

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054819.D
 Acq On : 30 Mar 2019 23:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 04:42:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	418748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	721143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	305101	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	237925	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	882564	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	295736	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200405	47.314	ug/l	97
3) Chloromethane	2.06	50	283243	48.363	ug/l	99
4) Vinyl Chloride	2.19	62	260167	49.468	ug/l	99
5) Bromomethane	2.57	94	123863	44.681	ug/l	98
6) Chloroethane	2.71	64	143425	48.838	ug/l	100
7) Trichlorofluoromethane	3.02	101	329225	50.917	ug/l	99
8) Diethyl Ether	3.41	74	112949	54.249	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167223	49.128	ug/l	93
10) Methyl Iodide	3.94	142	185836	39.881	ug/l #	89
11) Tert butyl alcohol	4.83	59	108071	367.456	ug/l	100
12) 1,1-Dichloroethene	3.73	96	171879	52.217	ug/l #	75
13) Acrolein	3.61	56	75853	288.496	ug/l	97
14) Allyl chloride	4.31	41	413818	51.040	ug/l #	91
15) Acrylonitrile	5.00	53	511200	312.711	ug/l	100
16) Acetone	3.82	43	360806	268.039	ug/l #	82
17) Carbon Disulfide	4.04	76	453143	42.445	ug/l	99
18) Methyl Acetate	4.33	43	237644	68.113	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	668294	58.042	ug/l	95
20) Methylene Chloride	4.55	84	249171	52.477	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	229276	53.030	ug/l	87
22) Diisopropyl ether	5.96	45	903194	56.324	ug/l #	94
23) Vinyl Acetate	5.90	43	3409220	305.506	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	462698	54.091	ug/l	99
25) 2-Butanone	6.85	43	660598	331.995	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	224736	37.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	267832	54.837	ug/l	91
28) Bromochloromethane	7.19	49	240703	56.274	ug/l #	71
29) Tetrahydrofuran	7.22	42	452056	327.102	ug/l #	83
30) Chloroform	7.37	83	452030	55.419	ug/l	99
31) Cyclohexane	7.65	56	420407	54.107	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	373170	55.207	ug/l	96
36) 1,1-Dichloropropene	7.79	75	332550	49.489	ug/l	96
37) Ethyl Acetate	6.94	43	294107	59.685	ug/l #	94
38) Carbon Tetrachloride	7.77	117	322062	49.346	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348412	47.162	ug/l	88
40) Benzene	8.04	78	1012396	52.654	ug/l	99
41) Methacrylonitrile	7.18	41	164256	59.338	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	365207	53.196	ug/l	97
43) Isopropyl Acetate	8.17	43	499005	62.323	ug/l #	94
44) Trichloroethene	8.84	130	253156	50.720	ug/l	90
45) 1,2-Dichloropropane	9.12	63	285242	52.027	ug/l	98
46) Dibromomethane	9.21	93	166389	53.950	ug/l	89
47) Bromodichloromethane	9.40	83	349471	54.522	ug/l	97
48) Methyl methacrylate	9.20	41	251547	57.956	ug/l	89
49) 1,4-Dioxane	9.21	88	58378	1355.566	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1466177	325.699	ug/l	92
52) Toluene	10.16	92	602917	52.697	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	320425	53.143	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	382788	53.147	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232237	54.590	ug/l	97
56) Ethyl methacrylate	10.43	69	330789	59.274	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	403291	55.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638632	265.013	ug/l	89
59) 2-Hexanone	10.75	43	930390	322.854	ug/l	90
60) Dibromochloromethane	10.90	129	244981	56.848	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227828	56.038	ug/l	100
64) Tetrachloroethene	10.63	164	241028	50.307	ug/l	96
65) Chlorobenzene	11.43	112	619978	50.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	242055	52.902	ug/l	99
67) Ethyl Benzene	11.51	91	1126337	51.059	ug/l	97
68) m/p-Xylenes	11.62	106	828141	101.446	ug/l	94
69) o-Xylene	11.95	106	403588	50.417	ug/l	94
70) Styrene	11.96	104	680130	53.138	ug/l	97
71) Bromoform	12.13	173	156519	58.391	ug/l #	100
73) Isopropylbenzene	12.25	105	1076578	48.671	ug/l	98
74) N-amyl acetate	12.07	43	400375	58.100	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	293138	60.475	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	347750	73.968	ug/l #	100
77) Bromobenzene	12.53	156	268017	50.205	ug/l	84
78) n-propylbenzene	12.59	91	1186673	48.811	ug/l	96
79) 2-Chlorotoluene	12.68	91	723974	48.134	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	871477	48.016	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	61422	50.819	ug/l	85
82) 4-Chlorotoluene	12.77	91	718546	49.185	ug/l	96
83) tert-Butylbenzene	12.99	119	752633	53.673	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	866774	50.128	ug/l	96
85) sec-Butylbenzene	13.17	105	947651	48.064	ug/l	96
86) p-Isopropyltoluene	13.29	119	826411	47.523	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	441083	49.350	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	429778	49.026	ug/l	98
89) n-Butylbenzene	13.62	91	663865	46.791	ug/l	97
90) Hexachloroethane	13.88	117	147110	49.826	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441791	48.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45154	59.714	ug/l	86

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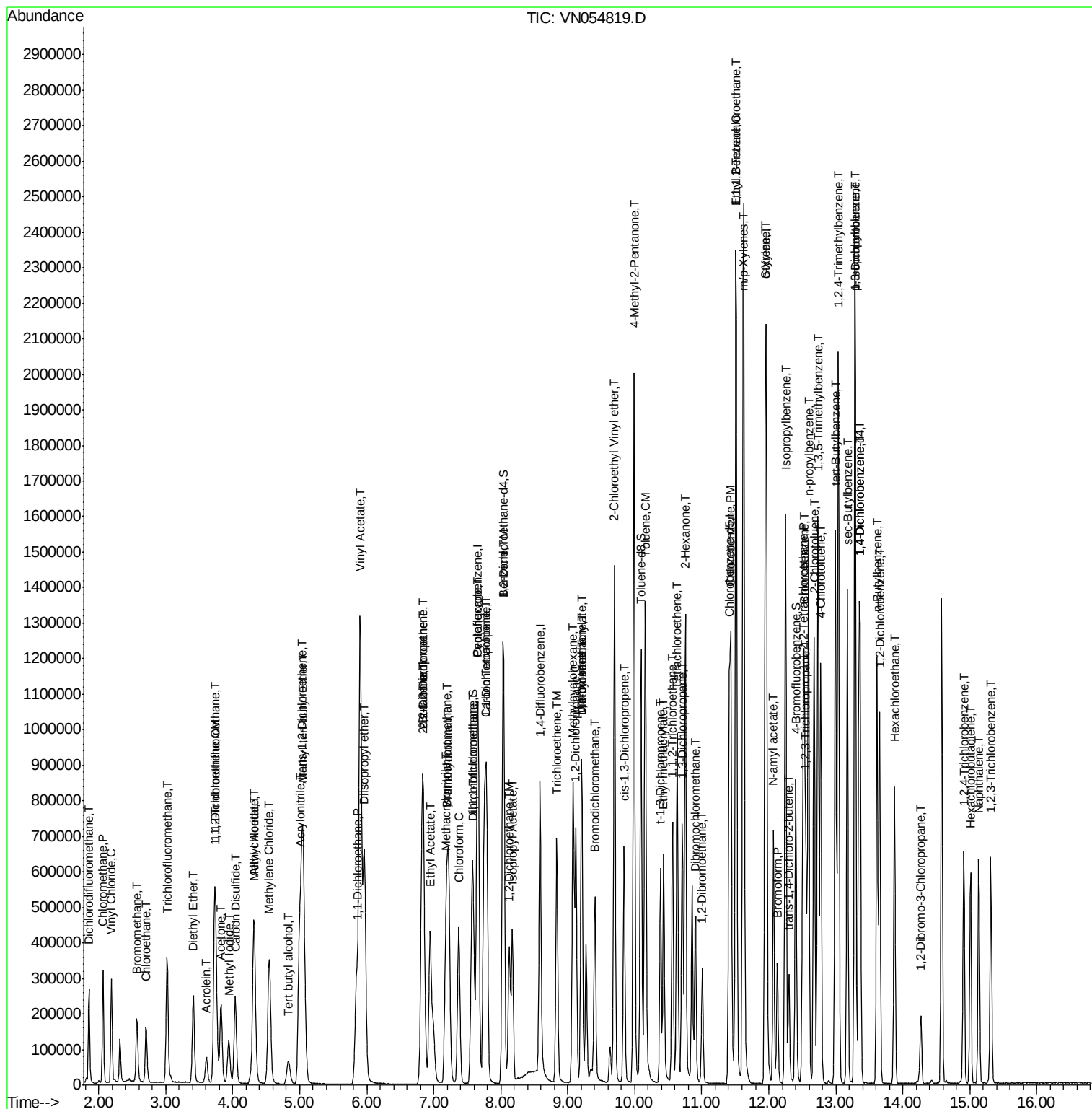
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212882	48.952	ug/l	99
94) Hexachlorobutadiene	15.01	225	120511	46.651	ug/l	99
95) Naphthalene	15.13	128	532356	54.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	217551	49.534	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

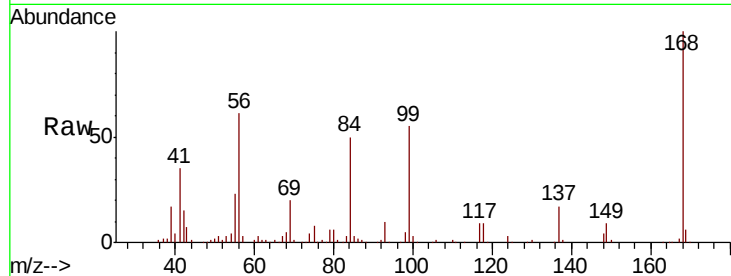
ClientSampleId :

Tot Ion:168 Resp: 418748

Ion Ratio Lower Upper

168 100

99 53.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

200000

150000

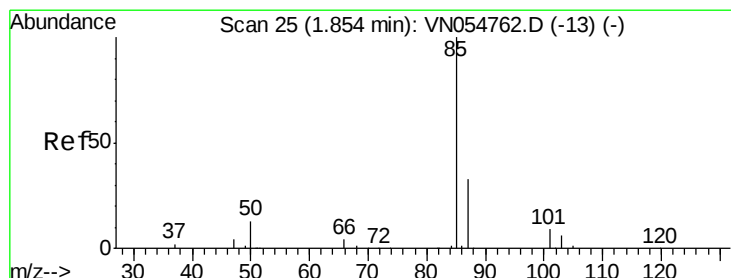
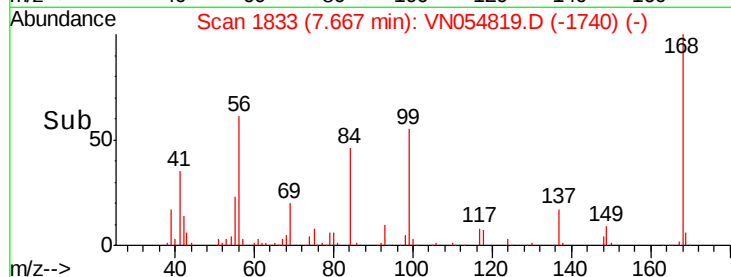
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.314 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054819.D

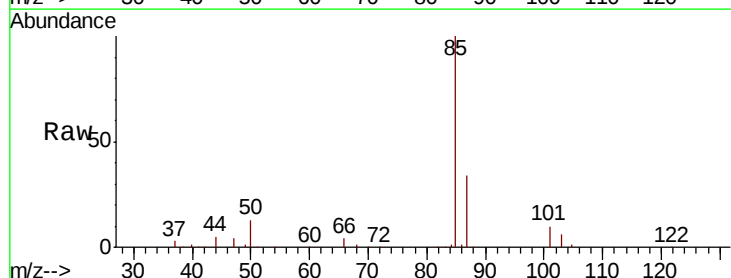
Acq: 30 Mar 2019 23:04

Tgt Ion: 85 Resp: 200405

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054762.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN054762.D (-13) (-)

1.85

150000

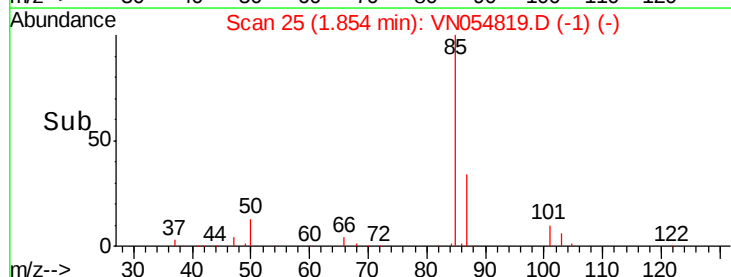
100000

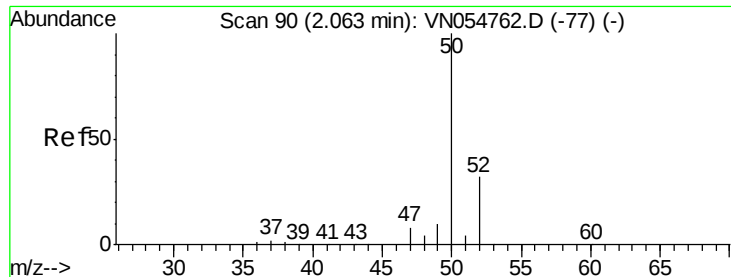
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.363 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

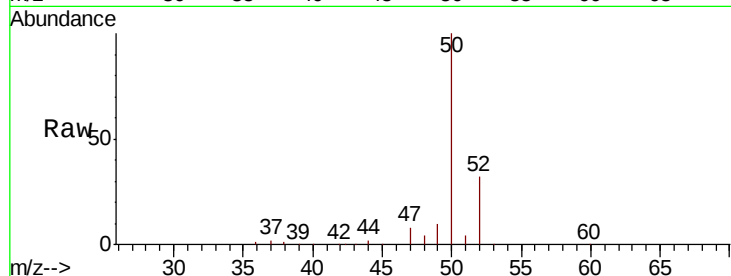
ClientSampled :

Tot Ion: 50 Resp: 283243

Ion Ratio Lower Upper

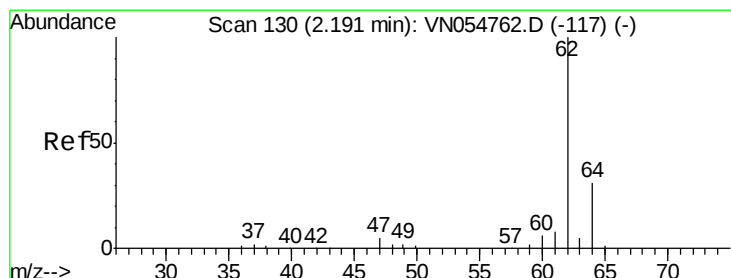
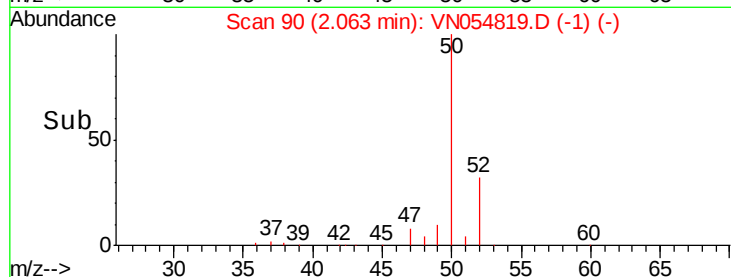
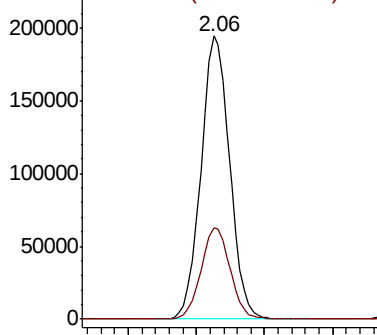
50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.468 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054819.D

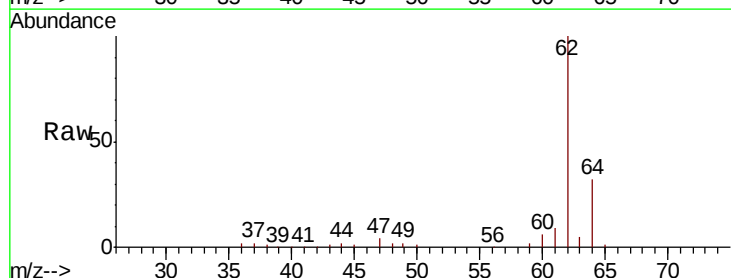
Acq: 30 Mar 2019 23:04

Tgt Ion: 62 Resp: 260167

Ion Ratio Lower Upper

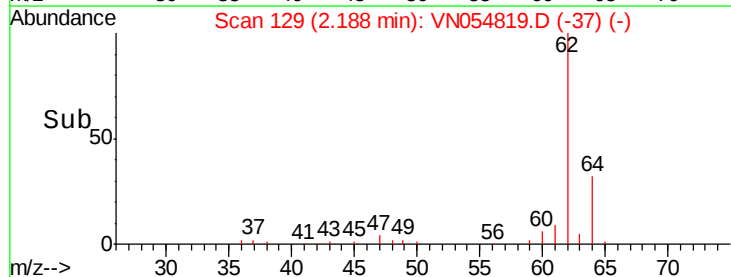
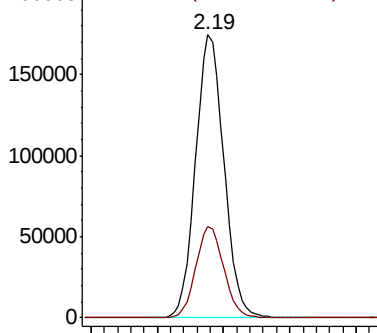
62 100

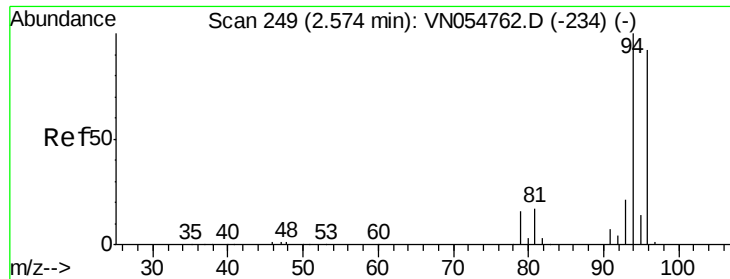
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.681 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

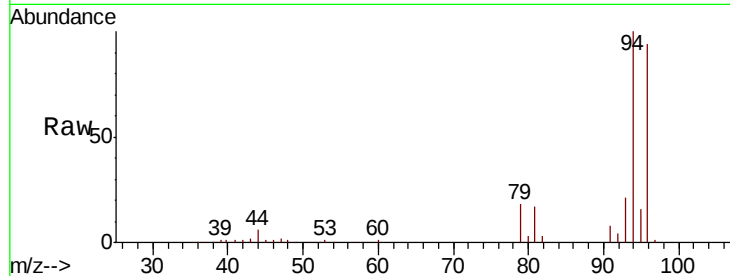
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 123863

Ion Ratio Lower Upper

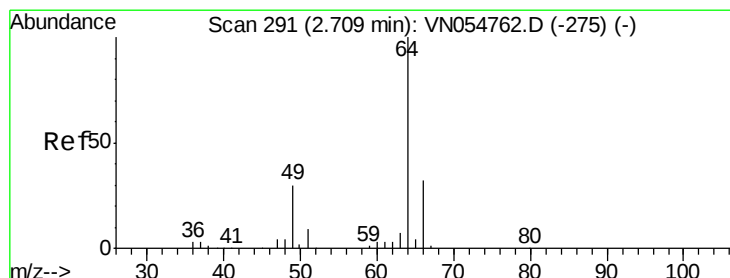
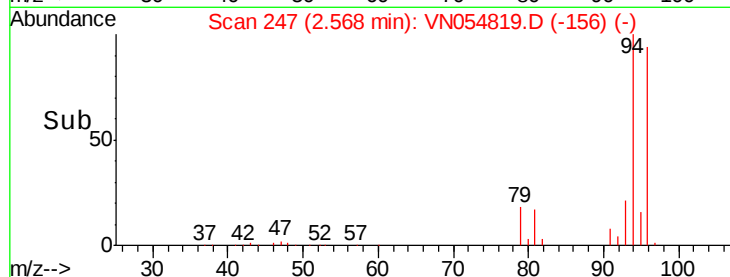
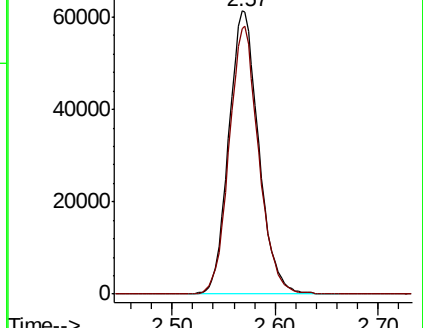
94 100

96 93.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054819.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054819.D (-156) (-)



#6

Chloroethane

Concen: 48.838 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054819.D

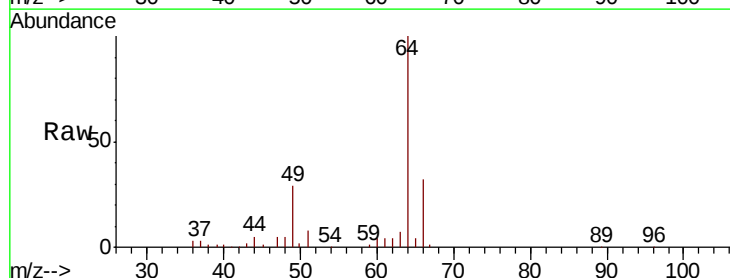
Acq: 30 Mar 2019 23:04

Tgt Ion: 64 Resp: 143425

Ion Ratio Lower Upper

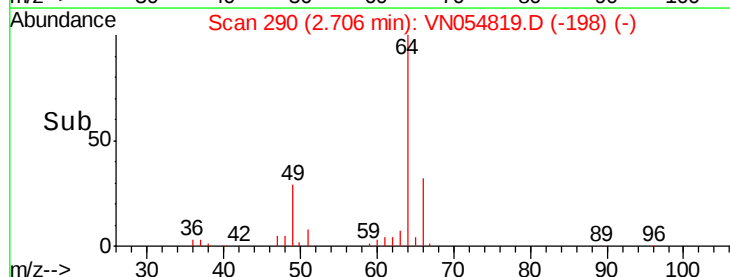
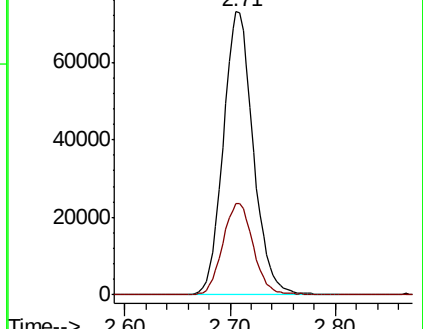
64 100

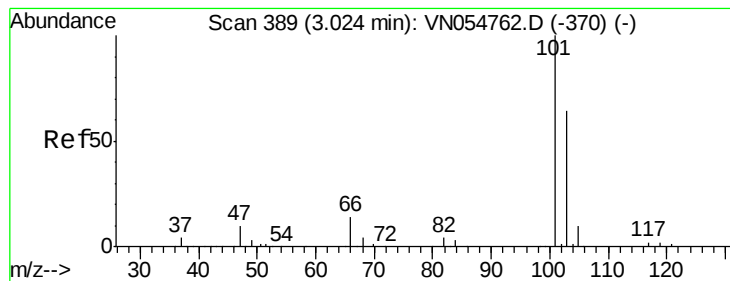
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054819.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN054819.D (-198) (-)



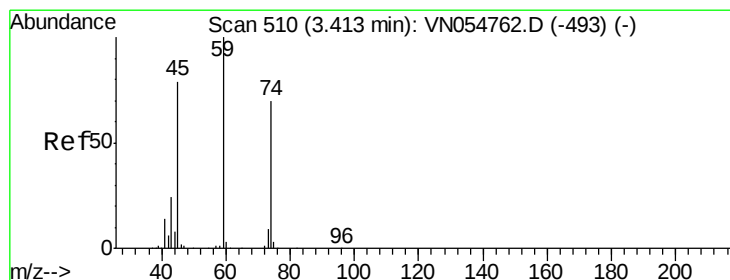
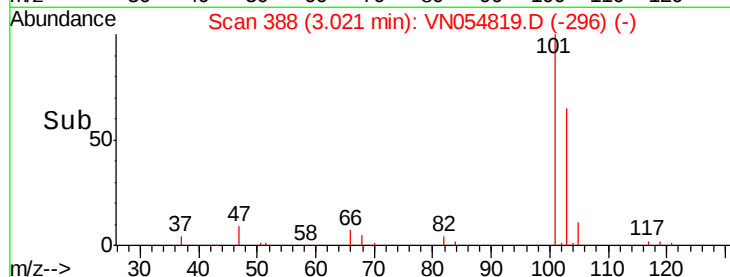
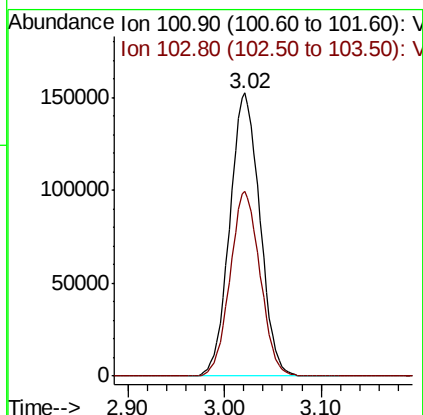
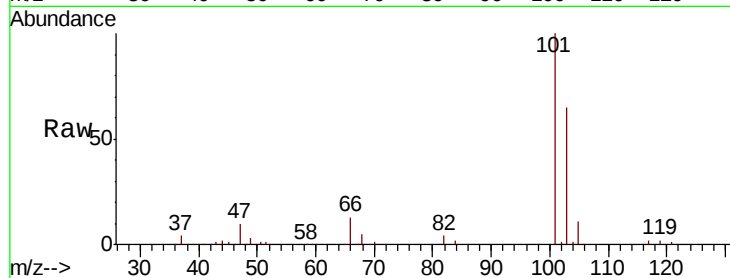


#7

Trichlorofluoromethane
 Concen: 50.917 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampled :

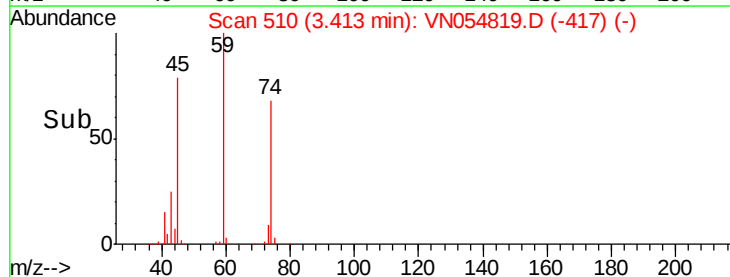
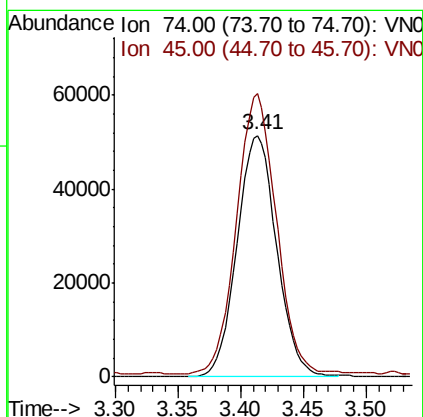
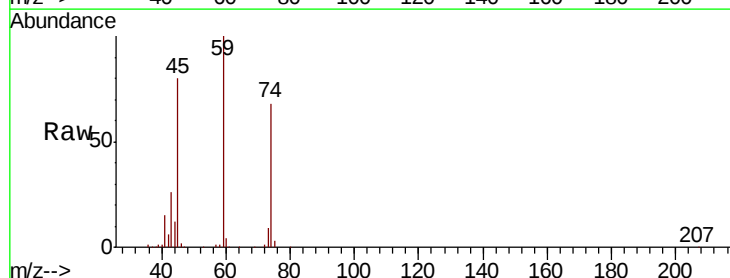
Tot Ion:101 Resp: 329225
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

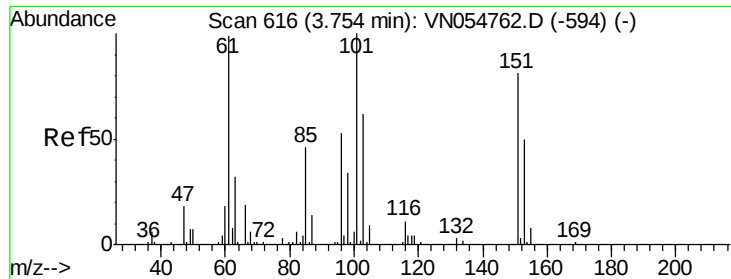


#8

Diethyl Ether
 Concen: 54.249 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 74 Resp: 112949
 Ion Ratio Lower Upper
 74 100
 45 116.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.128 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

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ClientSampleId :

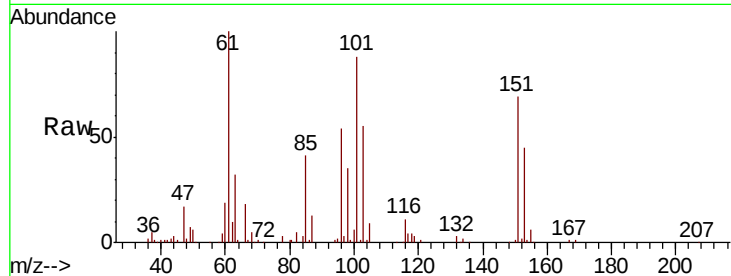
Tot Ion:101 Resp: 167223

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

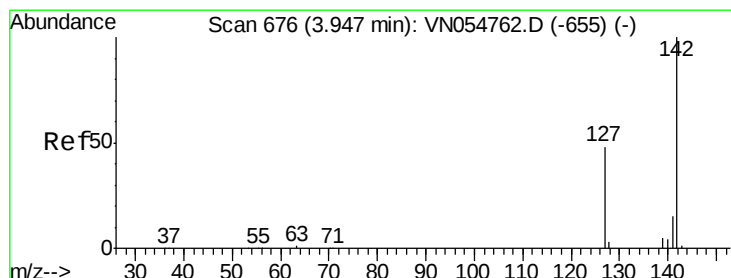
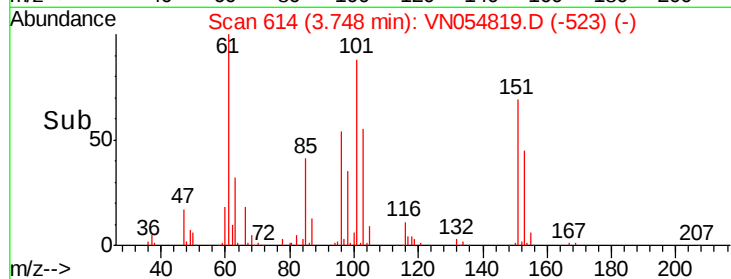
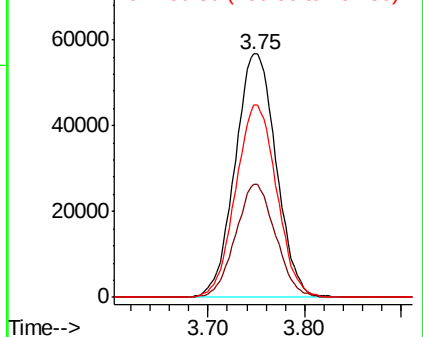
151 78.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.881 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

