	688238	119.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	238.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	477649	117.827	ug/l	99
3) Chloromethane	2.06	50	609688	124.004	ug/l	100
4) Vinyl Chloride	2.18	62	603447	123.059	ug/l	100
5) Bromomethane	2.52	94	297300m	98.586	ug/l	
6) Chloroethane	2.66	64	341106m	120.190	ug/l	
7) Trichlorofluoromethane	2.99	101	749965	119.667	ug/l	100
8) Diethyl Ether	3.40	74	301198	118.724	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	477479	123.840	ug/l	99
10) Methyl Iodide	3.93	142	674349	112.857	ug/l	99
11) Tert butyl alcohol	4.82	59	471697	573.315	ug/l	99
12) 1,1-Dichloroethene	3.72	96	483042	125.592	ug/l	97
13) Acrolein	3.60	56	134161	581.191	ug/l	98
14) Allyl chloride	4.31	41	831394	130.836	ug/l	99
15) Acrylonitrile	4.99	53	1359371	664.690	ug/l	99
16) Acetone	3.82	43	1517730	635.357	ug/l	100
17) Carbon Disulfide	4.03	76	1347738	136.763	ug/l	100
18) Methyl Acetate	4.32	43	558790	116.737	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1516285	124.012	ug/l	99
20) Methylene Chloride	4.54	84	549686	121.499	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	511760	123.386	ug/l	98
22) Diisopropyl ether	5.95	45	1606538	124.965	ug/l	97
23) Vinyl Acetate	5.89	43	6966635	670.706	ug/l	100
24) 1,1-Dichloroethane	5.84	63	937199	126.367	ug/l	100
25) 2-Butanone	6.84	43	2012928	671.338	ug/l	100
26) 2,2-Dichloropropane	6.82	77	674354	121.497	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	591981	122.155	ug/l	99
28) Bromochloromethane	7.19	49	431409	120.010	ug/l	100
29) Tetrahydrofuran	7.22	42	1208067	669.497	ug/l	99
30) Chloroform	7.37	83	915251	123.621	ug/l	99
31) Cyclohexane	7.65	56	872369	115.363	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	774783	125.444	ug/l	99
36) 1,1-Dichloropropene	7.79	75	715652	120.566	ug/l	99
37) Ethyl Acetate	6.93	43	726597	130.431	ug/l	99
38) Carbon Tetrachloride	7.77	117	683222	123.436	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	906171	123.277	ug/l	99
40) Benzene	8.04	78	2156948	119.793	ug/l	99
41) Methacrylonitrile	7.17	41	372094	142.279	ug/l	94
42) 1,2-Dichloroethane	8.12	62	699498	119.485	ug/l	100
43) Isopropyl Acetate	8.17	43	1156113	131.521	ug/l	98
44) Trichloroethene	8.83	130	593870	117.977	ug/l	100
45) 1,2-Dichloropropane	9.12	63	578458	122.943	ug/l	98
46) Dibromomethane	9.21	93	374574	121.578	ug/l	98
47) Bromodichloromethane	9.40	83	733127	128.097	ug/l	99
48) Methyl methacrylate	9.20	41	584380	133.183	ug/l	98
49) 1,4-Dioxane	9.20	88	236156	2572.941	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3548252	633.070	ug/l	99
52) Toluene	10.16	92	1336796	119.492	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	811793	137.616	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	905650	133.648	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	538088	121.051	ug/l	99
56) Ethyl methacrylate	10.43	69	866006	130.334	ug/l	98
57) 1,3-Dichloropropane	10.71	76	911242	123.664	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1581522	705.694	ug/l	99
59) 2-Hexanone	10.75	43	2676954	652.521	ug/l	99
60) Dibromochloromethane	10.90	129	601340	132.784	ug/l	100
61) 1,2-Dibromoethane	11.00	107	580664	125.703	ug/l	100
64) Tetrachloroethene	10.63	164	553239	107.023	ug/l	99
65) Chlorobenzene	11.43	112	1474796	119.297	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	551217	126.530	ug/l	99
67) Ethyl Benzene	11.51	91	2603558	120.622	ug/l	99
68) m/p-Xylenes	11.62	106	1979873	240.795	ug/l	100
69) o-Xylene	11.95	106	954662	118.422	ug/l	100
70) Styrene	11.96	104	1664746	127.054	ug/l	100
71) Bromoform	12.13	173	465217	137.978	ug/l #	99
73) Isopropylbenzene	12.25	105	2507222	102.447	ug/l	99
74) N-amyl acetate	12.07	43	979744	115.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	787069	108.456	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	642326m	110.409	ug/l	
77) Bromobenzene	12.53	156	678192	105.016	ug/l	99
78) n-propylbenzene	12.59	91	2877389	110.062	ug/l	100
79) 2-Chlorotoluene	12.67	91	1682155	103.999	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2148463	105.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	241217	123.119	ug/l	97
82) 4-Chlorotoluene	12.77	91	1727184	112.652	ug/l	100
83) tert-Butylbenzene	12.99	119	1827277	102.368	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2135463	110.293	ug/l	100
85) sec-Butylbenzene	13.17	105	2445347	107.177	ug/l	100
86) p-Isopropyltoluene	13.29	119	2259026	111.328	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1166251	115.651	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1153551	118.677	ug/l	100
89) n-Butylbenzene	13.61	91	1918233	125.510	ug/l	99
90) Hexachloroethane	13.87	117	394495	119.051	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1140425	113.189	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	151532	137.844	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jun 18 03:14:11 2019
Response via : Initial Calibration

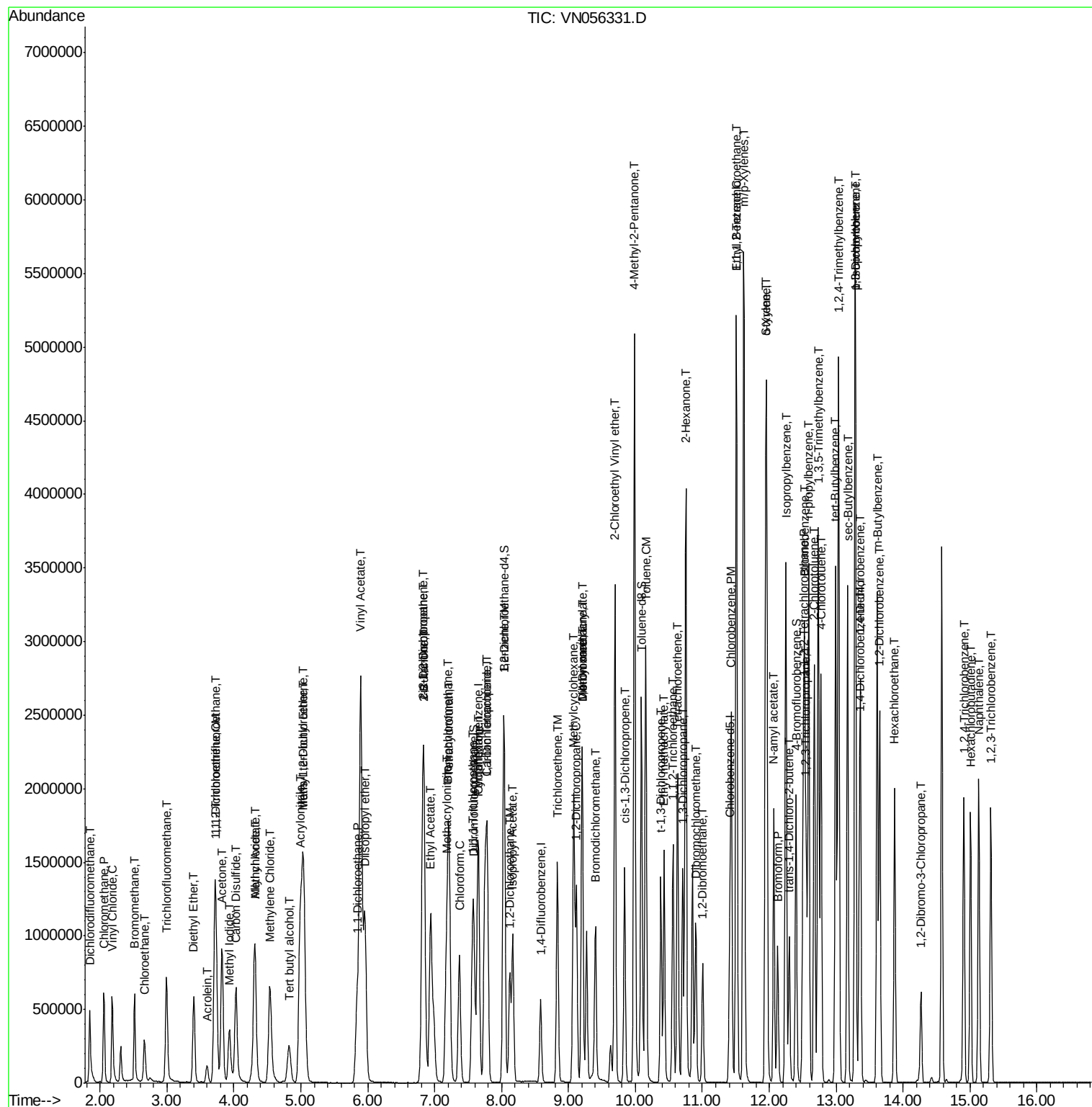
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	698764	153.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	401921	105.282	ug/l	100
95) Naphthalene	15.13	128	1823281	151.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	707085	143.574	ug/l	99

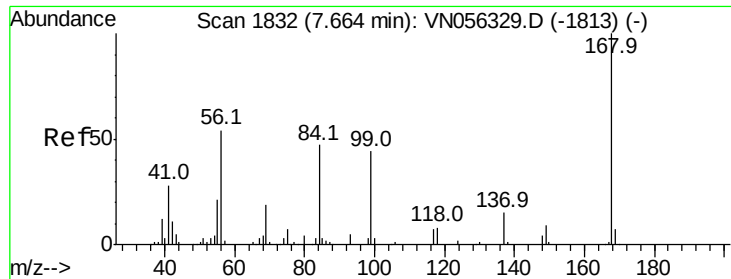
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 18 03:14:11 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

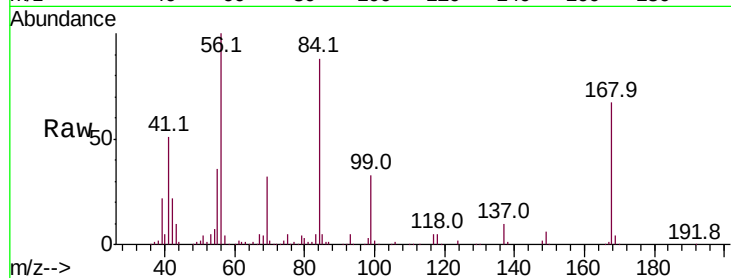
VSTDIC150

Tot Ion:168 Resp: 352843

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

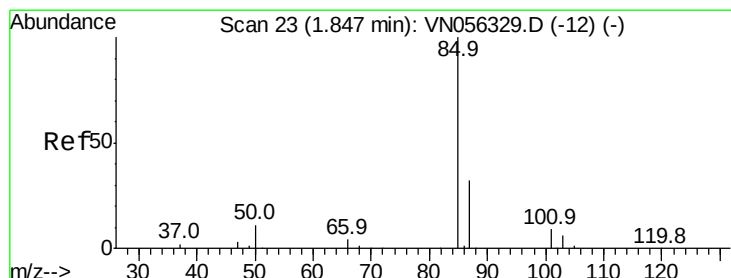
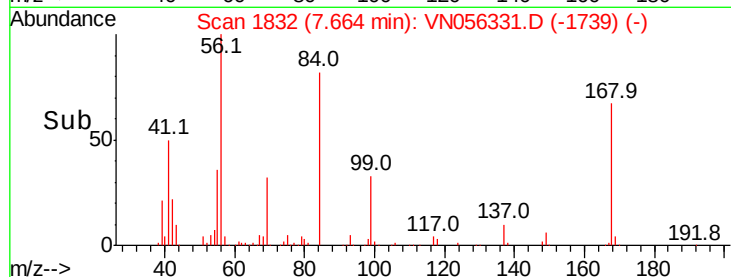
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 117.827 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056331.D

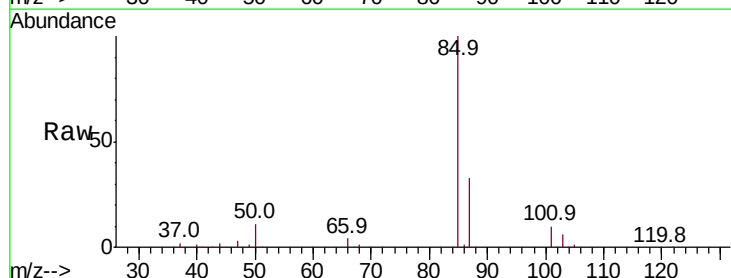
Acq: 17 Jun 2019 10:48

Tgt Ion: 85 Resp: 477649

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

100000

50000

0

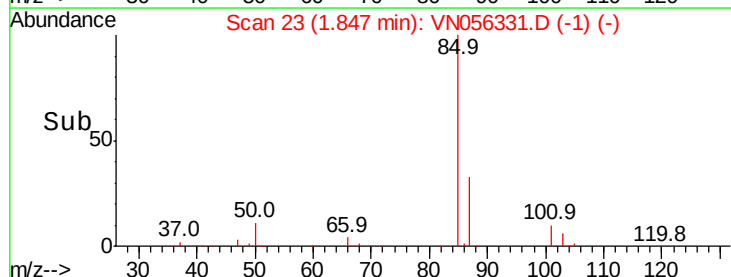
1.85

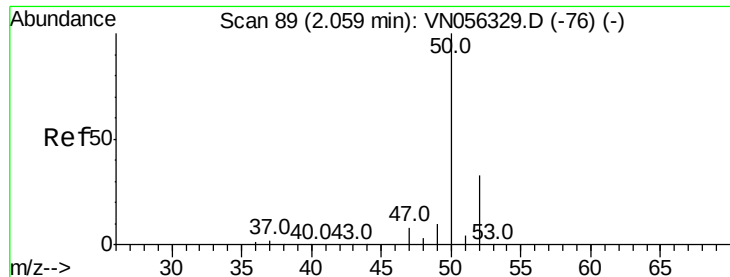
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 124.004 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

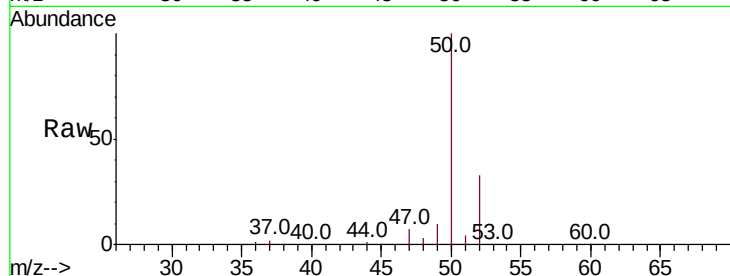
VSTDIC150

Tot Ion: 50 Resp: 609688

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

400000

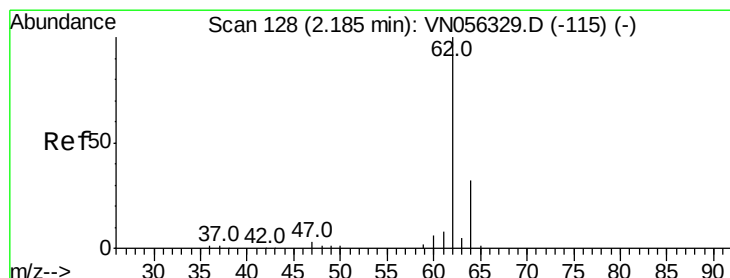
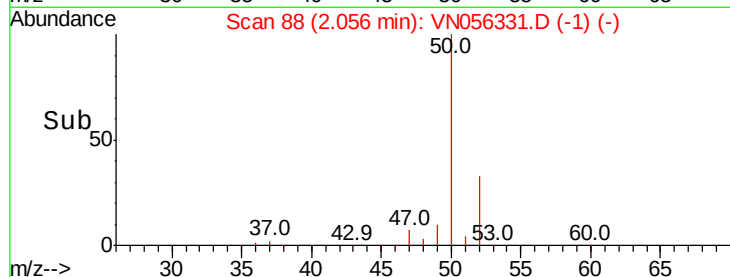
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 123.059 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056331.D

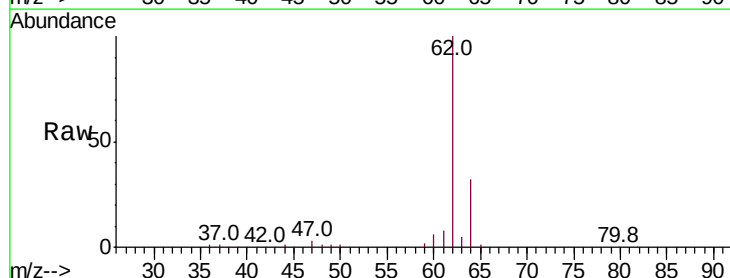
Acq: 17 Jun 2019 10:48

Tgt Ion: 62 Resp: 603447

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

400000

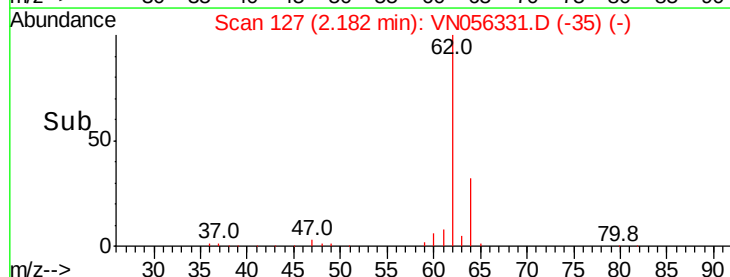
300000

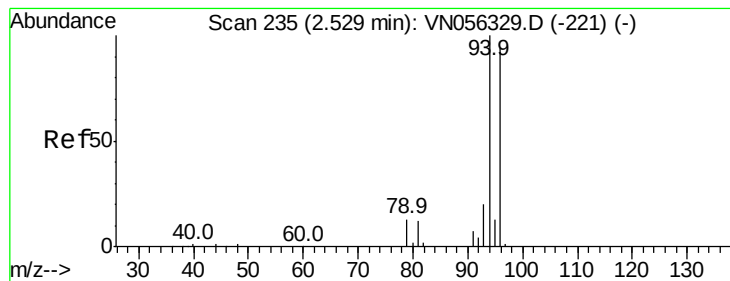
200000

100000

0

Time-->





#5

Bromomethane

Concen: 98.586 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

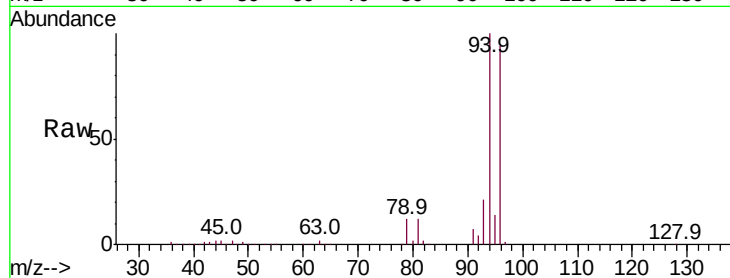
VSTDIC150

Tot Ion: 94 Resp: 297300

Ion Ratio Lower Upper

94 100

96 94.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN056331.D (-142) (-)

Ion 95.90 (95.60 to 96.60): VN056331.D (-142) (-)

2.52

200000

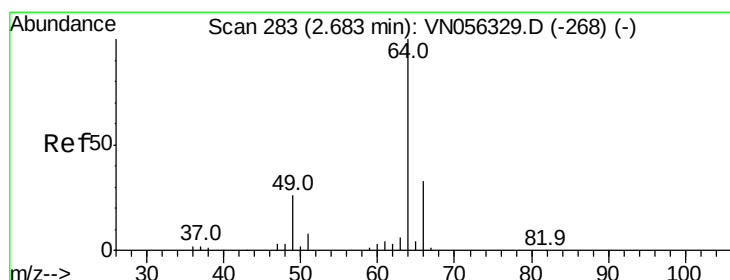
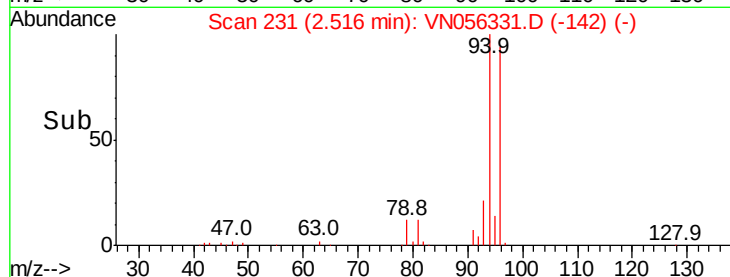
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 120.190 ug/l m

RT: 2.66 min Scan# 277

Delta R.T. -0.02 min

Lab File: VN056331.D

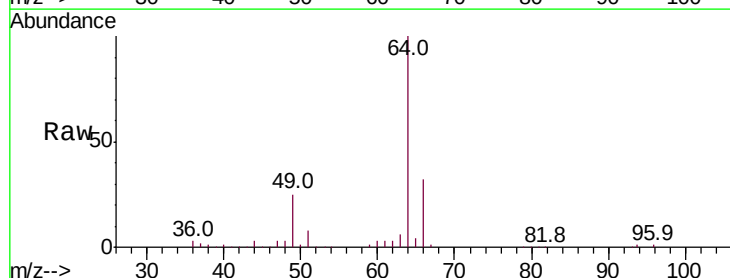
Acq: 17 Jun 2019 10:48

Tgt Ion: 64 Resp: 341106

Ion Ratio Lower Upper

64 100

66 32.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN056331.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN056331.D (-190) (-)

2.66

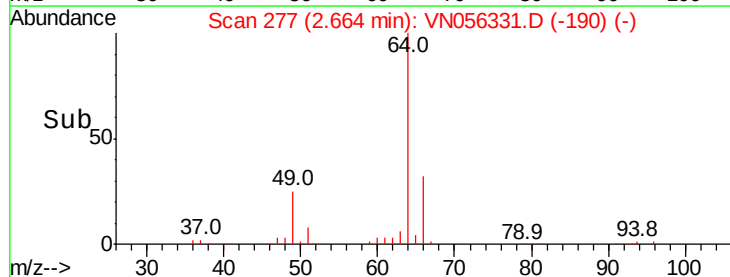
150000

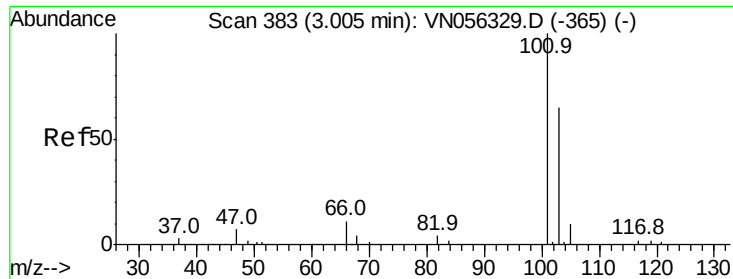
100000

50000

0

Time-->



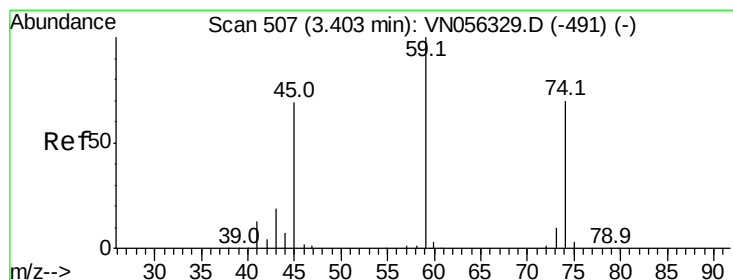
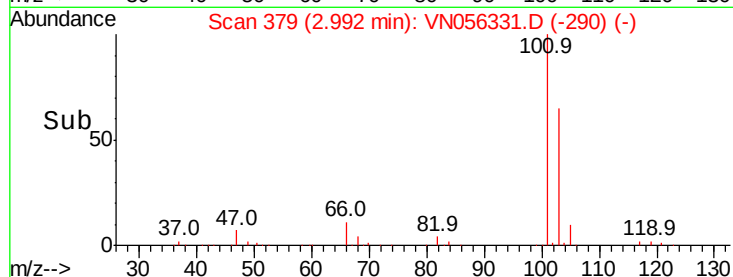
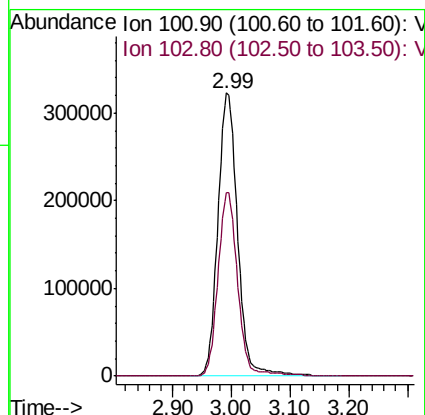
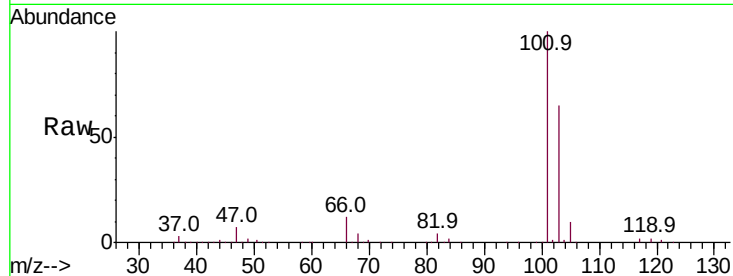


#7

Trichlorofluoromethane
 Concen: 119.667 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN056331.D
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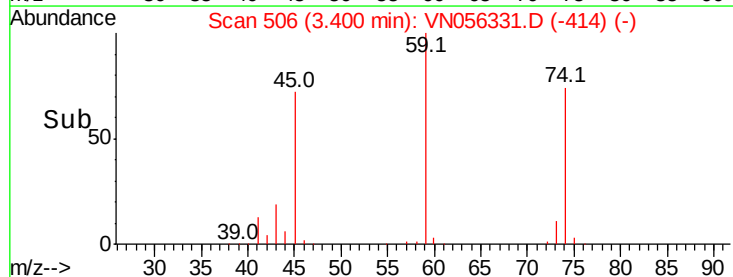
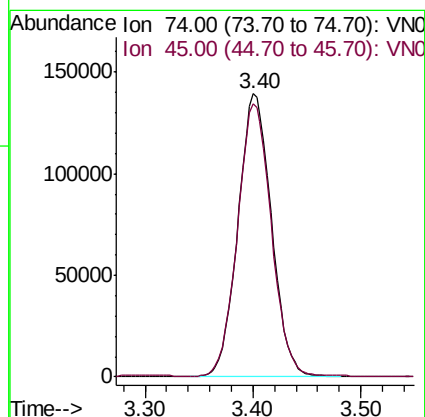
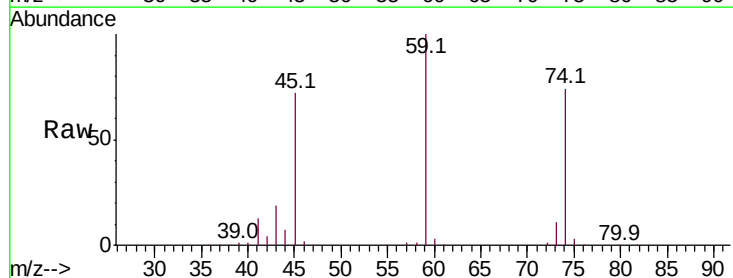
Tot Ion:101 Resp: 749965
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.1 78.1

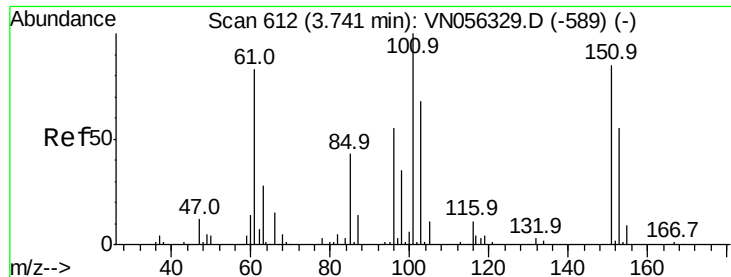


#8

Diethyl Ether
 Concen: 118.724 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Tgt Ion: 74 Resp: 301198
 Ion Ratio Lower Upper
 74 100
 45 97.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 123.840 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

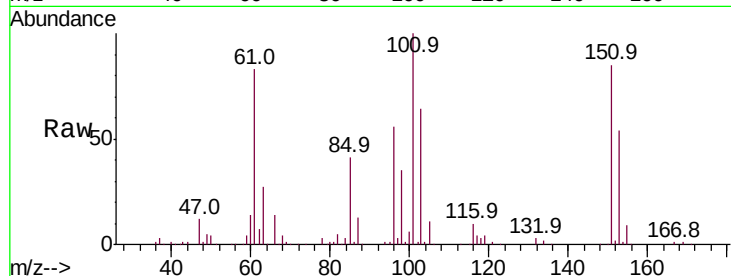
Tot Ion:101 Resp: 477479

Ion Ratio Lower Upper

101 100

85 41.1 33.8 50.8

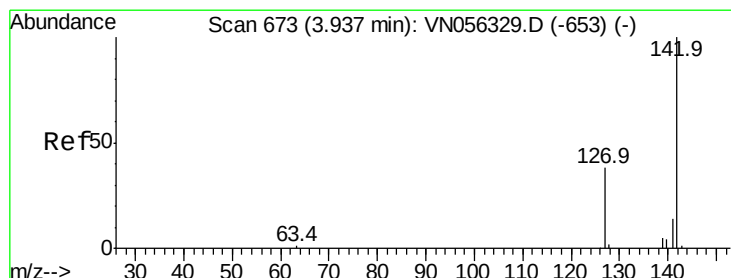
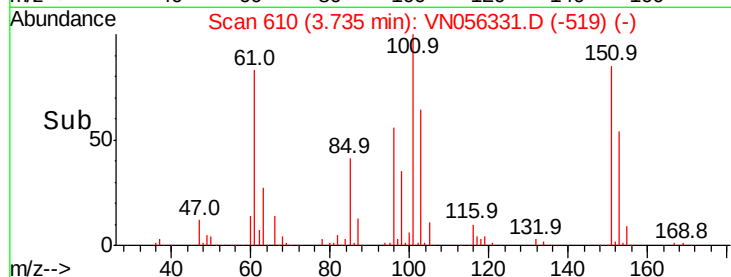
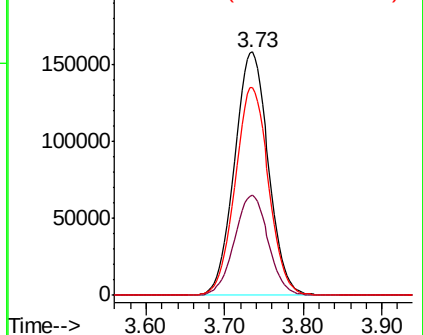
151 84.4 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 112.857 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

