

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056031.D
 Acq On : 6 Jun 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 06 17:52:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	462864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	156409	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.59	113	142224	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	547941	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	189422	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	175979	49.146	ug/l 100
3) Chloromethane	2.06	50	175918	49.784	ug/l 99
4) Vinyl Chloride	2.18	62	180142	50.822	ug/l 99
5) Bromomethane	2.52	94	108356	48.393	ug/l 100
6) Chloroethane	2.68	64	90153	43.867	ug/l 100
7) Trichlorofluoromethane	3.00	101	224404	49.592	ug/l 99
8) Diethyl Ether	3.40	74	89553	48.125	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	141224	51.377	ug/l 100
10) Methyl Iodide	3.94	142	203215	46.522	ug/l 99
11) Tert butyl alcohol	4.81	59	131821	234.033	ug/l 100
12) 1,1-Dichloroethene	3.72	96	136395	49.842	ug/l 97
13) Acrolein	3.60	56	30605	188.399	ug/l 99
14) Allyl chloride	4.31	41	213987	49.521	ug/l 100
15) Acrylonitrile	4.99	53	349392	254.821	ug/l 100
16) Acetone	3.82	43	412649	266.566	ug/l 100
17) Carbon Disulfide	4.03	76	320760	48.954	ug/l 100
18) Methyl Acetate	4.32	43	152058	50.007	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	432376	49.568	ug/l 100
20) Methylene Chloride	4.54	84	155152	48.648	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	144473	49.273	ug/l 98
22) Diisopropyl ether	5.95	45	444700	49.785	ug/l 99
23) Vinyl Acetate	5.89	43	1816238	258.196	ug/l 100
24) 1,1-Dichloroethane	5.84	63	256839	49.847	ug/l 99
25) 2-Butanone	6.84	43	512734	262.152	ug/l 100
26) 2,2-Dichloropropane	6.82	77	200521	49.873	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	170449	49.454	ug/l 98
28) Bromochloromethane	7.19	49	122340	50.208	ug/l 98
29) Tetrahydrofuran	7.21	42	298992	247.305	ug/l 98
30) Chloroform	7.36	83	257754	49.727	ug/l 100
31) Cyclohexane	7.65	56	246851	48.063	ug/l 97
32) 1,1,1-Trichloroethane	7.56	97	217574	50.266	ug/l 99
36) 1,1-Dichloropropene	7.79	75	200597	50.401	ug/l 99
37) Ethyl Acetate	6.93	43	185903	52.497	ug/l 99
38) Carbon Tetrachloride	7.77	117	183888	50.115	ug/l 99

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 QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257005	51.837	ug/l	99
40) Benzene	8.04	78	615317	50.903	ug/l	99
41) Methacrylonitrile	7.17	41	88812	54.509	ug/l	97
42) 1,2-Dichloroethane	8.12	62	192595	49.532	ug/l	99
43) Isopropyl Acetate	8.16	43	293316	51.114	ug/l #	91
44) Trichloroethene	8.83	130	172407	49.635	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159783	51.605	ug/l	100
46) Dibromomethane	9.21	93	103412	51.074	ug/l	99
47) Bromodichloromethane	9.40	83	191509	52.187	ug/l	99
48) Methyl methacrylate	9.20	41	142123	50.624	ug/l	97
49) 1,4-Dioxane	9.20	88	62072	1024.145	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	915161	255.024	ug/l	99
52) Toluene	10.15	92	389234	51.746	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	204786	47.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238701	54.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	152977	51.342	ug/l	99
56) Ethyl methacrylate	10.43	69	229341	52.760	ug/l	100
57) 1,3-Dichloropropane	10.71	76	250200	51.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	406176	236.526	ug/l	100
59) 2-Hexanone	10.75	43	673320	258.881	ug/l	99
60) Dibromochloromethane	10.90	129	155258	47.381	ug/l	99
61) 1,2-Dibromoethane	11.00	107	158145	51.918	ug/l	98
64) Tetrachloroethene	10.63	164	172742	47.401	ug/l	98
65) Chlorobenzene	11.43	112	415761	49.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147782	51.081	ug/l	99
67) Ethyl Benzene	11.51	91	735953	50.514	ug/l	99
68) m/p-Xylenes	11.62	106	570705	102.540	ug/l	98
69) o-Xylene	11.95	106	276529	50.510	ug/l	99
70) Styrene	11.96	104	461465	53.051	ug/l	99
71) Bromoform	12.13	173	110032	45.558	ug/l #	100
73) Isopropylbenzene	12.25	105	732897	53.134	ug/l	100
74) N-amyl acetate	12.07	43	249948	48.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	207776	46.121	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	248136	69.490	ug/l #	100
77) Bromobenzene	12.52	156	194173	46.734	ug/l	97
78) n-propylbenzene	12.59	91	800290	48.746	ug/l	99
79) 2-Chlorotoluene	12.67	91	475380	52.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	616676	47.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54043	50.401	ug/l	93
82) 4-Chlorotoluene	12.77	91	470661	49.002	ug/l	100
83) tert-Butylbenzene	12.99	119	532186	52.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	608777	49.201	ug/l	100
85) sec-Butylbenzene	13.17	105	697645	47.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	646988	49.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	321868	50.054	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	309510	50.035	ug/l	99
89) n-Butylbenzene	13.61	91	503758	52.262	ug/l	100
90) Hexachloroethane	13.87	117	96683	49.269	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	314803	48.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32601	50.595	ug/l	99

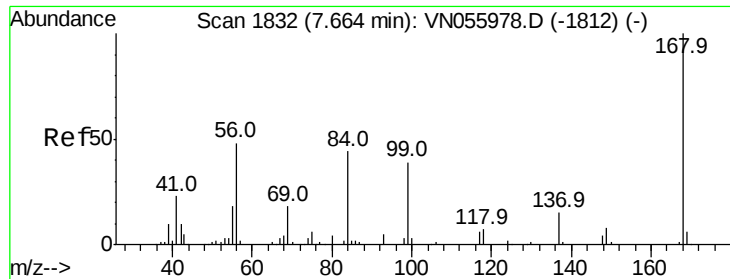
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159652	45.084	ug/l	99
94) Hexachlorobutadiene	15.01	225	118651	53.428	ug/l	99
95) Naphthalene	15.13	128	410442	44.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	169284	46.646	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

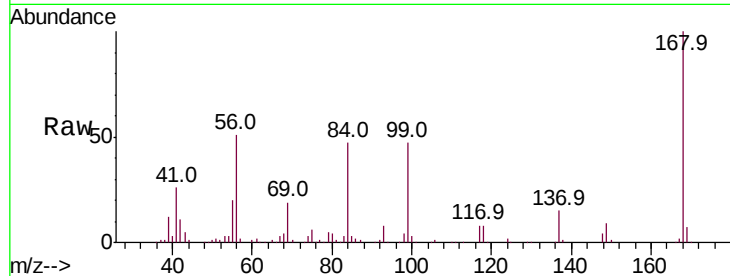
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 325980

Ion Ratio Lower Upper

168 100

99 46.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

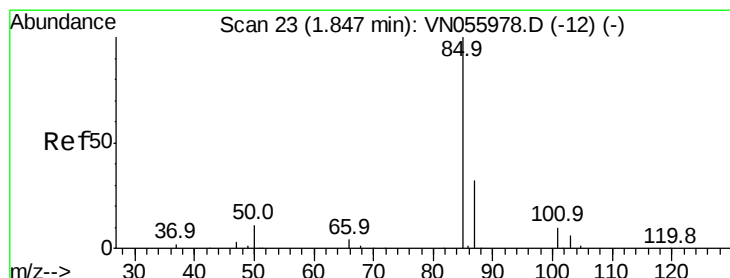
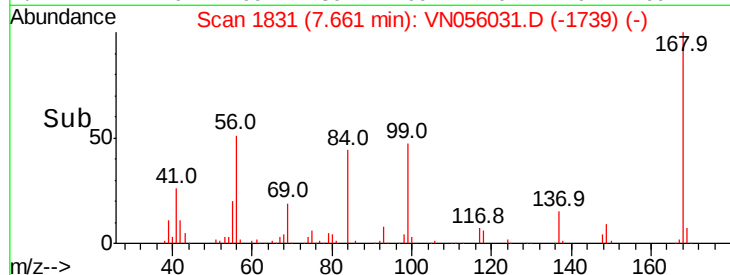
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.146 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056031.D

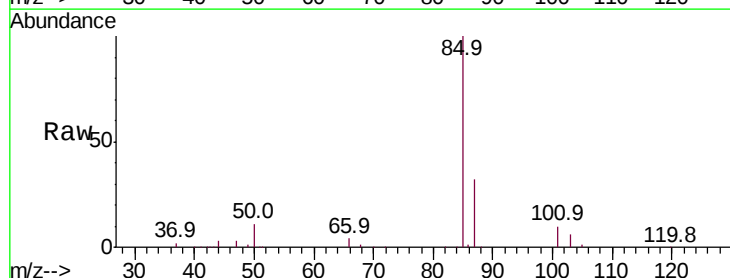
Acq: 6 Jun 2019 8:56

Tgt Ion: 85 Resp: 175979

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

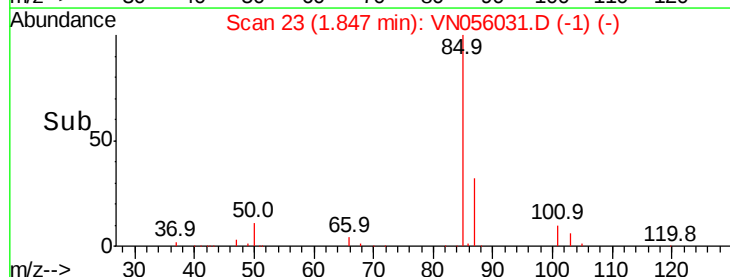
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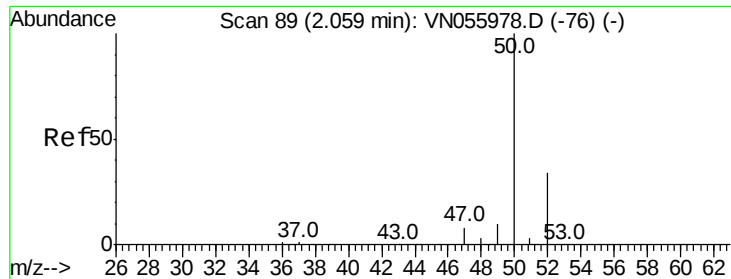
40000

20000

0

Time-->





#3

Chloromethane

Concen: 49.784 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

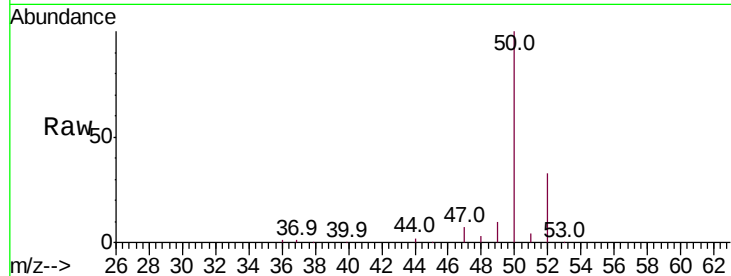
VSTDCCC050

Tot Ion: 50 Resp: 175918

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055978.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN055978.D (-76) (-)

2.06

120000

100000

80000

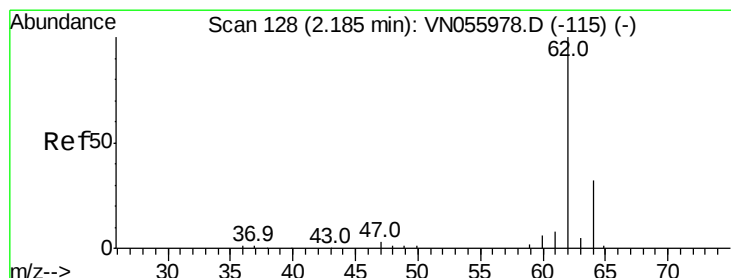
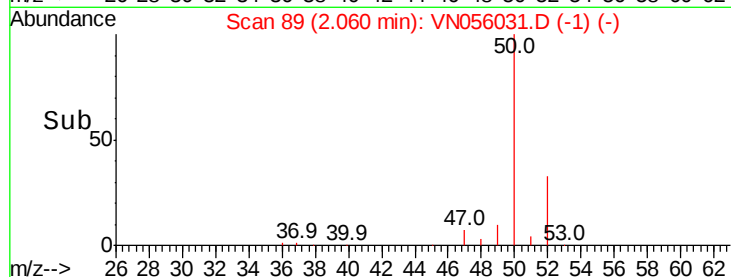
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.822 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056031.D

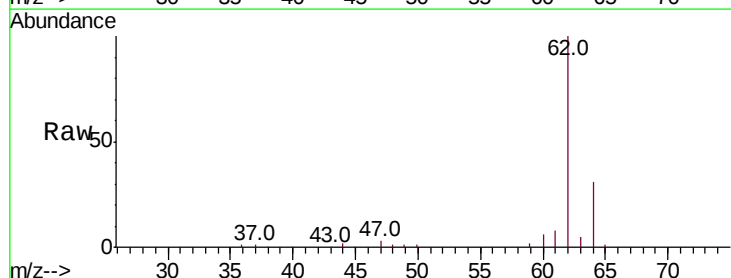
Acq: 6 Jun 2019 8:56

Tgt Ion: 62 Resp: 180142

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

120000

100000

80000

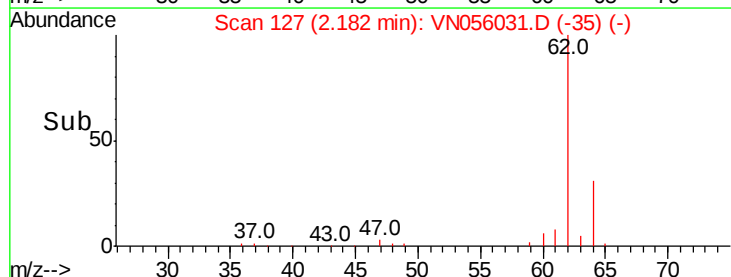
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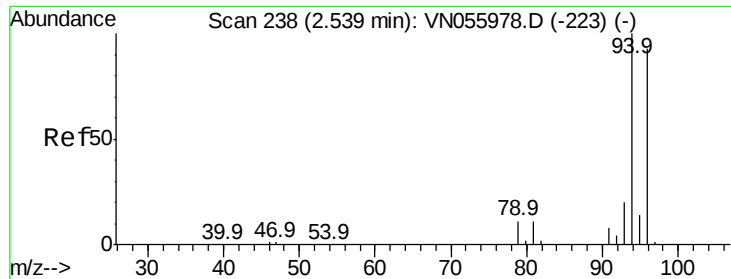
40000

20000

0

Time-->





#5

Bromomethane

Concen: 48.393 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

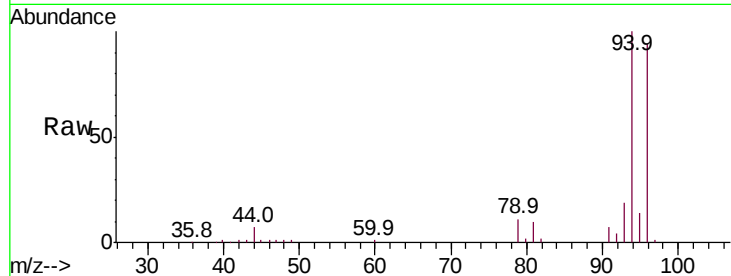
VSTDCCC050

Tot Ion: 94 Resp: 108356

Ion Ratio Lower Upper

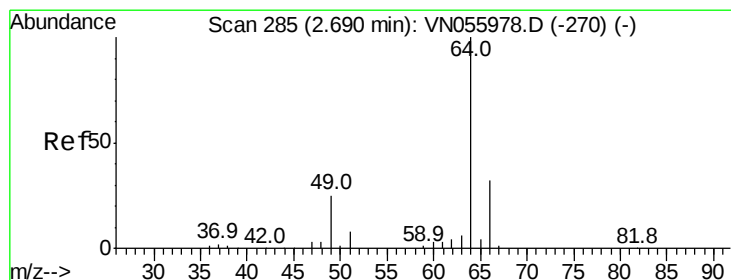
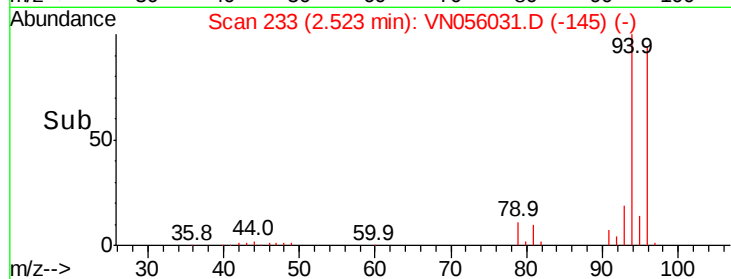
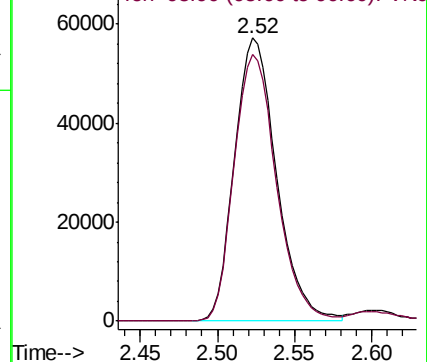
94 100

96 94.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.867 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056031.D

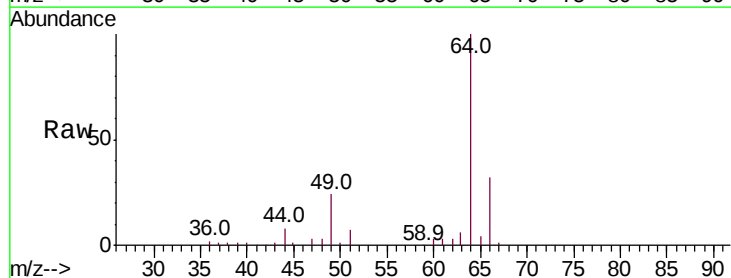
Acq: 6 Jun 2019 8:56

Tgt Ion: 64 Resp: 90153

Ion Ratio Lower Upper

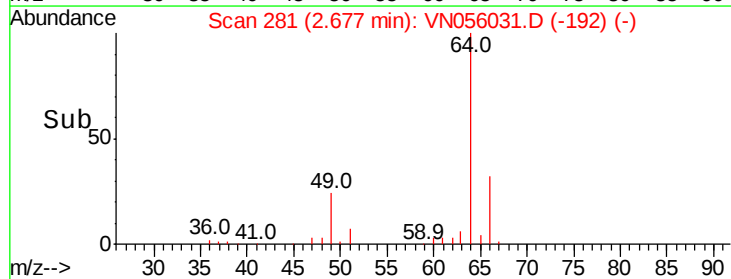
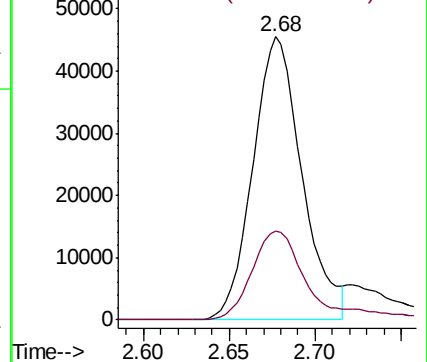
64 100

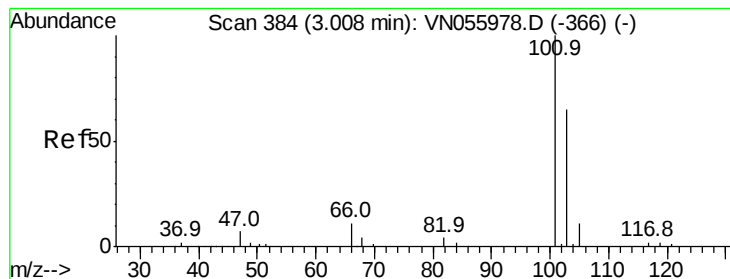
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



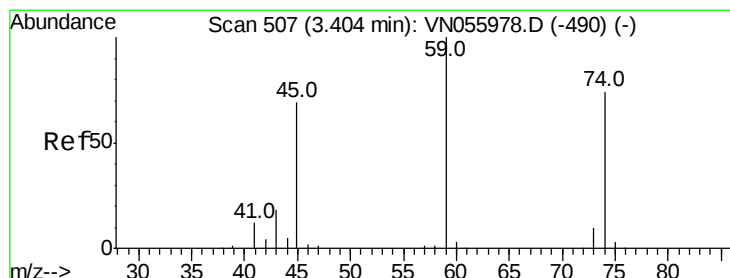
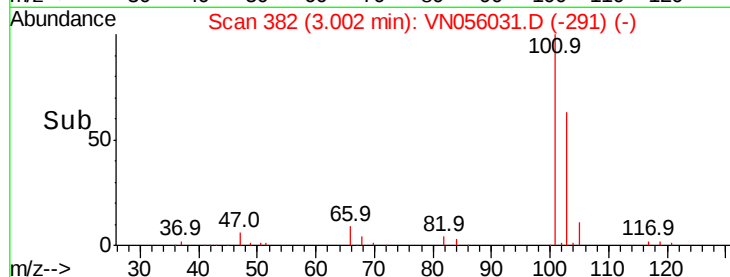
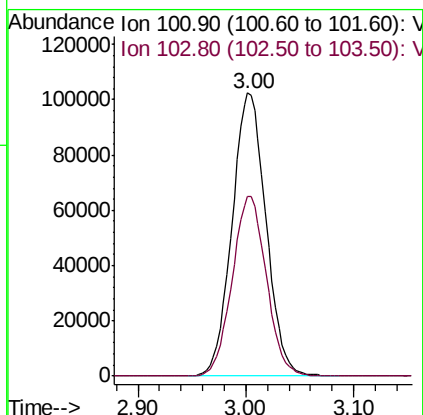
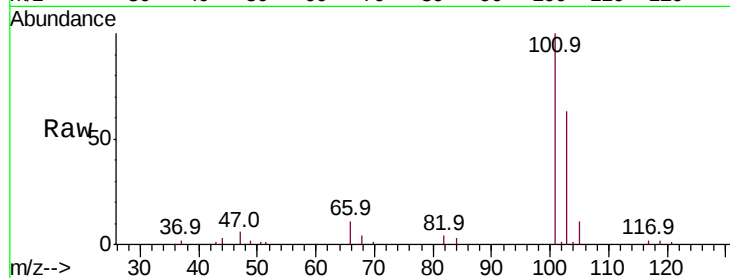


#7

Trichlorofluoromethane
 Concen: 49.592 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
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 VSTDCCC050

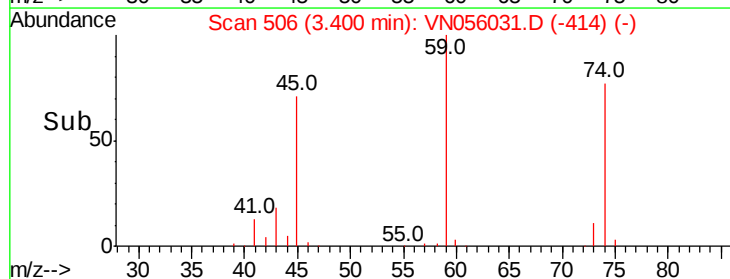
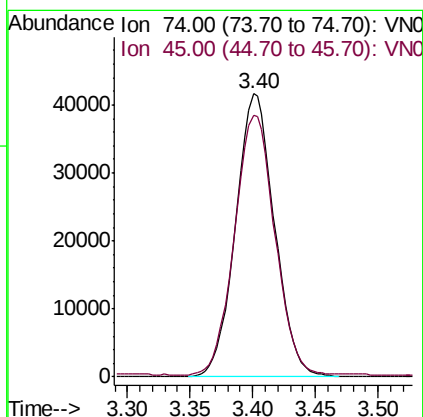
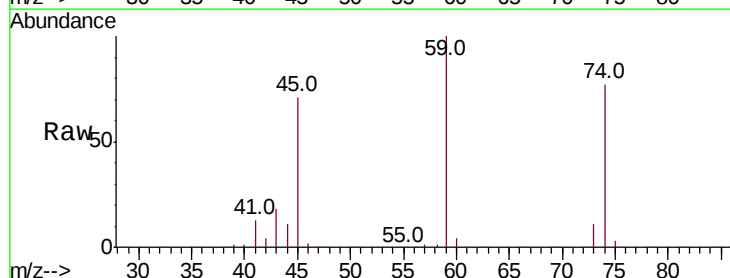
Tot Ion:101 Resp: 224404
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.2 76.8

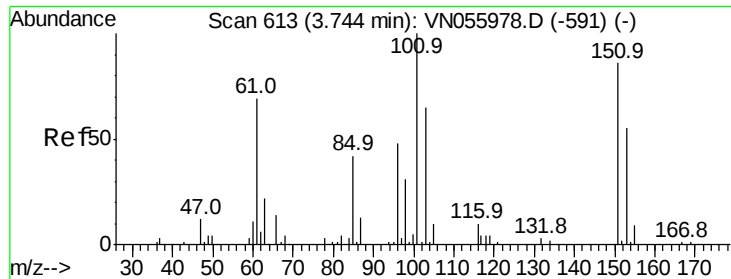


#8

Diethyl Ether
 Concen: 48.125 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 74 Resp: 89553
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.377 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

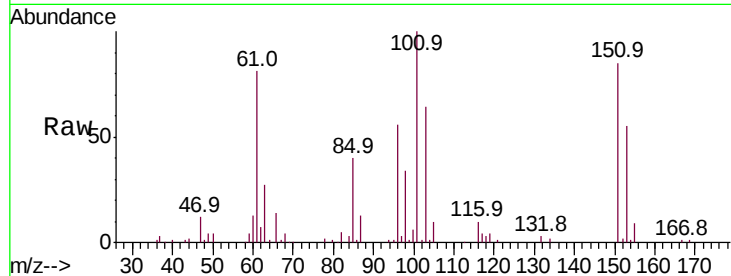
Tot Ion:101 Resp: 141224

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.2

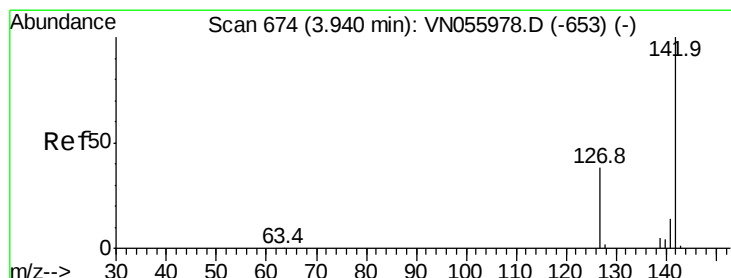
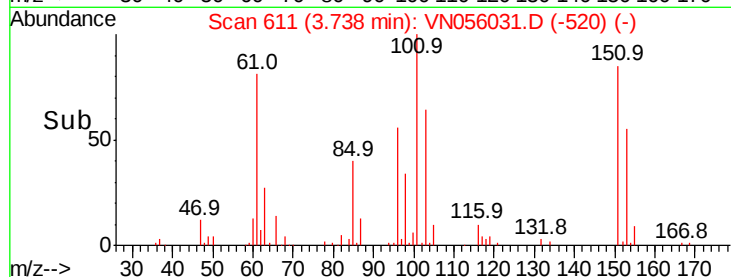
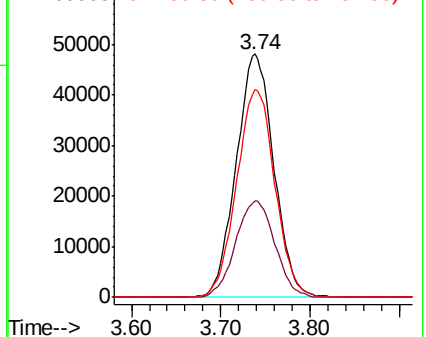
151 87.0 69.4 104.2



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: 46.522 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

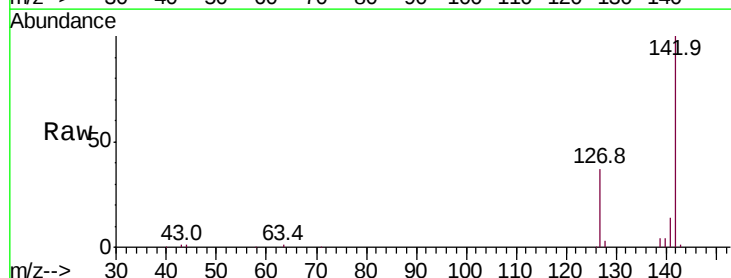
Tgt Ion:142 Resp: 203215

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

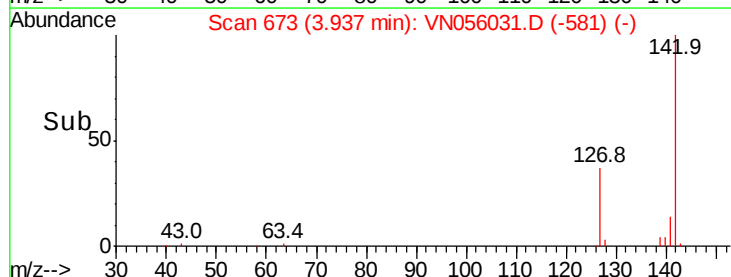
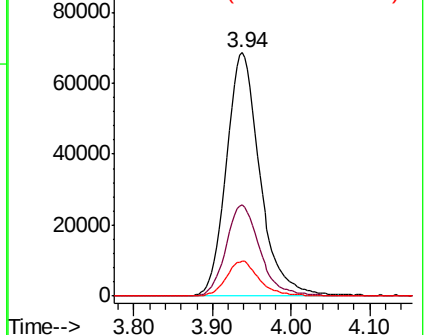
141 14.0 11.4 17.0

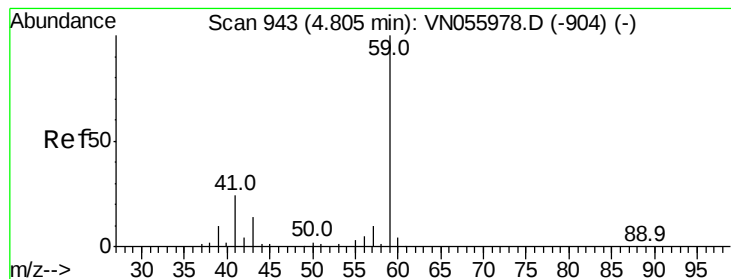


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



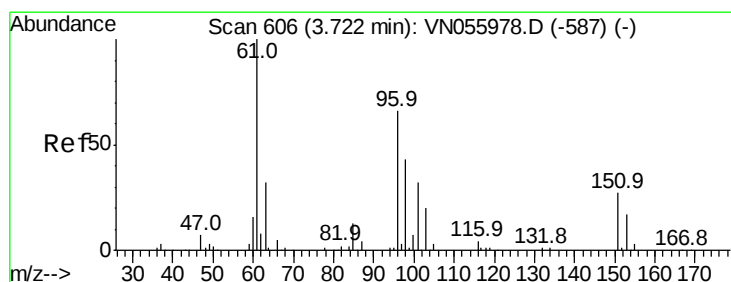
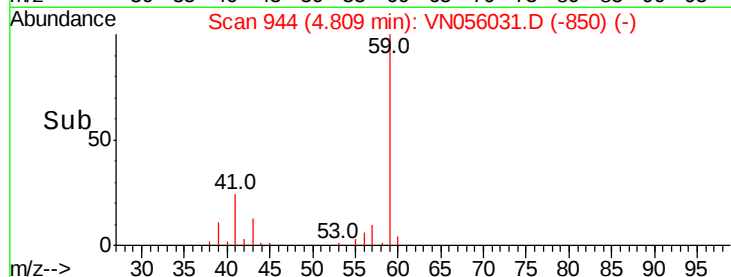
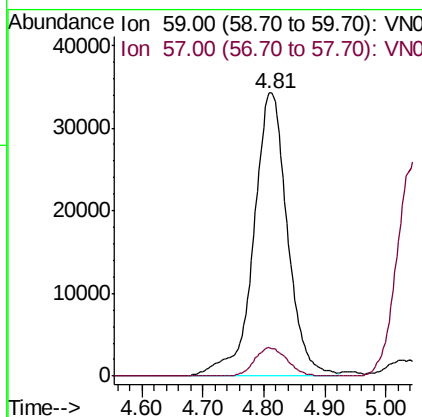
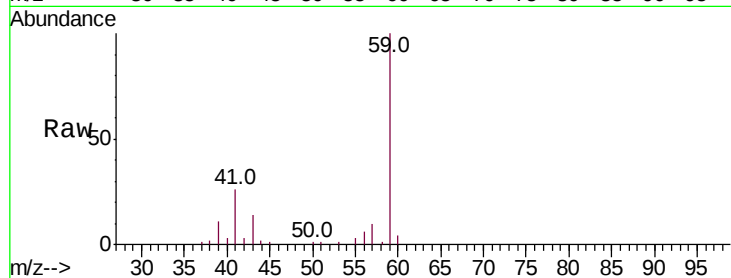


