

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054417.D
 Acq On : 19 Mar 2019 2:45
 Operator : JC/SP
 Sample : VN0318MBS02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:19:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1160810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1824846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	706490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	644089	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	613401	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.09	98	2164278	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	726706	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	221218	20.108	ug/l	98
3) Chloromethane	2.06	50	223307	20.896	ug/l	98
4) Vinyl Chloride	2.19	62	239458	19.605	ug/l	100
5) Bromomethane	2.57	94	143081	16.913	ug/l	98
6) Chloroethane	2.71	64	143282	19.388	ug/l	96
7) Trichlorofluoromethane	3.02	101	308416	18.992	ug/l	98
8) Diethyl Ether	3.41	74	158921	21.475	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	242368	19.916	ug/l	99
10) Methyl Iodide	3.94	142	298101	18.230	ug/l	100
11) Tert butyl alcohol	4.82	59	85529	101.203	ug/l	99
12) 1,1-Dichloroethene	3.73	96	241625	20.036	ug/l	100
13) Acrolein	3.61	56	47088	58.799	ug/l	97
14) Allyl chloride	4.31	41	305163	19.723	ug/l	98
15) Acrylonitrile	4.99	53	406410	117.069	ug/l	99
16) Acetone	3.82	43	275956	78.180	ug/l	99
17) Carbon Disulfide	4.04	76	486398	16.089	ug/l	98
18) Methyl Acetate	4.33	43	194772	27.274	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	669578	22.400	ug/l	99
20) Methylene Chloride	4.55	84	270183	23.312	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	238199	20.615	ug/l	99
22) Diisopropyl ether	5.96	45	685449	22.196	ug/l	98
23) Vinyl Acetate	5.90	43	2372238	104.188	ug/l	99
24) 1,1-Dichloroethane	5.85	63	440805	22.231	ug/l	99
25) 2-Butanone	6.85	43	459653	110.951	ug/l	100
26) 2,2-Dichloropropane	6.83	77	230057	13.194	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	291808	22.637	ug/l	94
28) Bromochloromethane	7.19	49	177580	21.907	ug/l	98
29) Tetrahydrofuran	7.22	42	314716	118.150	ug/l	99
30) Chloroform	7.37	83	473659	22.893	ug/l	99
31) Cyclohexane	7.65	56	370997	19.258	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	383128	20.503	ug/l	98
36) 1,1-Dichloropropene	7.79	75	329034	19.579	ug/l	100
37) Ethyl Acetate	6.94	43	200780	20.793	ug/l	98
38) Carbon Tetrachloride	7.77	117	333438	18.920	ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Mar 19 05:19:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363448	17.578	ug/l	98
40) Benzene	8.04	78	1027684	21.370	ug/l	98
41) Methacrylonitrile	7.18	41	111538	20.231	ug/l	96
42) 1,2-Dichloroethane	8.13	62	340499	20.972	ug/l	98
43) Isopropyl Acetate	8.17	43	338792	19.989	ug/l	99
44) Trichloroethene	8.83	130	300586	20.121	ug/l	97
45) 1,2-Dichloropropane	9.12	63	256963	21.519	ug/l	98
46) Dibromomethane	9.21	93	169442	21.001	ug/l	99
47) Bromodichloromethane	9.40	83	331764	20.511	ug/l	97
48) Methyl methacrylate	9.20	41	182428	21.209	ug/l	96
49) 1,4-Dioxane	9.21	88	55546	456.546	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1004533	111.993	ug/l	98
52) Toluene	10.16	92	644170	21.126	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	277667	16.399	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	345908	18.352	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	249607	22.419	ug/l	99
56) Ethyl methacrylate	10.43	69	289550	21.810	ug/l	95
57) 1,3-Dichloropropane	10.71	76	400125	21.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	557257	107.068	ug/l	99
59) 2-Hexanone	10.75	43	636821	106.700	ug/l	99
60) Dibromochloromethane	10.90	129	248587	19.836	ug/l	100
61) 1,2-Dibromoethane	11.01	107	245049	21.658	ug/l	99
64) Tetrachloroethene	10.63	164	314939	20.458	ug/l	98
65) Chlorobenzene	11.43	112	737884	21.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	263068	20.713	ug/l	98
67) Ethyl Benzene	11.51	91	1188550	20.508	ug/l	100
68) m/p-Xylenes	11.62	106	931431	41.120	ug/l	100
69) o-Xylene	11.95	106	467141	21.155	ug/l	98
70) Styrene	11.96	104	731292	21.117	ug/l	99
71) Bromoform	12.13	173	156528	17.758	ug/l #	99
73) Isopropylbenzene	12.25	105	1209643	21.401	ug/l	99
74) N-amyl acetate	12.07	43	271676	21.654	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	283008	23.500	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	315343	30.353	ug/l #	100
77) Bromobenzene	12.53	156	323788	21.648	ug/l	99
78) n-propylbenzene	12.59	91	1277703	20.833	ug/l	100
79) 2-Chlorotoluene	12.67	91	796140	21.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	982064	20.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41936	13.798	ug/l #	79
82) 4-Chlorotoluene	12.77	91	774755	21.040	ug/l	100
83) tert-Butylbenzene	12.99	119	899167	20.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	973337	21.102	ug/l	100
85) sec-Butylbenzene	13.17	105	1118762	19.935	ug/l	99
86) p-Isopropyltoluene	13.29	119	960940	19.517	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	530772	21.060	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	509030	20.560	ug/l	99
89) n-Butylbenzene	13.62	91	690479	18.457	ug/l	100
90) Hexachloroethane	13.87	117	141135	17.311	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	543123	22.044	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39318	21.099	ug/l	98

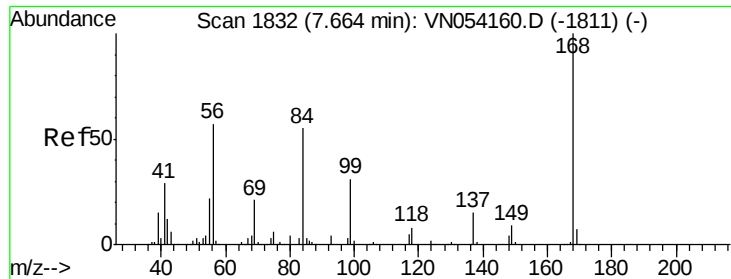
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031819\
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Quant Time: Mar 19 05:19:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247674	18.329	ug/l	98
94) Hexachlorobutadiene	15.01	225	158927	16.935	ug/l	99
95) Naphthalene	15.13	128	546789	19.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	256983	19.631	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

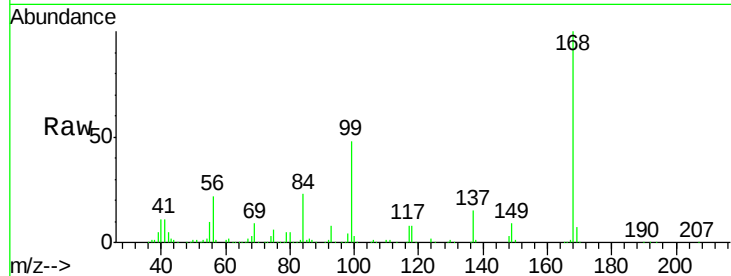
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1160810

Ion Ratio Lower Upper

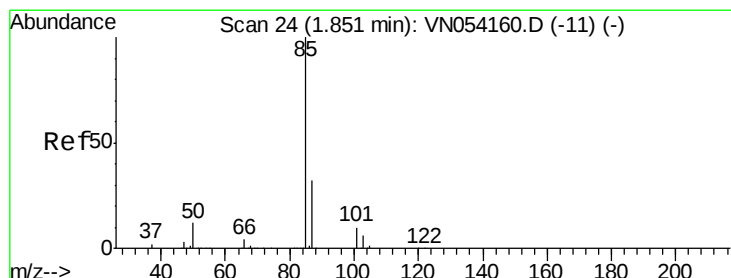
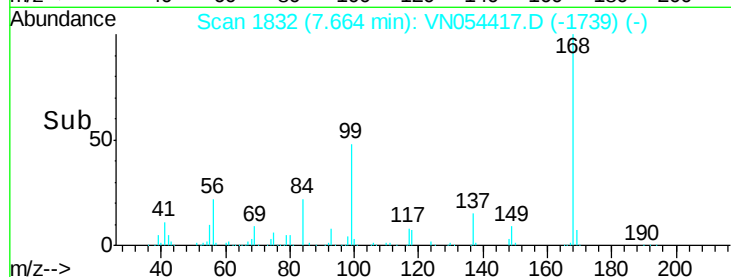
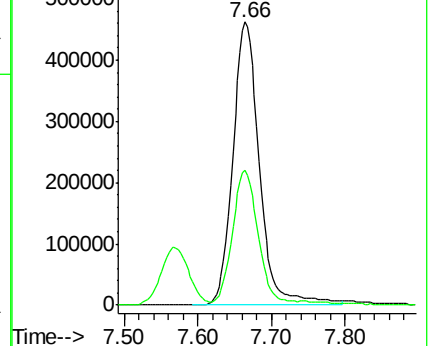
168 100

99 46.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.108 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054417.D

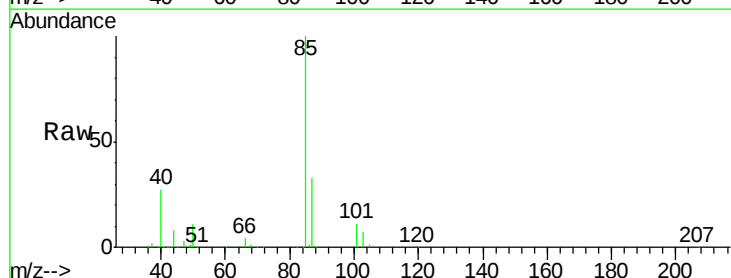
Acq: 19 Mar 2019 2:45

Tgt Ion: 85 Resp: 221218

Ion Ratio Lower Upper

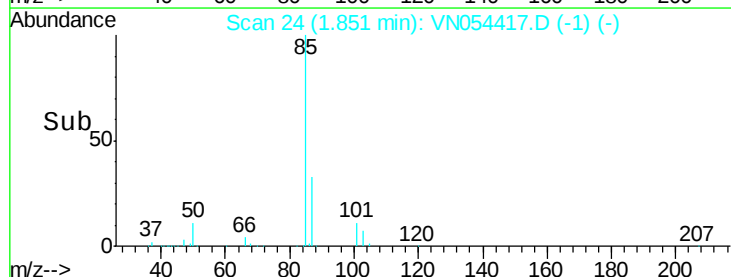
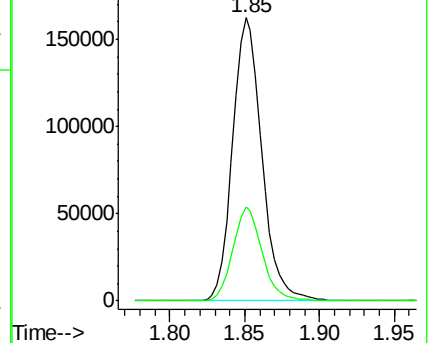
85 100

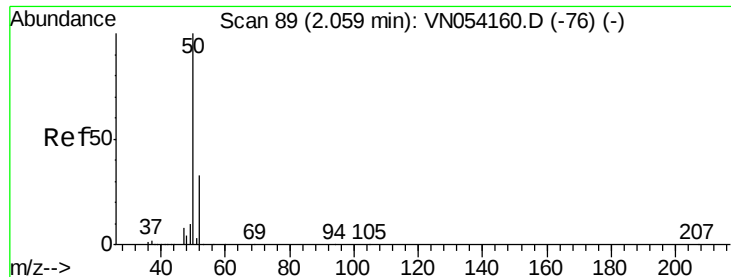
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.896 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

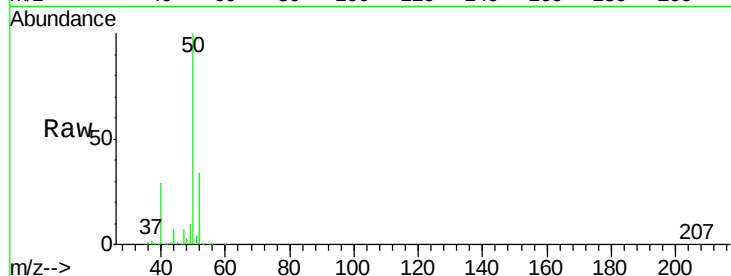
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 223307

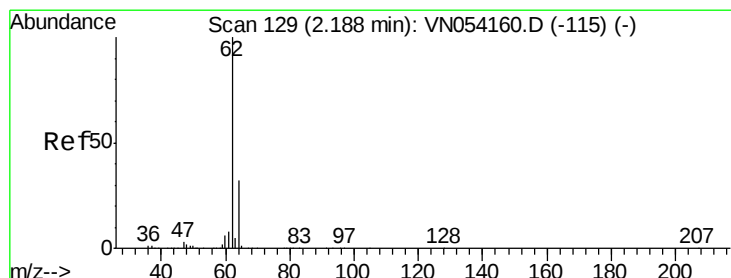
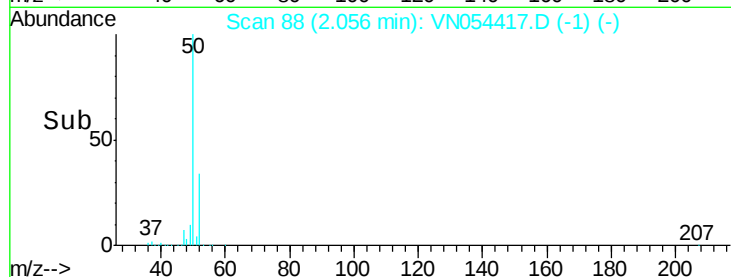
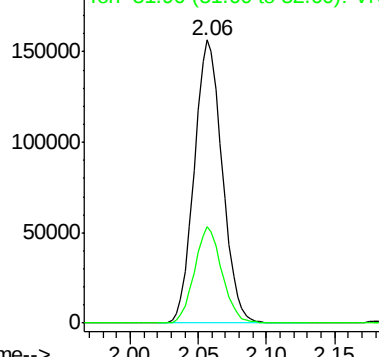
Ion Ratio Lower Upper

50 100

52 33.9 26.4 39.6



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



#4

Vinyl Chloride

Concen: 19.605 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054417.D

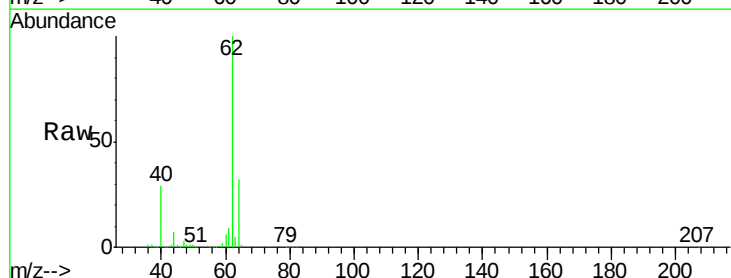
Acq: 19 Mar 2019 2:45

Tgt Ion: 62 Resp: 239458

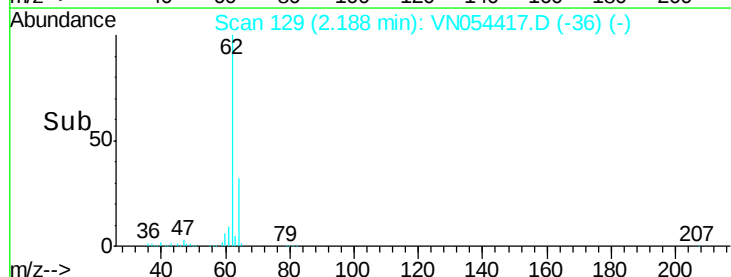
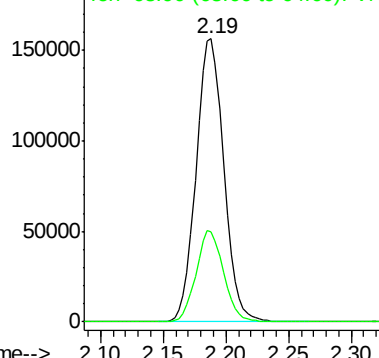
Ion Ratio Lower Upper

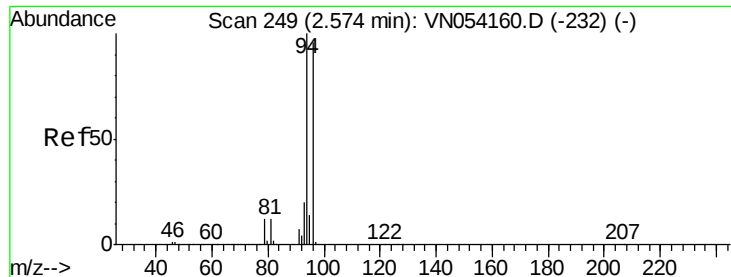
62 100

64 31.9 25.5 38.3



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





#5

Bromomethane

Concen: 16.913 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

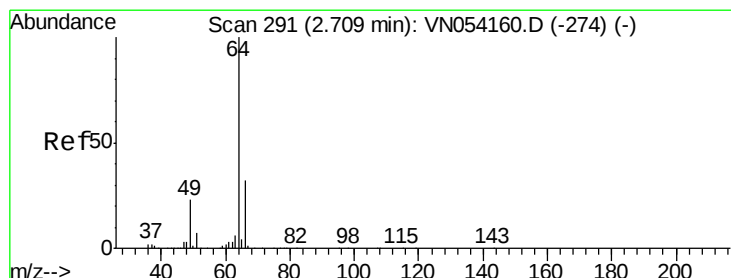
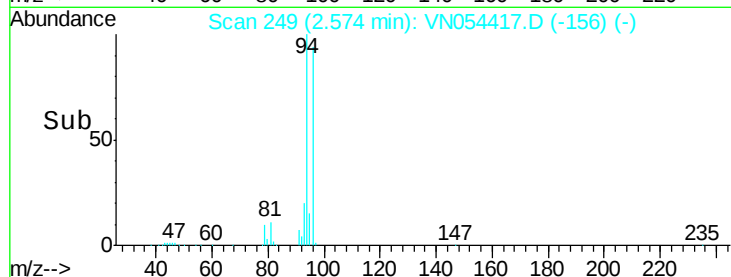
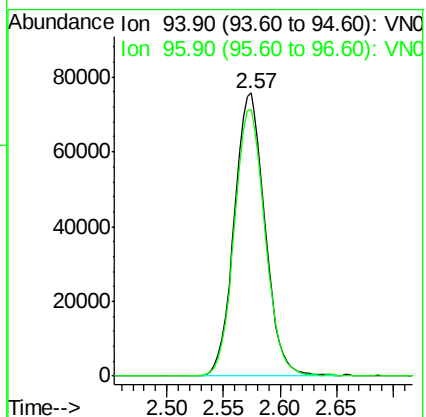
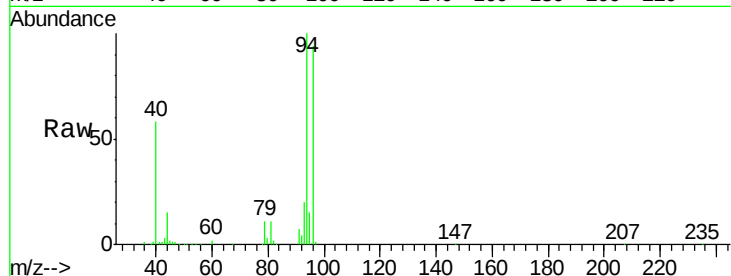
ClientSampleId :

Tot Ion: 94 Resp: 143081

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.4



#6

Chloroethane

Concen: 19.388 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054417.D

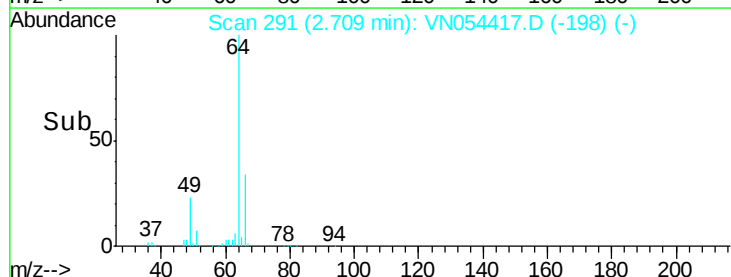
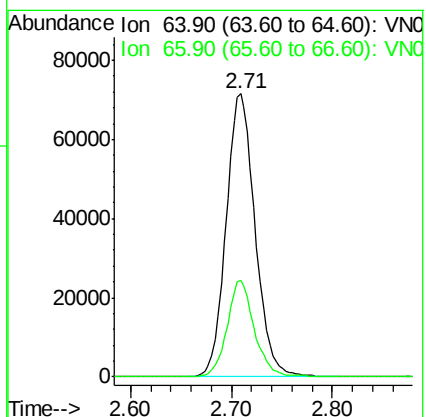
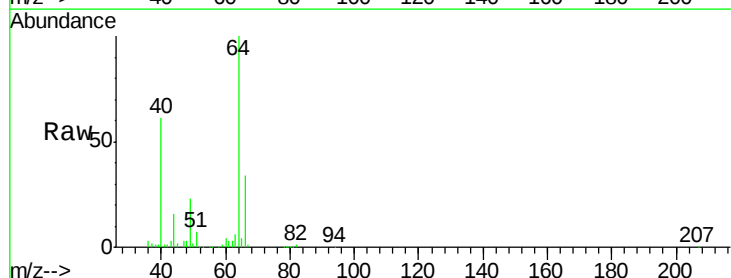
Acq: 19 Mar 2019 2:45

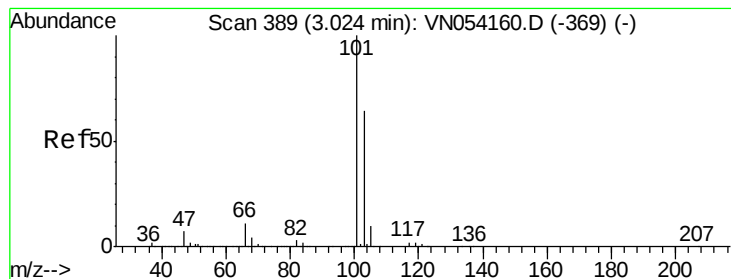
Tgt Ion: 64 Resp: 143282

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5



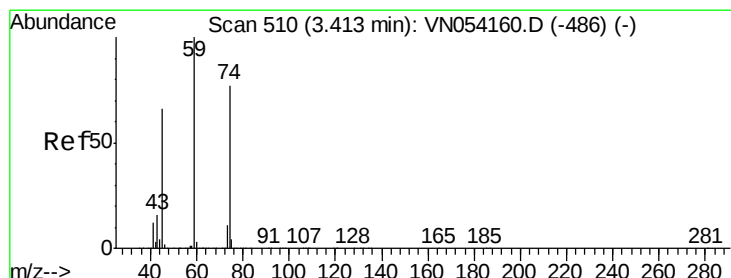
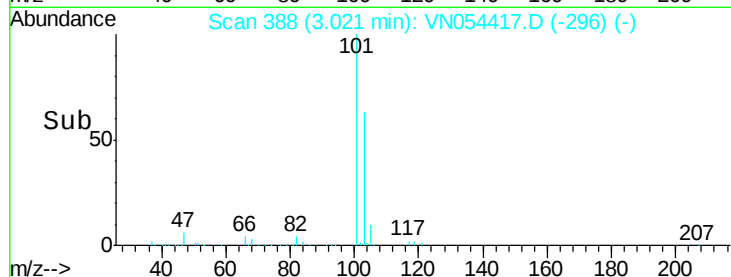
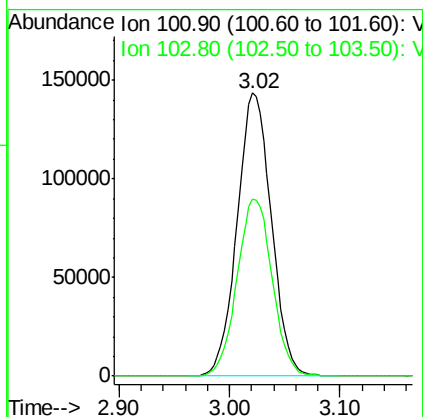
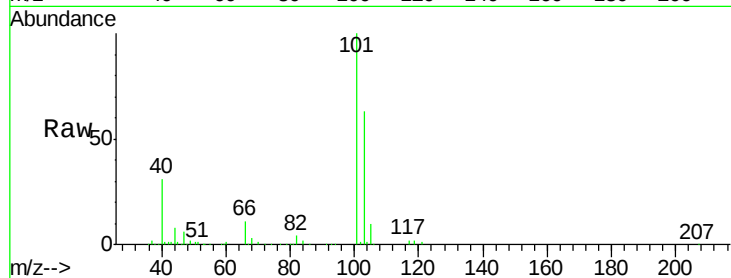


#7

Trichlorofluoromethane
 Concen: 18.992 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Instrument :
 MSVOA_N
 ClientSampleId :

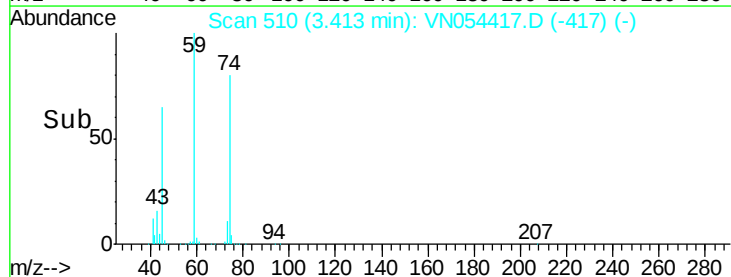
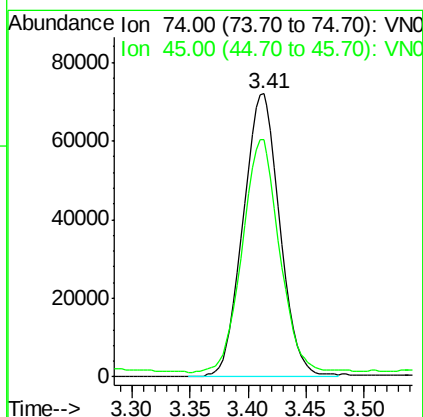
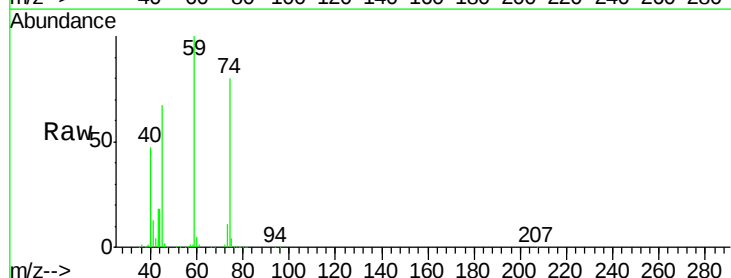
Tot Ion:101 Resp: 308416
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.4 77.2

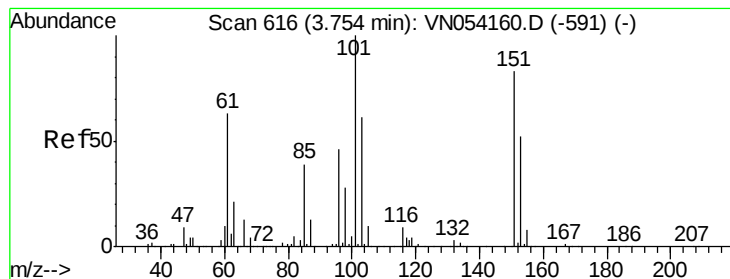


#8

Diethyl Ether
 Concen: 21.475 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion: 74 Resp: 158921
 Ion Ratio Lower Upper
 74 100
 45 82.6 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.916 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampled :

