

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054826.D
 Acq On : 31 Mar 2019 2:37
 Operator : JC/SP
 Sample : VN0330WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 04:43:46 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	396781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	694541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	301962	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	7.59	113	238532	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.09	98	850869	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	271145	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	78680	19.604	ug/l 96
3) Chloromethane	2.07	50	115263	20.770	ug/l 98
4) Vinyl Chloride	2.19	62	105441	21.158	ug/l 100
5) Bromomethane	2.57	94	53028	18.898	ug/l 97
6) Chloroethane	2.71	64	59563	21.405	ug/l 100
7) Trichlorofluoromethane	3.02	101	135234	22.073	ug/l 99
8) Diethyl Ether	3.41	74	44116	22.362	ug/l 60
9) 1,1,2-Trichlorotrifluoroet	3.75	101	64723	20.067	ug/l 94
10) Methyl Iodide	3.94	142	75422	17.082	ug/l # 86
11) Tert butyl alcohol	4.83	59	40636	145.817	ug/l 99
12) 1,1-Dichloroethene	3.73	96	70557	22.622	ug/l # 76
13) Acrolein	3.61	56	35186	141.234	ug/l 95
14) Allyl chloride	4.31	41	157553	20.508	ug/l # 89
15) Acrylonitrile	5.00	53	195634	126.299	ug/l 99
16) Acetone	3.82	43	144788	113.516	ug/l # 80
17) Carbon Disulfide	4.04	76	188025	18.587	ug/l 99
18) Methyl Acetate	4.33	43	90374	26.776	ug/l # 89
19) Methyl tert-butyl Ether	5.06	73	259938	23.826	ug/l 97
20) Methylene Chloride	4.55	84	97574	21.687	ug/l # 79
21) trans-1,2-Dichloroethene	5.04	96	90803	22.165	ug/l 88
22) Diisopropyl ether	5.96	45	353733	23.280	ug/l # 93
23) Vinyl Acetate	5.90	43	1264325	119.571	ug/l # 93
24) 1,1-Dichloroethane	5.85	63	183597	22.652	ug/l 98
25) 2-Butanone	6.85	43	249683	132.429	ug/l # 87
26) 2,2-Dichloropropane	6.82	77	65497	11.529	ug/l 97
27) cis-1,2-Dichloroethene	6.83	96	104815	22.648	ug/l 92
28) Bromochloromethane	7.19	49	99929	24.656	ug/l # 70
29) Tetrahydrofuran	7.23	42	174512	133.266	ug/l # 82
30) Chloroform	7.37	83	178637	23.113	ug/l 100
31) Cyclohexane	7.65	56	165005	21.153	ug/l 86
32) 1,1,1-Trichloroethane	7.57	97	146111	22.812	ug/l 95
36) 1,1-Dichloropropene	7.79	75	129485	20.008	ug/l 95
37) Ethyl Acetate	6.94	43	111502	23.494	ug/l 94
38) Carbon Tetrachloride	7.77	117	125169	19.913	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127832	17.967	ug/l	90
40) Benzene	8.04	78	392880	21.216	ug/l	99
41) Methacrylonitrile	7.18	41	60279	22.610	ug/l	88
42) 1,2-Dichloroethane	8.13	62	146312	22.128	ug/l	99
43) Isopropyl Acetate	8.17	43	183972	23.857	ug/l #	94
44) Trichloroethene	8.84	130	100719	20.952	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110036	20.839	ug/l	100
46) Dibromomethane	9.21	93	64232	21.624	ug/l	89
47) Bromodichloromethane	9.40	83	135327	21.921	ug/l	97
48) Methyl methacrylate	9.20	41	90996	21.768	ug/l	88
49) 1,4-Dioxane	9.21	88	20955	505.223	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	534563	123.297	ug/l	92
52) Toluene	10.16	92	230583	20.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	107276	18.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	132782	19.142	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	89794	21.915	ug/l	95
56) Ethyl methacrylate	10.43	69	120105	22.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	155867	22.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224586	103.340	ug/l #	88
59) 2-Hexanone	10.75	43	327251	117.909	ug/l	91
60) Dibromochloromethane	10.90	129	88841	21.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86503	22.092	ug/l	98
64) Tetrachloroethene	10.63	164	97888	21.723	ug/l	97
65) Chlorobenzene	11.44	112	241405	20.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91979	21.374	ug/l	99
67) Ethyl Benzene	11.51	91	428711	20.664	ug/l	97
68) m/p-Xylenes	11.62	106	313159	40.788	ug/l	95
69) o-Xylene	11.95	106	152832	20.300	ug/l	93
70) Styrene	11.97	104	251762	20.914	ug/l	96
71) Bromoform	12.13	173	54533	21.631	ug/l #	98
73) Isopropylbenzene	12.25	105	405837	21.029	ug/l	98
74) N-amyl acetate	12.07	43	136218	22.656	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	111769	25.430	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124169	30.272	ug/l #	100
77) Bromobenzene	12.53	156	98586	21.166	ug/l	85
78) n-propylbenzene	12.59	91	439420	20.716	ug/l	95
79) 2-Chlorotoluene	12.68	91	277681	21.160	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	323519	20.430	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18171	17.231	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259451	20.355	ug/l	94
83) tert-Butylbenzene	12.99	119	283166	21.906	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	316568	20.984	ug/l	98
85) sec-Butylbenzene	13.17	105	348848	20.279	ug/l	96
86) p-Isopropyltoluene	13.29	119	296566	19.547	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	158741	20.356	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	151734	19.839	ug/l	96
89) n-Butylbenzene	13.62	91	223164	18.028	ug/l	97
90) Hexachloroethane	13.88	117	49686	19.288	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	161747	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15705	23.805	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66943	17.643	ug/l	98
94) Hexachlorobutadiene	15.01	225	41795	17.221	ug/l	97
95) Naphthalene	15.13	128	164821	19.369	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	70681	18.446	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

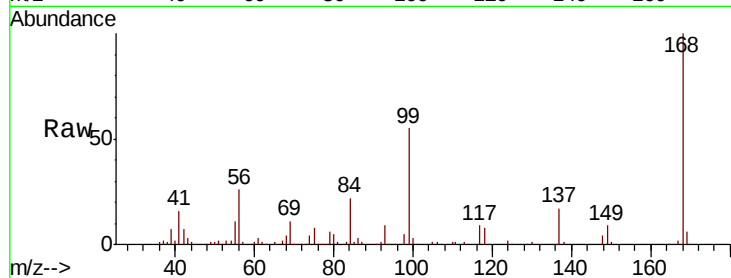
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 396781

Ion Ratio Lower Upper

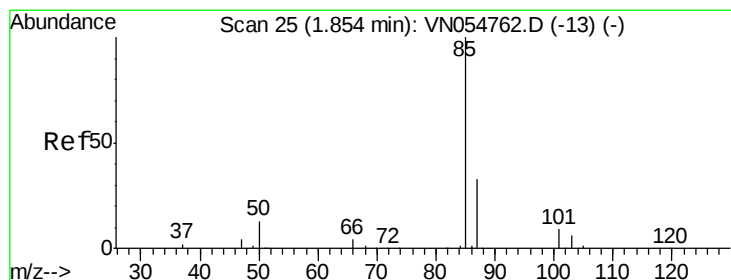
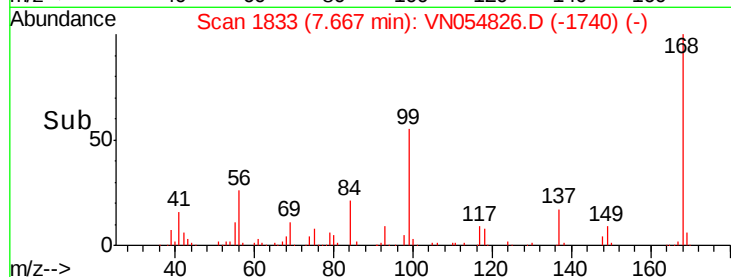
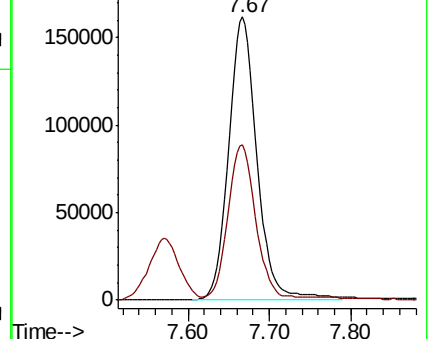
168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.604 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054826.D

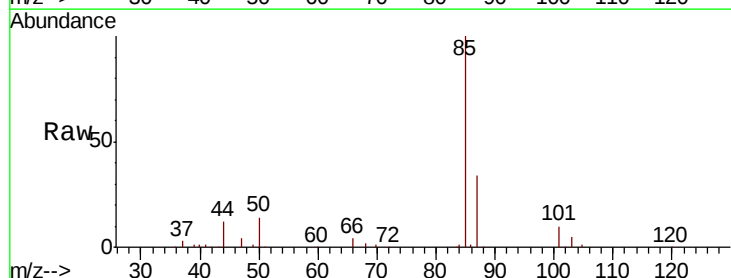
Acq: 31 Mar 2019 2:37

Tgt Ion: 85 Resp: 78680

Ion Ratio Lower Upper

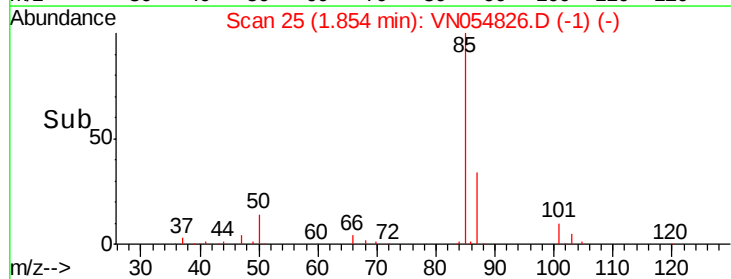
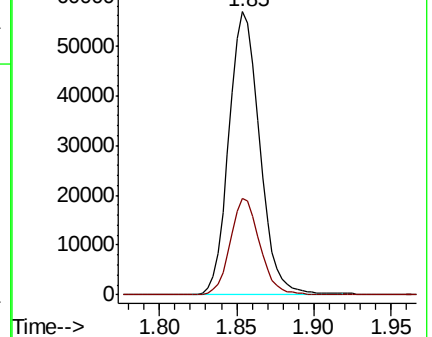
85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.770 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

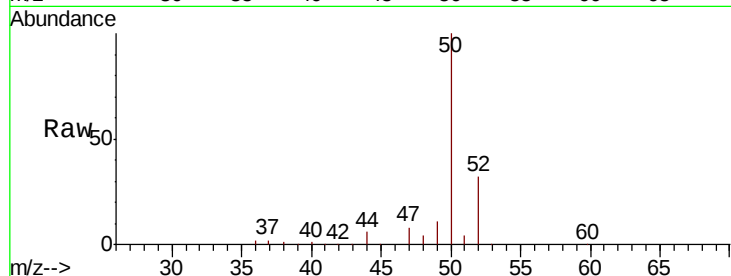
ClientSampled :

Tot Ion: 50 Resp: 115263

Ion Ratio Lower Upper

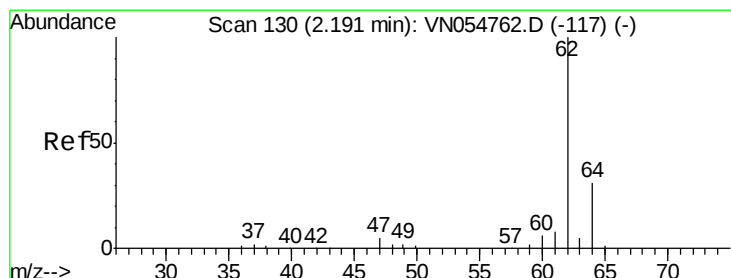
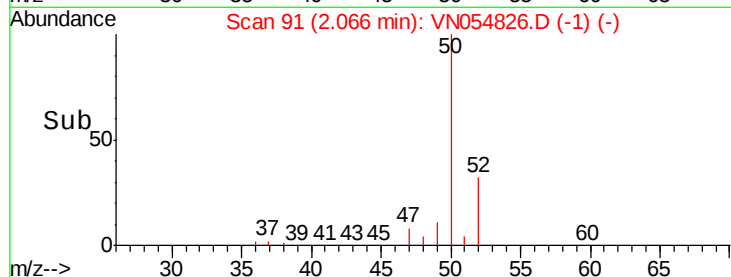
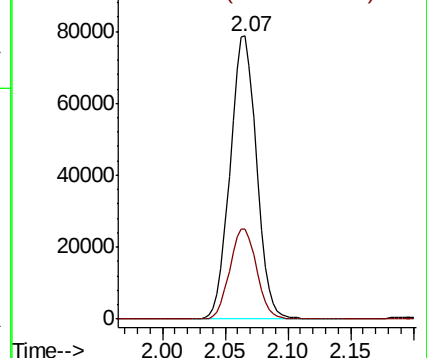
50 100

52 32.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.158 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054826.D

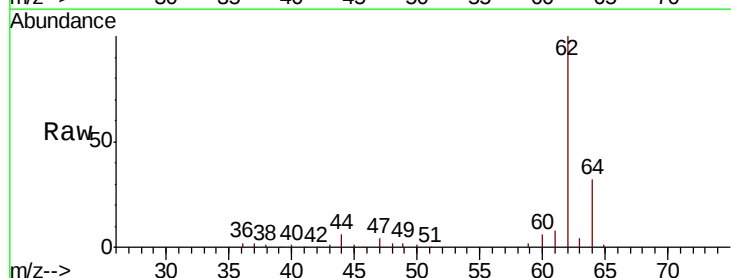
Acq: 31 Mar 2019 2:37

Tgt Ion: 62 Resp: 105441

Ion Ratio Lower Upper

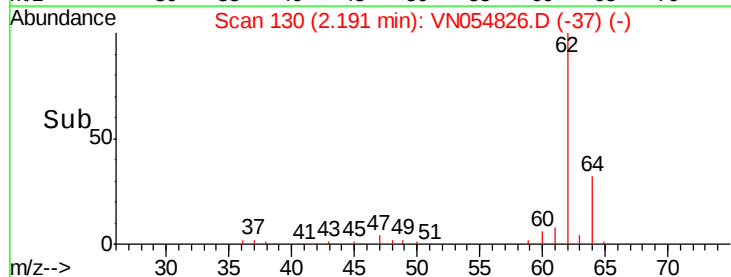
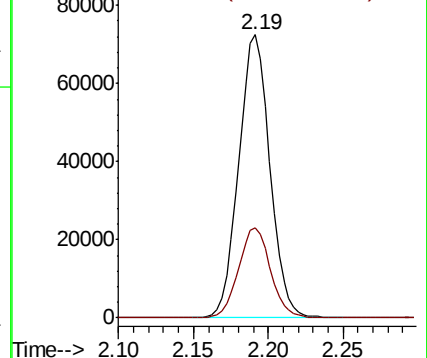
62 100

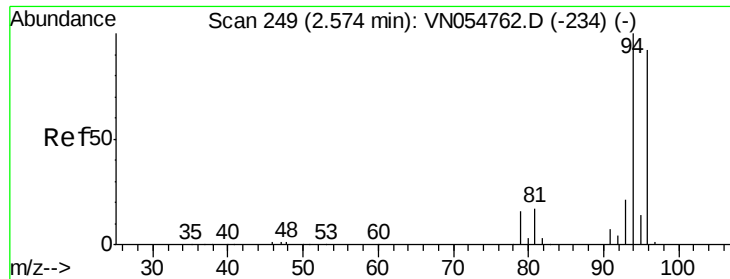
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.898 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

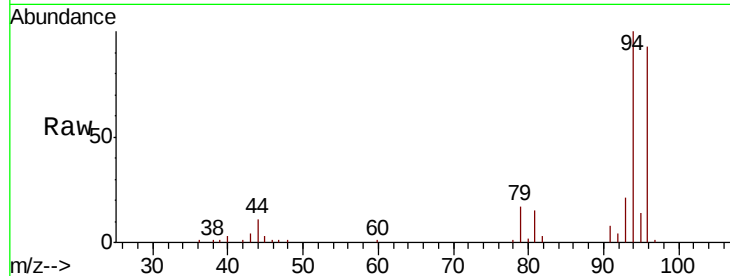
ClientSampleId :

Tot Ion: 94 Resp: 53028

Ion Ratio Lower Upper

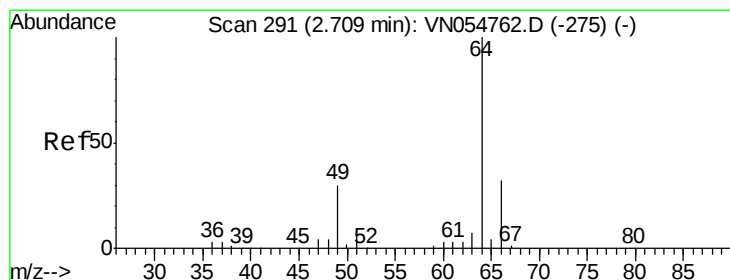
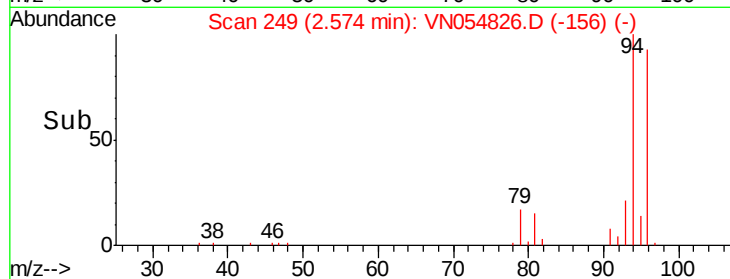
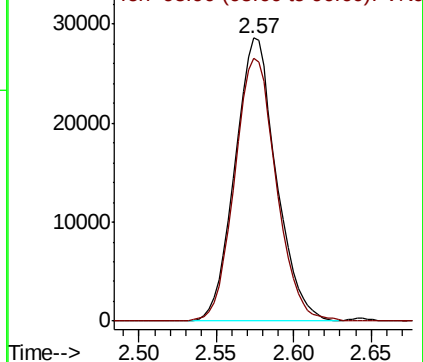
94 100

96 93.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.405 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054826.D

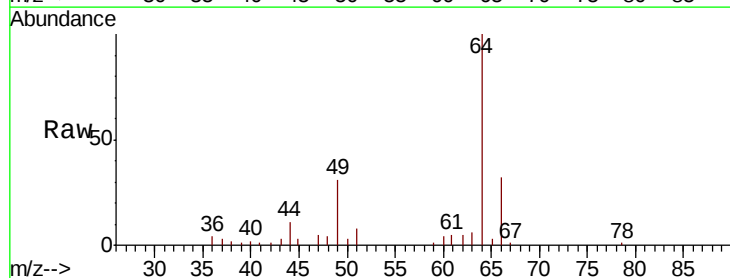
Acq: 31 Mar 2019 2:37

Tgt Ion: 64 Resp: 59563

Ion Ratio Lower Upper

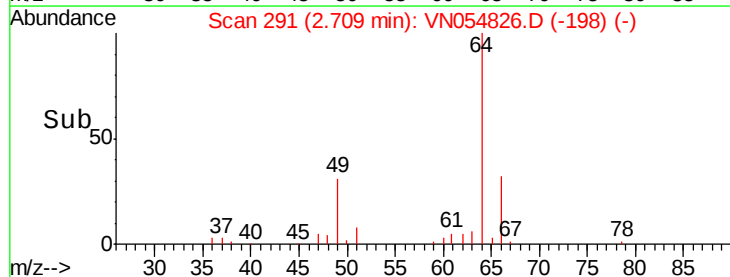
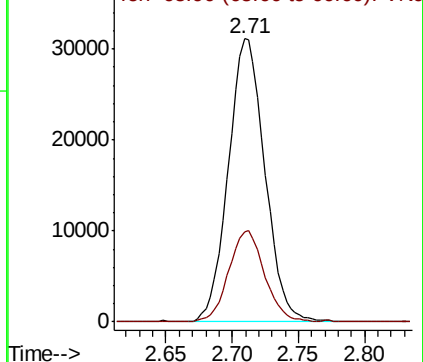
64 100

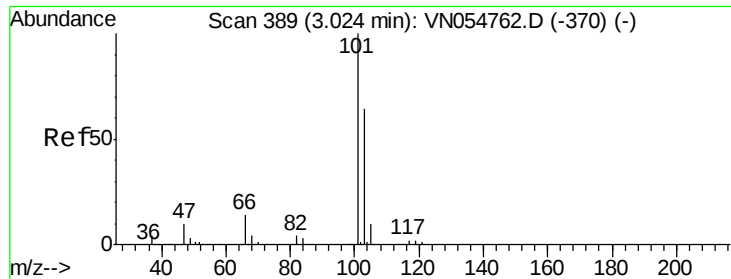
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



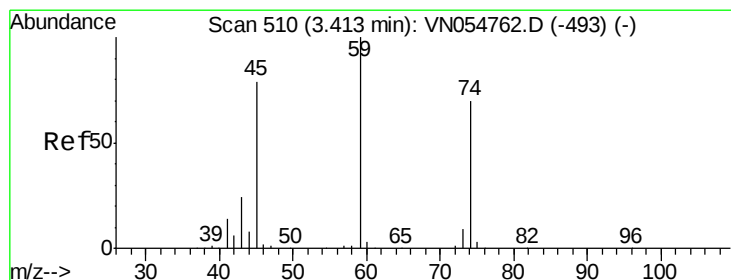
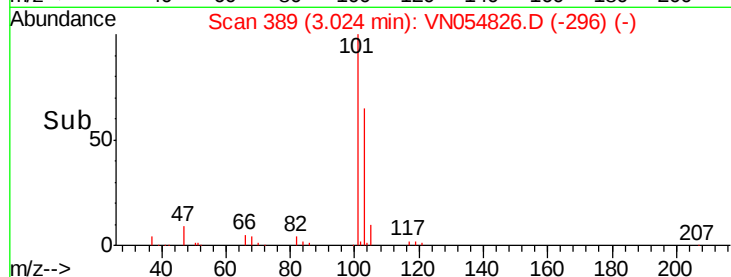
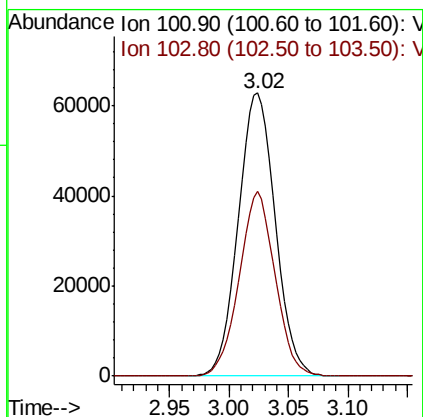
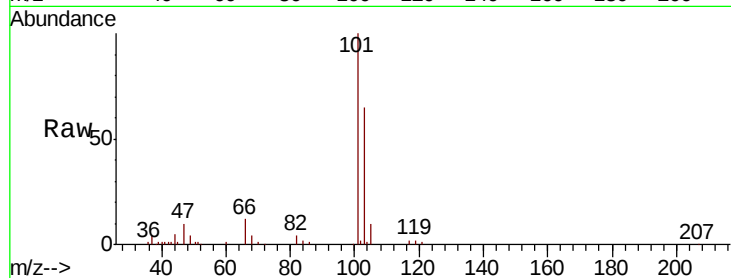


#7

Trichlorofluoromethane
 Concen: 22.073 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampled :

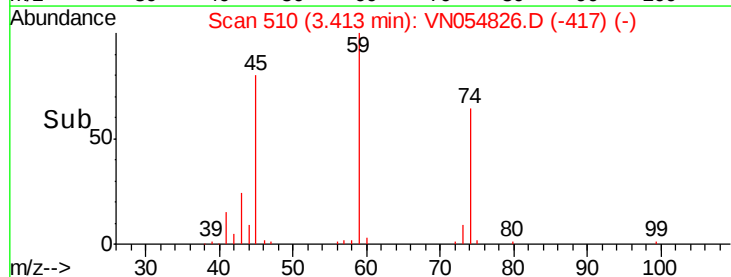
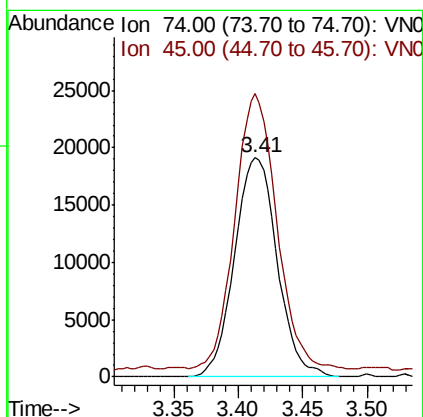
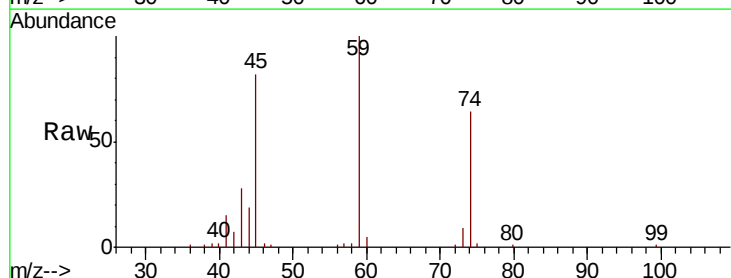
Tot Ion:101 Resp: 135234
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

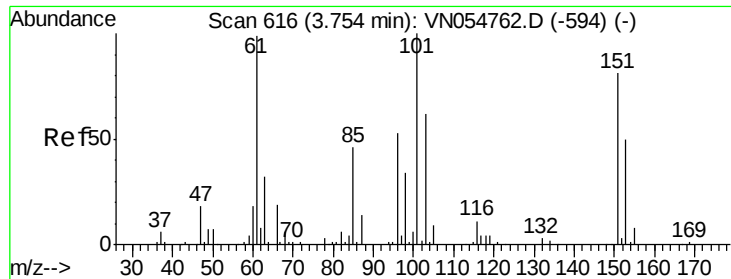


#8

Diethyl Ether
 Concen: 22.362 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 74 Resp: 44116
 Ion Ratio Lower Upper
 74 100
 45 123.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.067 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

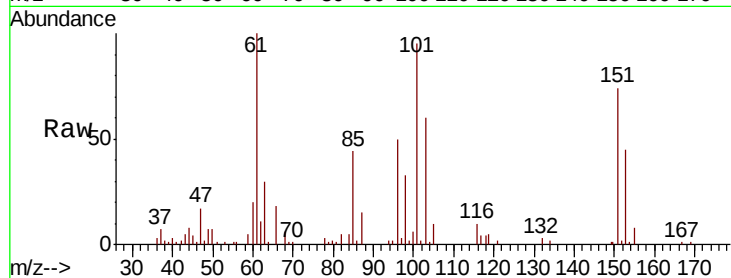
Tot Ion:101 Resp: 64723

Ion Ratio Lower Upper

101 100

85 46.7 32.4 48.6

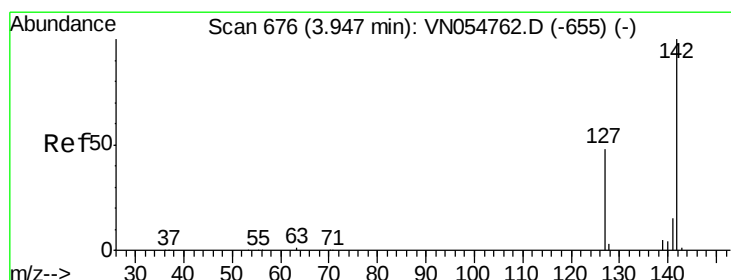
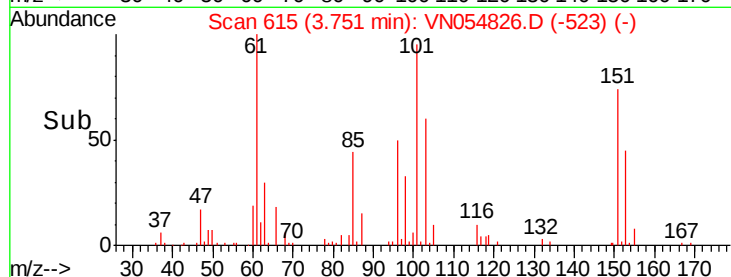
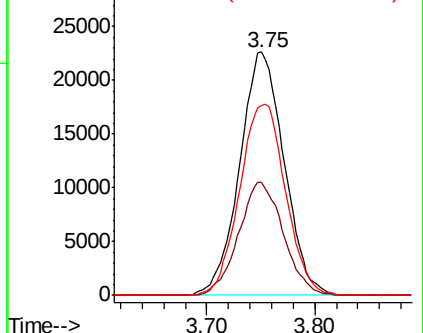
151 81.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.082 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

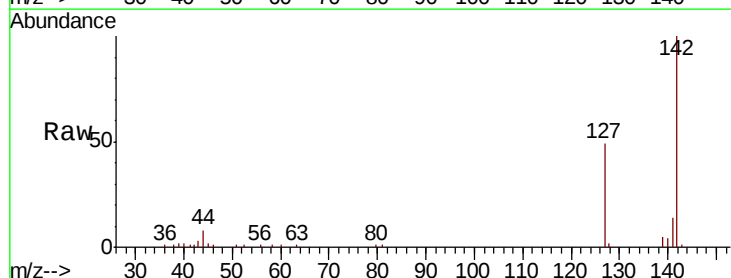
Tgt Ion:142 Resp: 75422

Ion Ratio Lower Upper

142 100

127 48.6 30.3 45.5#

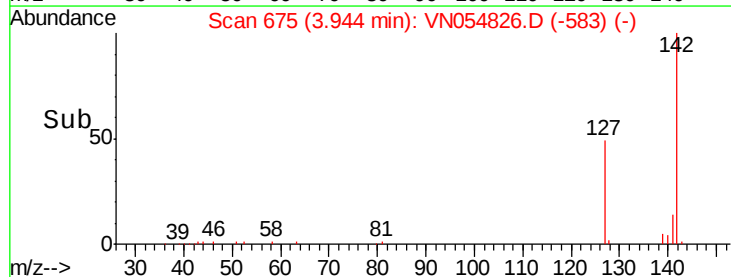
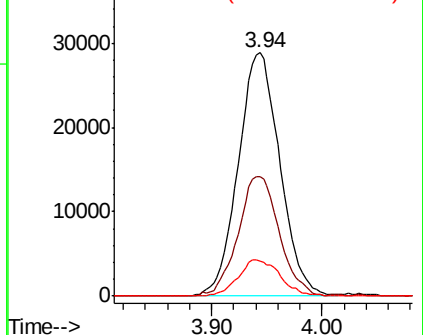
141 15.0 11.2 16.8