#11

Tert butyl alcohol
 Concen: 234.033 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

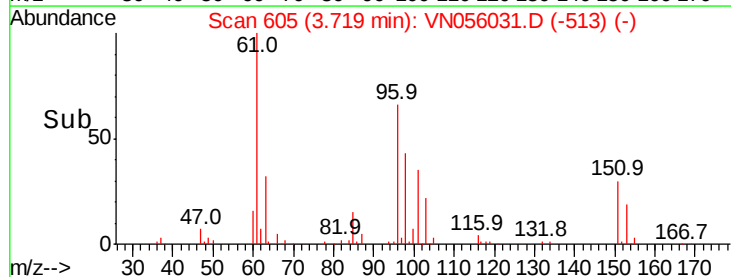
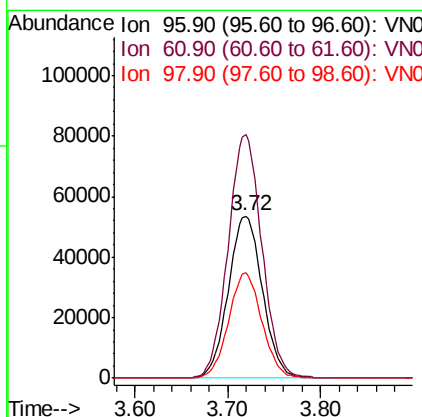
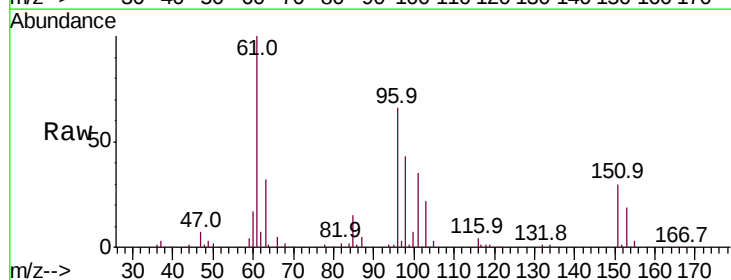
Tot Ion: 59 Resp: 131821
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

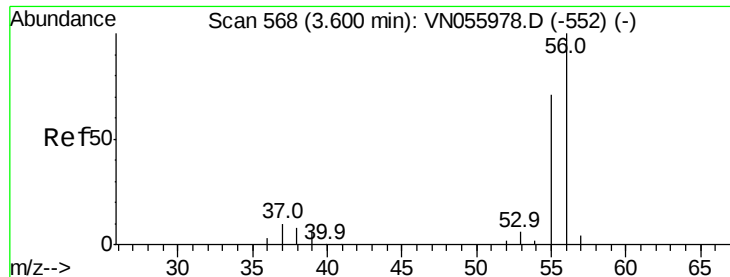


#12

1,1-Dichloroethene
 Concen: 49.842 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 96 Resp: 136395
 Ion Ratio Lower Upper
 96 100
 61 150.6 123.2 184.8
 98 64.9 50.4 75.6

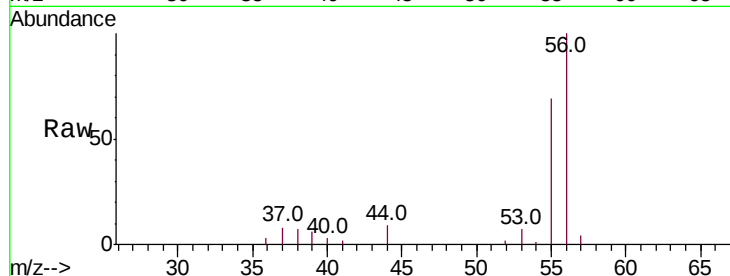




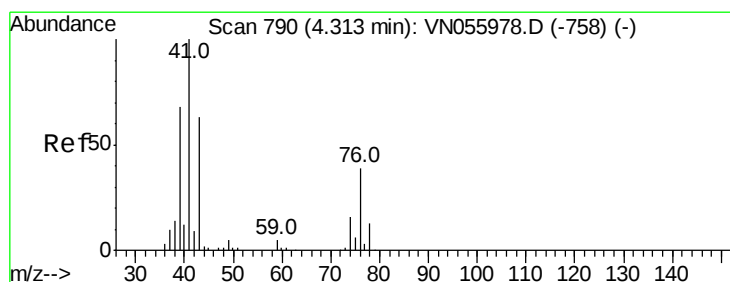
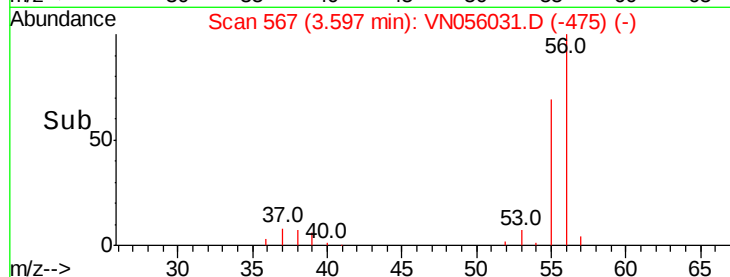
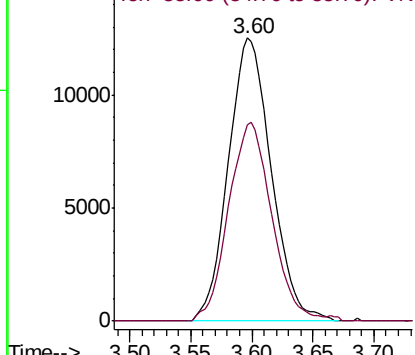
#13
Acrolein
Concen: 188.399 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 30605
Ion Ratio Lower Upper
56 100
55 70.5 55.4 83.2

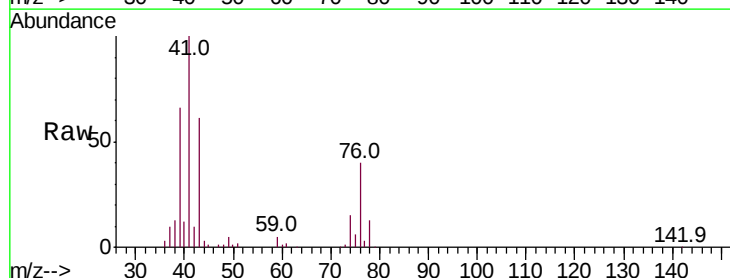


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

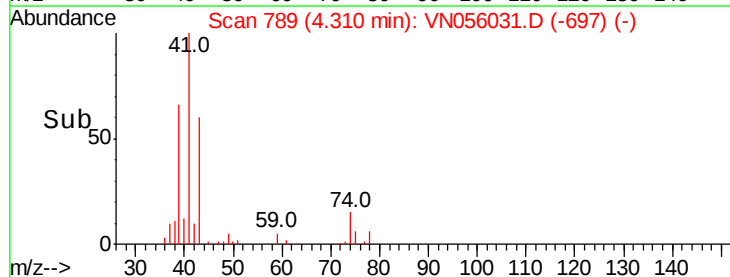
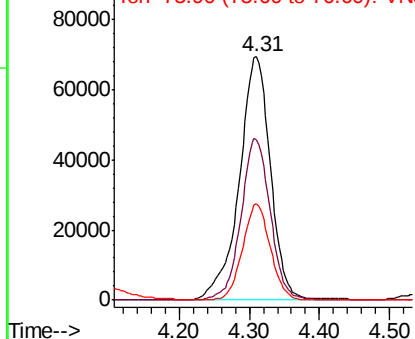


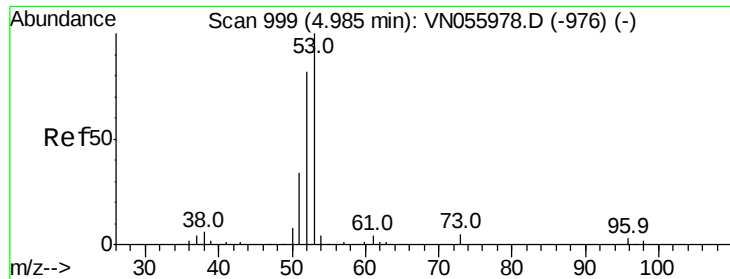
#14
Allyl chloride
Concen: 49.521 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 41 Resp: 213987
Ion Ratio Lower Upper
41 100
39 62.1 50.0 75.0
76 35.0 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 254.821 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

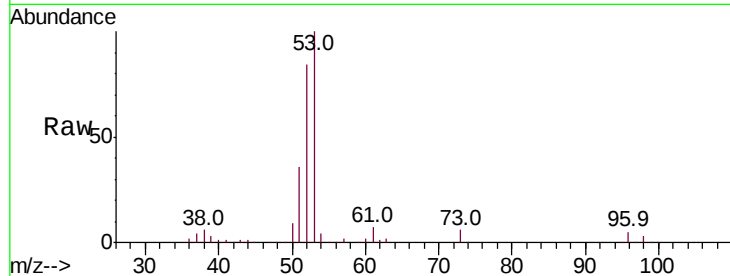
Tot Ion: 53 Resp: 349392

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.8

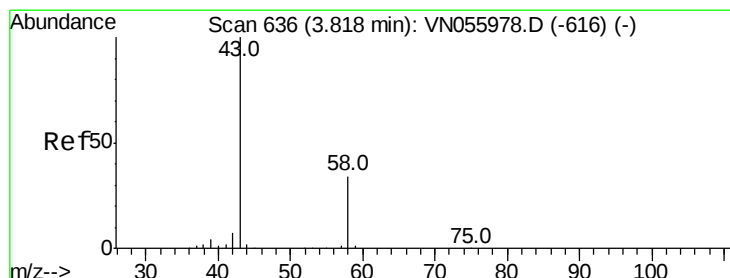
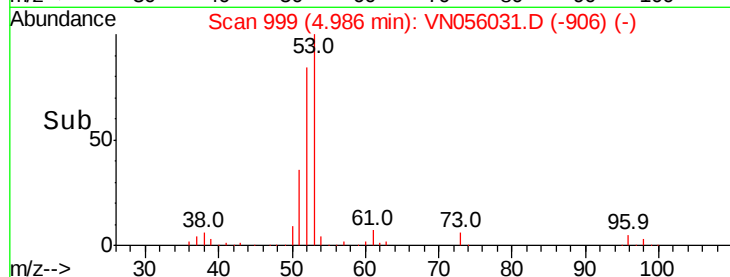
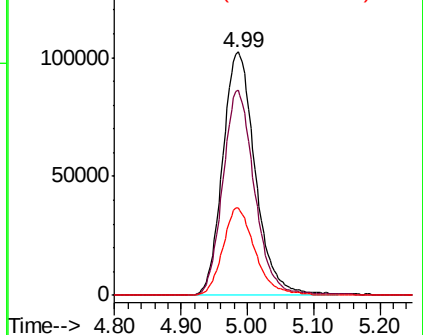
51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 266.566 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056031.D

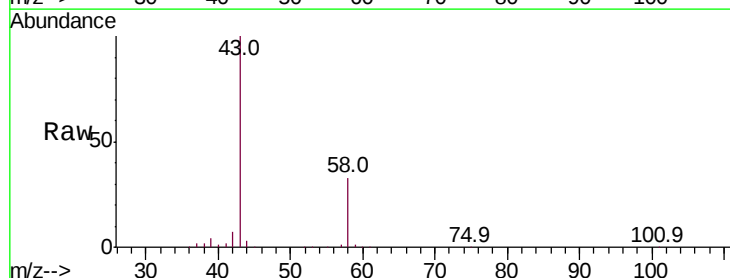
Acq: 6 Jun 2019 8:56

Tgt Ion: 43 Resp: 412649

Ion Ratio Lower Upper

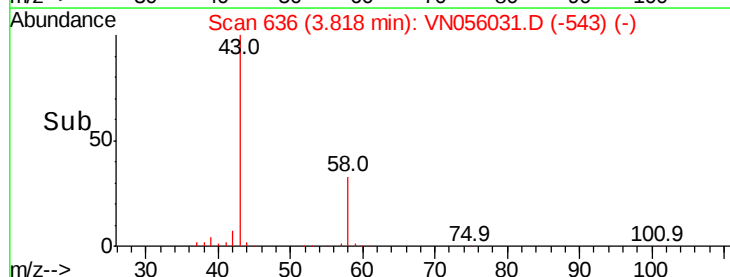
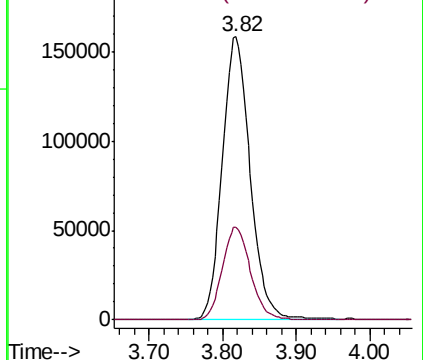
43 100

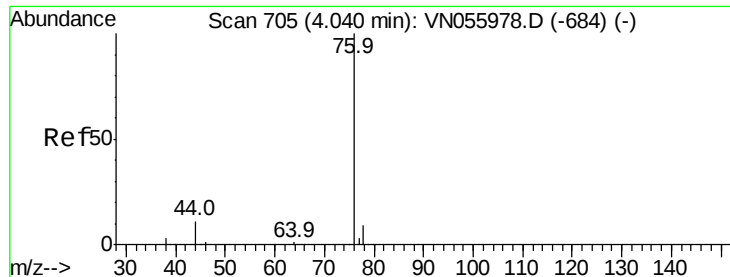
58 33.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

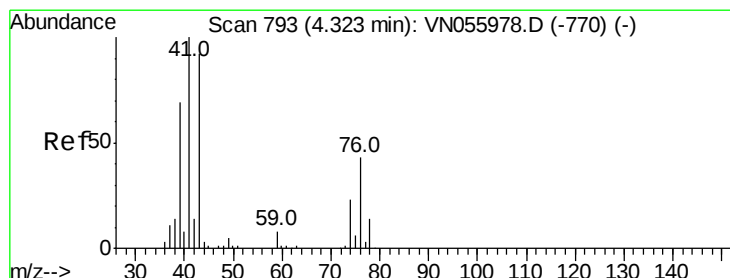
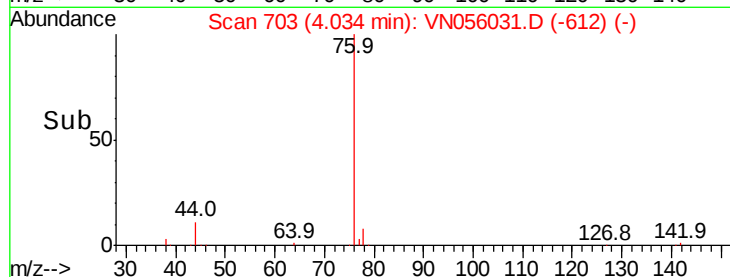
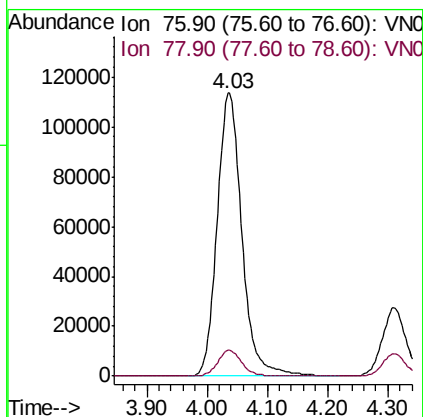
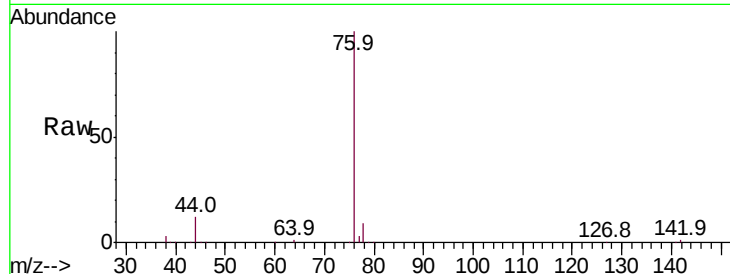




#17
Carbon Disulfide
Concen: 48.954 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

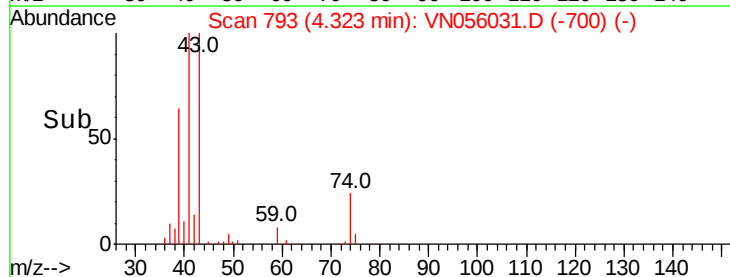
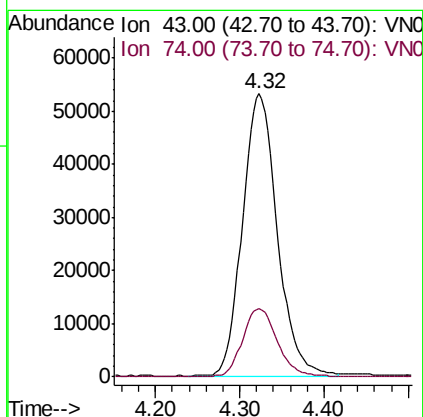
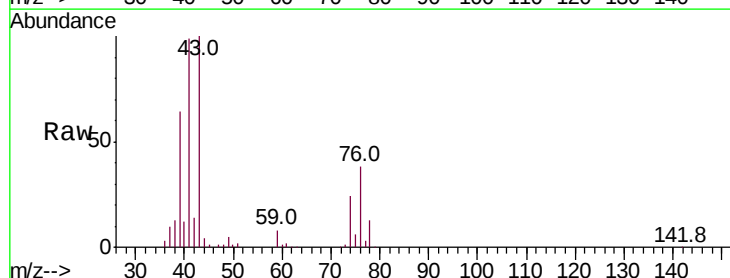
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

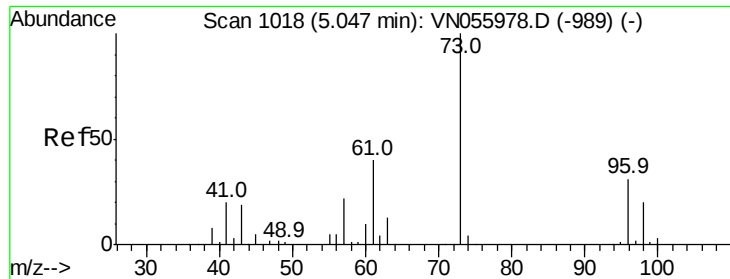
Tot Ion: 76 Resp: 320760
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 50.007 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 43 Resp: 152058
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9

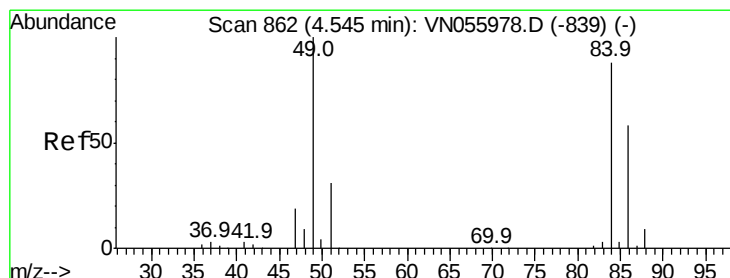
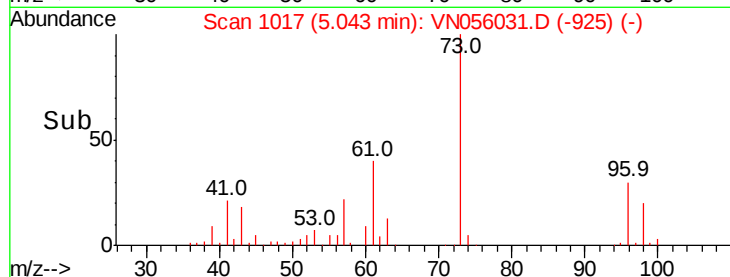
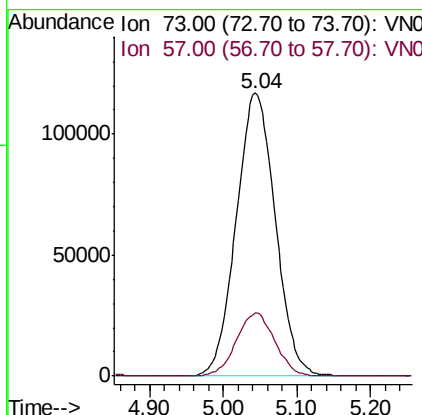
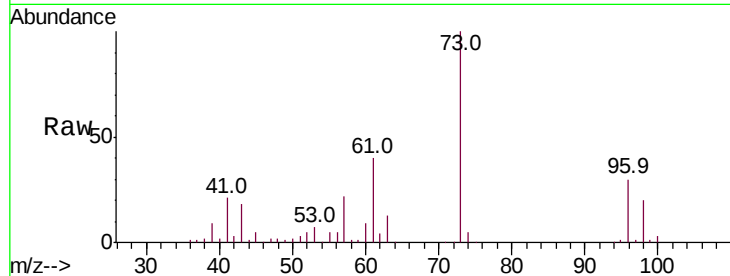




#19
Methvl tert-butvl Ether
Concen: 49.568 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

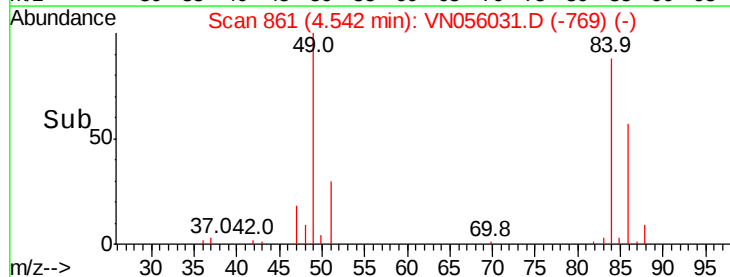
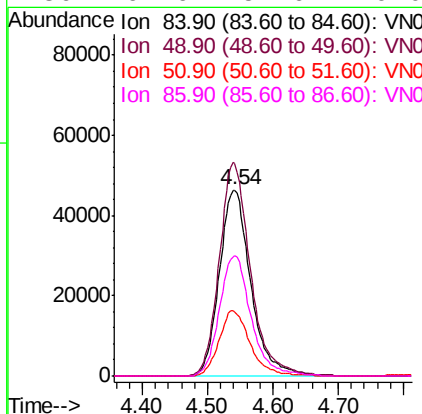
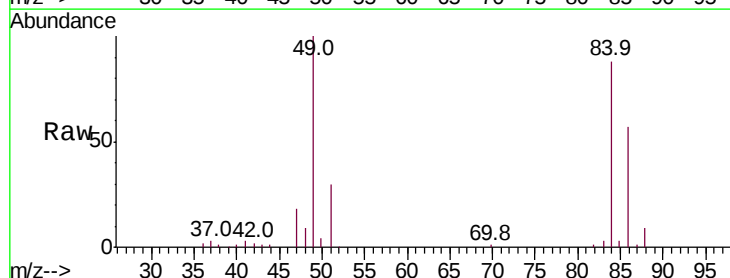
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

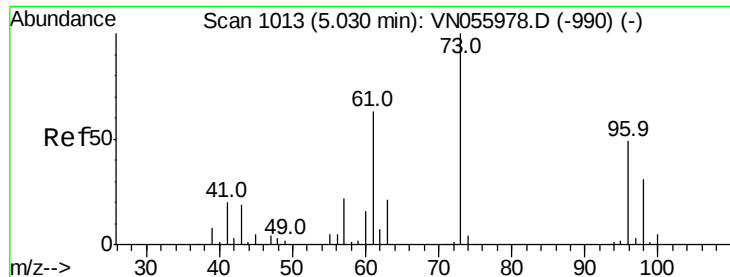
Tot Ion: 73 Resp: 432376
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 48.648 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 84 Resp: 155152
Ion Ratio Lower Upper
84 100
49 113.9 93.5 140.3
51 34.1 28.6 43.0
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.273 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

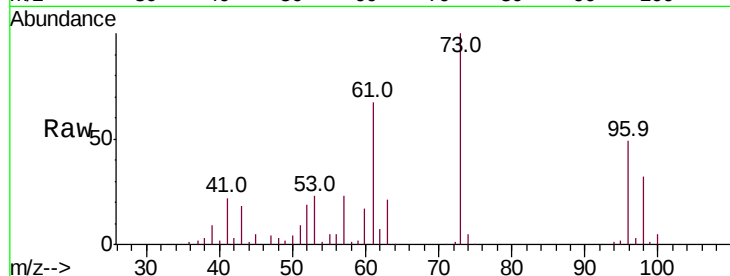
Tot Ion: 96 Resp: 144473

Ion Ratio Lower Upper

96 100

61 135.6 107.8 161.8

98 64.9 49.8 74.8

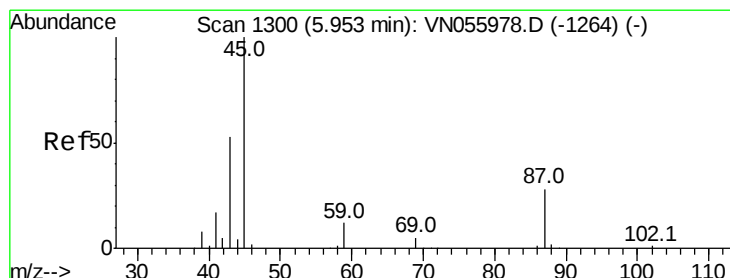
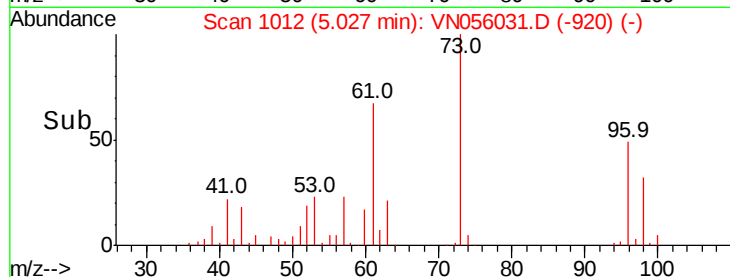
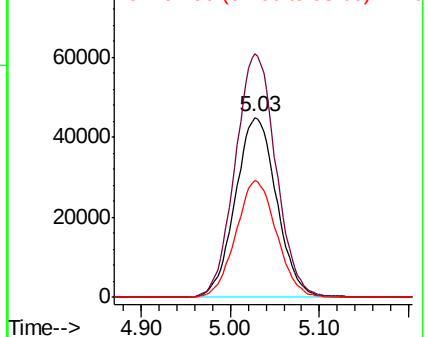


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.785 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion: 45 Resp: 444700

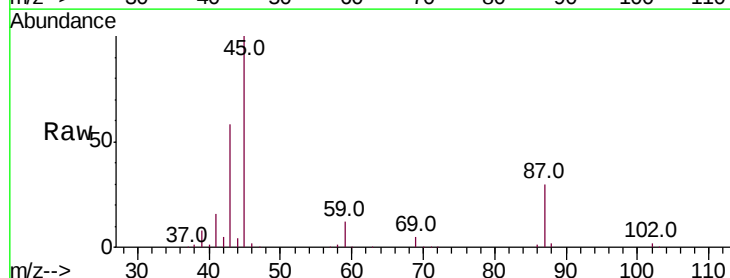
Ion Ratio Lower Upper

45 100

43 55.9 45.0 67.6

87 29.2 22.2 33.4

59 12.0 9.1 13.7



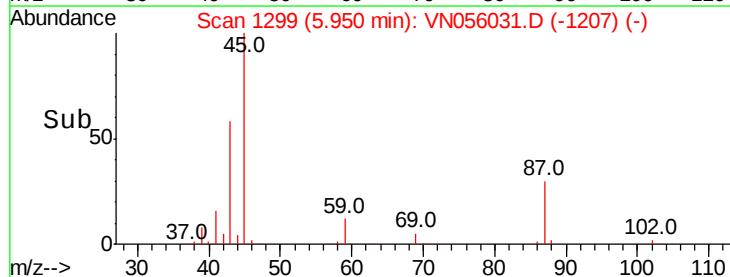
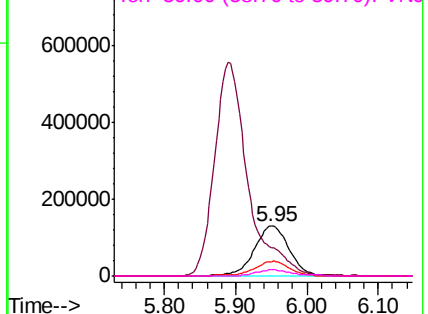
Abundance

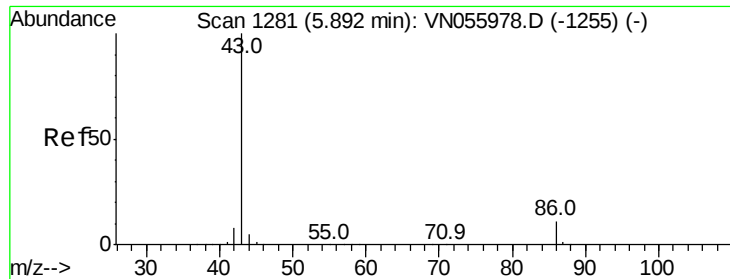
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