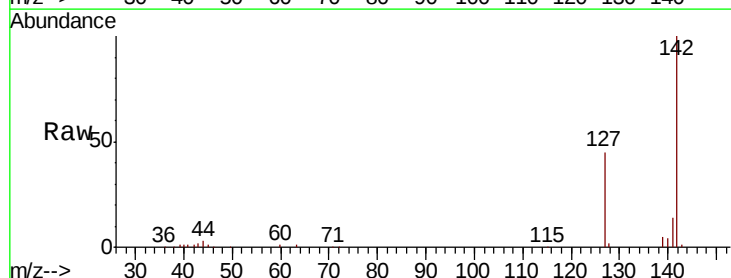
Tgt Ion:142 Resp: 185836

Ion Ratio Lower Upper

142 100

127 46.9 30.3 45.5#

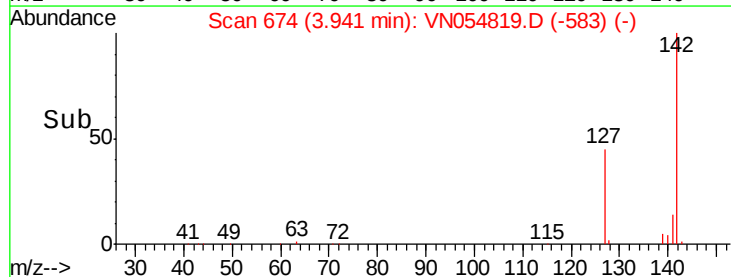
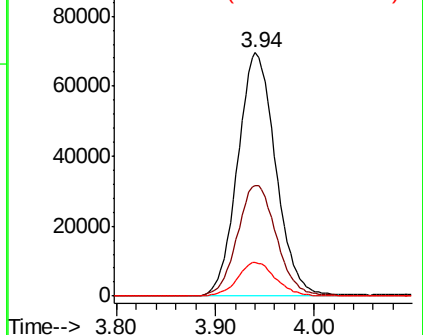
141 14.0 11.2 16.8

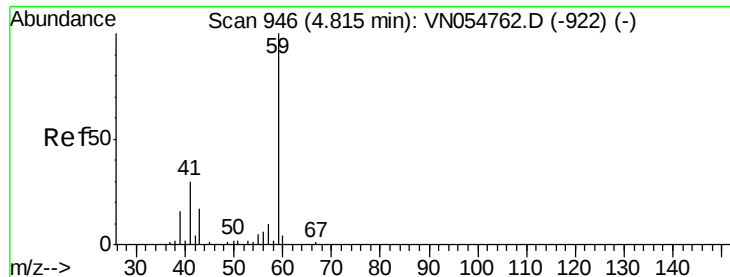


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



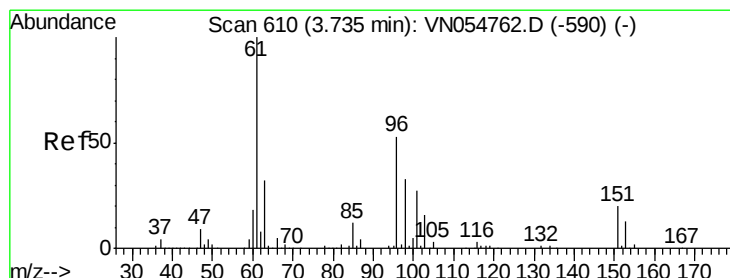
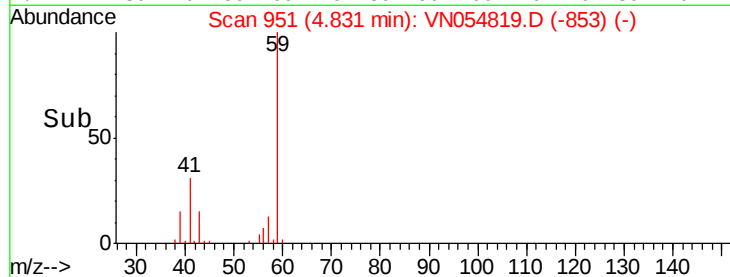
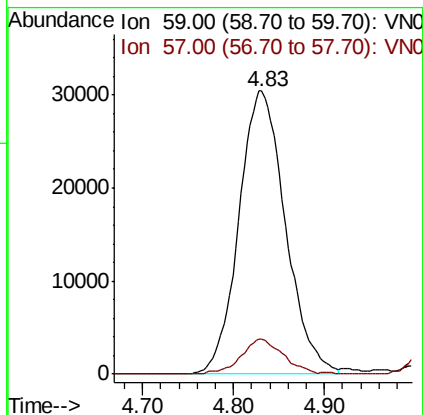
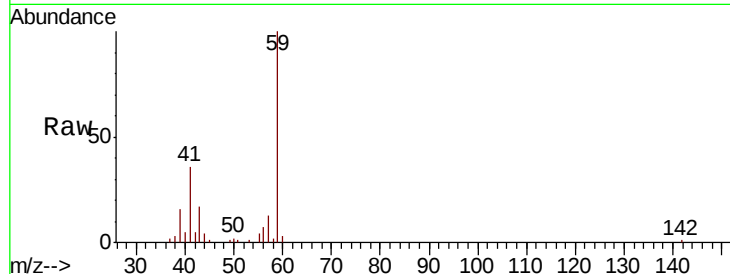


#11

Tert butyl alcohol
Concen: 367.456 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.02 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :

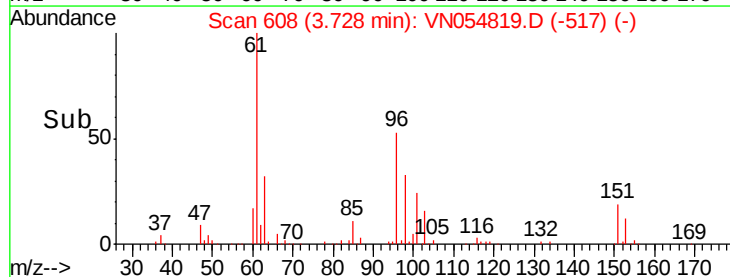
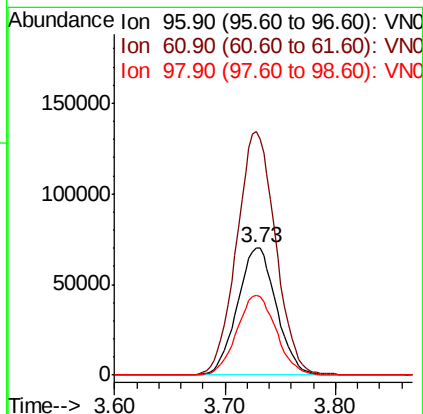
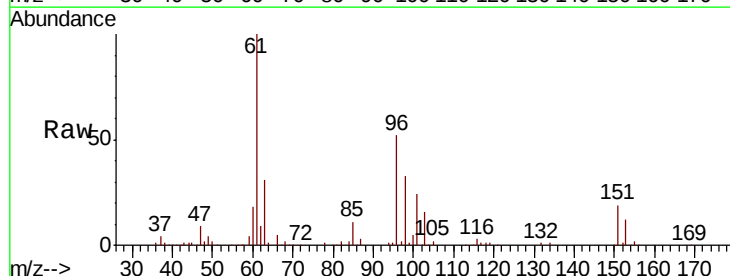
Tot Ion: 59 Resp: 108071
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.6

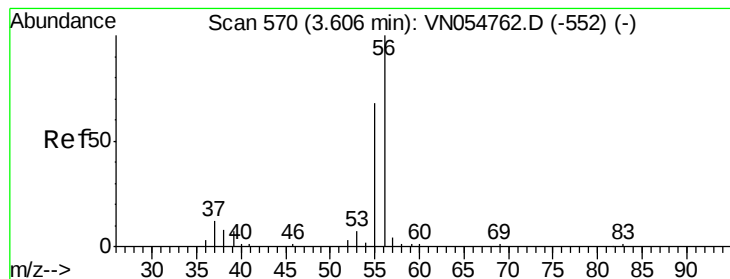


#12

1,1-Dichloroethene
Concen: 52.217 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 96 Resp: 171879
Ion Ratio Lower Upper
96 100
61 190.4 116.5 174.7#
98 62.9 51.0 76.4





#13

Acrolein

Concen: 288.496 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

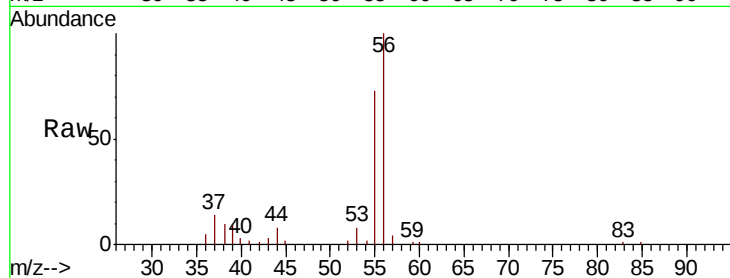
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 75853

Ion Ratio Lower Upper

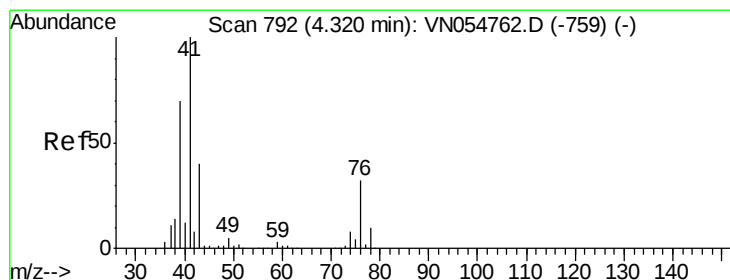
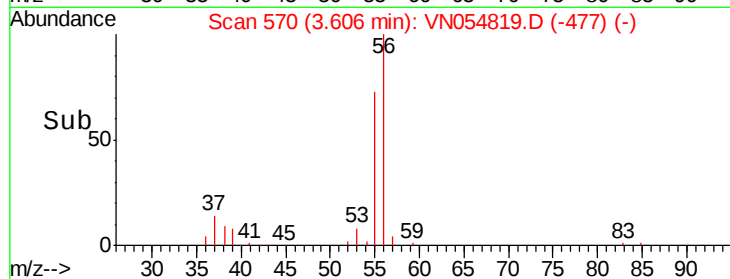
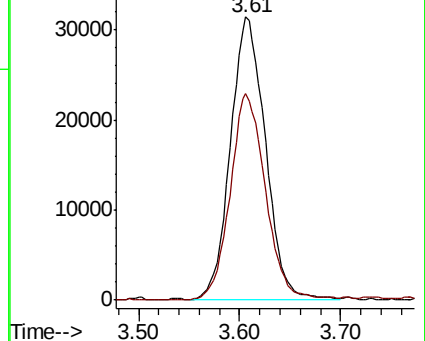
56 100

55 73.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.040 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

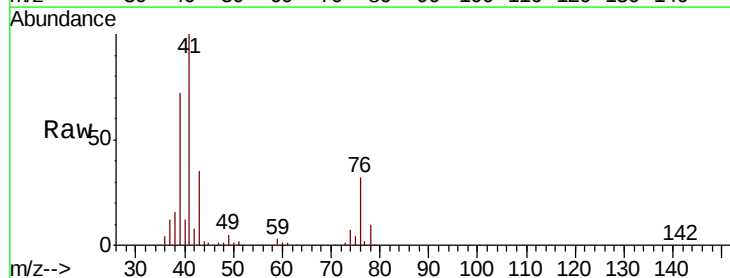
Tgt Ion: 41 Resp: 413818

Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

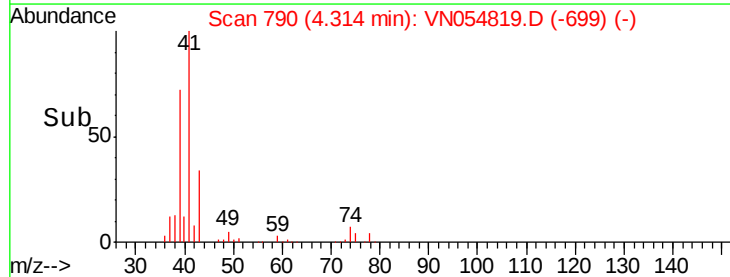
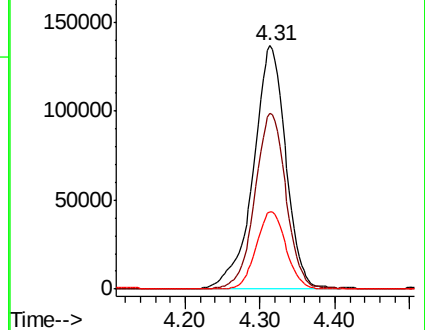
76 29.3 31.7 47.5#

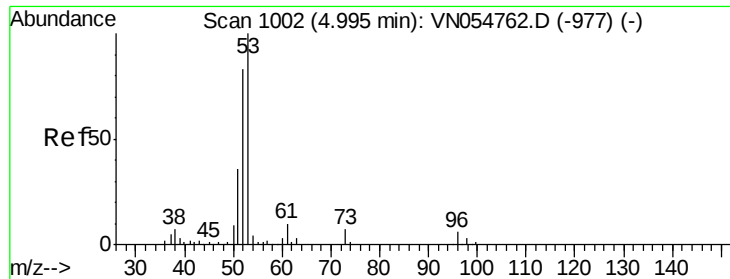


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

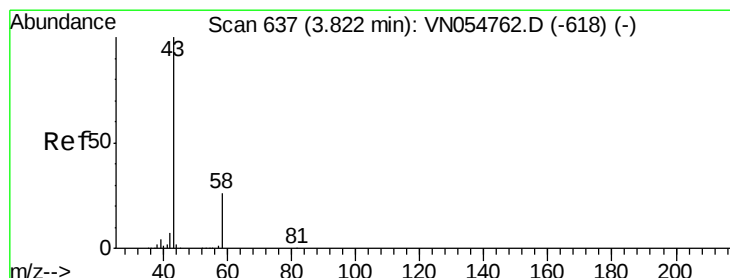
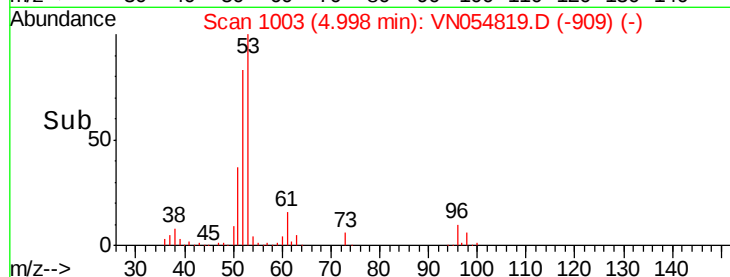
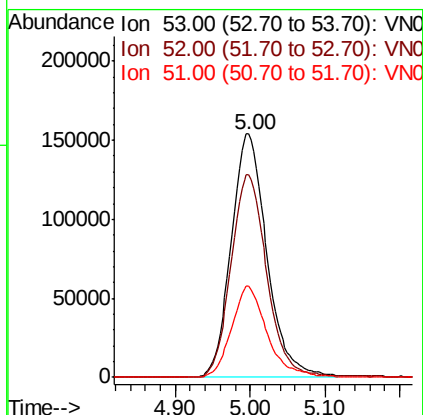
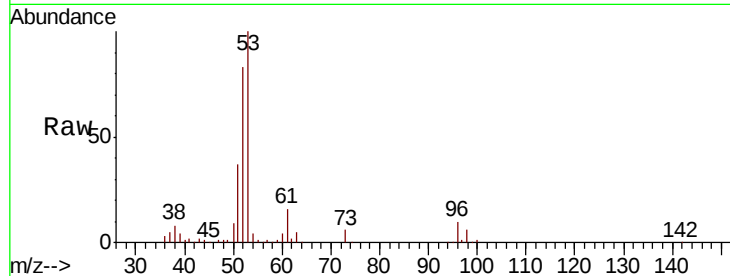




#15
 Acrylonitrile
 Concen: 312.711 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

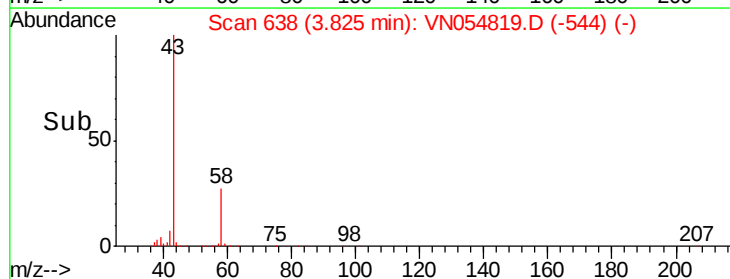
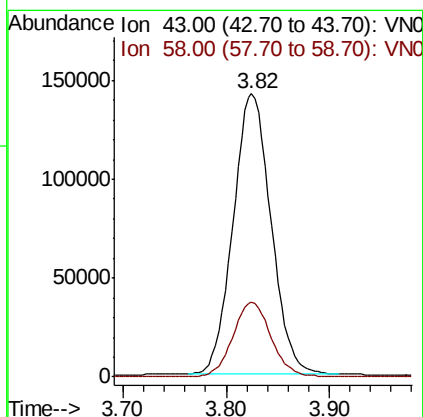
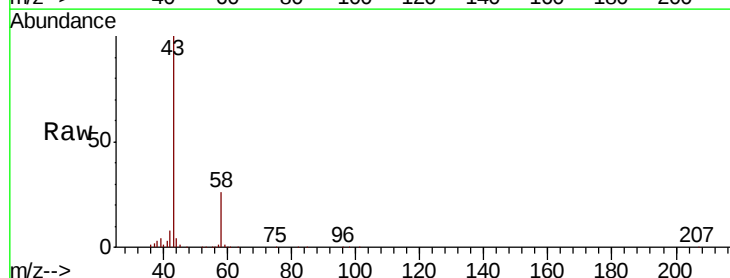
Instrument :
 MSVOA_N
 ClientSampleId :

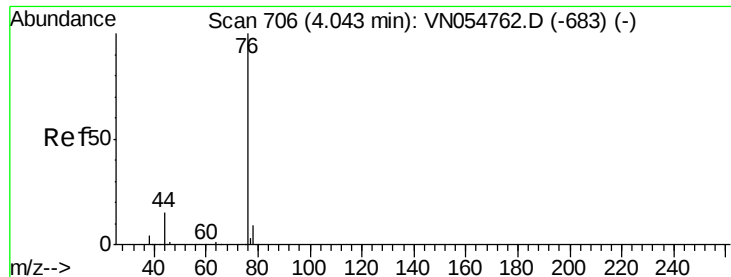
Tot Ion: 53 Resp: 511200
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.4 99.6
 51 37.2 29.6 44.4



#16
 Acetone
 Concen: 268.039 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 360806
 Ion Ratio Lower Upper
 43 100
 58 26.5 29.9 44.9#





#17

Carbon Disulfide

Concen: 42.445 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

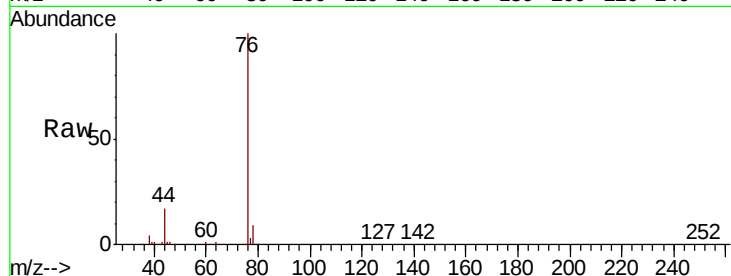
ClientSampleId :

Tot Ion: 76 Resp: 453143

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054762.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN054762.D (-683) (-)

4.04

200000

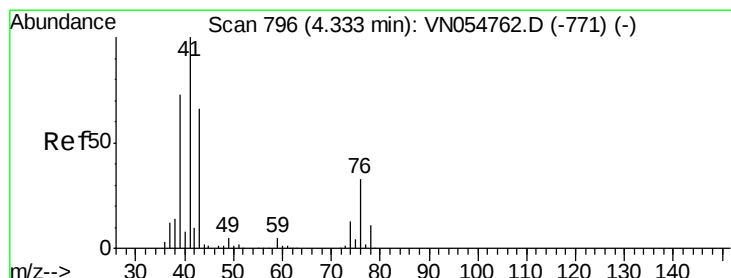
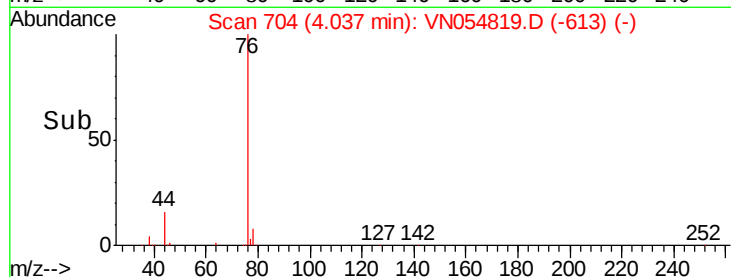
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 68.113 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054819.D

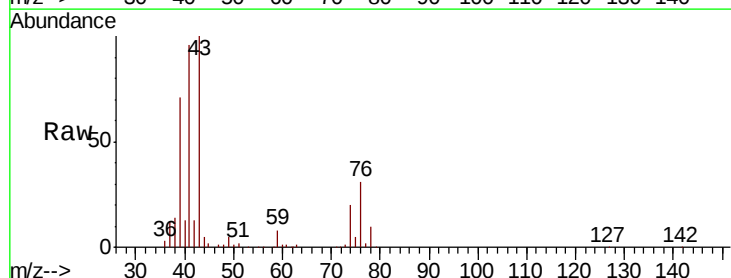
Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 237644

Ion Ratio Lower Upper

43 100

74 19.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN054762.D (-771) (-)

4.33

100000

80000

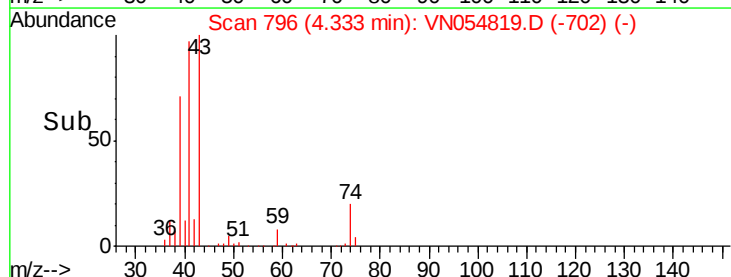
60000

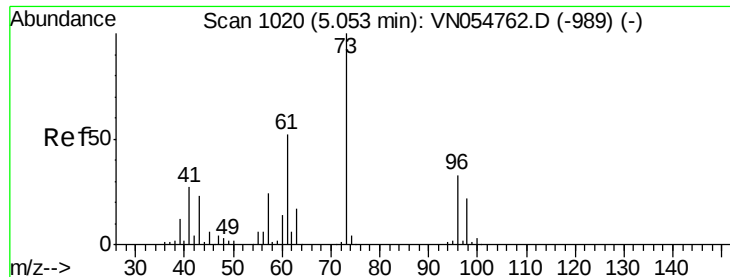
40000

20000

0

Time-->

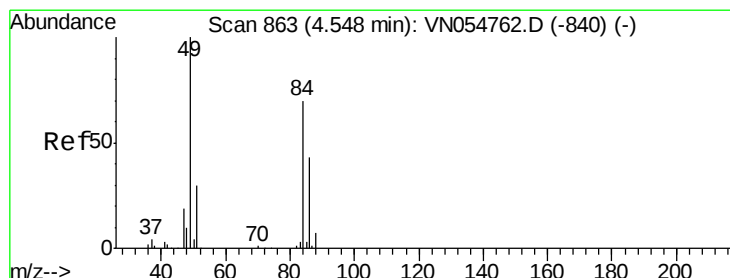
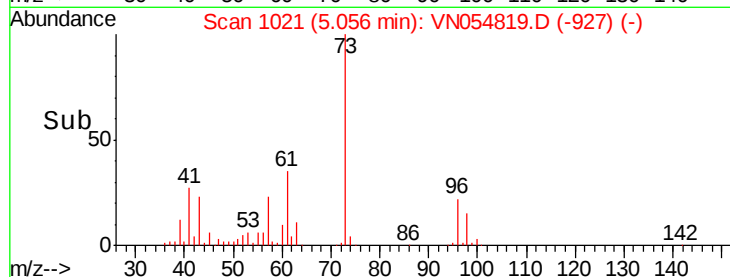
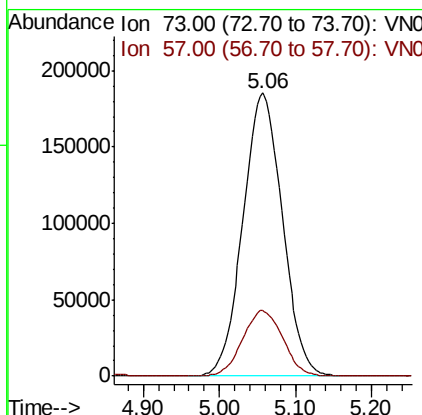
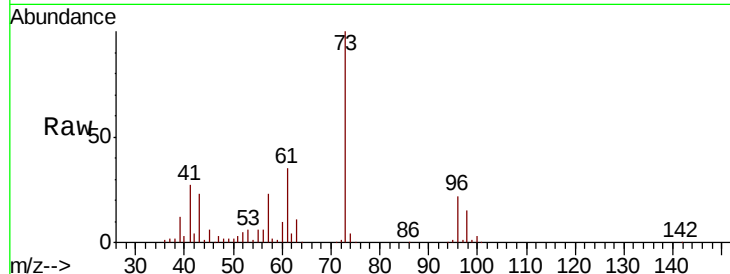




#19
Methvl tert-butvl Ether
Concen: 58.042 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

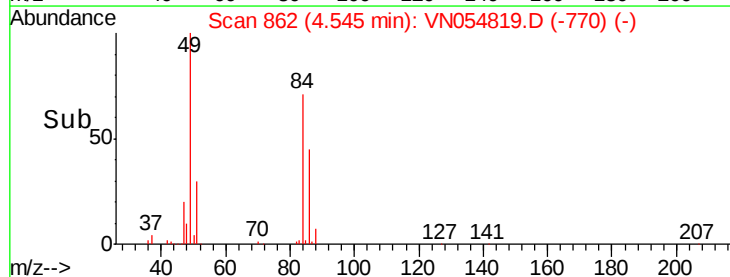
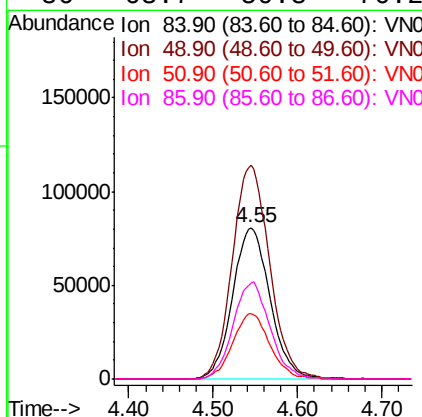
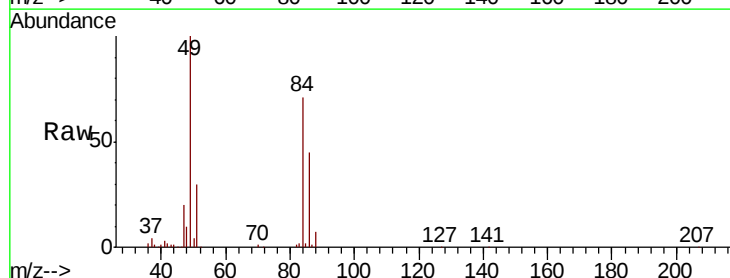
Instrument :
MSVOA_N
ClientSampleId :

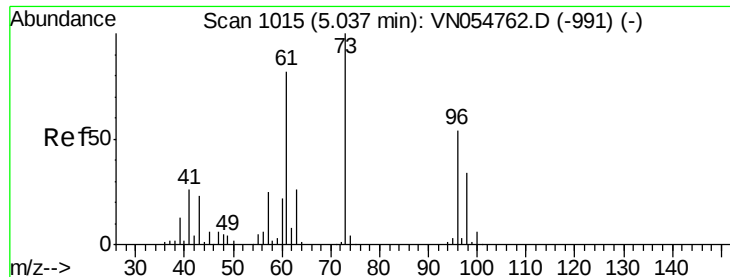
Tot Ion: 73 Resp: 668294
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 52.477 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 84 Resp: 249171
Ion Ratio Lower Upper
84 100
49 141.0 89.7 134.5#
51 42.9 28.2 42.4#
86 63.7 50.8 76.2

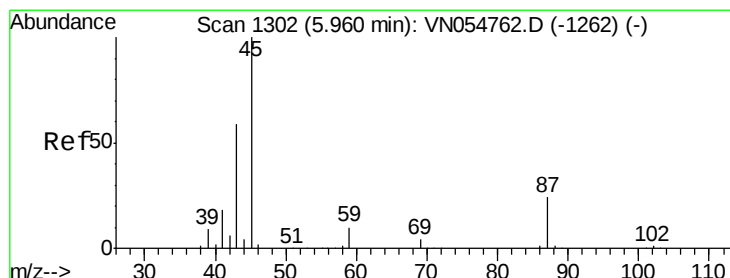
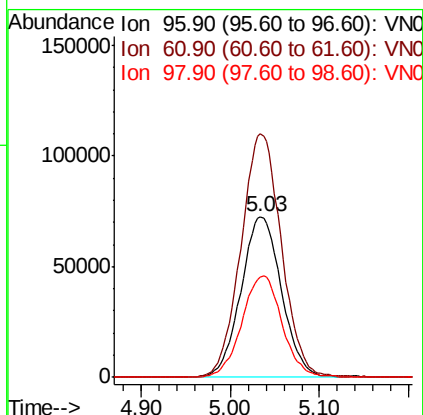
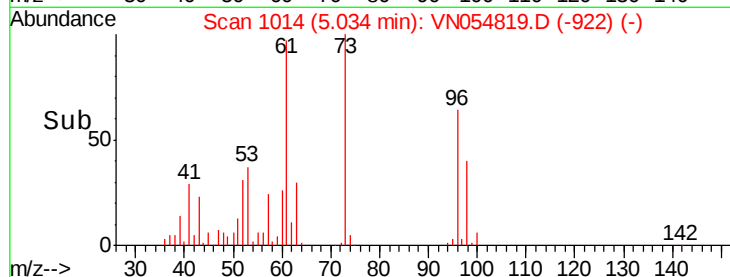
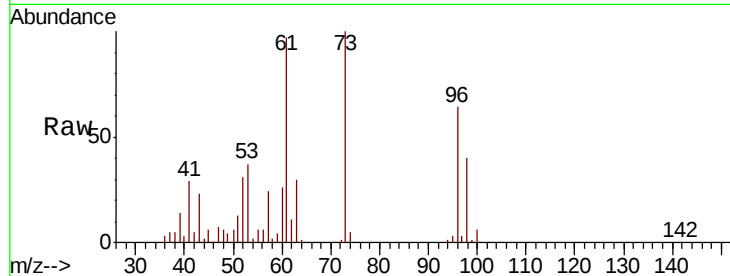




#21
trans-1,2-Dichloroethene
Concen: 53.030 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