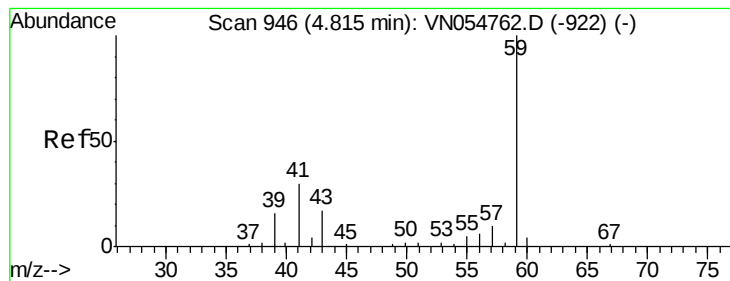


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



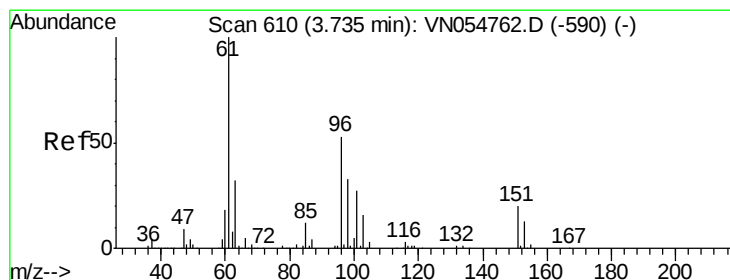
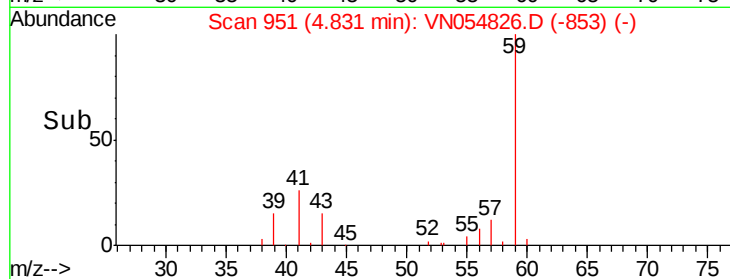
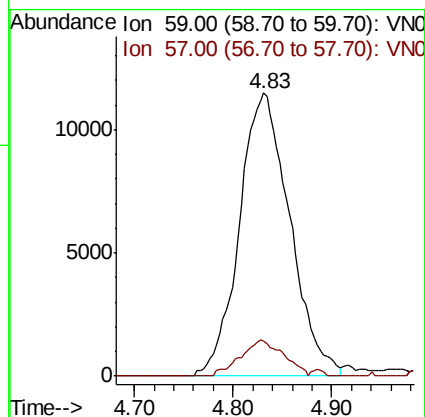
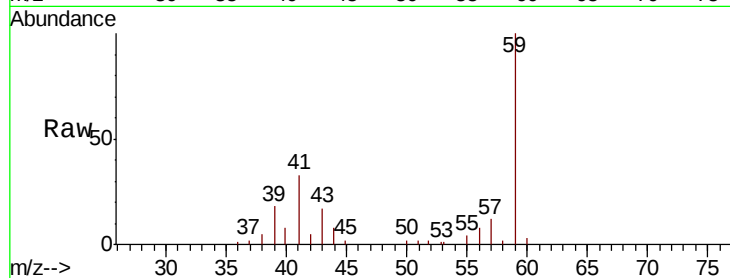


#11

Tert butyl alcohol
 Concen: 145.817 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampled :

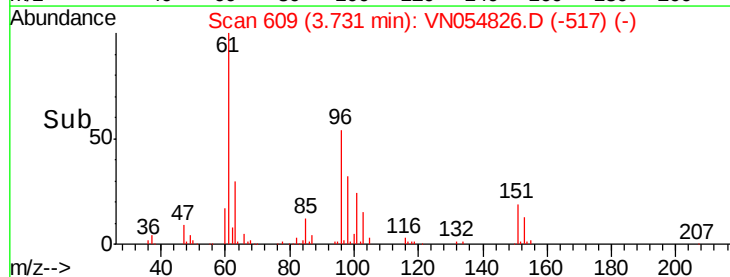
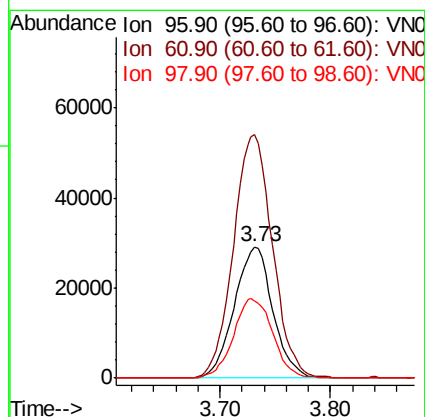
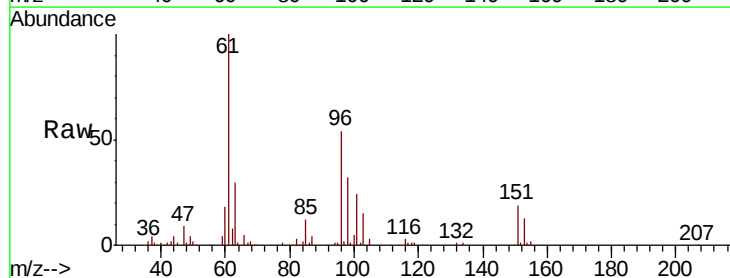
Tot Ion: 59 Resp: 40636
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.6

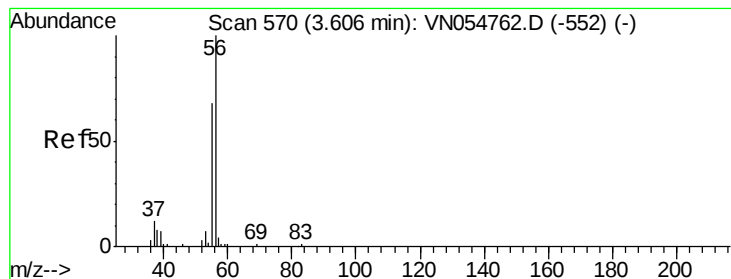


#12

1,1-Dichloroethene
 Concen: 22.622 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 96 Resp: 70557
 Ion Ratio Lower Upper
 96 100
 61 185.3 116.5 174.7#
 98 58.6 51.0 76.4





#13

Acrolein

Concen: 141.234 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

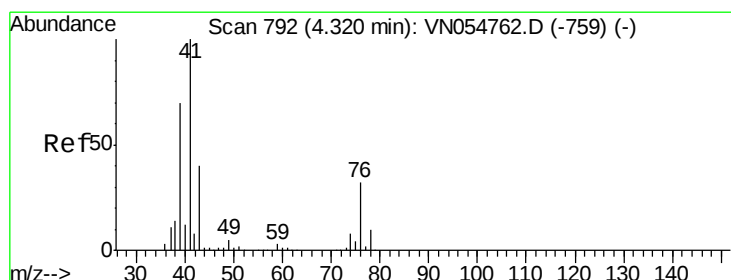
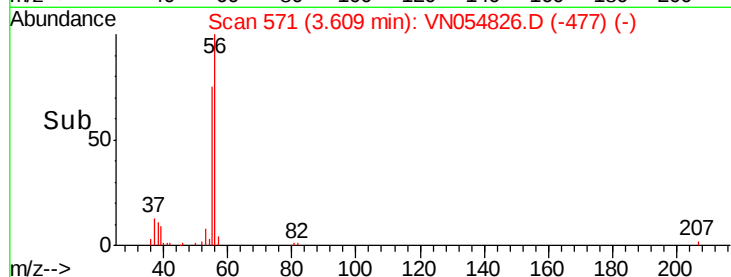
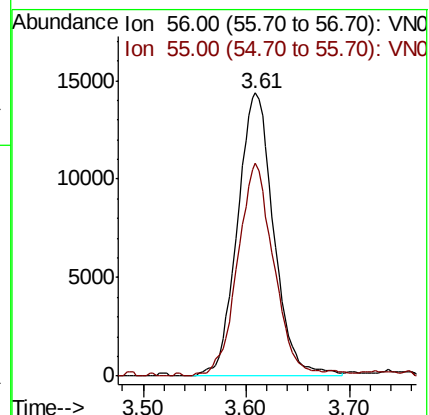
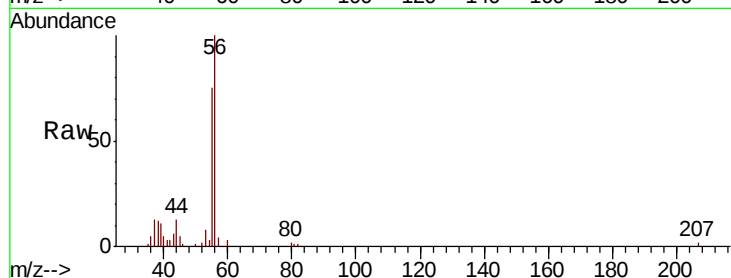
ClientSampleId :

Tot Ion: 56 Resp: 35186

Ion Ratio Lower Upper

56 100

55 74.8 56.7 85.1



#14

Allyl chloride

Concen: 20.508 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

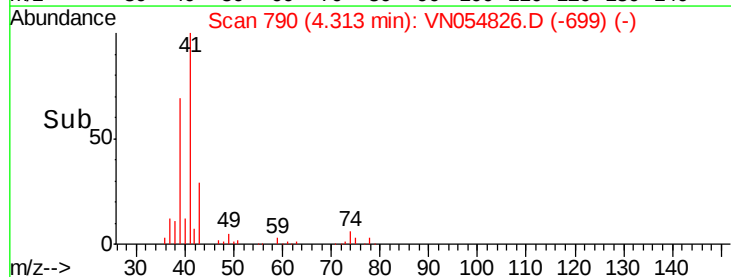
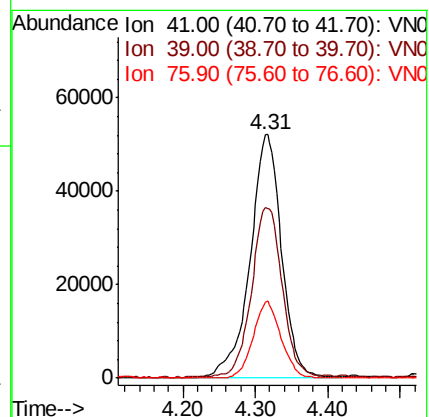
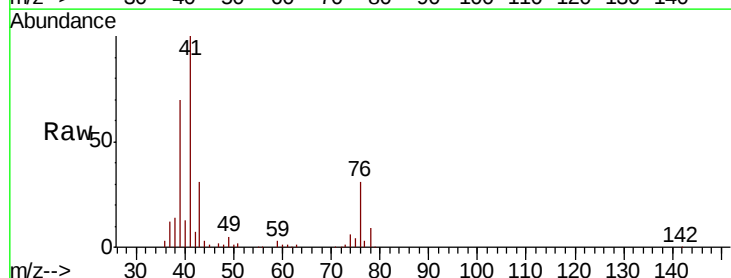
Tgt Ion: 41 Resp: 157553

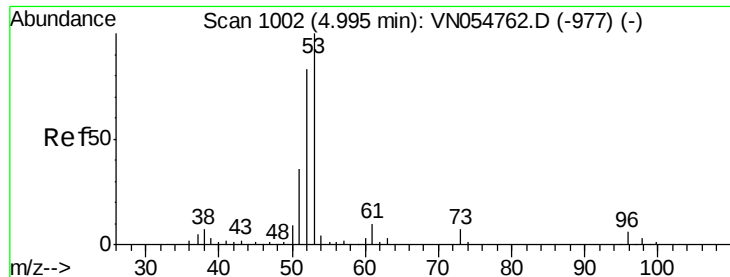
Ion Ratio Lower Upper

41 100

39 67.3 58.2 87.4

76 27.9 31.7 47.5#





#15

Acrylonitrile

Concen: 126.299 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

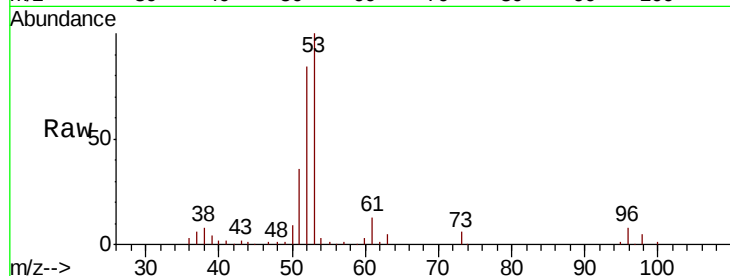
Tot Ion: 53 Resp: 195634

Ion Ratio Lower Upper

53 100

52 84.5 66.4 99.6

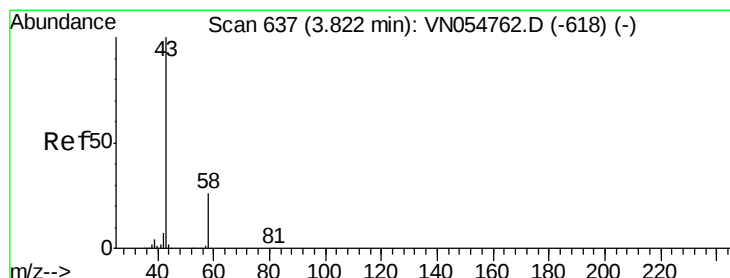
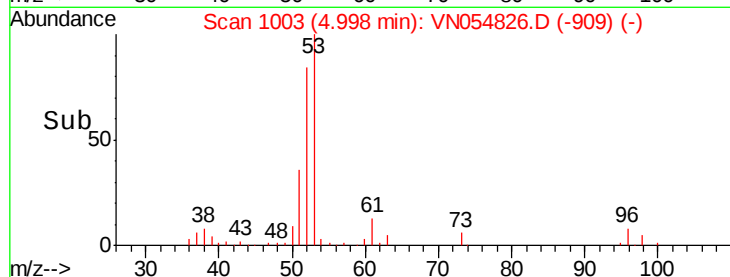
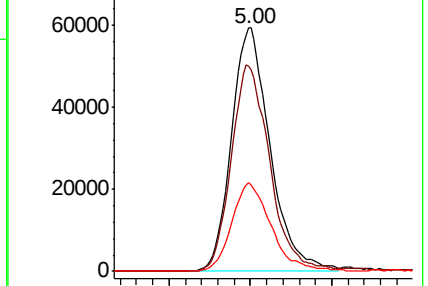
51 37.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054762.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054762.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054762.D (-977) (-)



#16

Acetone

Concen: 113.516 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054826.D

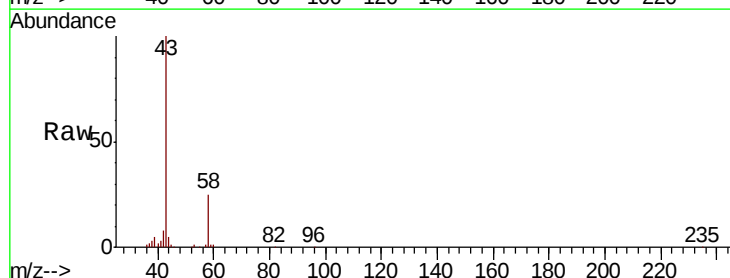
Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 144788

Ion Ratio Lower Upper

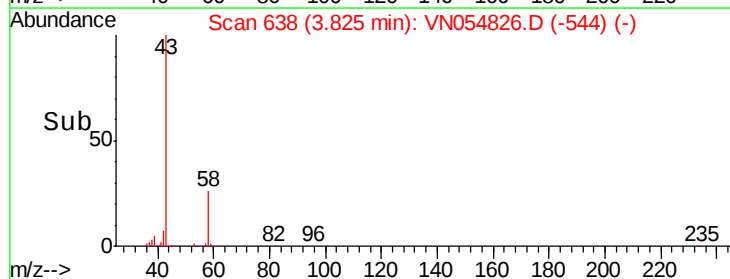
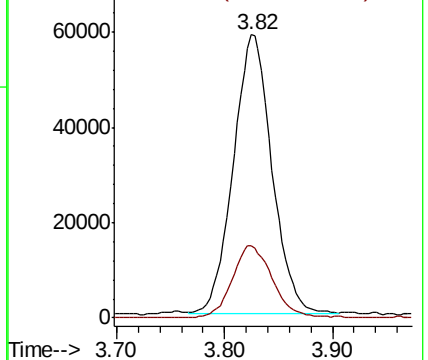
43 100

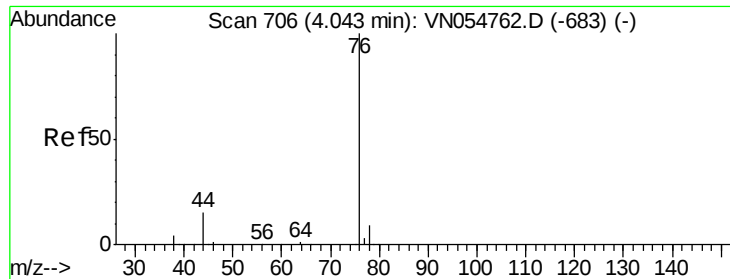
58 25.4 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

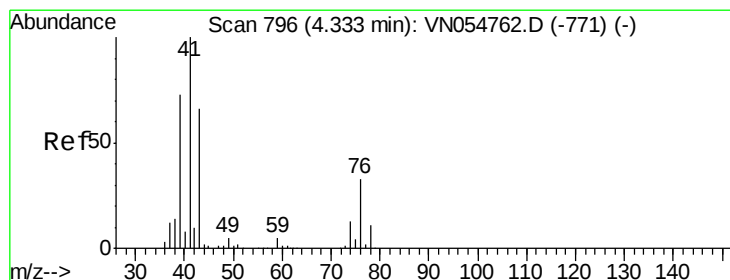
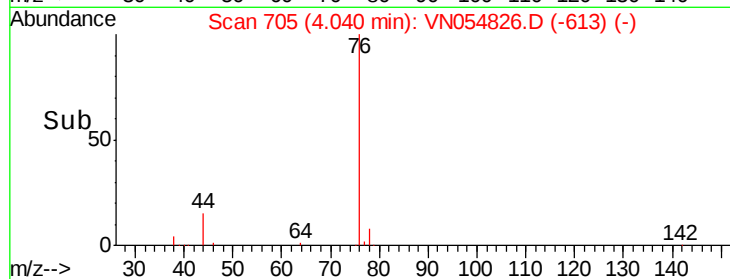
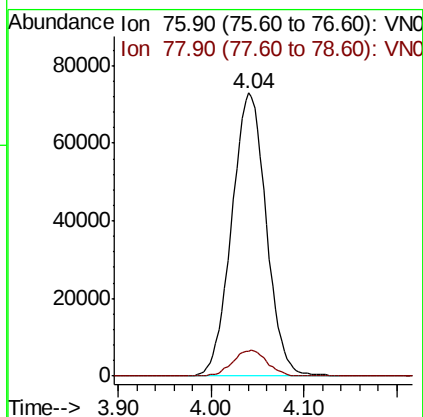
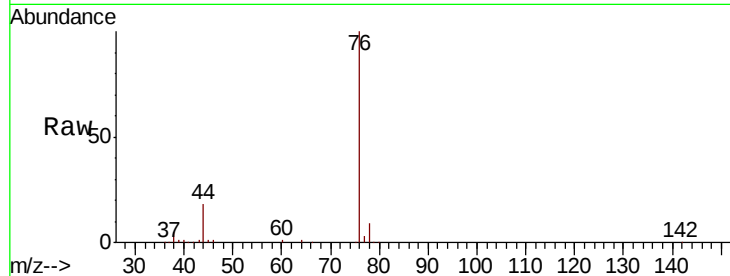




#17
Carbon Disulfide
Concen: 18.587 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

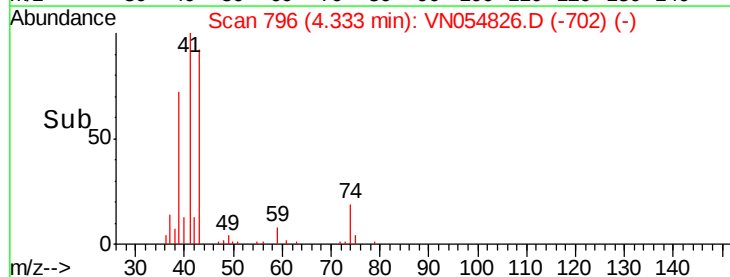
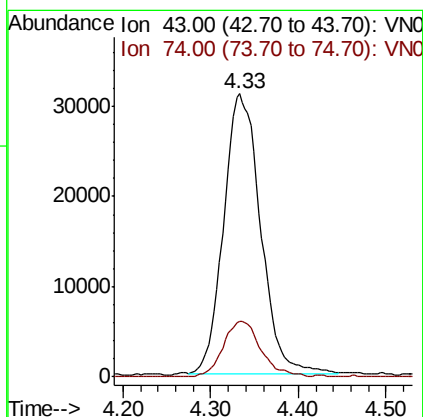
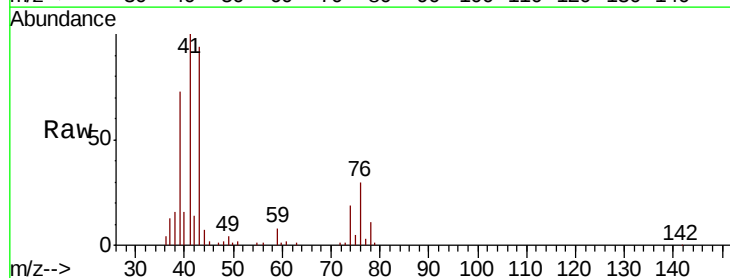
Instrument :
MSVOA_N
ClientSampled :

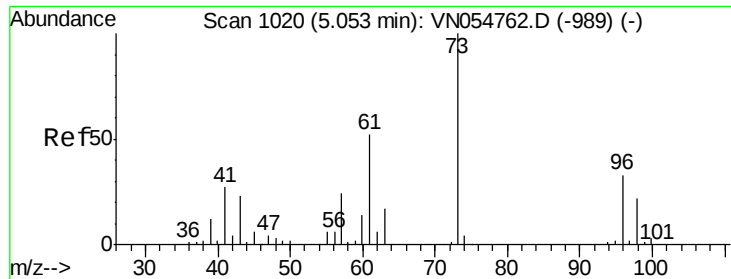
Tot Ion: 76 Resp: 188025
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 26.776 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 90374
Ion Ratio Lower Upper
43 100
74 20.3 20.8 31.2#

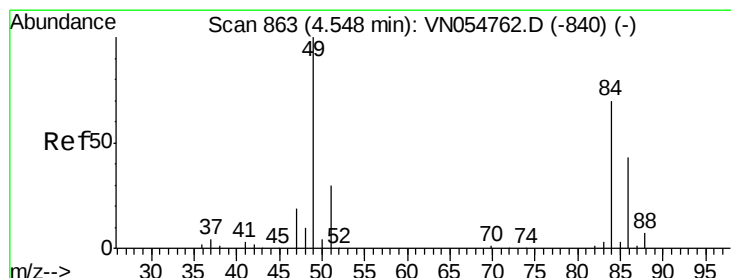
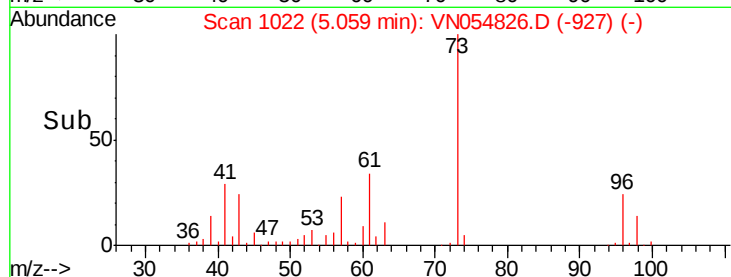
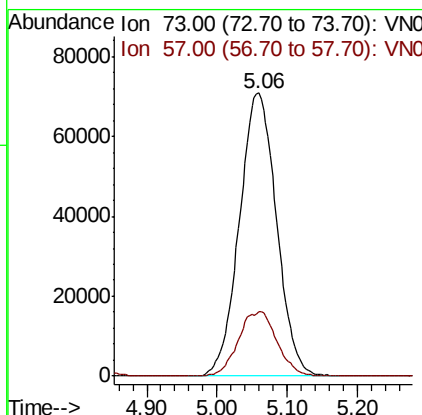
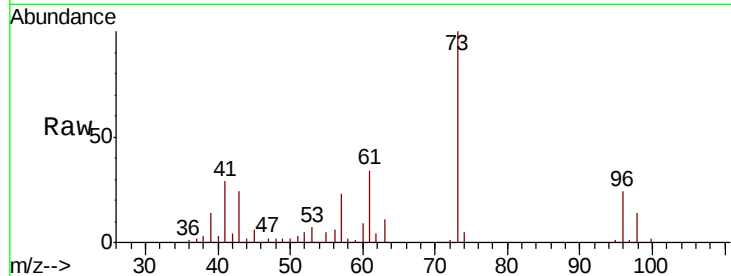




#19
Methvl tert-butvl Ether
Concen: 23.826 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

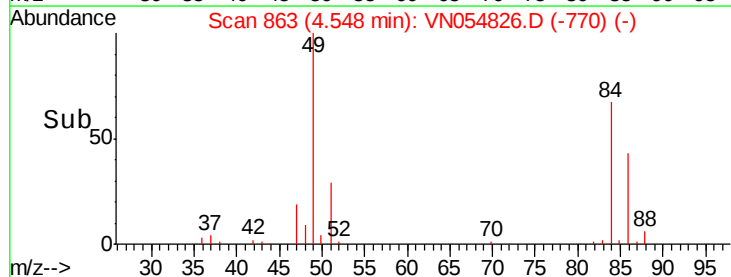
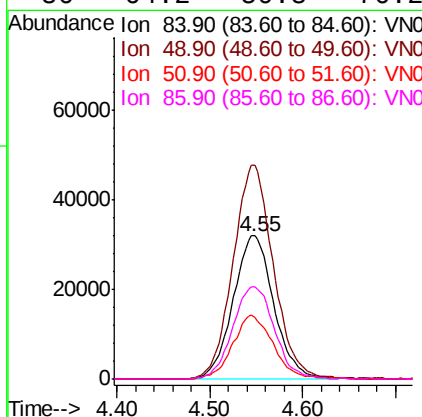
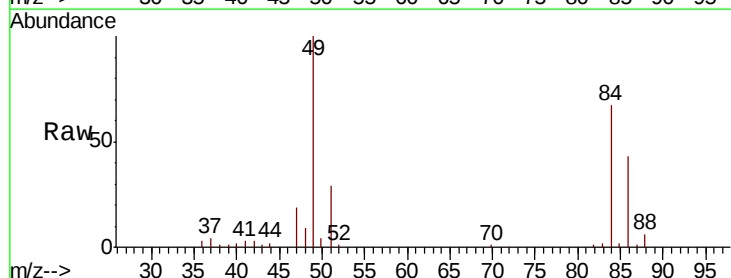
Instrument :
MSVOA_N
ClientSampleId :

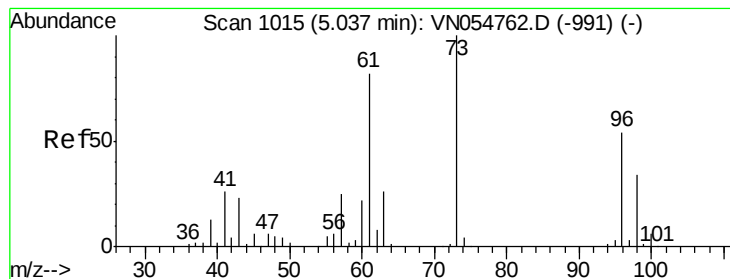
Tot Ion: 73 Resp: 259938
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 21.687 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 84 Resp: 97574
Ion Ratio Lower Upper
84 100
49 149.1 89.7 134.5#
51 43.0 28.2 42.4#
86 64.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.165 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

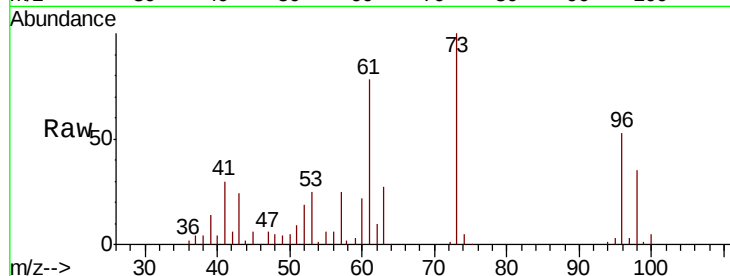
Tot Ion: 96 Resp: 90803

Ion Ratio Lower Upper

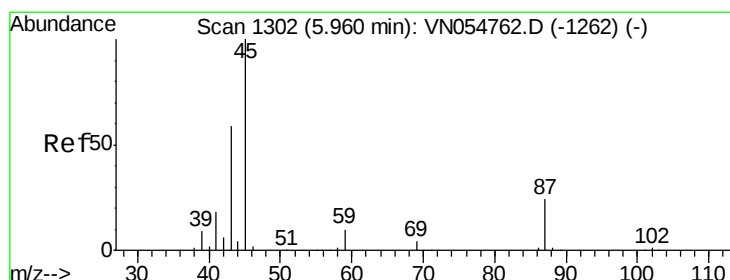
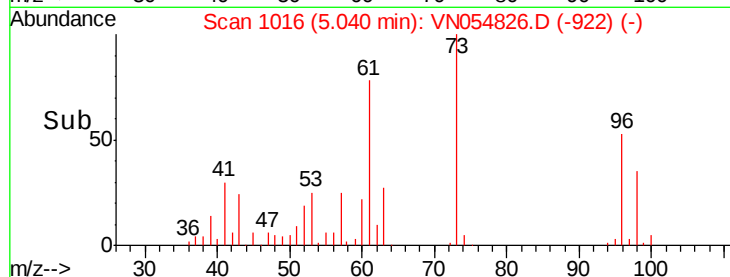
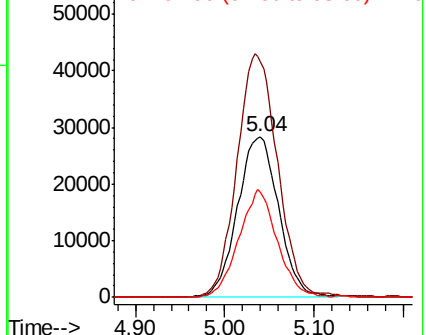
96 100

61 146.6 102.8 154.2

98 65.7 50.0 75.0



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



#22

Diisopropyl ether

Concen: 23.280 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion: 45 Resp: 353733

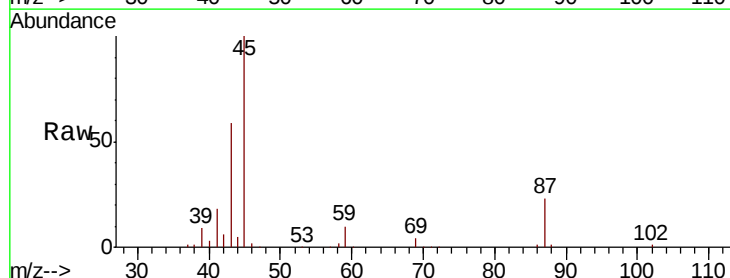
Ion Ratio Lower Upper

45 100

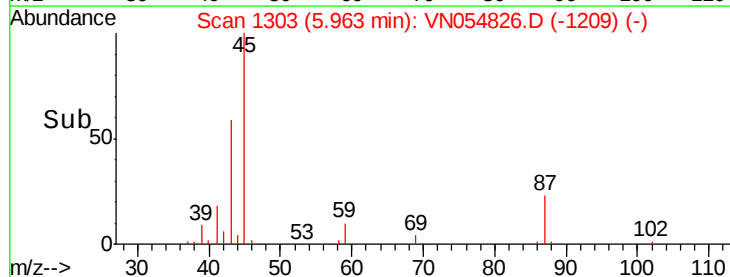
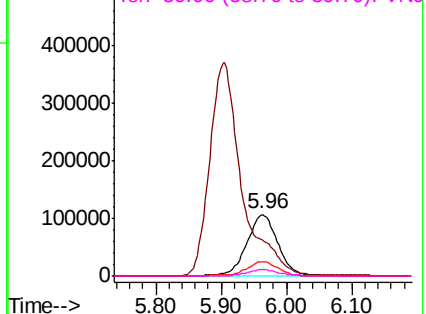
43 57.4 48.2 72.2

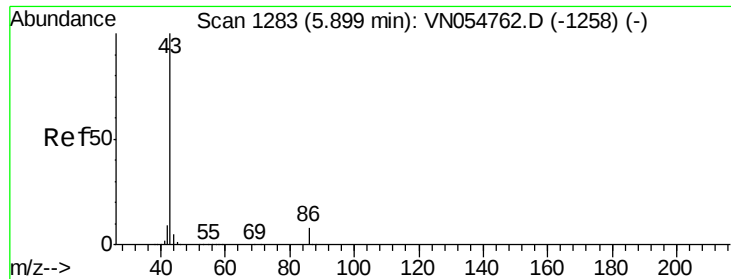
87 23.1 24.9 37.3#

59 9.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 119.571 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