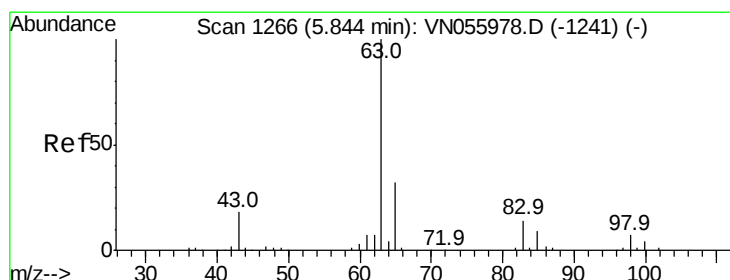
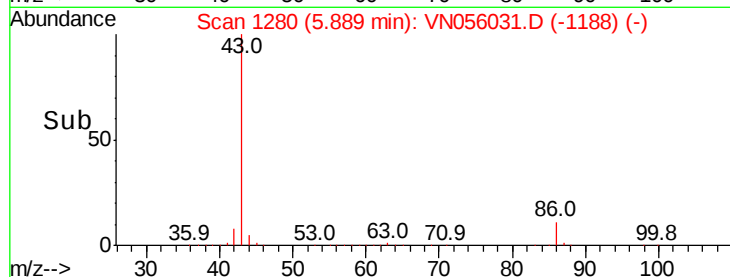
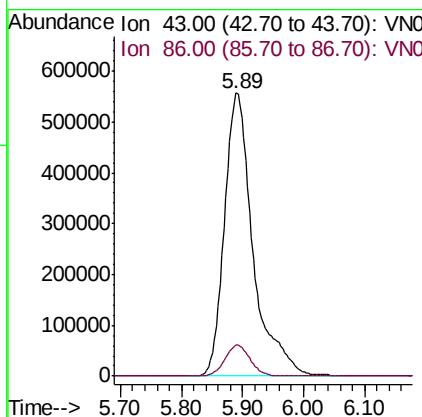
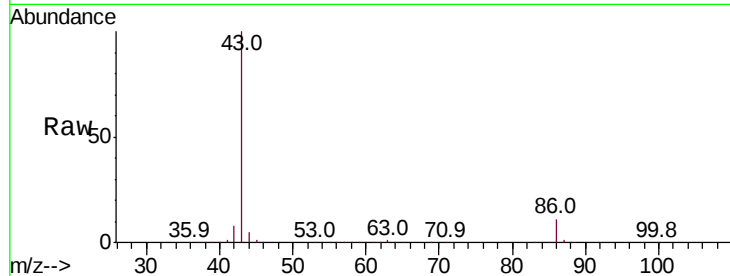




#23
 Vinyl Acetate
 Concen: 258.196 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

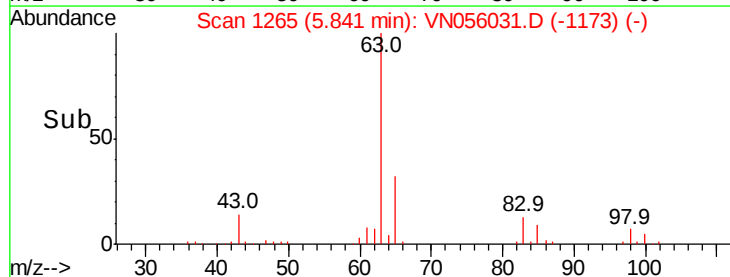
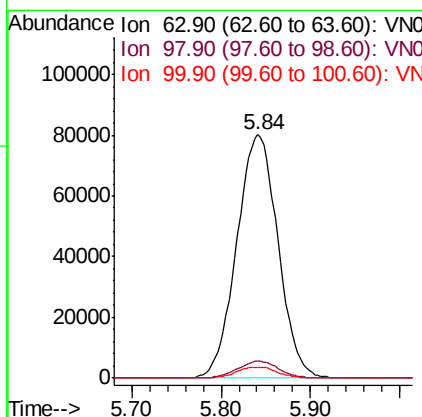
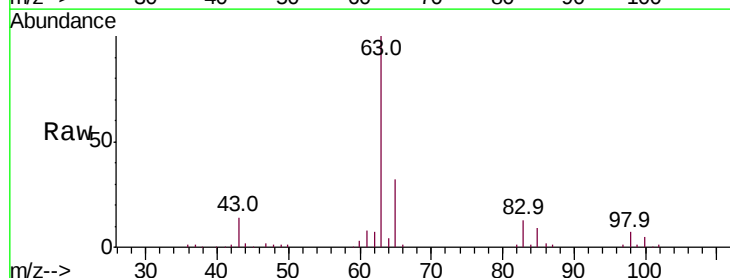
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

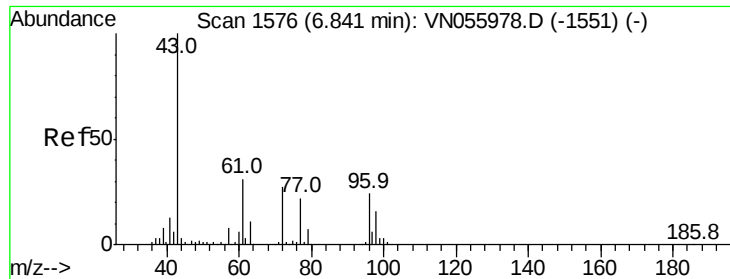
Tot Ion: 43 Resp: 1816238
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 49.847 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 63 Resp: 256839
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 262.152 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

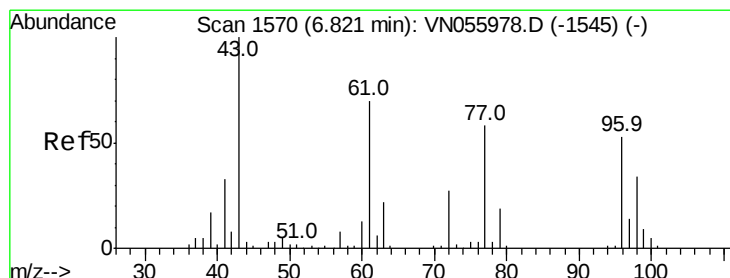
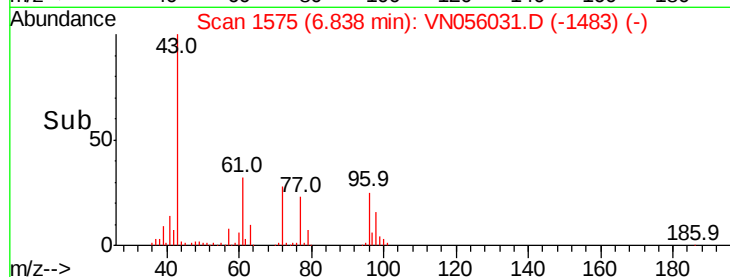
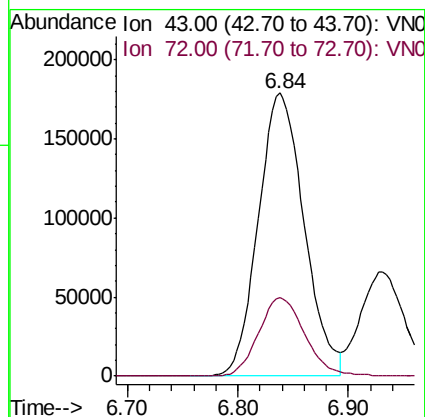
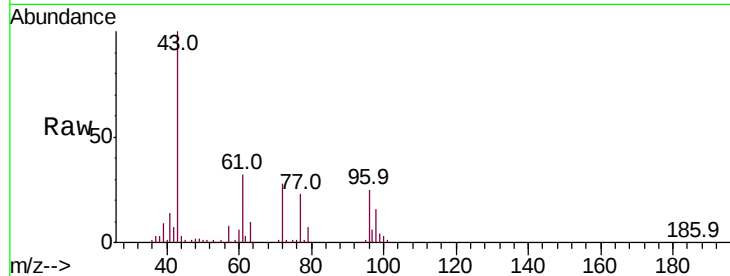
VSTDCCC050

Tot Ion: 43 Resp: 512734

Ion Ratio Lower Upper

43 100

72 27.7 21.9 32.9



#26

2,2-Dichloropropane

Concen: 49.873 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056031.D

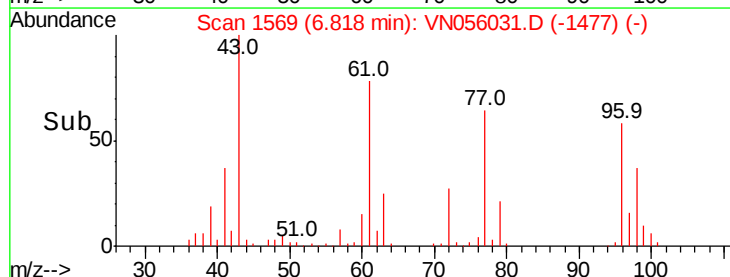
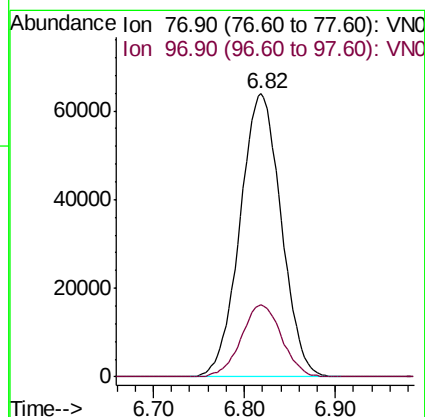
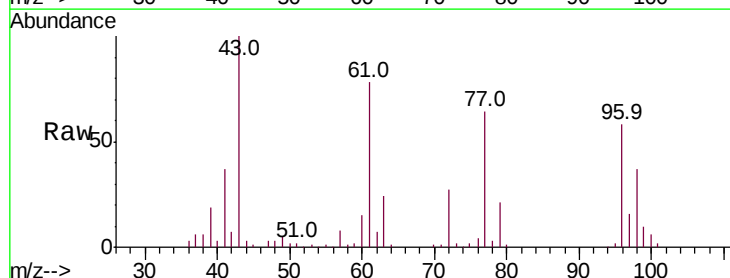
Acq: 6 Jun 2019 8:56

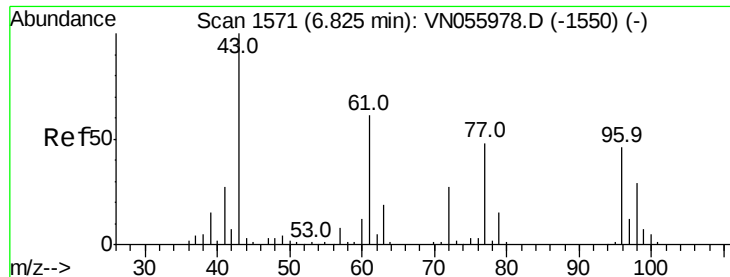
Tgt Ion: 77 Resp: 200521

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.454 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

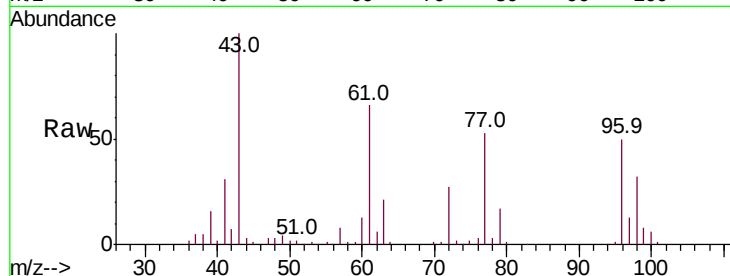
Tot Ion: 96 Resp: 170449

Ion Ratio Lower Upper

96 100

61 134.4 0.0 275.8

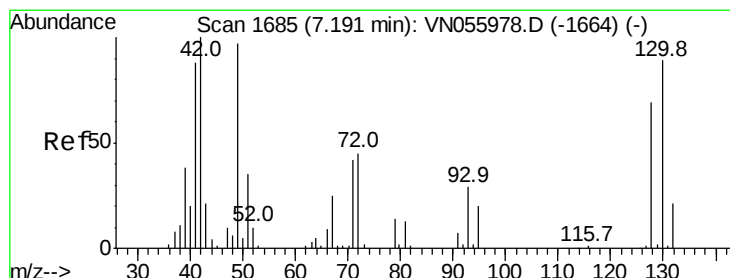
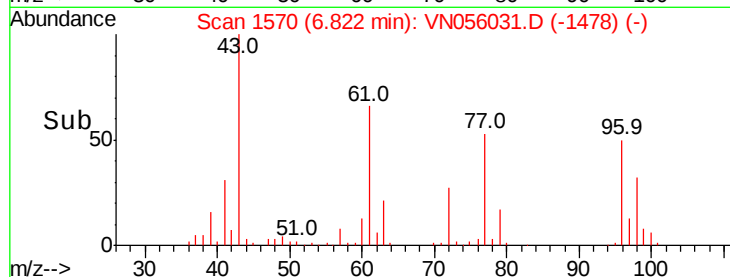
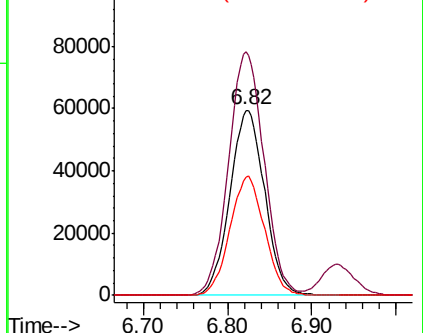
98 64.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.208 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

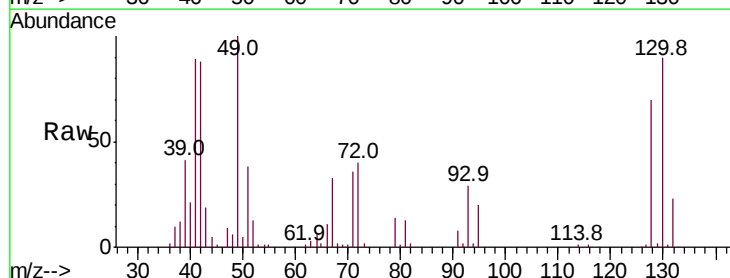
Tgt Ion: 49 Resp: 122340

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

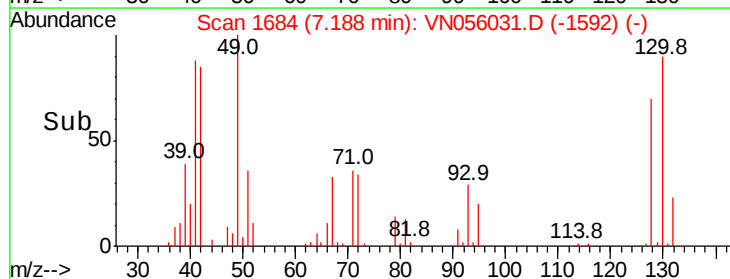
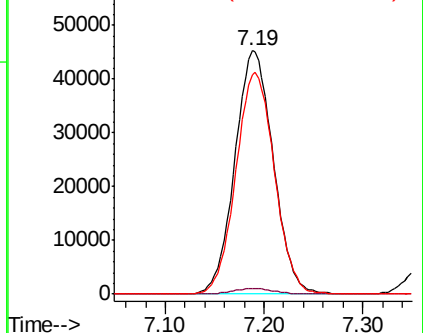
130 91.1 71.2 106.8

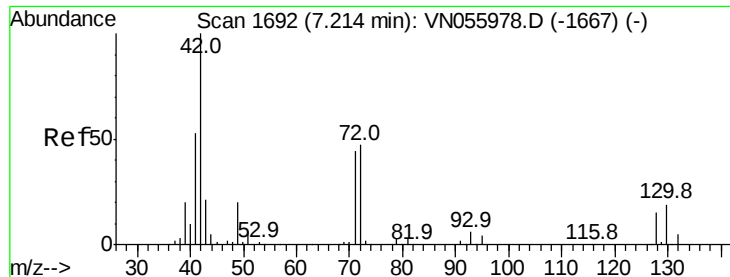


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

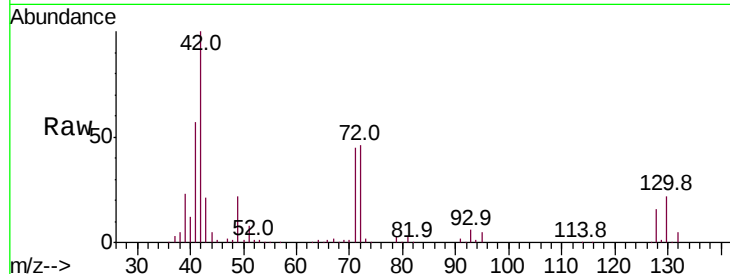




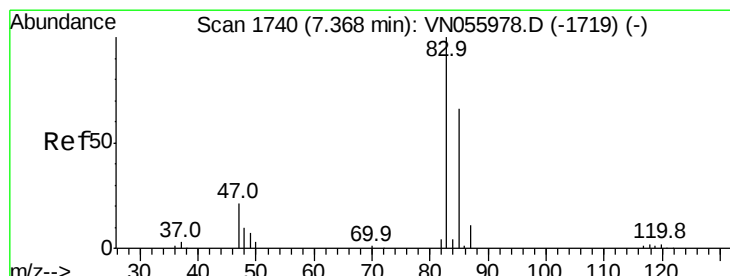
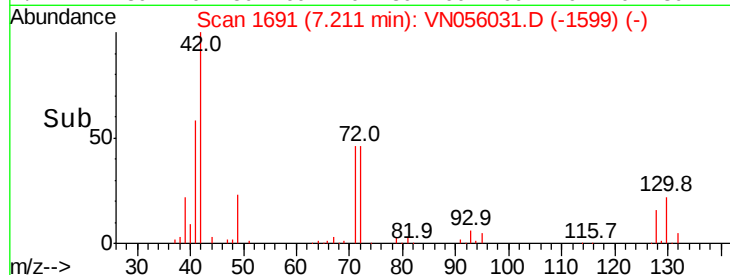
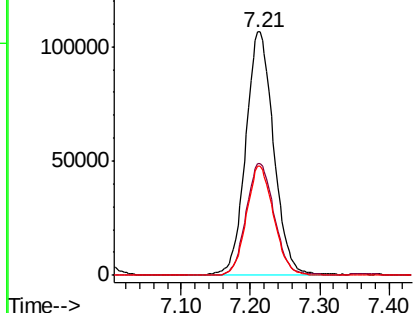
#29
Tetrahydrofuran
Concen: 247.305 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.9	53.9
71	43.7	34.0	51.0

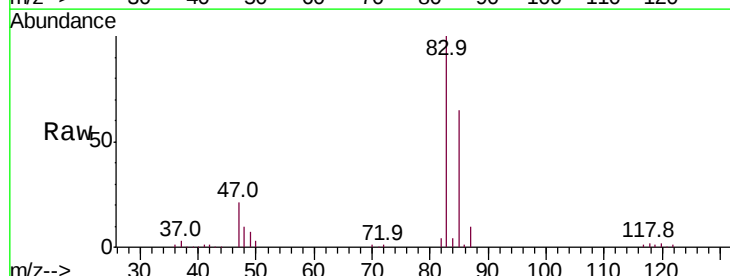


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

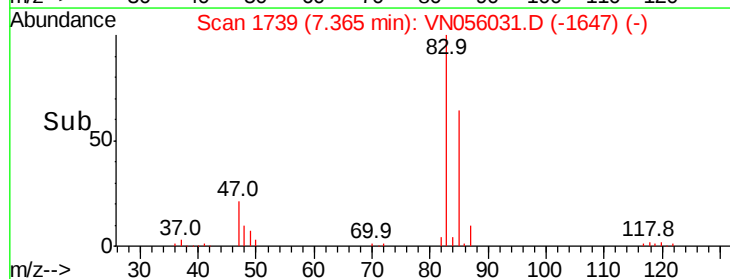
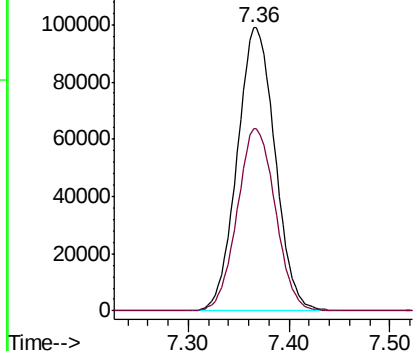


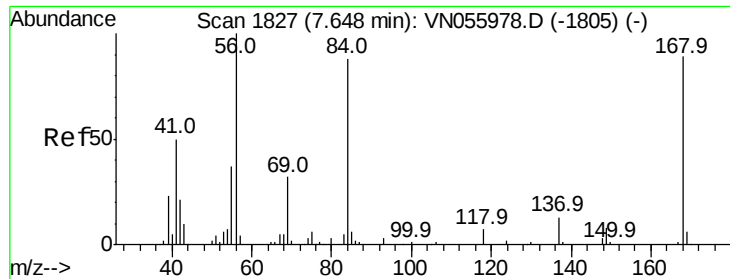
#30
Chloroform
Concen: 49.727 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8



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

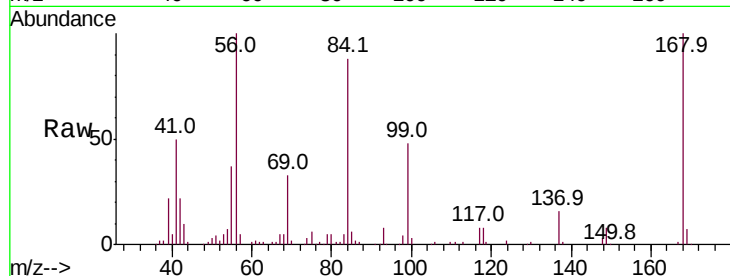




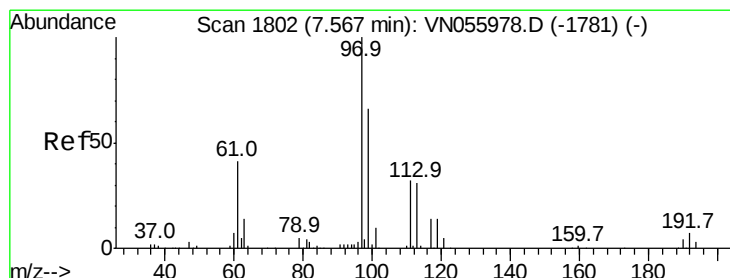
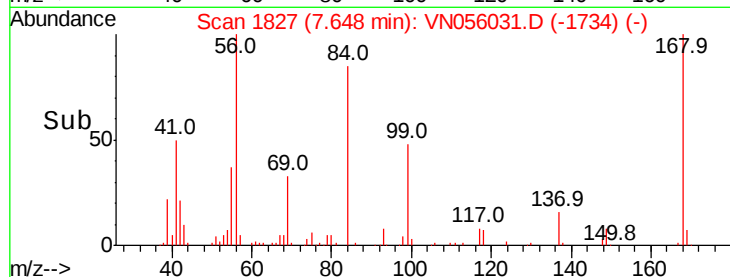
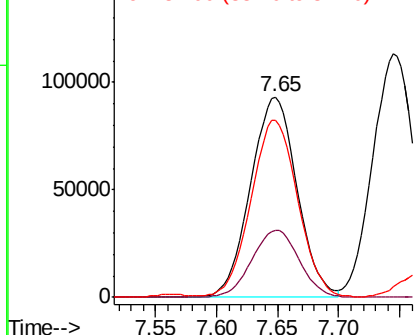
#31
Cyclohexane
Concen: 48.063 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 246851
Ion Ratio Lower Upper
56 100
69 33.3 25.6 38.4
84 86.9 67.4 101.0

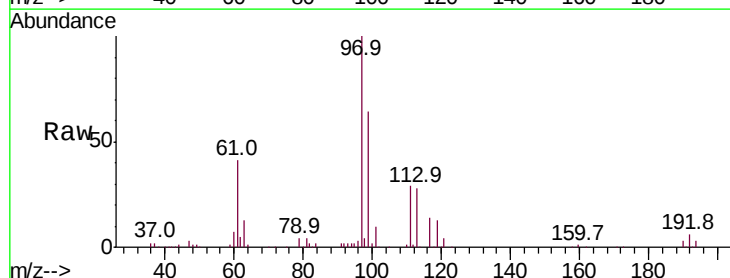


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

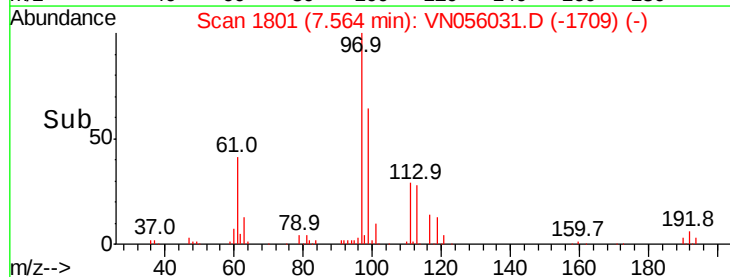
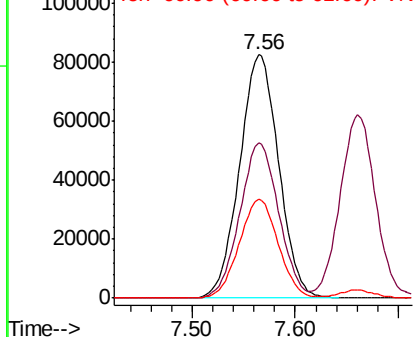


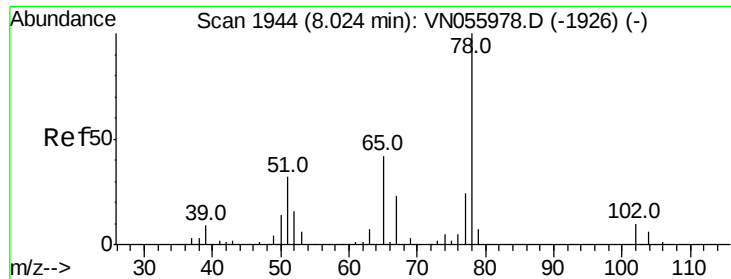
#32
1,1,1-Trichloroethane
Concen: 50.266 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 97 Resp: 217574
Ion Ratio Lower Upper
97 100
99 63.6 52.0 78.0
61 40.7 32.9 49.3



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

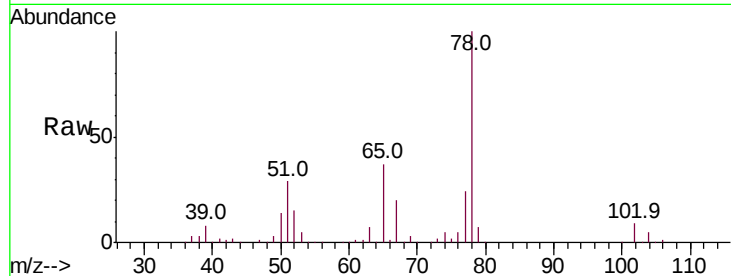




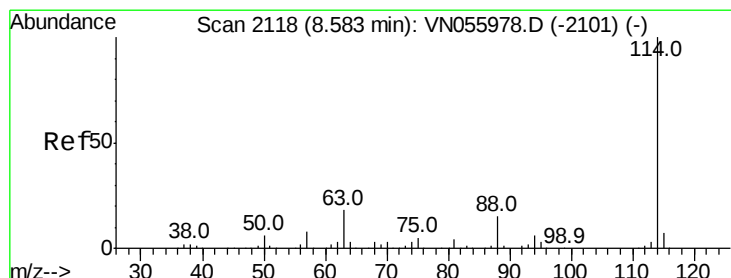
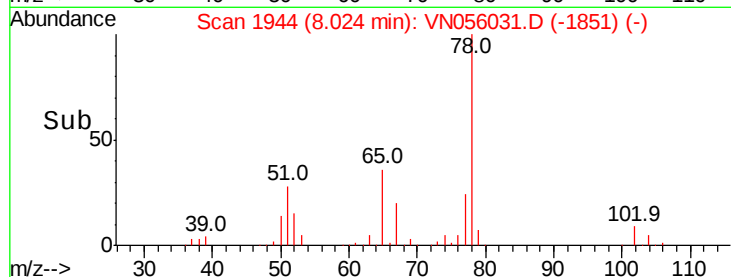
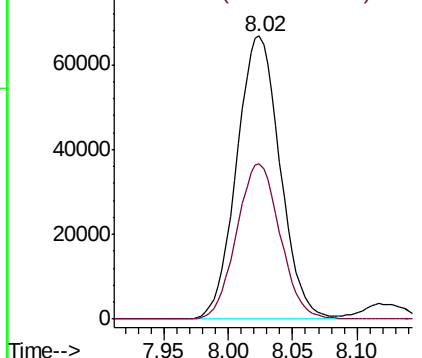
#33
 1,2-Dichloroethane-d4
 Concen: 48.324 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 156409
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.2

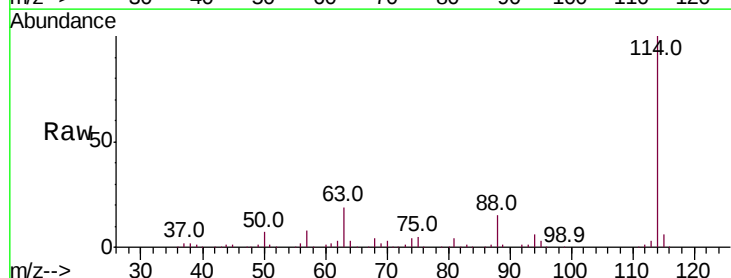


Abundance Ion 64.90 (64.60 to 65.60): VN0
 Ion 66.90 (66.60 to 67.60): VN0

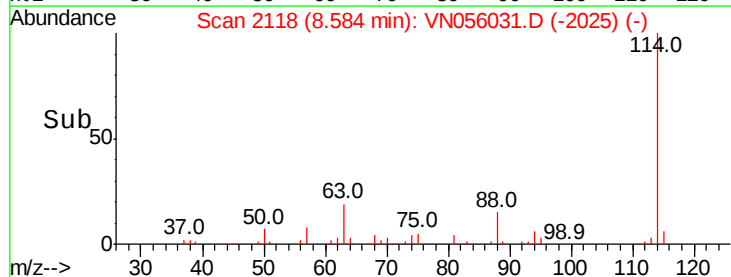
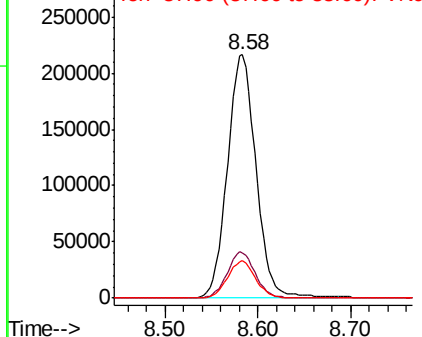


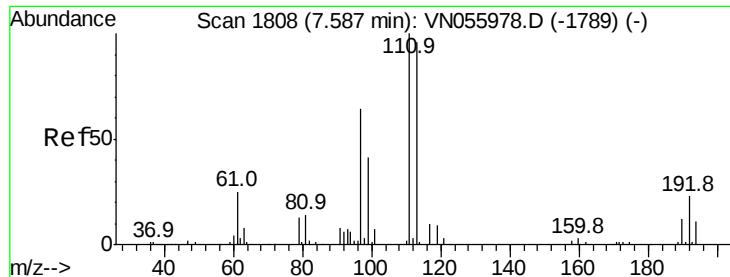
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 114 Resp: 462864
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 87.90 (87.60 to 88.60): VN0