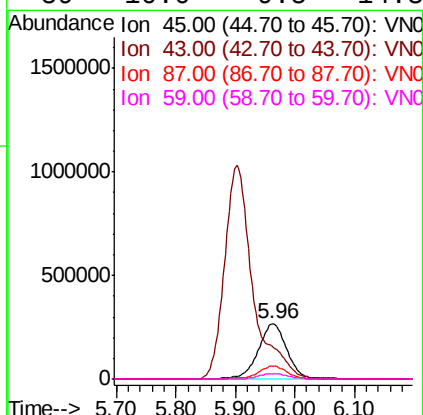
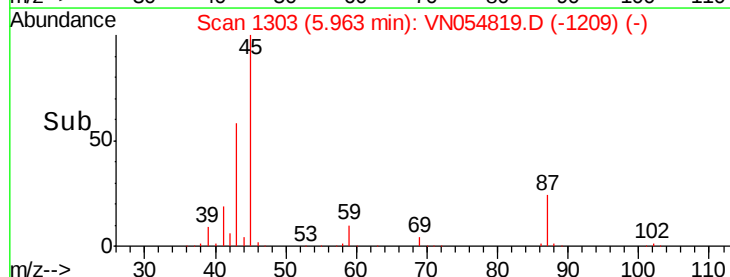
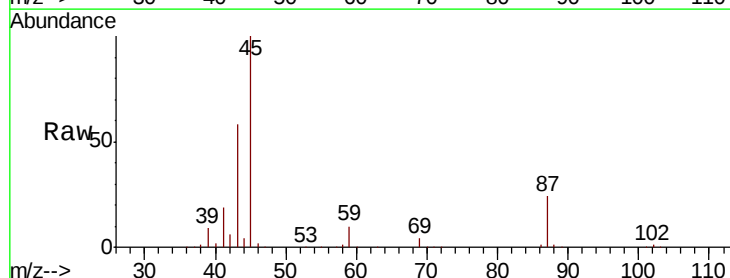
Instrument :
MSVOA_N
ClientSampled :

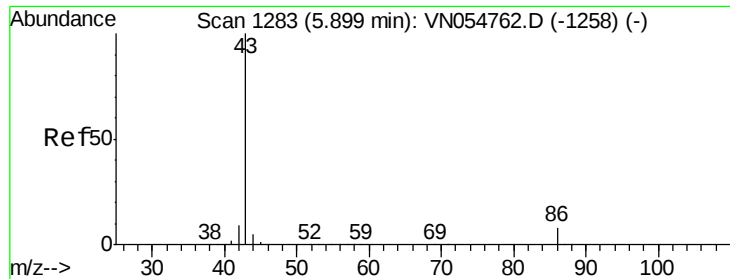
Tot Ion: 96 Resp: 229276
Ion Ratio Lower Upper
96 100
61 151.6 102.8 154.2
98 62.5 50.0 75.0



#22
Diisopropyl ether
Concen: 56.324 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 45 Resp: 903194
Ion Ratio Lower Upper
45 100
43 58.2 48.2 72.2
87 23.4 24.9 37.3#
59 10.0 9.5 14.3





#23

Vinyl Acetate

Concen: 305.506 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

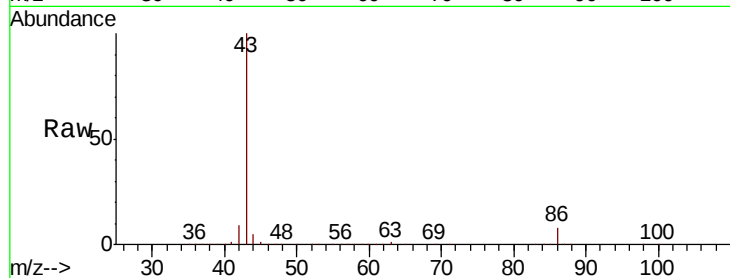
ClientSampled :

Tot Ion: 43 Resp: 3409220

Ion Ratio Lower Upper

43 100

86 8.3 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054819.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054819.D (-1190) (-)

1200000

1000000

800000

600000

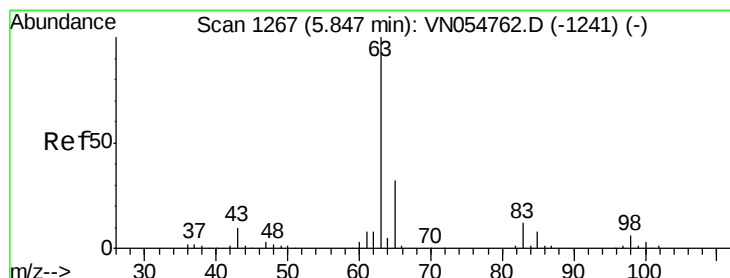
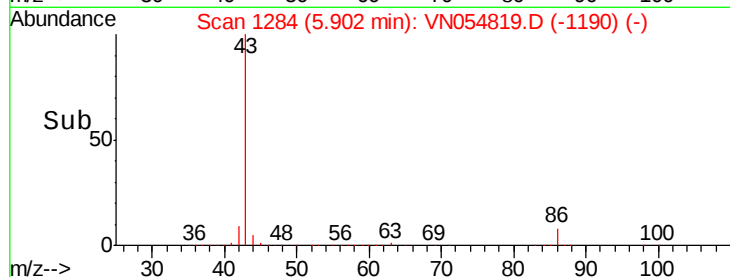
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 54.091 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

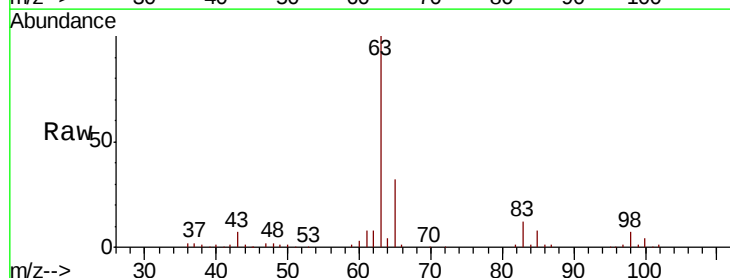
Tgt Ion: 63 Resp: 462698

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054819.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054819.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054819.D (-1174) (-)

200000

150000

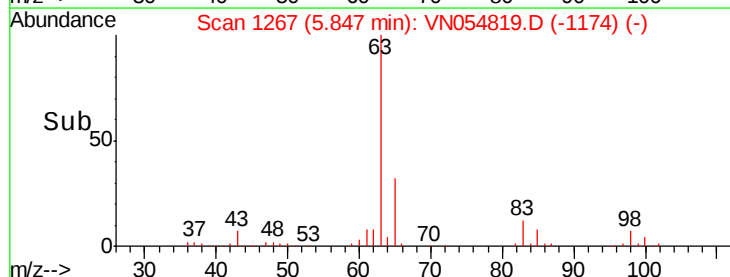
100000

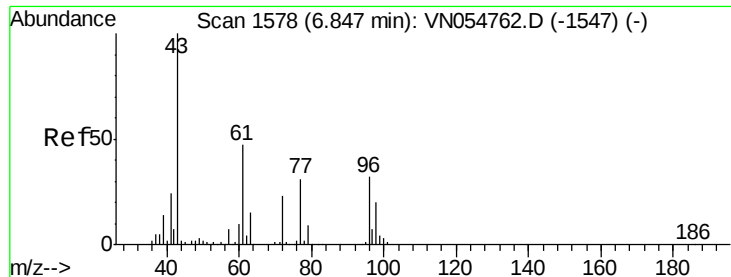
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 331.995 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

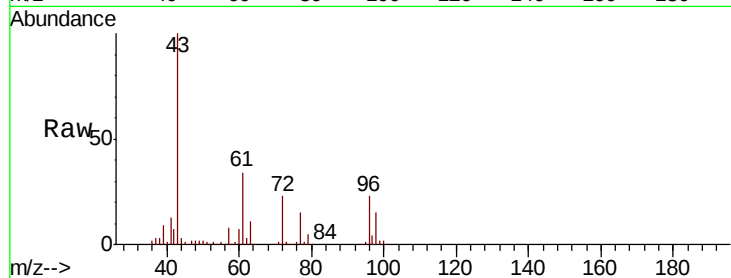
ClientSampled :

Tot Ion: 43 Resp: 660598

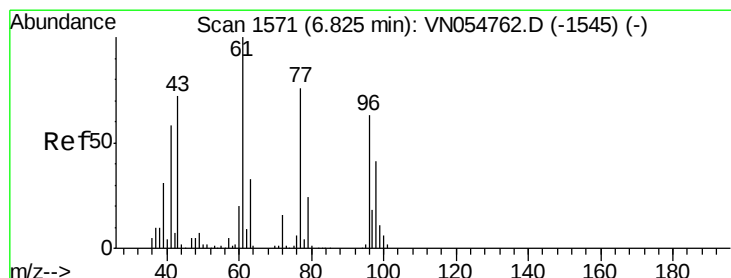
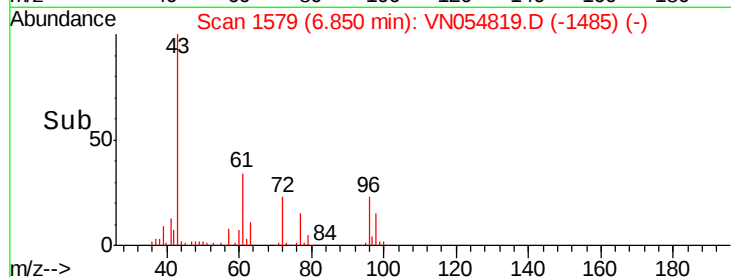
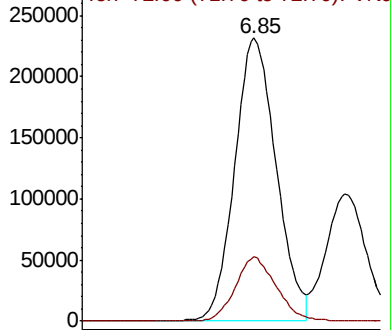
Ion Ratio Lower Upper

43 100

72 22.7 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1547) (-)



#26

2,2-Dichloropropane

Concen: 37.485 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054819.D

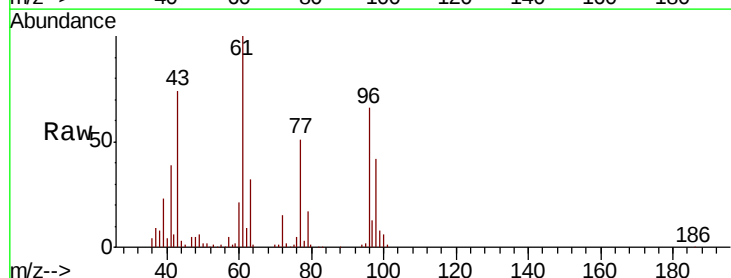
Acq: 30 Mar 2019 23:04

Tgt Ion: 77 Resp: 224736

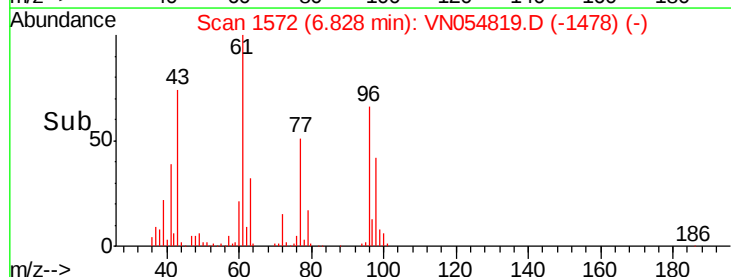
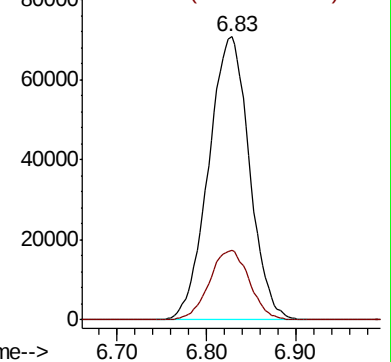
Ion Ratio Lower Upper

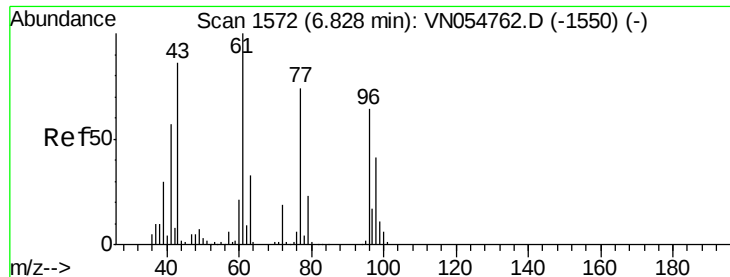
77 100

97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN054762.D (-1545) (-)





#27

cis-1,2-Dichloroethene

Concen: 54.837 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :

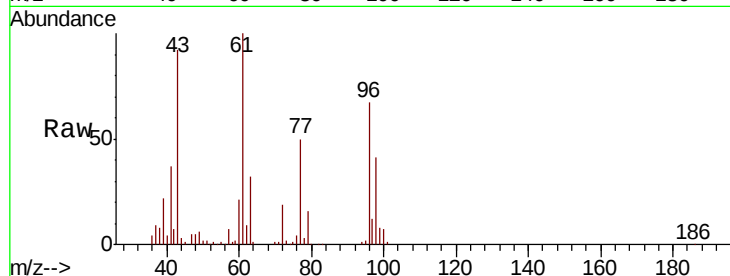
Tot Ion: 96 Resp: 267832

Ion Ratio Lower Upper

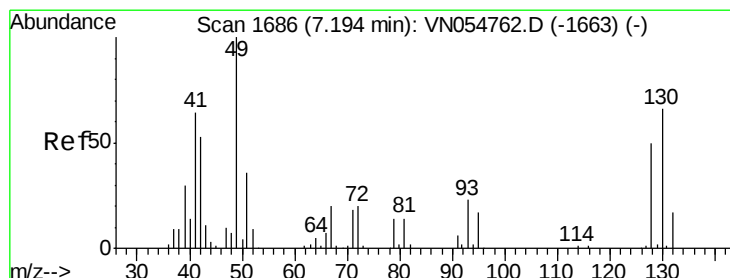
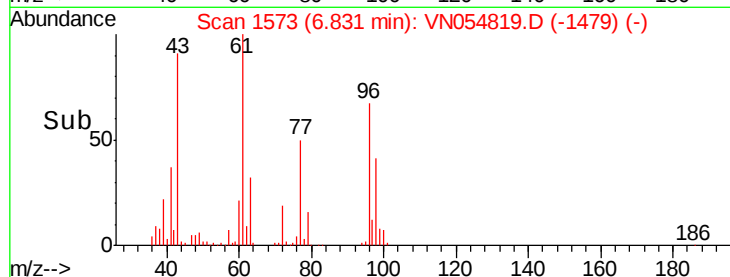
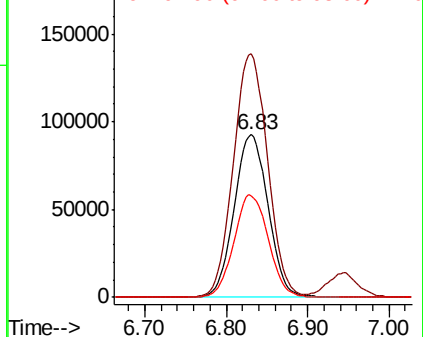
96 100

61 151.2 0.0 273.0

98 63.8 0.0 130.6



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: 56.274 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

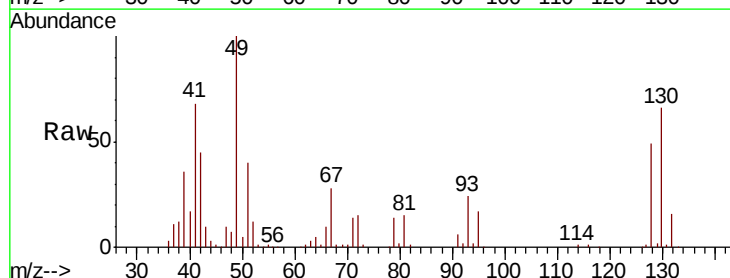
Tgt Ion: 49 Resp: 240703

Ion Ratio Lower Upper

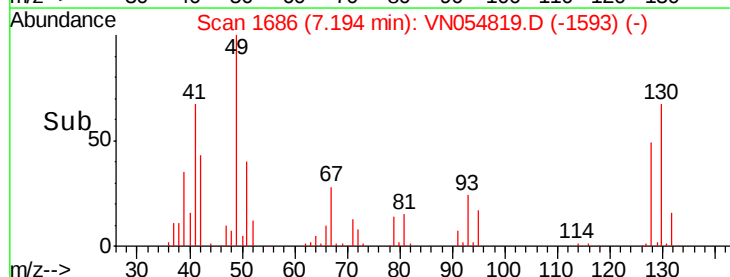
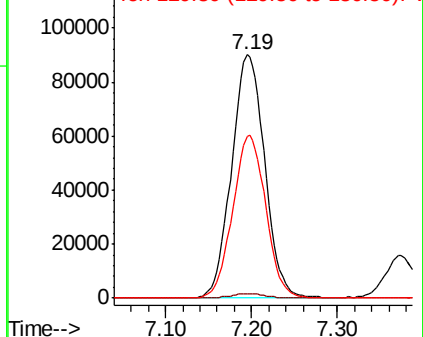
49 100

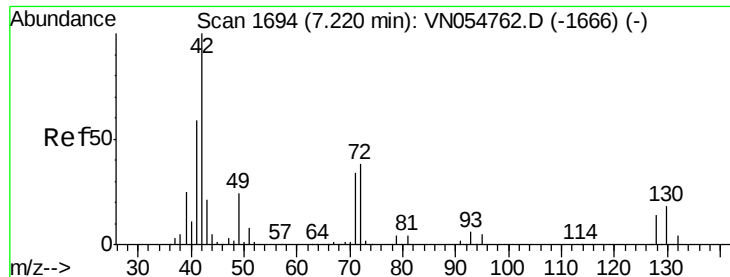
129 1.8 0.0 4.6

130 66.7 76.7 115.1#



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

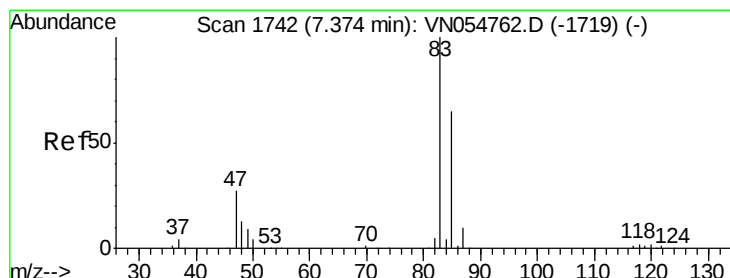
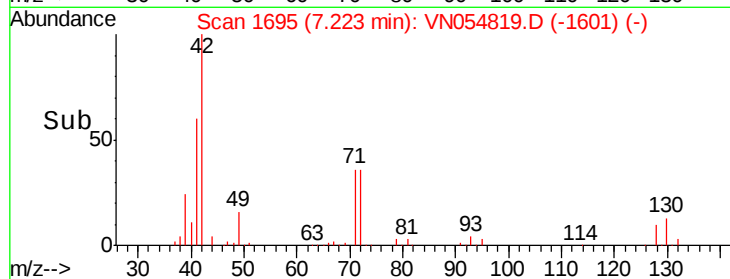
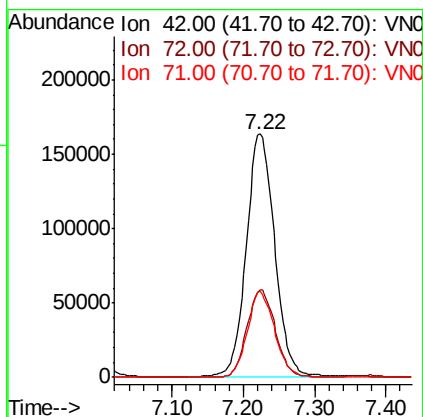
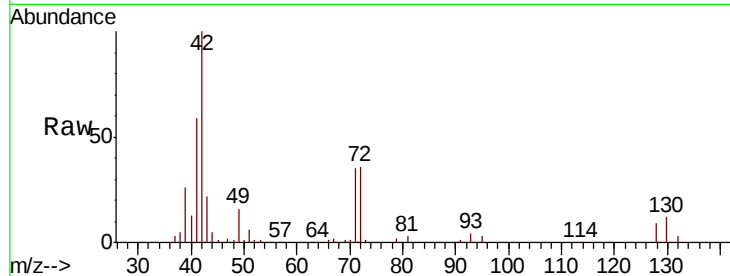




#29
Tetrahydrofuran
Concen: 327.102 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

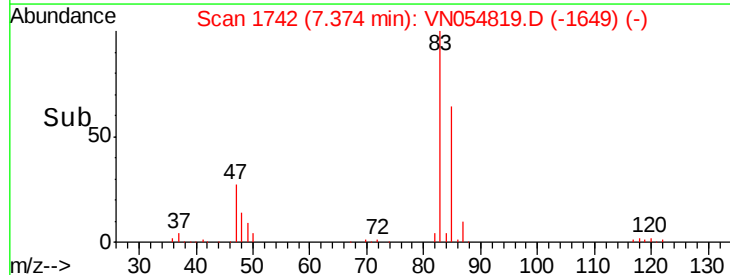
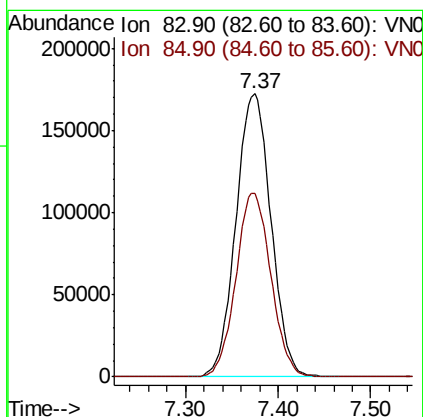
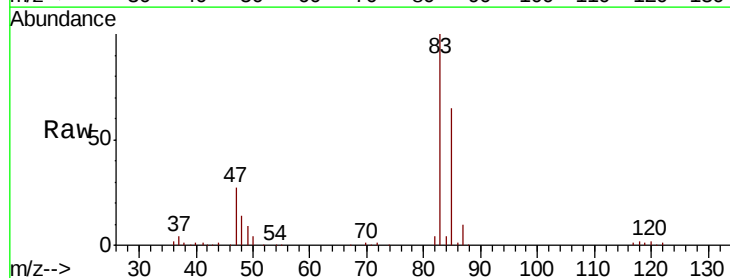
Instrument :
MSVOA_N
ClientSampleId :

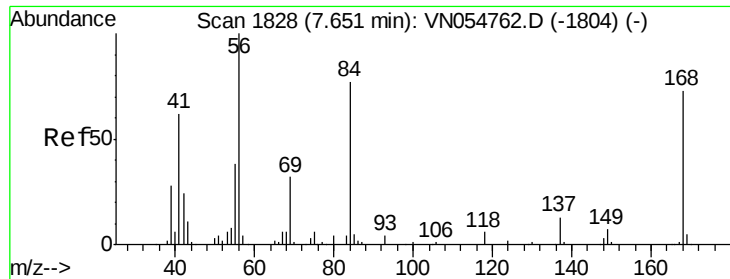
Tot Ion: 42 Resp: 452056
Ion Ratio Lower Upper
42 100
72 36.1 37.8 56.6#
71 34.0 36.2 54.2#



#30
Chloroform
Concen: 55.419 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 83 Resp: 452030
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4

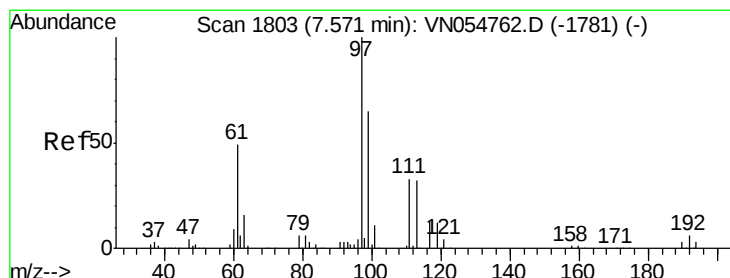
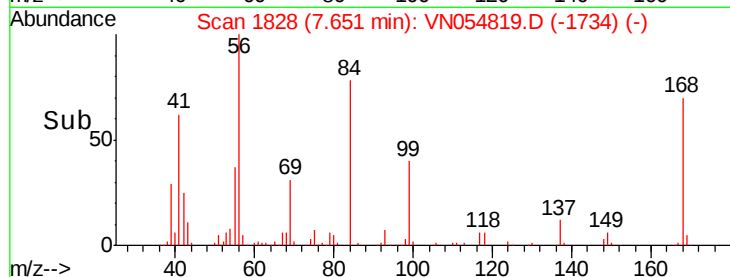
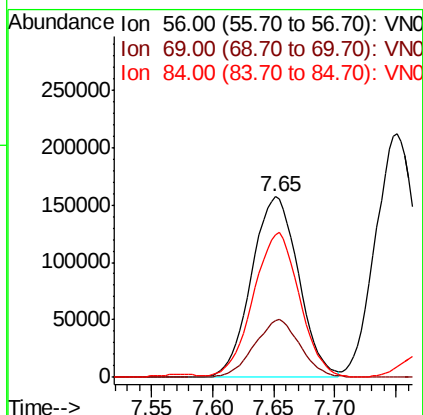
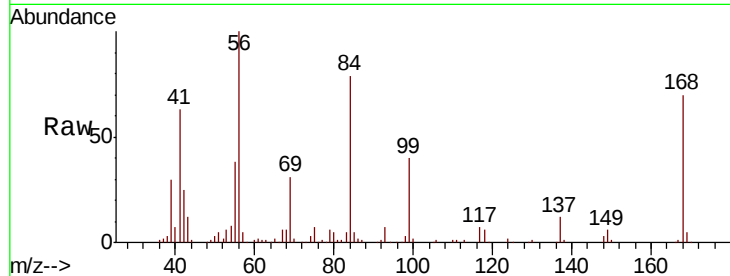




#31
Cyclohexane
Concen: 54.107 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

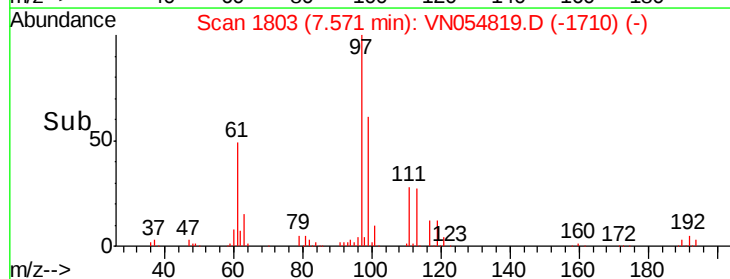
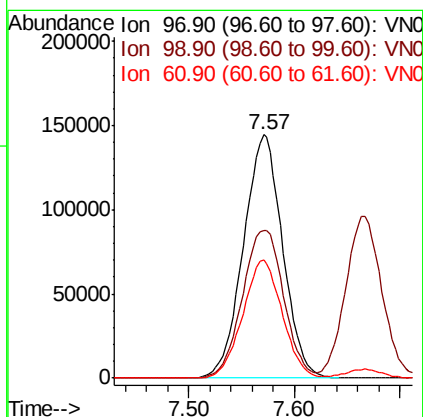
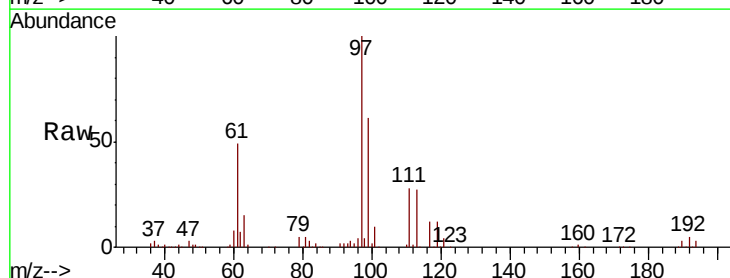
Instrument :
MSVOA_N
ClientSampled :

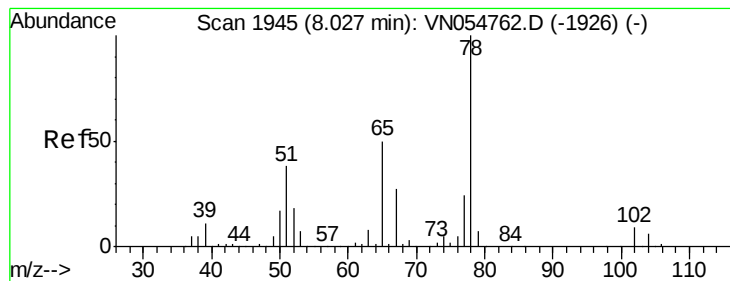
Tot Ion: 56 Resp: 420407
Ion Ratio Lower Upper
56 100
69 31.4 27.8 41.6
84 77.7 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 55.207 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 97 Resp: 373170
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 49.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 54.050 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

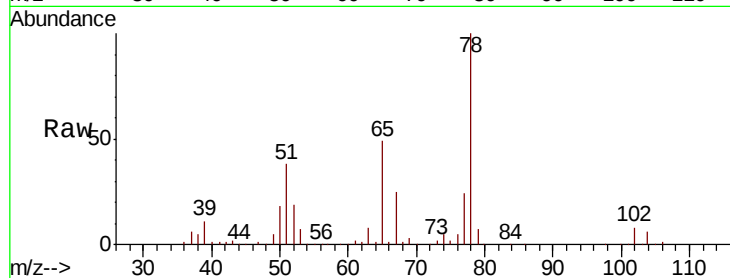
ClientSampleId :

Tot Ion: 65 Resp: 305101

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

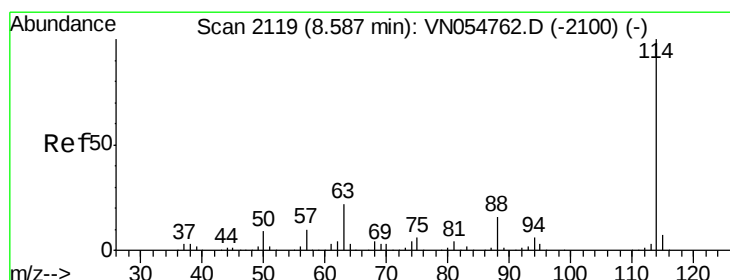
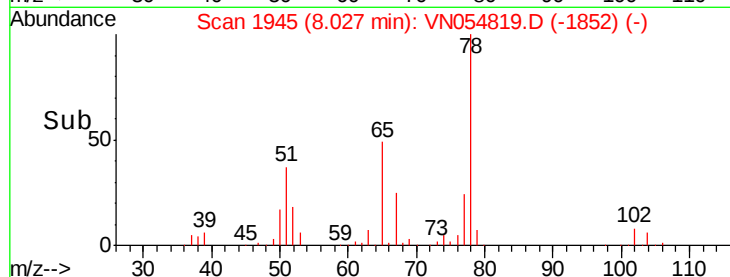
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