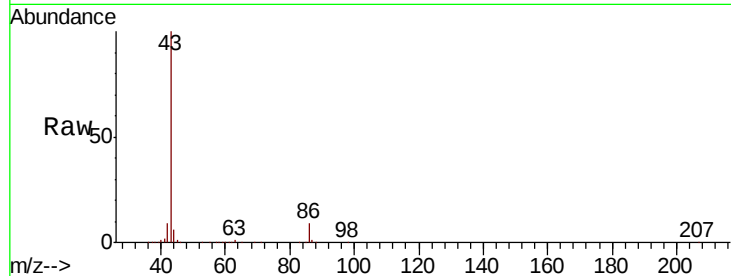
ClientSampleId :

Tot Ion: 43 Resp: 1264325

Ion Ratio Lower Upper

43 100

86 8.7 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

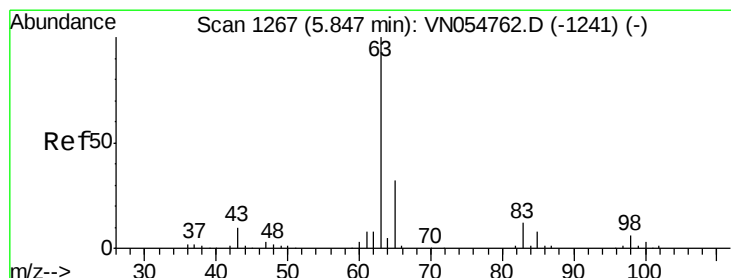
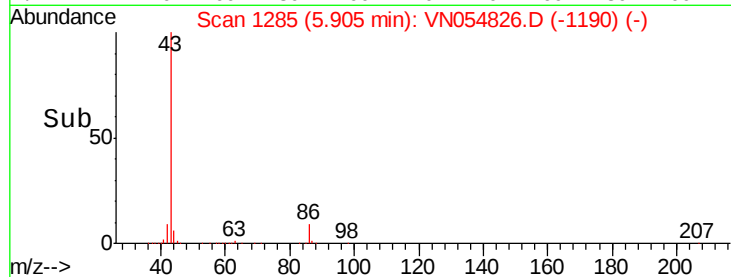
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.652 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

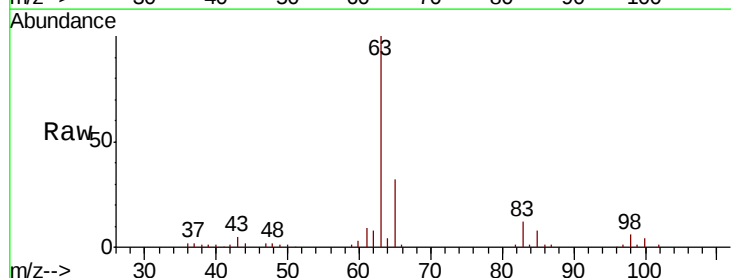
Tgt Ion: 63 Resp: 183597

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

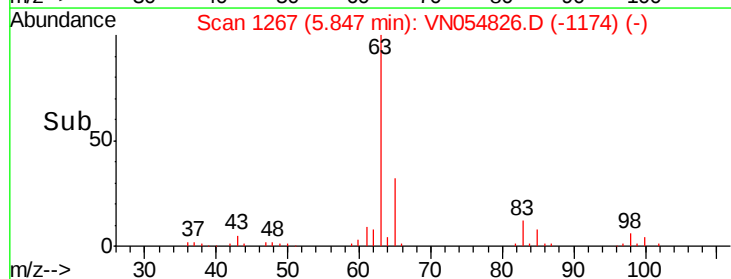
60000

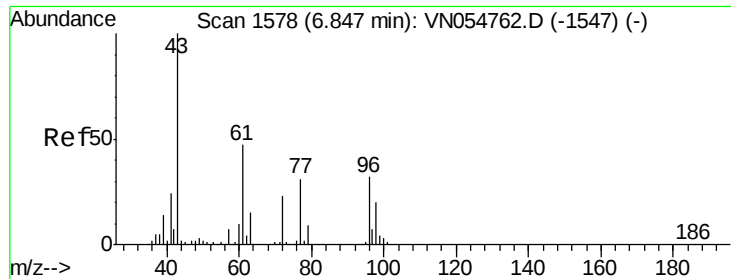
40000

20000

0

Time-->

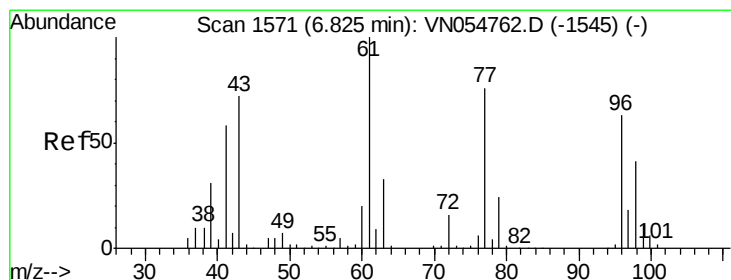
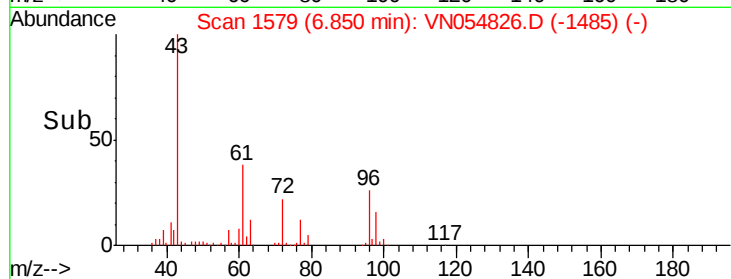
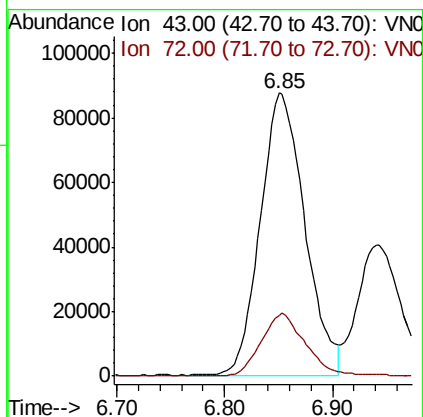
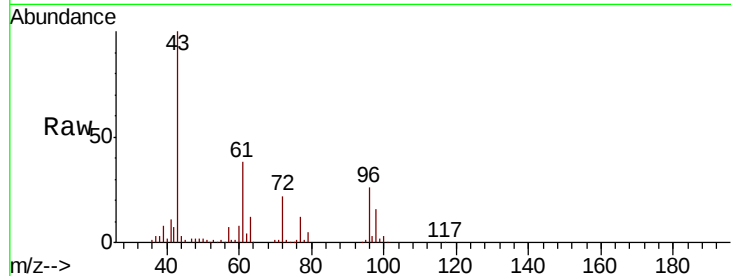




#25
2-Butanone
Concen: 132.429 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

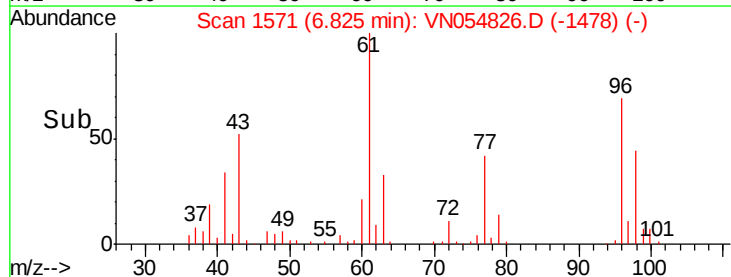
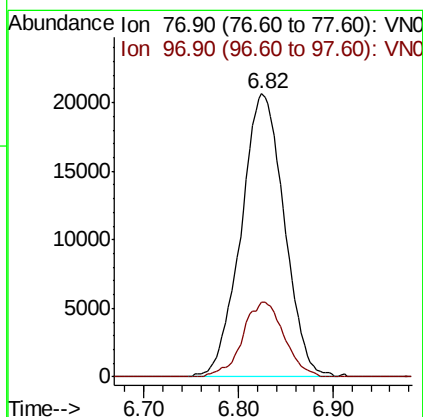
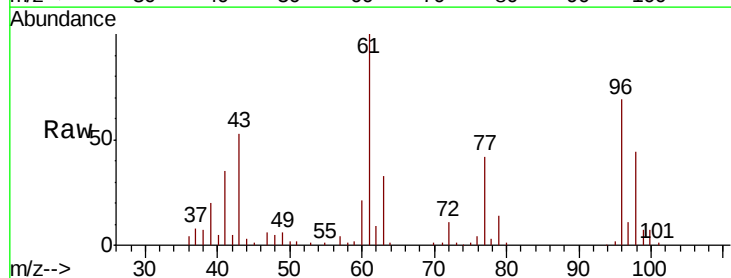
Instrument :
MSVOA_N
ClientSampled :

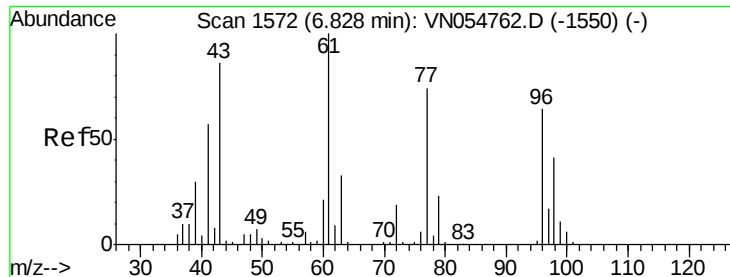
Tot Ion: 43 Resp: 249683
Ion Ratio Lower Upper
43 100
72 21.7 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 11.529 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 77 Resp: 65497
Ion Ratio Lower Upper
77 100
97 25.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.648 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

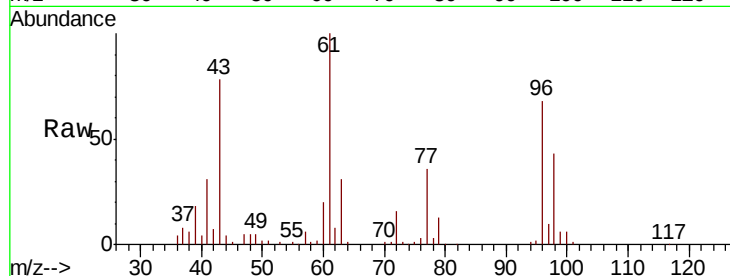
Tot Ion: 96 Resp: 104815

Ion Ratio Lower Upper

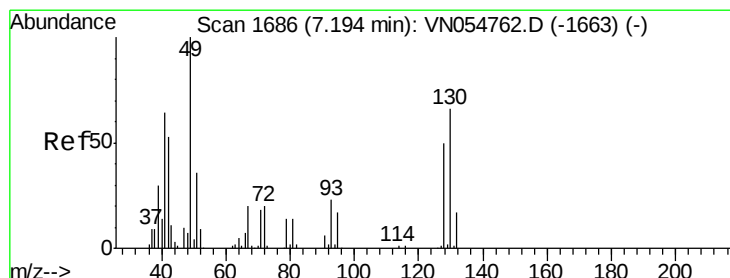
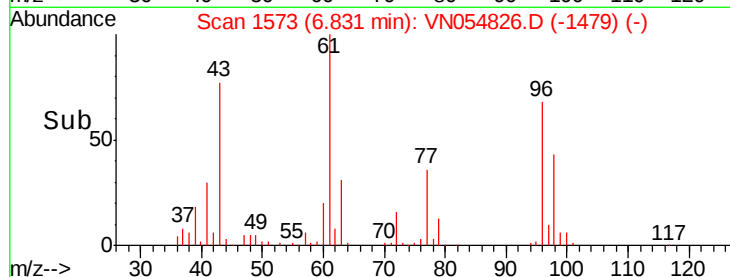
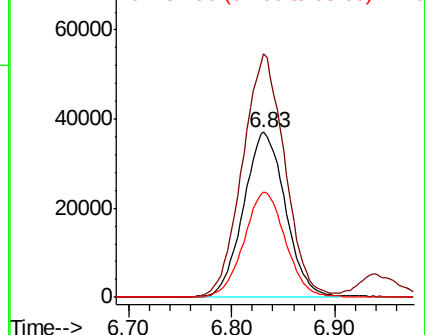
96 100

61 148.8 0.0 273.0

98 63.1 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: 24.656 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

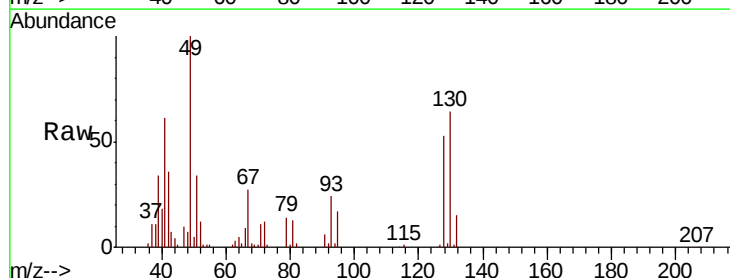
Tgt Ion: 49 Resp: 99929

Ion Ratio Lower Upper

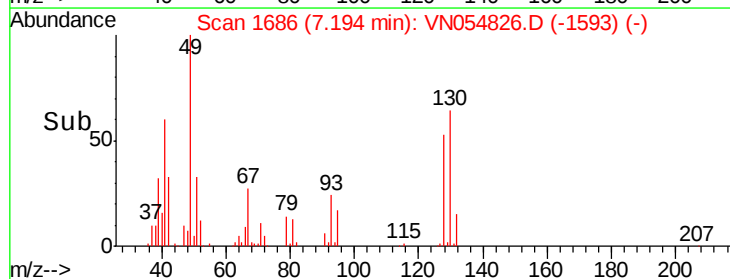
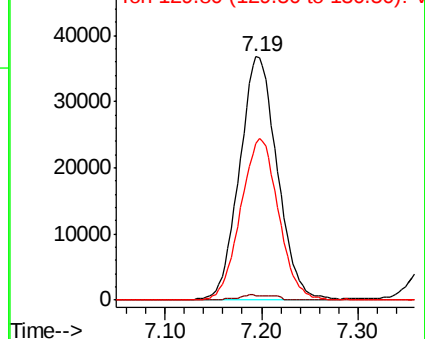
49 100

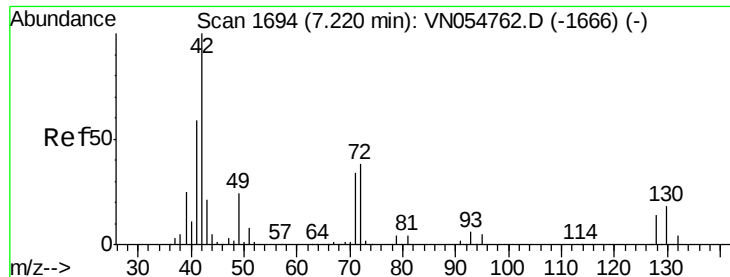
129 1.9 0.0 4.6

130 66.2 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: 133.266 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

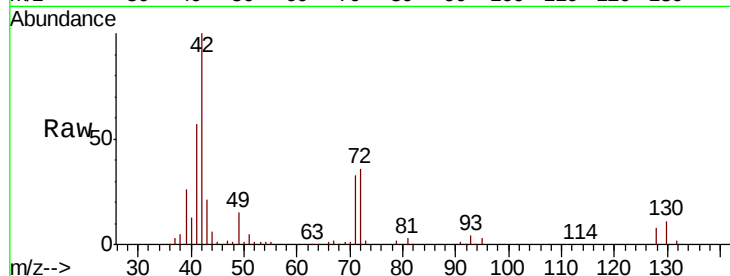
Tot Ion: 42 Resp: 174512

Ion Ratio Lower Upper

42 100

72 35.7 37.8 56.6#

71 32.9 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN054826.D (-1696) (-)

Ion 72.00 (71.70 to 72.70): VN054826.D (-1696) (-)

Ion 71.00 (70.70 to 71.70): VN054826.D (-1696) (-)

7.23

60000

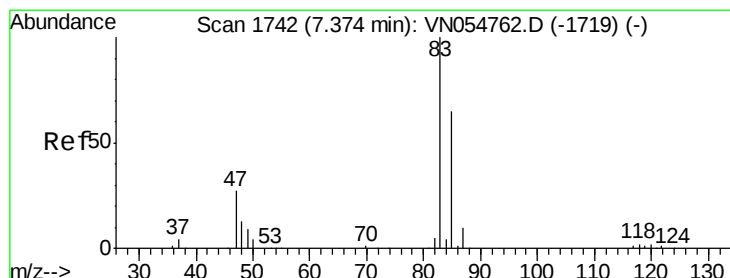
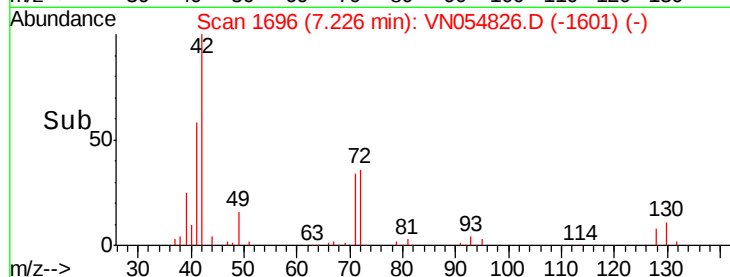
40000

20000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 23.113 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN054826.D

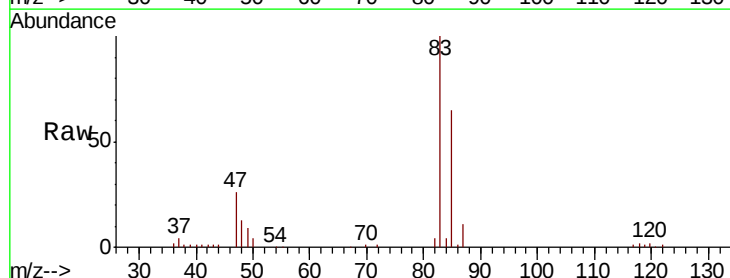
Acq: 31 Mar 2019 2:37

Tgt Ion: 83 Resp: 178637

Ion Ratio Lower Upper

83 100

85 65.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054826.D (-1742) (-)

Ion 84.90 (84.60 to 85.60): VN054826.D (-1742) (-)

80000

60000

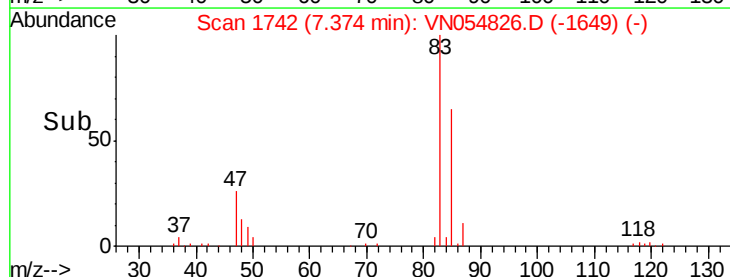
40000

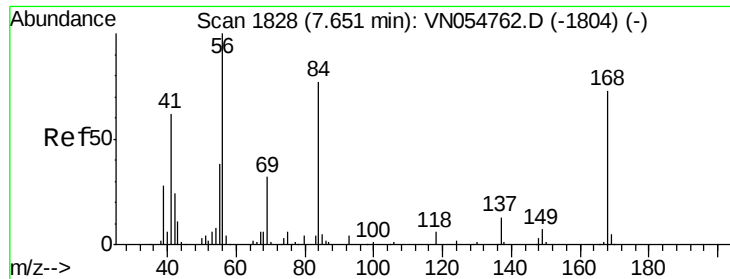
20000

0

7.30 7.40 7.50

Time-->

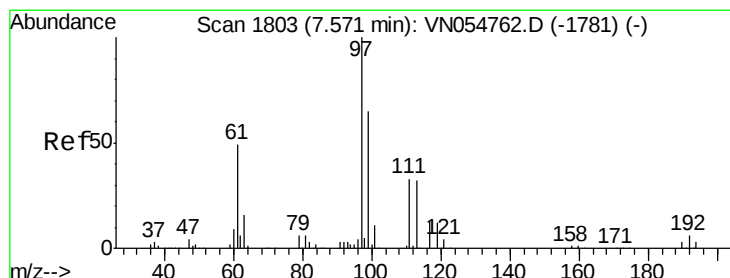
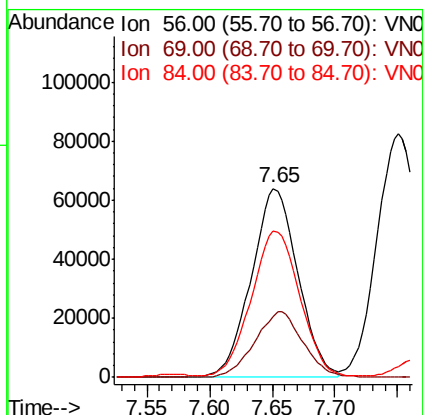
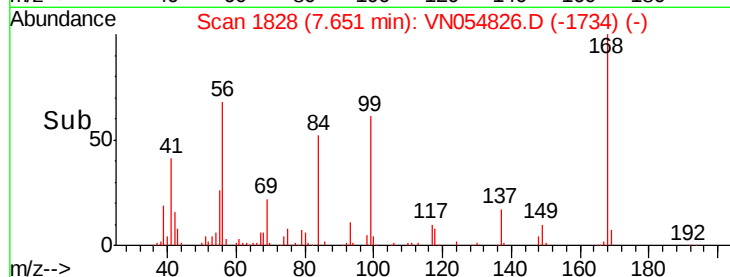
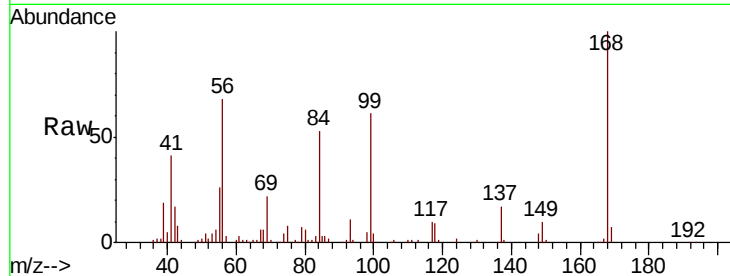




#31
Cyclohexane
Concen: 21.153 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

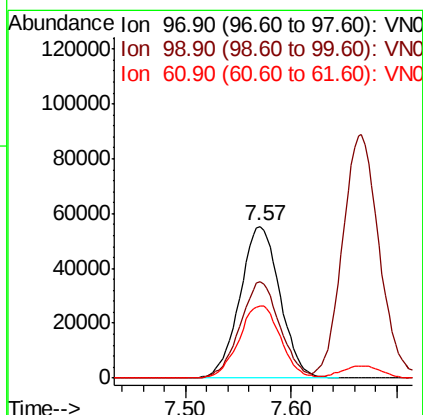
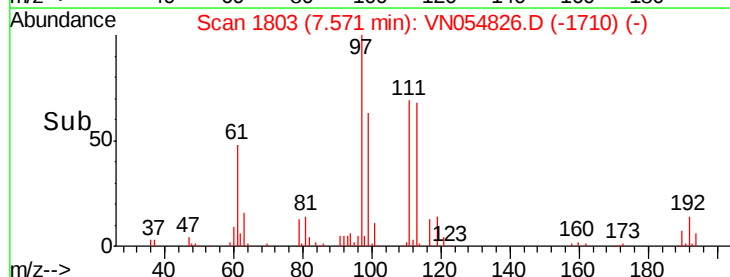
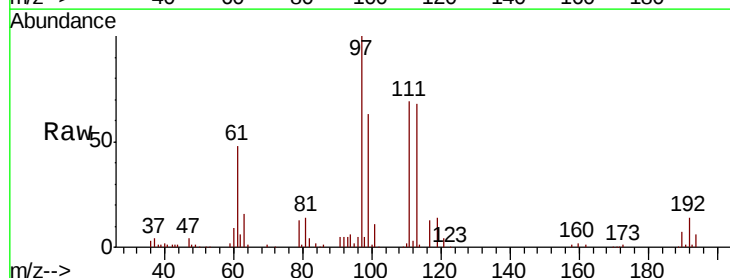
Instrument :
MSVOA_N
ClientSampled :

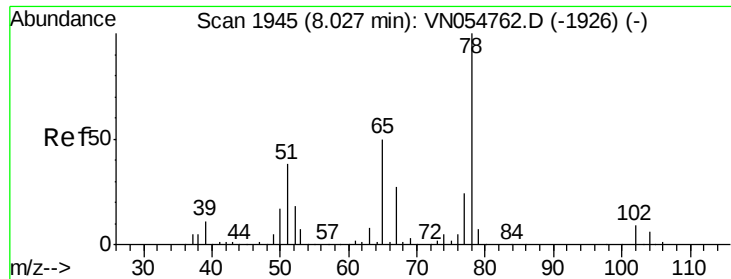
Tot Ion: 56 Resp: 165005
Ion Ratio Lower Upper
56 100
69 32.3 27.8 41.6
84 76.3 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 22.812 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 97 Resp: 146111
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 49.3 33.6 50.4

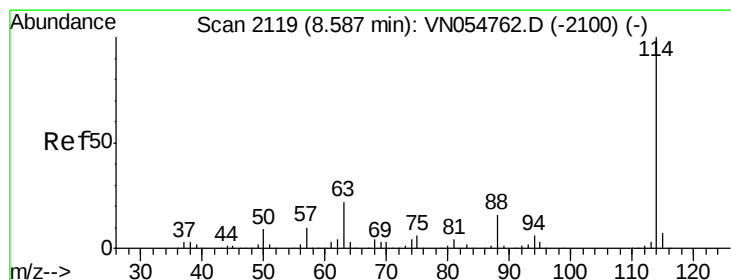
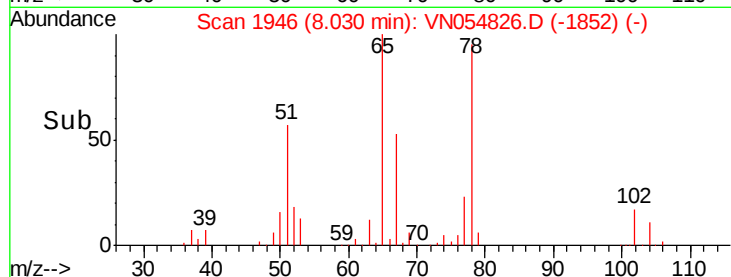
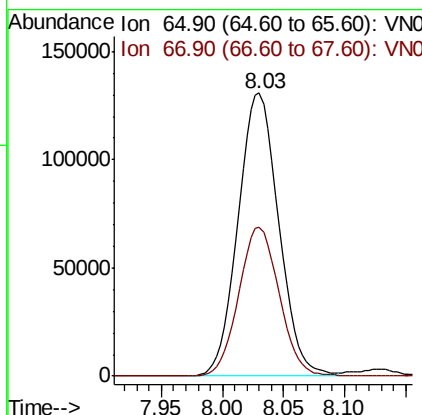
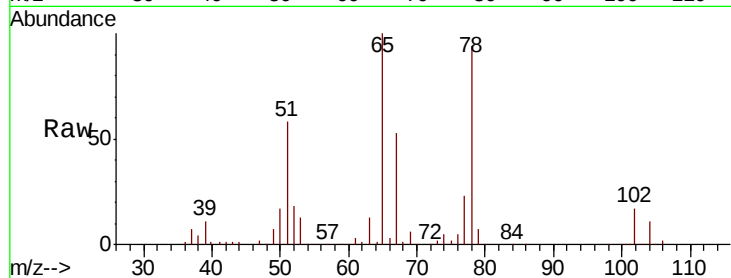




#33
 1,2-Dichloroethane-d4
 Concen: 56.455 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

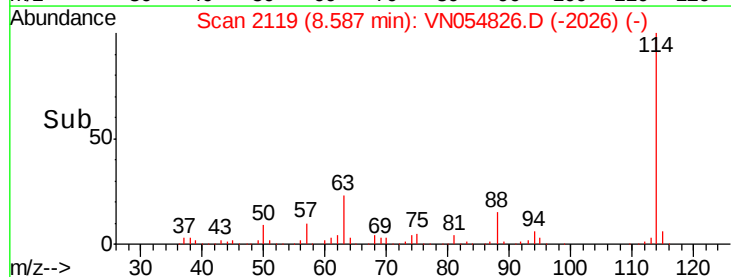
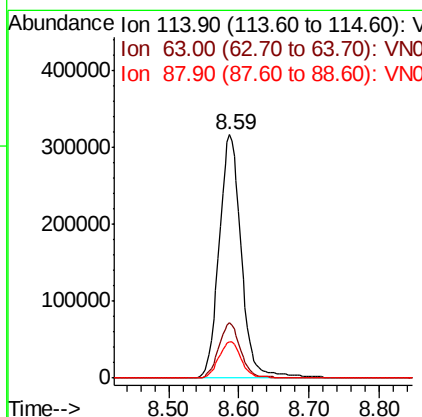
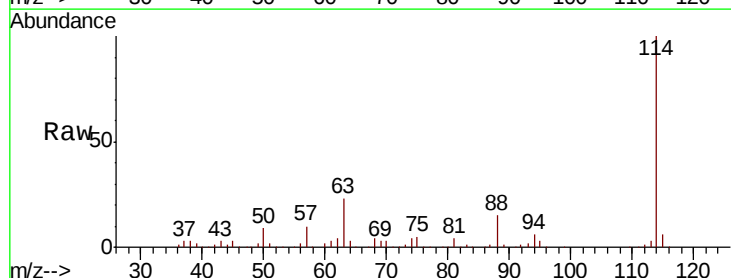
Instrument :
 MSVOA_N
 ClientSampled :

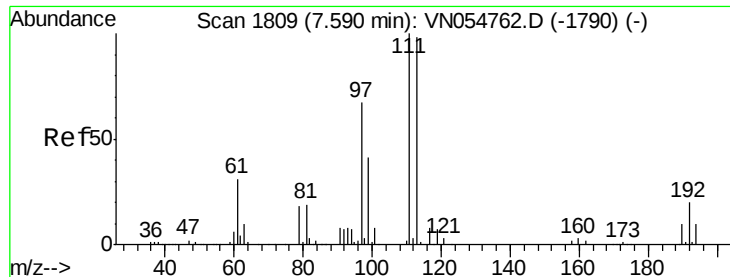
Tot Ion: 65 Resp: 301962
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 114 Resp: 694541
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 15.0 0.0 30.2

