

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055564.D
 Acq On : 10 May 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 11 01:01:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1182890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	443932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	509303	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	399601	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.09	98	1554396	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	533365	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	299900	43.922	ug/l	99
3) Chloromethane	2.06	50	484496	43.676	ug/l	100
4) Vinyl Chloride	2.19	62	475666	45.426	ug/l	99
5) Bromomethane	2.53	94	211513	36.866	ug/l	98
6) Chloroethane	2.69	64	286061	46.900	ug/l	100
7) Trichlorofluoromethane	3.01	101	560192	48.765	ug/l	100
8) Diethyl Ether	3.41	74	251889	48.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	339890	46.505	ug/l	98
10) Methyl Iodide	3.95	142	341240	34.544	ug/l	100
11) Tert butyl alcohol	4.82	59	354490	237.760	ug/l	100
12) 1,1-Dichloroethene	3.73	96	351207	47.914	ug/l	99
13) Acrolein	3.61	56	207923	209.247	ug/l	99
14) Allyl chloride	4.32	41	692765	46.138	ug/l	98
15) Acrylonitrile	5.00	53	1111607	240.779	ug/l	99
16) Acetone	3.82	43	938965	200.822	ug/l	96
17) Carbon Disulfide	4.04	76	916577	45.816	ug/l	100
18) Methyl Acetate	4.33	43	469636	47.816	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1207563	49.580	ug/l	98
20) Methylene Chloride	4.55	84	439178	45.935	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	386265	48.604	ug/l	95
22) Diisopropyl ether	5.96	45	1480817	48.532	ug/l	97
23) Vinyl Acetate	5.90	43	5905259	250.256	ug/l	100
24) 1,1-Dichloroethane	5.85	63	793487	48.175	ug/l	100
25) 2-Butanone	6.84	43	1507553	233.411	ug/l	98
26) 2,2-Dichloropropane	6.82	77	480585	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	455146	49.556	ug/l	98
28) Bromochloromethane	7.20	49	425941	49.796	ug/l	95
29) Tetrahydrofuran	7.22	42	1013672	237.405	ug/l	99
30) Chloroform	7.37	83	742133	48.739	ug/l	98
31) Cyclohexane	7.65	56	720505	44.212	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	577940	49.842	ug/l	100
36) 1,1-Dichloropropene	7.79	75	556639	47.766	ug/l	98
37) Ethyl Acetate	6.94	43	604088	47.521	ug/l	100
38) Carbon Tetrachloride	7.77	117	470882	47.987	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640791	45.099	ug/l	98
40) Benzene	8.04	78	1751337	48.423	ug/l	100
41) Methacrylonitrile	7.17	41	295313	50.052	ug/l	97
42) 1,2-Dichloroethane	8.13	62	594963	46.823	ug/l	100
43) Isopropyl Acetate	8.17	43	936931	48.514	ug/l	98
44) Trichloroethene	8.84	130	419420	48.737	ug/l	96
45) 1,2-Dichloropropane	9.12	63	498030	48.126	ug/l	98
46) Dibromomethane	9.21	93	291814	48.649	ug/l	98
47) Bromodichloromethane	9.40	83	566331	49.352	ug/l	99
48) Methyl methacrylate	9.20	41	451435	48.515	ug/l	97
49) 1,4-Dioxane	9.20	88	181849	1002.712	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3037200	239.119	ug/l	99
52) Toluene	10.16	92	1024638	49.555	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	570433	51.758	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	679886	51.625	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	418623	49.969	ug/l	98
56) Ethyl methacrylate	10.43	69	613775	49.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735314	49.439	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	888030	213.614	ug/l	99
59) 2-Hexanone	10.75	43	2080074	233.515	ug/l	99
60) Dibromochloromethane	10.90	129	400488	52.579	ug/l	100
61) 1,2-Dibromoethane	11.01	107	409072	50.821	ug/l	98
64) Tetrachloroethene	10.63	164	393283	46.521	ug/l	99
65) Chlorobenzene	11.43	112	1059958	49.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	373989	51.180	ug/l	99
67) Ethyl Benzene	11.51	91	1938246	48.620	ug/l	99
68) m/p-Xylenes	11.62	106	1429296	99.905	ug/l	98
69) o-Xylene	11.95	106	705783	50.192	ug/l	99
70) Styrene	11.96	104	1187132	52.695	ug/l	99
71) Bromoform	12.13	173	267532	54.255	ug/l	100
73) Isopropylbenzene	12.25	105	1862017	50.913	ug/l	100
74) N-amyl acetate	12.07	43	762907	45.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	603622	50.754	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	714194	59.096	ug/l #	100
77) Bromobenzene	12.53	156	439275	44.900	ug/l	95
78) n-propylbenzene	12.59	91	2112391	44.365	ug/l	99
79) 2-Chlorotoluene	12.67	91	1297559	43.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1588071	44.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145788	44.512	ug/l	99
82) 4-Chlorotoluene	12.77	91	1268648	45.246	ug/l	99
83) tert-Butylbenzene	12.99	119	1334770	43.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1536472	47.187	ug/l	100
85) sec-Butylbenzene	13.17	105	1758195	43.472	ug/l	99
86) p-Isopropyltoluene	13.29	119	1494890	45.416	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	725860	48.015	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	697852	46.775	ug/l	99
89) n-Butylbenzene	13.61	91	1156463	45.328	ug/l	99
90) Hexachloroethane	13.87	117	239680	44.639	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	734507	48.614	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95284	46.676	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

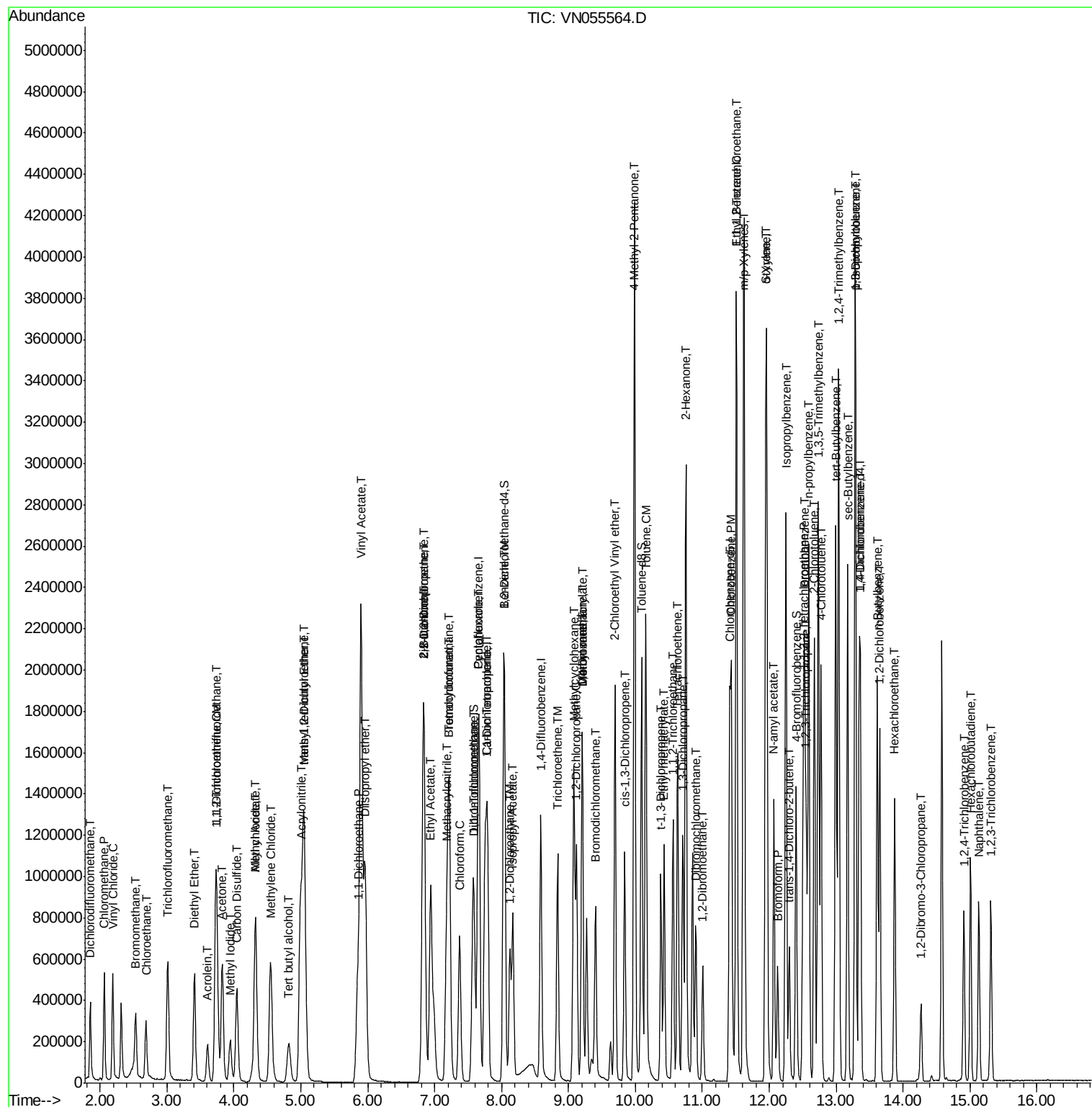
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270715	41.718	ug/l	98
94) Hexachlorobutadiene	15.01	225	213763	47.702	ug/l	100
95) Naphthalene	15.13	128	750757	41.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	304708	43.123	ug/l	100

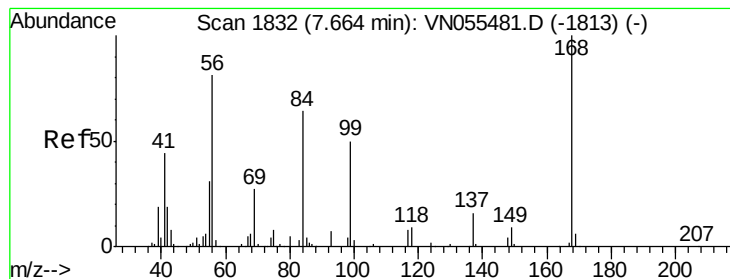
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

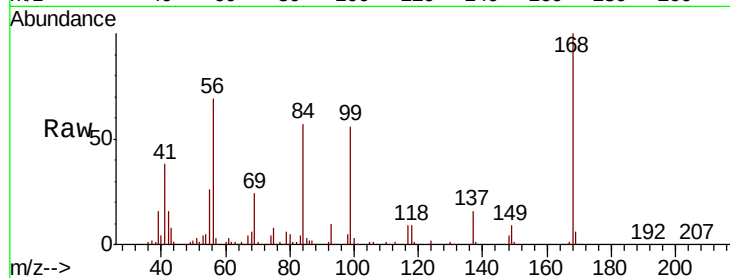
VSTDCCC050EC

Tot Ion:168 Resp: 670657

Ion Ratio Lower Upper

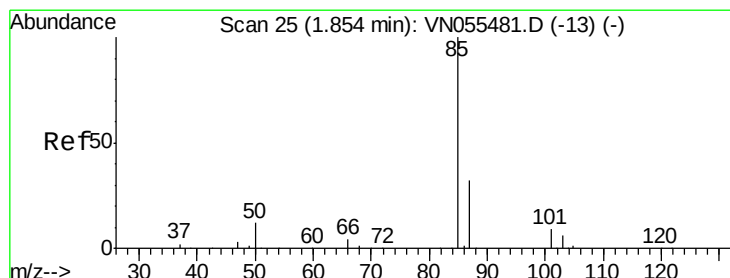
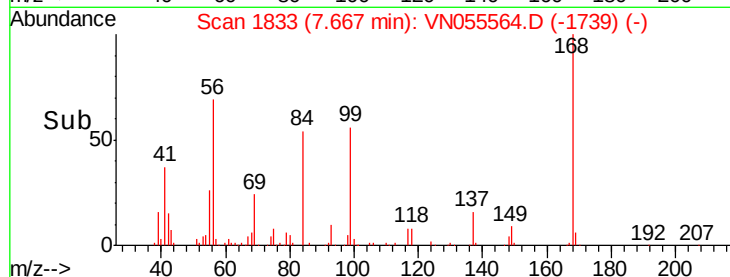
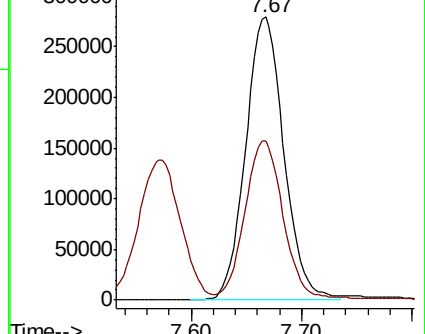
168 100

99 55.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 43.922 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055564.D

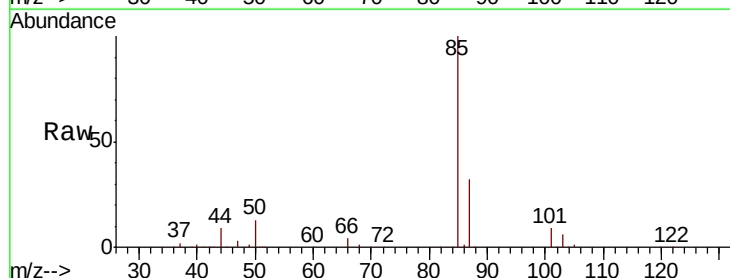
Acq: 10 May 2019 20:19

Tgt Ion: 85 Resp: 299900

Ion Ratio Lower Upper

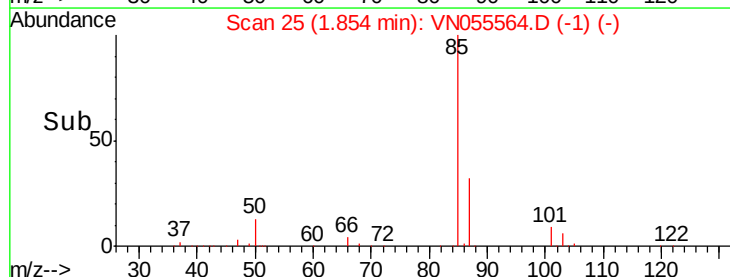
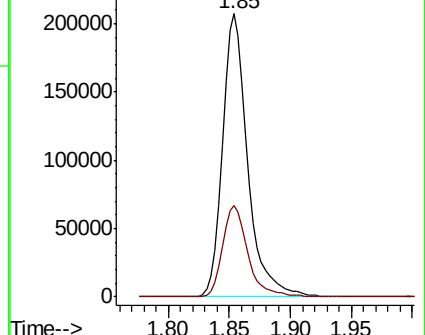
85 100

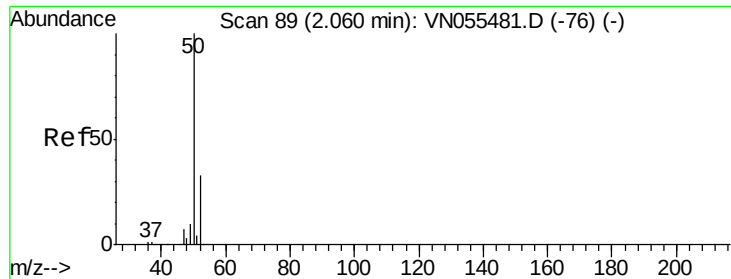
87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.676 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

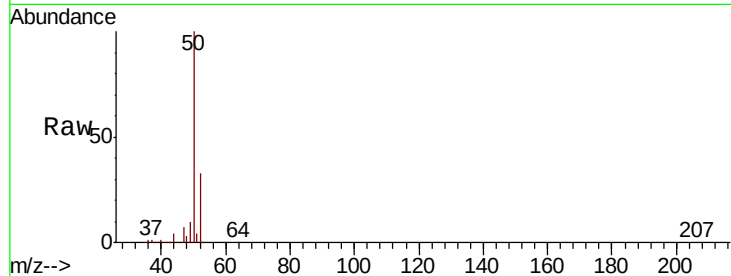
VSTDCCC050EC

Tot Ion: 50 Resp: 484496

Ion Ratio Lower Upper

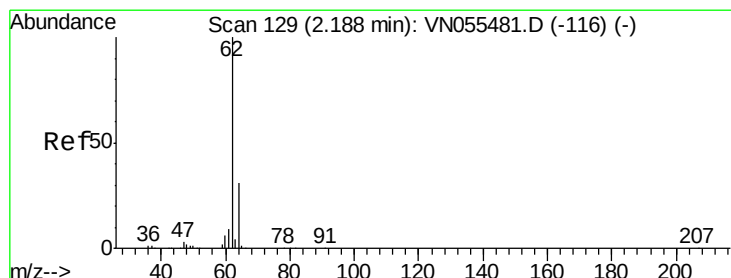
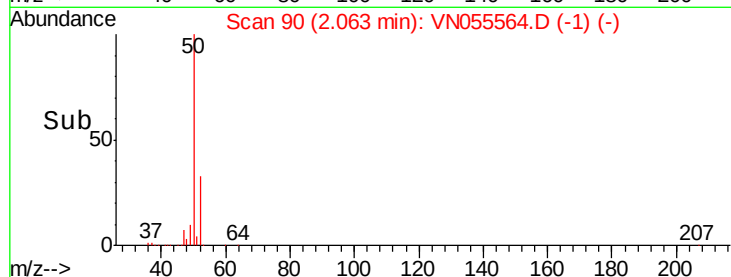
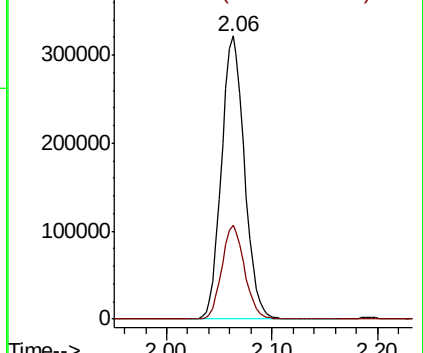
50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.426 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055564.D

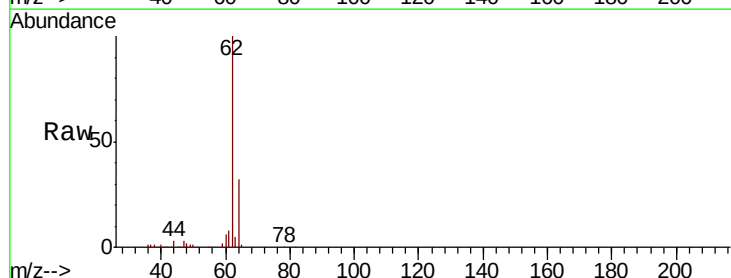
Acq: 10 May 2019 20:19

Tgt Ion: 62 Resp: 475666

Ion Ratio Lower Upper

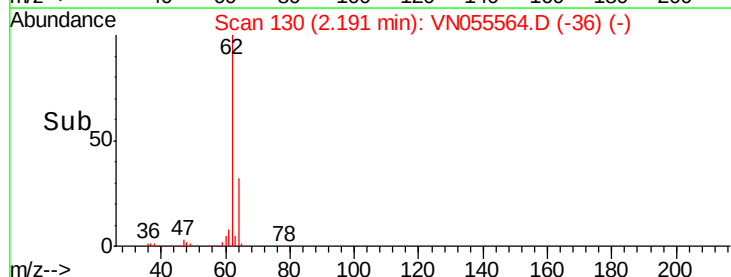
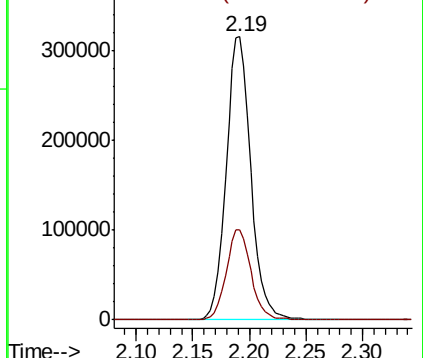
62 100

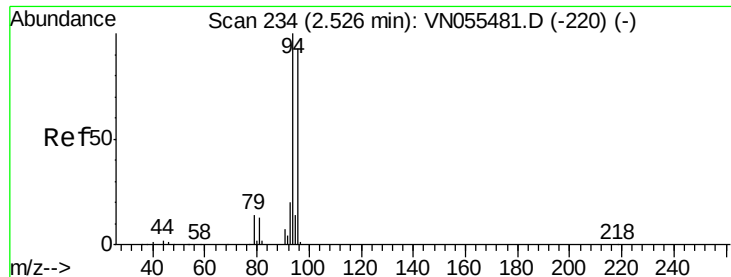
64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 36.866 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

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ClientSampleId :

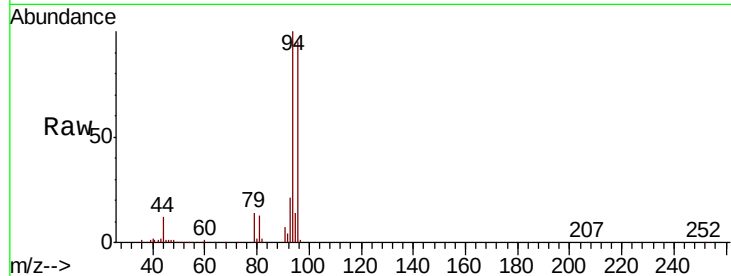
VSTDCCC050EC

Tot Ion: 94 Resp: 211513

Ion Ratio Lower Upper

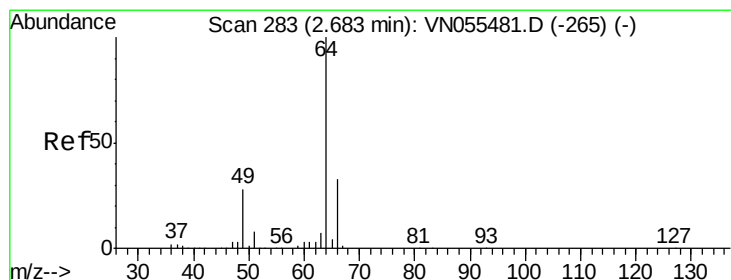
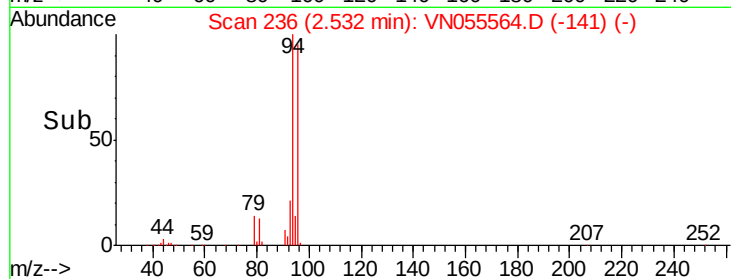
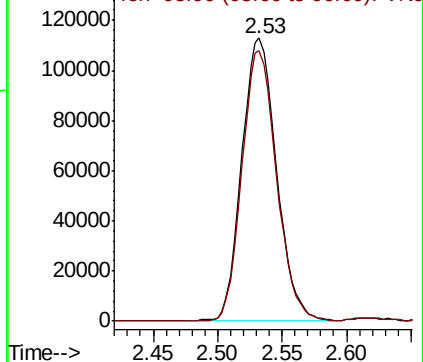
94 100

96 95.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.900 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055564.D

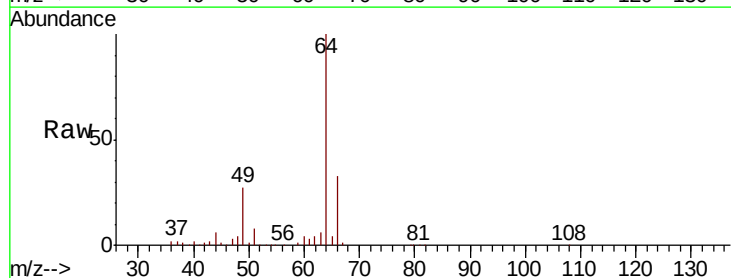
Acq: 10 May 2019 20:19

Tgt Ion: 64 Resp: 286061

Ion Ratio Lower Upper

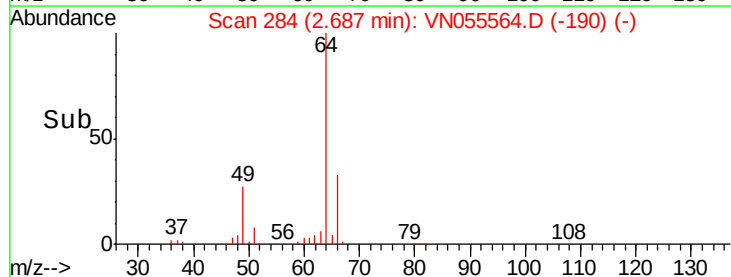
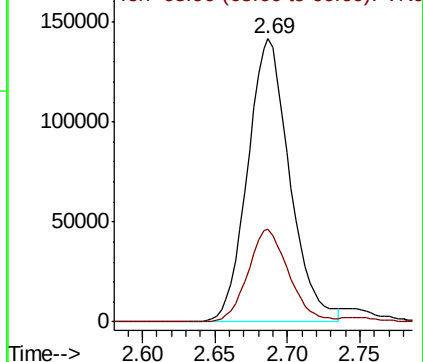
64 100

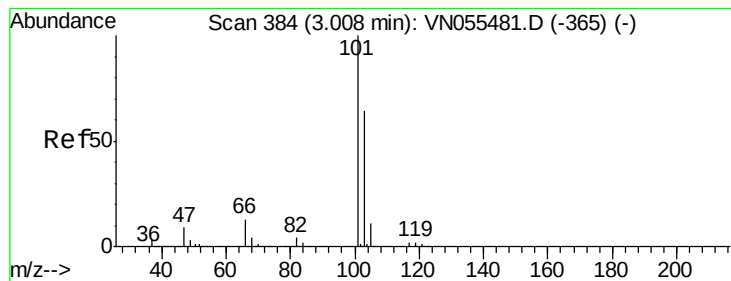
66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



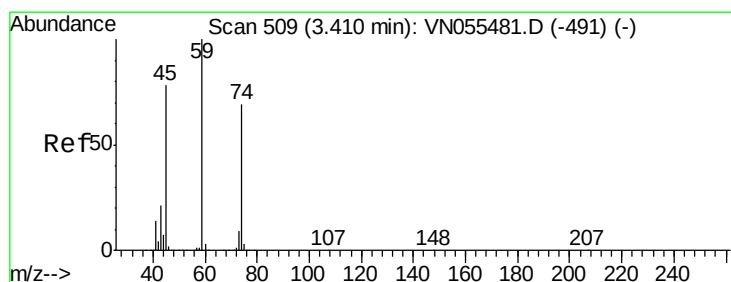
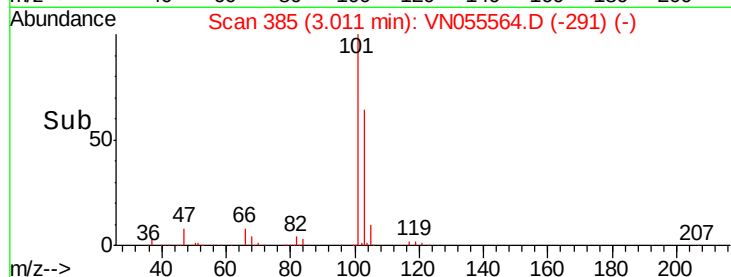
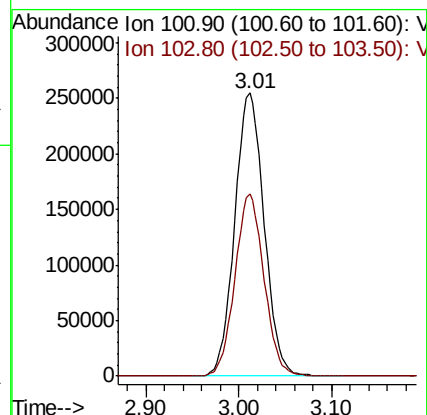
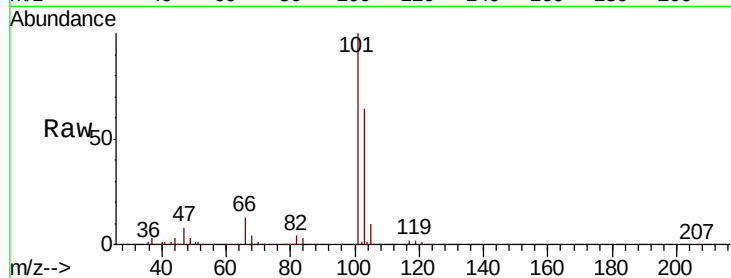


#7

Trichlorofluoromethane
 Concen: 48.765 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
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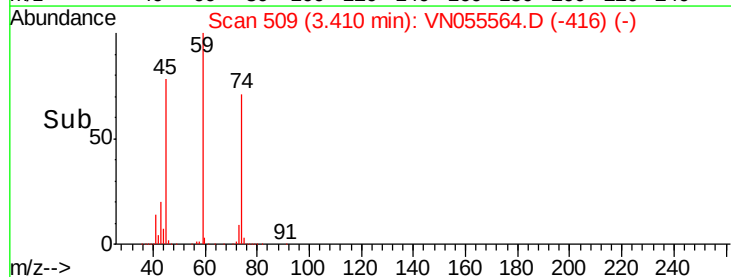
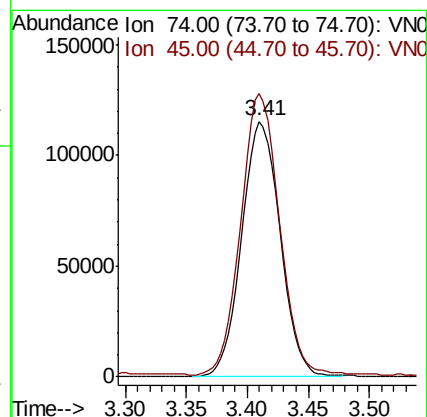
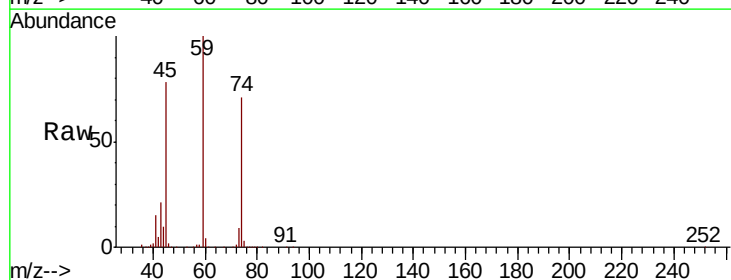
Tot Ion:101 Resp: 560192
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

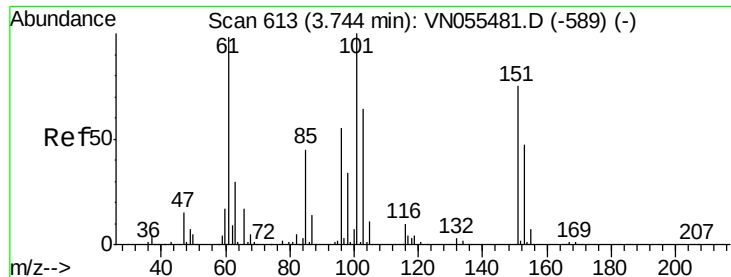


#8

Diethyl Ether
 Concen: 48.824 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 74 Resp: 251889
 Ion Ratio Lower Upper
 74 100
 45 111.2 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.505 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

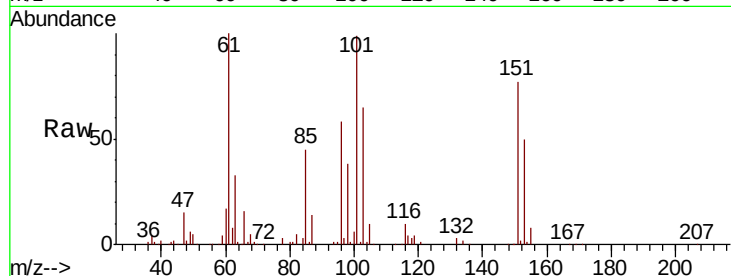
Tot Ion:101 Resp: 339890

Ion Ratio Lower Upper

101 100

85 44.9 35.5 53.3

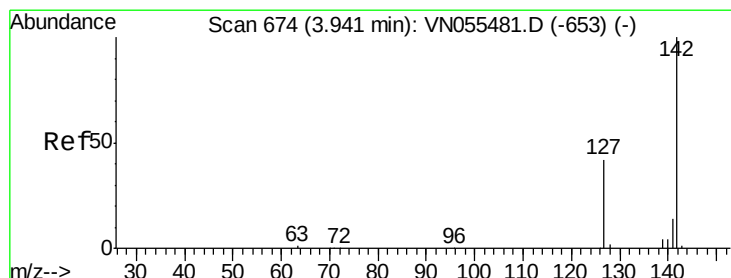
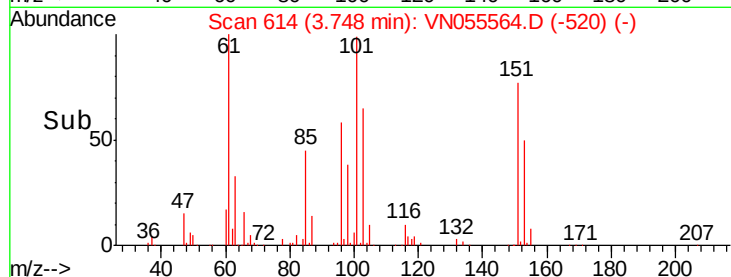
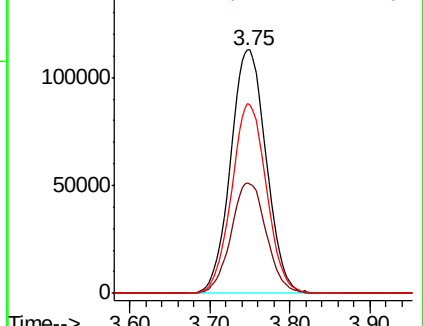
151 76.3 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.544 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

