

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056348.D
 Acq On : 17 Jun 2019 18:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 18 05:44:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	545026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	204342	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.59	113	180480	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	691494	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	237460	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156367	50.352	ug/l	100
3) Chloromethane	2.06	50	204204	49.040	ug/l	100
4) Vinyl Chloride	2.18	62	203355	49.692	ug/l	99
5) Bromomethane	2.52	94	99432	41.771	ug/l	99
6) Chloroethane	2.67	64	115612m	48.776	ug/l	
7) Trichlorofluoromethane	3.00	101	252497	48.312	ug/l	99
8) Diethyl Ether	3.40	74	103191	49.779	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	163001	48.222	ug/l	99
10) Methyl Iodide	3.94	142	225036	52.022	ug/l	98
11) Tert butyl alcohol	4.82	59	149188	238.714	ug/l	98
12) 1,1-Dichloroethene	3.72	96	159427	48.636	ug/l	98
13) Acrolein	3.60	56	42521	237.887	ug/l	95
14) Allyl chloride	4.31	41	265200	48.241	ug/l	99
15) Acrylonitrile	4.99	53	455340	254.927	ug/l	99
16) Acetone	3.82	43	430748	196.276	ug/l	99
17) Carbon Disulfide	4.03	76	373638	42.599	ug/l	100
18) Methyl Acetate	4.33	43	192155	50.239	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	511614	51.177	ug/l	98
20) Methylene Chloride	4.54	84	186673	48.171	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	171695	49.242	ug/l	97
22) Diisopropyl ether	5.96	45	548408	50.747	ug/l	98
23) Vinyl Acetate	5.90	43	2298518	261.429	ug/l	100
24) 1,1-Dichloroethane	5.84	63	315620	49.816	ug/l	99
25) 2-Butanone	6.84	43	636050	239.113	ug/l	100
26) 2,2-Dichloropropane	6.82	77	202973	44.302	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	198980	49.272	ug/l	99
28) Bromochloromethane	7.19	49	158203	49.863	ug/l	100
29) Tetrahydrofuran	7.22	42	409512	259.174	ug/l	99
30) Chloroform	7.37	83	310314	49.168	ug/l	99
31) Cyclohexane	7.65	56	297079	48.531	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	250577	47.932	ug/l	99
36) 1,1-Dichloropropene	7.79	75	237422	48.408	ug/l	99
37) Ethyl Acetate	6.93	43	242378	52.147	ug/l	100
38) Carbon Tetrachloride	7.77	117	209651	44.535	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	296502	49.562	ug/l	99
40) Benzene	8.04	78	732318	49.222	ug/l	98
41) Methacrylonitrile	7.18	41	111810	52.388	ug/l	97
42) 1,2-Dichloroethane	8.12	62	238107	48.801	ug/l	99
43) Isopropyl Acetate	8.17	43	368121	49.511	ug/l	99
44) Trichloroethene	8.83	130	197476	48.808	ug/l	98
45) 1,2-Dichloropropane	9.12	63	195884	49.817	ug/l	100
46) Dibromomethane	9.21	93	125753	48.126	ug/l	99
47) Bromodichloromethane	9.40	83	230026	46.078	ug/l	99
48) Methyl methacrylate	9.20	41	187378	49.951	ug/l	99
49) 1,4-Dioxane	9.21	88	74525	984.838	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1193972	251.962	ug/l	100
52) Toluene	10.16	92	454392	50.037	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	237773	47.969	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	277597	48.554	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	181874	48.732	ug/l	100
56) Ethyl methacrylate	10.43	69	279201	52.019	ug/l	99
57) 1,3-Dichloropropane	10.71	76	307776	48.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	552812	273.918	ug/l	99
59) 2-Hexanone	10.75	43	841198	239.356	ug/l	99
60) Dibromochloromethane	10.90	129	178577	45.620	ug/l	99
61) 1,2-Dibromoethane	11.00	107	189148	49.304	ug/l	99
64) Tetrachloroethene	10.63	164	191116	47.823	ug/l	98
65) Chlorobenzene	11.43	112	488631	49.388	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171888	46.537	ug/l	99
67) Ethyl Benzene	11.51	91	848894	49.847	ug/l	99
68) m/p-Xylenes	11.62	106	644253	101.642	ug/l	100
69) o-Xylene	11.95	106	316562	50.665	ug/l	99
70) Styrene	11.96	104	530037	52.544	ug/l	99
71) Bromoform	12.13	173	122645	42.727	ug/l #	99
73) Isopropylbenzene	12.25	105	831506	52.498	ug/l	99
74) N-amyl acetate	12.07	43	306674	45.532	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	255754	51.512	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207589m	45.332	ug/l	
77) Bromobenzene	12.53	156	218420	51.459	ug/l	99
78) n-propylbenzene	12.59	91	912553	47.433	ug/l	100
79) 2-Chlorotoluene	12.67	91	551463	52.167	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	691938	46.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	60912	41.327	ug/l	92
82) 4-Chlorotoluene	12.77	91	541338	47.935	ug/l	100
83) tert-Butylbenzene	12.99	119	598221	52.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	675640	48.523	ug/l	100
85) sec-Butylbenzene	13.17	105	785788	46.569	ug/l	99
86) p-Isopropyltoluene	13.29	119	708140	49.027	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	355676	48.756	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340794	48.616	ug/l	99
89) n-Butylbenzene	13.61	91	552790	51.190	ug/l	99
90) Hexachloroethane	13.87	117	104984	42.644	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	349099	48.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40367	43.588	ug/l	99

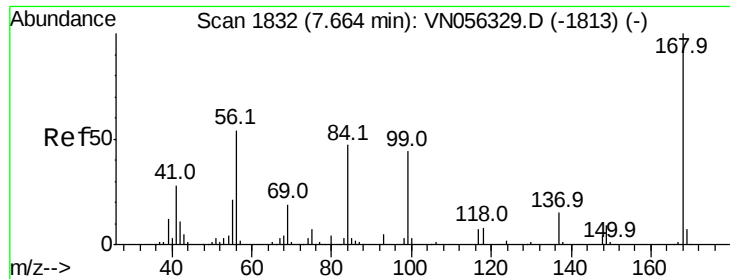
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	164281	44.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	123239	50.329	ug/l	99
95) Naphthalene	15.13	128	448608	46.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185018	47.762	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

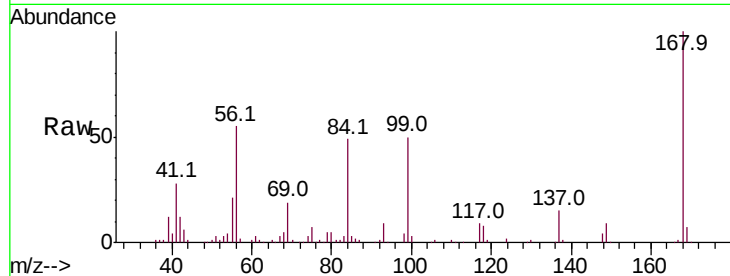
VSTDCCC050EC

Tot Ion:168 Resp: 353224

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1813) (-)

7.66

150000

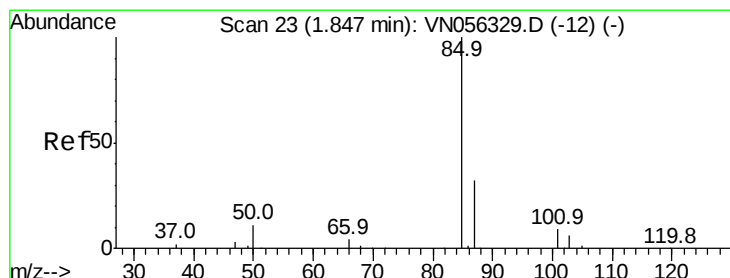
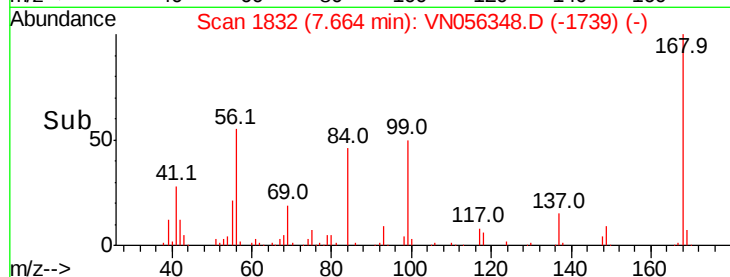
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.352 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056348.D

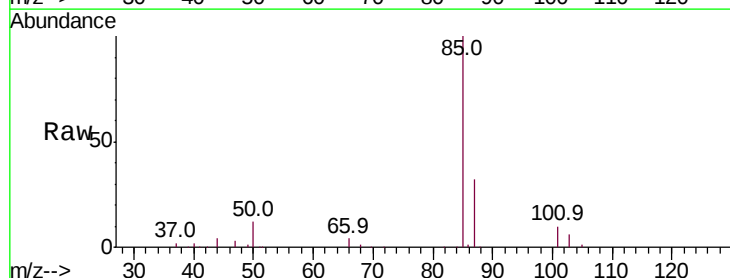
Acq: 17 Jun 2019 18:44

Tgt Ion: 85 Resp: 156367

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056329.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056329.D (-12) (-)

1.85

100000

80000

60000

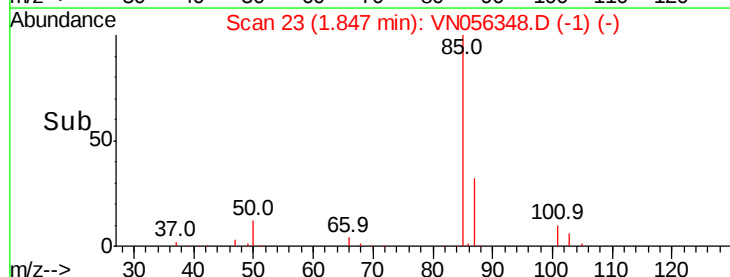
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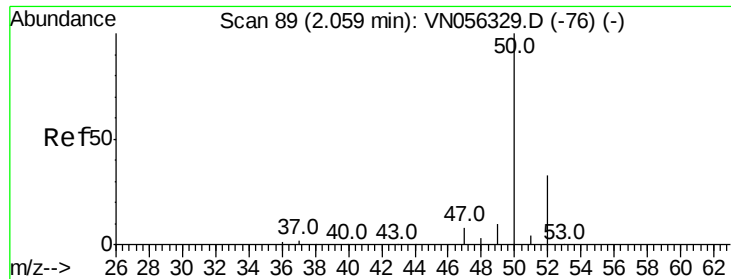
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.040 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

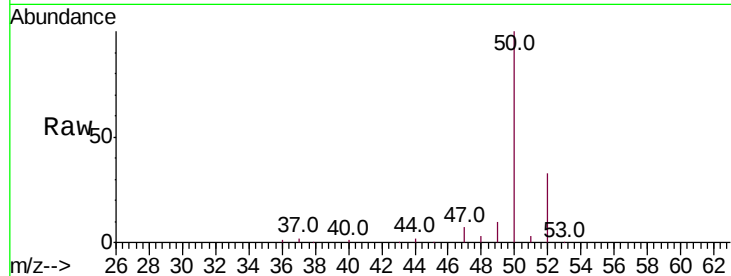
VSTDCCC050EC

Tot Ion: 50 Resp: 204204

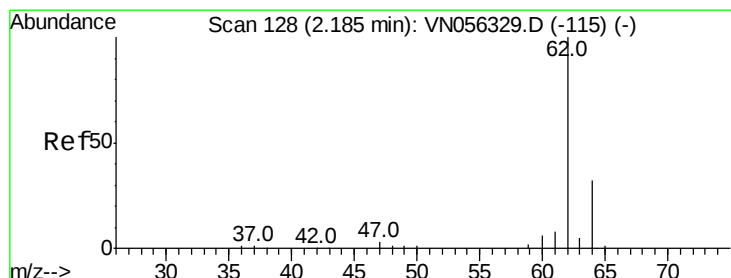
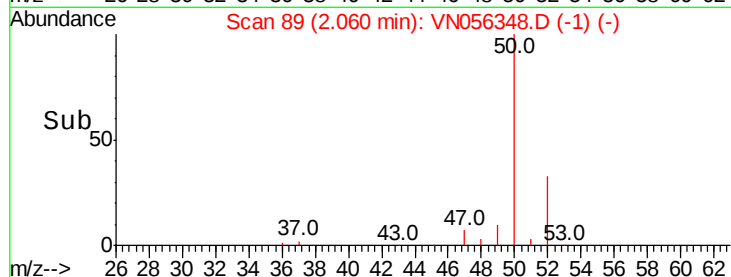
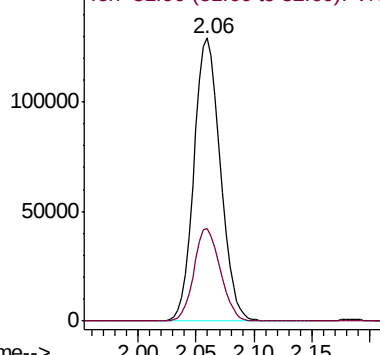
Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.692 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056348.D

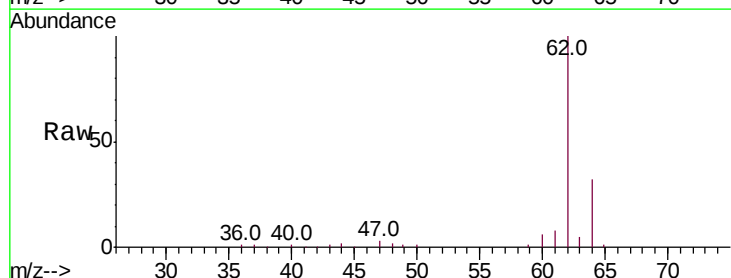
Acq: 17 Jun 2019 18:44

Tgt Ion: 62 Resp: 203355

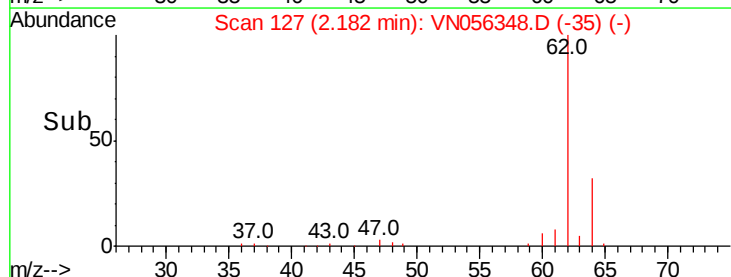
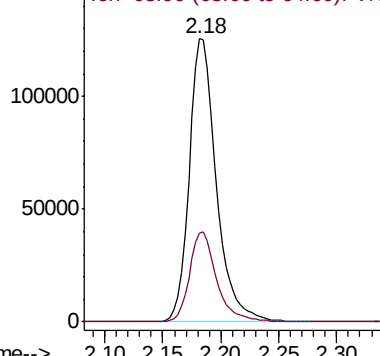
Ion Ratio Lower Upper

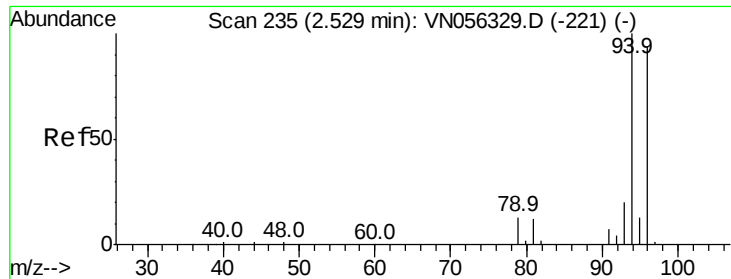
62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

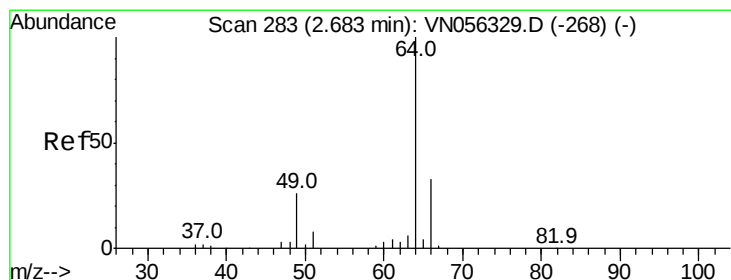
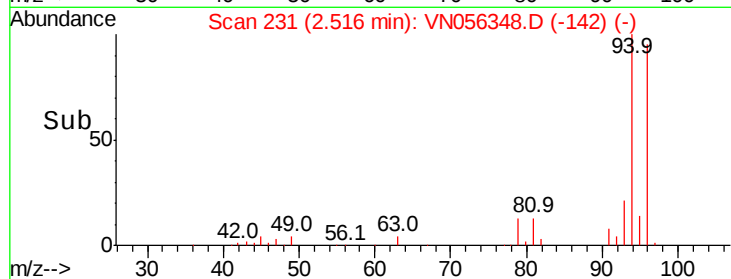
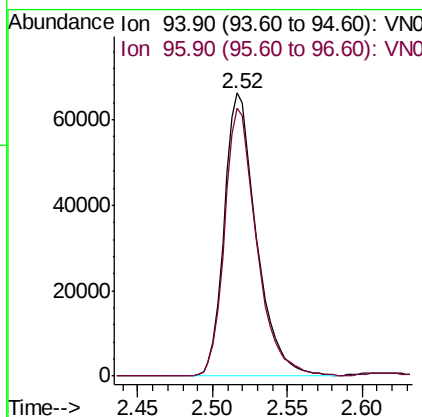
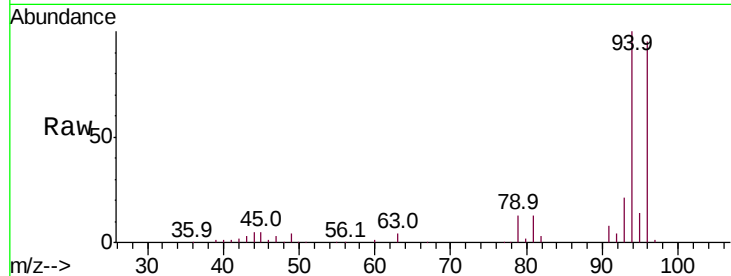




#5
Bromomethane
Concen: 41.771 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.01 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

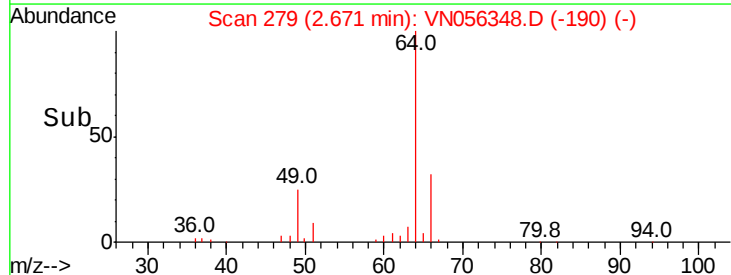
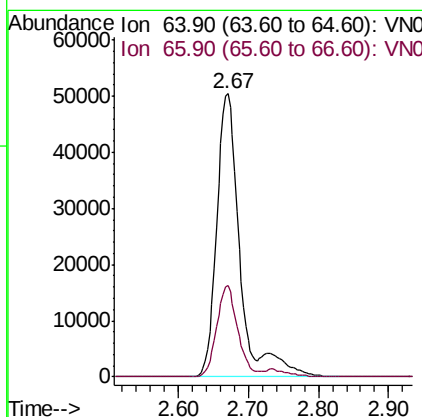
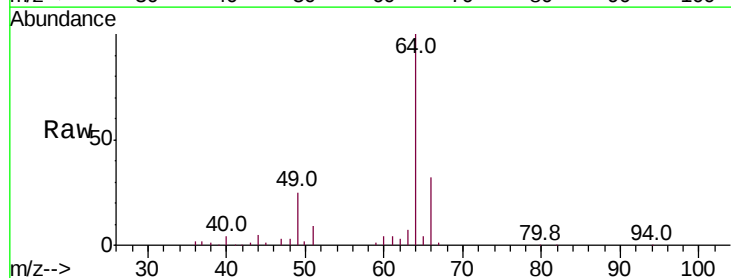
Instrument :
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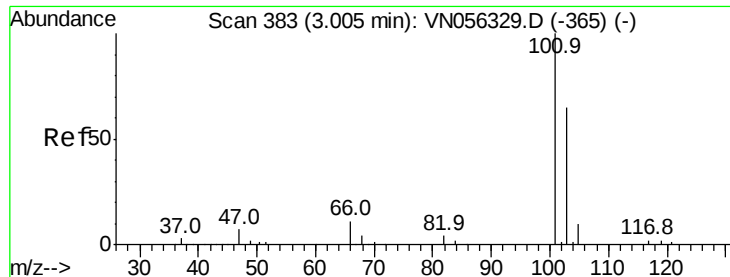
Tot Ion: 94 Resp: 99432
Ion Ratio Lower Upper
94 100
96 94.5 74.9 112.3



#6
Chloroethane
Concen: 48.776 ug/l m
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 64 Resp: 115612
Ion Ratio Lower Upper
64 100
66 32.2 26.3 39.5



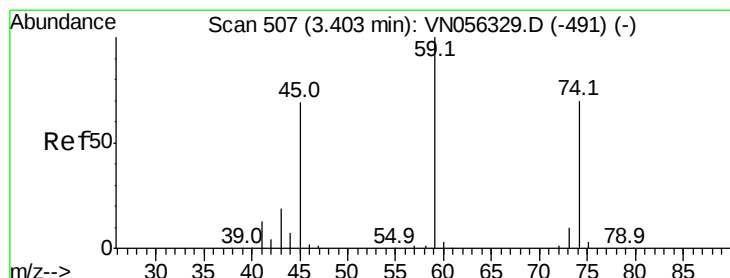
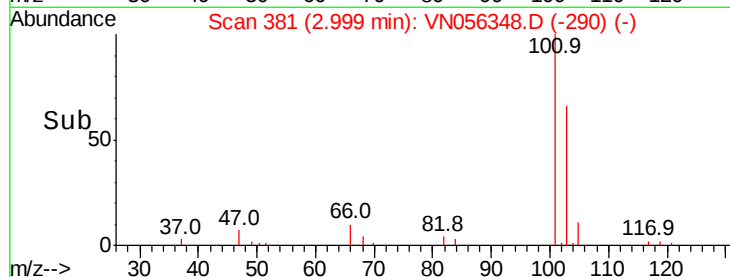
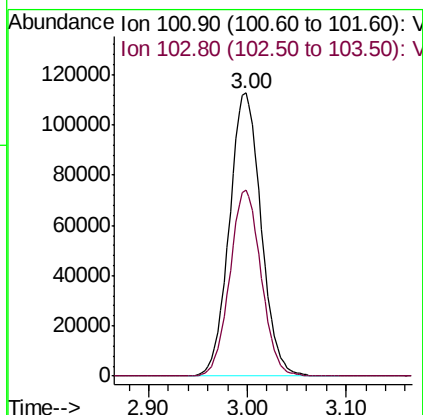
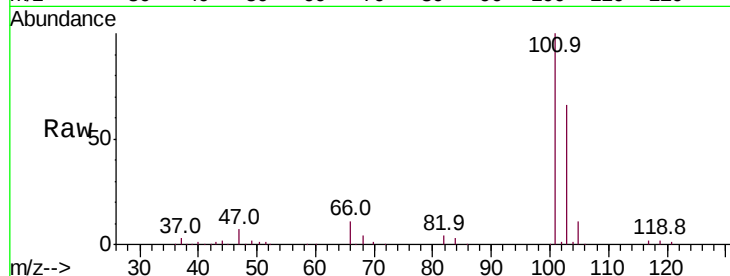


#7

Trichlorofluoromethane
 Concen: 48.312 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Instrument :
 MSVOA_N
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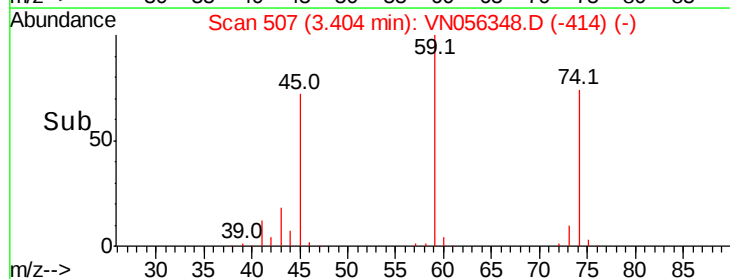
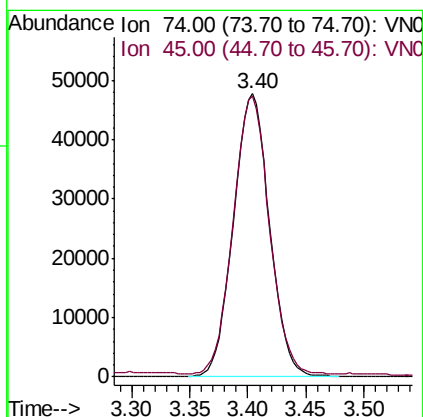
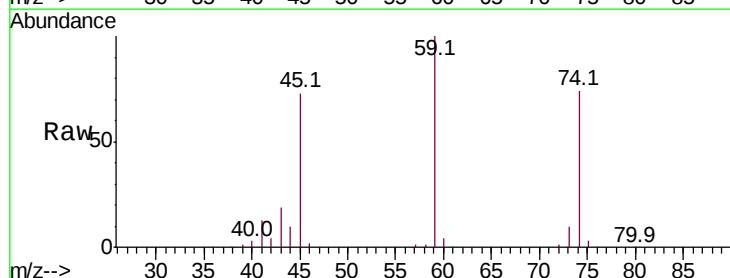
Tot Ion:101 Resp: 252497
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.1 78.1

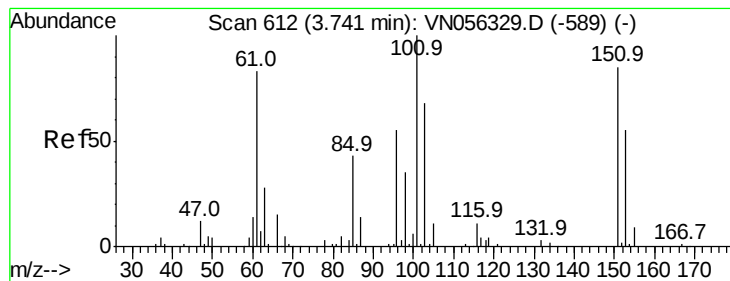


#8

Diethyl Ether
 Concen: 49.779 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 74 Resp: 103191
 Ion Ratio Lower Upper
 74 100
 45 97.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.222 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

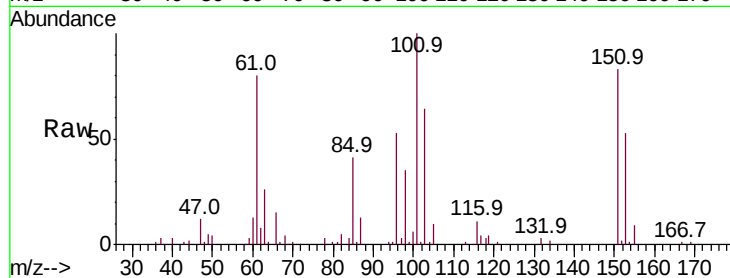
Tot Ion:101 Resp: 163001

Ion Ratio Lower Upper

101 100

85 41.4 33.8 50.8

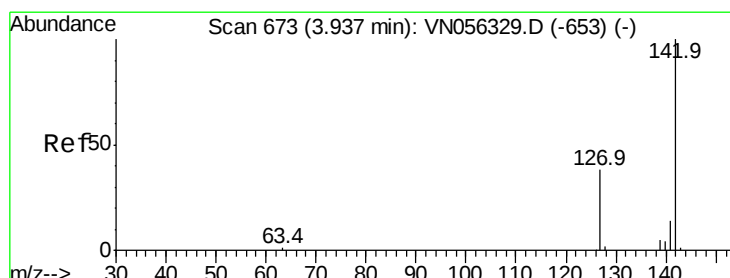
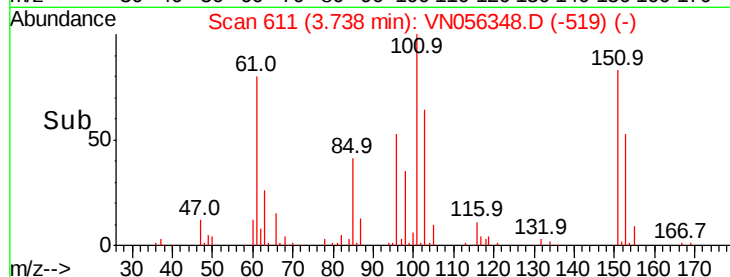
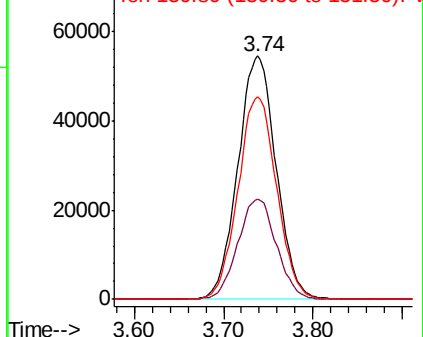
151 83.8 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.022 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

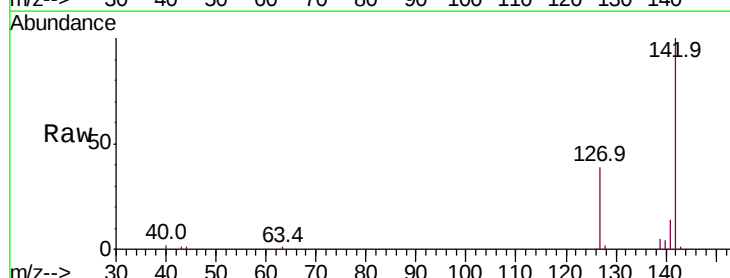
Tgt Ion:142 Resp: 225036

Ion Ratio Lower Upper

142 100

127 39.8 30.8 46.2

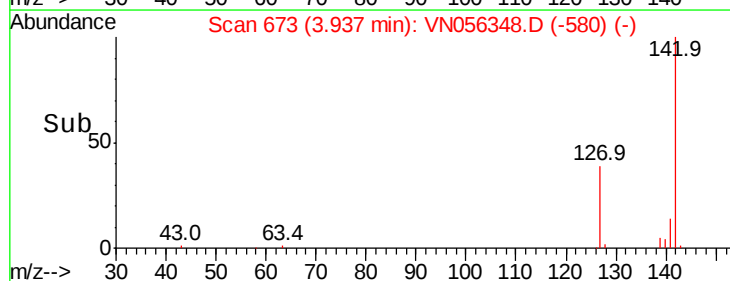
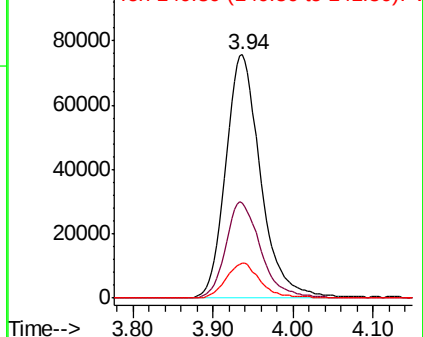
141 14.1 11.4 17.2