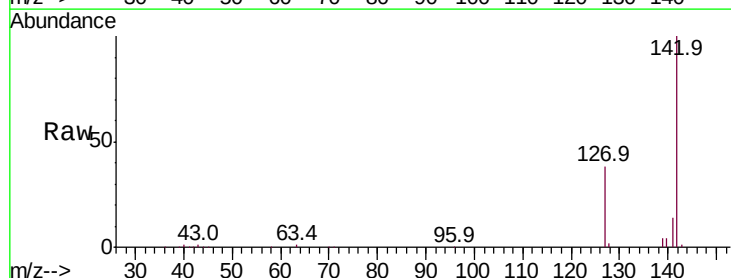
Tgt Ion:142 Resp: 674349

Ion Ratio Lower Upper

142 100

127 38.2 30.8 46.2

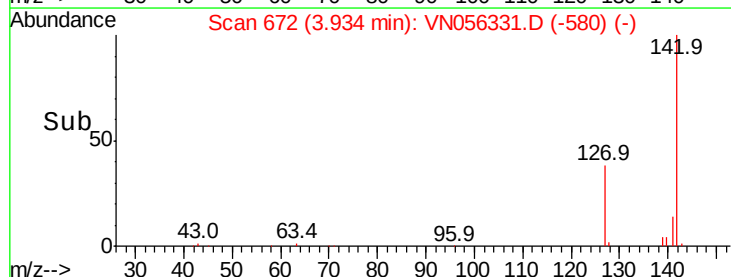
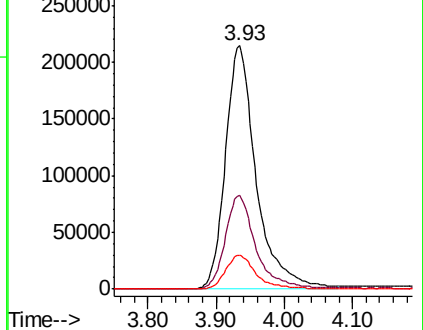
141 13.9 11.4 17.2

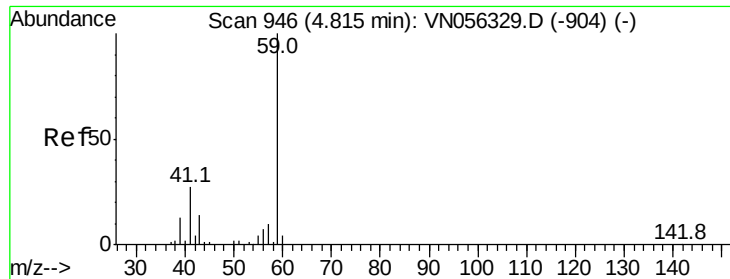


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

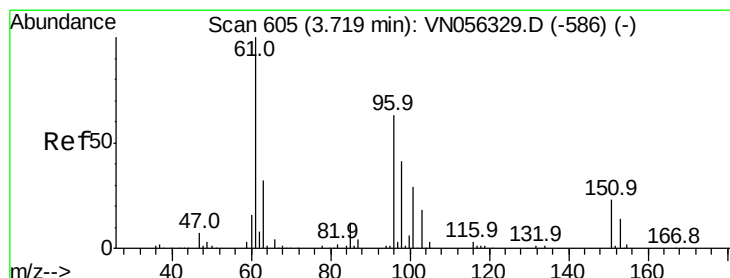
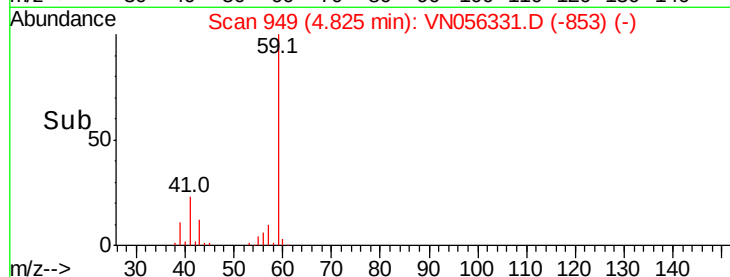
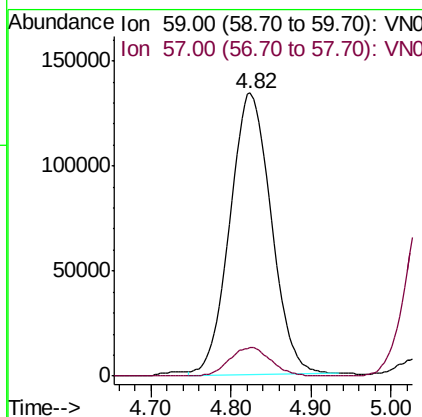
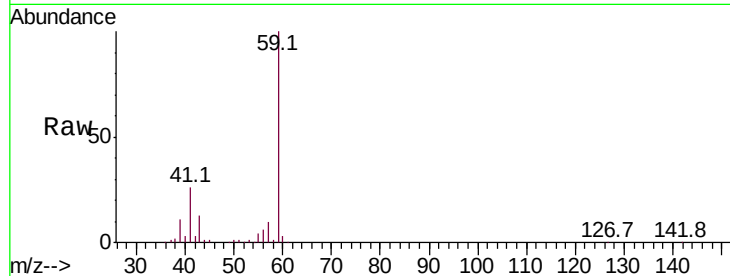




#11
Tert butyl alcohol
Concen: 573.315 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

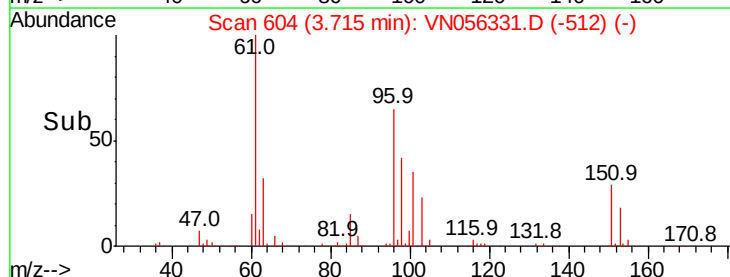
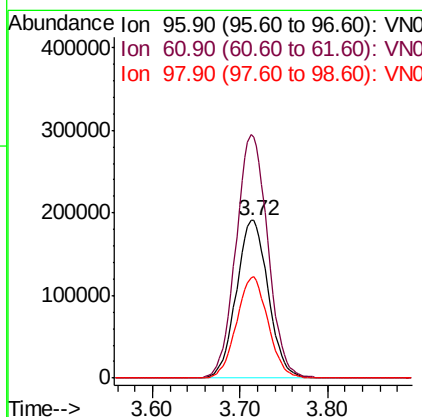
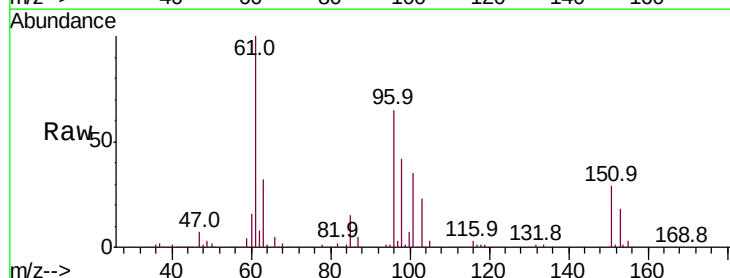
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

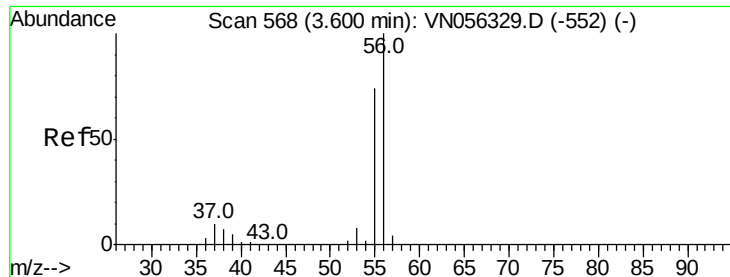
Tot Ion: 59 Resp: 471697
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8



#12
1,1-Dichloroethene
Concen: 125.592 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 96 Resp: 483042
Ion Ratio Lower Upper
96 100
61 153.5 127.4 191.2
98 64.4 51.7 77.5

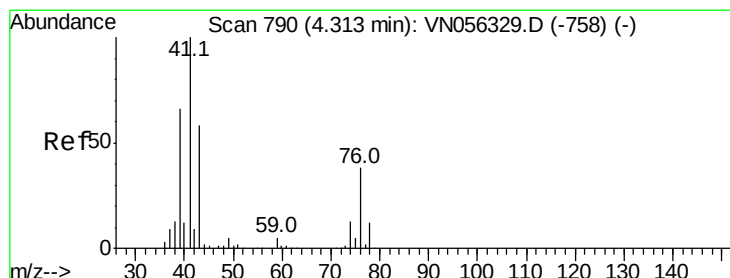
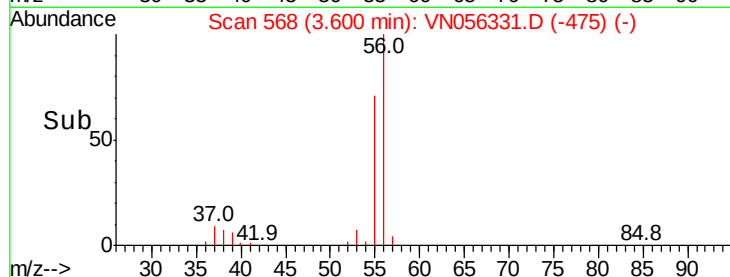
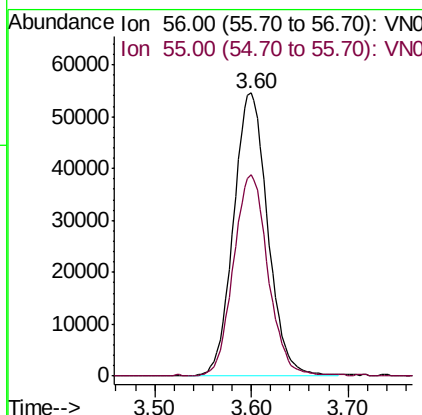
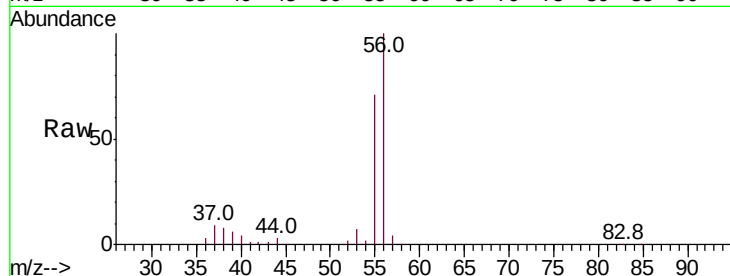




#13
Acrolein
Concen: 581.191 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

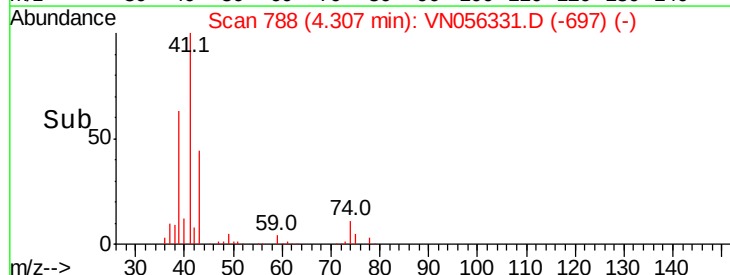
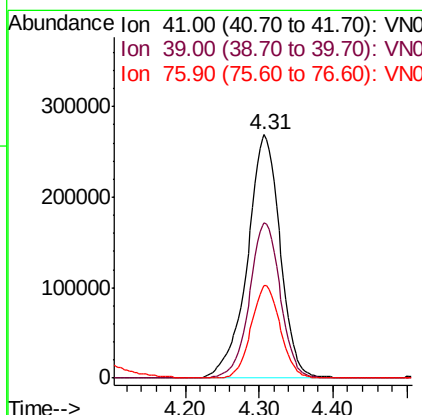
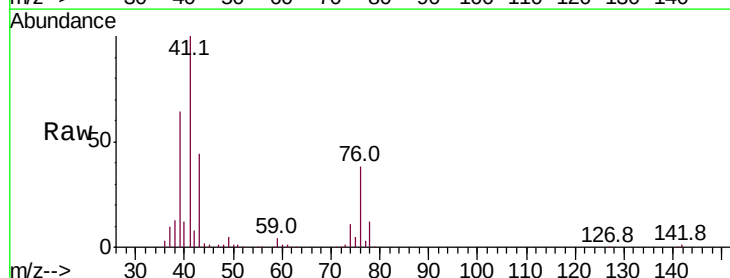
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

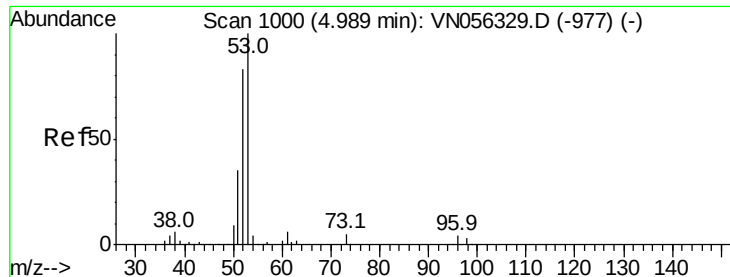
Tot Ion: 56 Resp: 134161
Ion Ratio Lower Upper
56 100
55 71.9 56.4 84.6



#14
Allyl chloride
Concen: 130.836 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 41 Resp: 831394
Ion Ratio Lower Upper
41 100
39 60.2 48.9 73.3
76 33.8 27.2 40.8





#15

Acrylonitrile

Concen: 664.690 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

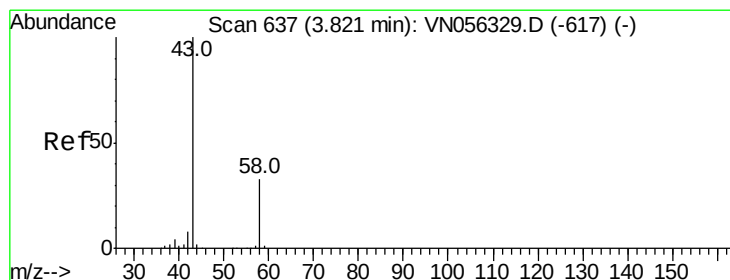
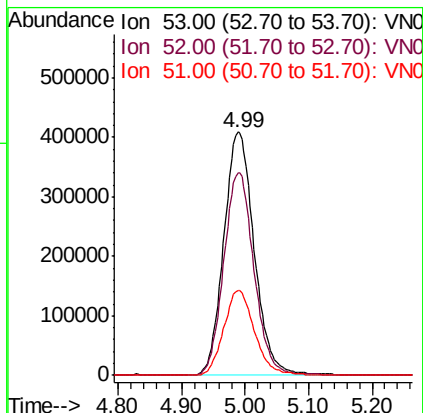
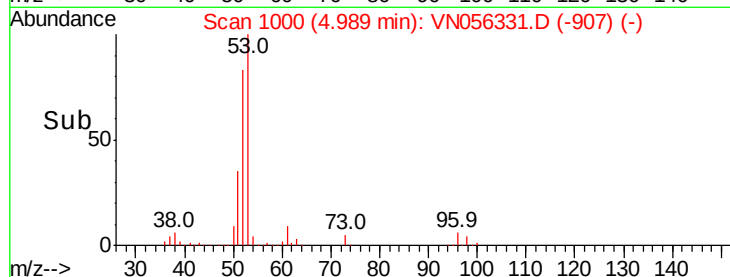
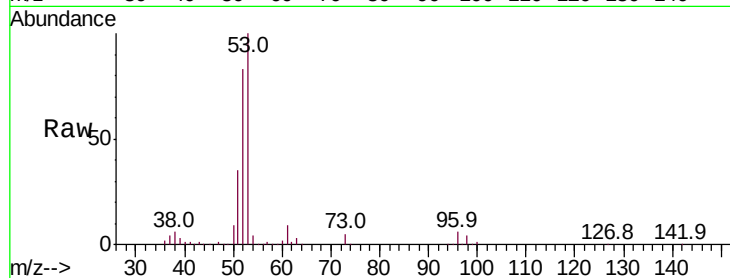
MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 1359371

Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.4	98.2
51	35.5	28.5	42.7



#16

Acetone

Concen: 635.357 ug/l

RT: 3.82 min Scan# 637

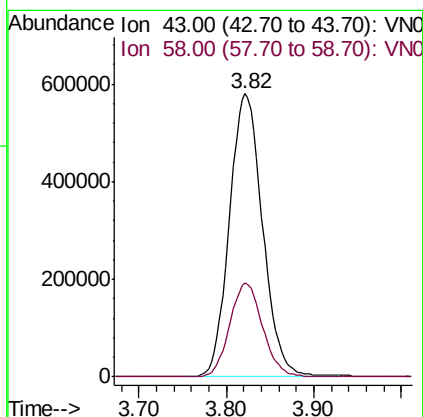
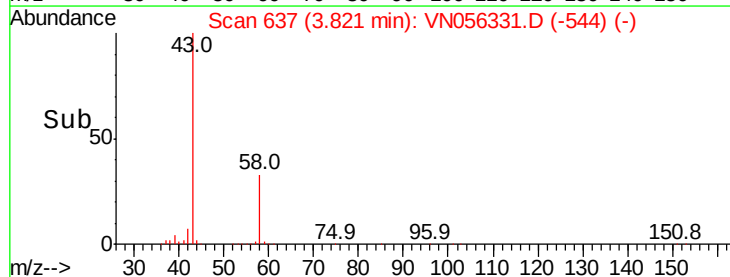
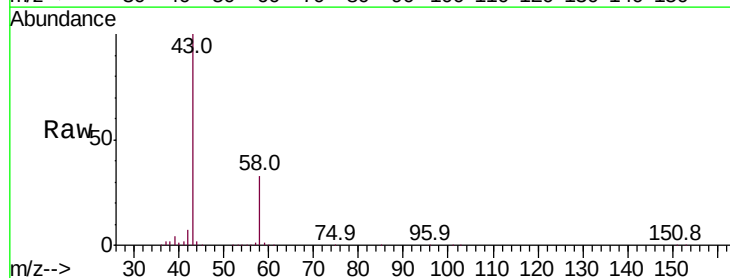
Delta R.T. -0.00 min

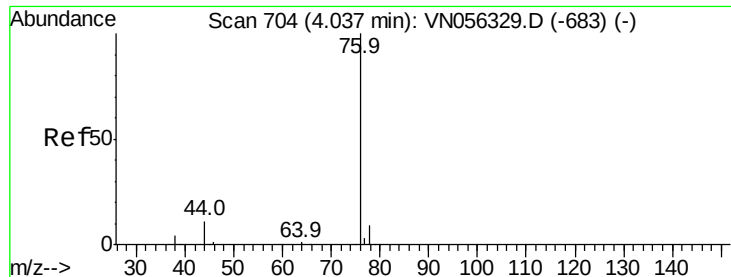
Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Tgt Ion: 43 Resp: 1517730

Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.5	39.7





#17

Carbon Disulfide

Concen: 136.763 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

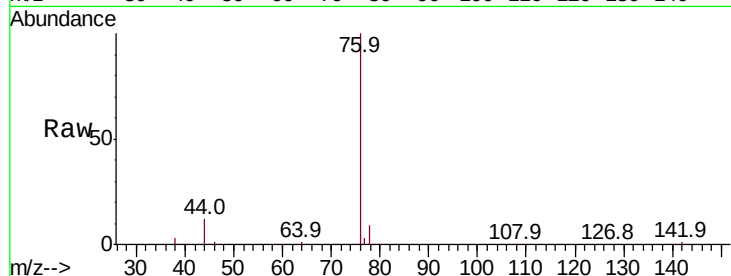
VSTDIC150

Tot Ion: 76 Resp: 1347738

Ion Ratio Lower Upper

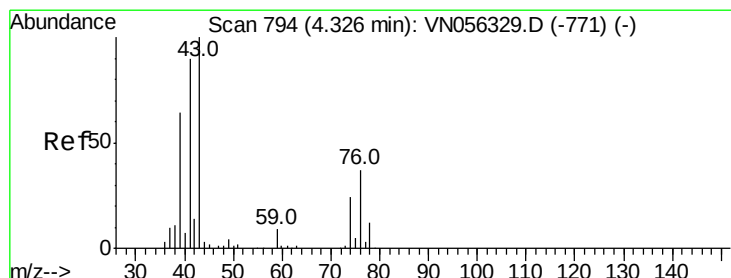
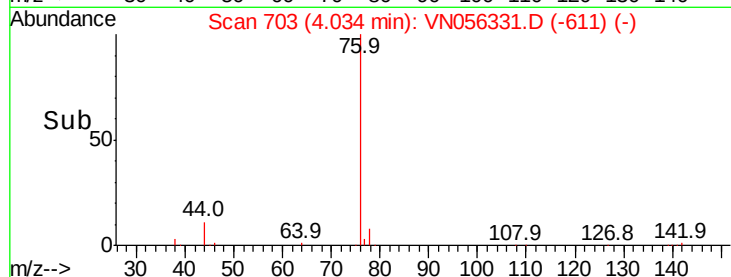
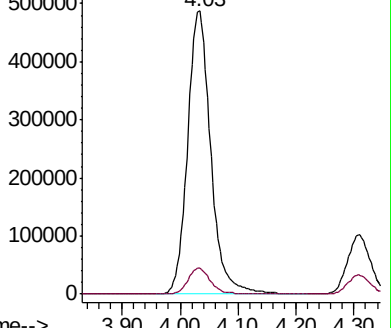
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 116.737 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056331.D

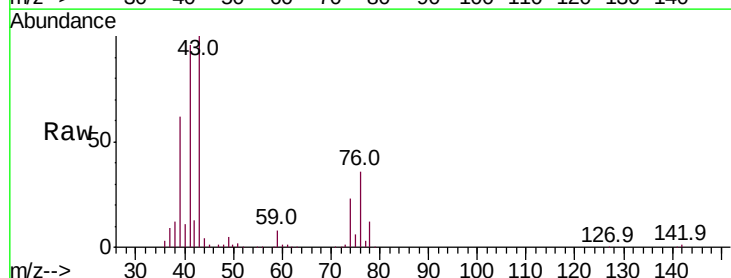
Acq: 17 Jun 2019 10:48

Tgt Ion: 43 Resp: 558790

Ion Ratio Lower Upper

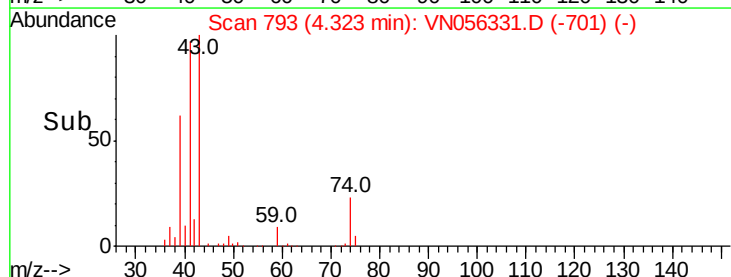
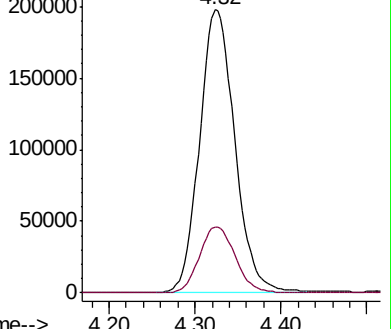
43 100

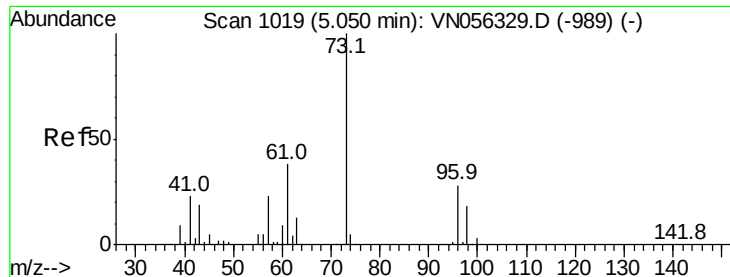
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

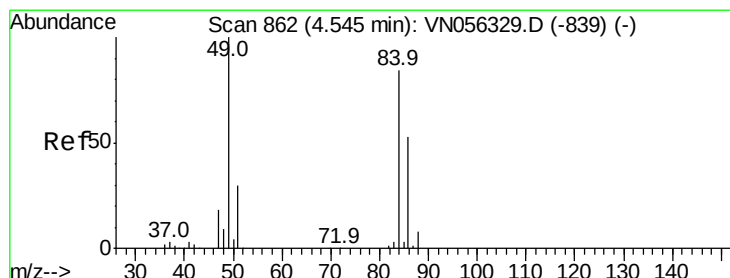
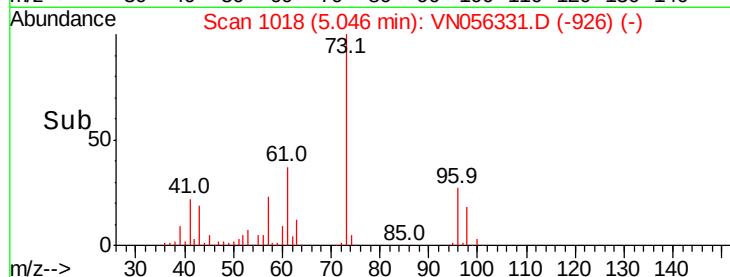
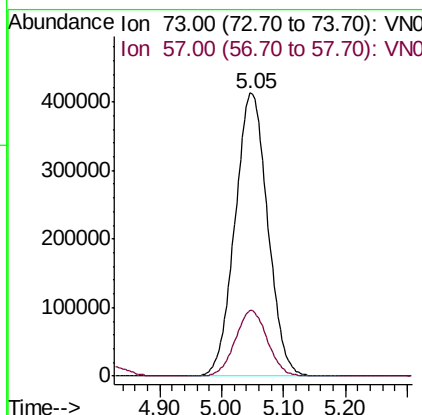
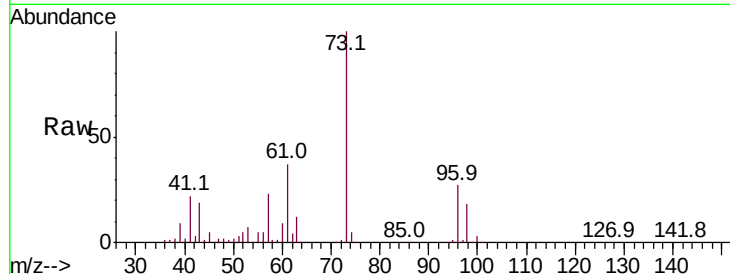




#19
Methyl tert-butyl Ether
Concen: 124.012 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

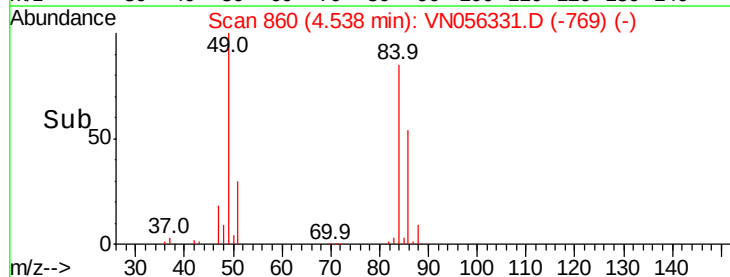
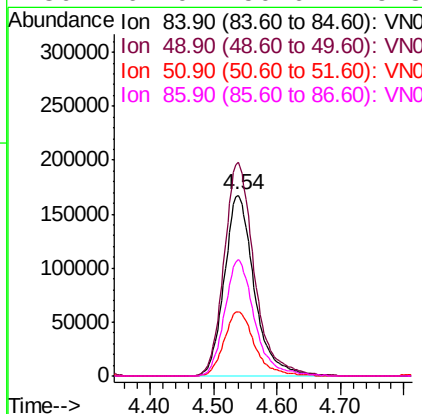
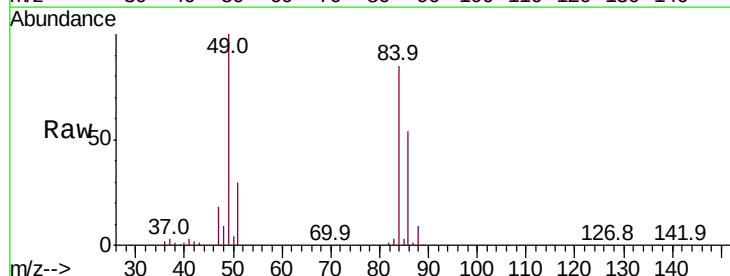
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

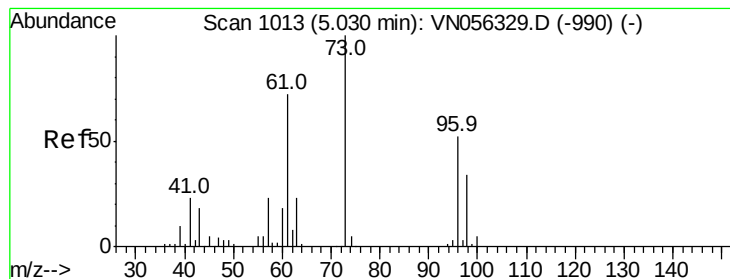
Tot Ion: 73 Resp: 1516285
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1



#20
Methylene Chloride
Concen: 121.499 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 84 Resp: 549686
Ion Ratio Lower Upper
84 100
49 117.9 95.0 142.6
51 35.5 28.2 42.4
86 64.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 123.386 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

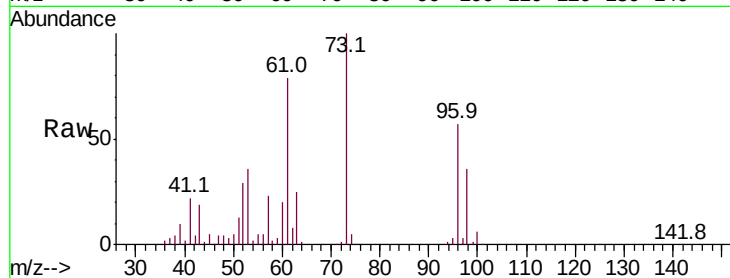
Tot Ion: 96 Resp: 511760

Ion Ratio Lower Upper

96 100

61 139.1 109.8 164.6

98 63.8 52.0 78.0

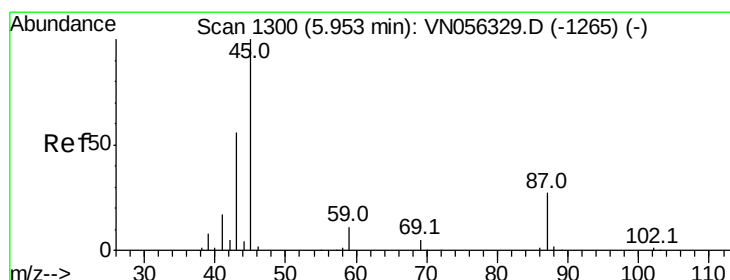
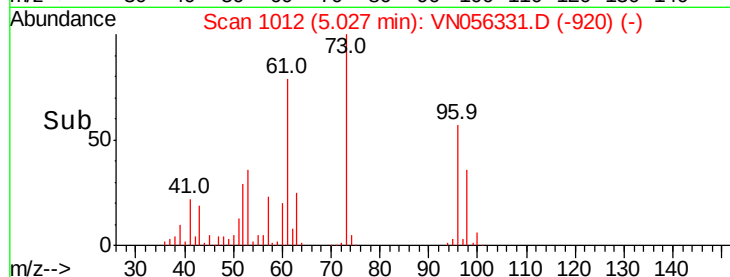
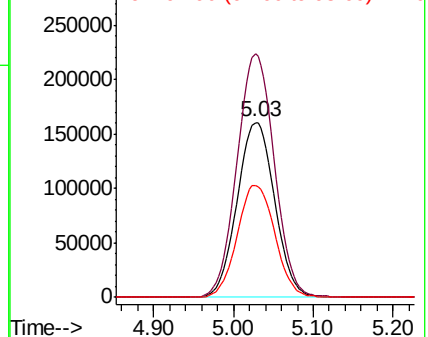


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 124.965 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Tgt Ion: 45 Resp: 1606538