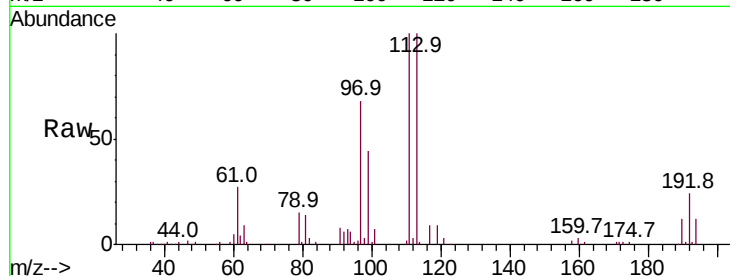




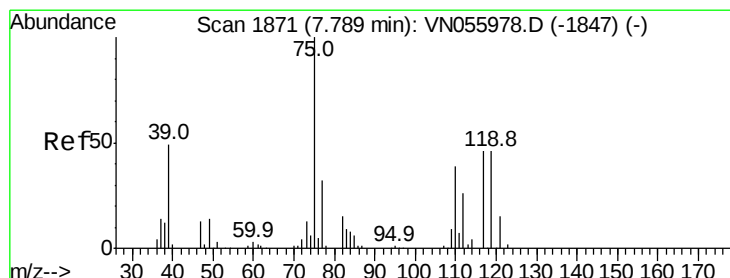
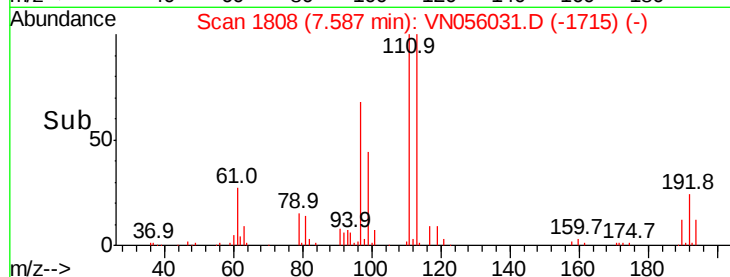
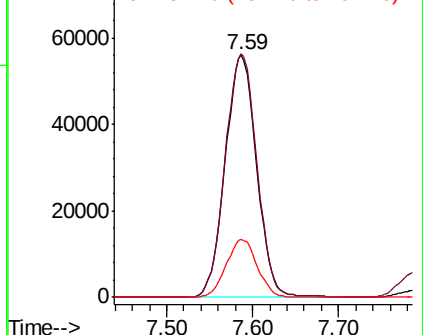
#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 142224
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 23.5 19.5 29.3

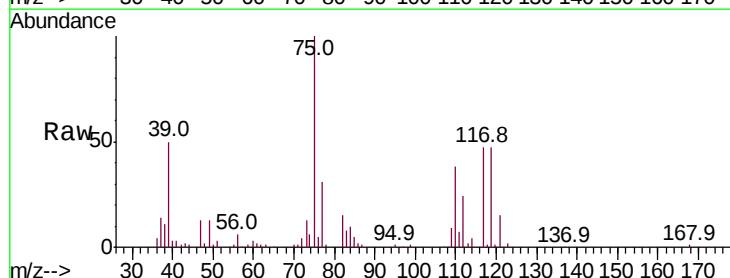


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

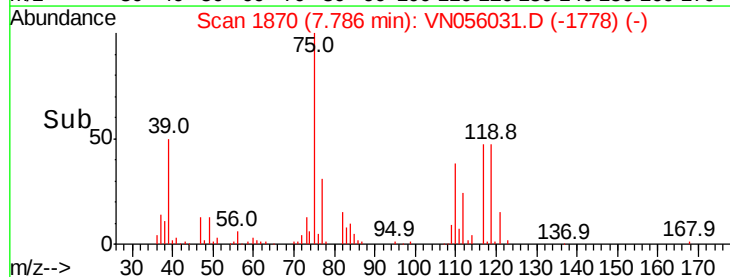
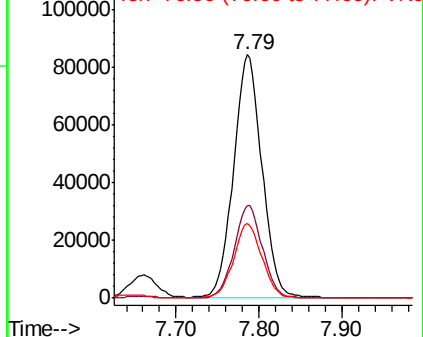


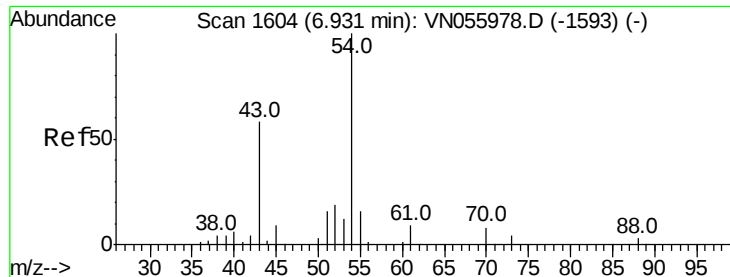
#36
 1,1-Dichloropropene
 Concen: 50.401 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 75 Resp: 200597
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.0 57.0
 77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

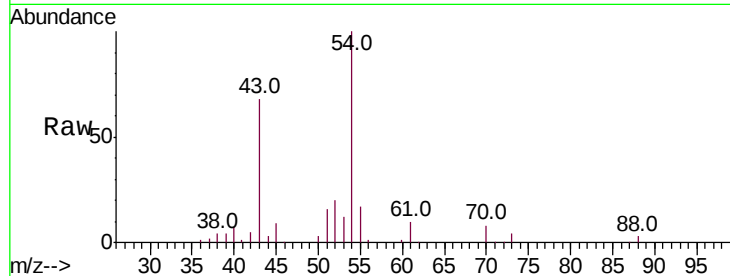




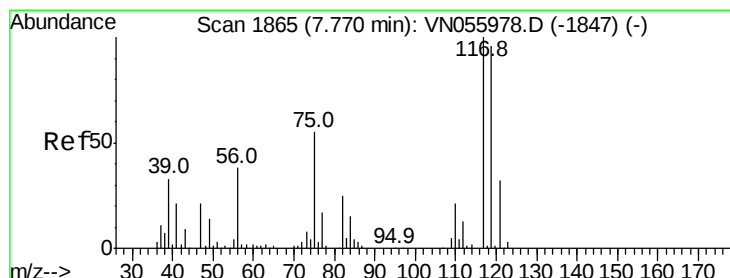
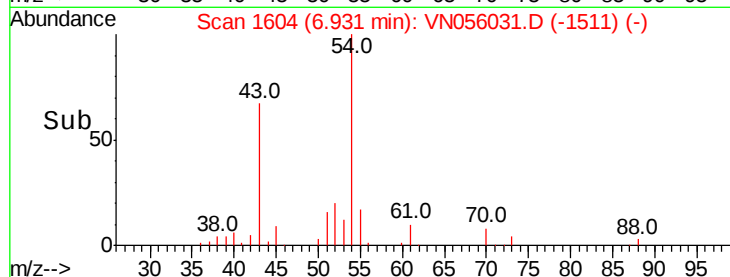
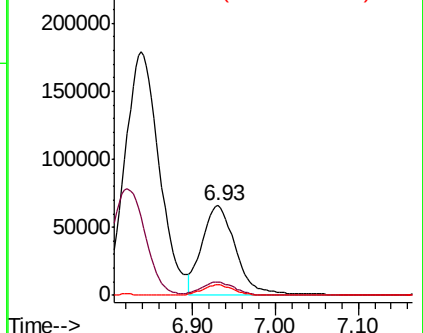
#37
Ethyl Acetate
Concen: 52.497 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 185903
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.2
70 11.1 8.9 13.3

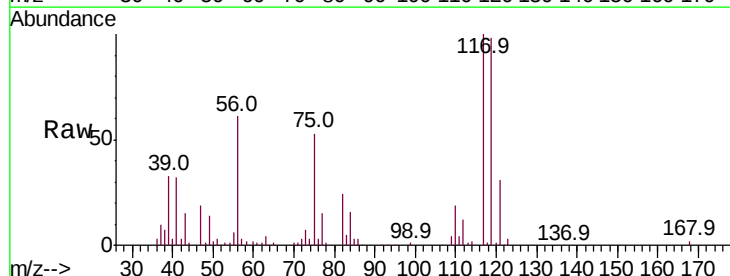


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

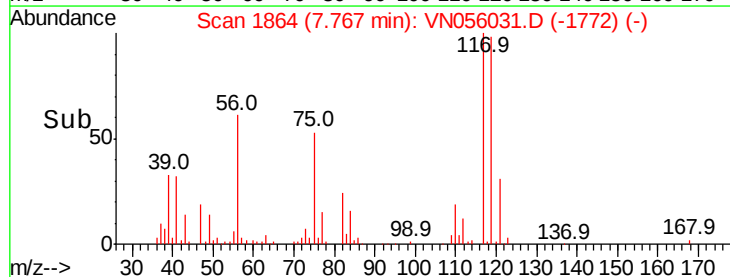
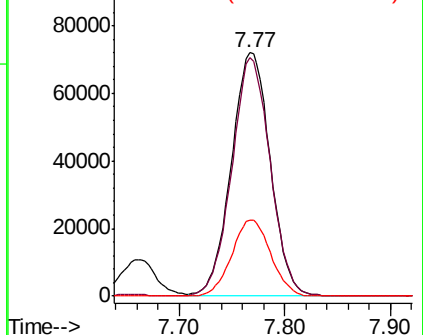


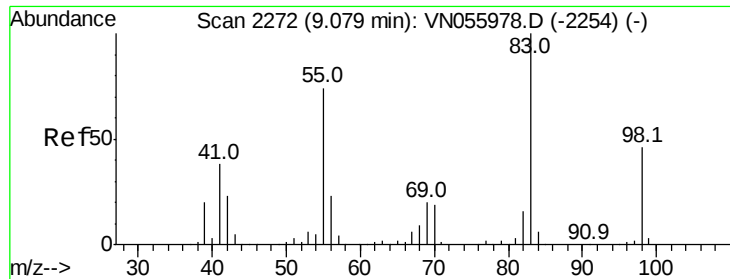
#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 117 Resp: 183888
Ion Ratio Lower Upper
117 100
119 97.8 79.0 118.6
121 31.4 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

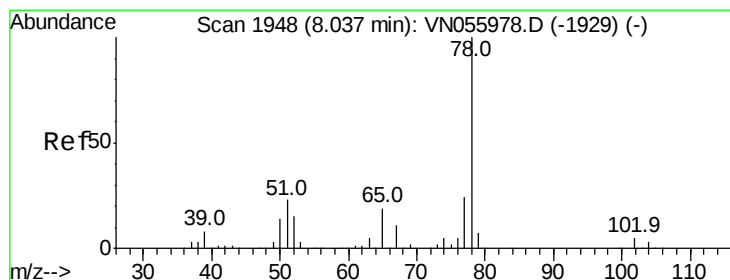
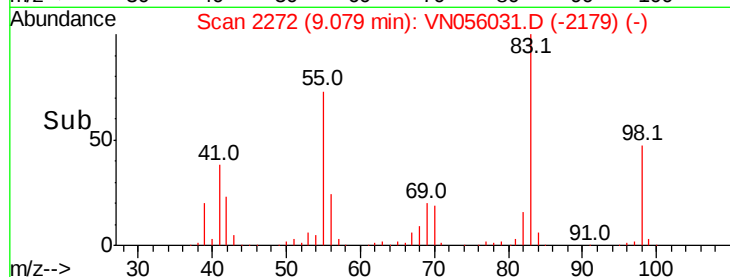
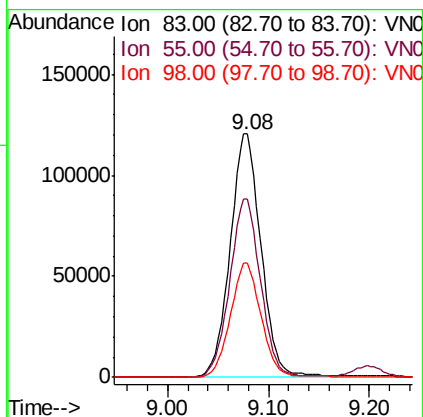
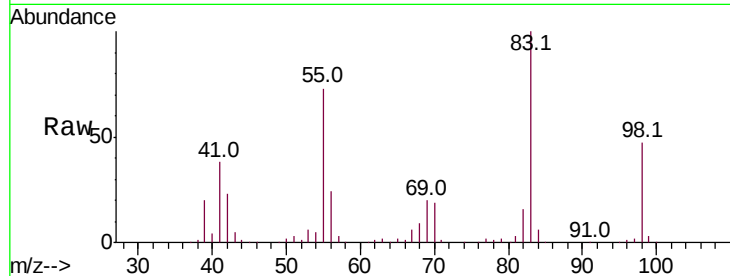




#39
Methvlcvclohexane
Concen: 51.837 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

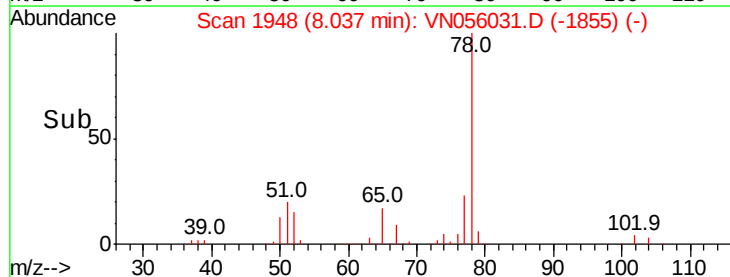
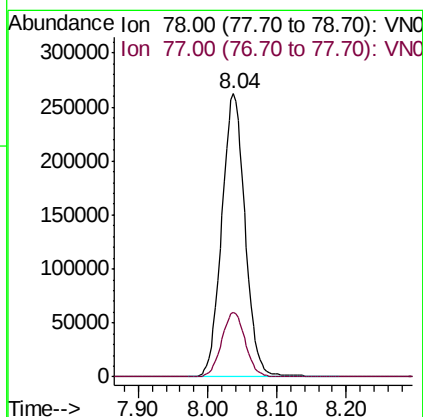
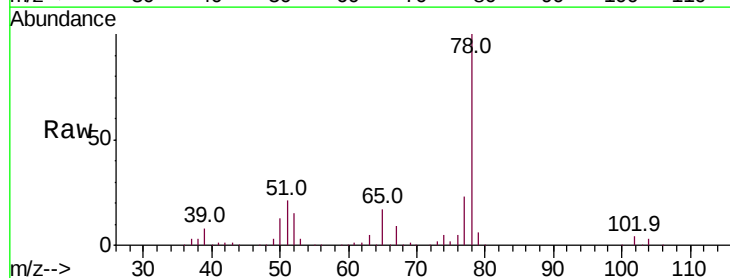
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

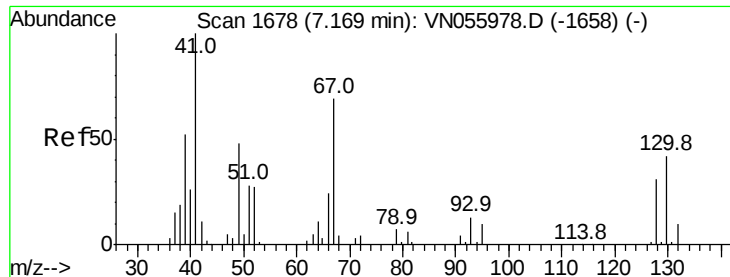
Tot Ion: 83 Resp: 257005
Ion Ratio Lower Upper
83 100
55 73.0 59.3 88.9
98 46.8 36.6 54.8



#40
Benzene
Concen: 50.903 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 78 Resp: 615317
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

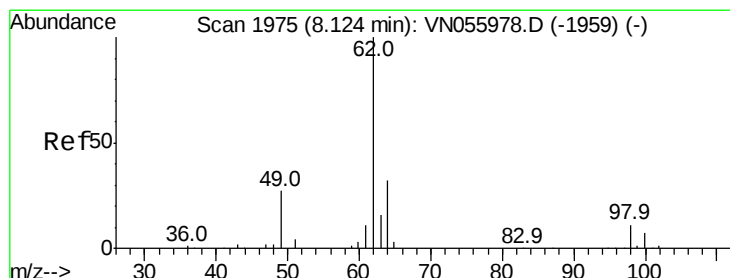
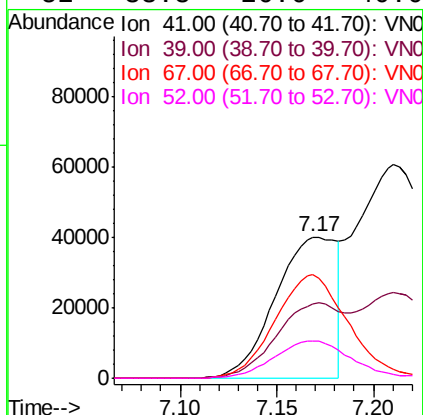
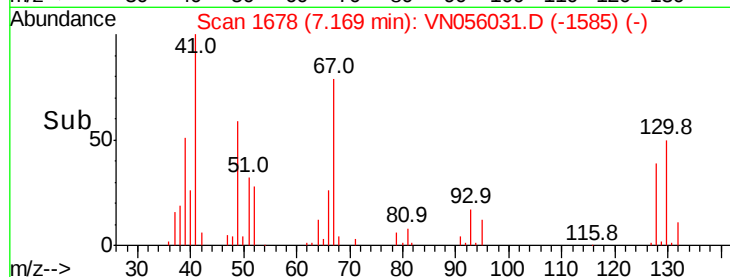
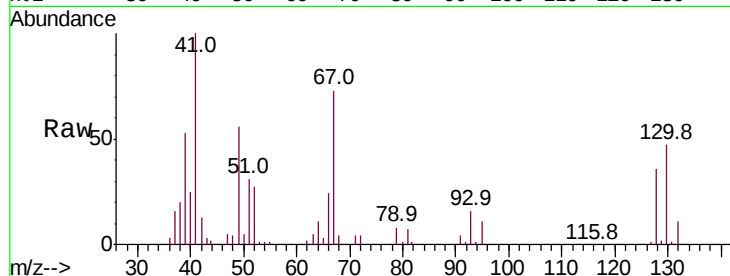




#41
Methacrylonitrile
Concen: 54.509 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

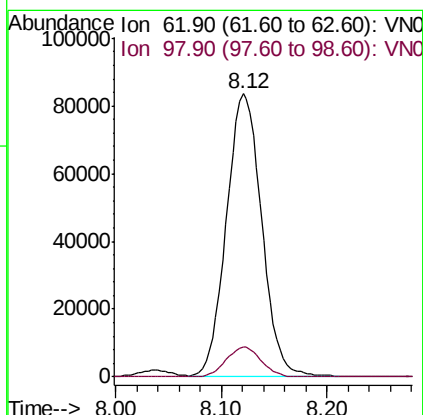
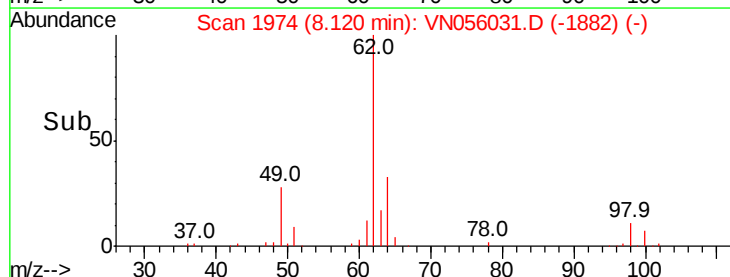
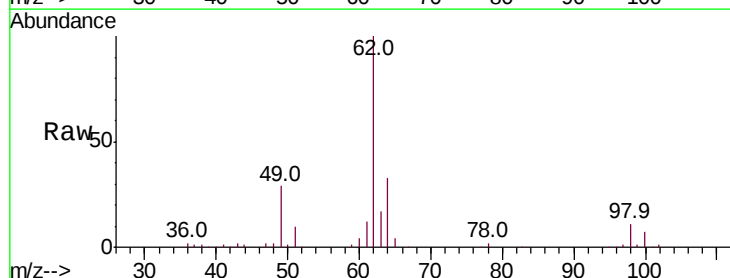
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

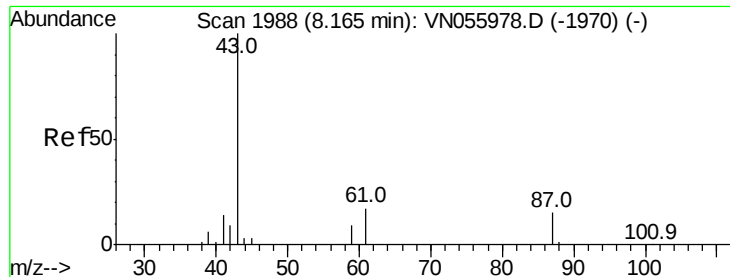
Tot Ion: 41 Resp: 88812
Ion Ratio Lower Upper
41 100
39 60.1 45.6 68.4
67 87.7 67.7 101.5
52 33.8 26.6 40.0



#42
1,2-Dichloroethane
Concen: 49.532 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 62 Resp: 192595
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 51.114 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

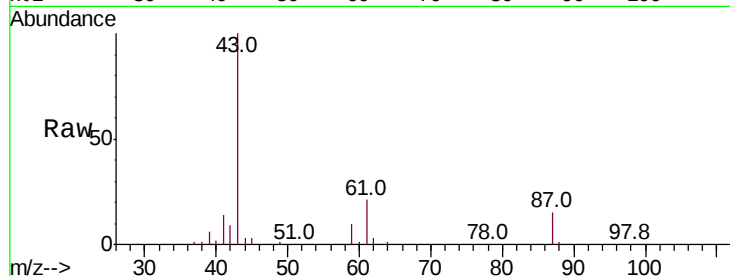
Tot Ion: 43 Resp: 293316

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

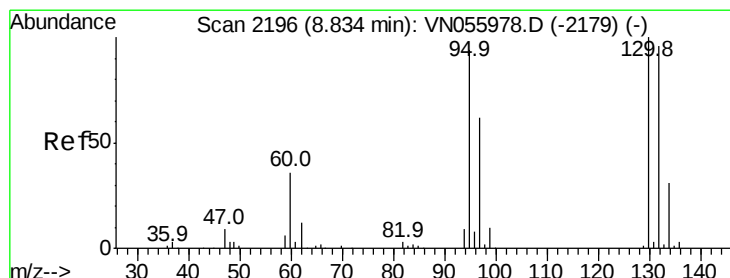
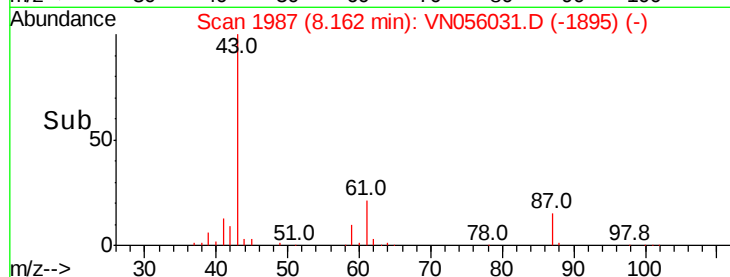
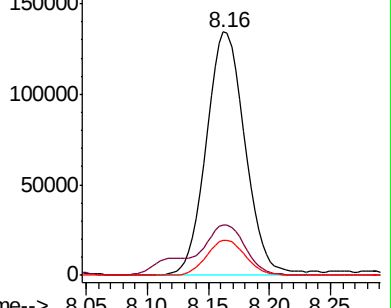
87 14.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 49.635 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056031.D

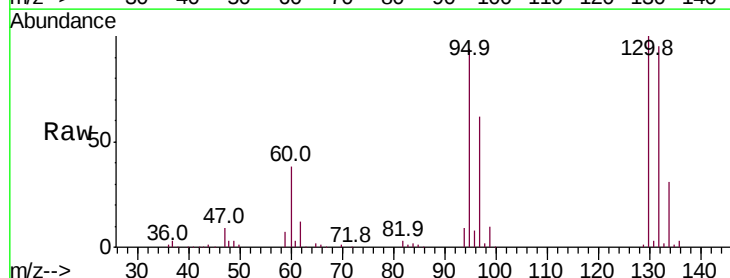
Acq: 6 Jun 2019 8:56

Tgt Ion:130 Resp: 172407

Ion Ratio Lower Upper

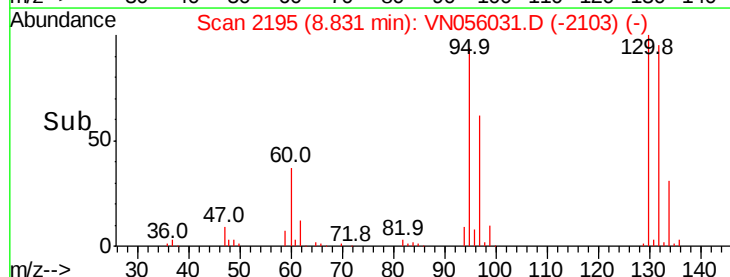
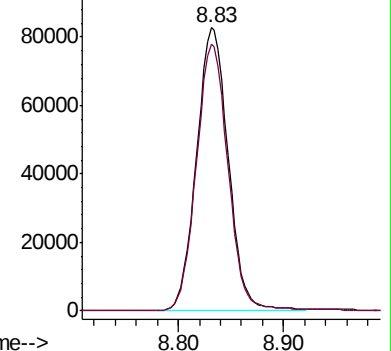
130 100

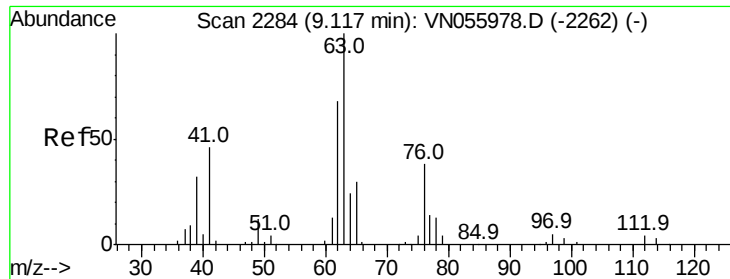
95 94.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

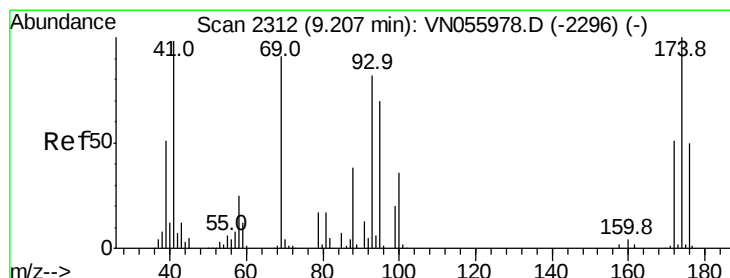
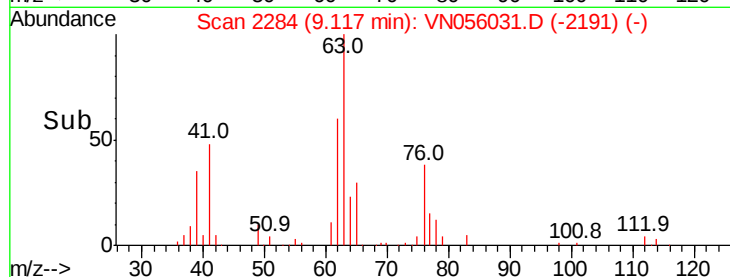
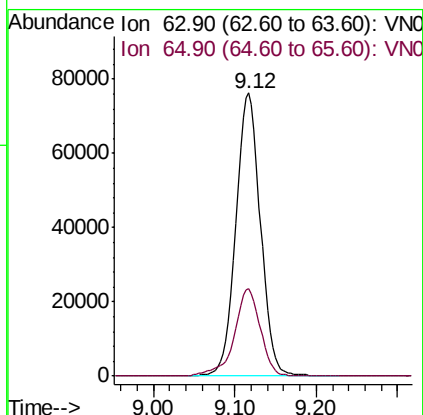
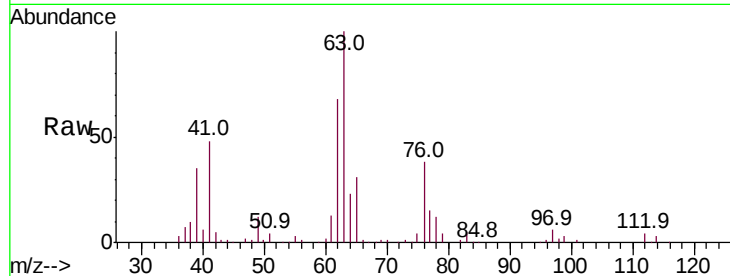




#45
 1,2-Dichloropropane
 Concen: 51.605 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

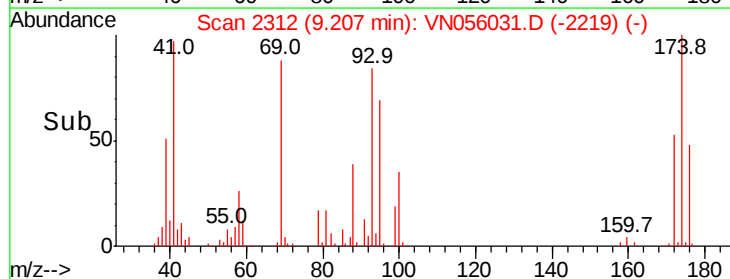
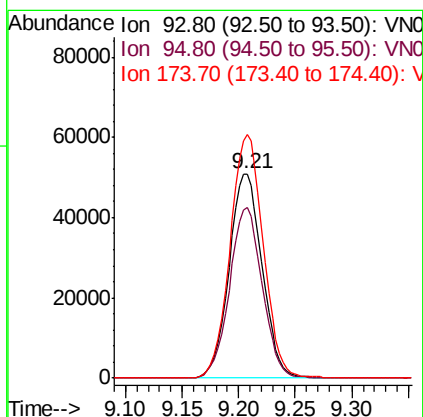
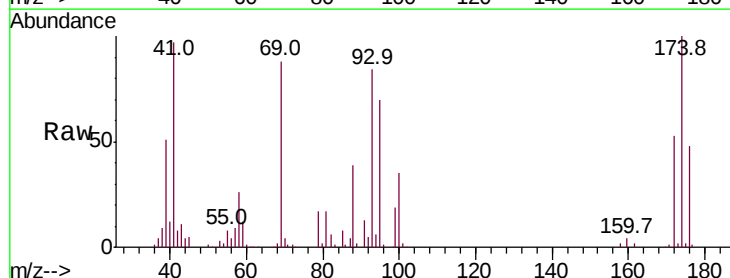
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

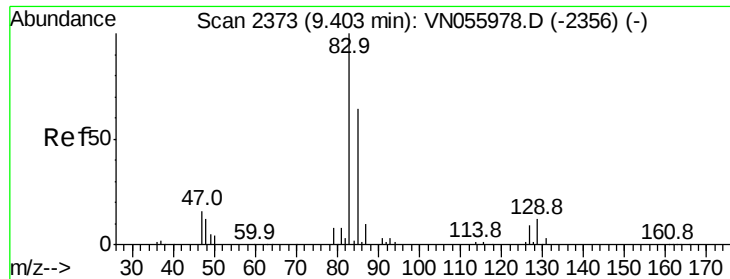
Tot Ion: 63 Resp: 159783
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 51.074 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 93 Resp: 103412
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 119.6 96.4 144.6

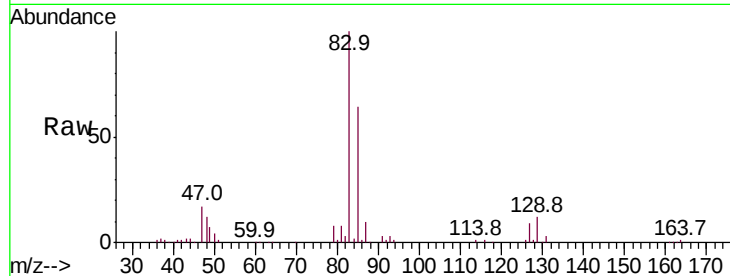




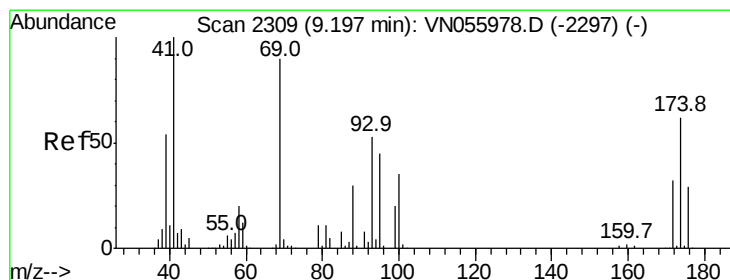
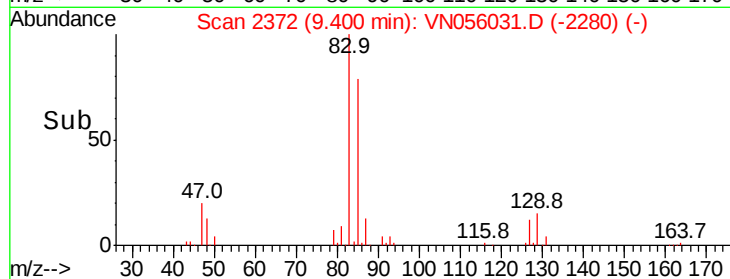
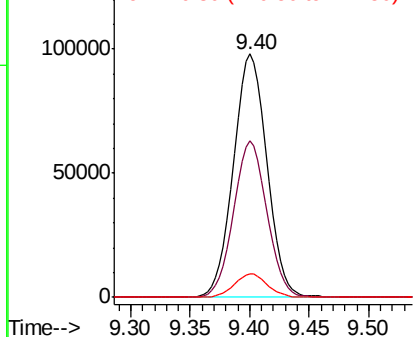
#47
Bromodichloromethane
Concen: 52.187 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 191509
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2
127 9.4 7.4 11.0