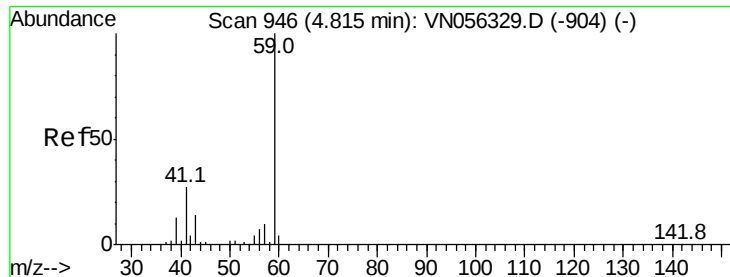


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



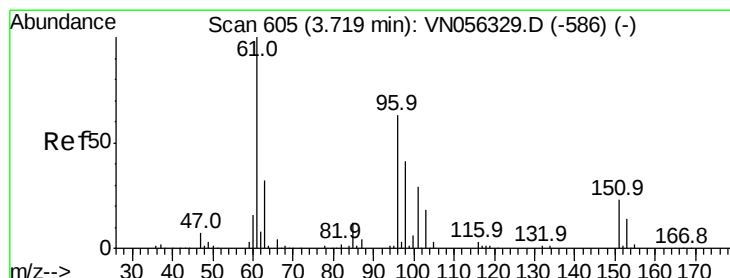
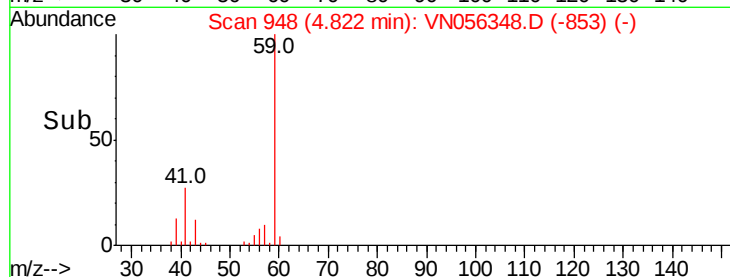
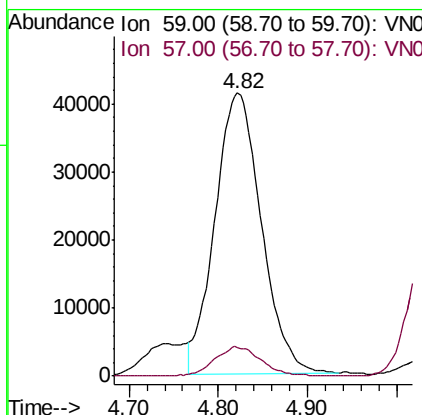
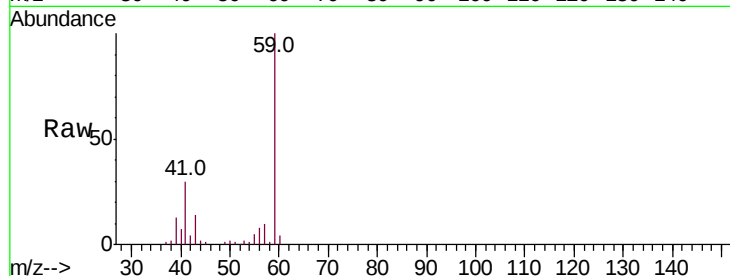


#11

Tert butyl alcohol
 Concen: 238.714 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

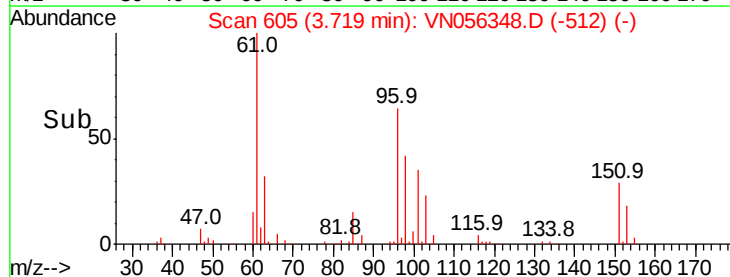
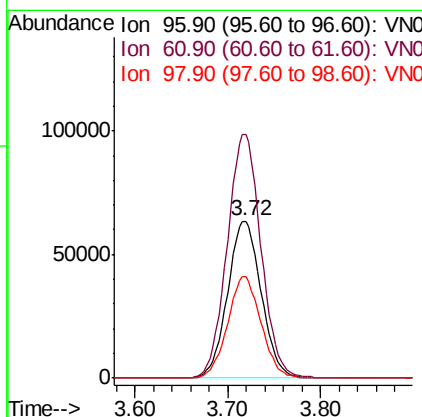
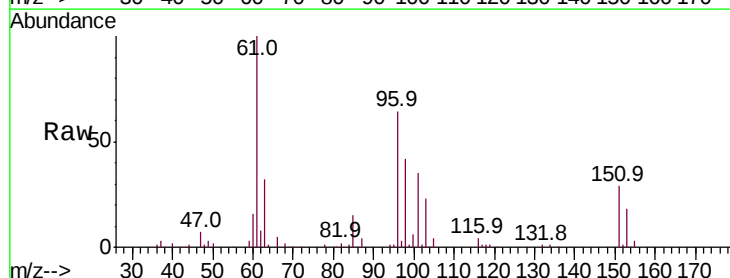
Tot Ion: 59 Resp: 149188
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.8 11.8

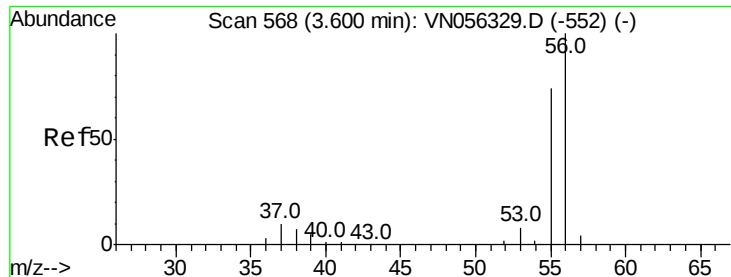


#12

1,1-Dichloroethene
 Concen: 48.636 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 96 Resp: 159427
 Ion Ratio Lower Upper
 96 100
 61 155.3 127.4 191.2
 98 64.8 51.7 77.5





#13

Acrolein

Concen: 237.887 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

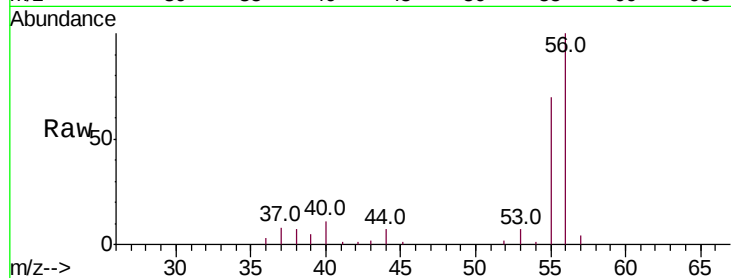
VSTDCCC050EC

Tot Ion: 56 Resp: 42521

Ion Ratio Lower Upper

56 100

55 74.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN056329.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN056329.D (-552) (-)

3.60

20000

15000

10000

5000

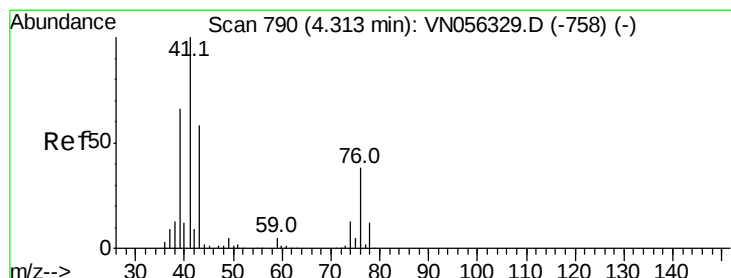
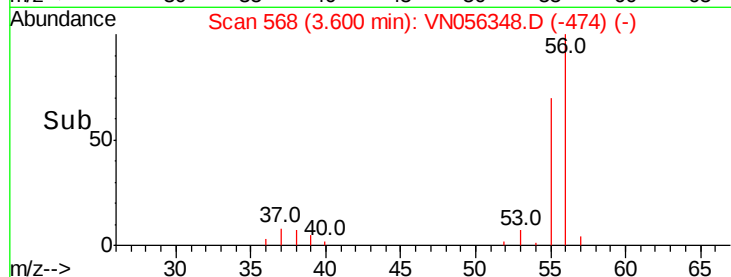
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 48.241 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

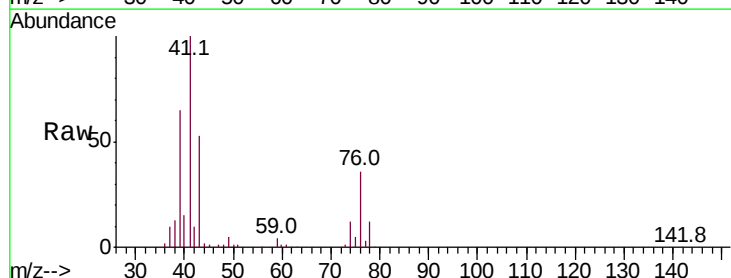
Tgt Ion: 41 Resp: 265200

Ion Ratio Lower Upper

41 100

39 60.7 48.9 73.3

76 32.7 27.2 40.8



Abundance Ion 41.00 (40.70 to 41.70): VN056329.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN056329.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN056329.D (-758) (-)

4.31

120000

100000

80000

60000

40000

20000

0

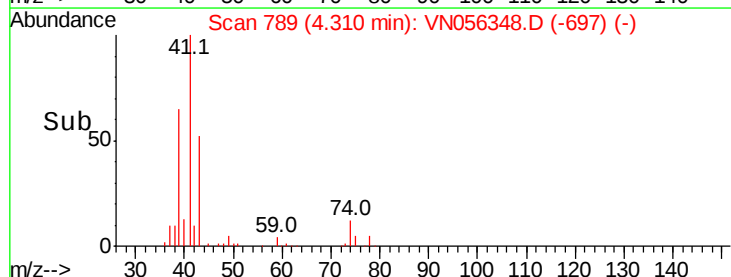
Time-->

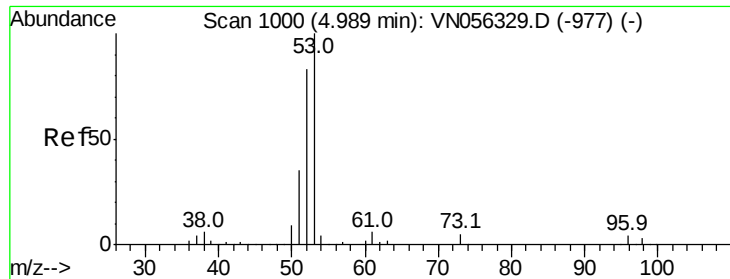
4.20

4.30

4.40

4.50

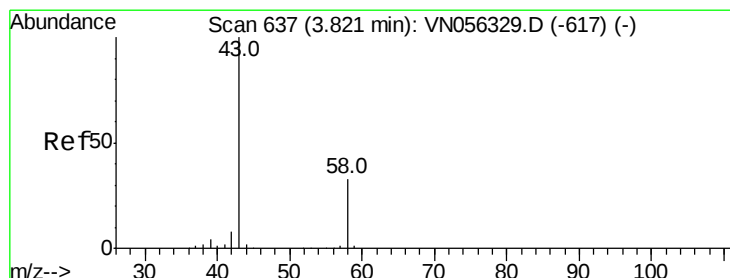
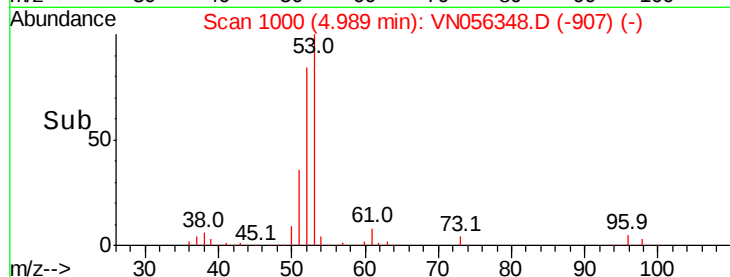
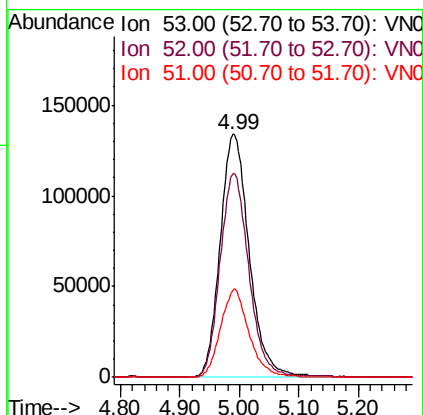
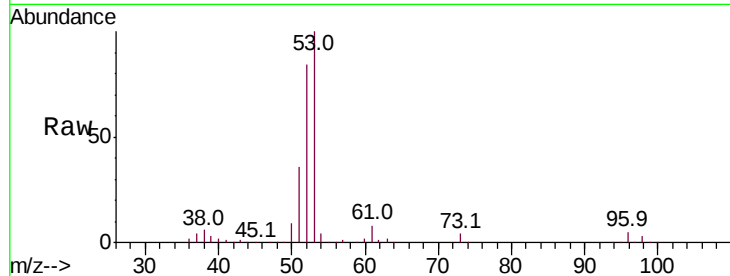




#15
 Acrylonitrile
 Concen: 254.927 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

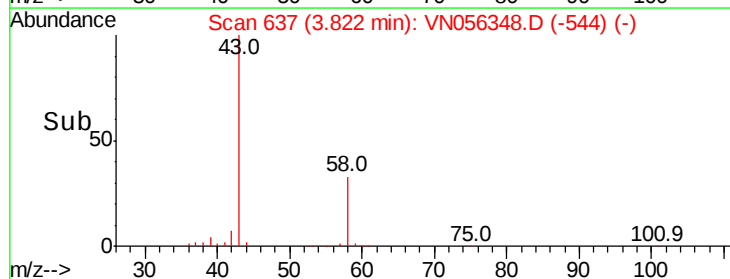
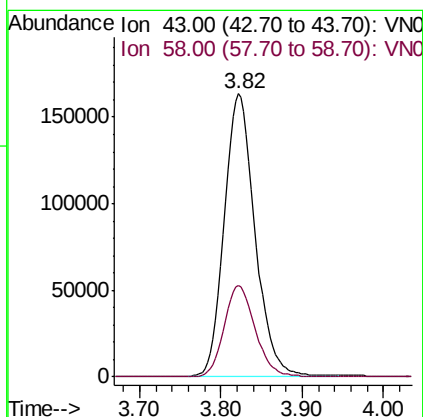
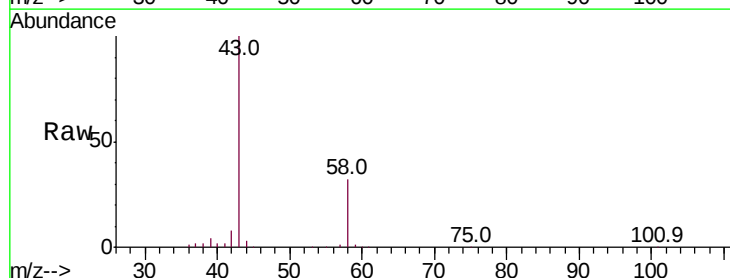
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

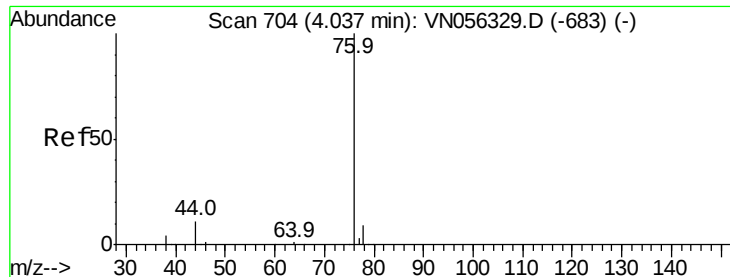
Tot Ion: 53 Resp: 455340
 Ion Ratio Lower Upper
 53 100
 52 82.5 65.4 98.2
 51 35.6 28.5 42.7



#16
 Acetone
 Concen: 196.276 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 43 Resp: 430748
 Ion Ratio Lower Upper
 43 100
 58 32.5 26.5 39.7

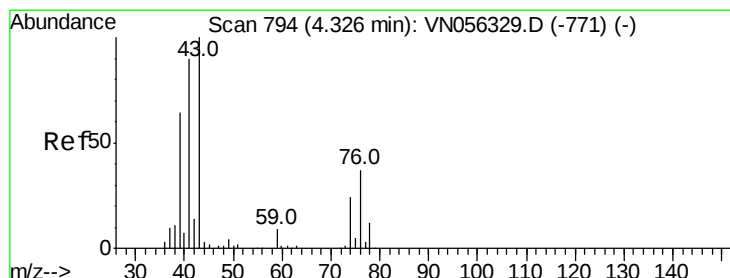
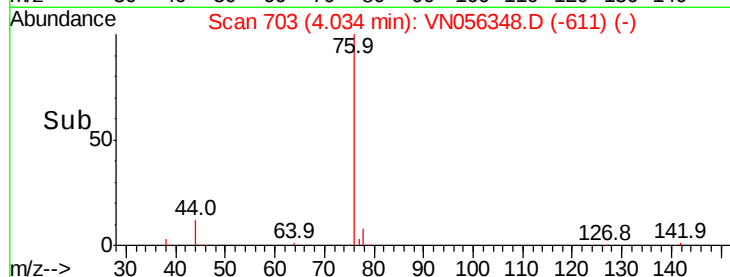
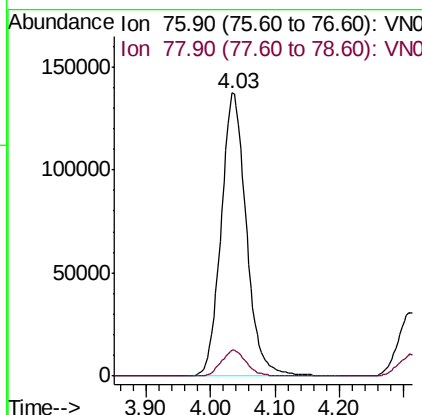
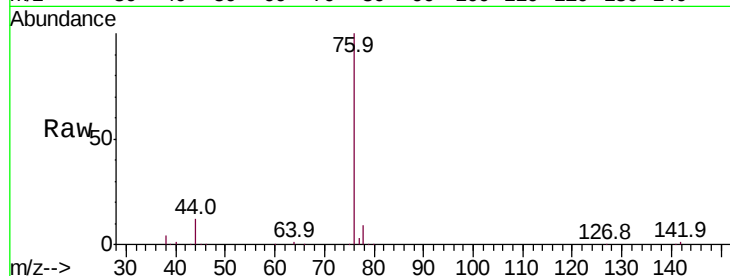




#17
Carbon Disulfide
Concen: 42.599 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

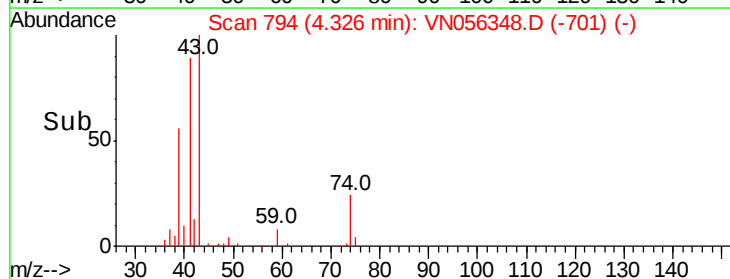
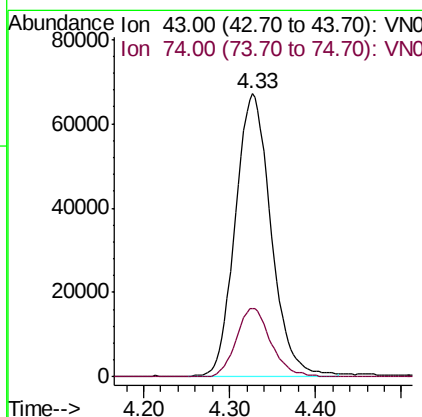
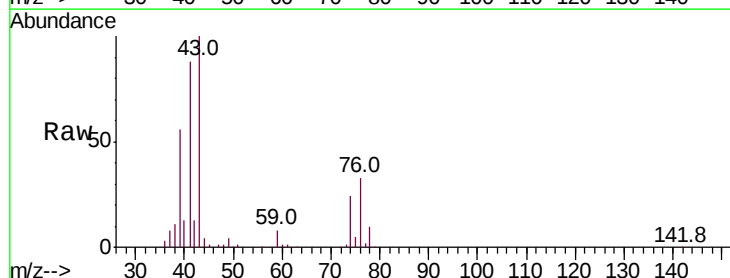
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

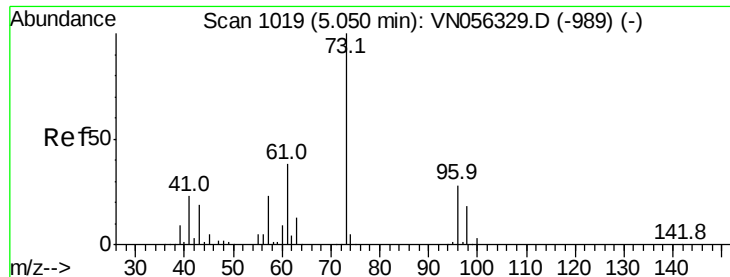
Tot Ion: 76 Resp: 373638
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 50.239 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 43 Resp: 192155
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



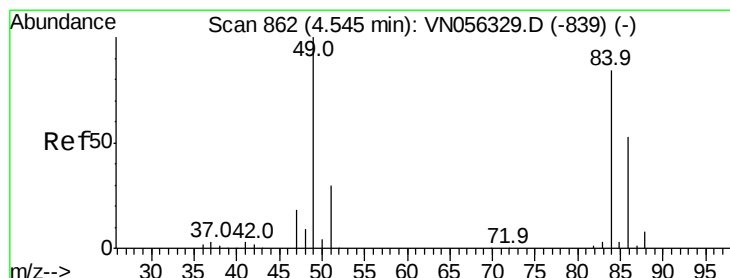
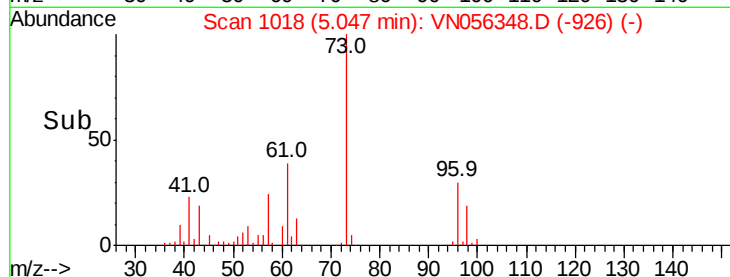
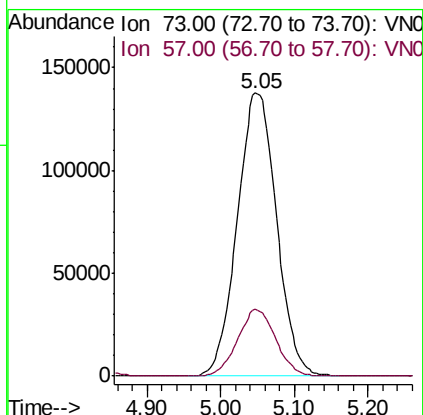
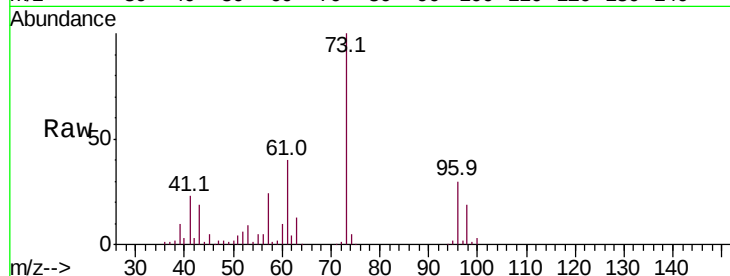


#19

Methyl tert-butyl Ether
 Concen: 51.177 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

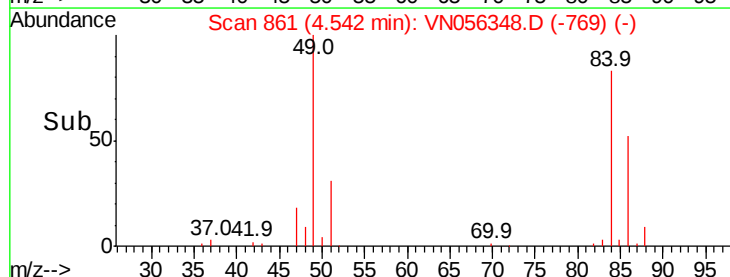
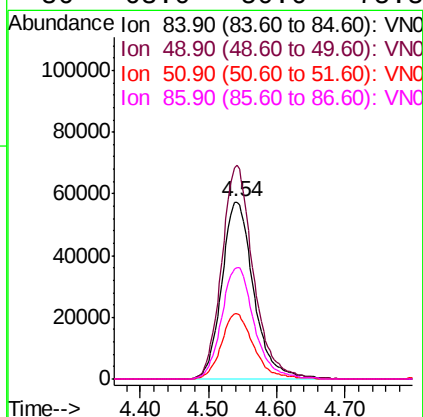
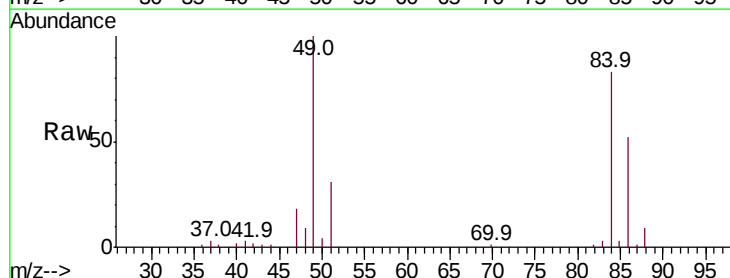
Tot Ion: 73 Resp: 511614
 Ion Ratio Lower Upper
 73 100
 57 23.7 18.1 27.1

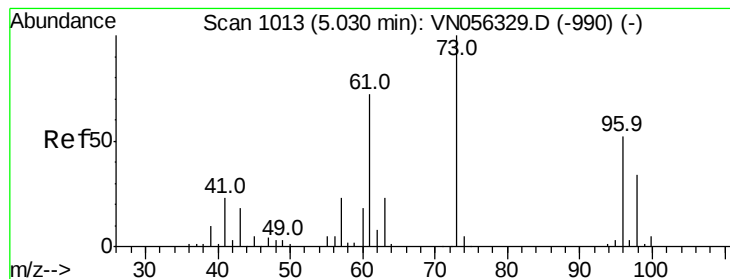


#20

Methylene Chloride
 Concen: 48.171 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 84 Resp: 186673
 Ion Ratio Lower Upper
 84 100
 49 120.5 95.0 142.6
 51 37.0 28.2 42.4
 86 63.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.242 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

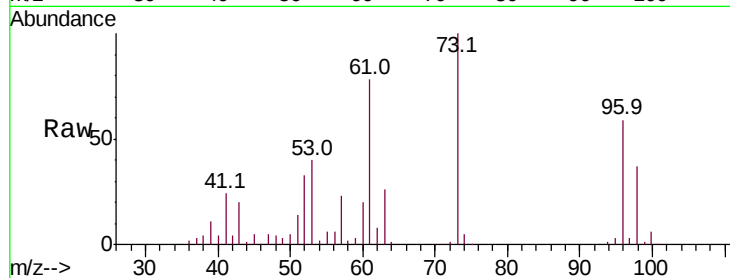
Tot Ion: 96 Resp: 171695

Ion Ratio Lower Upper

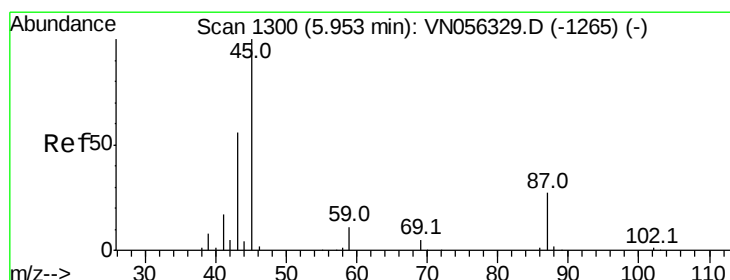
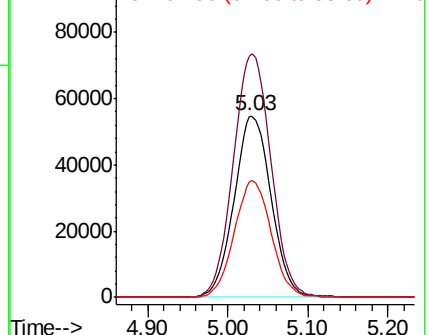
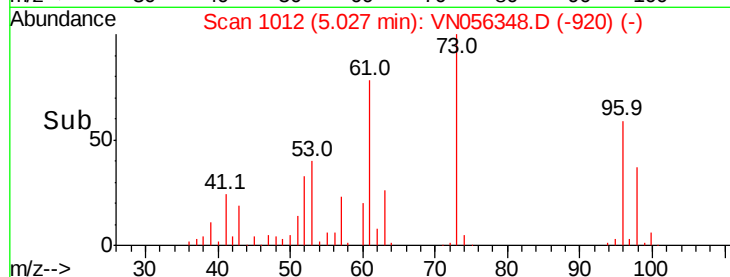
96 100

61 133.3 109.8 164.6

98 63.6 52.0 78.0



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



#22

Diisopropyl ether

Concen: 50.747 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Tgt Ion: 45 Resp: 548408

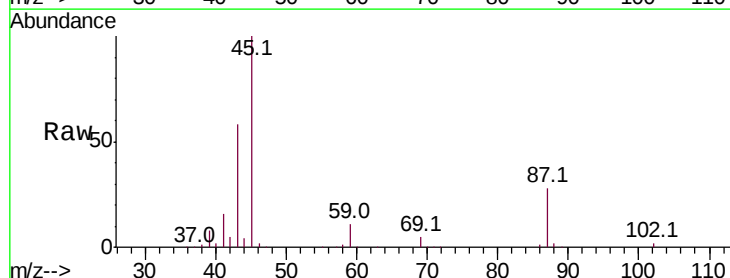
Ion Ratio Lower Upper

45 100

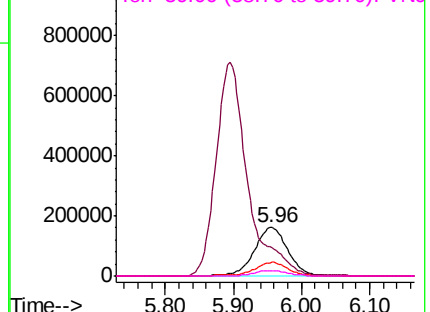
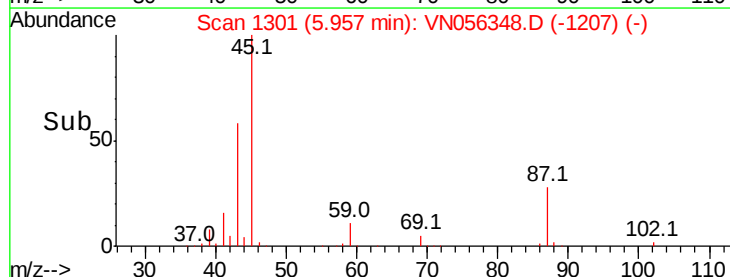
43 56.3 47.0 70.6