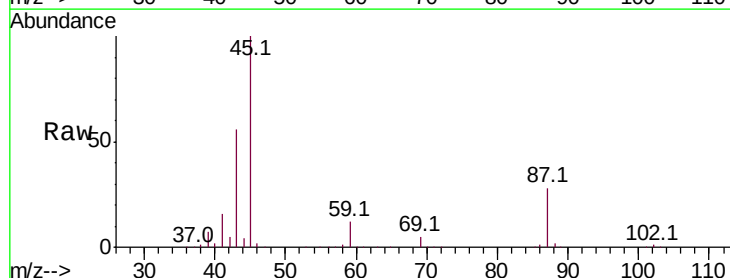
Ion Ratio Lower Upper

45 100

43 55.7 47.0 70.6

87 28.3 22.4 33.6

59 11.7 9.2 13.8



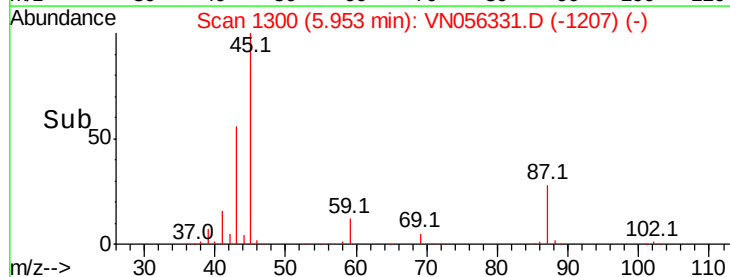
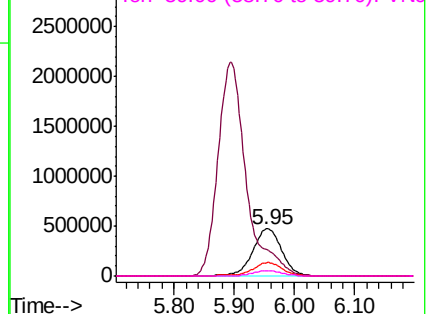
Abundance

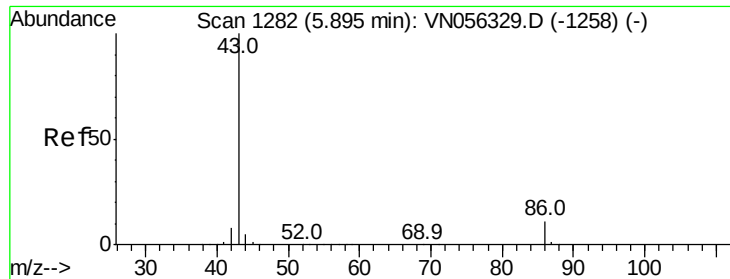
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 670.706 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

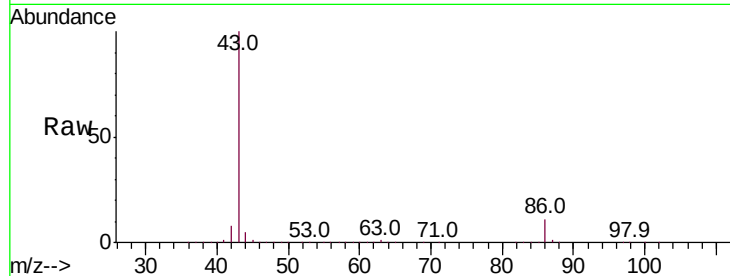
VSTDIC150

Tot Ion: 43 Resp: 6966635

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056331.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN056331.D (-1189) (-)

2500000

2000000

1500000

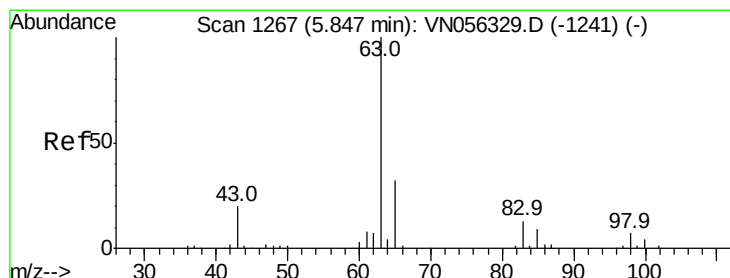
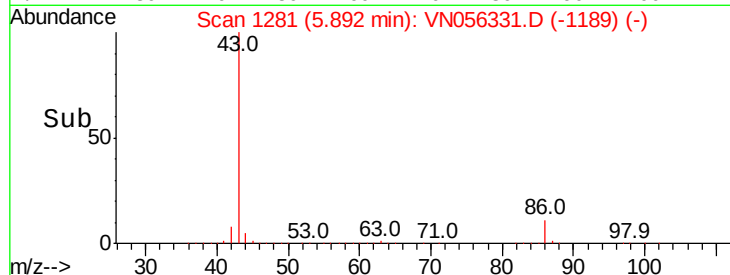
1000000

500000

0

5.80 5.89 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 126.367 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

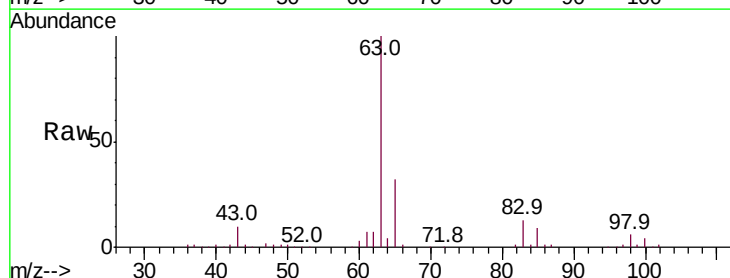
Tgt Ion: 63 Resp: 937199

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN056331.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN056331.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN056331.D (-1174) (-)

400000

300000

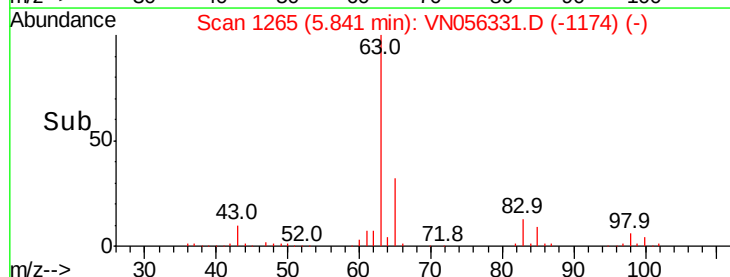
200000

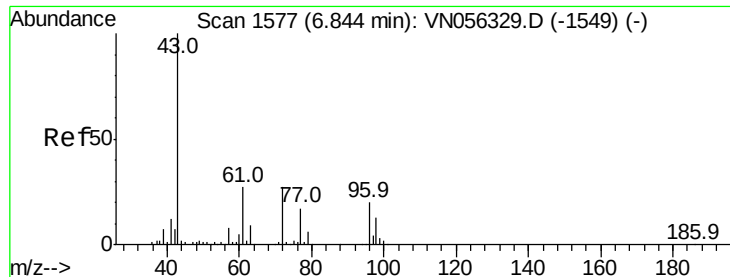
100000

0

5.70 5.80 5.84 5.90 6.00

Time-->





#25

2-Butanone

Concen: 671.338 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

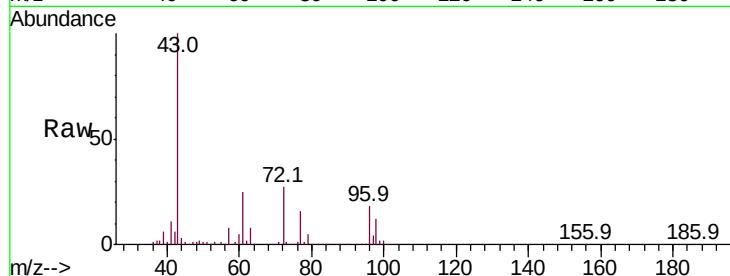
VSTDIC150

Tot Ion: 43 Resp: 2012928

Ion Ratio Lower Upper

43 100

72 26.6 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

800000

600000

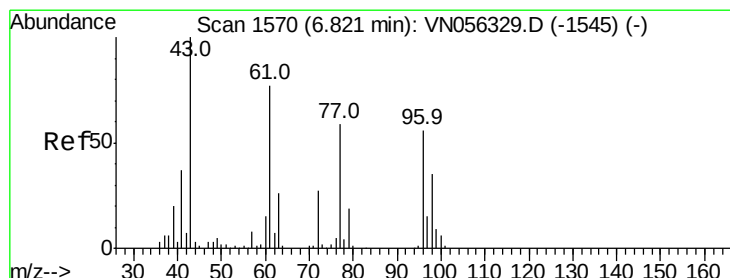
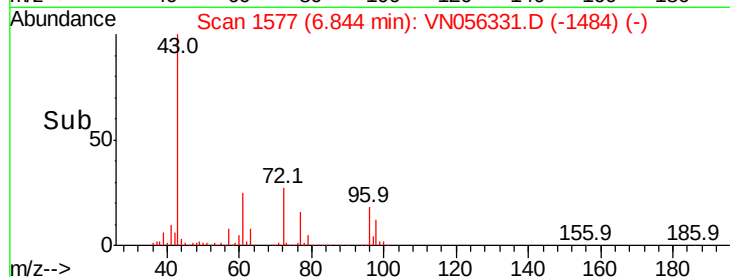
400000

200000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 121.497 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056331.D

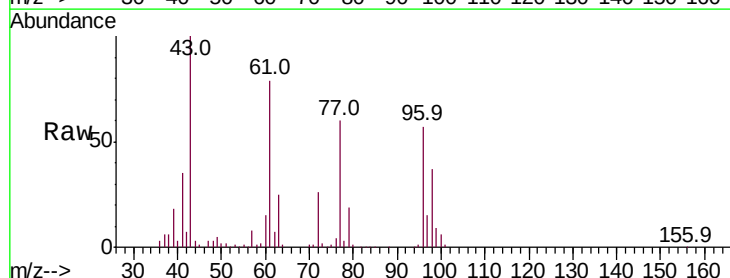
Acq: 17 Jun 2019 10:48

Tgt Ion: 77 Resp: 674354

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

250000

200000

150000

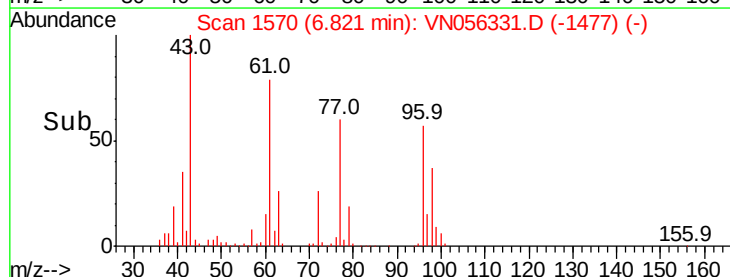
100000

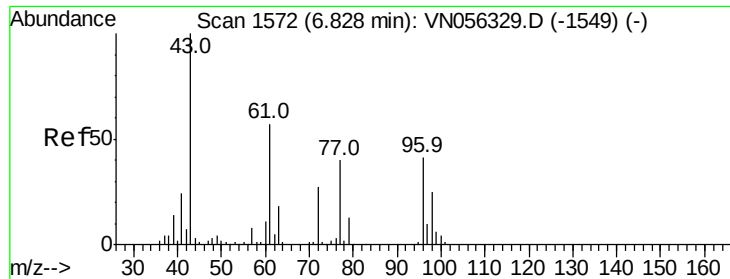
50000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 122.155 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

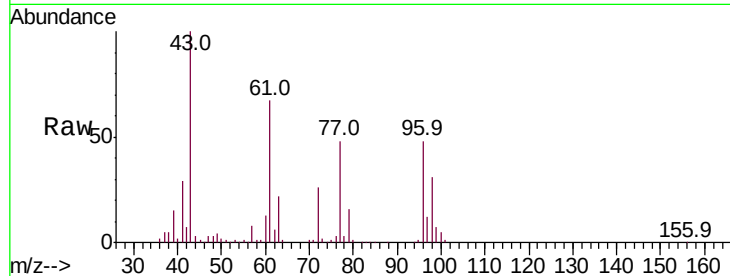
Tot Ion: 96 Resp: 591981

Ion Ratio Lower Upper

96 100

61 140.2 0.0 278.6

98 64.9 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN056329.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN056329.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN056329.D (-1549) (-)

400000

300000

200000

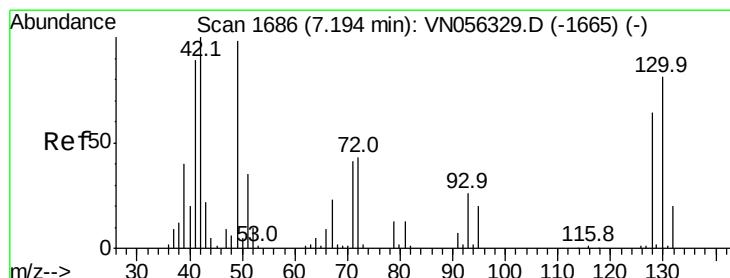
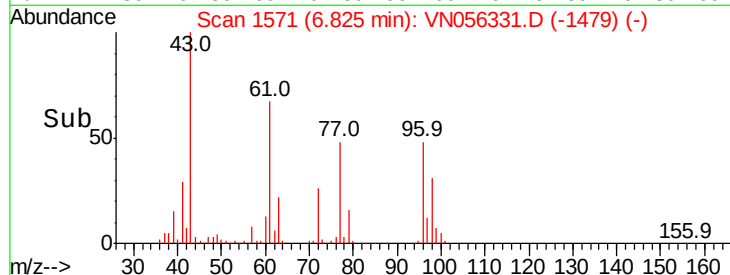
100000

0

6.70 6.80 6.90

6.82

Time-->



#28

Bromochloromethane

Concen: 120.010 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

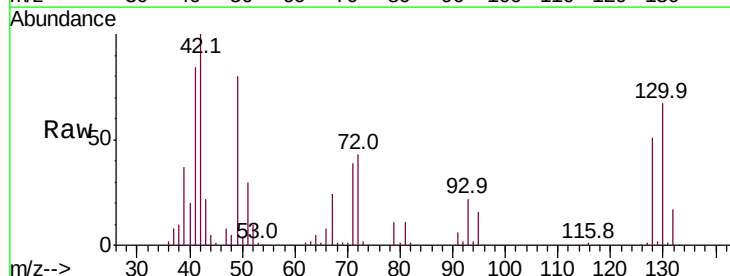
Tgt Ion: 49 Resp: 431409

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 83.1 66.4 99.6



Abundance Ion 48.90 (48.60 to 49.60): VN056329.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056329.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056329.D (-1665) (-)

200000

150000

100000

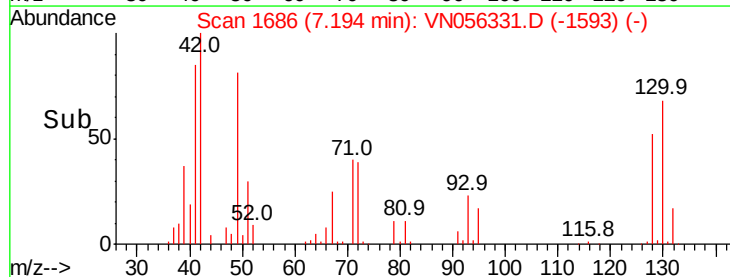
50000

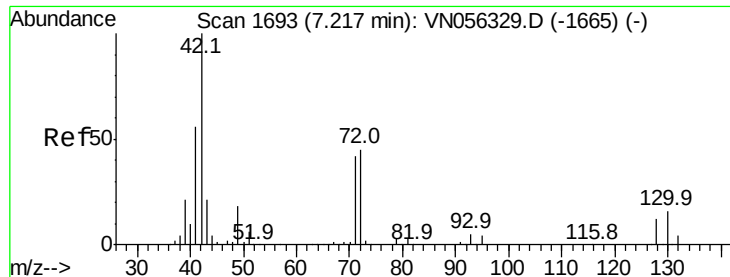
0

7.10 7.20 7.30

7.19

Time-->

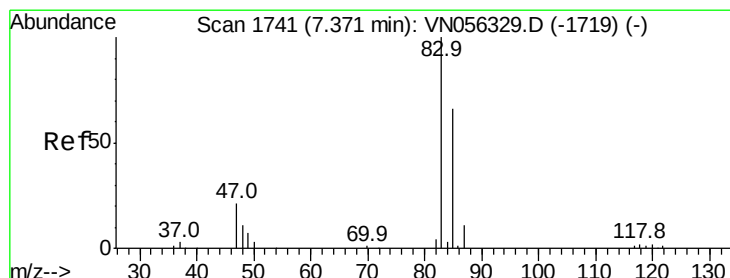
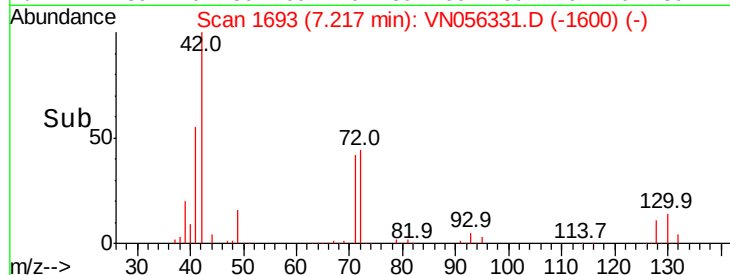
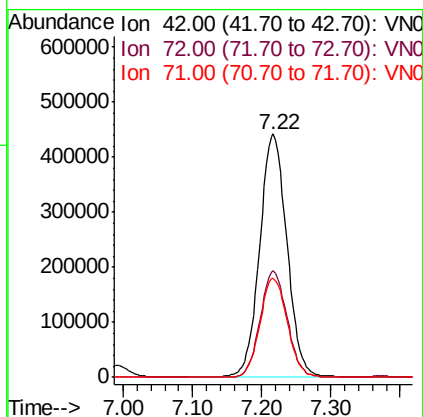
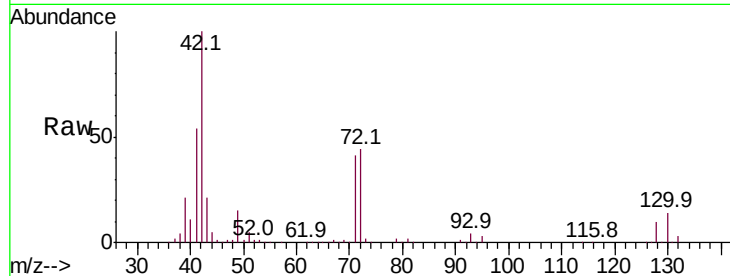




#29
Tetrahydrofuran
Concen: 669.497 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

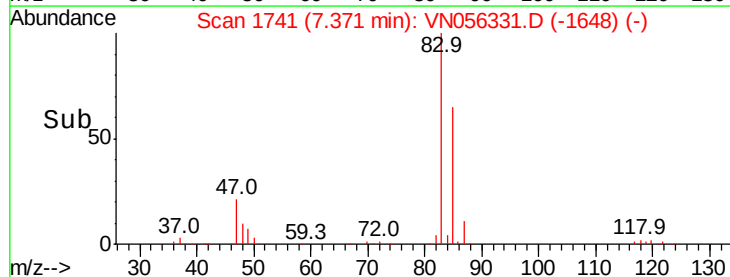
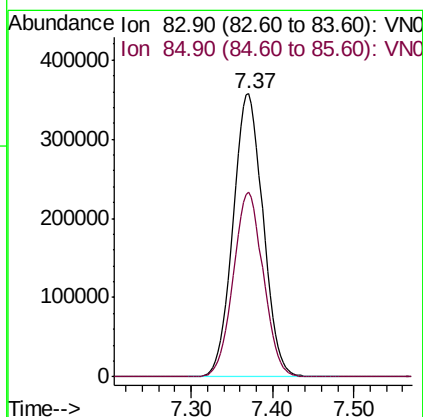
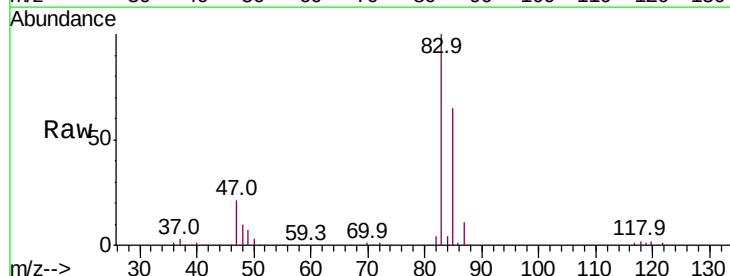
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

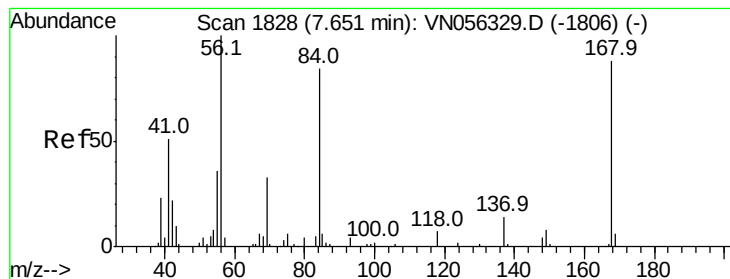
Tot Ion: 42 Resp: 1208067
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 40.8 32.7 49.1



#30
Chloroform
Concen: 123.621 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 83 Resp: 915251
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8





#31

Cyclohexane

Concen: 115.363 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

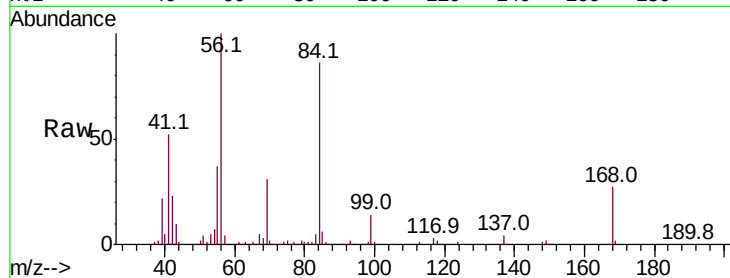
Tot Ion: 56 Resp: 872369

Ion Ratio Lower Upper

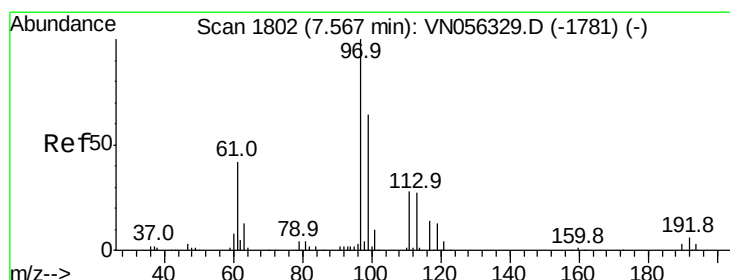
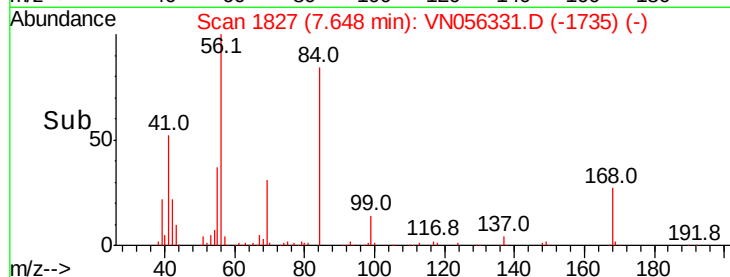
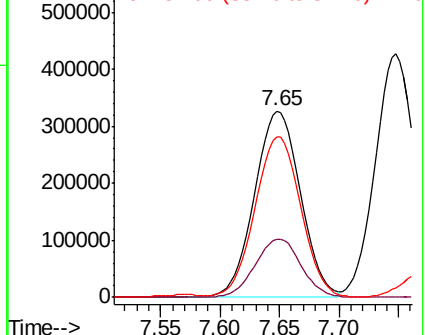
56 100

69 31.0 26.0 39.0

84 84.9 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 125.444 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

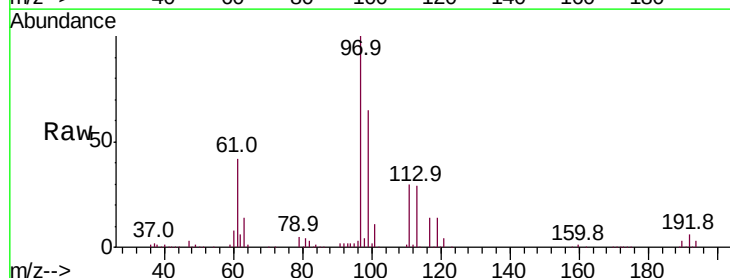
Tgt Ion: 97 Resp: 774783

Ion Ratio Lower Upper

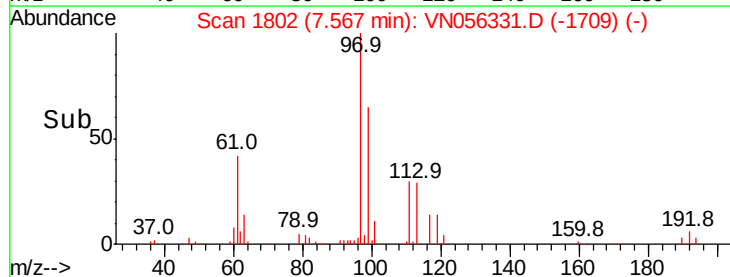
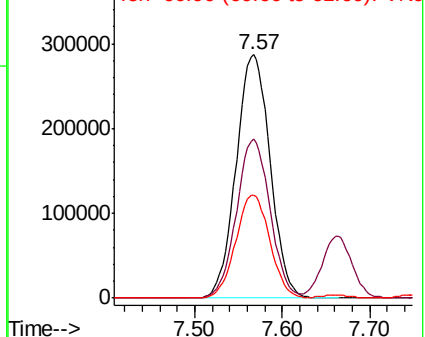
97 100

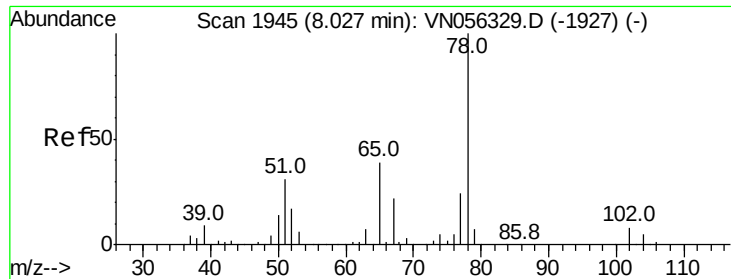
99 64.7 51.4 77.0

61 42.4 34.4 51.6



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

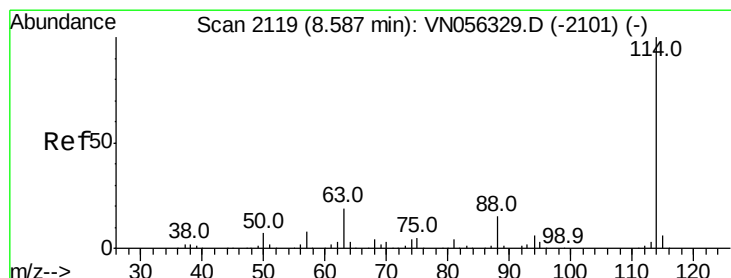
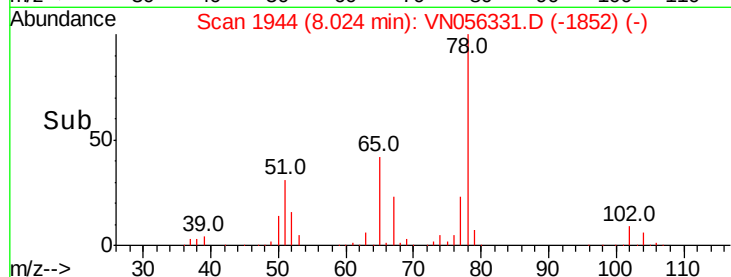
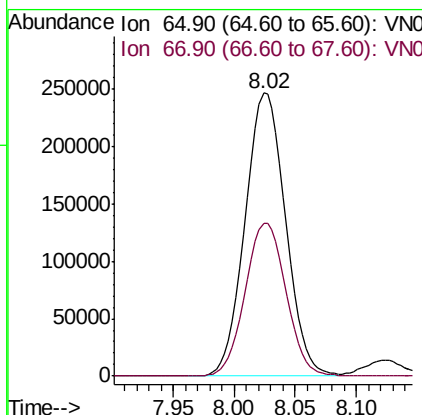
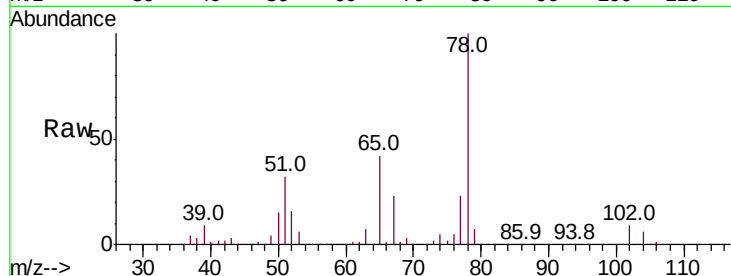




#33
 1,2-Dichloroethane-d4
 Concen: 117.542 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

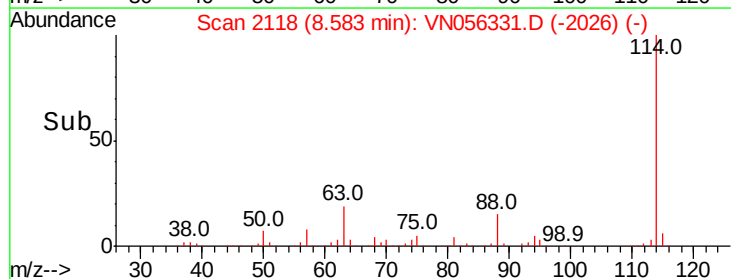
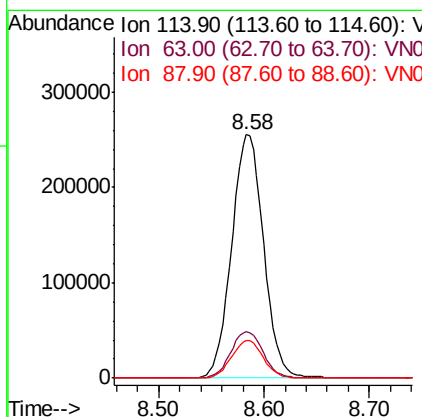
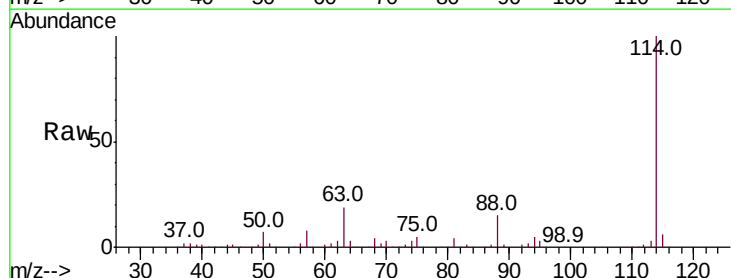
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

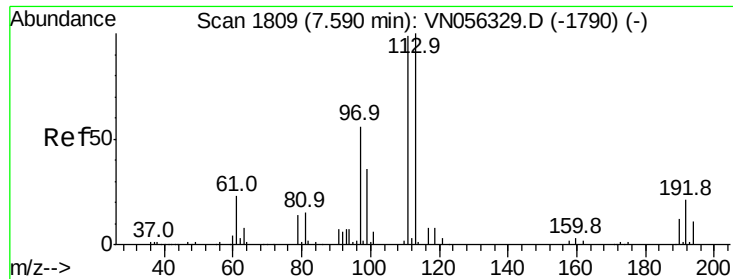
Tot Ion: 65 Resp: 566097
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Tgt Ion: 114 Resp: 535913
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 15.4 0.0 30.6