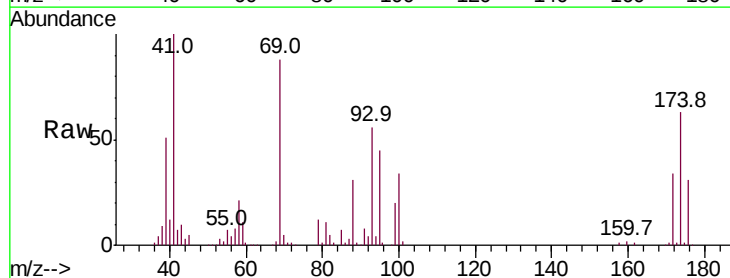


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

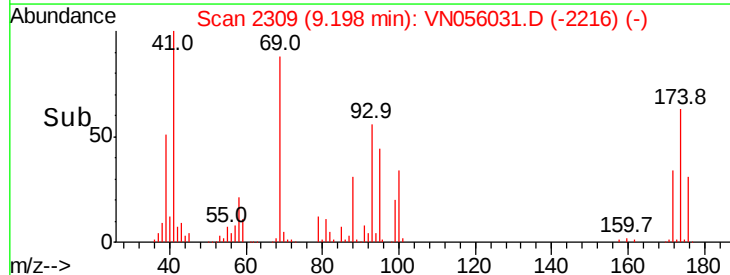
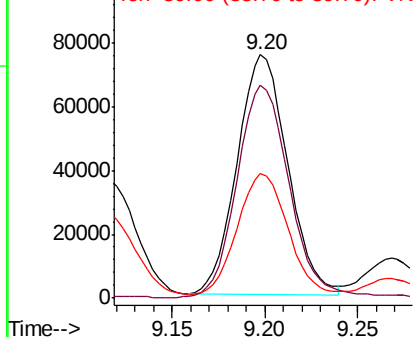


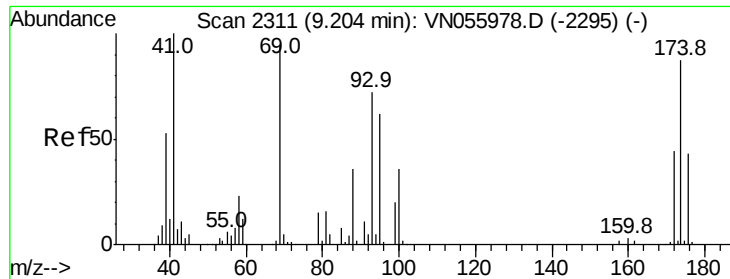
#48
Methyl methacrylate
Concen: 50.624 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 41 Resp: 142123
Ion Ratio Lower Upper
41 100
69 92.6 71.0 106.6
39 53.4 44.2 66.2



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





#49

1,4-Dioxane

Concen: 1024.145 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

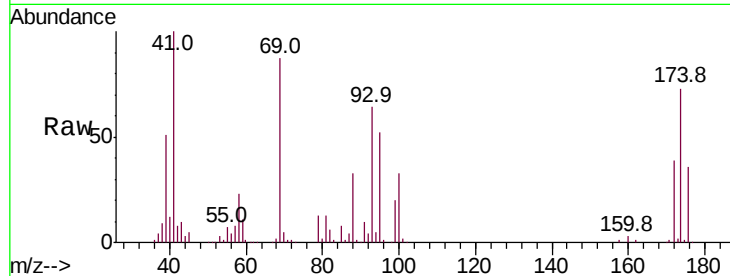
Tot Ion: 88 Resp: 62072

Ion Ratio Lower Upper

88 100

43 25.5 20.5 30.7

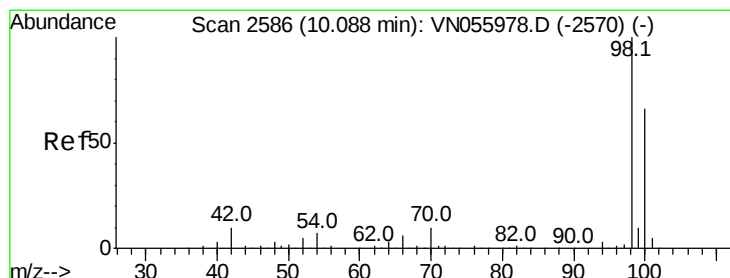
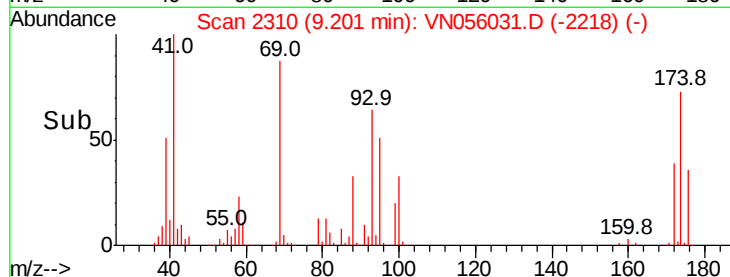
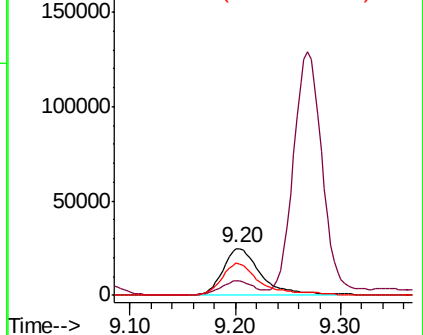
58 70.2 55.8 83.6



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: 50.143 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056031.D

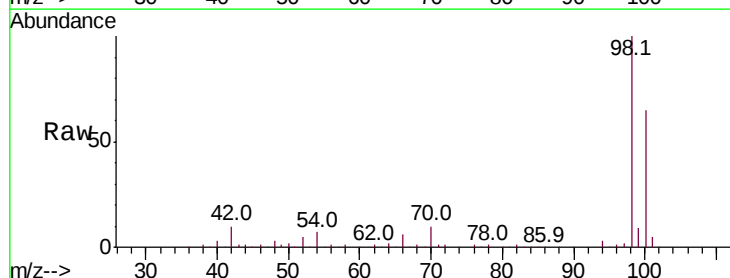
Acq: 6 Jun 2019 8:56

Tgt Ion: 98 Resp: 547941

Ion Ratio Lower Upper

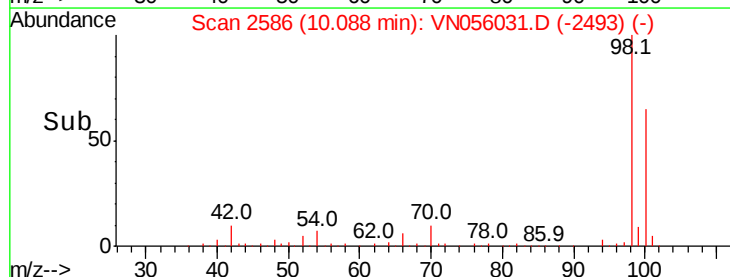
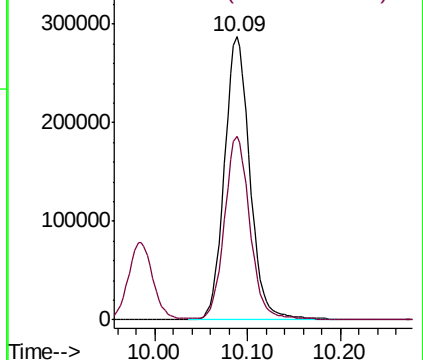
98 100

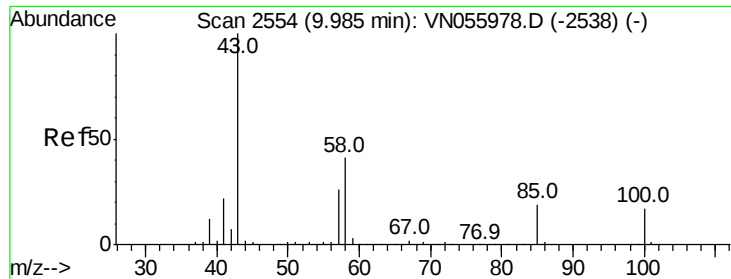
100 65.0 51.9 77.9



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: 255.024 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

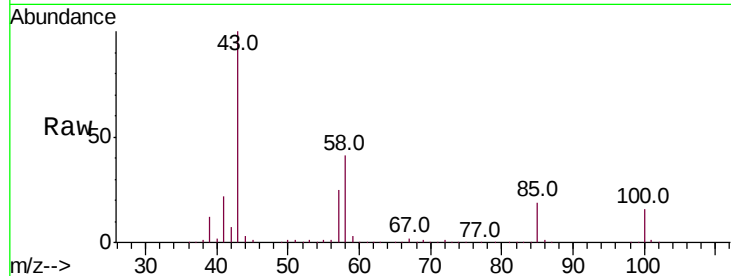
VSTDCCC050

Tot Ion: 43 Resp: 915161

Ion Ratio Lower Upper

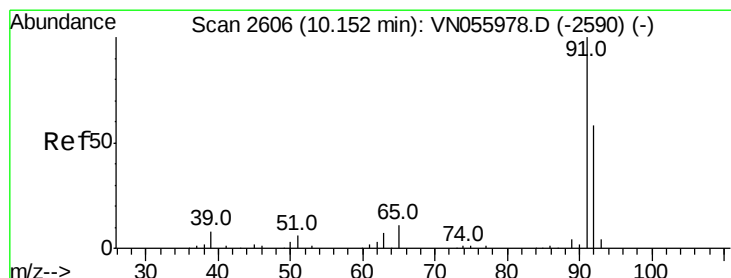
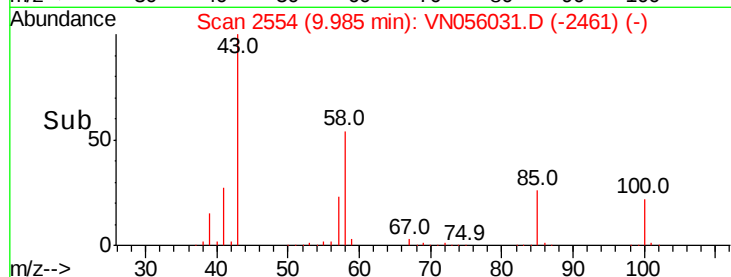
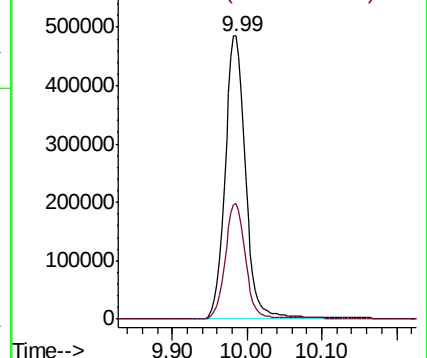
43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.746 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056031.D

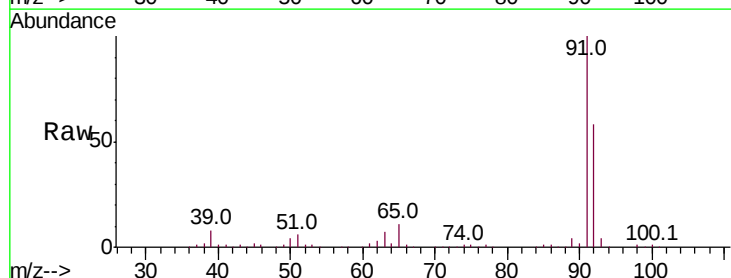
Acq: 6 Jun 2019 8:56

Tgt Ion: 92 Resp: 389234

Ion Ratio Lower Upper

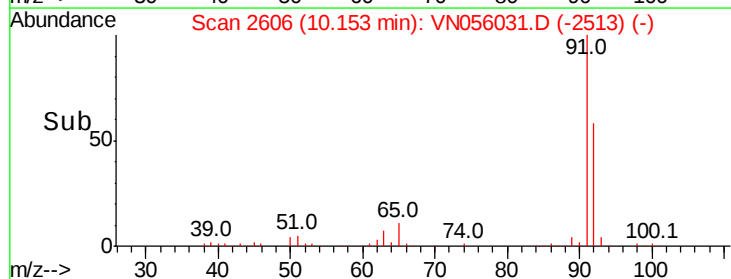
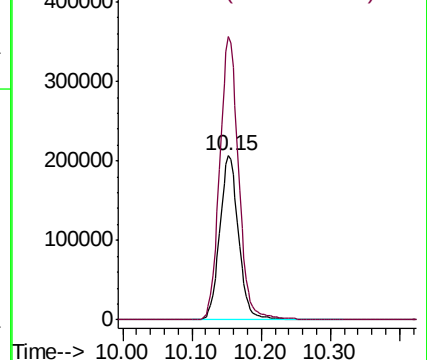
92 100

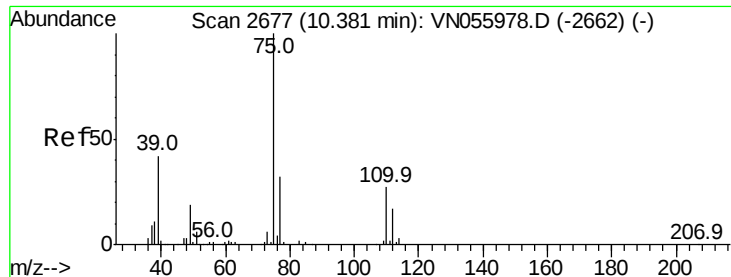
91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.713 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

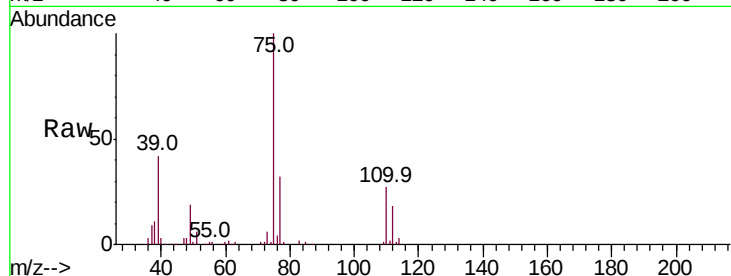
VSTDCCC050

Tot Ion: 75 Resp: 204786

Ion Ratio Lower Upper

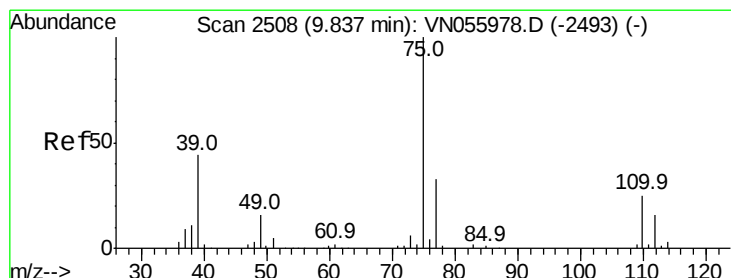
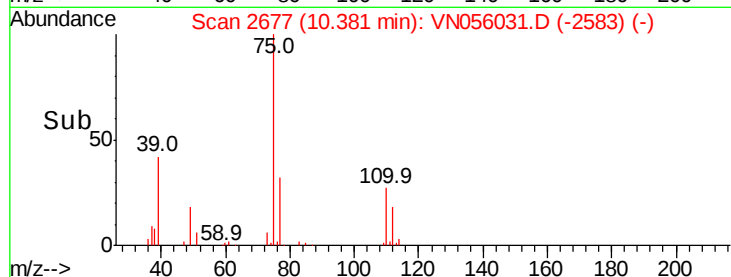
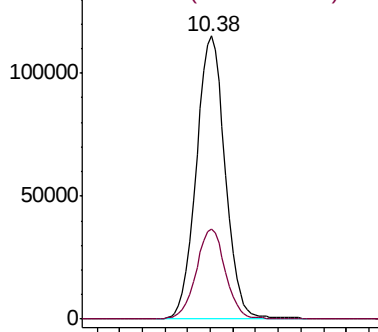
75 100

77 31.7 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.115 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

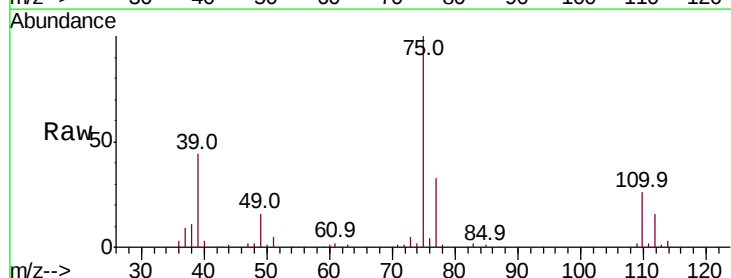
Tgt Ion: 75 Resp: 238701

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

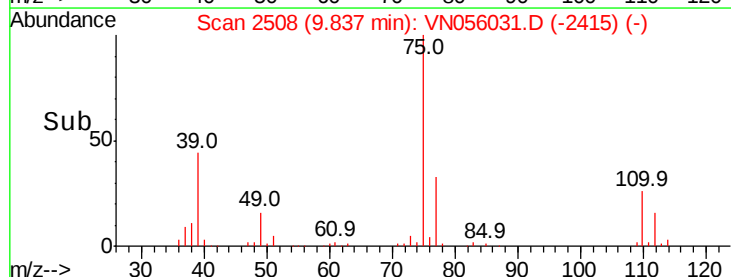
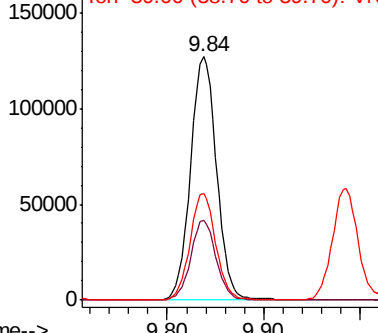
39 44.0 36.3 54.5

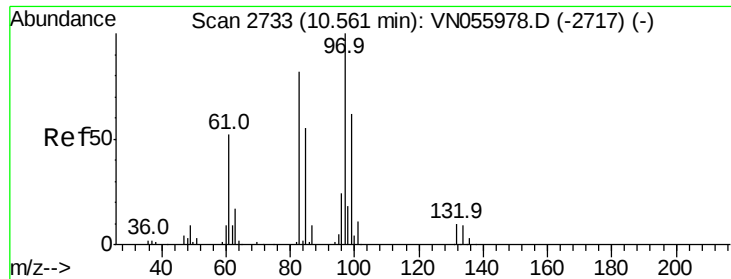


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

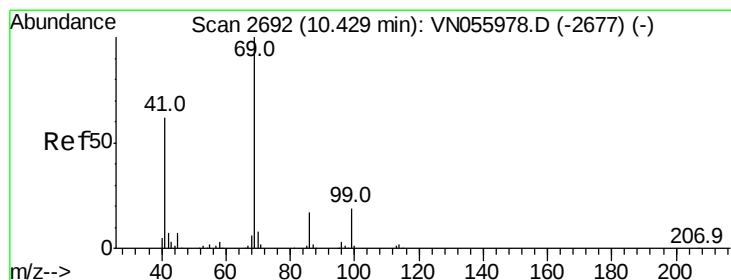
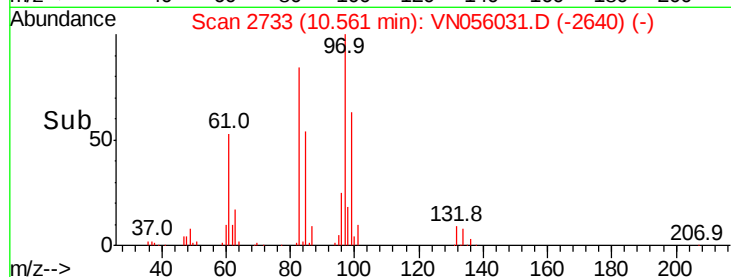
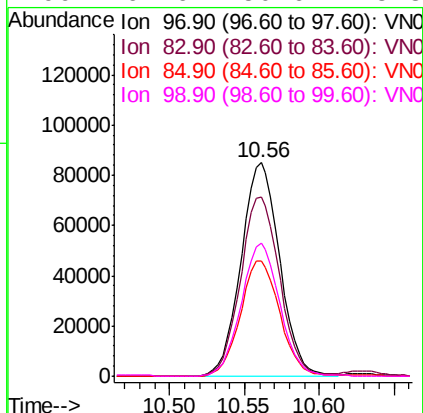
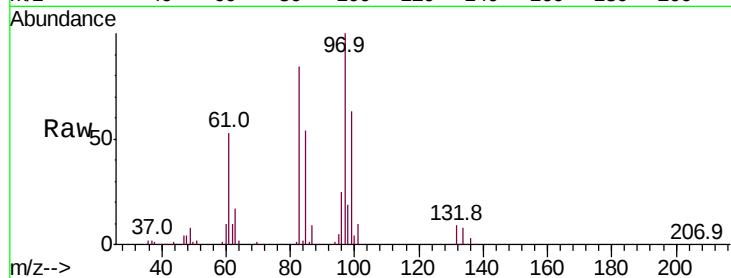




#55
 1,1,2-Trichloroethane
 Concen: 51.342 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

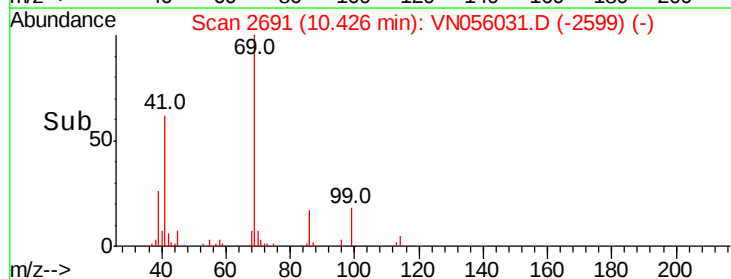
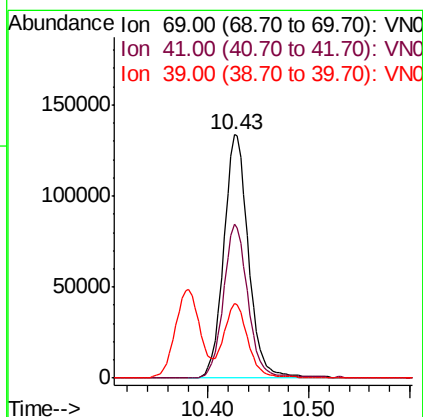
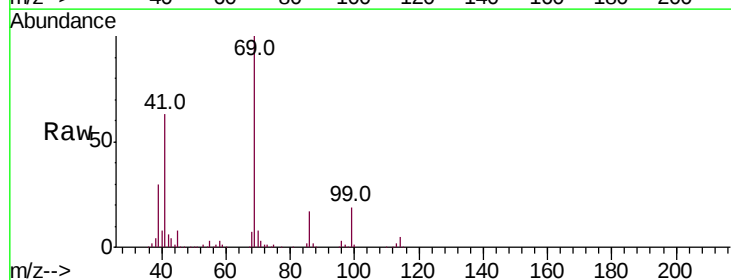
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

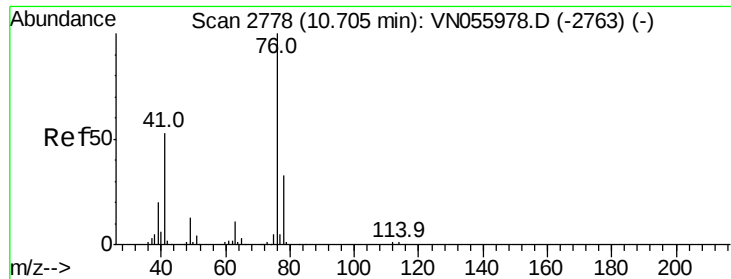
Tot Ion:	97	Resp:	152977
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	54.2	44.0	66.0
99	62.6	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 52.760 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion:	69	Resp:	229341
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.655 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

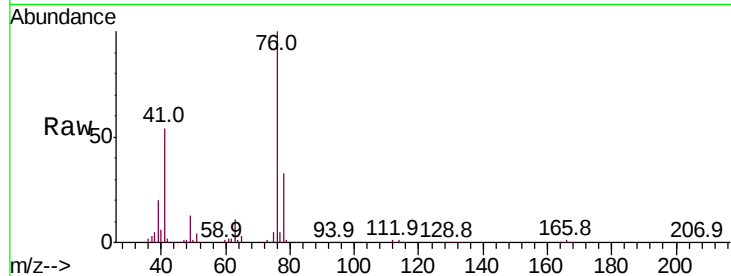
VSTDCCC050

Tot Ion: 76 Resp: 250200

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

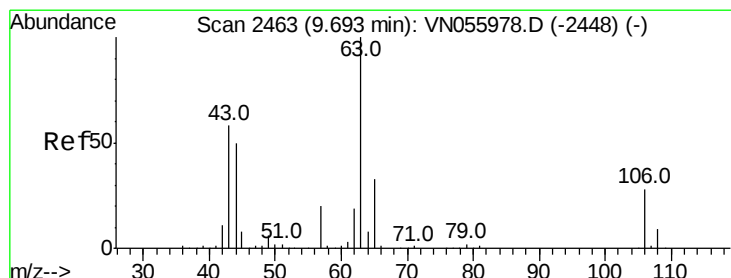
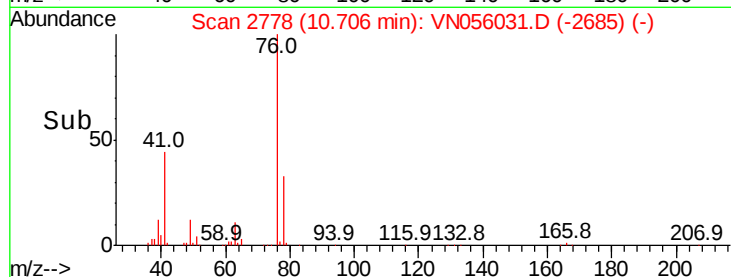
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 236.526 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056031.D

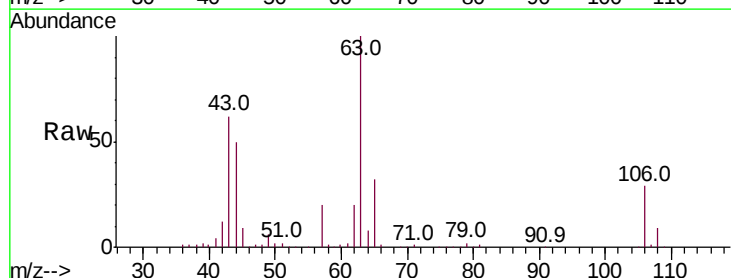
Acq: 6 Jun 2019 8:56

Tgt Ion: 63 Resp: 406176

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

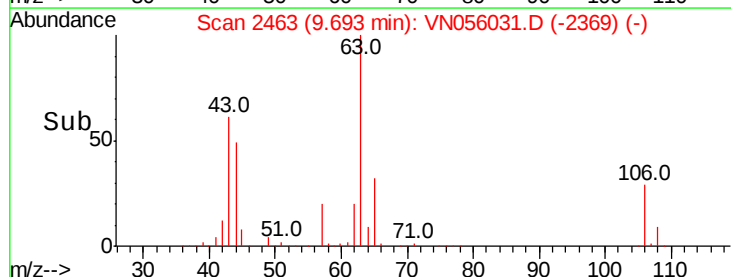
150000

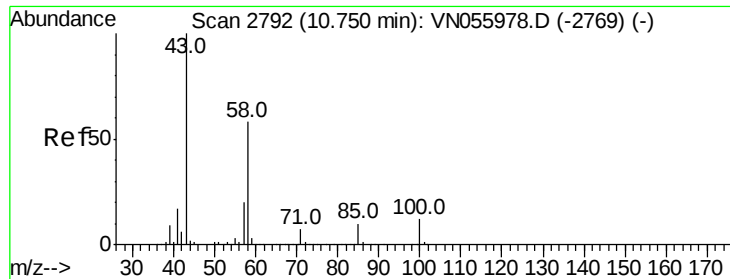
100000

50000

0

Time--> 9.60 9.70 9.80

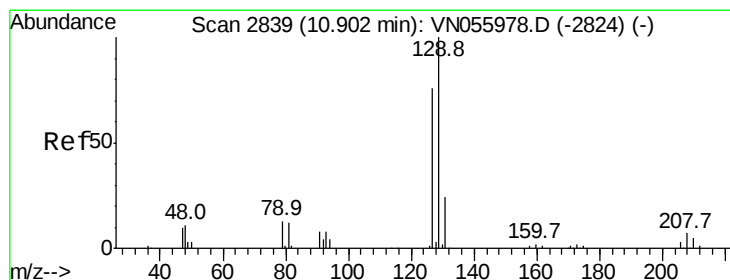
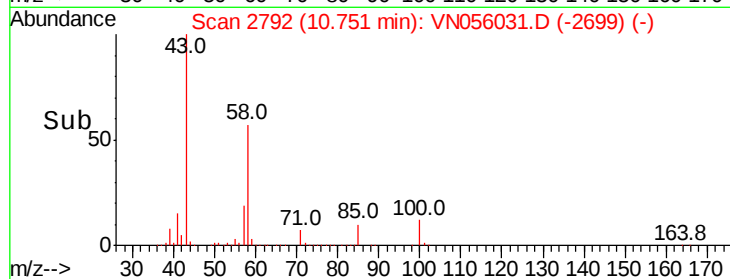
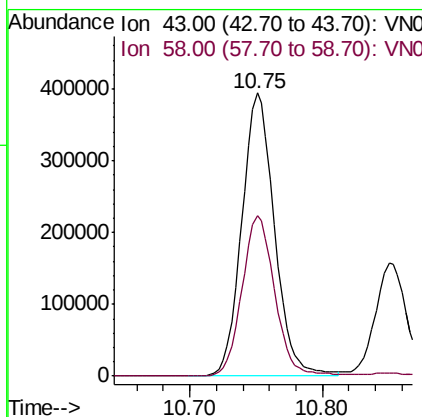
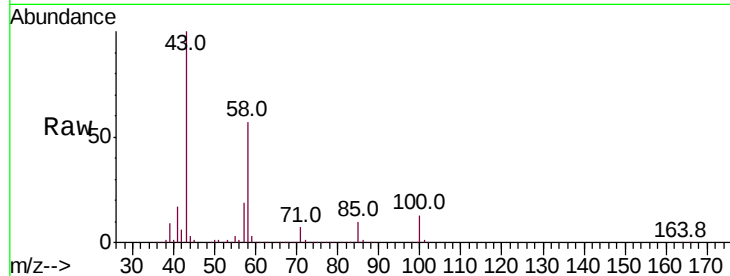




#59
2-Hexanone
Concen: 258.881 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