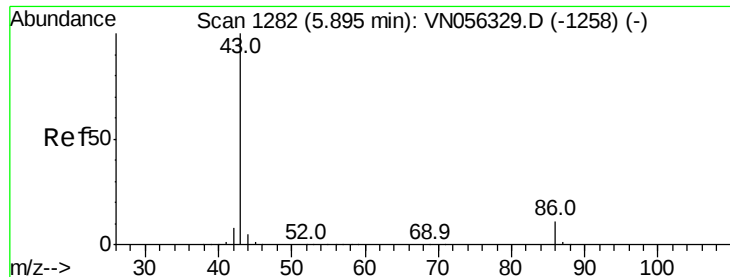
87 27.9 22.4 33.6

59 11.2 9.2 13.8



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

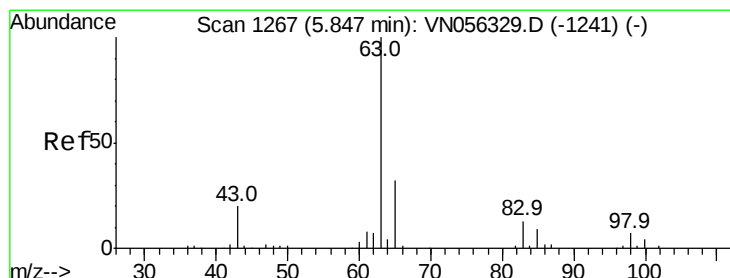
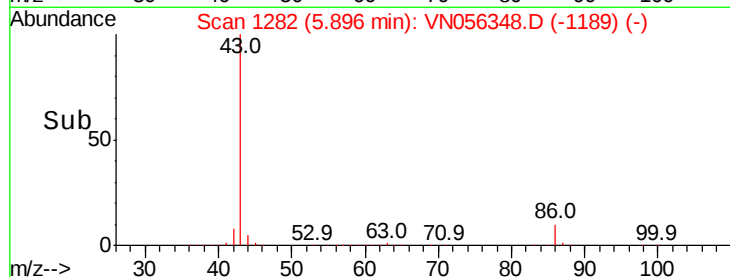
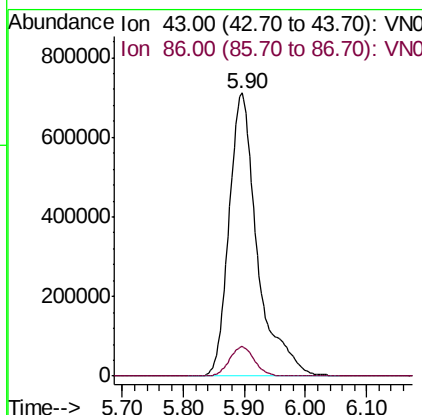
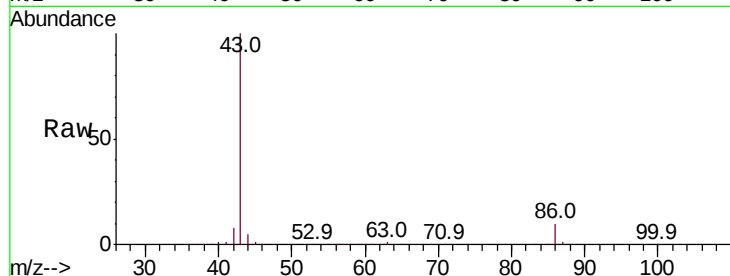




#23
 Vinyl Acetate
 Concen: 261.429 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

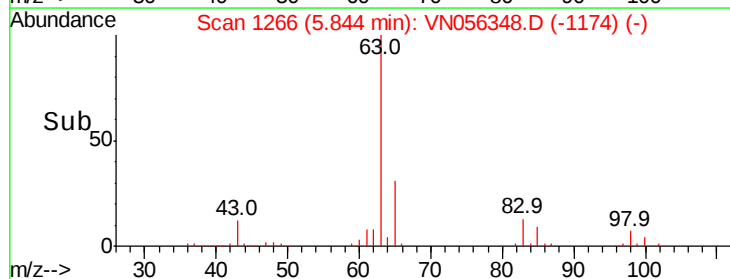
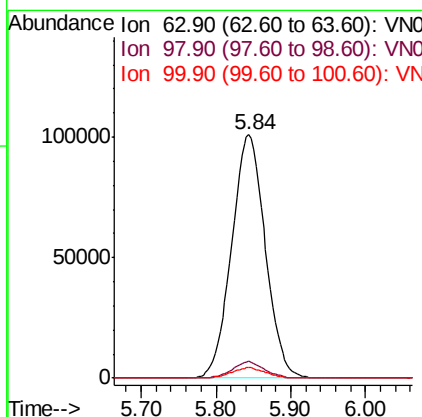
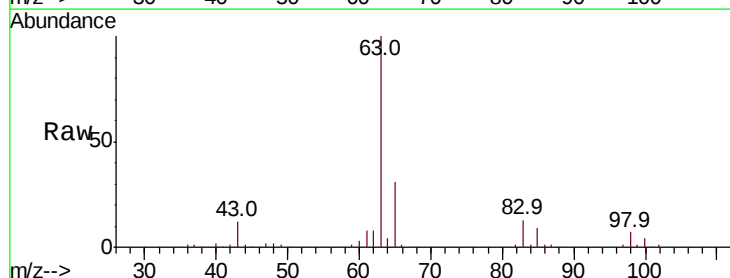
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

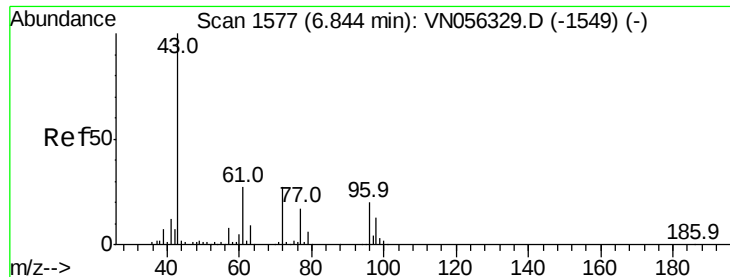
Tot Ion: 43 Resp: 2298518
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 49.816 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 63 Resp: 315620
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.4 2.2 6.6

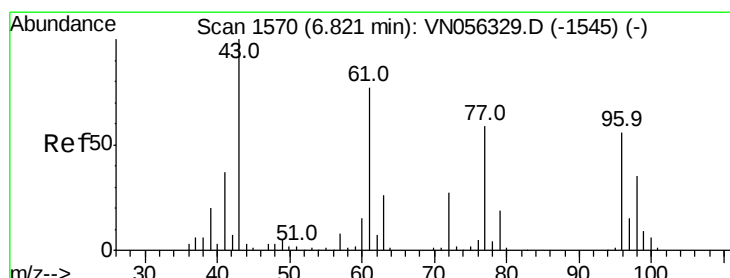
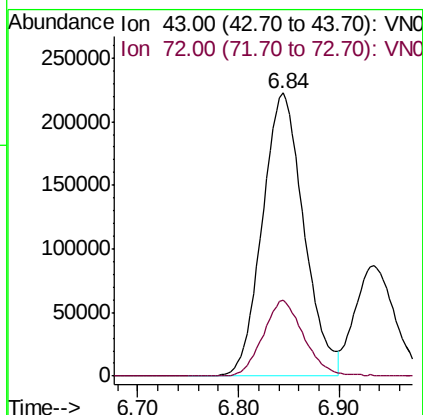
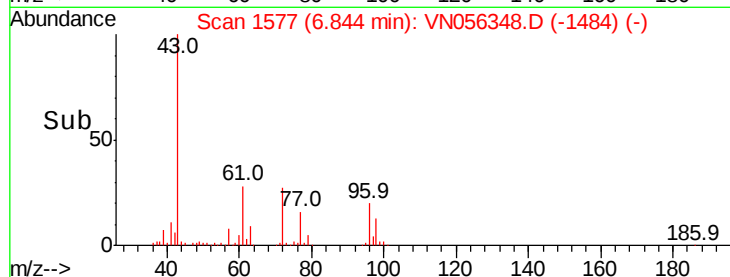
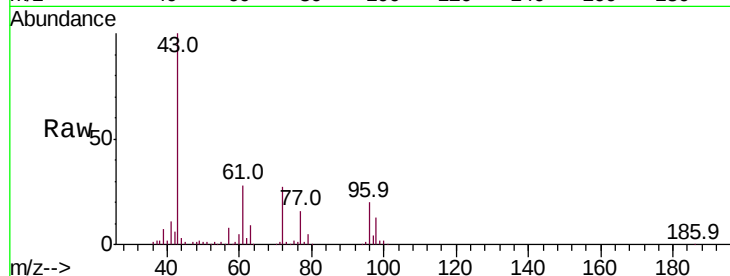




#25
2-Butanone
Concen: 239.113 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

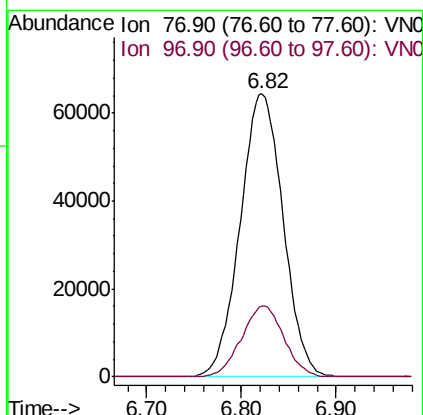
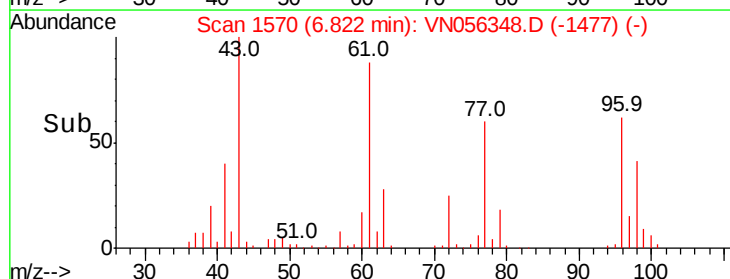
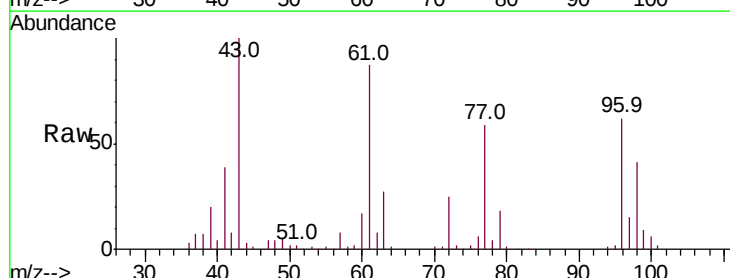
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

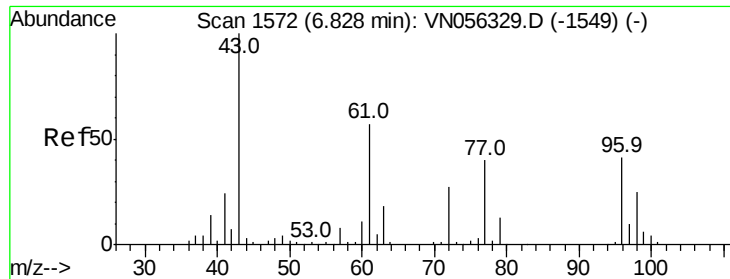
Tot Ion: 43 Resp: 636050
Ion Ratio Lower Upper
43 100
72 26.8 21.4 32.2



#26
2,2-Dichloropropane
Concen: 44.302 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 77 Resp: 202973
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.272 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

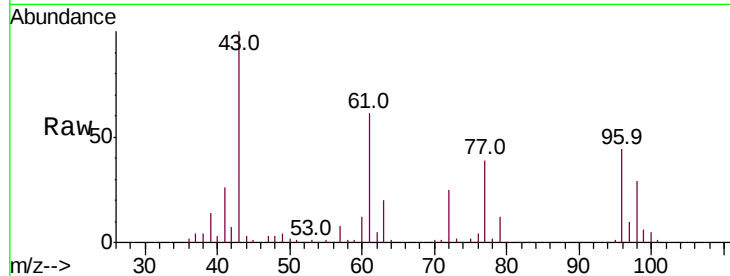
Tot Ion: 96 Resp: 198980

Ion Ratio Lower Upper

96 100

61 139.5 0.0 278.6

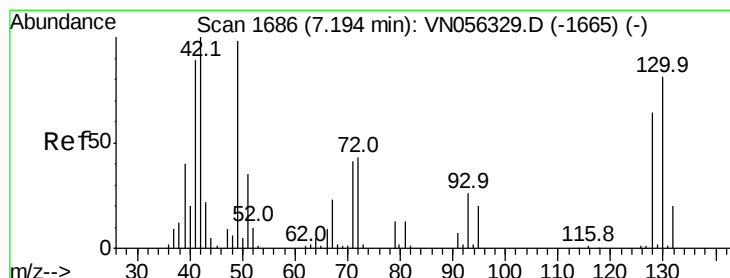
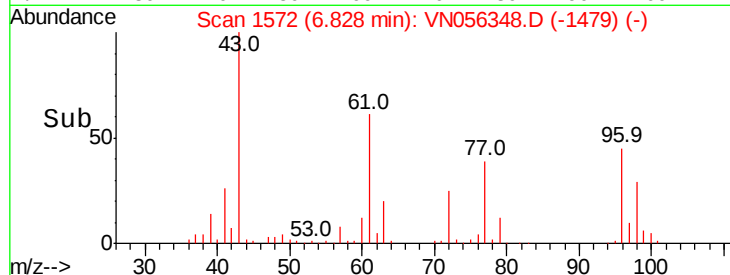
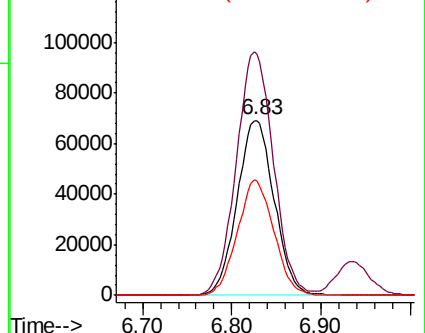
98 65.2 0.0 127.0



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: 49.863 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

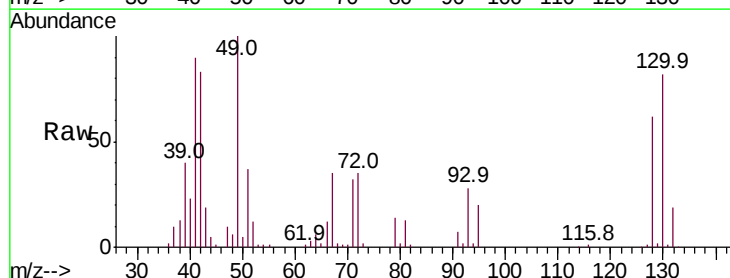
Tgt Ion: 49 Resp: 158203

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

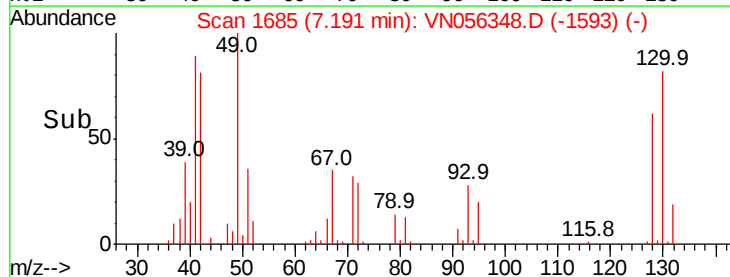
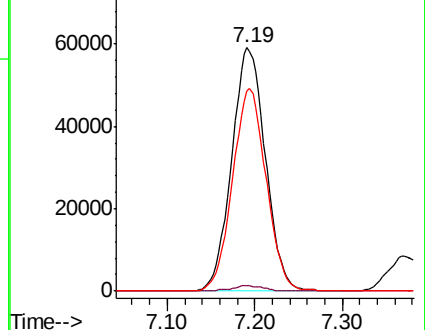
130 82.8 66.4 99.6

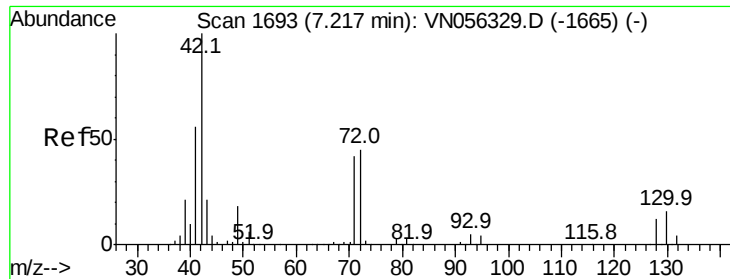


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 259.174 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

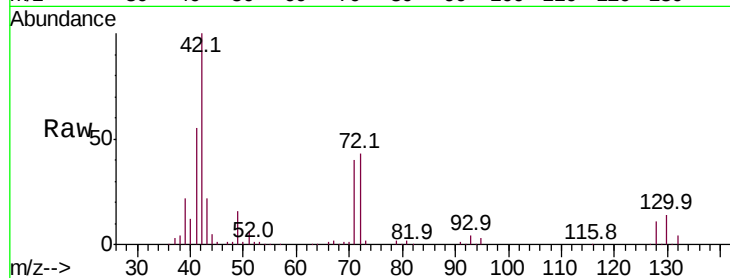
Tot Ion: 42 Resp: 409512

Ion Ratio Lower Upper

42 100

72 42.9 35.3 52.9

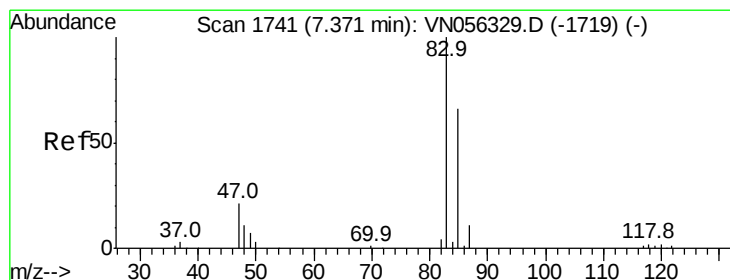
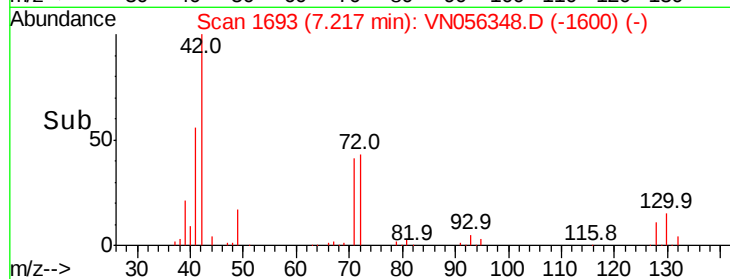
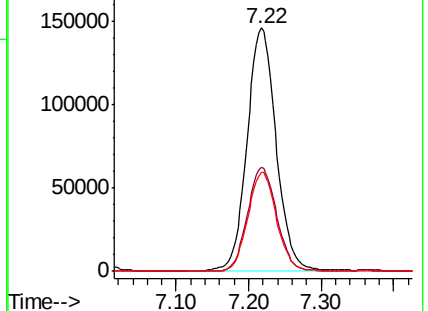
71 40.3 32.7 49.1



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: 49.168 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056348.D

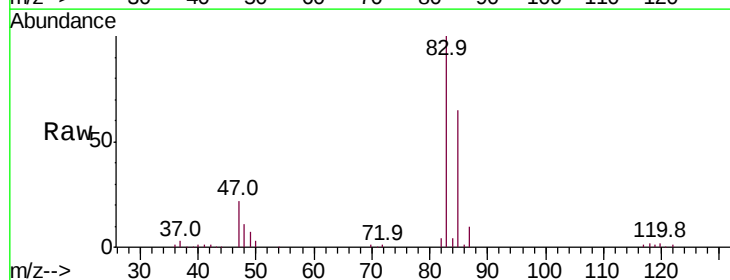
Acq: 17 Jun 2019 18:44

Tgt Ion: 83 Resp: 310314

Ion Ratio Lower Upper

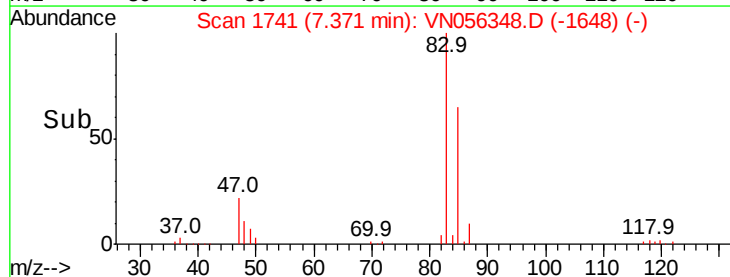
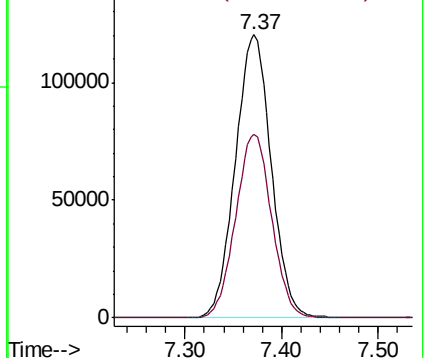
83 100

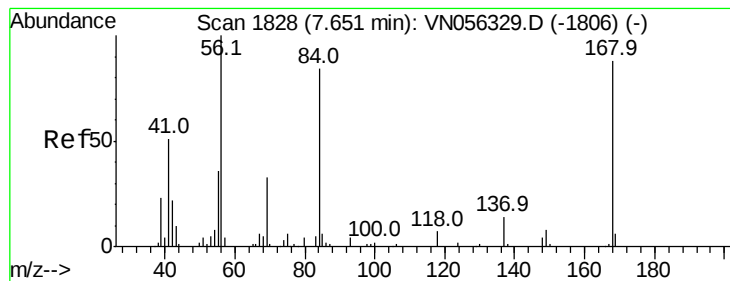
85 64.9 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.531 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

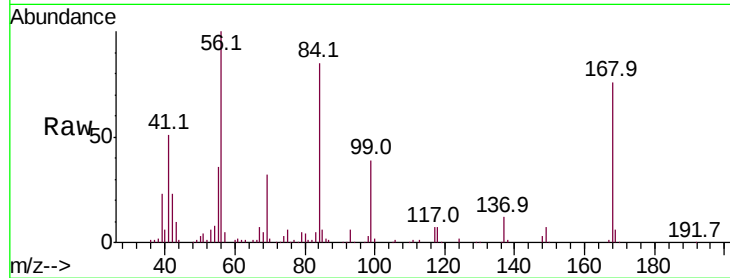
Tot Ion: 56 Resp: 297079

Ion Ratio Lower Upper

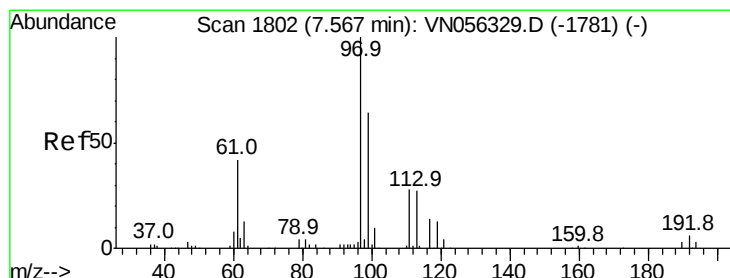
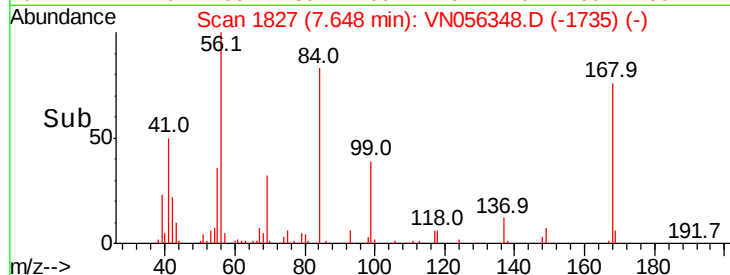
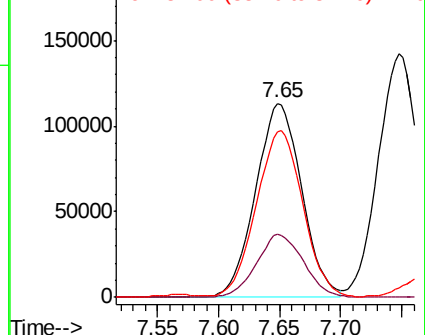
56 100

69 32.3 26.0 39.0

84 84.2 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: 47.932 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

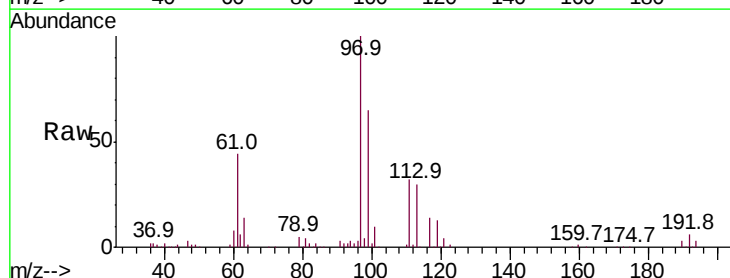
Tgt Ion: 97 Resp: 250577

Ion Ratio Lower Upper

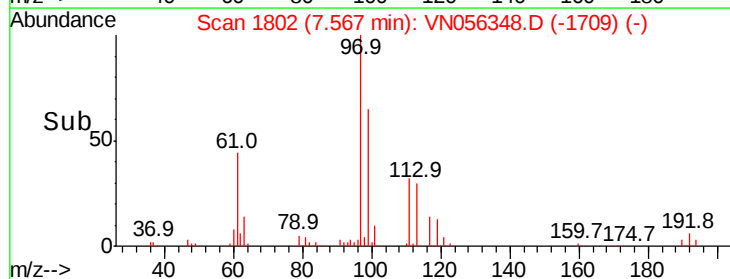
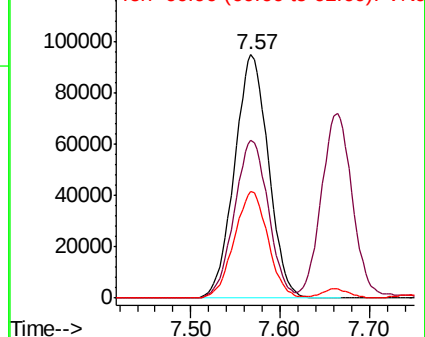
97 100

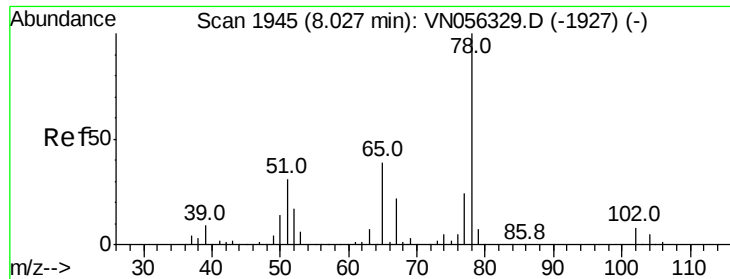
99 65.2 51.4 77.0

61 43.6 34.4 51.6



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

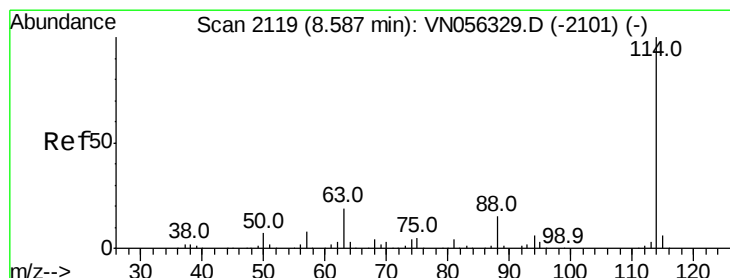
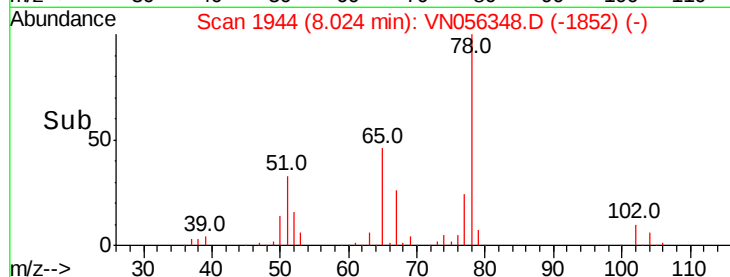
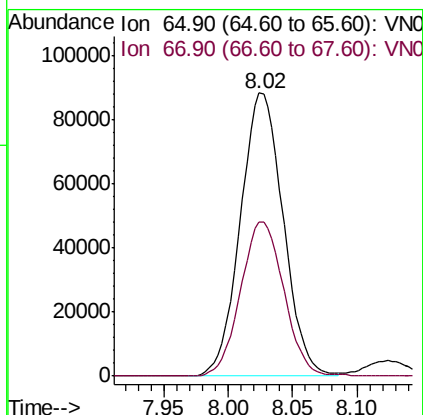
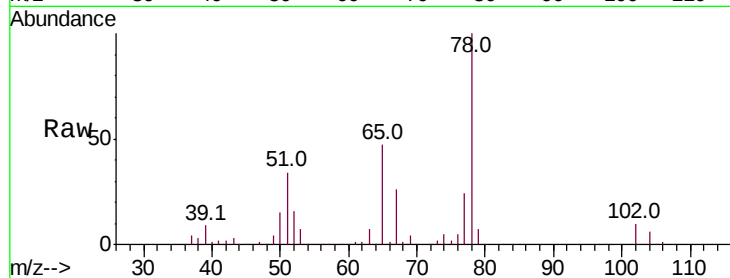




#33
 1,2-Dichloroethane-d4
 Concen: 51.450 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

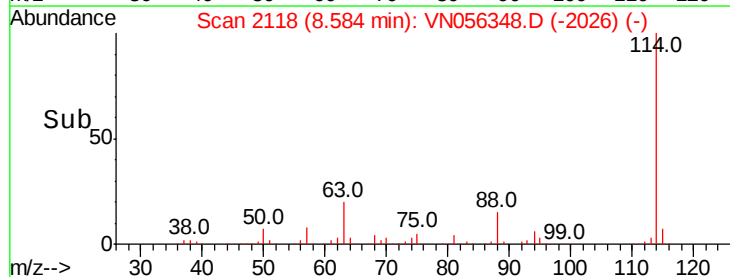
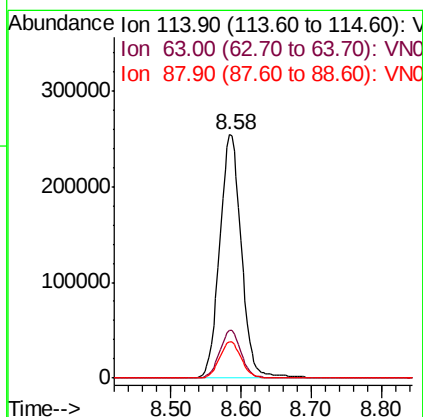
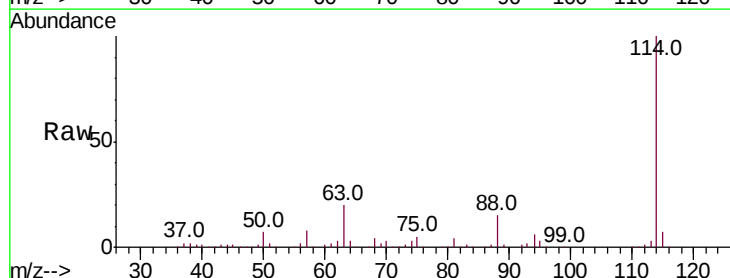
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

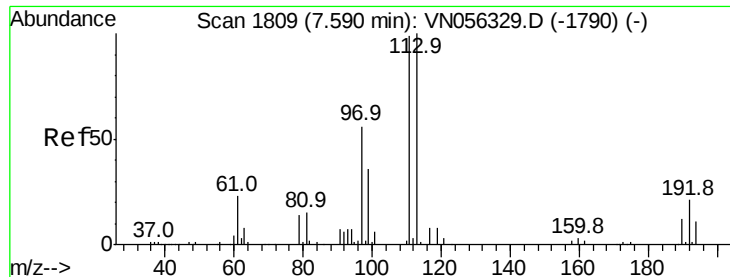
Tot Ion: 65 Resp: 204342
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 114 Resp: 545026
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 14.9 0.0 30.6