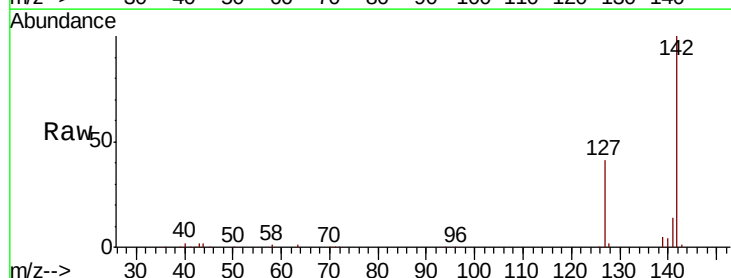
Tgt Ion:142 Resp: 341240

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

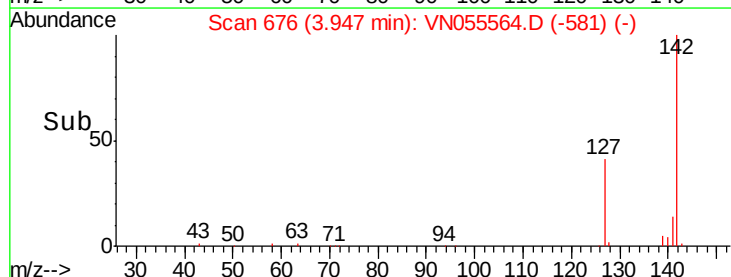
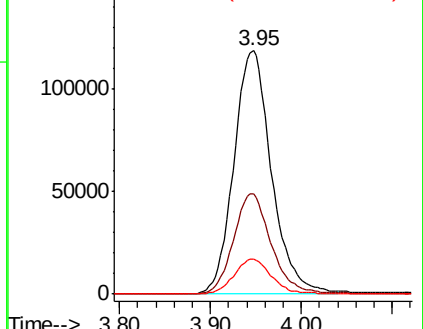
141 14.4 11.4 17.0

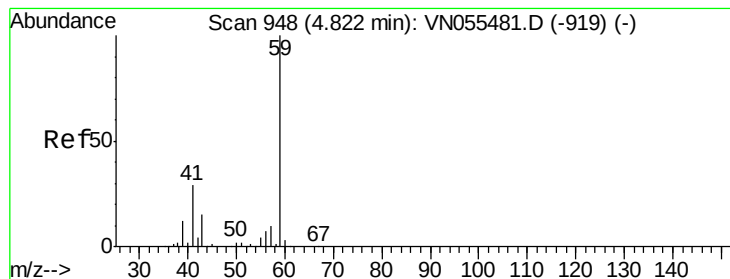


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



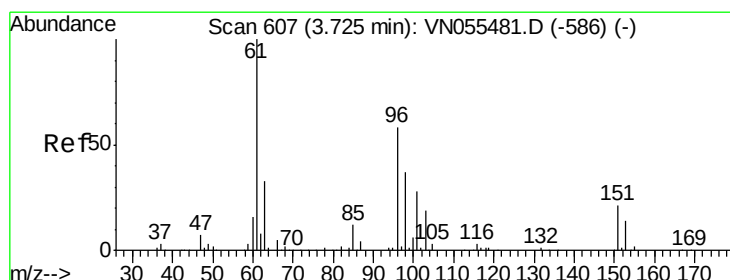
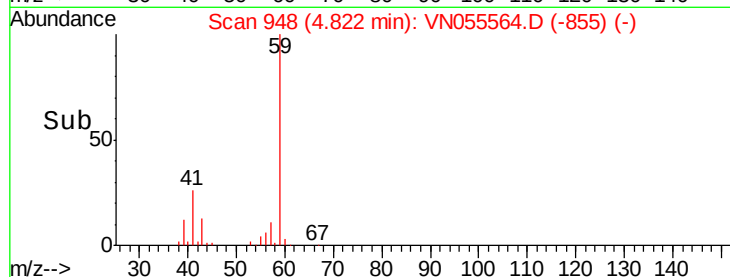
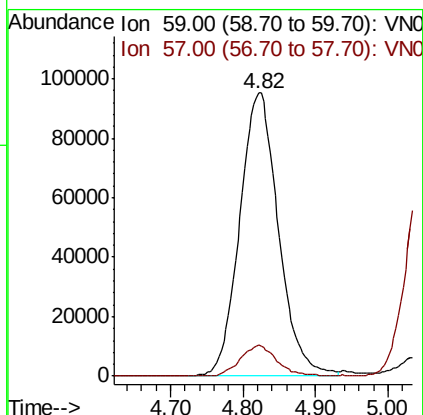
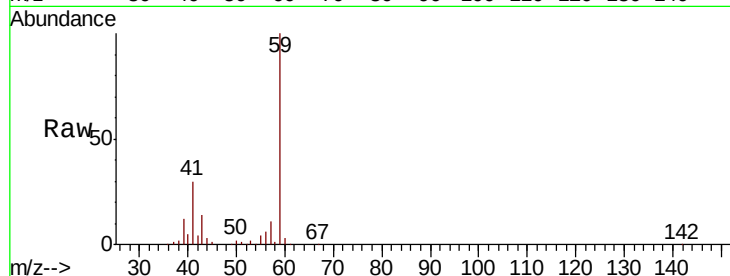


#11

Tert butyl alcohol
 Concen: 237.760 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

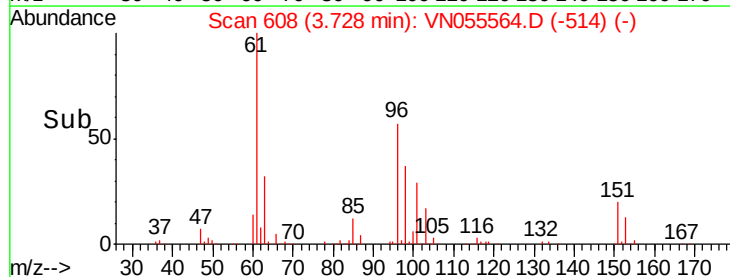
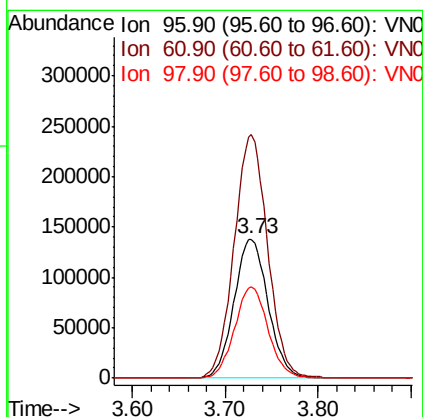
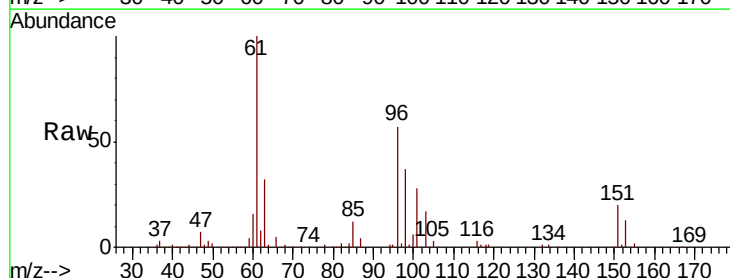
Tot Ion: 59 Resp: 354490
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.0 12.0

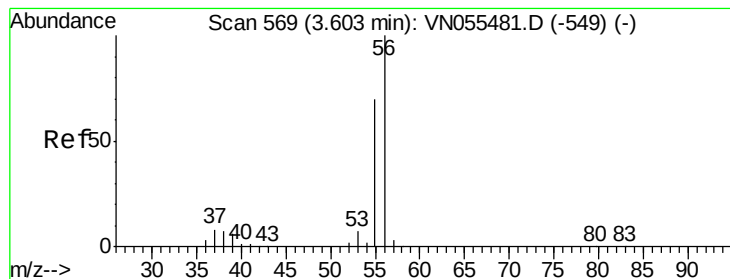


#12

1,1-Dichloroethene
 Concen: 47.914 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 96 Resp: 351207
 Ion Ratio Lower Upper
 96 100
 61 174.8 138.7 208.1
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 209.247 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

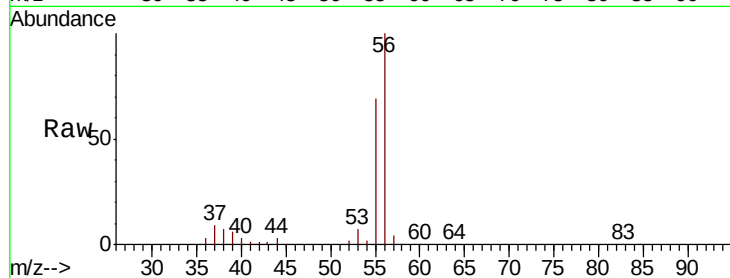
VSTDCCC050EC

Tot Ion: 56 Resp: 207923

Ion Ratio Lower Upper

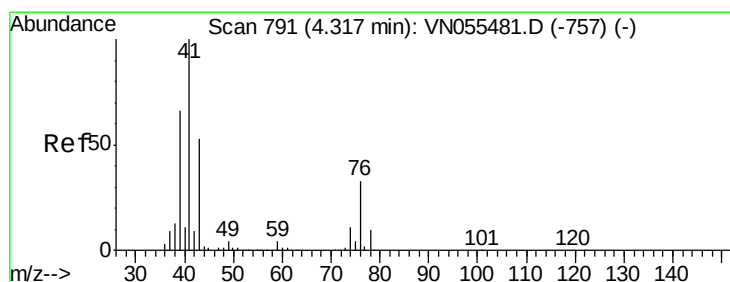
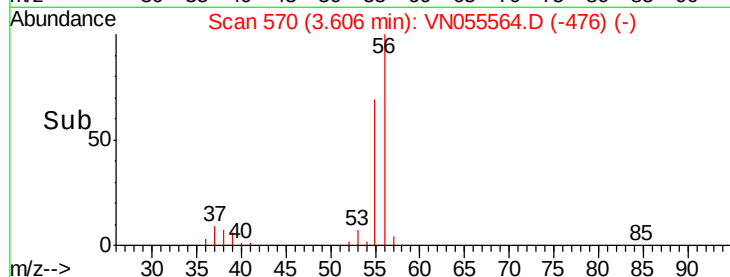
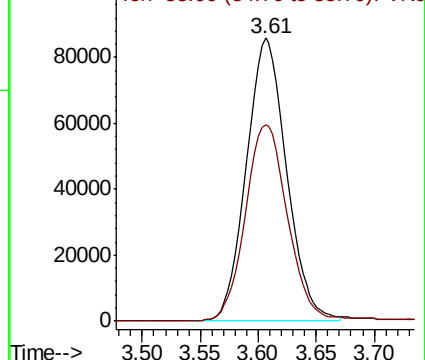
56 100

55 72.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.138 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

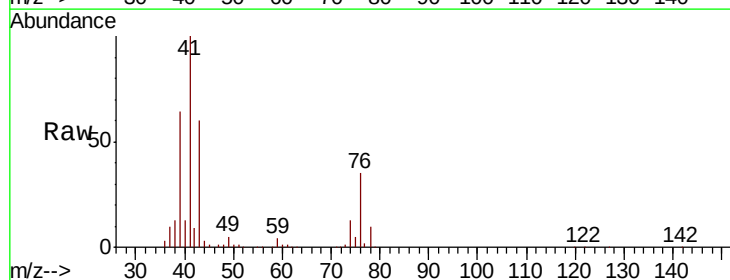
Tgt Ion: 41 Resp: 692765

Ion Ratio Lower Upper

41 100

39 61.4 49.8 74.8

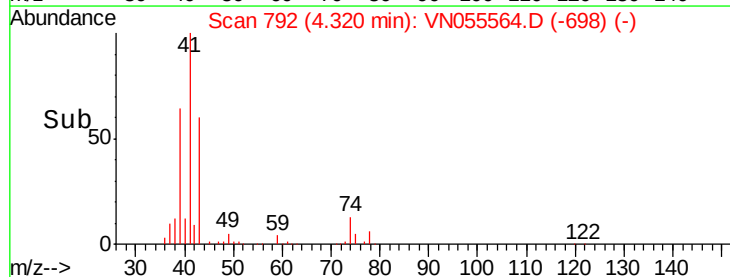
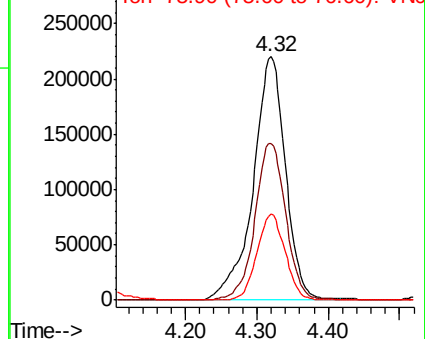
76 30.6 23.5 35.3

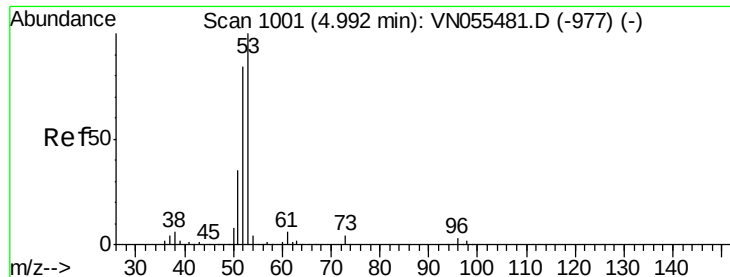


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 240.779 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

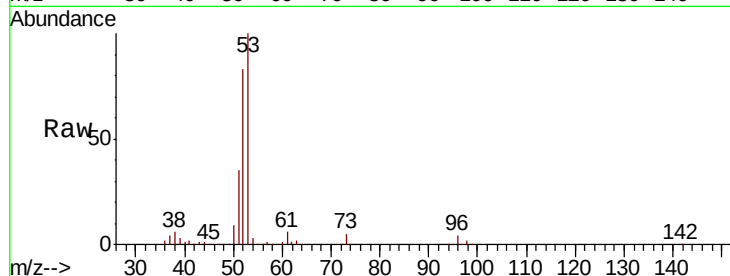
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1111607

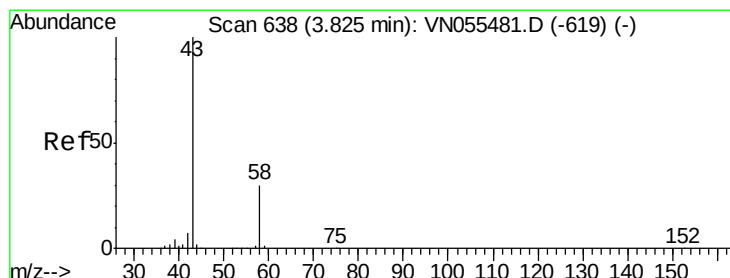
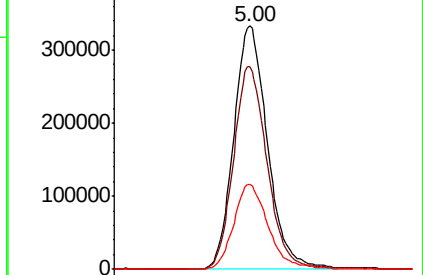
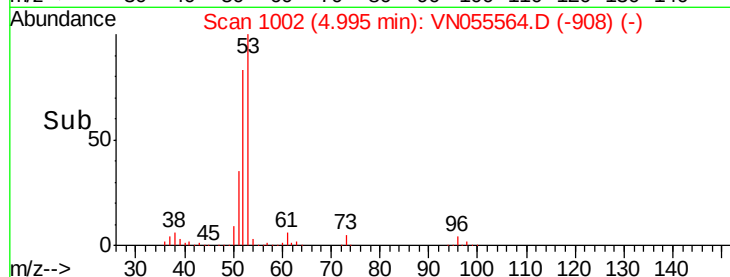
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	36.1	28.3	42.5



Abundance Ion 53.00 (52.70 to 53.70): VN055481.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN055481.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN055481.D (-977) (-)



#16

Acetone

Concen: 200.822 ug/l

RT: 3.82 min Scan# 638

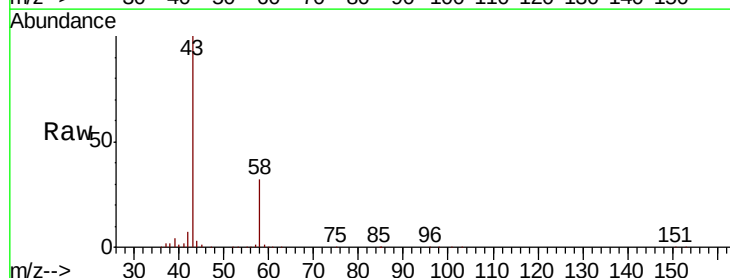
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

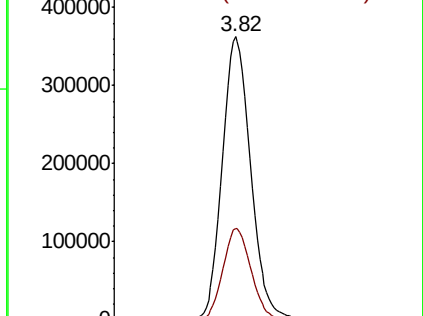
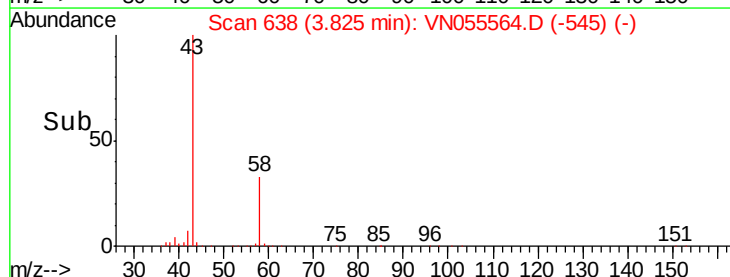
Tgt Ion: 43 Resp: 938965

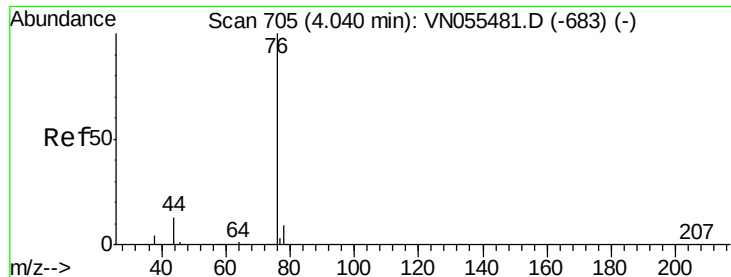
Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.2	36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-619) (-)





#17

Carbon Disulfide

Concen: 45.816 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

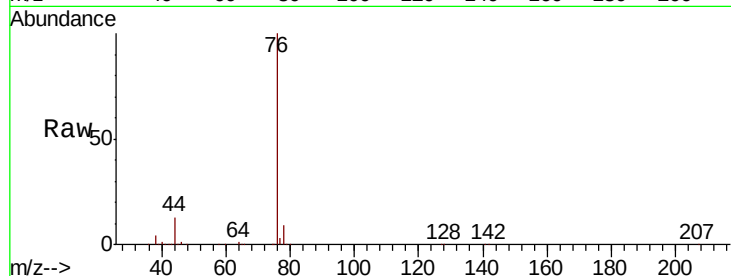
VSTDCCC050EC

Tot Ion: 76 Resp: 916577

Ion Ratio Lower Upper

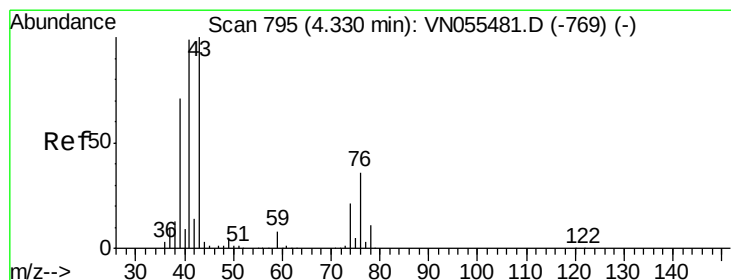
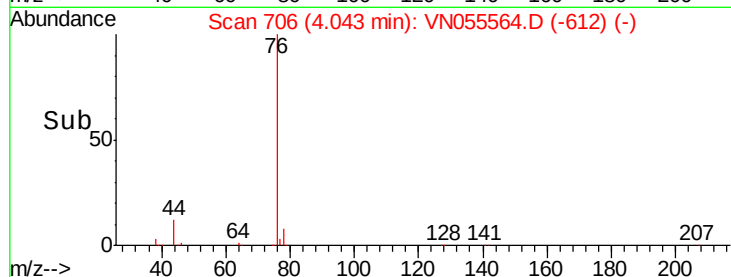
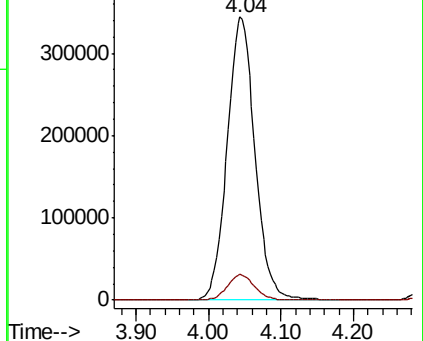
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN055564.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN055564.D (-612) (-)



#18

Methyl Acetate

Concen: 47.816 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055564.D

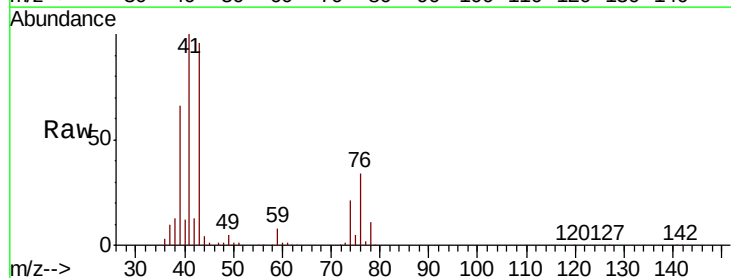
Acq: 10 May 2019 20:19

Tgt Ion: 43 Resp: 469636

Ion Ratio Lower Upper

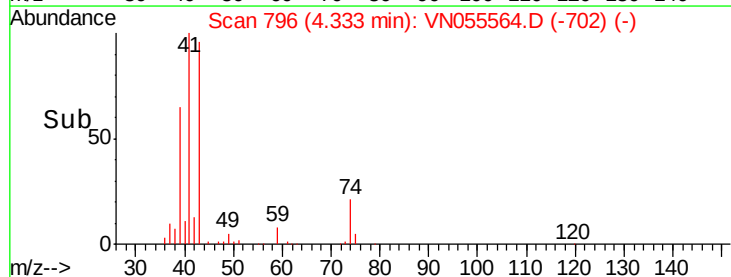
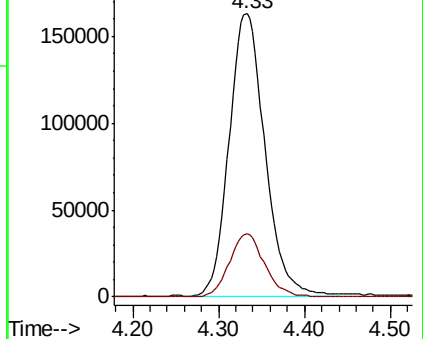
43 100

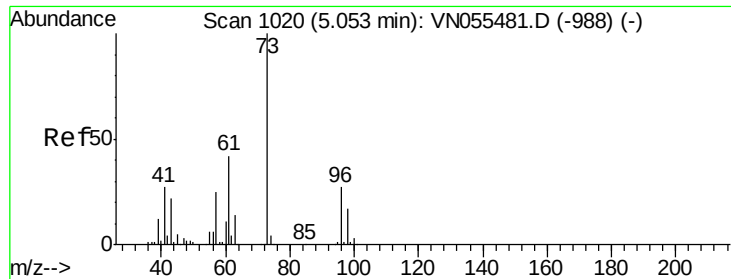
74 22.0 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN055564.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN055564.D (-702) (-)





#19

Methvl tert-butvl Ether
 Concen: 49.580 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

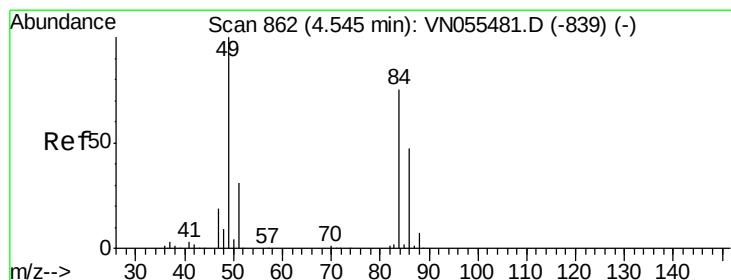
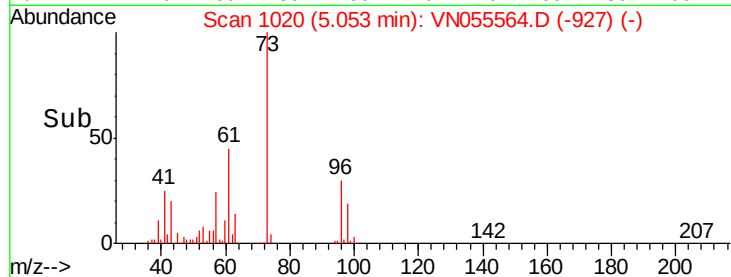
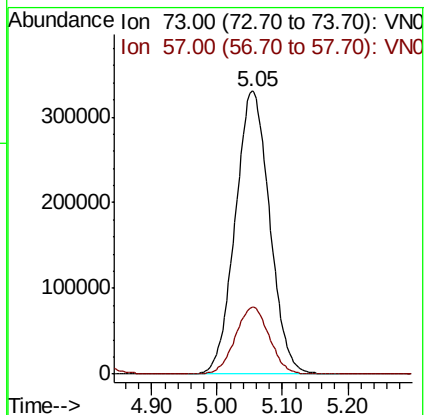
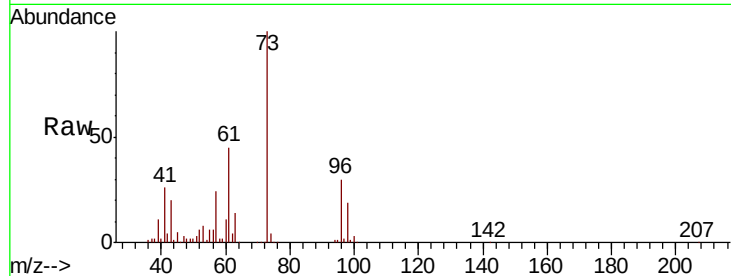
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 1207563

Ion Ratio Lower Upper

73 100

57 23.8 20.0 30.0



#20

Methylene Chloride
 Concen: 45.935 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 84 Resp: 439178

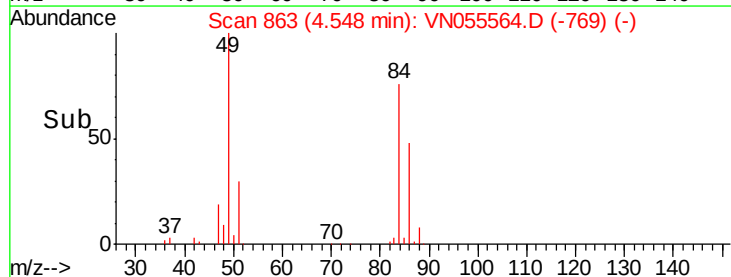
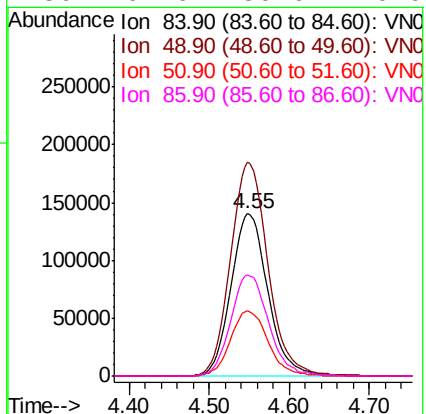
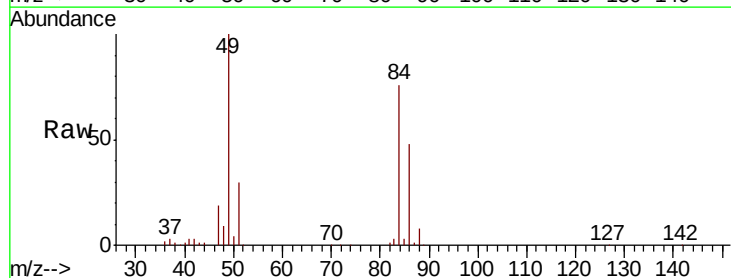
Ion Ratio Lower Upper

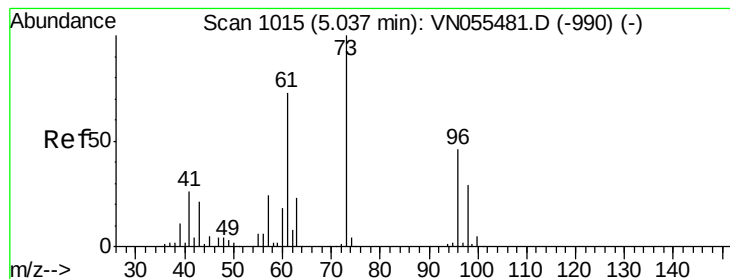
84 100

49 131.5 107.0 160.6

51 40.0 33.0 49.4

86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.604 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

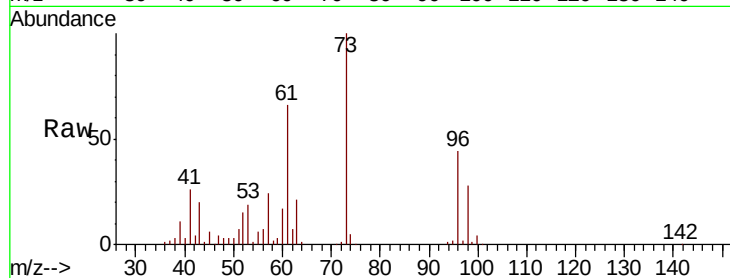
Tot Ion: 96 Resp: 386265

Ion Ratio Lower Upper

96 100

61 151.1 127.4 191.0

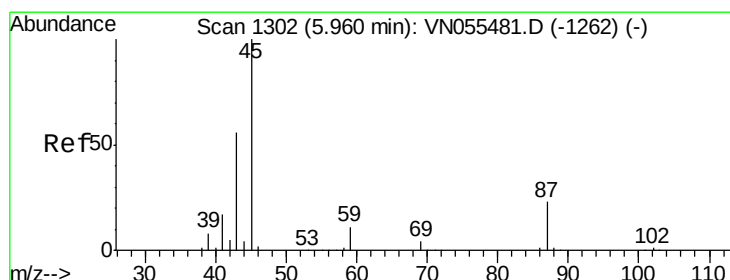
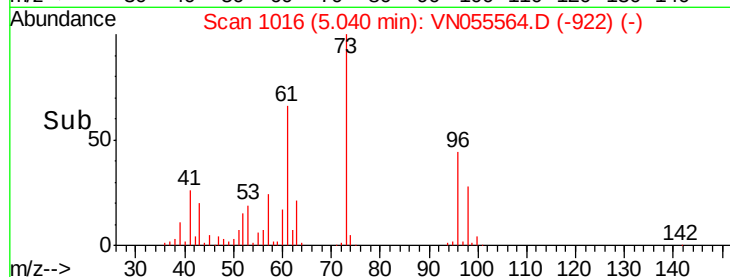
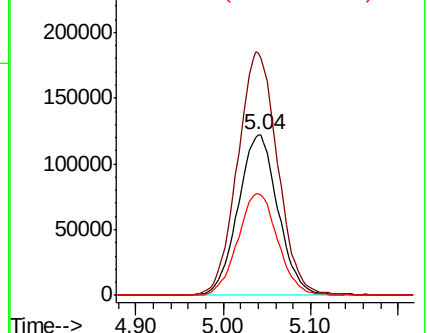
98 63.1 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055481.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055481.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055481.D (-990) (-)