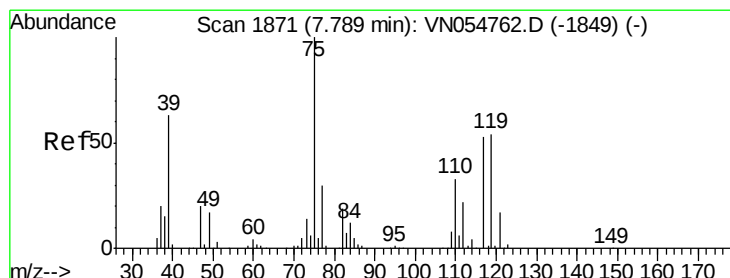
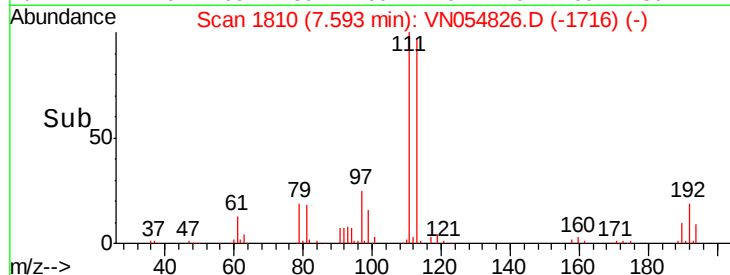
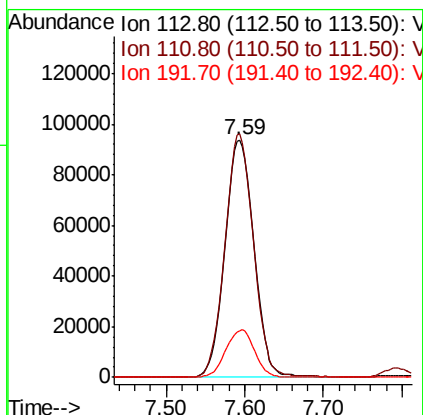
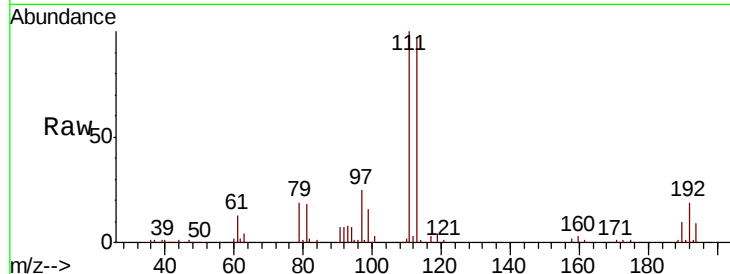




#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

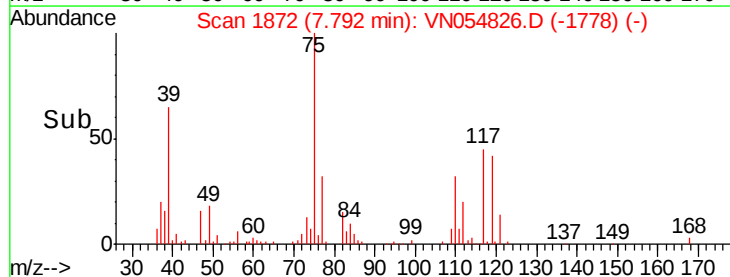
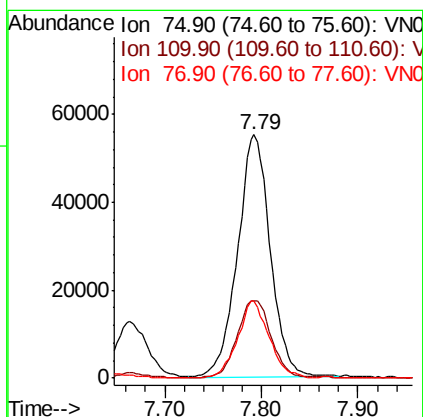
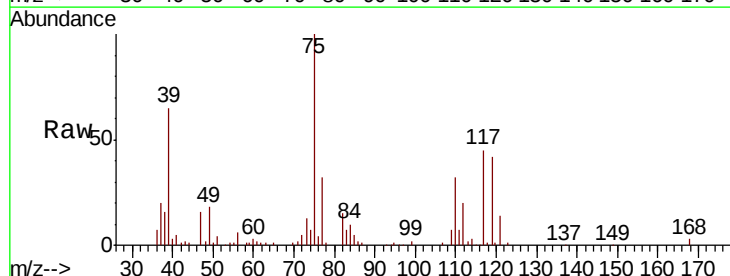
Instrument :
 MSVOA_N
 ClientSampleId :

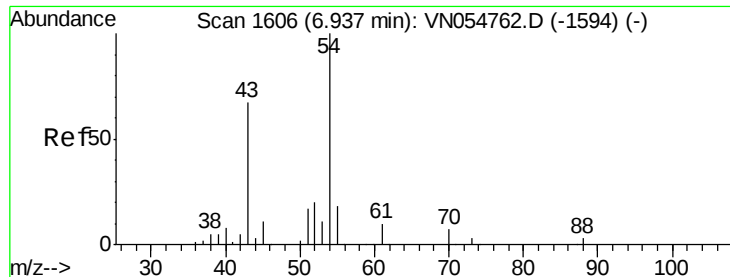
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	19.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.008 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	19.1	57.5
77	30.7	25.0	37.4

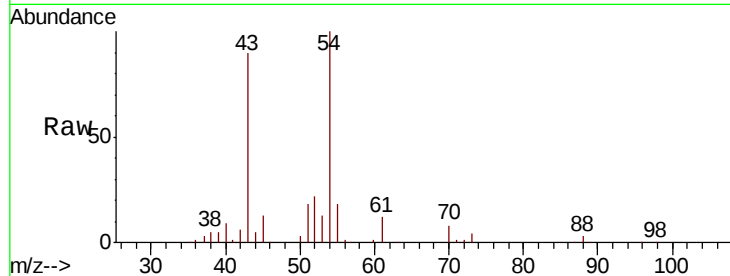




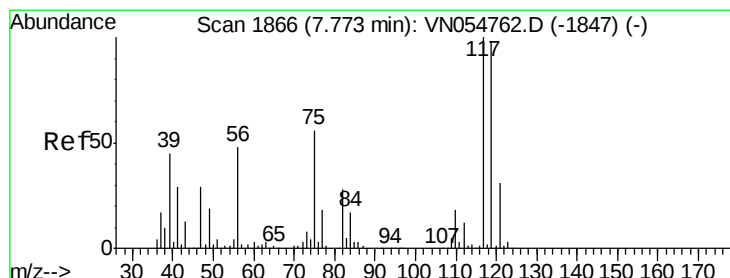
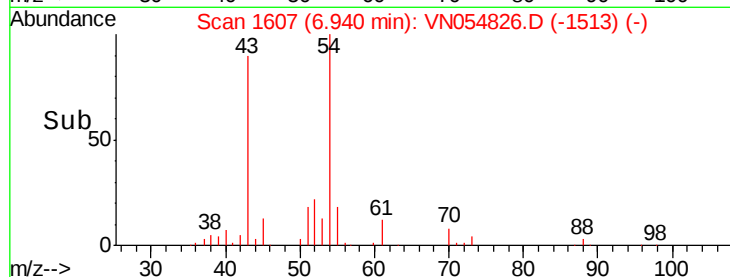
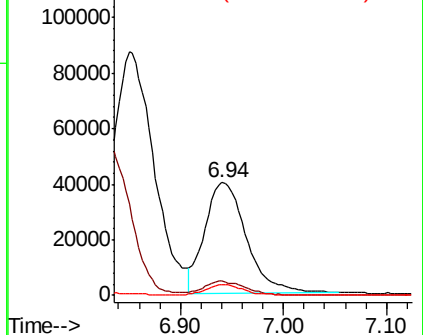
#37
Ethyl Acetate
Concen: 23.494 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 111502
Ion Ratio Lower Upper
43 100
61 12.0 11.8 17.6
70 9.0 8.4 12.6

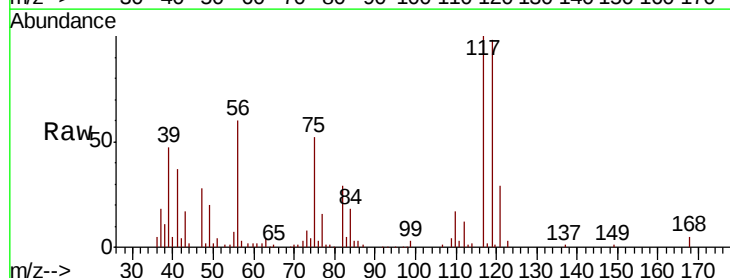


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

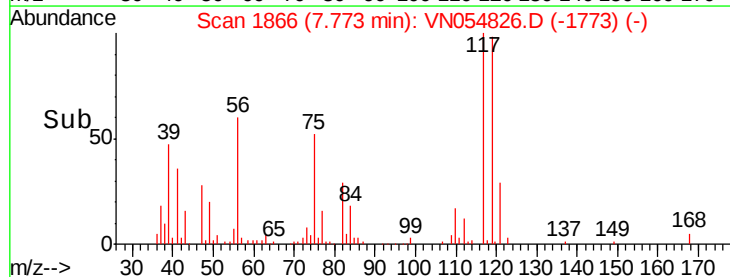
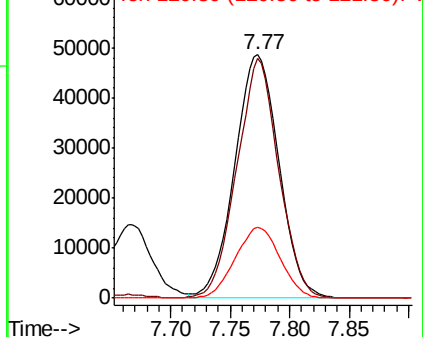


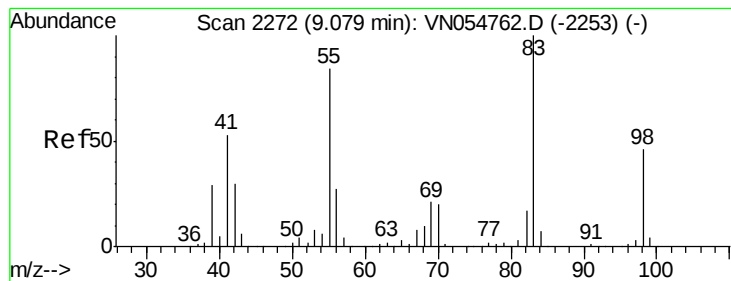
#38
Carbon Tetrachloride
Concen: 19.913 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 117 Resp: 125169
Ion Ratio Lower Upper
117 100
119 98.4 76.3 114.5
121 29.3 24.6 36.8



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





#39

Methvlcvclohexane

Concen: 17.967 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

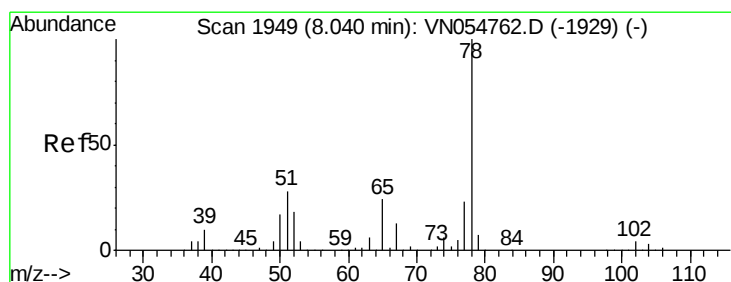
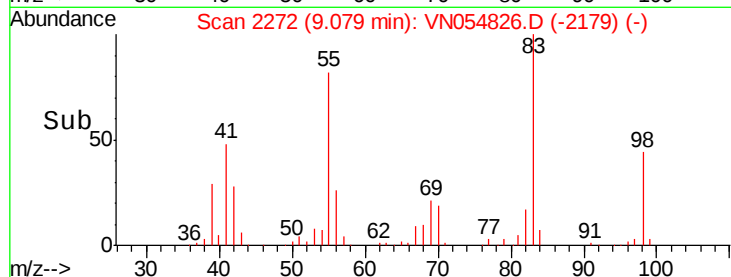
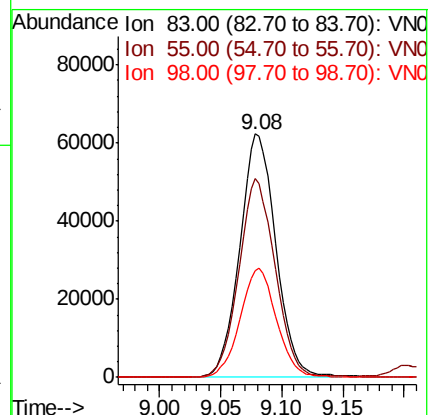
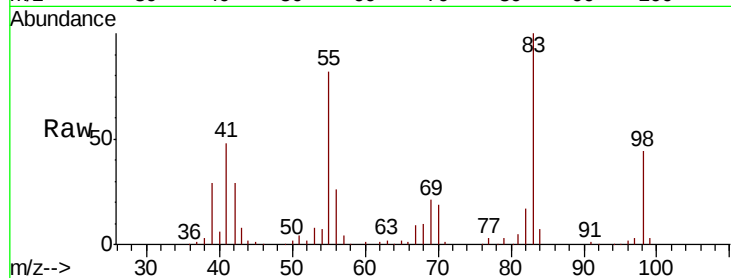
Tot Ion: 83 Resp: 127832

Ion Ratio Lower Upper

83 100

55 81.8 56.6 84.8

98 43.9 38.4 57.6



#40

Benzene

Concen: 21.216 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054826.D

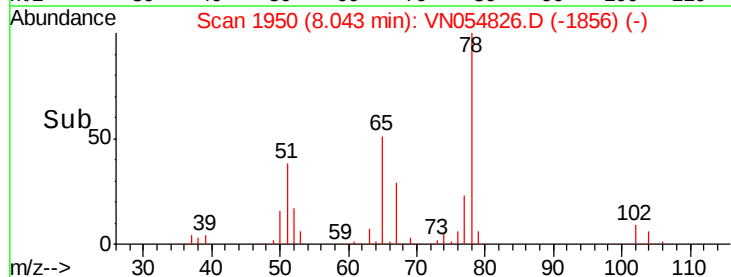
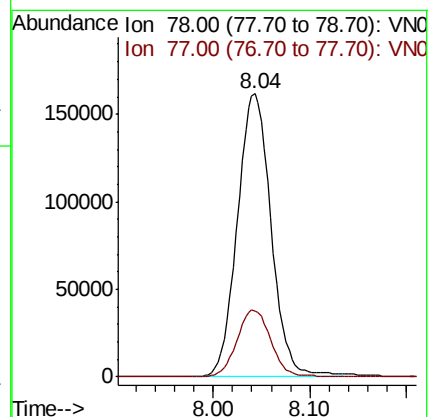
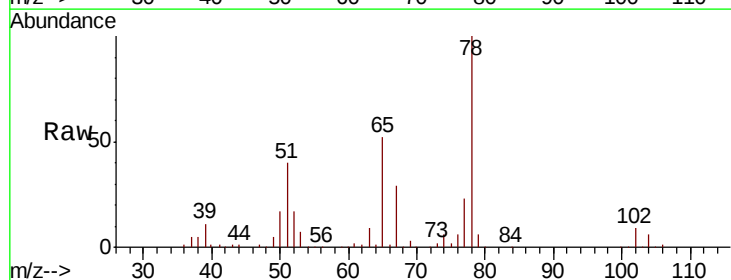
Acq: 31 Mar 2019 2:37

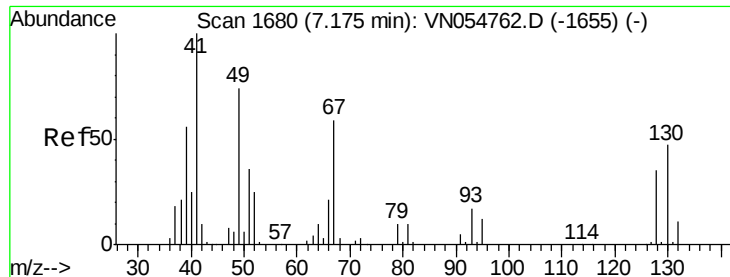
Tgt Ion: 78 Resp: 392880

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7

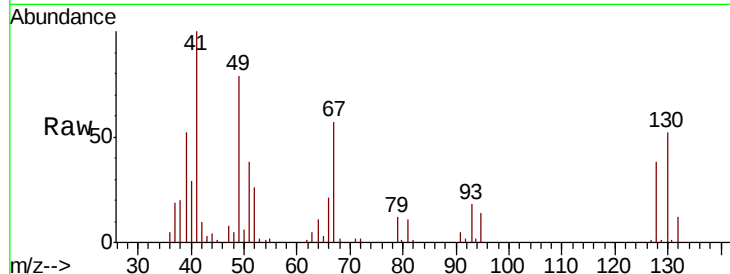




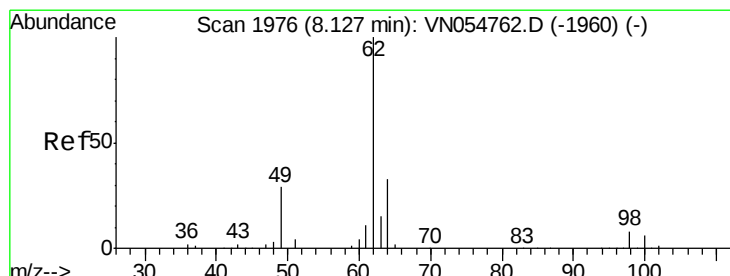
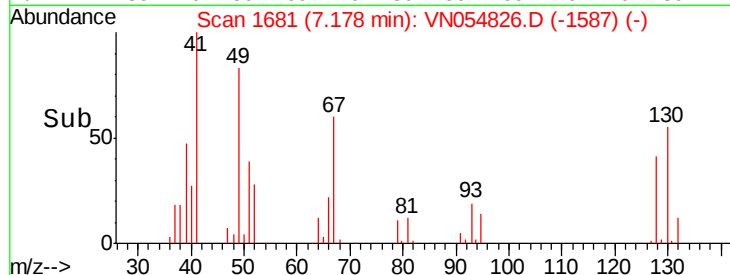
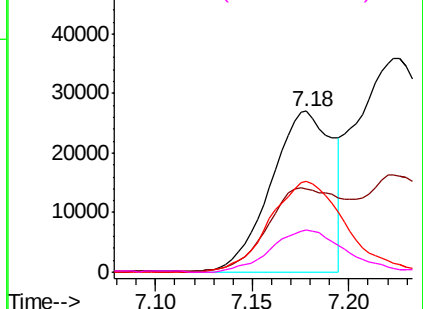
#41
Methacrylonitrile
Concen: 22.610 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 60279
Ion Ratio Lower Upper
41 100
39 67.9 46.8 70.2
67 69.5 67.0 100.4
52 31.8 26.5 39.7

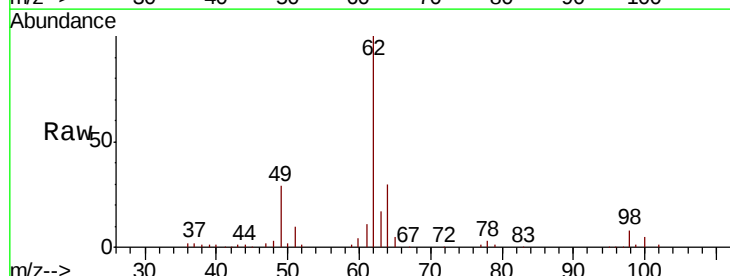


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

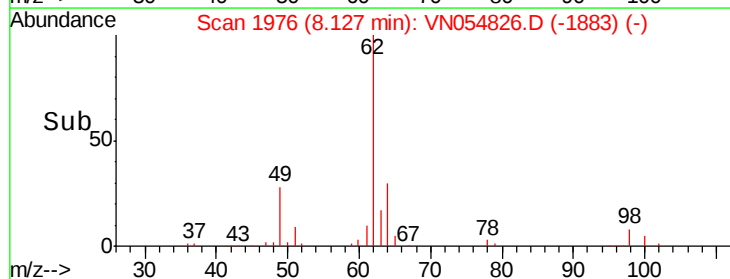
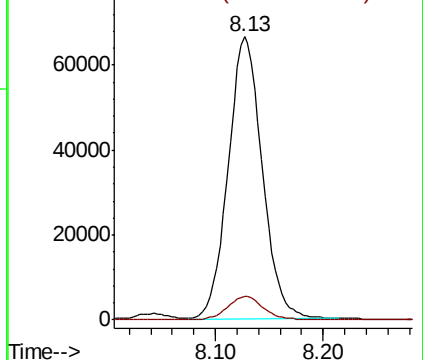


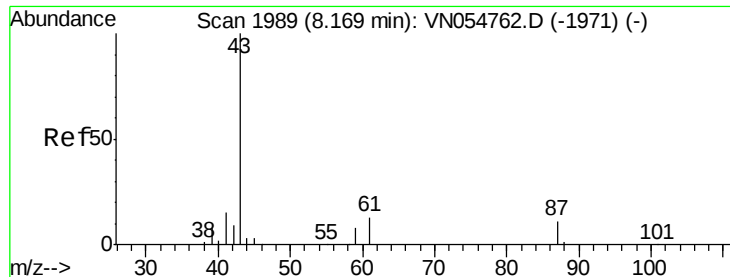
#42
1,2-Dichloroethane
Concen: 22.128 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 62 Resp: 146312
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 23.857 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

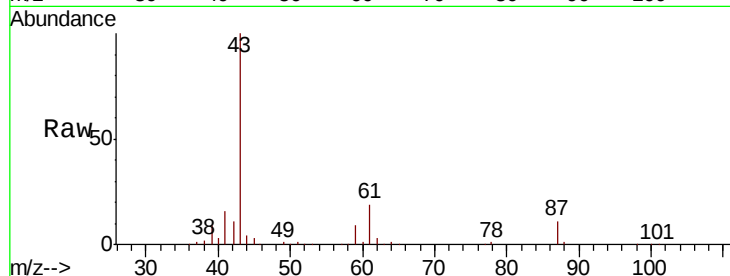
Tot Ion: 43 Resp: 183972

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.8

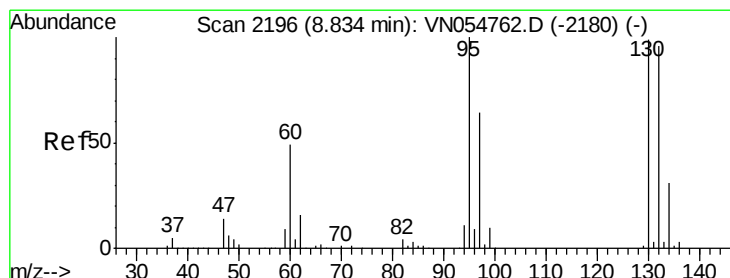
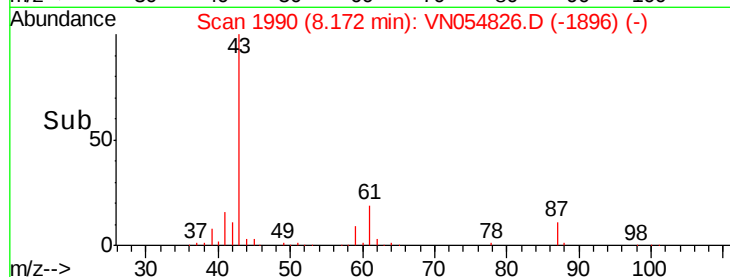
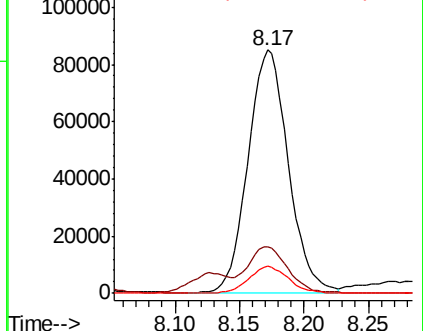
87 11.0 12.0 18.0#



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: 20.952 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054826.D

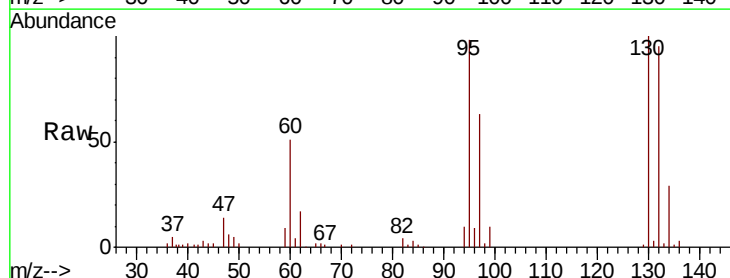
Acq: 31 Mar 2019 2:37

Tgt Ion:130 Resp: 100719

Ion Ratio Lower Upper

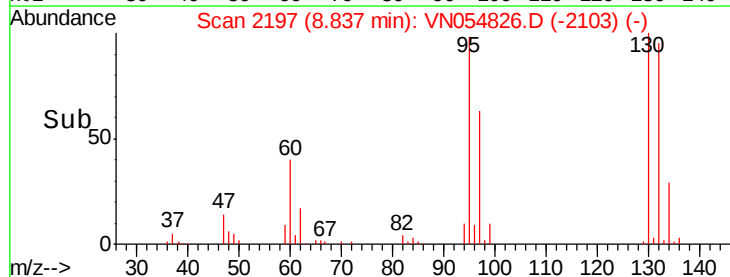
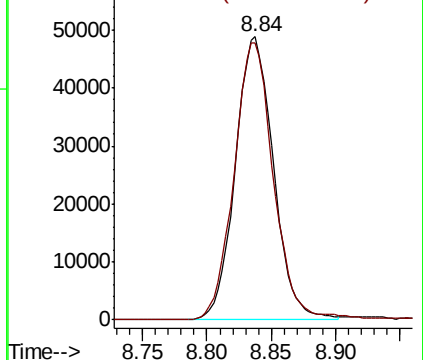
130 100

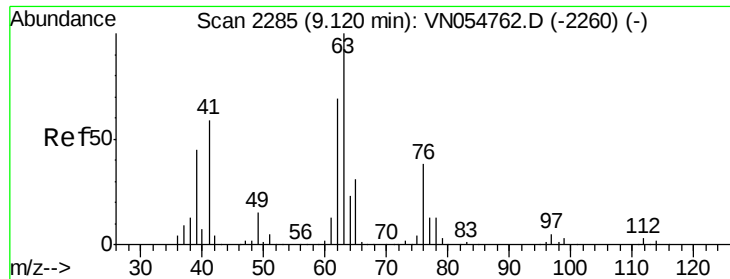
95 97.9 0.0 185.2



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

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

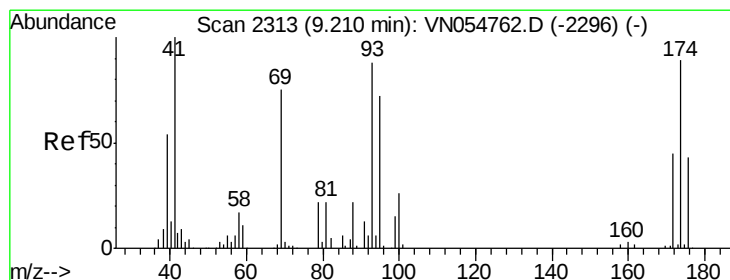
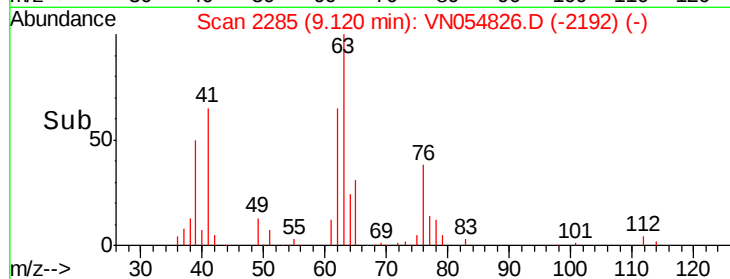
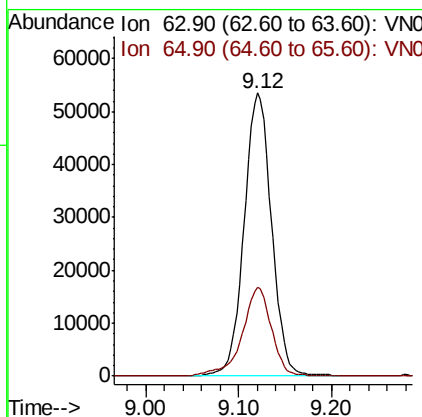
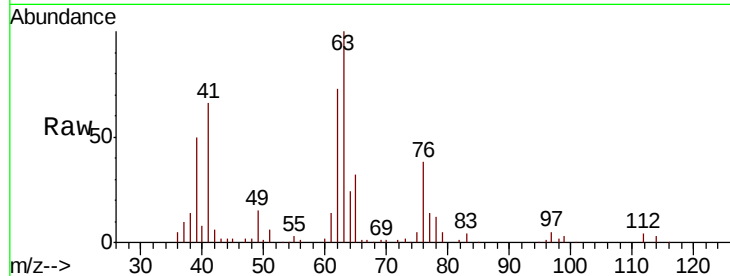




#45
 1,2-Dichloropropane
 Concen: 20.839 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

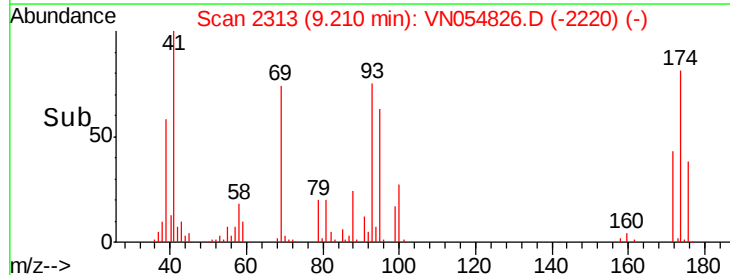
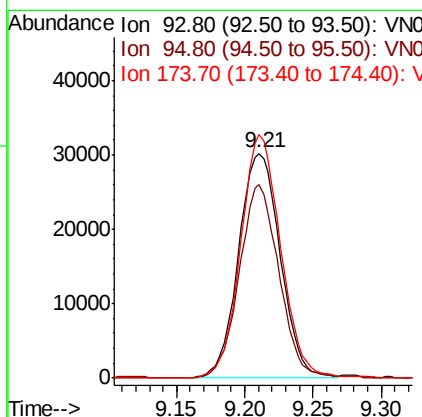
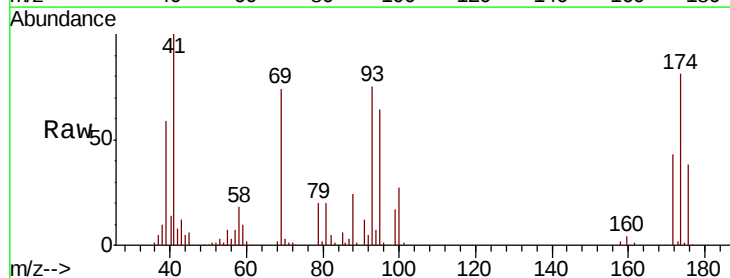
Instrument :
 MSVOA_N
 ClientSampleId :

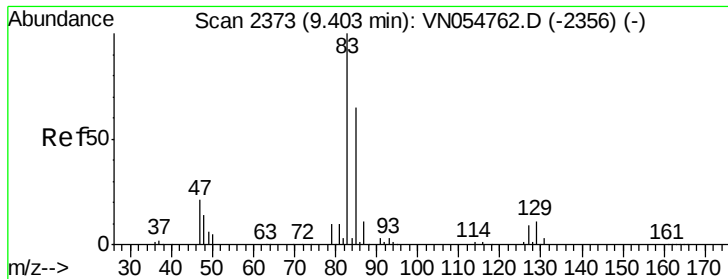
Tot Ion: 63 Resp: 110036
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6



#46
 Dibromomethane
 Concen: 21.624 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 93 Resp: 64232
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.7 100.1
 174 103.9 98.5 147.7