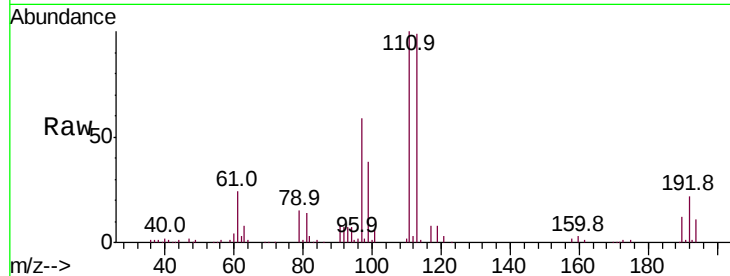




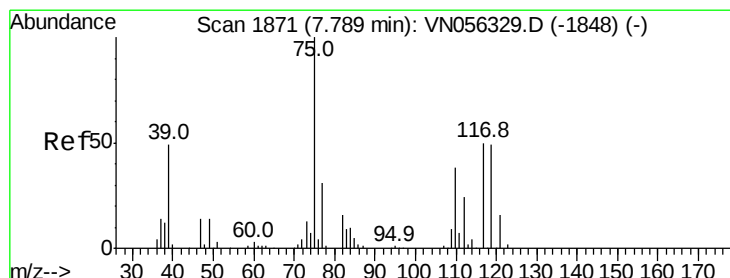
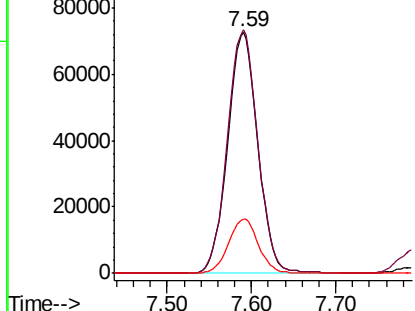
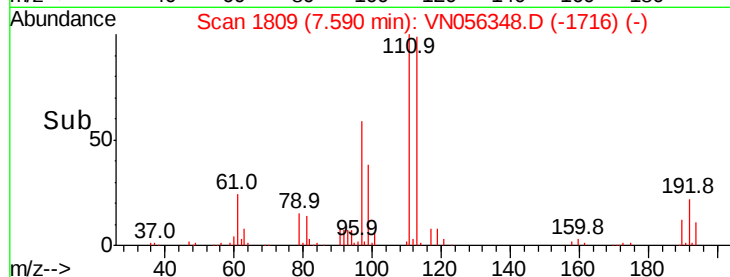
#35
 Dibromofluoromethane
 Concen: 51.637 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.1	123.1
192	22.3	17.6	26.4

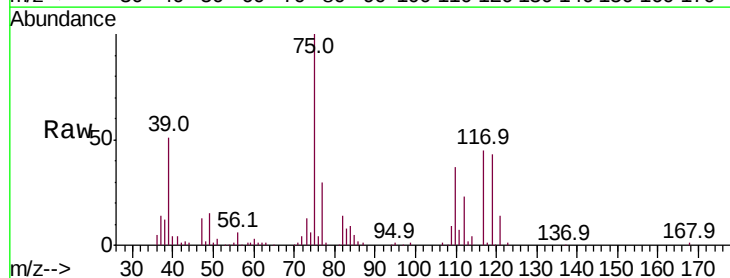


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

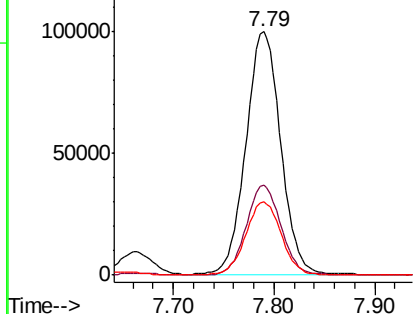
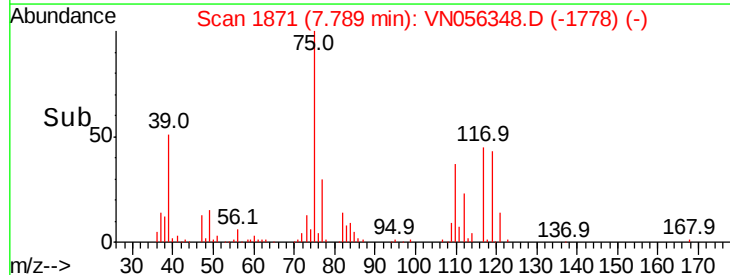


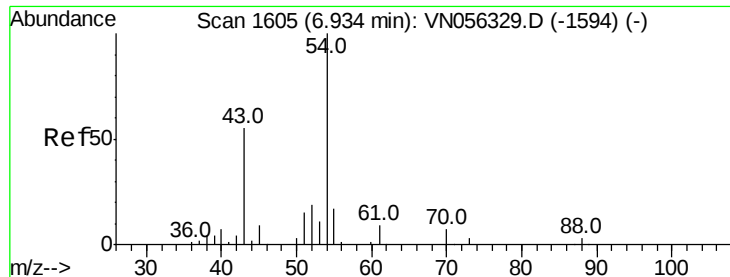
#36
 1,1-Dichloropropene
 Concen: 48.408 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.6	56.0
77	30.9	25.0	37.6



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

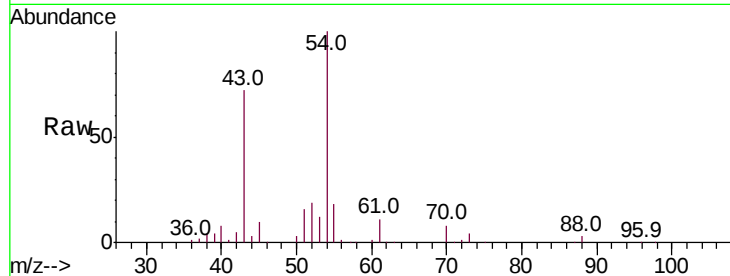




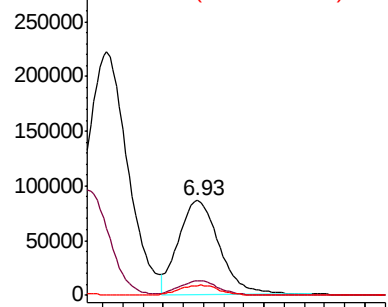
#37
Ethyl Acetate
Concen: 52.147 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

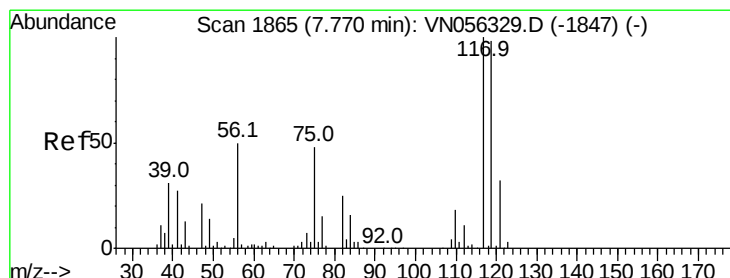
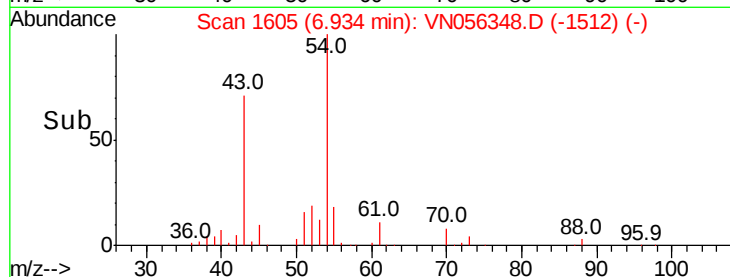
Tot Ion: 43 Resp: 242378
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 10.7 8.3 12.5



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

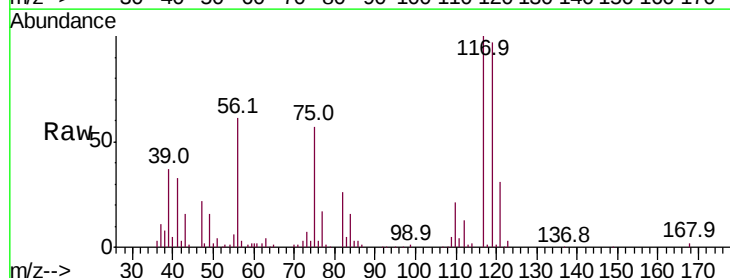


Time-->

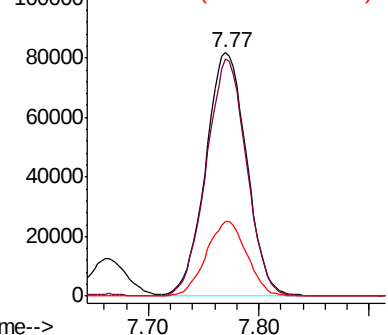


#38
Carbon Tetrachloride
Concen: 44.535 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

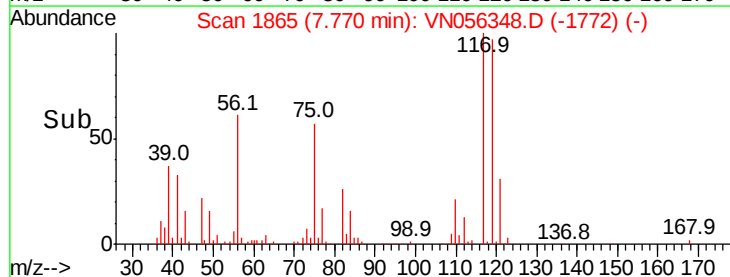
Tgt Ion: 117 Resp: 209651
Ion Ratio Lower Upper
117 100
119 97.5 77.8 116.8
121 30.7 25.3 37.9

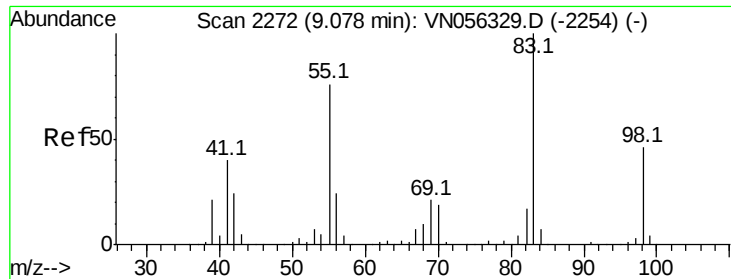


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->

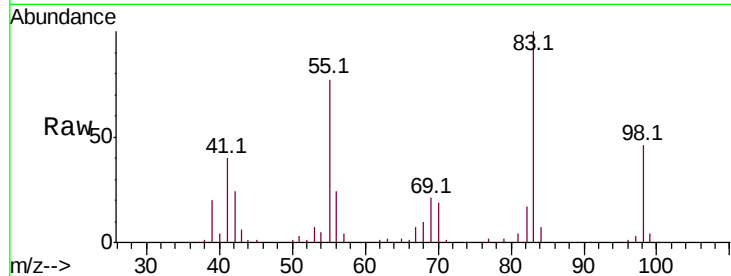




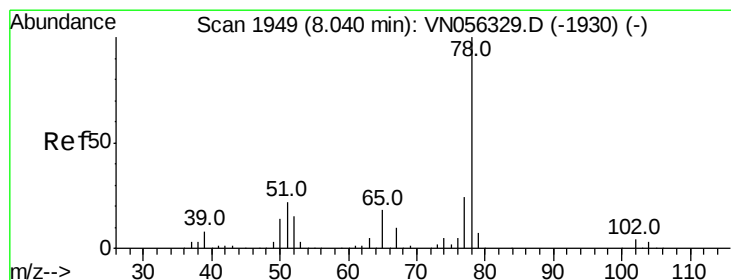
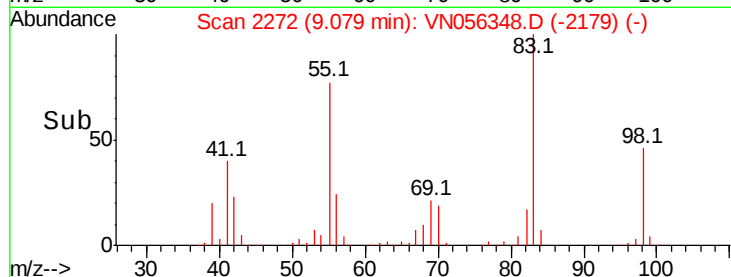
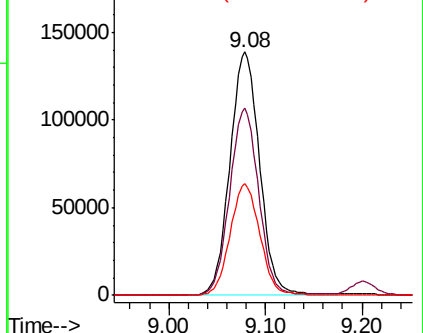
#39
Methvlcvclohexane
Concen: 49.562 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 296502
Ion Ratio Lower Upper
83 100
55 76.7 60.8 91.2
98 45.7 36.8 55.2

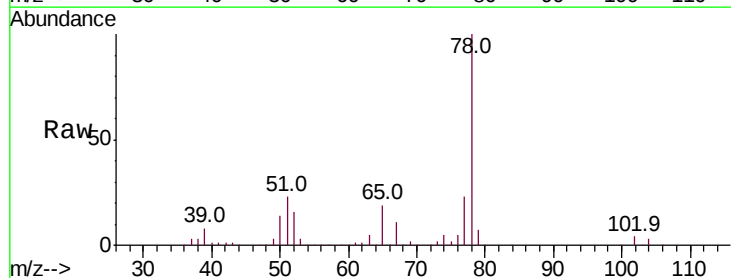


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

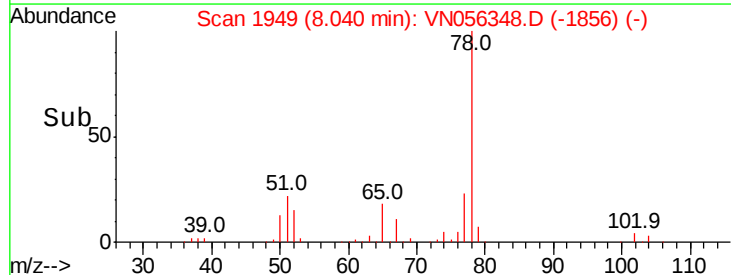
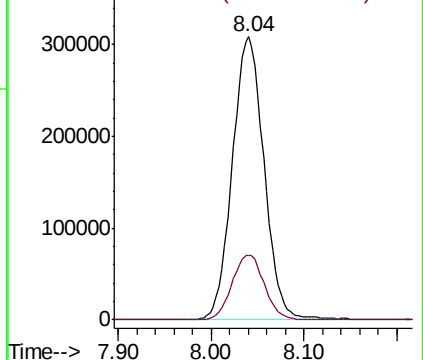


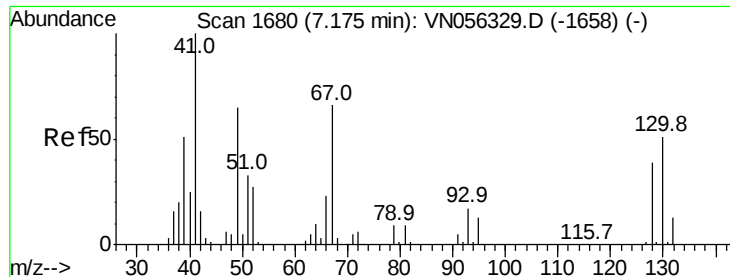
#40
Benzene
Concen: 49.222 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 78 Resp: 732318
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO

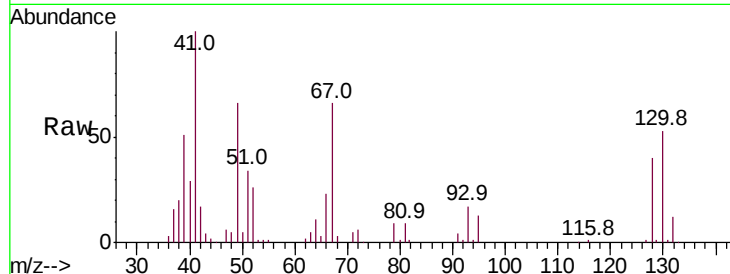




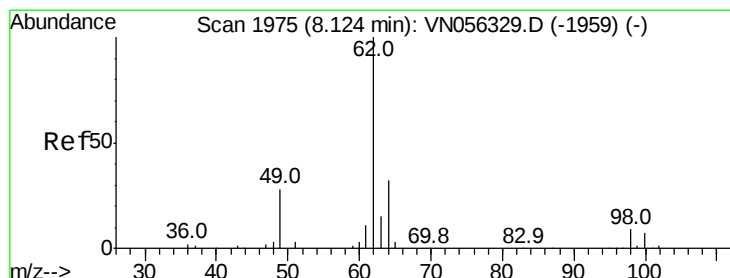
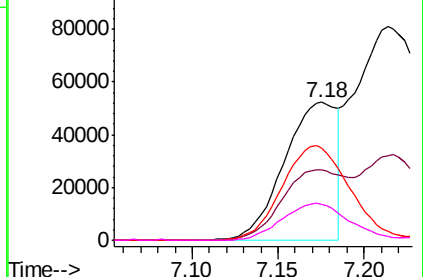
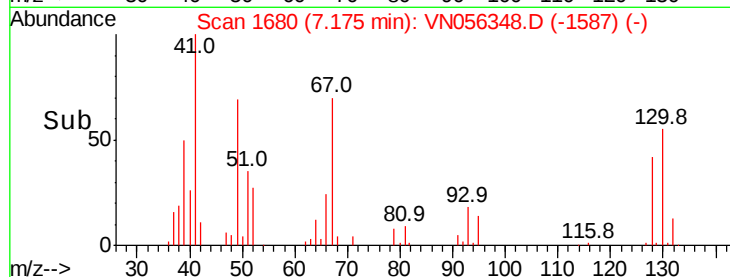
#41
Methacrylonitrile
Concen: 52.388 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 111810
Ion Ratio Lower Upper
41 100
39 60.9 44.5 66.7
67 88.2 69.0 103.4
52 34.8 28.1 42.1

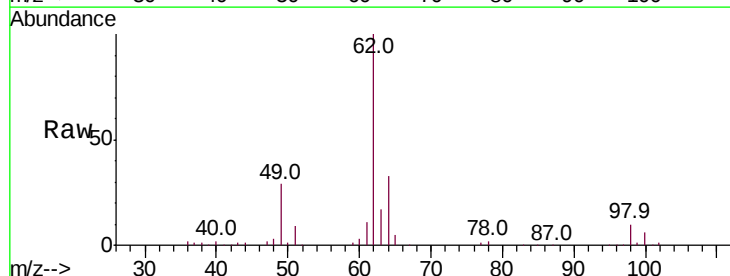


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

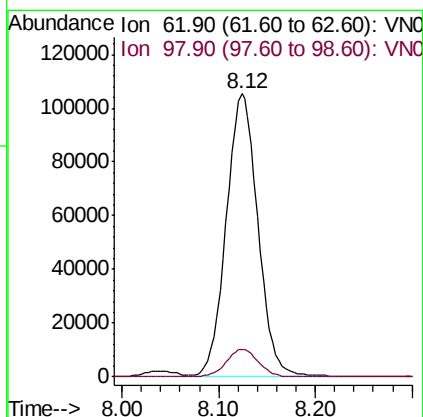
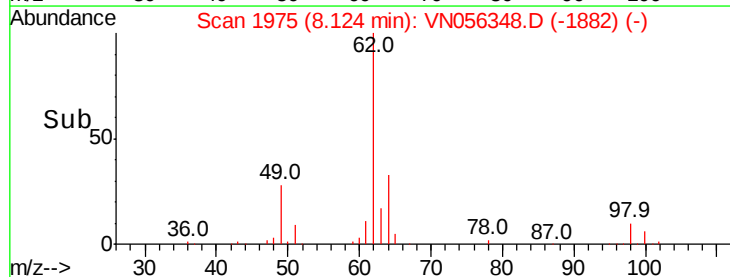


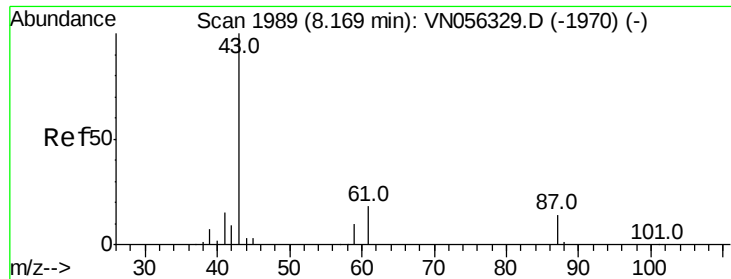
#42
1,2-Dichloroethane
Concen: 48.801 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 62 Resp: 238107
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 49.511 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

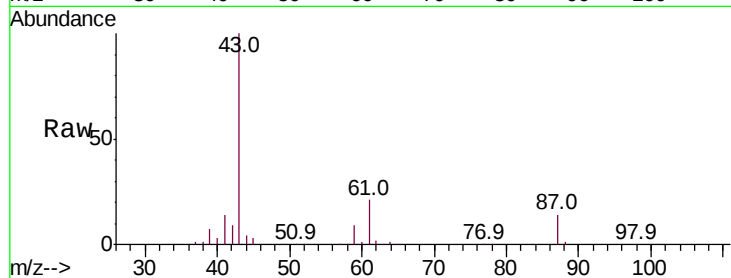
Tot Ion: 43 Resp: 368121

Ion Ratio Lower Upper

43 100

61 21.4 16.6 25.0

87 13.9 11.0 16.4



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

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

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

8.17

150000

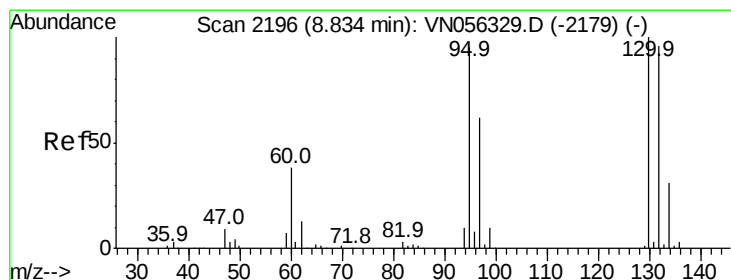
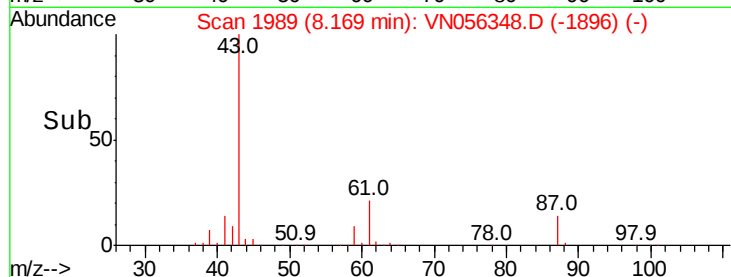
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.808 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056348.D

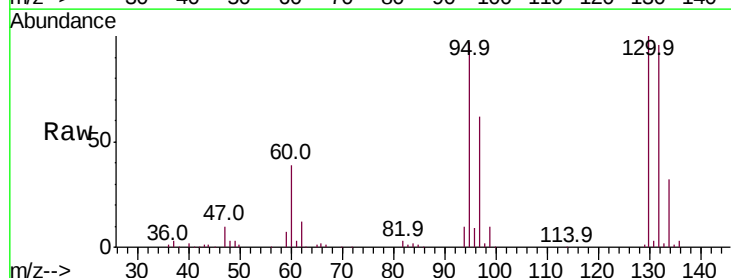
Acq: 17 Jun 2019 18:44

Tgt Ion:130 Resp: 197476

Ion Ratio Lower Upper

130 100

95 97.4 0.0 190.4



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

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

8.83

100000

80000

60000

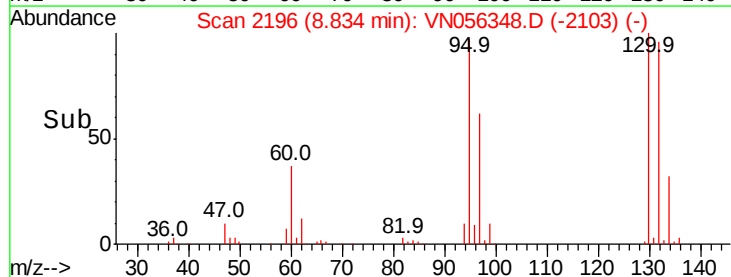
40000

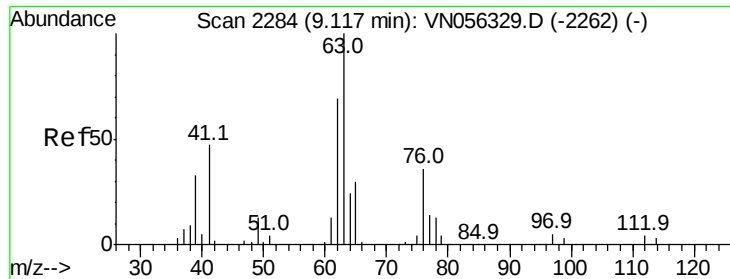
20000

0

8.75 8.80 8.85 8.90

Time-->

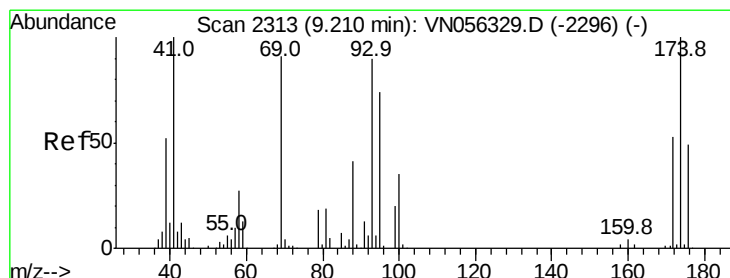
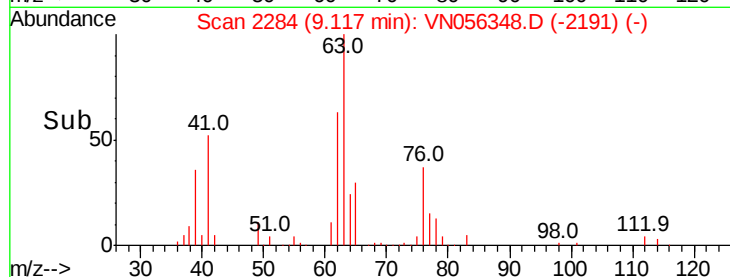
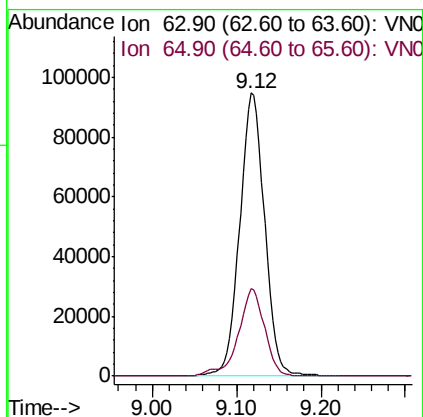
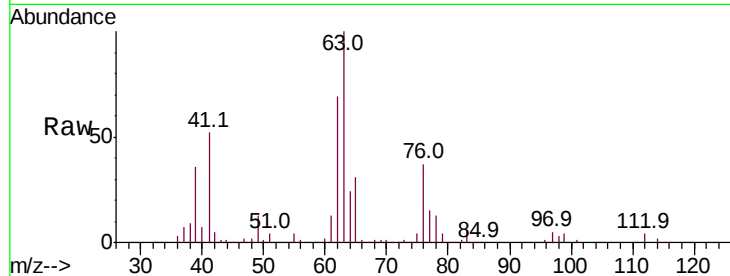




#45
 1,2-Dichloropropane
 Concen: 49.817 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

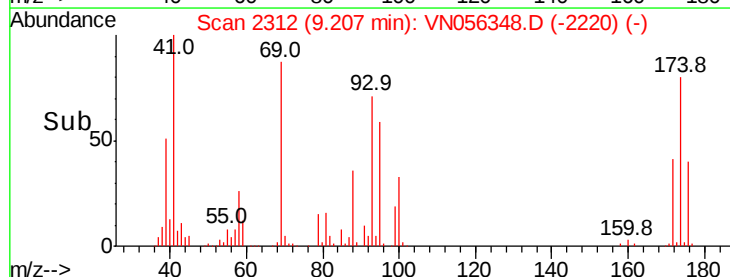
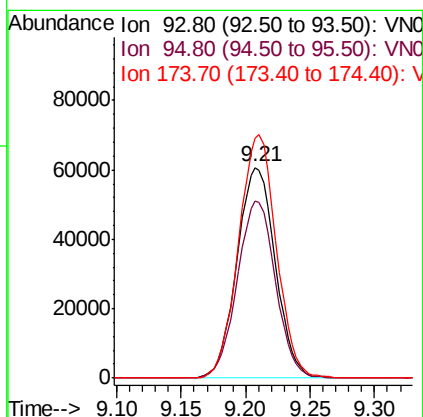
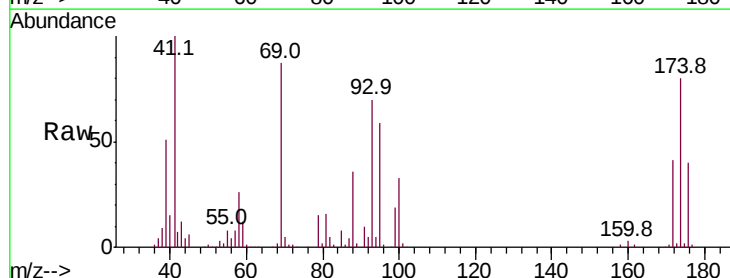
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

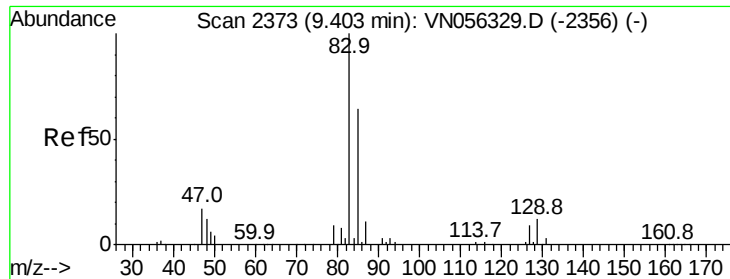
Tot Ion: 63 Resp: 195884
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6



#46
 Dibromomethane
 Concen: 48.126 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 93 Resp: 125753
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.2 100.8
 174 113.9 90.3 135.5





#47

Bromodichloromethane

Concen: 46.078 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

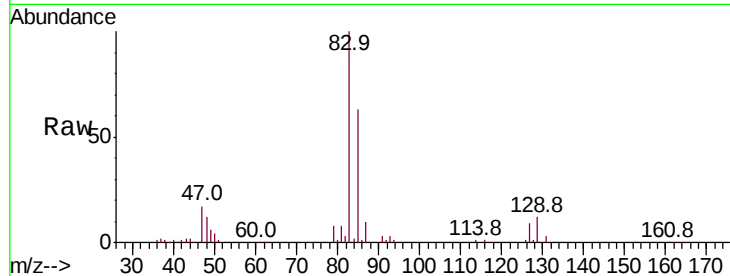
Tot Ion: 83 Resp: 230026

Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7

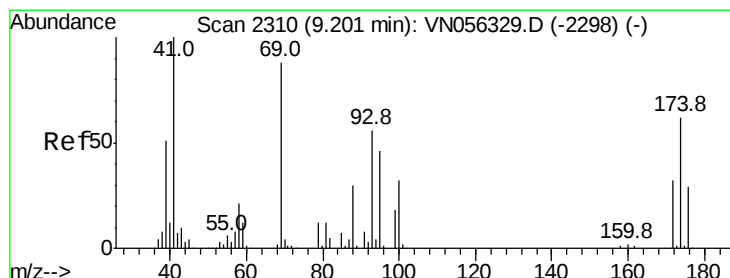
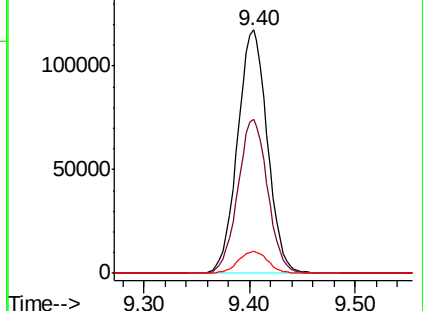
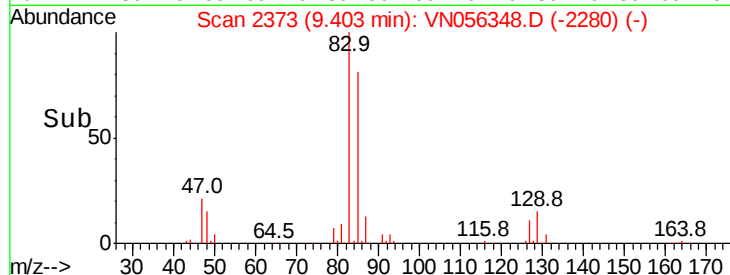
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056329.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN056329.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN056329.D (-2356) (-)