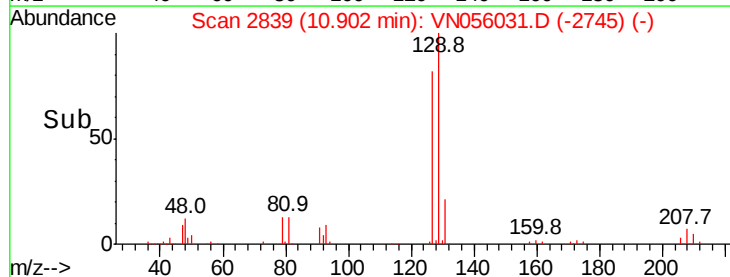
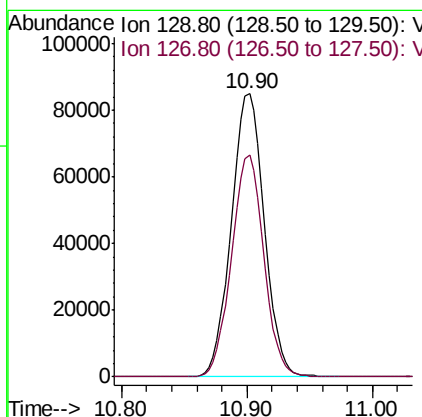
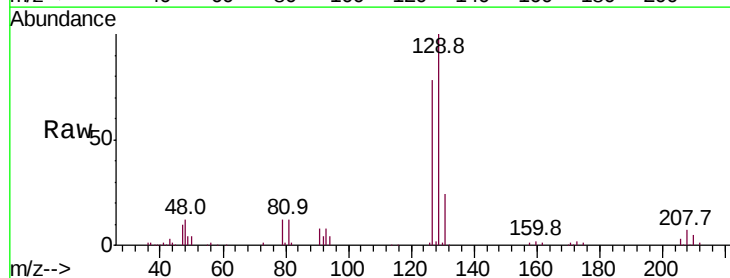
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

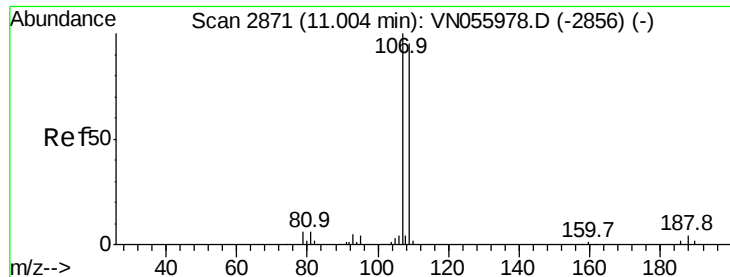
Tot Ion: 43 Resp: 673320
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7



#60
Dibromochloromethane
Concen: 47.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 129 Resp: 155258
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.918 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

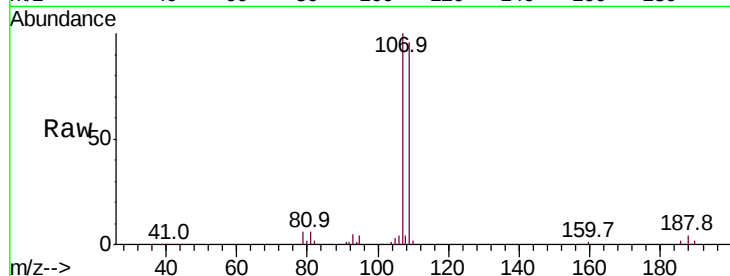
VSTDCCC050

Tot Ion:107 Resp: 158145

Ion Ratio Lower Upper

107 100

109 95.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

60000

40000

20000

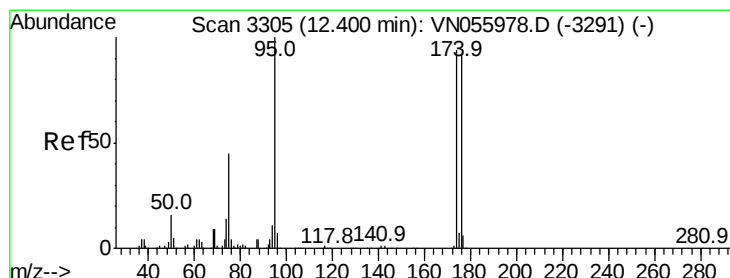
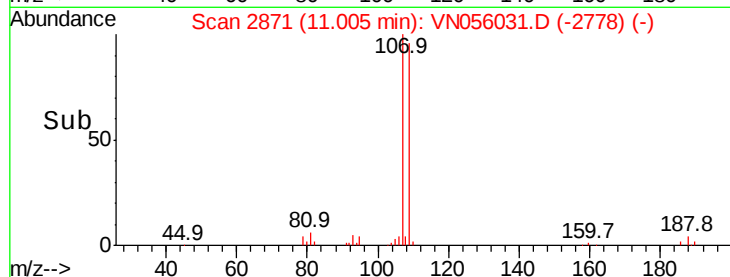
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 50.972 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

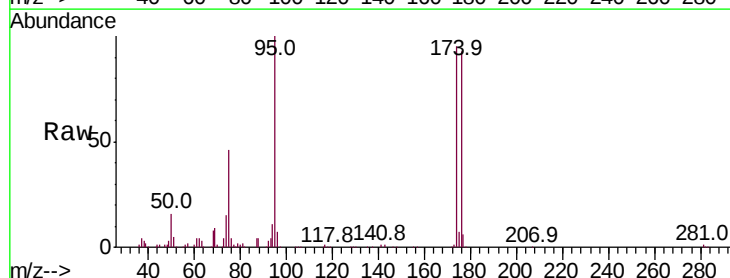
Tgt Ion: 95 Resp: 189422

Ion Ratio Lower Upper

95 100

174 95.1 0.0 191.0

176 92.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

100000

50000

0

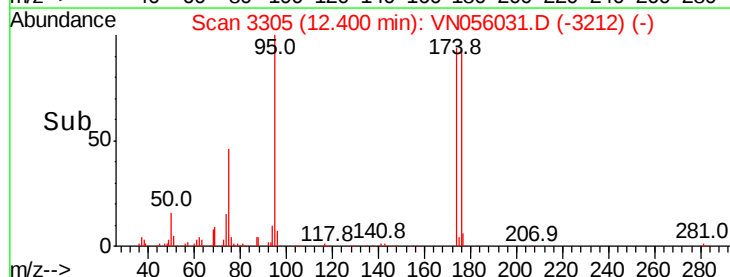
Time-->

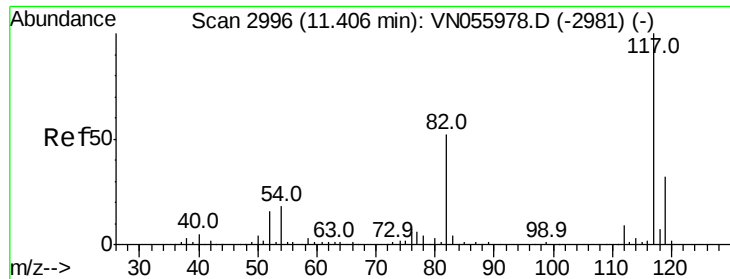
12.35

12.40

12.45

12.50

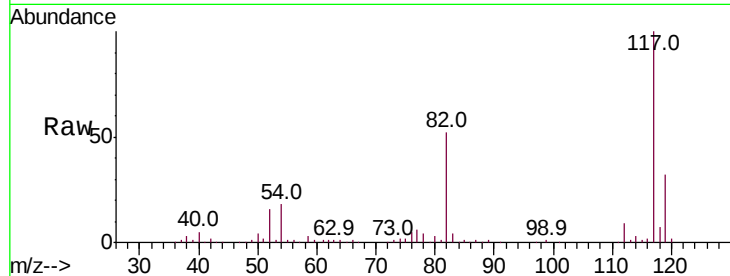




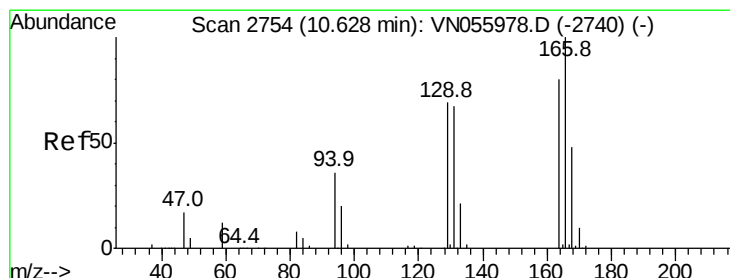
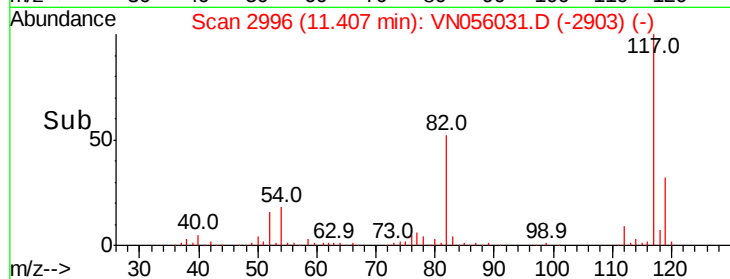
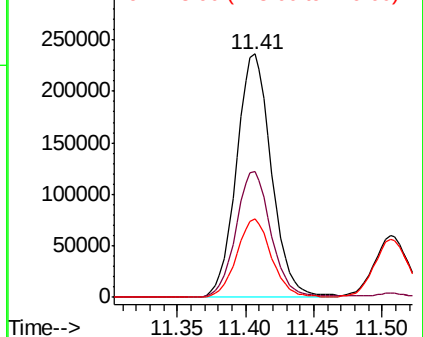
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 421004
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 32.2 25.4 38.0

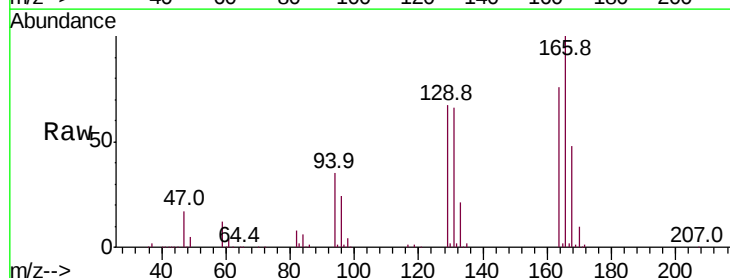


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

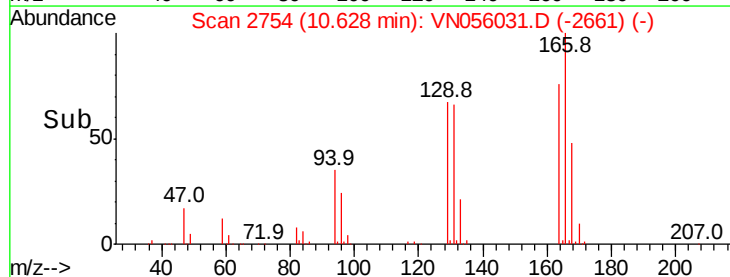
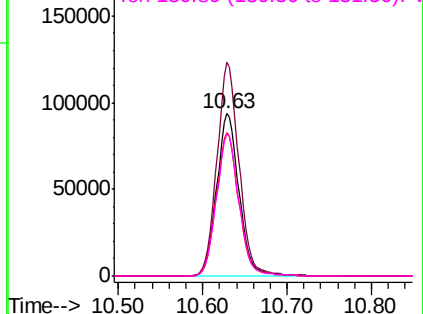


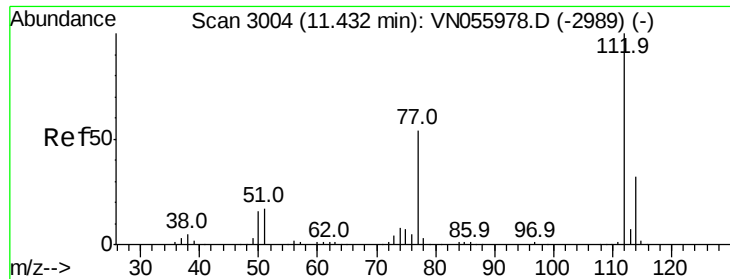
#64
Tetrachloroethene
Concen: 47.401 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:164 Resp: 172742
Ion Ratio Lower Upper
164 100
166 131.8 103.0 154.6
129 88.6 70.6 105.8
131 87.5 68.6 102.8



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

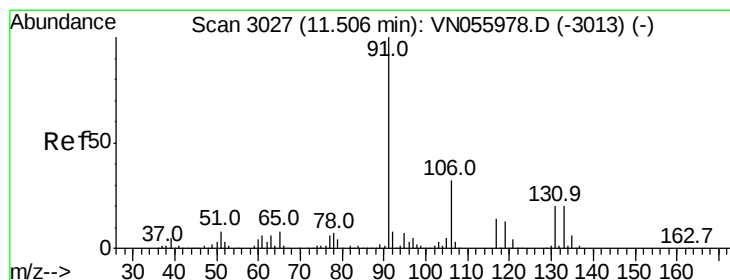
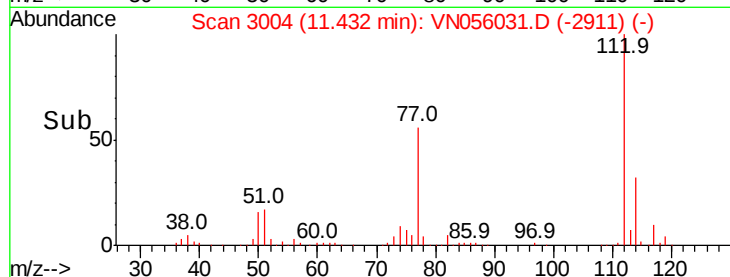
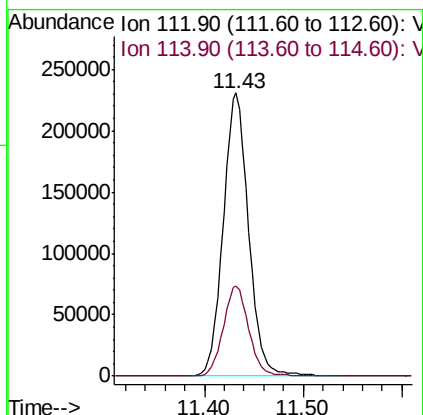
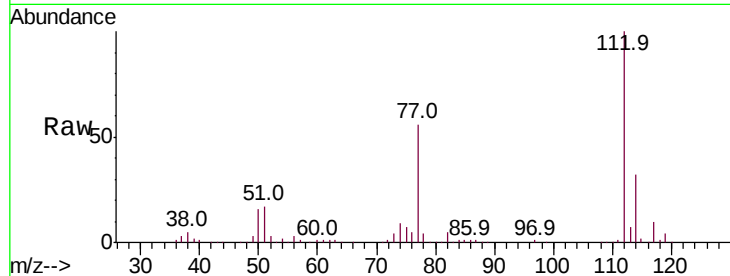




#65
Chlorobenzene
Concen: 49.620 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

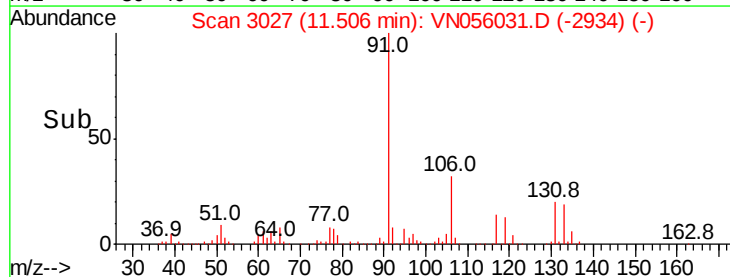
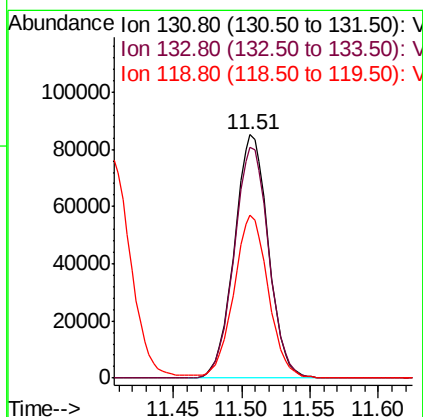
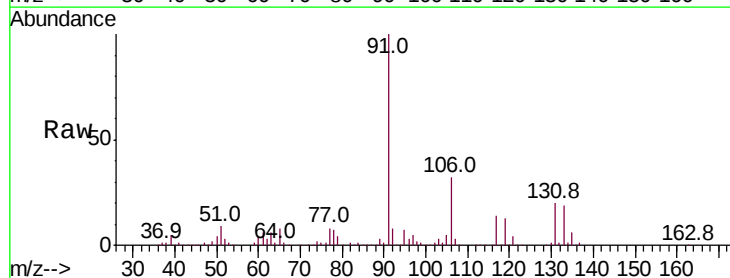
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

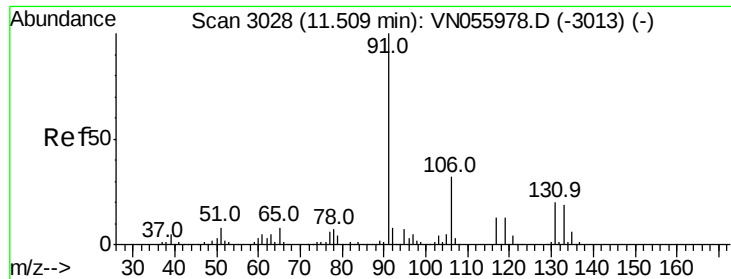
Tot Ion:112 Resp: 415761
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.081 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:131 Resp: 147782
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 67.7 33.1 99.5

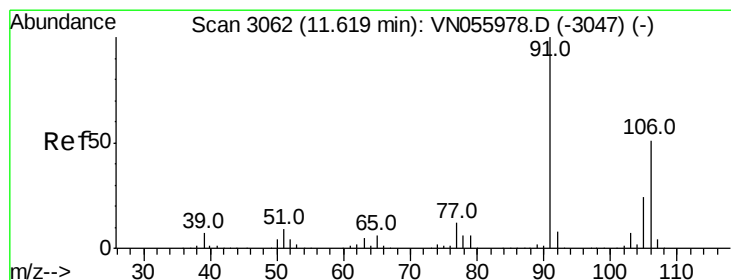
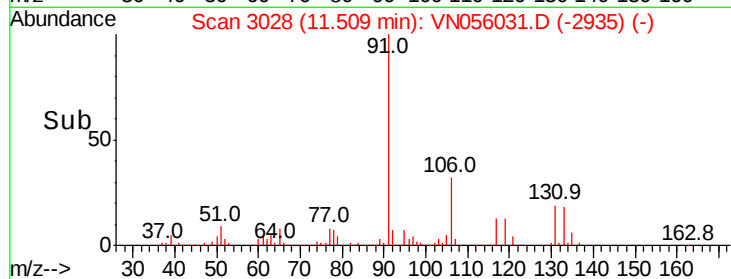
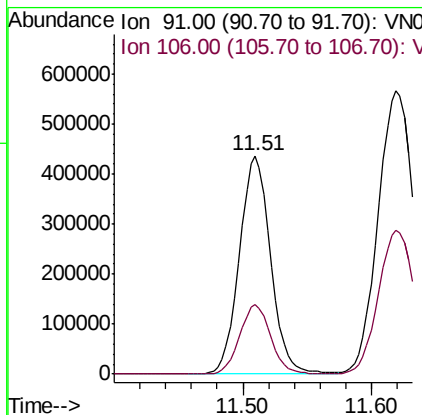
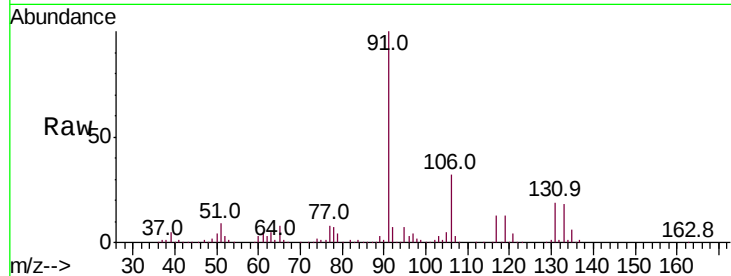




#67
Ethyl Benzene
Concen: 50.514 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

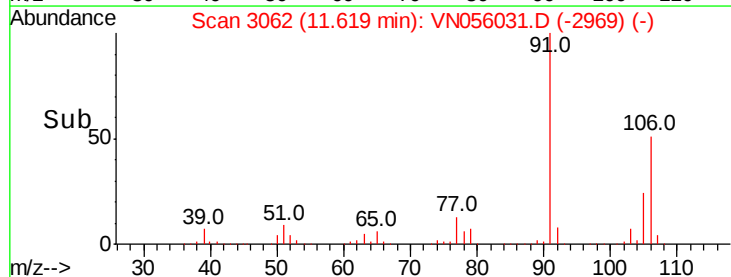
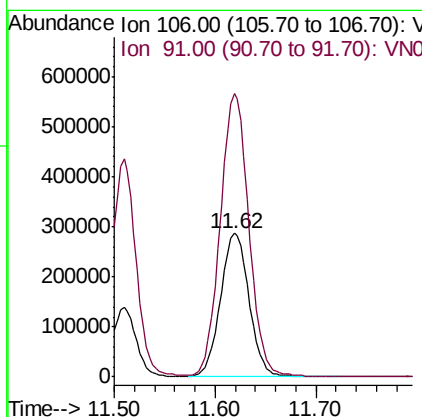
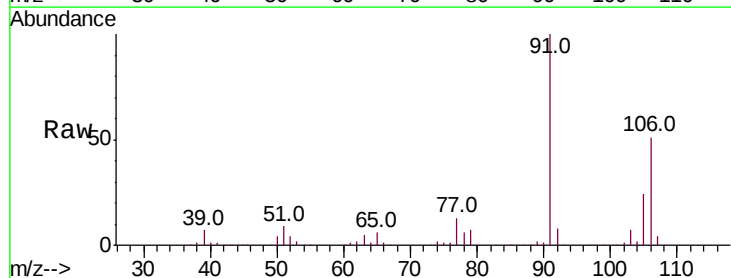
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

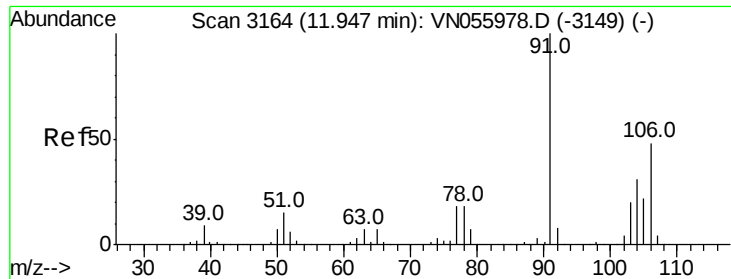
Tot Ion: 91 Resp: 735953
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 102.540 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 106 Resp: 570705
Ion Ratio Lower Upper
106 100
91 196.7 159.3 238.9

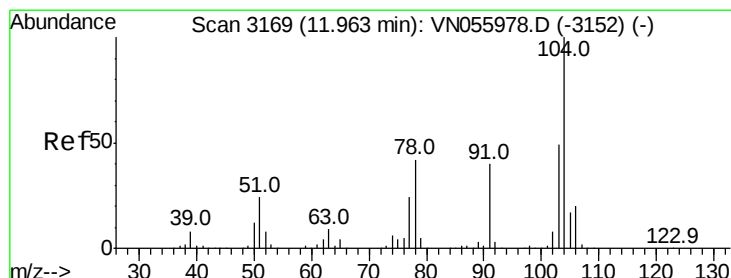
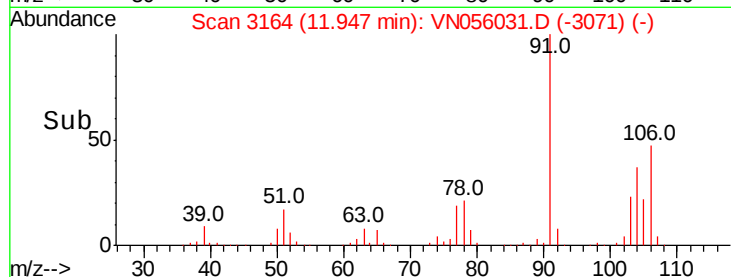
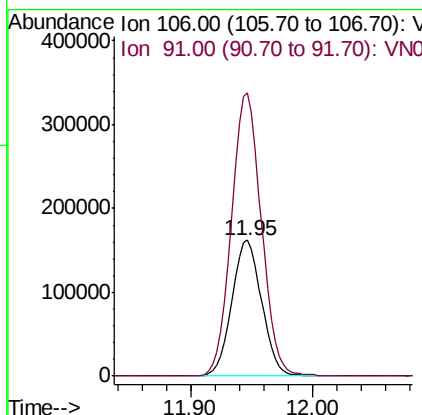
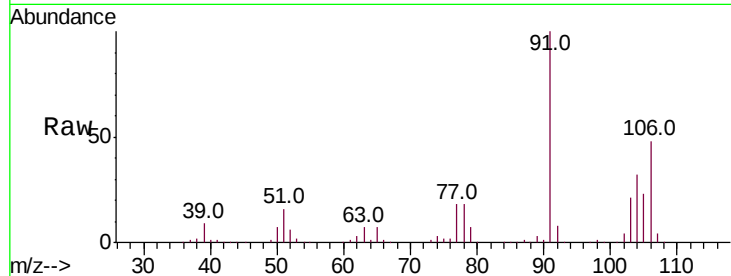




#69
o-Xylene
Concen: 50.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

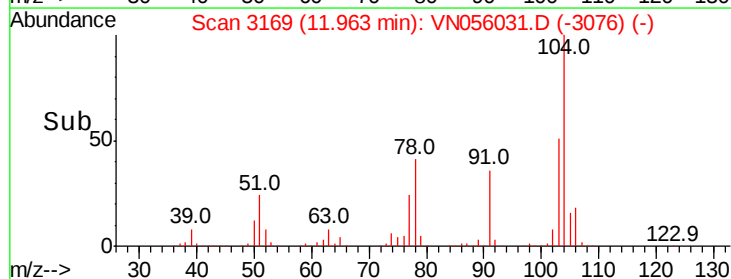
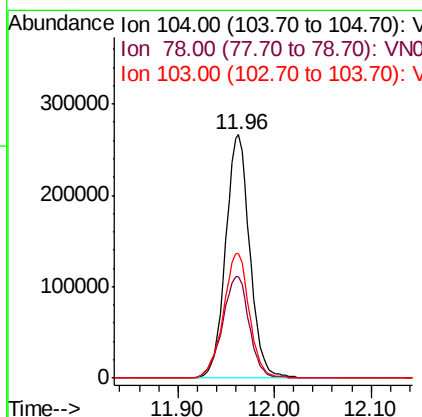
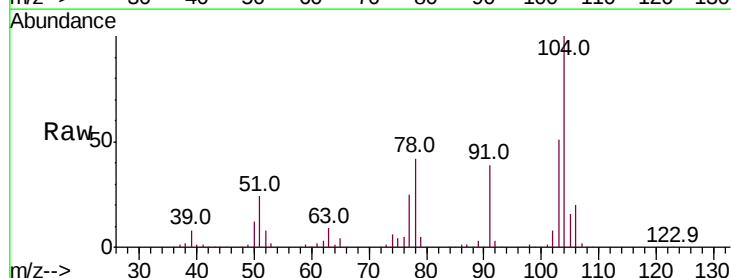
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

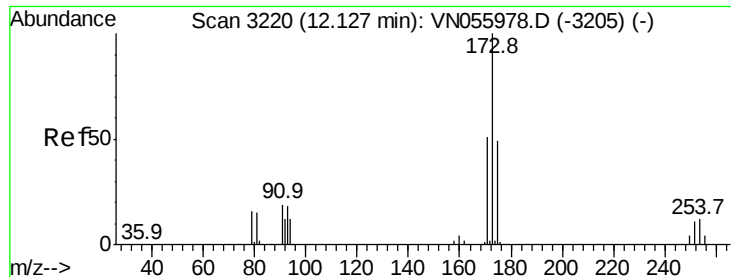
Tot Ion:106 Resp: 276529
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1



#70
Styrene
Concen: 53.051 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:104 Resp: 461465
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.2 44.2 66.2

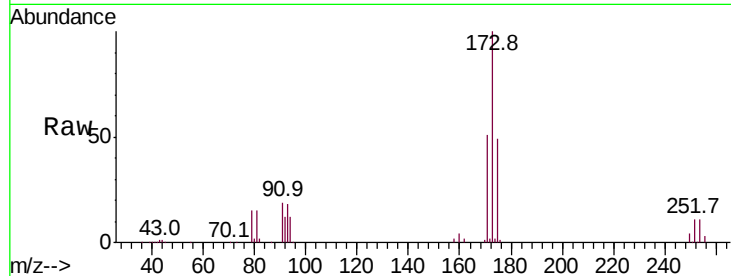




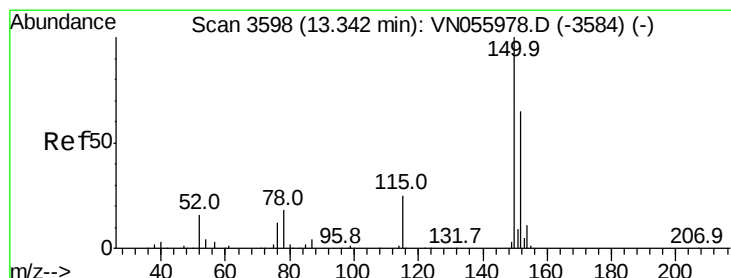
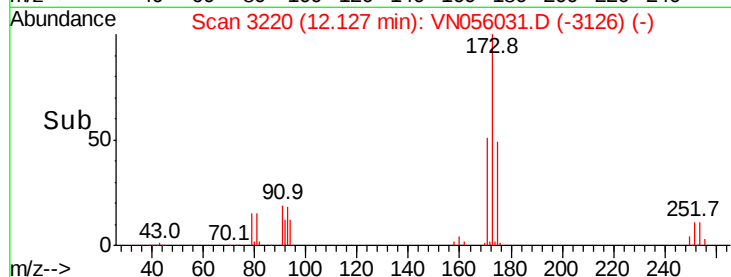
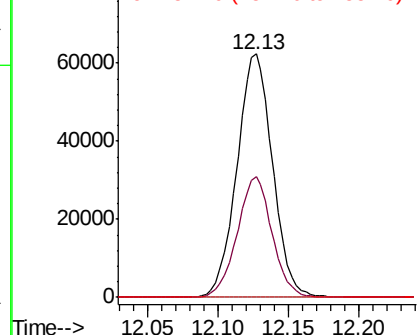
#71
Bromoform
Concen: 45.558 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 110032
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.0 0.0

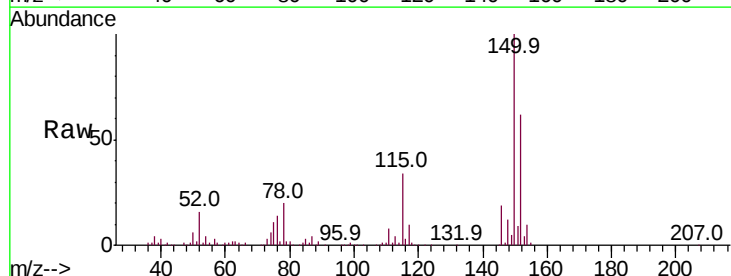


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

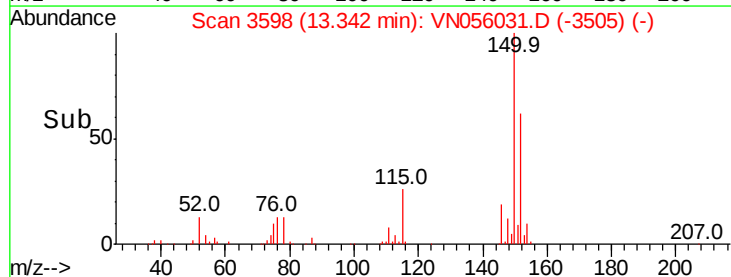
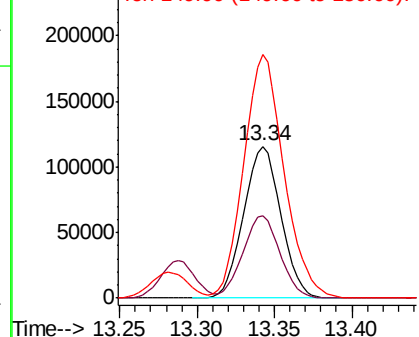