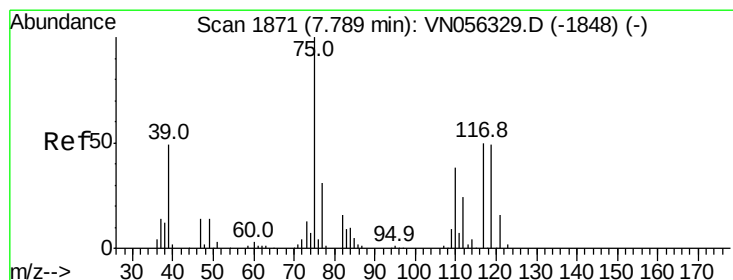
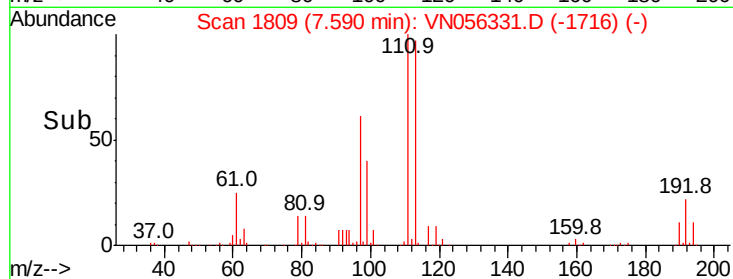
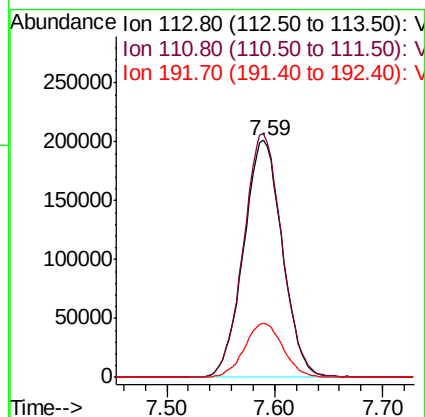
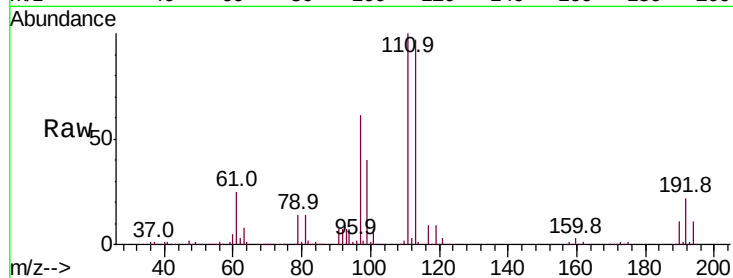




#35
 Dibromofluoromethane
 Concen: 114.081 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

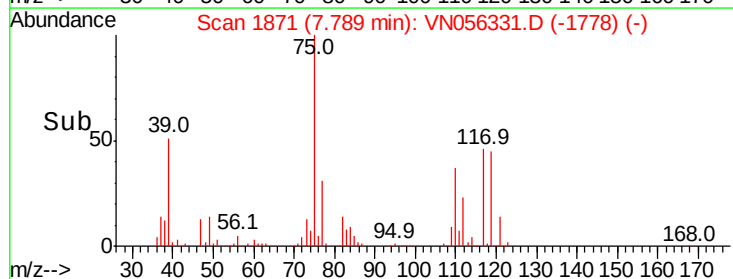
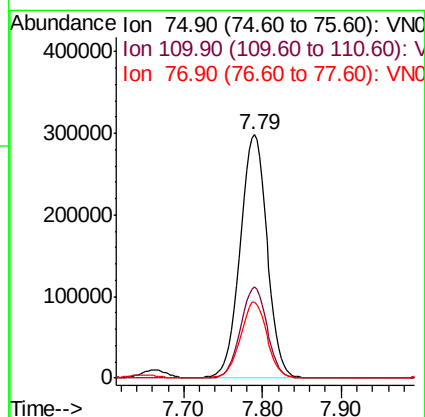
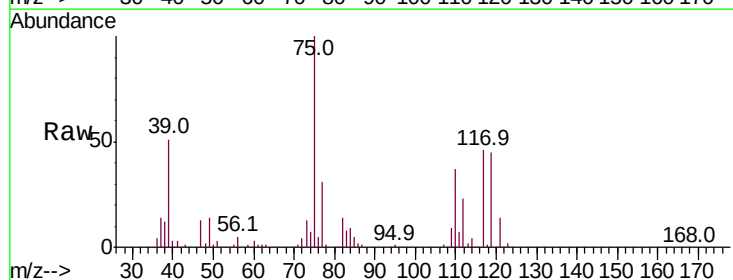
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

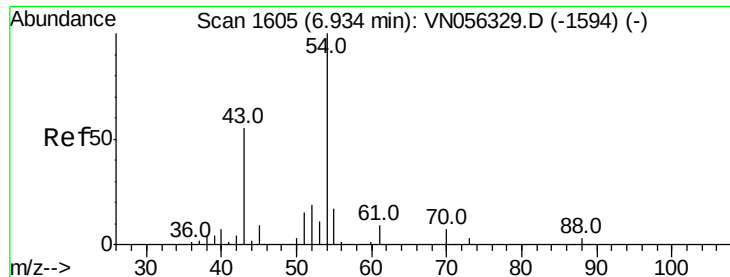
Tot Ion:113 Resp: 502081
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 22.7 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 120.566 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Tgt Ion: 75 Resp: 715652
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.6 56.0
 77 31.1 25.0 37.6

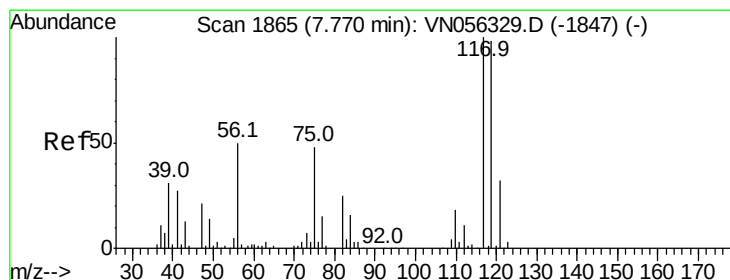
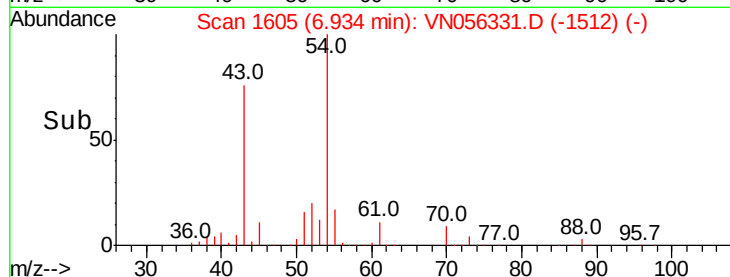
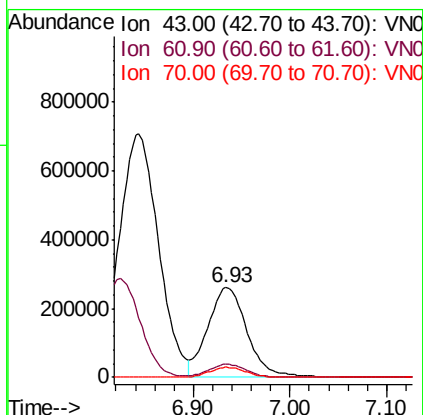
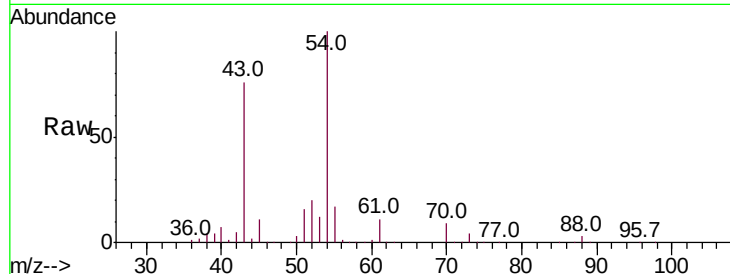




#37
Ethyl Acetate
Concen: 130.431 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

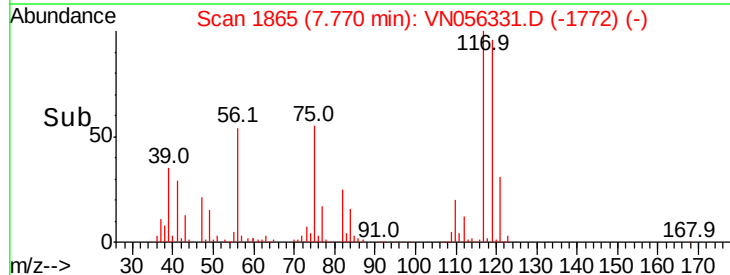
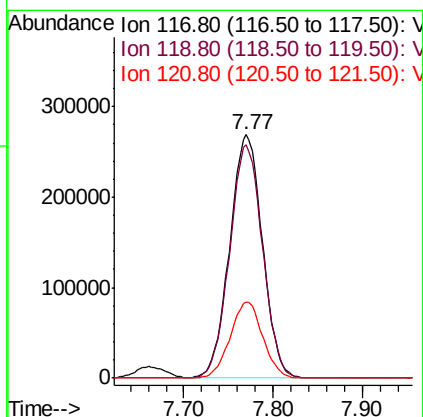
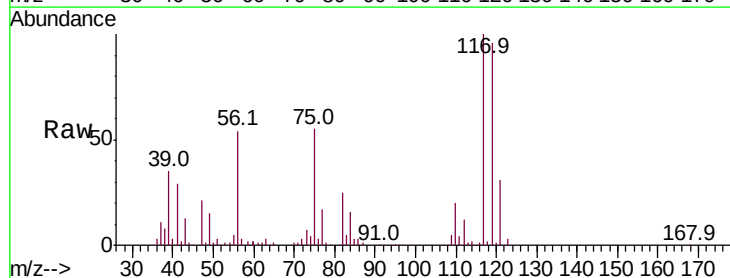
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

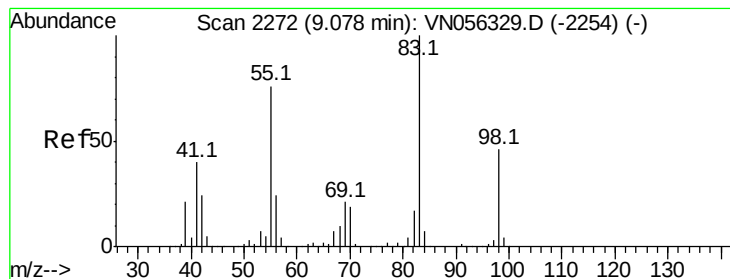
Tot Ion: 43 Resp: 726597
Ion Ratio Lower Upper
43 100
61 14.4 11.7 17.5
70 10.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 123.436 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 117 Resp: 683222
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.8
121 31.4 25.3 37.9





#39

Methylvlcyclohexane

Concen: 123.277 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

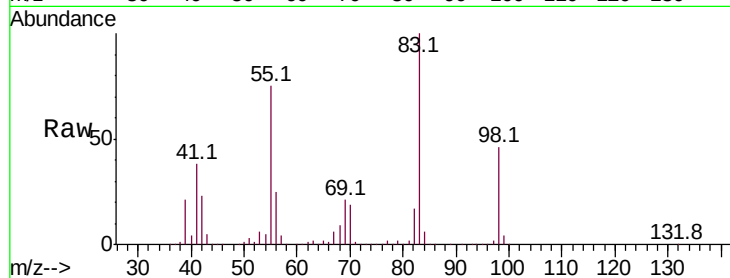
Tot Ion: 83 Resp: 906171

Ion Ratio Lower Upper

83 100

55 74.8 60.8 91.2

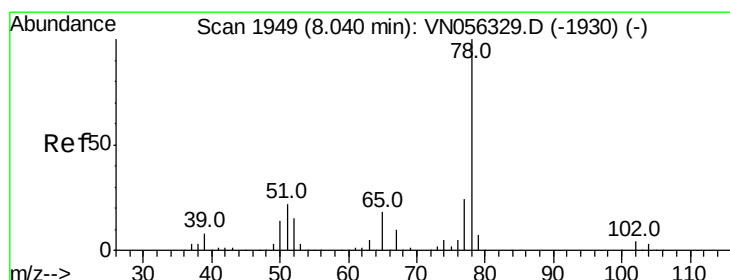
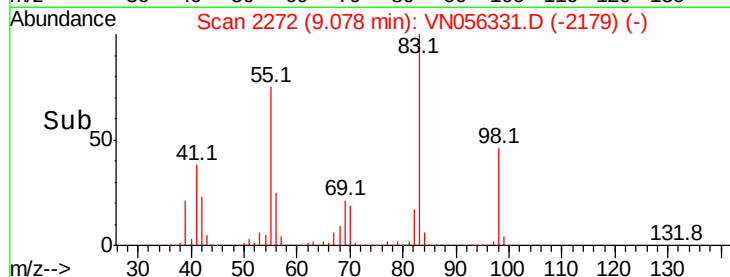
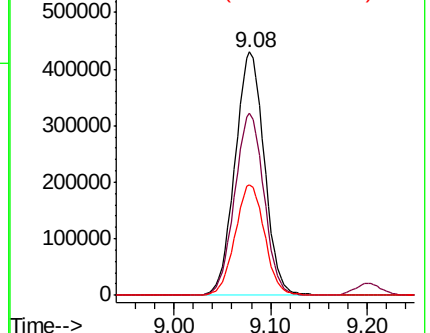
98 45.5 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 119.793 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056331.D

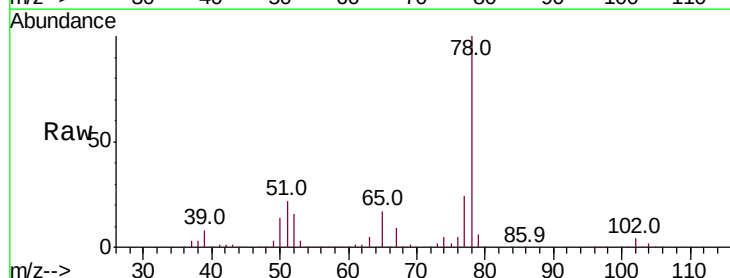
Acq: 17 Jun 2019 10:48

Tgt Ion: 78 Resp: 2156948

Ion Ratio Lower Upper

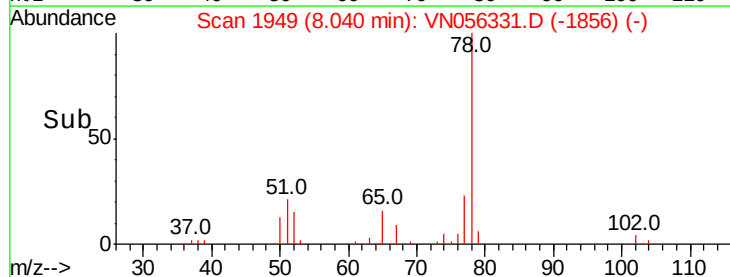
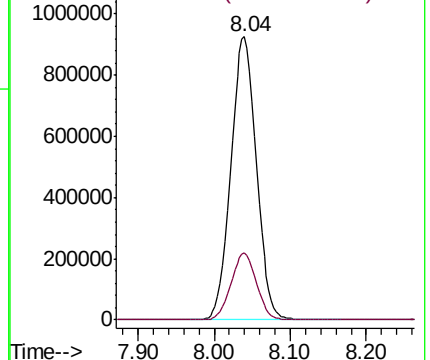
78 100

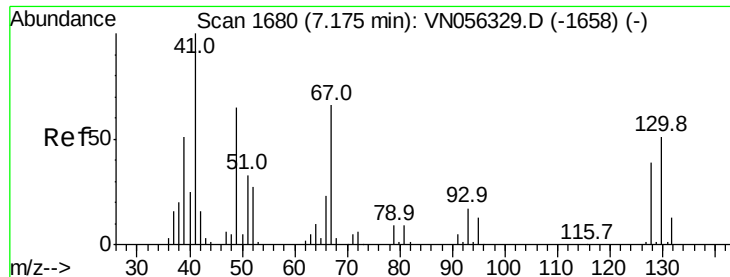
77 23.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

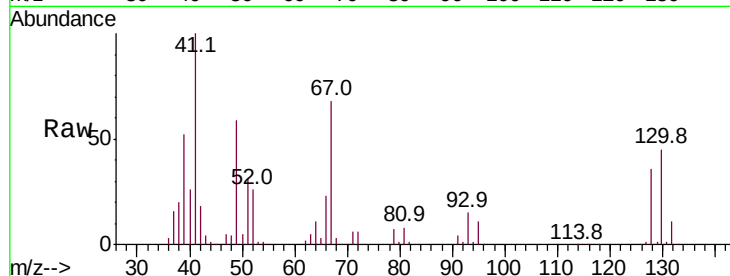




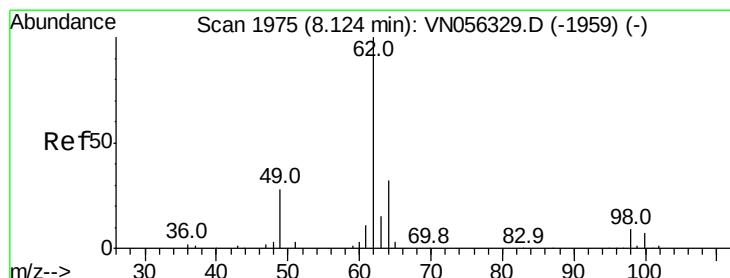
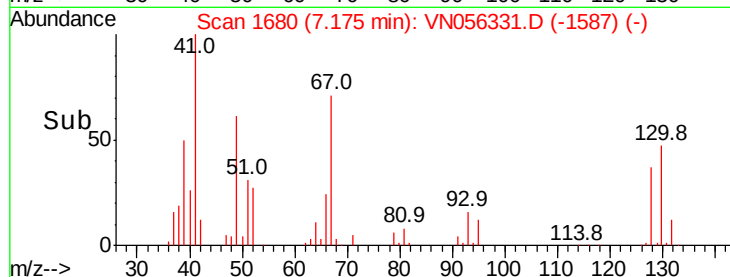
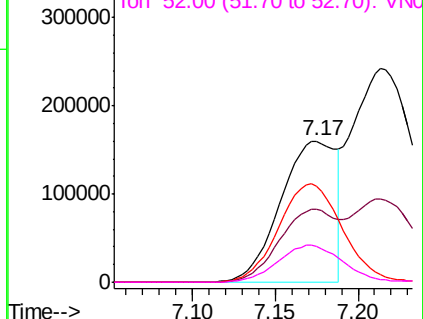
#41
Methacrylonitrile
Concen: 142.279 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 372094
Ion Ratio Lower Upper
41 100
39 51.6 44.5 66.7
67 80.3 69.0 103.4
52 30.6 28.1 42.1

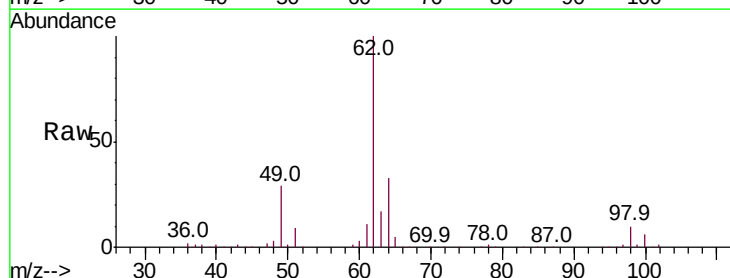


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

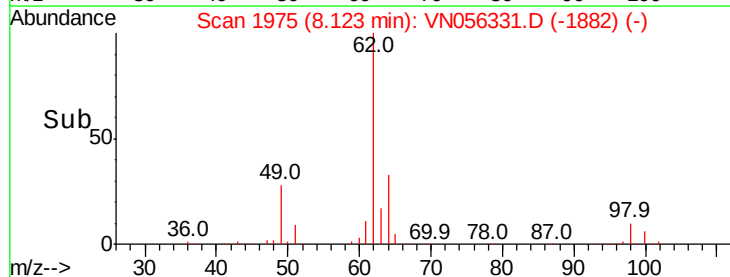
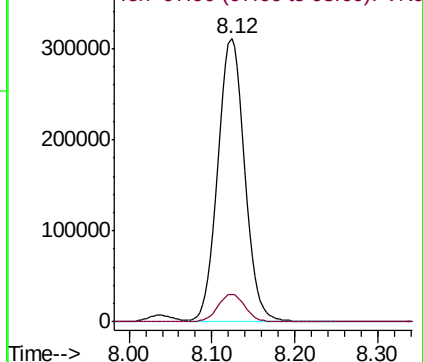


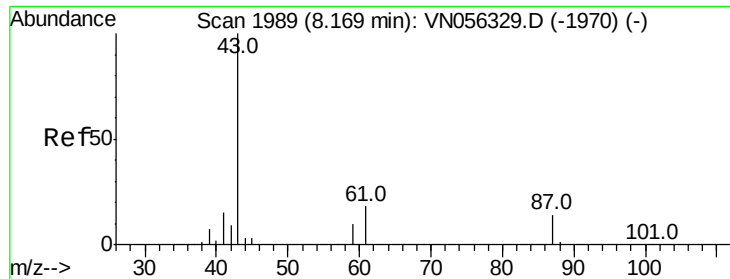
#42
1,2-Dichloroethane
Concen: 119.485 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 62 Resp: 699498
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 131.521 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

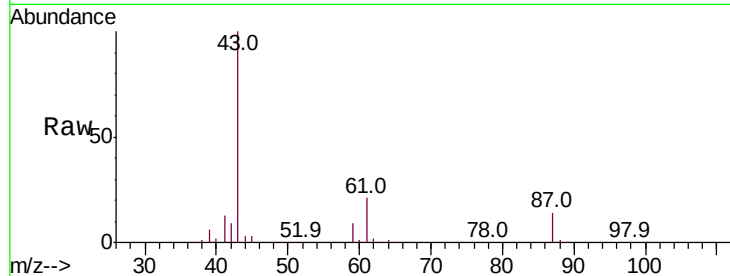
Tot Ion: 43 Resp: 1156113

Ion Ratio Lower Upper

43 100

61 21.9 16.6 25.0

87 14.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)

8.17

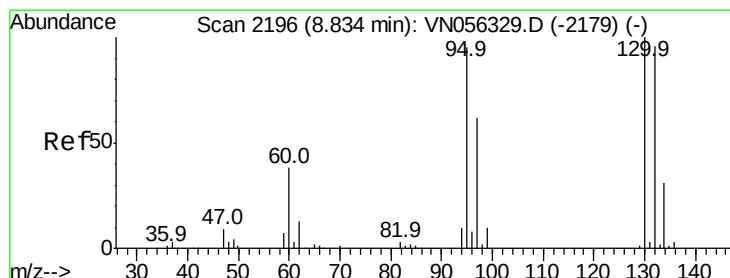
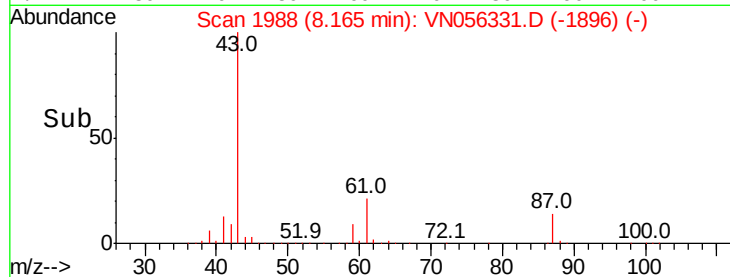
600000

400000

200000

0

Time-->



#44

Trichloroethene

Concen: 117.977 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056331.D

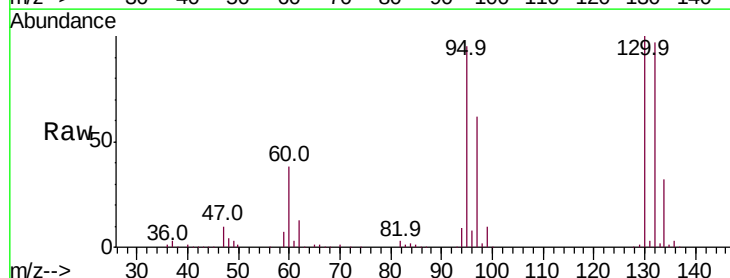
Acq: 17 Jun 2019 10:48

Tgt Ion:130 Resp: 593870

Ion Ratio Lower Upper

130 100

95 95.2 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056329.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056329.D (-2179) (-)

8.83

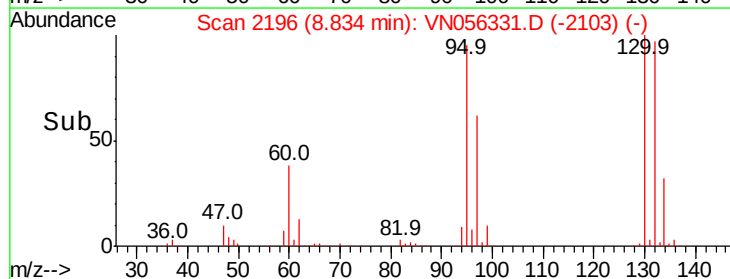
300000

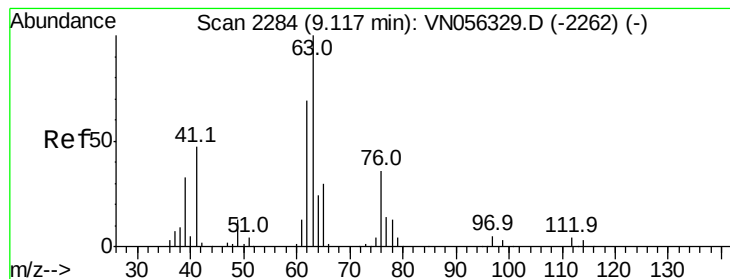
200000

100000

0

Time-->





#45

1,2-Dichloropropane

Concen: 122.943 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

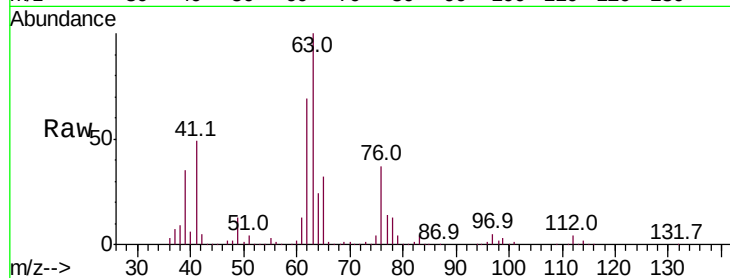
VSTDIC150

Tot Ion: 63 Resp: 578458

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

300000

250000

200000

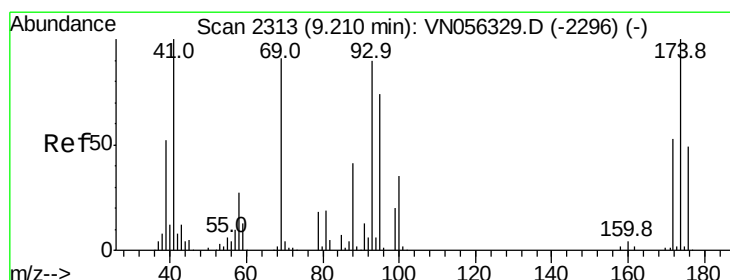
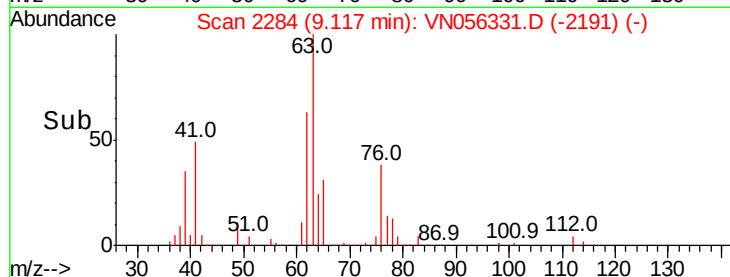
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 121.578 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

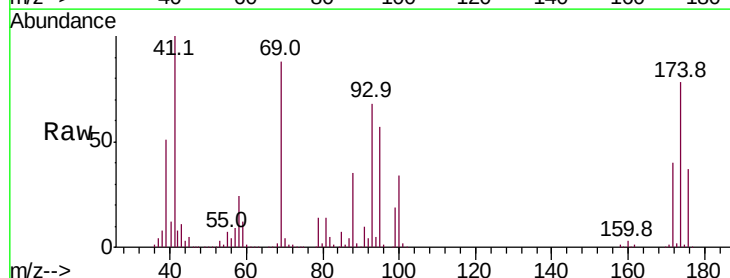
Tgt Ion: 93 Resp: 374574

Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 115.6 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

250000

200000

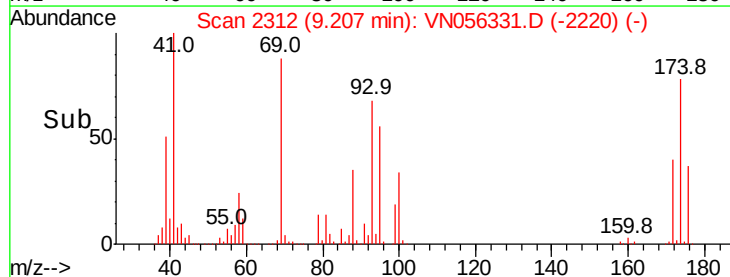
150000

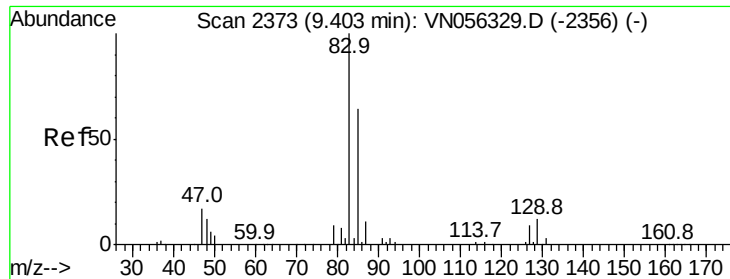
100000

50000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 128.097 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

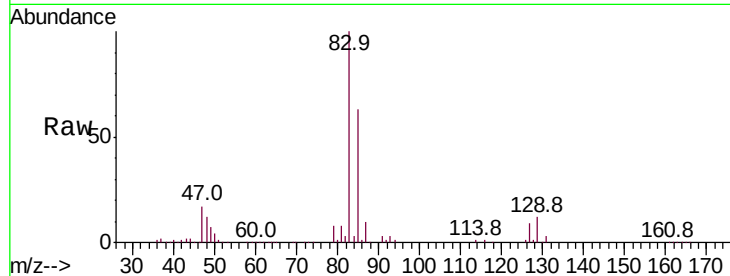
Tot Ion: 83 Resp: 733127

Ion Ratio Lower Upper

83 100

85 63.1 51.1 76.7

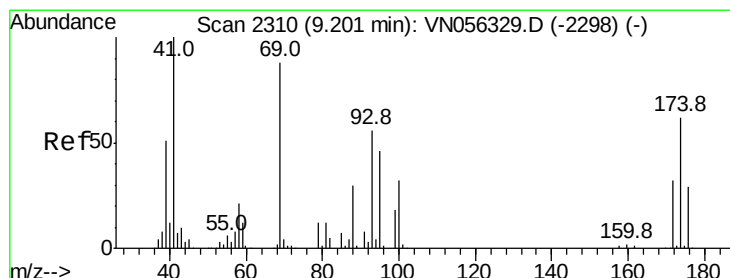
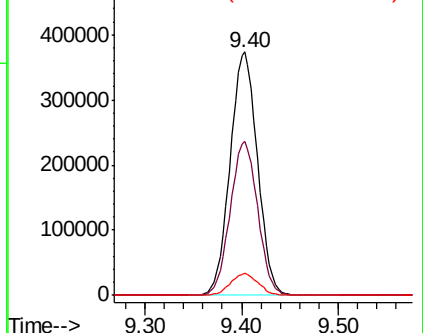
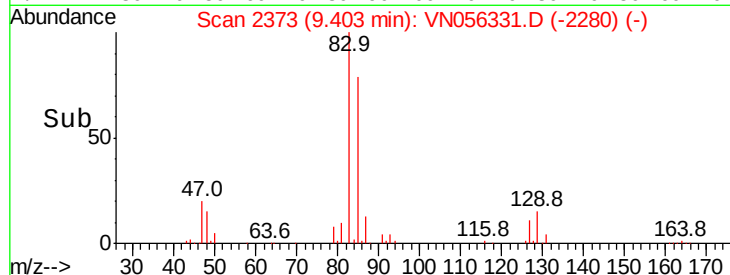
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056331.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056331.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056331.D (-2280) (-)