#48

Methyl methacrylate

Concen: 49.951 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

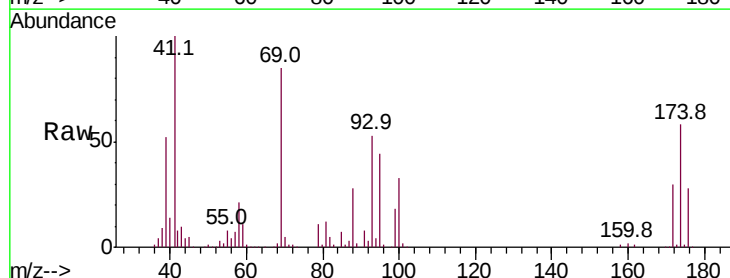
Tgt Ion: 41 Resp: 187378

Ion Ratio Lower Upper

41 100

69 87.9 71.0 106.6

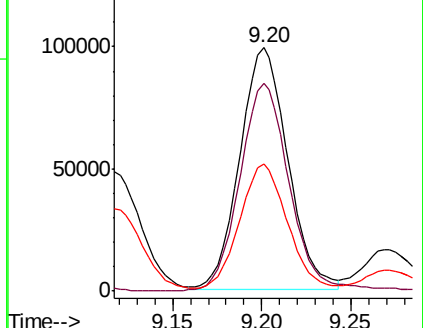
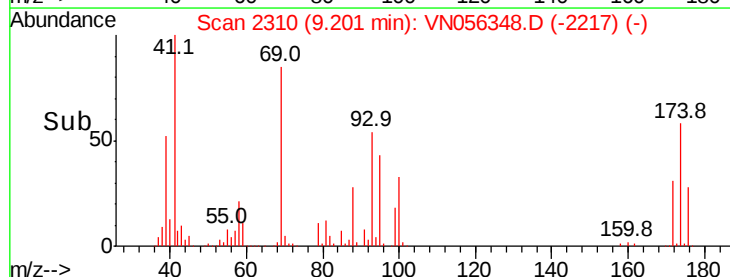
39 52.5 41.7 62.5

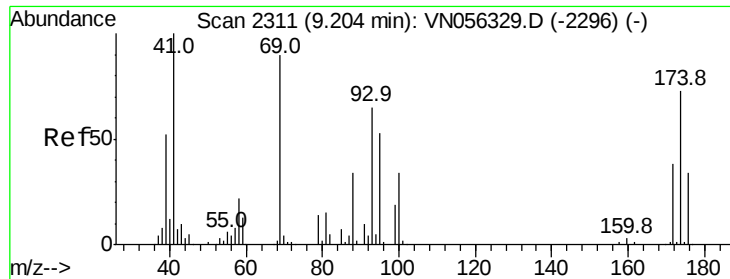


Abundance Ion 41.00 (40.70 to 41.70): VN056329.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN056329.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN056329.D (-2298) (-)





#49

1,4-Dioxane

Concen: 984.838 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

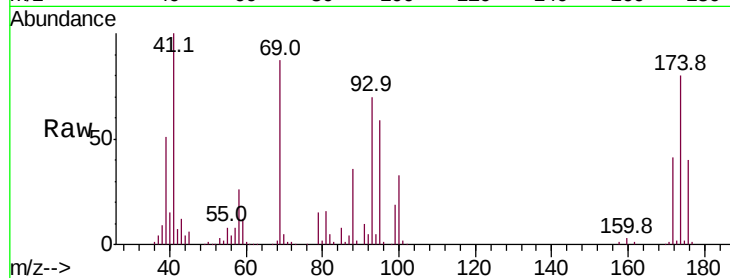
Tot Ion: 88 Resp: 74525

Ion Ratio Lower Upper

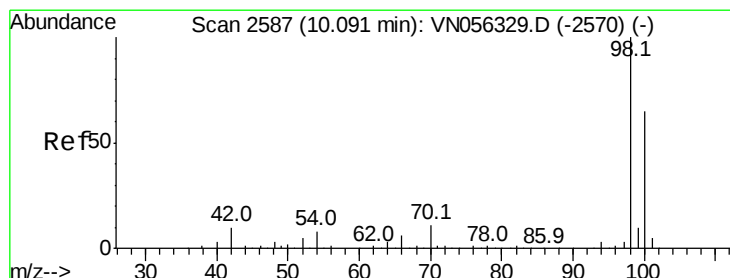
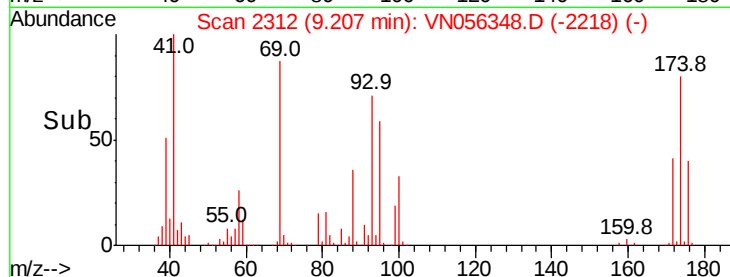
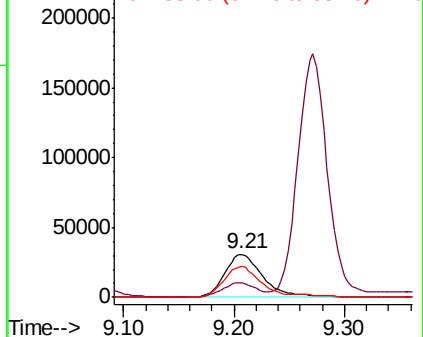
88 100

43 28.7 21.9 32.9

58 68.1 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.788 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056348.D

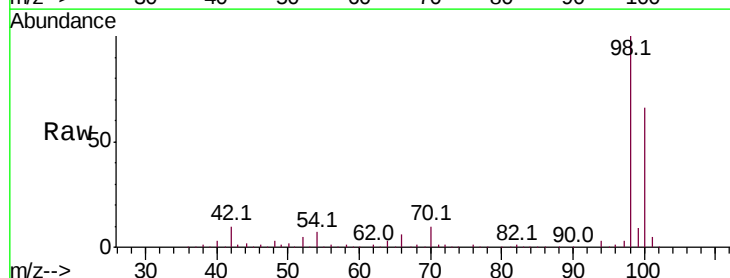
Acq: 17 Jun 2019 18:44

Tgt Ion: 98 Resp: 691494

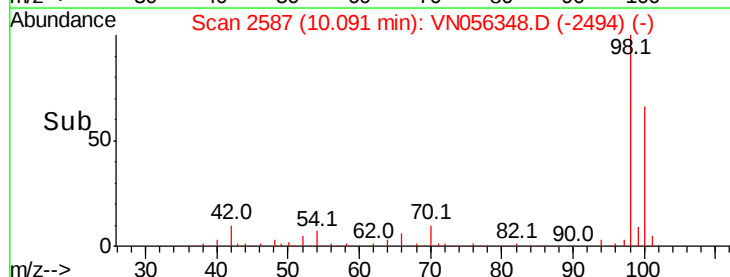
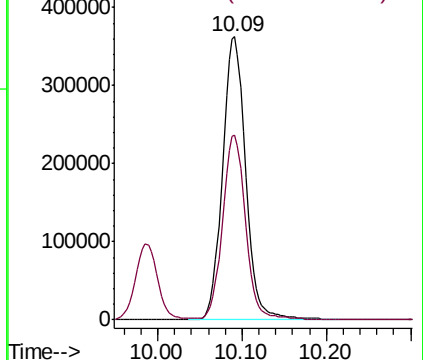
Ion Ratio Lower Upper

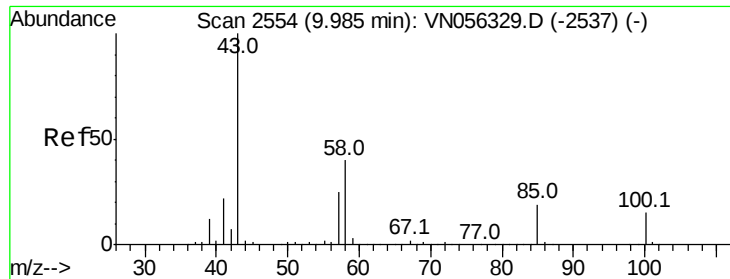
98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 251.962 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

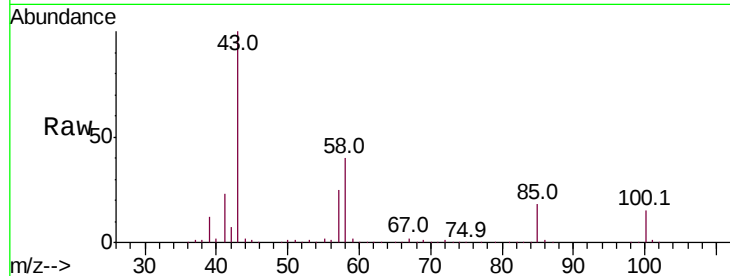
VSTDCCC050EC

Tot Ion: 43 Resp: 1193972

Ion Ratio Lower Upper

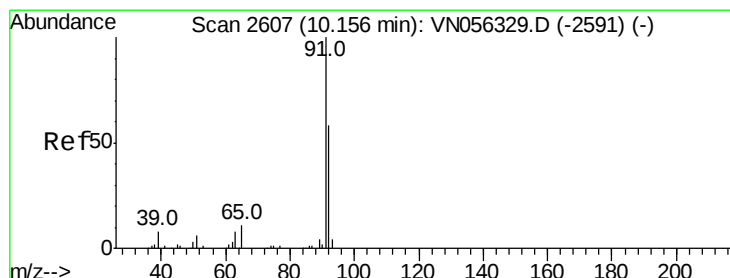
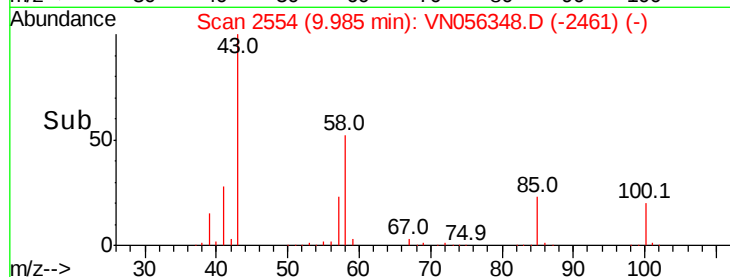
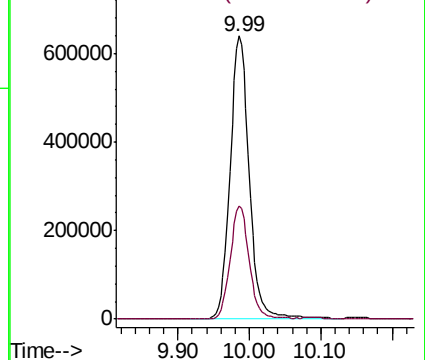
43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.037 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056348.D

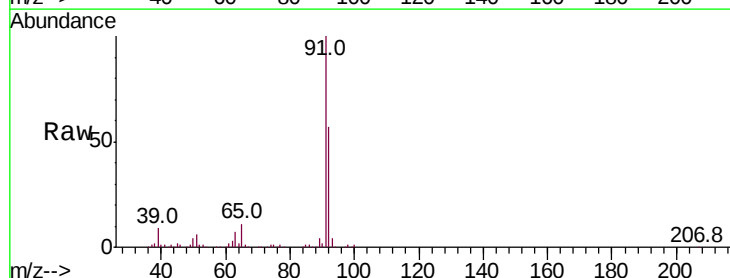
Acq: 17 Jun 2019 18:44

Tgt Ion: 92 Resp: 454392

Ion Ratio Lower Upper

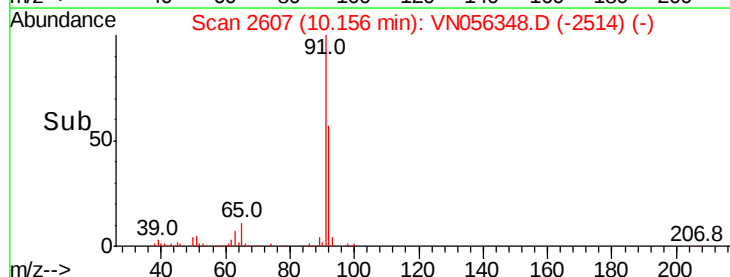
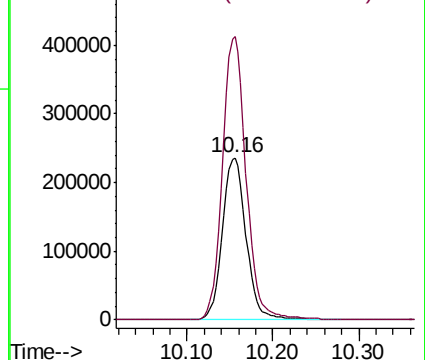
92 100

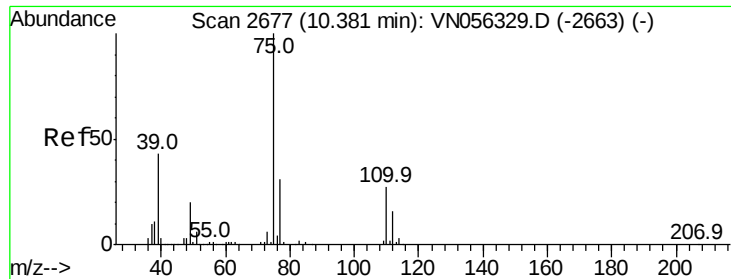
91 174.1 139.1 208.7



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: 47.969 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

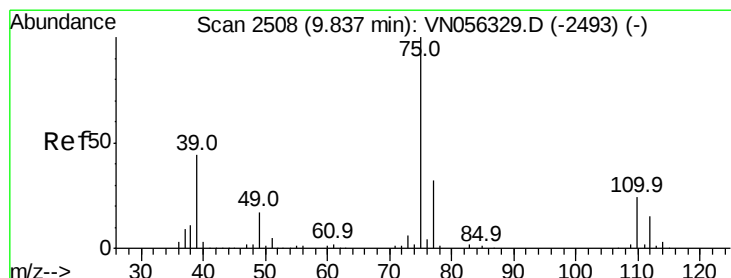
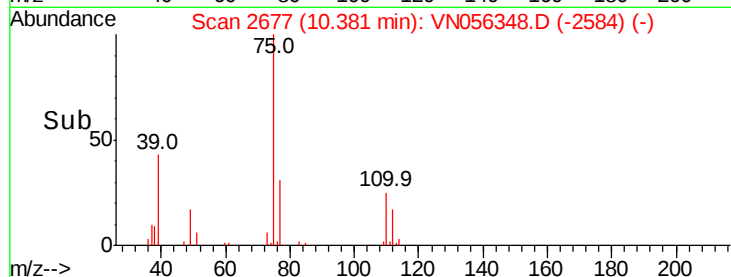
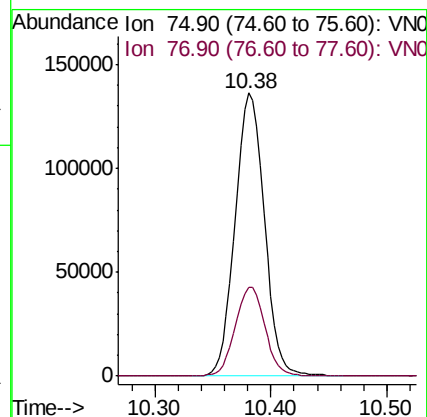
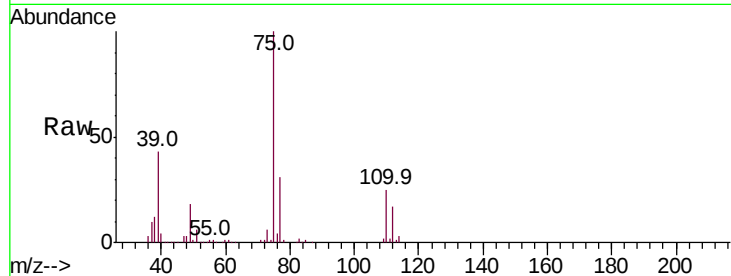
VSTDCCC050EC

Tot Ion: 75 Resp: 237773

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 48.554 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

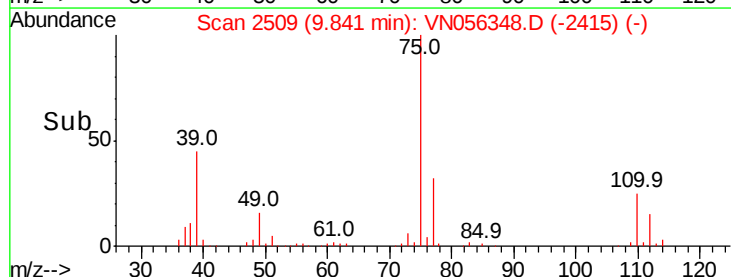
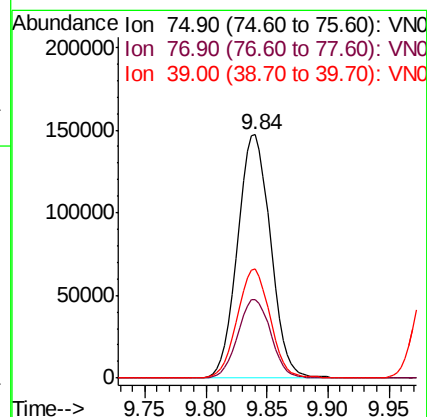
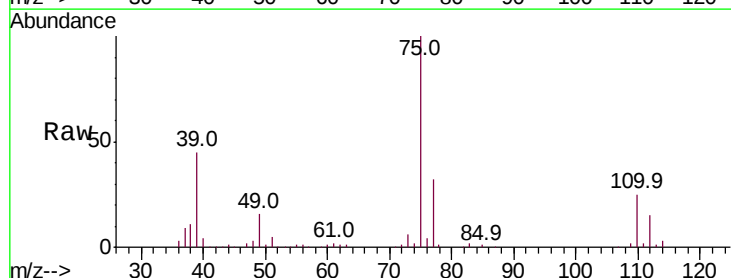
Tgt Ion: 75 Resp: 277597

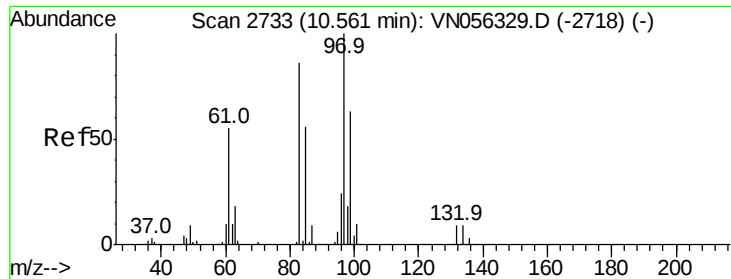
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 44.8 35.4 53.0



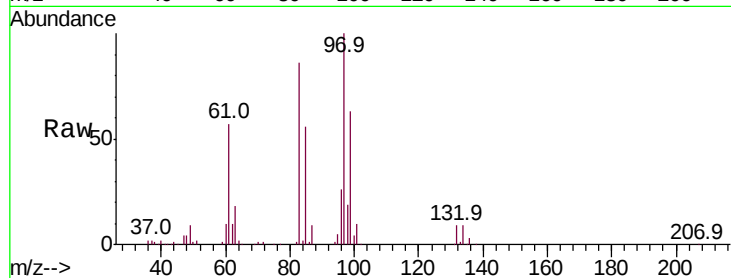


#55
 1,1,2-Trichloroethane
 Concen: 48.732 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 181874

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.0	103.4
85	56.0	44.6	67.0
99	63.0	50.5	75.7



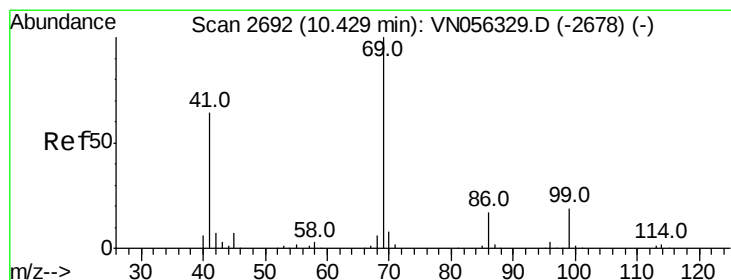
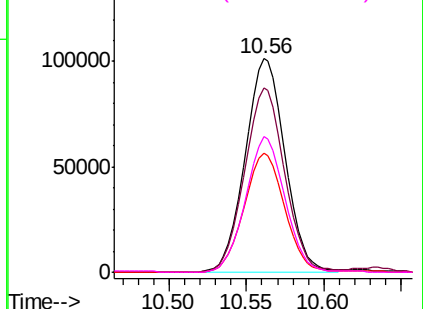
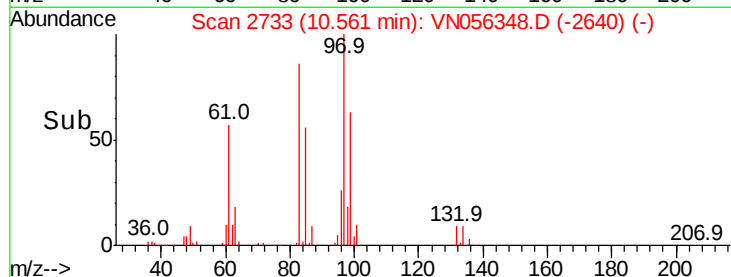
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

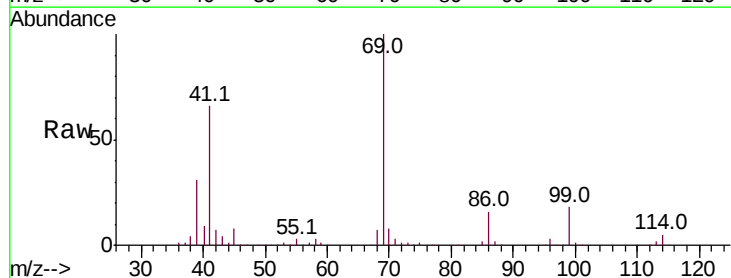
Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 52.019 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 69 Resp: 279201

Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.0	78.0
39	30.6	24.4	36.6

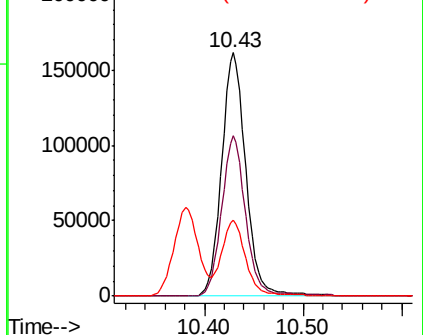
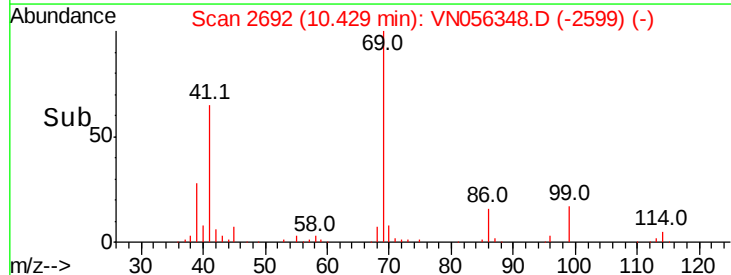


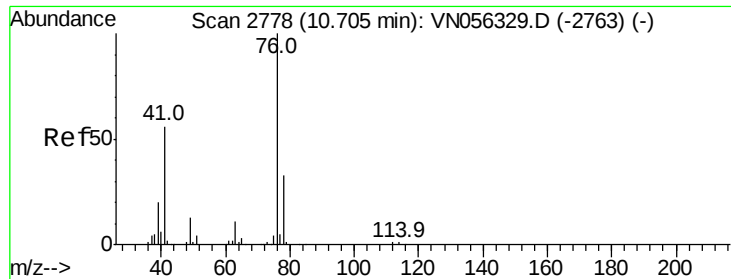
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.959 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

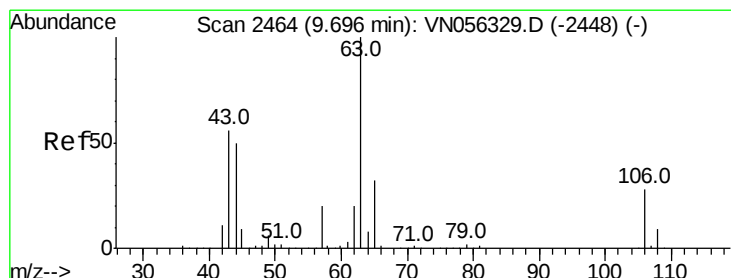
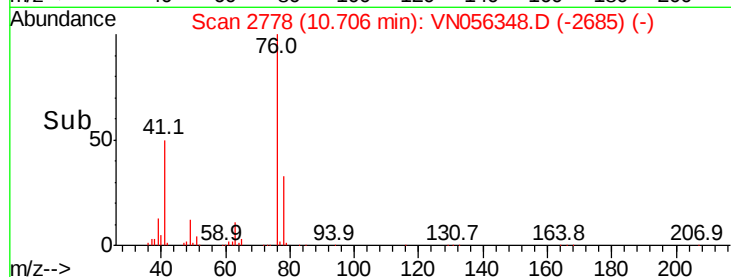
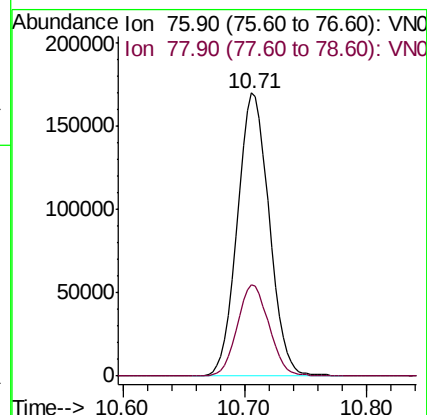
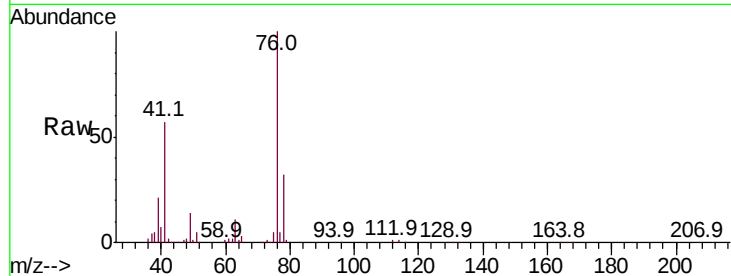
VSTDCCC050EC

Tot Ion: 76 Resp: 307776

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 273.918 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056348.D

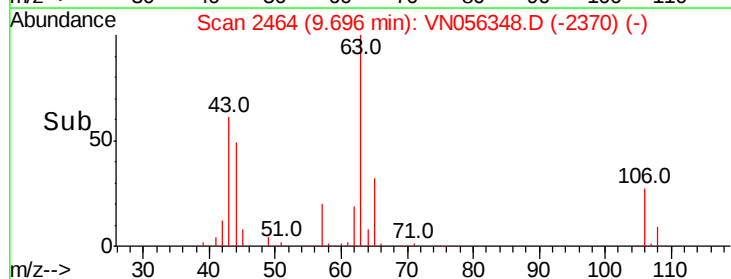
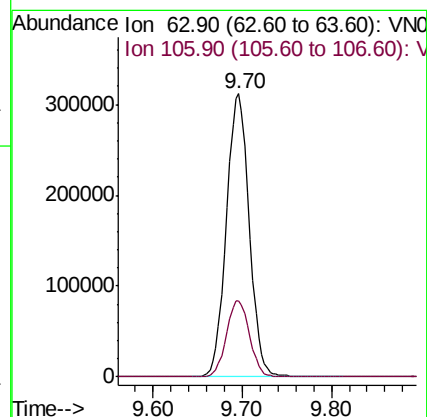
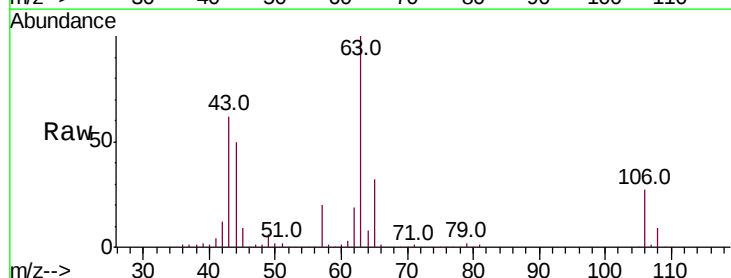
Acq: 17 Jun 2019 18:44

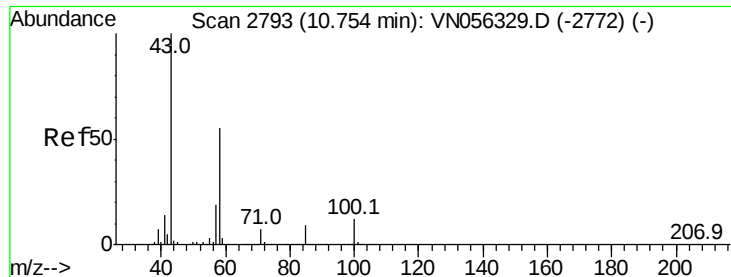
Tgt Ion: 63 Resp: 552812

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.2

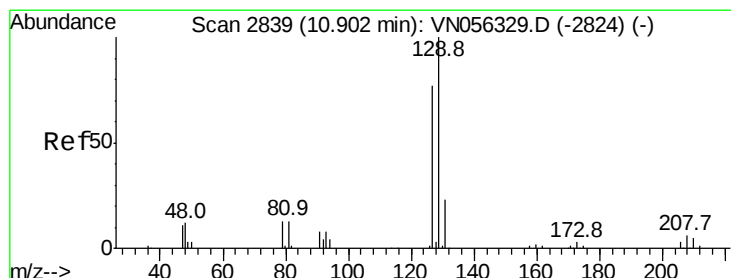
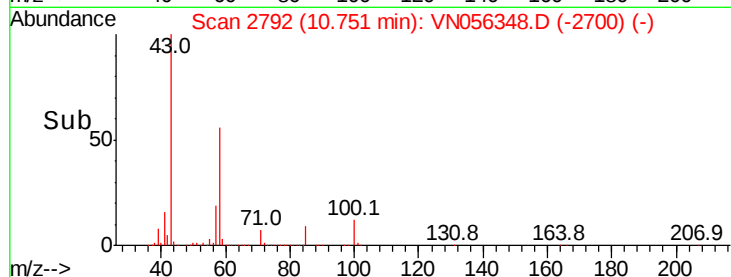
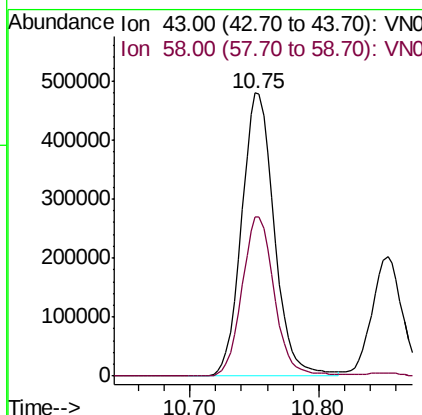
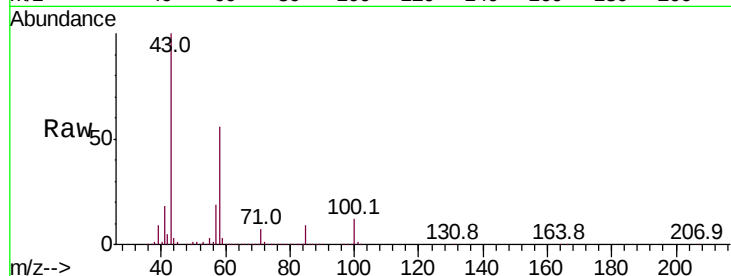




#59
2-Hexanone
Concen: 239.356 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