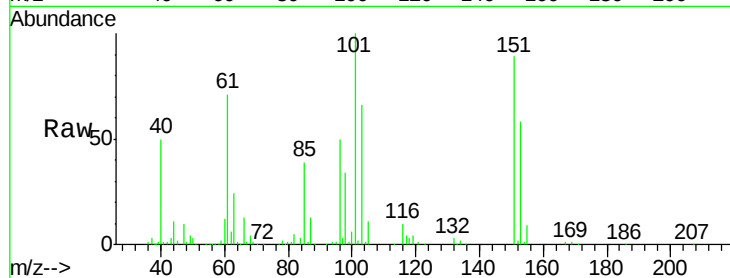
Tot Ion:101 Resp: 242368

Ion Ratio Lower Upper

101 100

85 39.2 32.4 48.6

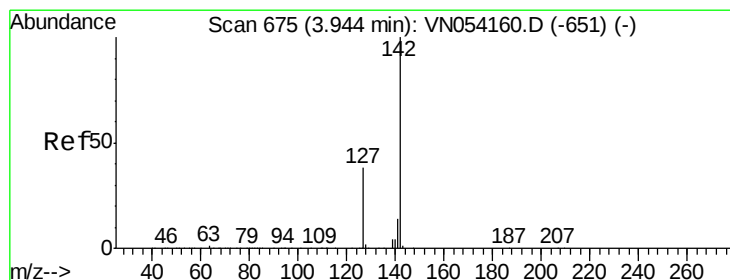
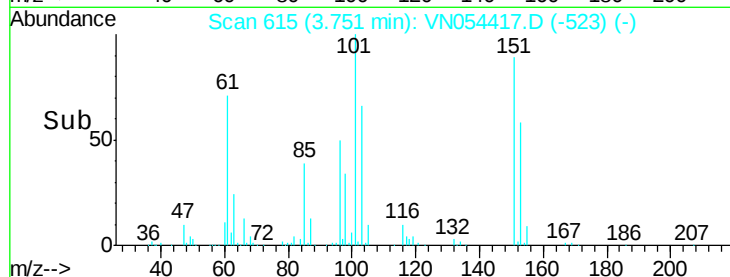
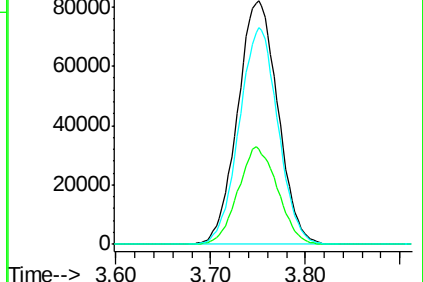
151 85.7 68.2 102.2



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: 18.230 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

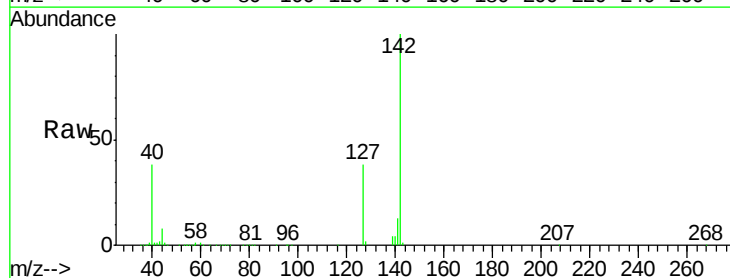
Tgt Ion:142 Resp: 298101

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

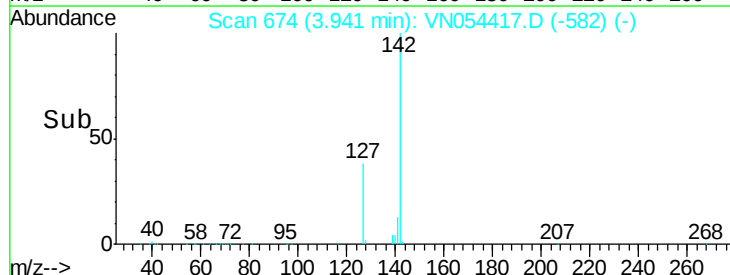
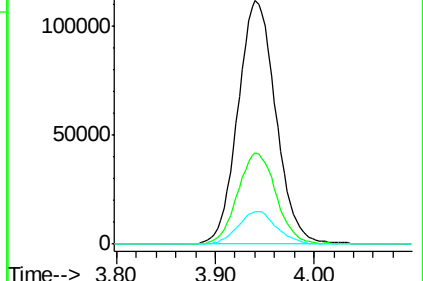
141 13.6 11.2 16.8

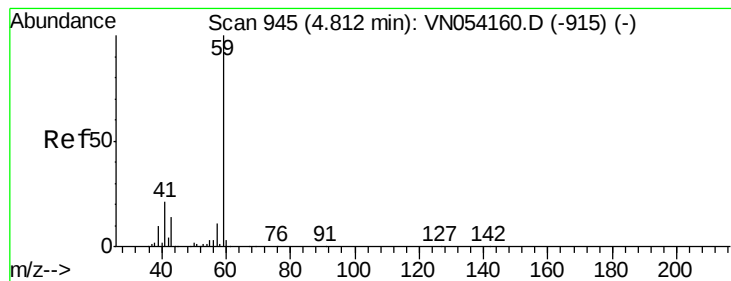


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



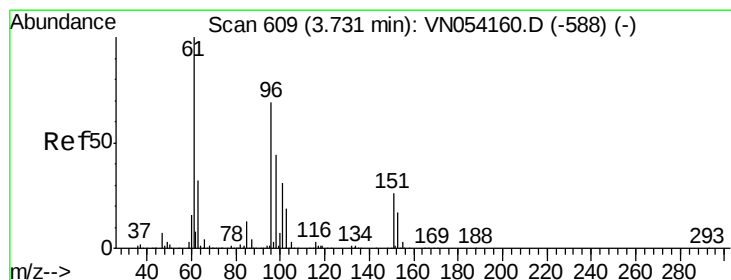
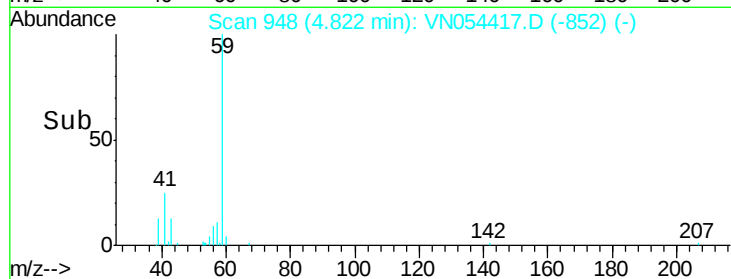
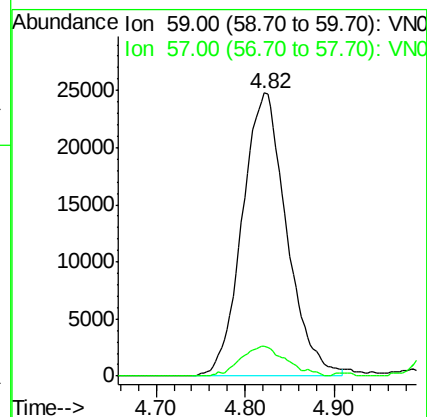
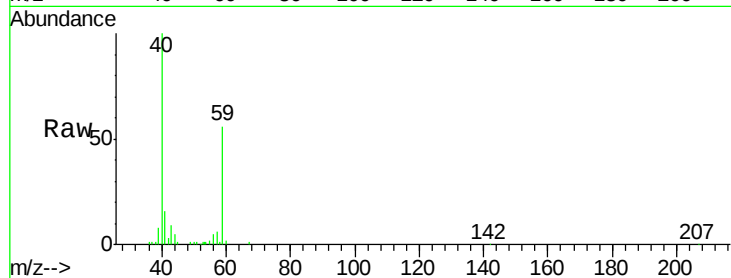


#11

Tert butyl alcohol
 Concen: 101.203 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Instrument :
 MSVOA_N
 ClientSampled :

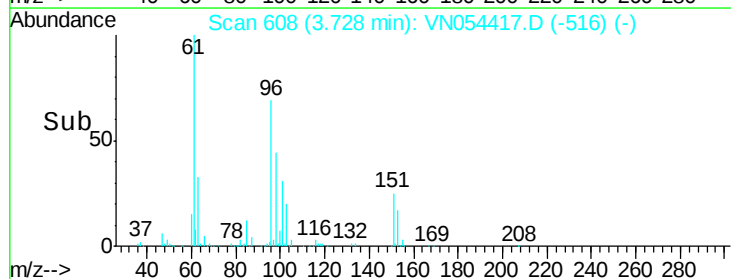
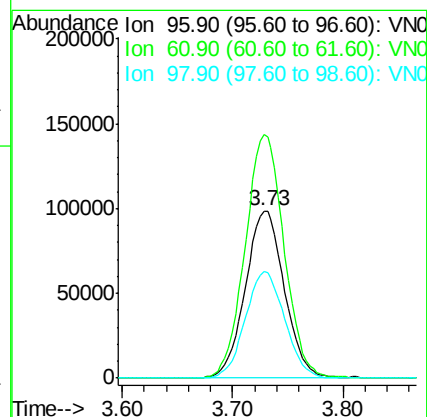
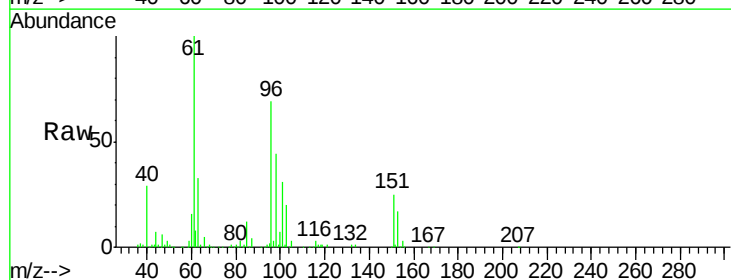
Tot Ion: 59 Resp: 85529
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

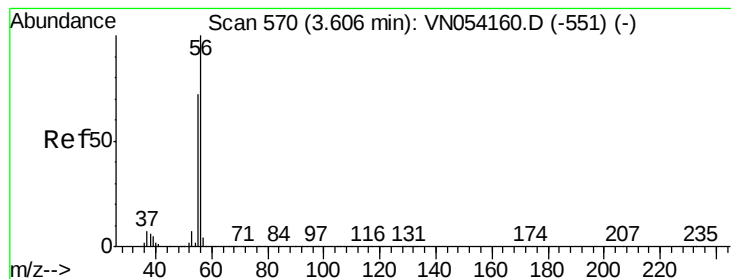


#12

1,1-Dichloroethene
 Concen: 20.036 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion: 96 Resp: 241625
 Ion Ratio Lower Upper
 96 100
 61 145.7 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 58.799 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

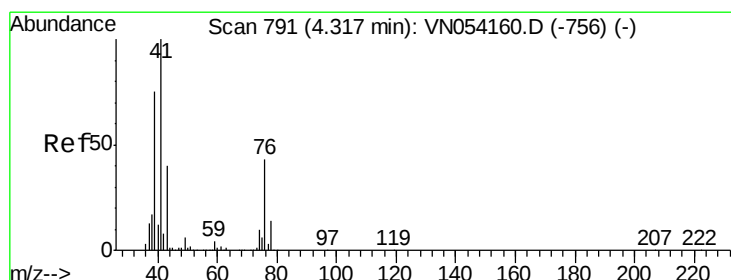
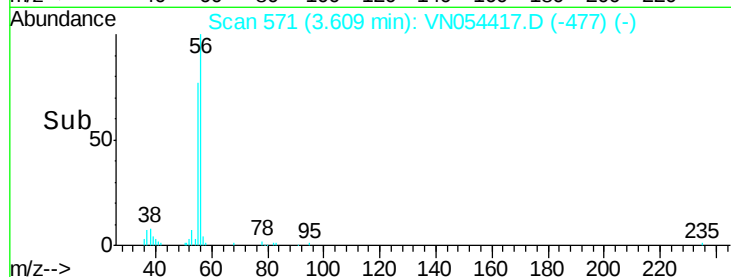
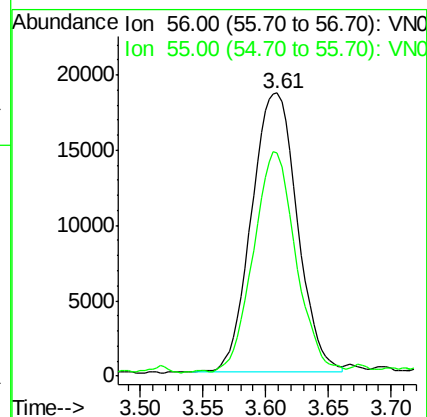
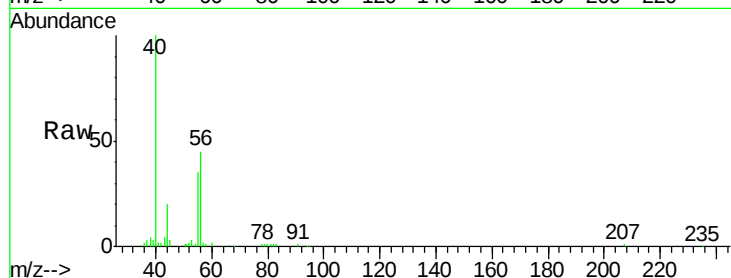
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 47088

Ion Ratio Lower Upper

56 100

55 73.3 56.7 85.1



#14

Allyl chloride

Concen: 19.723 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

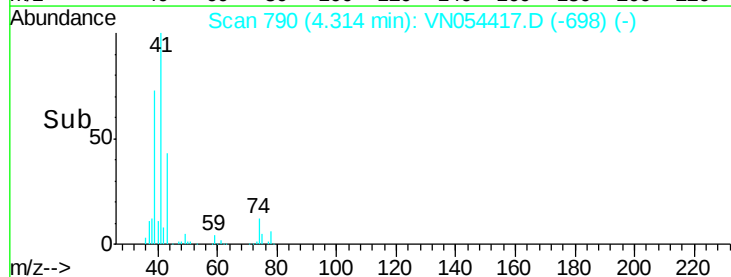
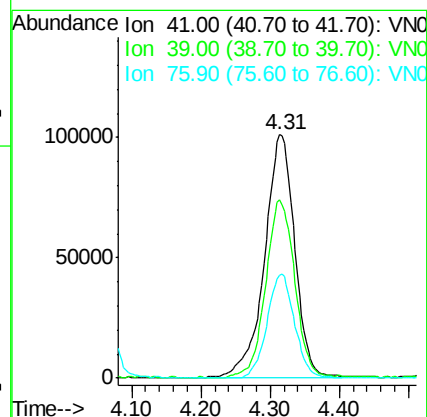
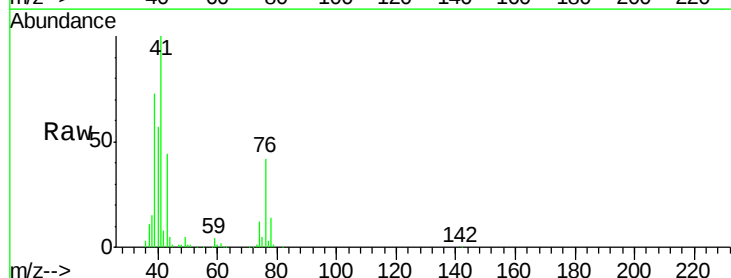
Tgt Ion: 41 Resp: 305163

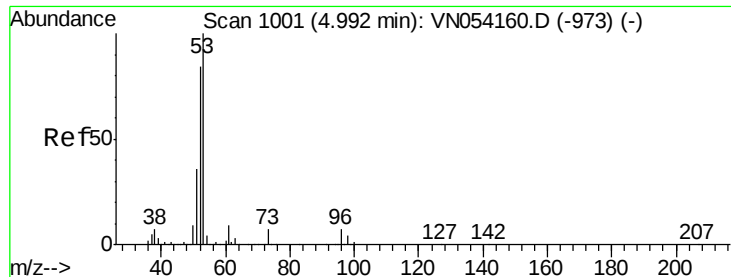
Ion Ratio Lower Upper

41 100

39 71.1 58.2 87.4

76 39.0 31.7 47.5





#15

Acrylonitrile

Concen: 117.069 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampleId :

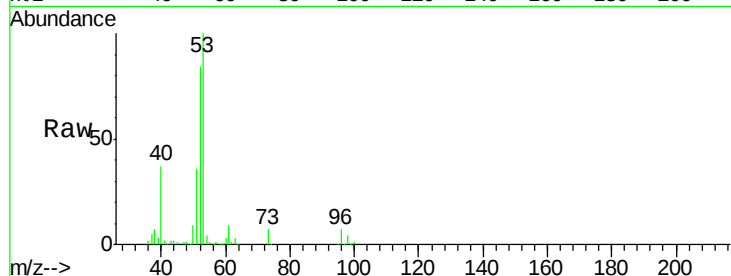
Tot Ion: 53 Resp: 406410

Ion Ratio Lower Upper

53 100

52 83.7 66.4 99.6

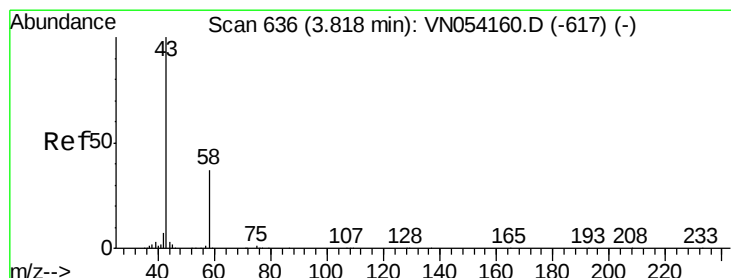
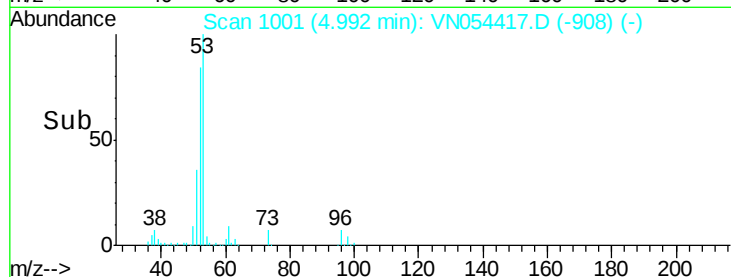
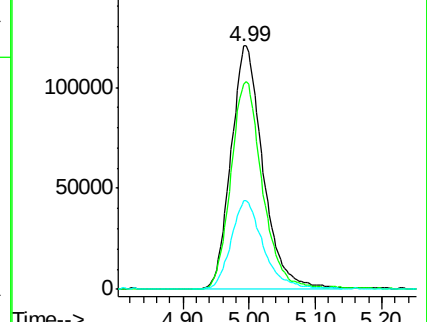
51 36.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054417.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054417.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054417.D (-973) (-)



#16

Acetone

Concen: 78.180 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054417.D

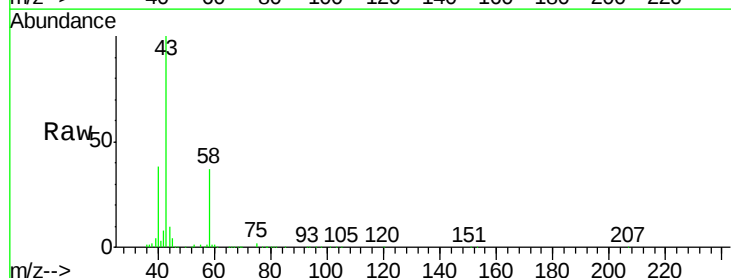
Acq: 19 Mar 2019 2:45

Tgt Ion: 43 Resp: 275956

Ion Ratio Lower Upper

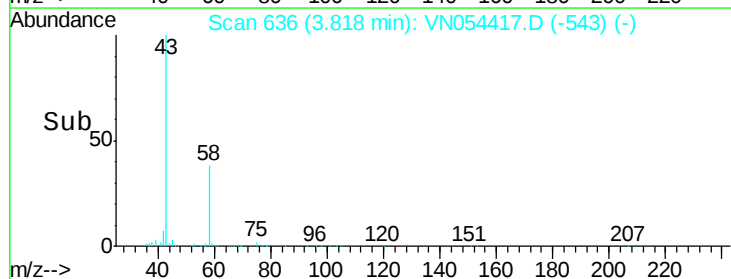
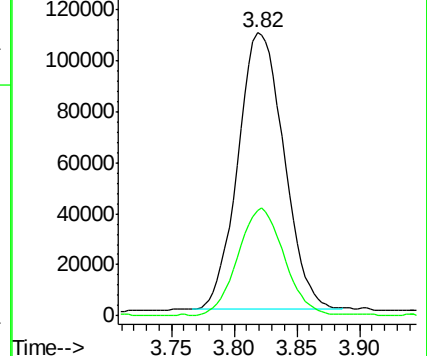
43 100

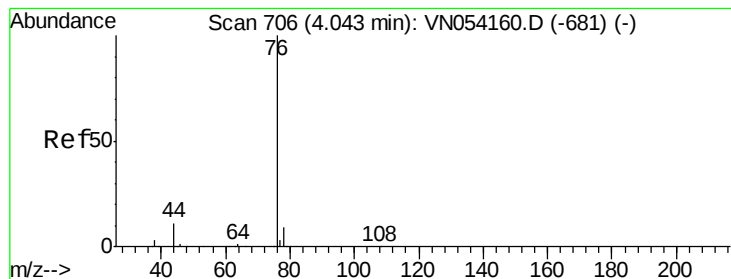
58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054417.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054417.D (-543) (-)





#17

Carbon Disulfide

Concen: 16.089 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

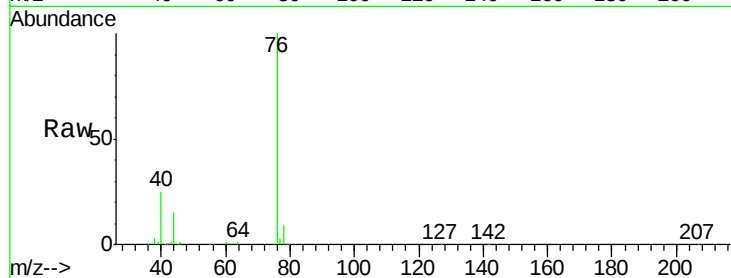
ClientSampled :

Tot Ion: 76 Resp: 486398

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

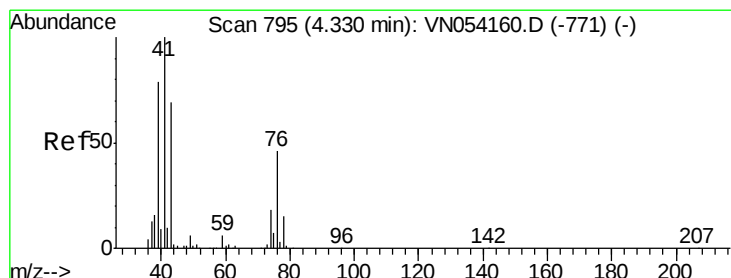
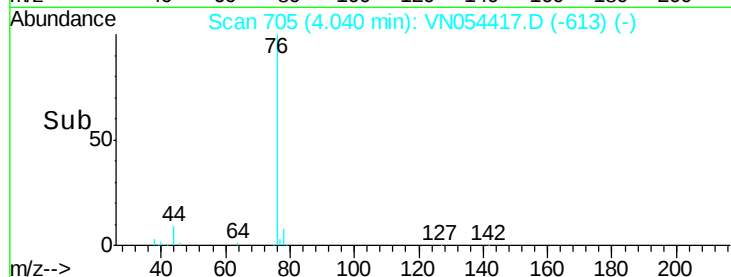
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 27.274 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054417.D

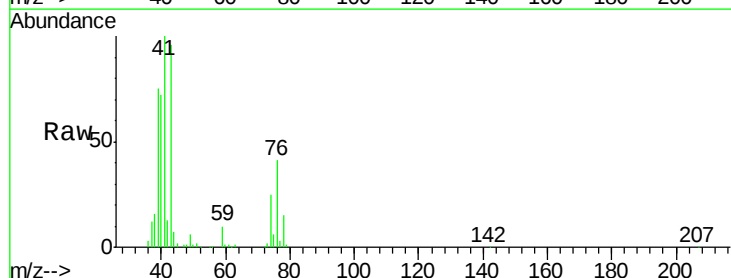
Acq: 19 Mar 2019 2:45

Tgt Ion: 43 Resp: 194772

Ion Ratio Lower Upper

43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

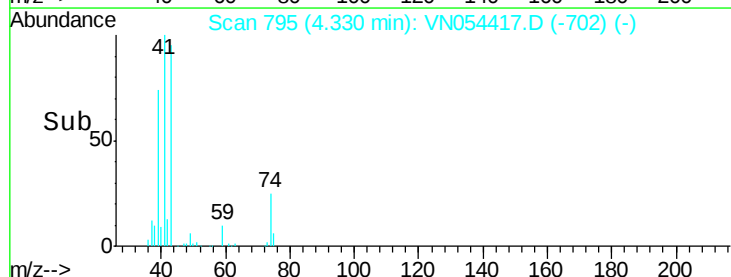
60000

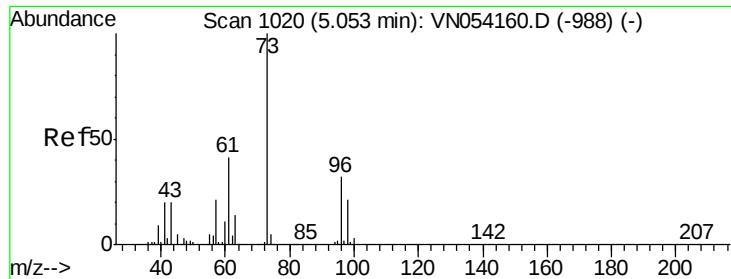
40000

20000

0

Time--> 4.20 4.30 4.40

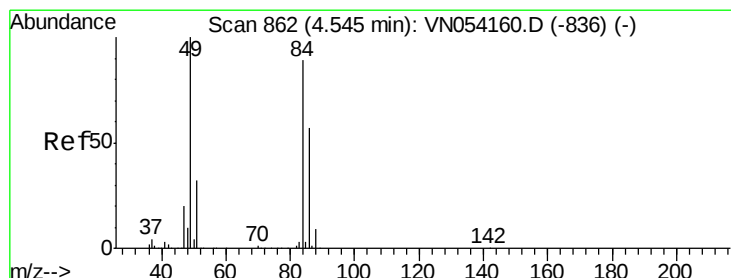
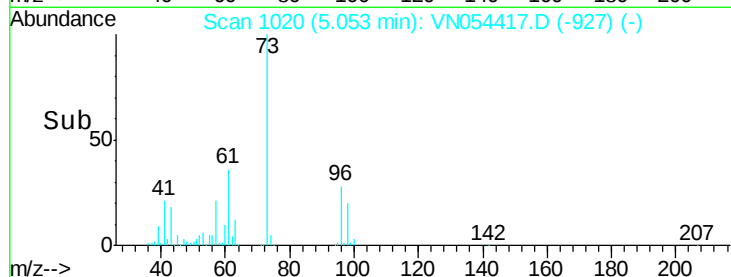
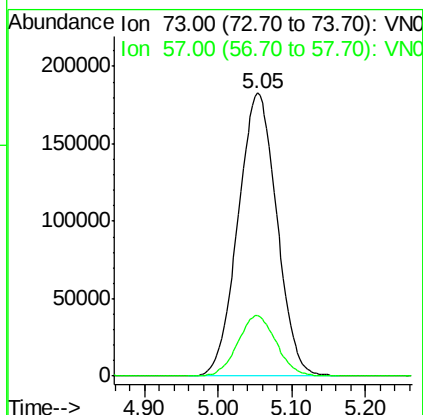
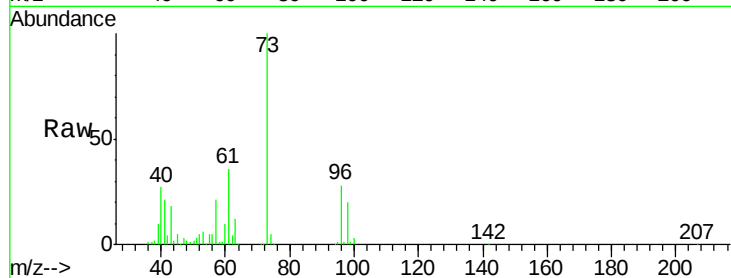




#19
Methvl tert-butvl Ether
Concen: 22.400 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

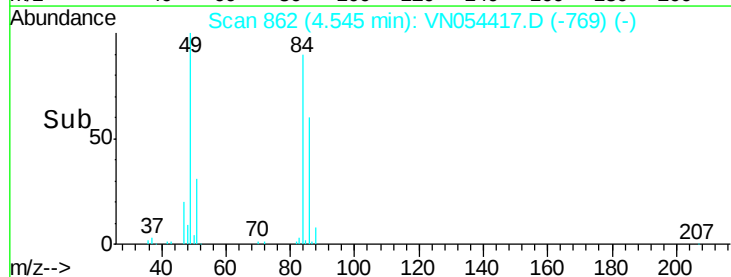
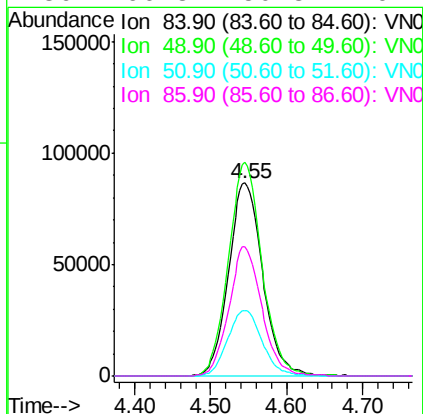
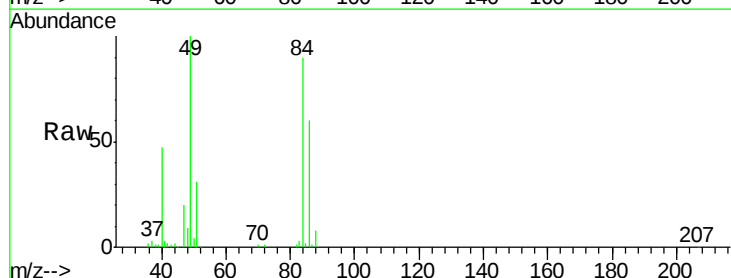
Instrument :
MSVOA_N
ClientSampled :