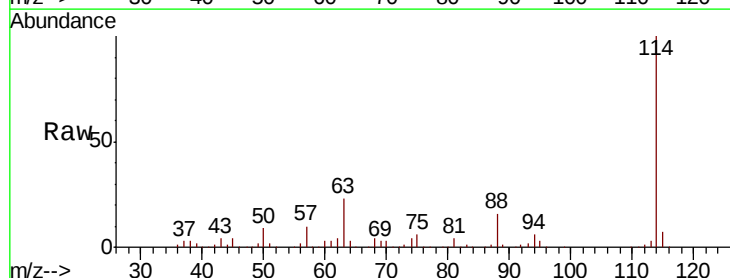
Tgt Ion: 114 Resp: 721143

Ion Ratio Lower Upper

114 100

63 23.1 0.0 35.2

88 16.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

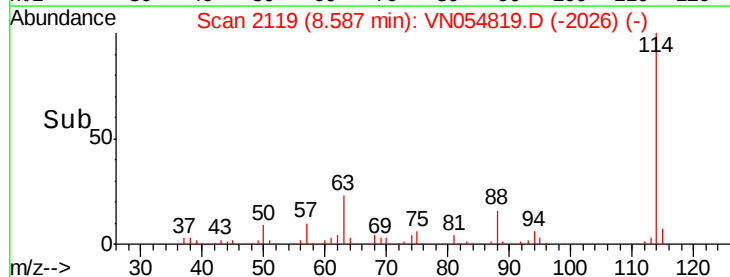
300000

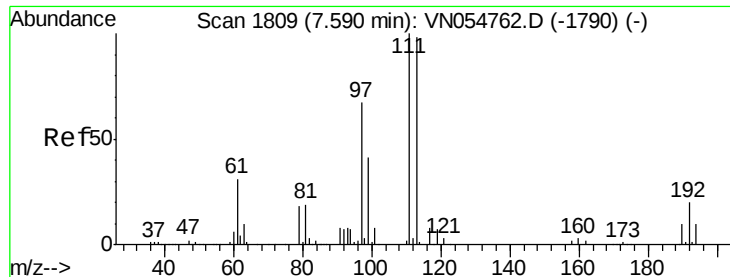
200000

100000

0

Time-->

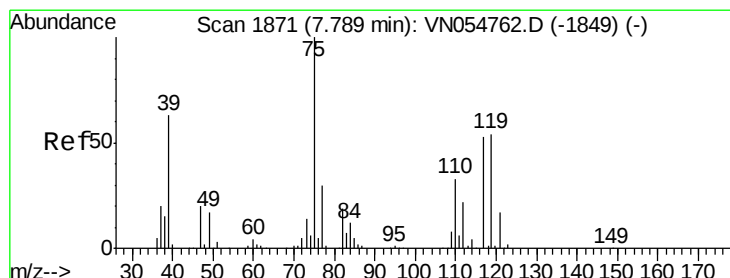
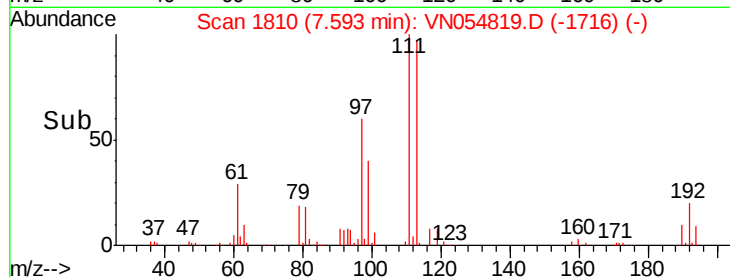
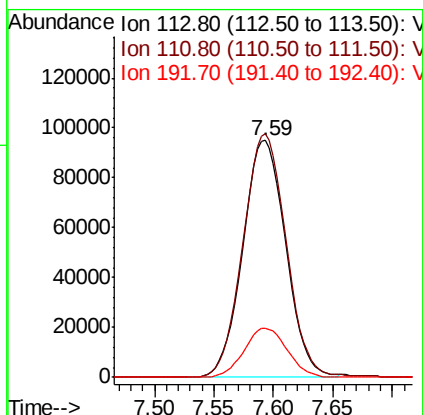
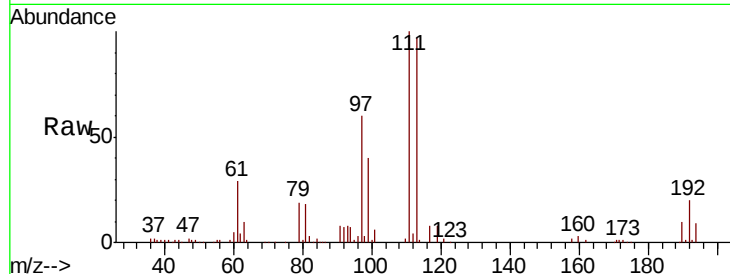




#35
Dibromofluoromethane
Concen: 49.487 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

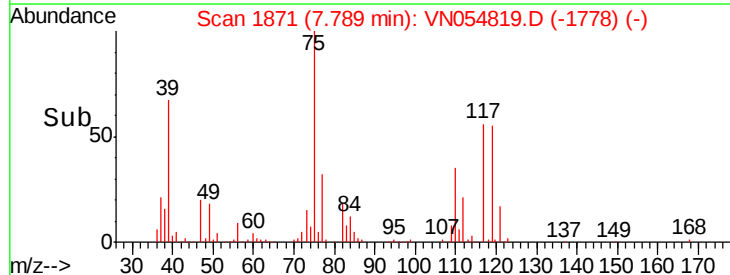
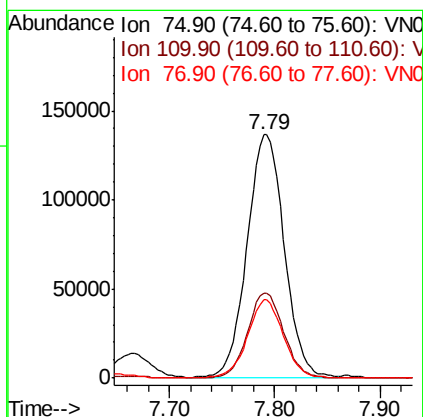
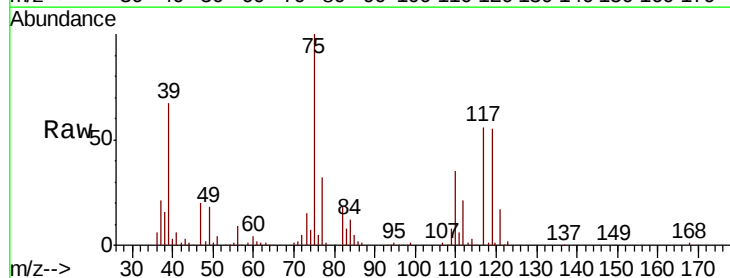
Instrument :
MSVOA_N
ClientSampleId :

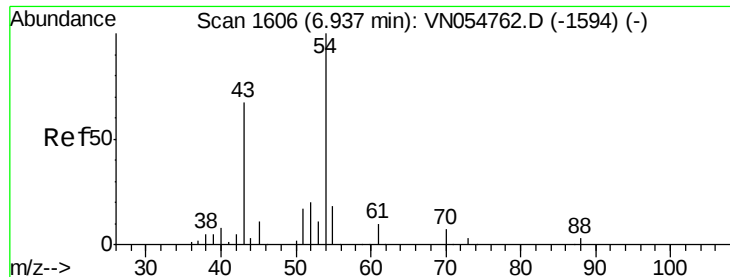
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	20.7	19.2	28.8



#36
1,1-Dichloropropene
Concen: 49.489 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	19.1	57.5
77	31.7	25.0	37.4

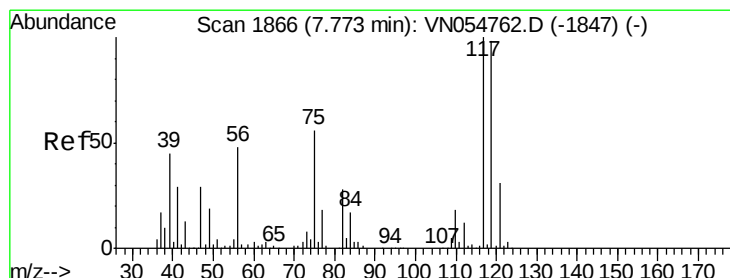
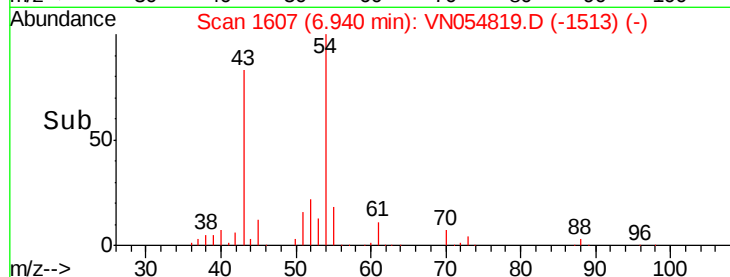
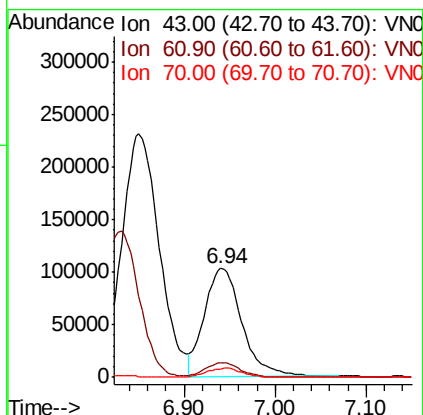
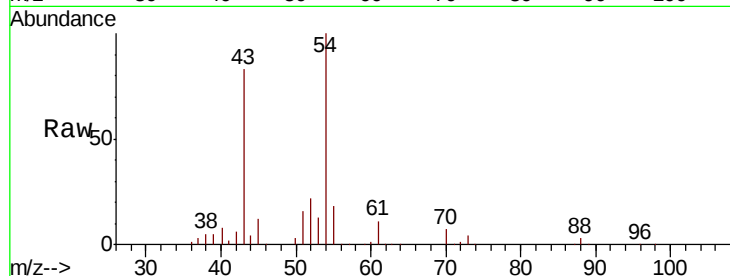




#37
Ethyl Acetate
Concen: 59.685 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

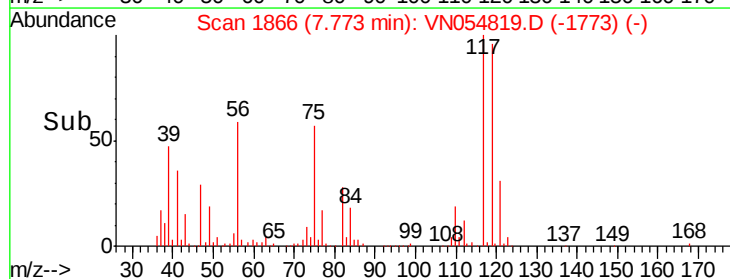
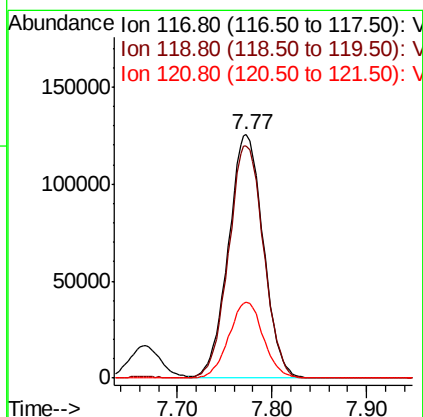
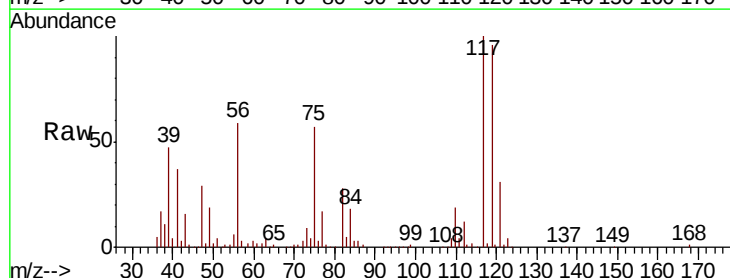
Instrument :
MSVOA_N
ClientSampled :

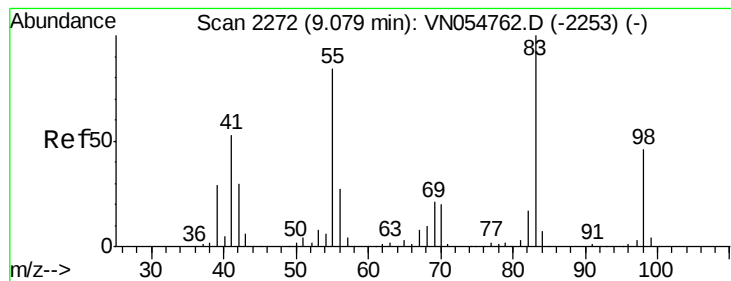
Tot Ion: 43 Resp: 294107
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 8.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 49.346 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 117 Resp: 322062
Ion Ratio Lower Upper
117 100
119 95.5 76.3 114.5
121 31.0 24.6 36.8

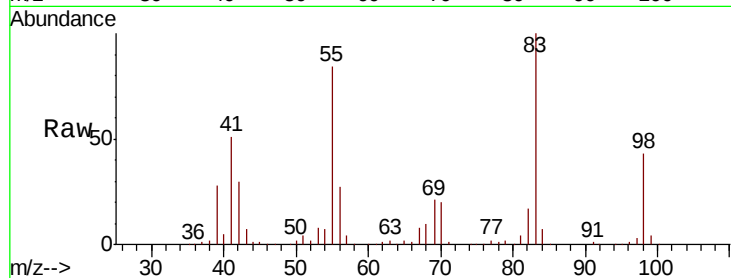




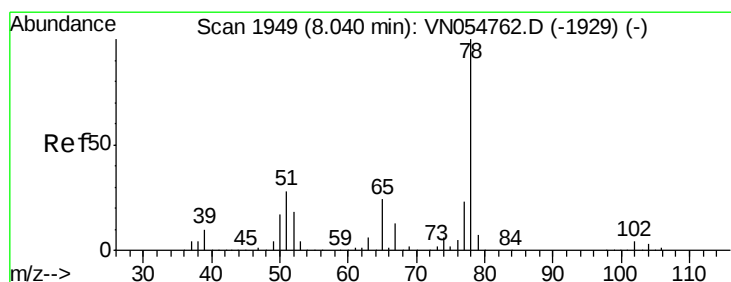
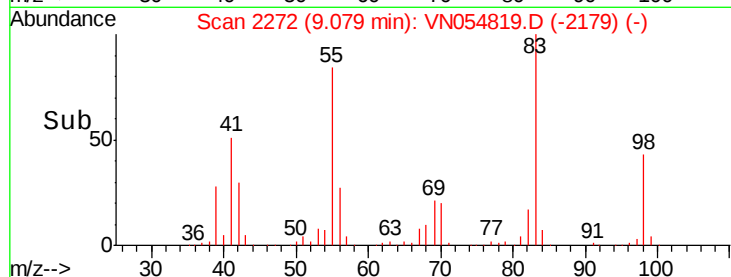
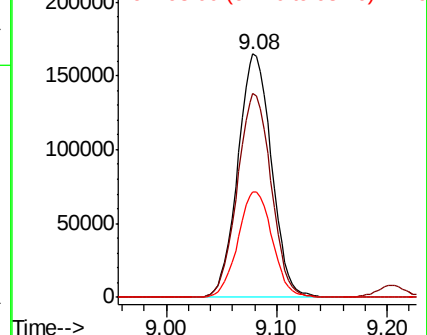
#39
Methvlcvclohexane
Concen: 47.162 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 348412
Ion Ratio Lower Upper
83 100
55 83.9 56.6 84.8
98 43.3 38.4 57.6

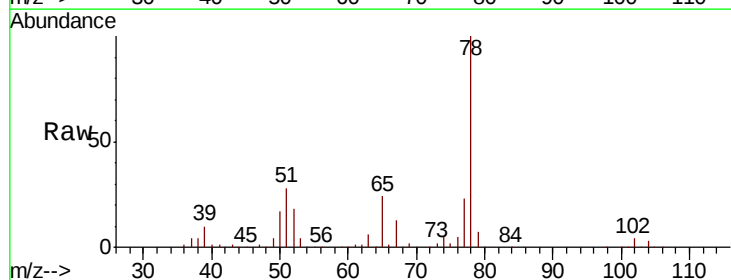


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

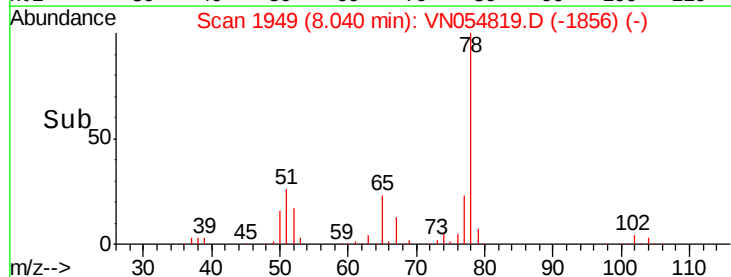
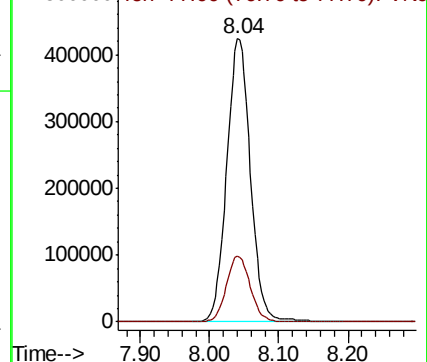


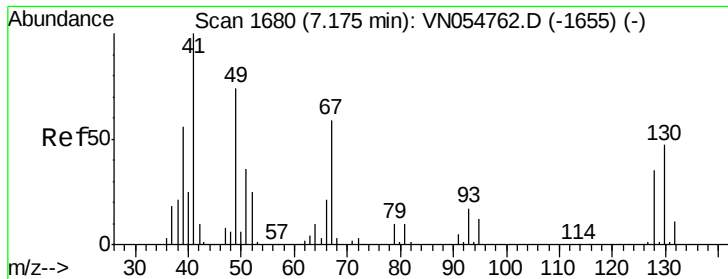
#40
Benzene
Concen: 52.654 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 78 Resp: 1012396
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

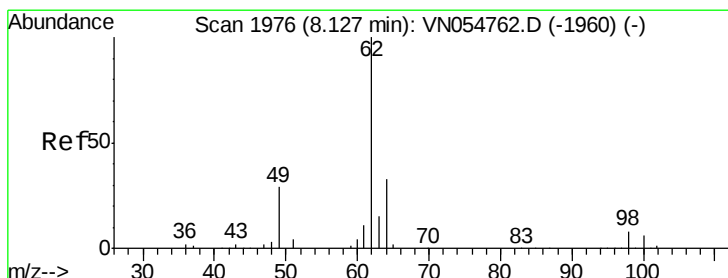
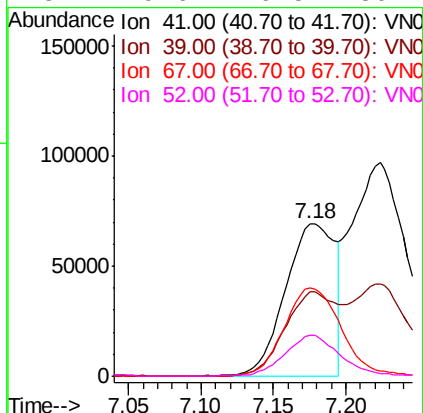
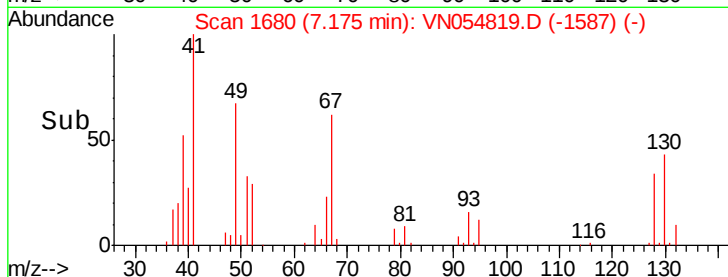
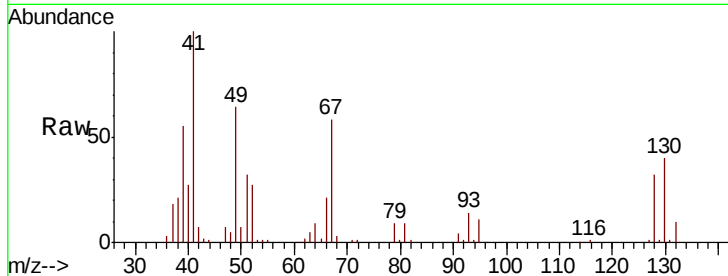




#41
Methacrylonitrile
Concen: 59.338 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

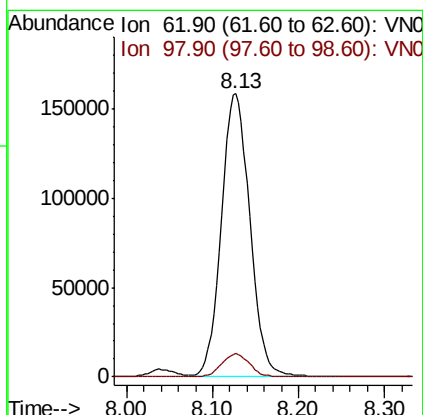
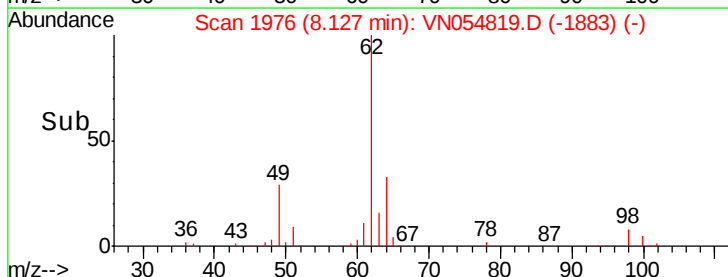
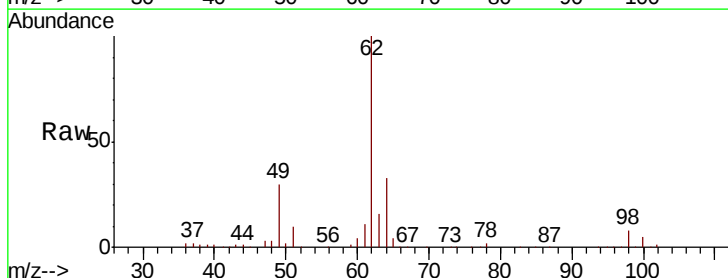
Instrument :
MSVOA_N
ClientSampled :

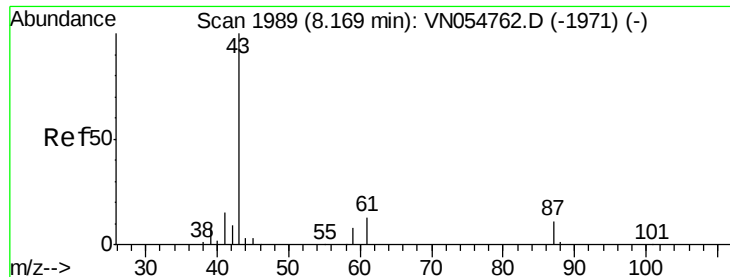
Tot Ion: 41 Resp: 164256
Ion Ratio Lower Upper
41 100
39 58.5 46.8 70.2
67 66.8 67.0 100.4#
52 29.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 53.196 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 62 Resp: 365207
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 62.323 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

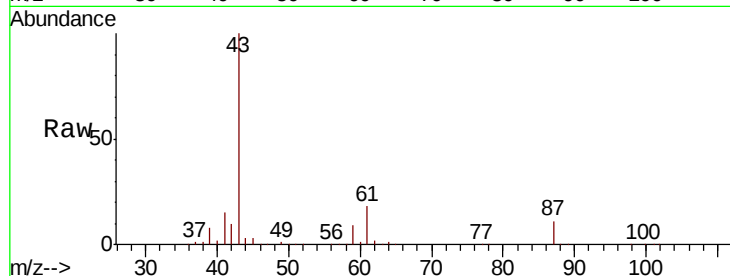
Tot Ion: 43 Resp: 499005

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

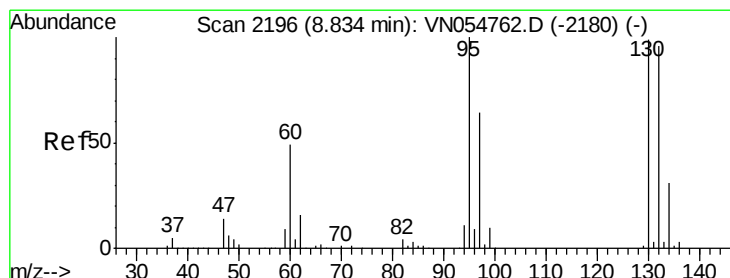
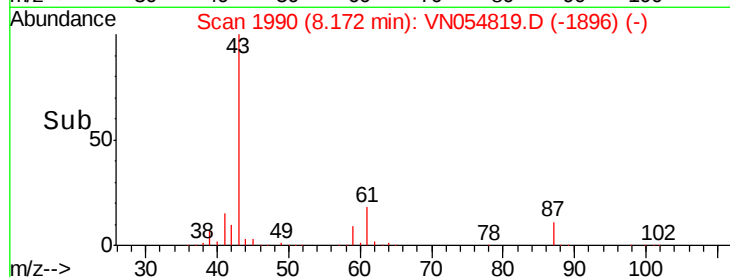
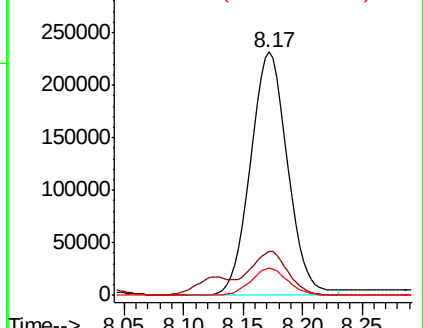
87 11.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)



#44

Trichloroethene

Concen: 50.720 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054819.D

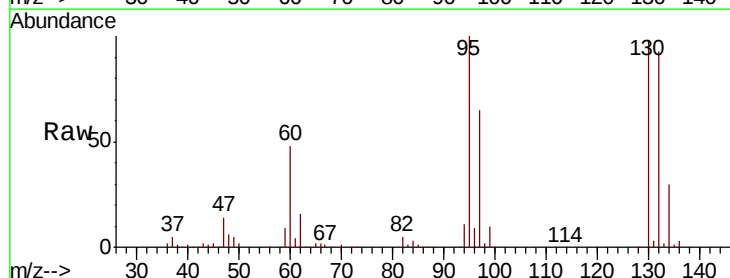
Acq: 30 Mar 2019 23:04

Tgt Ion:130 Resp: 253156

Ion Ratio Lower Upper

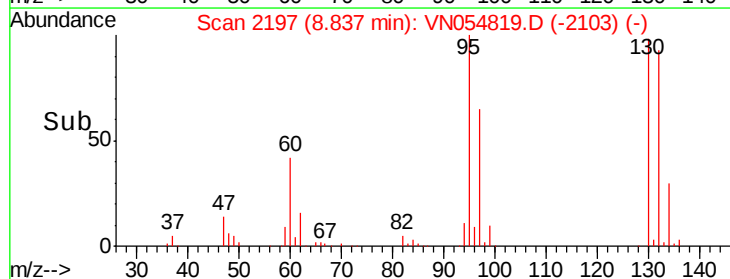
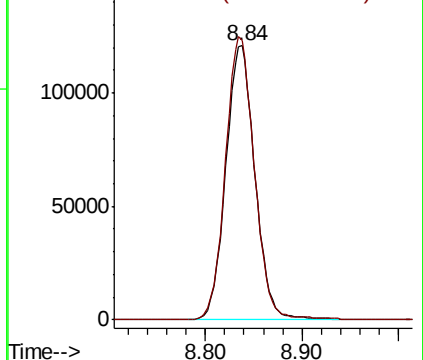
130 100

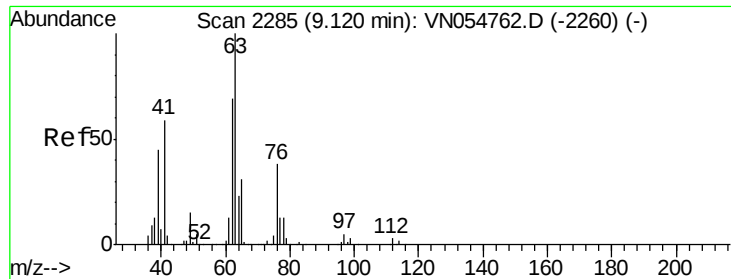
95 102.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 52.027 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

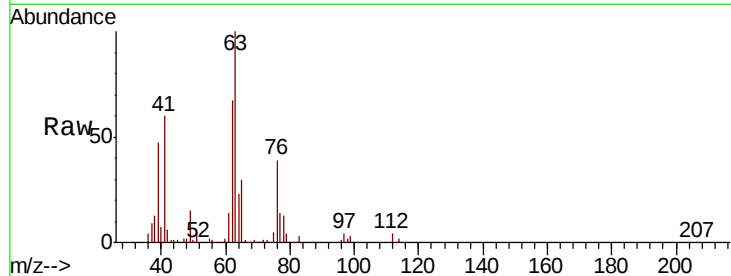
ClientSampleId :

Tot Ion: 63 Resp: 285242

Ion Ratio Lower Upper

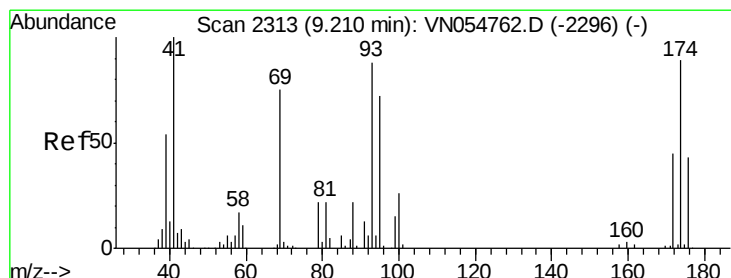
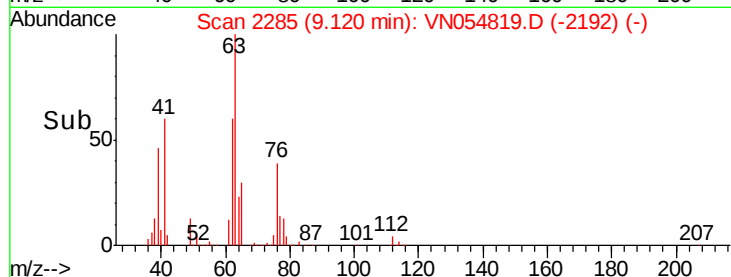
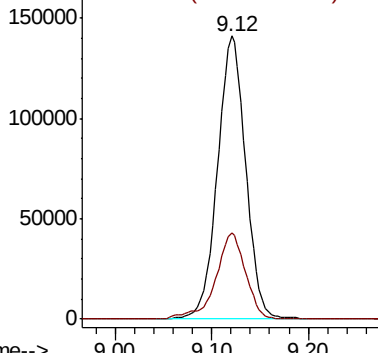
63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 53.950 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