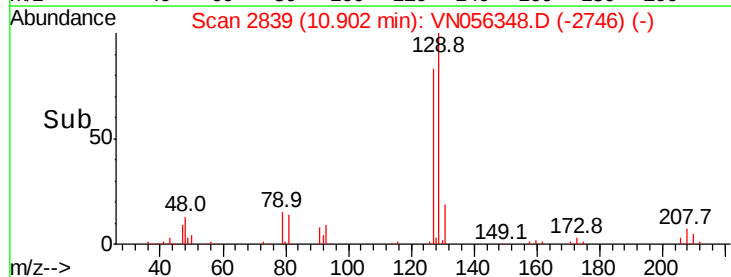
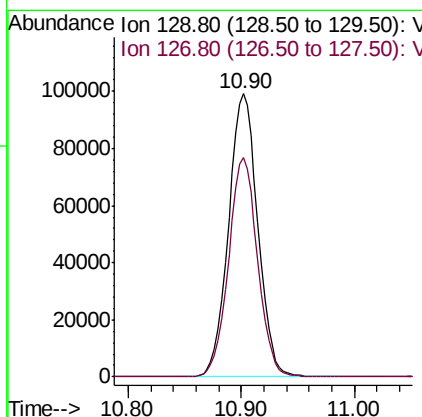
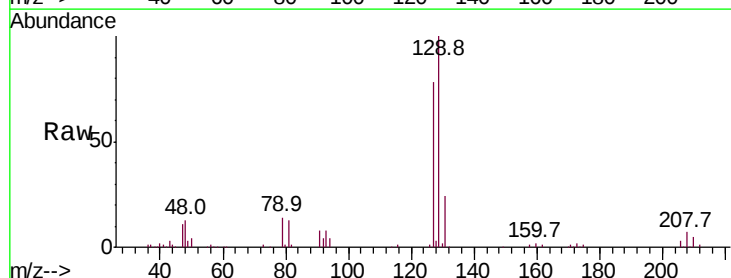
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

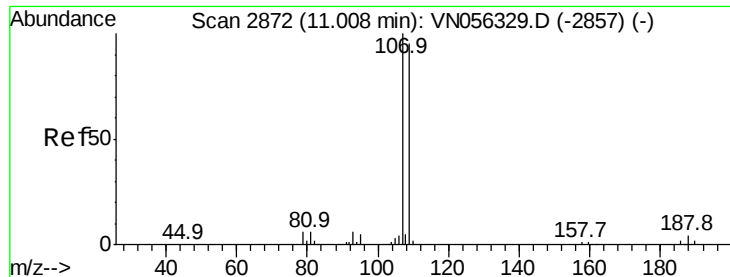
Tot Ion: 43 Resp: 841198
Ion Ratio Lower Upper
43 100
58 56.1 27.8 83.4



#60
Dibromochloromethane
Concen: 45.620 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 129 Resp: 178577
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0

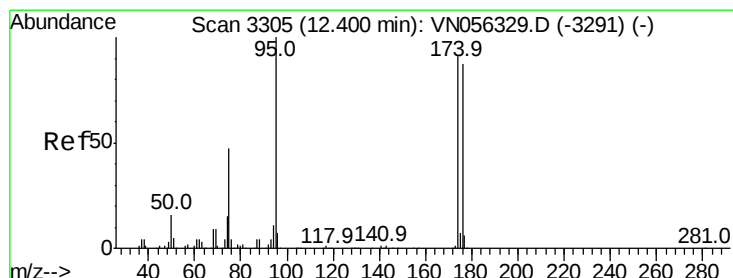
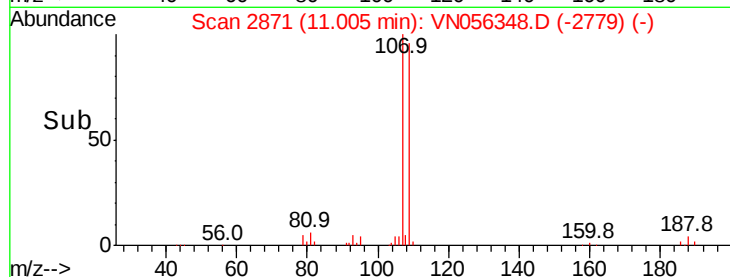
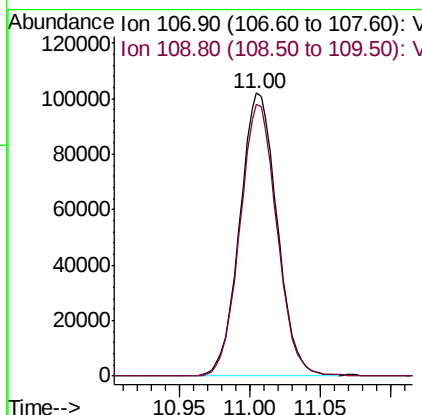
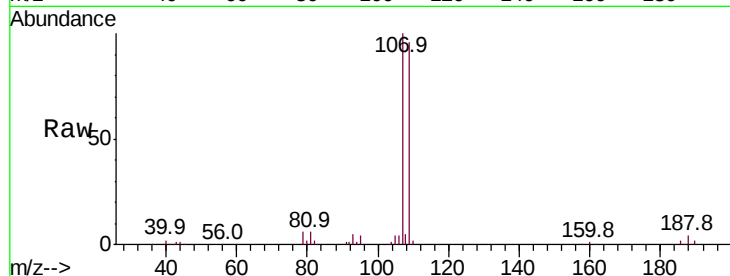




#61
1,2-Dibromoethane
Concen: 49.304 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

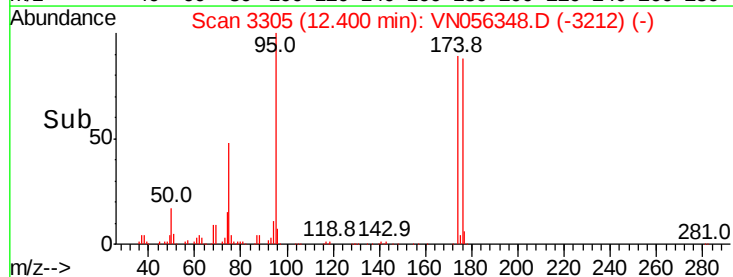
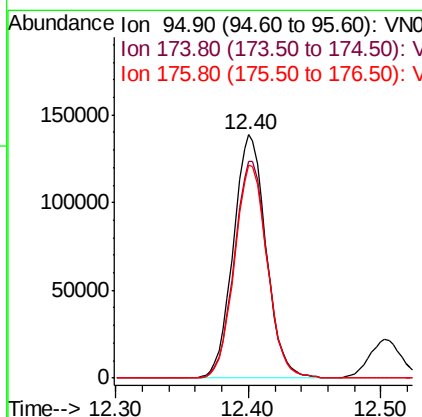
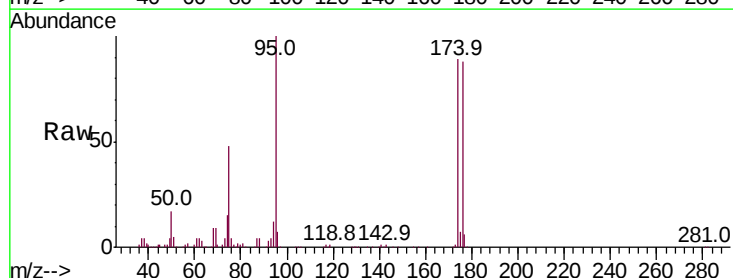
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

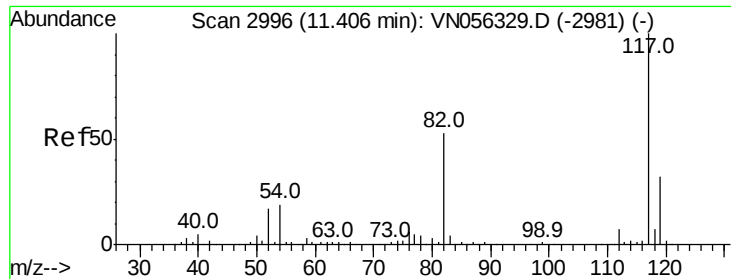
Tot Ion:107 Resp: 189148
Ion Ratio Lower Upper
107 100
109 95.4 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 53.668 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 95 Resp: 237460
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.6
176 87.6 0.0 176.8

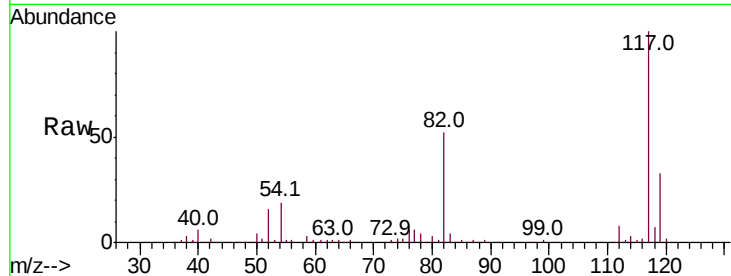




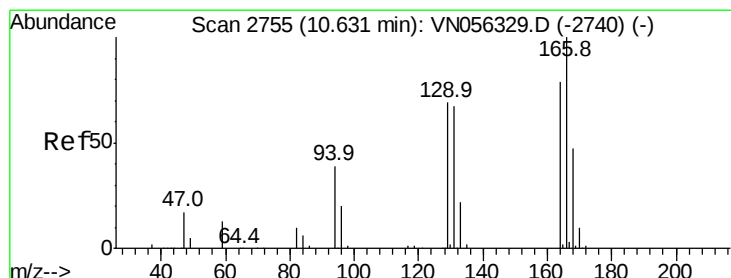
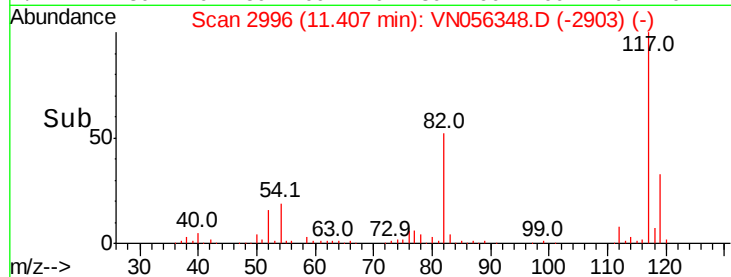
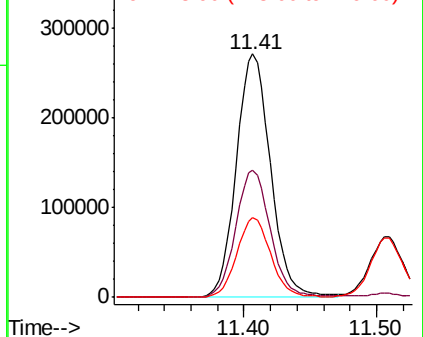
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 487318
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 32.6 26.0 39.0

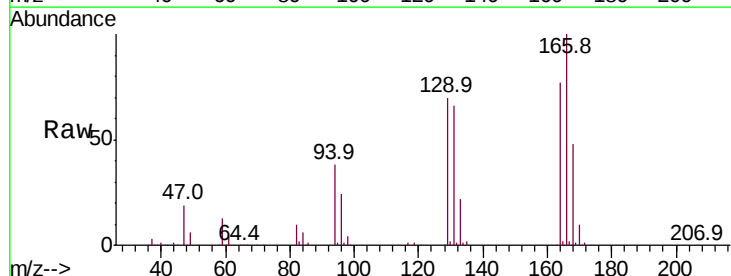


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

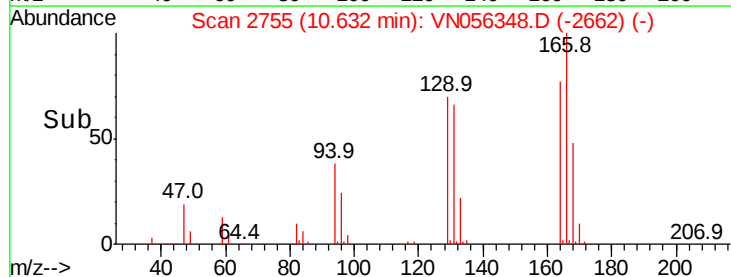
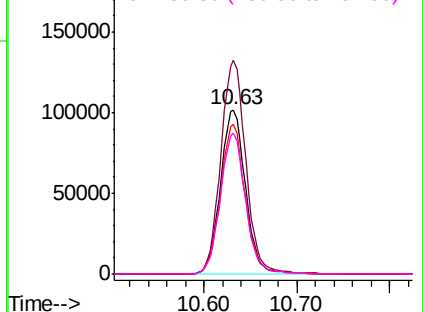


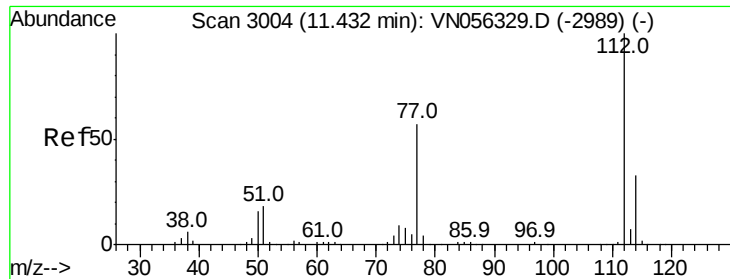
#64
Tetrachloroethene
Concen: 47.823 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion:164 Resp: 191116
Ion Ratio Lower Upper
164 100
166 129.9 101.8 152.6
129 91.3 70.3 105.5
131 85.5 68.2 102.4



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

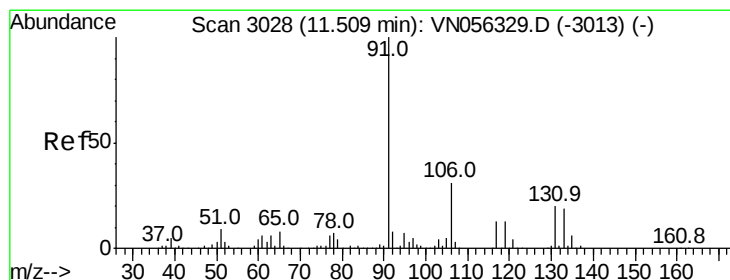
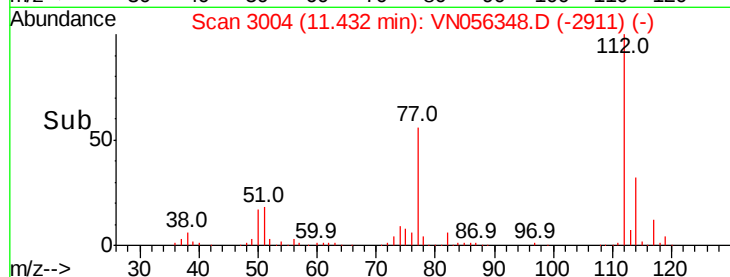
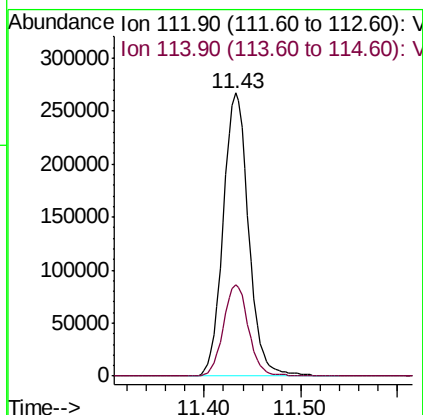
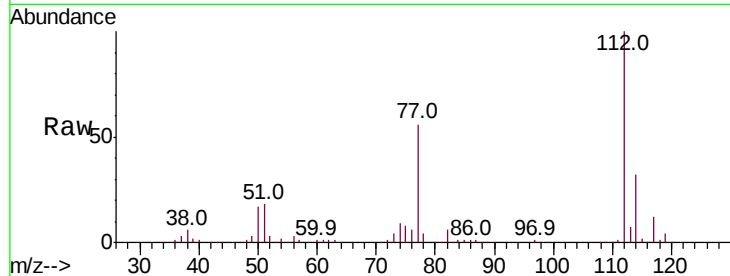




#65
Chlorobenzene
Concen: 49.388 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

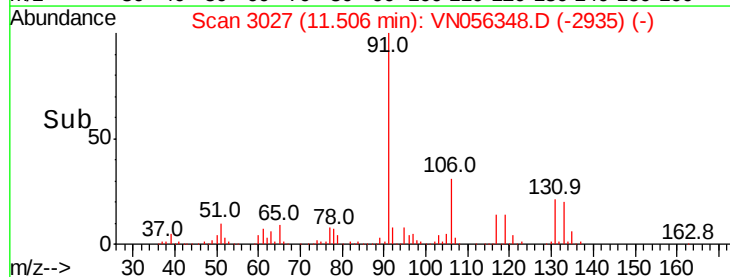
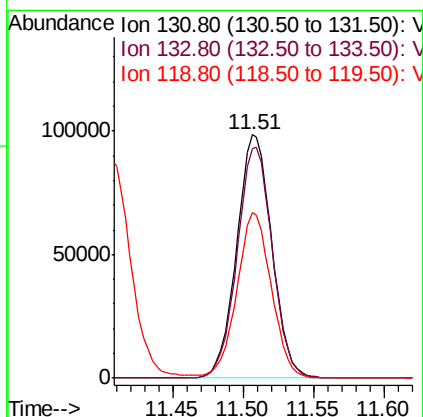
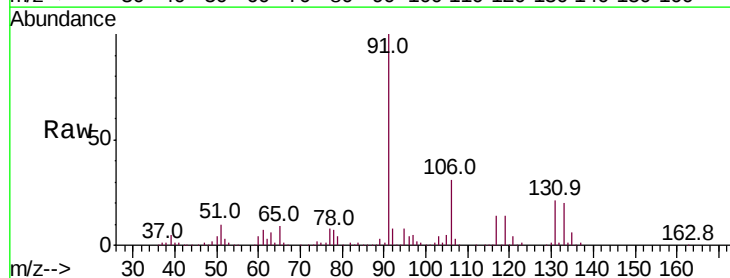
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

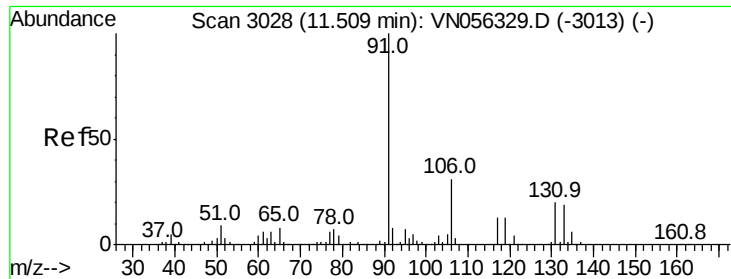
Tot Ion:112 Resp: 488631
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 46.537 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion:131 Resp: 171888
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.7
119 66.8 33.5 100.5

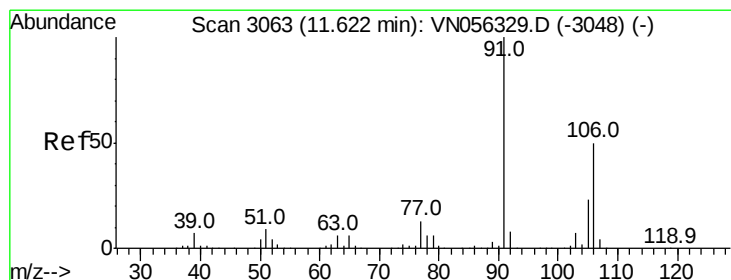
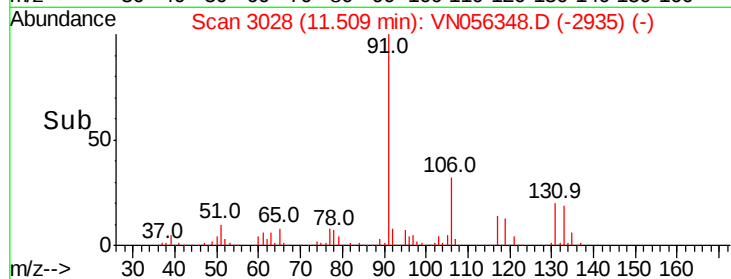
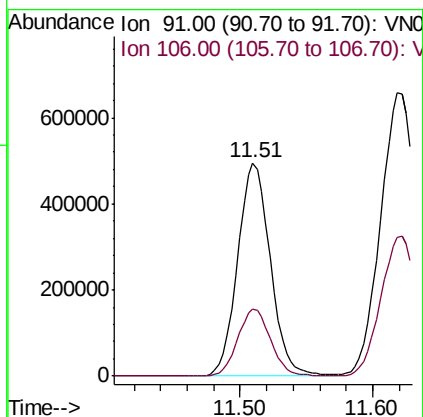
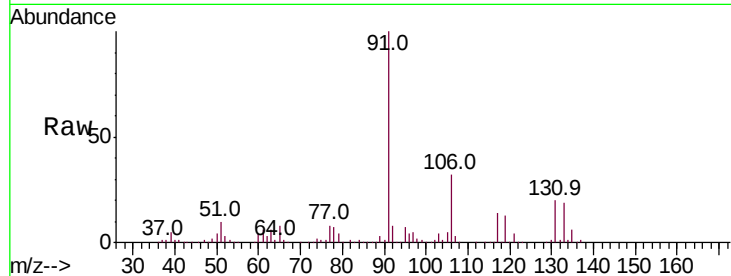




#67
Ethyl Benzene
Concen: 49.847 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

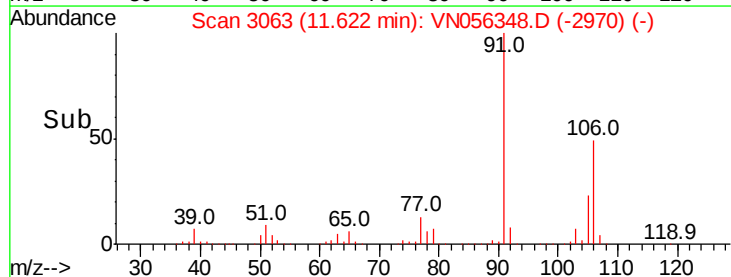
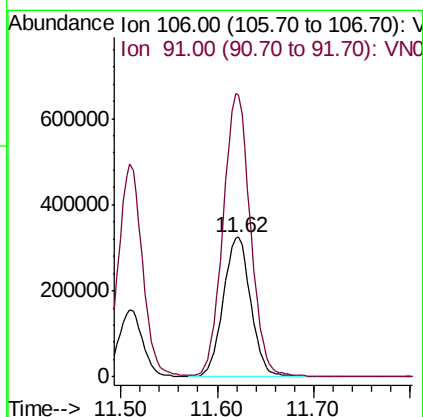
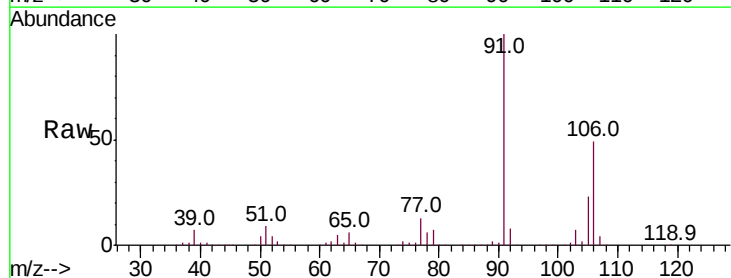
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

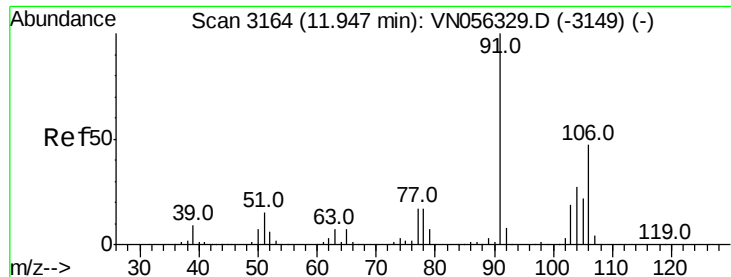
Tot Ion: 91 Resp: 848894
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 101.642 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 106 Resp: 644253
Ion Ratio Lower Upper
106 100
91 201.4 160.7 241.1

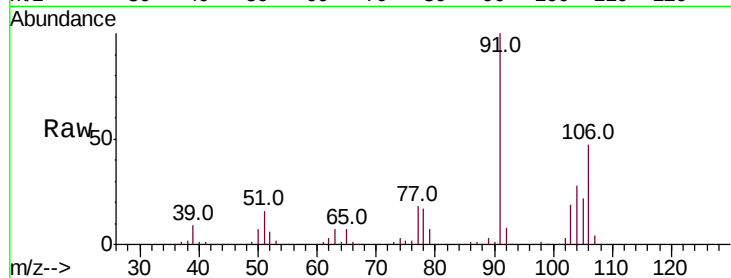




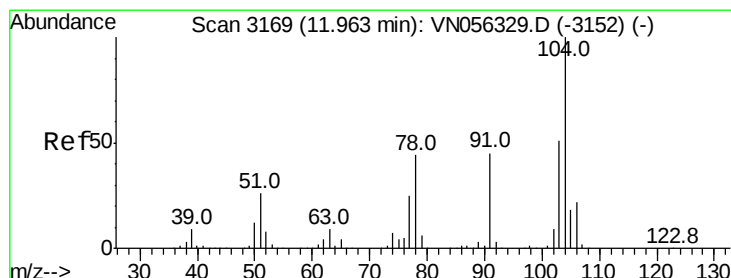
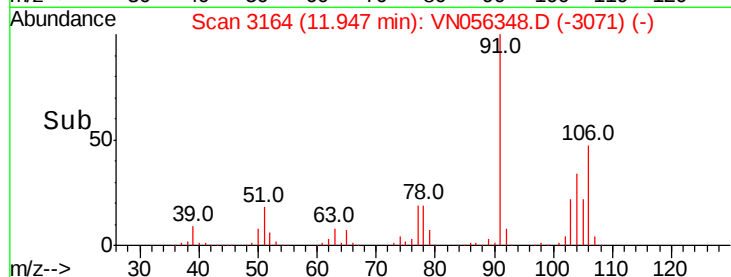
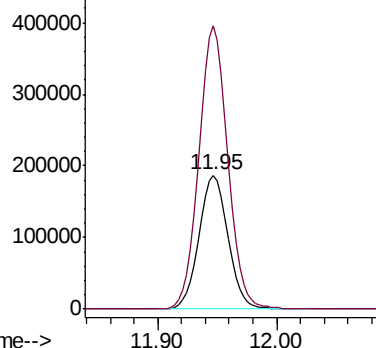
#69
o-Xylene
Concen: 50.665 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 316562
Ion Ratio Lower Upper
106 100
91 209.8 105.6 316.7

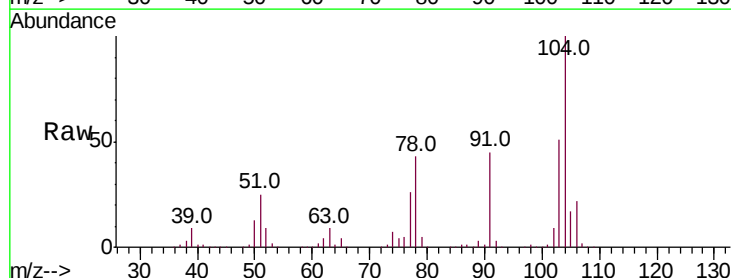


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

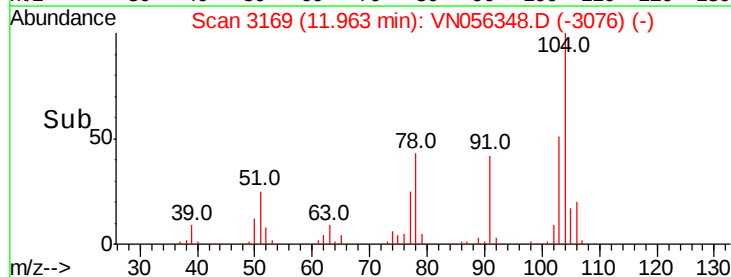
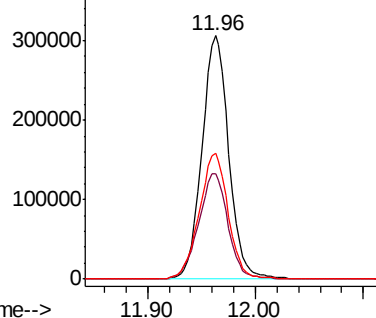


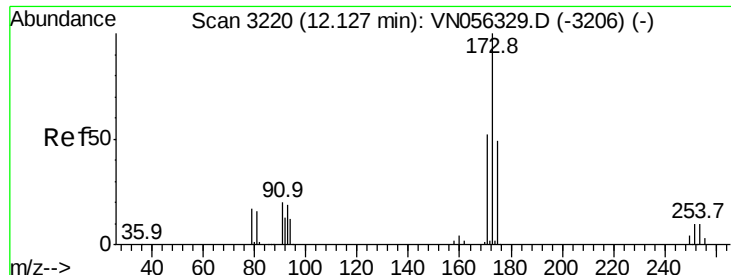
#70
Styrene
Concen: 52.544 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion:104 Resp: 530037
Ion Ratio Lower Upper
104 100
78 47.7 38.4 57.6
103 55.9 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

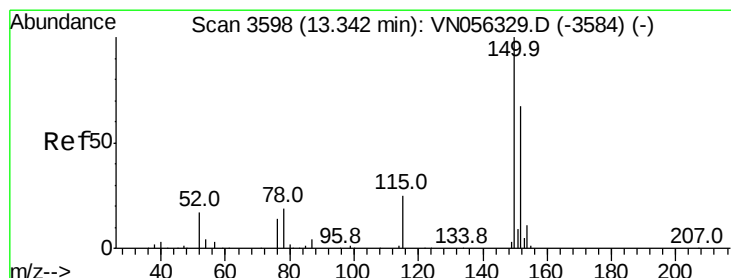
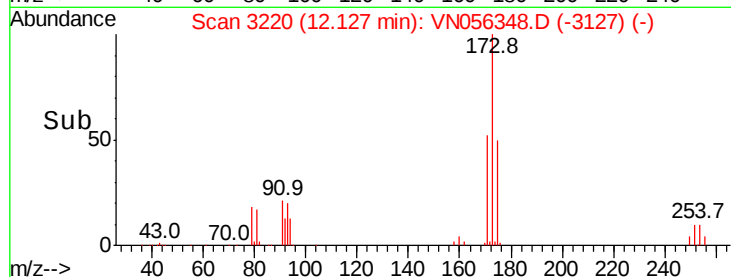
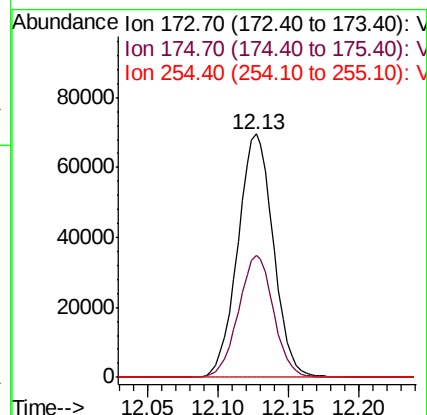
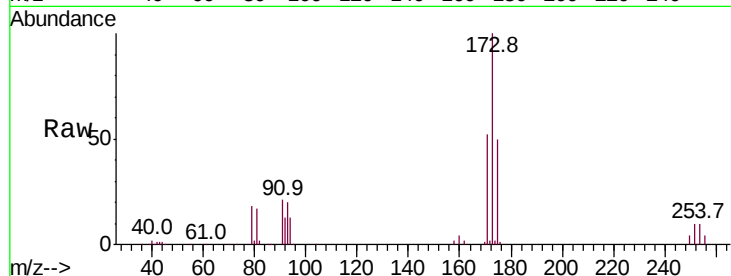




#71
Bromoform
Concen: 42.727 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