#22

Diisopropyl ether

Concen: 48.532 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion: 45 Resp: 1480817

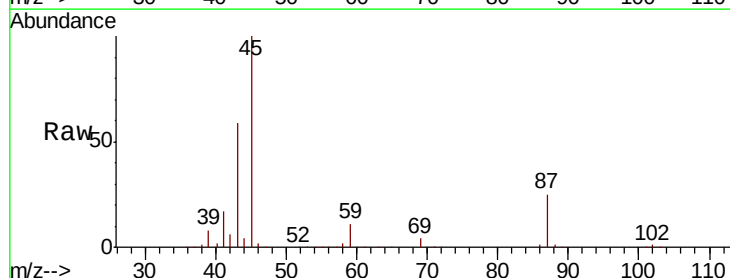
Ion Ratio Lower Upper

45 100

43 58.6 44.6 66.8

87 24.8 18.6 28.0

59 10.9 8.6 12.8

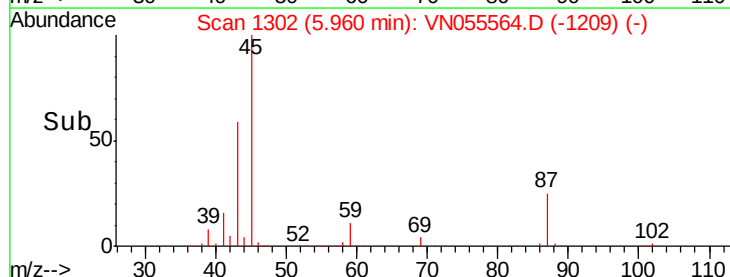
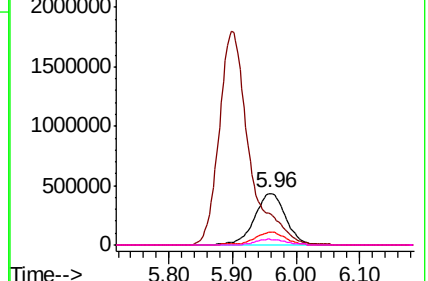


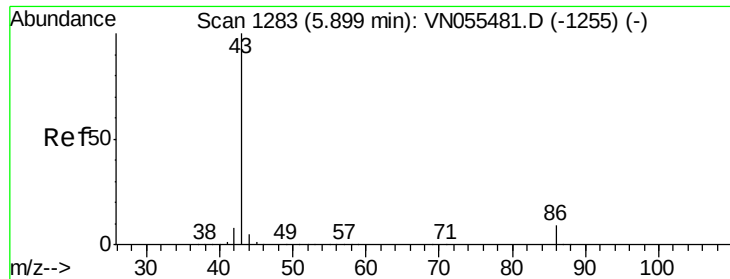
Abundance Ion 45.00 (44.70 to 45.70): VN055481.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN055481.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN055481.D (-1262) (-)





#23

Vinyl Acetate

Concen: 250.256 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

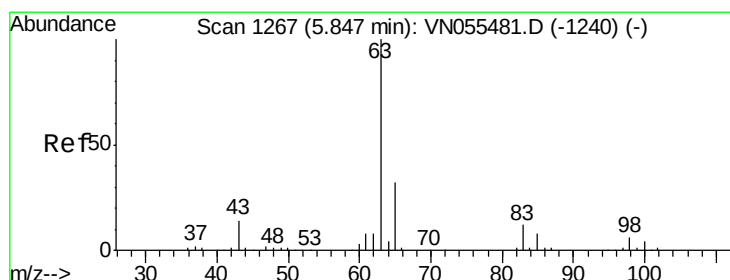
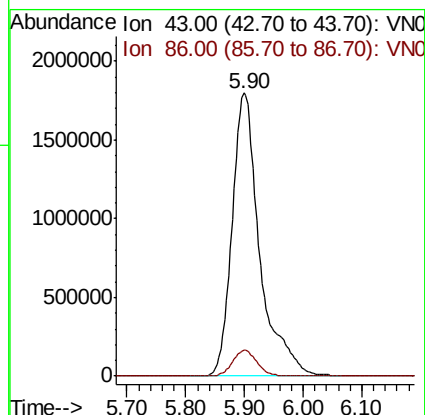
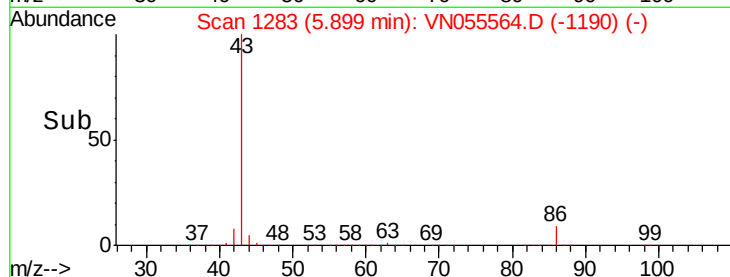
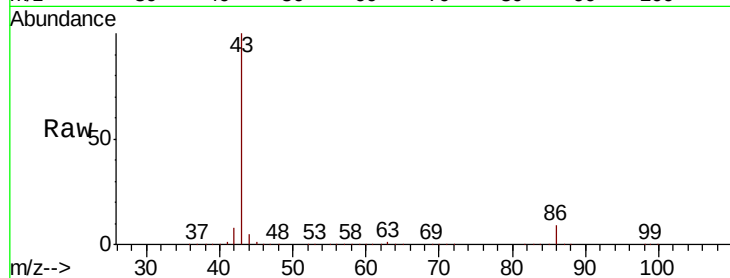
VSTDCCC050EC

Tot Ion: 43 Resp: 5905259

Ion Ratio Lower Upper

43 100

86 9.1 7.1 10.7



#24

1,1-Dichloroethane

Concen: 48.175 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

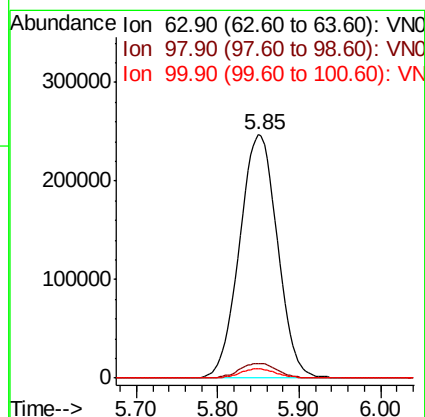
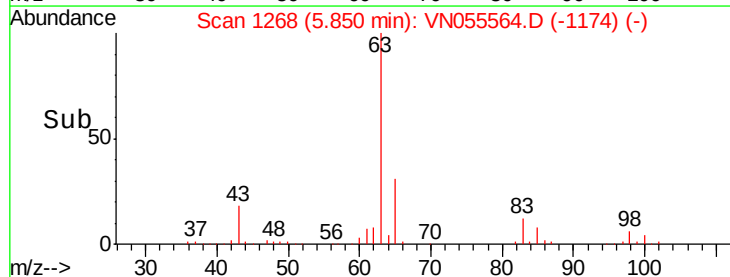
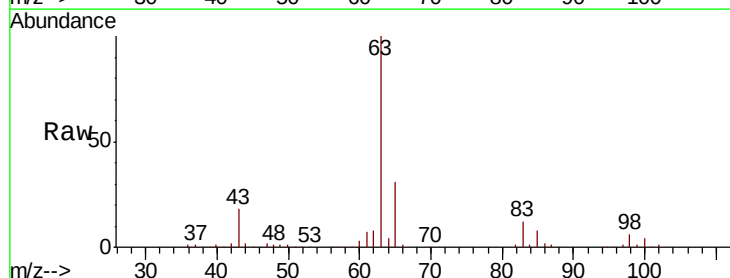
Tgt Ion: 63 Resp: 793487

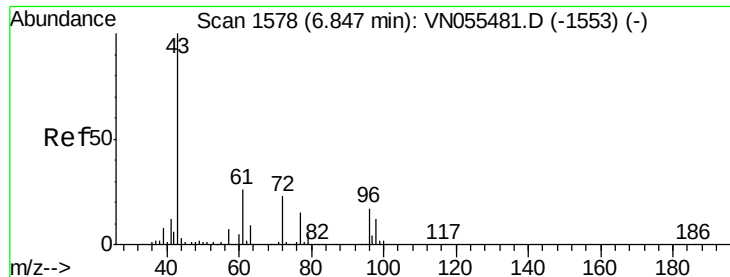
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.8 1.9 5.7

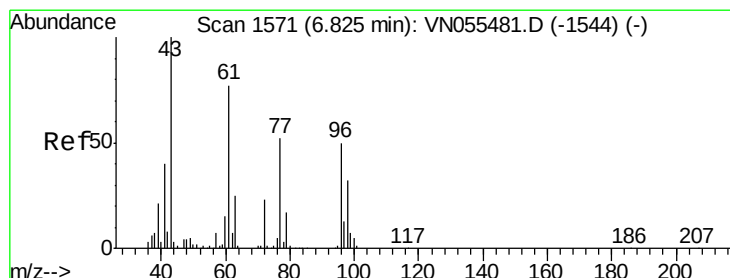
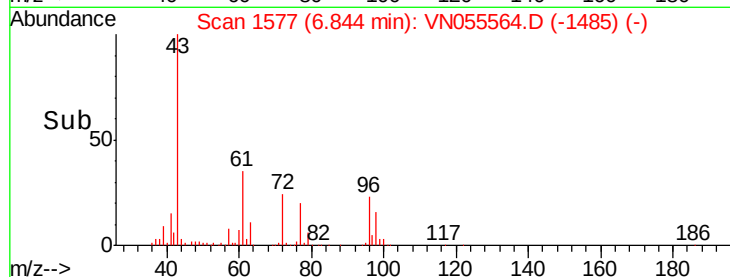
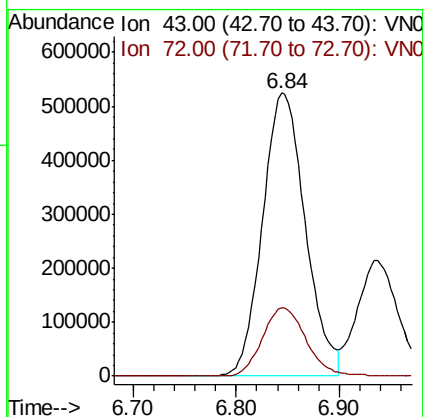
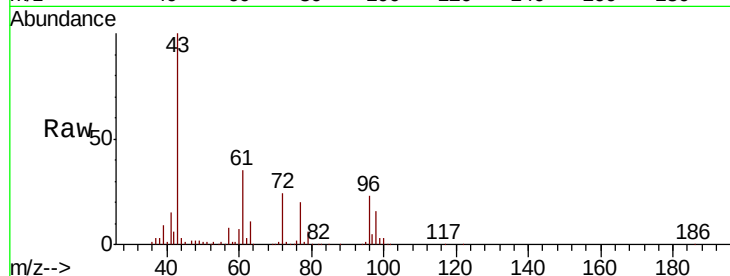




#25
 2-Butanone
 Concen: 233.411 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

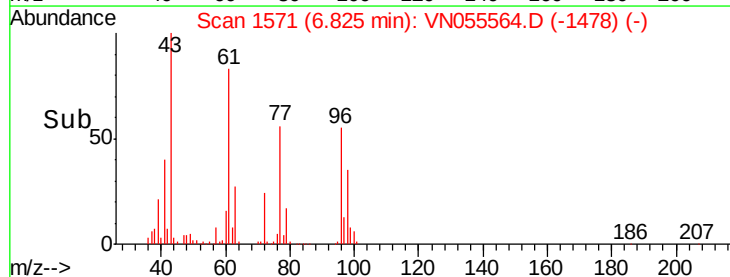
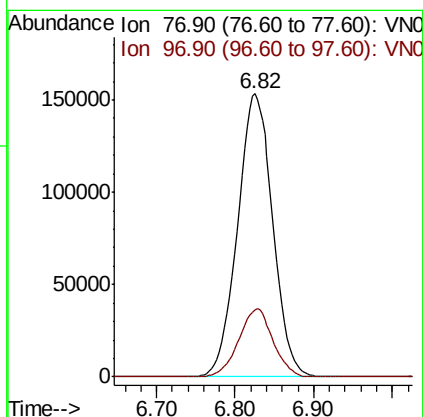
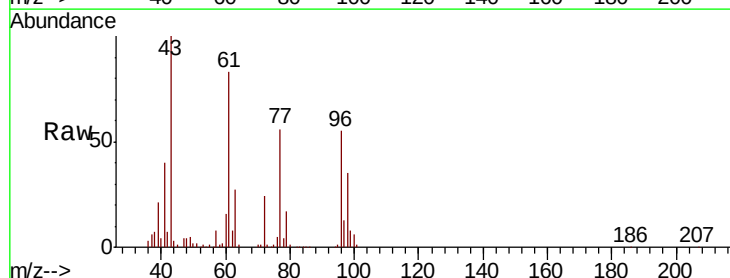
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

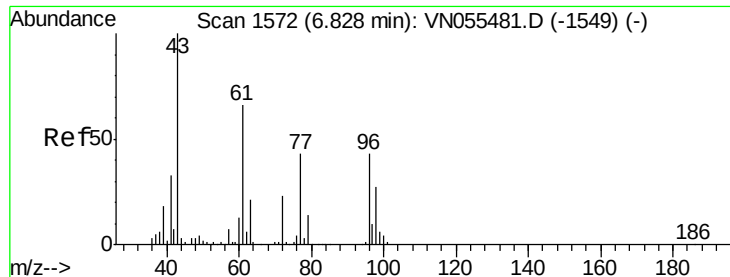
Tot Ion: 43 Resp: 1507553
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.6 27.8



#26
 2,2-Dichloropropane
 Concen: 46.805 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 77 Resp: 480585
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.5 34.5

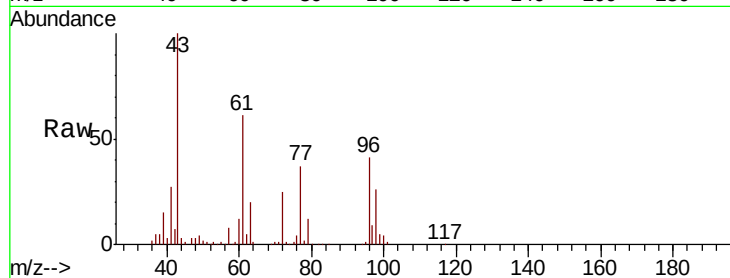




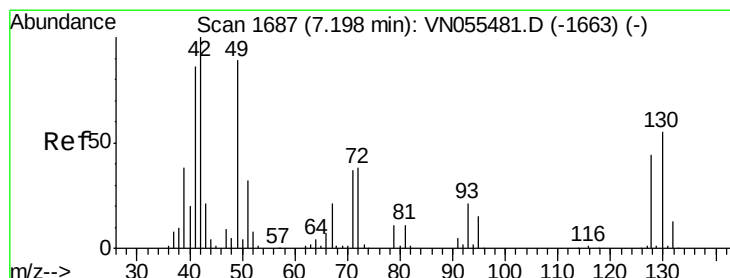
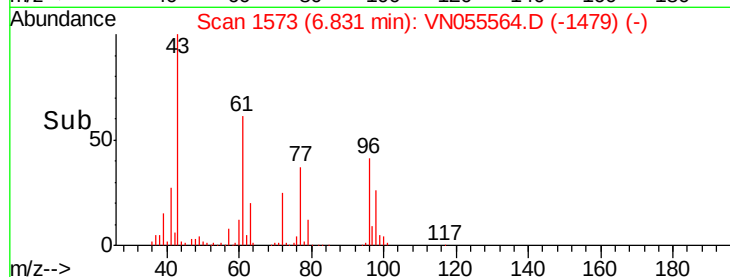
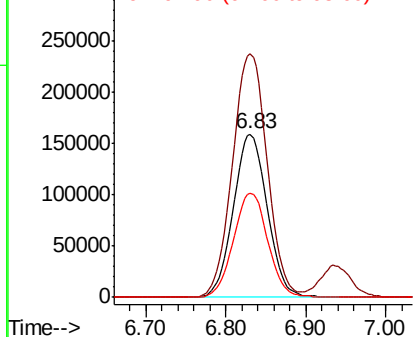
#27
 cis-1,2-Dichloroethene
 Concen: 49.556 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 455146
 Ion Ratio Lower Upper
 96 100
 61 152.7 0.0 310.8
 98 64.9 0.0 129.4

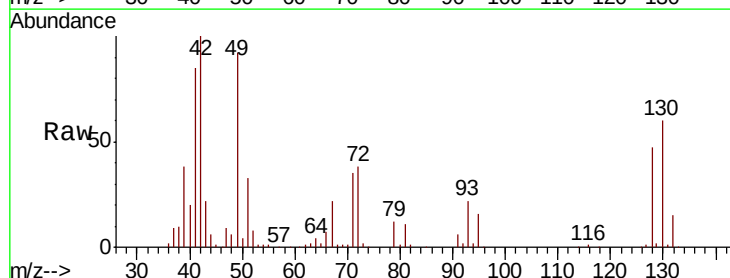


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

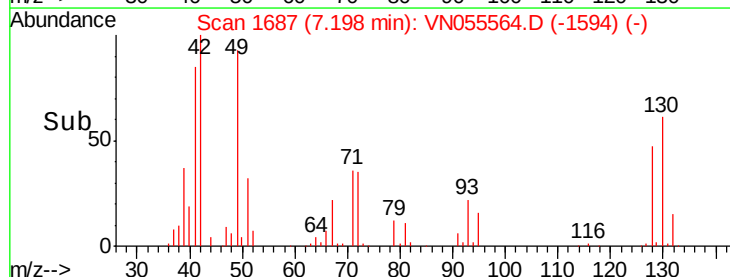
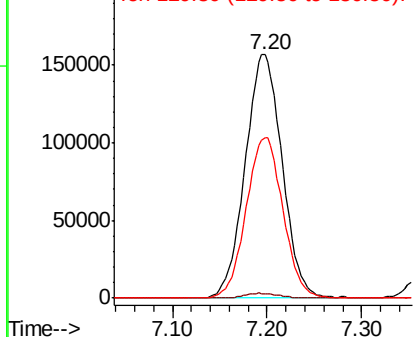


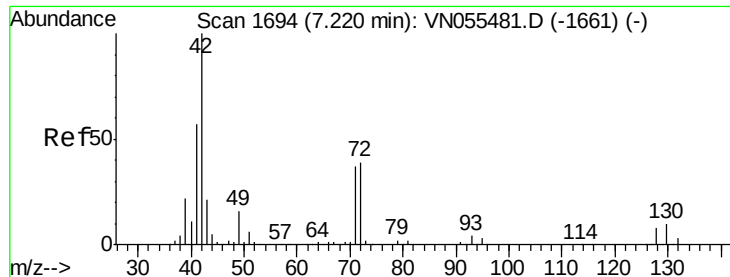
#28
 Bromochloromethane
 Concen: 49.796 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 49 Resp: 425941
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.2
 130 65.7 49.5 74.3



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

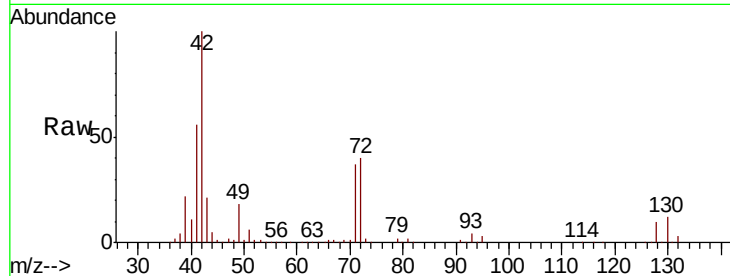




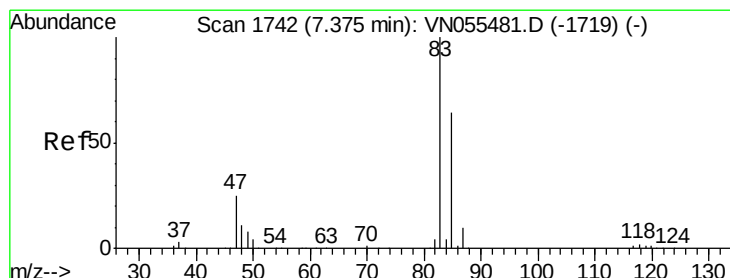
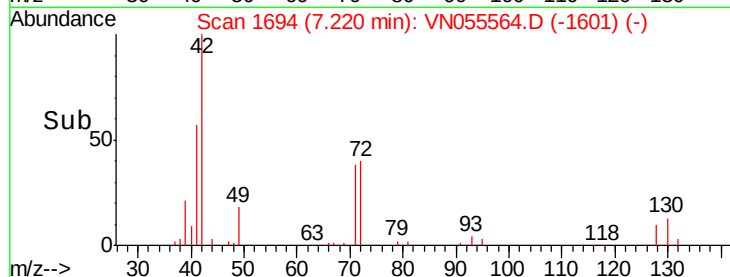
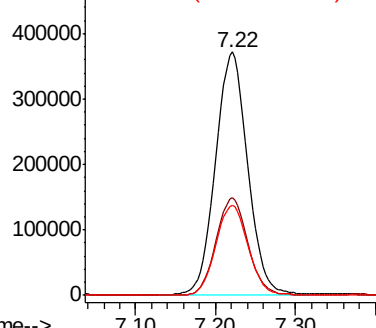
#29
Tetrahydrofuran
Concen: 237.405 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 1013672
Ion Ratio Lower Upper
42 100
72 39.7 31.0 46.6
71 37.2 29.4 44.2

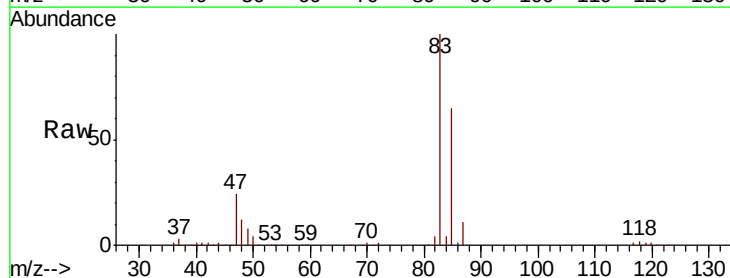


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

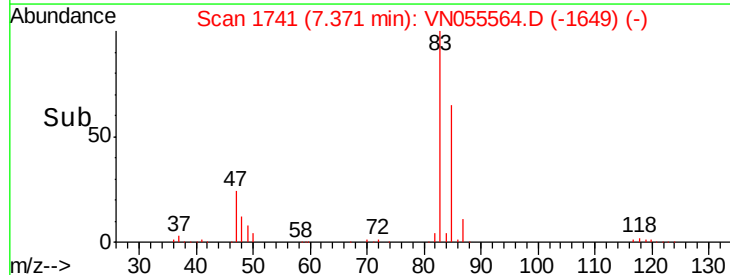
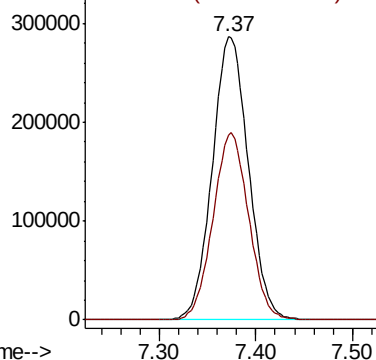


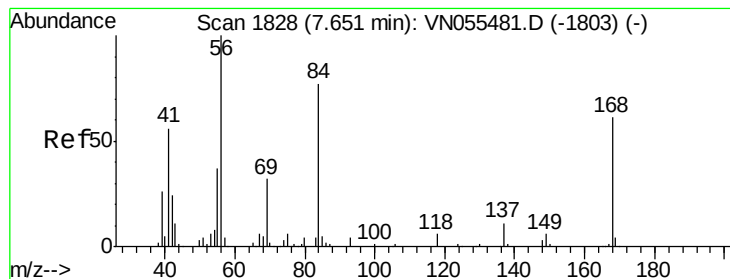
#30
Chloroform
Concen: 48.739 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 83 Resp: 742133
Ion Ratio Lower Upper
83 100
85 65.3 51.3 76.9



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





#31

Cyclohexane

Concen: 44.212 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

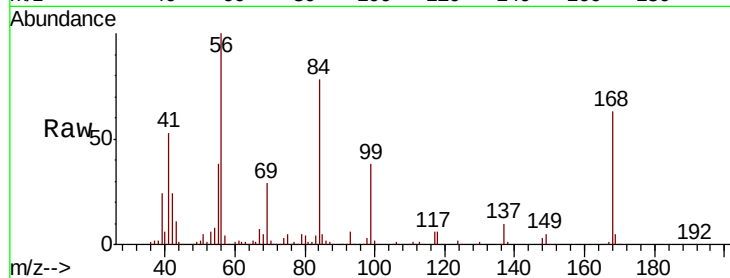
Tot Ion: 56 Resp: 720505

Ion Ratio Lower Upper

56 100

69 29.3 26.0 39.0

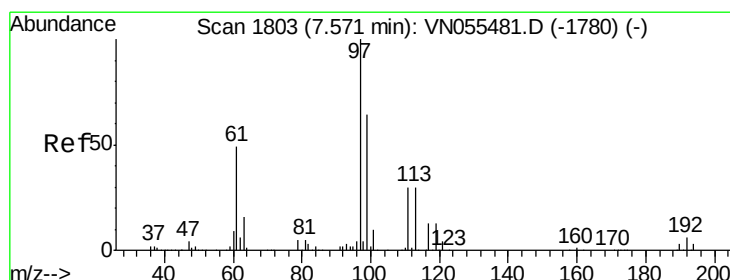
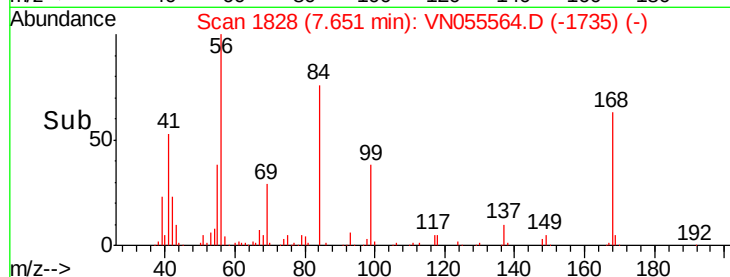
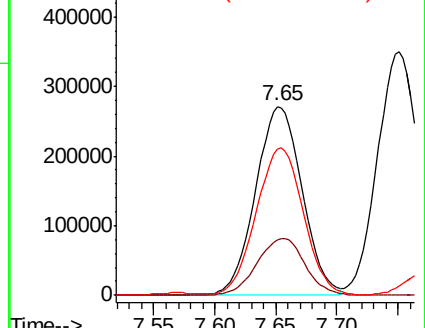
84 76.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.842 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

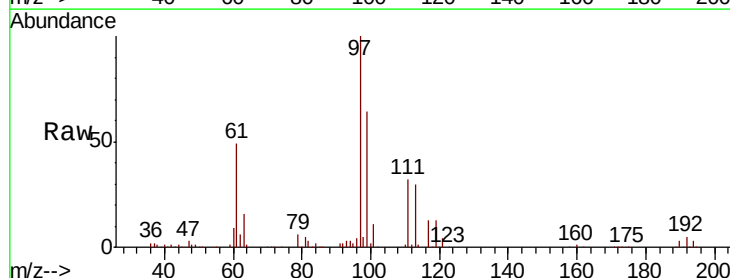
Tgt Ion: 97 Resp: 577940

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

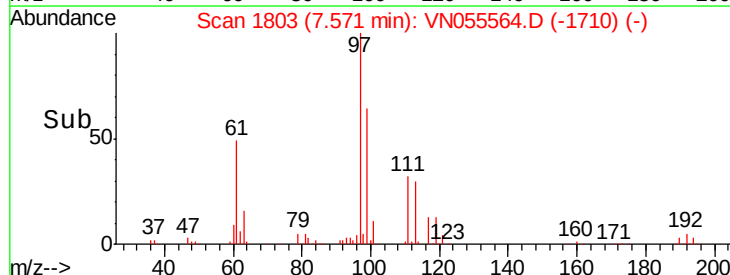
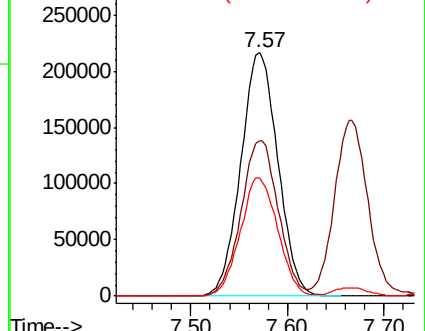
61 49.1 39.2 58.8

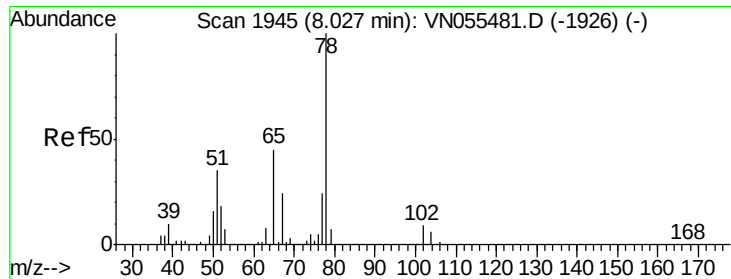


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

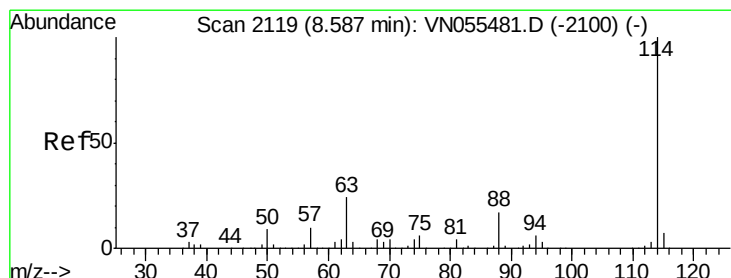
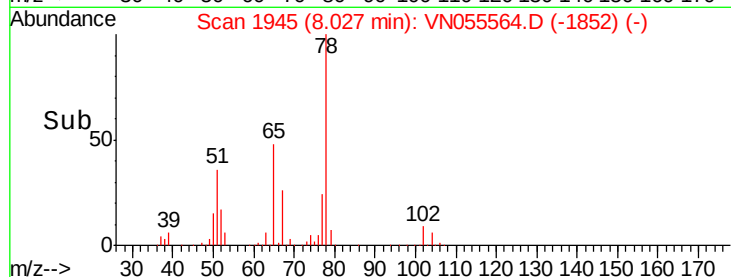
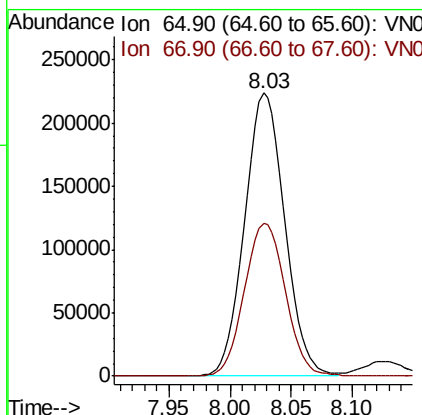
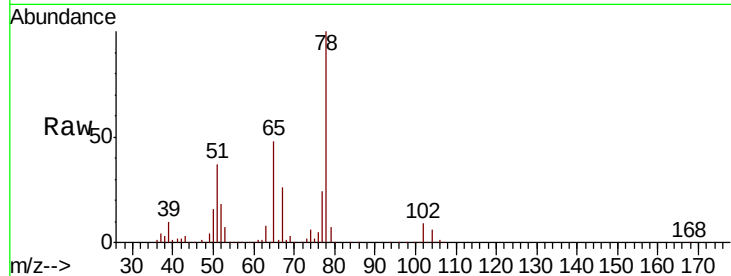




#33
 1,2-Dichloroethane-d4
 Concen: 50.437 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