#48

Methyl methacrylate

Concen: 133.183 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

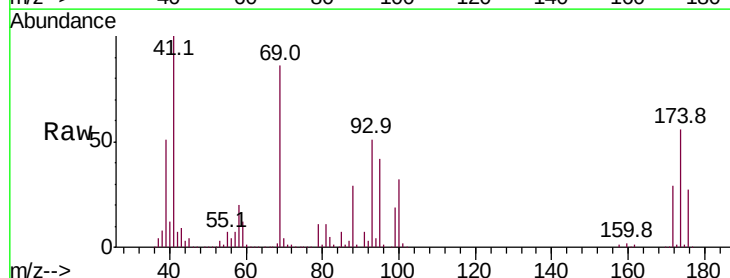
Tgt Ion: 41 Resp: 584380

Ion Ratio Lower Upper

41 100

69 87.1 71.0 106.6

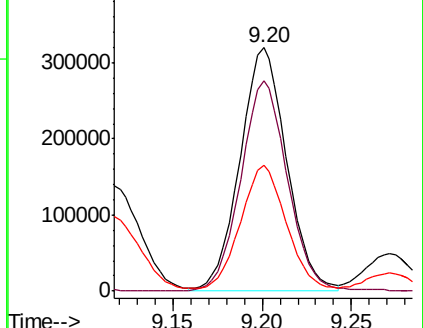
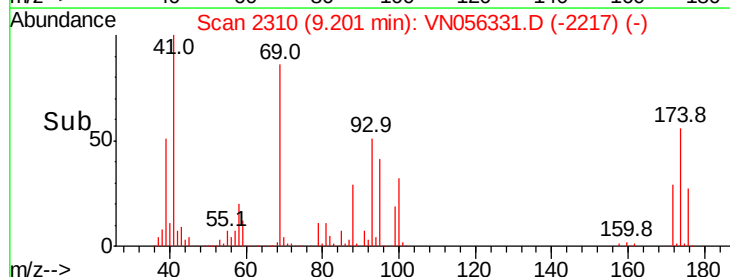
39 51.3 41.7 62.5

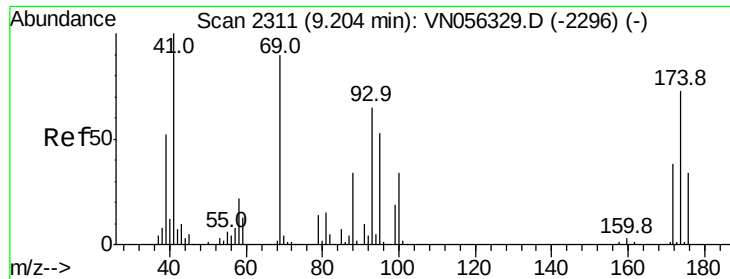


Abundance Ion 41.00 (40.70 to 41.70): VN056331.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN056331.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN056331.D (-2217) (-)





#49

1,4-Dioxane

Concen: 2572.941 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

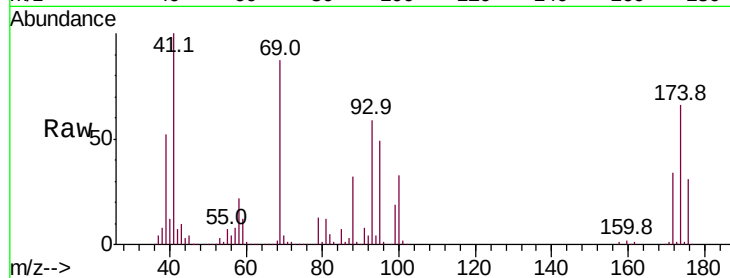
Tot Ion: 88 Resp: 236156

Ion Ratio Lower Upper

88 100

43 25.6 21.9 32.9

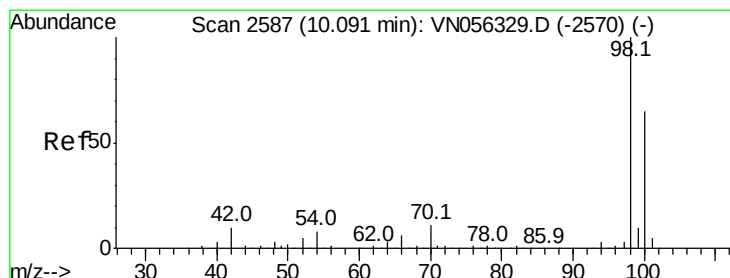
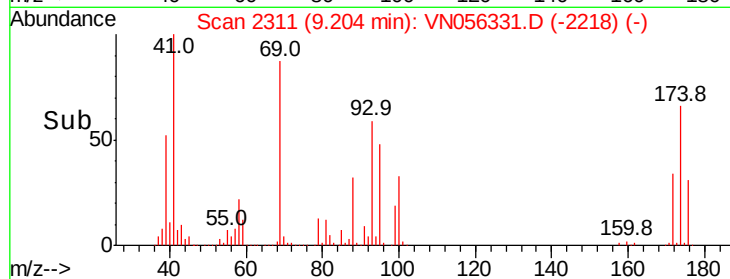
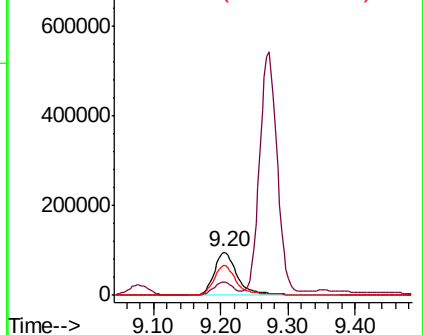
58 68.4 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 114.395 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056331.D

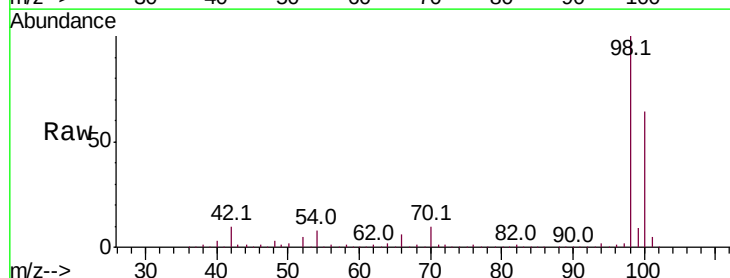
Acq: 17 Jun 2019 10:48

Tgt Ion: 98 Resp: 1931109

Ion Ratio Lower Upper

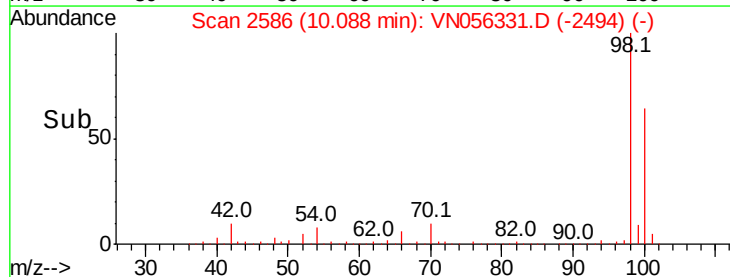
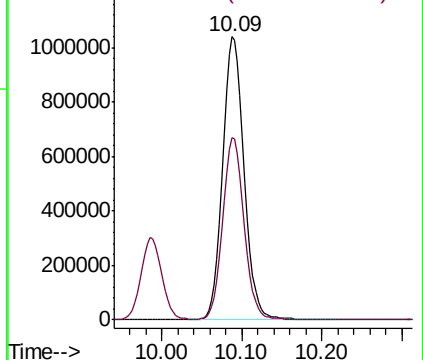
98 100

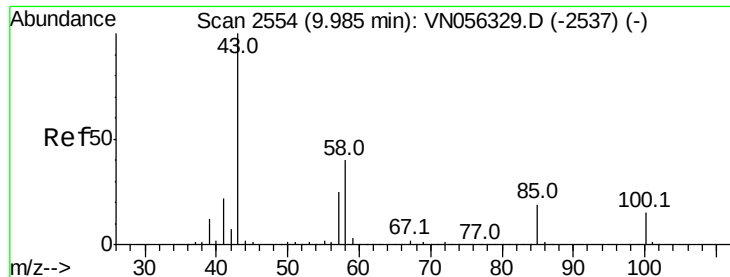
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 633.070 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

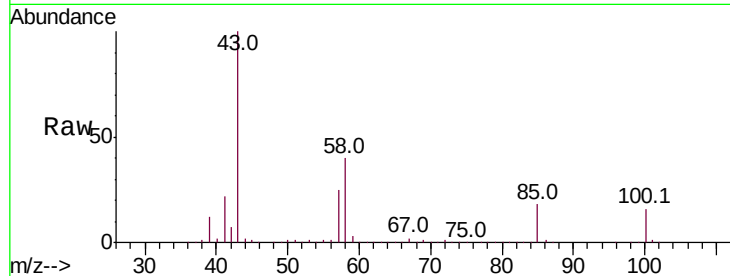
VSTDIC150

Tot Ion: 43 Resp: 3548252

Ion Ratio Lower Upper

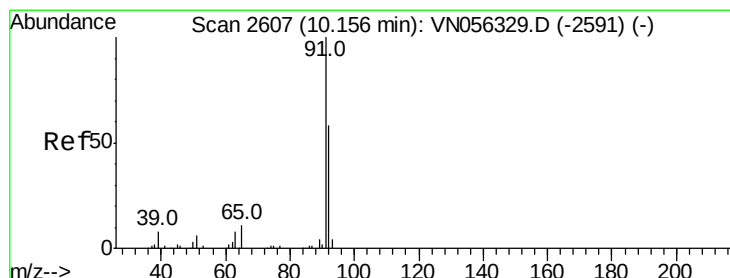
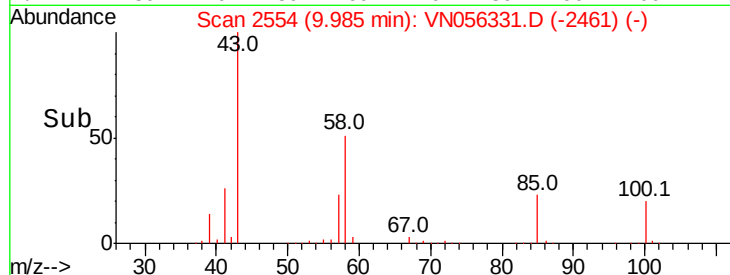
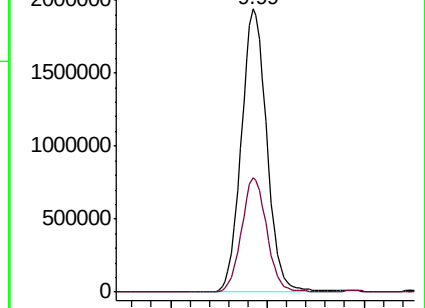
43 100

58 40.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN056329.D (-2537) (-)



#52

Toluene

Concen: 119.492 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056331.D

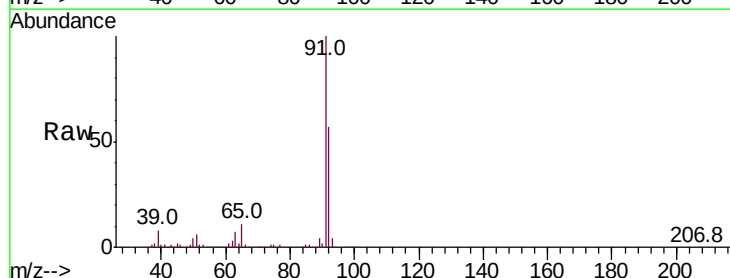
Acq: 17 Jun 2019 10:48

Tgt Ion: 92 Resp: 1336796

Ion Ratio Lower Upper

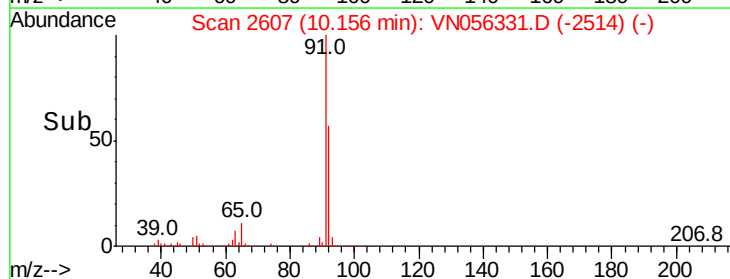
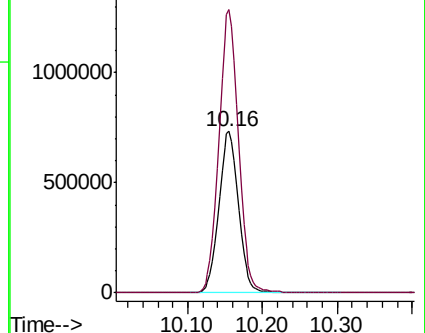
92 100

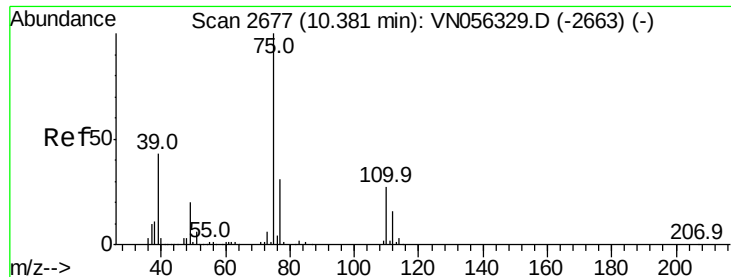
91 175.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN056329.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN056329.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 137.616 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

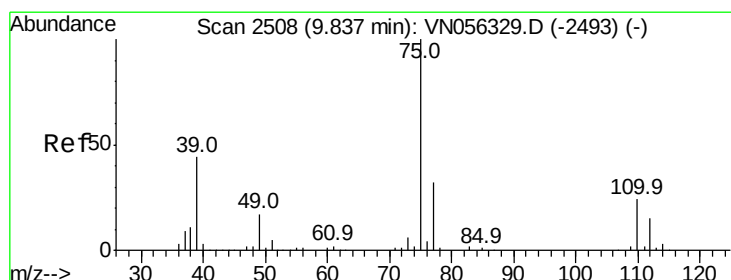
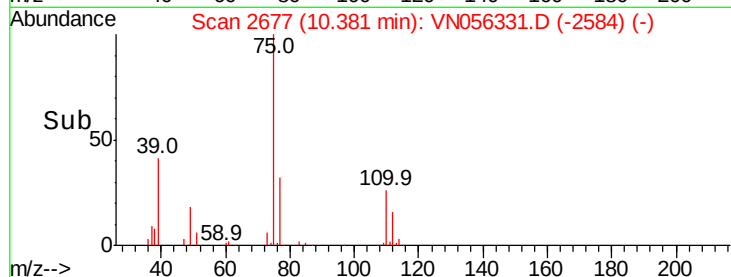
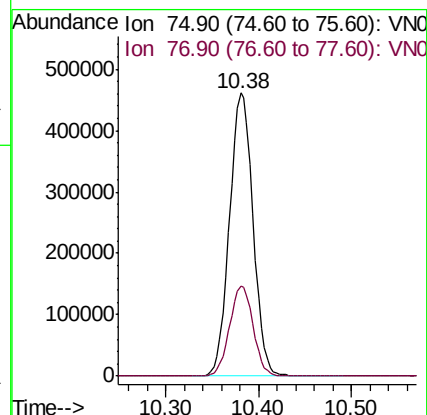
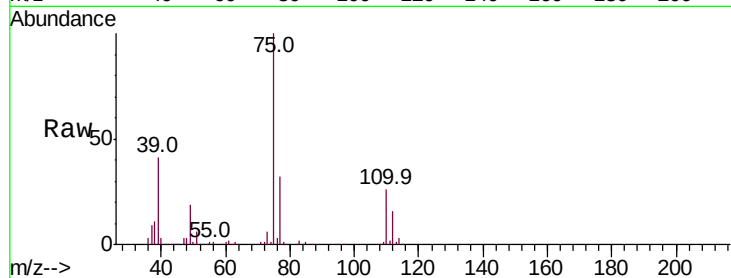
VSTDIC150

Tot Ion: 75 Resp: 811793

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 133.648 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

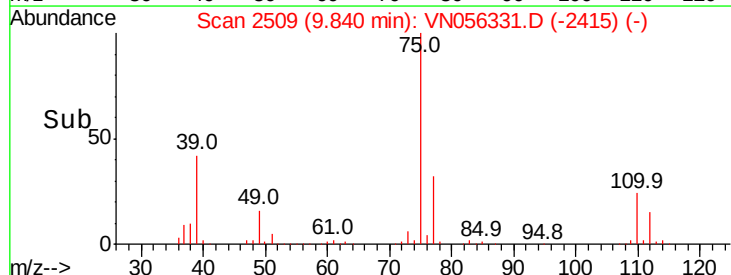
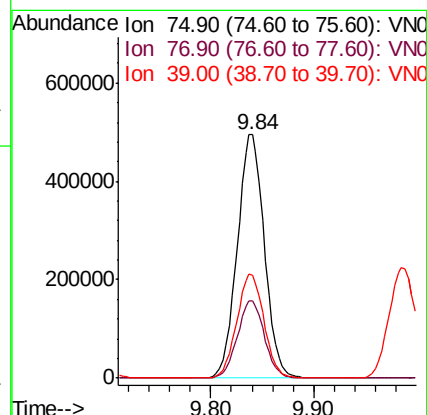
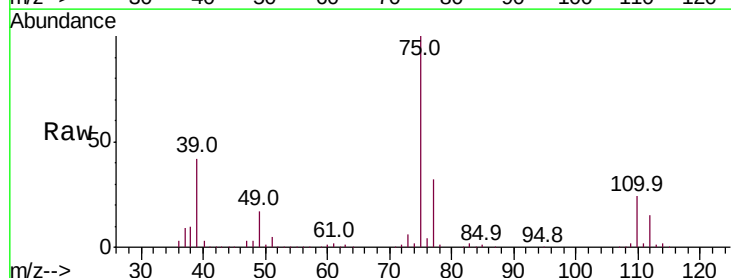
Tgt Ion: 75 Resp: 905650

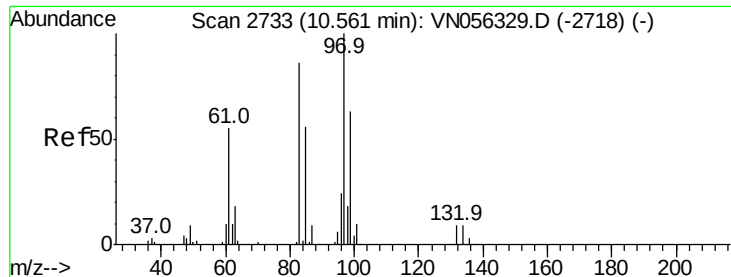
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 42.1 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 121.051 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 538088

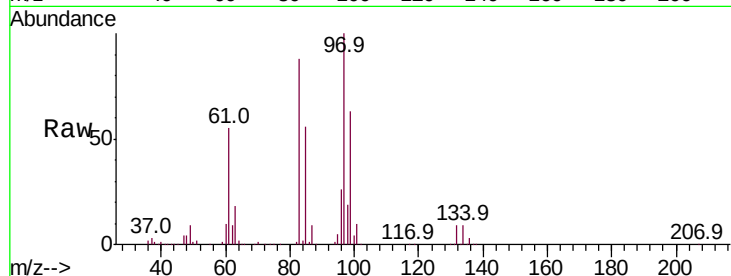
Ion Ratio Lower Upper

97 100

83 87.5 69.0 103.4

85 56.2 44.6 67.0

99 62.9 50.5 75.7

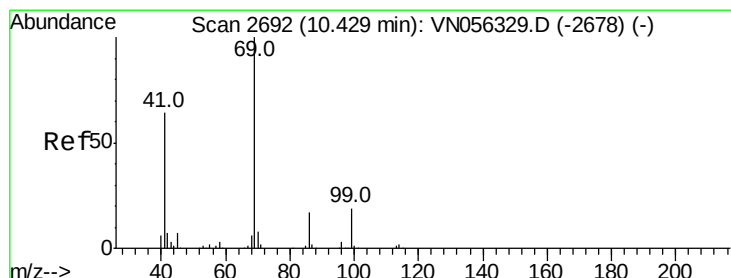
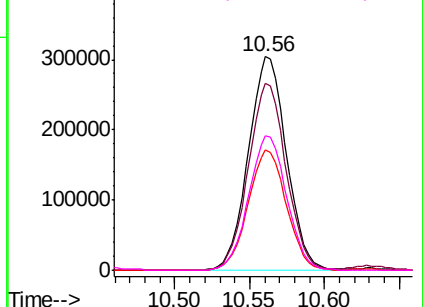
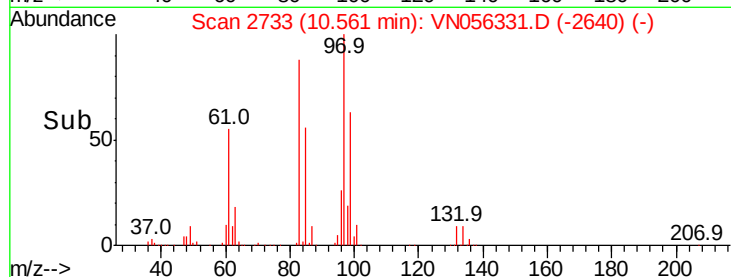


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 130.334 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

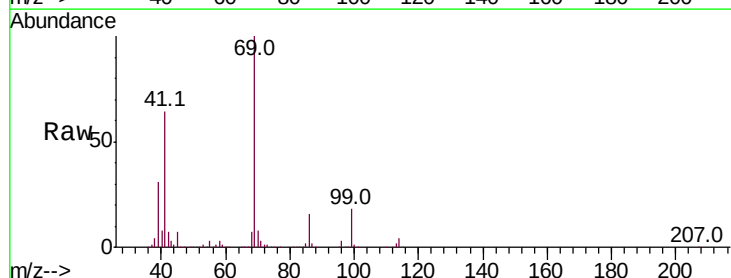
Tgt Ion: 69 Resp: 866006

Ion Ratio Lower Upper

69 100

41 62.9 52.0 78.0

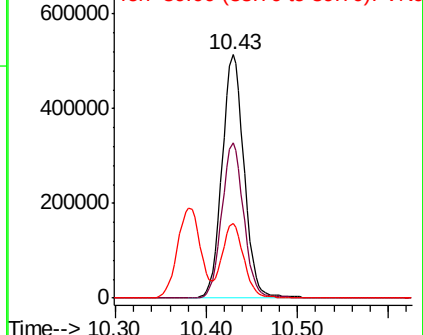
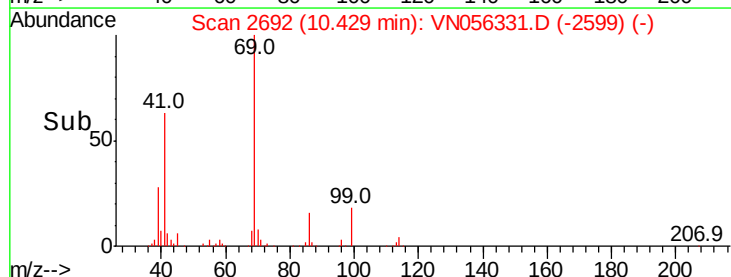
39 30.0 24.4 36.6

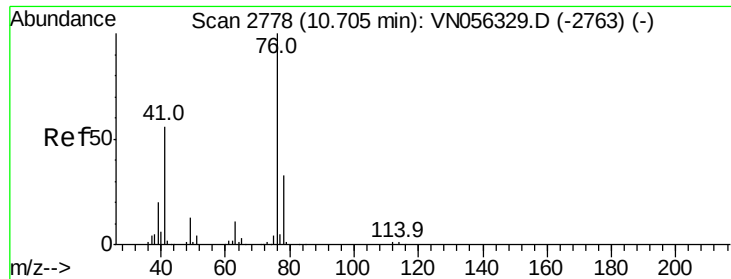


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 123.664 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

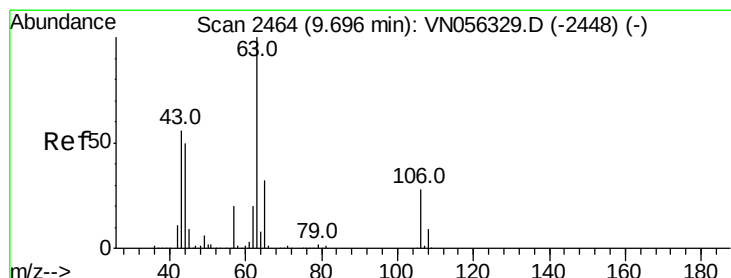
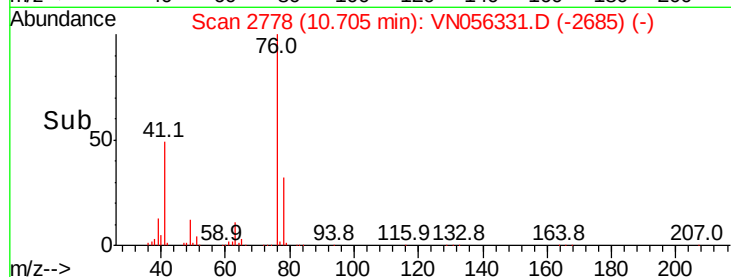
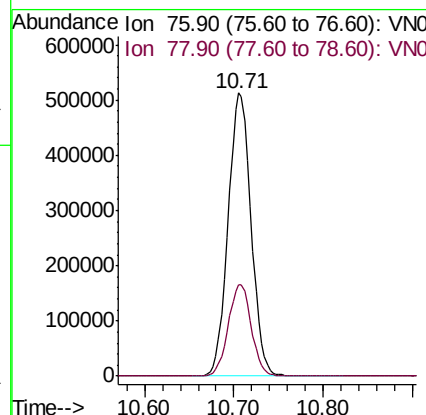
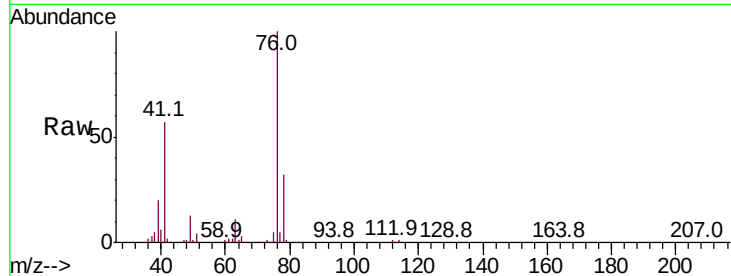
Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 911242

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 705.694 ug/l

RT: 9.70 min Scan# 2464

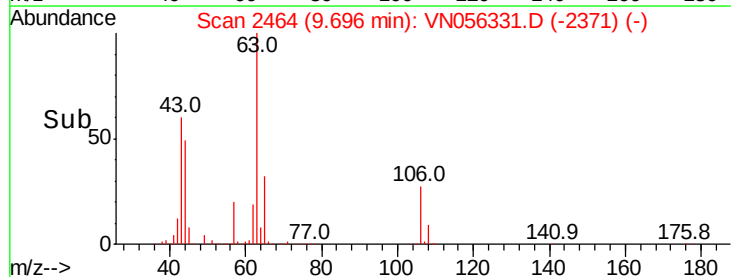
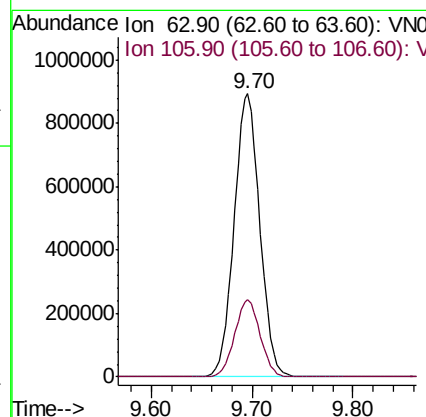
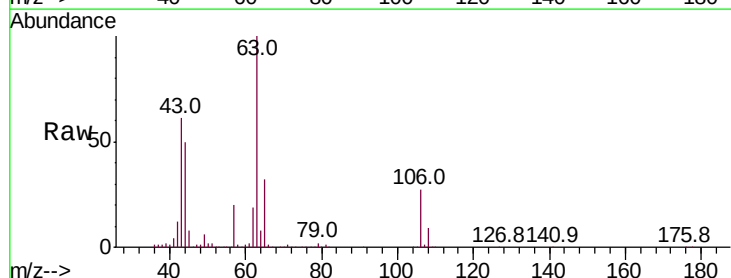
Delta R.T. -0.00 min

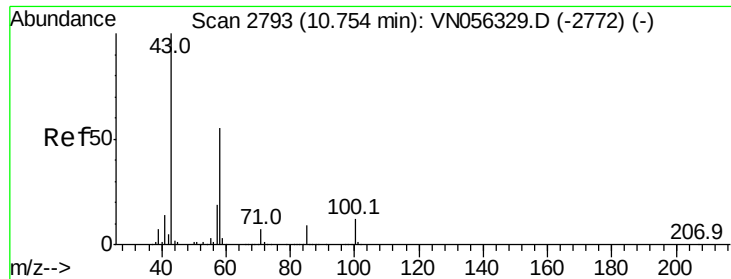
Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Tgt Ion: 63 Resp: 1581522

Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.2	33.2

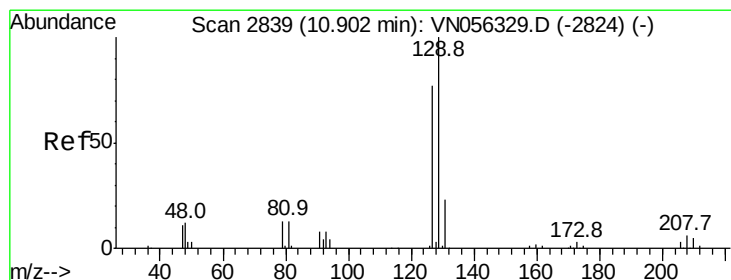
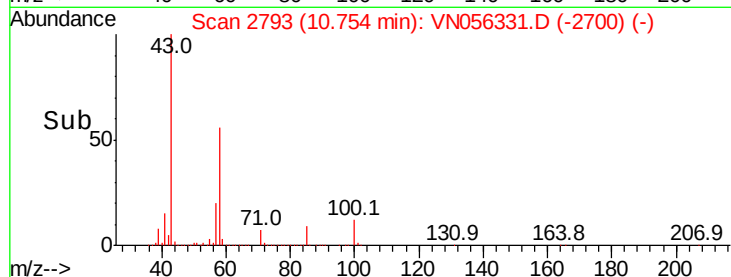
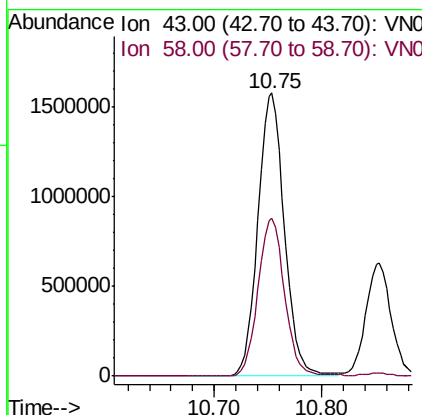
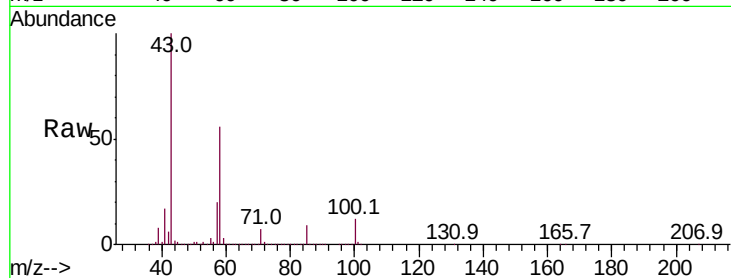




#59
2-Hexanone
Concen: 652.521 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