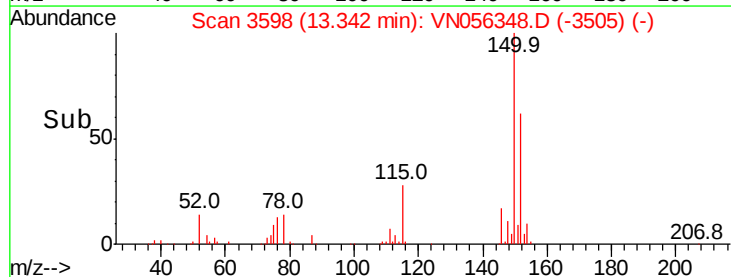
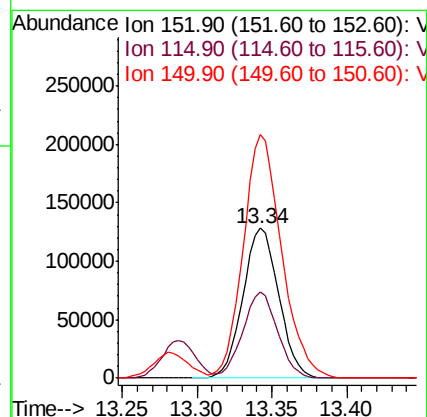
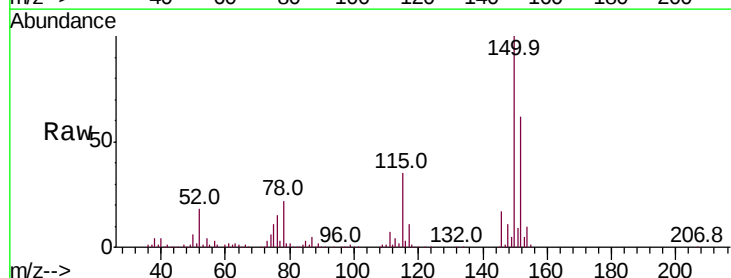
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

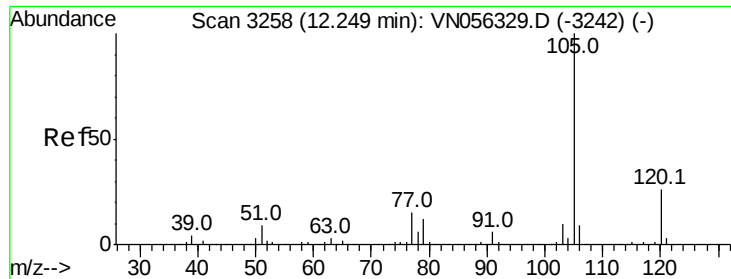
Tot Ion:173 Resp: 122645
Ion Ratio Lower Upper
173 100
175 49.4 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion:152 Resp: 214331
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.3
150 173.4 0.0 345.8





#73

Isopropylbenzene

Concen: 52.498 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

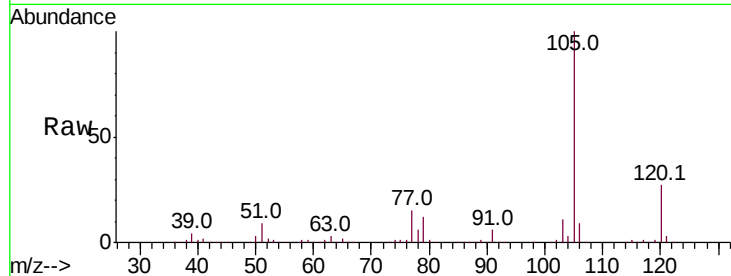
VSTDCCC050EC

Tot Ion:105 Resp: 831506

Ion Ratio Lower Upper

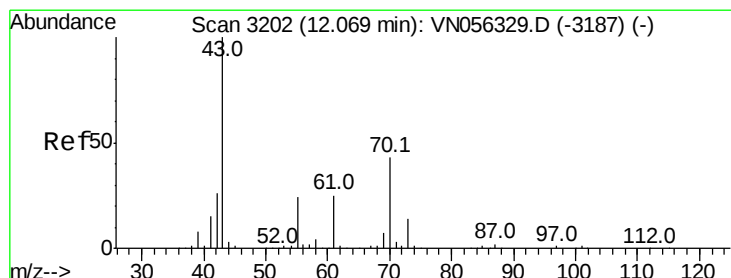
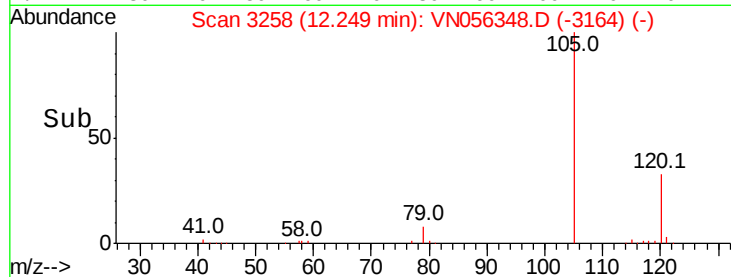
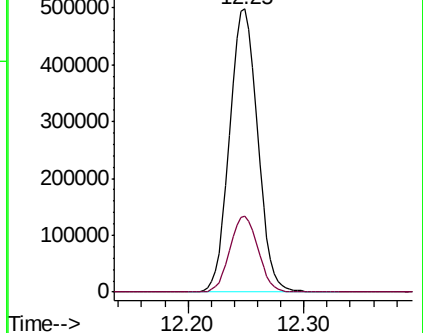
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.532 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Tgt Ion: 43 Resp: 306674

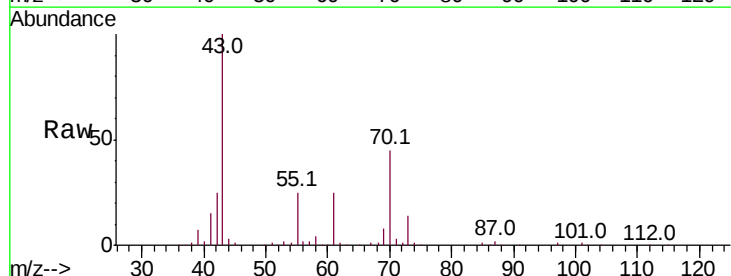
Ion Ratio Lower Upper

43 100

70 44.4 34.2 51.2

55 25.8 19.9 29.9

61 25.1 19.7 29.5

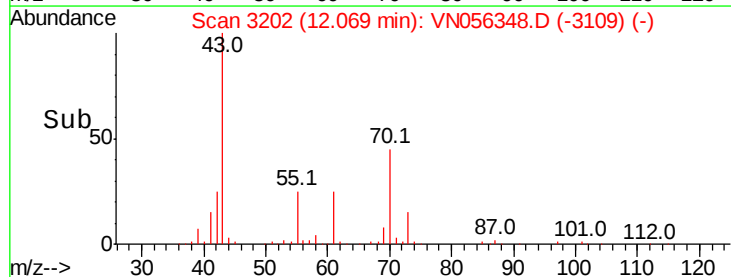
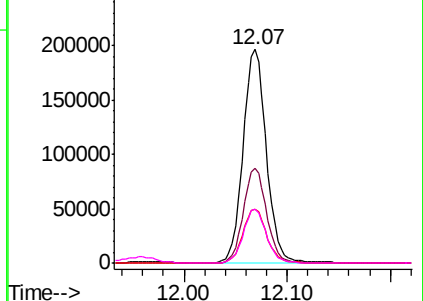


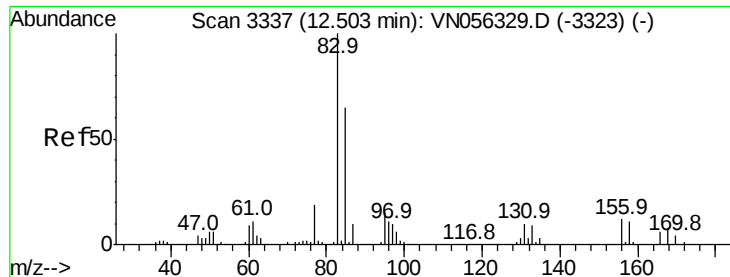
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.512 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

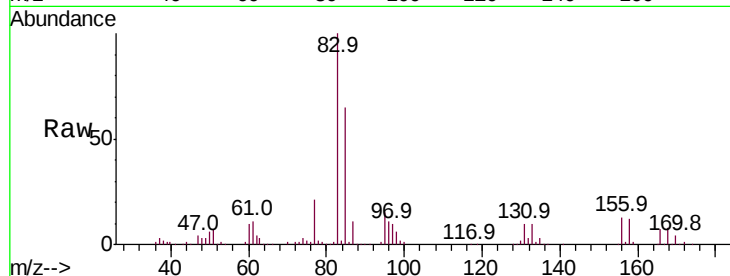
Tot Ion: 83 Resp: 255754

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

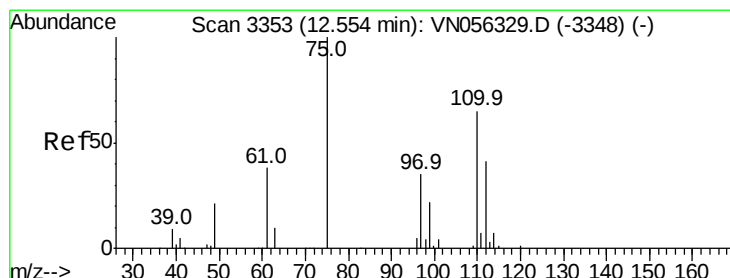
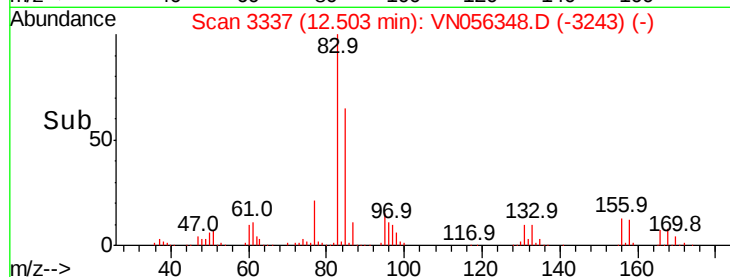
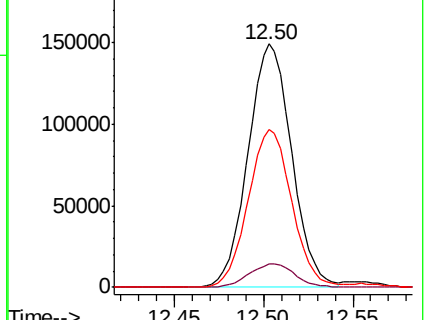
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN056329.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN056329.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN056329.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 45.332 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056348.D

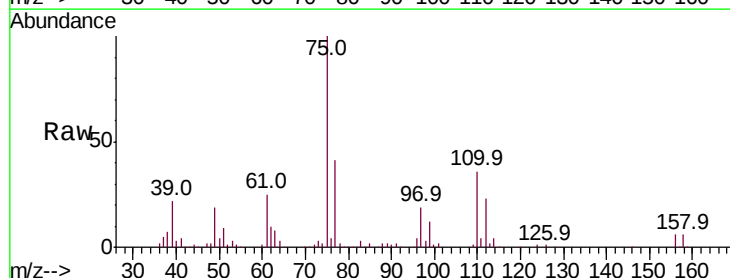
Acq: 17 Jun 2019 18:44

Tgt Ion: 75 Resp: 207589

Ion Ratio Lower Upper

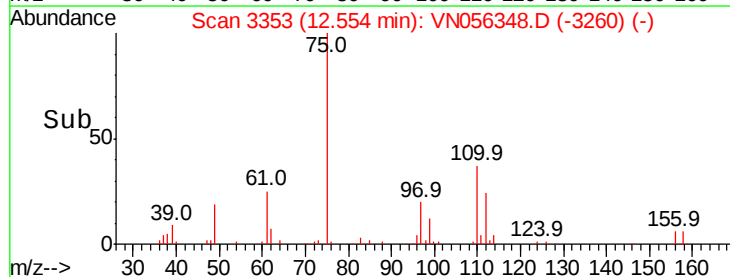
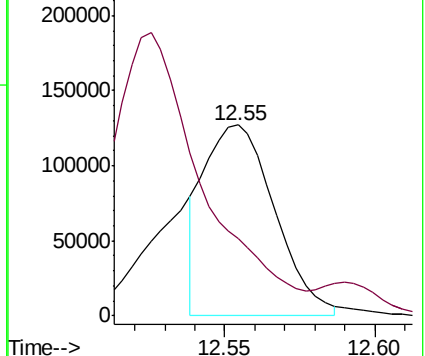
75 100

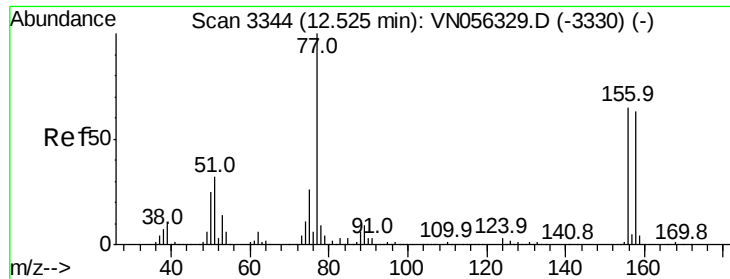
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056329.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN056329.D (-3348) (-)





#77

Bromobenzene

Concen: 51.459 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

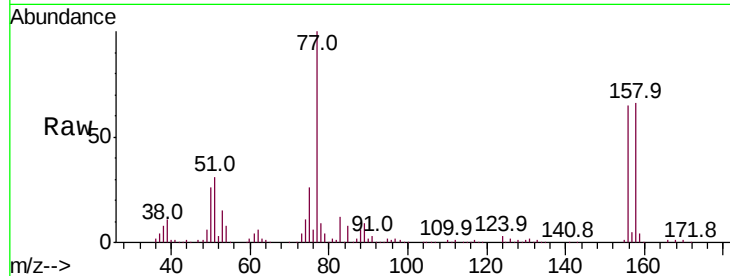
Tot Ion:156 Resp: 218420

Ion Ratio Lower Upper

156 100

77 185.2 92.9 278.7

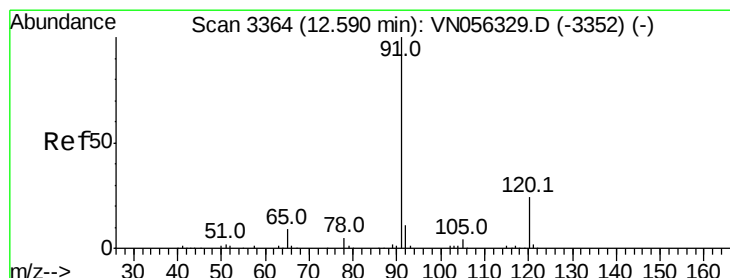
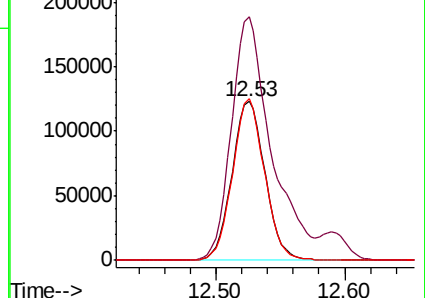
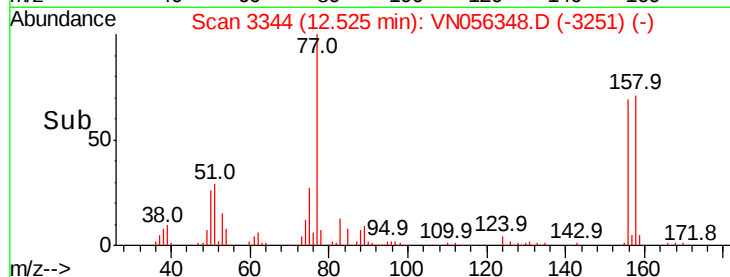
158 98.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.433 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056348.D

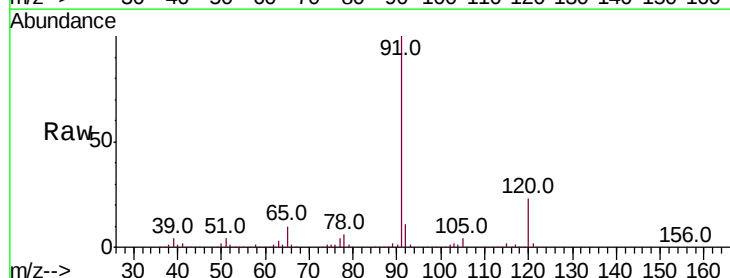
Acq: 17 Jun 2019 18:44

Tgt Ion: 91 Resp: 912553

Ion Ratio Lower Upper

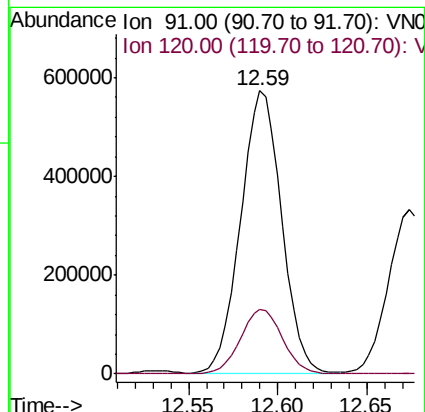
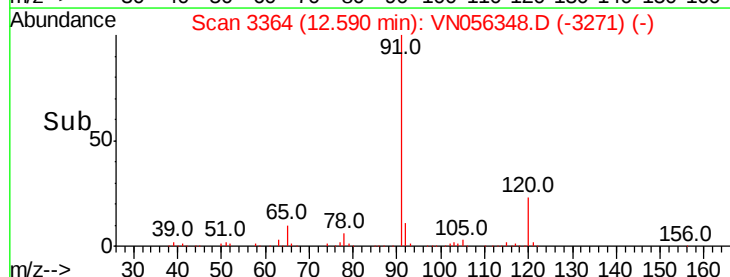
91 100

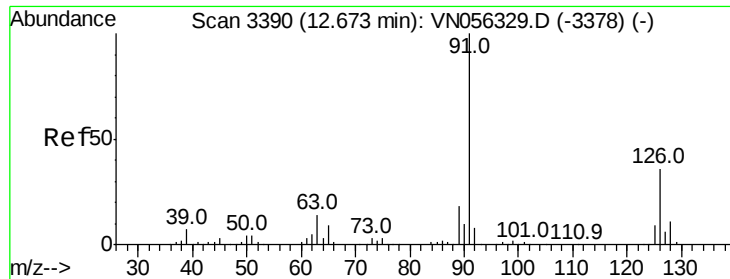
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

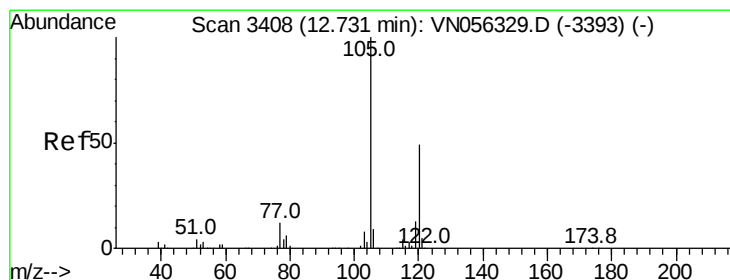
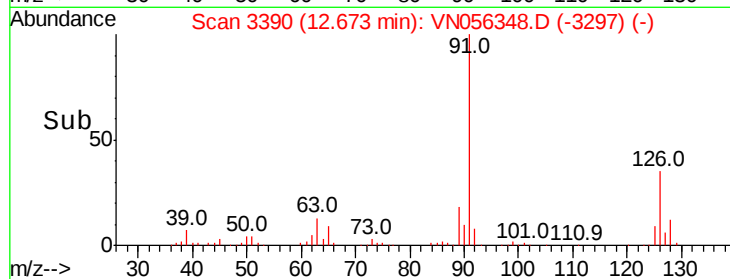
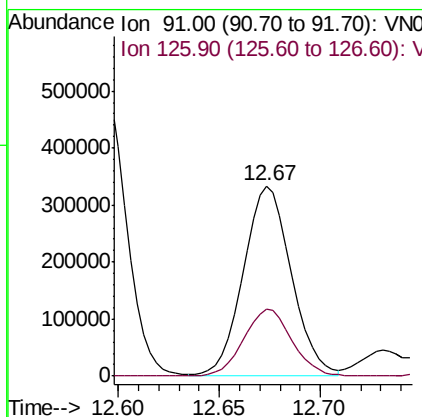
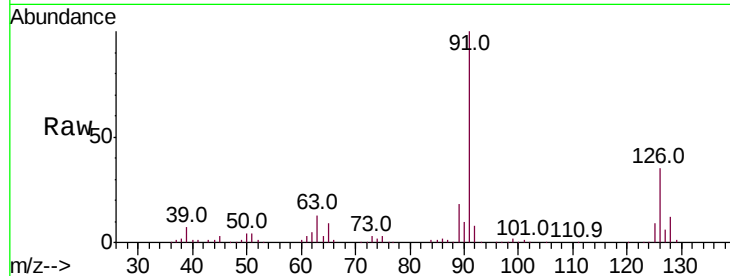




#79
 2-Chlorotoluene
 Concen: 52.167 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

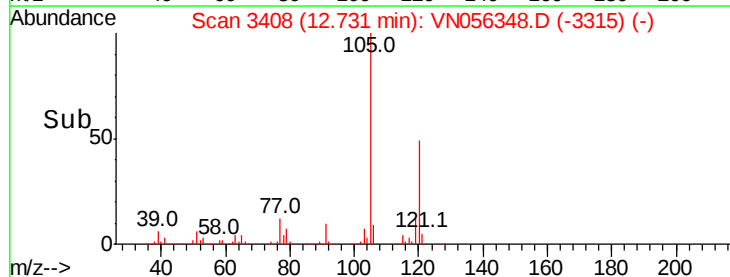
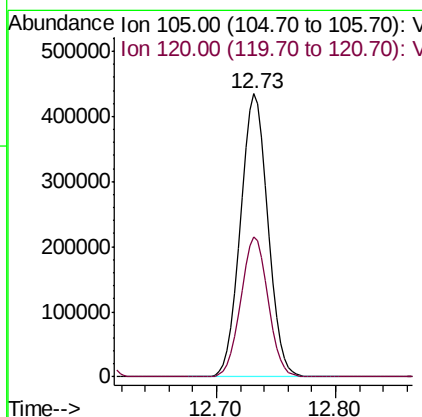
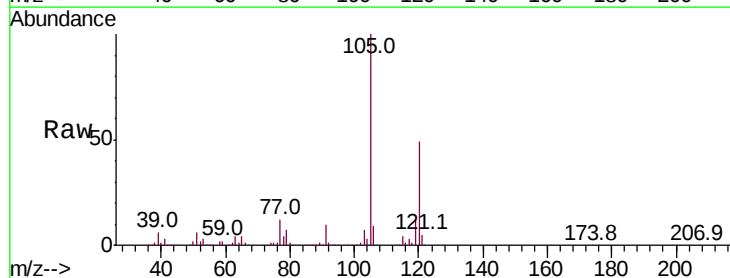
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

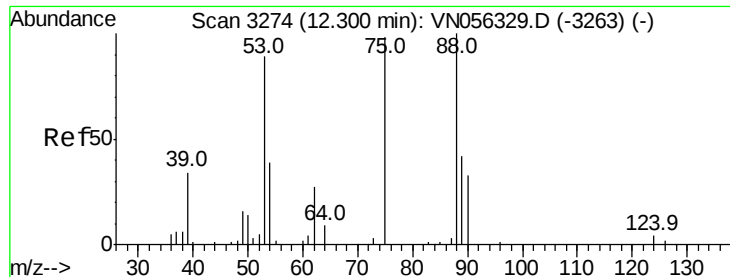
Tot Ion: 91 Resp: 551463
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 46.274 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 105 Resp: 691938
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.4

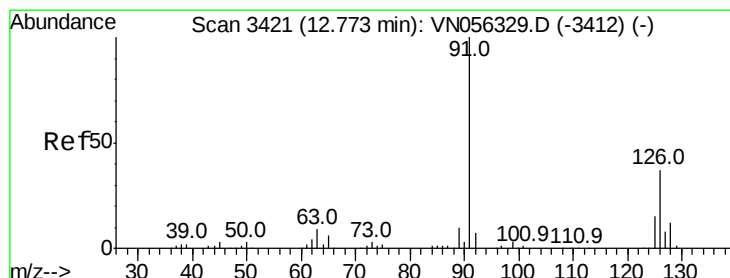
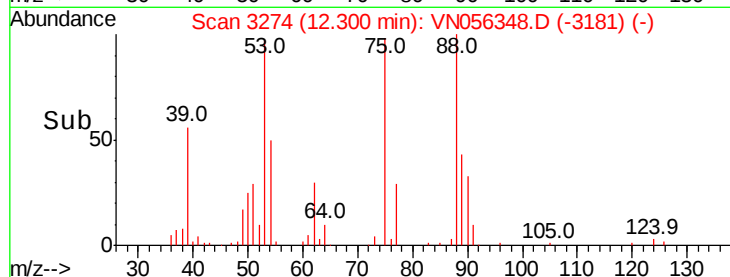
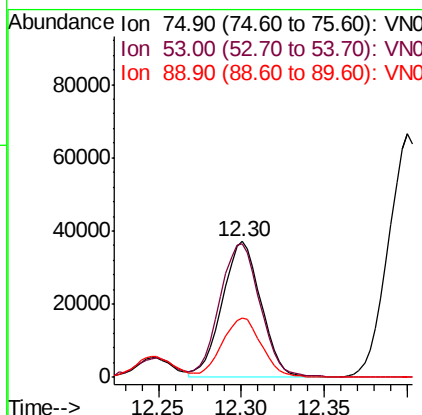
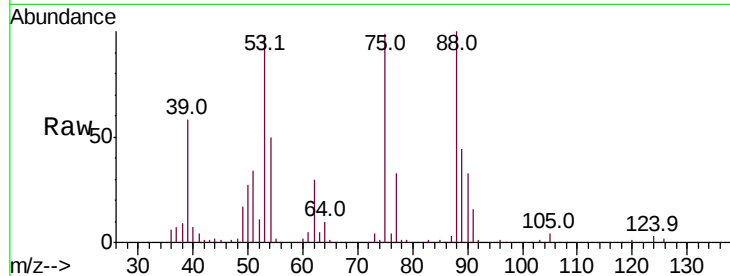




#81
trans-1,4-Dichloro-2-butene
Concen: 41.327 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

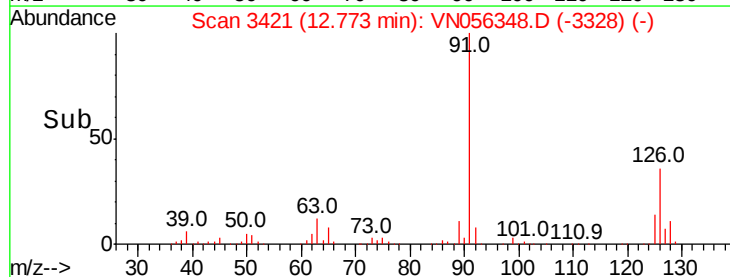
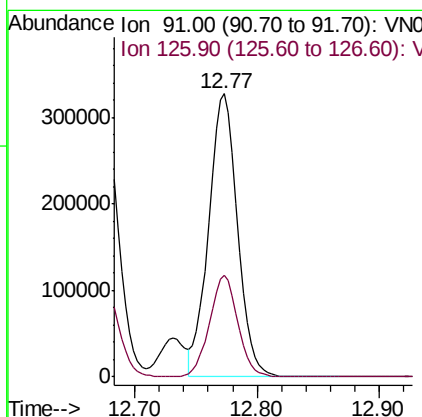
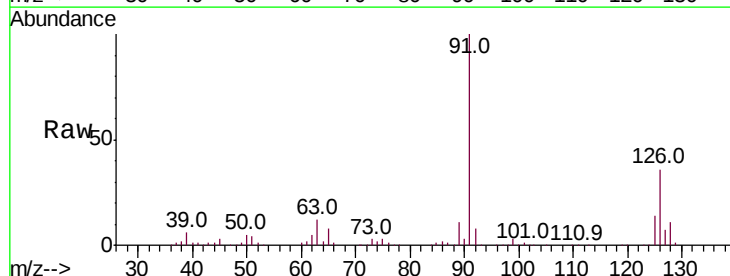
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

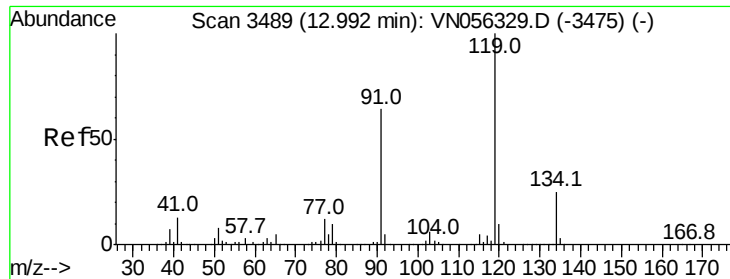
Tot Ion: 75 Resp: 60912
Ion Ratio Lower Upper
75 100
53 102.7 73.5 110.3
89 44.4 35.4 53.2



#82
4-Chlorotoluene
Concen: 47.935 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 91 Resp: 541338
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.8

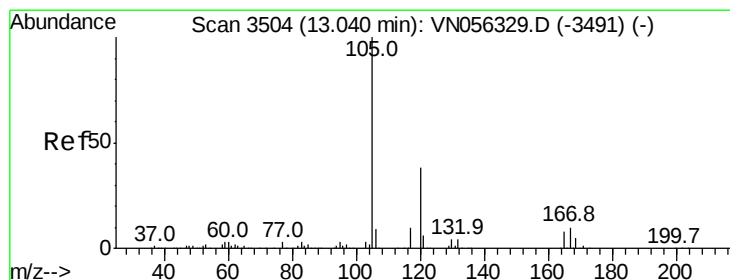
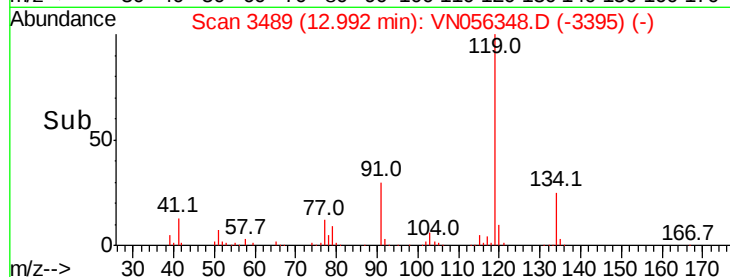
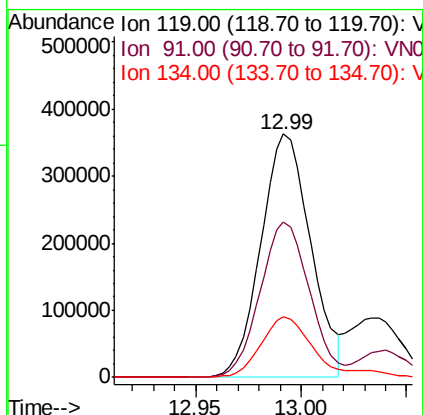
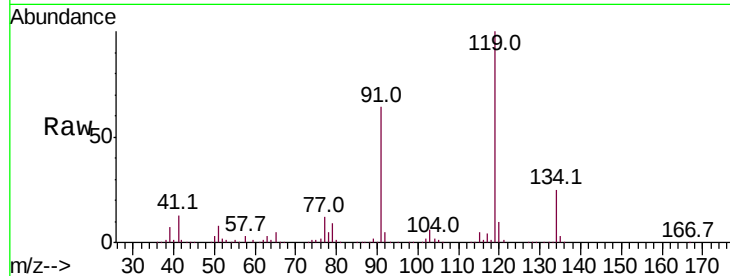




#83
tert-Butylbenzene
Concen: 52.092 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