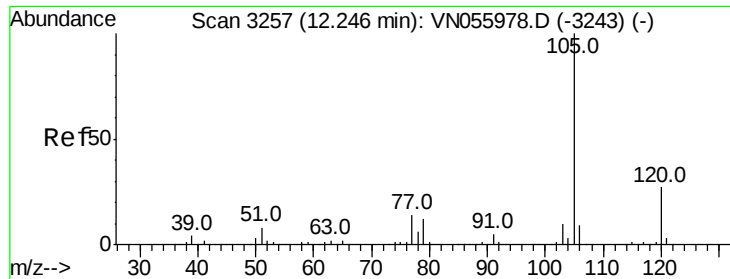
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:152 Resp: 194062
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 173.2 0.0 343.2



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: 53.134 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

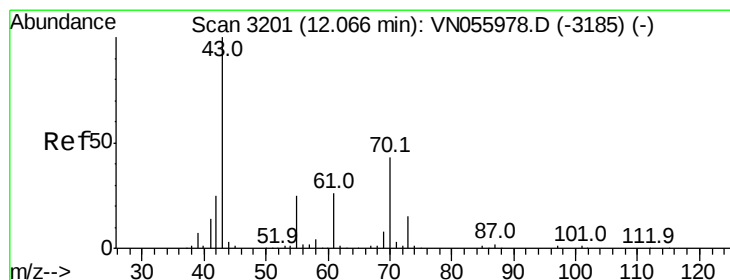
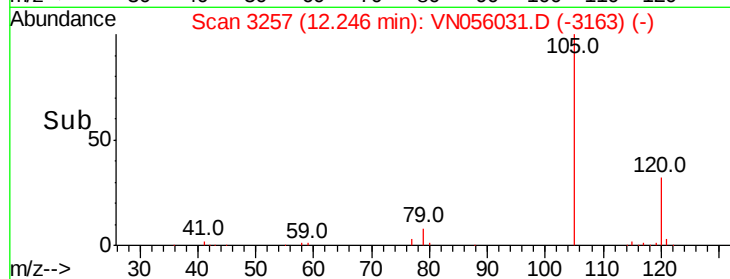
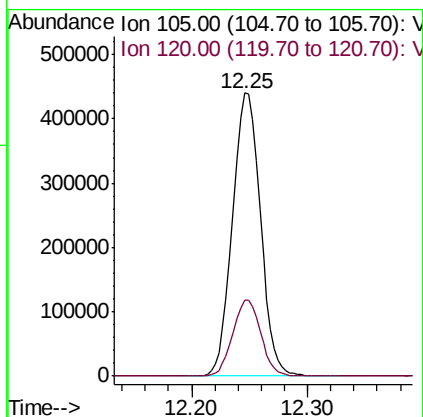
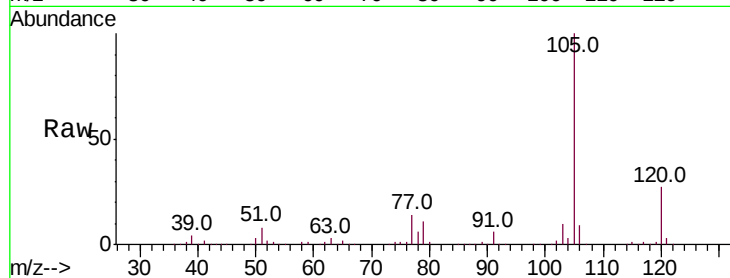
VSTDCCC050

Tot Ion:105 Resp: 732897

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 48.318 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion: 43 Resp: 249948

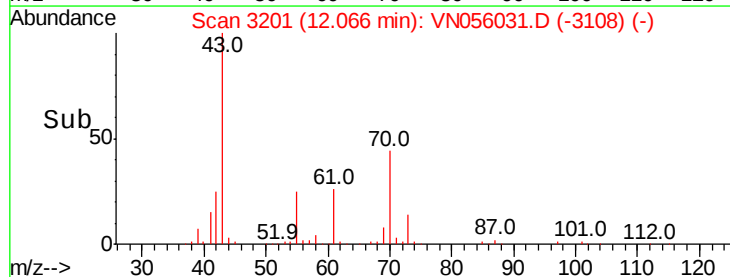
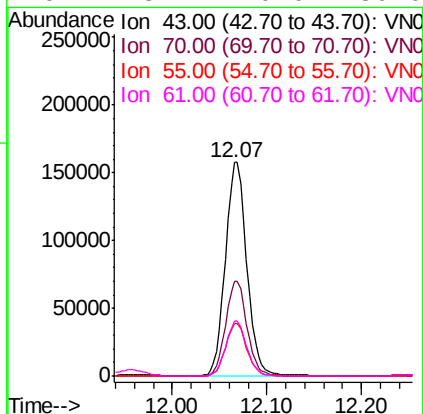
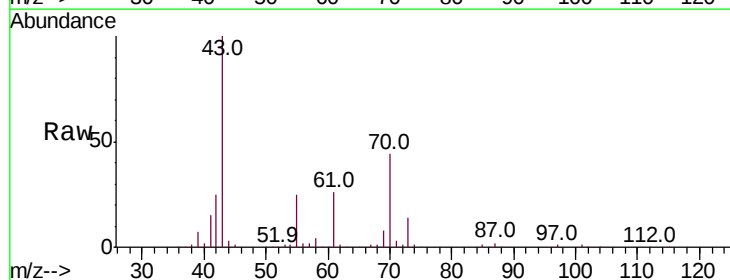
Ion Ratio Lower Upper

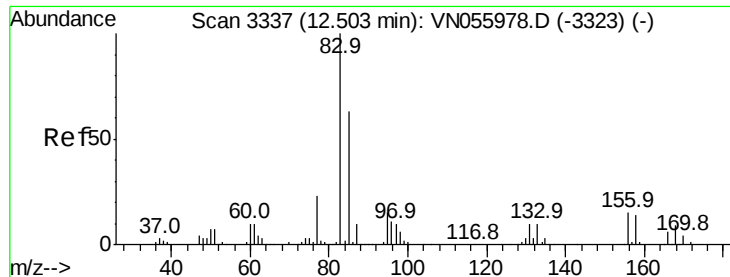
43 100

70 44.1 34.0 51.0

55 24.4 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.121 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

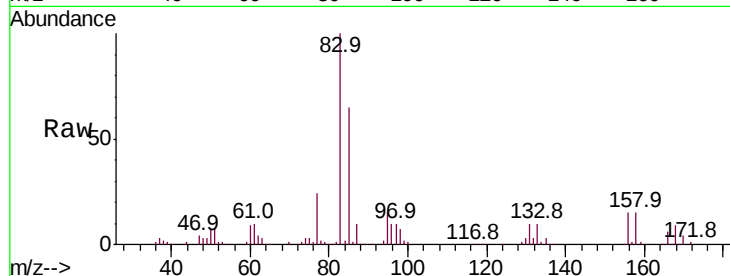
Tot Ion: 83 Resp: 207776

Ion Ratio Lower Upper

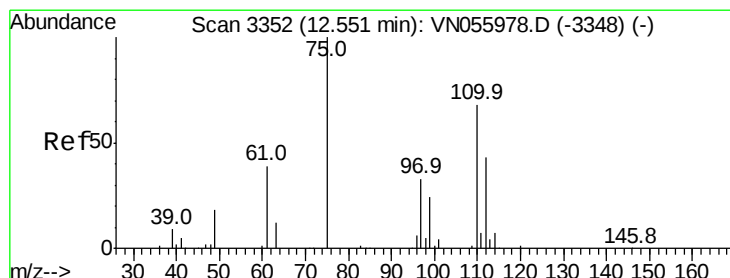
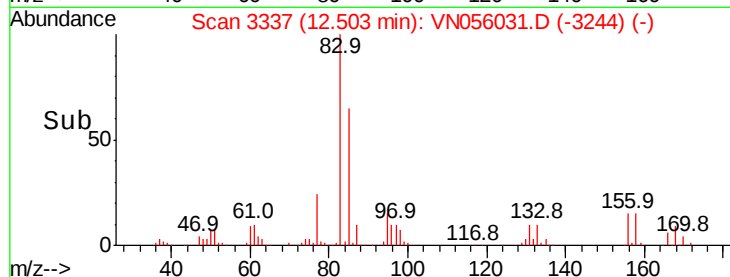
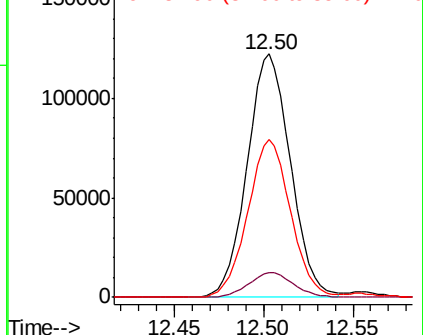
83 100

131 10.6 5.4 16.2

85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 69.490 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056031.D

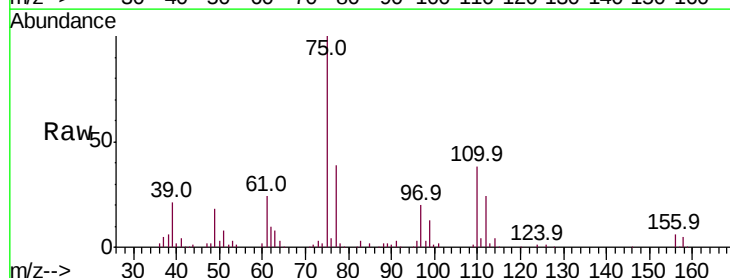
Acq: 6 Jun 2019 8:56

Tgt Ion: 75 Resp: 248136

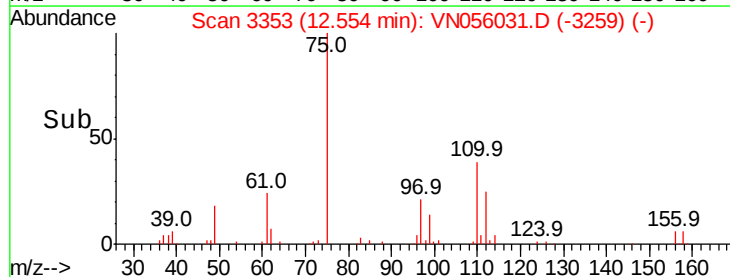
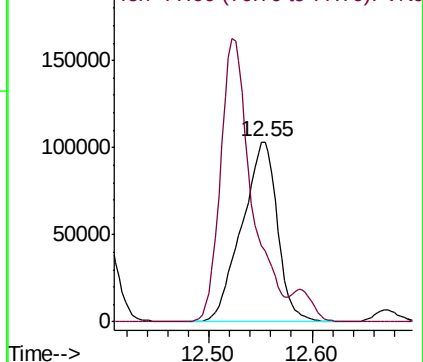
Ion Ratio Lower Upper

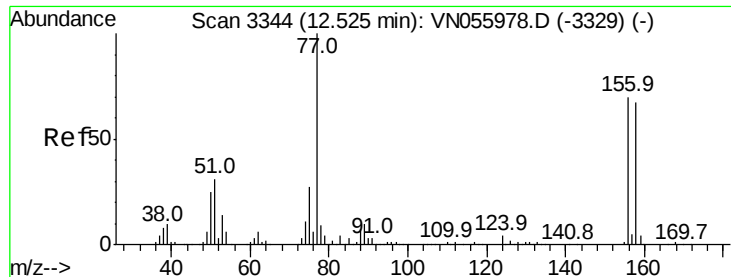
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.734 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

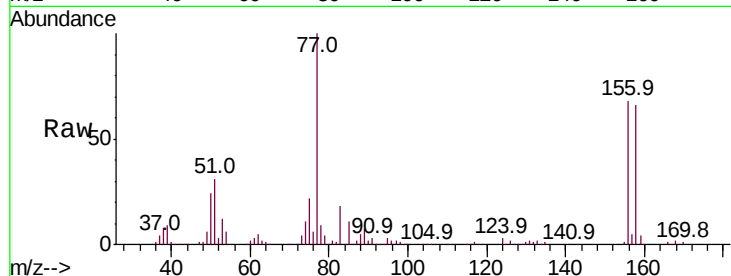
Tot Ion:156 Resp: 194173

Ion Ratio Lower Upper

156 100

77 175.6 90.8 272.5

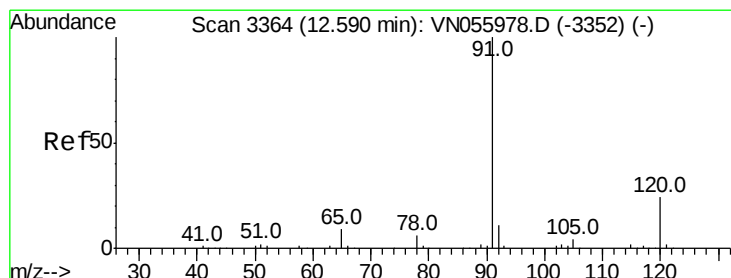
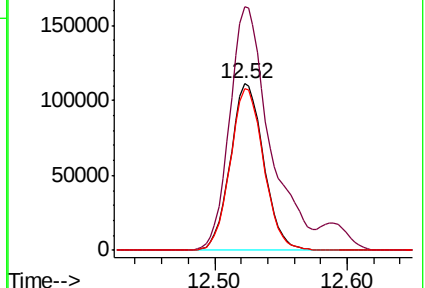
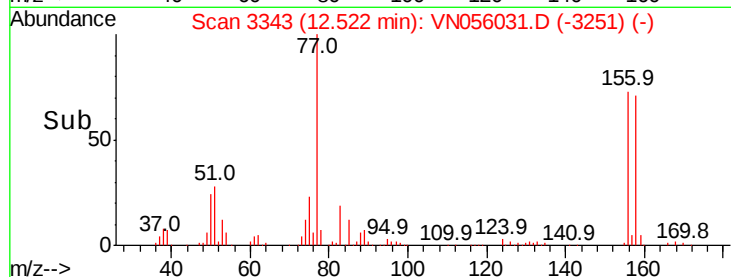
158 97.2 49.3 147.8



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: 48.746 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056031.D

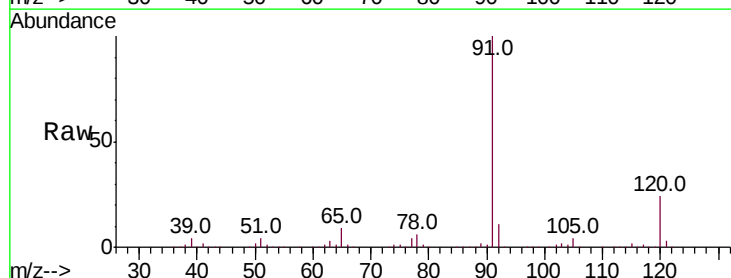
Acq: 6 Jun 2019 8:56

Tgt Ion: 91 Resp: 800290

Ion Ratio Lower Upper

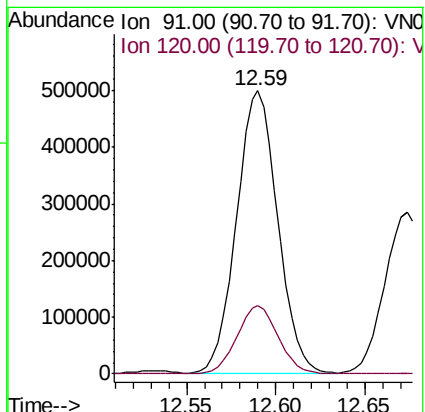
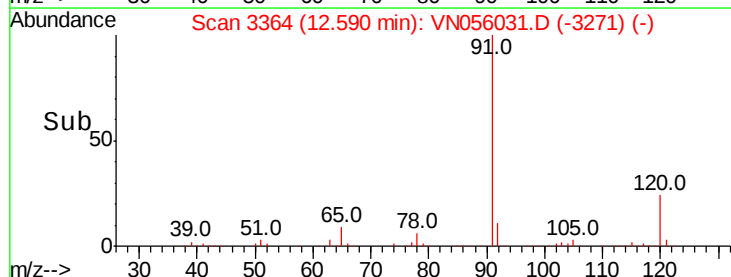
91 100

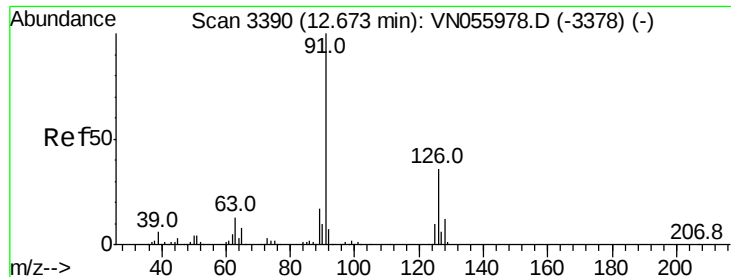
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.311 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

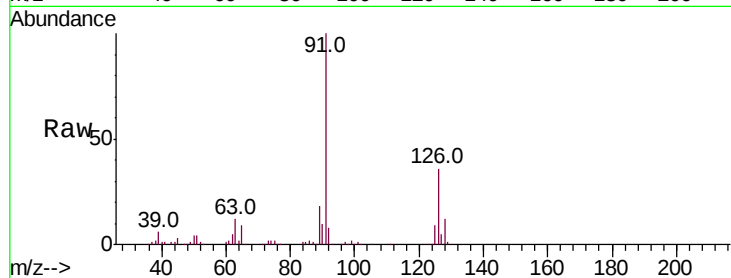
VSTDCCC050

Tot Ion: 91 Resp: 475380

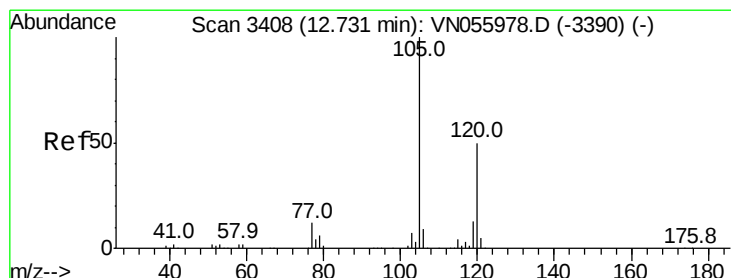
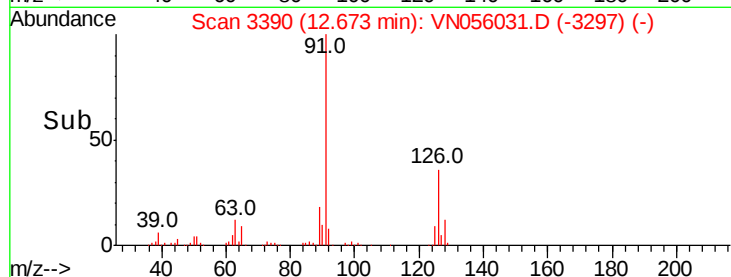
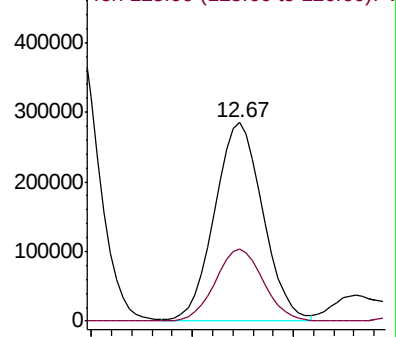
Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.262 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056031.D

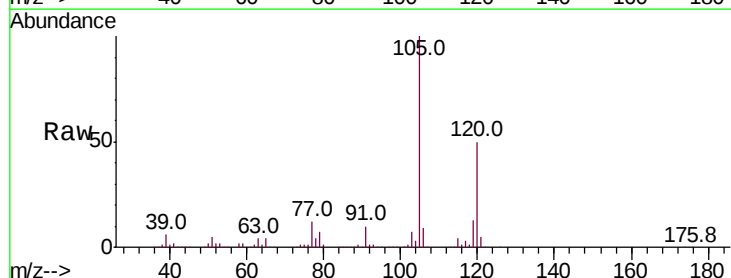
Acq: 6 Jun 2019 8:56

Tgt Ion:105 Resp: 616676

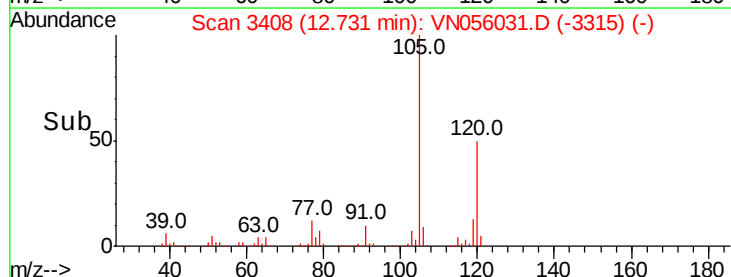
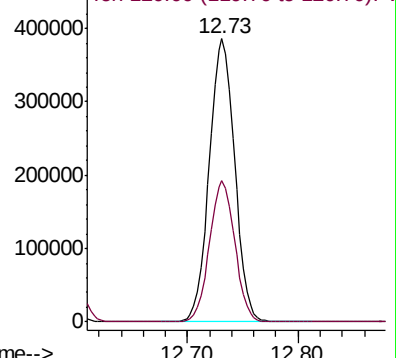
Ion Ratio Lower Upper

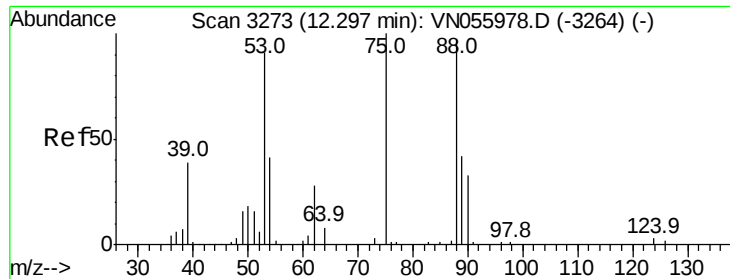
105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.401 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

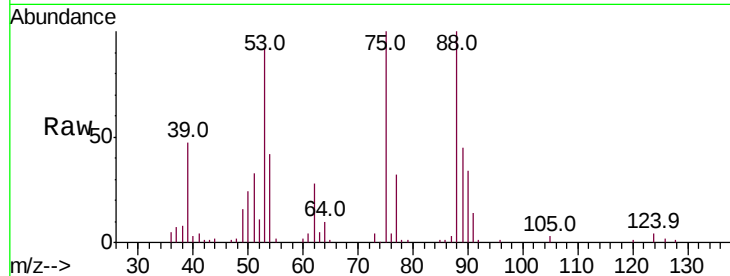
Tot Ion: 75 Resp: 54043

Ion Ratio Lower Upper

75 100

53 94.1 68.1 102.1

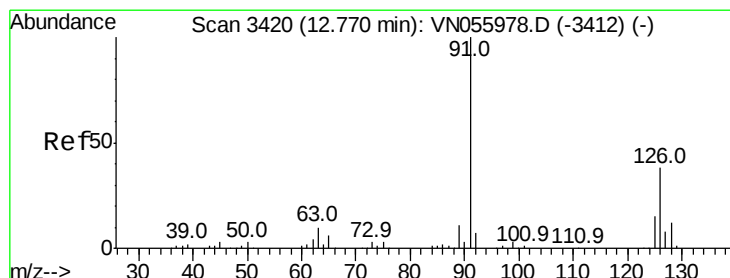
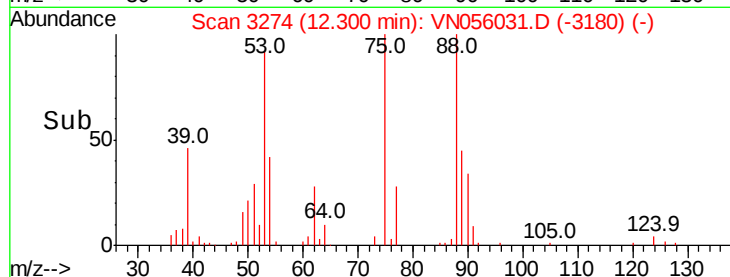
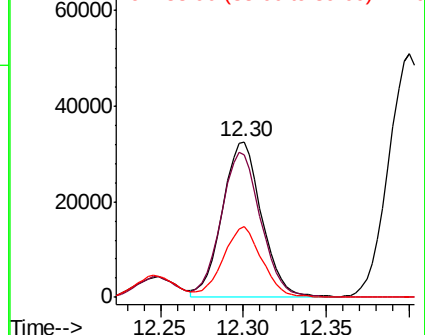
89 44.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.002 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056031.D

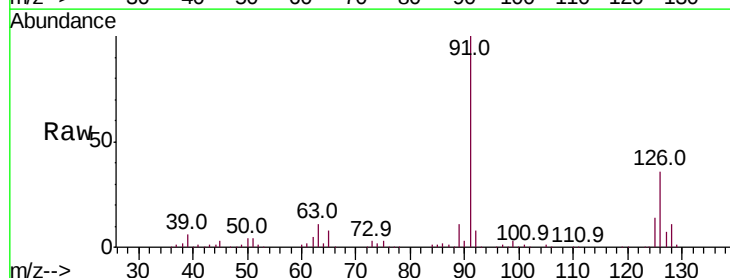
Acq: 6 Jun 2019 8:56

Tgt Ion: 91 Resp: 470661

Ion Ratio Lower Upper

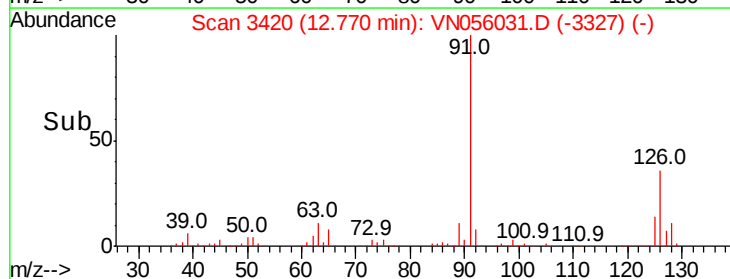
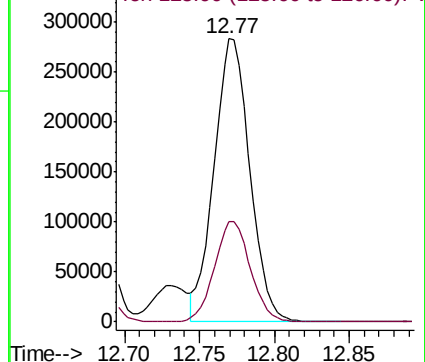
91 100

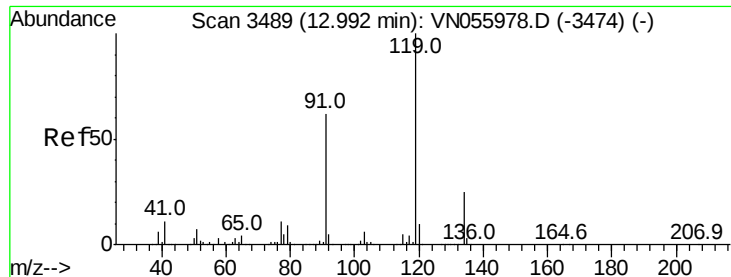
126 35.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.716 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

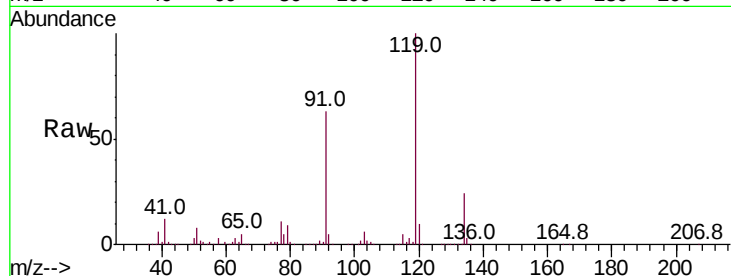
Tot Ion:119 Resp: 532186

Ion Ratio Lower Upper

119 100

91 61.3 30.9 92.8

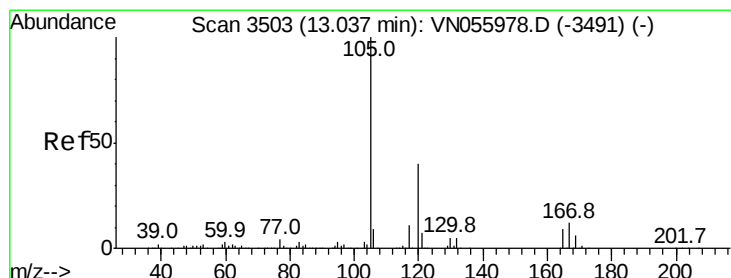
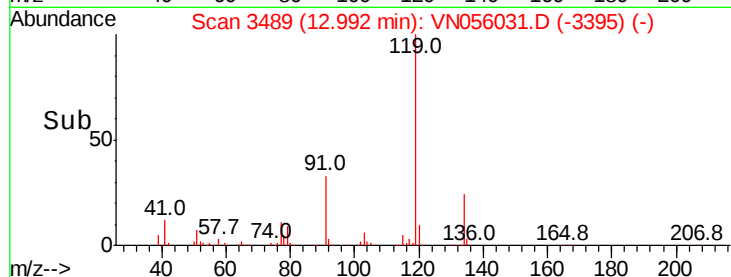
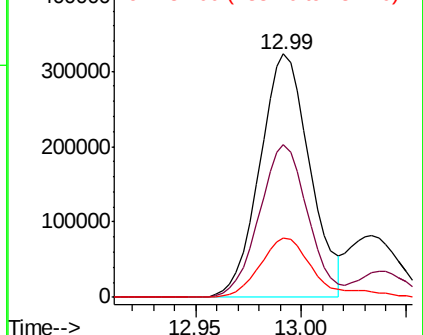
134 26.5 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.201 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN056031.D

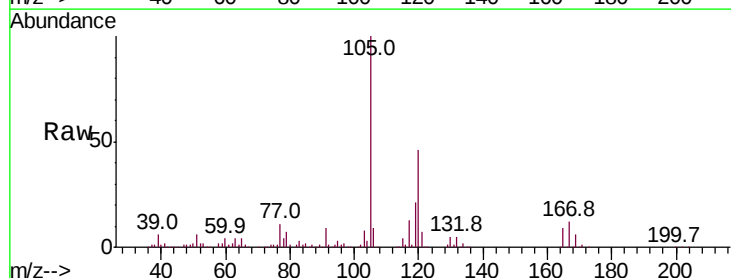
Acq: 6 Jun 2019 8:56

Tgt Ion:105 Resp: 608777

Ion Ratio Lower Upper

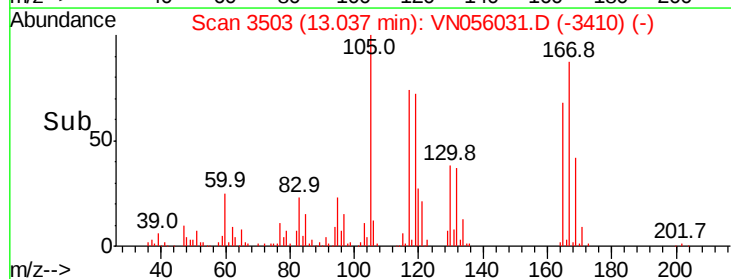
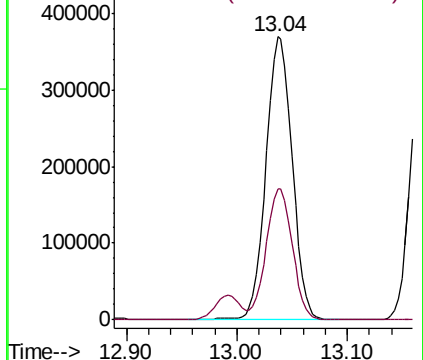
105 100