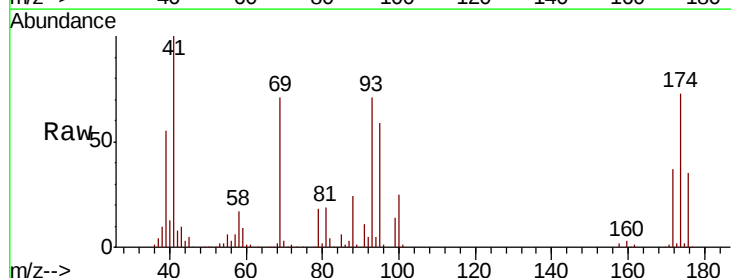
Tgt Ion: 93 Resp: 166389

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

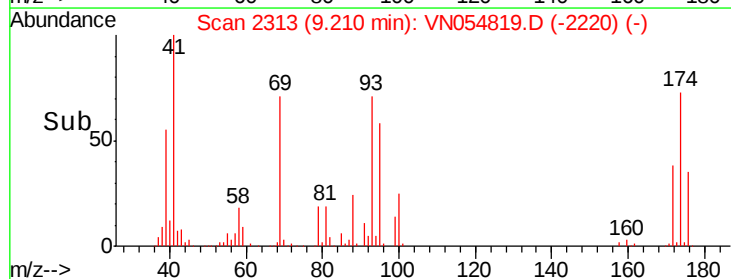
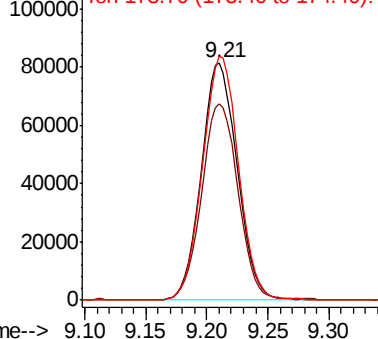
174 102.8 98.5 147.7

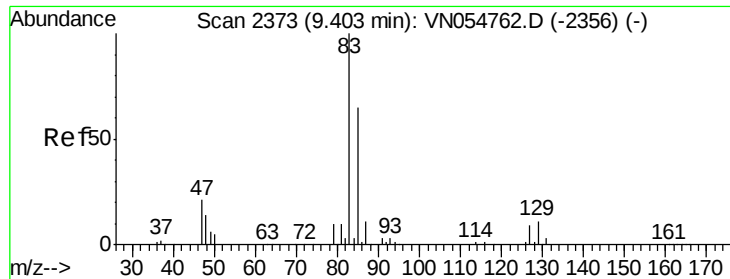


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 54.522 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

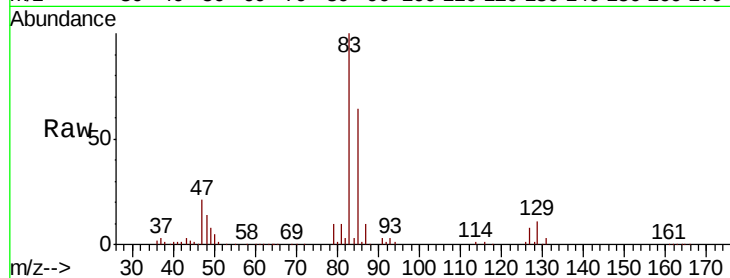
Tot Ion: 83 Resp: 349471

Ion Ratio Lower Upper

83 100

85 63.8 52.8 79.2

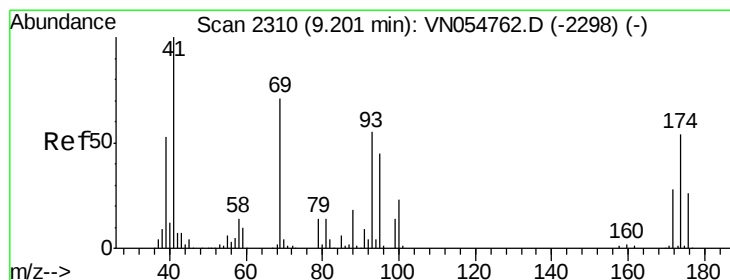
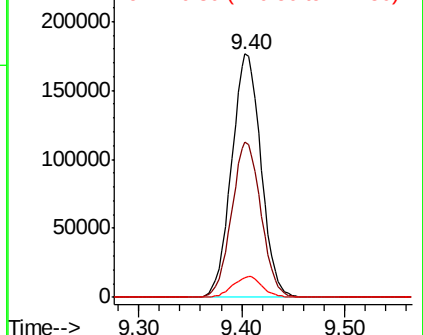
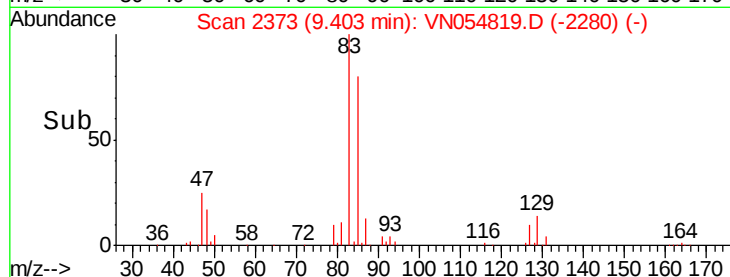
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054819.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054819.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054819.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.956 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

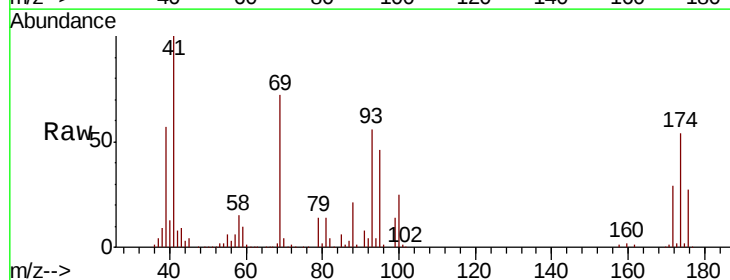
Tgt Ion: 41 Resp: 251547

Ion Ratio Lower Upper

41 100

69 74.3 72.6 108.8

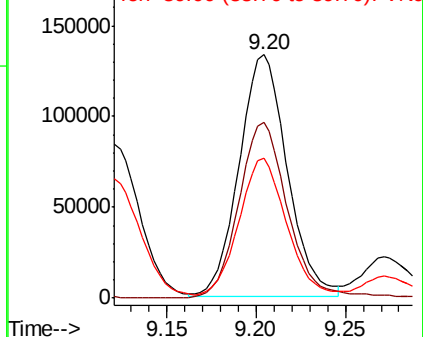
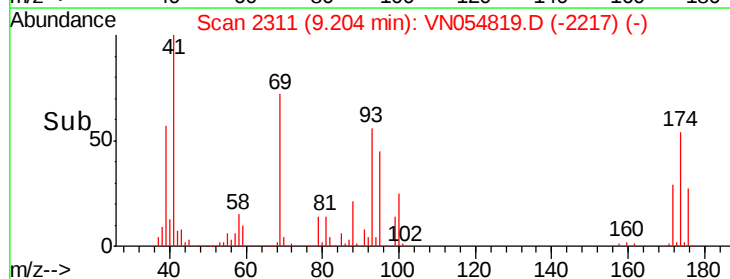
39 57.4 47.5 71.3

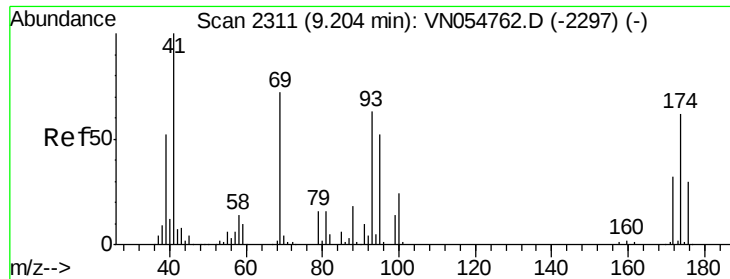


Abundance Ion 41.00 (40.70 to 41.70): VN054819.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054819.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054819.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1355.566 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

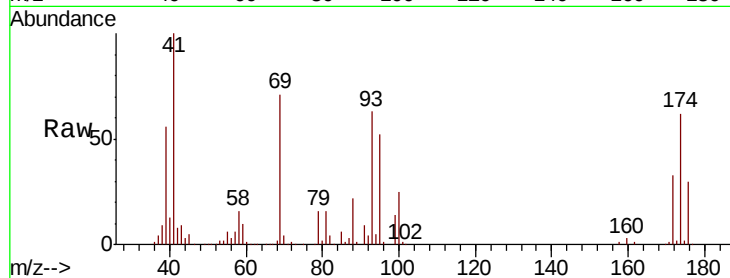
Tot Ion: 88 Resp: 58378

Ion Ratio Lower Upper

88 100

43 37.0 24.1 36.1#

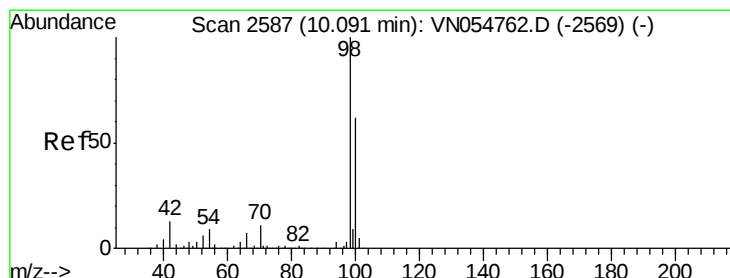
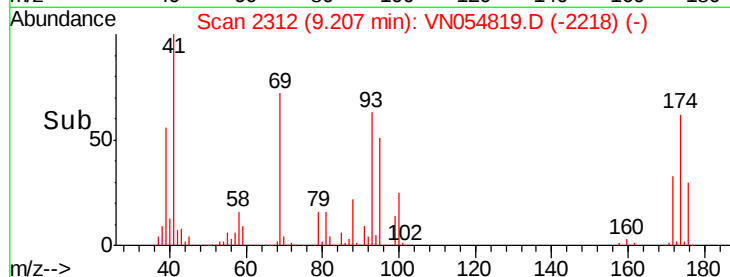
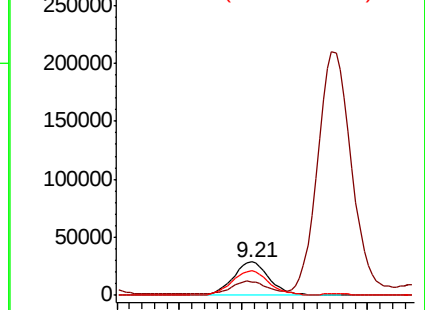
58 74.1 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054762.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054762.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2297) (-)



#50

Toluene-d8

Concen: 49.376 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054819.D

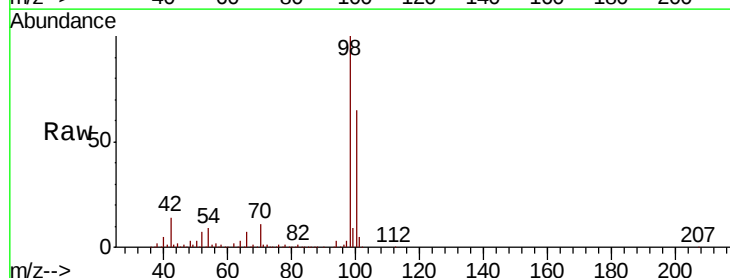
Acq: 30 Mar 2019 23:04

Tgt Ion: 98 Resp: 882564

Ion Ratio Lower Upper

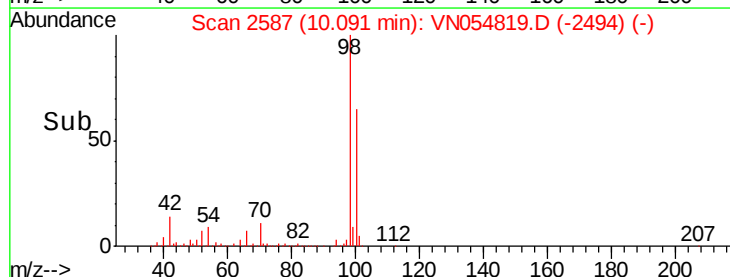
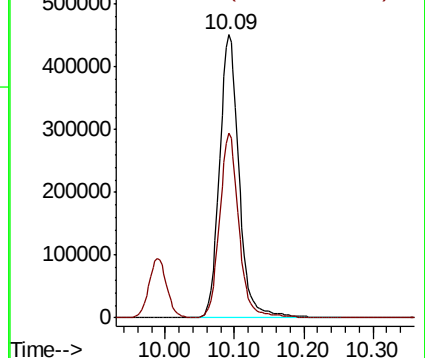
98 100

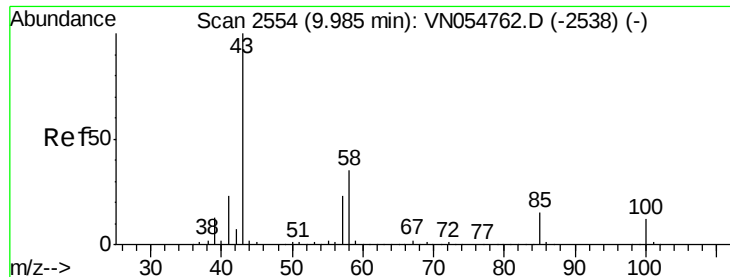
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 325.699 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

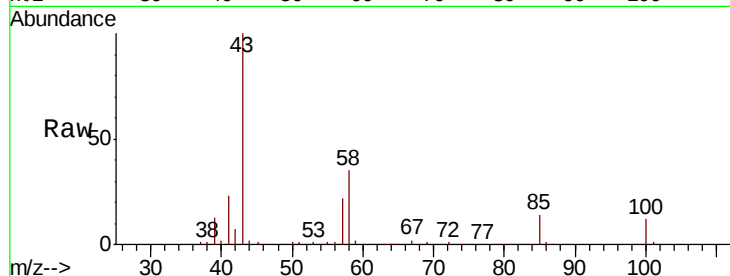
ClientSampled :

Tot Ion: 43 Resp: 1466177

Ion Ratio Lower Upper

43 100

58 34.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

800000

600000

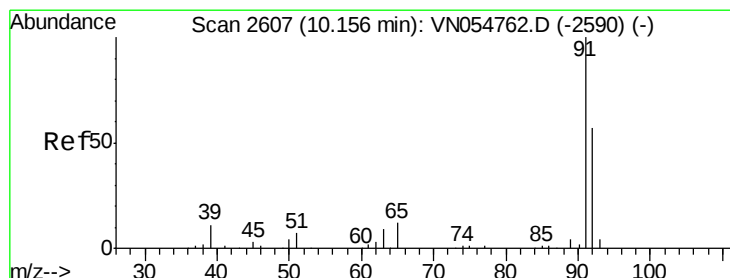
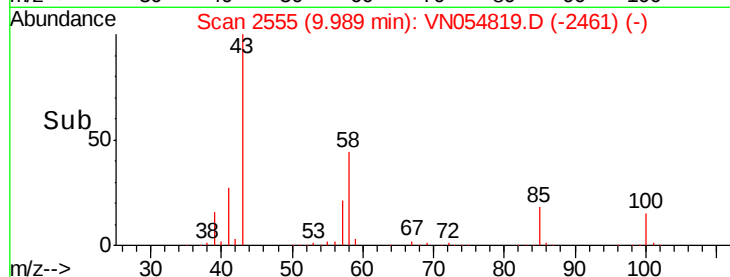
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 52.697 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054819.D

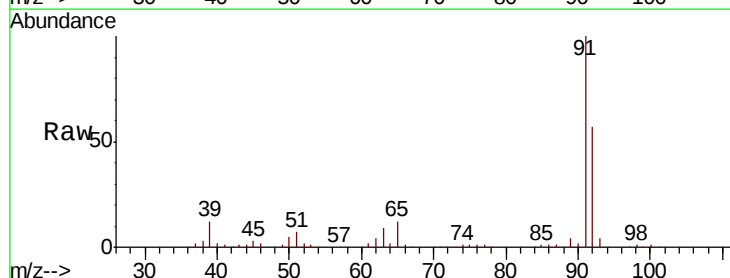
Acq: 30 Mar 2019 23:04

Tgt Ion: 92 Resp: 602917

Ion Ratio Lower Upper

92 100

91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

600000

500000

400000

300000

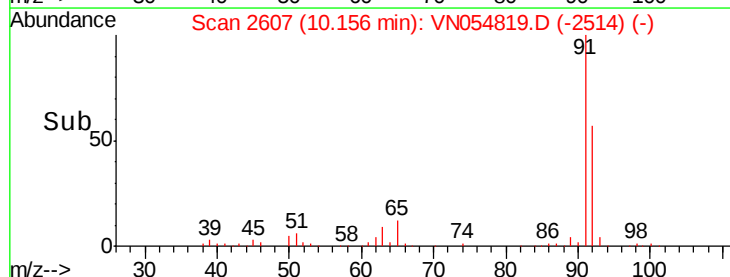
200000

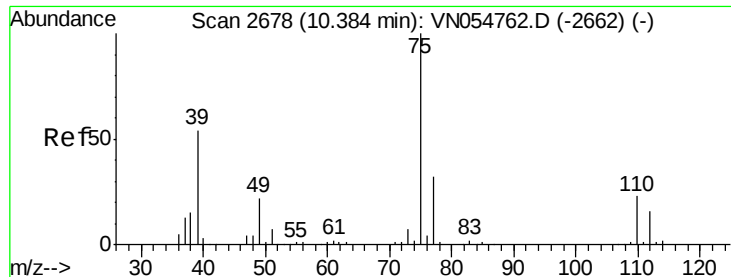
100000

0

10.00 10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.143 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

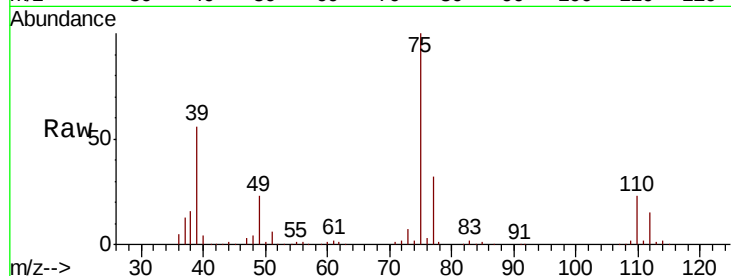
ClientSampled :

Tot Ion: 75 Resp: 320425

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

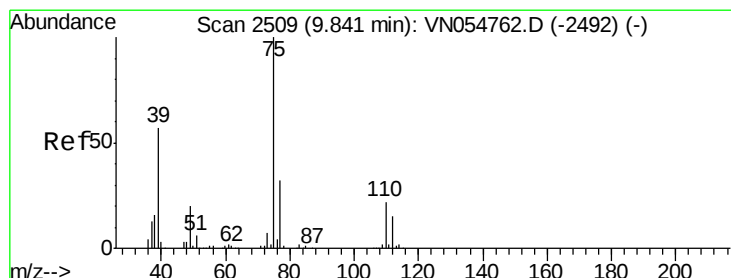
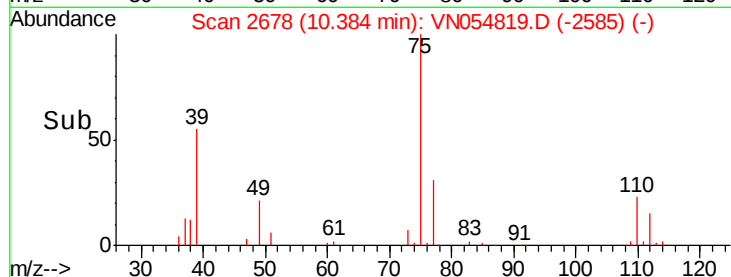
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.147 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

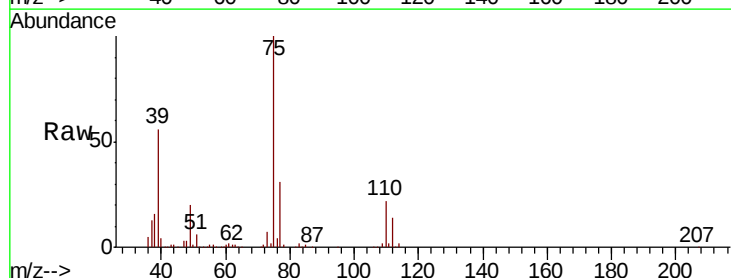
Tgt Ion: 75 Resp: 382788

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 56.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

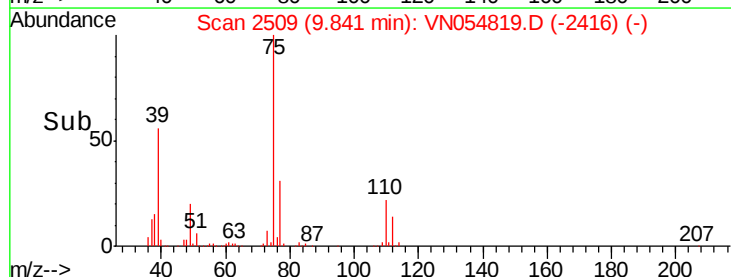
150000

100000

50000

0

Time-->

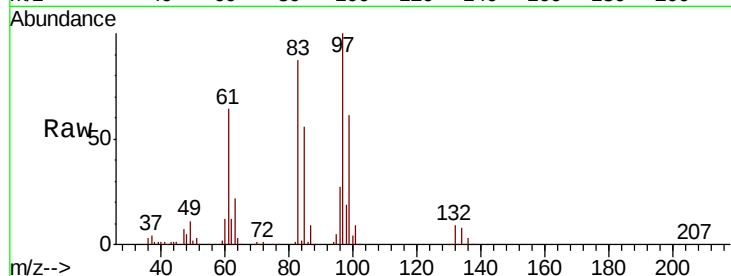




#55
 1,1,2-Trichloroethane
 Concen: 54.590 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	232237
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.3	44.4	66.6
99	60.8	50.8	76.2



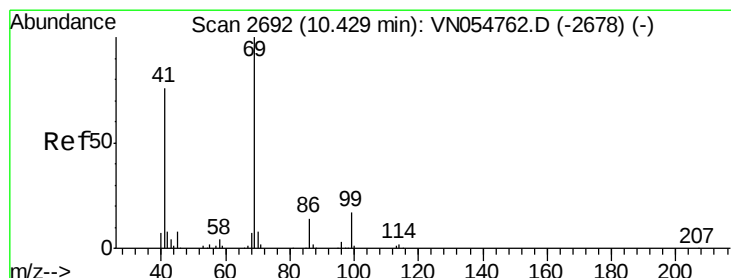
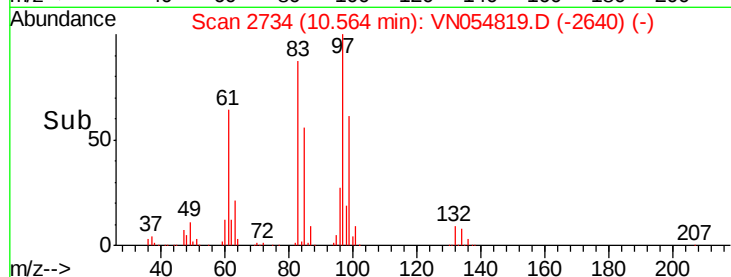
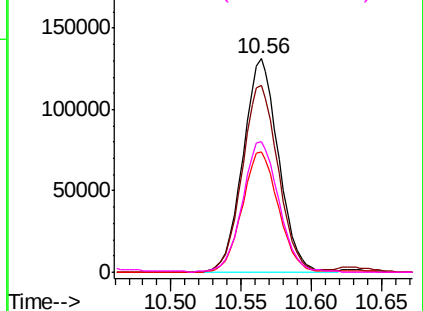
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

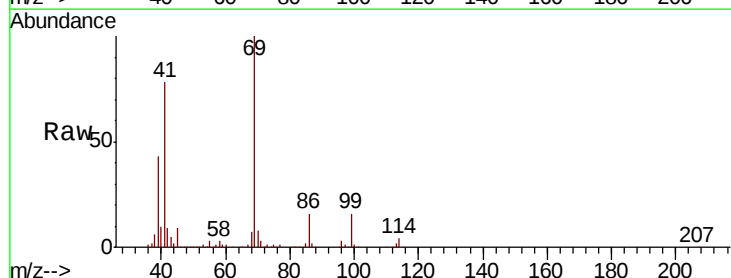
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 59.274 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion:	69	Resp:	330789
Ion	Ratio	Lower	Upper
69	100		
41	75.4	49.4	74.2#
39	42.4	28.3	42.5

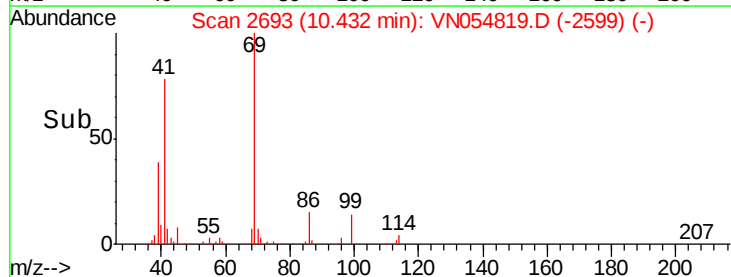
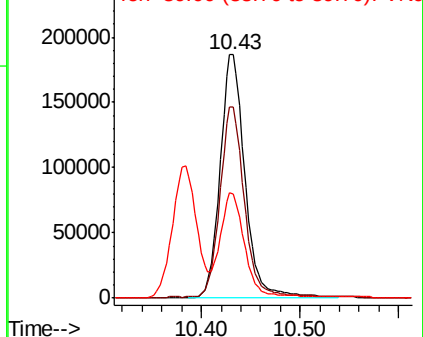


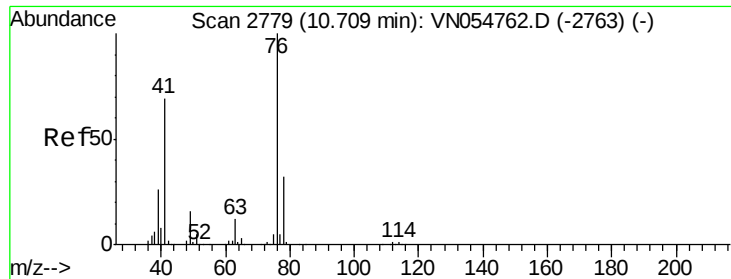
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.140 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

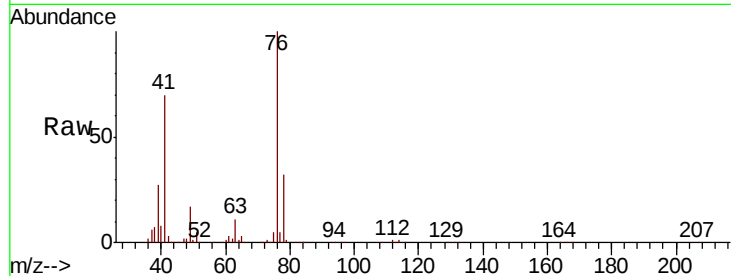
ClientSampled :

Tot Ion: 76 Resp: 403291

Ion Ratio Lower Upper

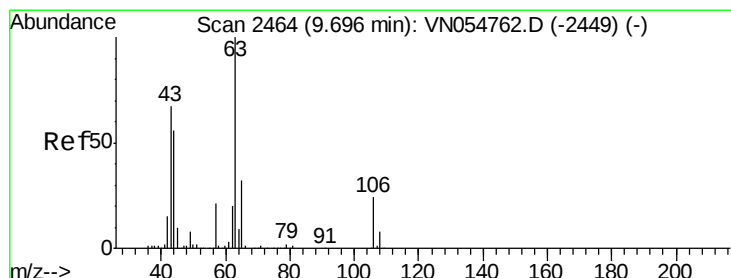
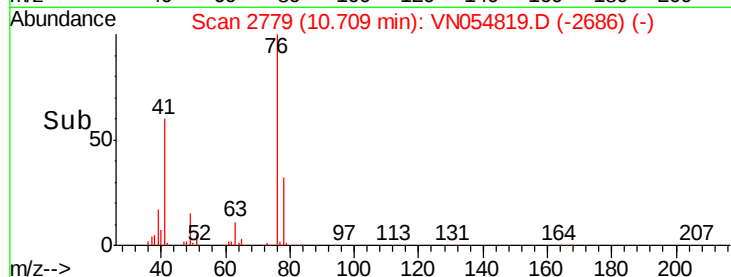
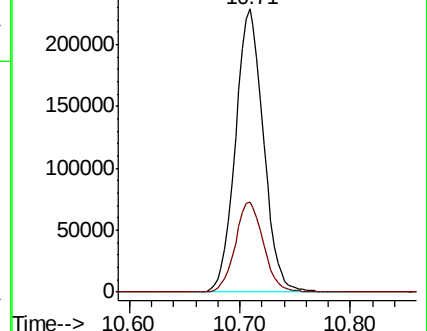
76 100

78 32.1 25.7 38.5



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: 265.013 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054819.D

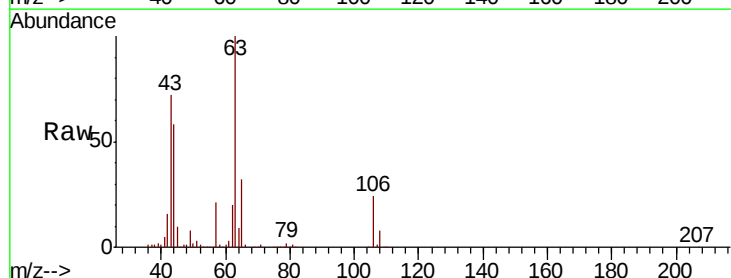
Acq: 30 Mar 2019 23:04

Tgt Ion: 63 Resp: 638632

Ion Ratio Lower Upper

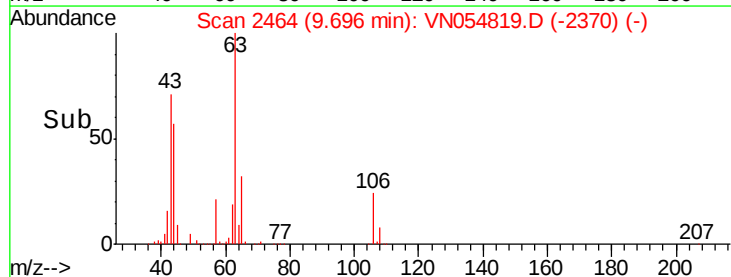
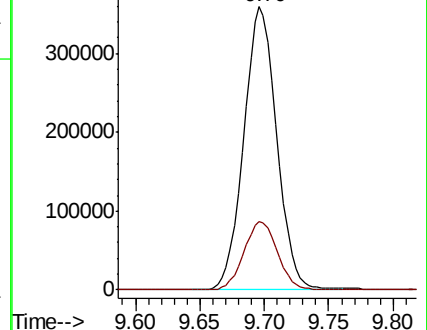
63 100

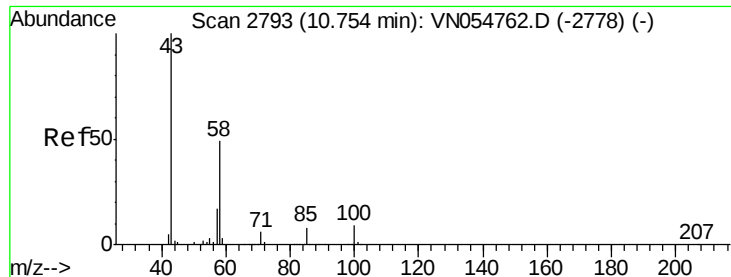
106 24.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