#47

Bromodichloromethane

Concen: 21.921 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

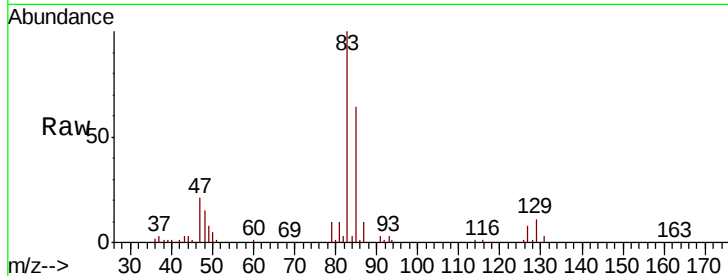
Tot Ion: 83 Resp: 135327

Ion Ratio Lower Upper

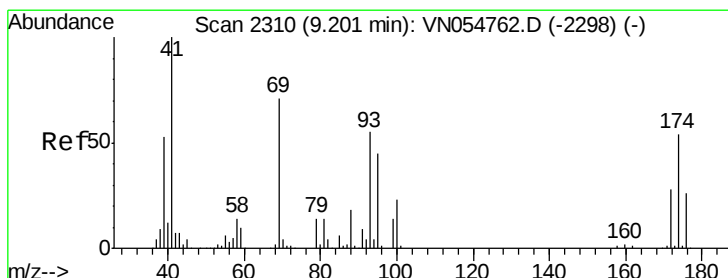
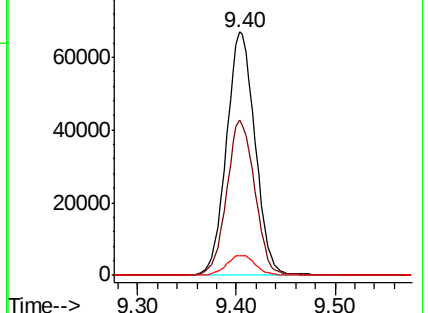
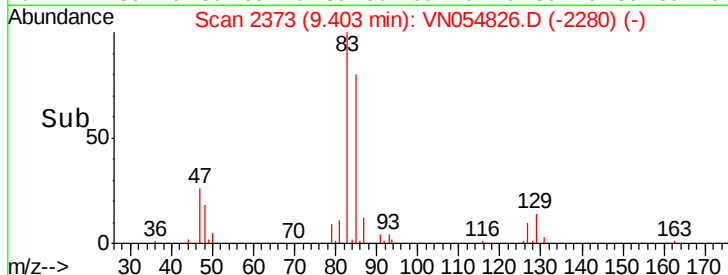
83 100

85 63.6 52.8 79.2

127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054826.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.768 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

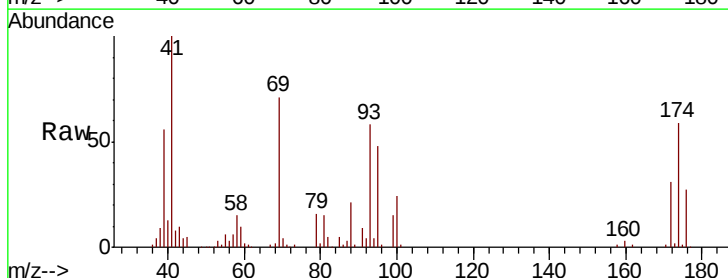
Tgt Ion: 41 Resp: 90996

Ion Ratio Lower Upper

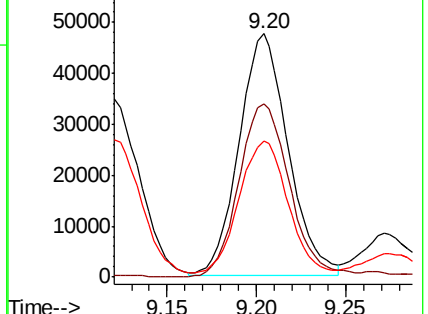
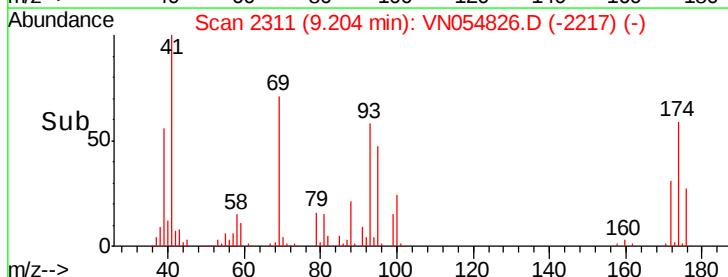
41 100

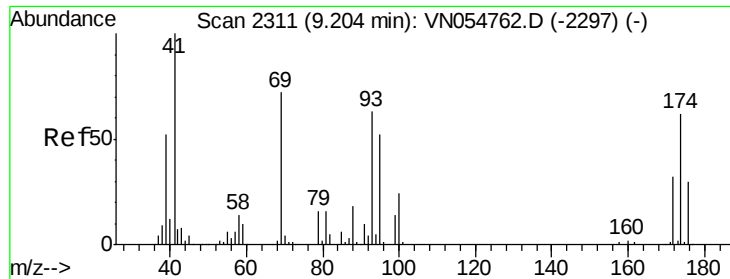
69 74.4 72.6 108.8

39 56.7 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054826.D (-2217) (-)





#49

1,4-Dioxane

Concen: 505.223 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

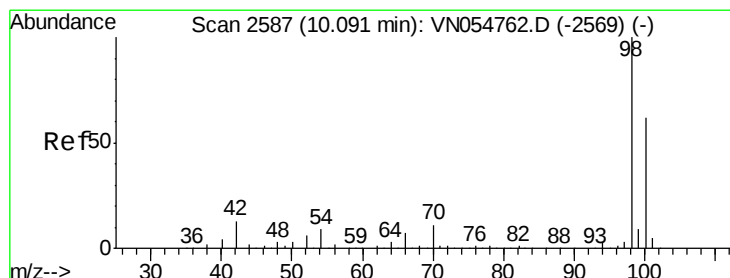
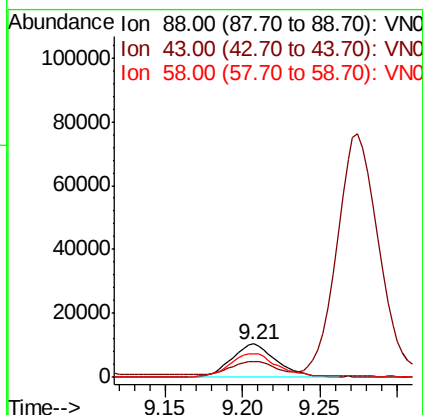
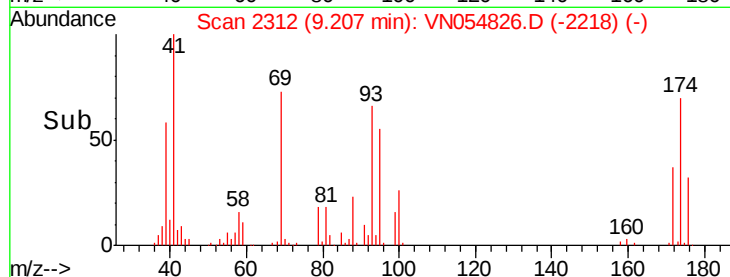
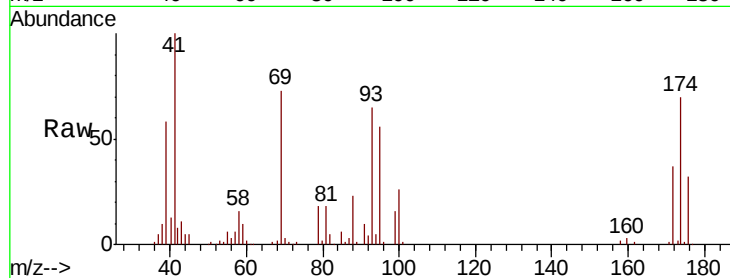
Tot Ion: 88 Resp: 20955

Ion Ratio Lower Upper

88 100

43 38.0 24.1 36.1#

58 76.6 50.8 76.2#



#50

Toluene-d8

Concen: 49.426 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054826.D

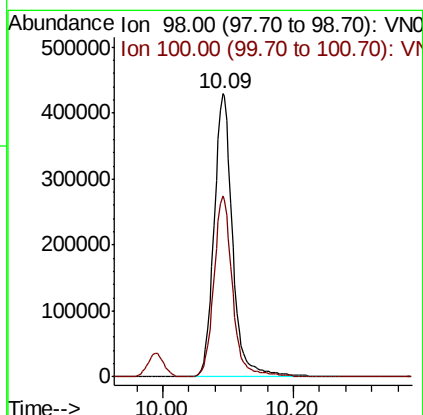
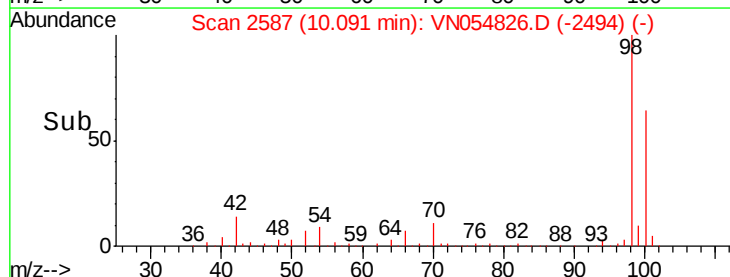
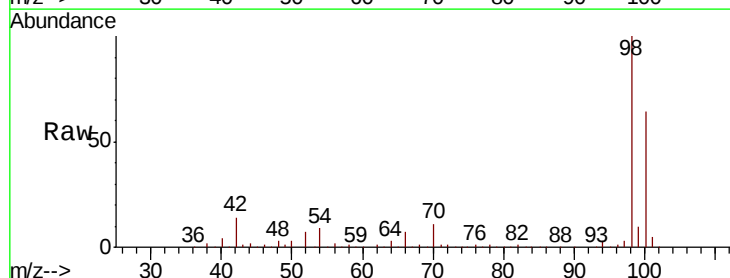
Acq: 31 Mar 2019 2:37

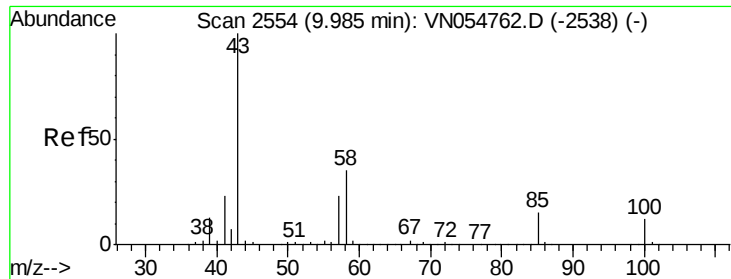
Tgt Ion: 98 Resp: 850869

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 123.297 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

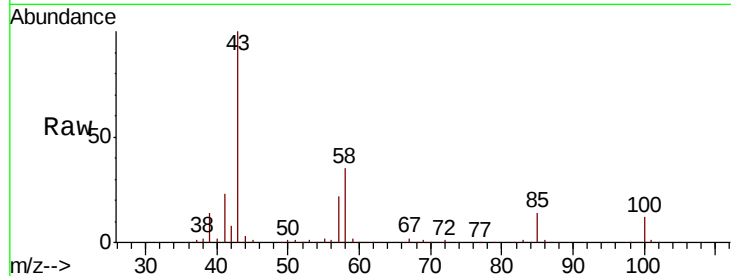
ClientSampleId :

Tot Ion: 43 Resp: 534563

Ion Ratio Lower Upper

43 100

58 34.6 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) (-)

9.99

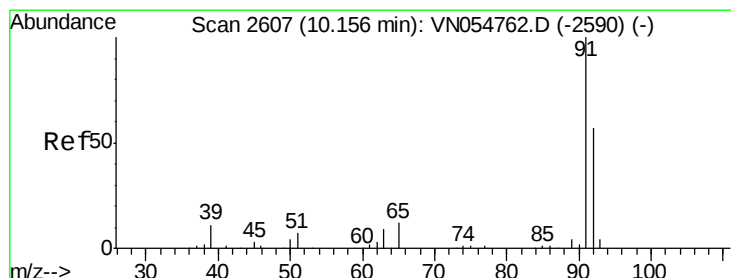
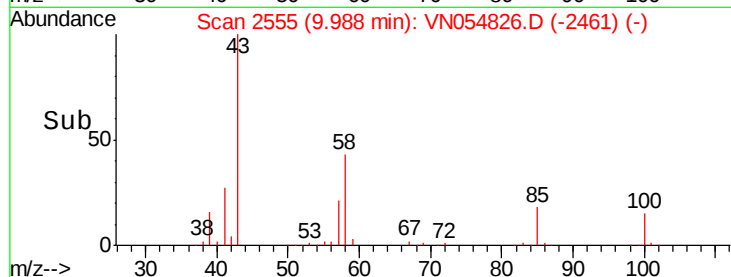
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.926 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054826.D

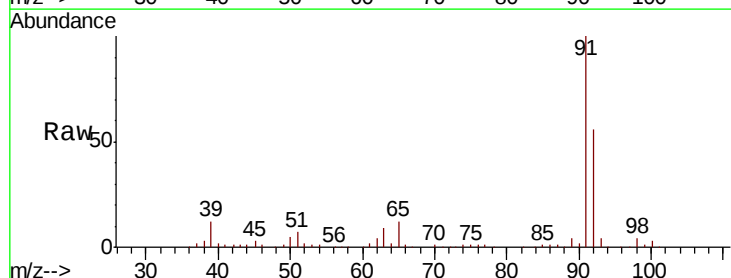
Acq: 31 Mar 2019 2:37

Tgt Ion: 92 Resp: 230583

Ion Ratio Lower Upper

92 100

91 177.9 140.7 211.1



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

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

10.16

200000

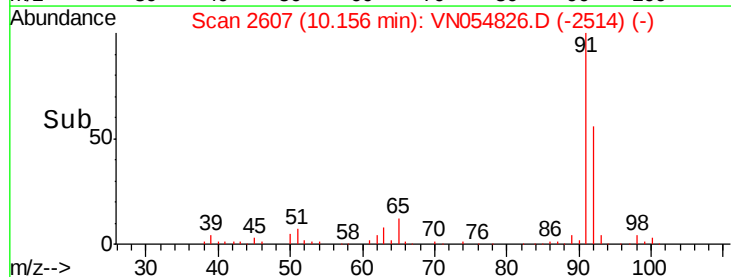
150000

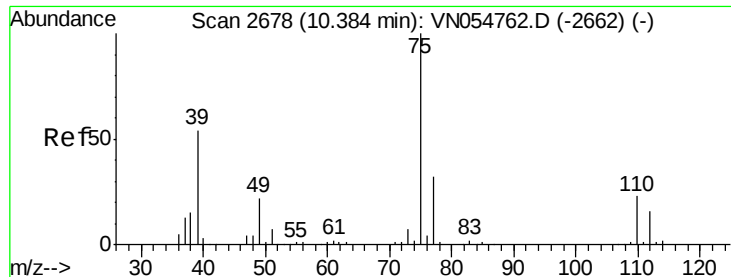
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.473 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

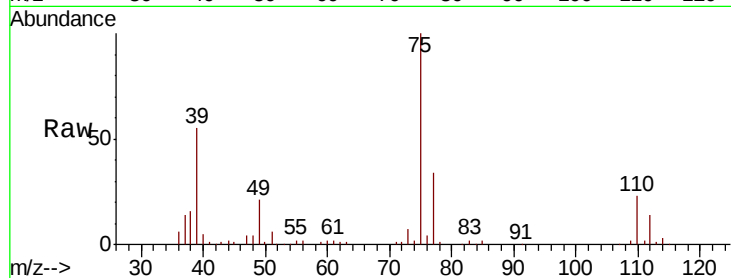
ClientSampleId :

Tot Ion: 75 Resp: 107276

Ion Ratio Lower Upper

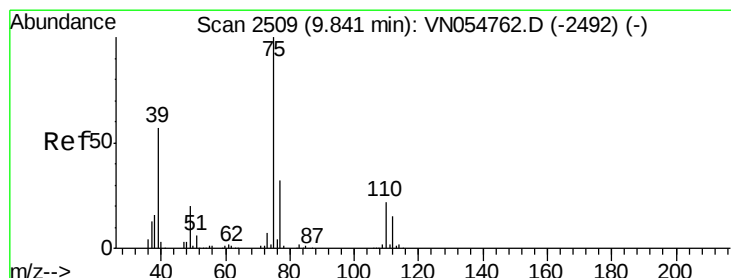
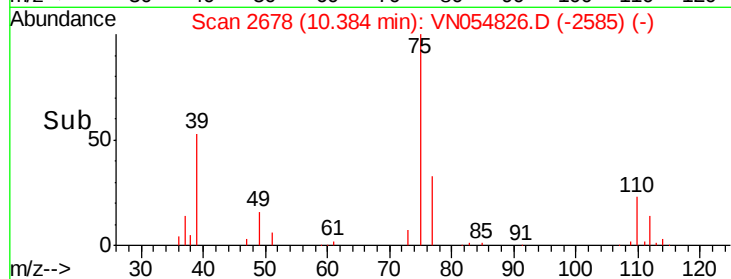
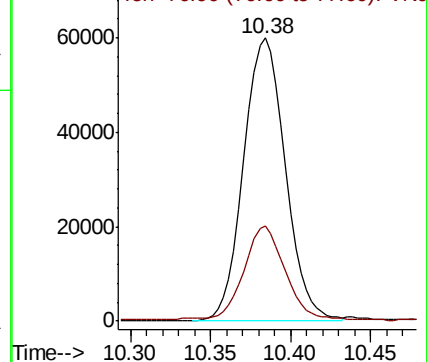
75 100

77 32.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.142 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

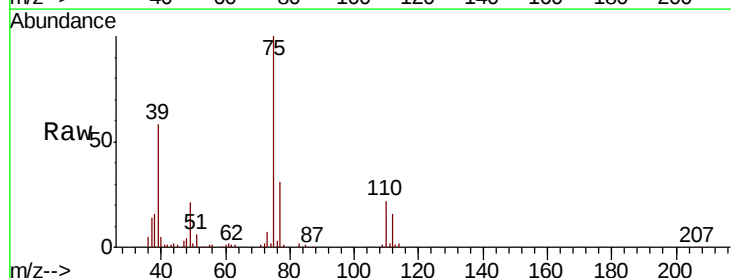
Tgt Ion: 75 Resp: 132782

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

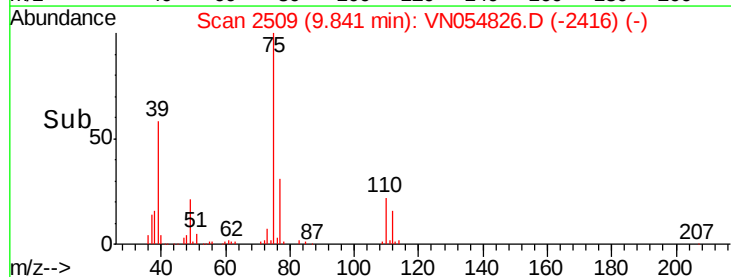
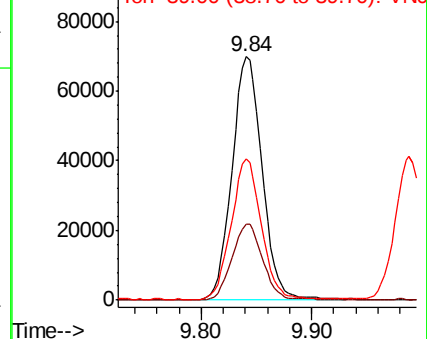
39 57.9 37.2 55.8#

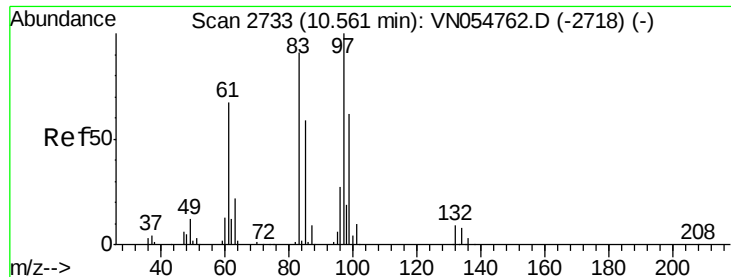


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

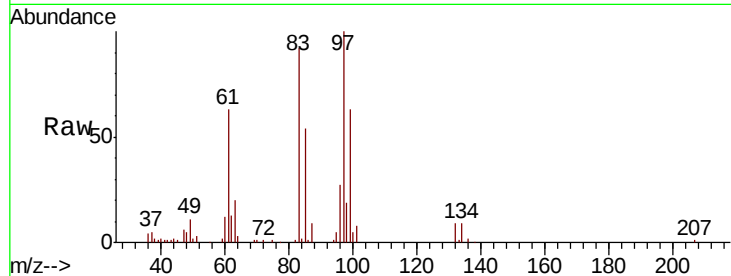




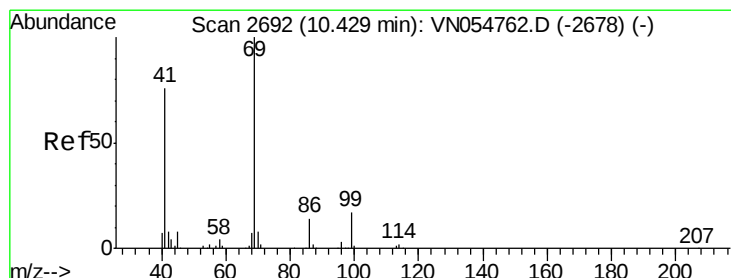
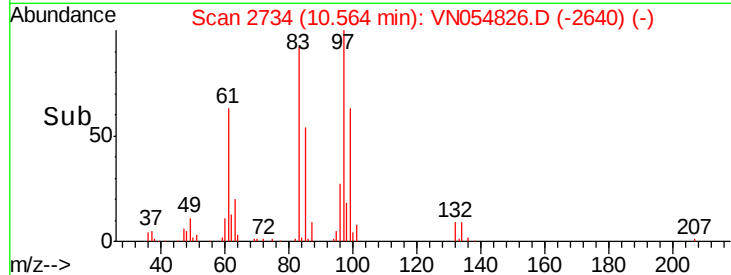
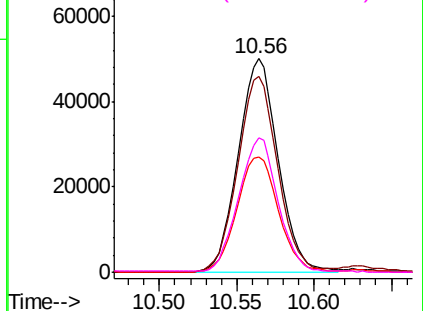
#55
 1,1,2-Trichloroethane
 Concen: 21.915 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	89794
Ion	Ratio	Lower	Upper
97	100		
83	91.9	66.6	100.0
85	54.1	44.4	66.6
99	62.5	50.8	76.2

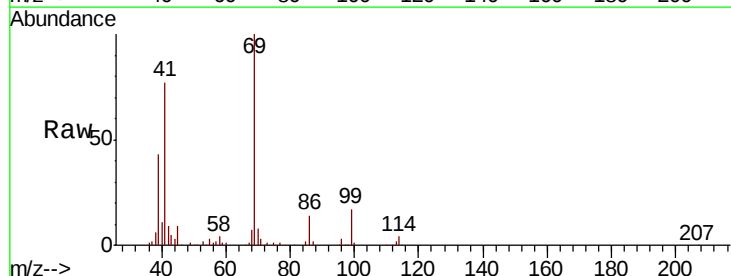


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

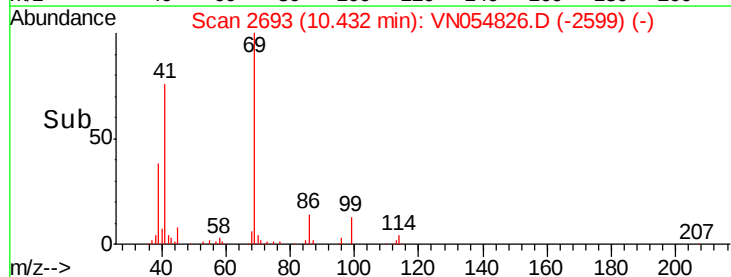
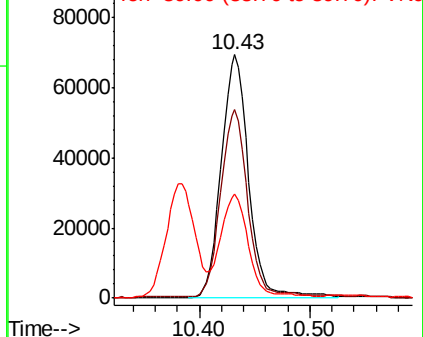


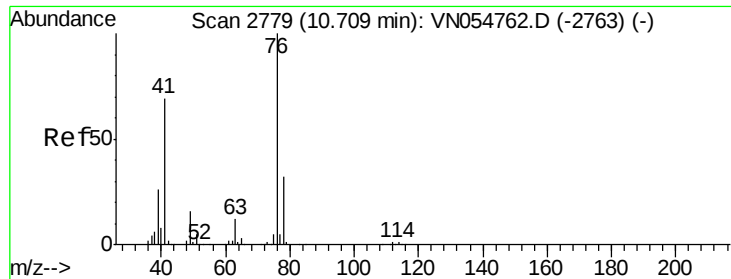
#56
 Ethyl methacrylate
 Concen: 22.346 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion:	69	Resp:	120105
Ion	Ratio	Lower	Upper
69	100		
41	74.3	49.4	74.2#
39	42.3	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

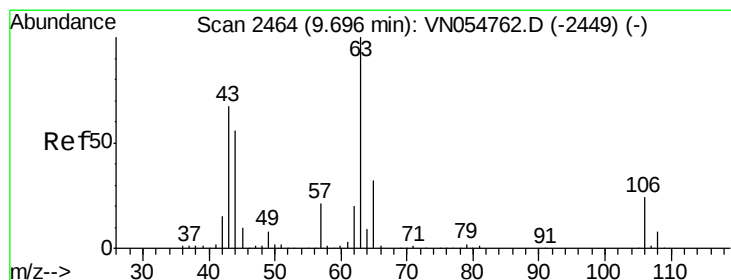
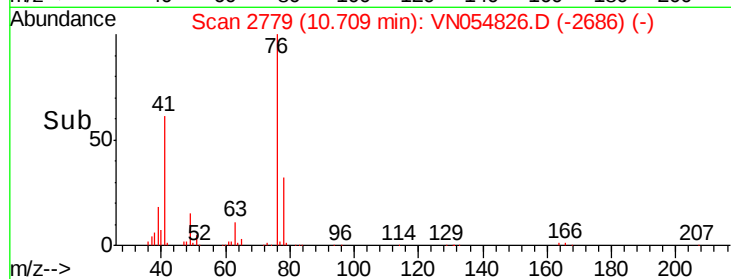
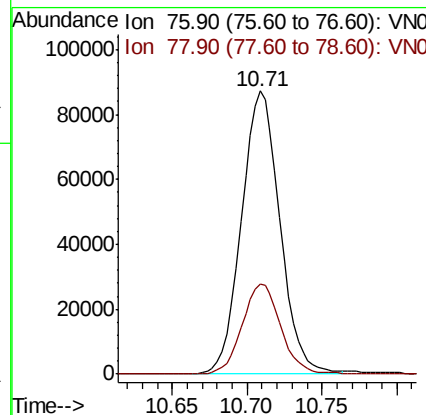
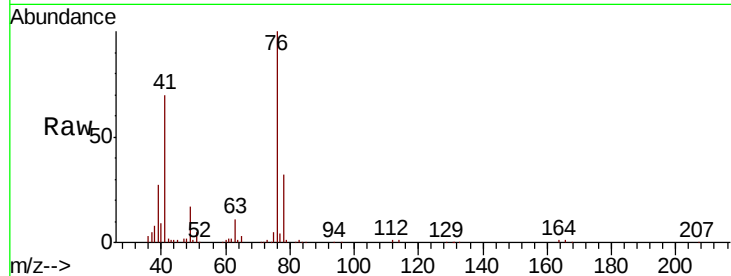




#57
 1,3-Dichloropropane
 Concen: 22.127 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

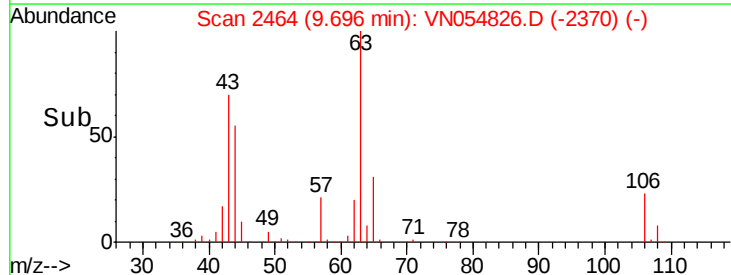
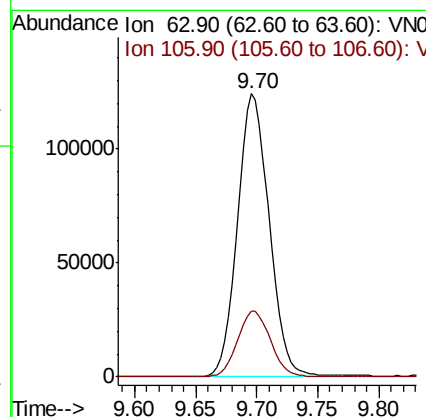
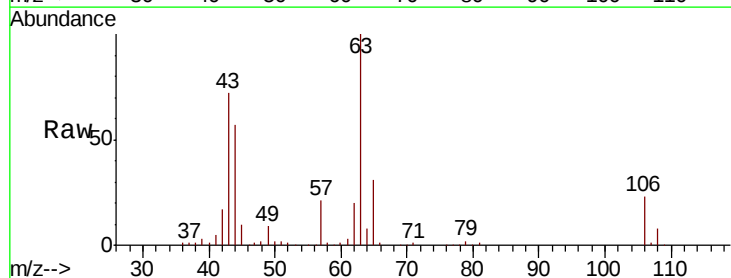
Instrument :
 MSVOA_N
 ClientSampleId :

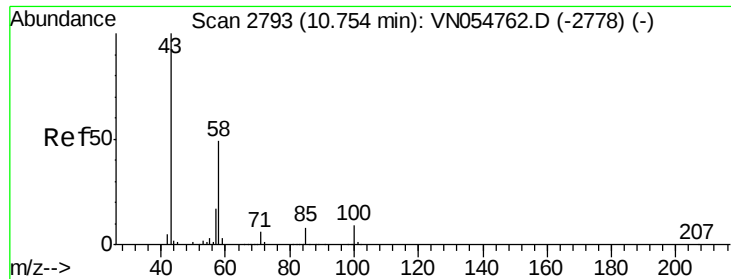
Tot Ion: 76 Resp: 155867
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.340 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 63 Resp: 224586
 Ion Ratio Lower Upper
 63 100
 106 24.2 24.4 36.6#

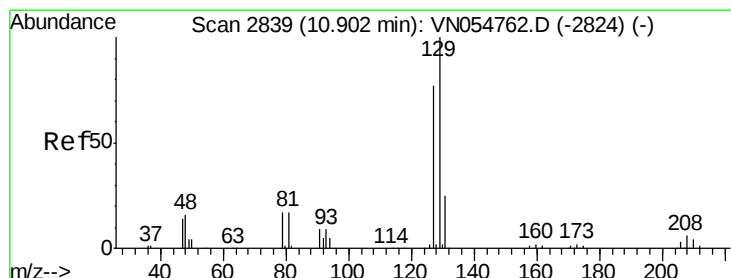
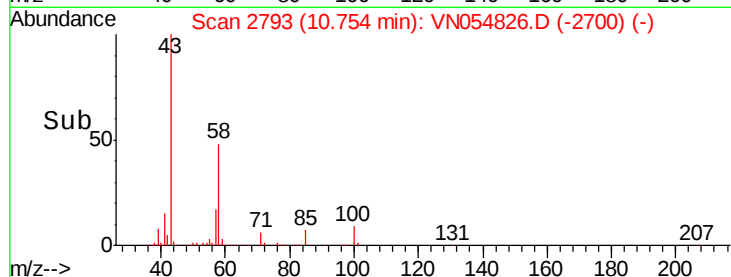
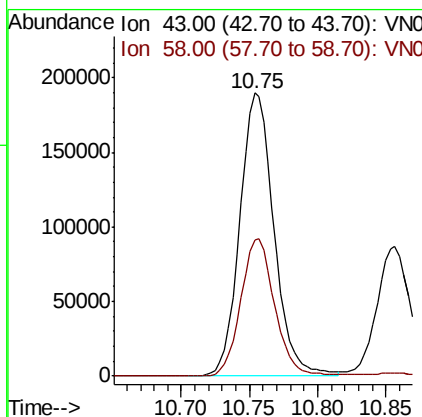
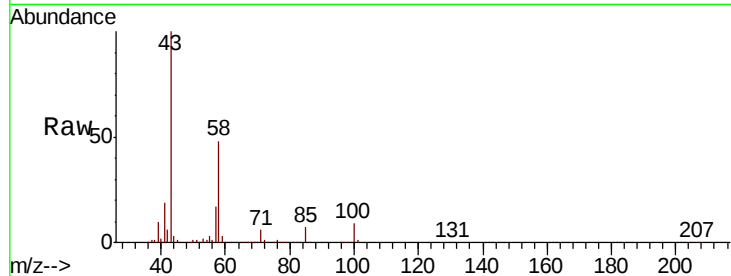