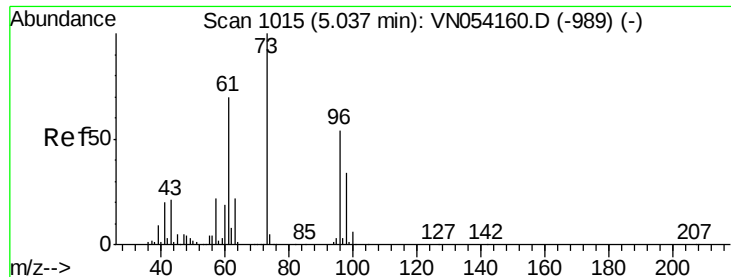
Tot Ion: 73 Resp: 669578
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 23.312 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 84 Resp: 270183
Ion Ratio Lower Upper
84 100
49 110.7 89.7 134.5
51 34.2 28.2 42.4
86 66.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.615 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampleId :

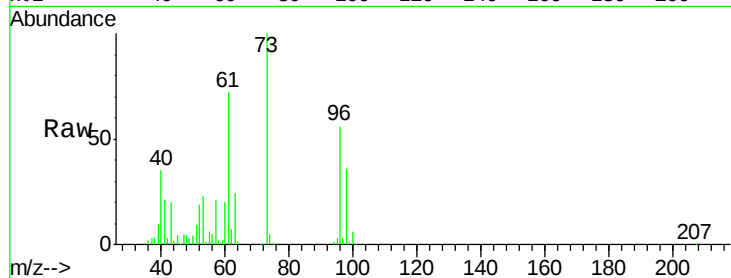
Tot Ion: 96 Resp: 238199

Ion Ratio Lower Upper

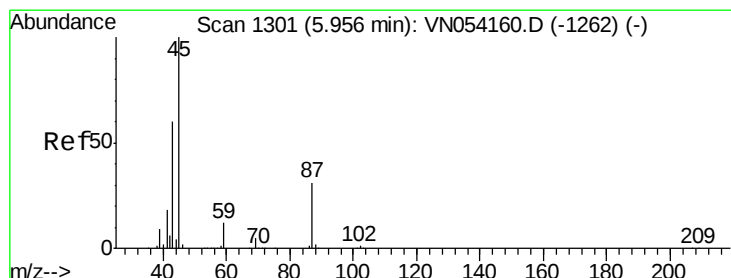
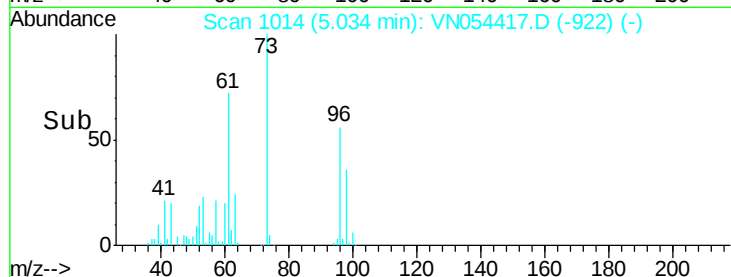
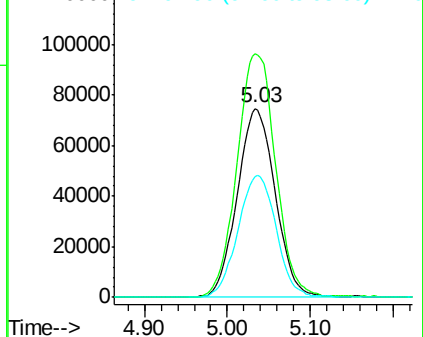
96 100

61 128.8 102.8 154.2

98 63.8 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: 22.196 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion: 45 Resp: 685449

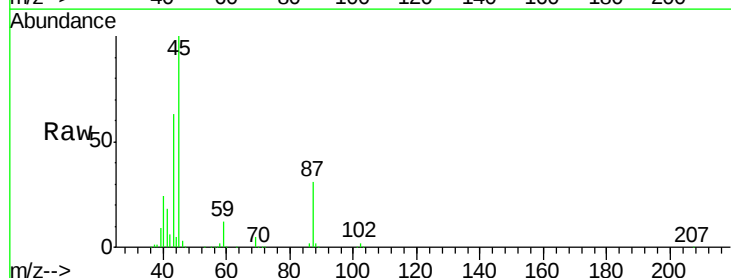
Ion Ratio Lower Upper

45 100

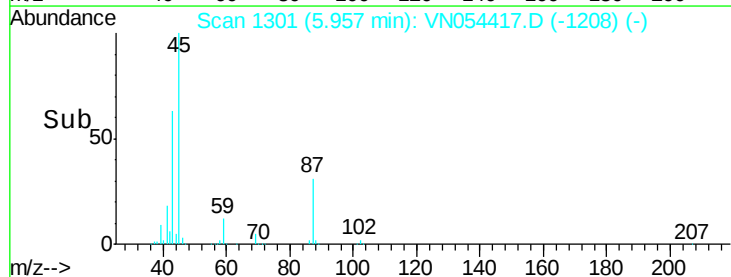
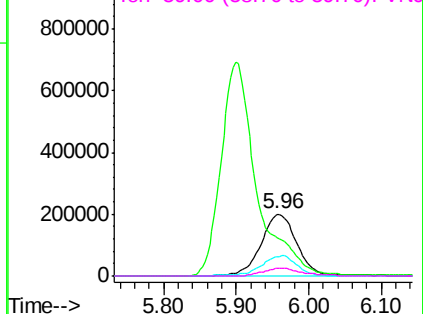
43 62.1 48.2 72.2

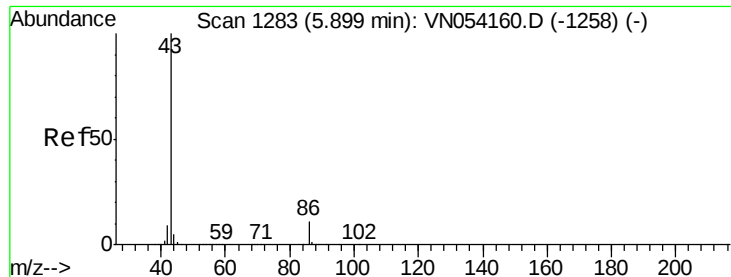
87 30.6 24.9 37.3

59 11.5 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: 104.188 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

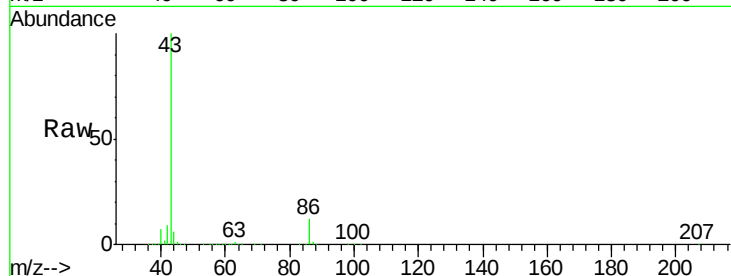
ClientSampled :

Tot Ion: 43 Resp: 2372238

Ion Ratio Lower Upper

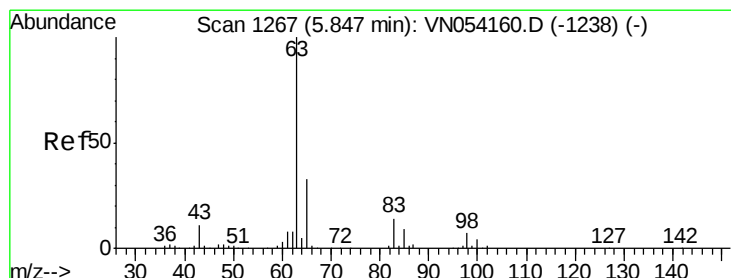
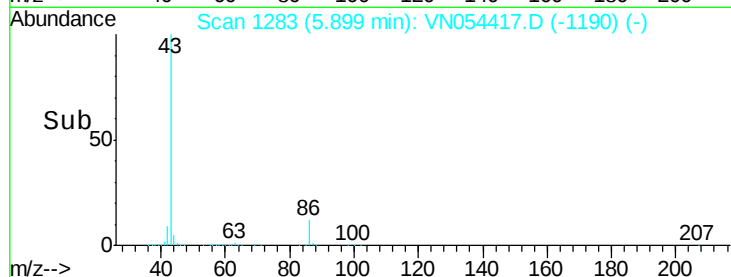
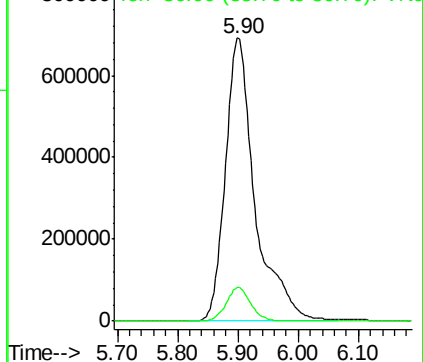
43 100

86 11.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.231 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

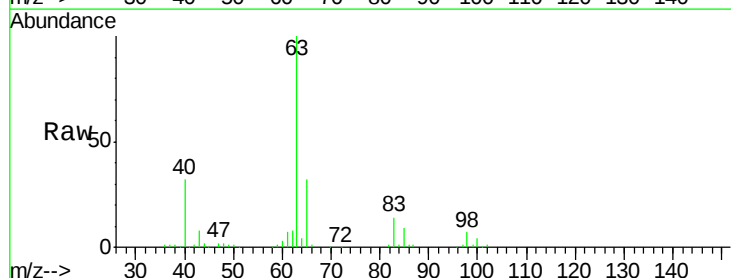
Tgt Ion: 63 Resp: 440805

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

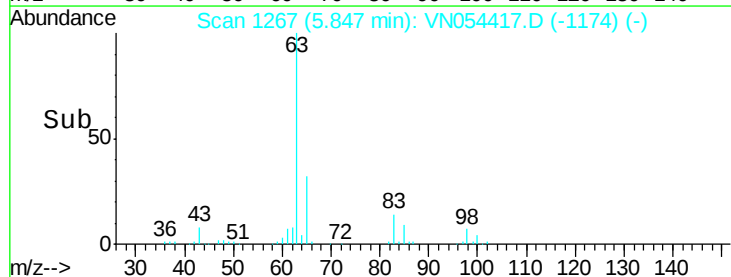
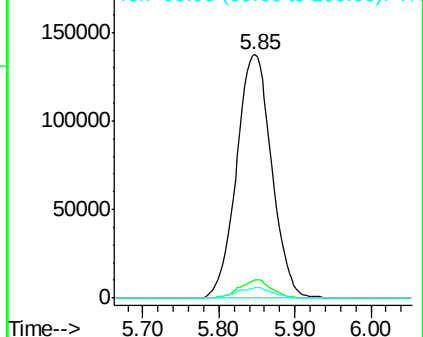
100 4.4 2.0 6.0

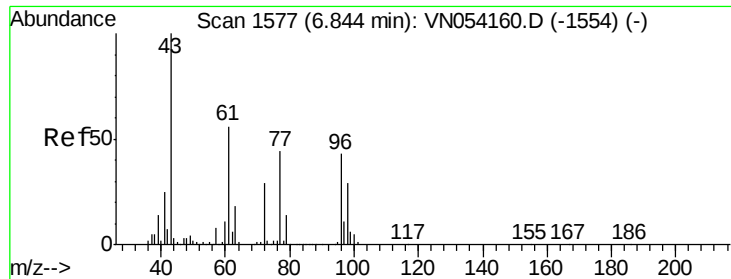


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

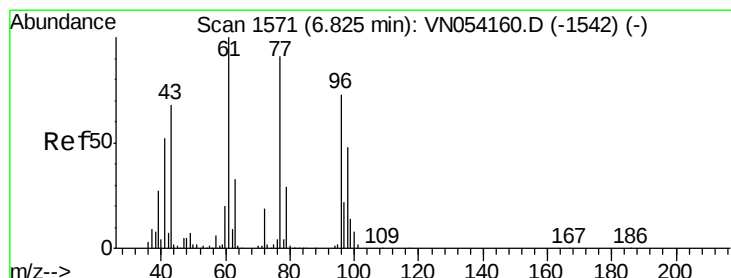
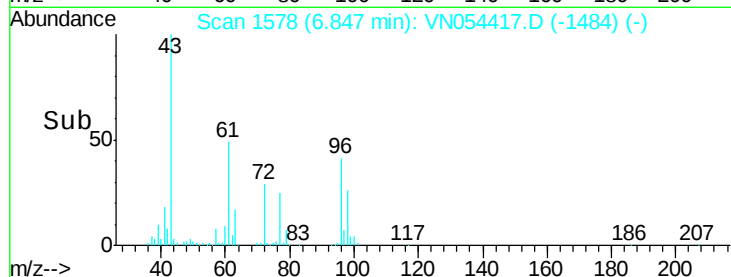
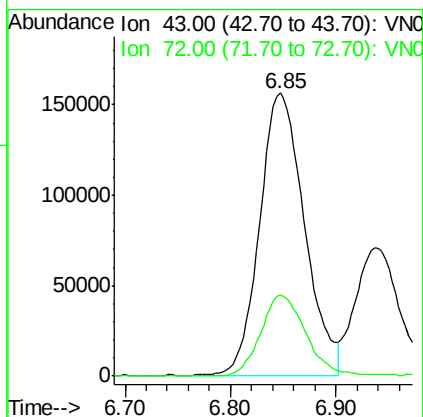
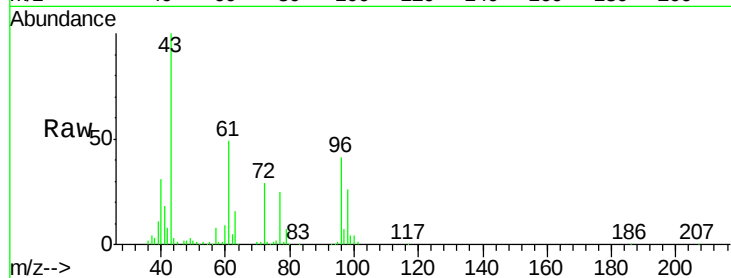




#25
2-Butanone
Concen: 110.951 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

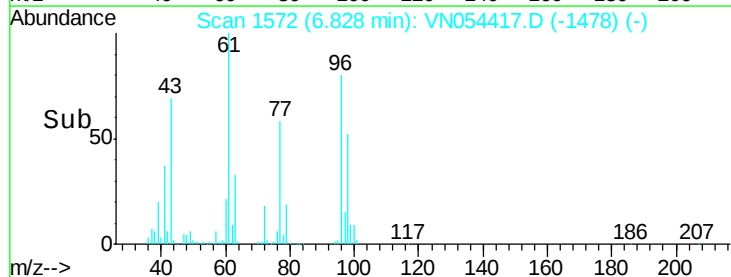
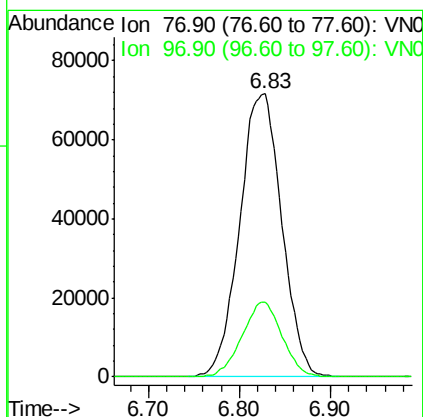
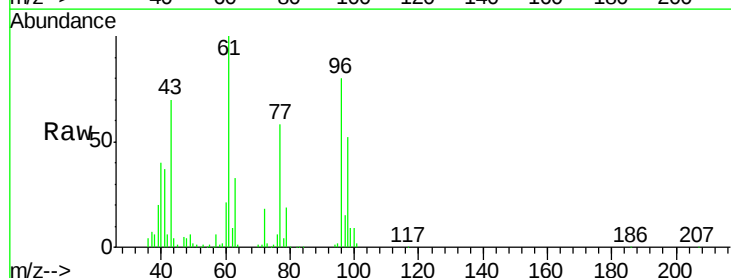
Instrument :
MSVOA_N
ClientSampled :

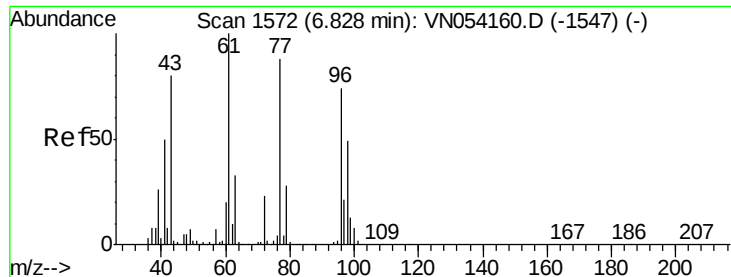
Tot Ion: 43 Resp: 459653
Ion Ratio Lower Upper
43 100
72 28.9 23.0 34.6



#26
2,2-Dichloropropane
Concen: 13.194 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 77 Resp: 230057
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.637 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampled :

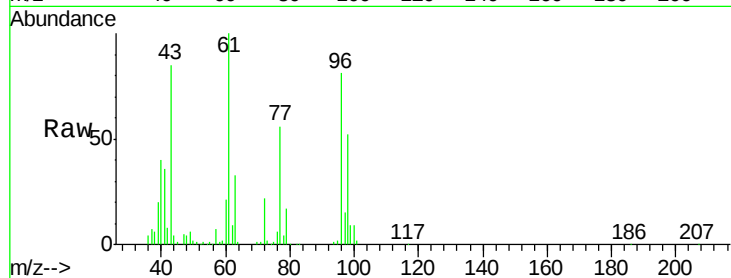
Tot Ion: 96 Resp: 291808

Ion Ratio Lower Upper

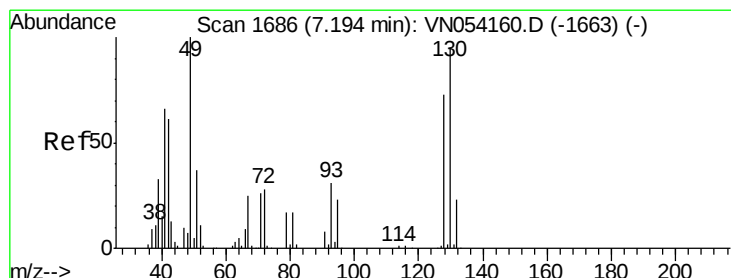
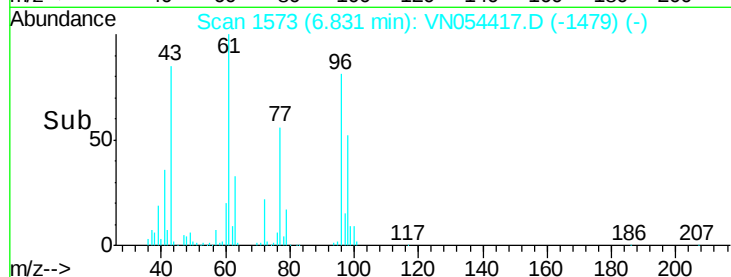
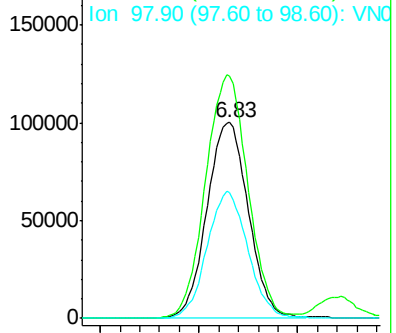
96 100

61 126.6 0.0 273.0

98 63.7 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: 21.907 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

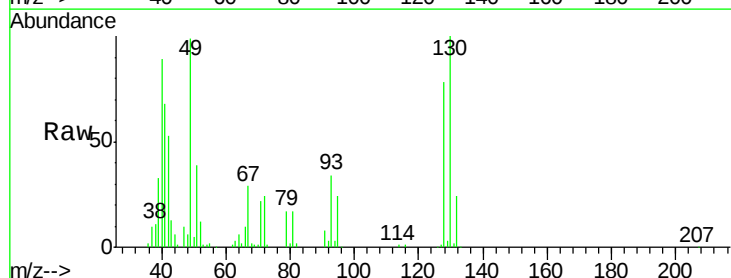
Tgt Ion: 49 Resp: 177580

Ion Ratio Lower Upper

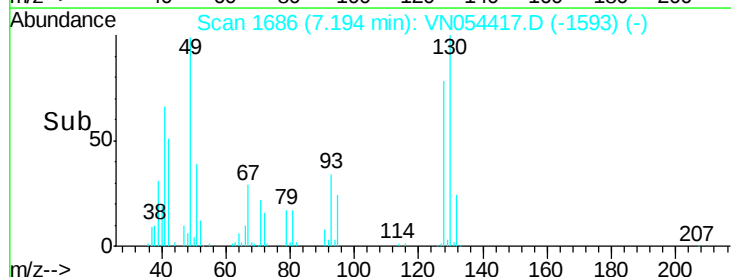
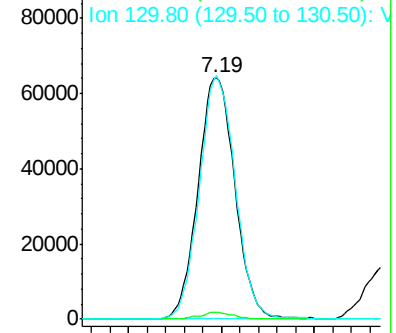
49 100

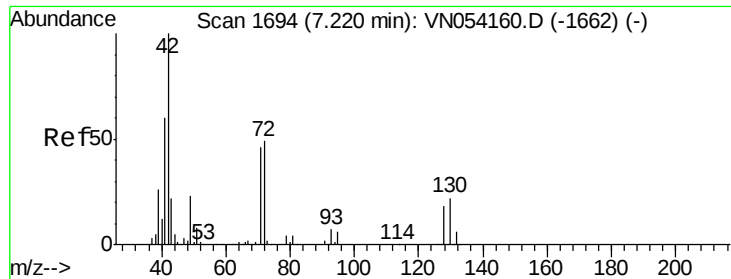
129 2.5 0.0 4.6

130 97.9 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

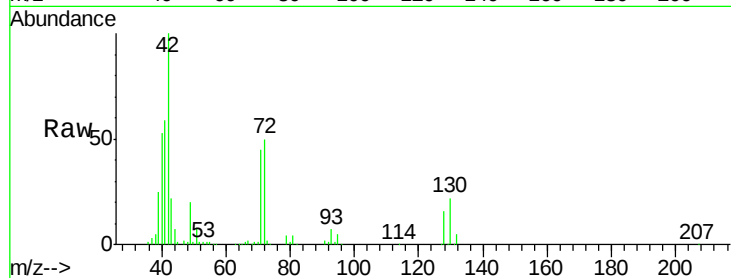




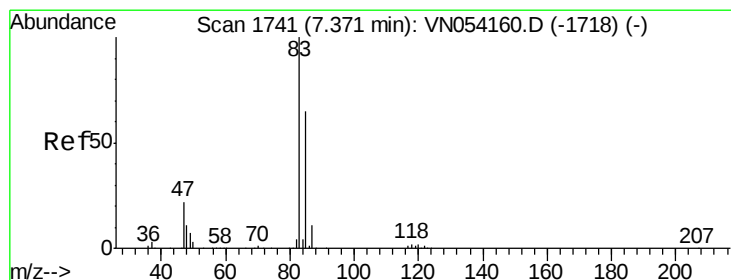
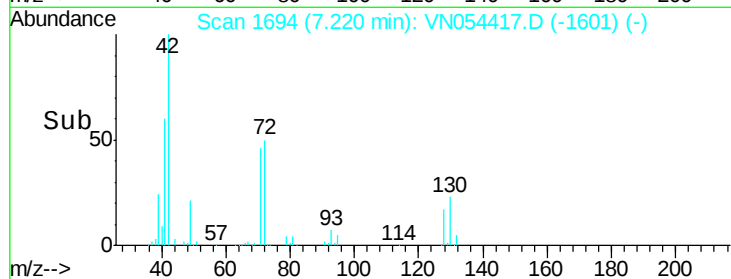
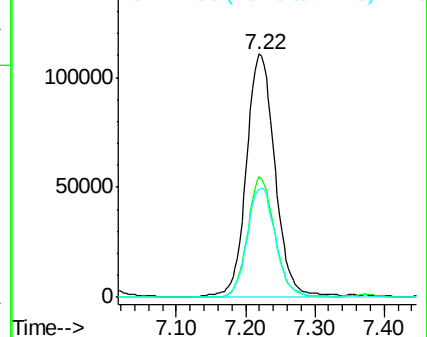
#29
Tetrahydrofuran
Concen: 118.150 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 314716
Ion Ratio Lower Upper
42 100
72 46.6 37.8 56.6
71 44.9 36.2 54.2

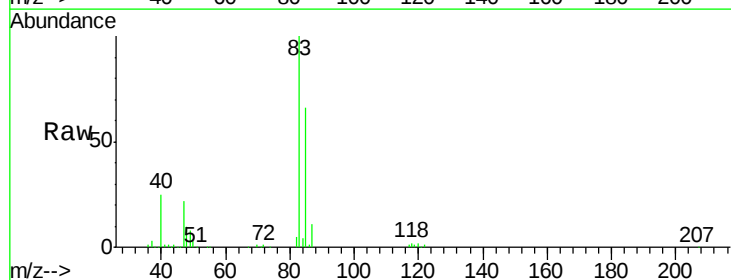


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

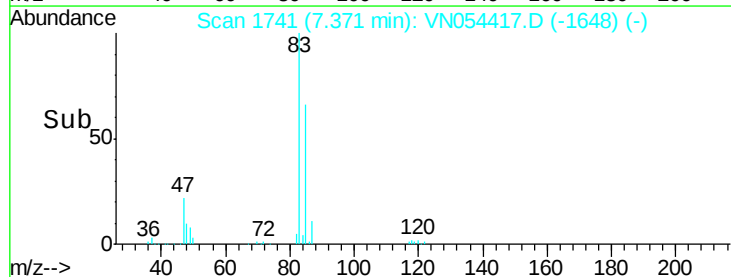
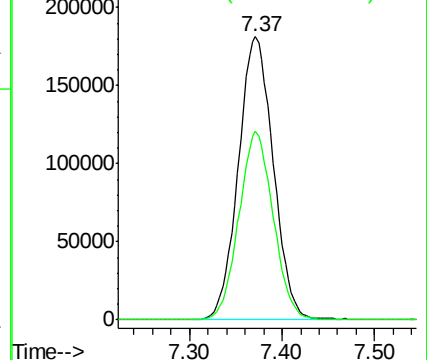


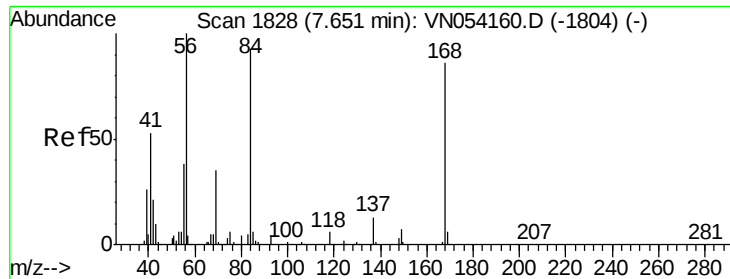
#30
Chloroform
Concen: 22.893 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 83 Resp: 473659
Ion Ratio Lower Upper
83 100
85 66.4 52.2 78.4



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





#31

Cyclohexane

Concen: 19.258 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampleId :