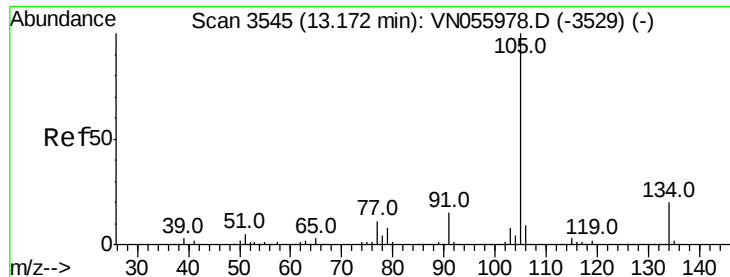
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

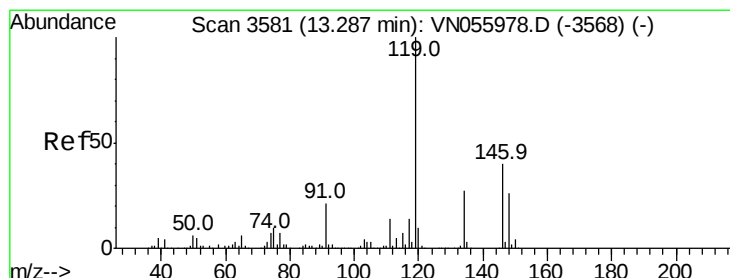
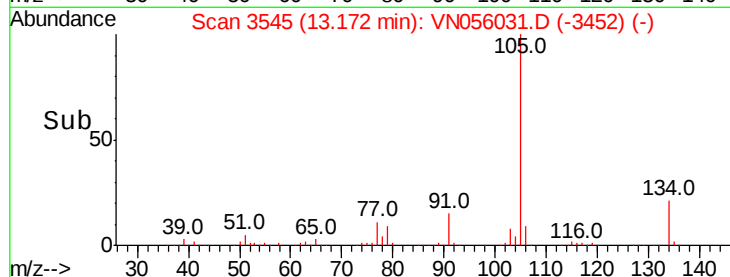
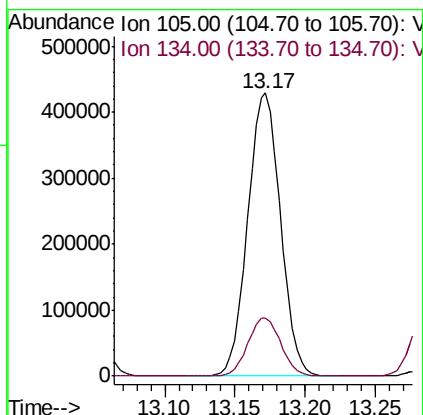
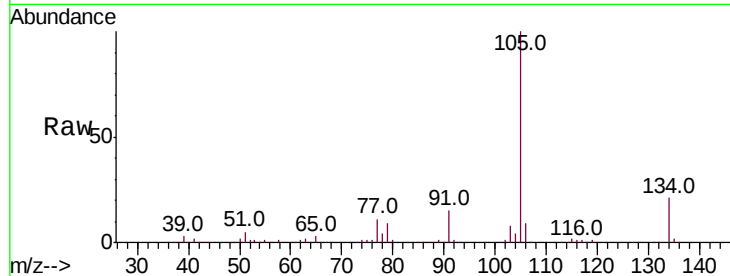




#85
 sec-Butylbenzene
 Concen: 47.984 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

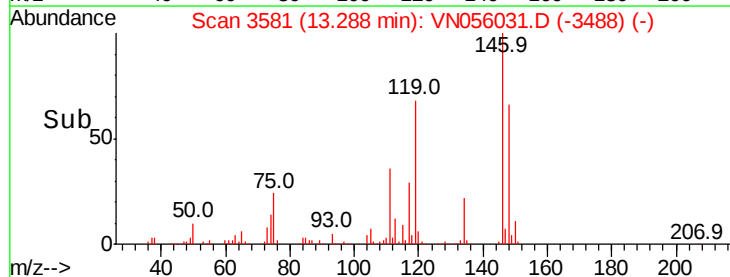
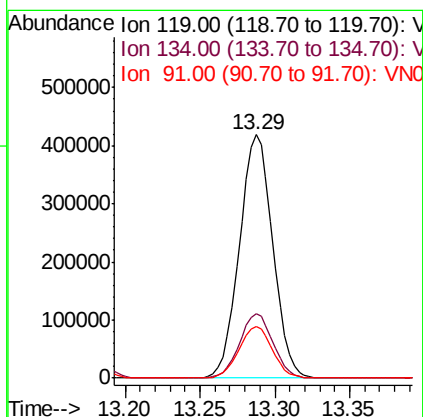
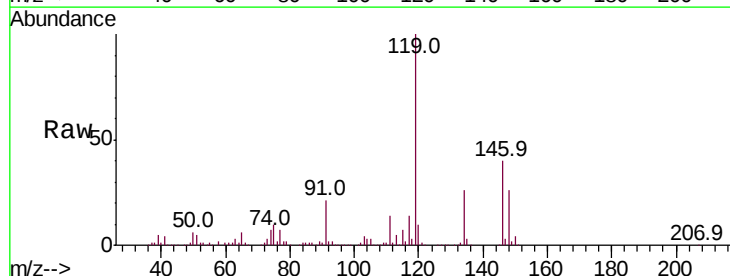
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

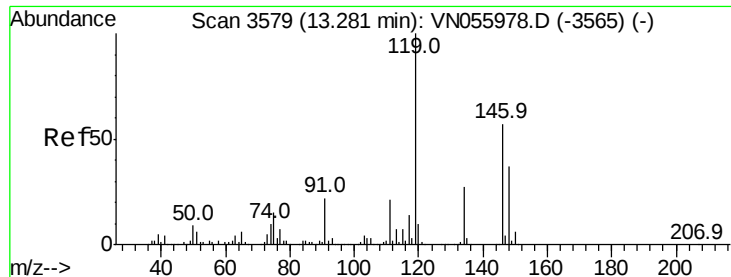
Tot Ion:105 Resp: 697645
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 49.722 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion:119 Resp: 646988
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 21.4 10.9 32.9

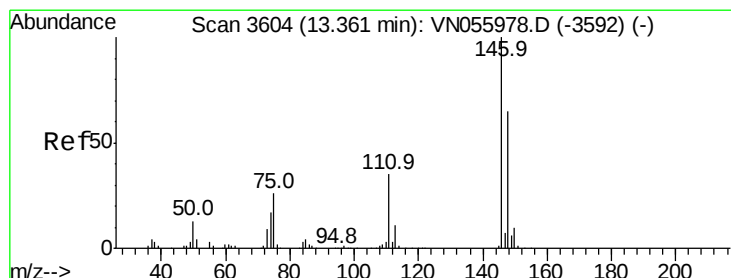
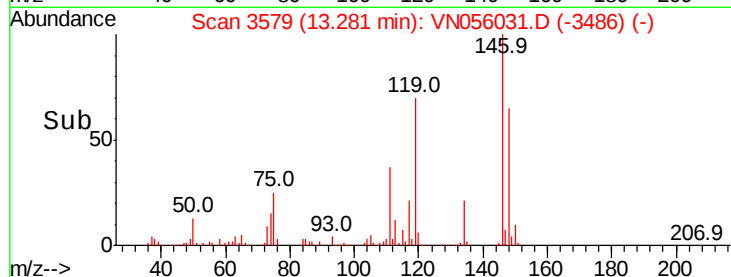
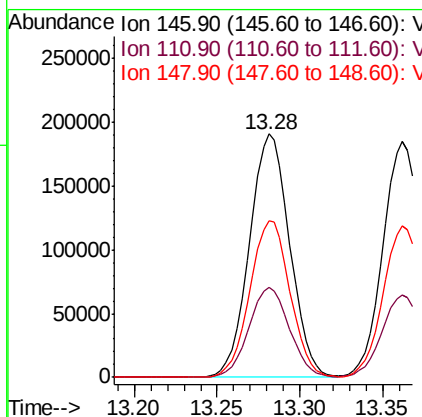
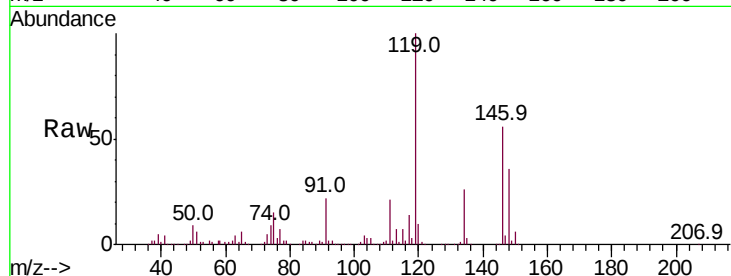




#87
 1,3-Dichlorobenzene
 Concen: 50.054 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

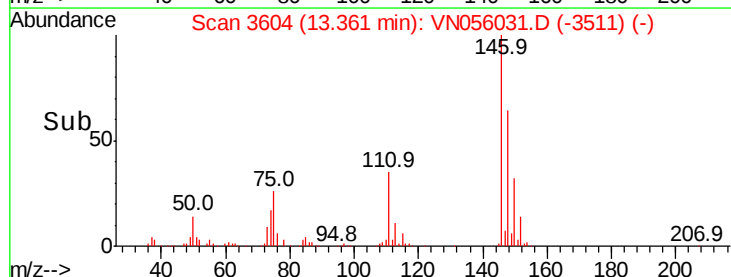
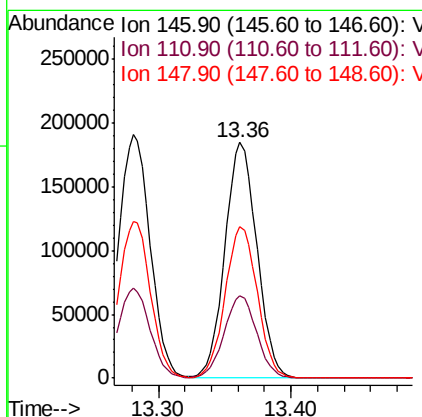
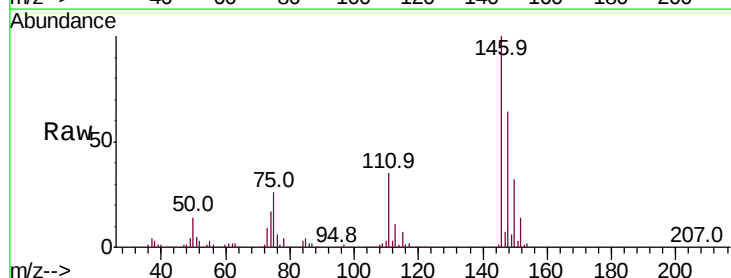
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

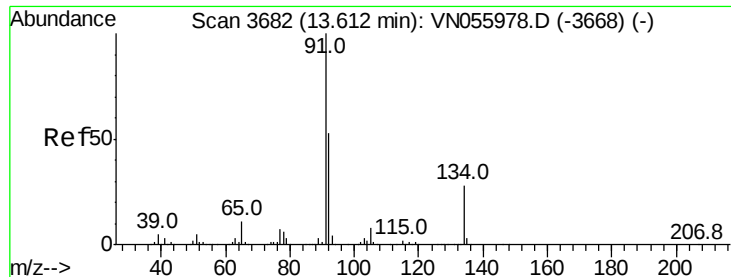
Tot Ion:146 Resp: 321868
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.035 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion:146 Resp: 309510
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.6 32.1 96.5

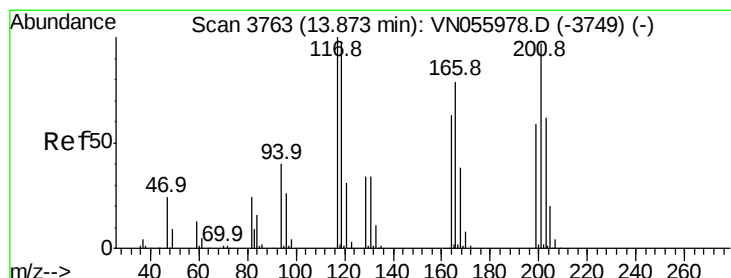
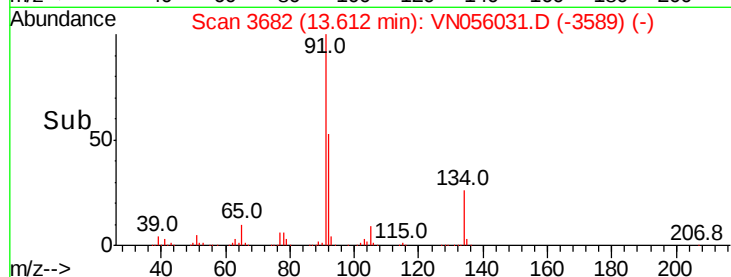
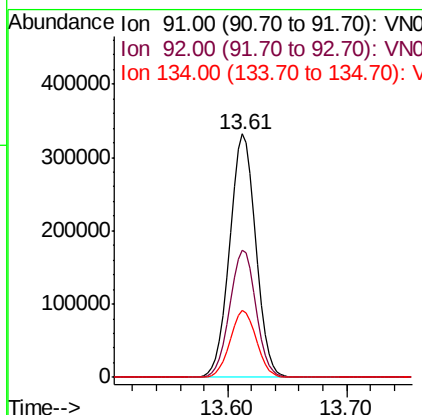
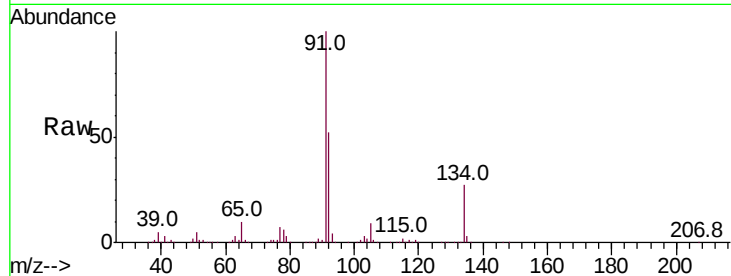




#89
n-Butylbenzene
Concen: 52.262 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

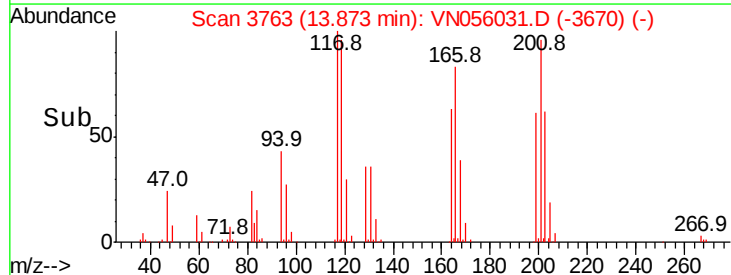
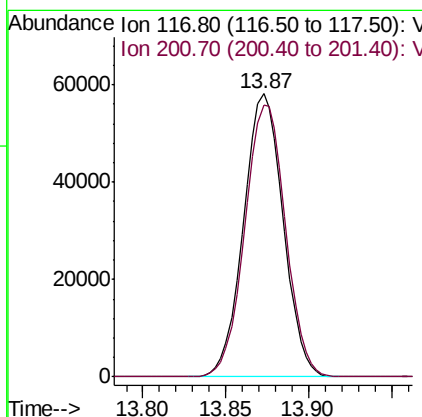
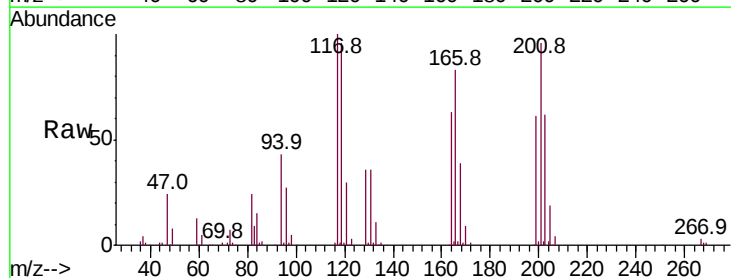
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

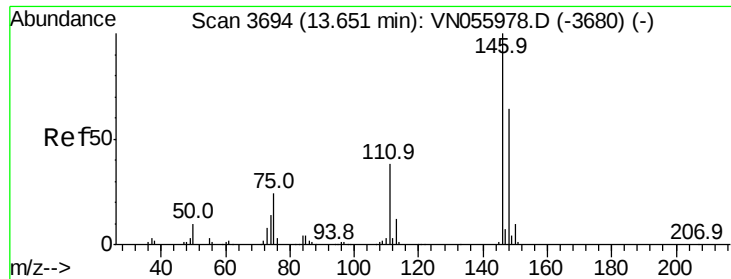
Tot Ion: 91 Resp: 503758
Ion Ratio Lower Upper
91 100
92 52.5 26.4 79.0
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 49.269 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 117 Resp: 96683
Ion Ratio Lower Upper
117 100
201 98.4 50.0 150.0

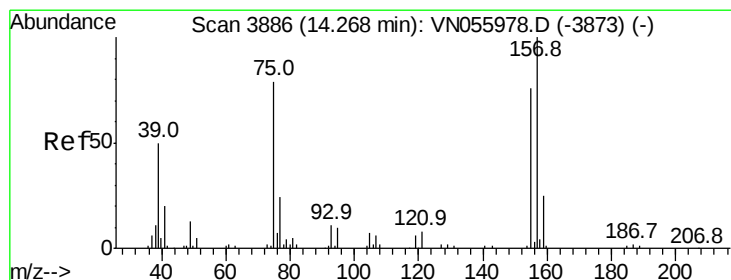
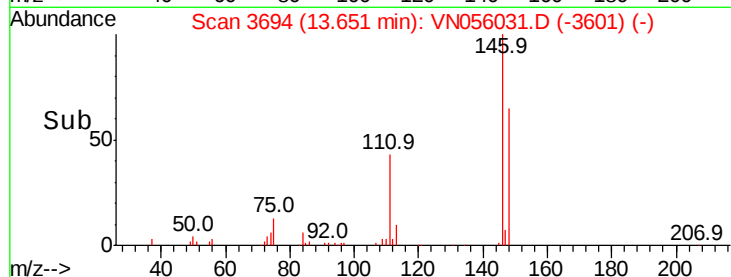
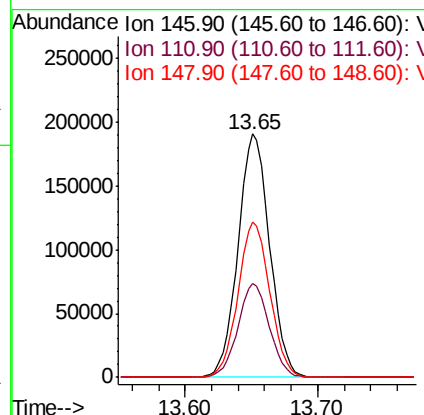
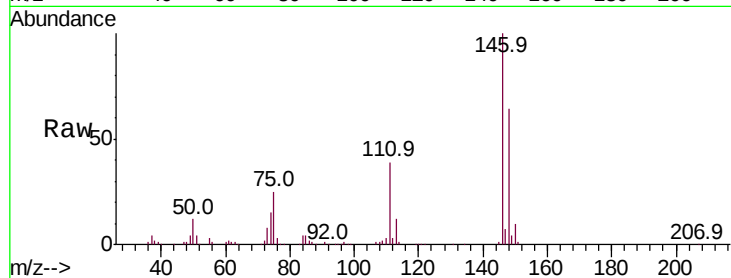




#91
 1,2-Dichlorobenzene
 Concen: 48.489 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

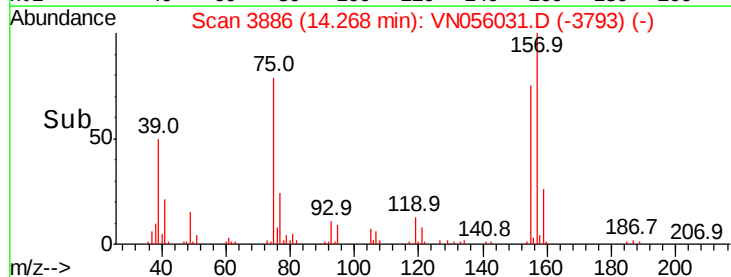
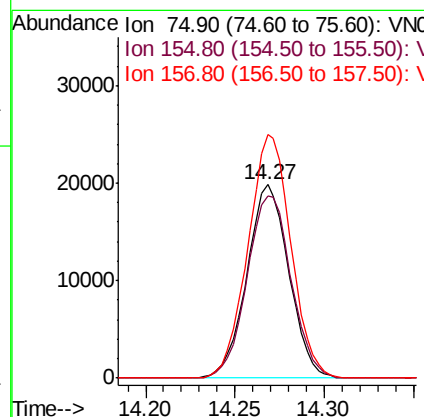
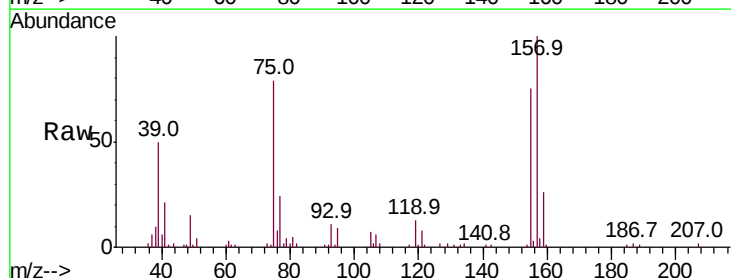
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

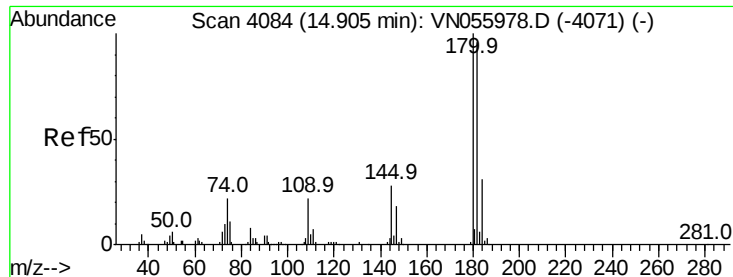
Tot Ion:146 Resp: 314803
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.5
 148 64.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.595 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 75 Resp: 32601
 Ion Ratio Lower Upper
 75 100
 155 98.8 50.0 150.1
 157 128.5 64.8 194.3

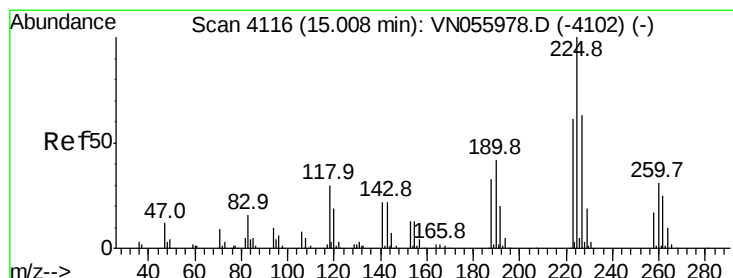
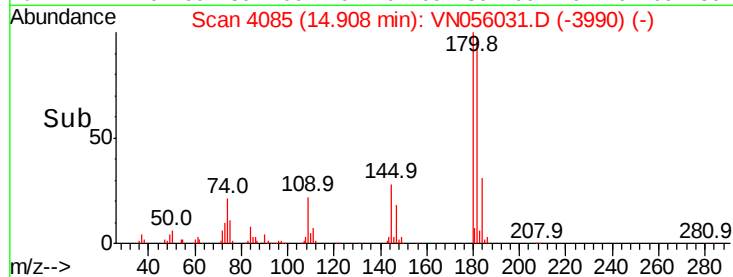
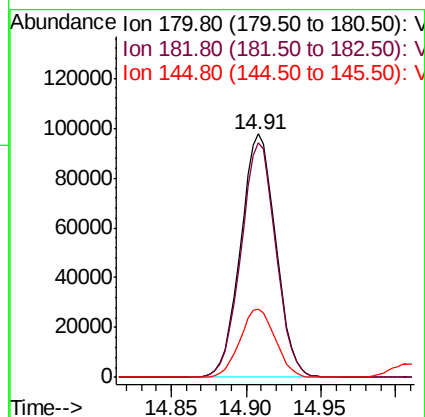
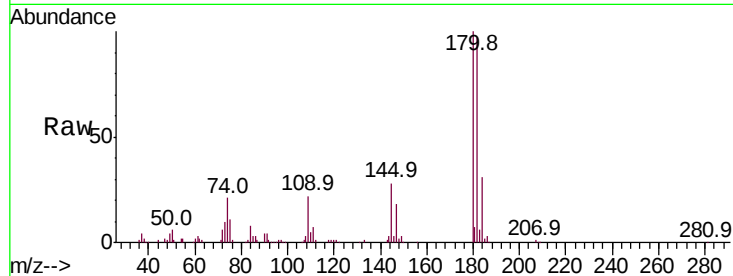




#93
 1,2,4-Trichlorobenzene
 Concen: 45.084 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

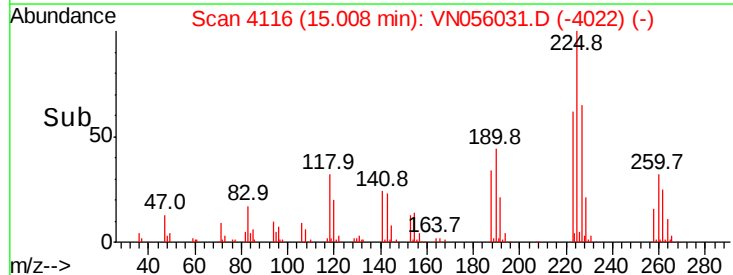
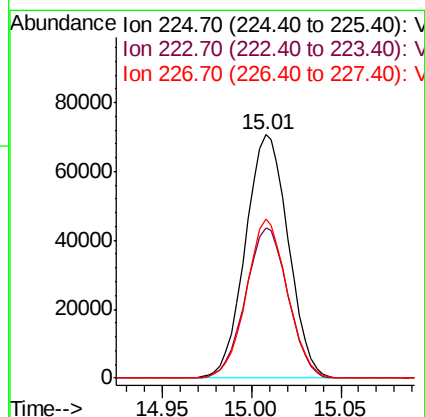
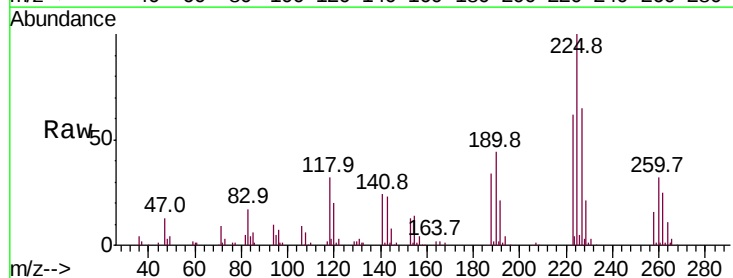
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

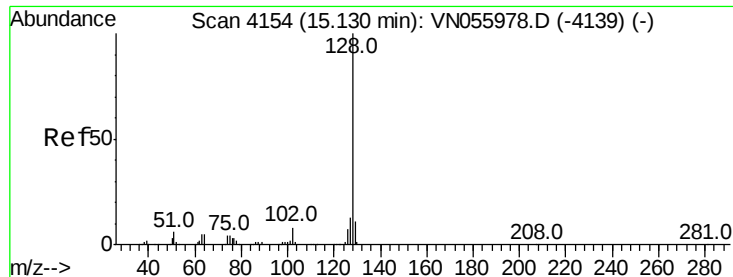
Tot Ion:180 Resp: 159652
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 28.3 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 53.428 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion:225 Resp: 118651
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.9 92.7
 227 62.5 31.6 94.7





#95

Naphthalene

Concen: 44.664 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

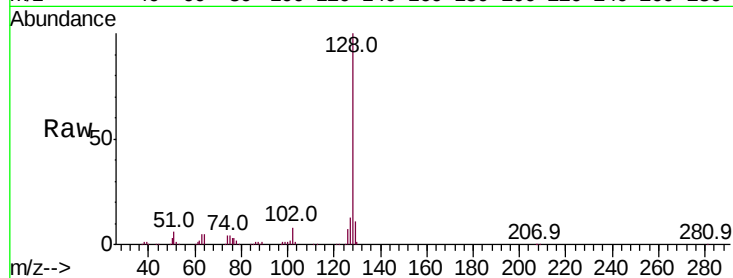
Tot Ion:128 Resp: 410442

Ion Ratio Lower Upper

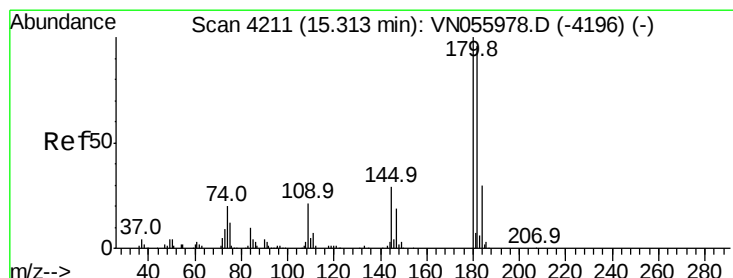
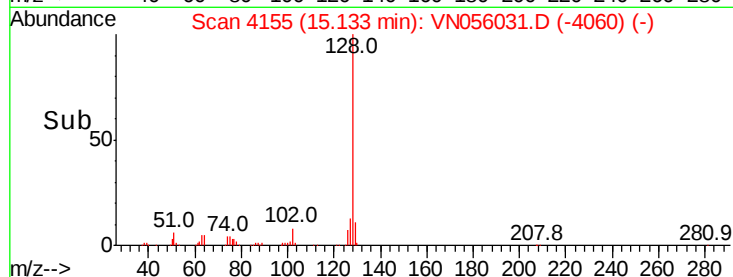
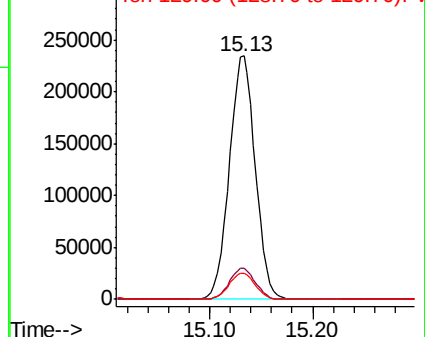
128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1



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: 46.646 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

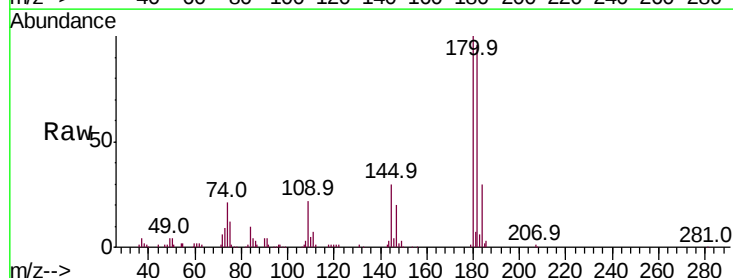
Tgt Ion:180 Resp: 169284

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 29.7 14.9 44.7



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