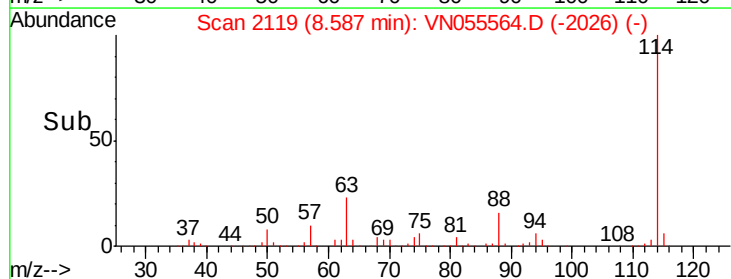
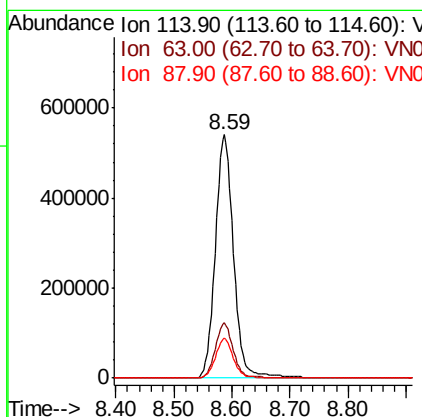
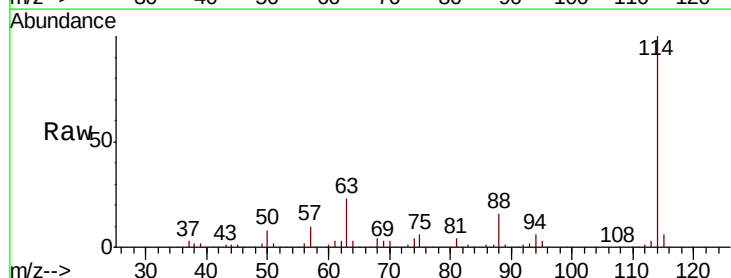
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

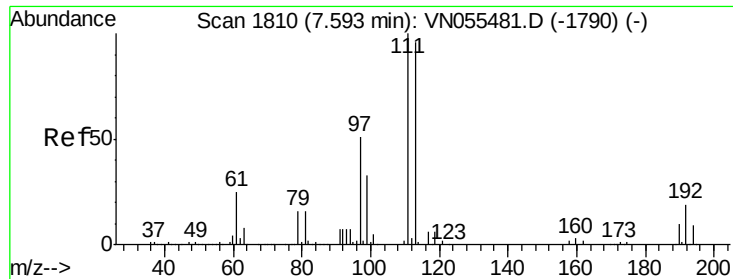
Tot Ion: 65 Resp: 509303
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 114 Resp: 1182890
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.5 0.0 34.0

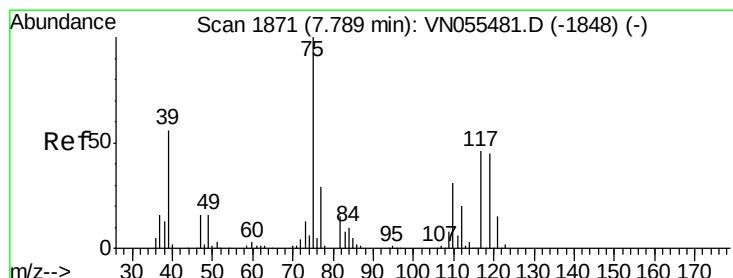
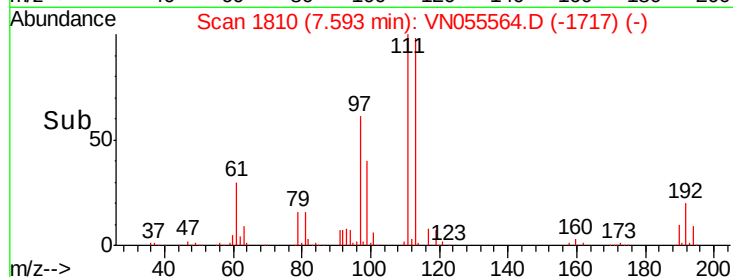
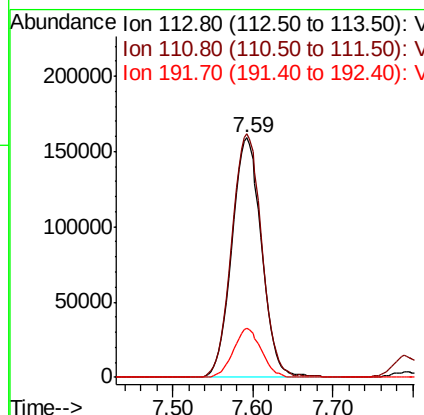
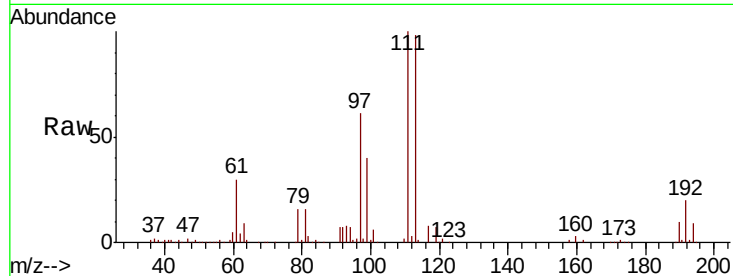




#35
 Dibromofluoromethane
 Concen: 52.368 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

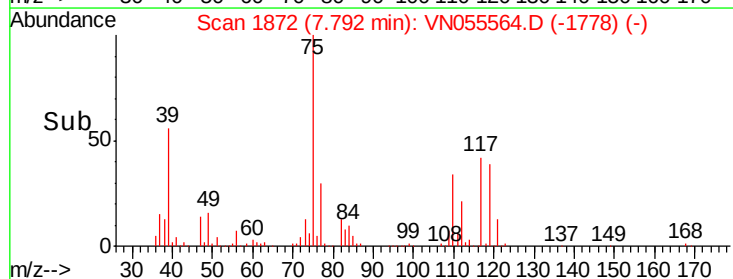
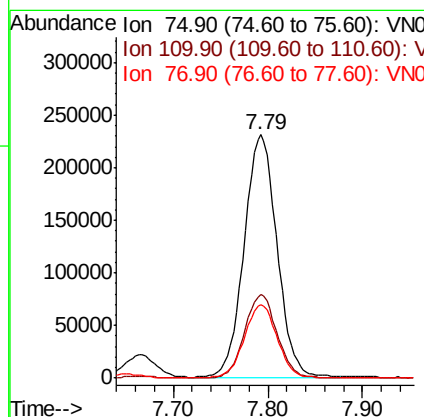
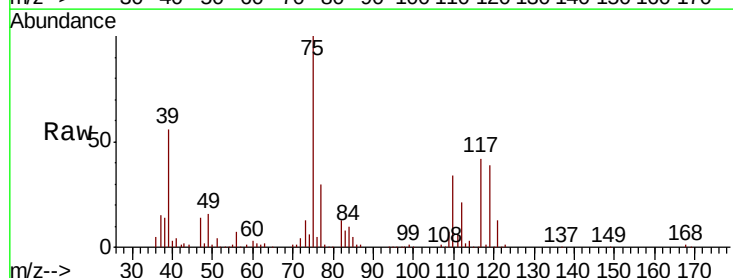
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

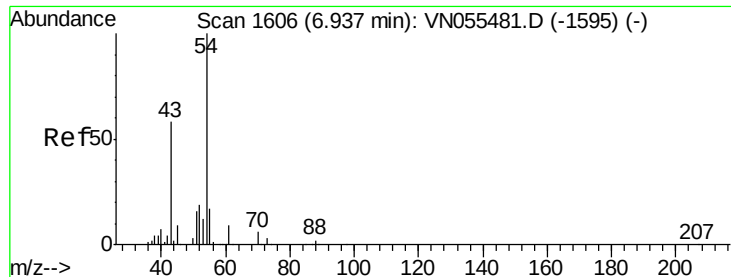
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.3	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 47.766 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.1	48.3
77	30.5	24.6	37.0

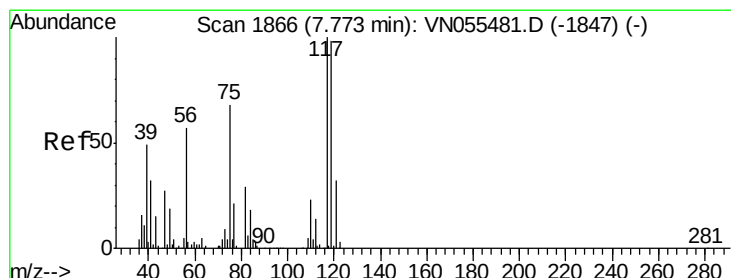
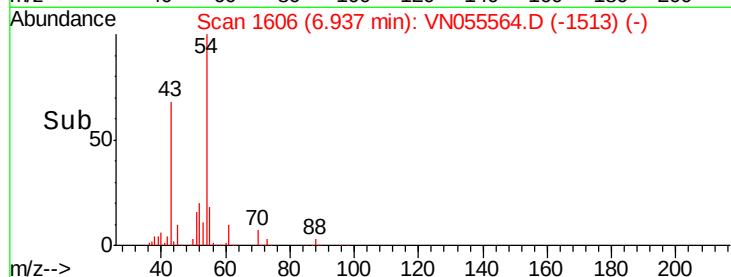
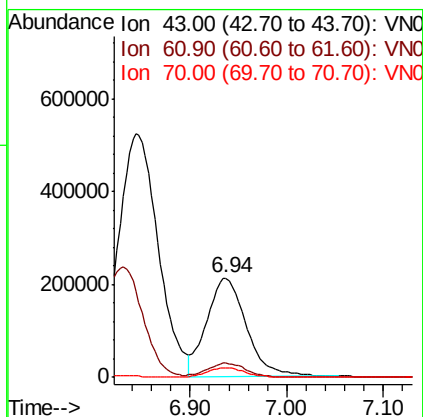
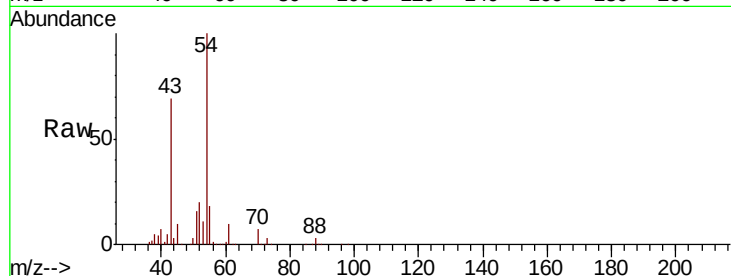




#37
Ethyl Acetate
Concen: 47.521 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

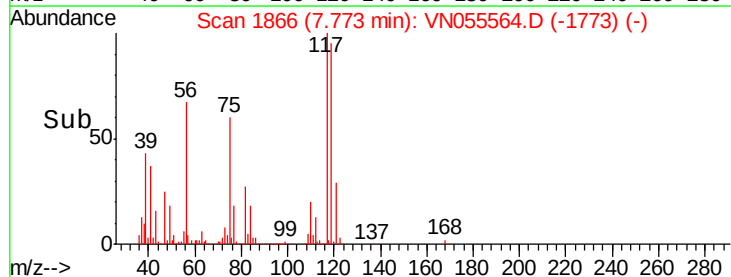
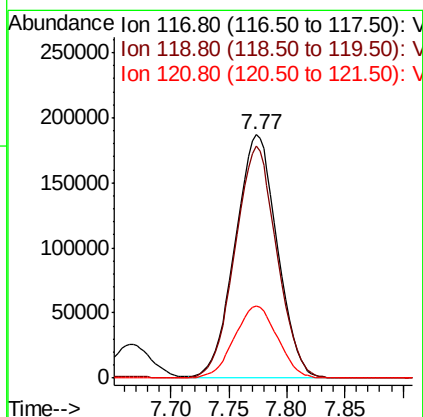
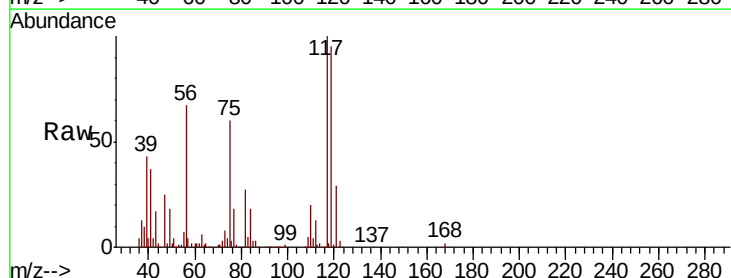
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

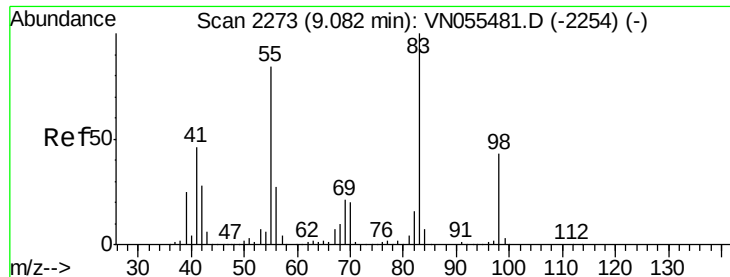
Tot Ion: 43 Resp: 604088
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 8.9 7.0 10.6



#38
Carbon Tetrachloride
Concen: 47.987 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 117 Resp: 470882
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 29.5 25.2 37.8

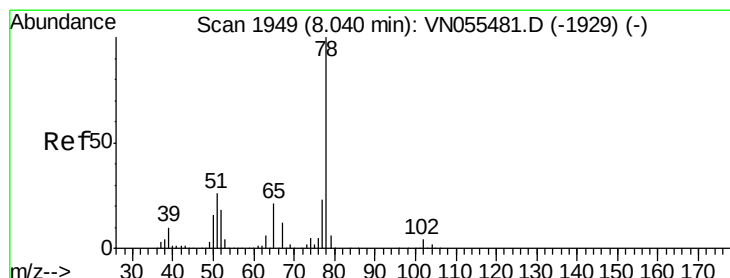
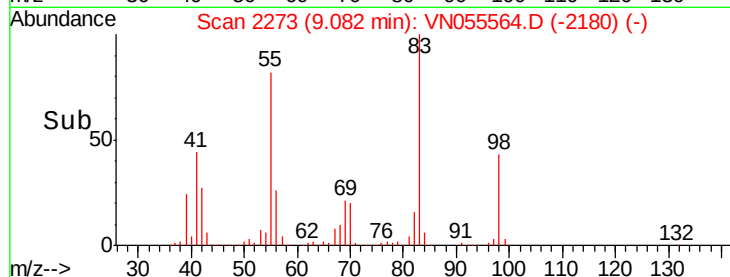
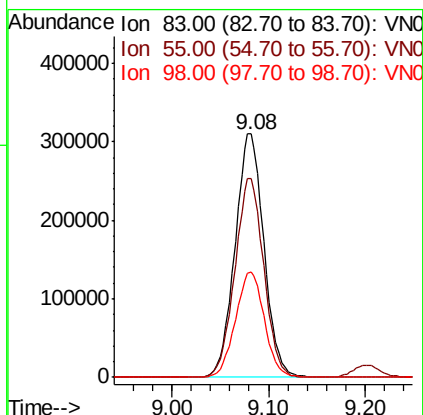
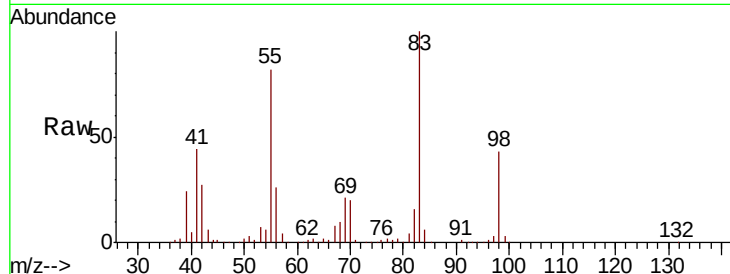




#39
Methylvlcyclohexane
Concen: 45.099 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

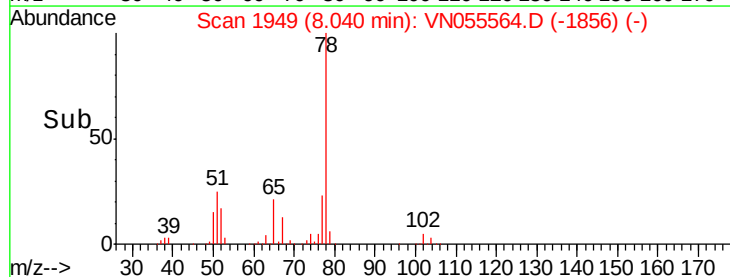
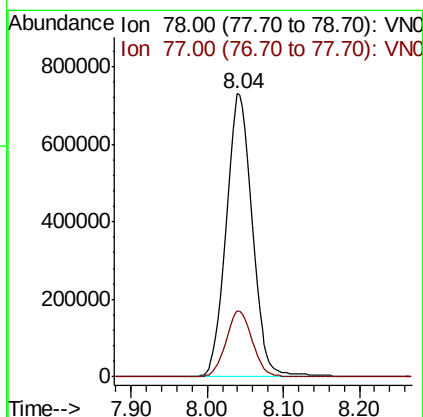
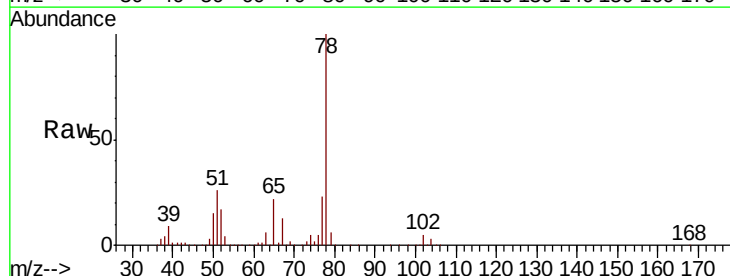
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

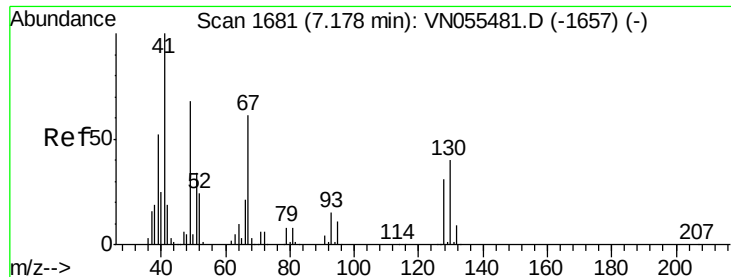
Tot Ion: 83 Resp: 640791
Ion Ratio Lower Upper
83 100
55 81.8 67.0 100.4
98 43.3 34.2 51.4



#40
Benzene
Concen: 48.423 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 78 Resp: 1751337
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

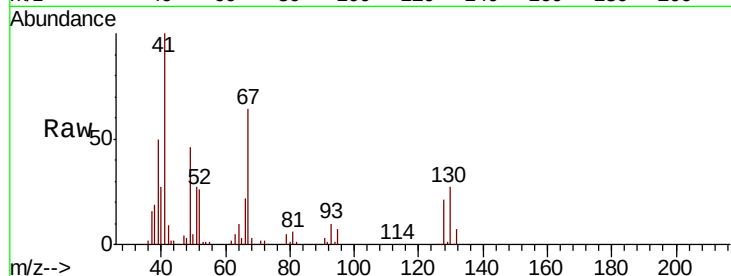




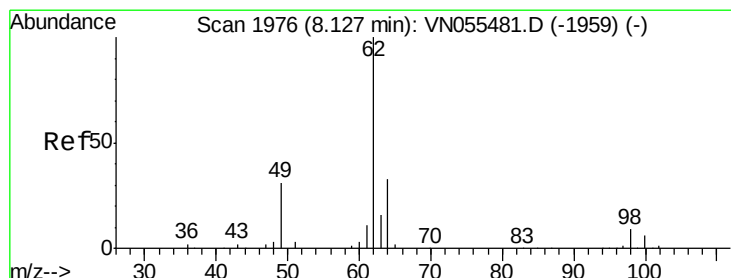
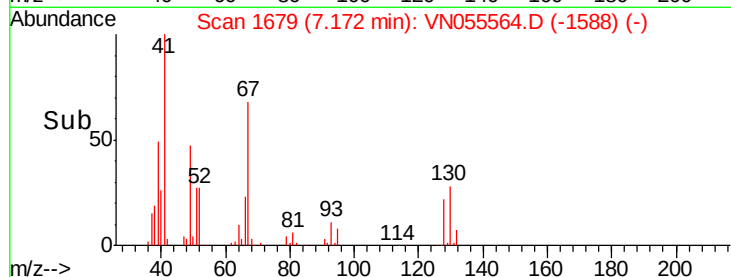
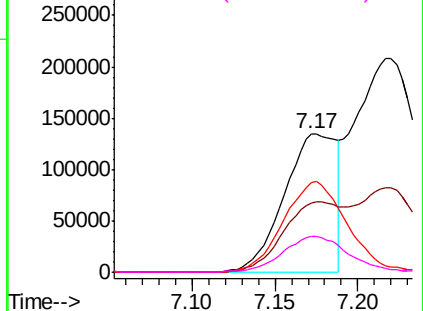
#41
Methacrylonitrile
Concen: 50.052 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	295313
Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.7	67.1
67	81.2	61.4	92.0
52	32.5	25.0	37.4

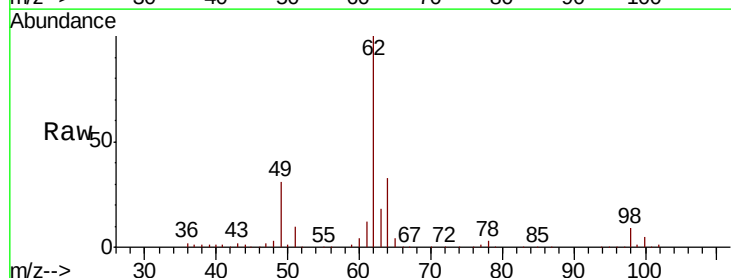


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

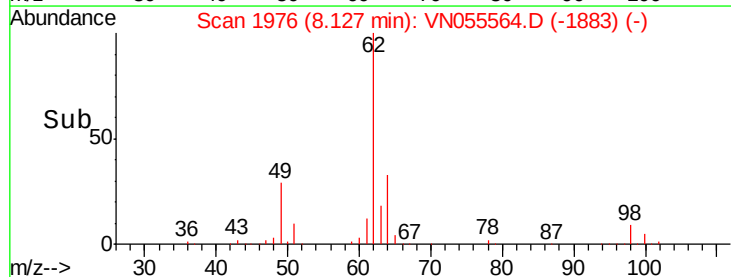
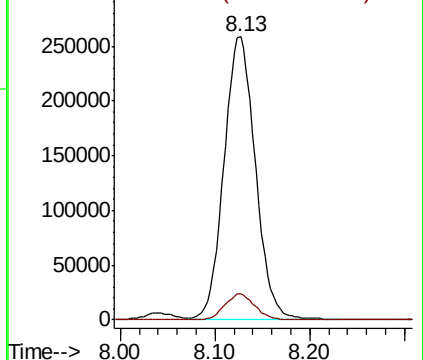


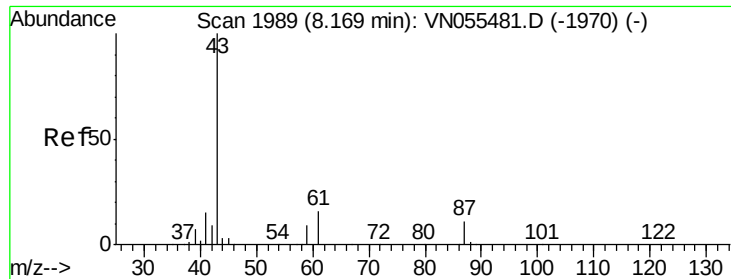
#42
1,2-Dichloroethane
Concen: 46.823 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:	62	Resp:	594963
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.514 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

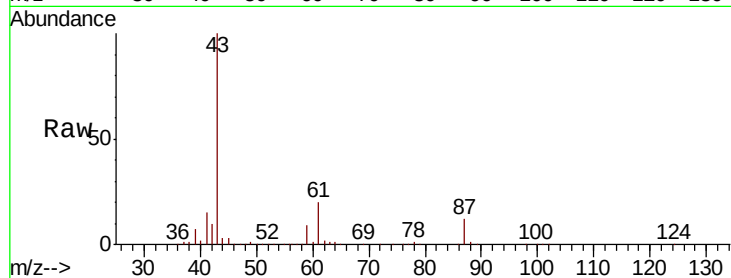
Tot Ion: 43 Resp: 936931

Ion Ratio Lower Upper

43 100

61 20.0 15.1 22.7

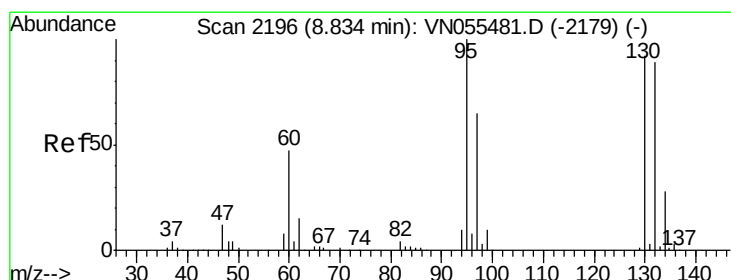
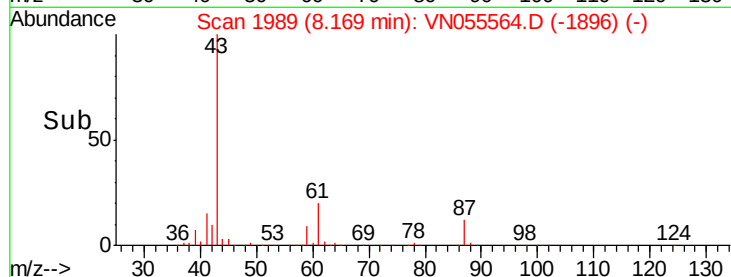
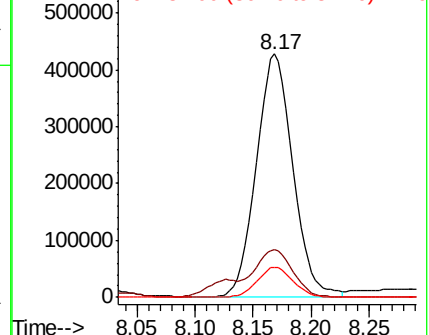
87 12.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 48.737 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055564.D

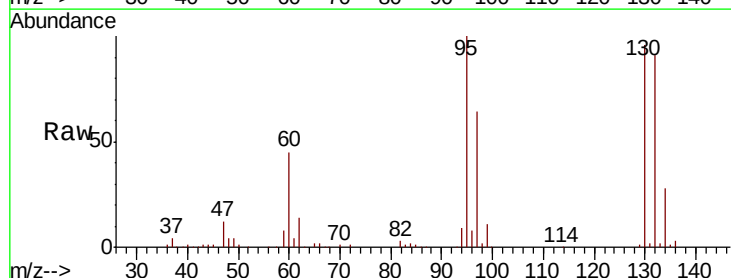
Acq: 10 May 2019 20:19

Tgt Ion:130 Resp: 419420

Ion Ratio Lower Upper

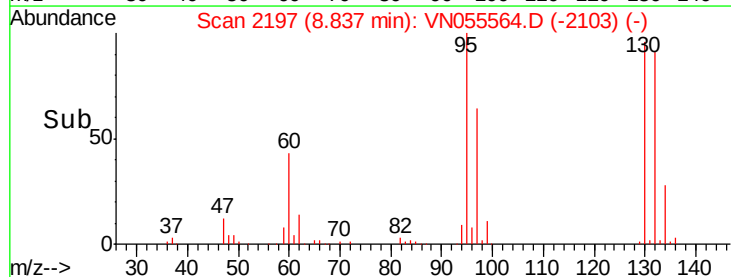
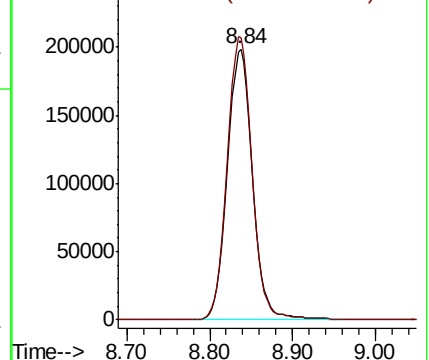
130 100

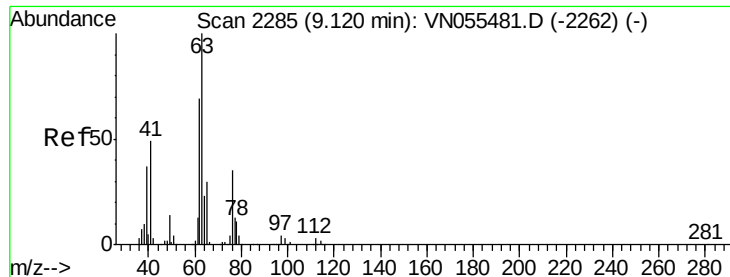
95 104.4 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 48.126 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

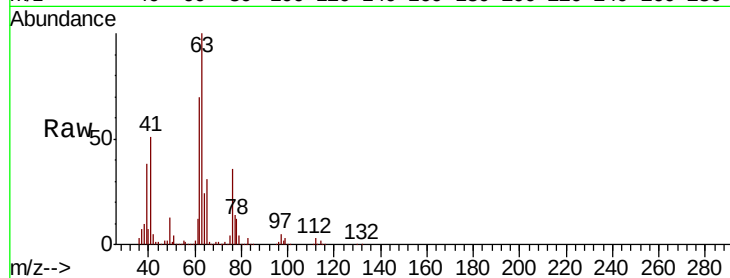
VSTDCCC050EC

Tot Ion: 63 Resp: 498030

Ion Ratio Lower Upper

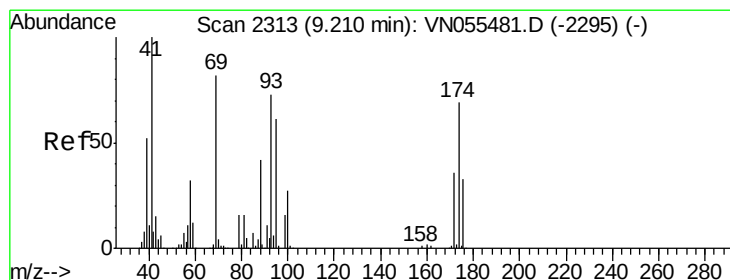
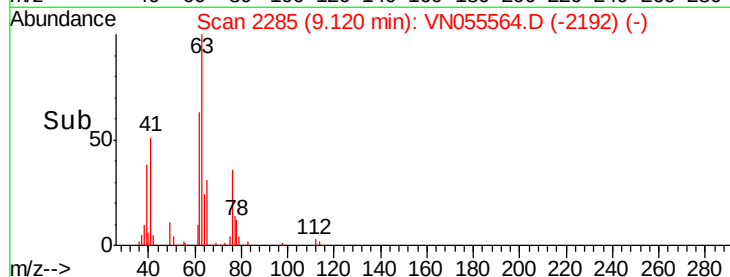
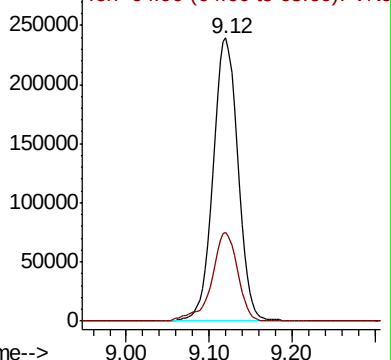
63 100

65 31.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.649 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

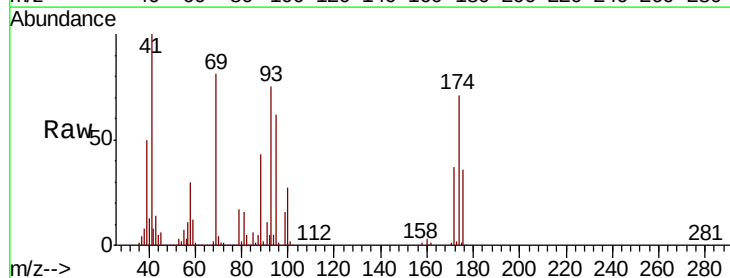
Tgt Ion: 93 Resp: 291814

Ion Ratio Lower Upper

93 100

95 82.4 64.8 97.2

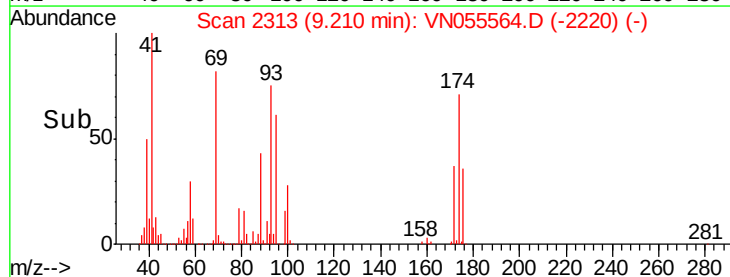
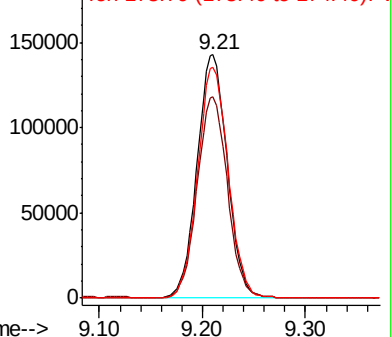
174 96.0 75.0 112.6