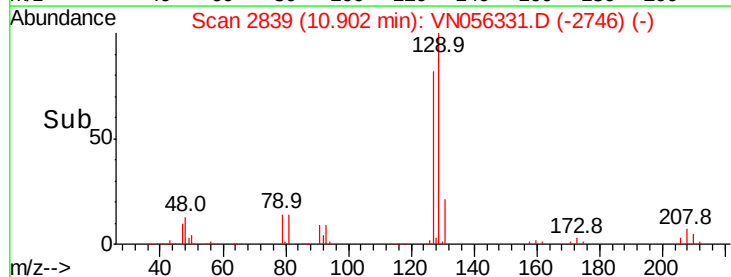
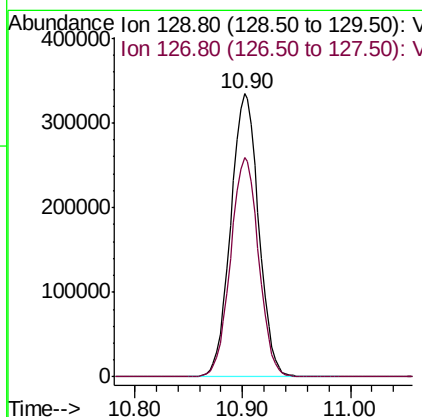
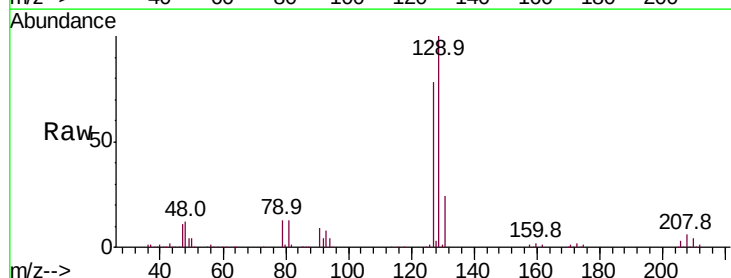
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

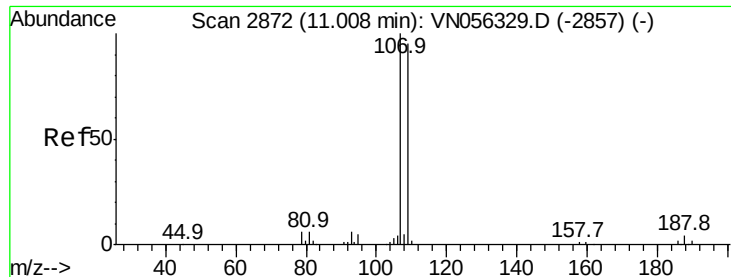
Tot Ion: 43 Resp: 2676954
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4



#60
Dibromochloromethane
Concen: 132.784 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 129 Resp: 601340
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 125.703 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

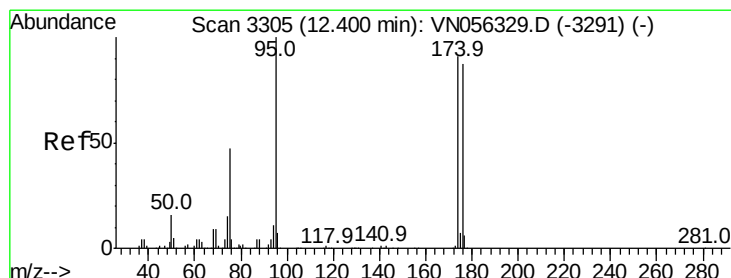
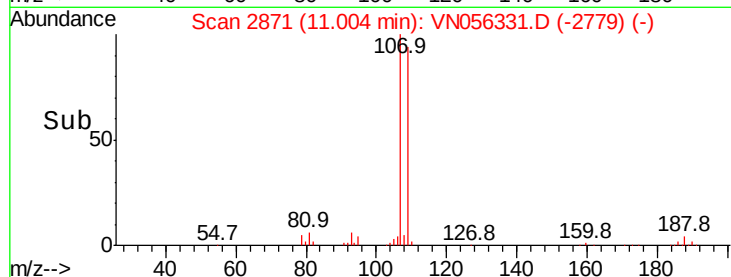
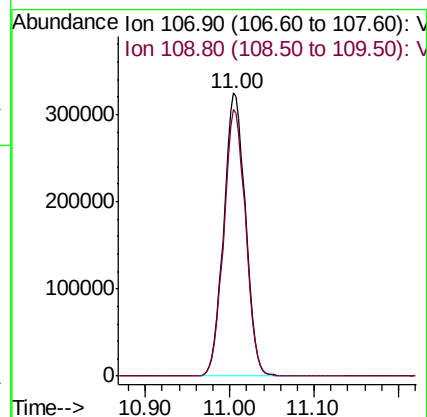
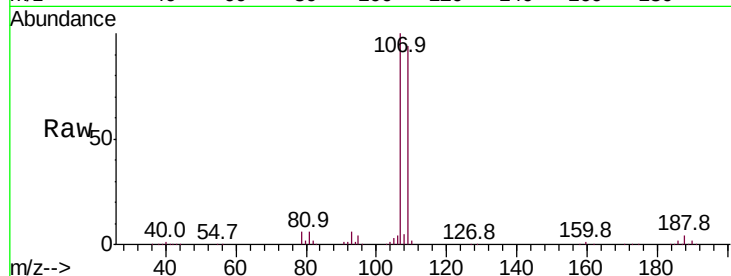
VSTDIC150

Tot Ion:107 Resp: 580664

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 119.328 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

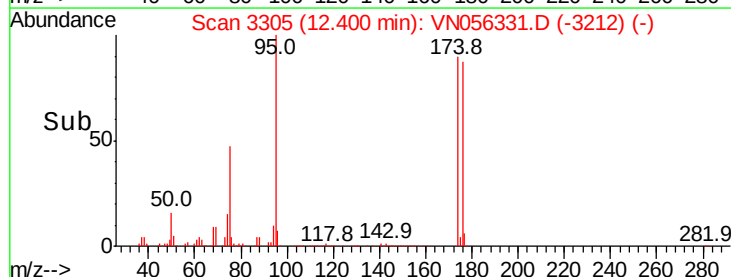
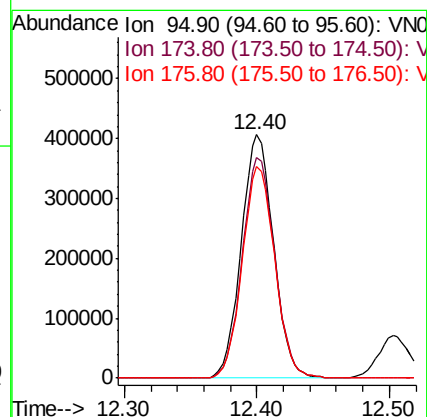
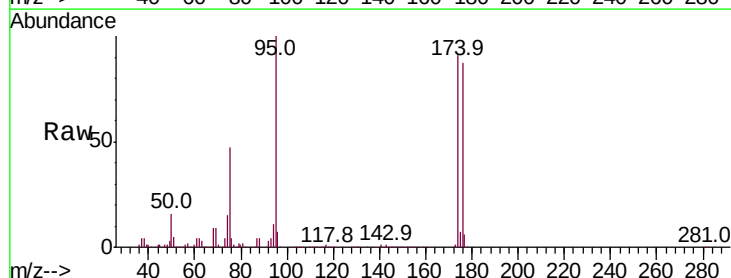
Tgt Ion: 95 Resp: 688238

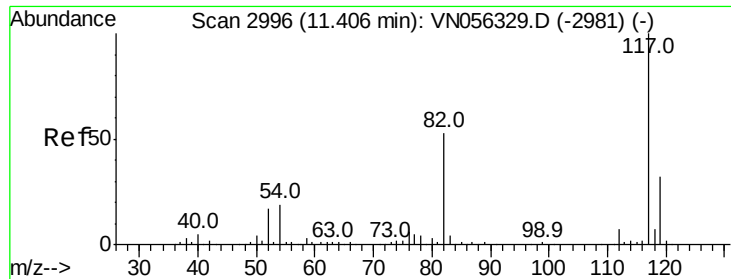
Ion Ratio Lower Upper

95 100

174 90.9 0.0 182.6

176 87.7 0.0 176.8

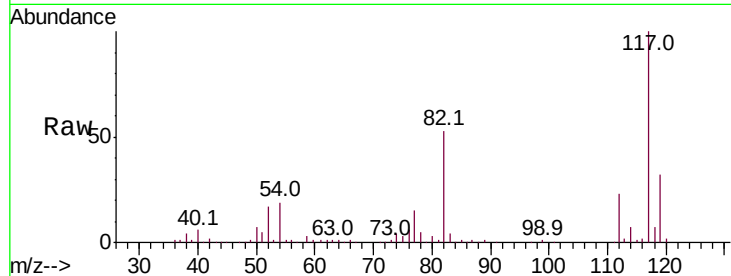




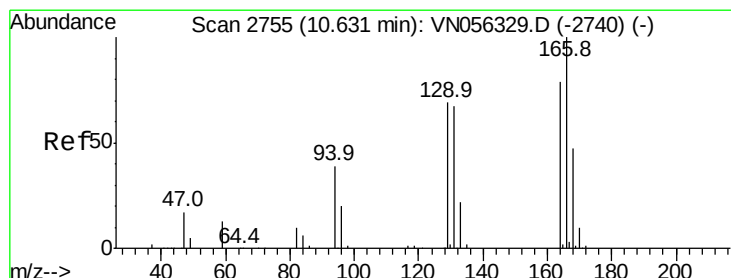
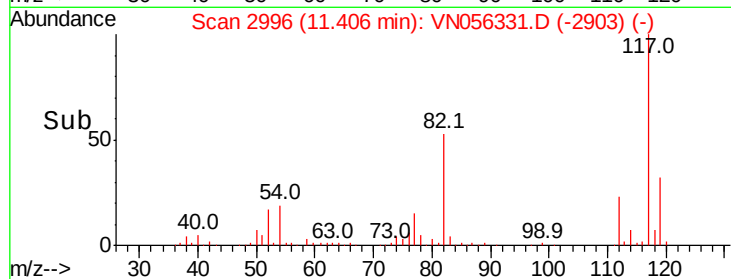
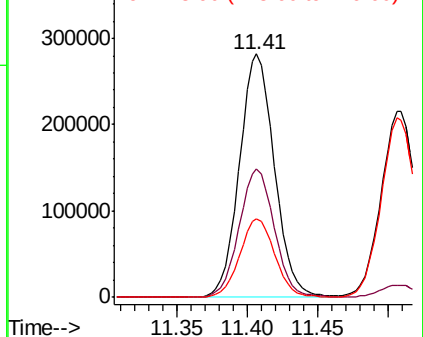
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 491250
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 32.4 26.0 39.0

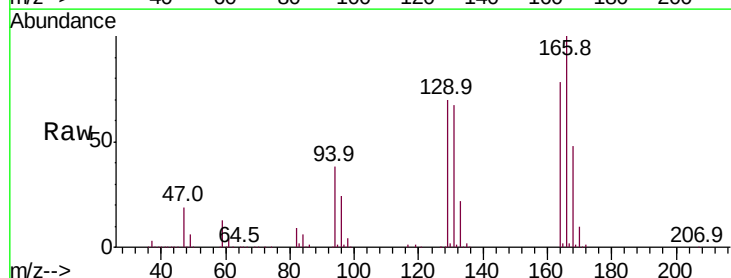


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

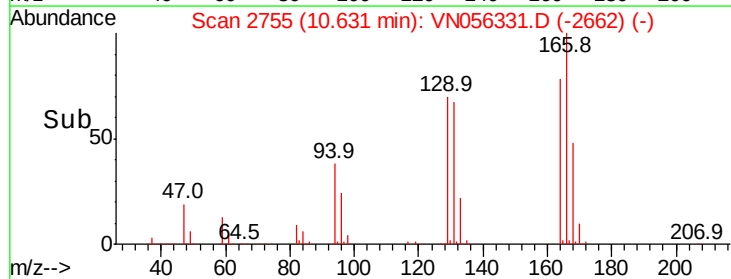
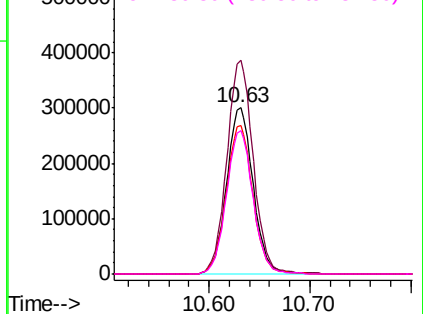


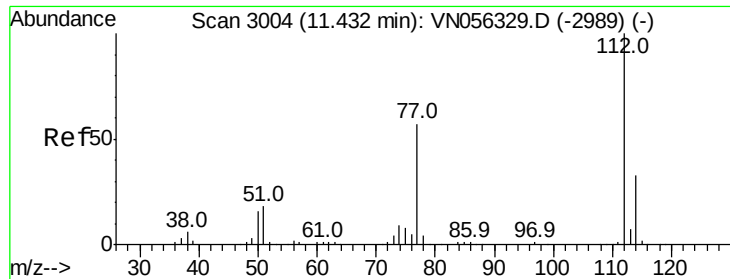
#64
Tetrachloroethene
Concen: 107.023 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion:164 Resp: 553239
Ion Ratio Lower Upper
164 100
166 128.5 101.8 152.6
129 89.3 70.3 105.5
131 86.2 68.2 102.4



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

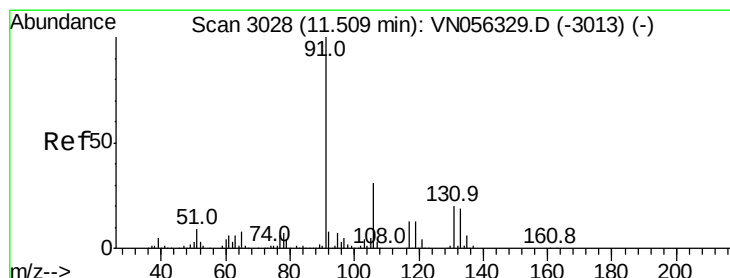
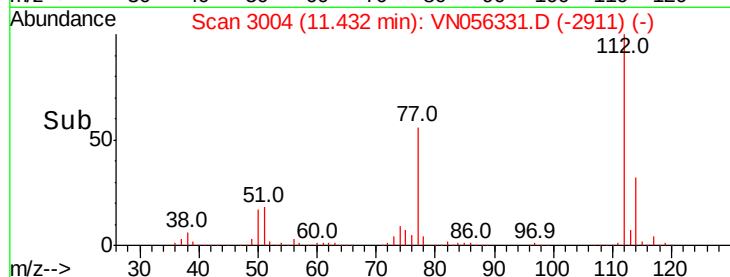
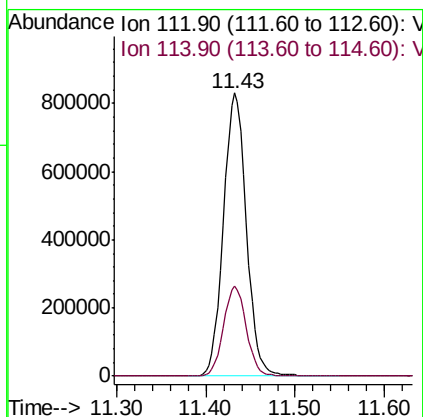
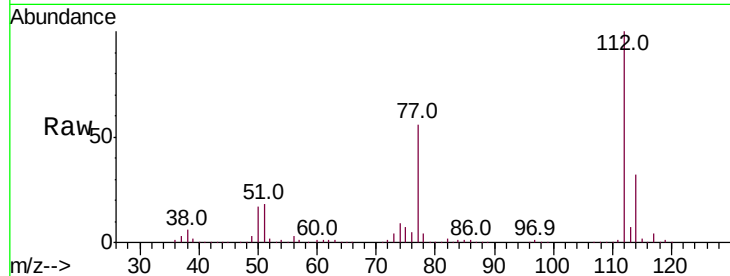




#65
Chlorobenzene
Concen: 119.297 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

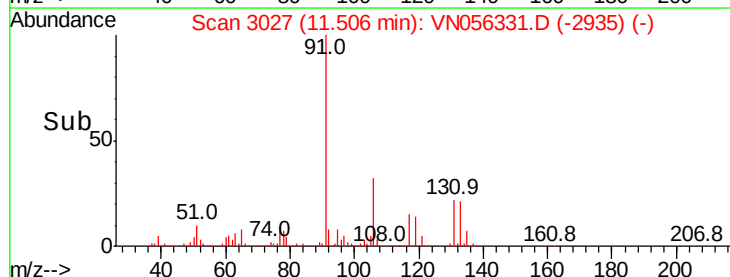
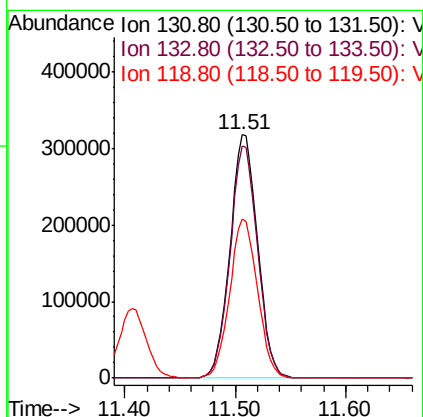
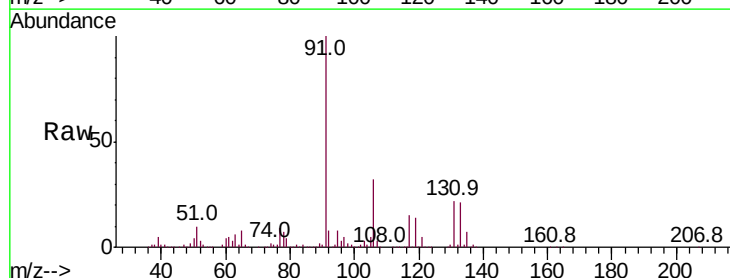
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

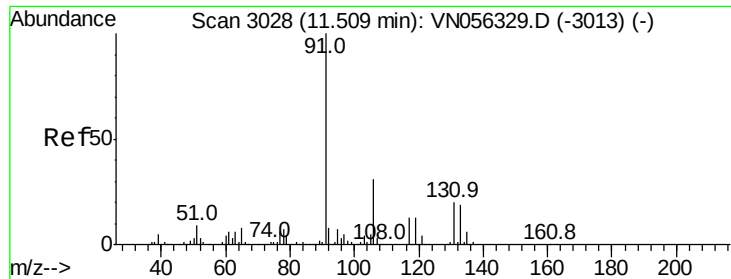
Tot Ion:112 Resp: 1474796
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 126.530 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion:131 Resp: 551217
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 65.8 33.5 100.5

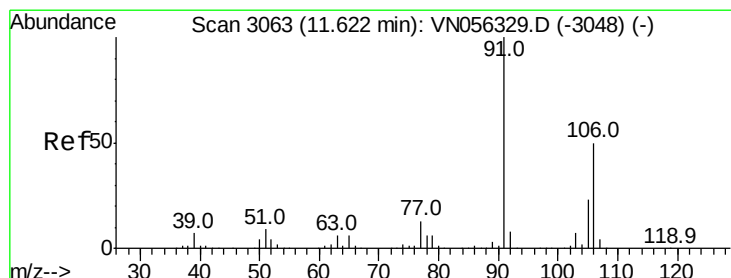
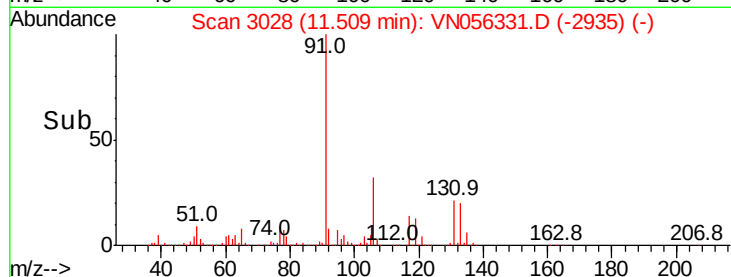
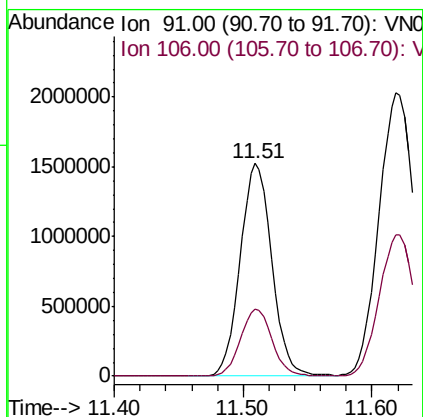
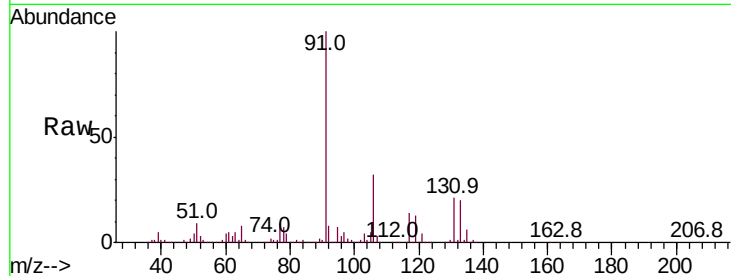




#67
Ethyl Benzene
Concen: 120.622 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

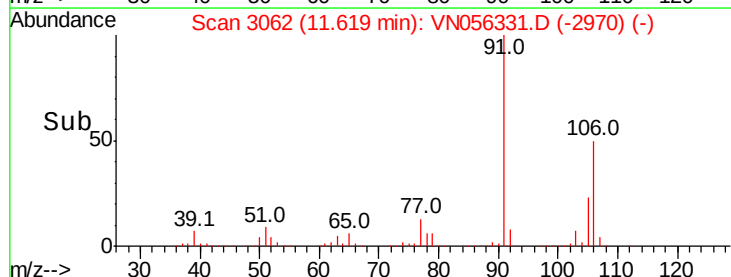
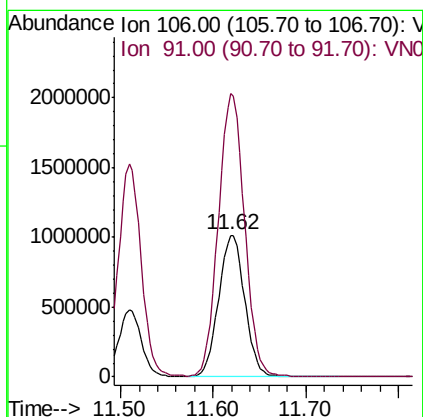
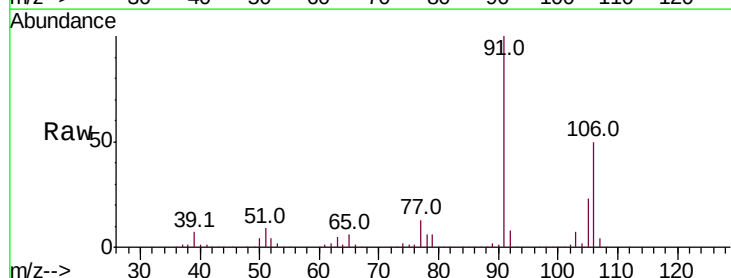
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

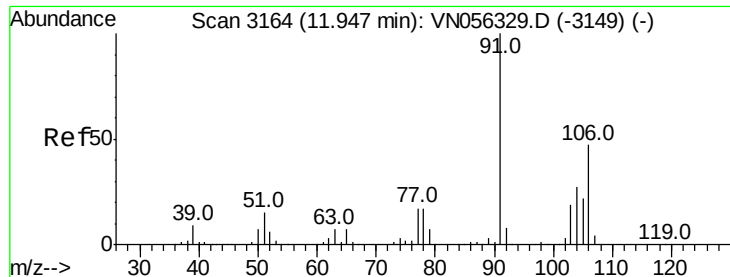
Tot Ion: 91 Resp: 2603558
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 240.795 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 106 Resp: 1979873
Ion Ratio Lower Upper
106 100
91 200.7 160.7 241.1

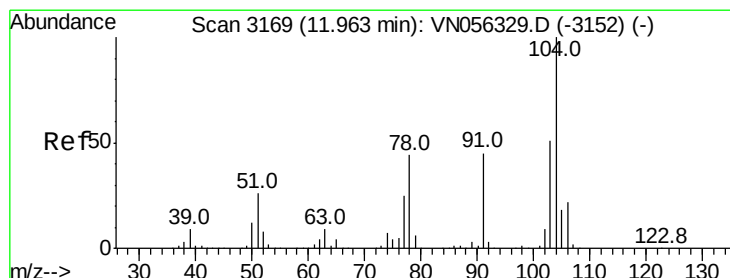
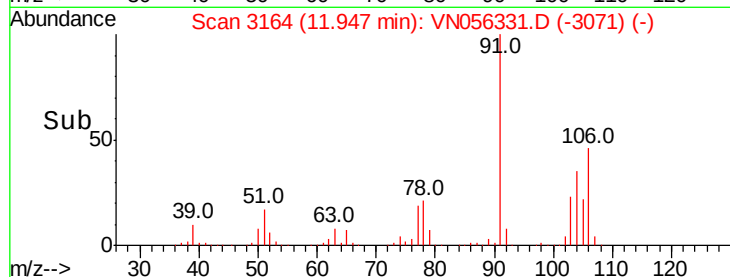
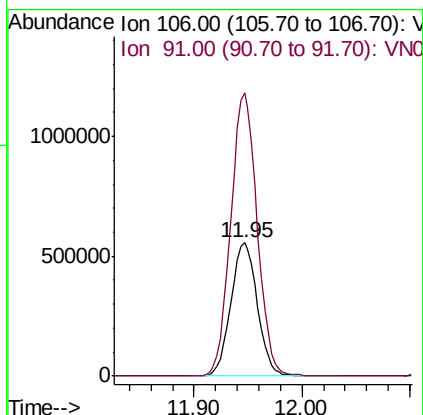
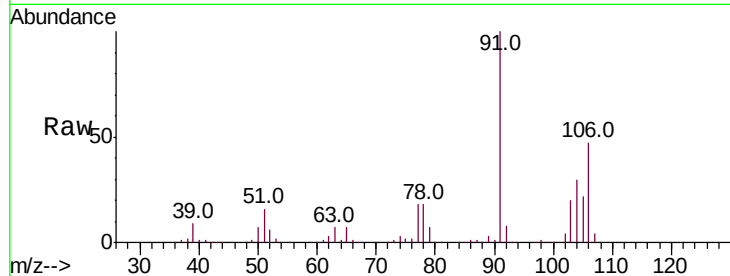




#69
o-Xylene
Concen: 118.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

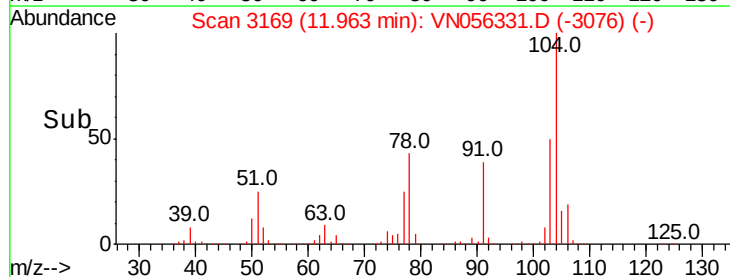
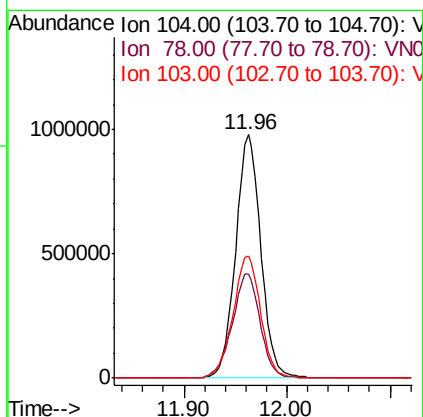
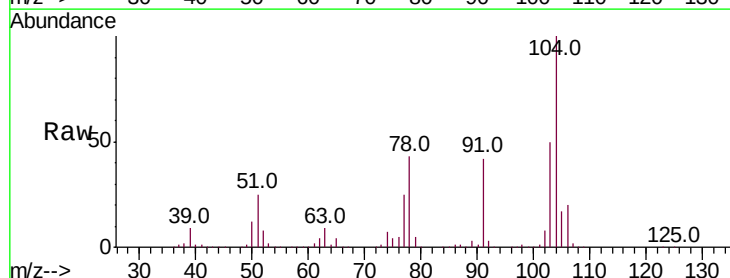
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

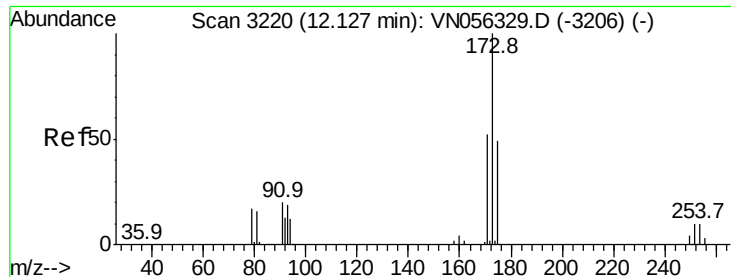
Tot Ion:106 Resp: 954662
Ion Ratio Lower Upper
106 100
91 211.4 105.6 316.7



#70
Styrene
Concen: 127.054 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion:104 Resp: 1664746
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 55.0 44.0 66.0





#71

Bromoform

Concen: 137.978 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

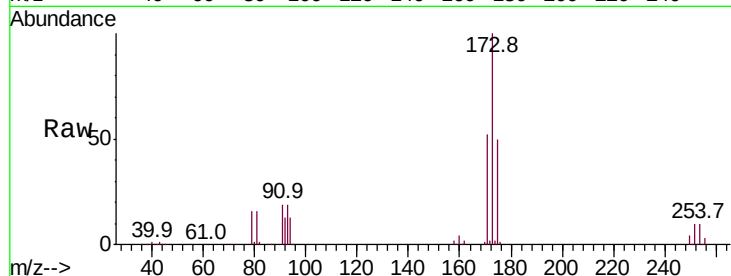
Tot Ion:173 Resp: 465217

Ion Ratio Lower Upper

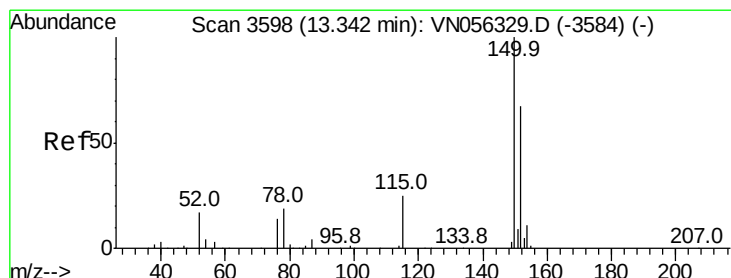
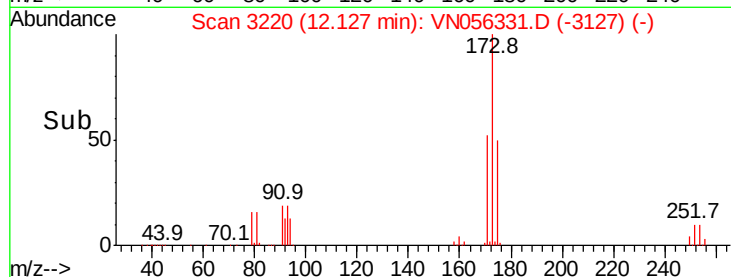
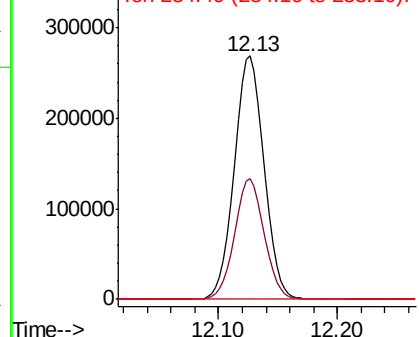
173 100