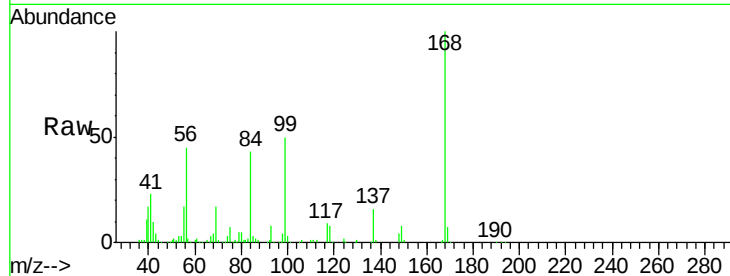
Tot Ion: 56 Resp: 370997

Ion Ratio Lower Upper

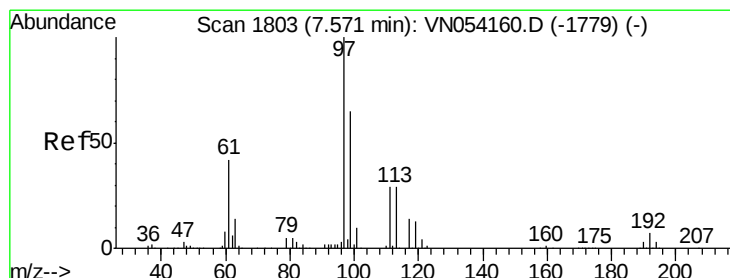
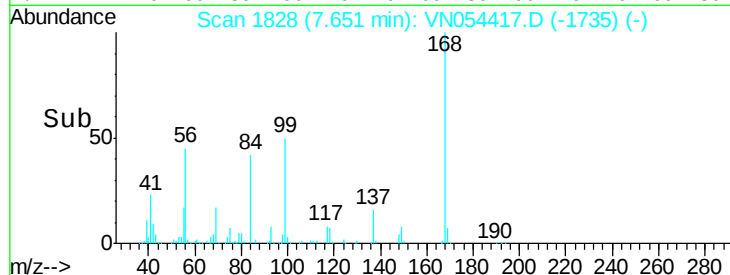
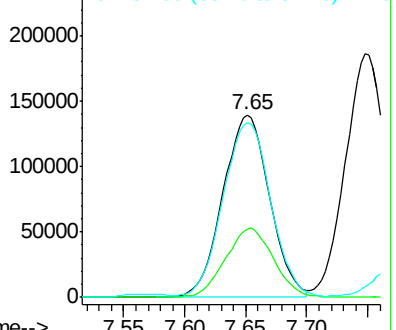
56 100

69 37.6 27.8 41.6

84 94.2 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.503 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

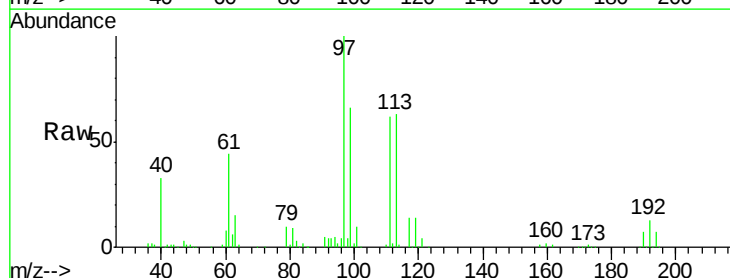
Tgt Ion: 97 Resp: 383128

Ion Ratio Lower Upper

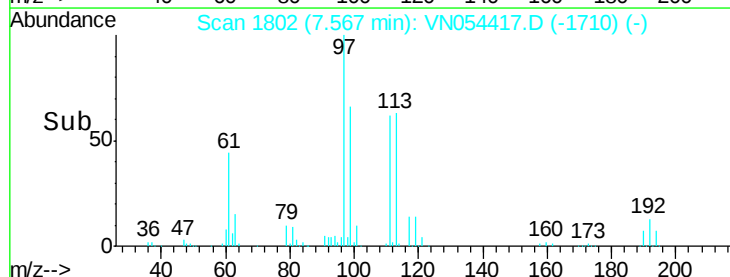
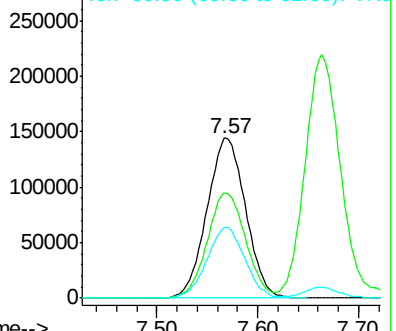
97 100

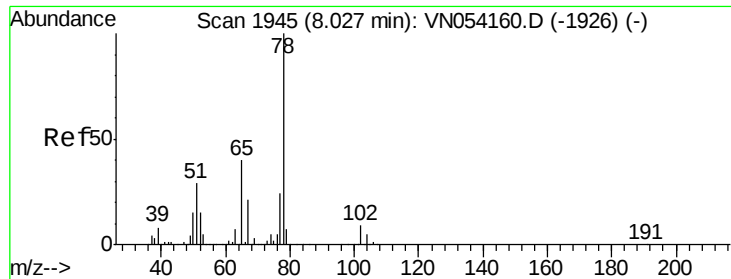
99 65.4 51.5 77.3

61 43.2 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.247 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

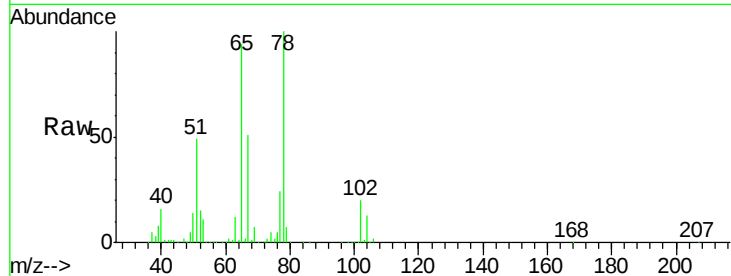
ClientSampleId :

Tot Ion: 65 Resp: 644089

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054417.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054417.D (-1852) (-)

8.03

250000

200000

150000

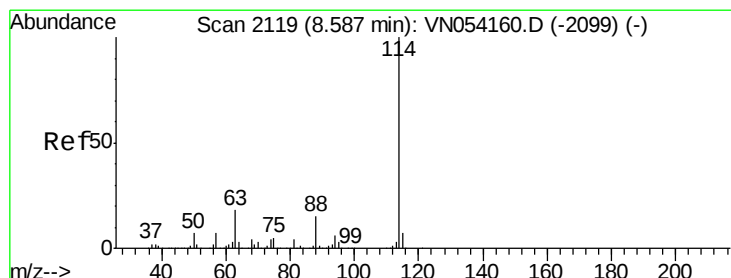
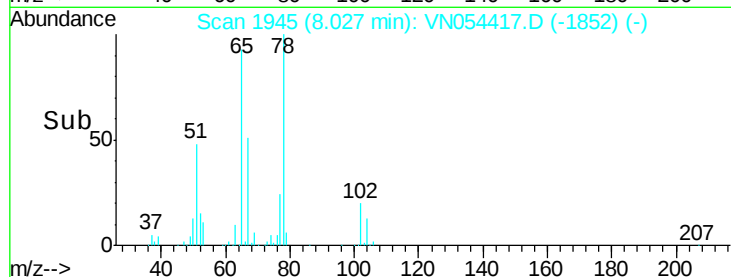
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion: 114 Resp: 1824846

Ion Ratio Lower Upper

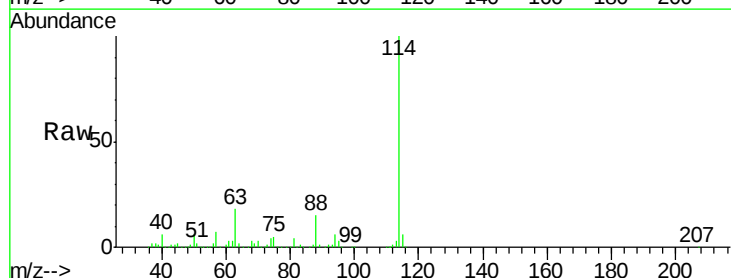
114 100

63 17.8

0.0 35.2

88 14.6

0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054417.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054417.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054417.D (-2026) (-)

8.59

1000000

800000

600000

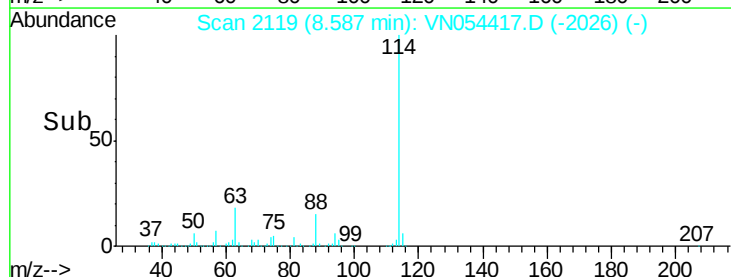
400000

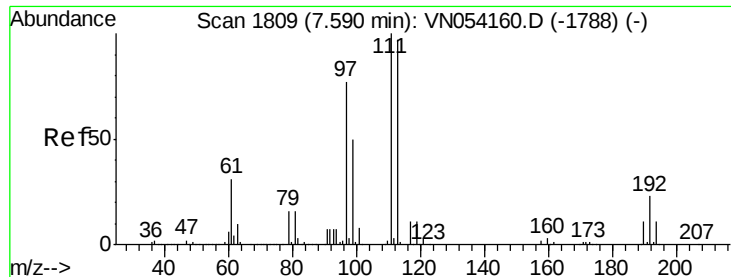
200000

0

8.50 8.60 8.70 8.80

Time-->

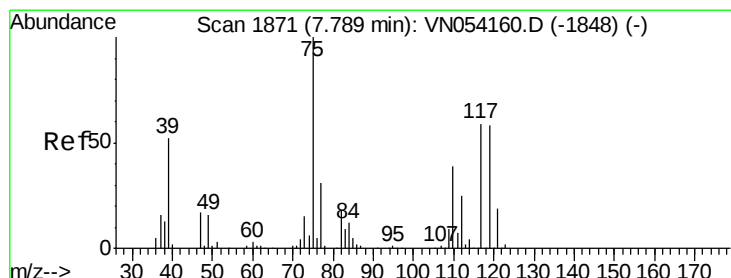
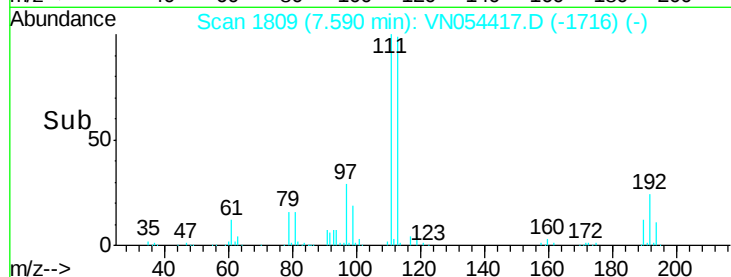
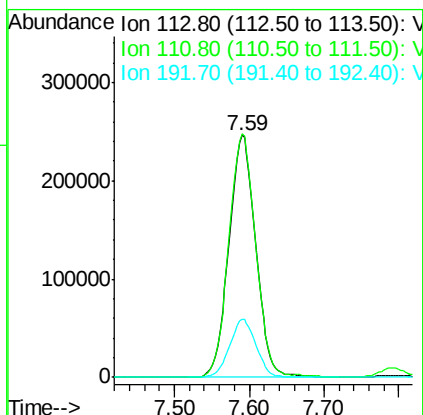
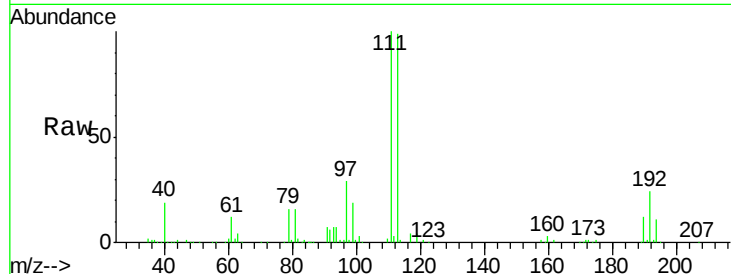




#35
 Dibromofluoromethane
 Concen: 52.118 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

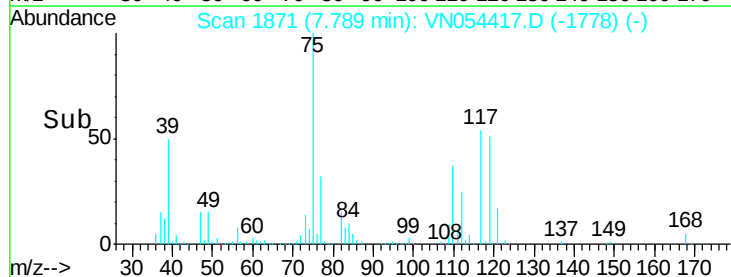
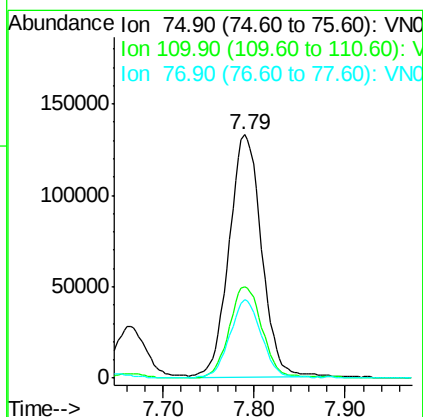
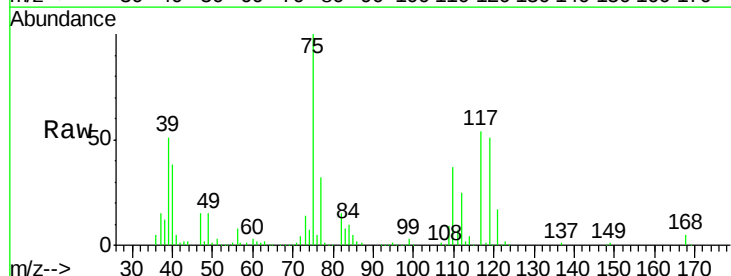
Instrument :
 MSVOA_N
 ClientSampleId :

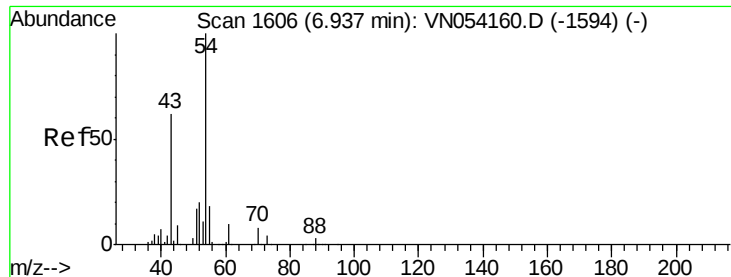
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.2	123.4
192	23.6	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.579 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.5
77	31.5	25.0	37.4

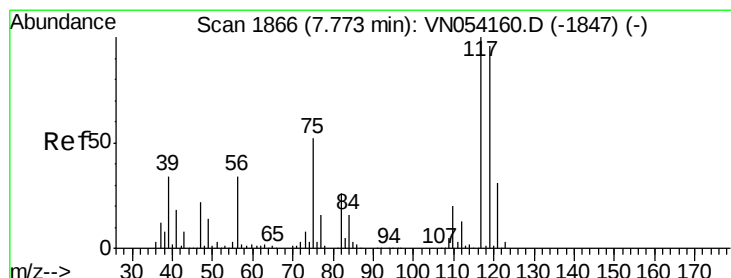
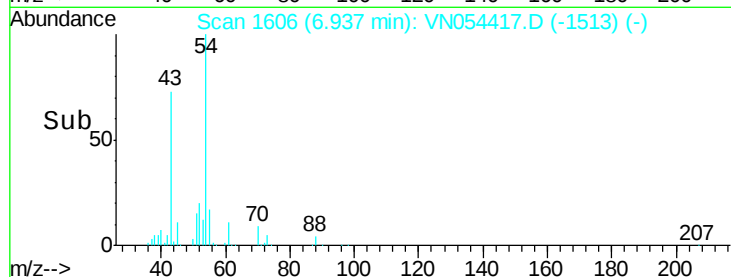
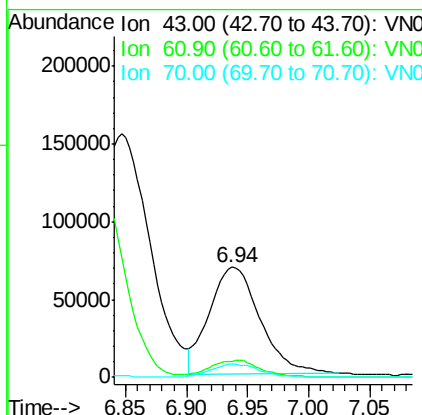
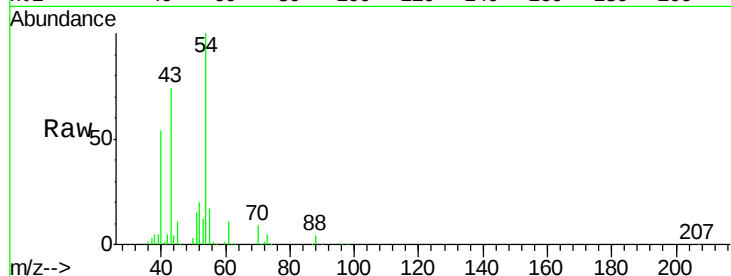




#37
Ethyl Acetate
Concen: 20.793 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

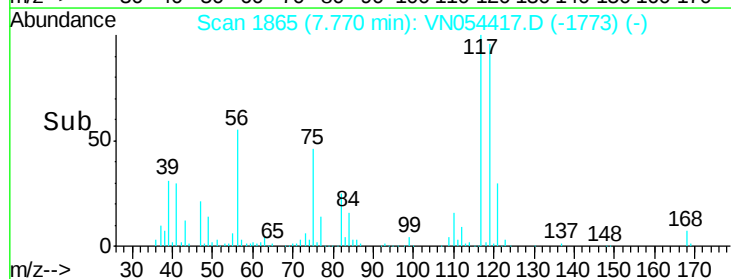
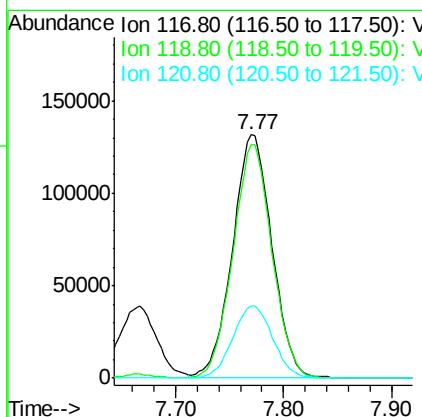
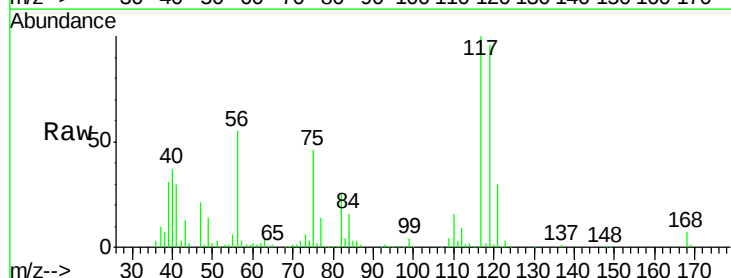
Instrument :
MSVOA_N
ClientSampleId :

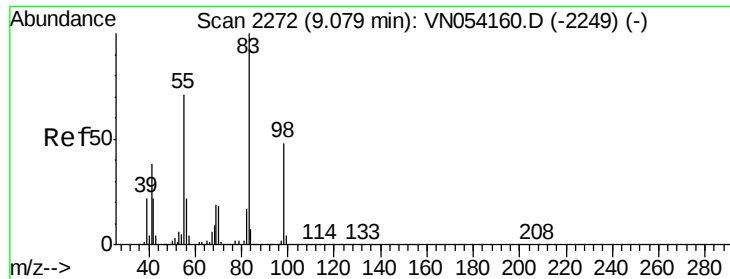
Tot Ion: 43 Resp: 200780
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 12.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.920 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 117 Resp: 333438
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 29.6 24.6 36.8

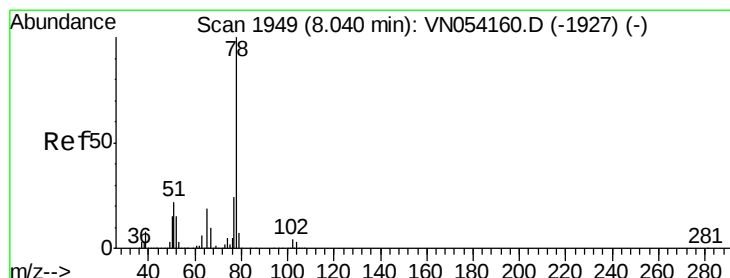
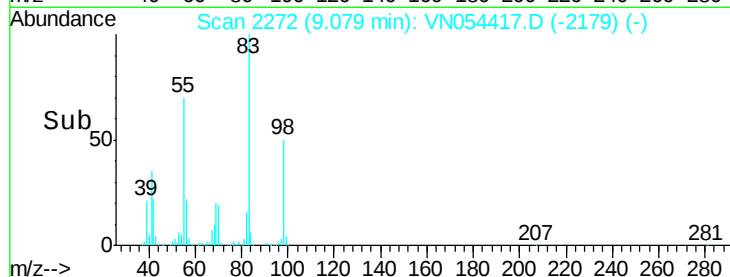
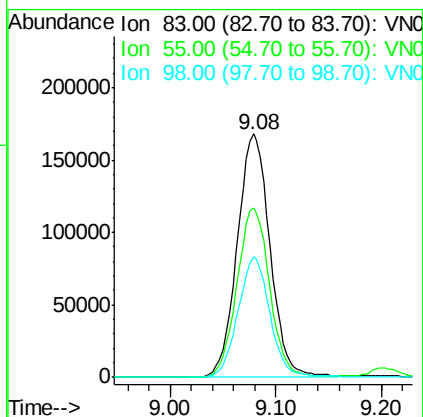
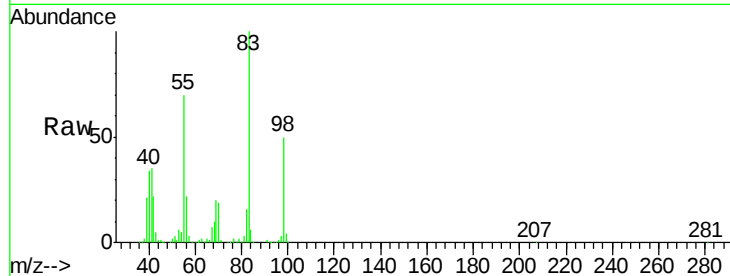




#39
Methvlcvclohexane
Concen: 17.578 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

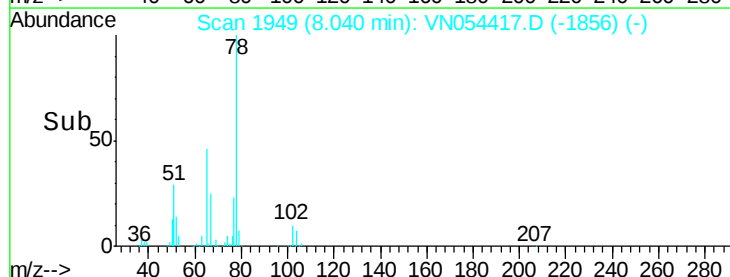
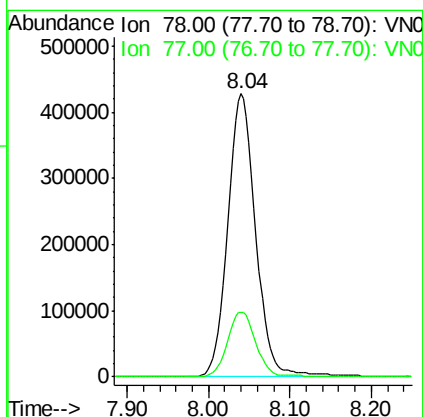
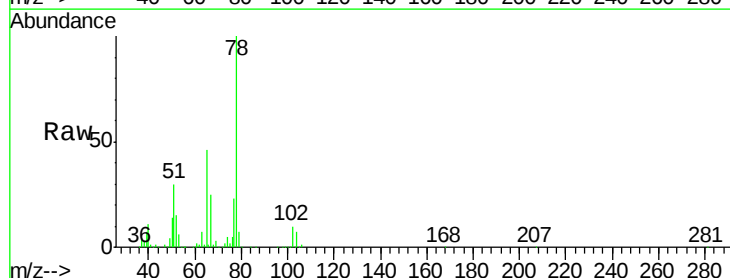
Instrument :
MSVOA_N
ClientSampled :

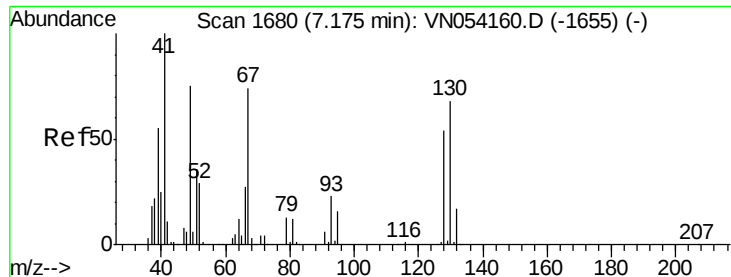
Tot Ion: 83 Resp: 363448
Ion Ratio Lower Upper
83 100
55 69.7 56.6 84.8
98 49.5 38.4 57.6



#40
Benzene
Concen: 21.370 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 78 Resp: 1027684
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7

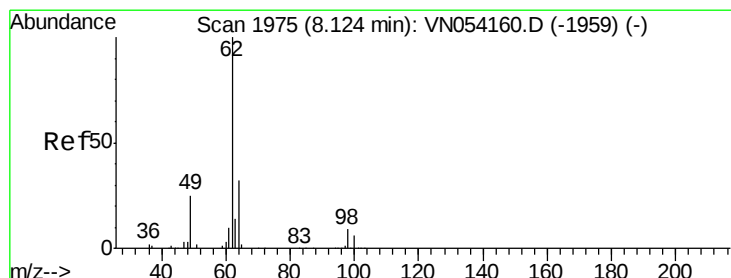
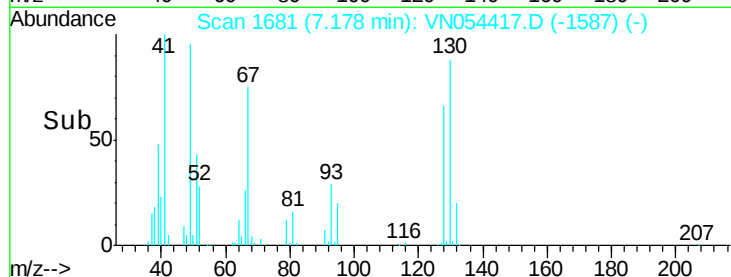
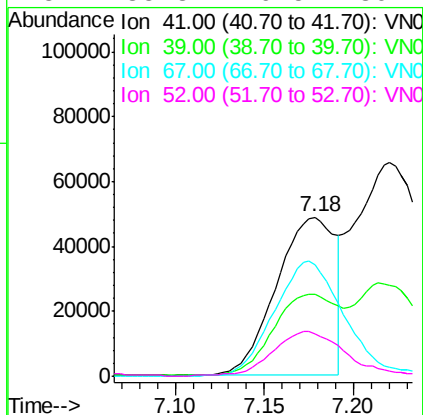
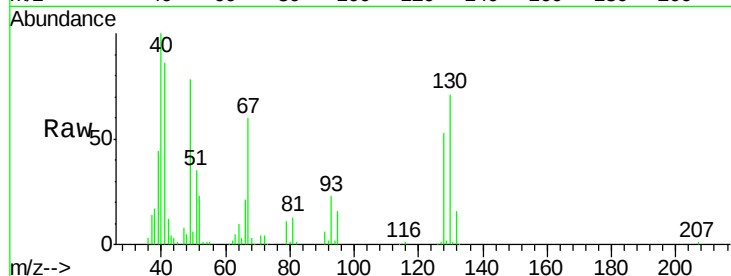




#41
Methacrylonitrile
Concen: 20.231 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

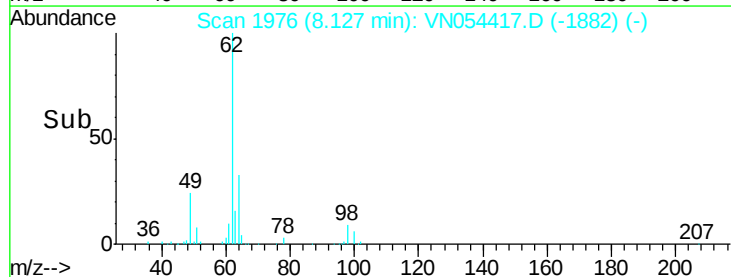
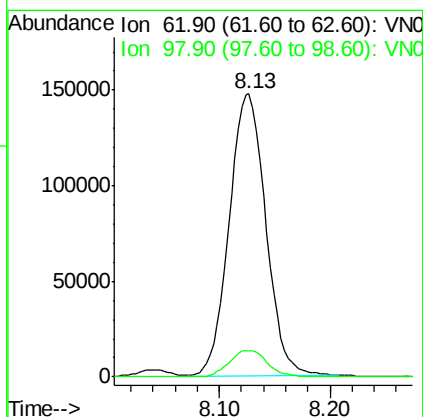
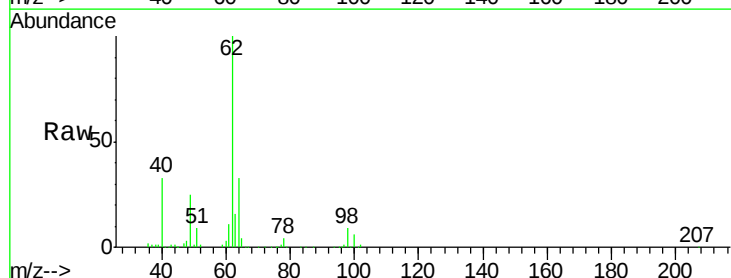
Instrument :
MSVOA_N
ClientSampled :