#59
2-Hexanone
Concen: 117.909 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

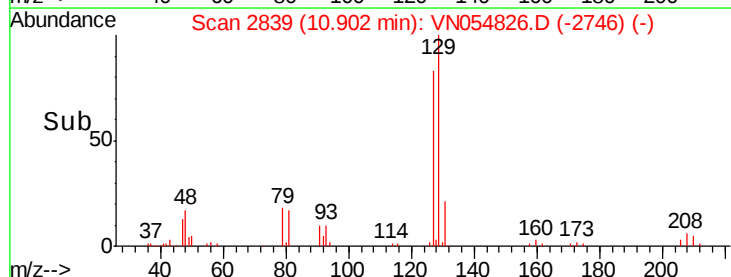
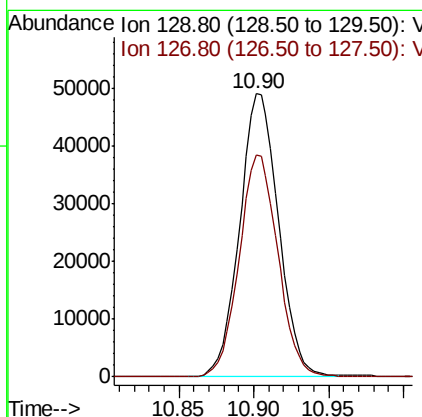
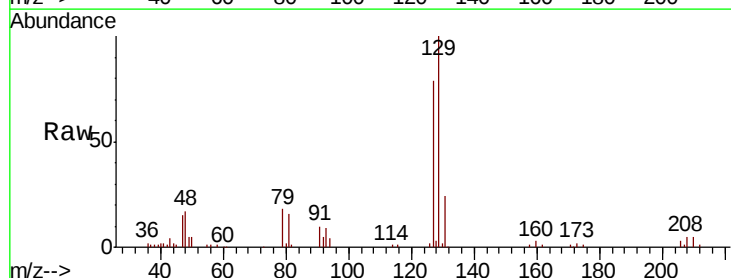
Instrument :
MSVOA_N
ClientSampled :

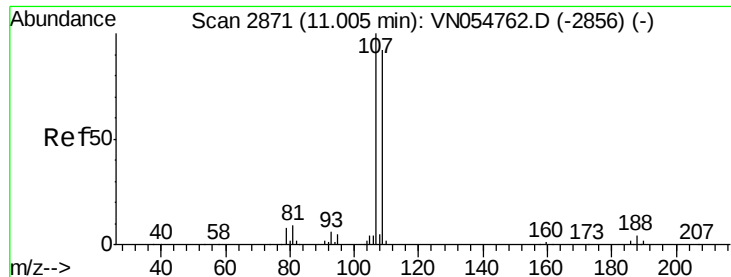
Tot Ion: 43 Resp: 327251
Ion Ratio Lower Upper
43 100
58 49.0 28.0 83.9



#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 129 Resp: 88841
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.092 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

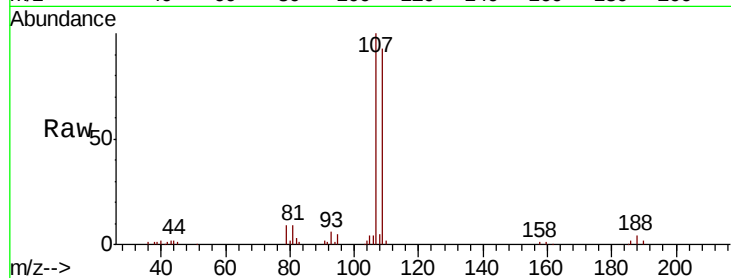
ClientSampled :

Tot Ion:107 Resp: 86503

Ion Ratio Lower Upper

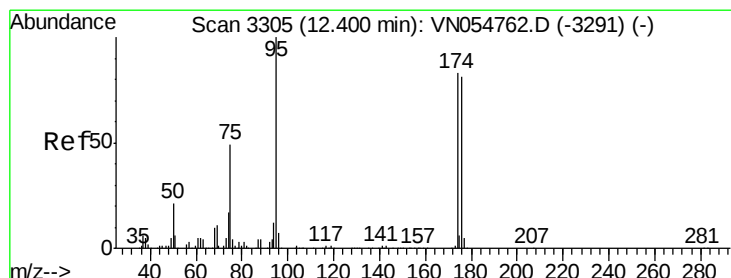
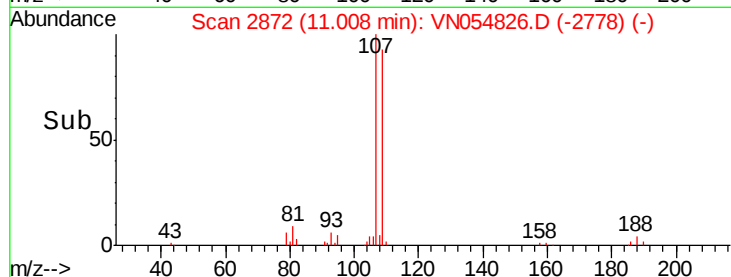
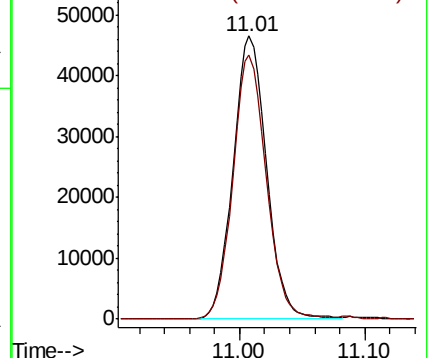
107 100

109 92.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.359 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

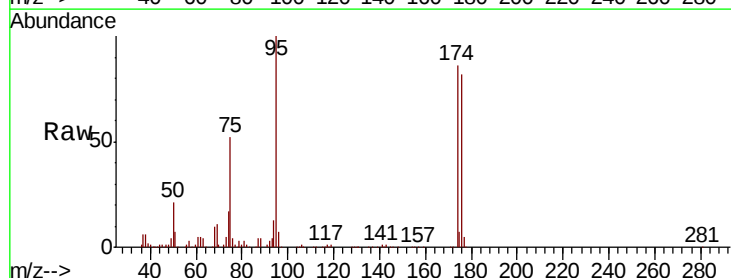
Tgt Ion: 95 Resp: 271145

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

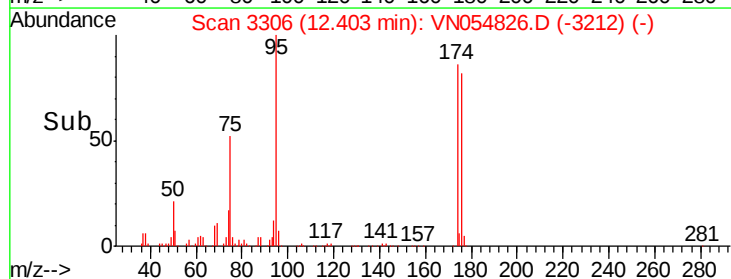
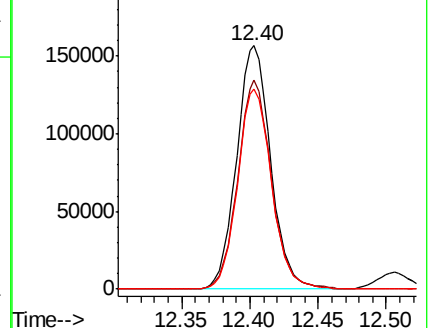
176 82.0 0.0 187.4

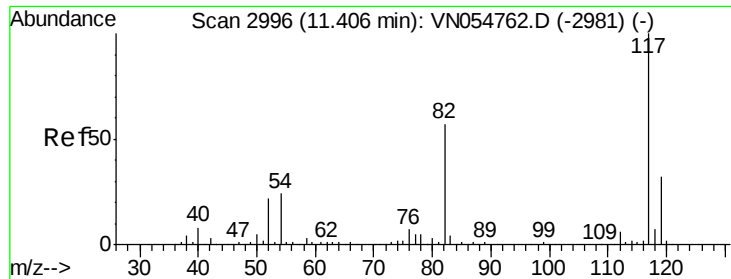


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

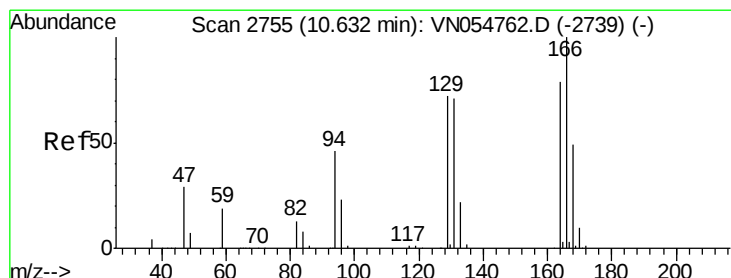
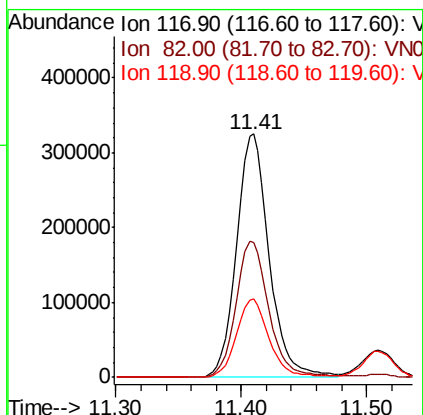
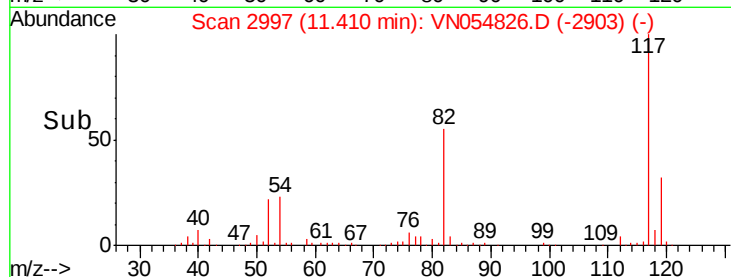
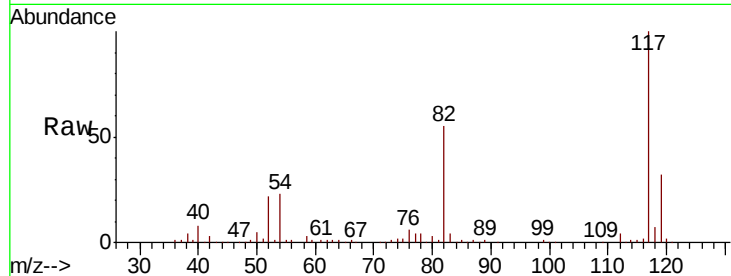




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

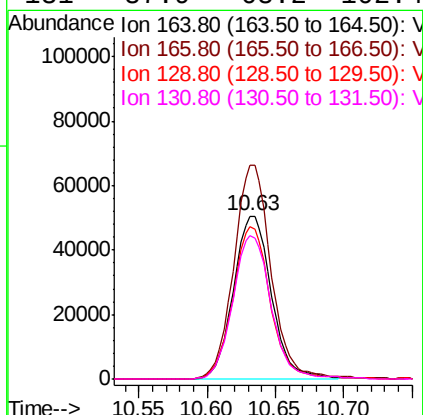
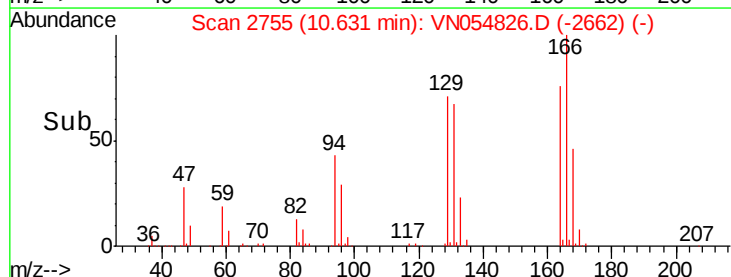
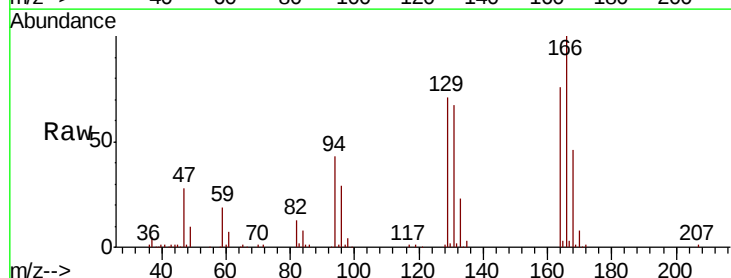
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 587218
Ion Ratio Lower Upper
117 100
82 55.5 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 21.723 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:164 Resp: 97888
Ion Ratio Lower Upper
164 100
166 130.9 103.9 155.9
129 93.3 71.1 106.7
131 87.9 68.2 102.4





#65

Chlorobenzene

Concen: 20.997 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

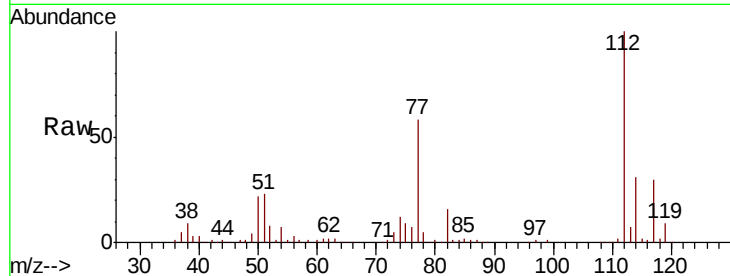
ClientSampled :

Tot Ion:112 Resp: 241405

Ion Ratio Lower Upper

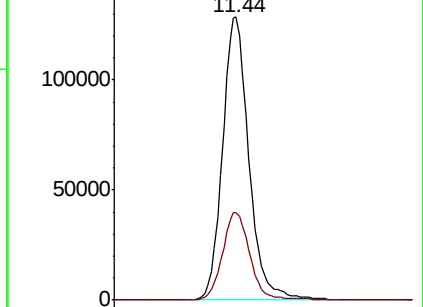
112 100

114 31.1 25.9 38.9

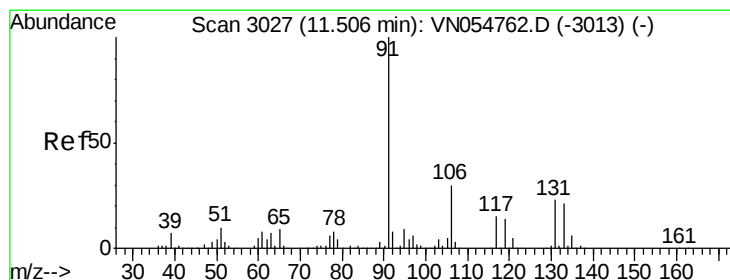
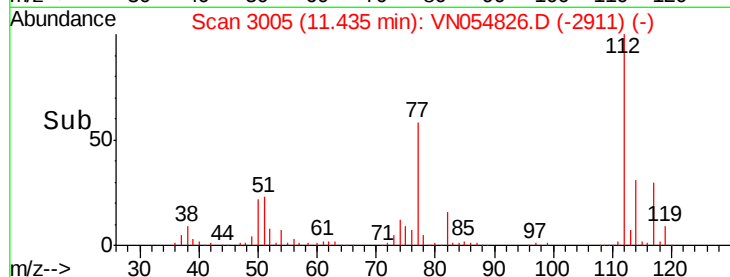


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.374 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

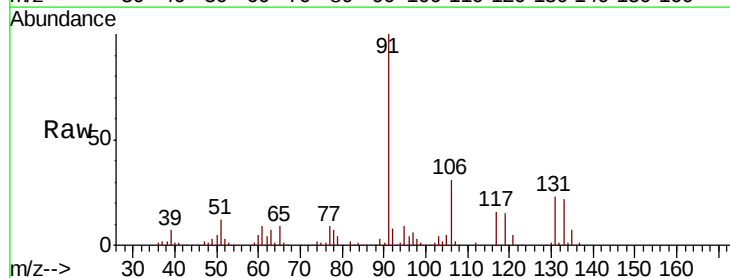
Tgt Ion:131 Resp: 91979

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

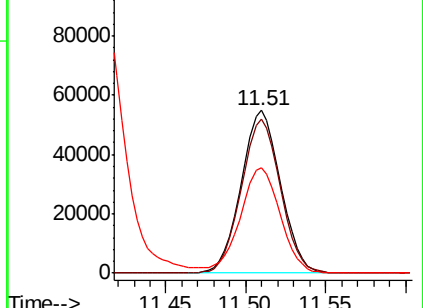
119 66.0 32.4 97.0



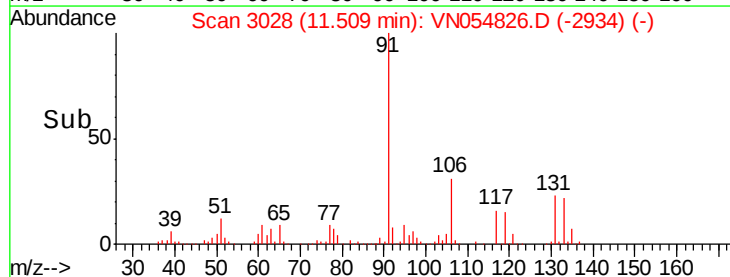
Abundance Ion 130.80 (130.50 to 131.50): V

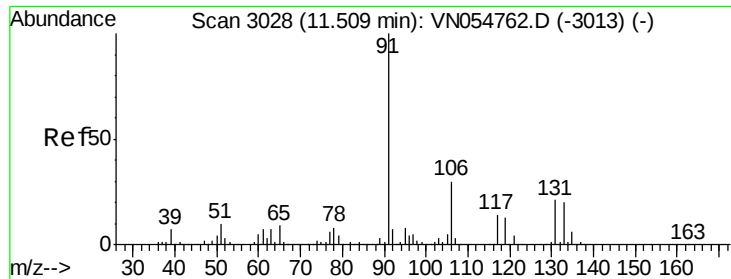
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

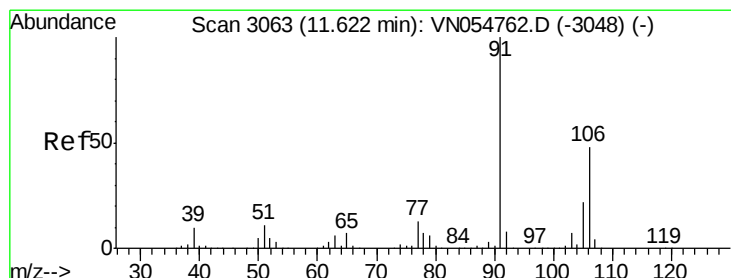
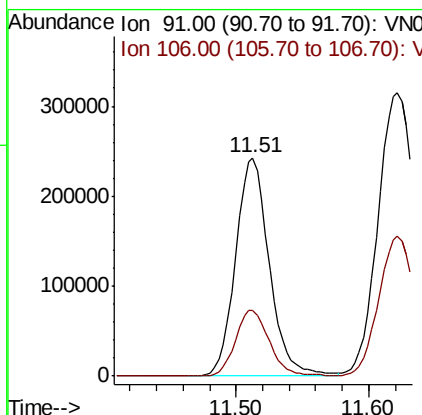
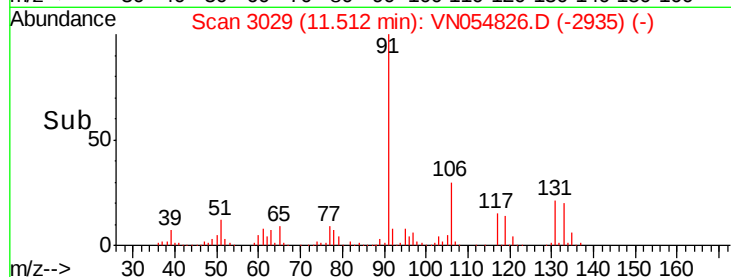
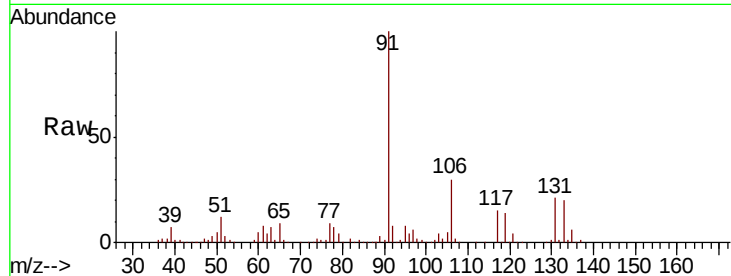




#67
Ethyl Benzene
Concen: 20.664 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

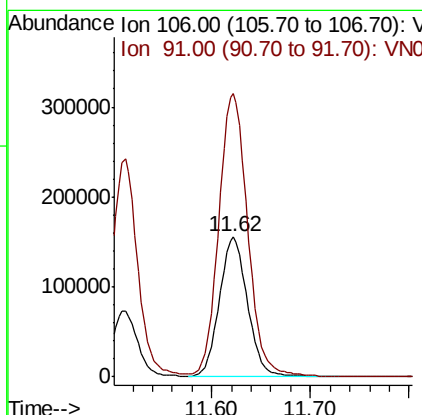
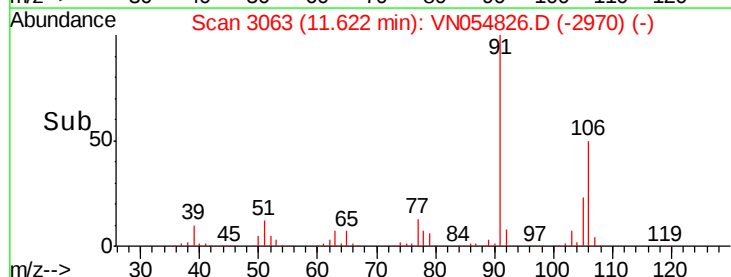
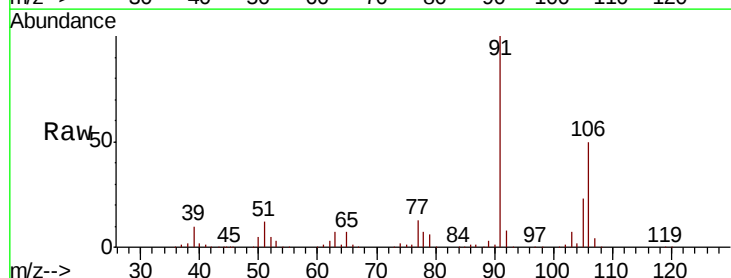
Instrument :
MSVOA_N
ClientSampleId :

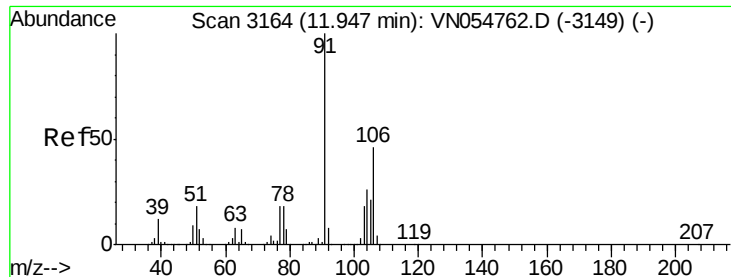
Tot Ion: 91 Resp: 428711
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 40.788 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 106 Resp: 313159
Ion Ratio Lower Upper
106 100
91 207.1 159.4 239.2

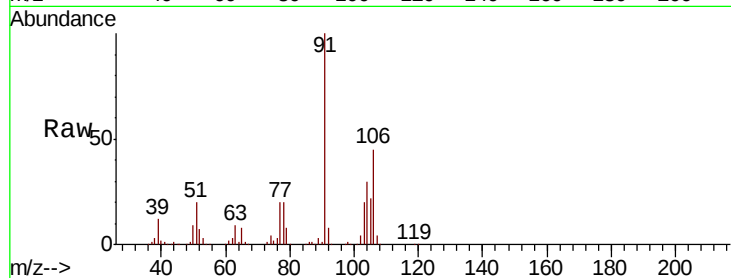




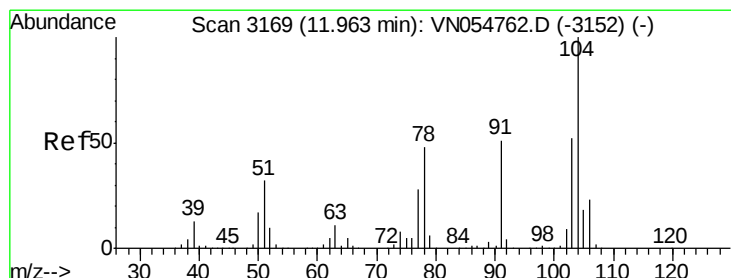
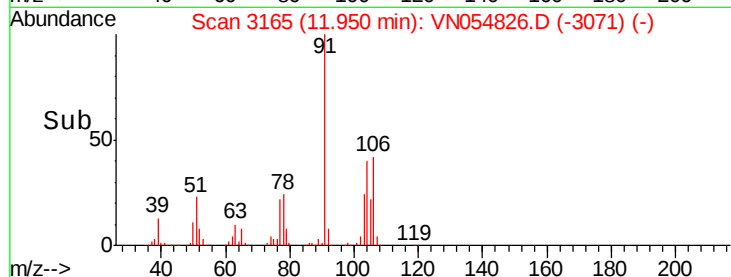
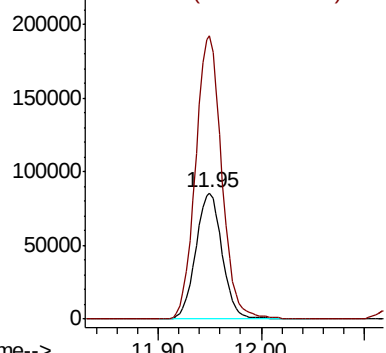
#69
o-Xylene
Concen: 20.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 152832
Ion Ratio Lower Upper
106 100
91 222.9 105.7 317.1

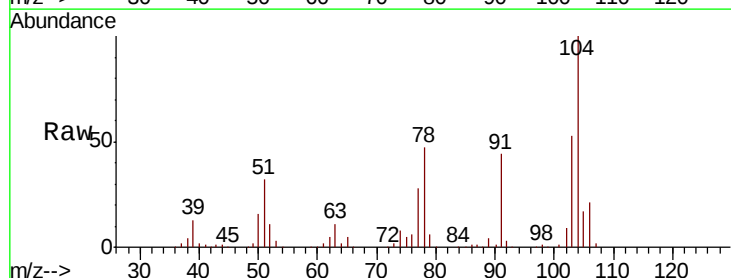


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

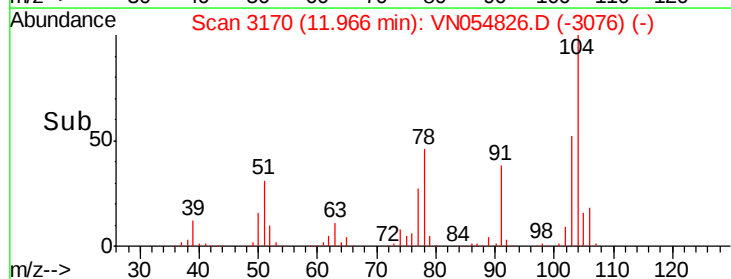
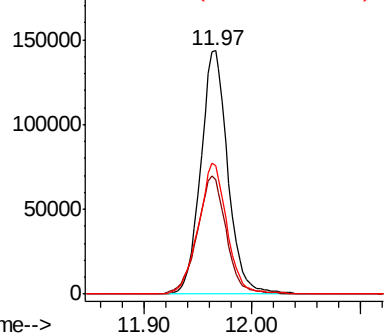


#70
Styrene
Concen: 20.914 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:104 Resp: 251762
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.9 44.4 66.6



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

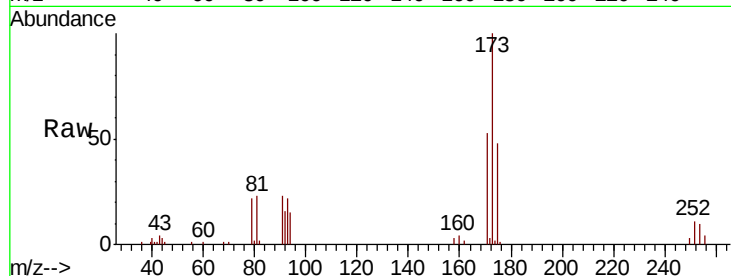




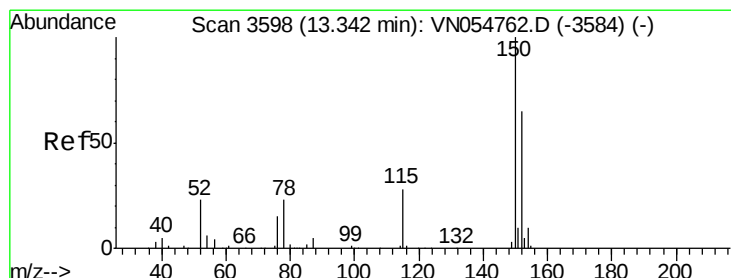
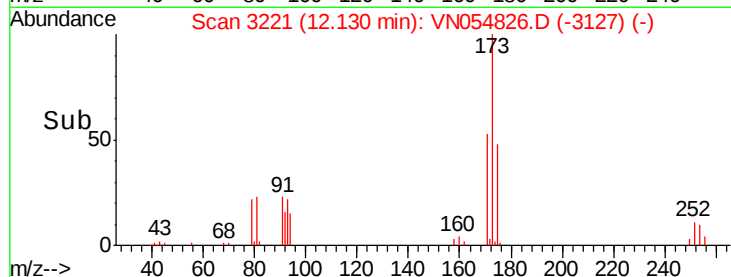
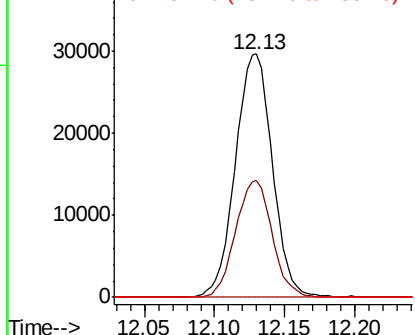
#71
Bromoform
Concen: 21.631 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 54533
Ion Ratio Lower Upper
173 100
175 47.2 24.4 73.2
254 0.0 0.1 0.1#