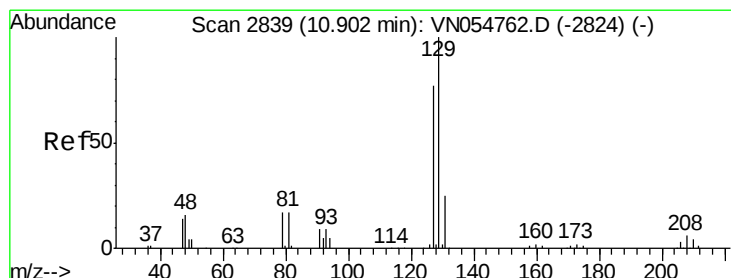
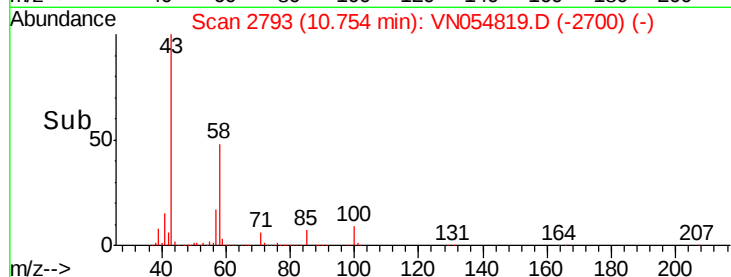
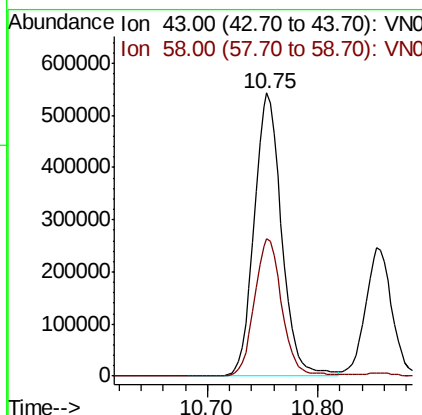
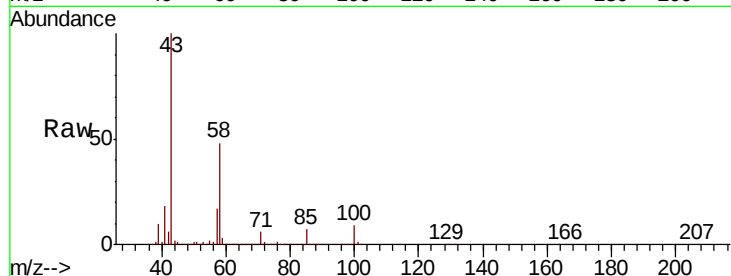




#59
2-Hexanone
Concen: 322.854 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

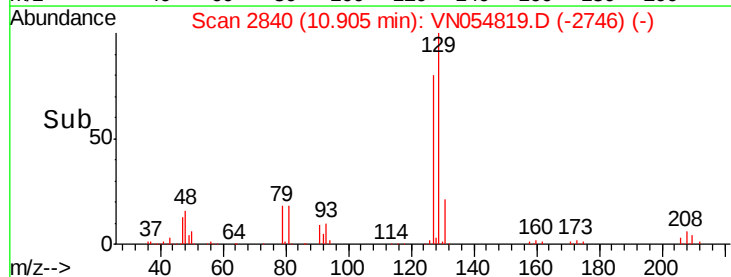
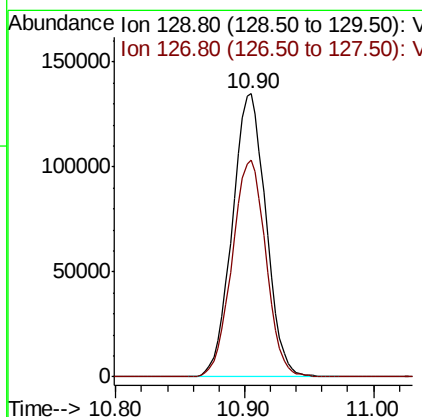
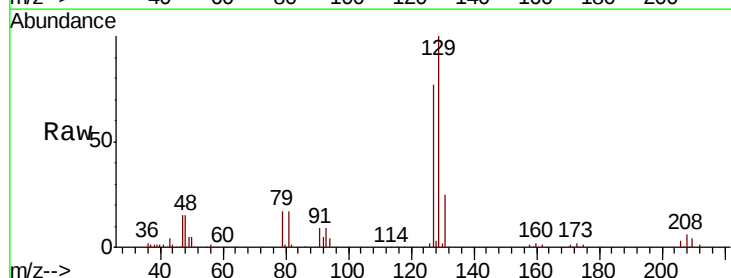
Instrument :
MSVOA_N
ClientSampleId :

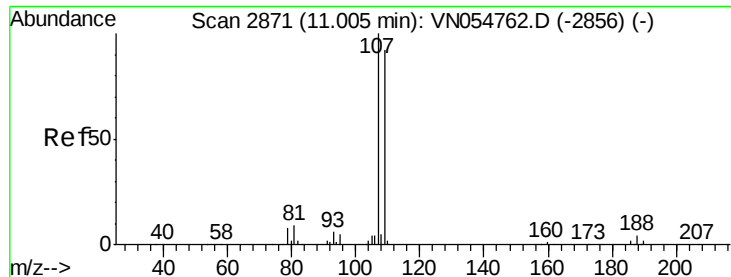
Tot Ion: 43 Resp: 930390
Ion Ratio Lower Upper
43 100
58 48.8 28.0 83.9



#60
Dibromochloromethane
Concen: 56.848 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 129 Resp: 244981
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 56.038 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

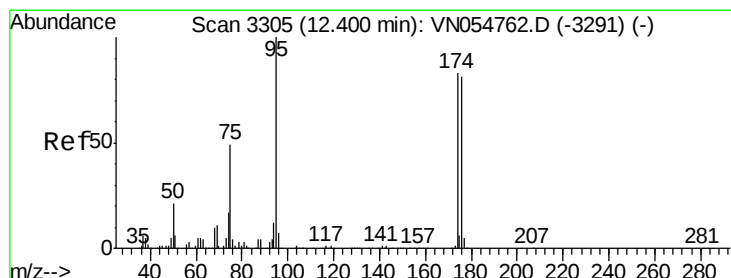
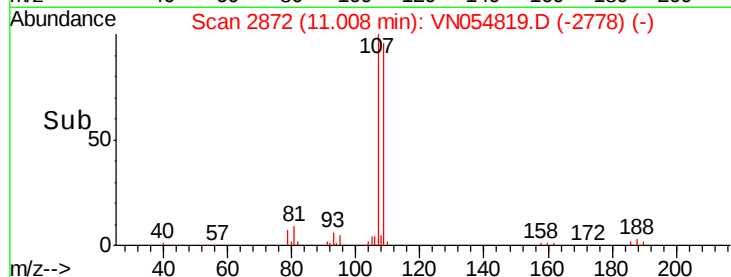
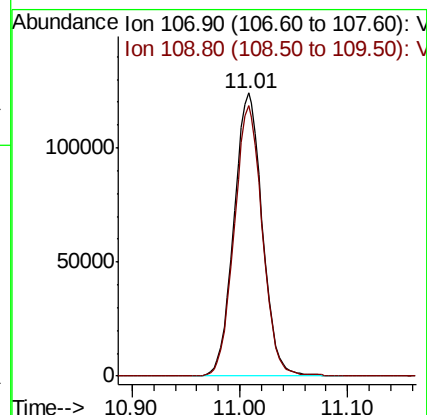
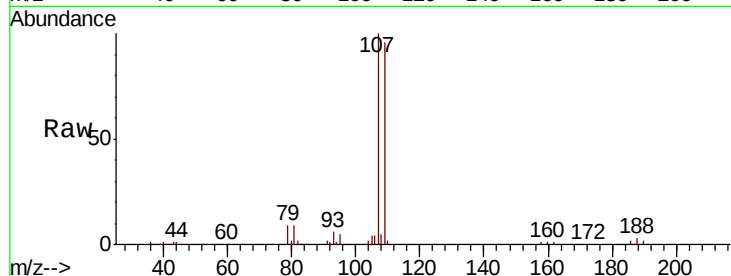
ClientSampled :

Tot Ion:107 Resp: 227828

Ion Ratio Lower Upper

107 100

109 94.6 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 49.749 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

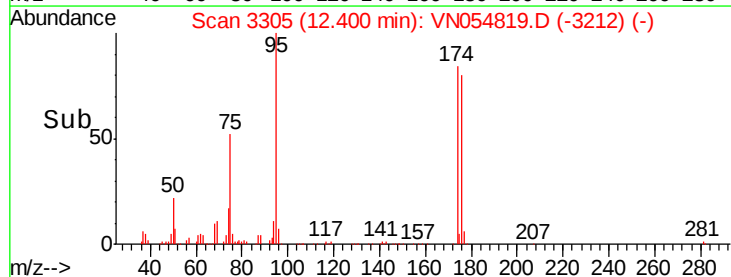
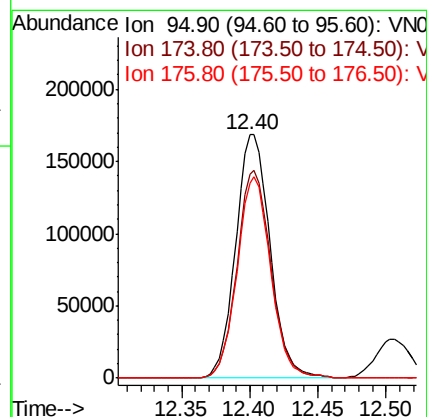
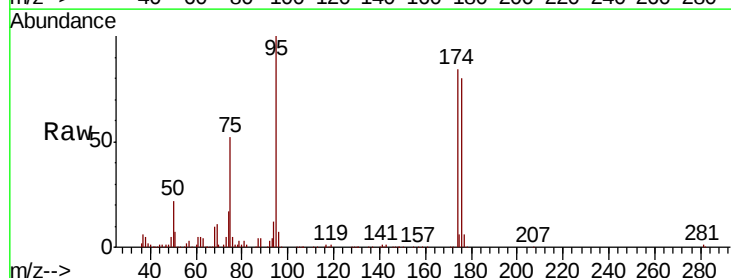
Tgt Ion: 95 Resp: 295736

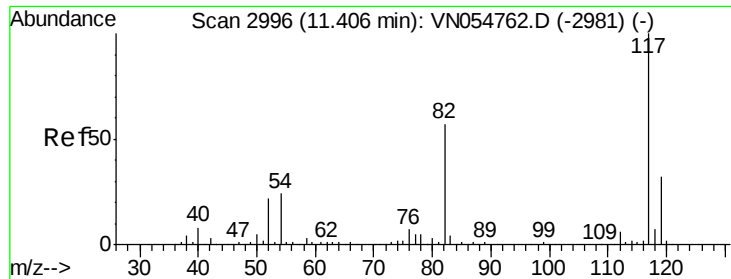
Ion Ratio Lower Upper

95 100

174 84.3 0.0 191.0

176 80.9 0.0 187.4

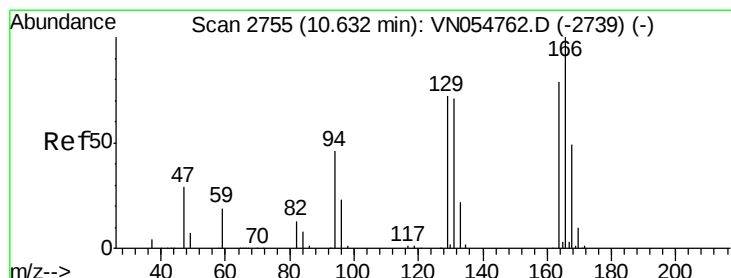
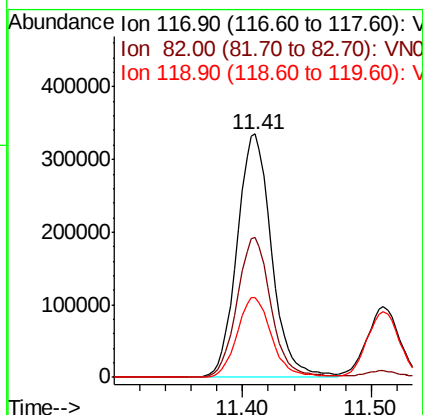
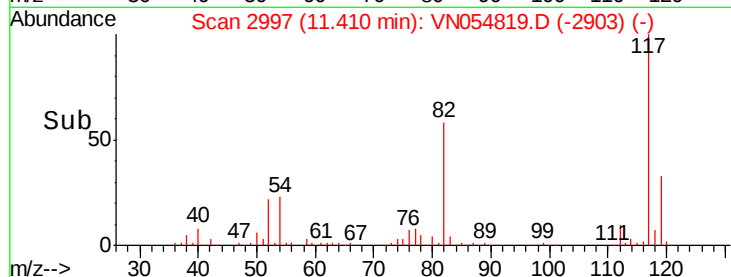
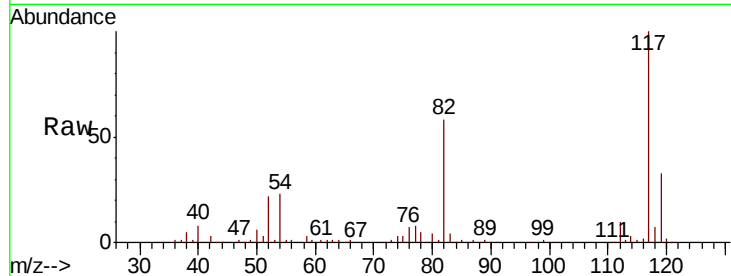




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

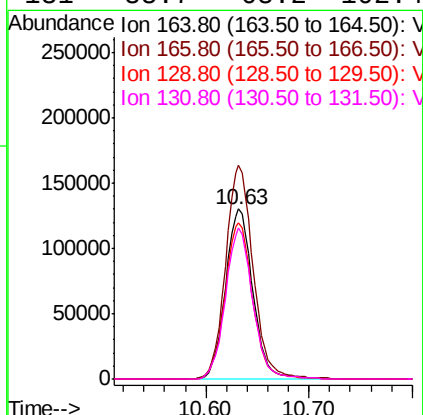
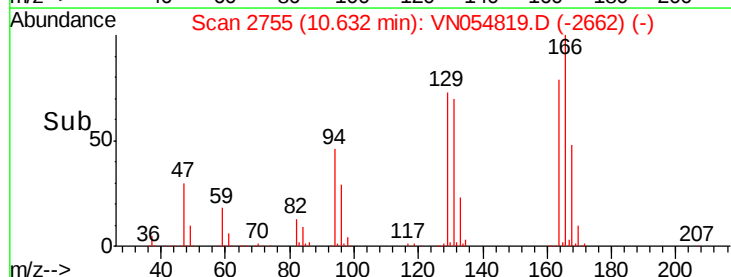
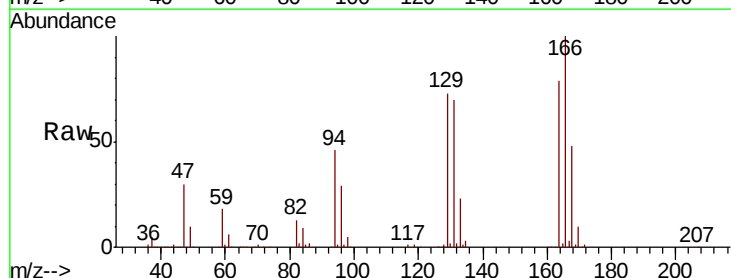
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 624361
Ion Ratio Lower Upper
117 100
82 57.6 40.0 60.0
119 32.9 25.8 38.6



#64
Tetrachloroethene
Concen: 50.307 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:164 Resp: 241028
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 92.2 71.1 106.7
131 88.7 68.2 102.4

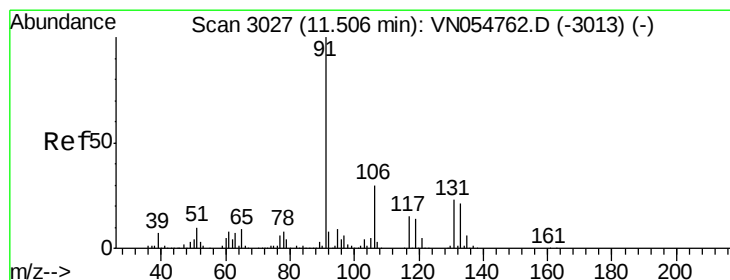
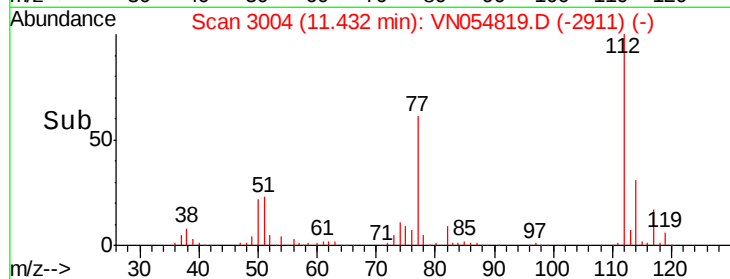
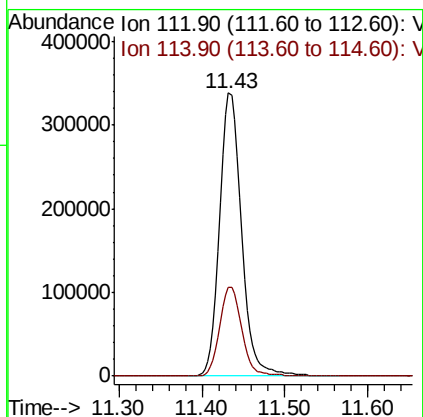
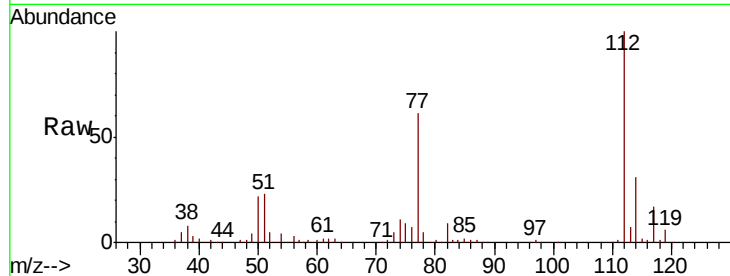




#65
Chlorobenzene
Concen: 50.717 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

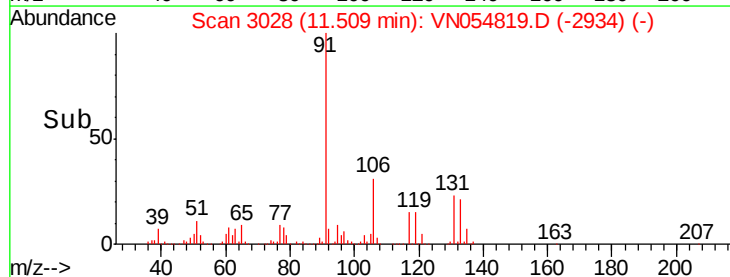
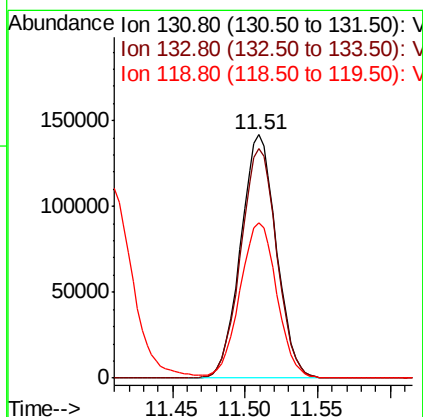
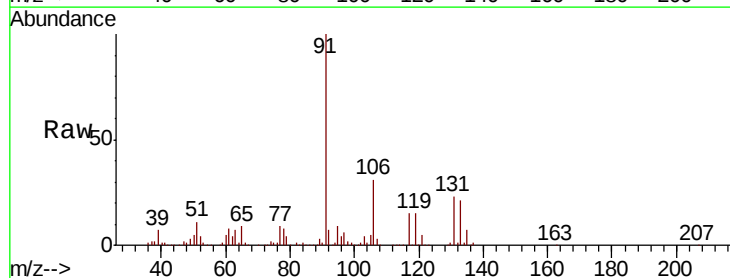
Instrument :
MSVOA_N
ClientSampled :

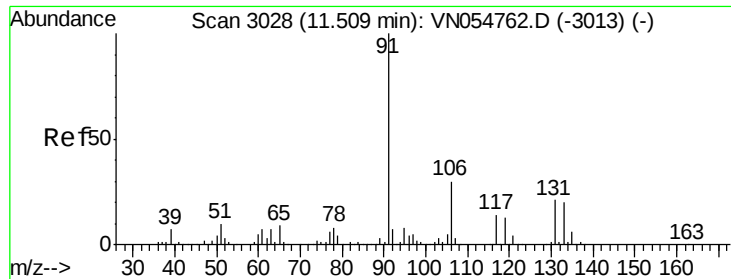
Tot Ion:112 Resp: 619978
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.902 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:131 Resp: 242055
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.4 32.4 97.0

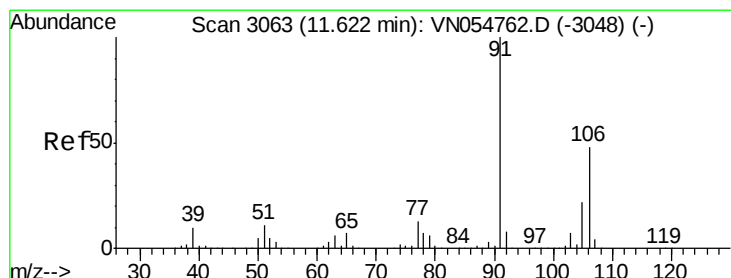
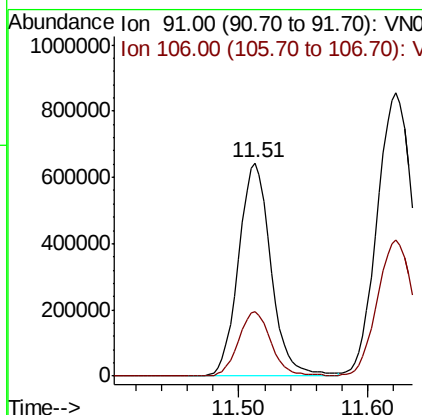
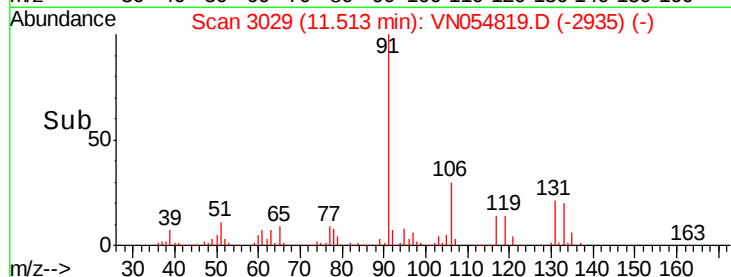
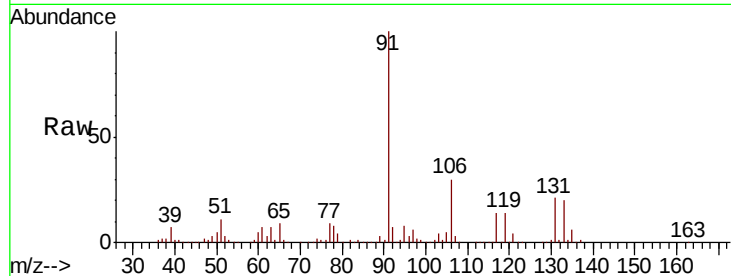




#67
Ethyl Benzene
Concen: 51.059 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

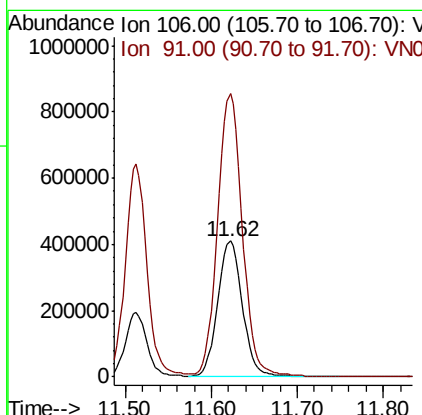
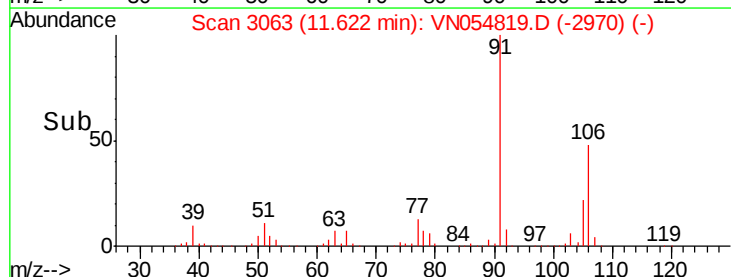
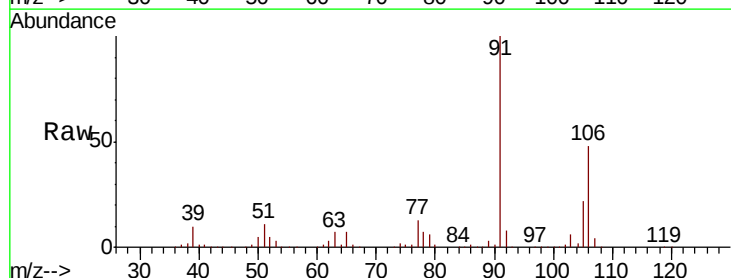
Instrument :
MSVOA_N
ClientSampled :

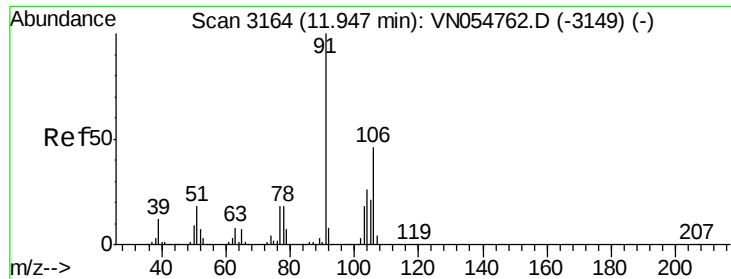
Tot Ion: 91 Resp: 1126337
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 101.446 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 106 Resp: 828141
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2

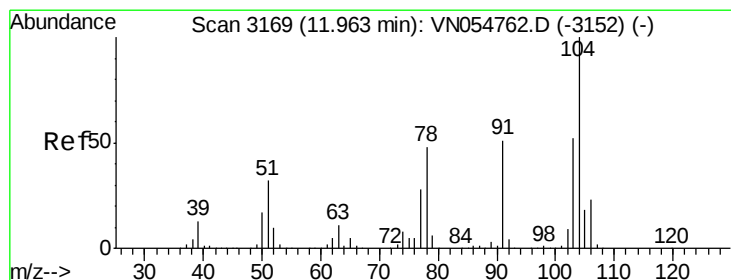
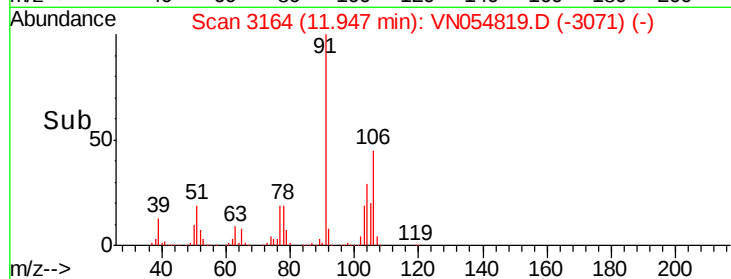
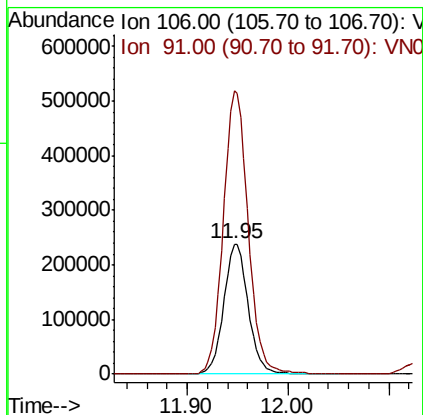
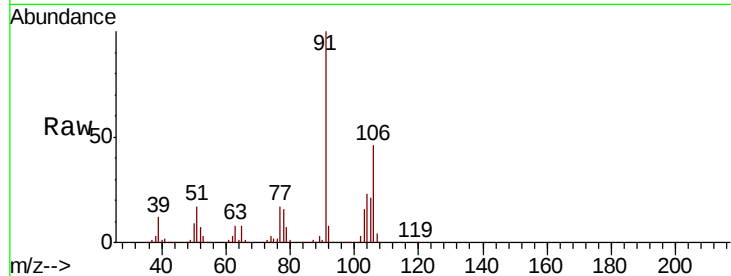




#69
o-Xylene
Concen: 50.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

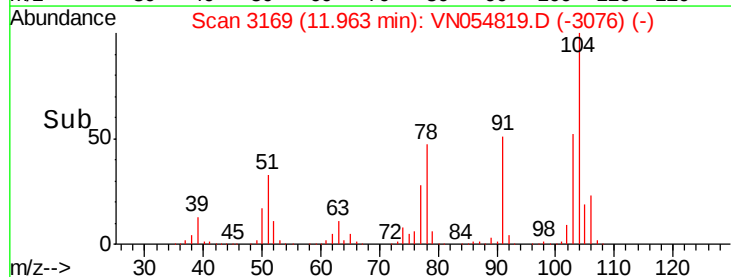
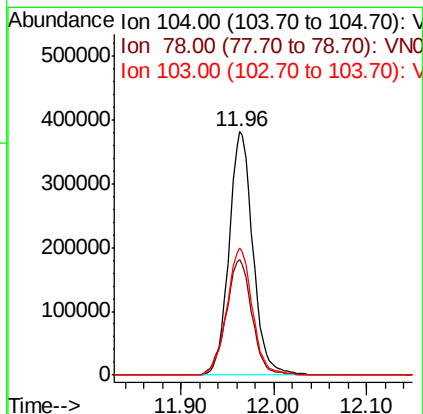
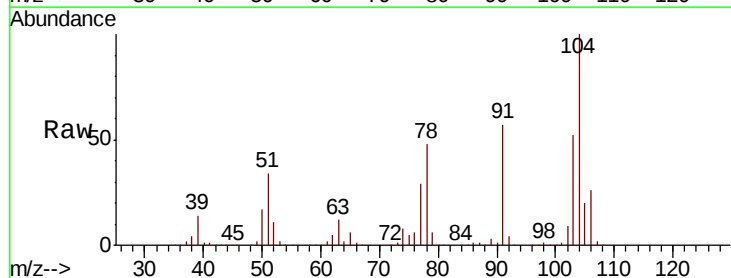
Instrument :
MSVOA_N
ClientSampled :

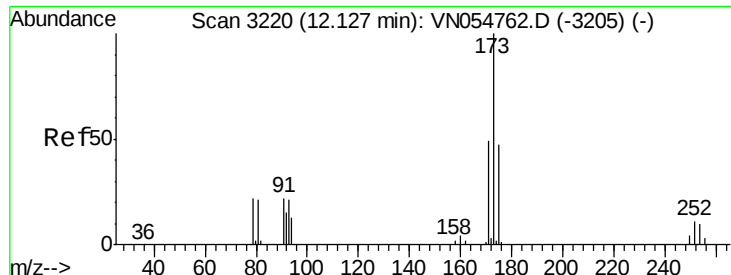
Tot Ion:106 Resp: 403588
Ion Ratio Lower Upper
106 100
91 221.2 105.7 317.1



#70
Styrene
Concen: 53.138 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:104 Resp: 680130
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 56.1 44.4 66.6