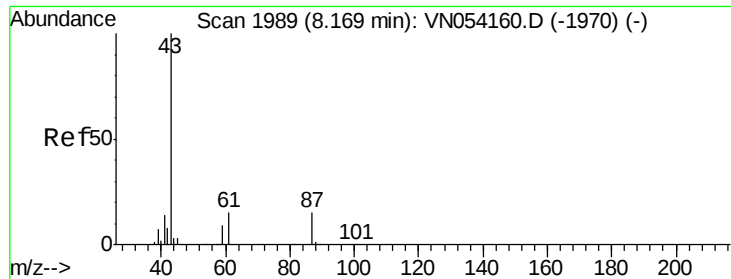
Tot Ion: 41 Resp: 111538
Ion Ratio Lower Upper
41 100
39 55.7 46.8 70.2
67 88.0 67.0 100.4
52 35.3 26.5 39.7



#42
1,2-Dichloroethane
Concen: 20.972 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 62 Resp: 340499
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.4



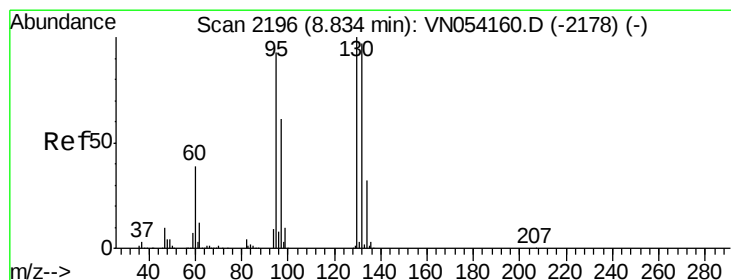
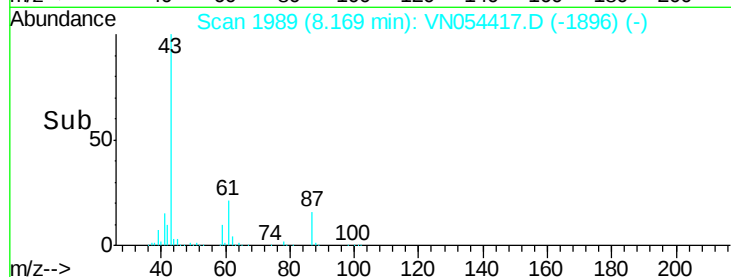
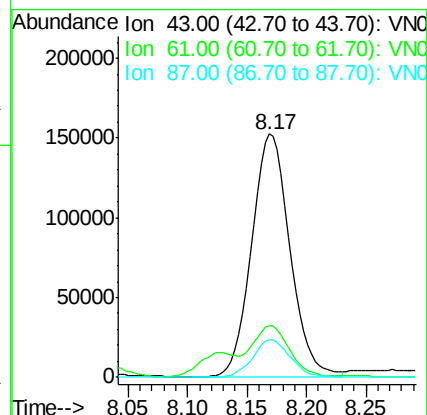
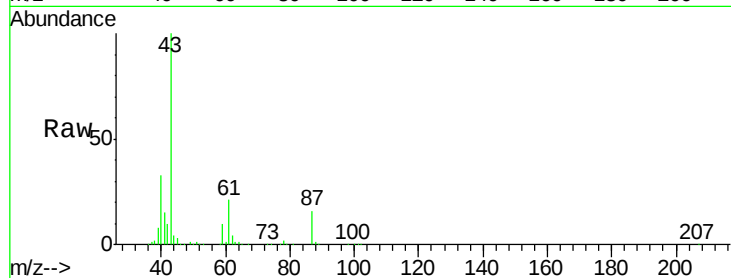


#43

Isopropyl Acetate
 Concen: 19.989 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Instrument :
 MSVOA_N
 ClientSampleId :

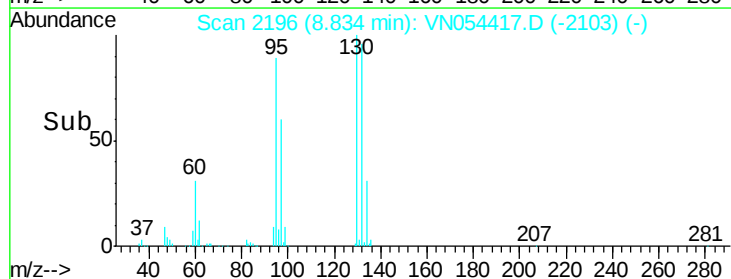
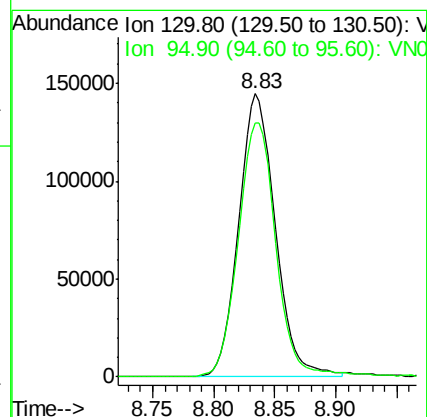
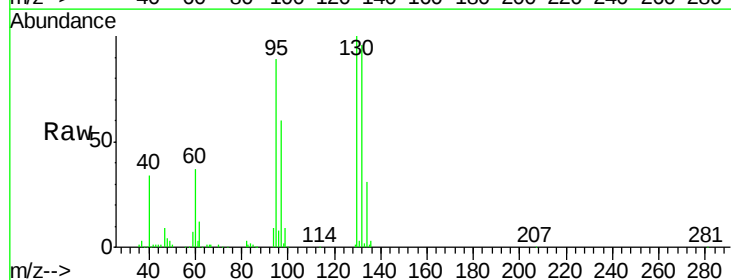
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.8
87	15.3	12.0	18.0

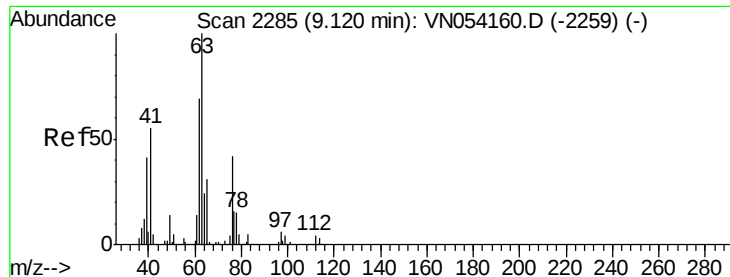


#44

Trichloroethene
 Concen: 20.121 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.519 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

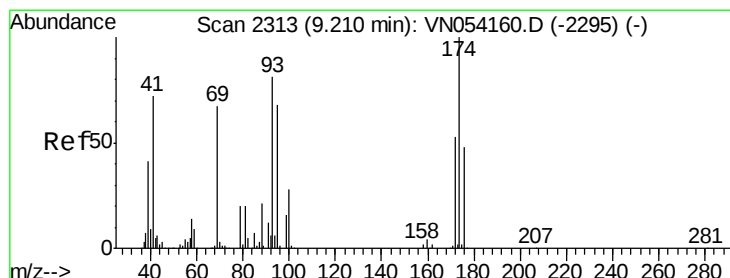
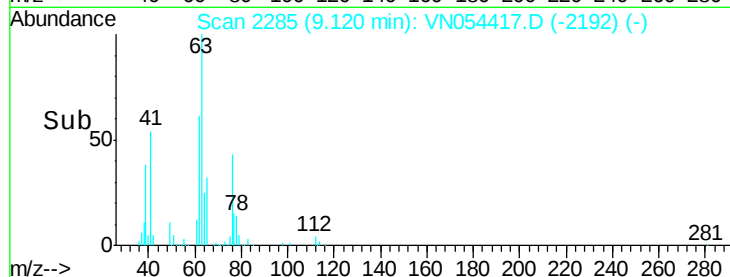
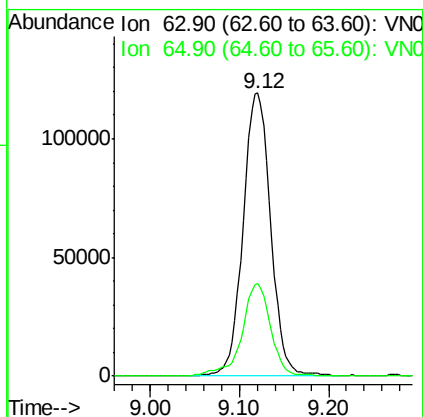
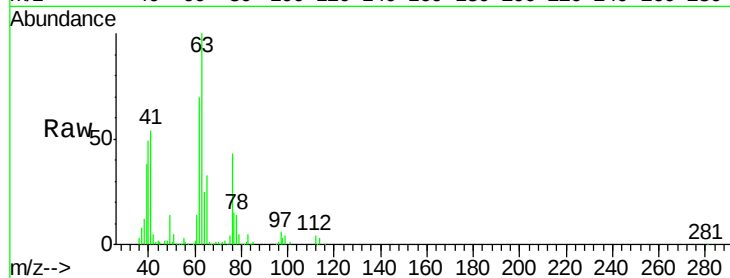
ClientSampleId :

Tot Ion: 63 Resp: 256963

Ion Ratio Lower Upper

63 100

65 32.6 25.0 37.6



#46

Dibromomethane

Concen: 21.001 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

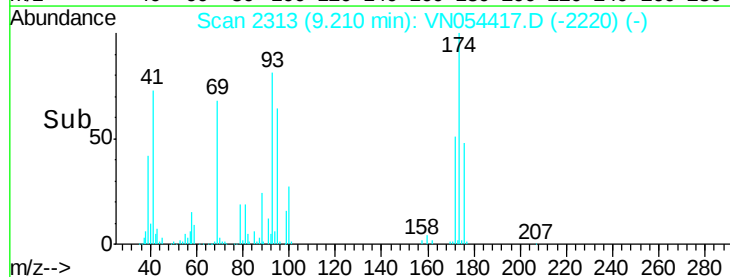
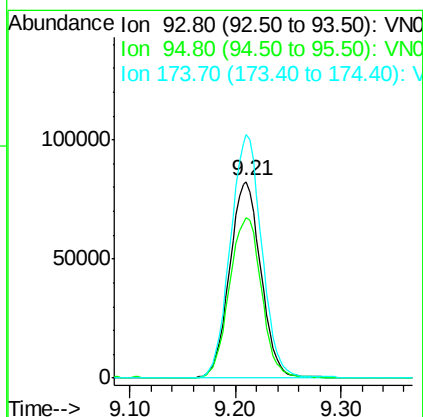
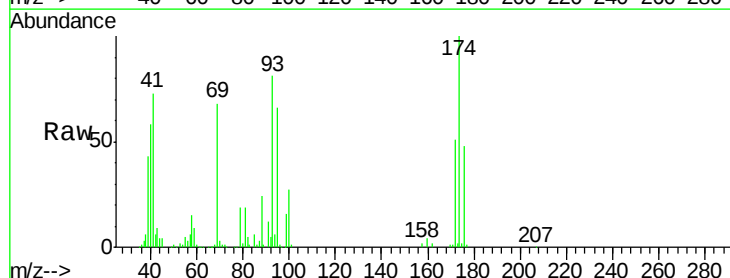
Tgt Ion: 93 Resp: 169442

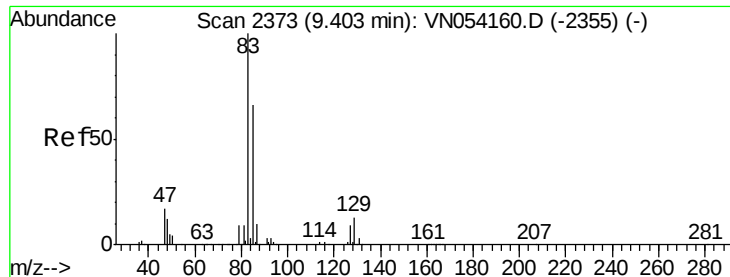
Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 124.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.511 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampleId :

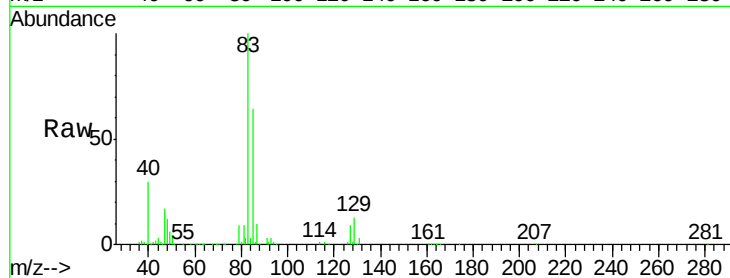
Tot Ion: 83 Resp: 331764

Ion Ratio Lower Upper

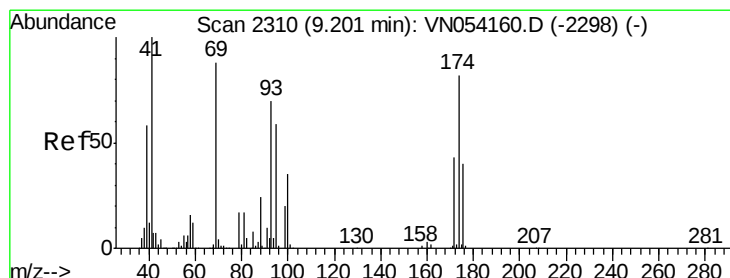
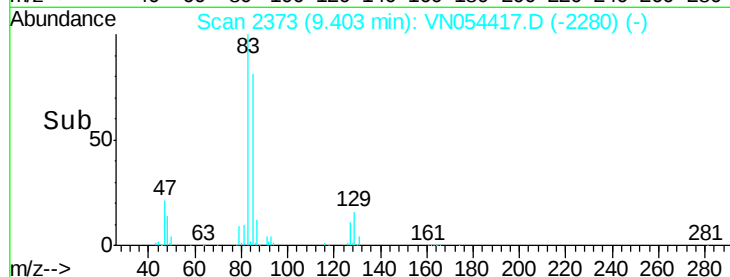
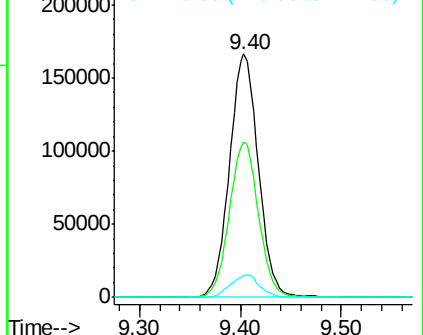
83 100

85 63.8 52.8 79.2

127 8.9 7.4 11.2



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



#48

Methyl methacrylate

Concen: 21.209 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

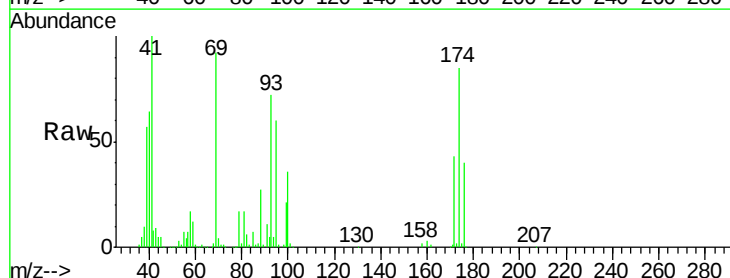
Tgt Ion: 41 Resp: 182428

Ion Ratio Lower Upper

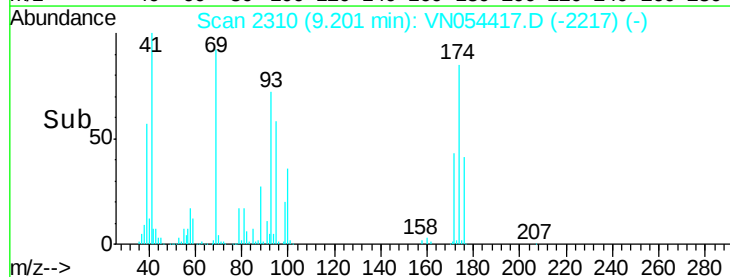
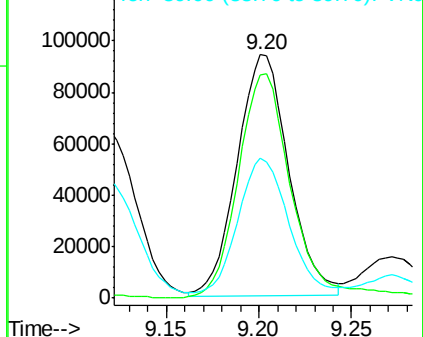
41 100

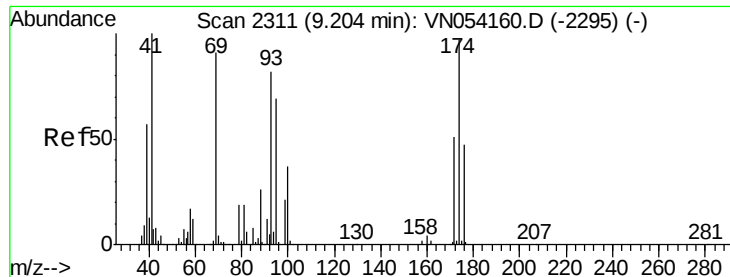
69 95.1 72.6 108.8

39 57.1 47.5 71.3



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





#49

1,4-Dioxane

Concen: 456.546 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampleId :

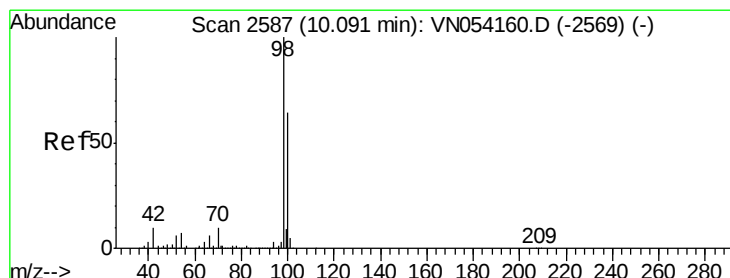
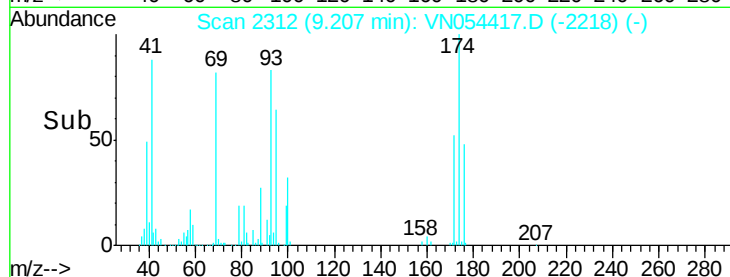
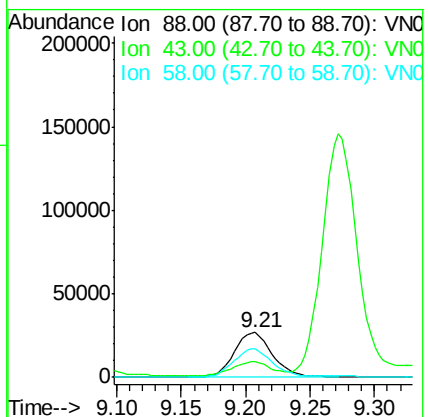
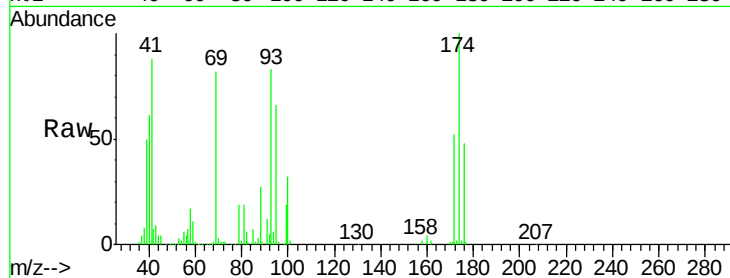
Tot Ion: 88 Resp: 55546

Ion Ratio Lower Upper

88 100

43 30.2 24.1 36.1

58 64.7 50.8 76.2



#50

Toluene-d8

Concen: 49.792 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054417.D

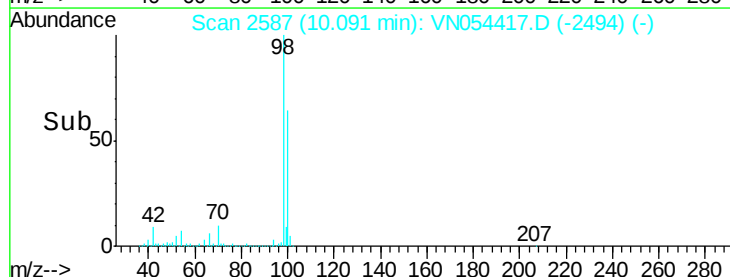
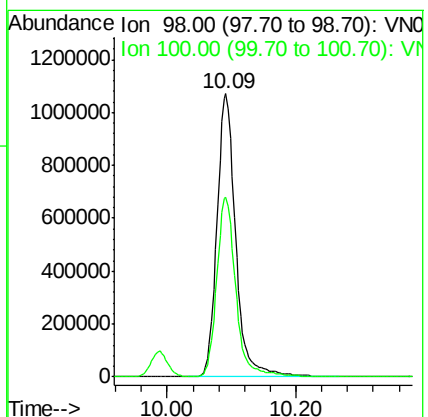
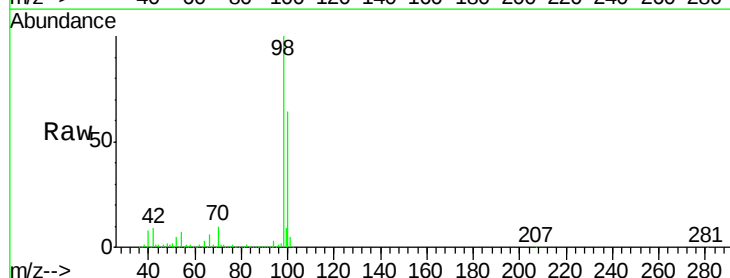
Acq: 19 Mar 2019 2:45

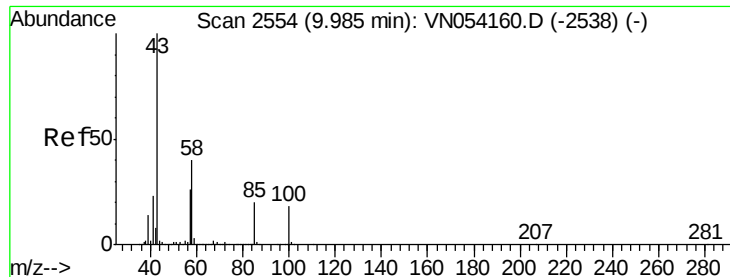
Tgt Ion: 98 Resp: 2164278

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 111.993 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

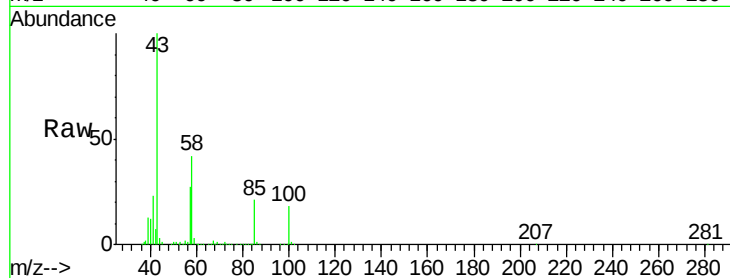
ClientSampled :

Tot Ion: 43 Resp: 1004533

Ion Ratio Lower Upper

43 100

58 41.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

600000

500000

400000

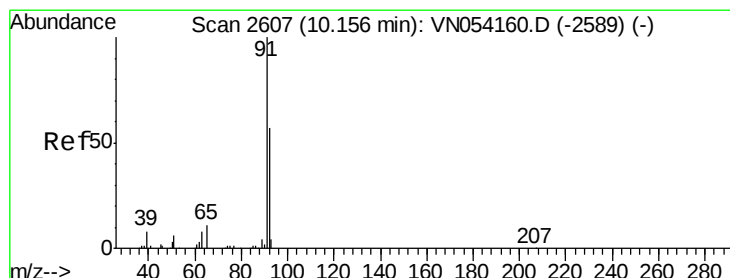
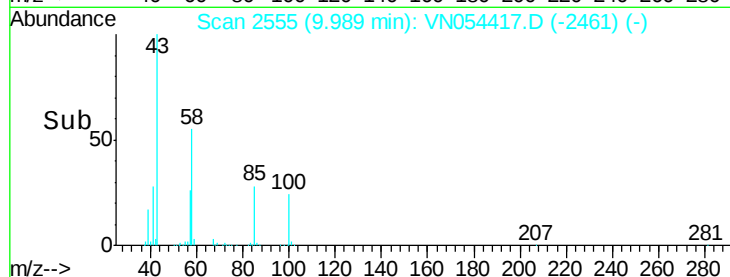
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.126 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054417.D

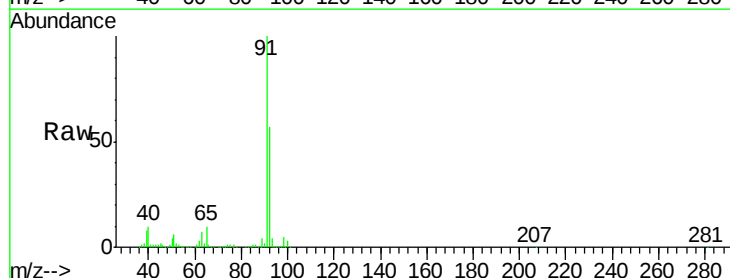
Acq: 19 Mar 2019 2:45

Tgt Ion: 92 Resp: 644170

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

10.16

600000

500000

400000

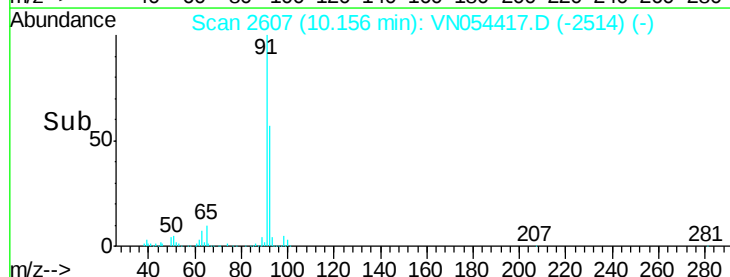
300000

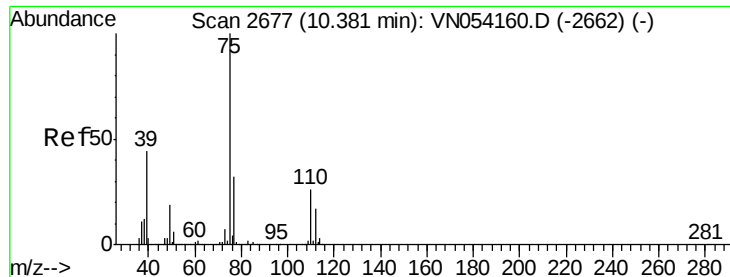
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.399 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

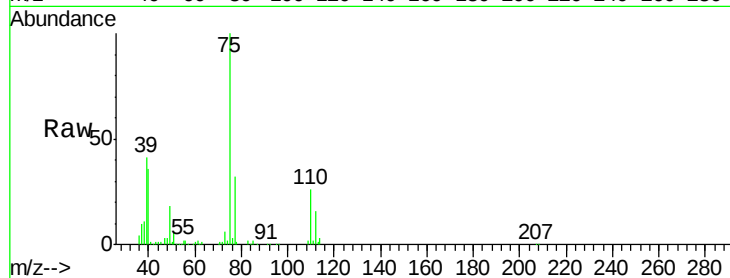
ClientSampleId :