175 49.2 24.3 73.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

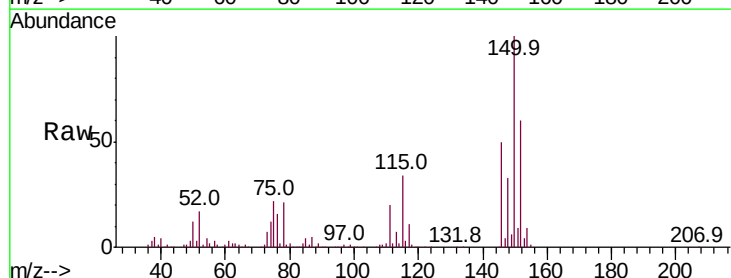
Tgt Ion:152 Resp: 241117

Ion Ratio Lower Upper

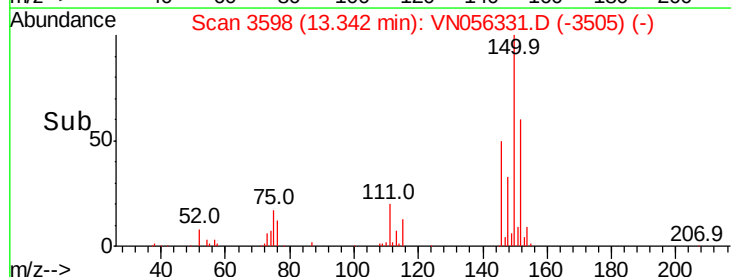
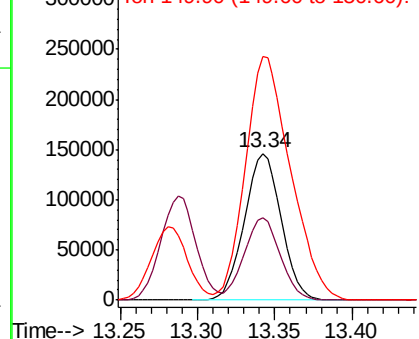
152 100

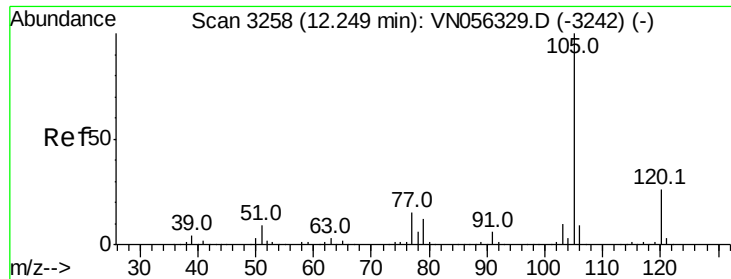
115 55.2 27.8 83.3

150 204.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 102.447 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

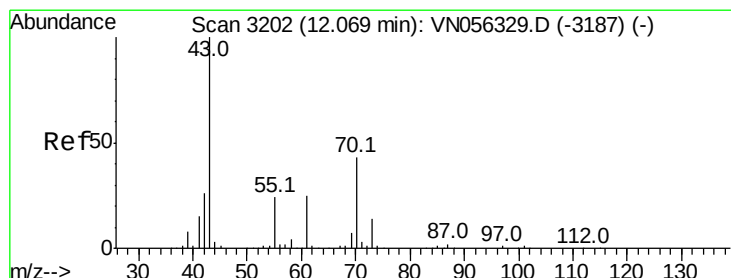
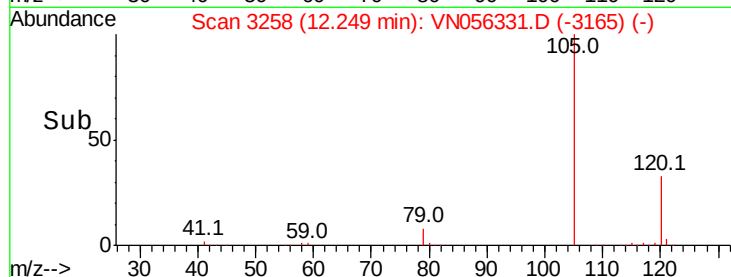
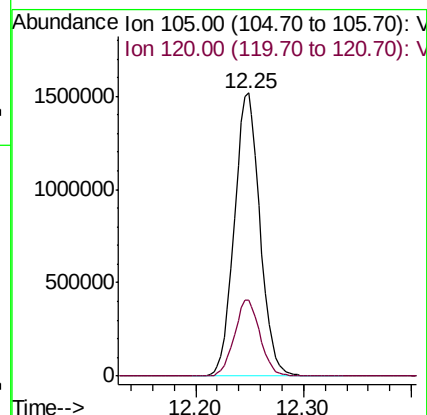
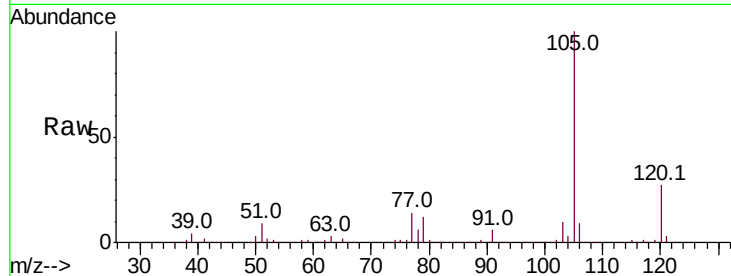
VSTDIC150

Tot Ion:105 Resp: 2507222

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 115.733 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Tgt Ion: 43 Resp: 979744

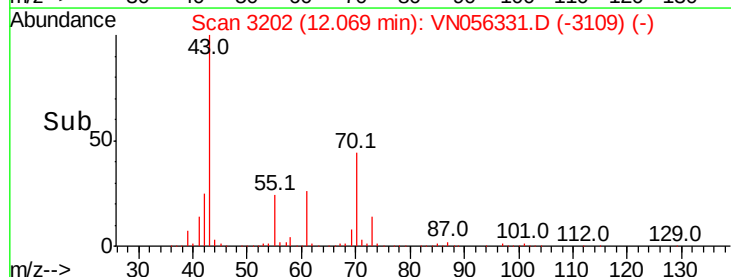
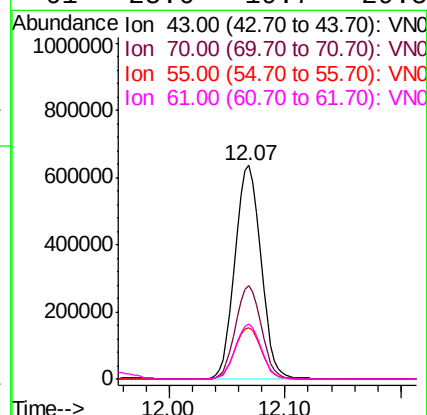
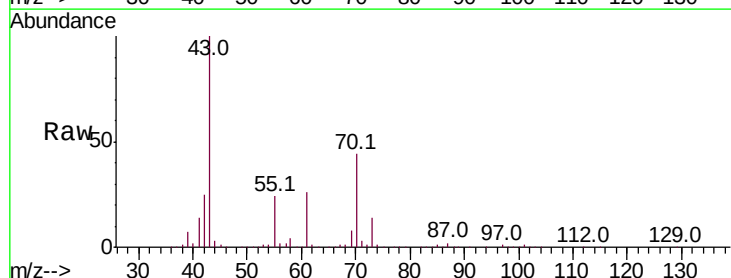
Ion Ratio Lower Upper

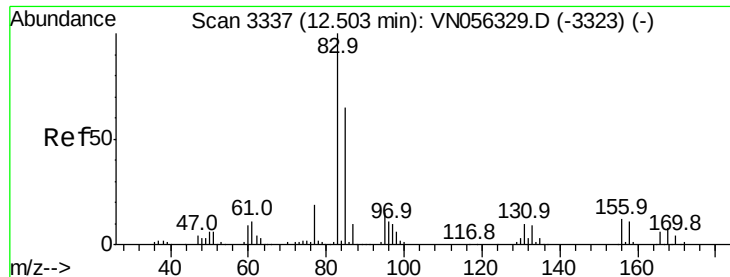
43 100

70 43.6 34.2 51.2

55 24.6 19.9 29.9

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 108.456 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

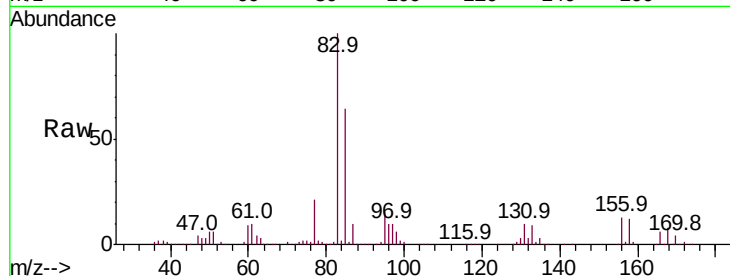
Tot Ion: 83 Resp: 787069

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

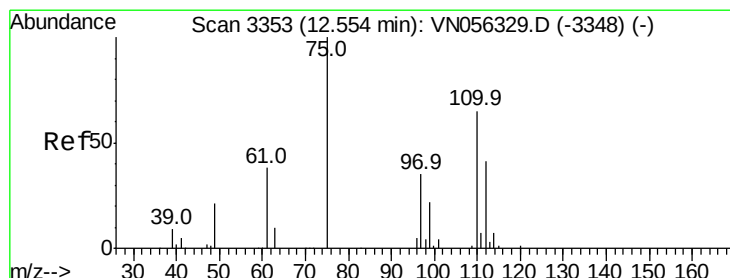
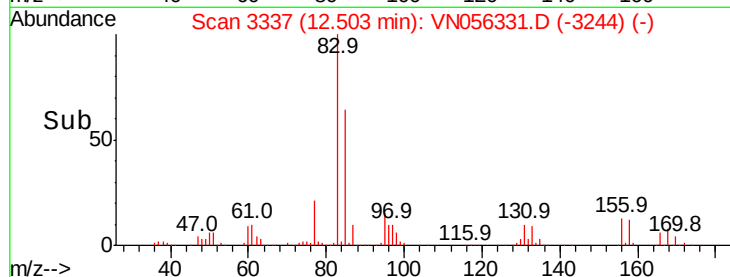
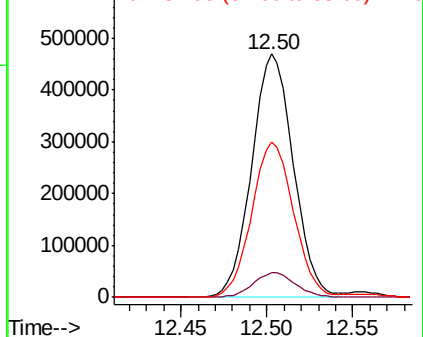
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 110.409 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056331.D

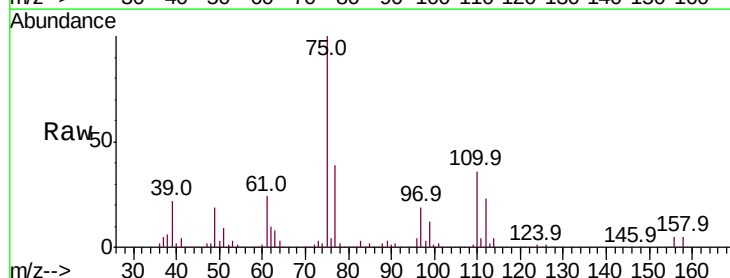
Acq: 17 Jun 2019 10:48

Tgt Ion: 75 Resp: 642326

Ion Ratio Lower Upper

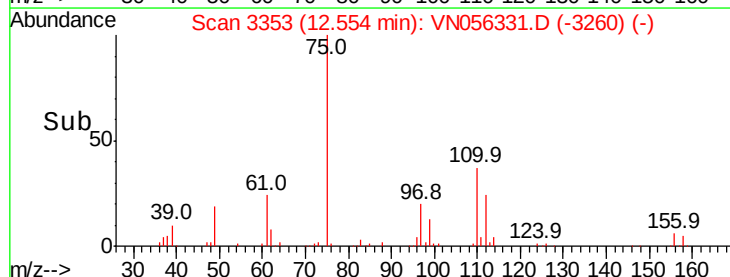
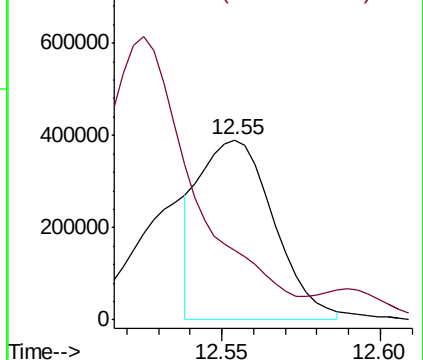
75 100

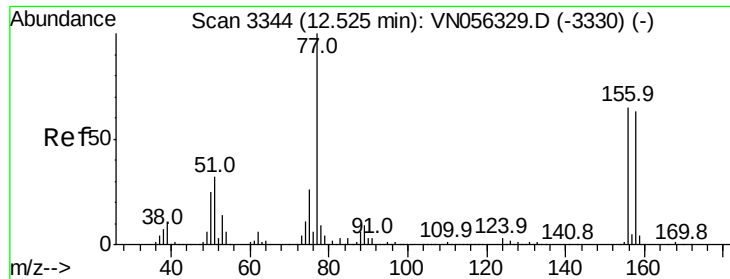
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 105.016 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

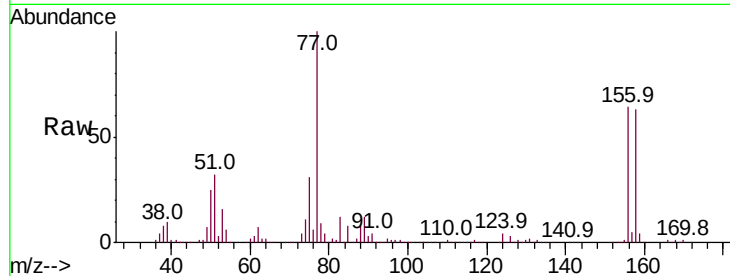
Tot Ion:156 Resp: 678192

Ion Ratio Lower Upper

156 100

77 187.8 92.9 278.7

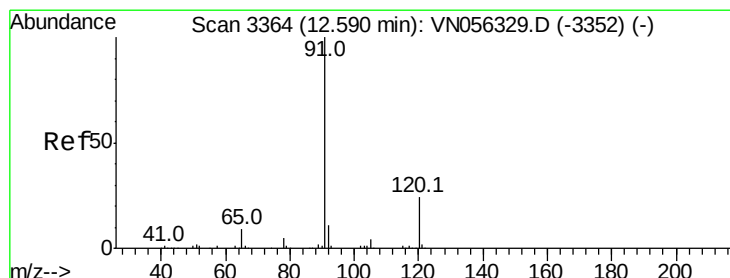
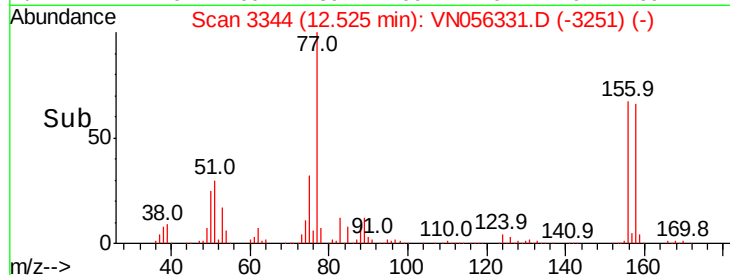
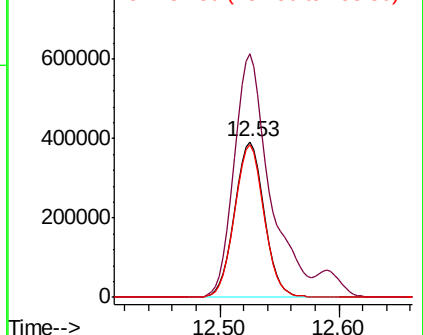
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 110.062 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056331.D

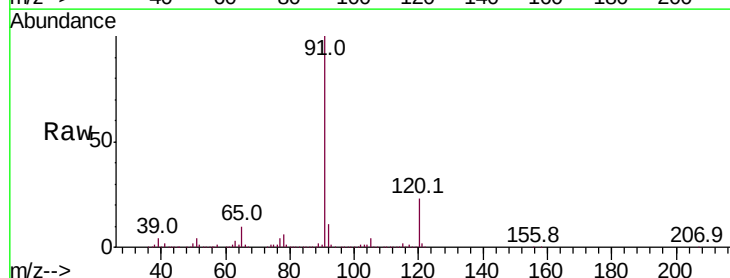
Acq: 17 Jun 2019 10:48

Tgt Ion: 91 Resp: 2877389

Ion Ratio Lower Upper

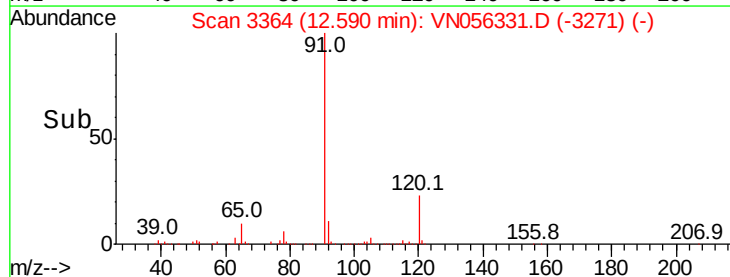
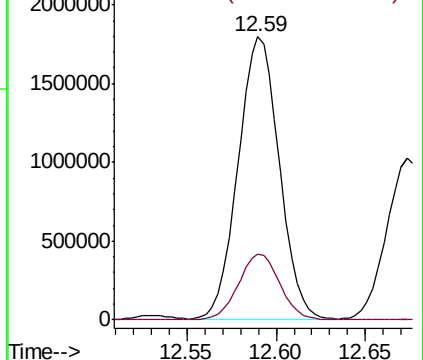
91 100

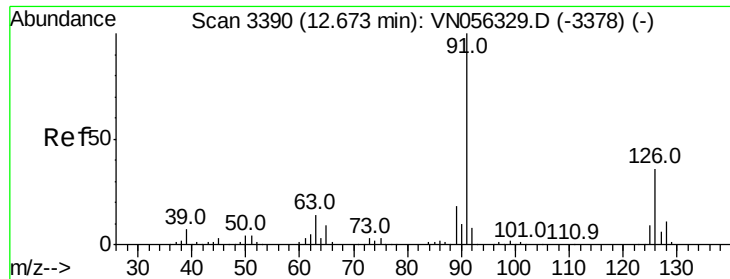
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

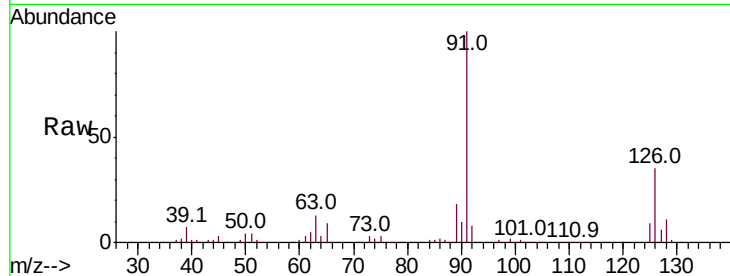
VSTDIC150

Tot Ion: 91 Resp: 1682155

Ion Ratio Lower Upper

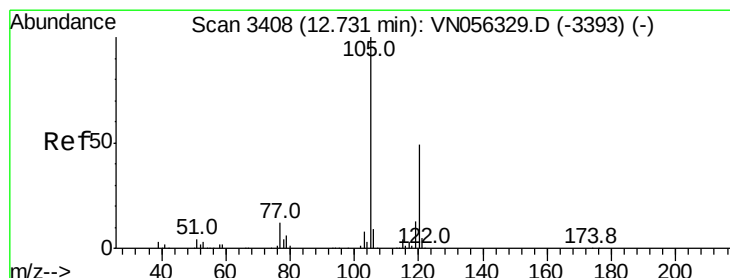
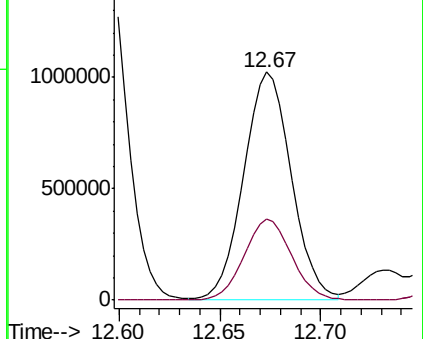
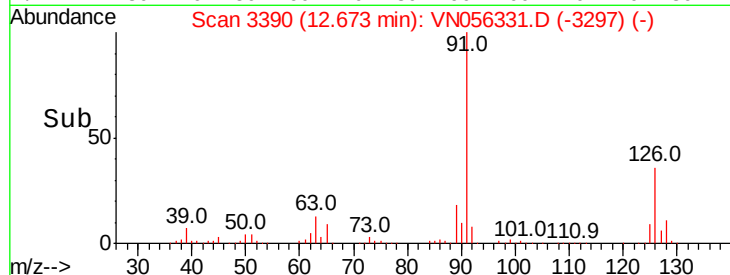
91 100

126 35.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN056331.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056331.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 105.451 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056331.D

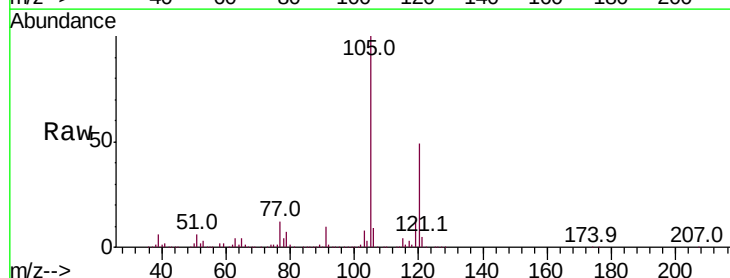
Acq: 17 Jun 2019 10:48

Tgt Ion:105 Resp: 2148463

Ion Ratio Lower Upper

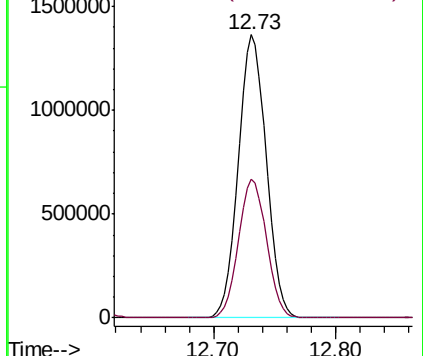
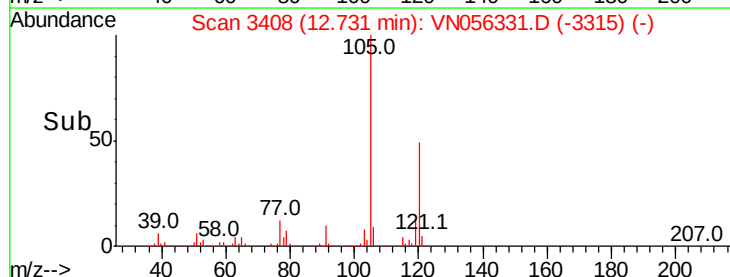
105 100

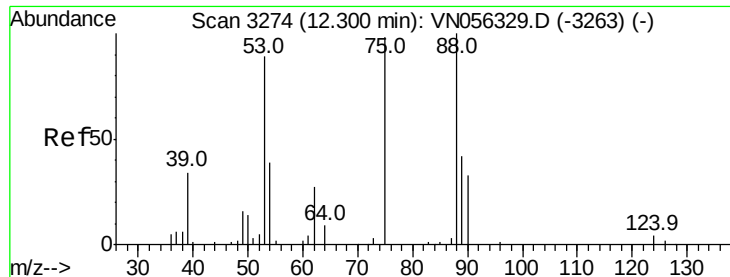
120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056331.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056331.D (-3315) (-)

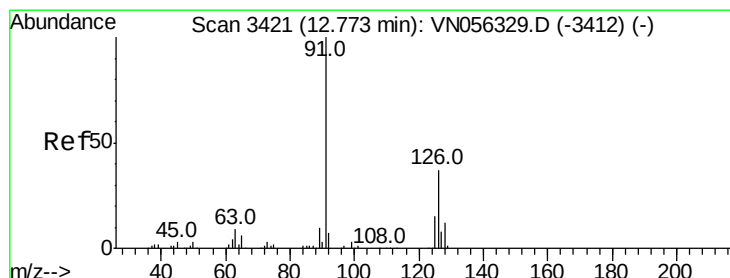
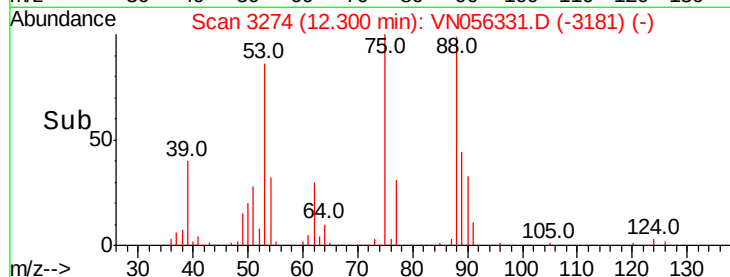
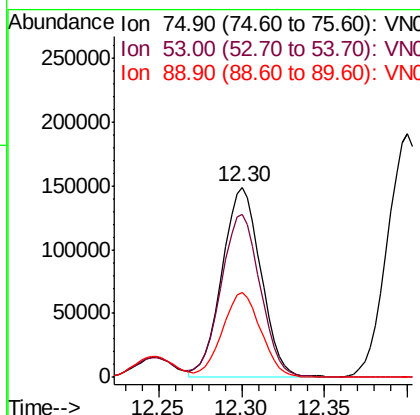
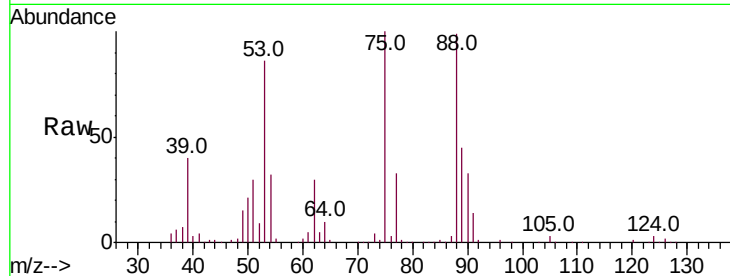




#81
trans-1,4-Dichloro-2-butene
Concen: 123.119 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

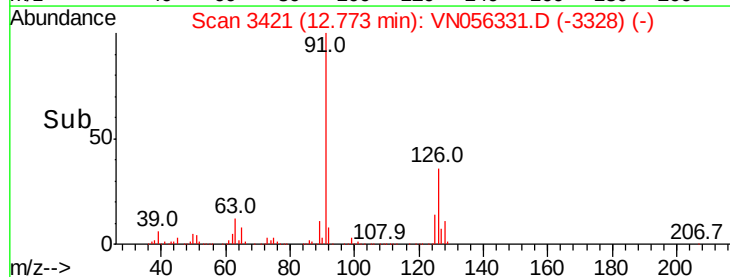
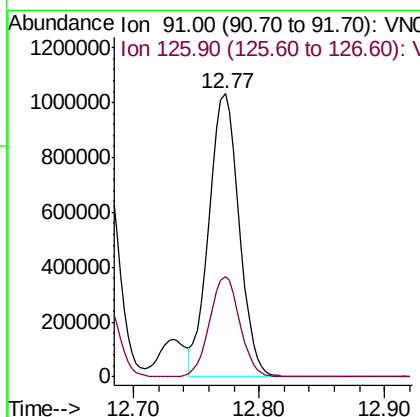
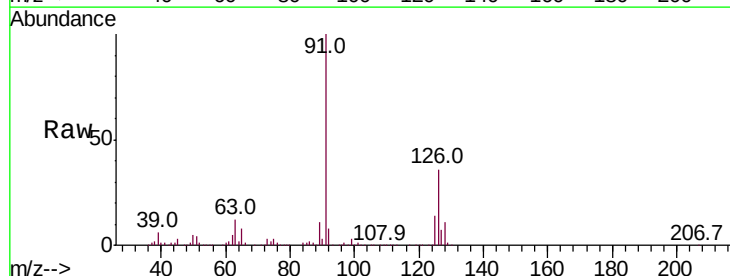
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

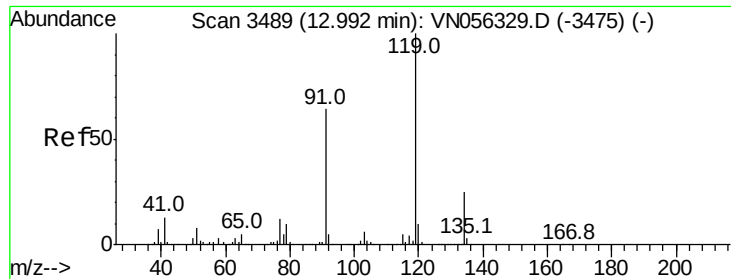
Tot Ion: 75 Resp: 241217
Ion Ratio Lower Upper
75 100
53 87.9 73.5 110.3
89 44.6 35.4 53.2



#82
4-Chlorotoluene
Concen: 112.652 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056331.D
Acq: 17 Jun 2019 10:48

Tgt Ion: 91 Resp: 1727184
Ion Ratio Lower Upper
91 100
126 35.4 17.6 52.8



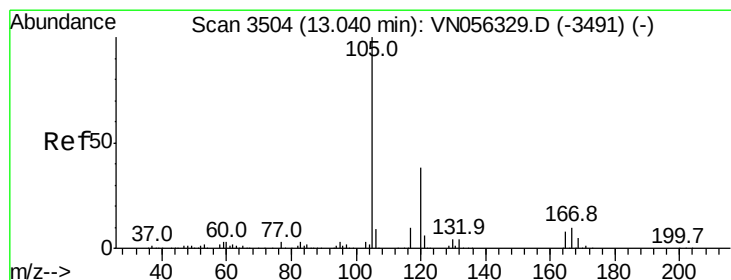
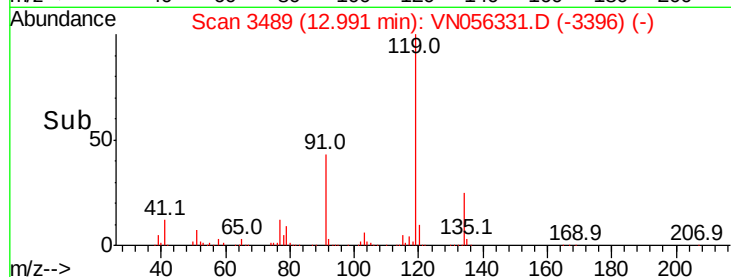
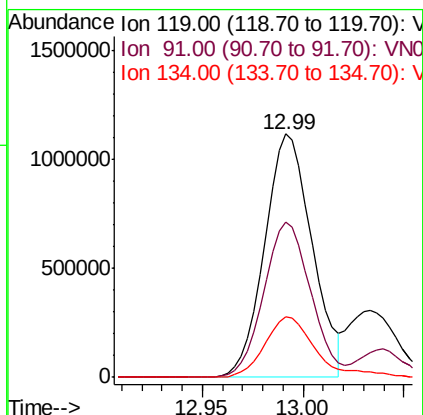
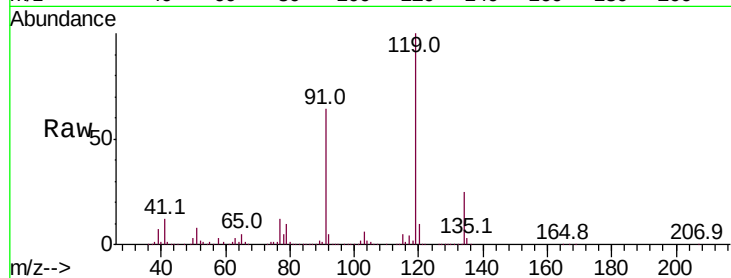


#83
 tert-Butylbenzene
 Concen: 102.368 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1827277