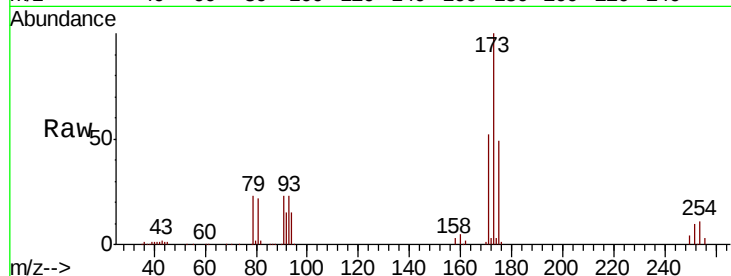




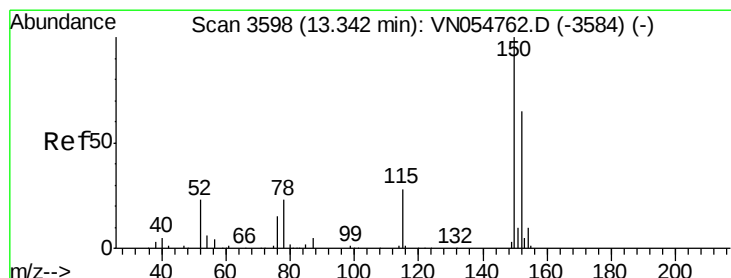
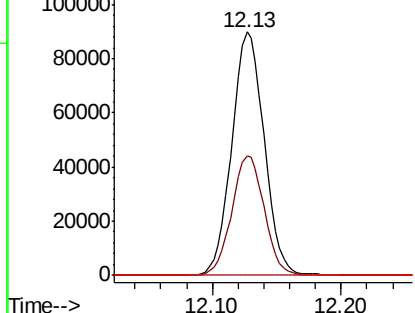
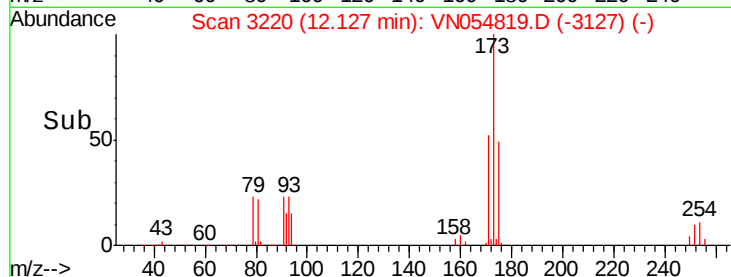
#71
Bromoform
Concen: 58.391 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 156519
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.2
254 0.0 0.1 0.1#

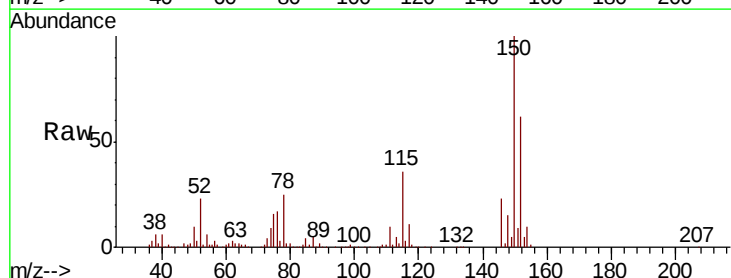


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

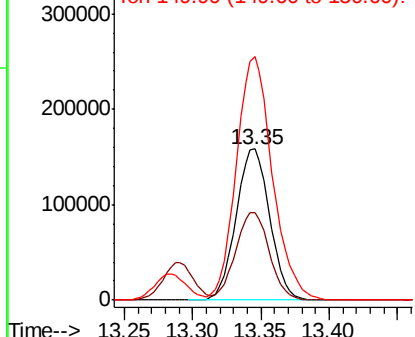
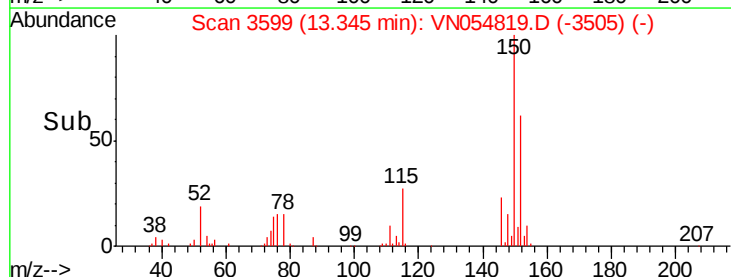


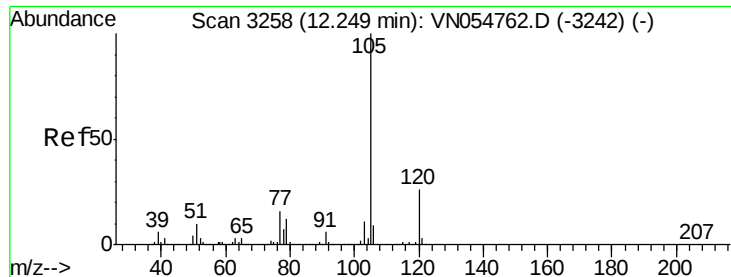
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:152 Resp: 270622
Ion Ratio Lower Upper
152 100
115 58.4 27.2 81.6
150 172.7 0.0 349.2



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





#73

Isopropylbenzene

Concen: 48.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

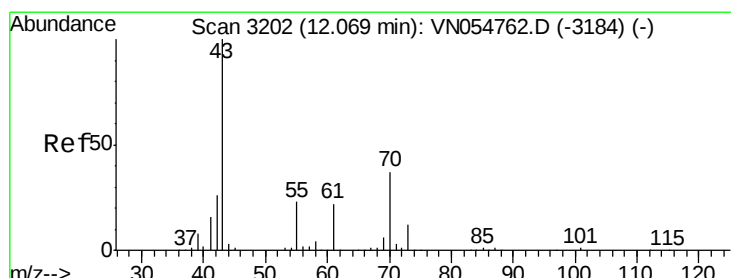
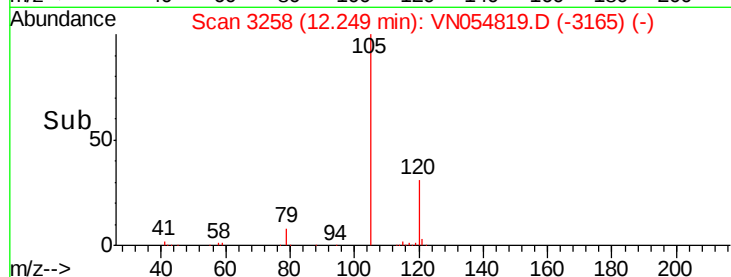
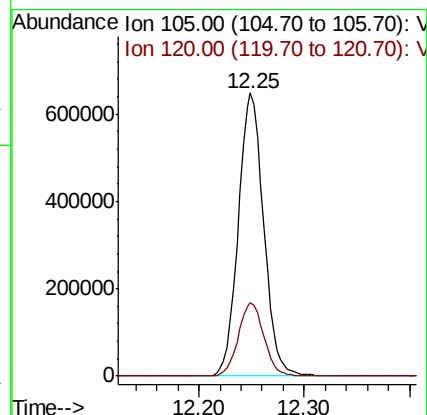
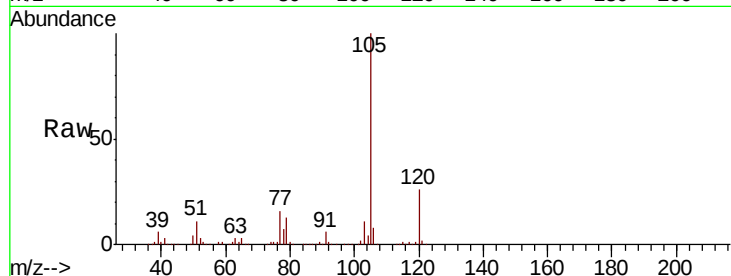
ClientSampleId :

Tot Ion:105 Resp: 1076578

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



#74

N-ethyl acetate

Concen: 58.100 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 400375

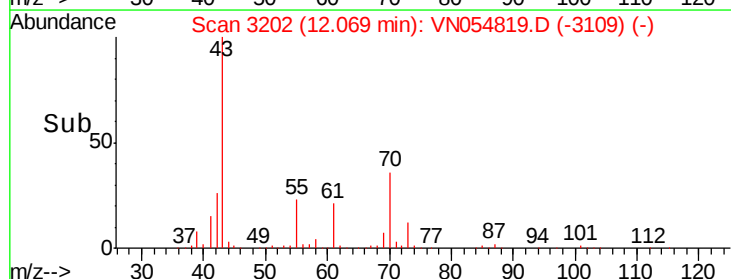
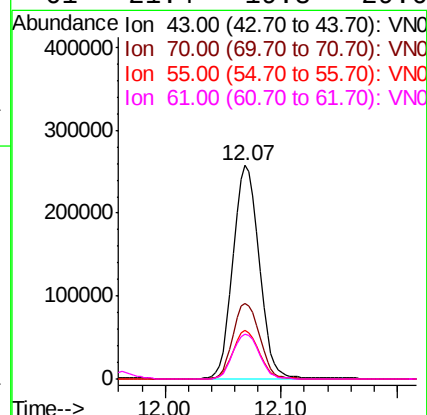
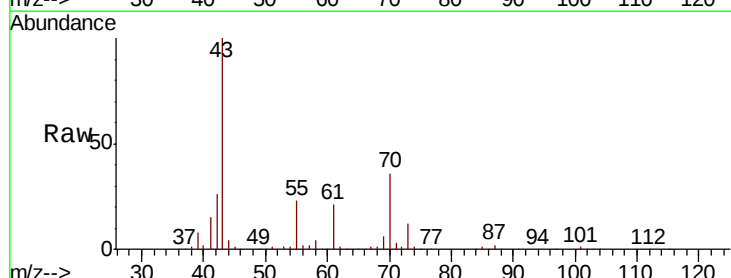
Ion Ratio Lower Upper

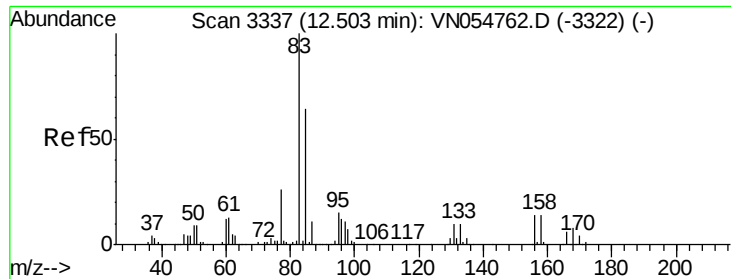
43 100

70 36.4 35.4 53.0

55 23.0 19.8 29.6

61 21.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.475 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

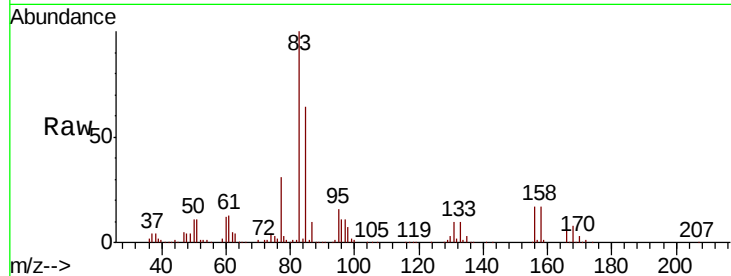
Tot Ion: 83 Resp: 293138

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

85 65.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)

12.51

150000

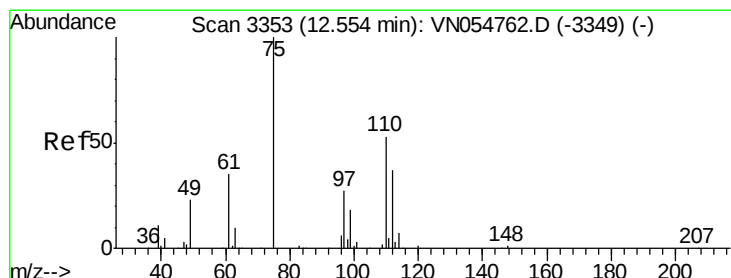
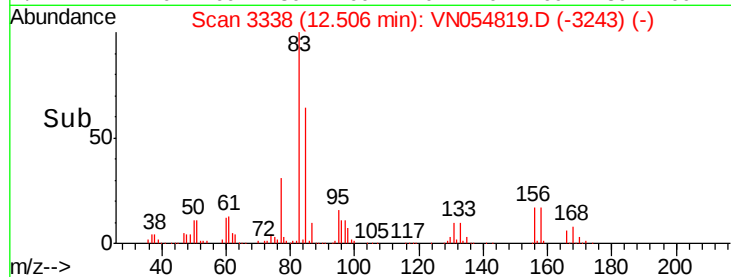
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.968 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054819.D

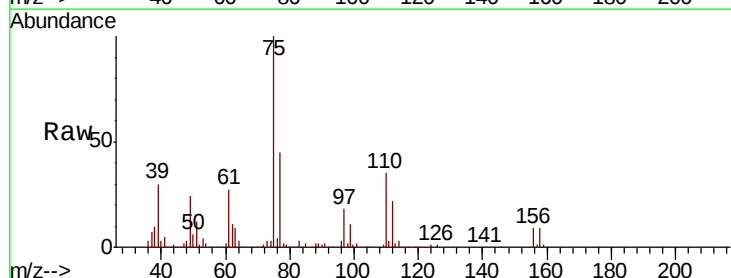
Acq: 30 Mar 2019 23:04

Tgt Ion: 75 Resp: 347750

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3349) (-)

12.55

250000

200000

150000

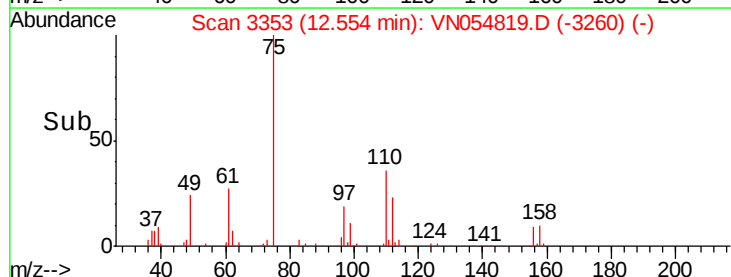
100000

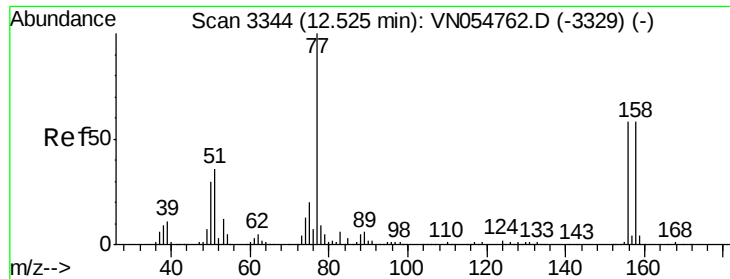
50000

0

12.50 12.60

Time-->





#77

Bromobenzene

Concen: 50.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

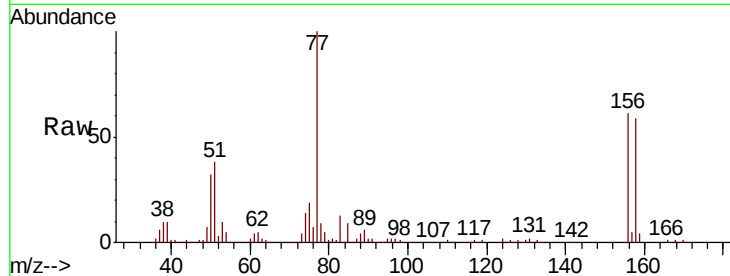
Tot Ion:156 Resp: 268017

Ion Ratio Lower Upper

156 100

77 196.2 81.5 244.4

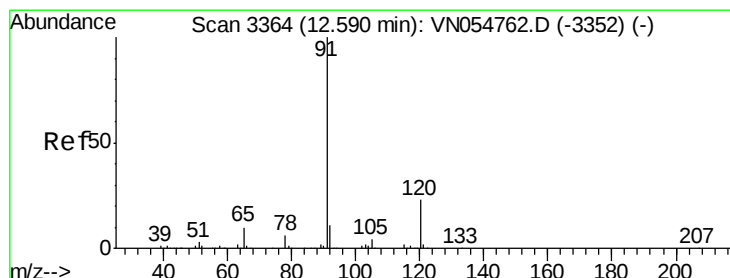
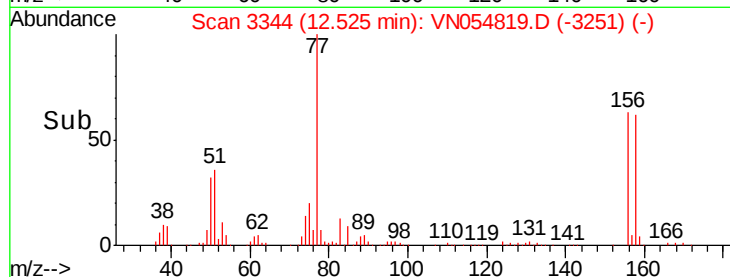
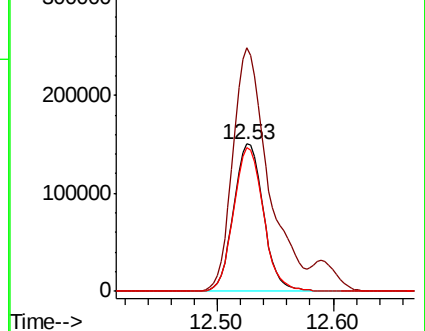
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.811 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054819.D

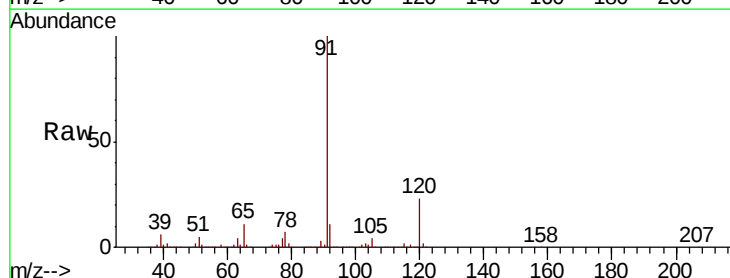
Acq: 30 Mar 2019 23:04

Tgt Ion: 91 Resp: 1186673

Ion Ratio Lower Upper

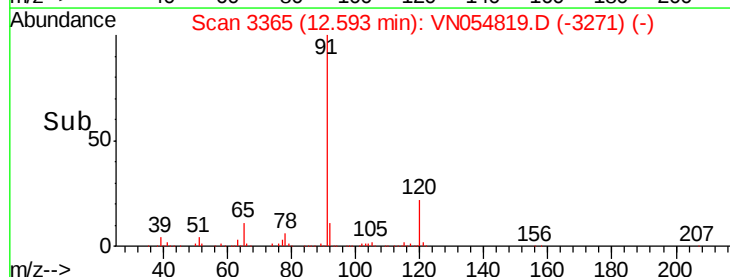
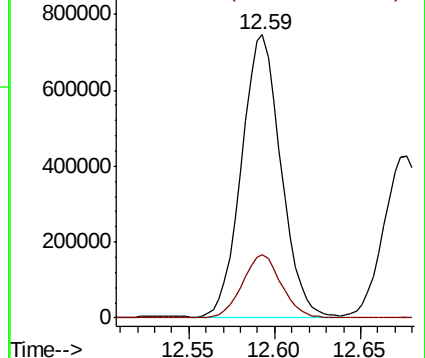
91 100

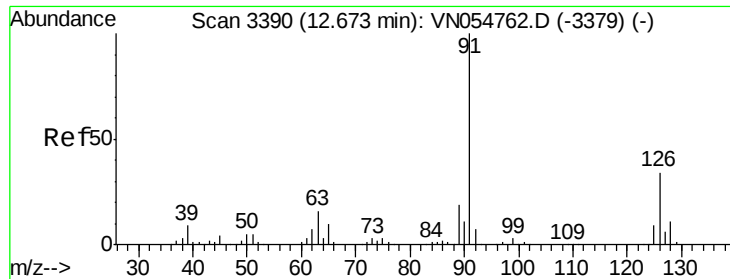
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.134 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

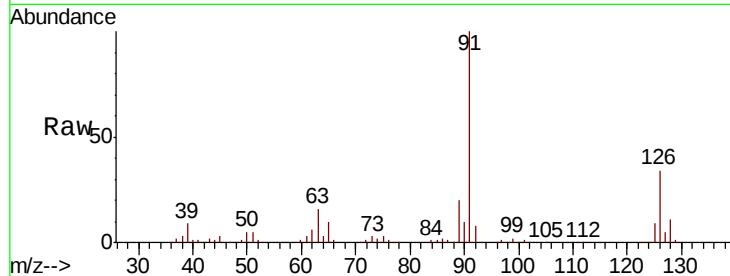
ClientSampleId :

Tot Ion: 91 Resp: 723974

Ion Ratio Lower Upper

91 100

126 34.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)

12.68

500000

400000

300000

200000

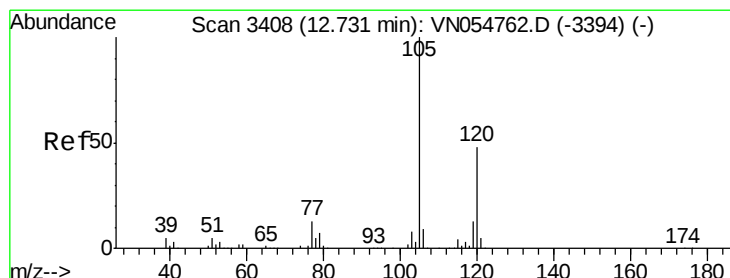
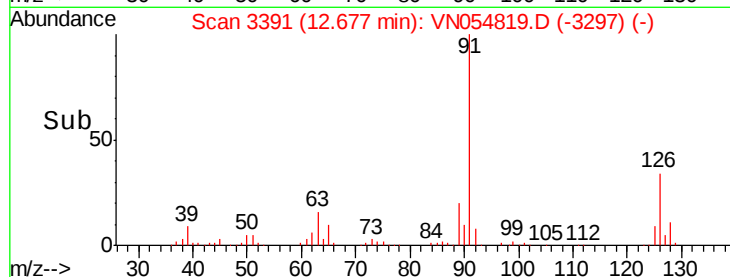
100000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.016 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054819.D

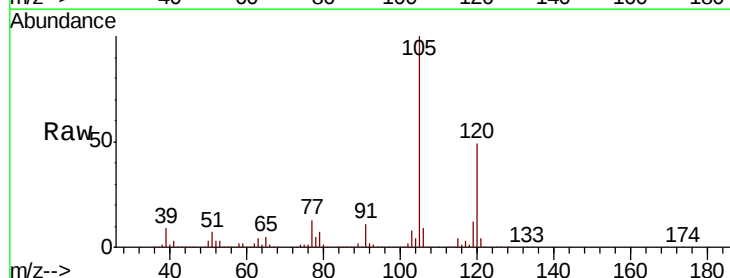
Acq: 30 Mar 2019 23:04

Tgt Ion: 105 Resp: 871477

Ion Ratio Lower Upper

105 100

120 48.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)

12.73

600000

500000

400000

300000

200000

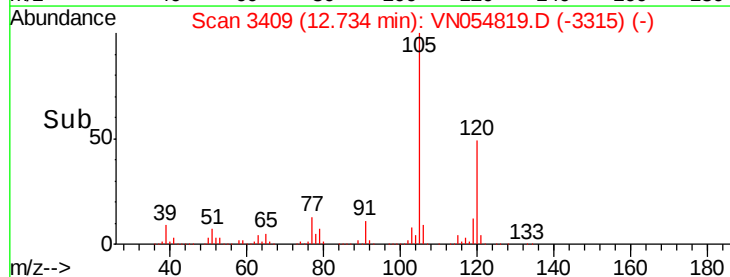
100000

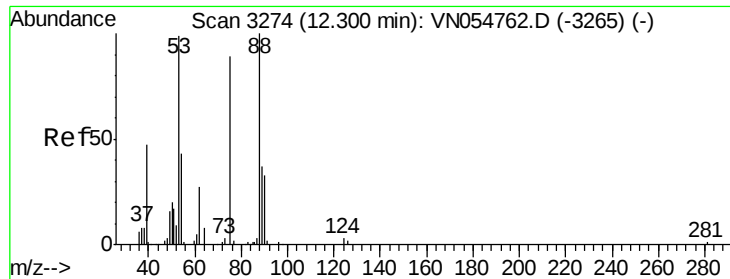
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.819 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

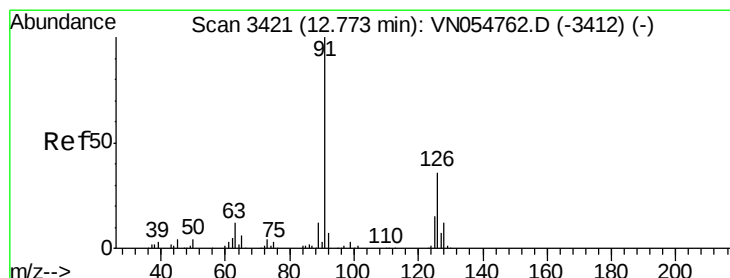
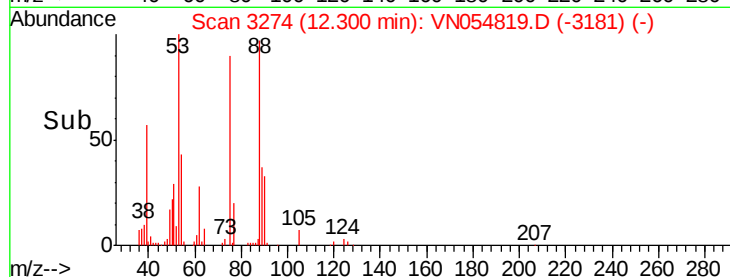
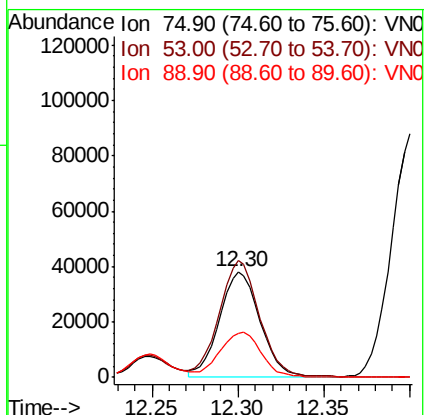
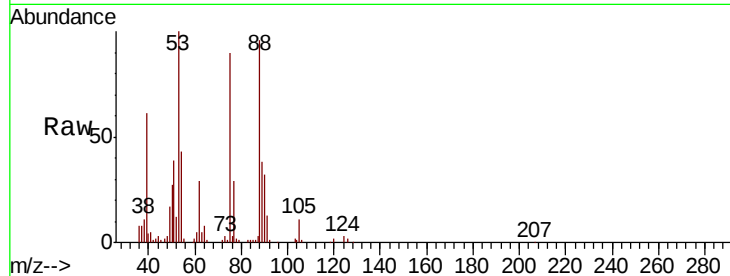
Tot Ion: 75 Resp: 61422

Ion Ratio Lower Upper

75 100

53 113.7 76.2 114.2

89 44.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.185 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054819.D

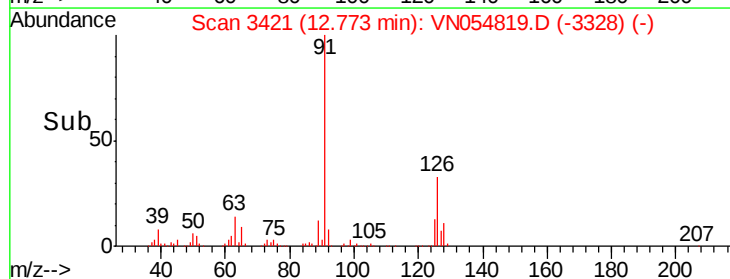
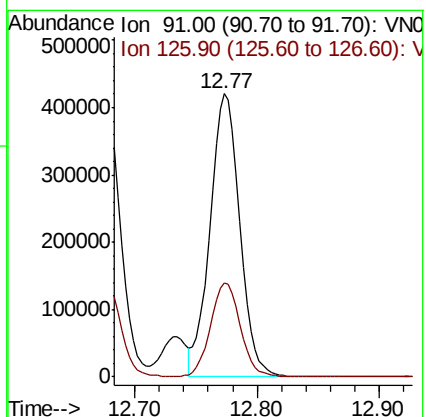
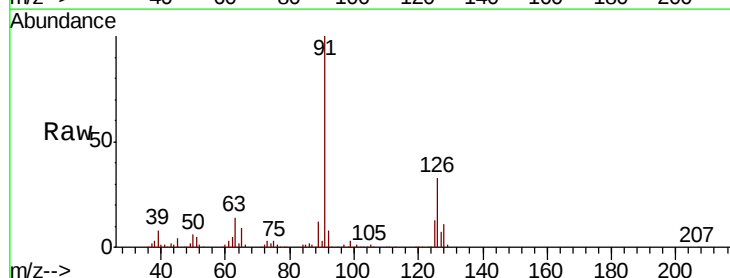
Acq: 30 Mar 2019 23:04

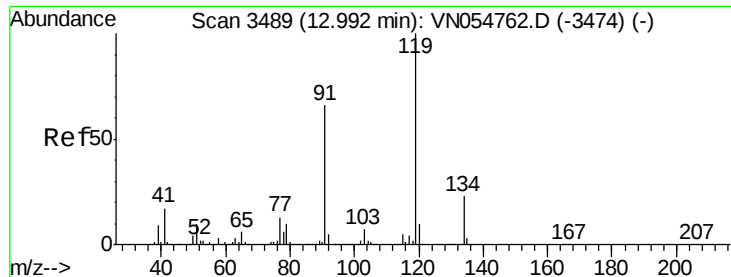
Tgt Ion: 91 Resp: 718546

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1

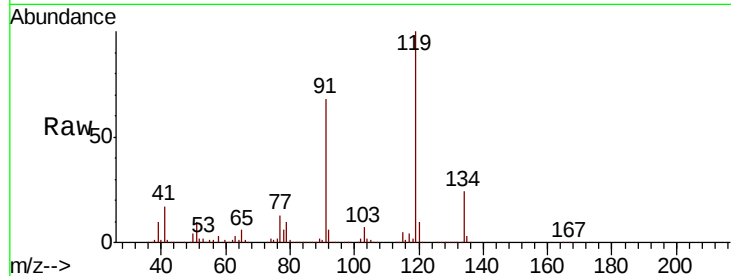




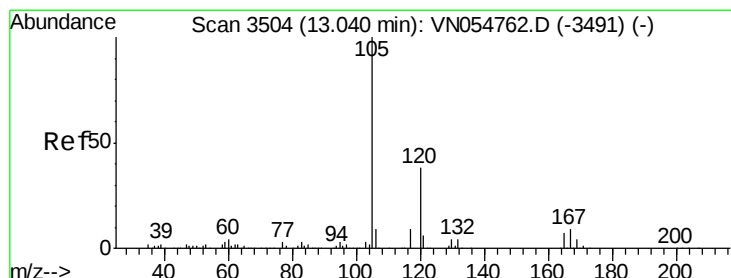
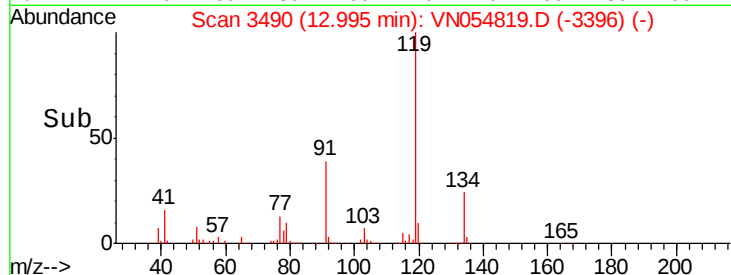
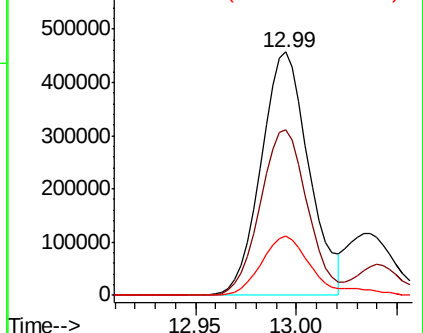
#83
 tert-Butylbenzene
 Concen: 53.673 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 752633
 Ion Ratio Lower Upper
 119 100
 91 67.7 30.9 92.8
 134 26.1 13.2 39.6