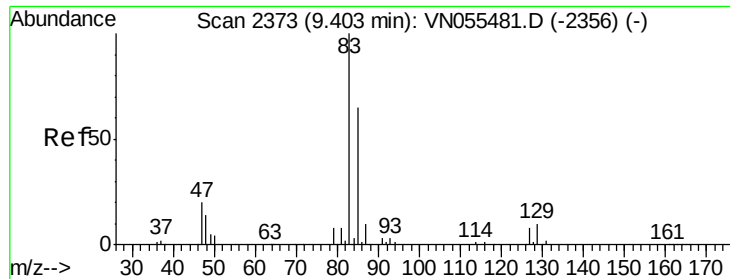


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.352 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

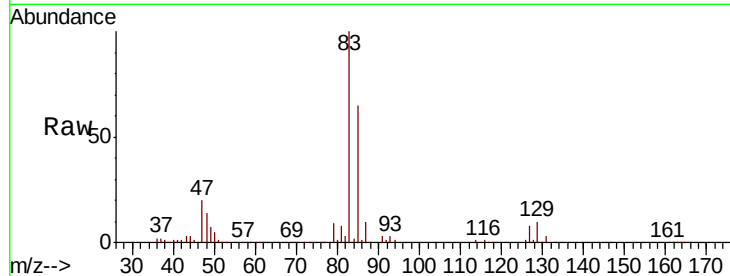
Tot Ion: 83 Resp: 566331

Ion Ratio Lower Upper

83 100

85 64.6 52.2 78.2

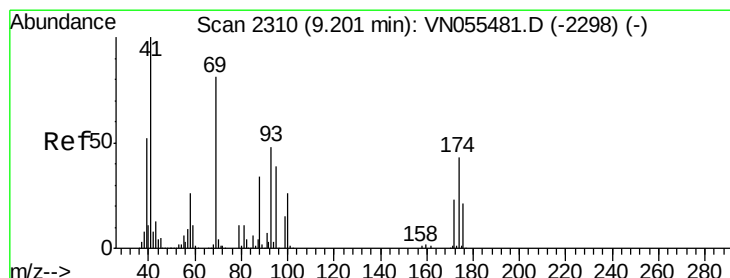
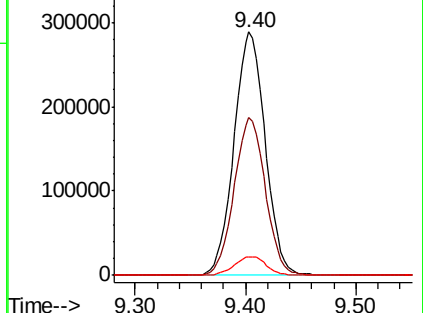
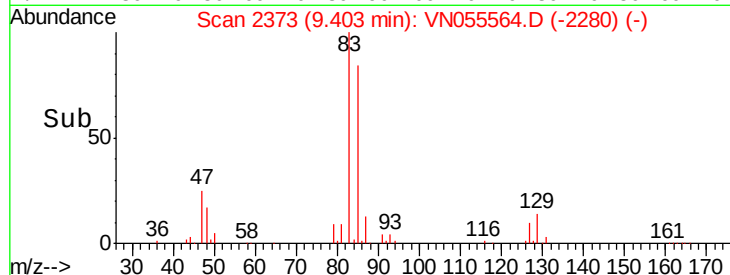
127 7.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055564.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055564.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055564.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.515 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

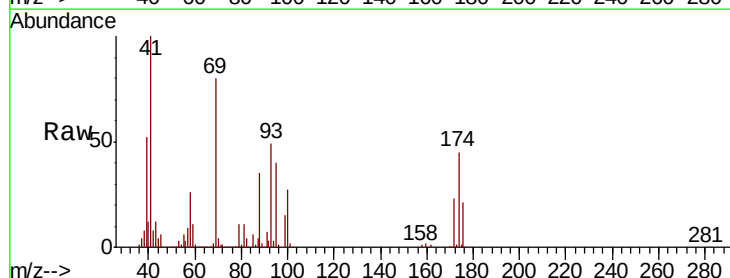
Tgt Ion: 41 Resp: 451435

Ion Ratio Lower Upper

41 100

69 84.0 64.2 96.2

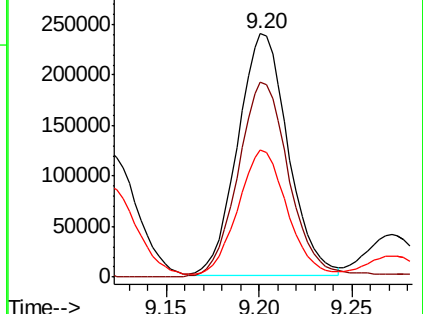
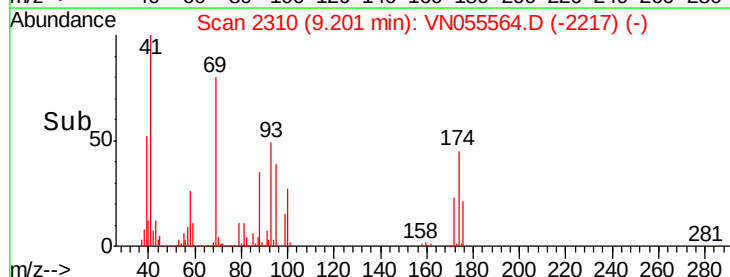
39 51.6 41.6 62.4

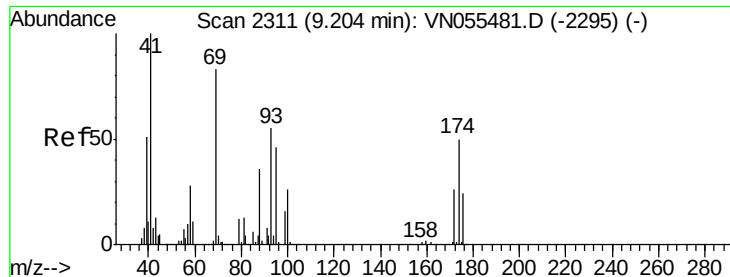


Abundance Ion 41.00 (40.70 to 41.70): VN055564.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055564.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055564.D (-2217) (-)

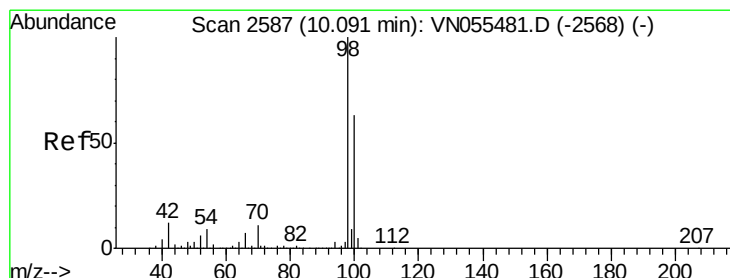
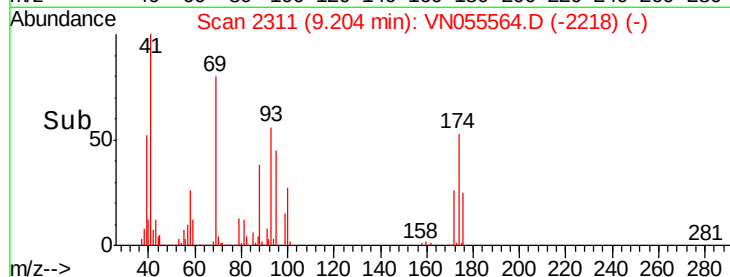
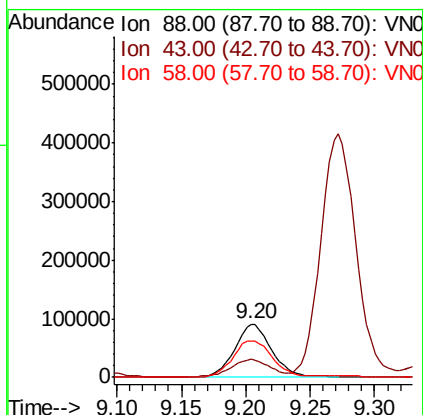
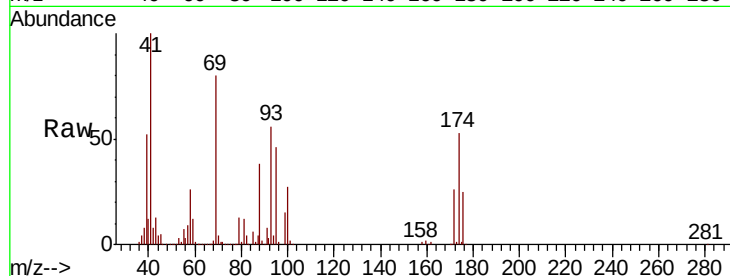




#49
1,4-Dioxane
Concen: 1002.712 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

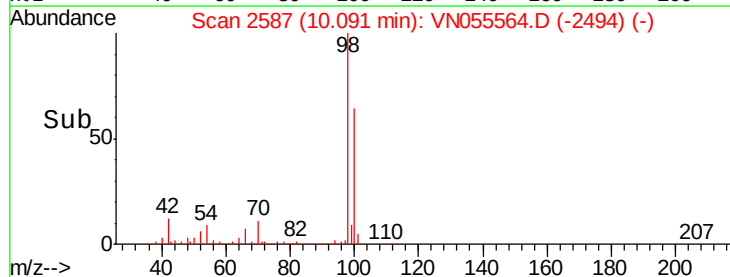
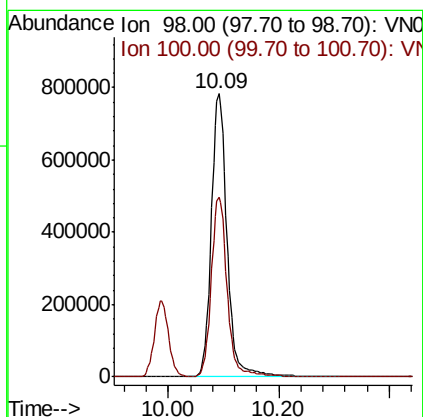
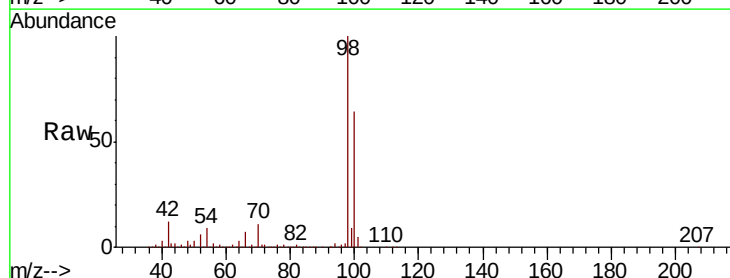
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

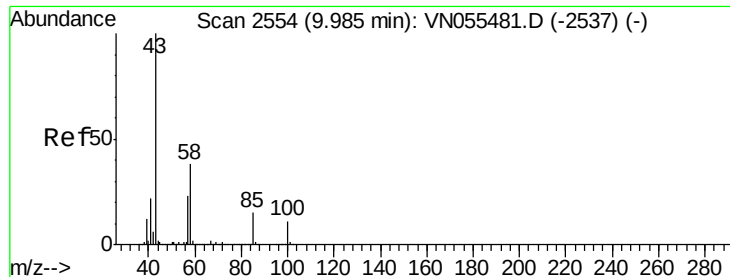
Tot Ion: 88 Resp: 181849
Ion Ratio Lower Upper
88 100
43 33.0 27.8 41.8
58 73.9 61.8 92.6



#50
Toluene-d8
Concen: 52.274 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 98 Resp: 1554396
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 239.119 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

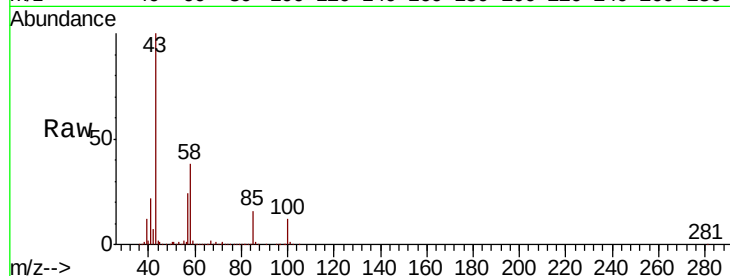
VSTDCCC050EC

Tot Ion: 43 Resp: 3037200

Ion Ratio Lower Upper

43 100

58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2000000

1500000

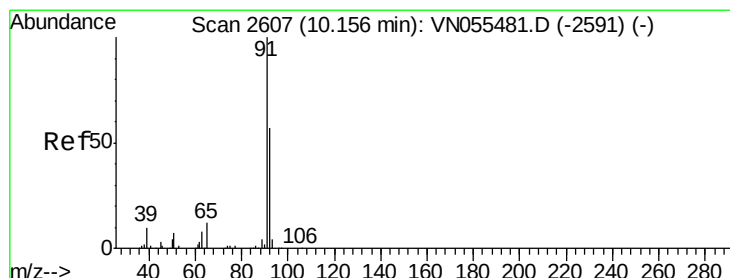
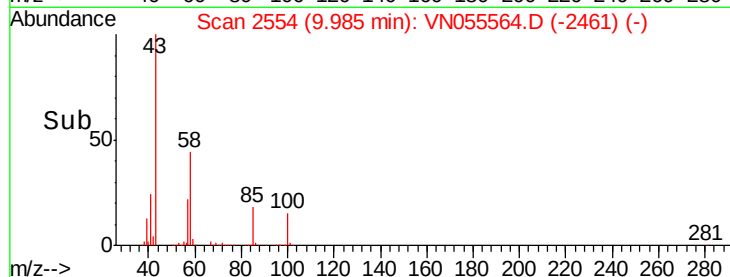
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 49.555 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055564.D

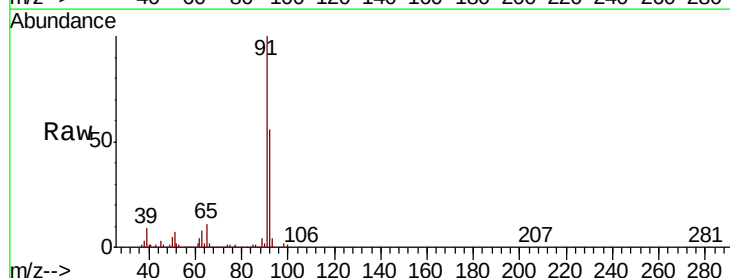
Acq: 10 May 2019 20:19

Tgt Ion: 92 Resp: 1024638

Ion Ratio Lower Upper

92 100

91 177.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

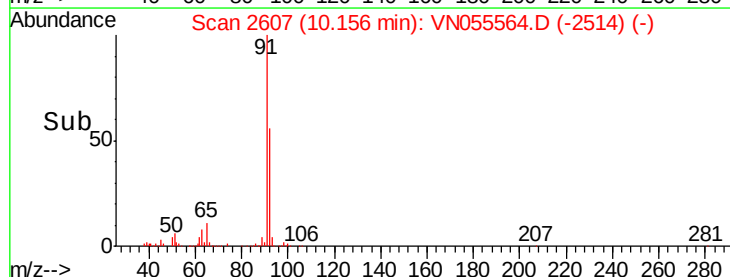
400000

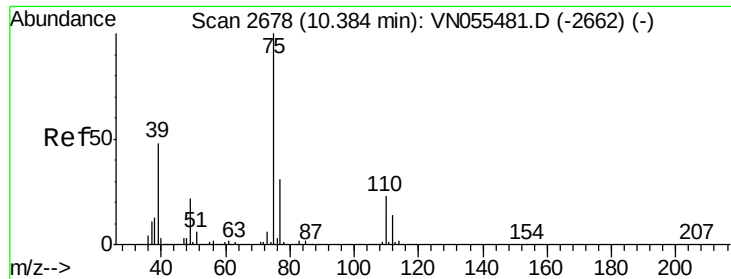
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.758 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

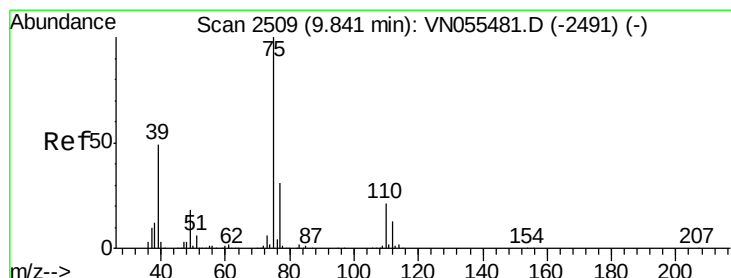
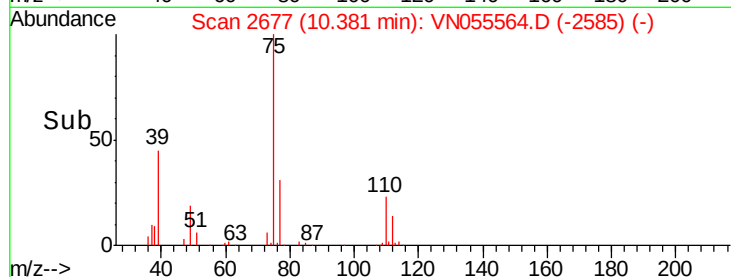
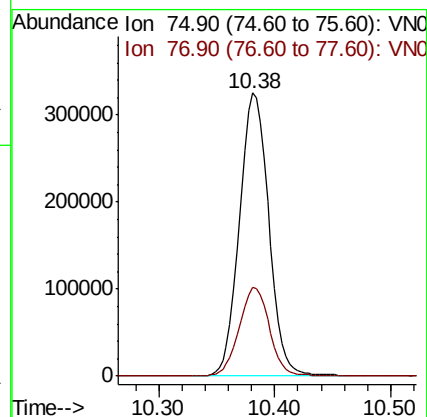
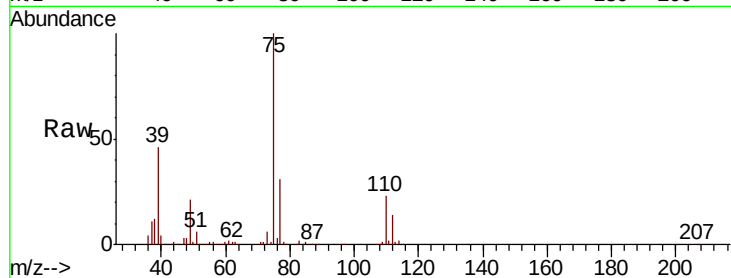
VSTDCCC050EC

Tot Ion: 75 Resp: 570433

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.625 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

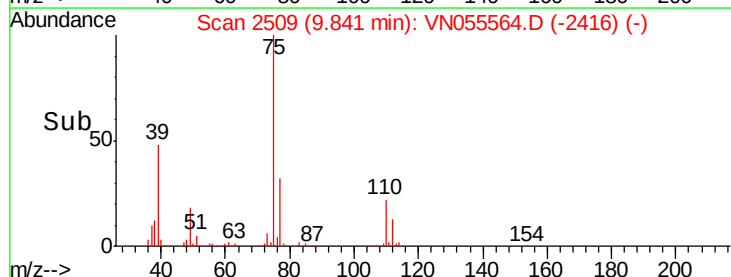
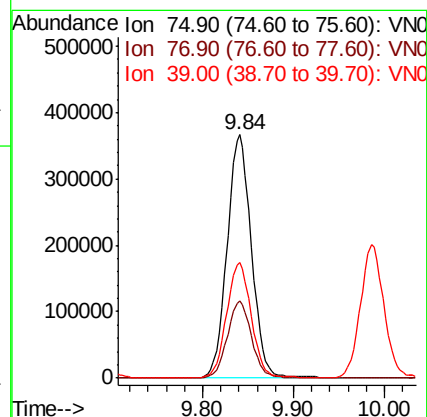
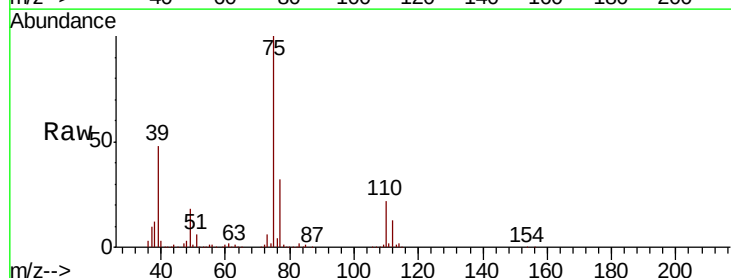
Tgt Ion: 75 Resp: 679886

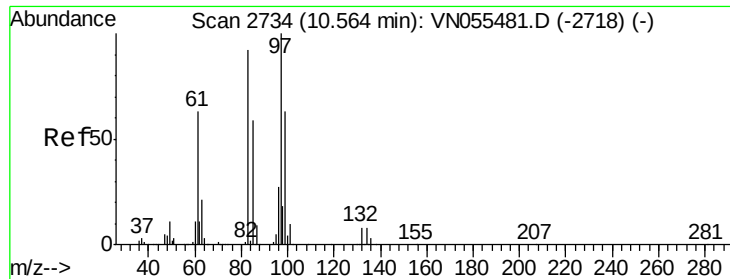
Ion Ratio Lower Upper

75 100

77 31.7 24.4 36.6

39 47.7 39.5 59.3

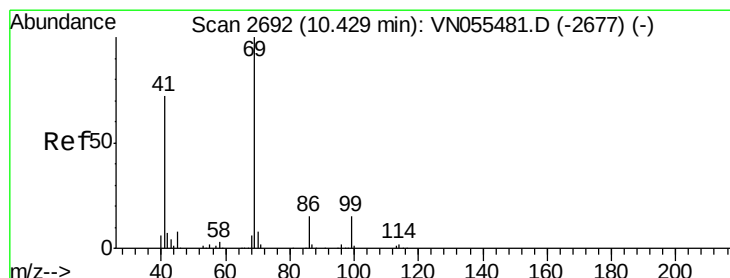
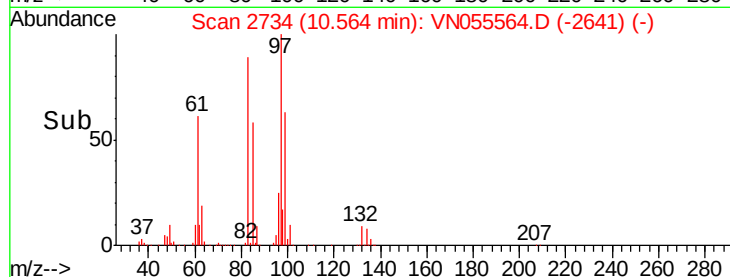
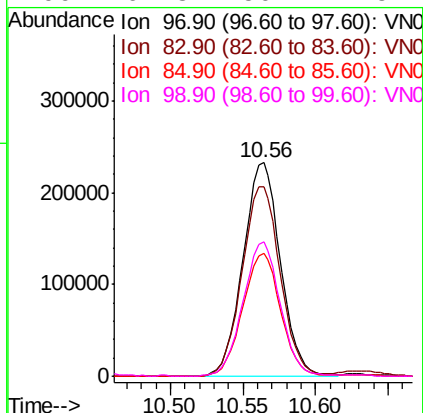
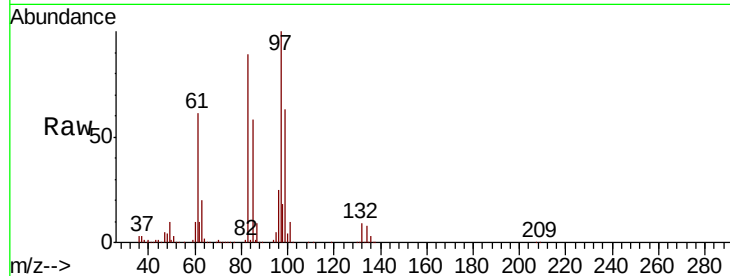




#55
 1,1,2-Trichloroethane
 Concen: 49.969 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

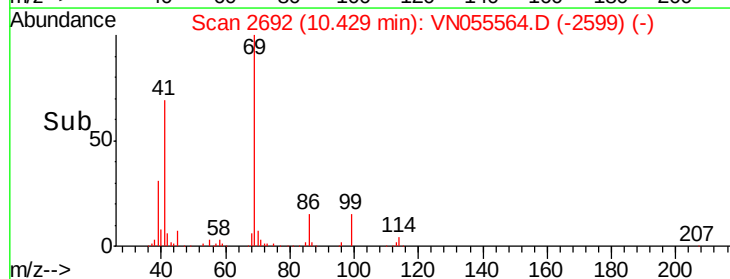
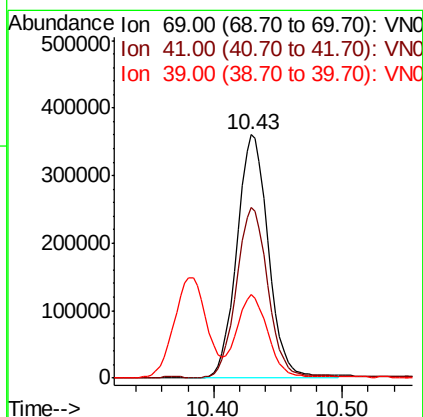
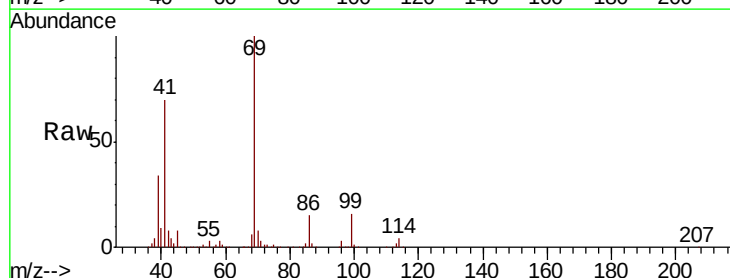
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

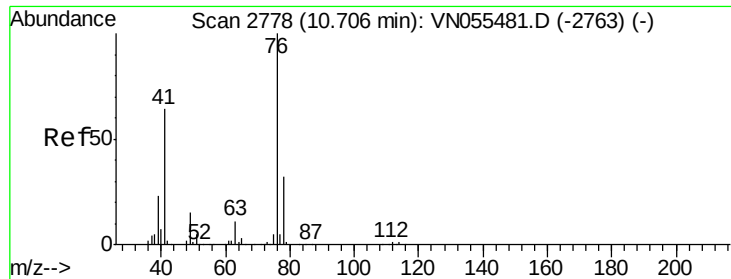
Tot Ion:	97	Resp:	418623
Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.2	109.8
85	57.6	47.5	71.3
99	62.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 49.255 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion:	69	Resp:	613775
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.2	84.2
39	33.4	27.8	41.6





#57

1,3-Dichloropropane

Concen: 49.439 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

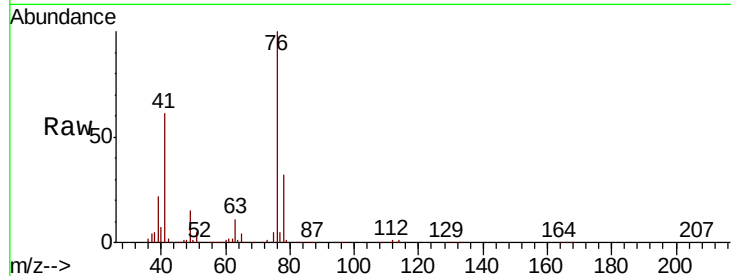
VSTDCCC050EC

Tot Ion: 76 Resp: 735314

Ion Ratio Lower Upper

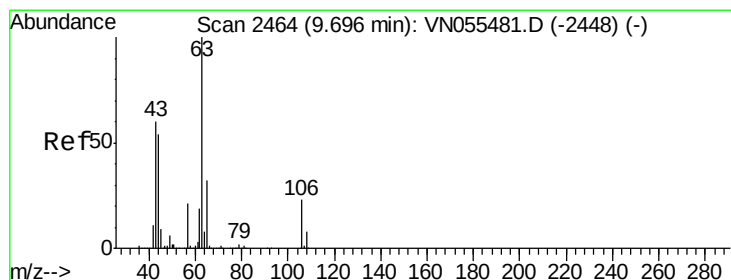
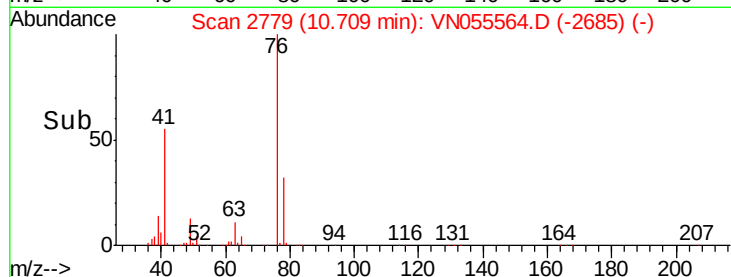
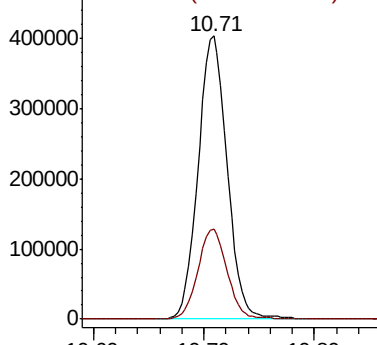
76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 213.614 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055564.D

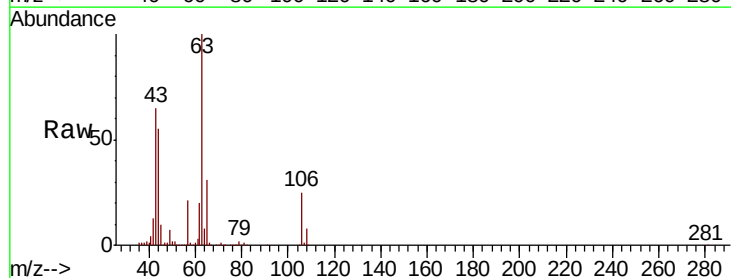
Acq: 10 May 2019 20:19

Tgt Ion: 63 Resp: 888030

Ion Ratio Lower Upper

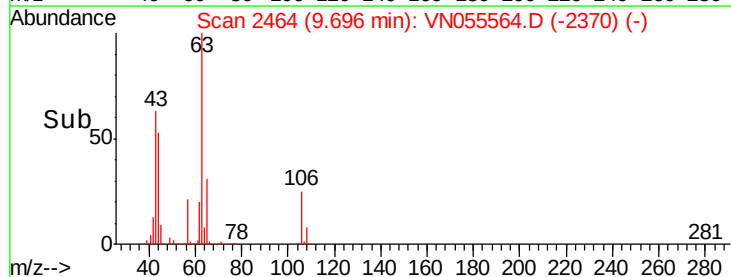
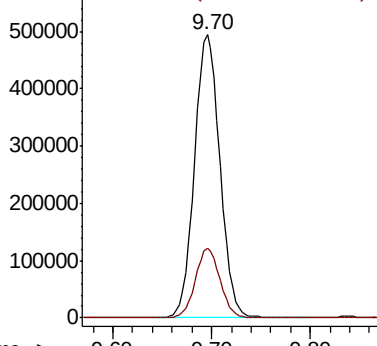
63 100

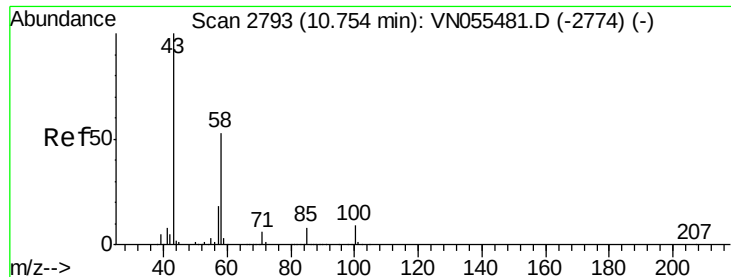
106 23.8 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