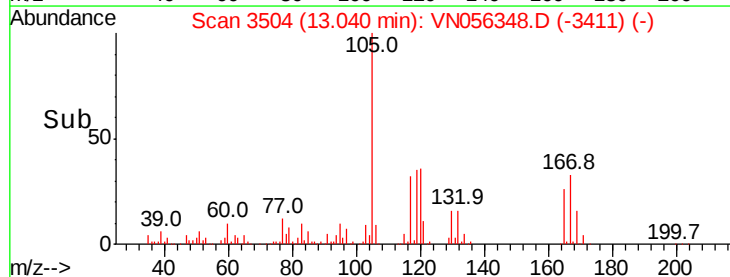
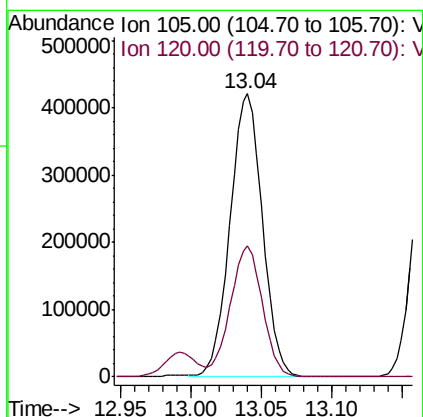
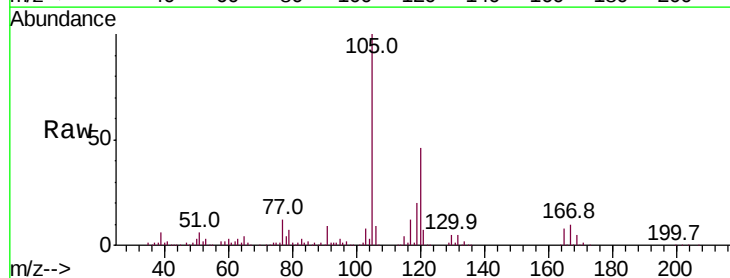
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

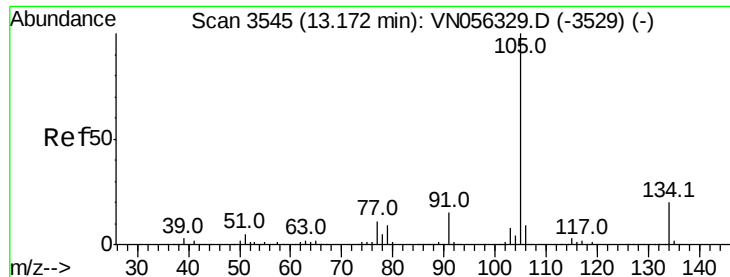
Tot Ion:119 Resp: 598221
Ion Ratio Lower Upper
119 100
91 63.4 31.5 94.5
134 26.9 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 48.523 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion:105 Resp: 675640
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 46.569 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

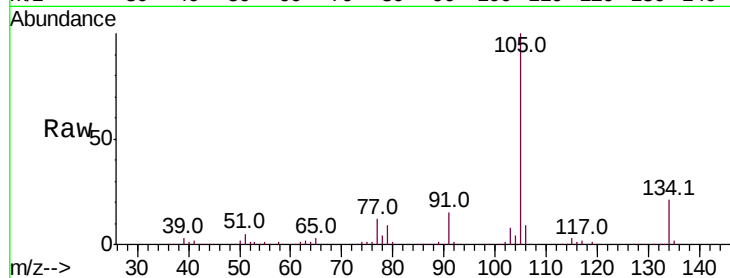
VSTDCCC050EC

Tot Ion:105 Resp: 785788

Ion Ratio Lower Upper

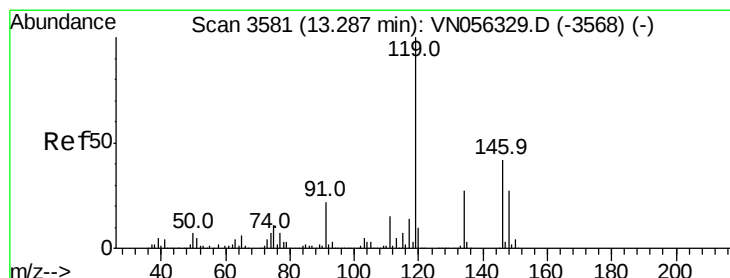
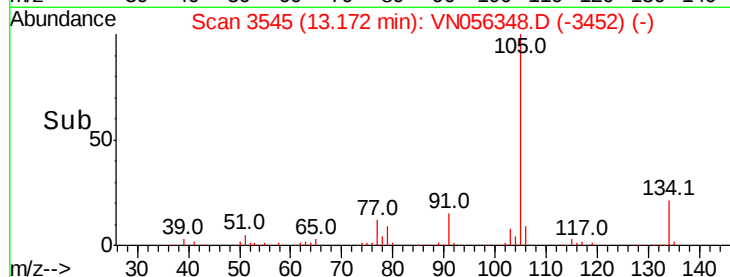
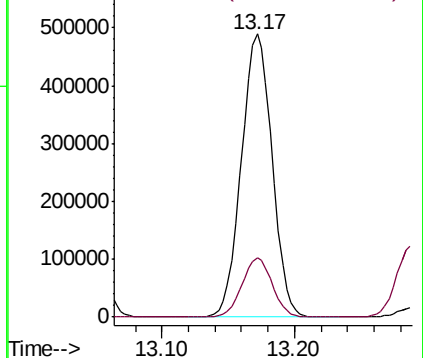
105 100

134 20.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.027 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

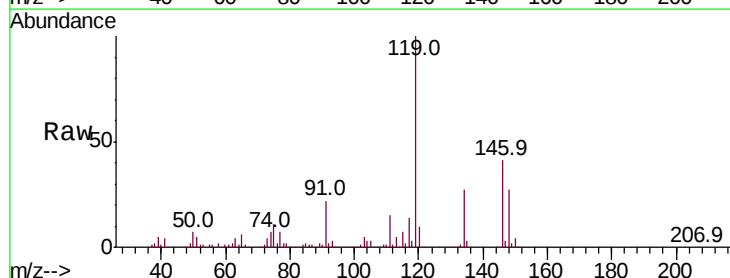
Tgt Ion:119 Resp: 708140

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

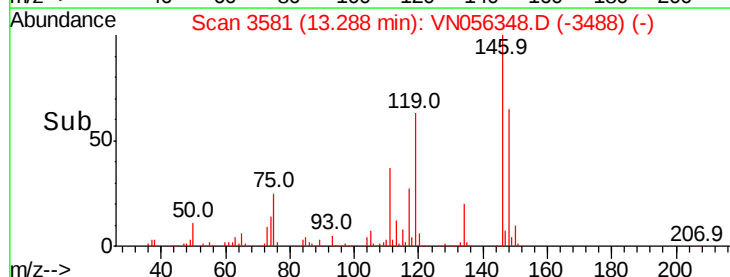
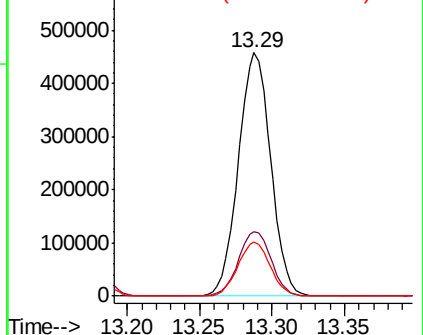
91 22.1 11.0 33.0

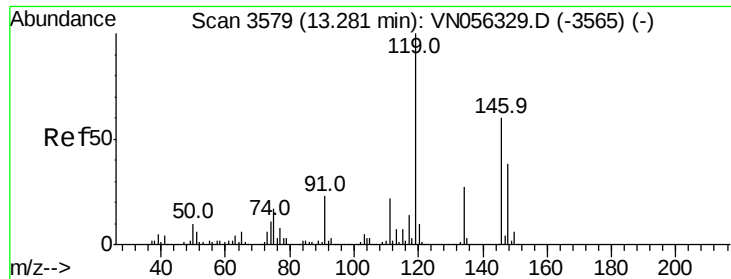


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.756 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

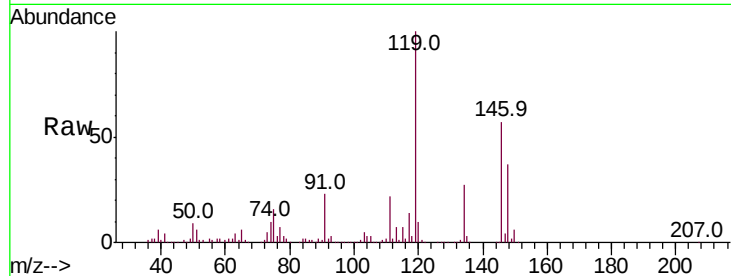
Tot Ion:146 Resp: 355676

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.7

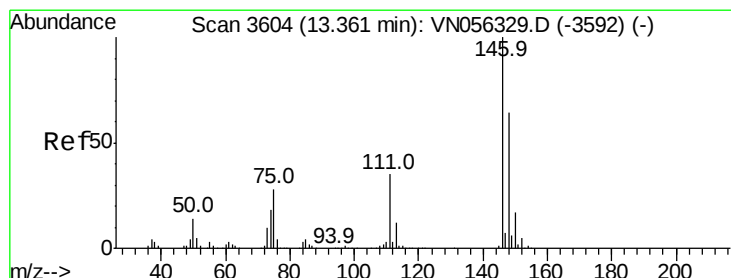
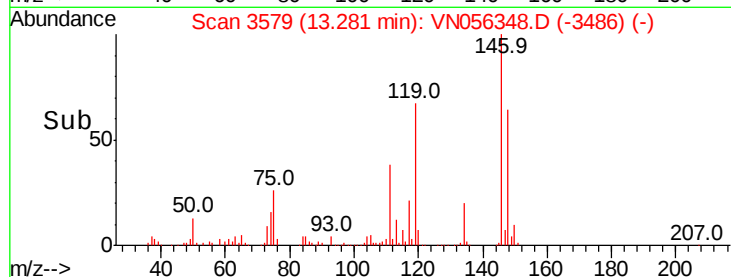
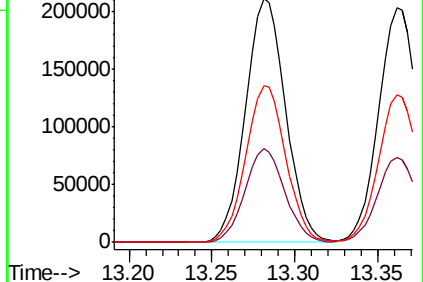
148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.616 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

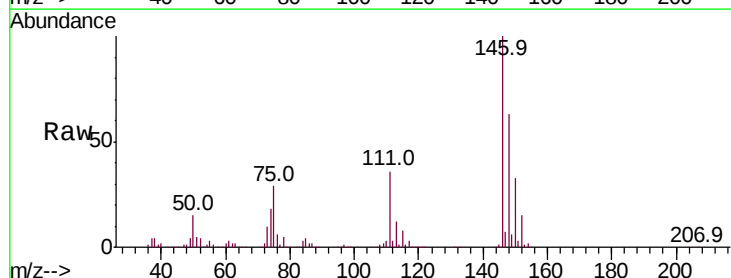
Tgt Ion:146 Resp: 340794

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.1

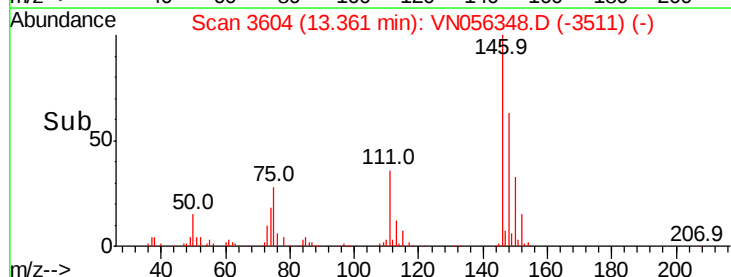
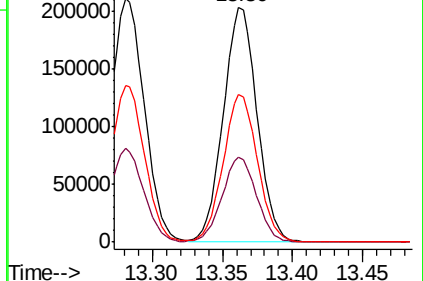
148 64.0 32.1 96.5

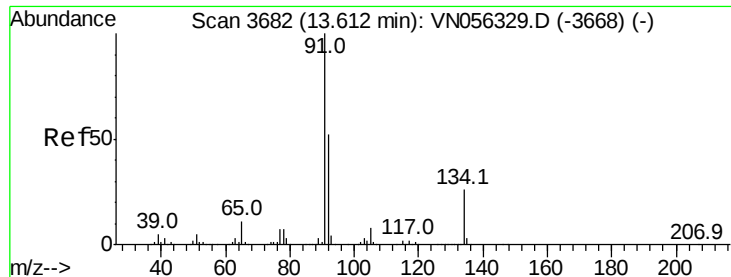


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

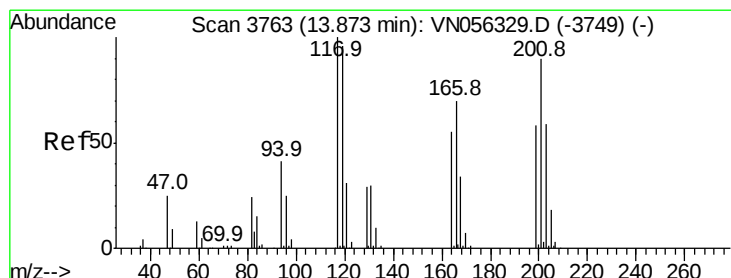
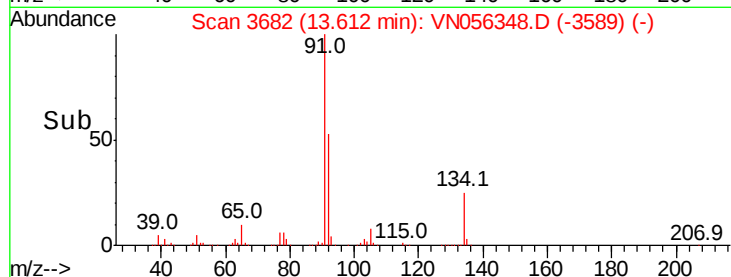
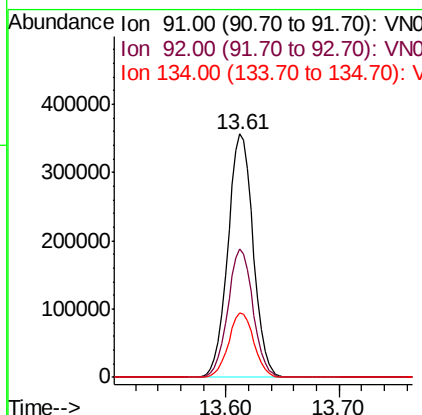
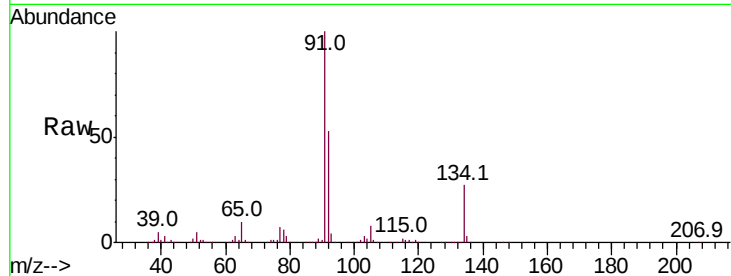




#89
n-Butylbenzene
Concen: 51.190 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

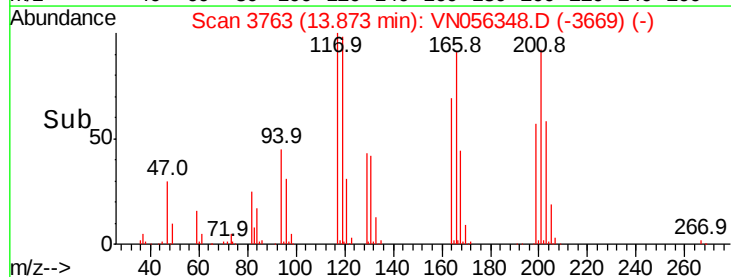
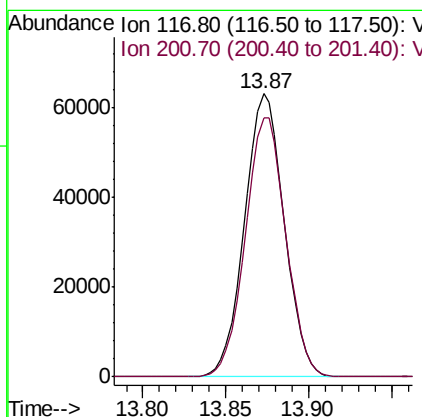
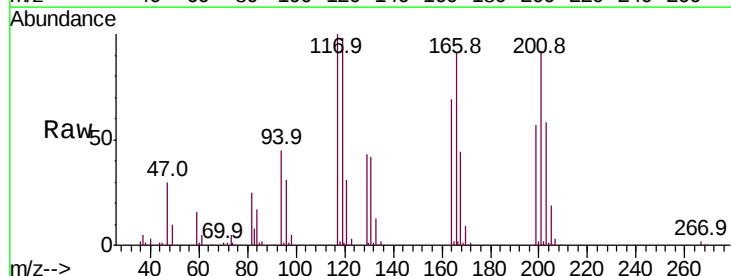
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

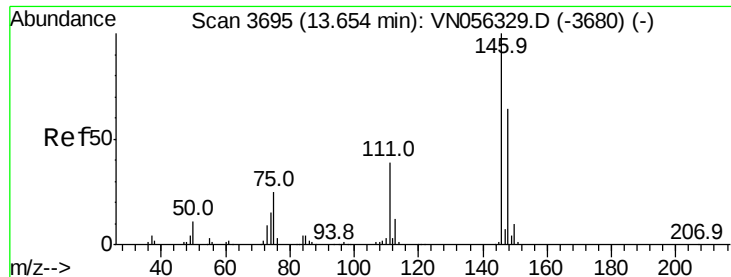
Tot Ion: 91 Resp: 552790
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 26.7 13.2 39.5



#90
Hexachloroethane
Concen: 42.644 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056348.D
Acq: 17 Jun 2019 18:44

Tgt Ion: 117 Resp: 104984
Ion Ratio Lower Upper
117 100
201 93.3 45.8 137.3

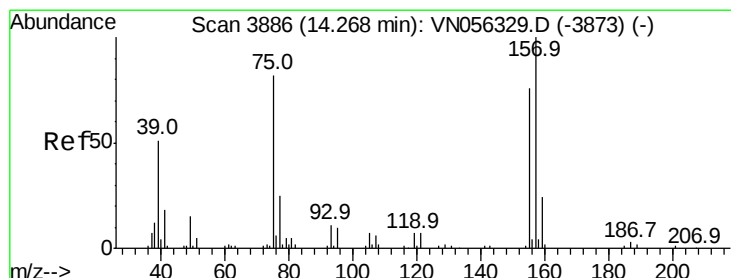
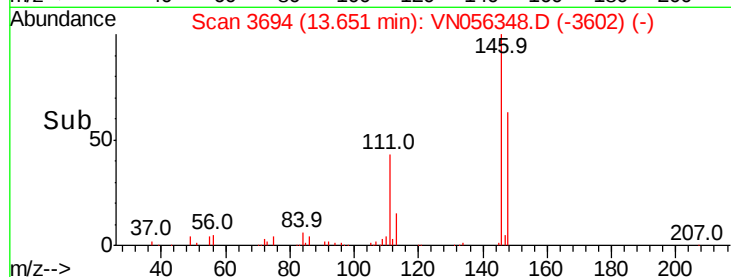
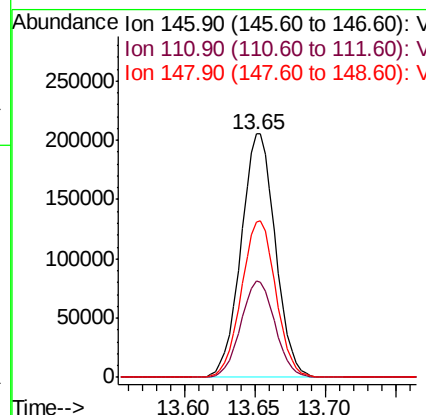
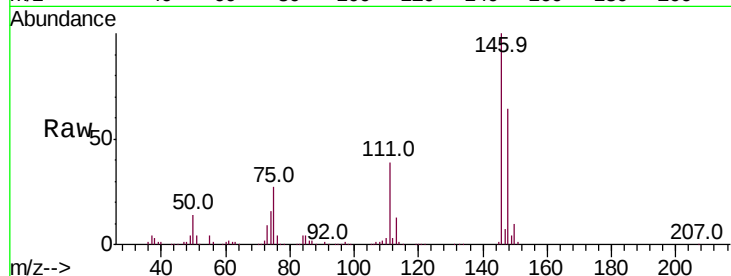




#91
 1,2-Dichlorobenzene
 Concen: 48.869 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

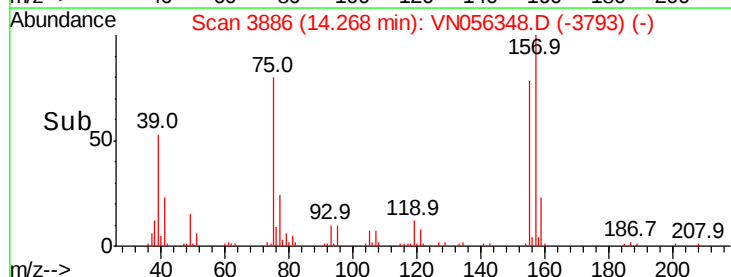
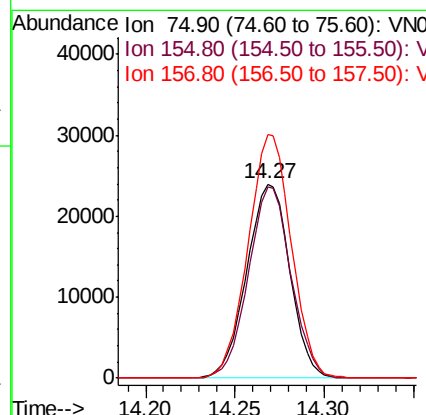
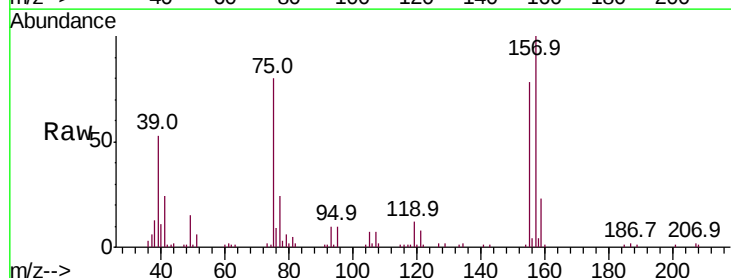
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

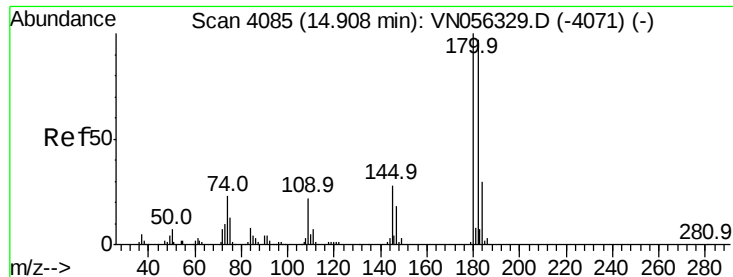
Tot Ion:146 Resp: 349099
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.2
 148 64.5 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.588 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion: 75 Resp: 40367
 Ion Ratio Lower Upper
 75 100
 155 97.3 47.8 143.4
 157 125.8 62.8 188.5

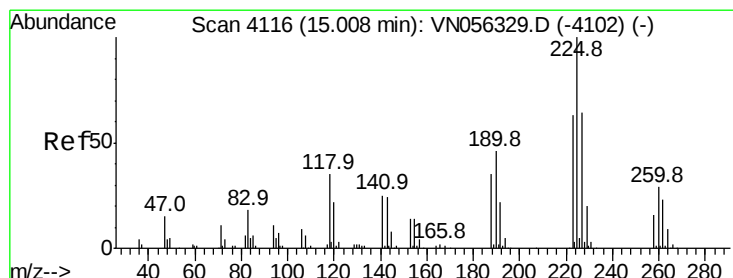
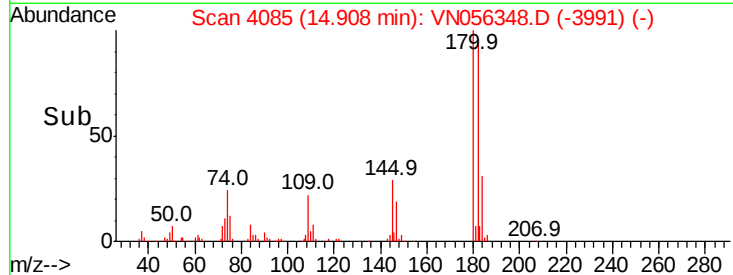
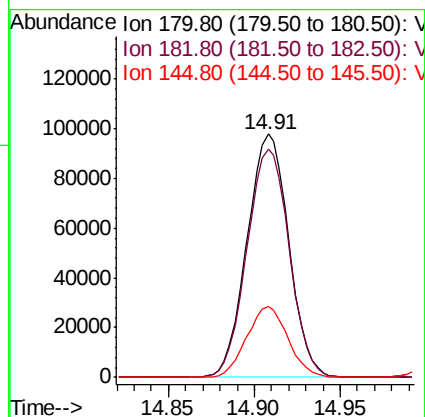
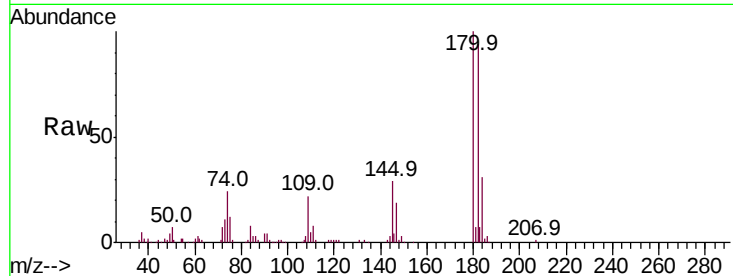




#93
 1,2,4-Trichlorobenzene
 Concen: 44.832 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

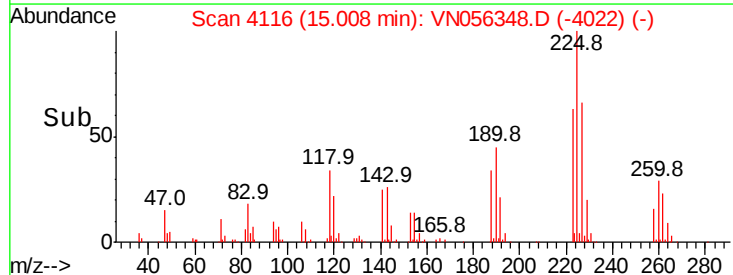
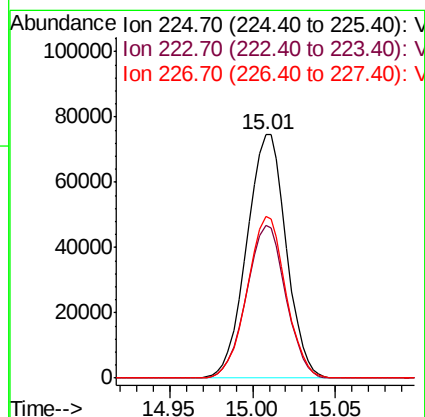
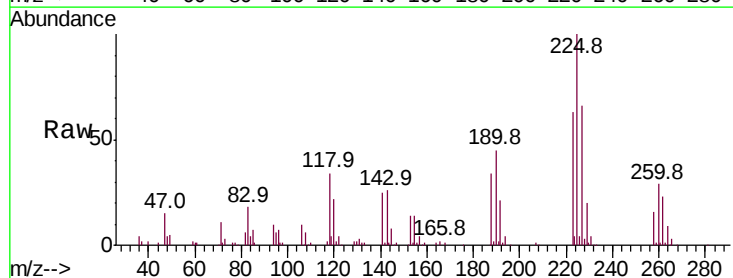
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

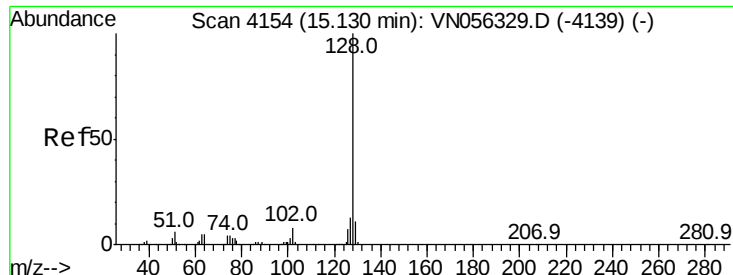
Tot Ion:180 Resp: 164281
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.4 142.3
 145 28.8 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 50.329 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056348.D
 Acq: 17 Jun 2019 18:44

Tgt Ion:225 Resp: 123239
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.2 93.6
 227 65.1 31.7 95.1





#95

Naphthalene

Concen: 46.148 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

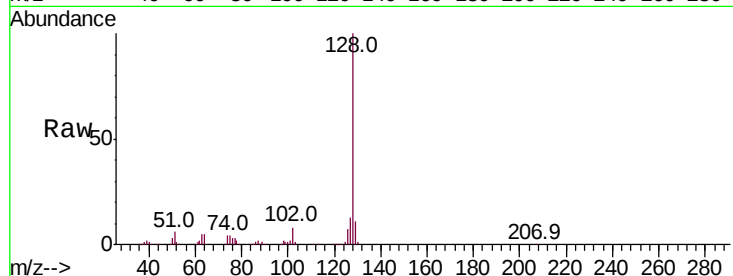
Tot Ion:128 Resp: 448608

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

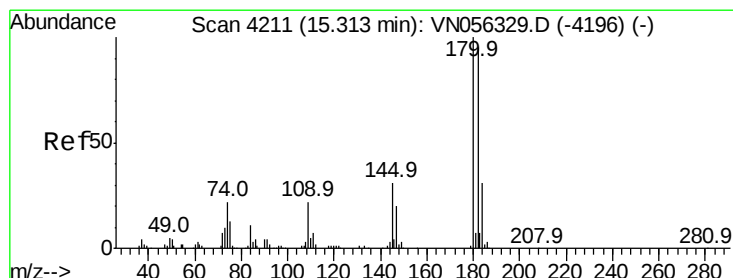
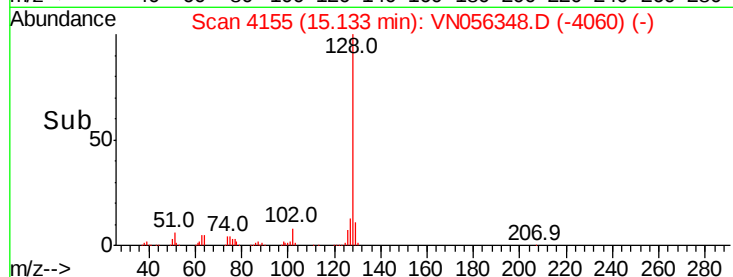
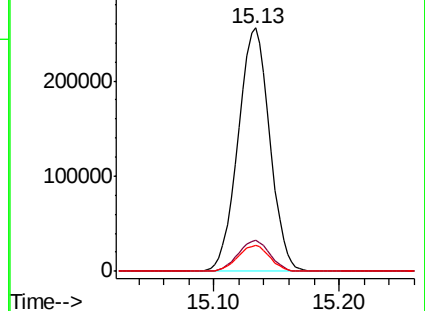
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.762 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056348.D

Acq: 17 Jun 2019 18:44

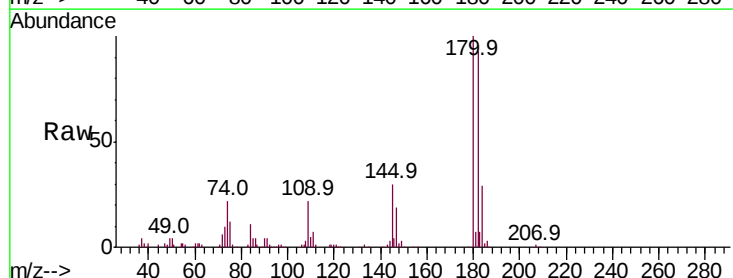
Tgt Ion:180 Resp: 185018

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.4

145 30.1 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