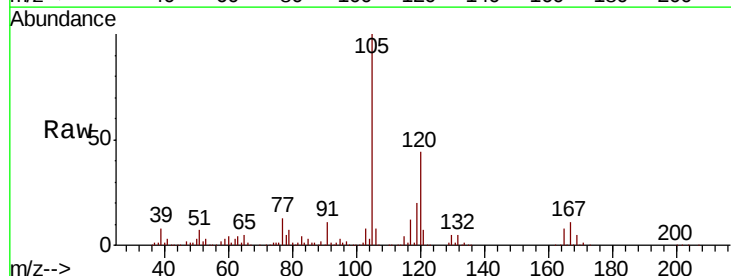


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

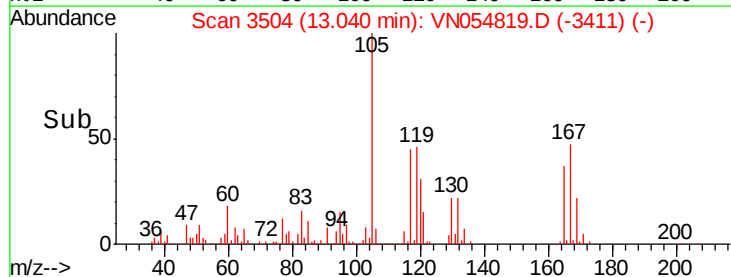
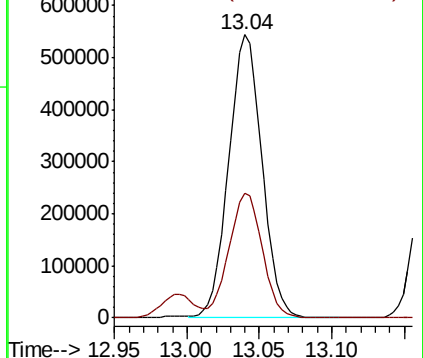


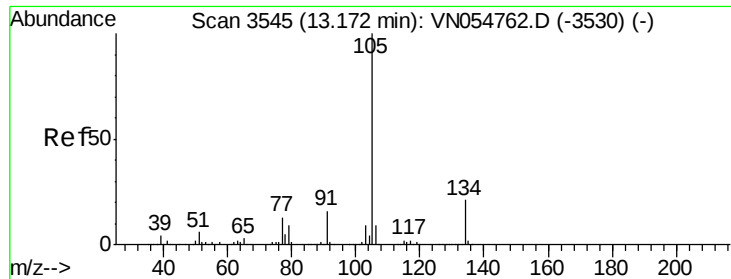
#84
 1,2,4-Trimethylbenzene
 Concen: 50.128 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion:105 Resp: 866774
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.064 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

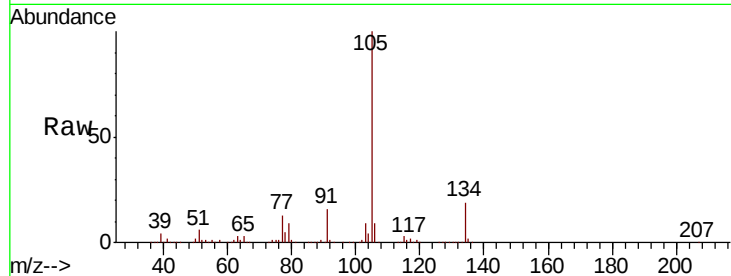
ClientSampleId :

Tot Ion:105 Resp: 947651

Ion Ratio Lower Upper

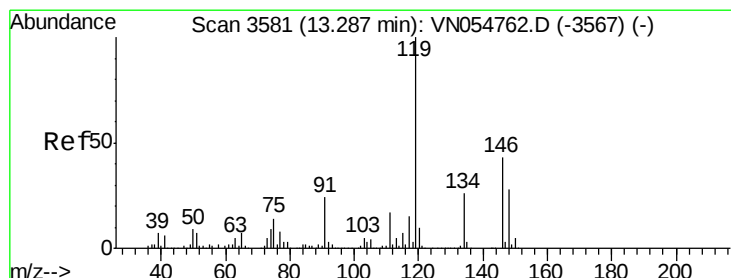
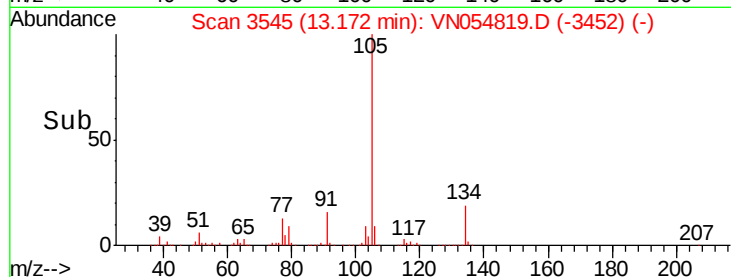
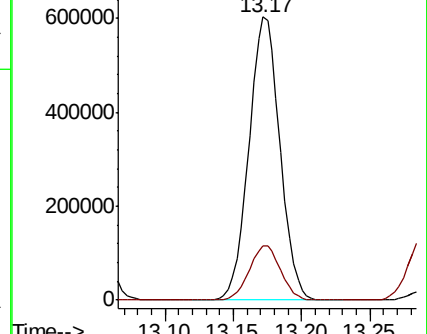
105 100

134 19.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.523 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

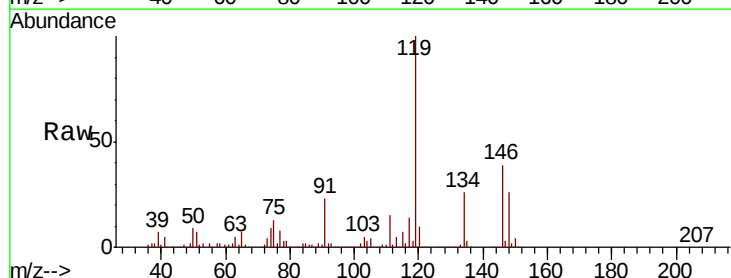
Tgt Ion:119 Resp: 826411

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

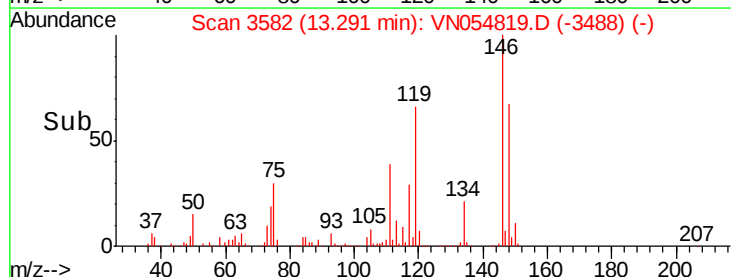
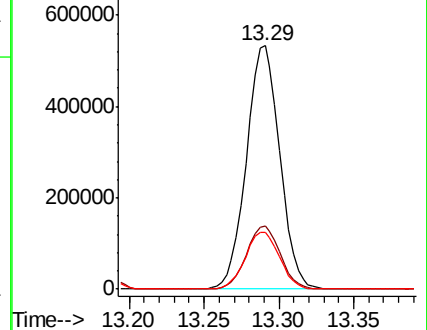
91 23.9 11.1 33.3

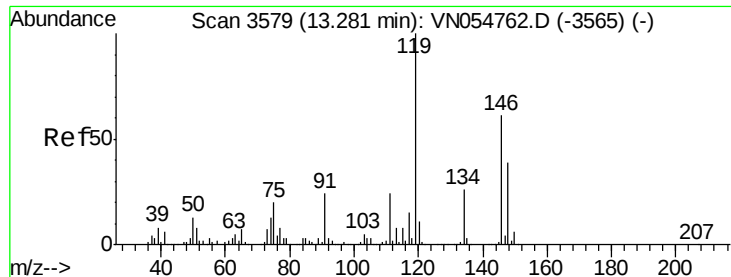


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.350 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

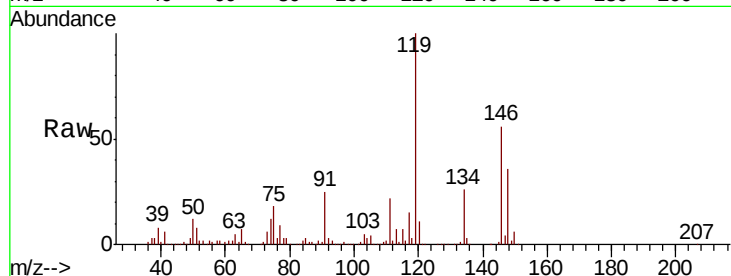
Tot Ion:146 Resp: 441083

Ion Ratio Lower Upper

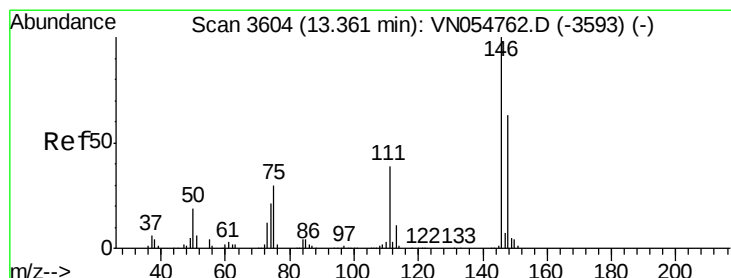
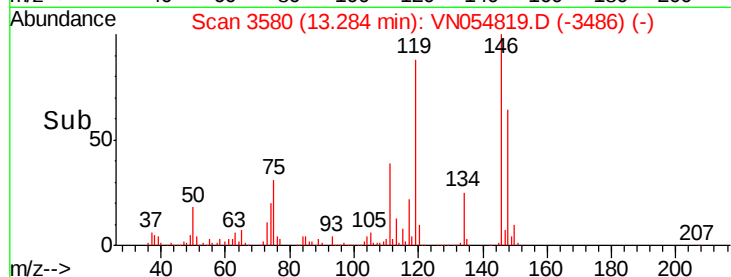
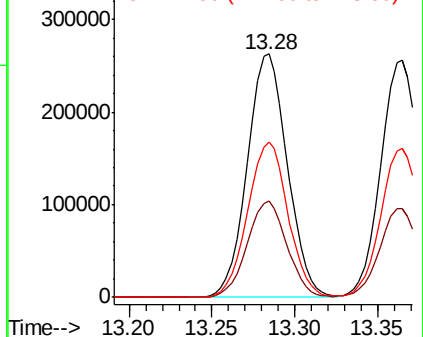
146 100

111 39.2 18.8 56.3

148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.026 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

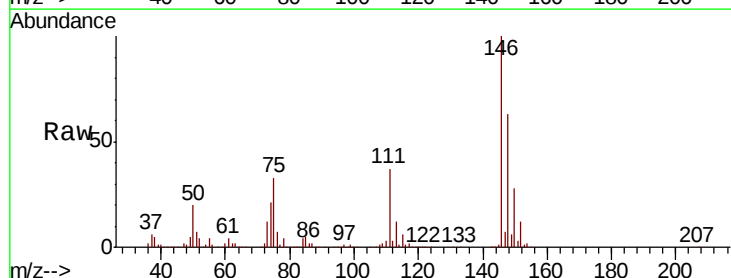
Tgt Ion:146 Resp: 429778

Ion Ratio Lower Upper

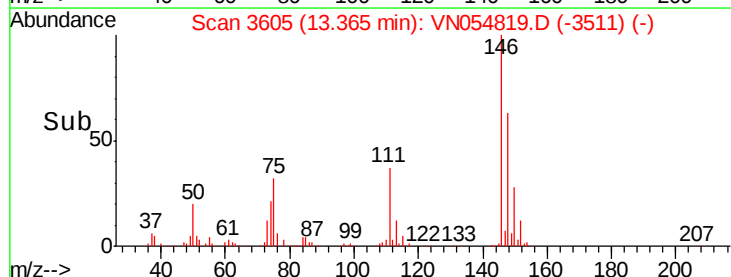
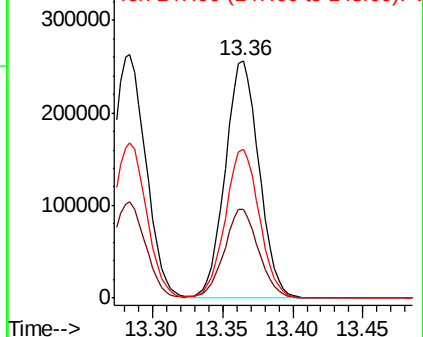
146 100

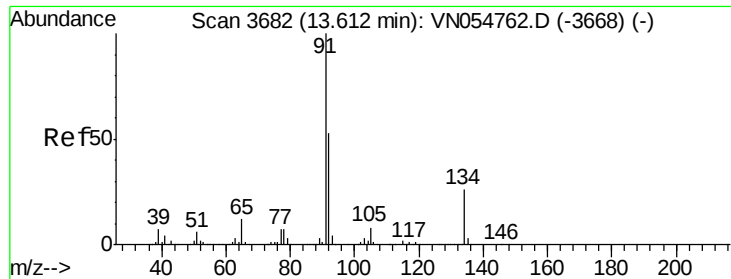
111 38.1 18.1 54.1

148 63.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.791 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

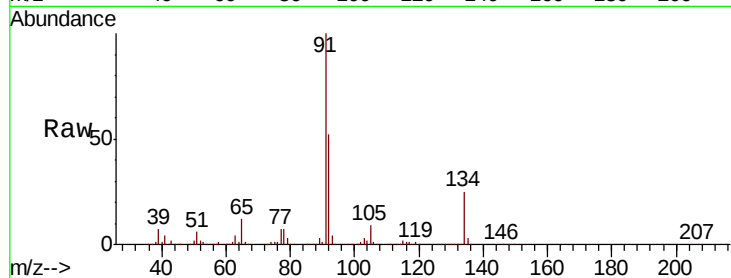
Tot Ion: 91 Resp: 663865

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

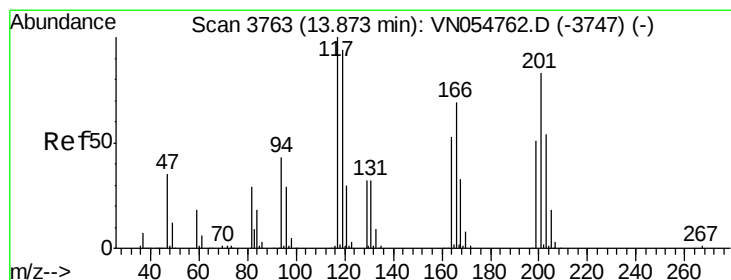
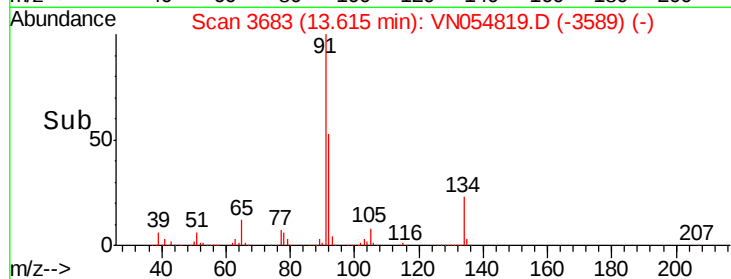
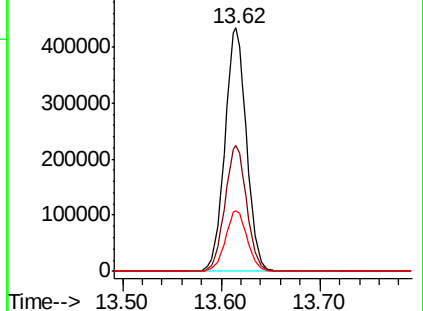
134 25.0 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054819.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054819.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054819.D (-3682) (-)



#90

Hexachloroethane

Concen: 49.826 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054819.D

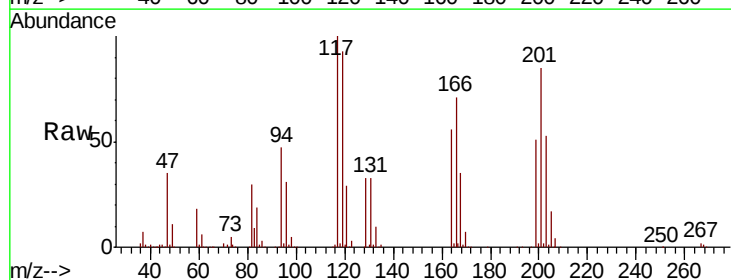
Acq: 30 Mar 2019 23:04

Tgt Ion: 117 Resp: 147110

Ion Ratio Lower Upper

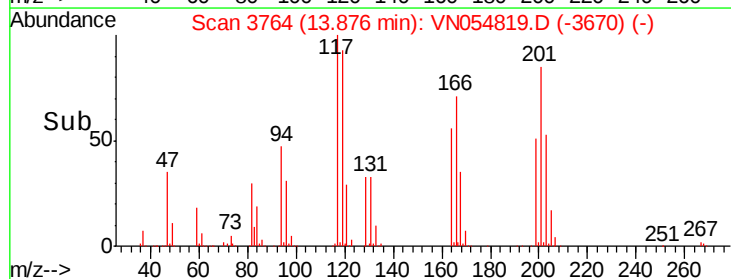
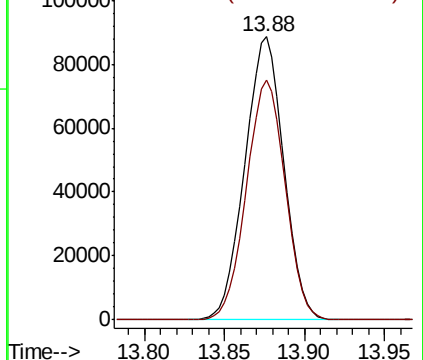
117 100

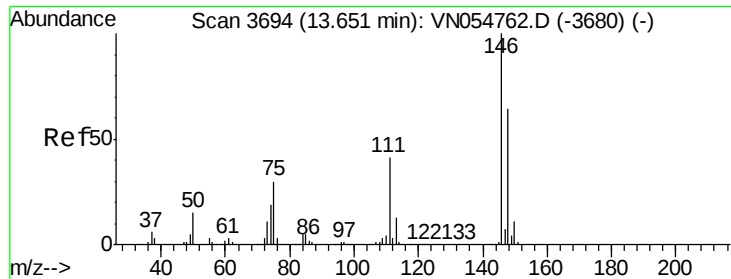
201 84.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054819.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054819.D (-3763) (-)

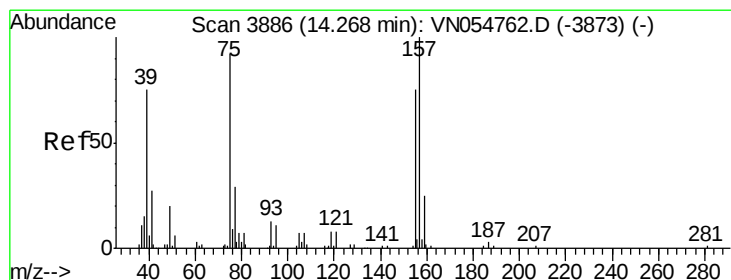
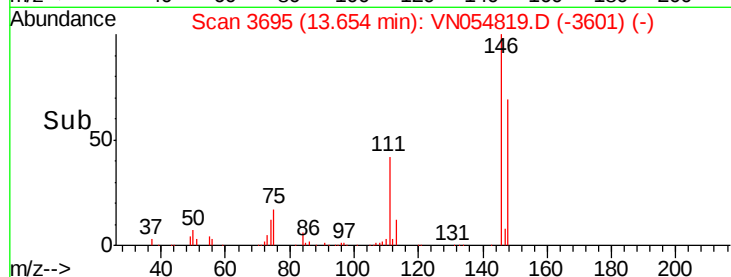
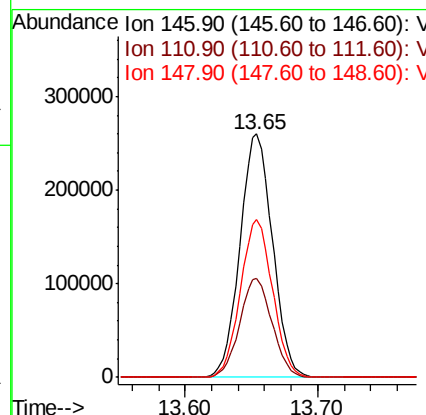
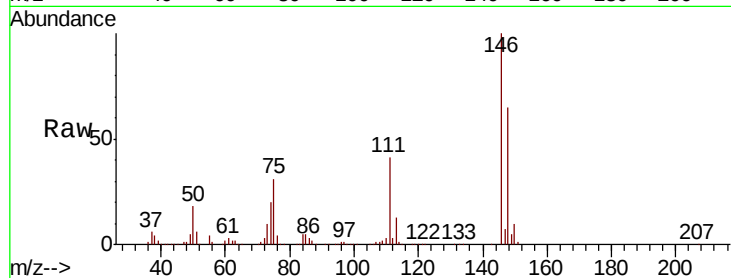




#91
 1,2-Dichlorobenzene
 Concen: 48.977 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

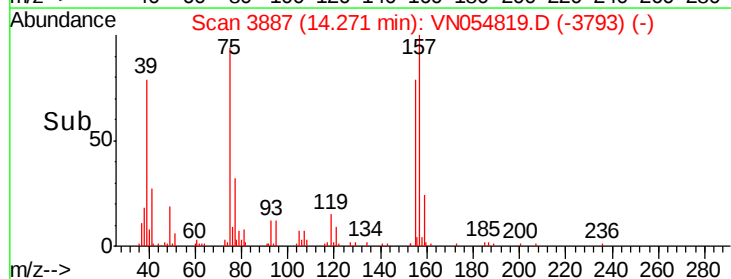
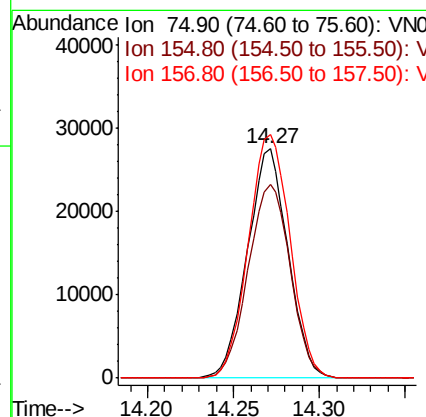
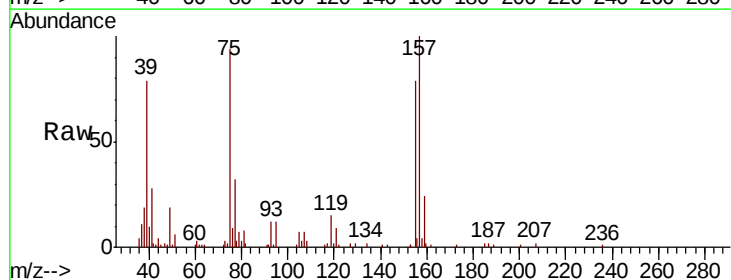
Instrument :
 MSVOA_N
 ClientSampled :

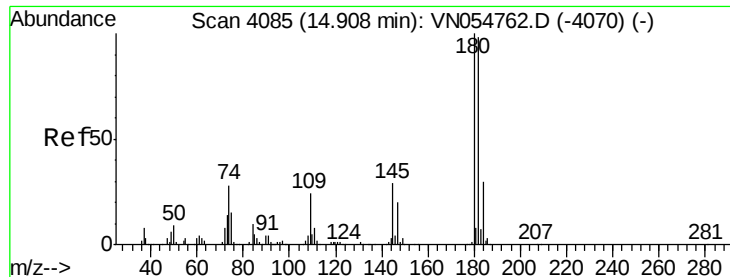
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	64.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.714 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	50.1	150.3
157	108.8	63.1	189.3

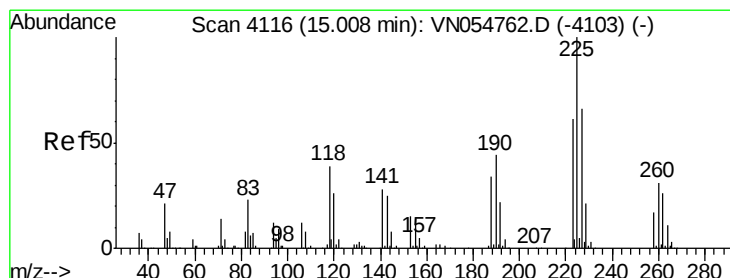
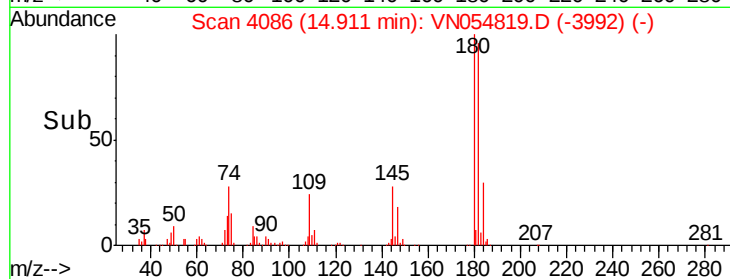
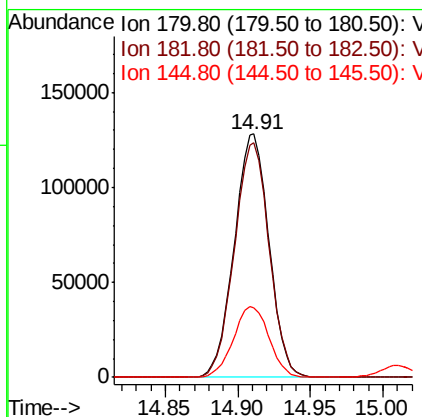
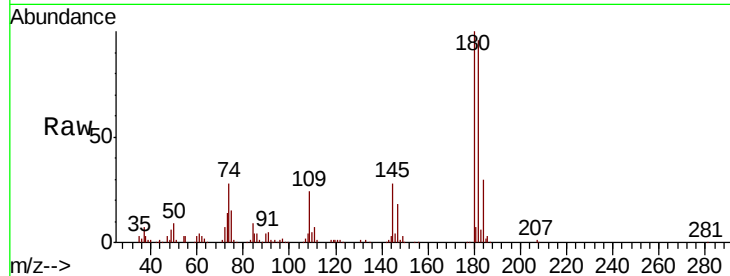




#93
 1,2,4-Trichlorobenzene
 Concen: 48.952 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

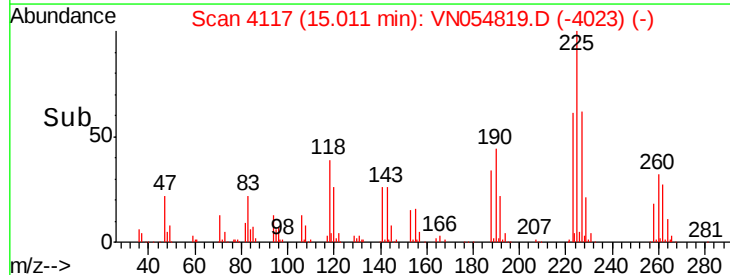
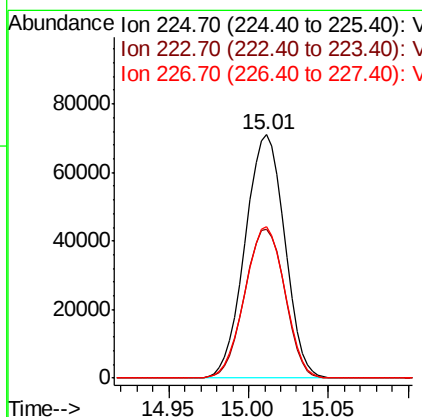
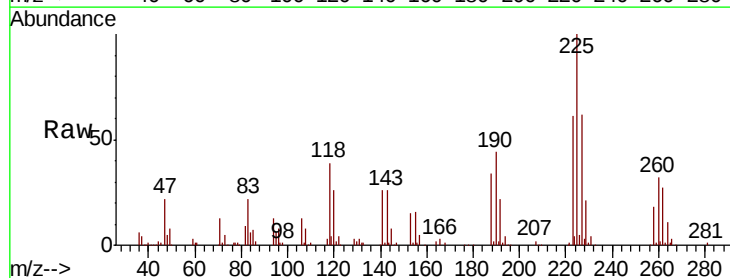
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 212882
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.0 144.2
 145 30.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 46.651 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion:225 Resp: 120511
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.5
 227 62.7 31.9 95.9

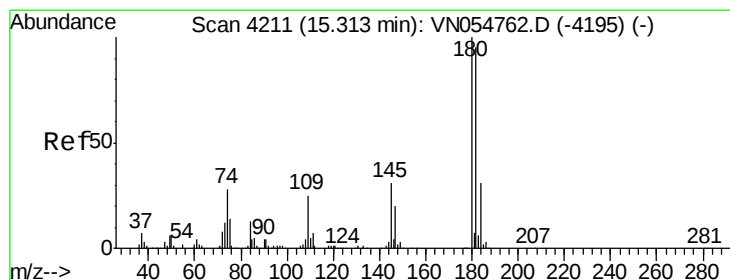
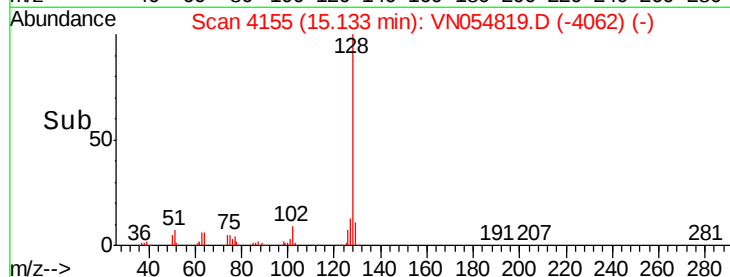
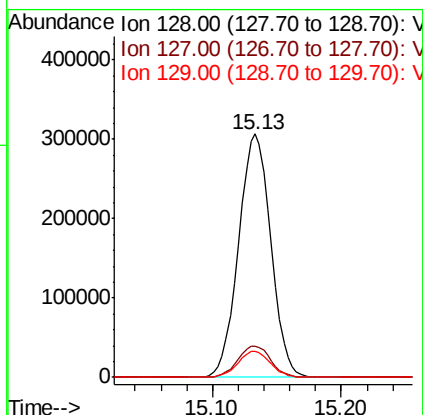
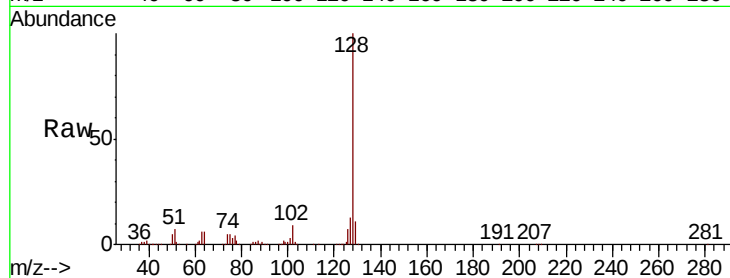




#95
Naphthalene
Concen: 54.581 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 532356
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.534 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:180 Resp: 217551
Ion Ratio Lower Upper
180 100
182 96.4 47.5 142.6
145 32.2 14.8 44.3