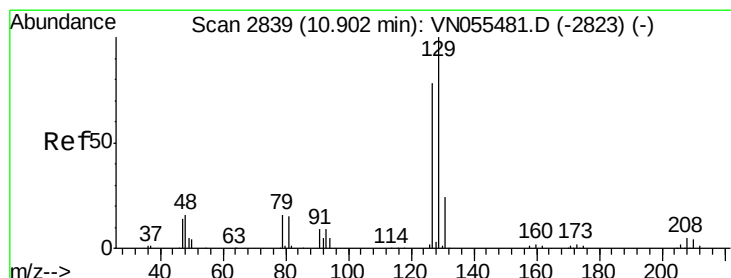
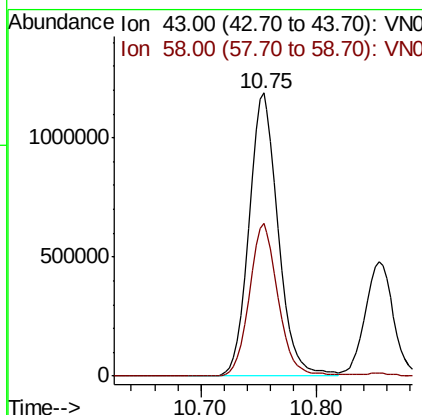
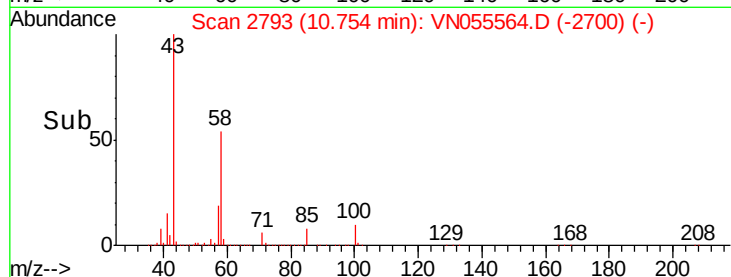
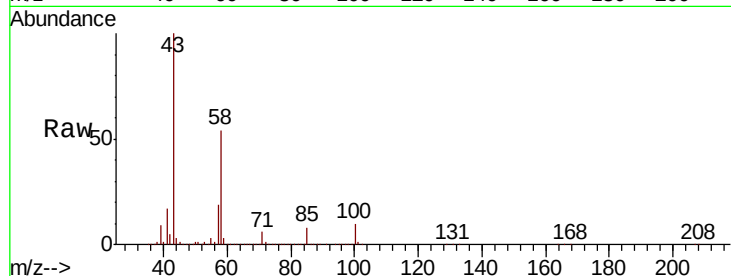




#59
2-Hexanone
Concen: 233.515 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

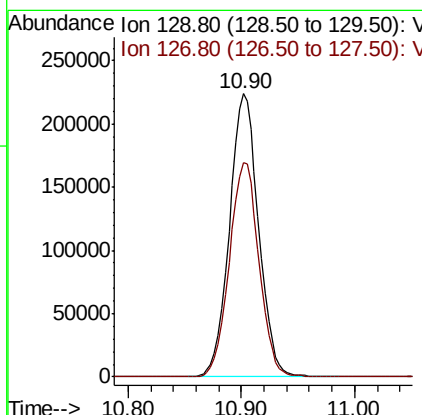
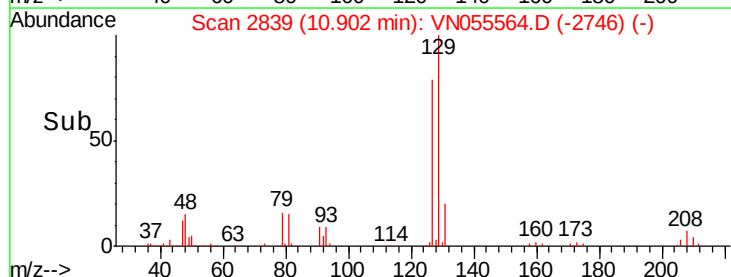
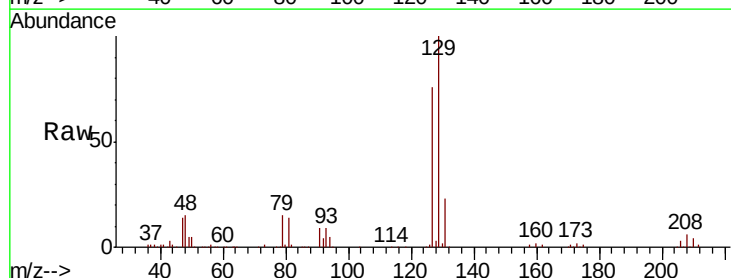
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

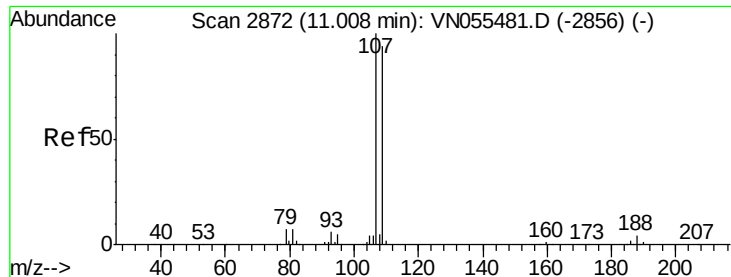
Tot Ion: 43 Resp: 2080074
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0



#60
Dibromochloromethane
Concen: 52.579 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 129 Resp: 400488
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

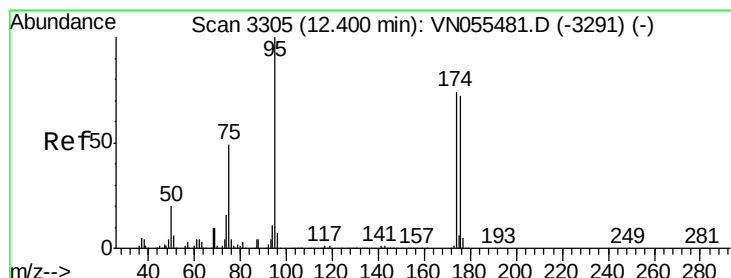
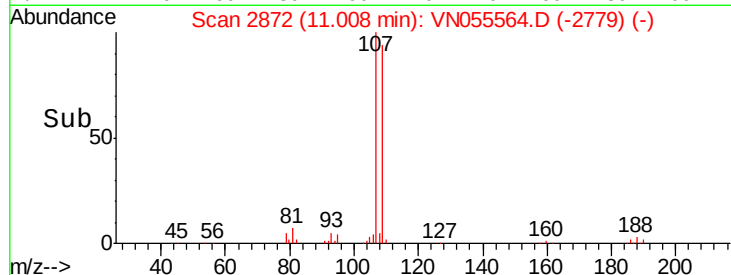
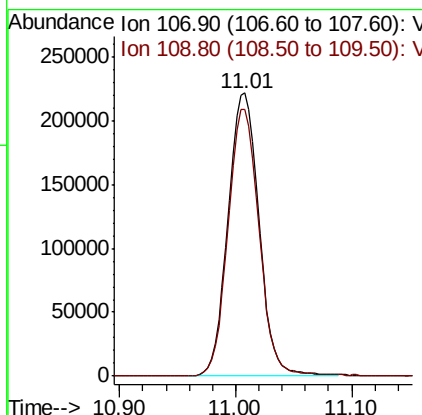
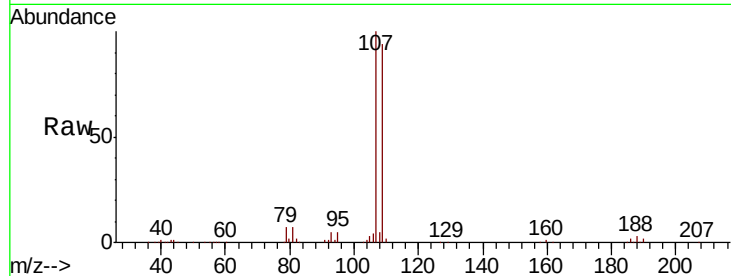




#61
 1,2-Dibromoethane
 Concen: 50.821 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

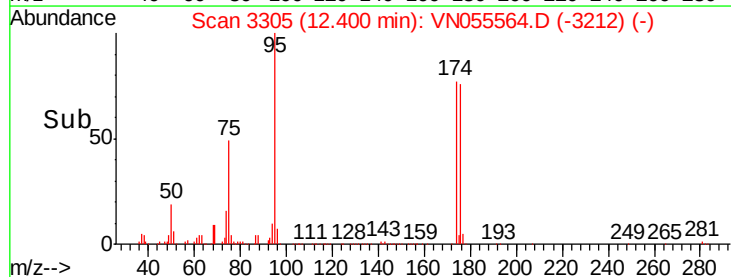
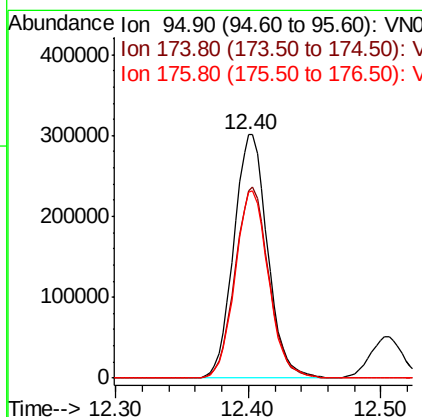
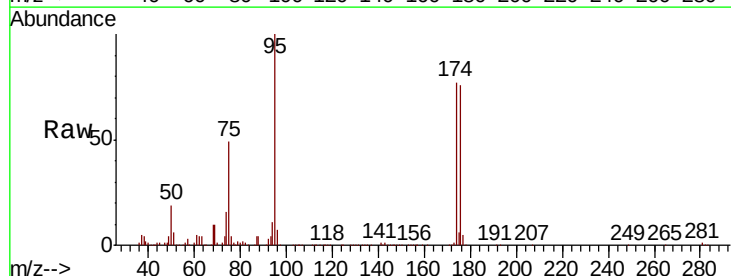
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

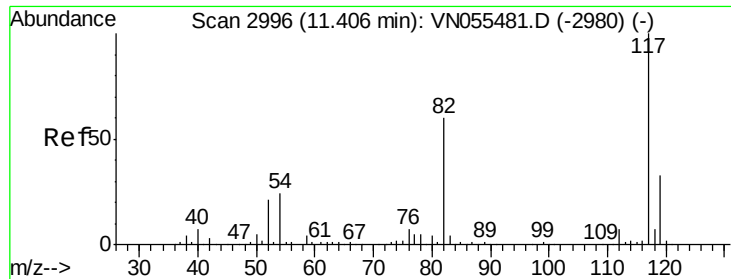
Tot Ion:107 Resp: 409072
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 53.196 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 95 Resp: 533365
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 152.2
 176 76.3 0.0 147.8

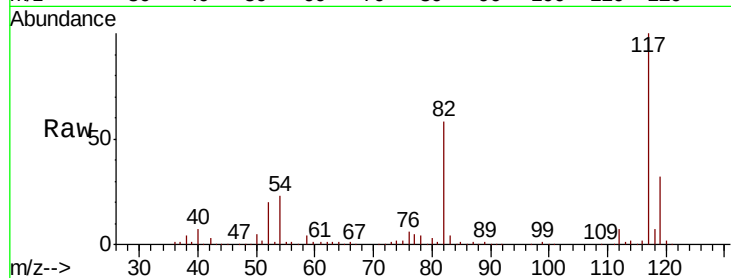




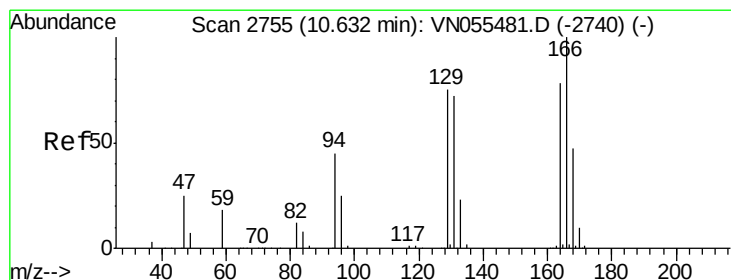
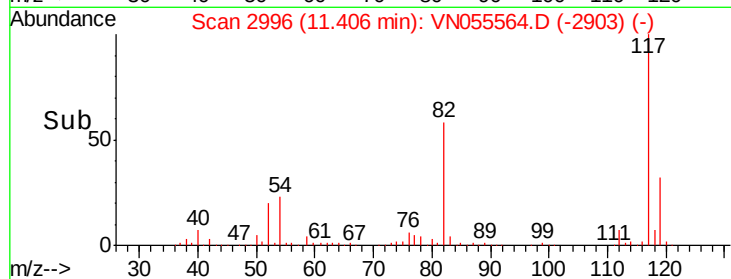
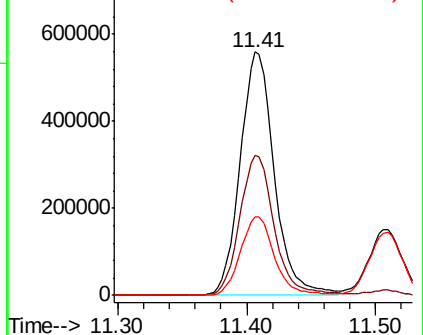
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1031707
Ion Ratio Lower Upper
117 100
82 57.6 48.0 72.0
119 32.4 26.0 39.0

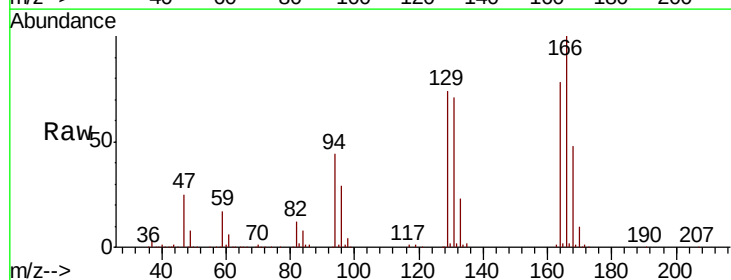


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

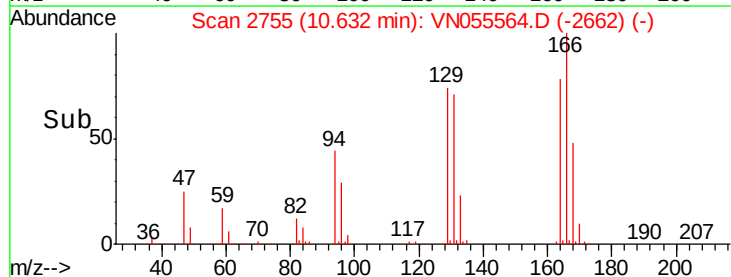
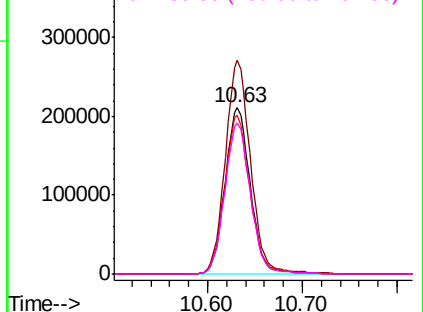


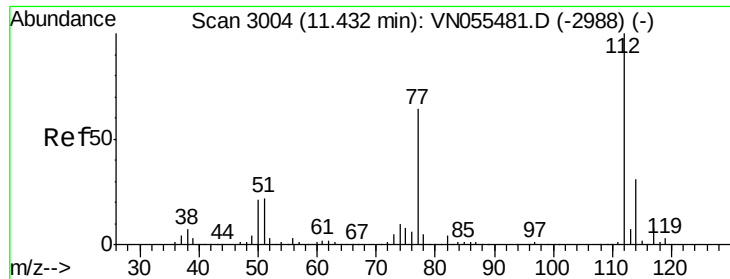
#64
Tetrachloroethene
Concen: 46.521 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:164 Resp: 393283
Ion Ratio Lower Upper
164 100
166 128.7 102.6 153.8
129 95.4 77.0 115.6
131 91.0 73.7 110.5



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

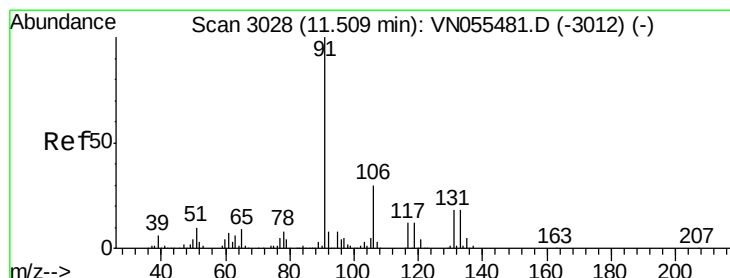
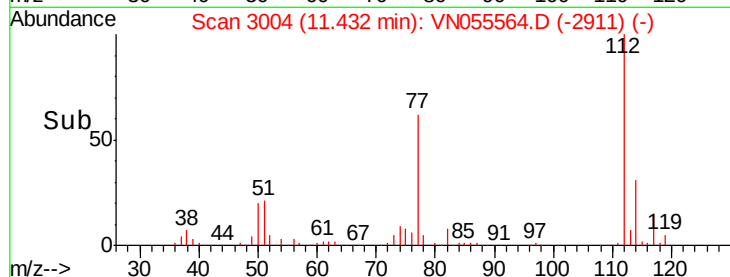
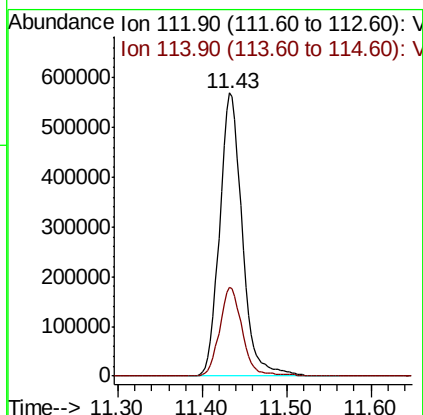
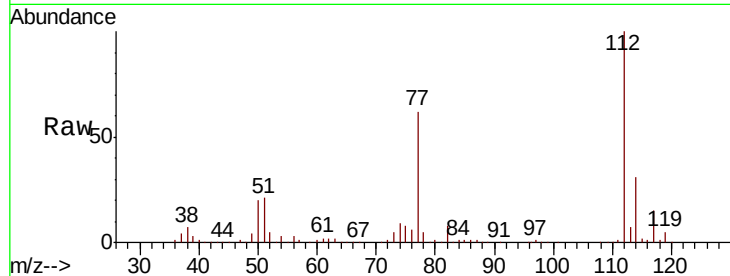




#65
Chlorobenzene
Concen: 49.937 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

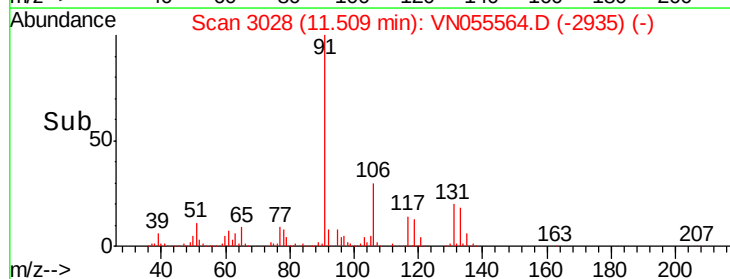
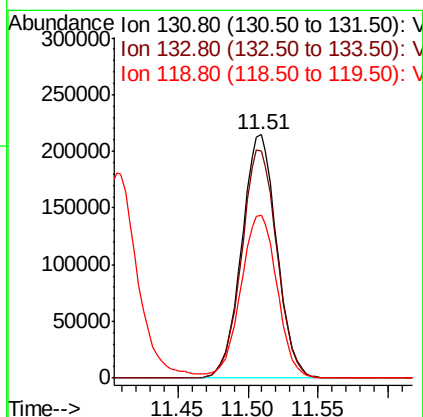
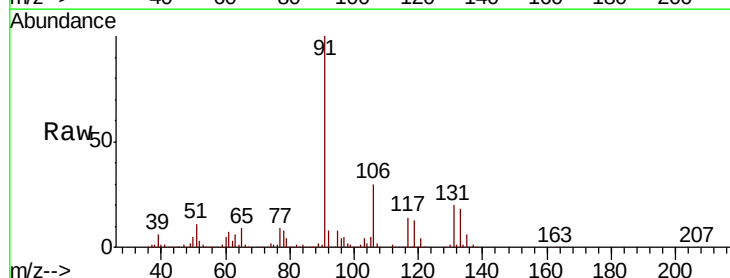
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

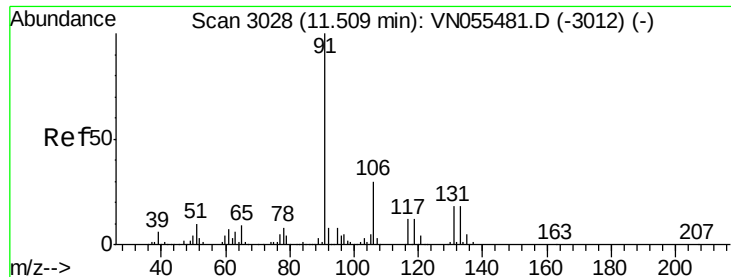
Tot Ion:112 Resp: 1059958
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.180 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:131 Resp: 373989
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.2
119 69.7 34.1 102.2





#67

Ethyl Benzene

Concen: 48.620 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

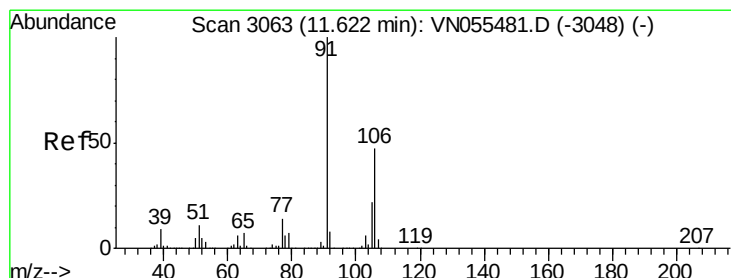
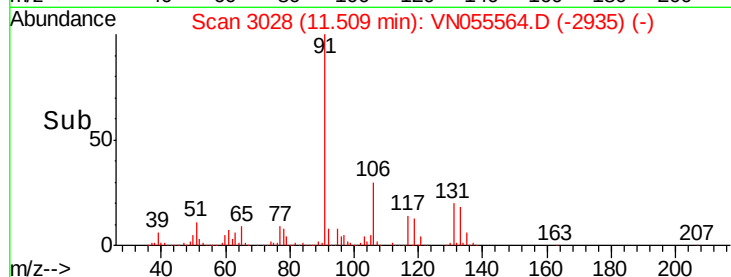
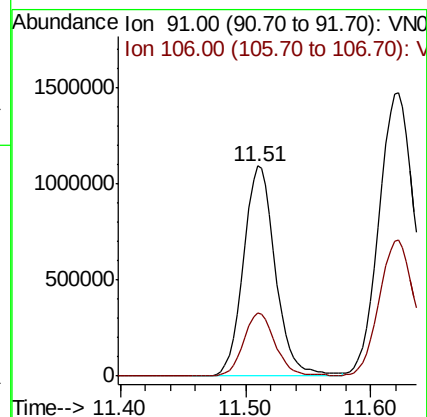
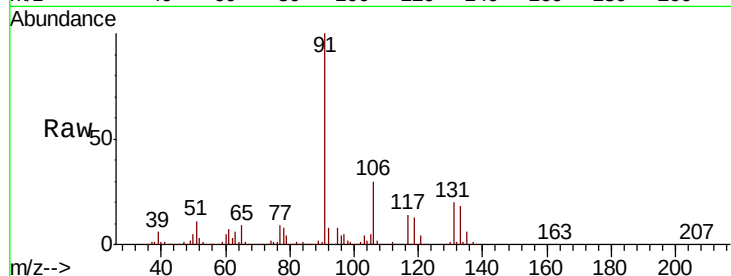
VSTDCCC050EC

Tot Ion: 91 Resp: 1938246

Ion Ratio Lower Upper

91 100

106 30.0 23.8 35.6



#68

m/p-Xylenes

Concen: 99.905 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055564.D

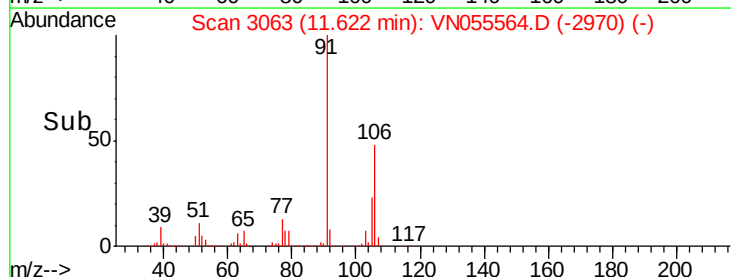
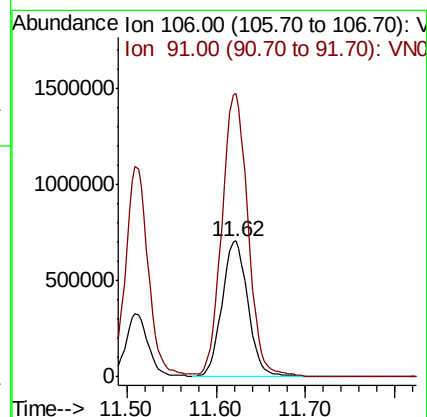
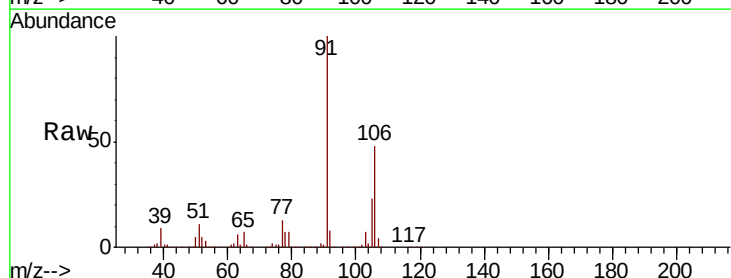
Acq: 10 May 2019 20:19

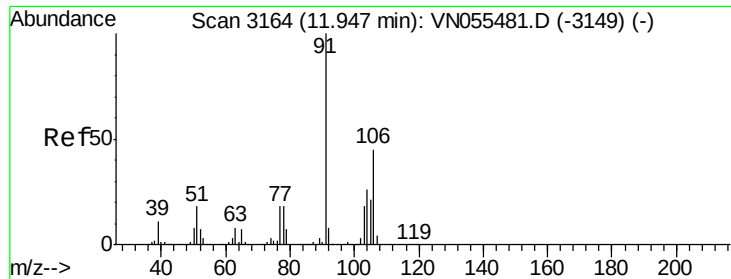
Tgt Ion: 106 Resp: 1429296

Ion Ratio Lower Upper

106 100

91 209.1 169.2 253.8

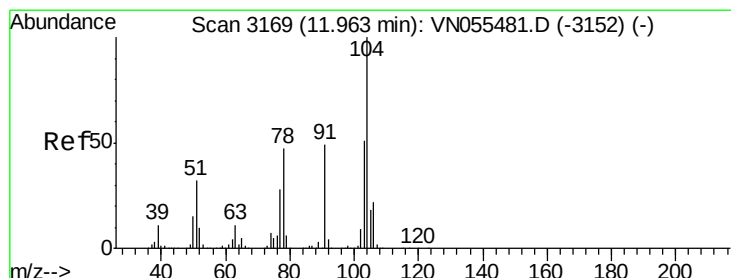
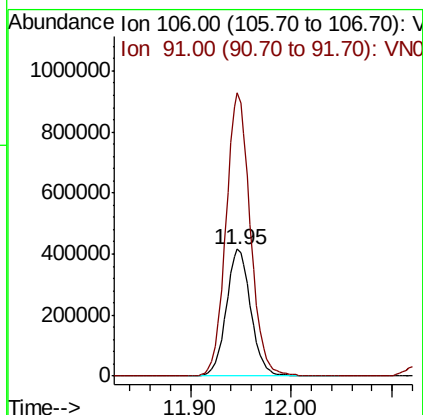
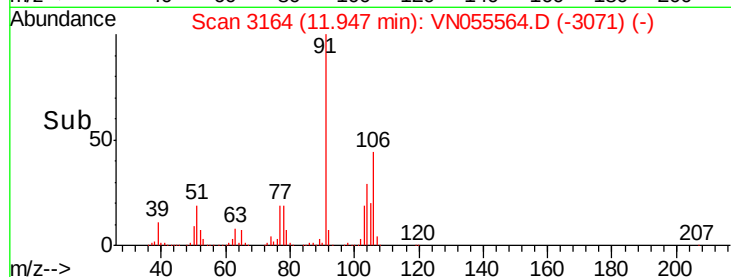
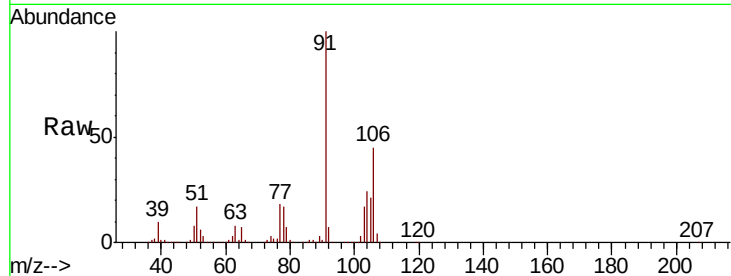




#69
o-Xylene
Concen: 50.192 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

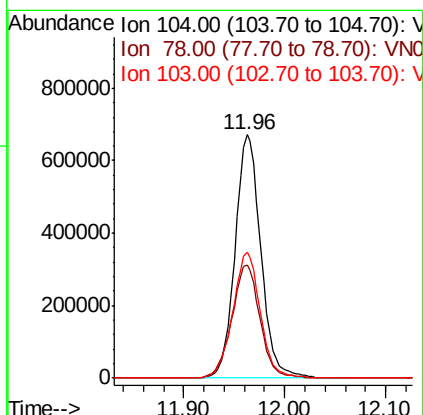
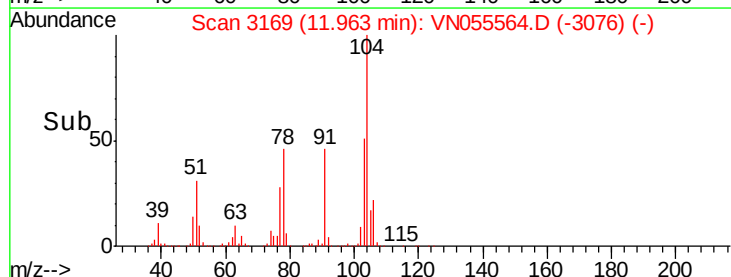
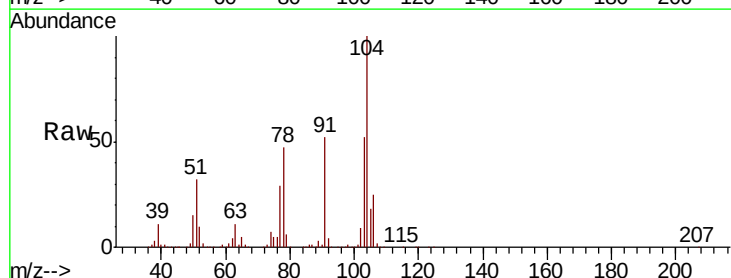
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

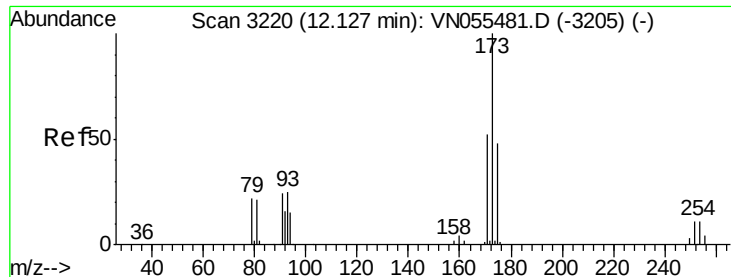
Tot Ion:106 Resp: 705783
Ion Ratio Lower Upper
106 100
91 221.7 111.3 333.8



#70
Styrene
Concen: 52.695 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:104 Resp: 1187132
Ion Ratio Lower Upper
104 100
78 51.1 41.6 62.4
103 55.5 44.4 66.6