Tot Ion: 75 Resp: 277667

Ion Ratio Lower Upper

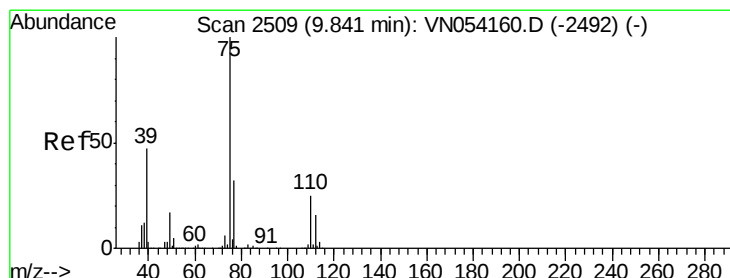
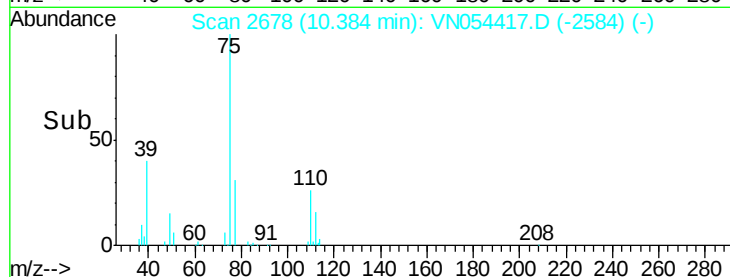
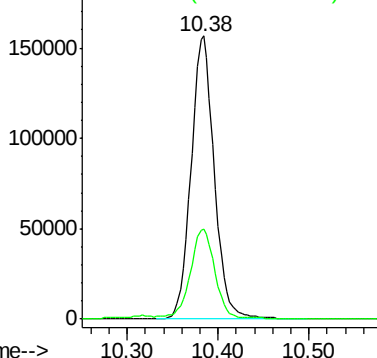
75 100

77 31.6 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: 18.352 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

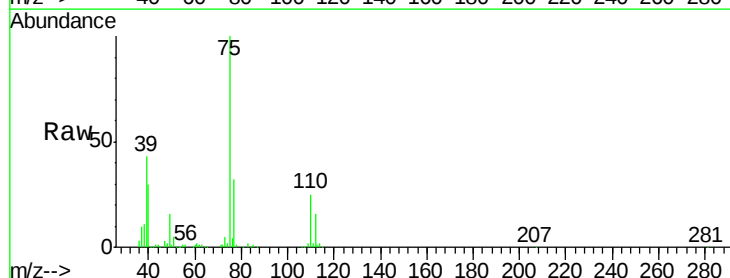
Tgt Ion: 75 Resp: 345908

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

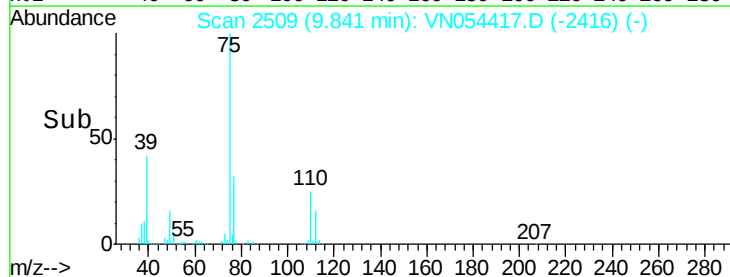
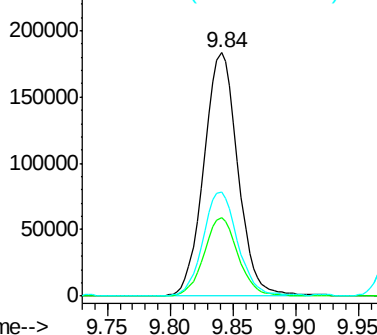
39 42.4 37.2 55.8

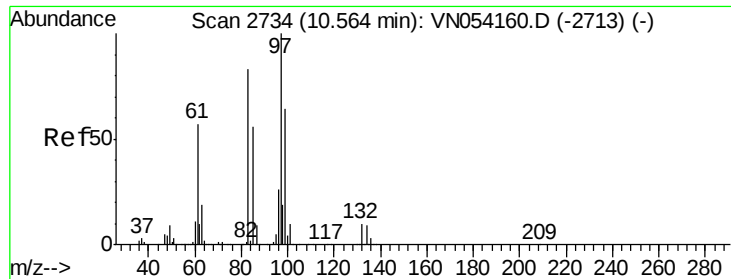


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

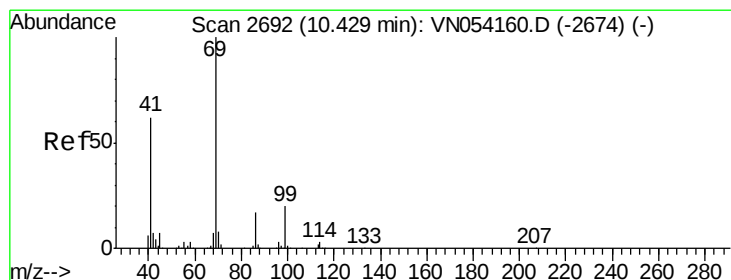
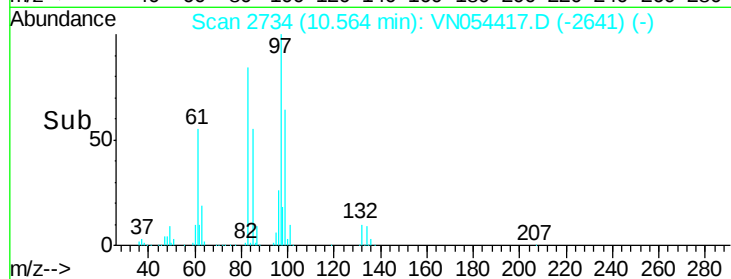
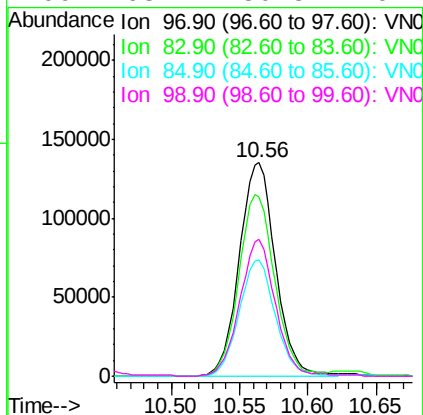
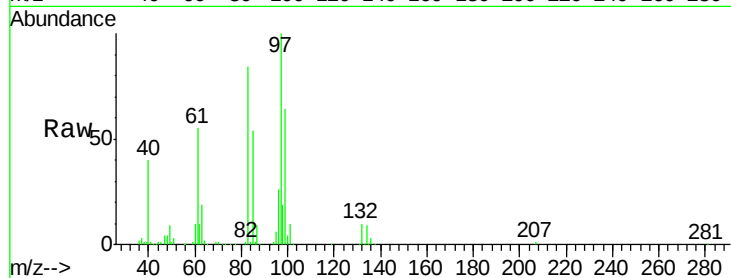




#55
 1,1,2-Trichloroethane
 Concen: 22.419 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

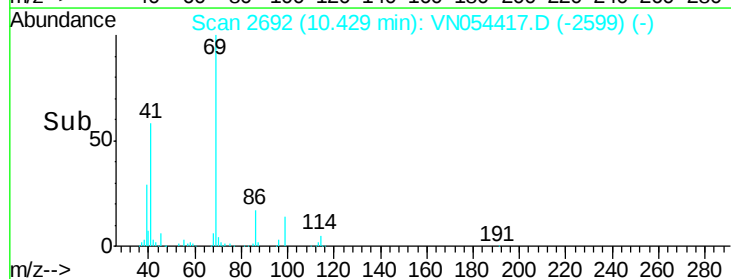
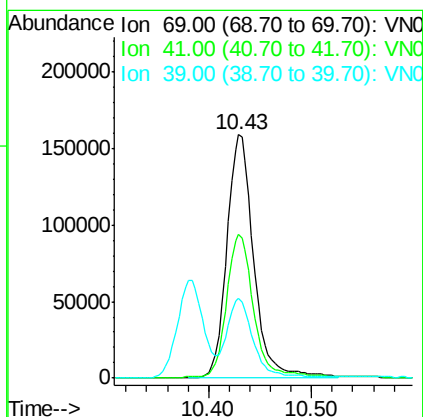
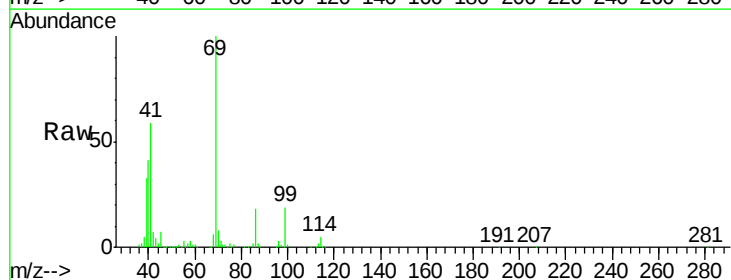
Instrument :
 MSVOA_N
 ClientSampleId :

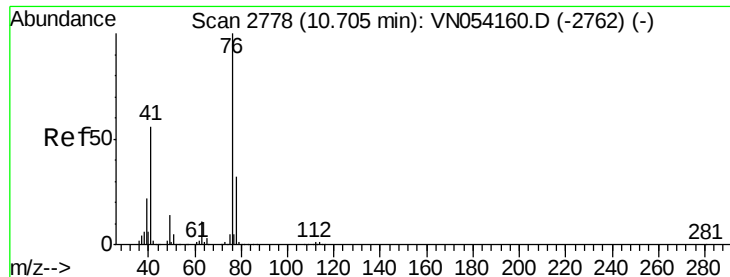
Tot Ion:	97	Resp:	249607
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	54.5	44.4	66.6
99	63.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 21.810 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion:	69	Resp:	289550
Ion	Ratio	Lower	Upper
69	100		
41	59.6	49.4	74.2
39	31.1	28.3	42.5

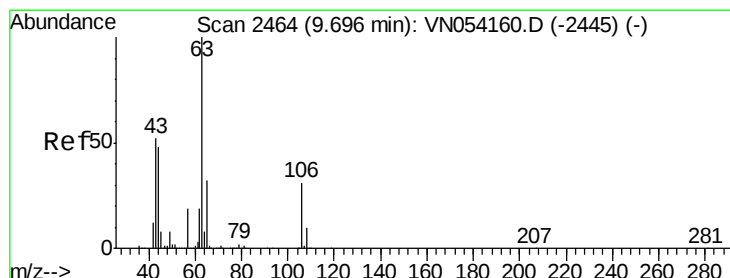
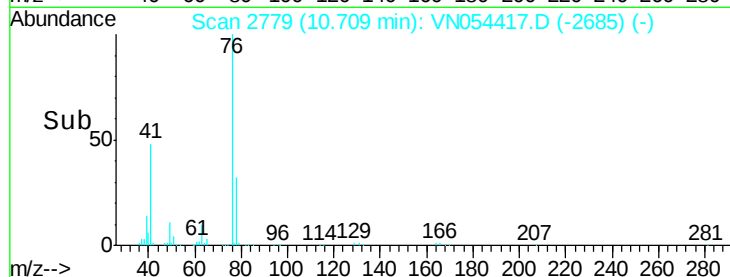
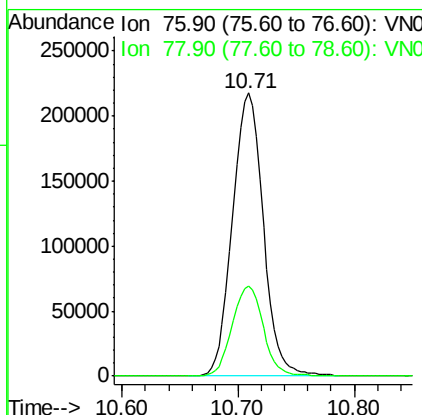
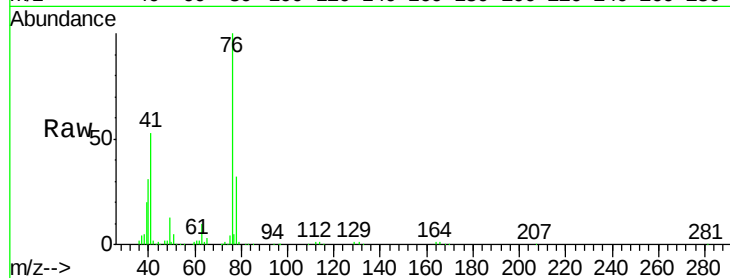




#57
 1,3-Dichloropropane
 Concen: 21.978 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

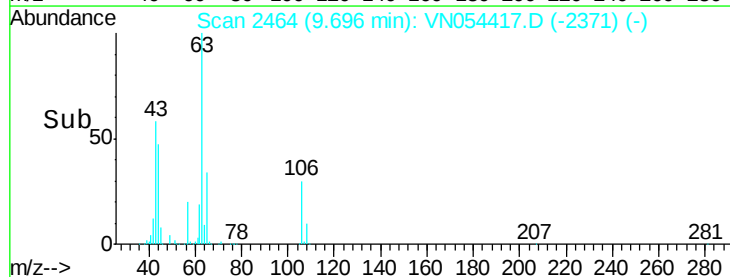
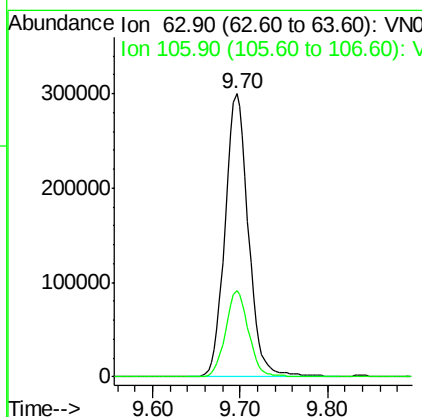
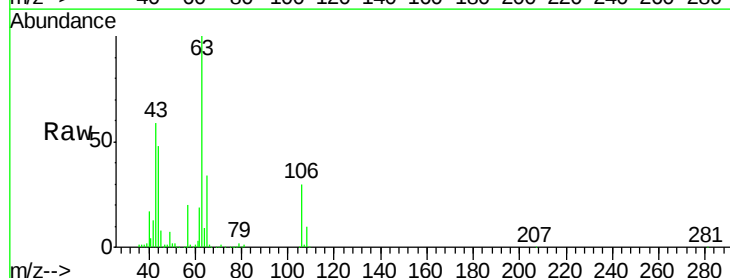
Instrument :
 MSVOA_N
 ClientSampleId :

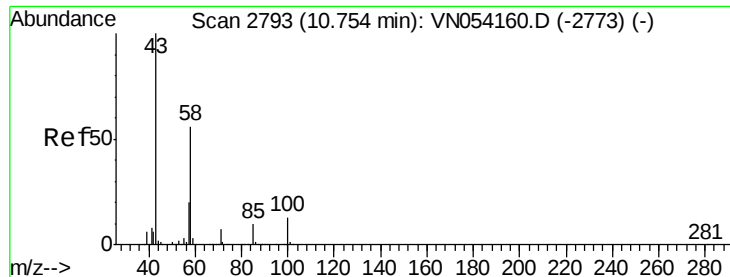
Tot Ion: 76 Resp: 400125
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.068 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion: 63 Resp: 557257
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.4 36.6

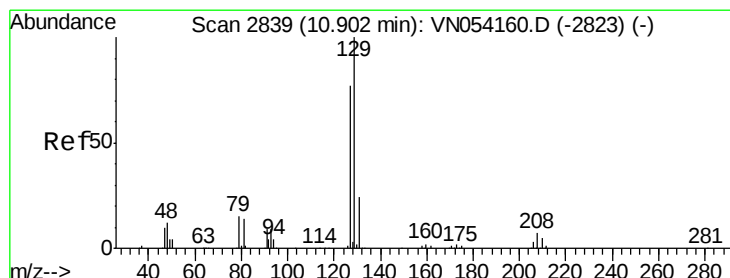
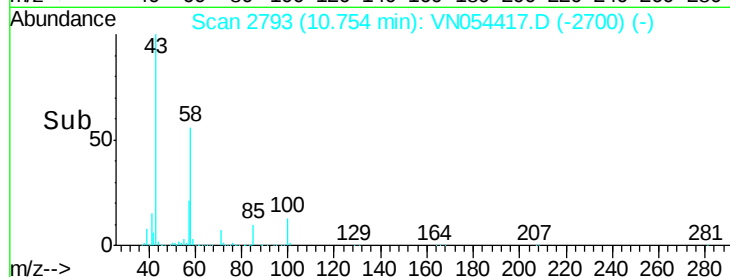
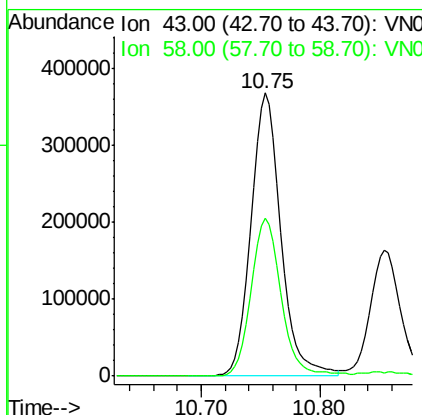
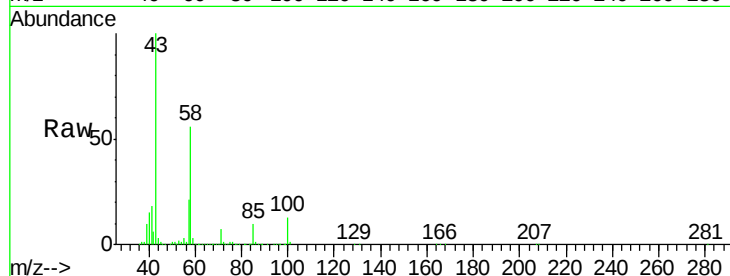




#59
2-Hexanone
Concen: 106.700 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

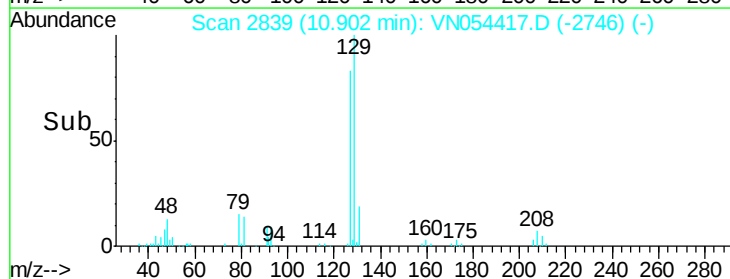
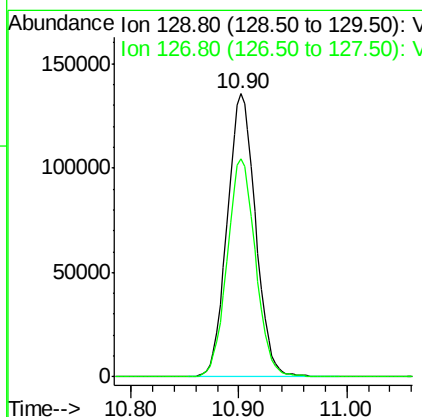
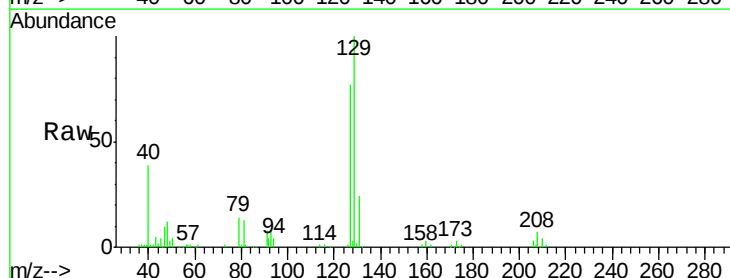
Instrument :
MSVOA_N
ClientSampled :

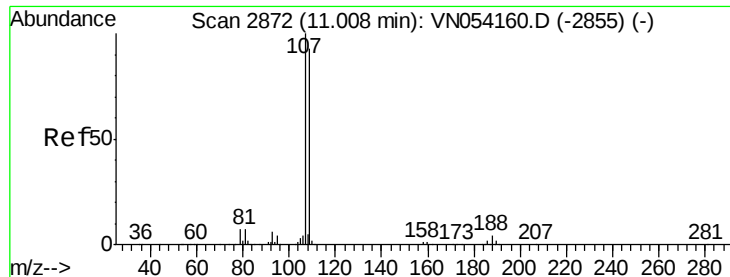
Tot Ion: 43 Resp: 636821
Ion Ratio Lower Upper
43 100
58 56.7 28.0 83.9



#60
Dibromochloromethane
Concen: 19.836 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 129 Resp: 248587
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

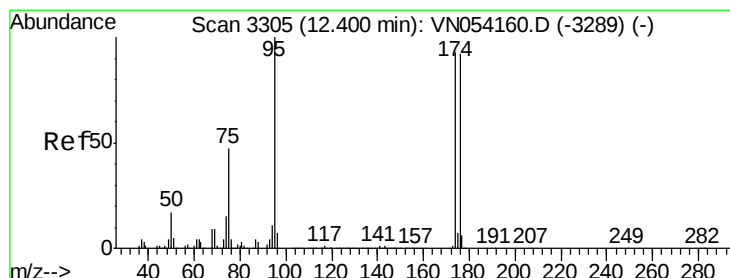
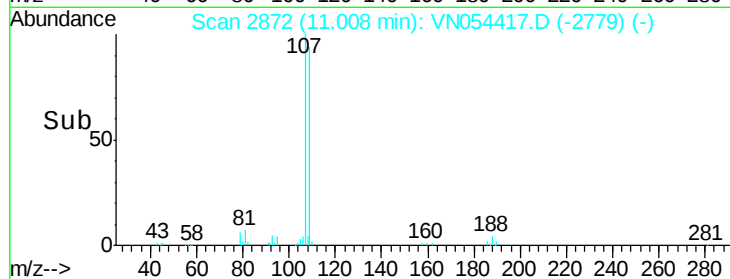
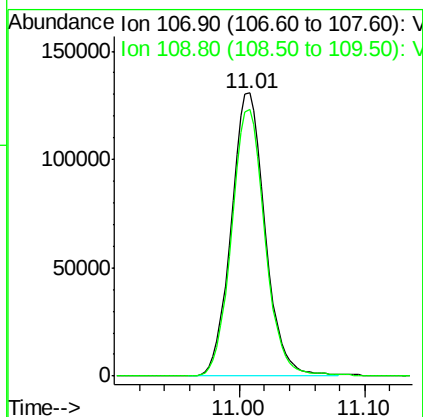
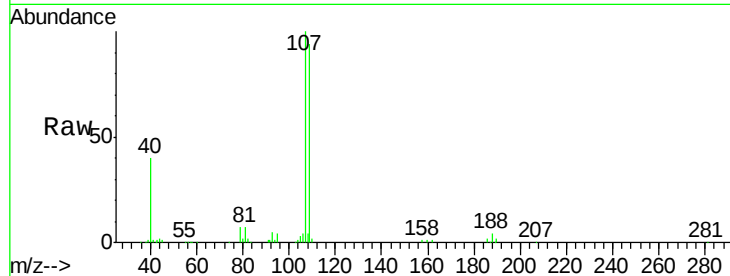




#61
 1,2-Dibromoethane
 Concen: 21.658 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

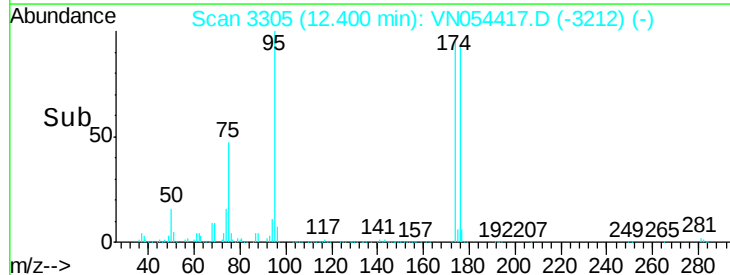
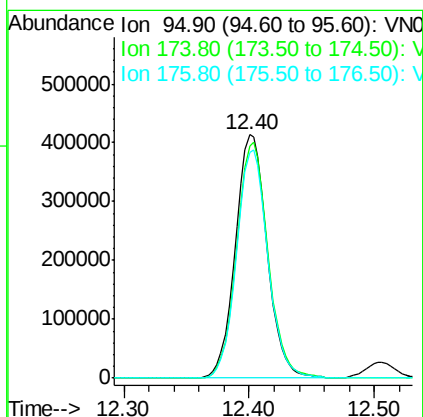
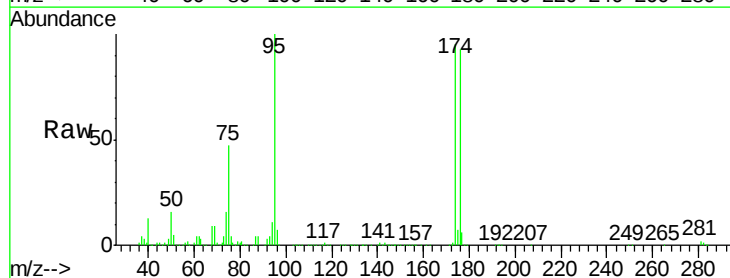
Instrument :
 MSVOA_N
 ClientSampleId :

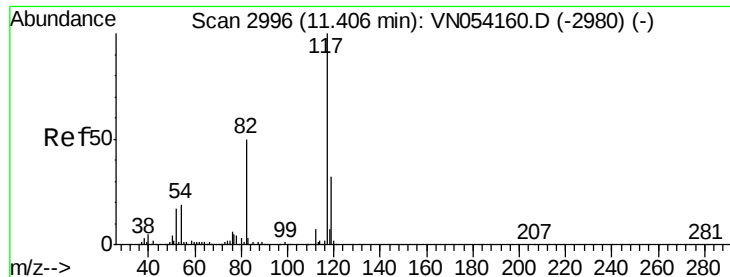
Tot Ion: 107 Resp: 245049
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.781 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion: 95 Resp: 726706
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 191.0
 176 92.8 0.0 187.4

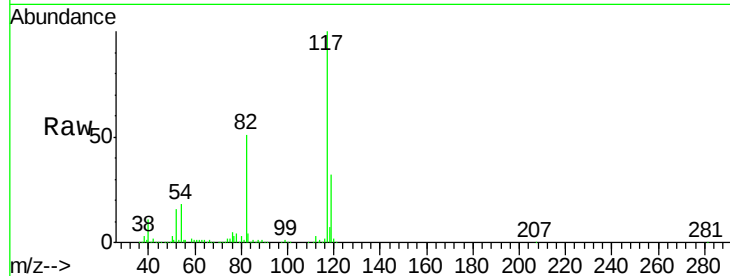




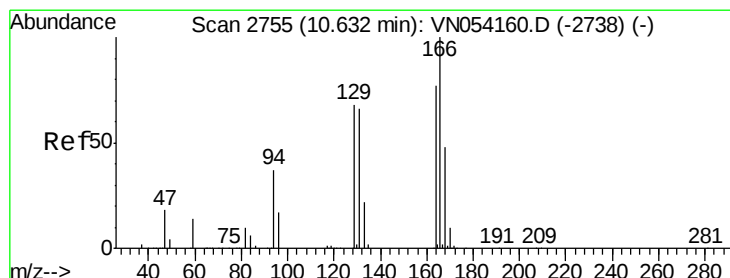
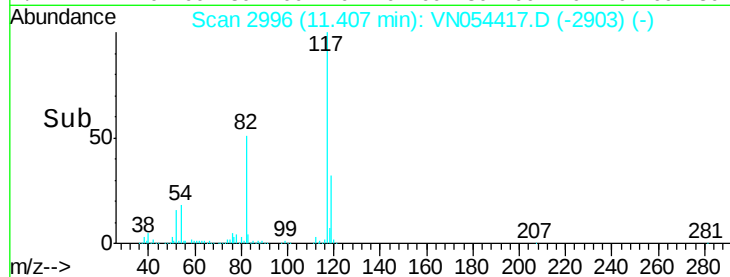
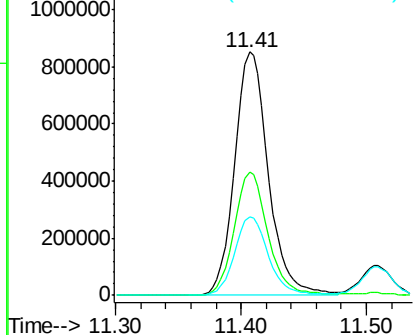
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1592255
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.2 25.8 38.6