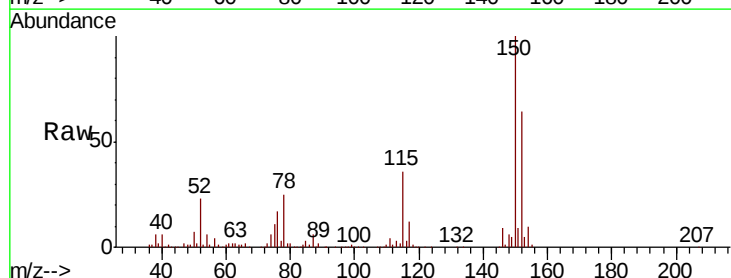


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

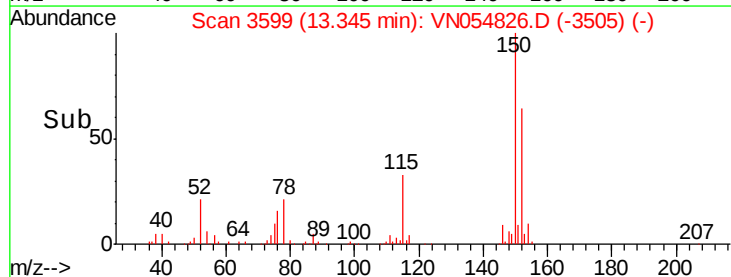
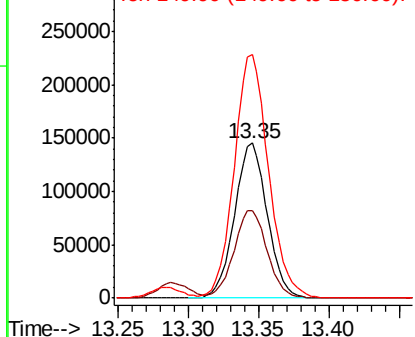


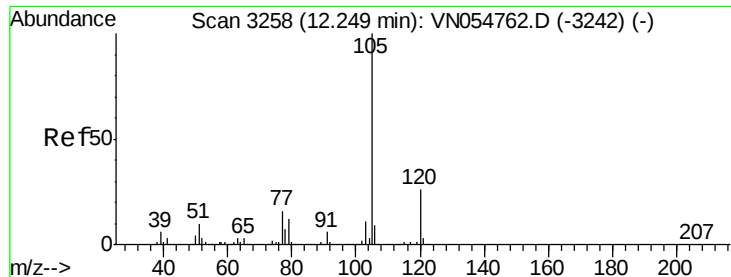
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion:152 Resp: 236113
Ion Ratio Lower Upper
152 100
115 57.6 27.2 81.6
150 164.8 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: 21.029 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

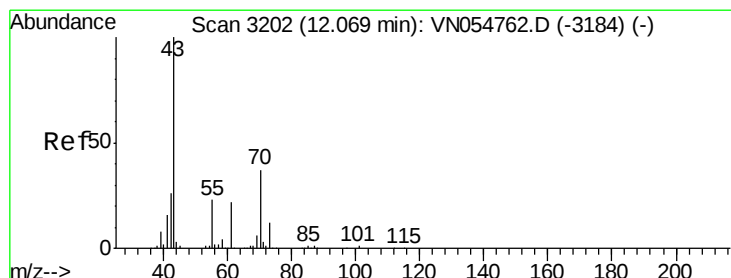
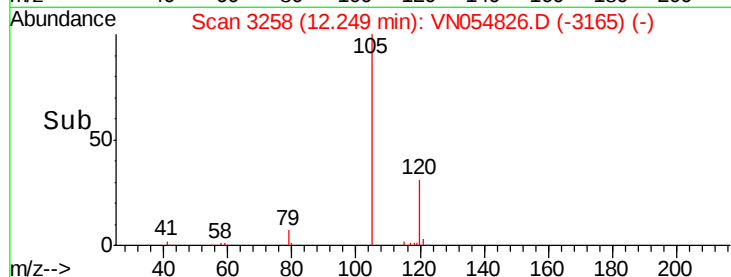
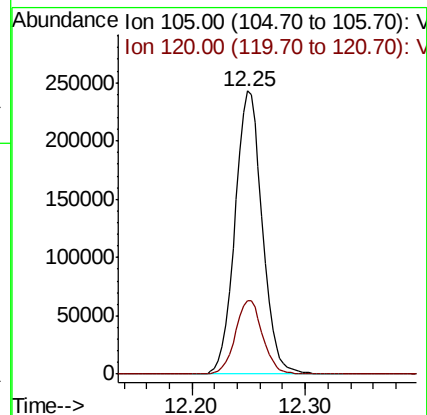
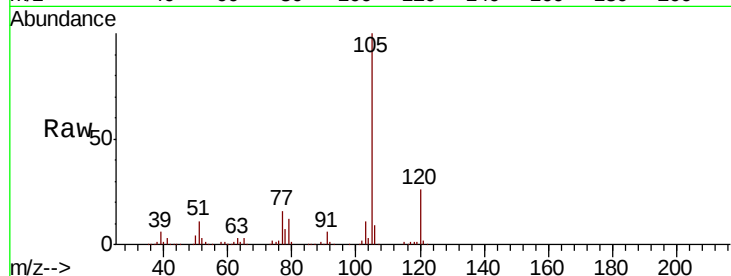
ClientSampled :

Tot Ion: 105 Resp: 405837

Ion Ratio Lower Upper

105 100

120 26.3 13.8 41.3



#74

N-ethyl acetate

Concen: 22.656 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Tgt Ion: 43 Resp: 136218

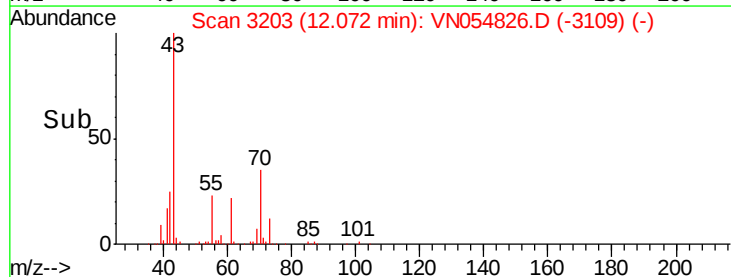
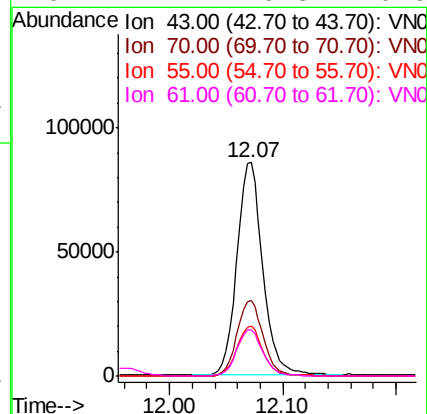
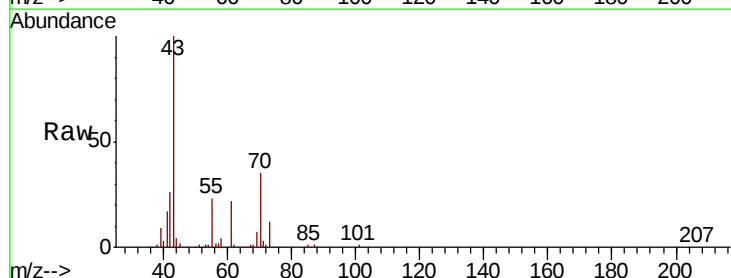
Ion Ratio Lower Upper

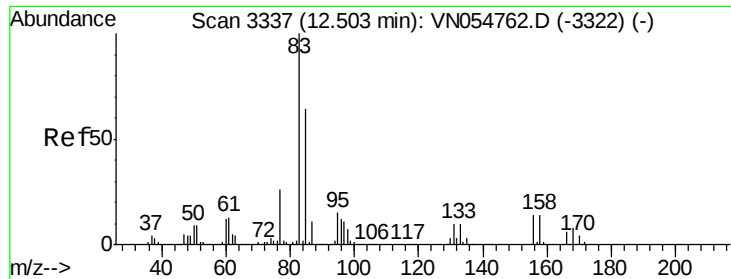
43 100

70 36.1 35.4 53.0

55 23.8 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 25.430 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

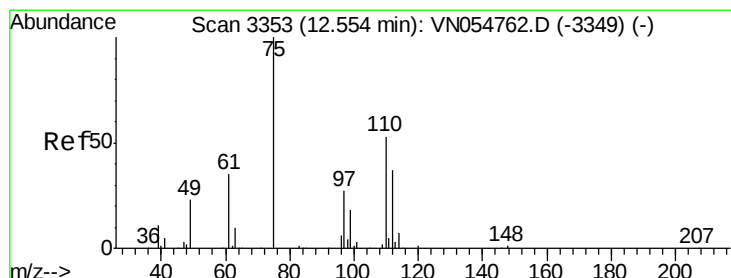
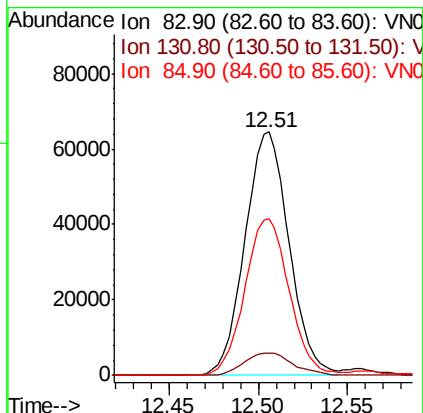
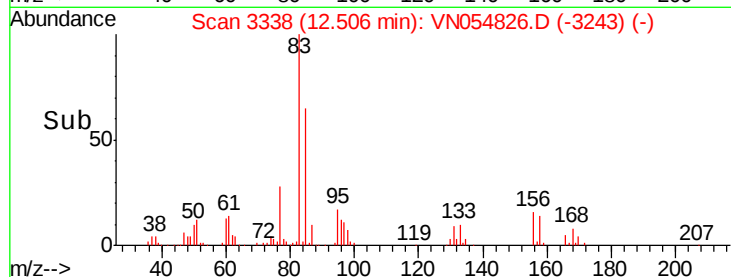
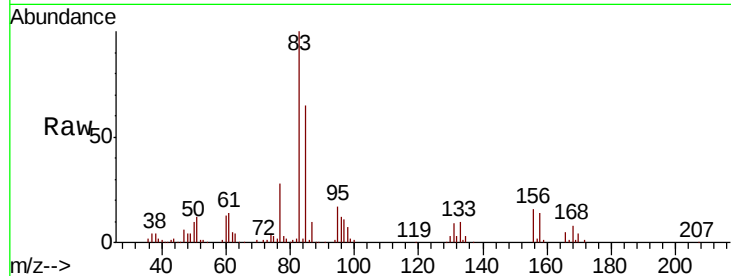
Tot Ion: 83 Resp: 111769

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.8	17.4
85	64.7	32.2	96.6

83 100

131 10.1 5.8 17.4

85 64.7 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 30.272 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054826.D

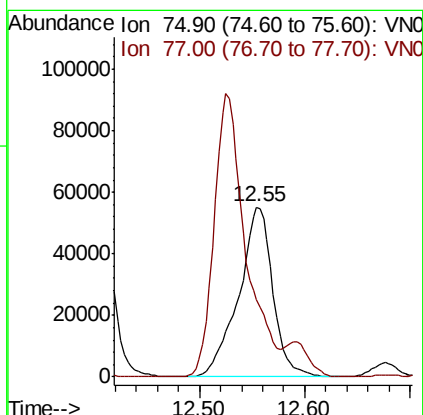
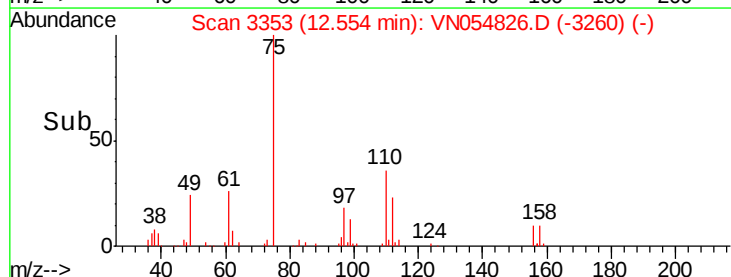
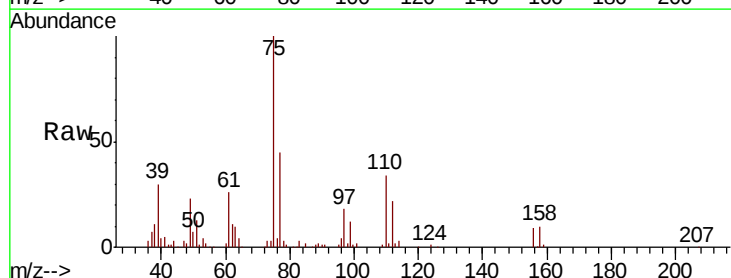
Acq: 31 Mar 2019 2:37

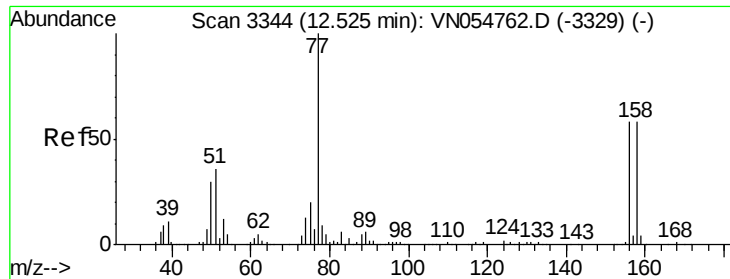
Tgt Ion: 75 Resp: 124169

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

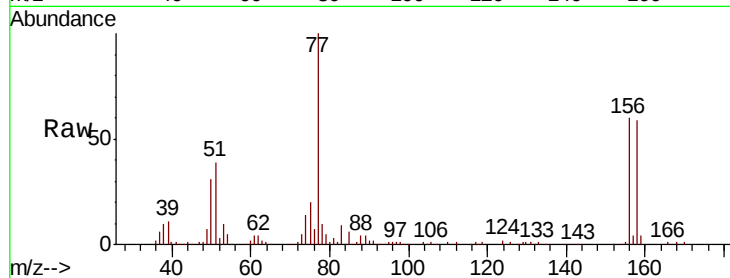




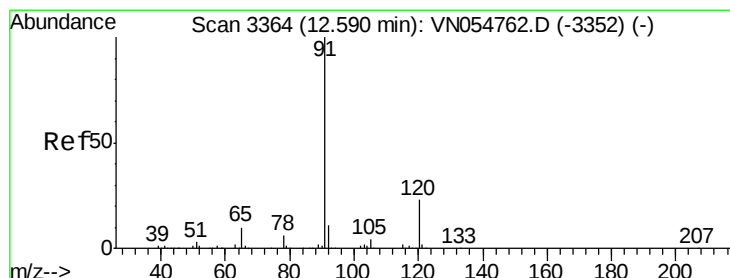
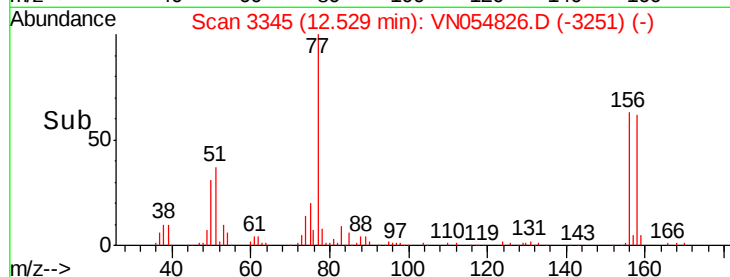
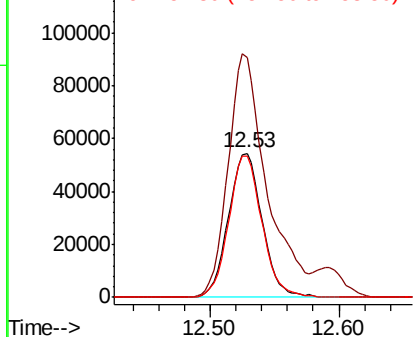
#77
Bromobenzene
Concen: 21.166 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:156 Resp: 98586
Ion Ratio Lower Upper
156 100
77 194.3 81.5 244.4
158 97.1 49.0 147.2

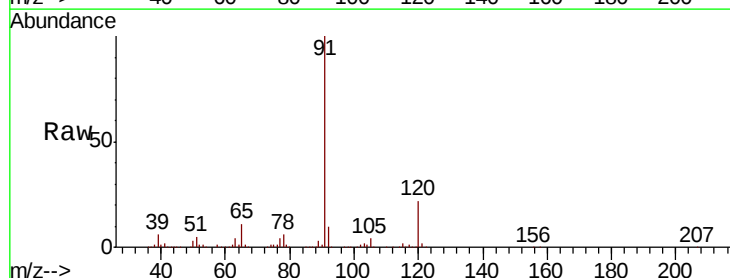


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

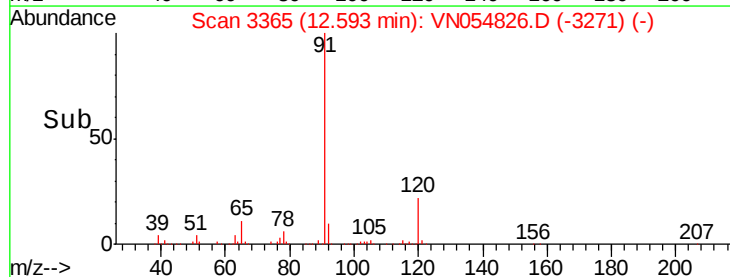
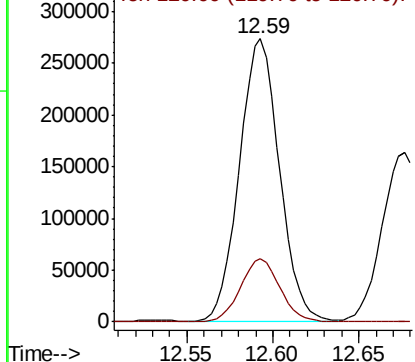


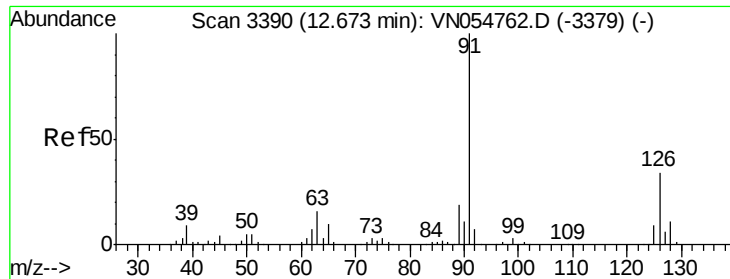
#78
n-propylbenzene
Concen: 20.716 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 91 Resp: 439420
Ion Ratio Lower Upper
91 100
120 22.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

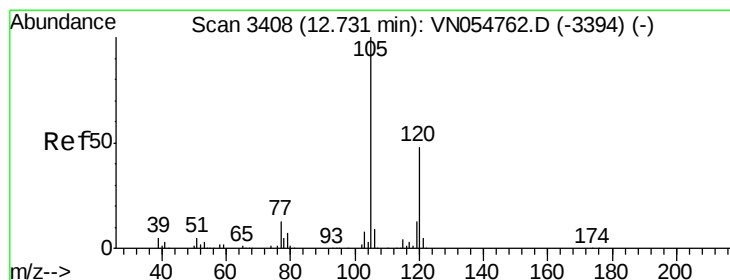
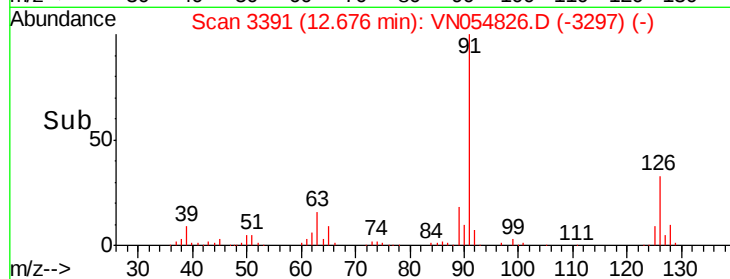
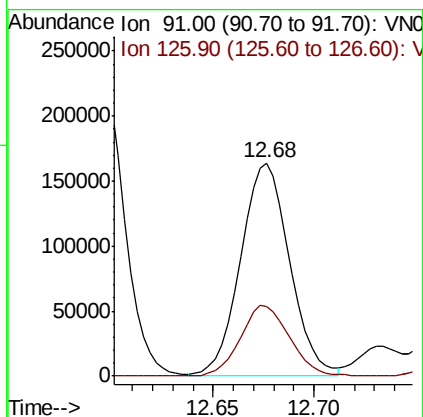
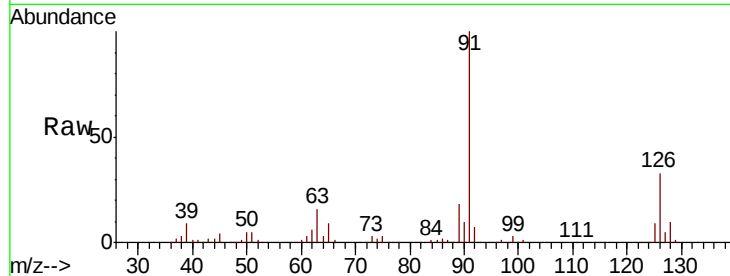




#79
 2-Chlorotoluene
 Concen: 21.160 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

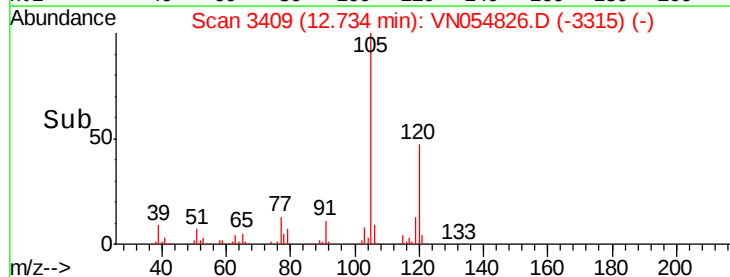
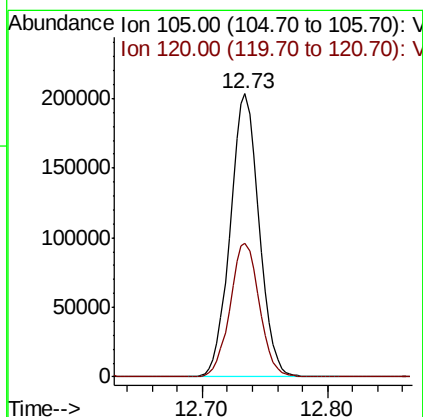
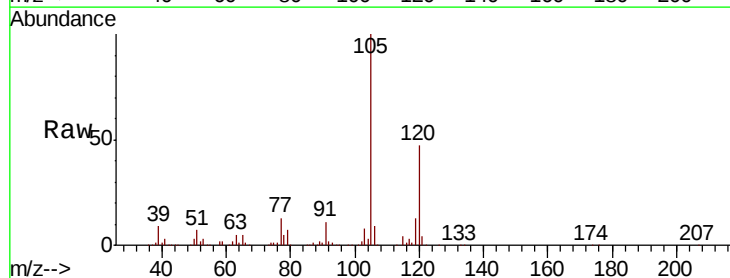
Instrument :
 MSVOA_N
 ClientSampled :

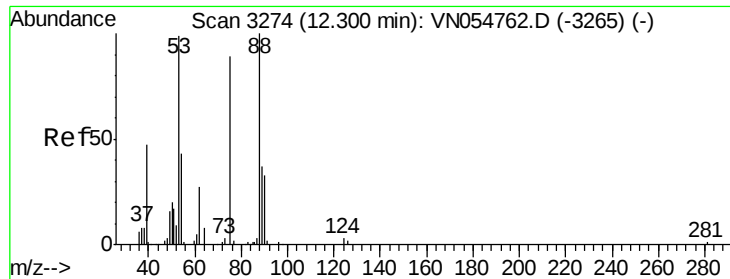
Tot Ion: 91 Resp: 277681
 Ion Ratio Lower Upper
 91 100
 126 33.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.430 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion: 105 Resp: 323519
 Ion Ratio Lower Upper
 105 100
 120 48.2 25.0 75.0

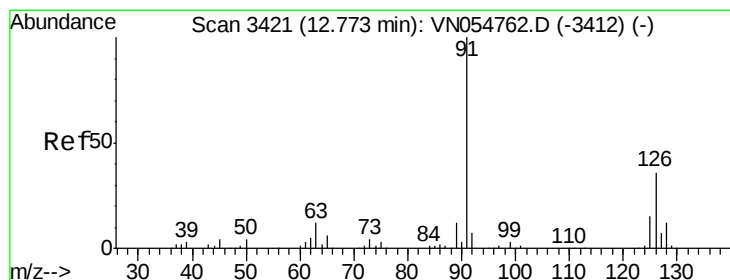
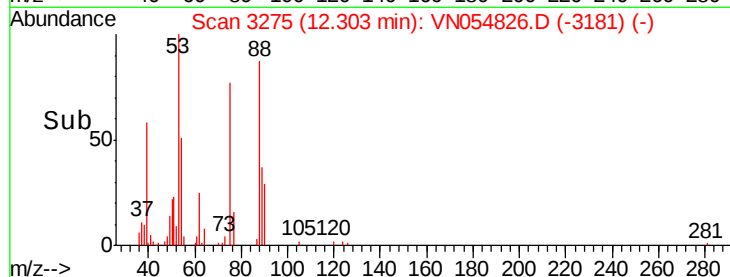
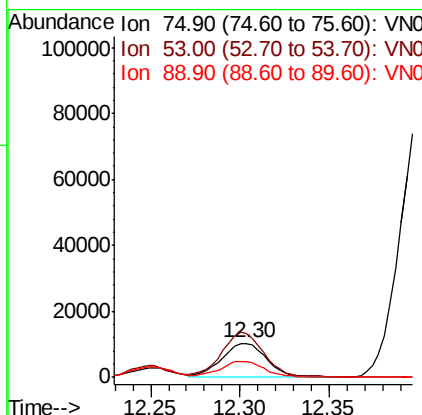
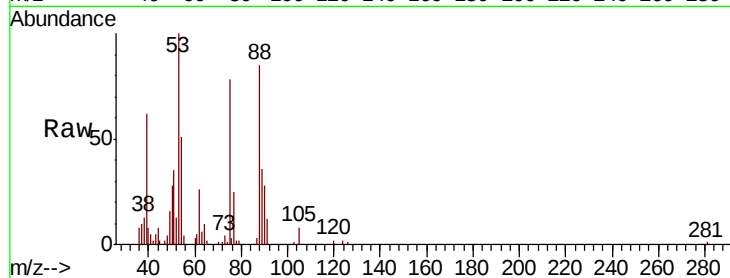




#81
trans-1,4-Dichloro-2-butene
Concen: 17.231 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

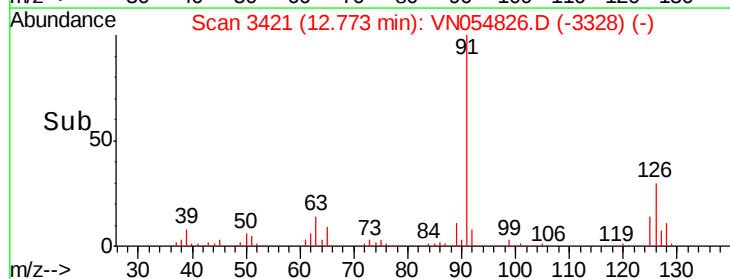
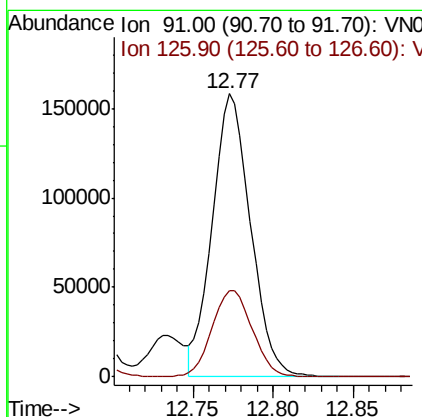
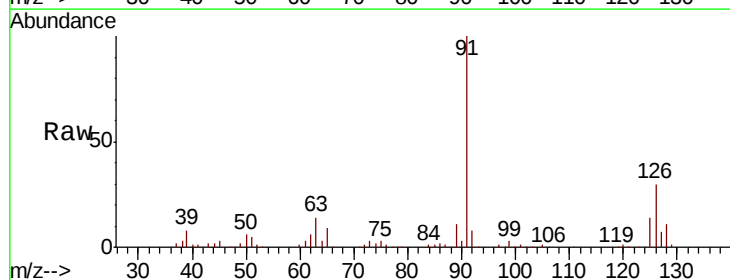
Instrument :
MSVOA_N
ClientSampleId :

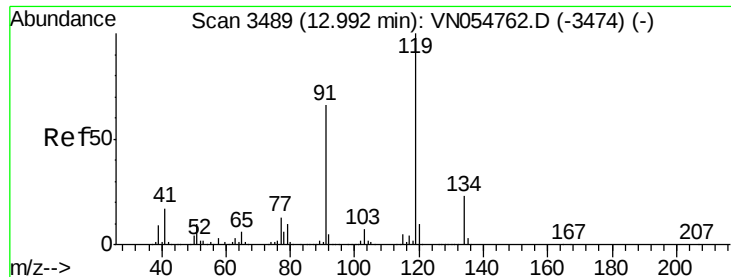
Tot Ion: 75 Resp: 18171
Ion Ratio Lower Upper
75 100
53 125.0 76.2 114.2#
89 46.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.355 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion: 91 Resp: 259451
Ion Ratio Lower Upper
91 100
126 32.5 18.1 54.1

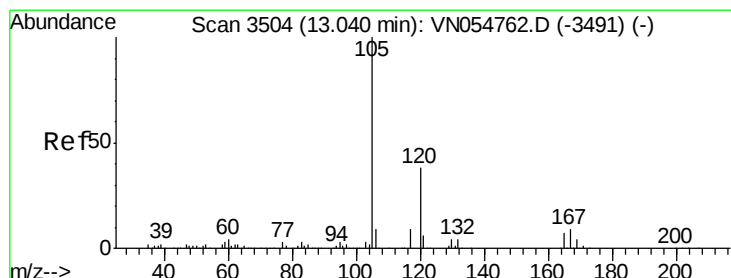
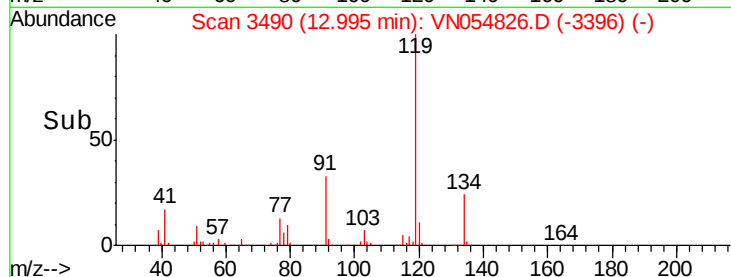
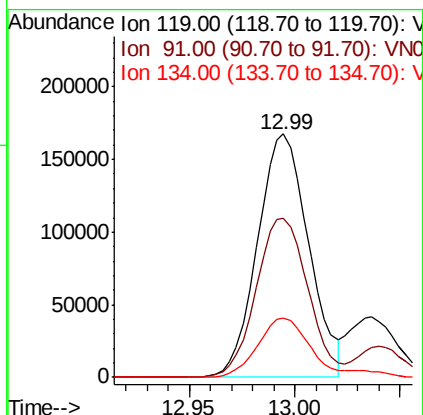
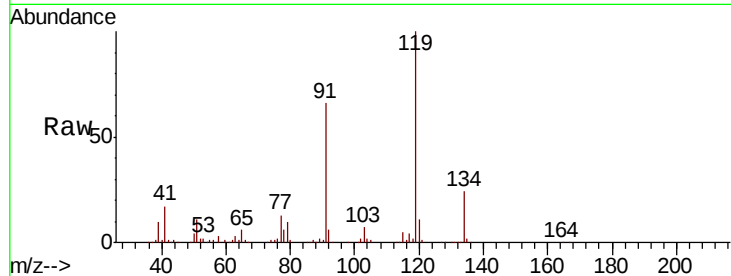




#83
tert-Butylbenzene
Concen: 21.906 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