#71

Bromoform

Concen: 54.255 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

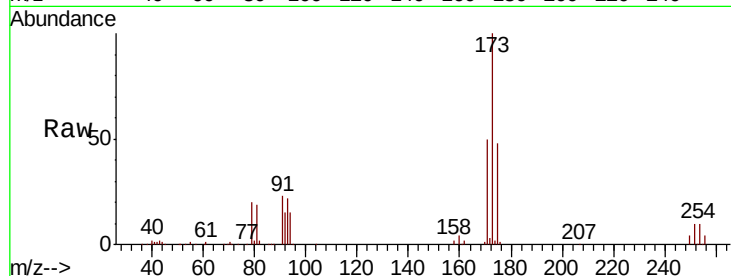
Tot Ion:173 Resp: 267532

Ion Ratio Lower Upper

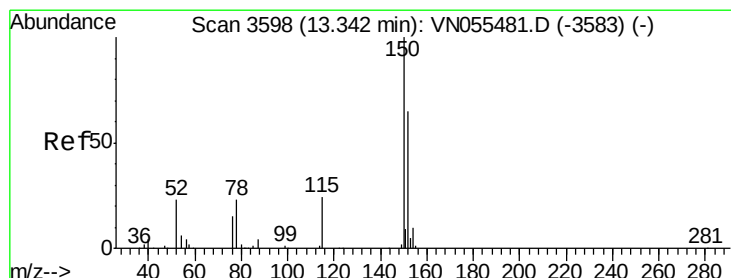
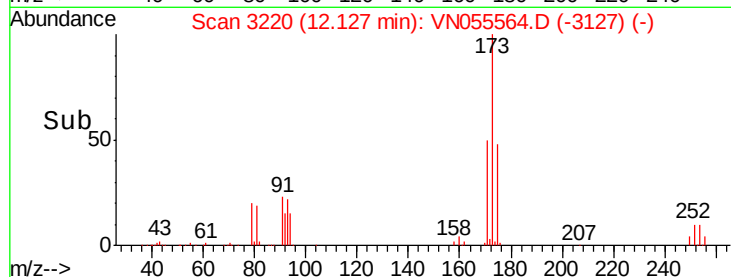
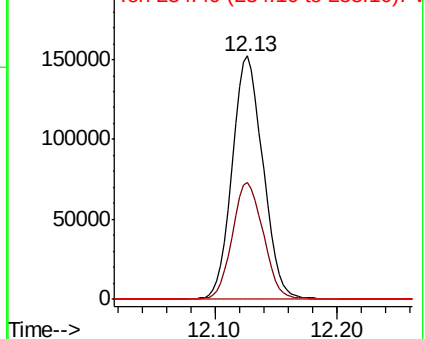
173 100

175 48.3 24.1 72.4

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

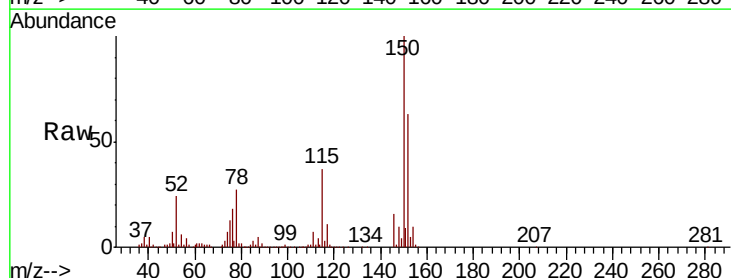
Tgt Ion:152 Resp: 443932

Ion Ratio Lower Upper

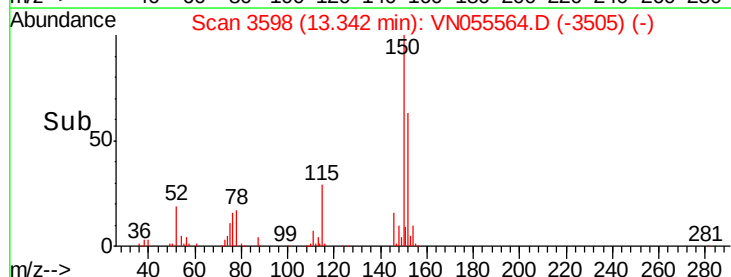
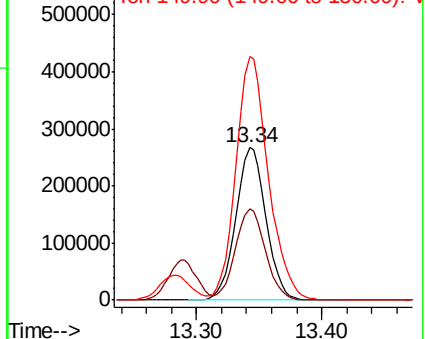
152 100

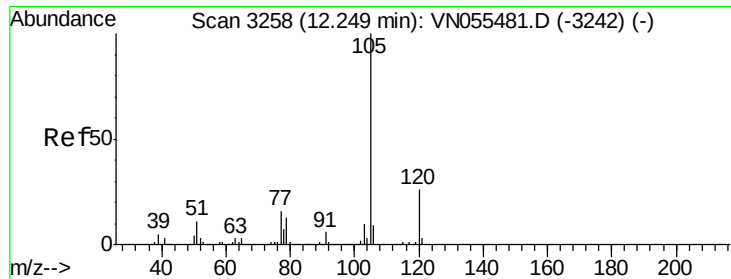
115 59.8 30.1 90.5

150 172.3 0.0 355.0



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





#73

Isopropylbenzene

Concen: 50.913 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

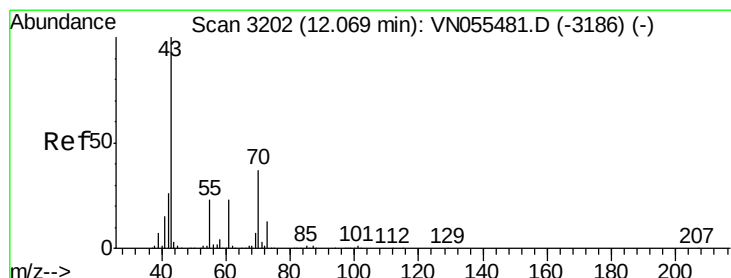
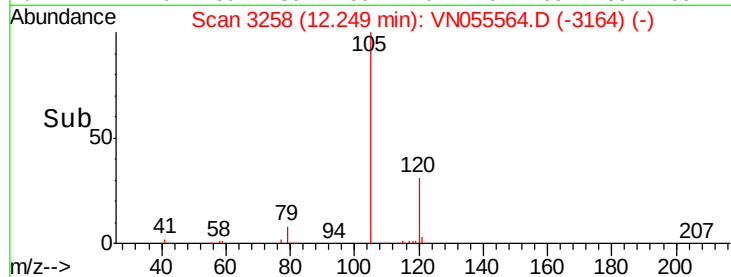
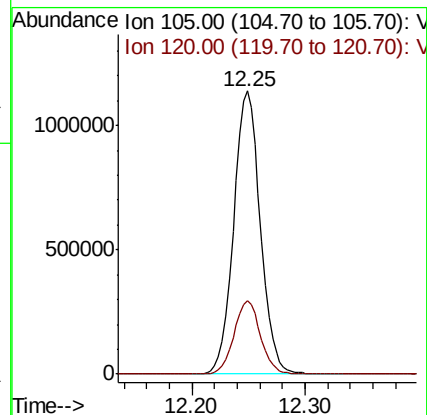
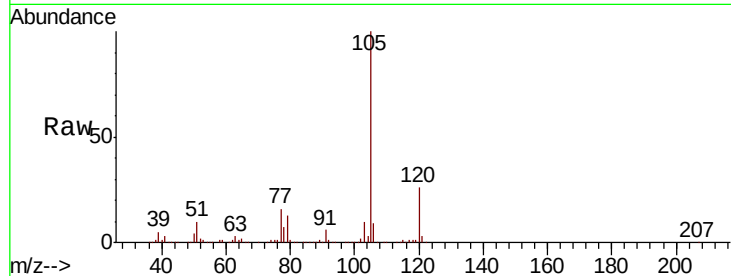
VSTDCCC050EC

Tot Ion:105 Resp: 1862017

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 45.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion: 43 Resp: 762907

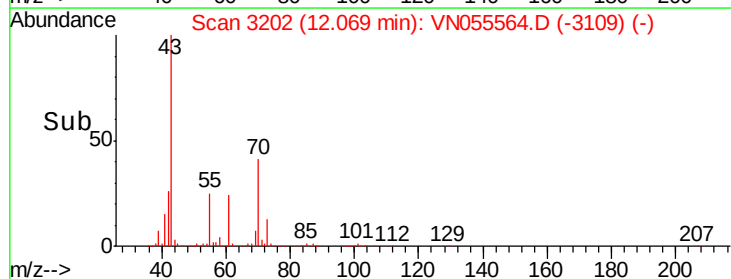
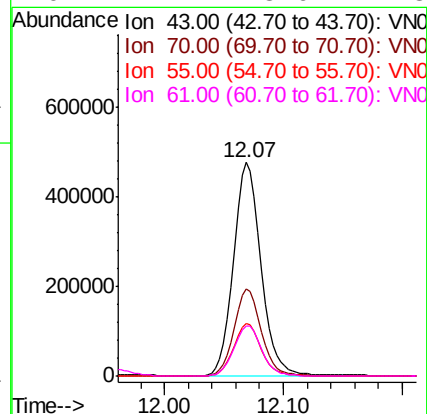
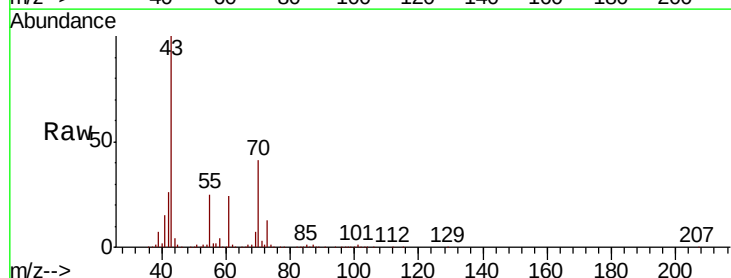
Ion Ratio Lower Upper

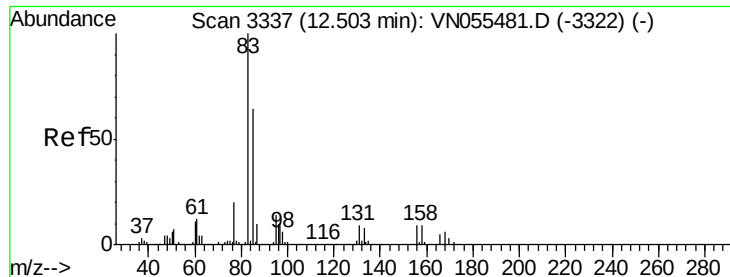
43 100

70 40.7 30.7 46.1

55 24.9 19.3 28.9

61 24.1 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.754 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

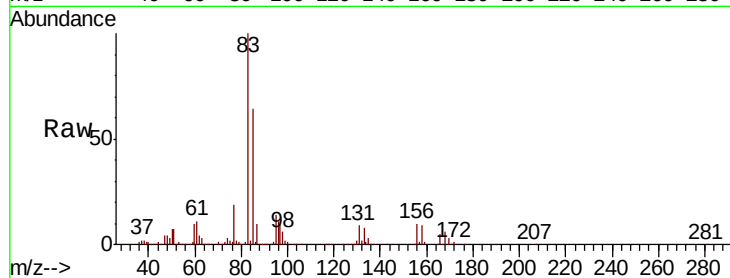
Tot Ion: 83 Resp: 603622

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

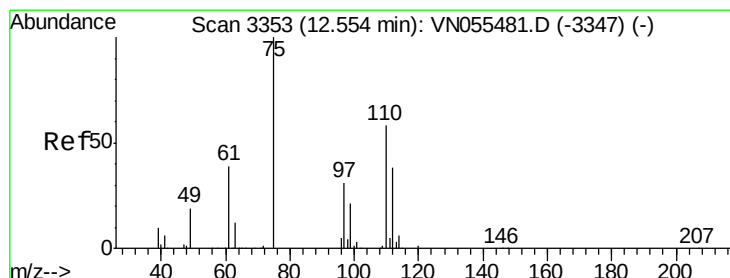
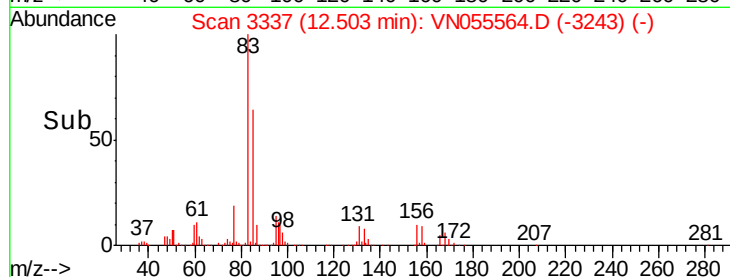
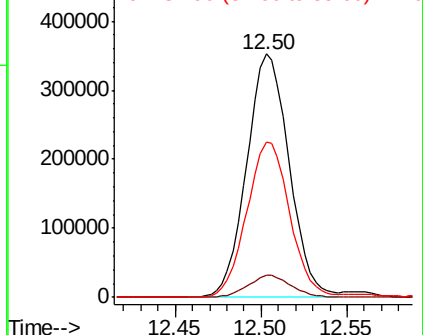
85 64.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 59.096 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055564.D

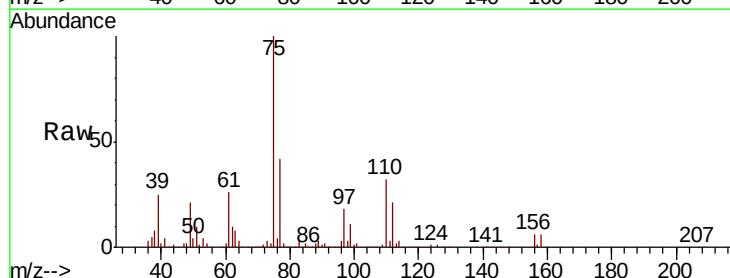
Acq: 10 May 2019 20:19

Tgt Ion: 75 Resp: 714194

Ion Ratio Lower Upper

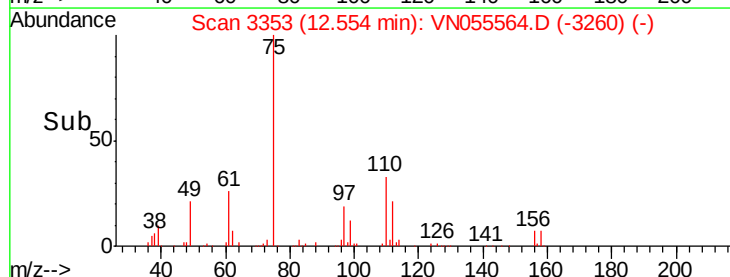
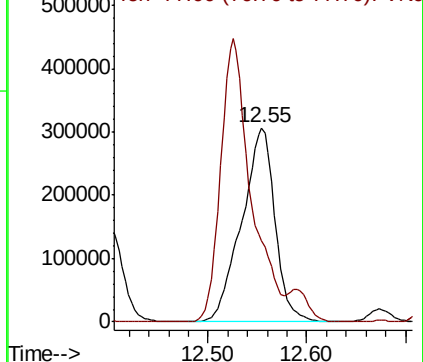
75 100

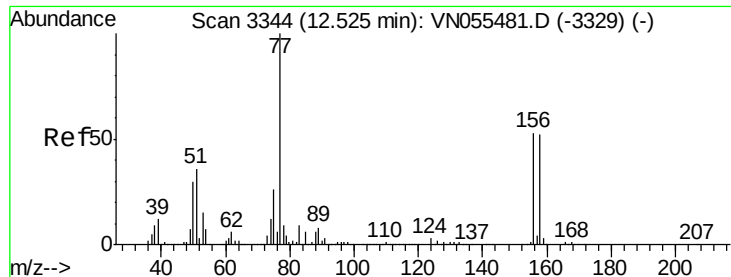
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.900 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

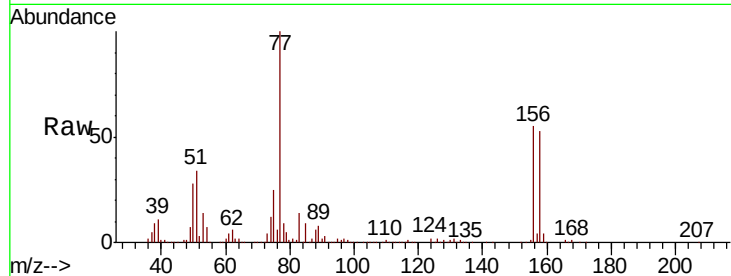
Tot Ion:156 Resp: 439275

Ion Ratio Lower Upper

156 100

77 219.4 115.4 346.2

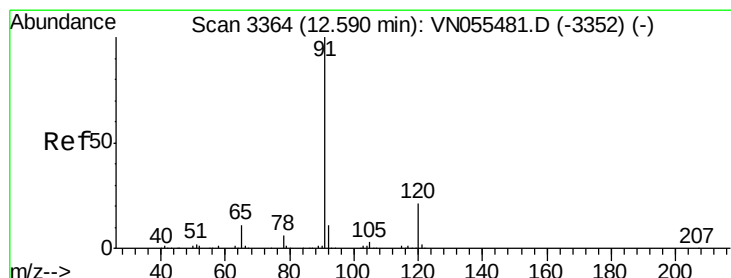
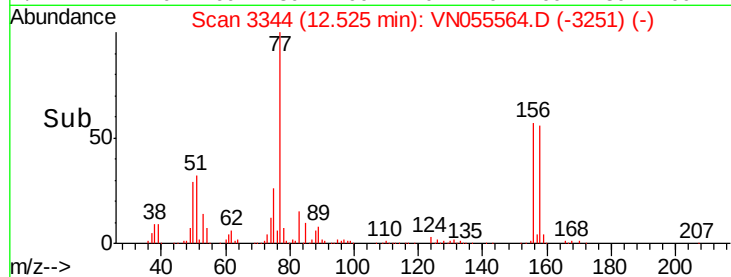
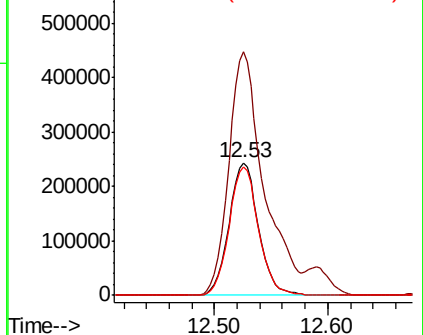
158 96.7 48.7 146.1



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: 44.365 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055564.D

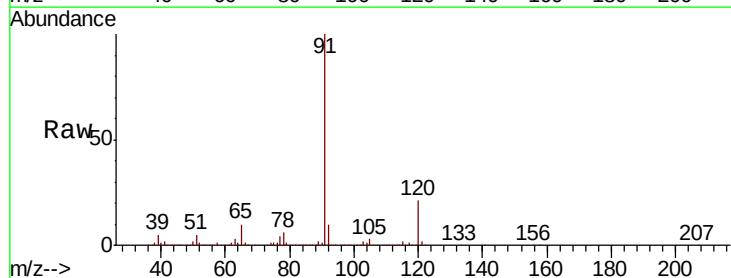
Acq: 10 May 2019 20:19

Tgt Ion: 91 Resp: 2112391

Ion Ratio Lower Upper

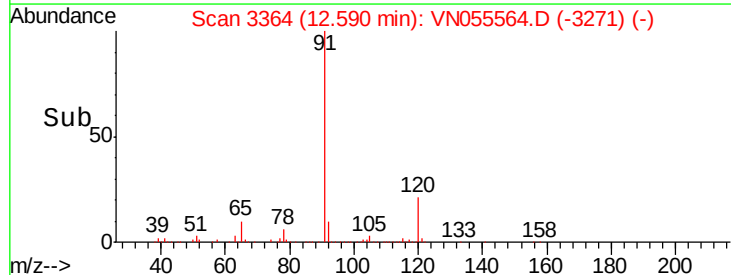
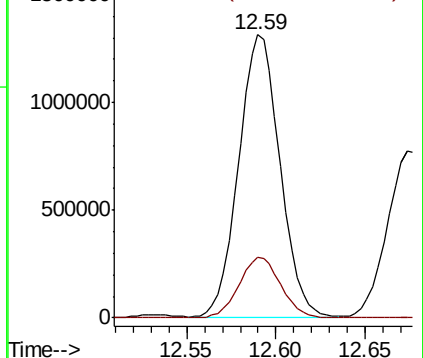
91 100

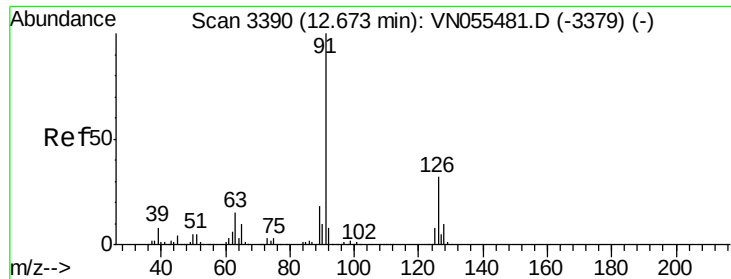
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.728 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

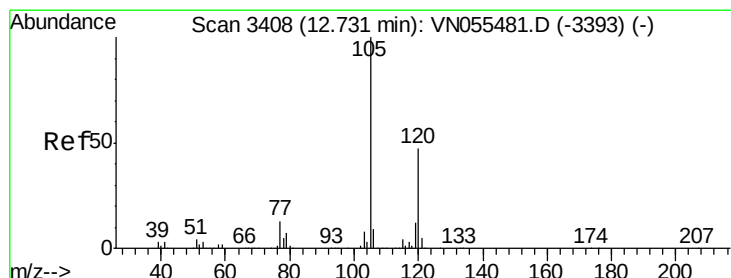
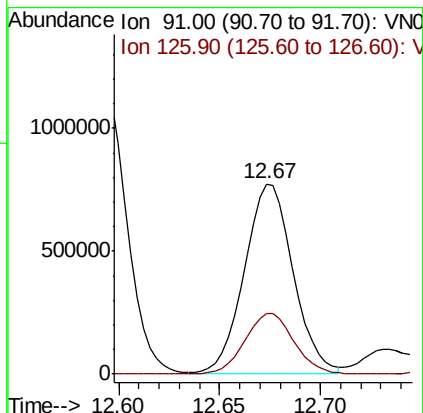
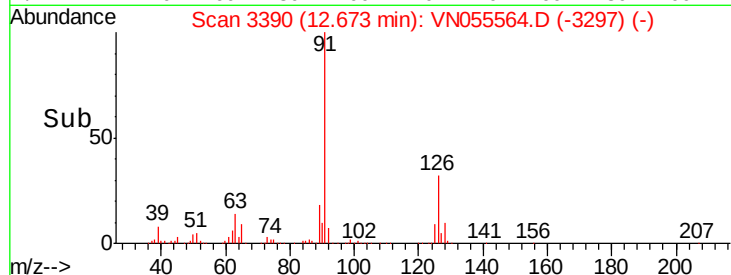
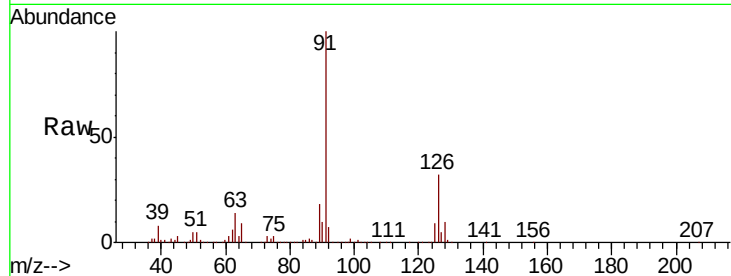
VSTDCCC050EC

Tot Ion: 91 Resp: 1297559

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 44.730 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055564.D

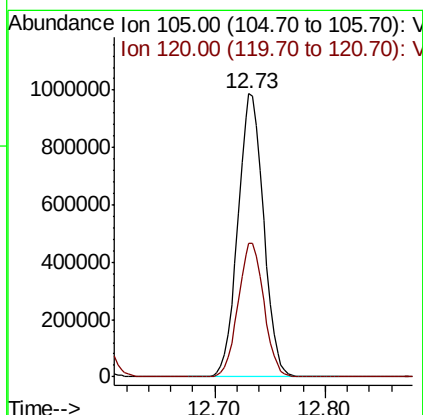
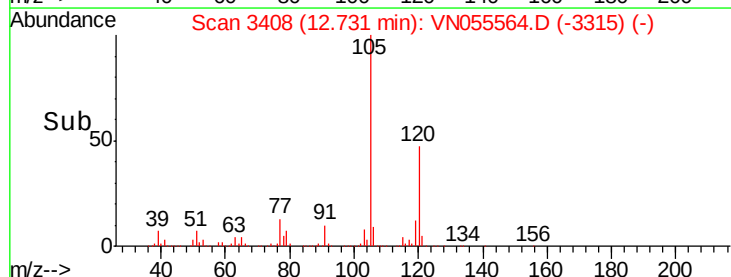
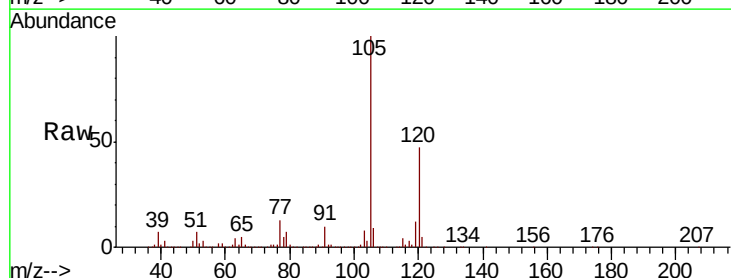
Acq: 10 May 2019 20:19

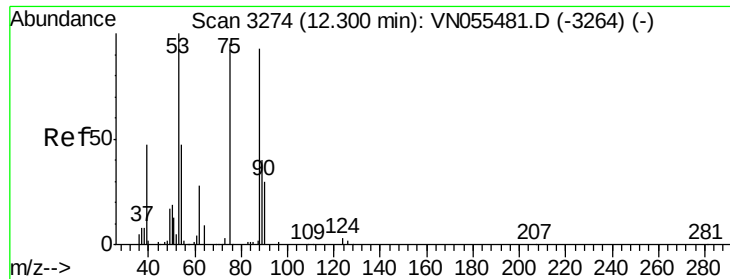
Tgt Ion:105 Resp: 1588071

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.512 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

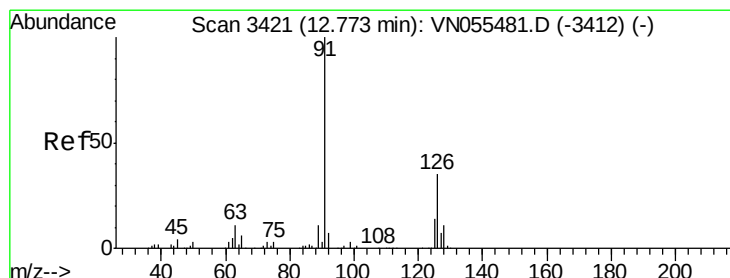
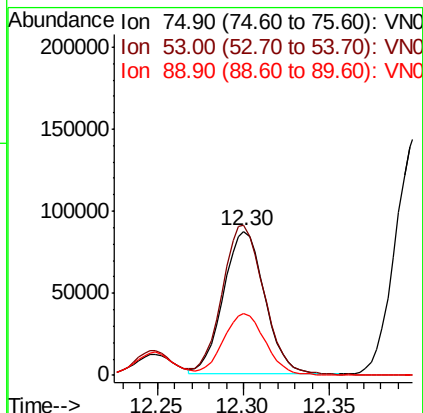
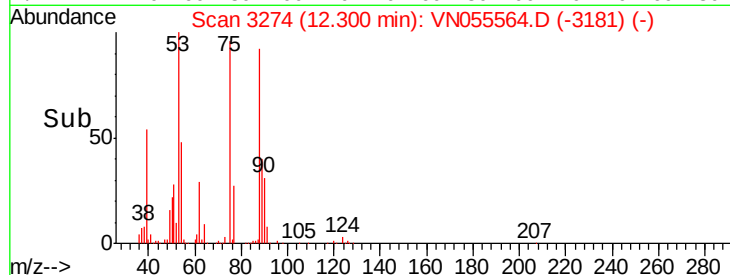
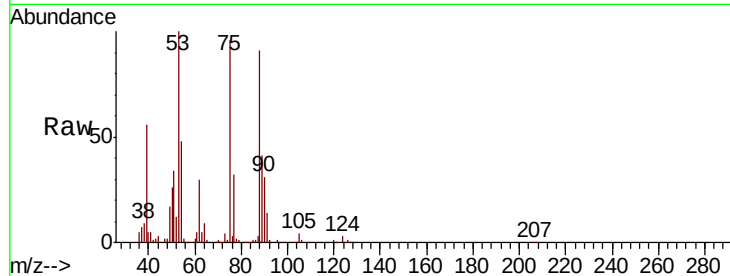
Tot Ion: 75 Resp: 145788

Ion Ratio Lower Upper

75 100

53 106.4 86.5 129.7

89 44.4 35.7 53.5



#82

4-Chlorotoluene

Concen: 45.246 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055564.D

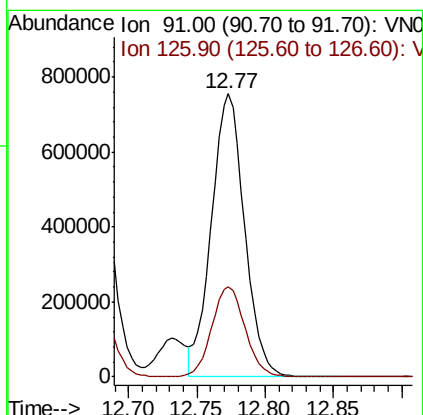
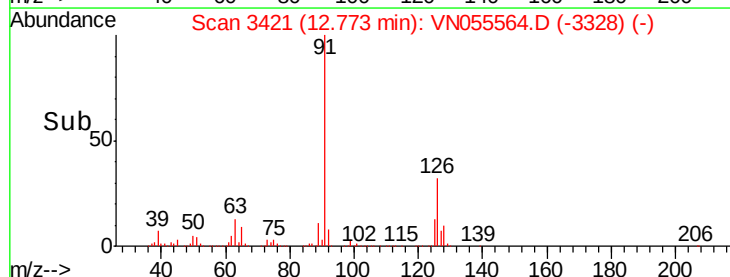
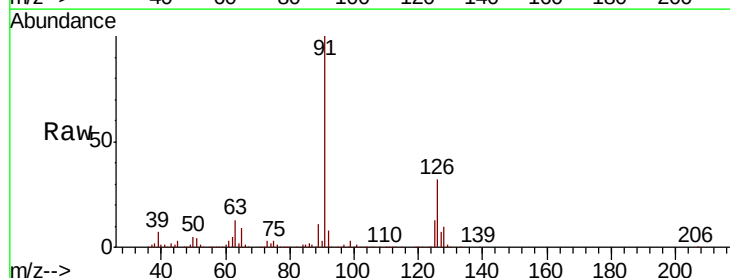
Acq: 10 May 2019 20:19

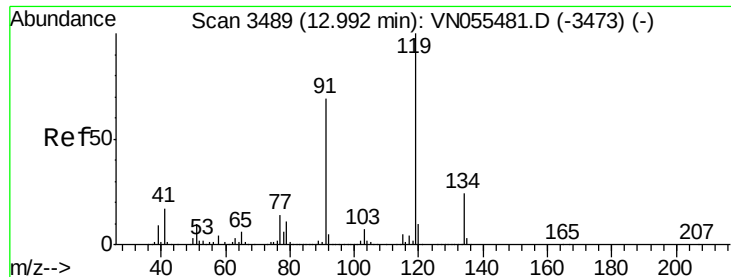
Tgt Ion: 91 Resp: 1268648

Ion Ratio Lower Upper

91 100

126 32.1 15.7 47.0

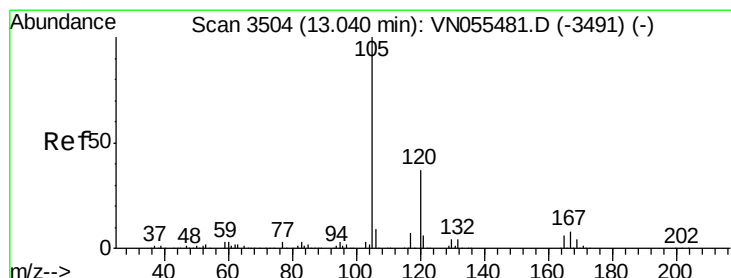
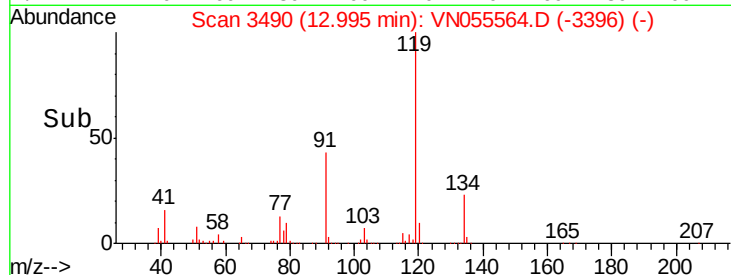
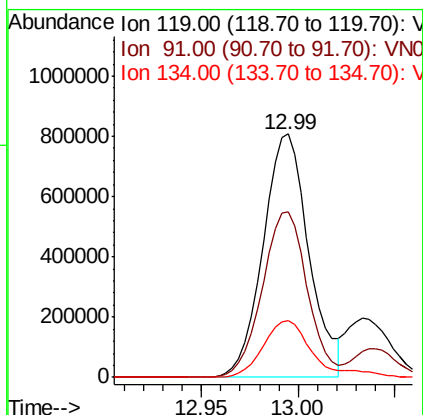
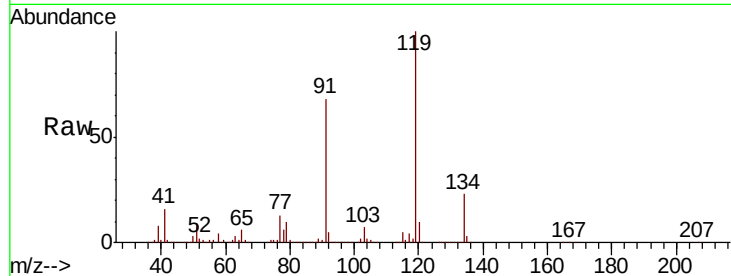