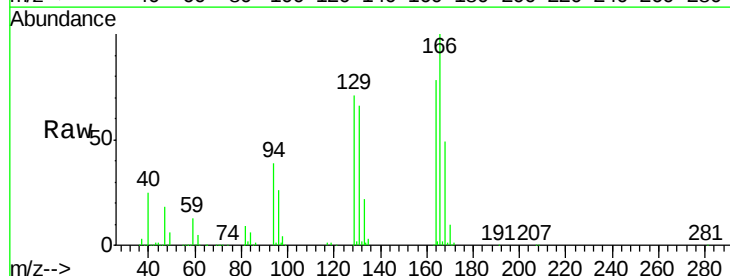


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

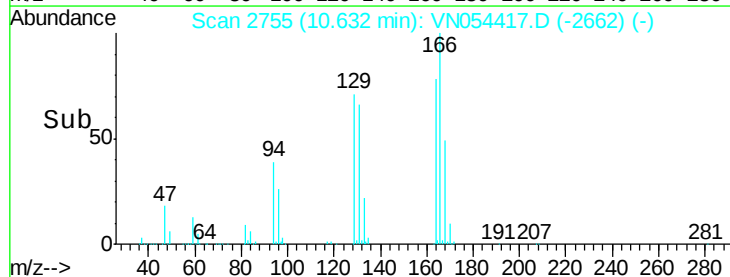
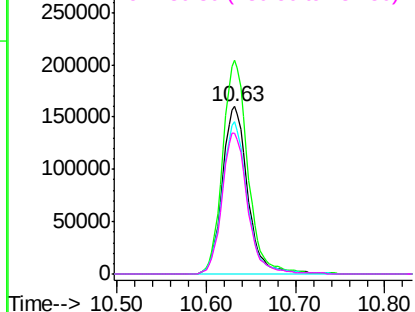


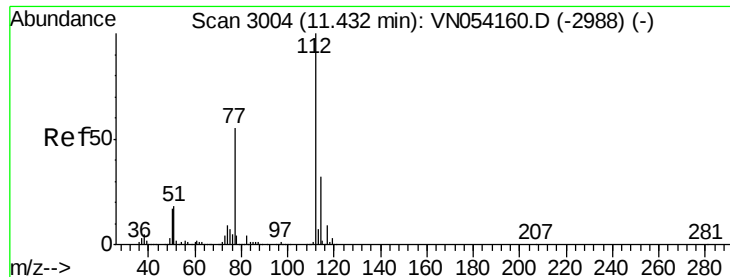
#64
Tetrachloroethene
Concen: 20.458 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion:164 Resp: 314939
Ion Ratio Lower Upper
164 100
166 127.6 103.9 155.9
129 90.8 71.1 106.7
131 84.4 68.2 102.4



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

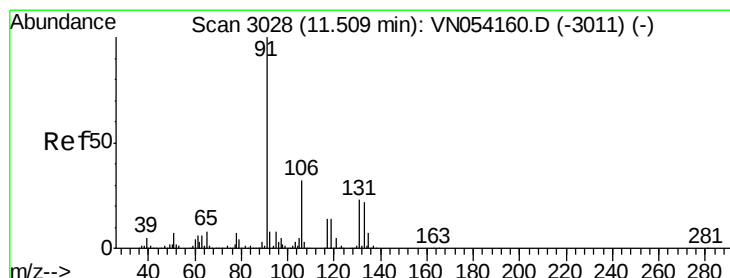
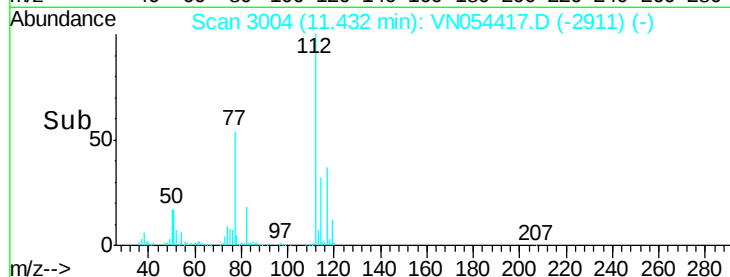
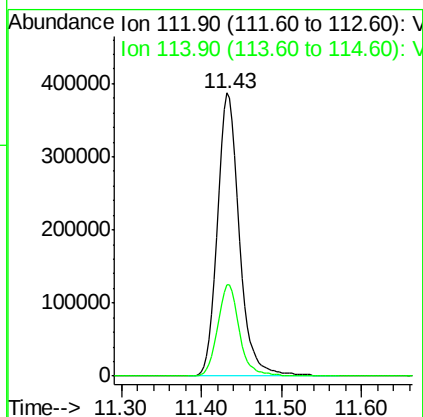
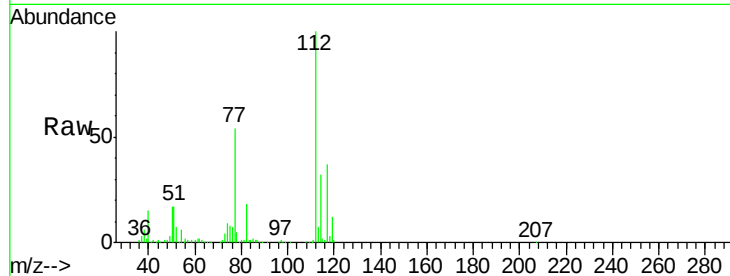




#65
Chlorobenzene
Concen: 21.106 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

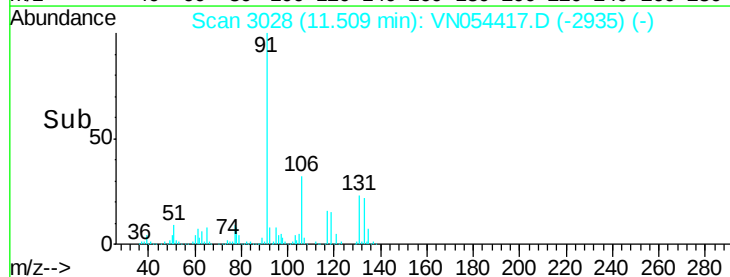
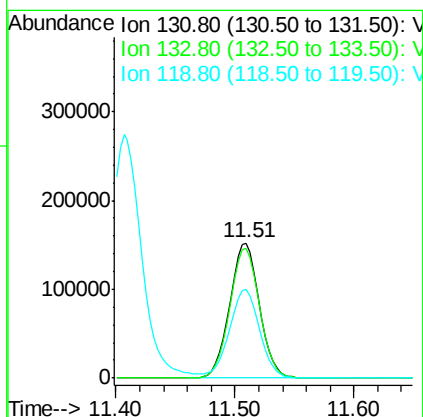
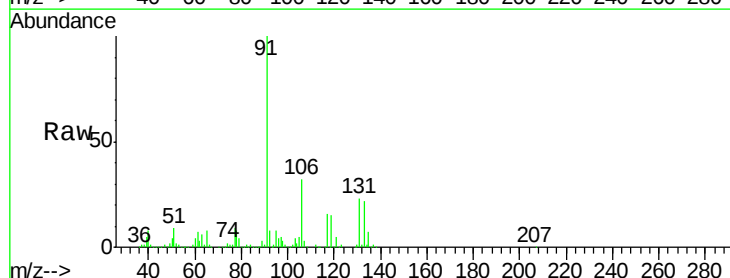
Instrument :
MSVOA_N
ClientSampleId :

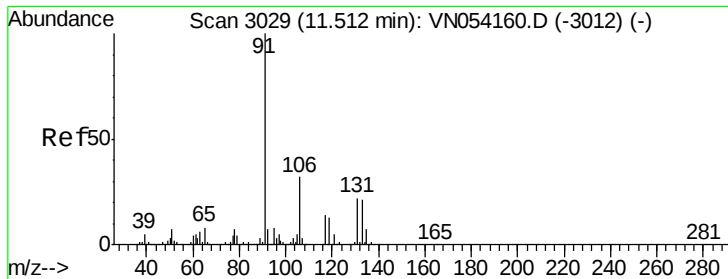
Tot Ion:112 Resp: 737884
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.713 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion:131 Resp: 263068
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 67.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.508 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

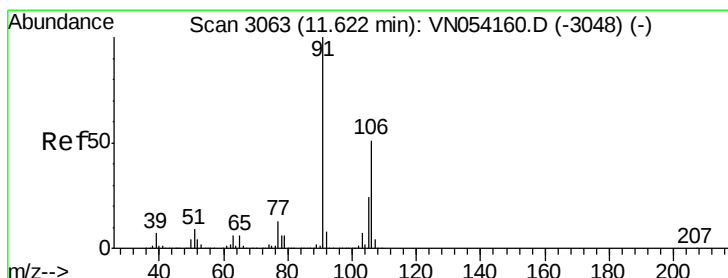
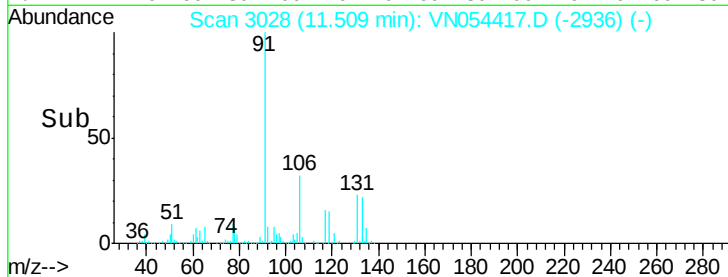
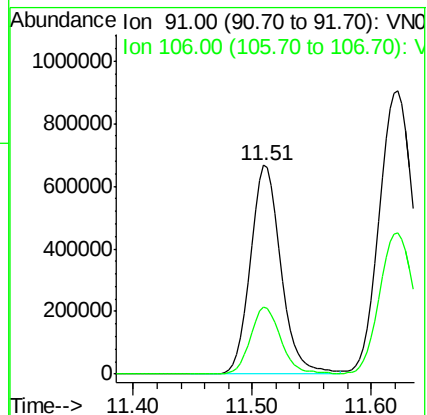
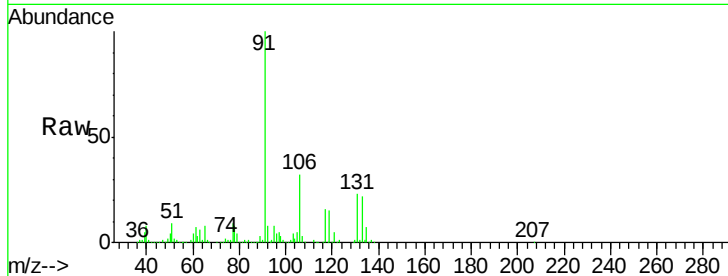
ClientSampled :

Tot Ion: 91 Resp: 1188550

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 41.120 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054417.D

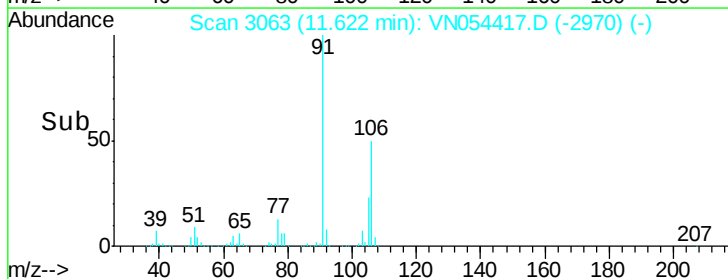
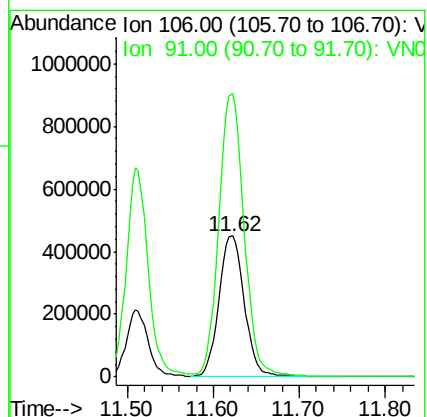
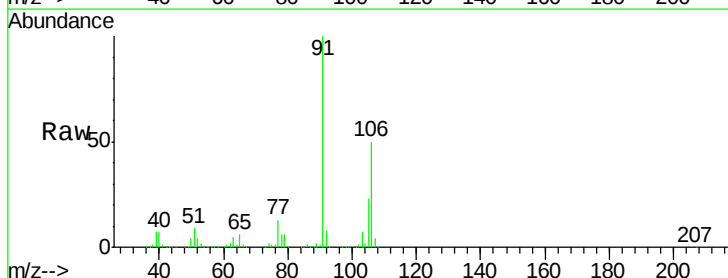
Acq: 19 Mar 2019 2:45

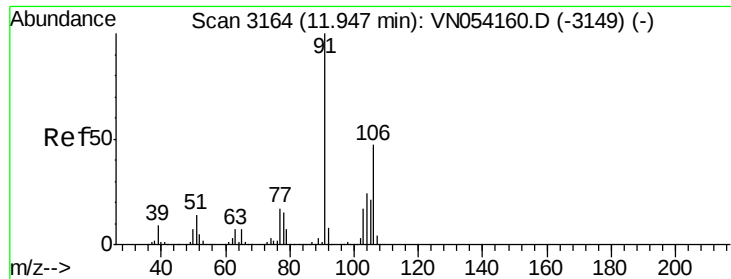
Tgt Ion: 106 Resp: 931431

Ion Ratio Lower Upper

106 100

91 199.8 159.4 239.2

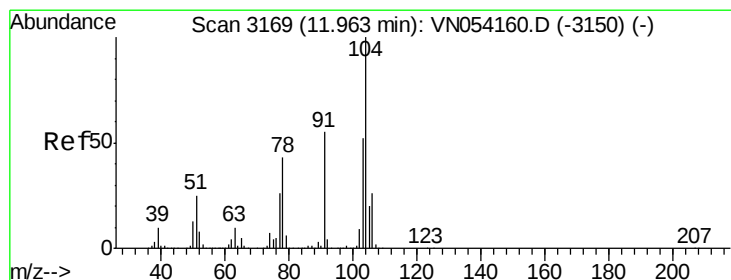
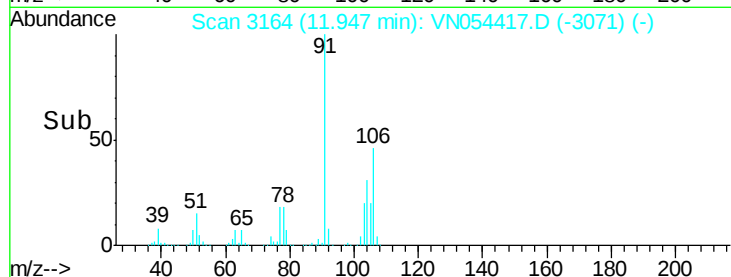
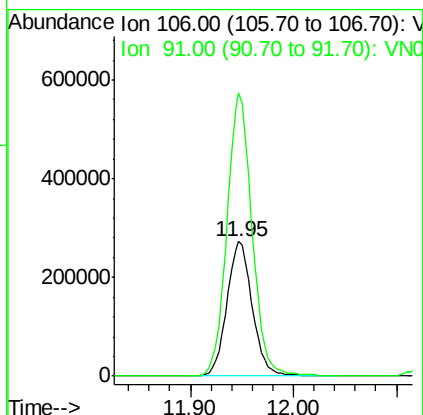
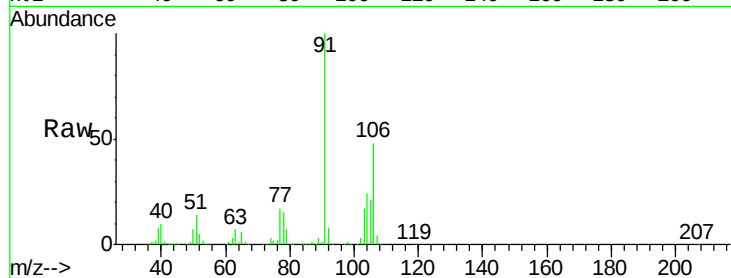




#69
o-Xylene
Concen: 21.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

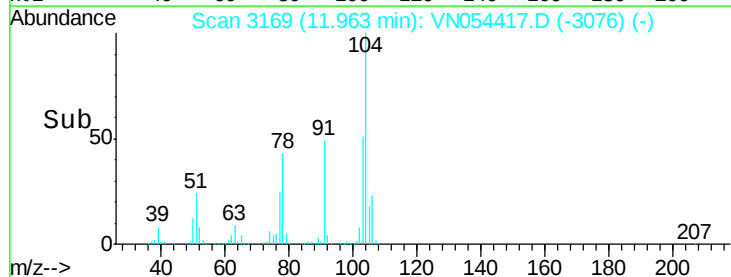
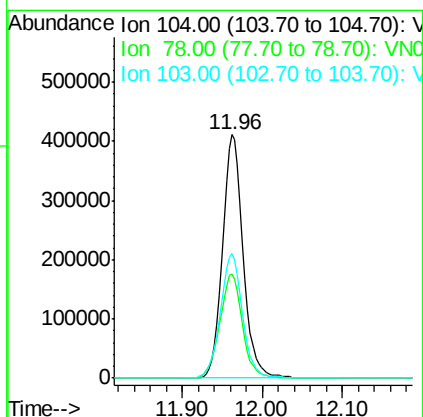
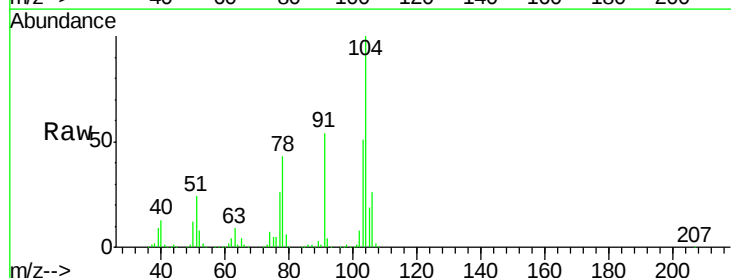
Instrument :
MSVOA_N
ClientSampled :

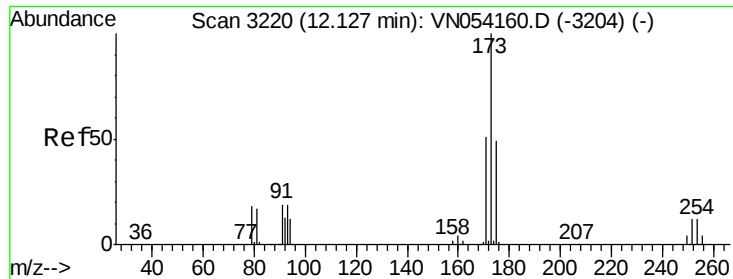
Tot Ion:106 Resp: 467141
Ion Ratio Lower Upper
106 100
91 207.8 105.7 317.1



#70
Styrene
Concen: 21.117 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion:104 Resp: 731292
Ion Ratio Lower Upper
104 100
78 47.0 38.2 57.2
103 55.3 44.4 66.6

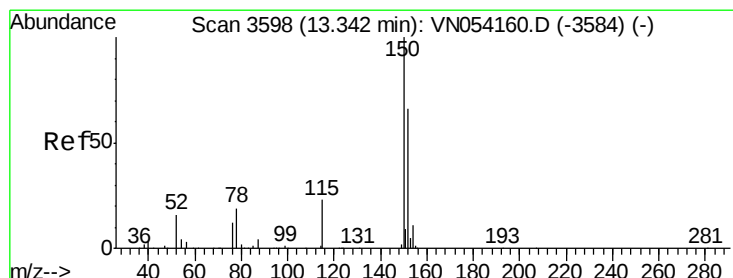
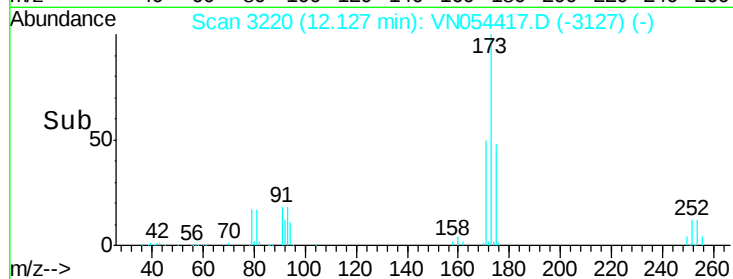
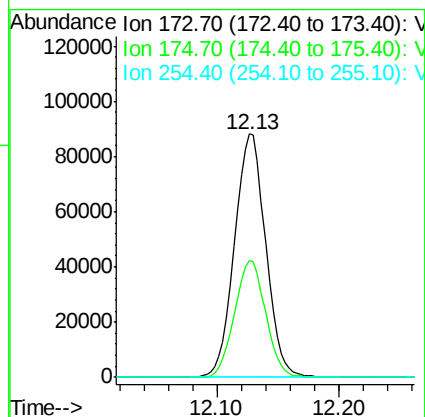
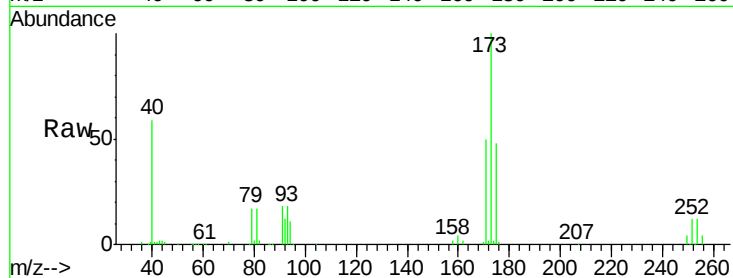




#71
Bromoform
Concen: 17.758 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

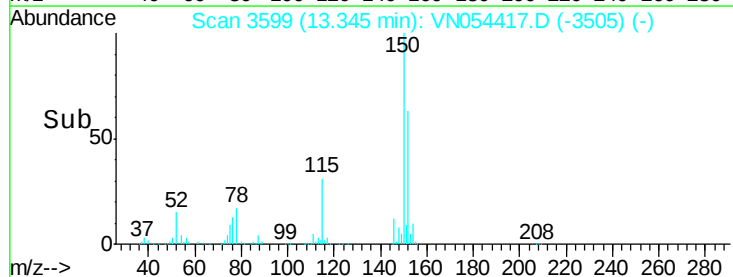
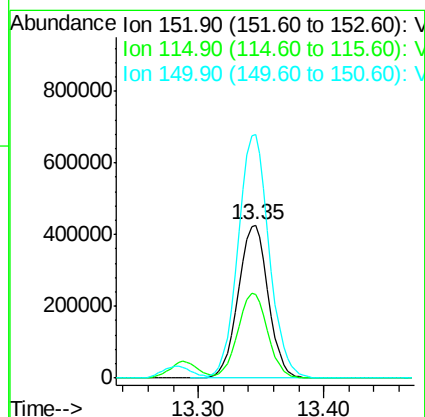
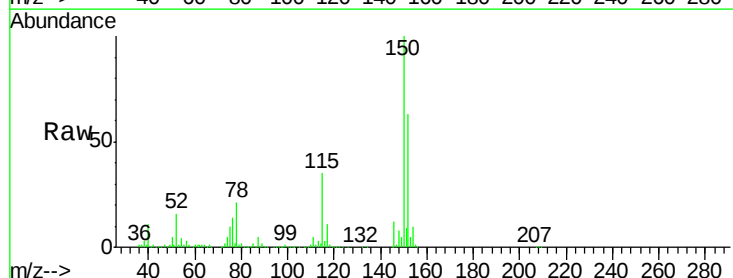
Instrument :
MSVOA_N
ClientSampled :

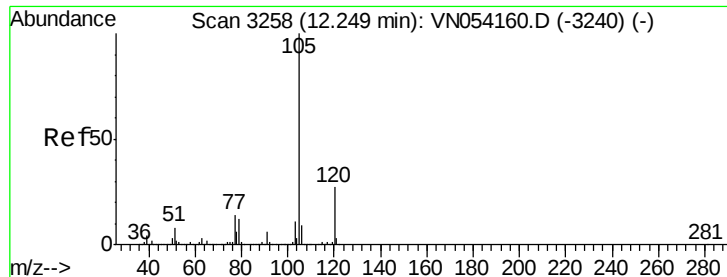
Tot Ion:173 Resp: 156528
Ion Ratio Lower Upper
173 100
175 48.0 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion:152 Resp: 706490
Ion Ratio Lower Upper
152 100
115 55.5 27.2 81.6
150 165.4 0.0 349.2





#73

Isopropylbenzene

Concen: 21.401 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

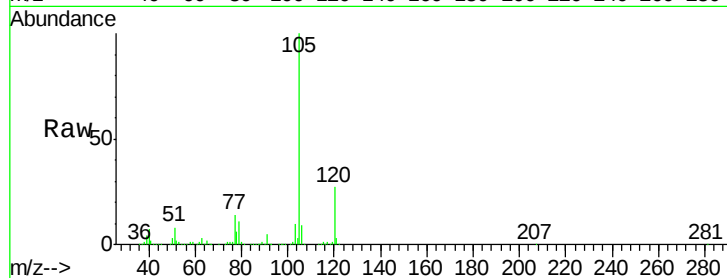
ClientSampleId :

Tot Ion: 105 Resp: 1209643

Ion Ratio Lower Upper

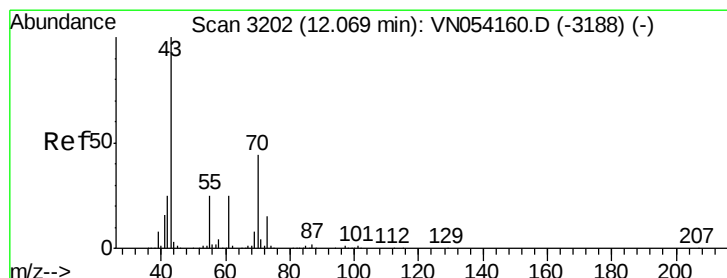
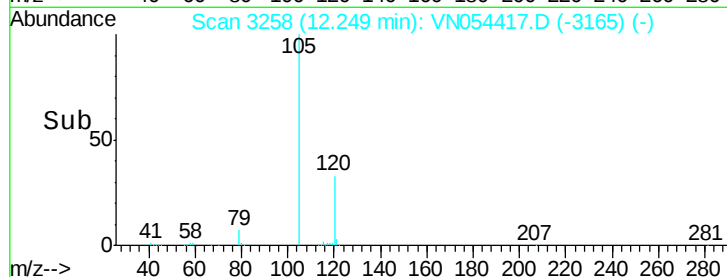
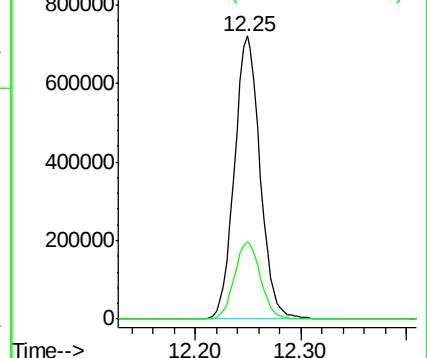
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.654 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Tgt Ion: 43 Resp: 271676

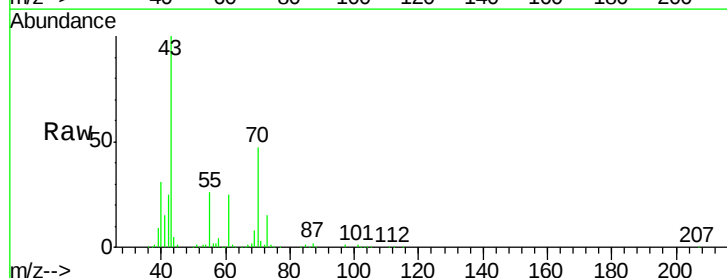
Ion Ratio Lower Upper

43 100

70 47.5 35.4 53.0

55 26.9 19.8 29.6

61 25.6 19.8 29.6

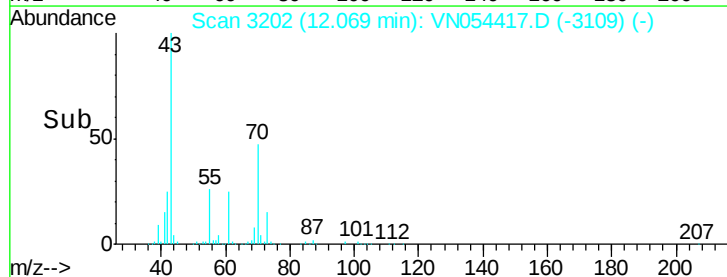
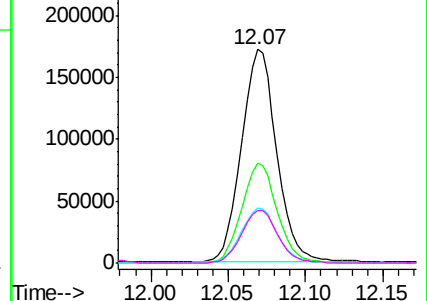


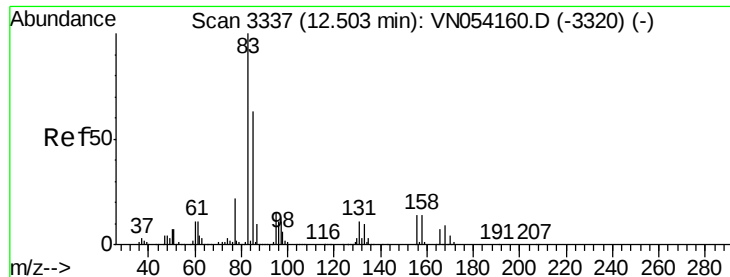
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.500 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampleId :