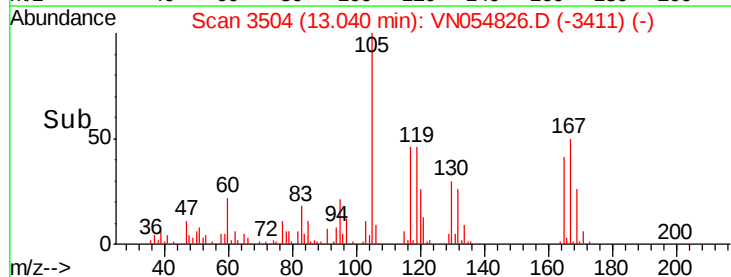
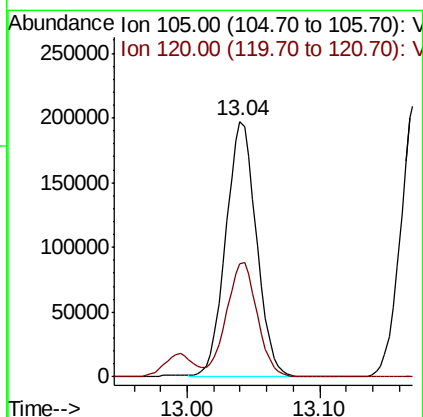
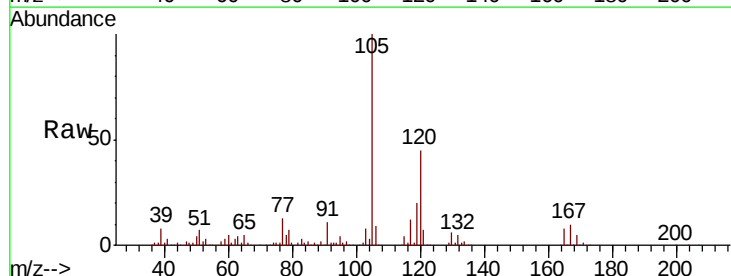
Instrument :
MSVOA_N
ClientSampleId :

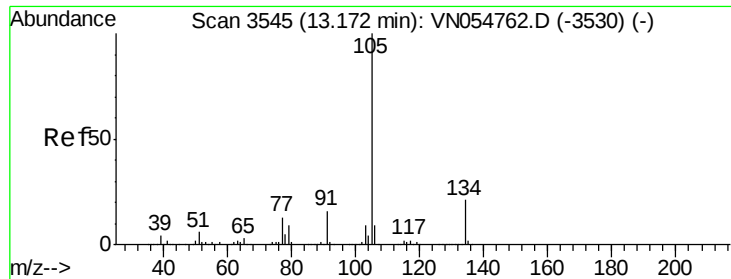
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	30.9	92.8
134	26.5	13.2	39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.984 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054826.D
Acq: 31 Mar 2019 2:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.279 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

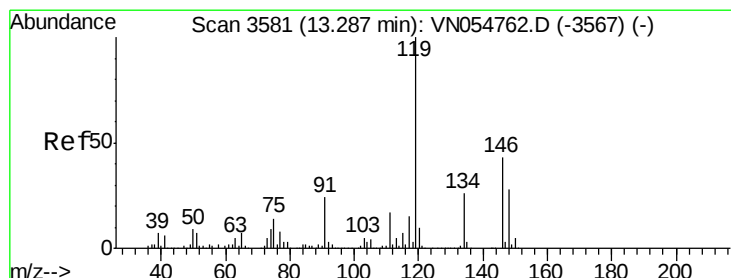
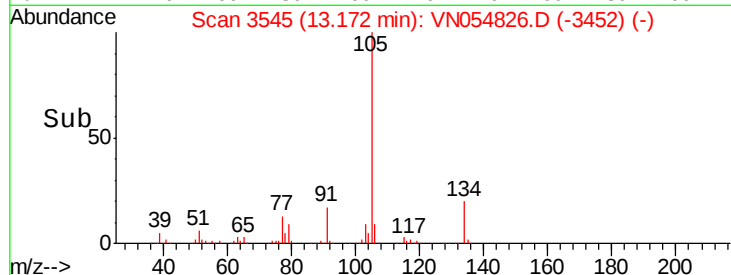
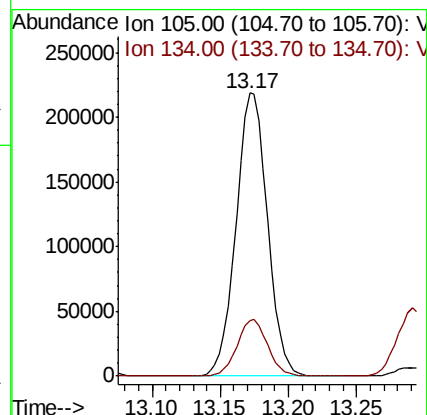
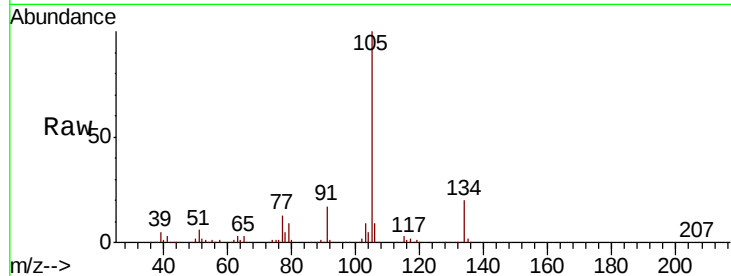
ClientSampleId :

Tot Ion:105 Resp: 348848

Ion Ratio Lower Upper

105 100

134 19.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.547 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

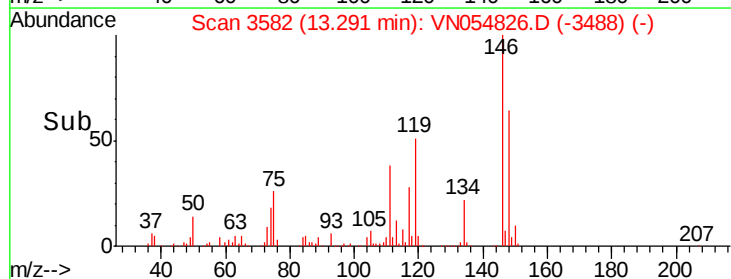
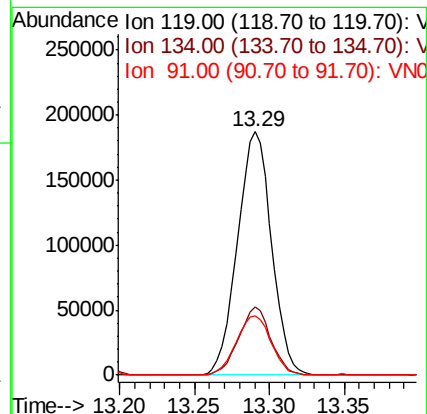
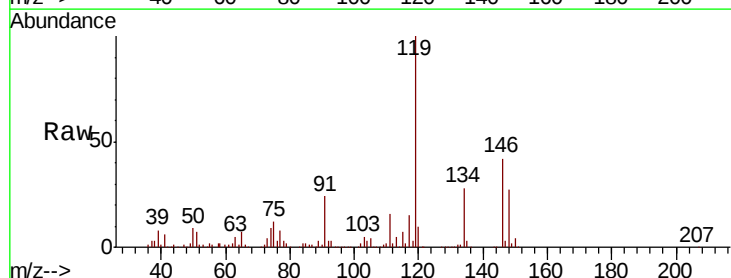
Tgt Ion:119 Resp: 296566

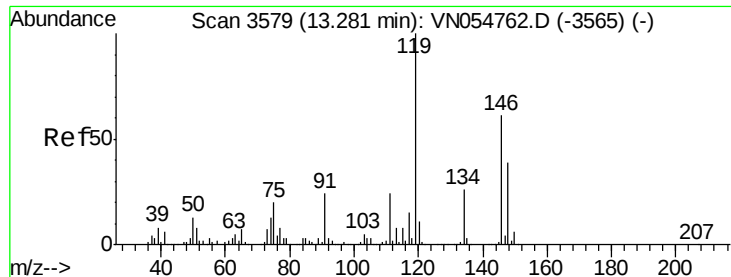
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 25.0 11.1 33.3

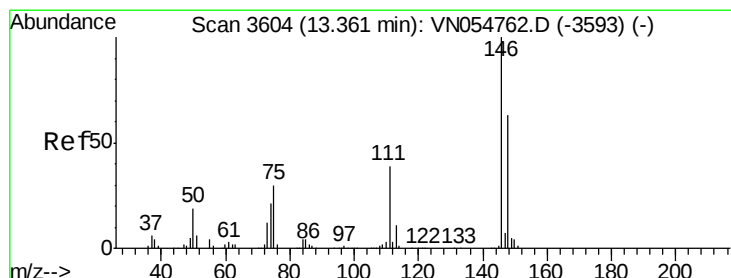
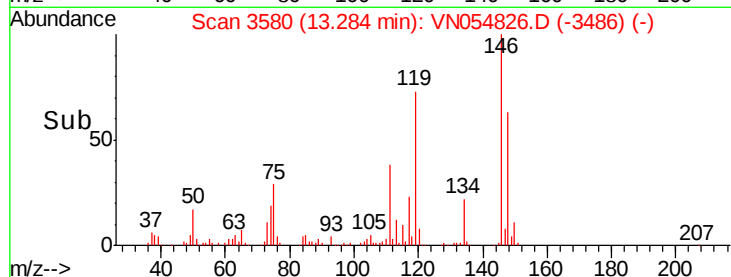
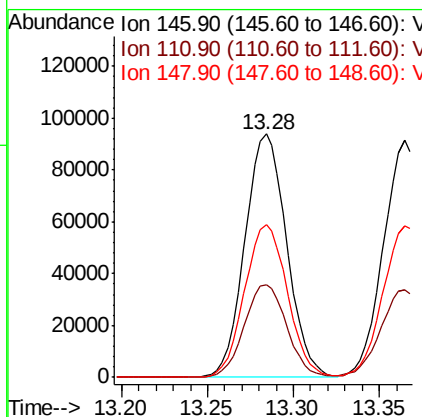
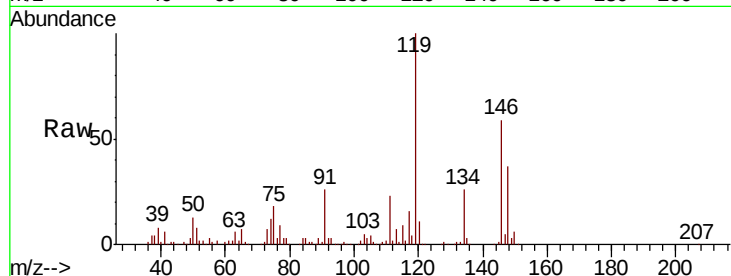




#87
 1,3-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

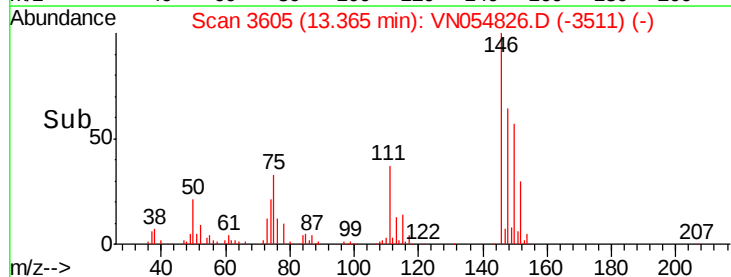
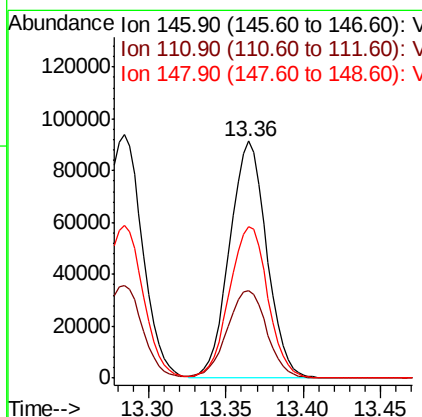
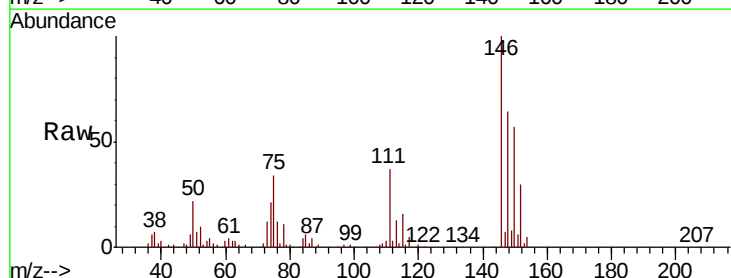
Instrument :
 MSVOA_N
 ClientSampleId :

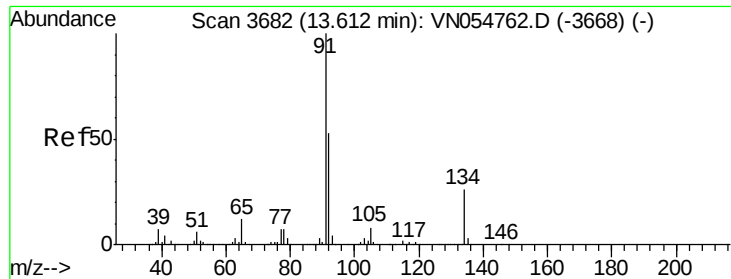
Tot Ion:146 Resp: 158741
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion:146 Resp: 151734
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.1 54.1
 148 66.6 32.0 96.0





#89

n-Butylbenzene

Concen: 18.028 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampled :

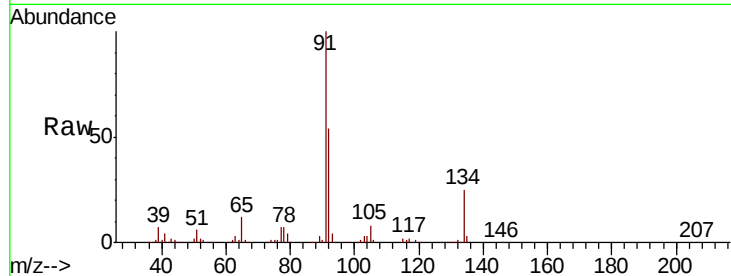
Tot Ion: 91 Resp: 223164

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

134 24.9 14.3 42.9

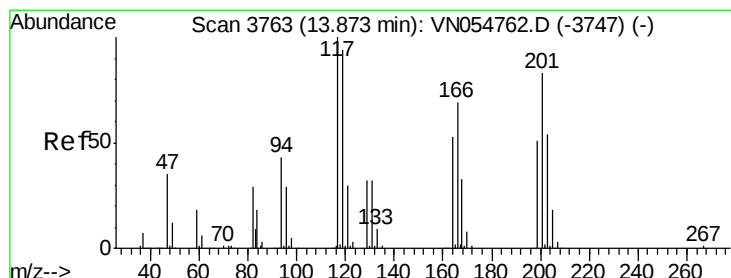
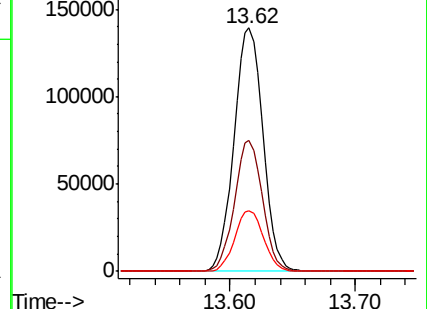
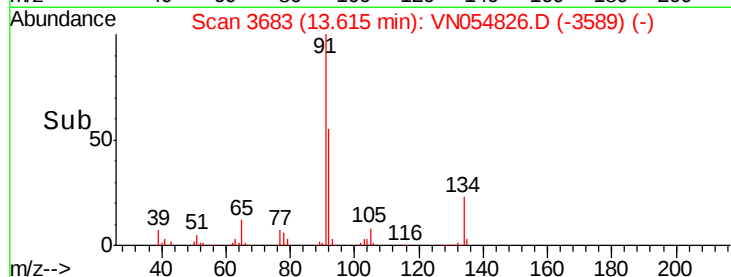


Abundance Ion 91.00 (90.70 to 91.70): VN054826.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054826.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054826.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 19.288 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054826.D

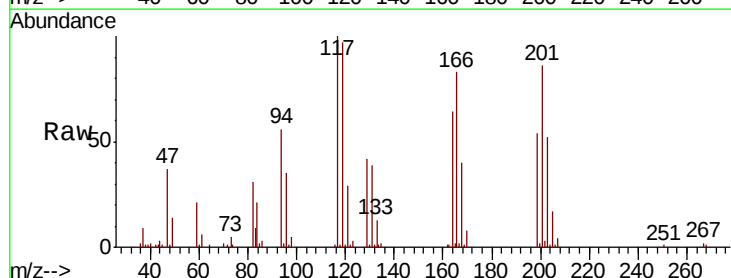
Acq: 31 Mar 2019 2:37

Tgt Ion: 117 Resp: 49686

Ion Ratio Lower Upper

117 100

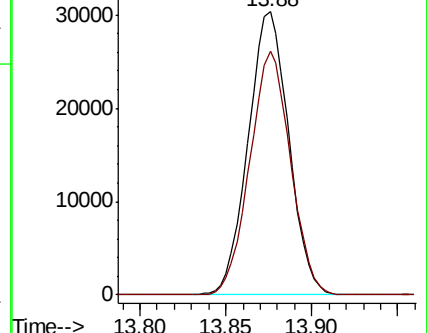
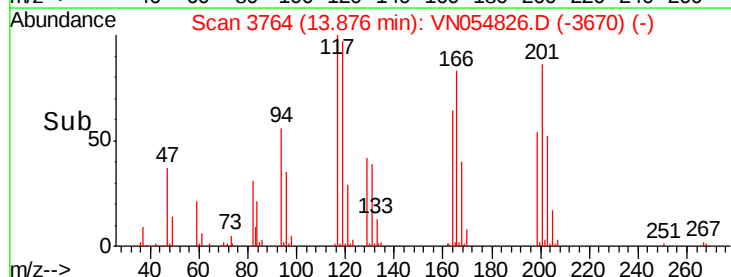
201 86.1 48.1 144.4

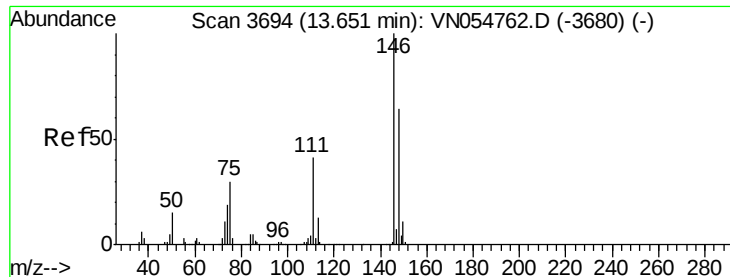


Abundance Ion 116.80 (116.50 to 117.50): VN054826.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054826.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

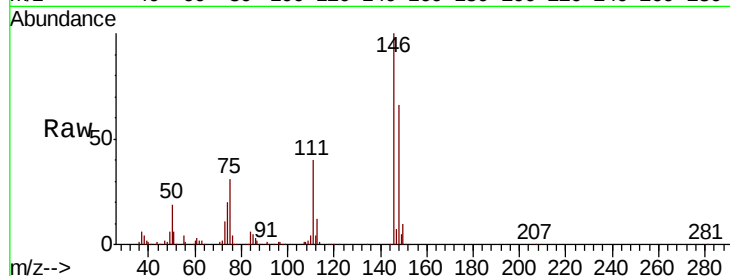
Tot Ion:146 Resp: 161747

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

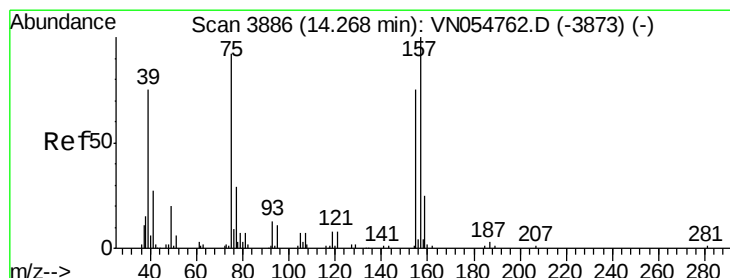
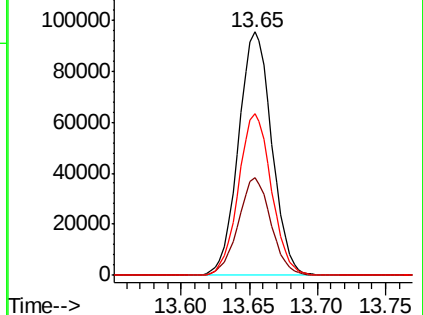
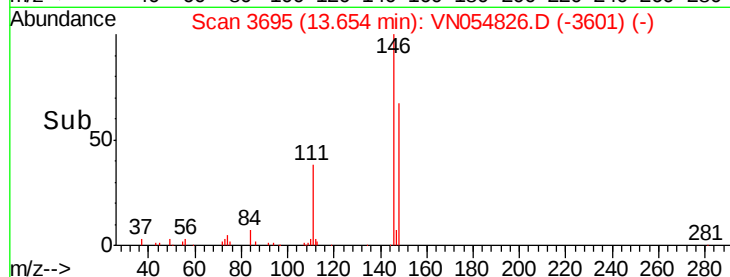
148 65.4 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.805 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

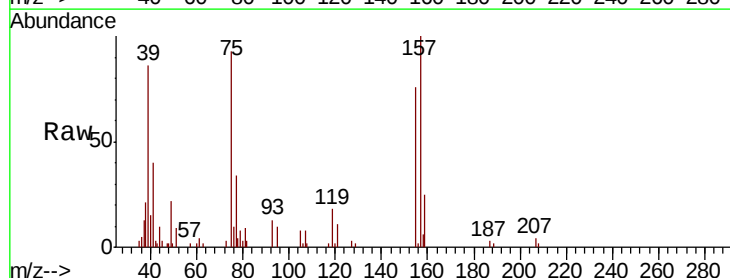
Tgt Ion: 75 Resp: 15705

Ion Ratio Lower Upper

75 100

155 83.8 50.1 150.3

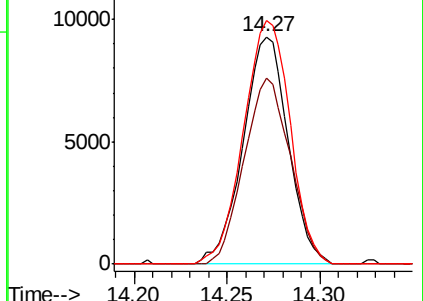
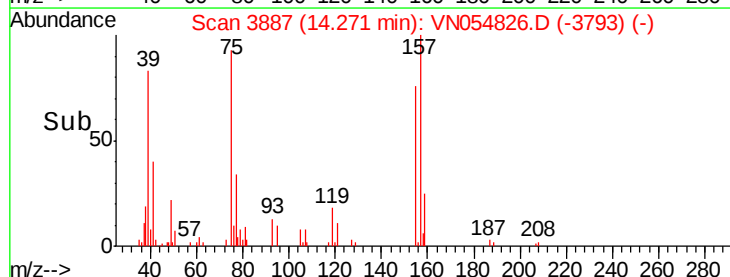
157 110.5 63.1 189.3

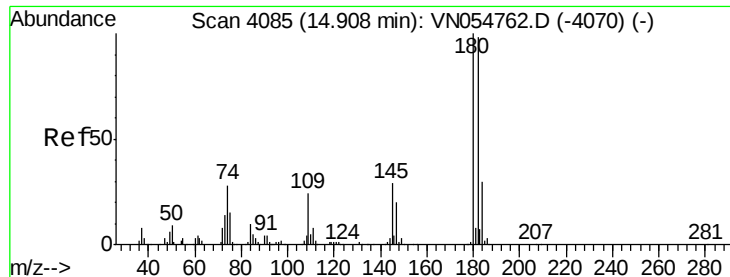


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

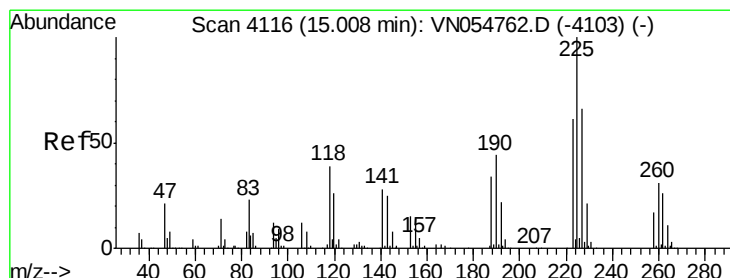
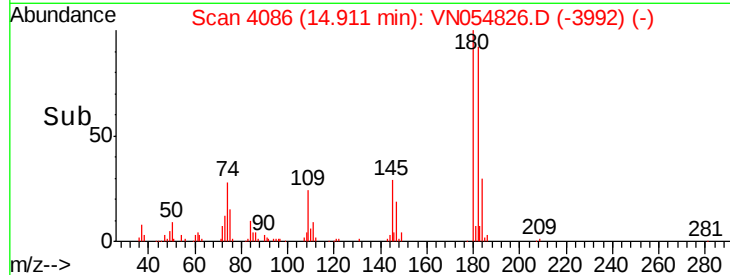
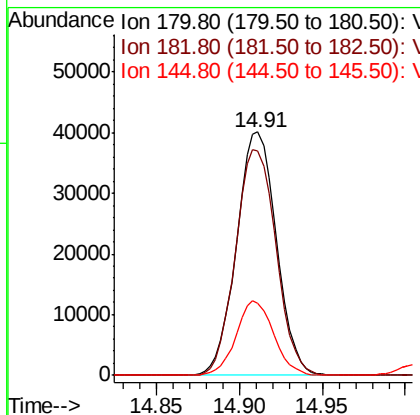
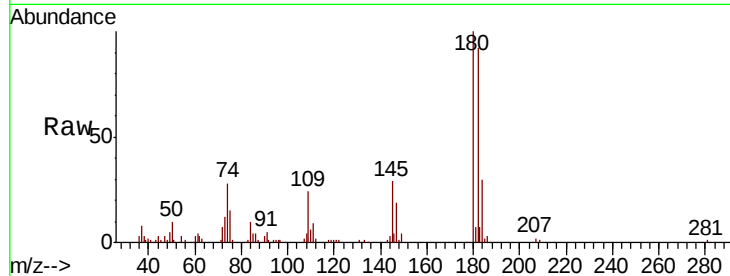




#93
 1,2,4-Trichlorobenzene
 Concen: 17.643 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

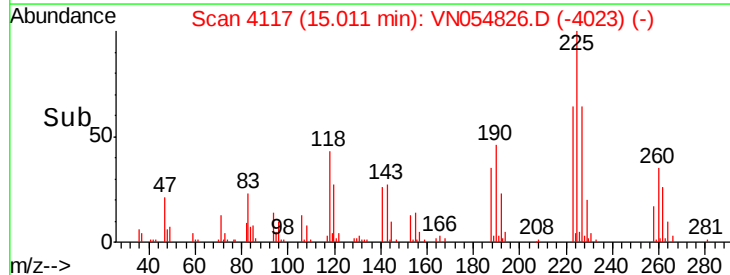
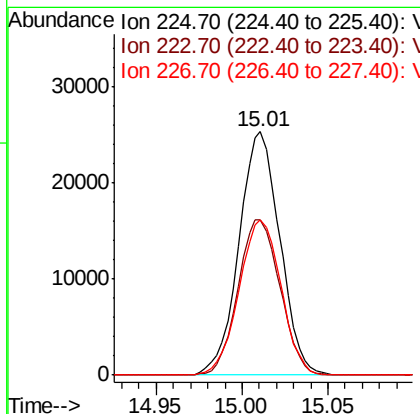
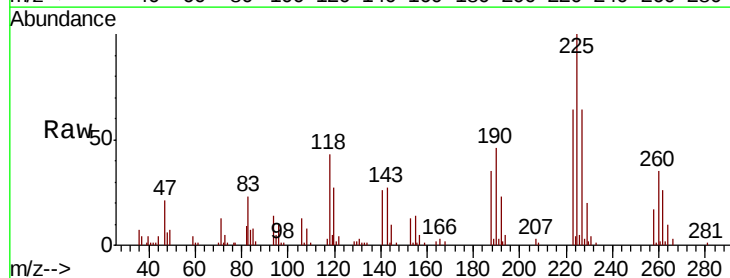
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 66943
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.0 144.2
 145 28.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 17.221 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054826.D
 Acq: 31 Mar 2019 2:37

Tgt Ion:225 Resp: 41795
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.1 93.5
 227 65.3 31.9 95.9





#95

Naphthalene

Concen: 19.369 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

Instrument :

MSVOA_N

ClientSampleId :

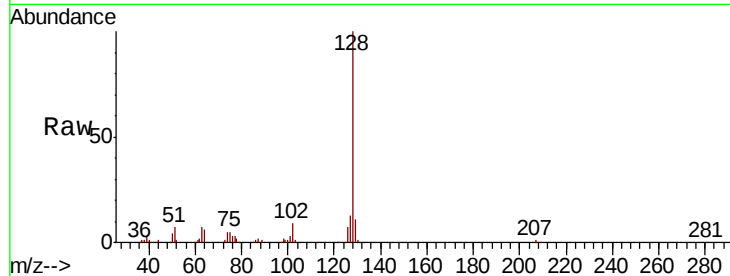
Tot Ion:128 Resp: 164821

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

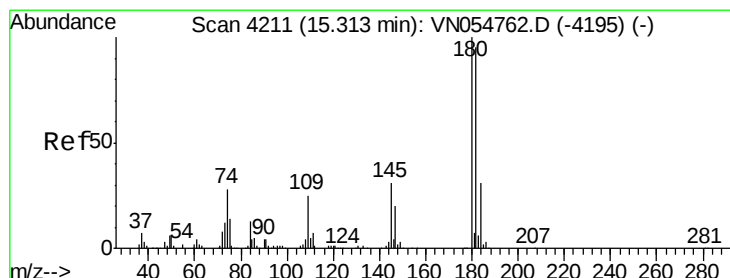
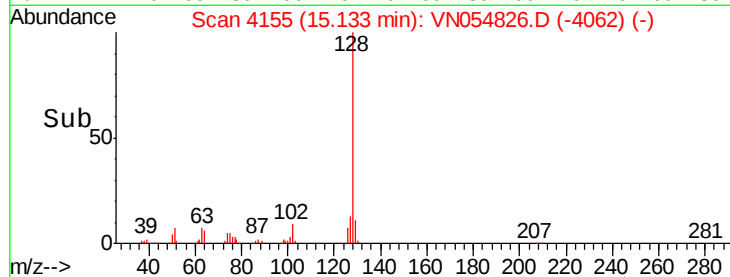
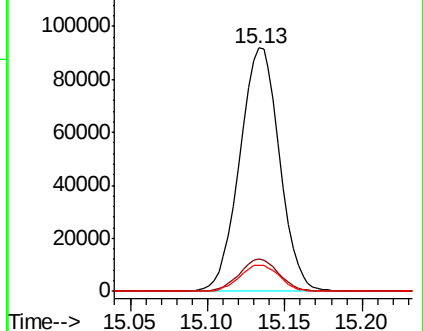
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.446 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054826.D

Acq: 31 Mar 2019 2:37

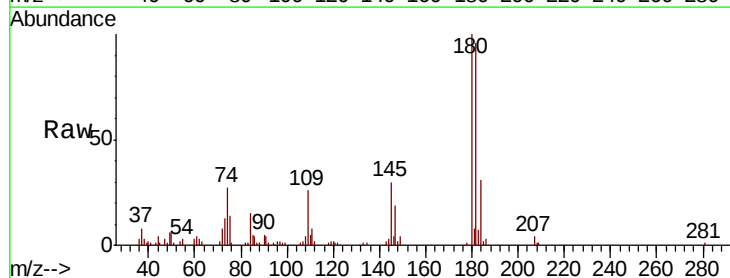
Tgt Ion:180 Resp: 70681

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 31.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