#83
 tert-Butylbenzene
 Concen: 43.861 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

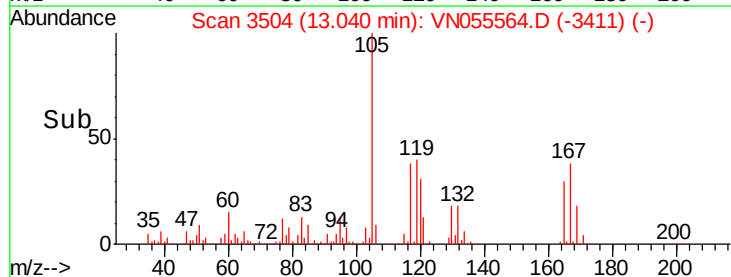
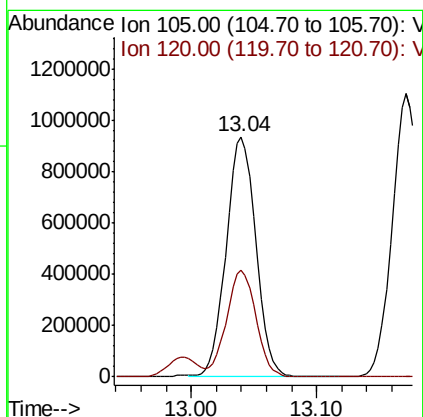
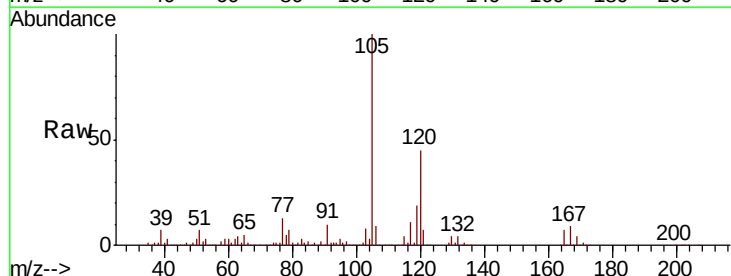
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

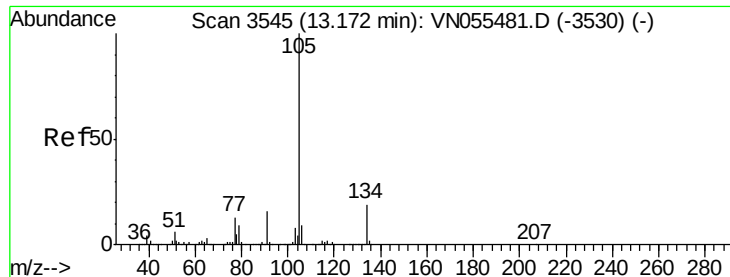
Tot Ion:119 Resp: 1334770
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.8 101.3
 134 25.3 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.187 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion:105 Resp: 1536472
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 43.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

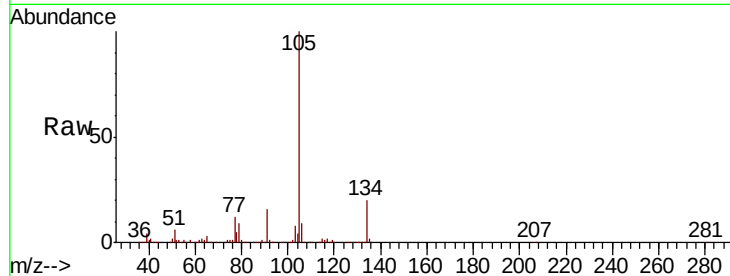
VSTDCCC050EC

Tot Ion:105 Resp: 1758195

Ion Ratio Lower Upper

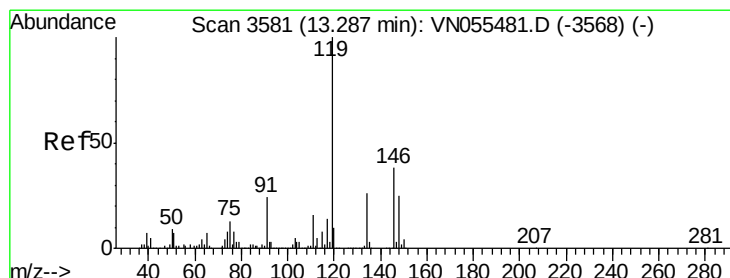
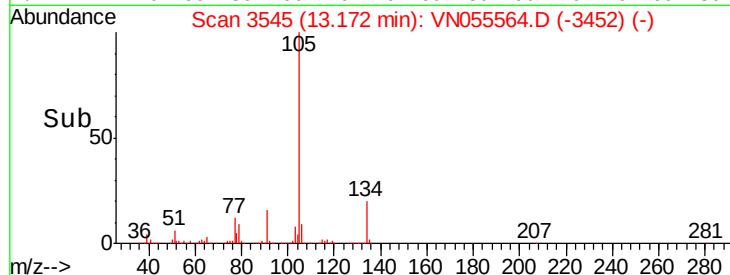
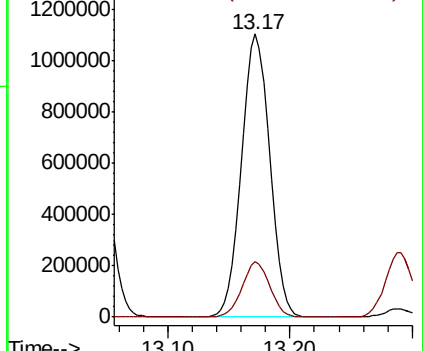
105 100

134 19.1 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.416 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

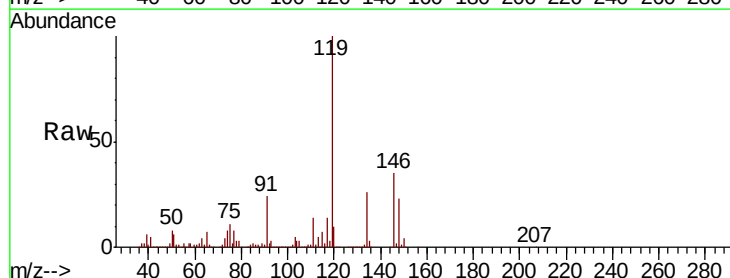
Tgt Ion:119 Resp: 1494890

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

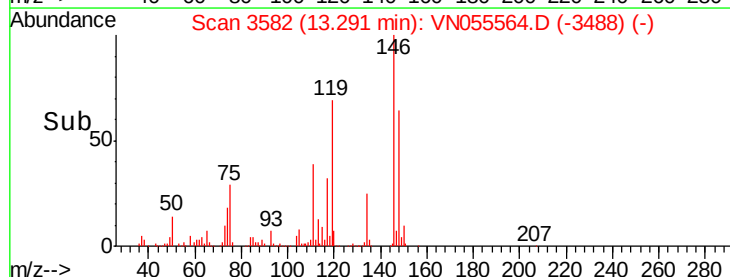
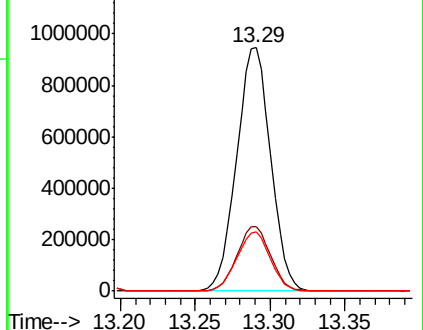
91 23.9 12.0 36.0

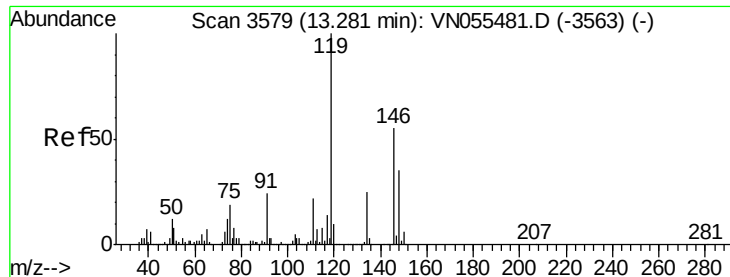


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

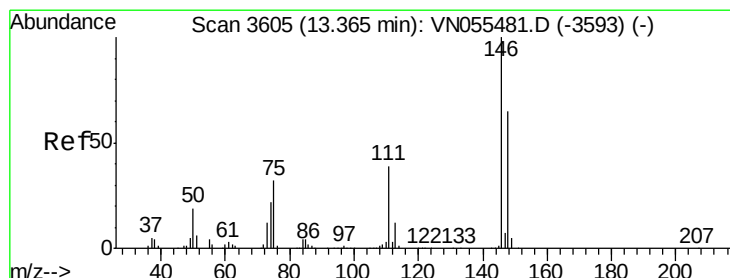
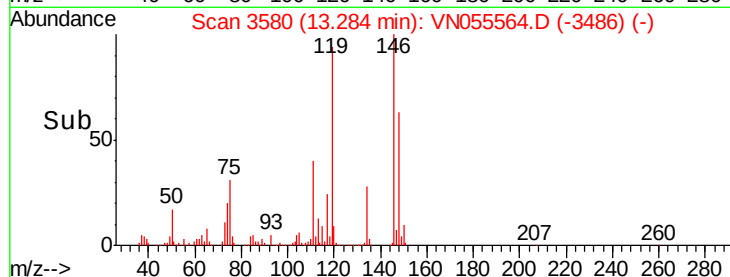
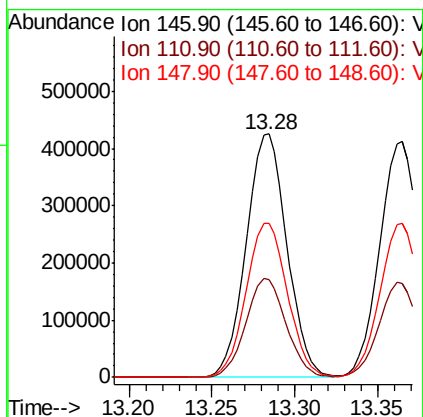
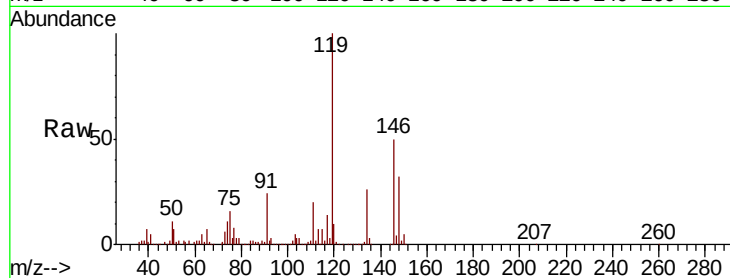




#87
 1,3-Dichlorobenzene
 Concen: 48.015 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

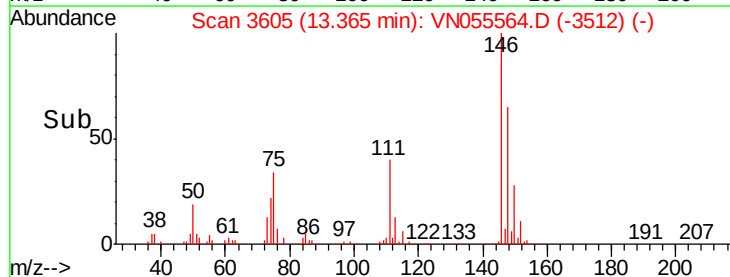
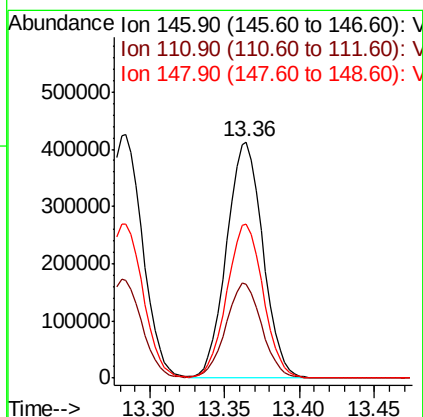
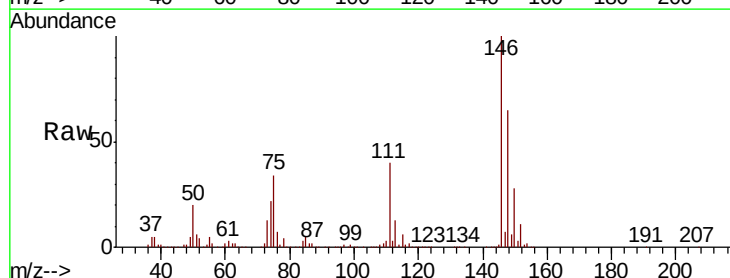
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

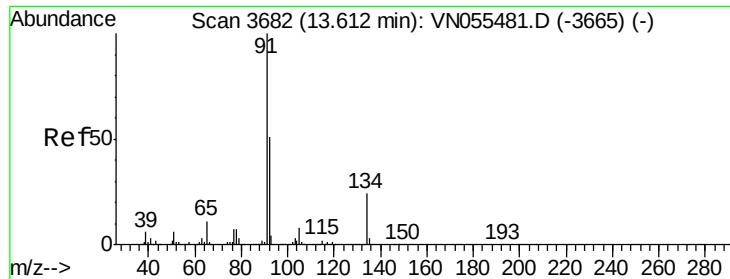
Tot Ion:146 Resp: 725860
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.3
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.775 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion:146 Resp: 697852
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.8
 148 65.5 32.5 97.4

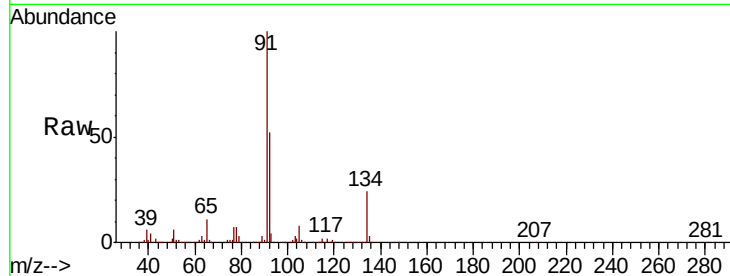




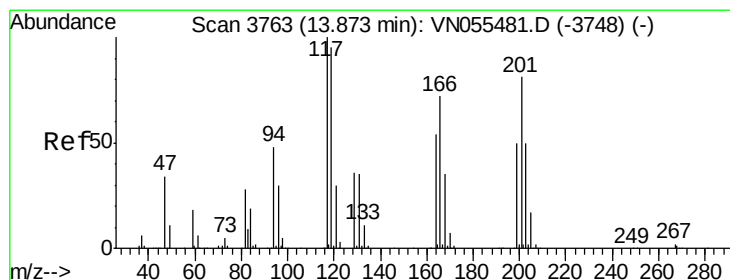
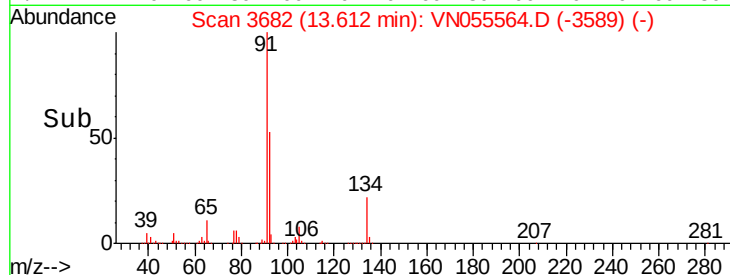
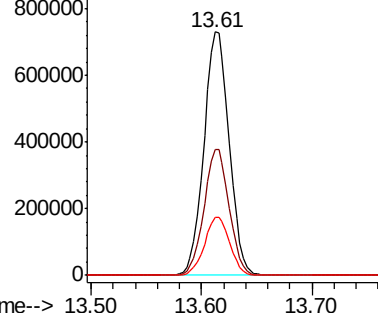
#89
n-Butylbenzene
Concen: 45.328 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1156463
Ion Ratio Lower Upper
91 100
92 51.4 25.9 77.7
134 23.9 11.8 35.4

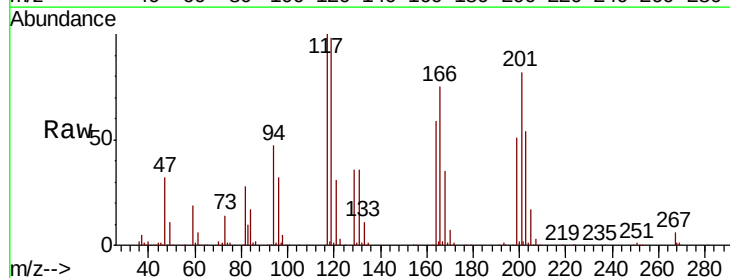


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)
Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)
Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

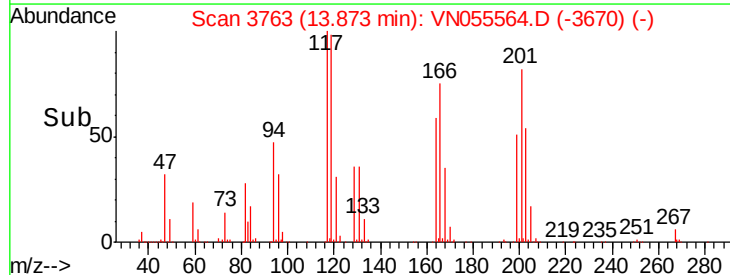
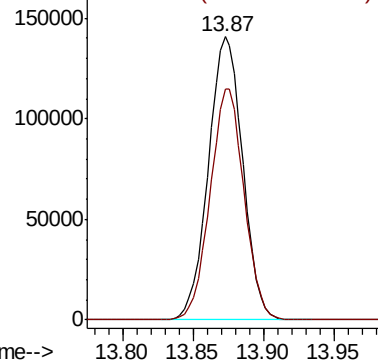


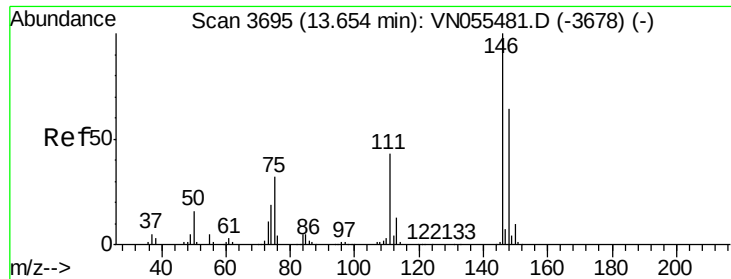
#90
Hexachloroethane
Concen: 44.639 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 117 Resp: 239680
Ion Ratio Lower Upper
117 100
201 80.8 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)
Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

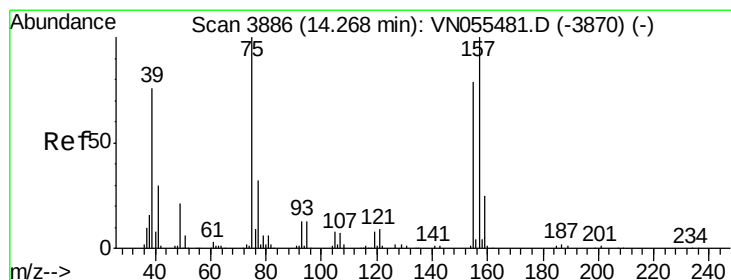
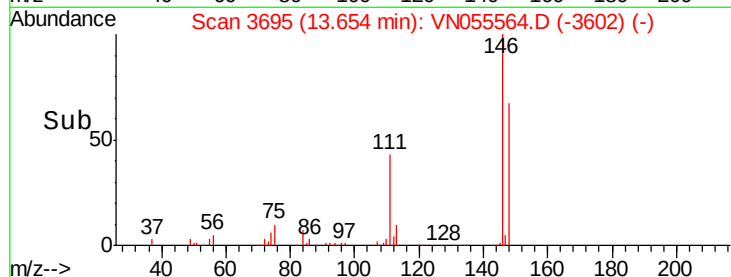
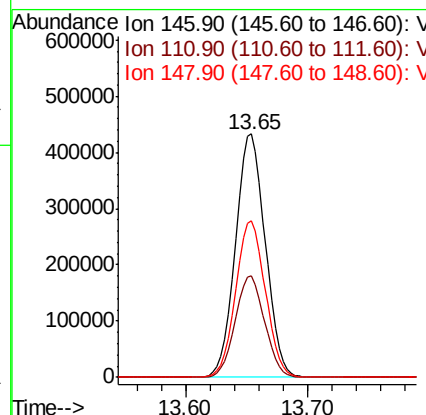
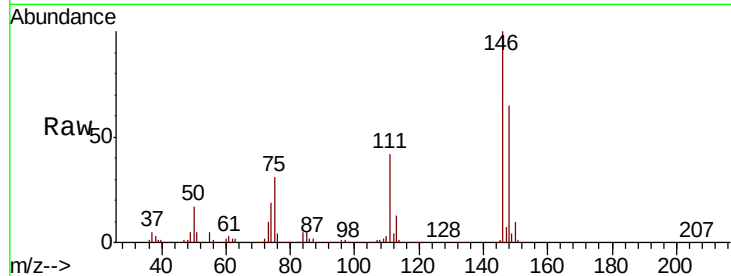




#91
 1,2-Dichlorobenzene
 Concen: 48.614 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

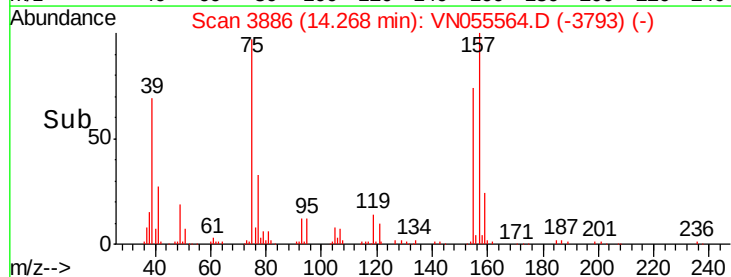
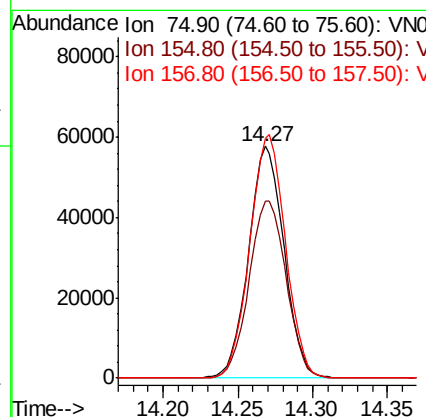
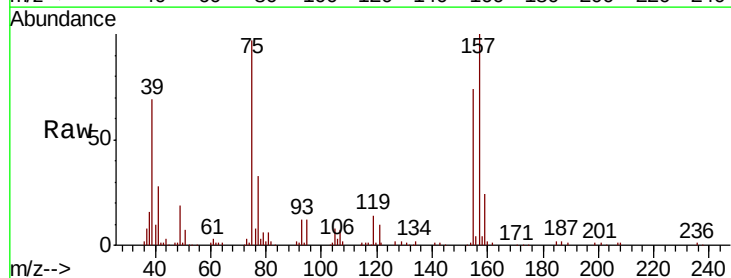
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

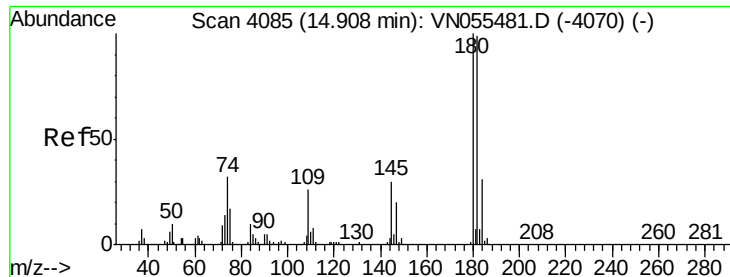
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.676 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	39.3	117.8
157	105.4	50.6	151.8

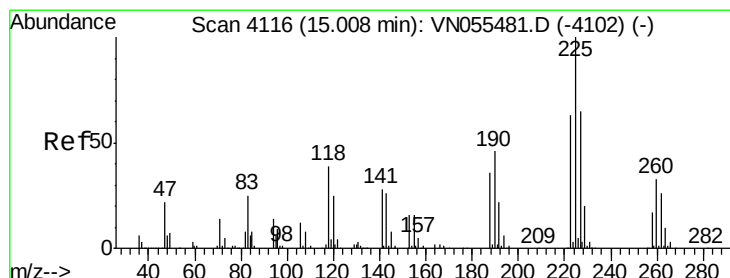
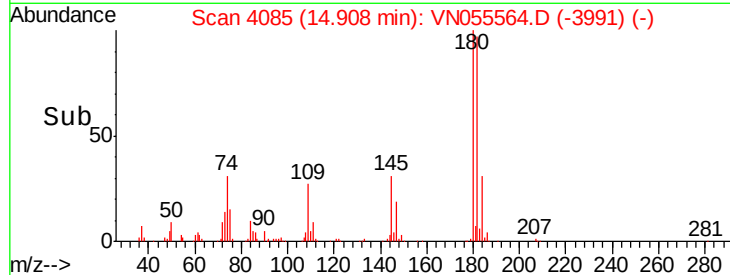
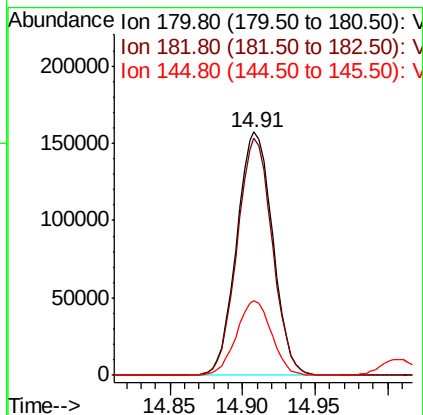
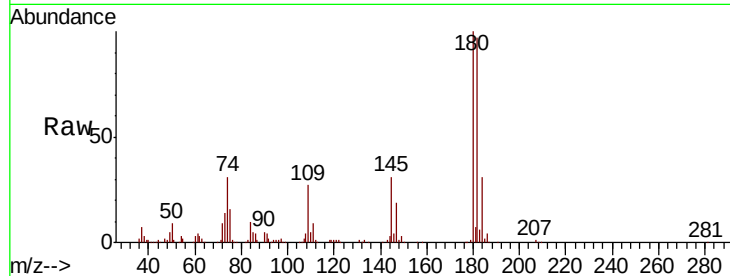




#93
 1,2,4-Trichlorobenzene
 Concen: 41.718 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

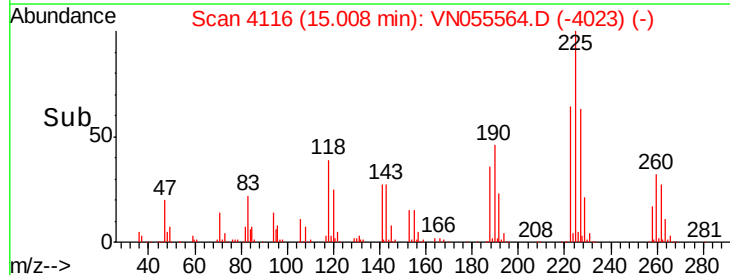
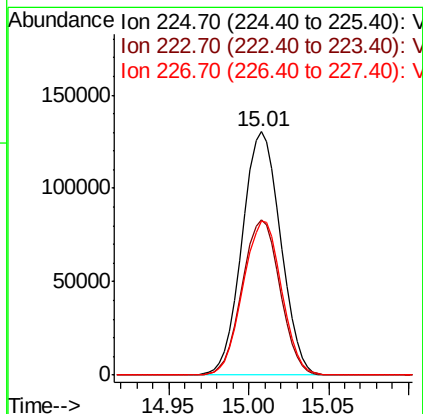
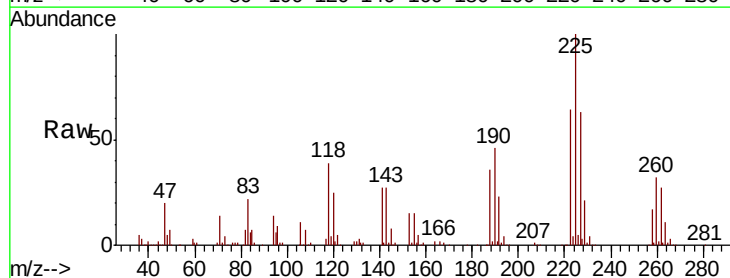
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

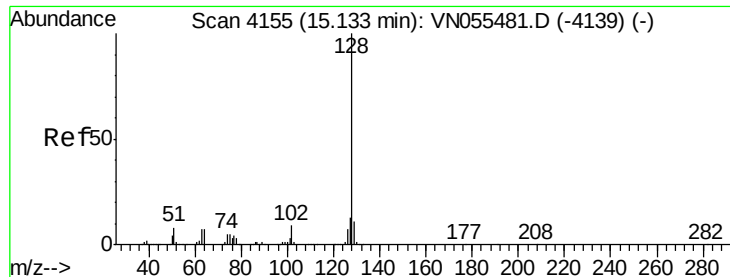
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.7	146.1
145	30.0	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 47.702 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.3
227	63.6	32.0	96.0

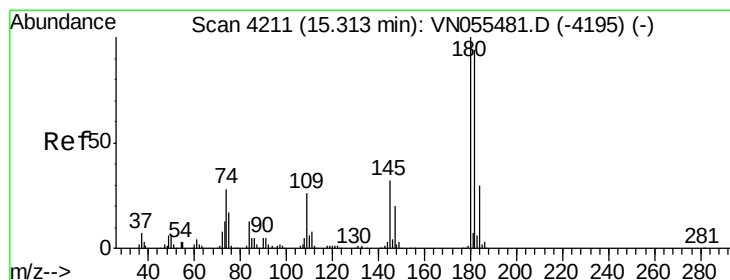
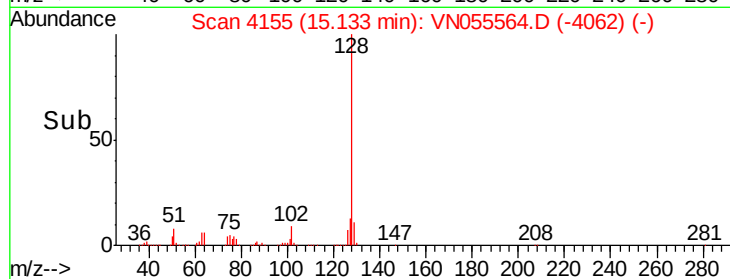
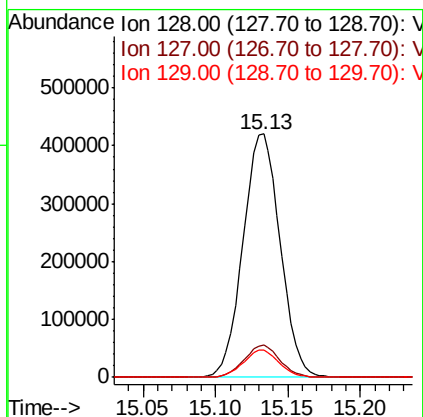
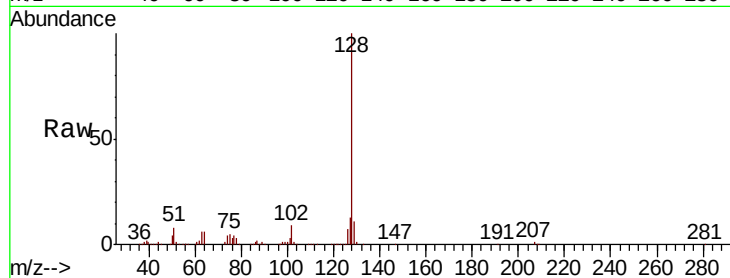




#95
Naphthalene
Concen: 41.115 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 750757
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 43.123 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:180 Resp: 304708
Ion Ratio Lower Upper
180 100
182 94.1 47.1 141.3
145 31.5 15.8 47.4