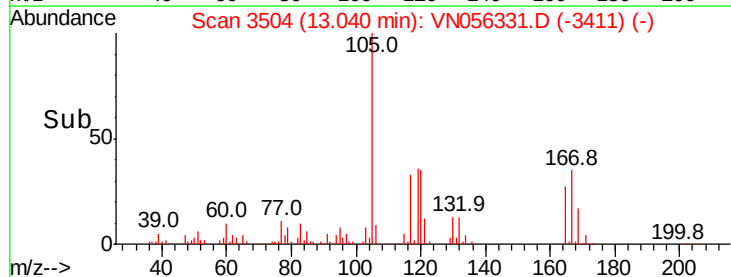
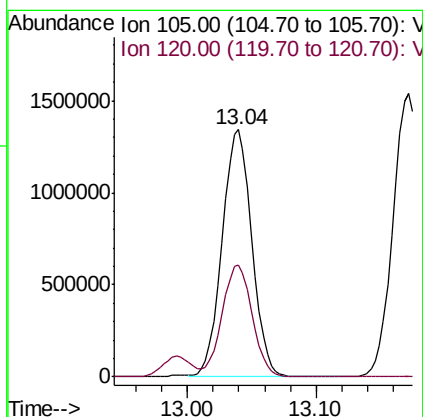
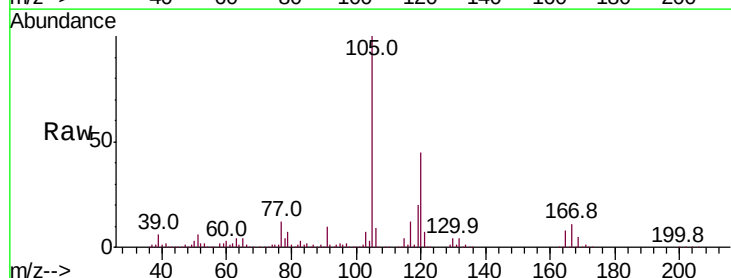
Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.5	94.5
134	26.6	13.6	40.7

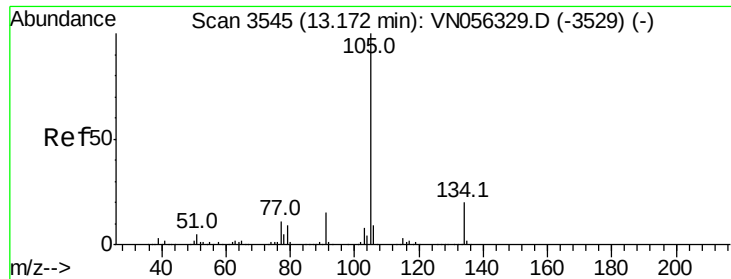


#84
 1,2,4-Trimethylbenzene
 Concen: 110.293 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Tgt Ion:105 Resp: 2135463

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 107.177 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

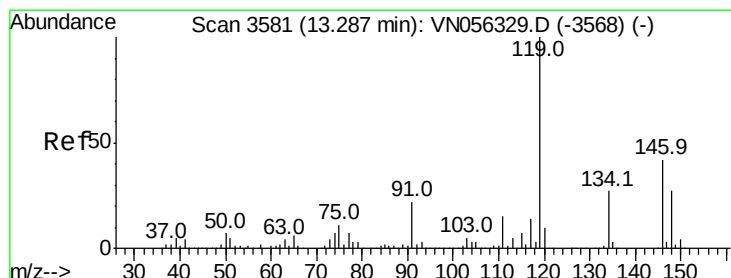
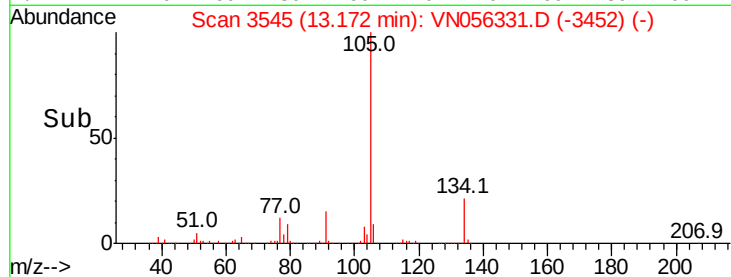
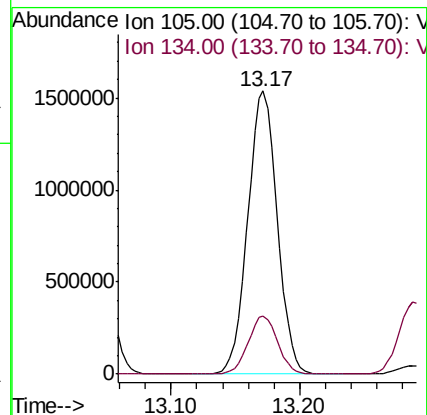
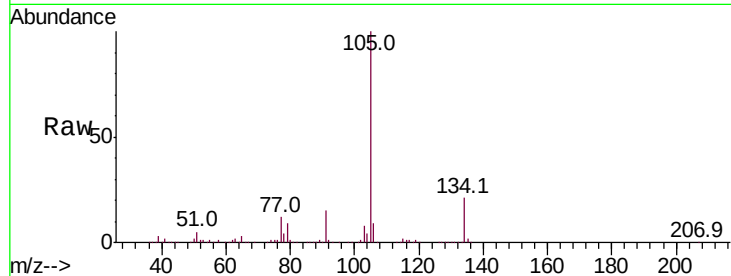
VSTDIC150

Tot Ion:105 Resp: 2445347

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.4



#86

p-Isopropyltoluene

Concen: 111.328 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

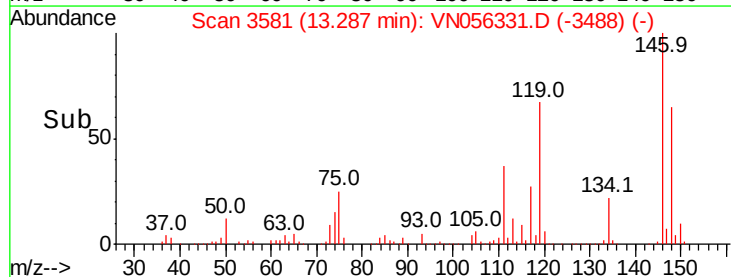
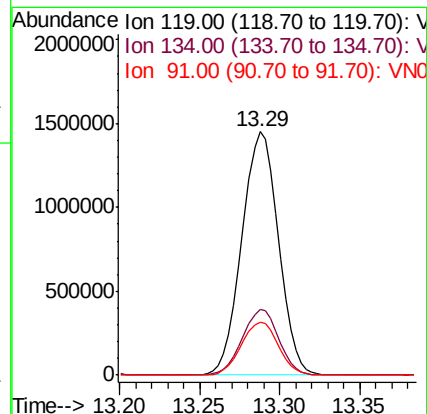
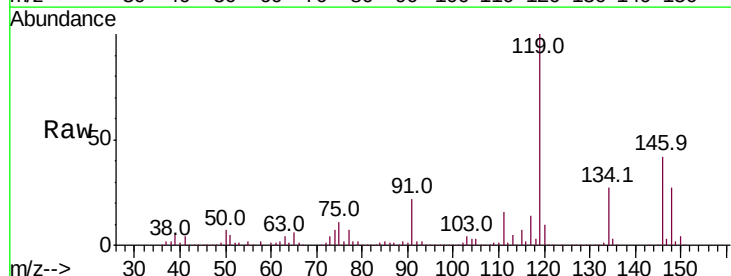
Tgt Ion:119 Resp: 2259026

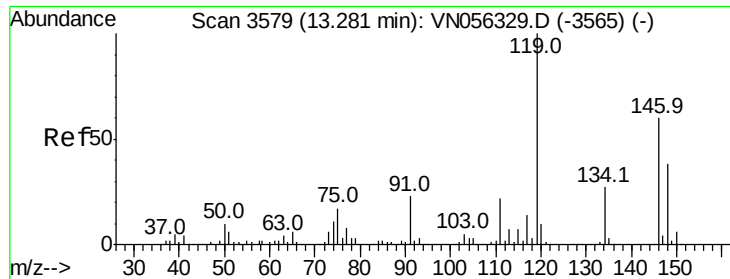
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 115.651 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

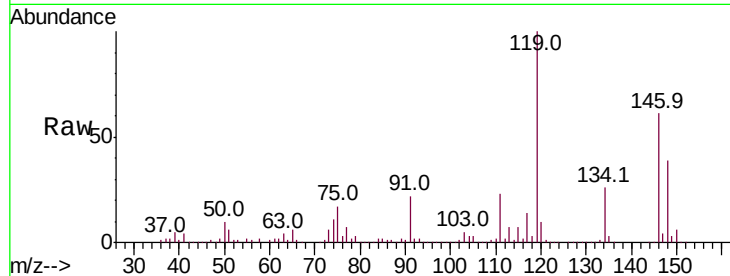
Tot Ion:146 Resp: 1166251

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.7

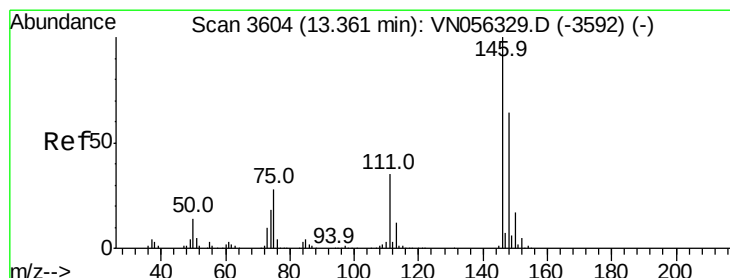
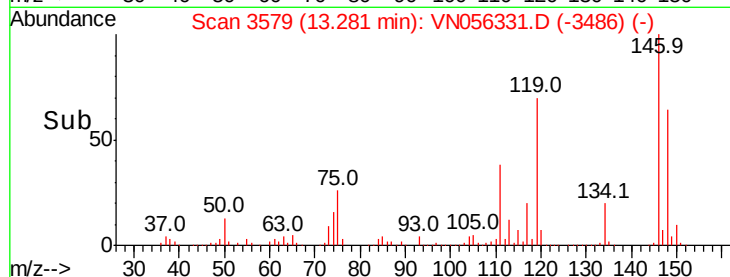
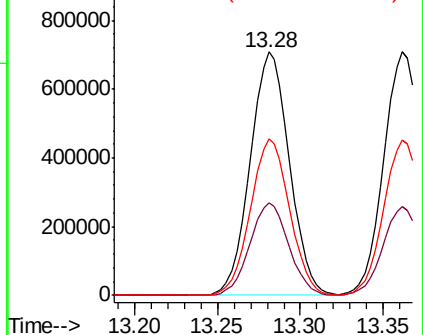
148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 118.677 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

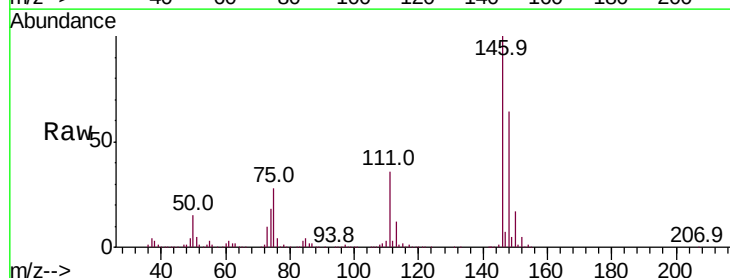
Tgt Ion:146 Resp: 1153551

Ion Ratio Lower Upper

146 100

111 36.4 18.1 54.1

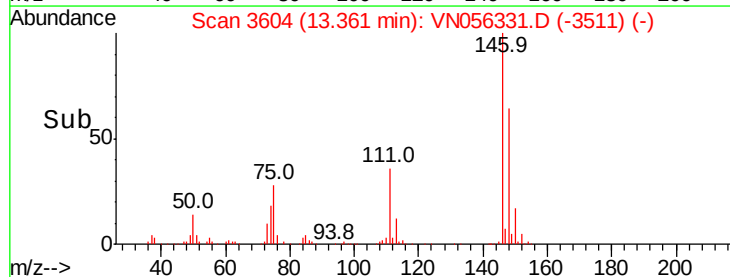
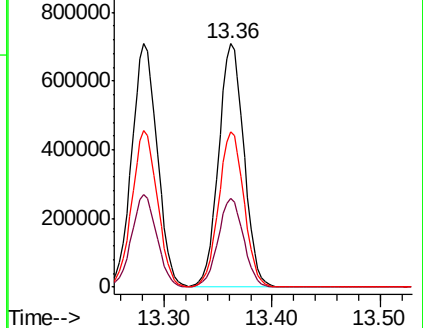
148 64.1 32.1 96.5

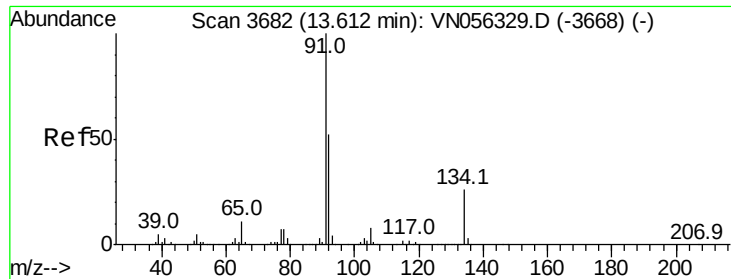


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 125.510 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

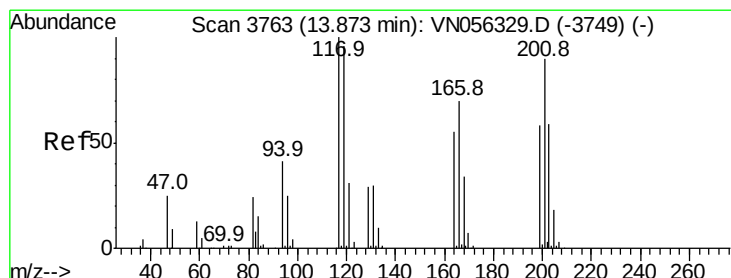
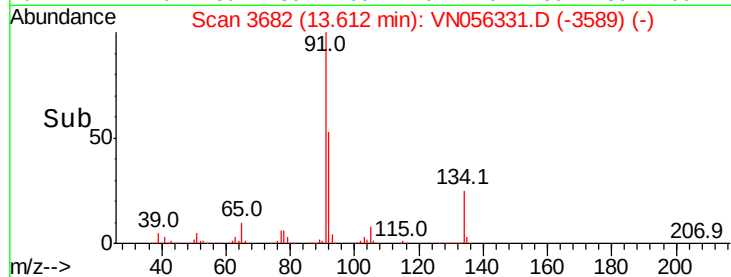
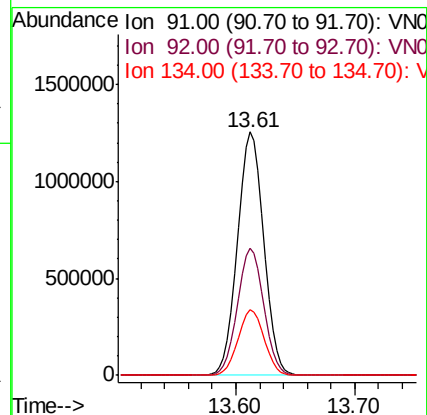
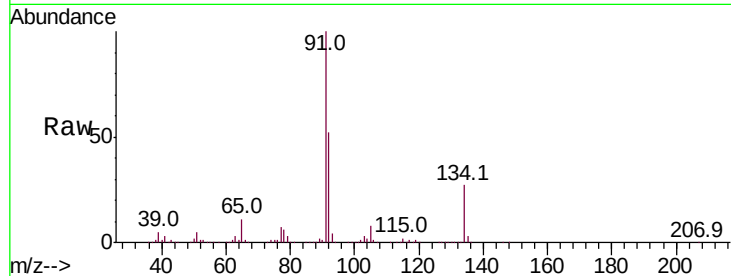
Tot Ion: 91 Resp: 1918233

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

134 26.8 13.2 39.5



#90

Hexachloroethane

Concen: 119.051 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056331.D

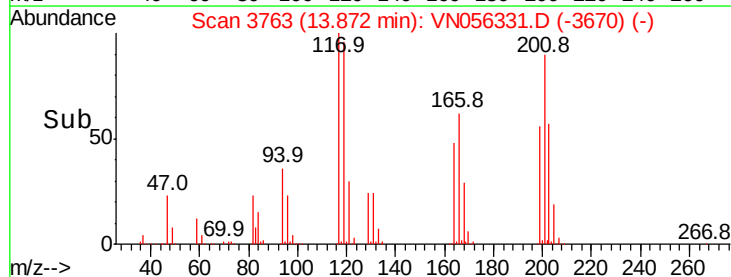
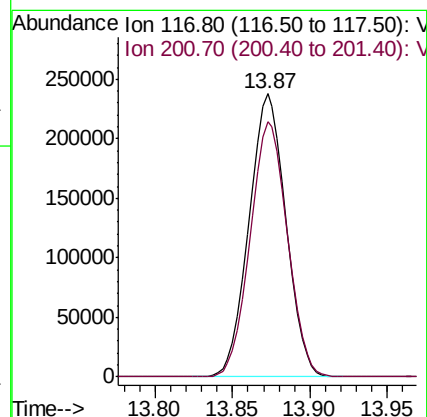
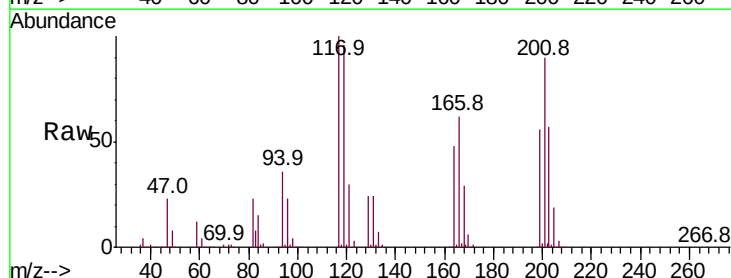
Acq: 17 Jun 2019 10:48

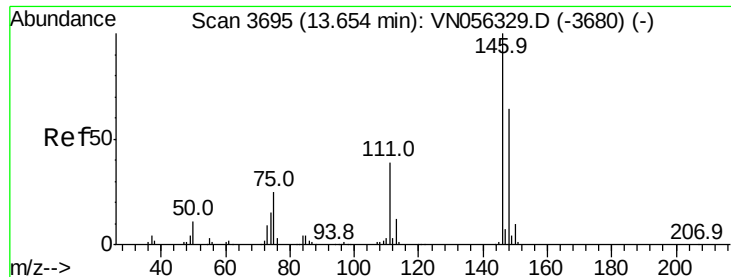
Tgt Ion: 117 Resp: 394495

Ion Ratio Lower Upper

117 100

201 90.9 45.8 137.3





#91

1,2-Dichlorobenzene

Concen: 113.189 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

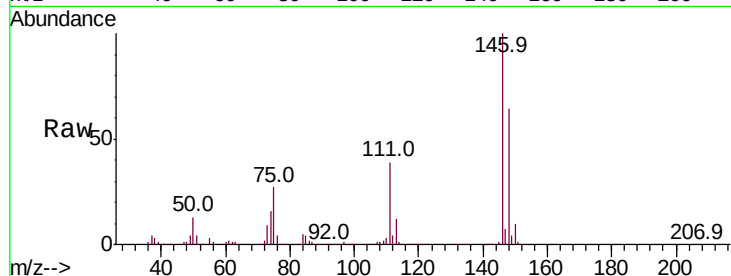
Tot Ion:146 Resp: 1140425

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

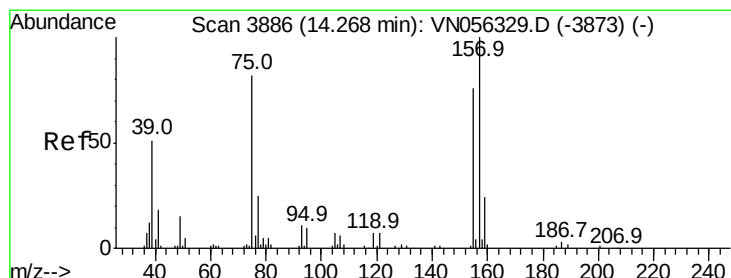
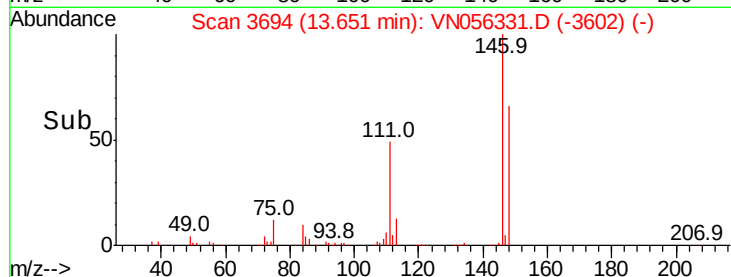
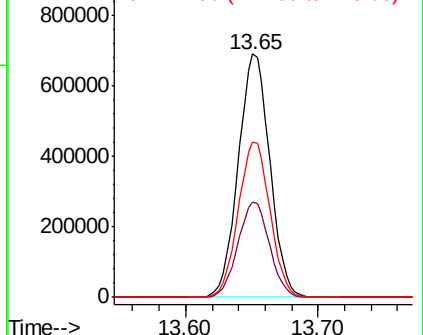
148 64.3 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 137.844 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

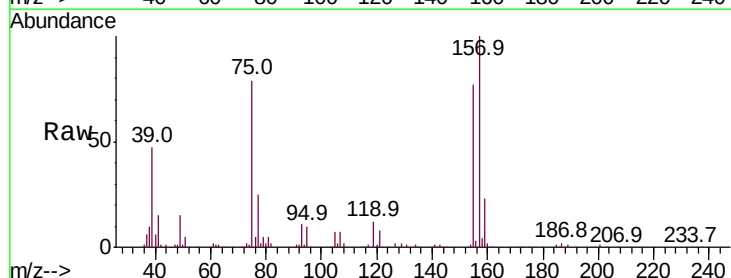
Tgt Ion: 75 Resp: 151532

Ion Ratio Lower Upper

75 100

155 97.0 47.8 143.4

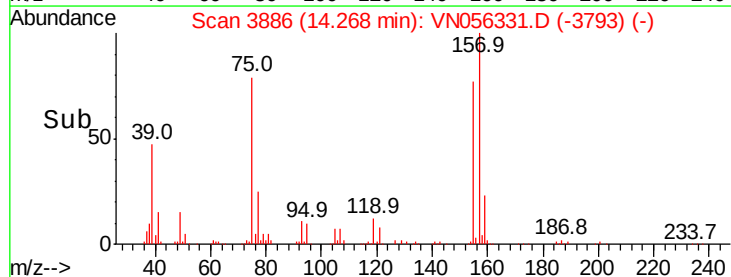
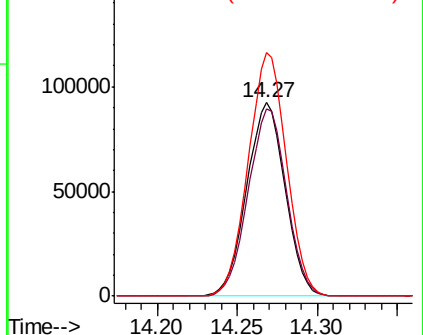
157 125.3 62.8 188.5

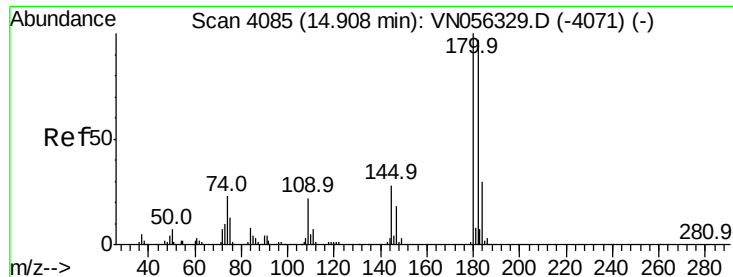


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

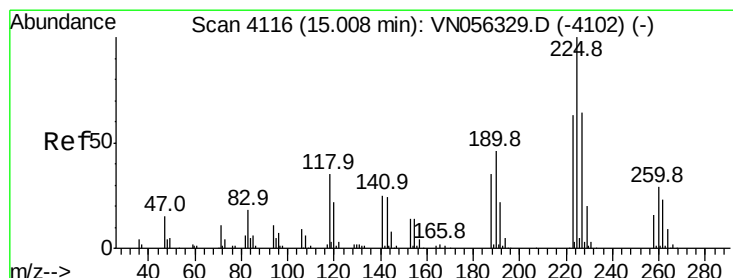
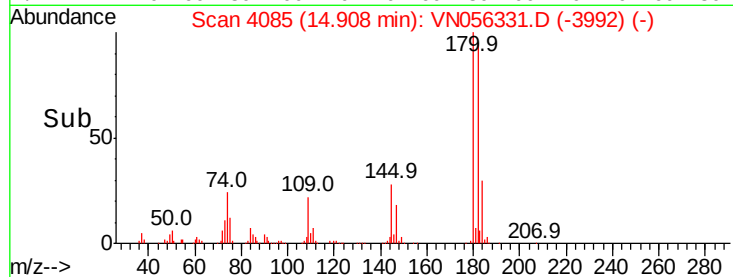
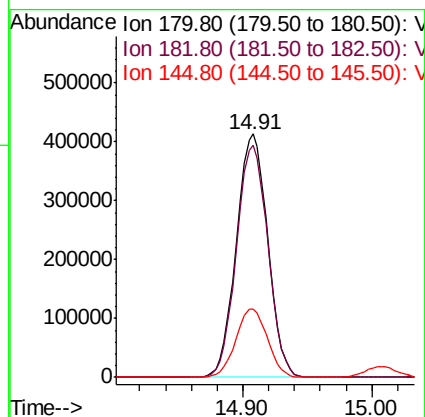
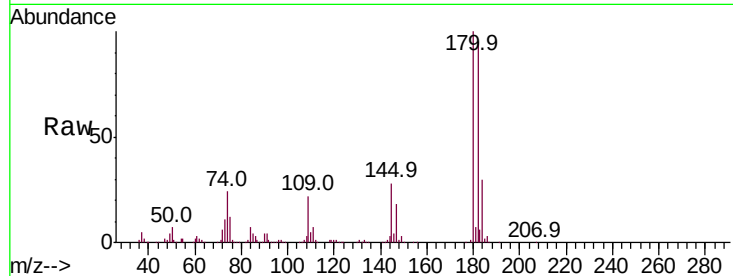




#93
 1,2,4-Trichlorobenzene
 Concen: 153.136 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

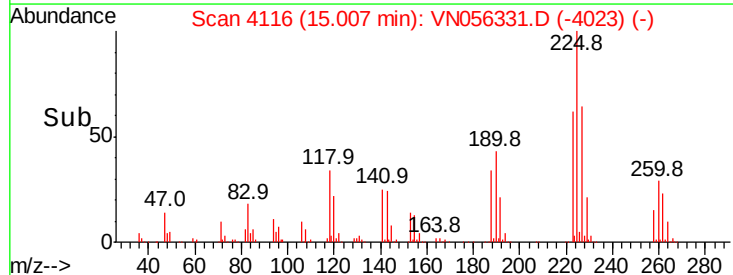
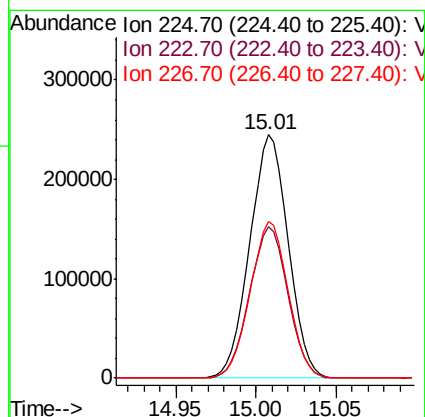
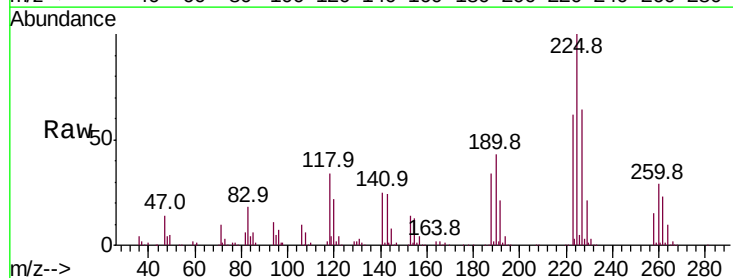
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

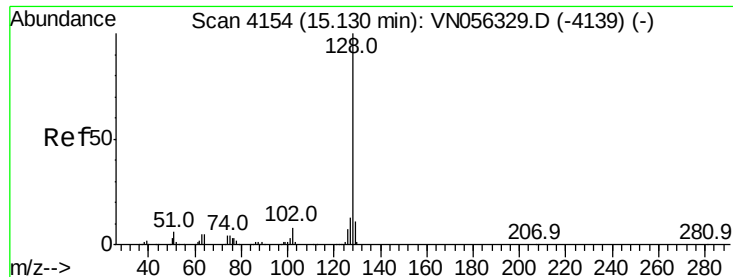
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	28.3	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 105.282 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056331.D
 Acq: 17 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.2	93.6
227	63.6	31.7	95.1





#95

Naphthalene

Concen: 151.582 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Instrument :

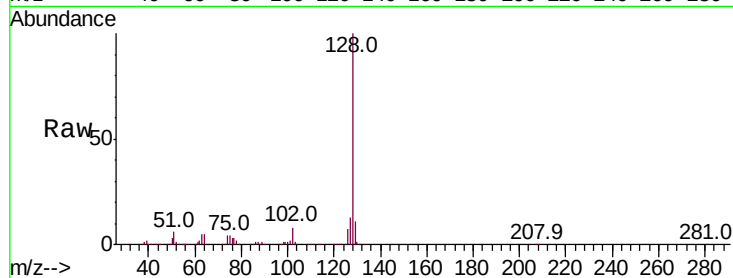
MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:128 Resp: 1823281

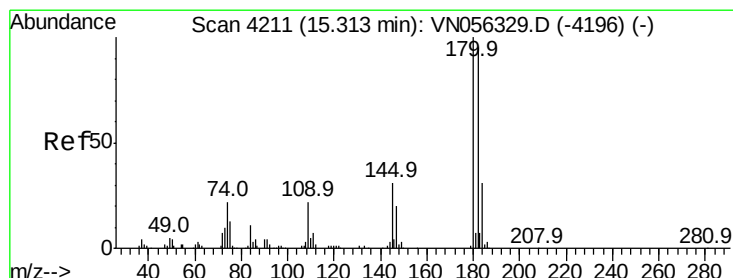
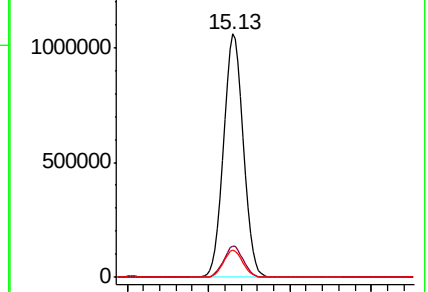
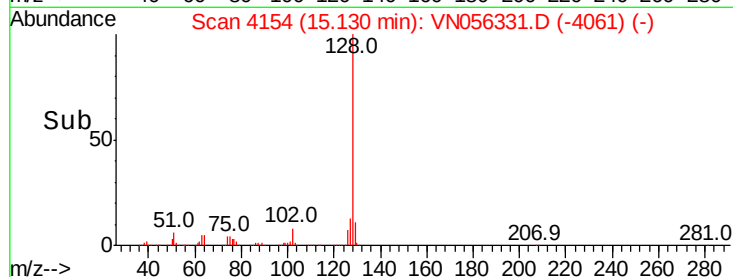
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 143.574 ug/l

RT: 15.31 min Scan# 4211

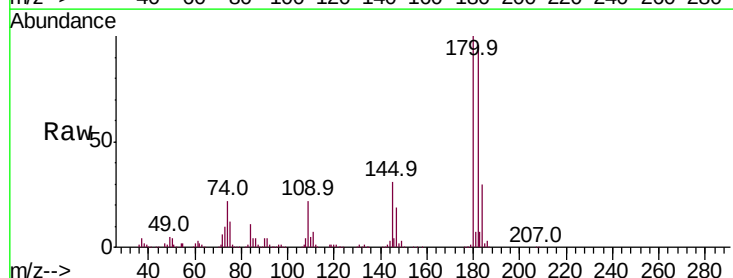
Delta R.T. -0.00 min

Lab File: VN056331.D

Acq: 17 Jun 2019 10:48

Tgt Ion:180 Resp: 707085

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	30.5	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