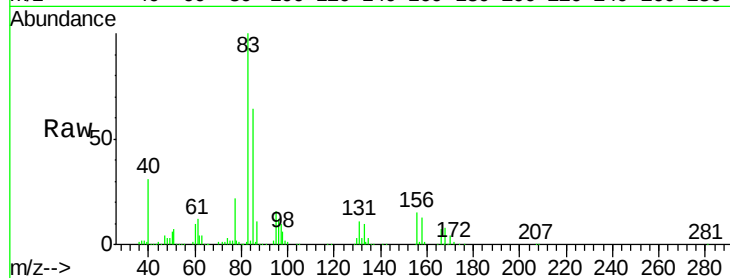
Tot Ion: 83 Resp: 283008

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

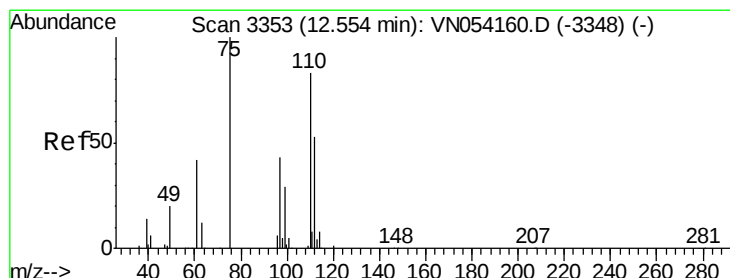
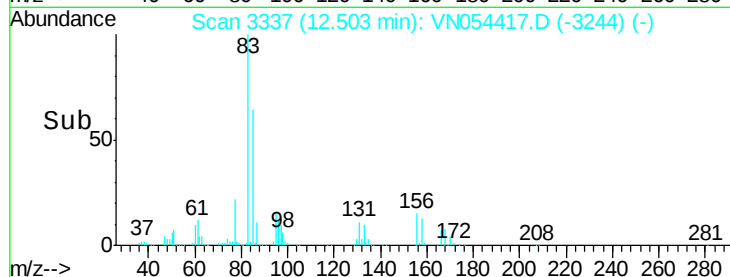
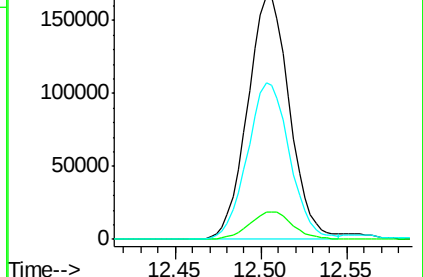
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 30.353 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054417.D

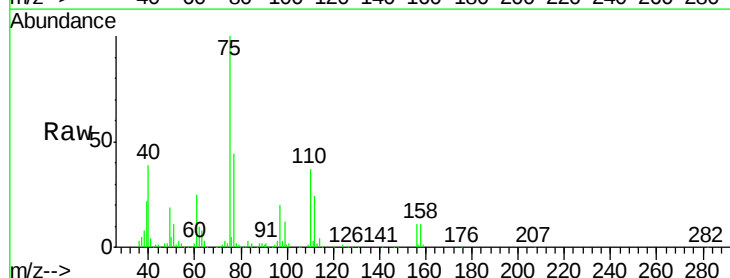
Acq: 19 Mar 2019 2:45

Tgt Ion: 75 Resp: 315343

Ion Ratio Lower Upper

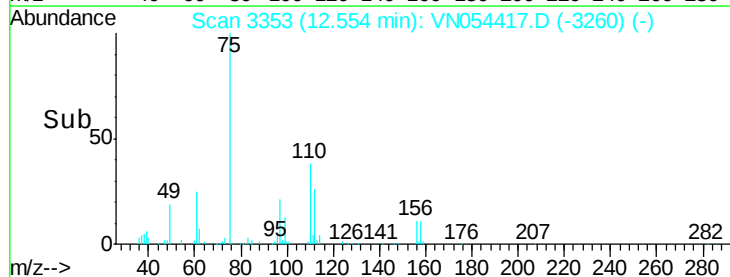
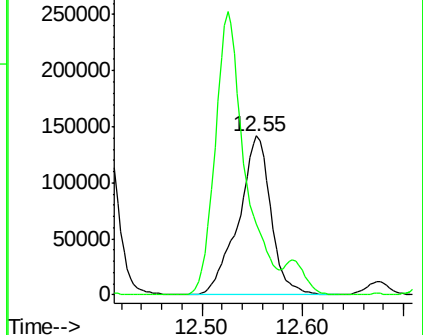
75 100

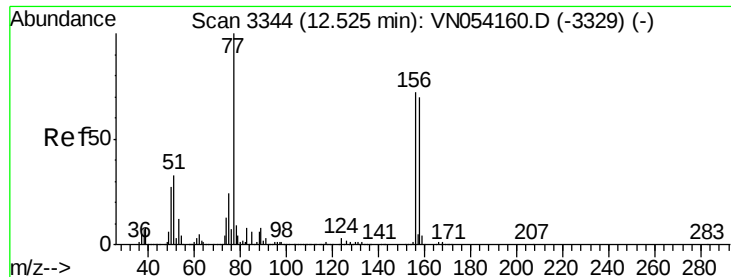
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampleId :

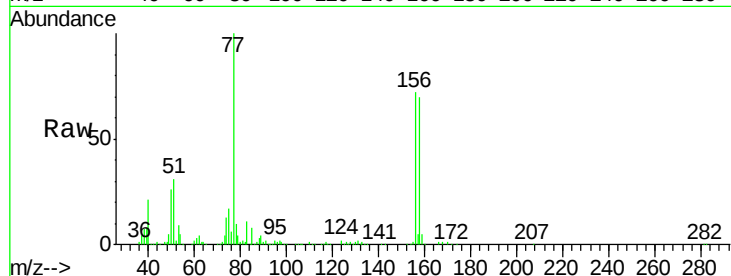
Tot Ion:156 Resp: 323788

Ion Ratio Lower Upper

156 100

77 160.7 81.5 244.4

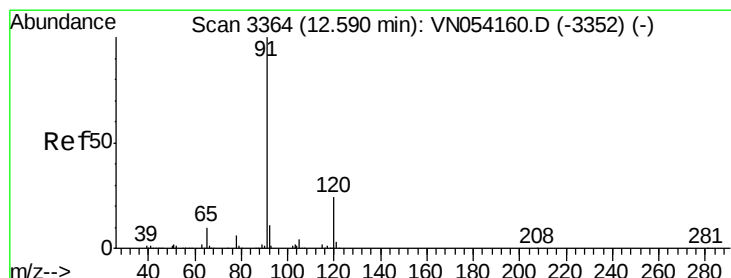
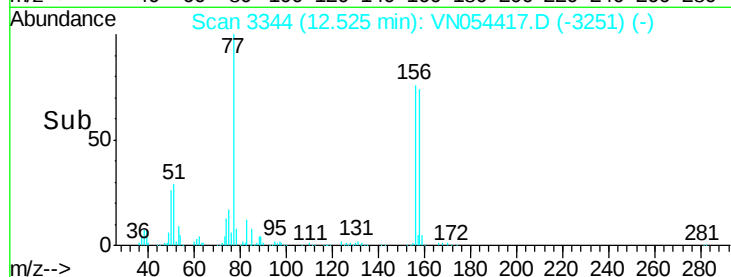
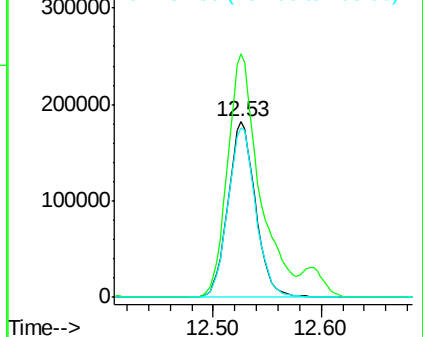
158 97.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.833 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054417.D

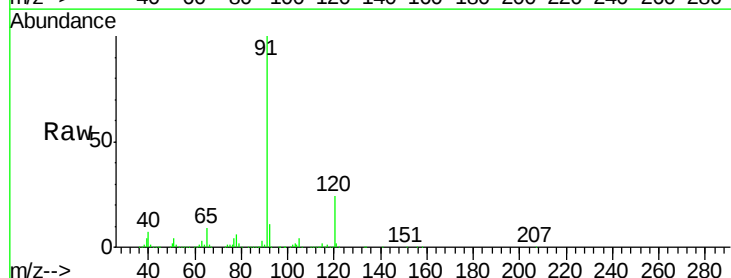
Acq: 19 Mar 2019 2:45

Tgt Ion: 91 Resp: 1277703

Ion Ratio Lower Upper

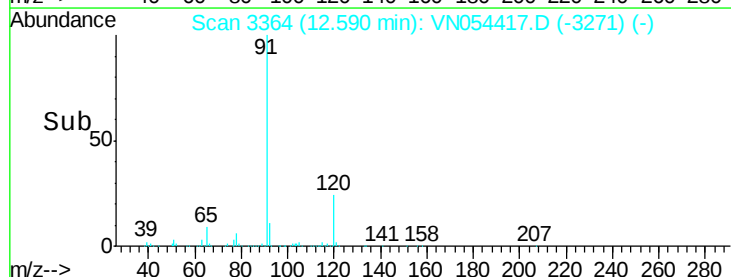
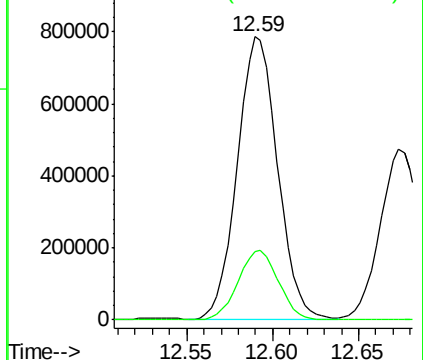
91 100

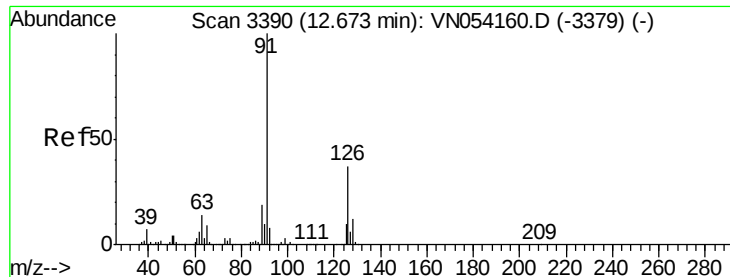
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.589 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

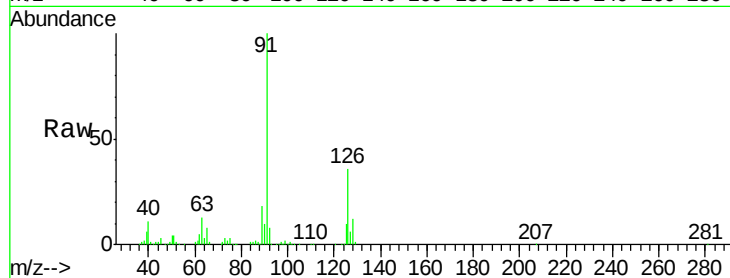
ClientSampleId :

Tot Ion: 91 Resp: 796140

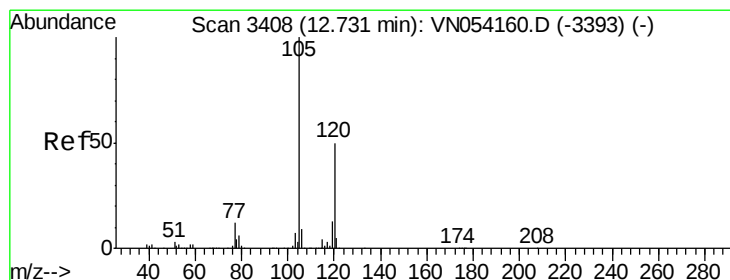
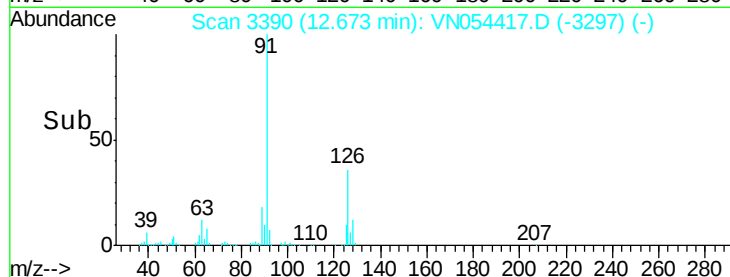
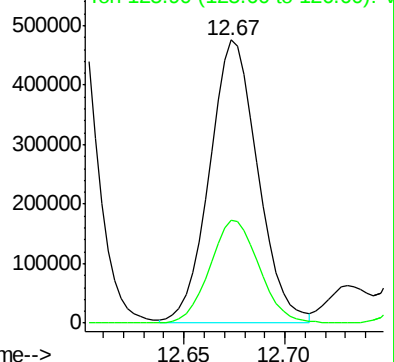
Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.888 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054417.D

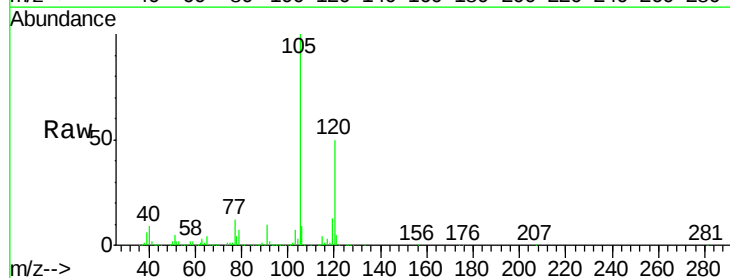
Acq: 19 Mar 2019 2:45

Tgt Ion: 105 Resp: 982064

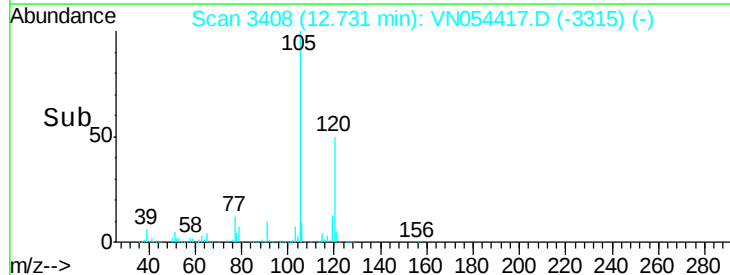
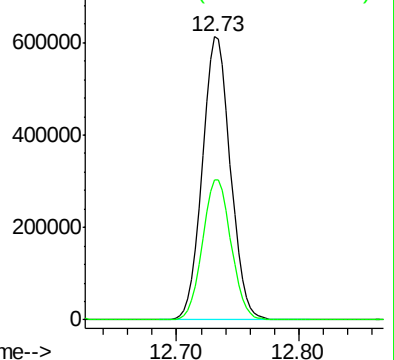
Ion Ratio Lower Upper

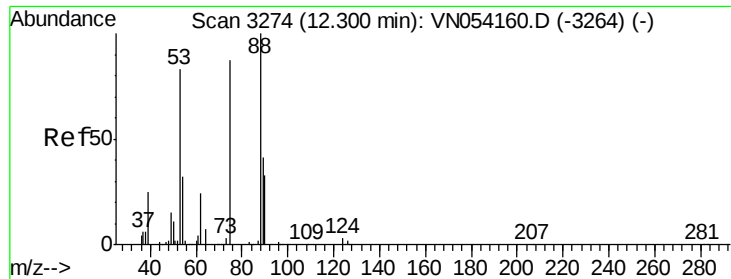
105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

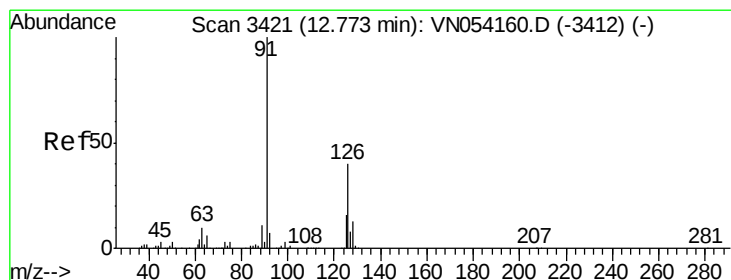
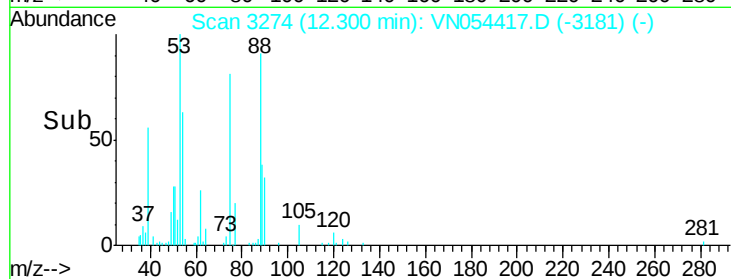
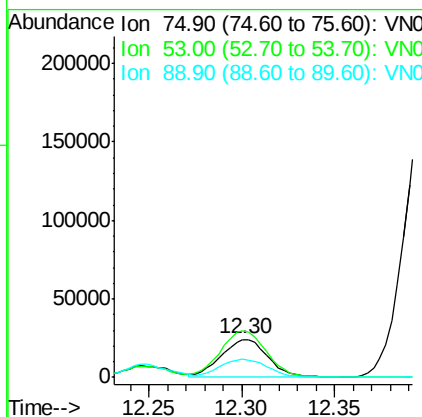
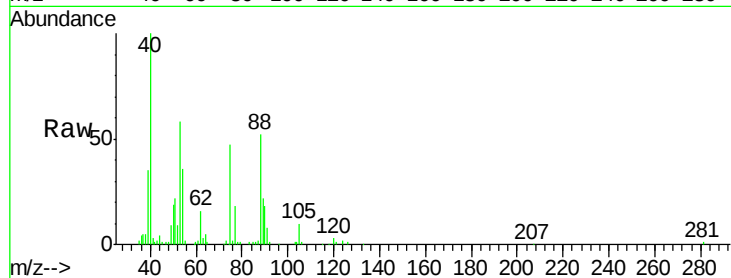




#81
trans-1,4-Dichloro-2-butene
Concen: 13.798 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

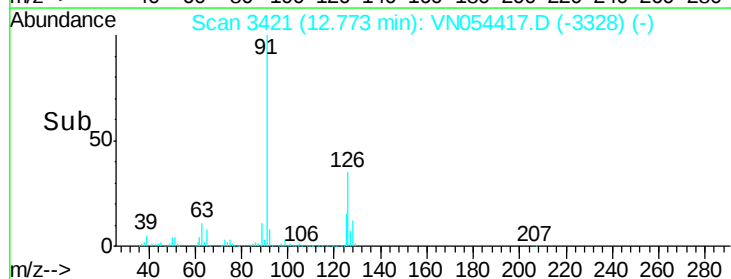
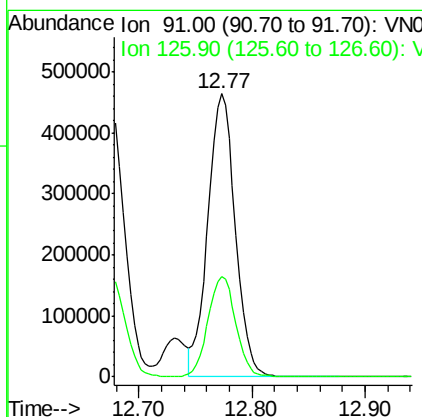
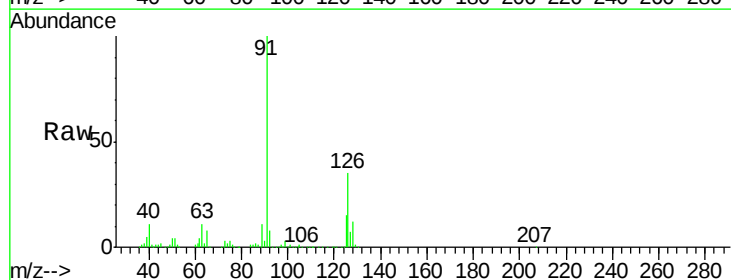
Instrument :
MSVOA_N
ClientSampleId :

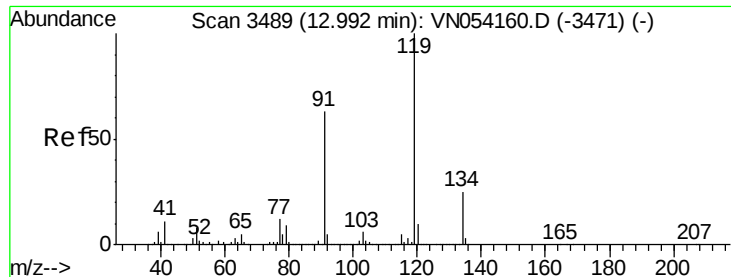
Tot Ion: 75 Resp: 41936
Ion Ratio Lower Upper
75 100
53 125.2 76.2 114.2#
89 49.8 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.040 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054417.D
Acq: 19 Mar 2019 2:45

Tgt Ion: 91 Resp: 774755
Ion Ratio Lower Upper
91 100
126 36.1 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.778 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampled :

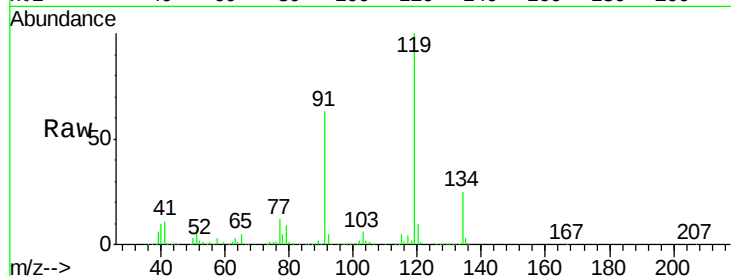
Tot Ion:119 Resp: 899167

Ion Ratio Lower Upper

119 100

91 60.7 30.9 92.8

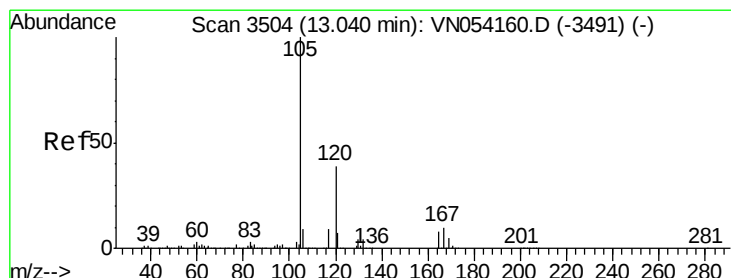
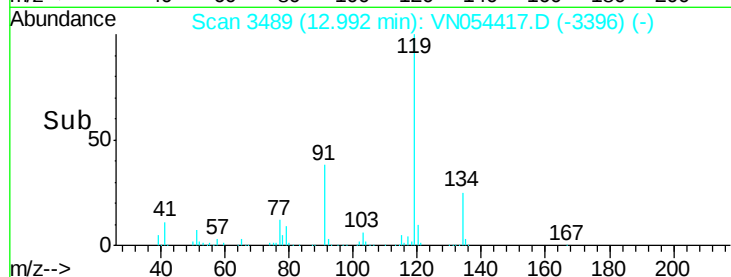
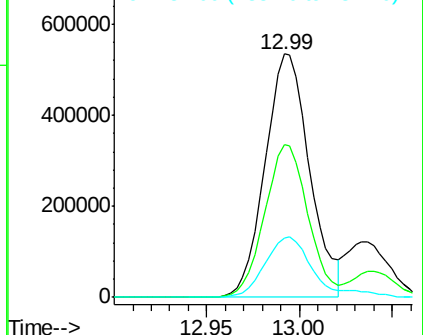
134 26.9 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.102 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054417.D

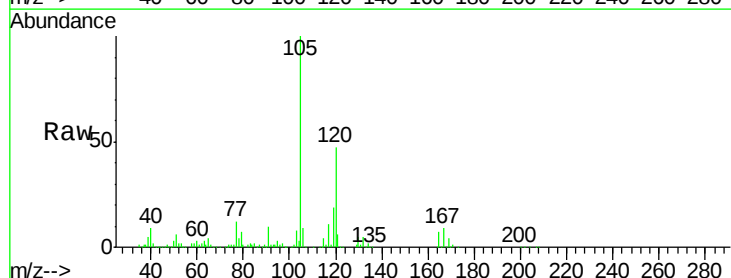
Acq: 19 Mar 2019 2:45

Tgt Ion:105 Resp: 973337

Ion Ratio Lower Upper

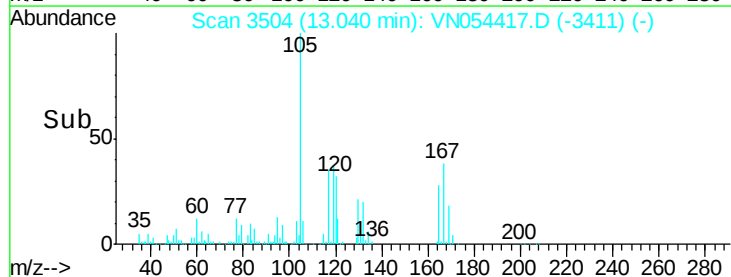
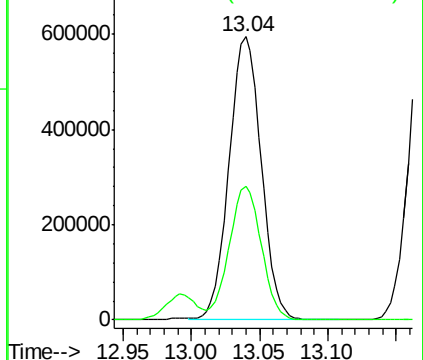
105 100

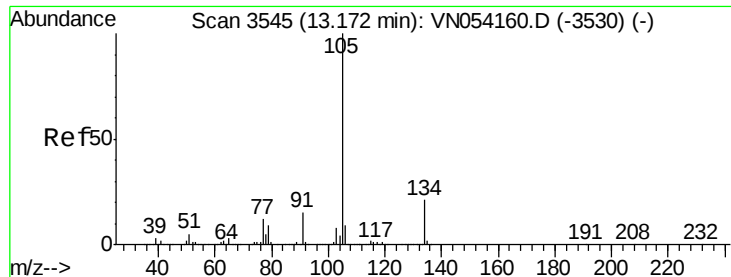
120 47.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.935 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

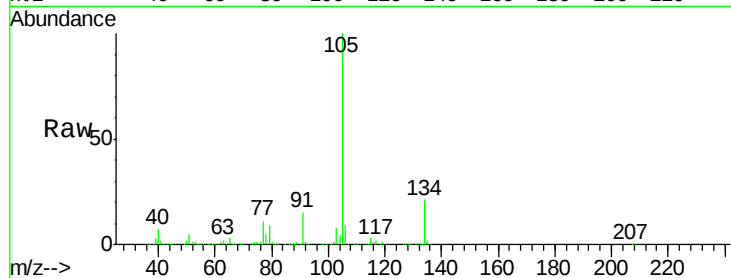
ClientSampled :

Tot Ion:105 Resp: 1118762

Ion Ratio Lower Upper

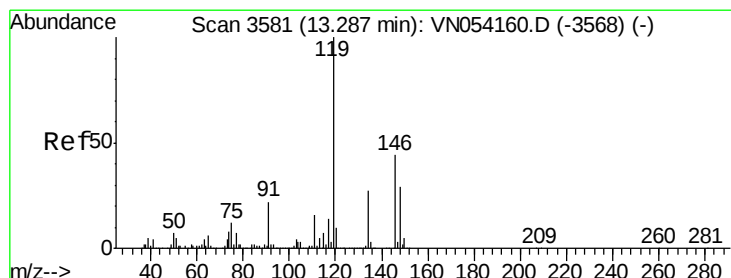
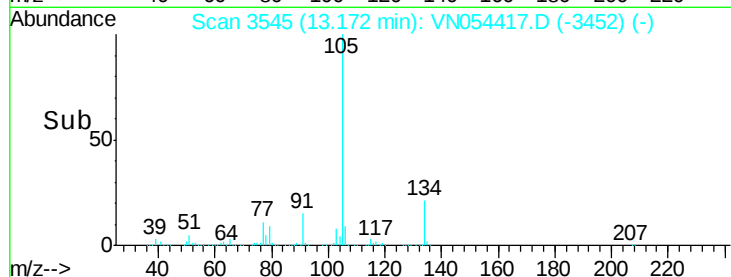
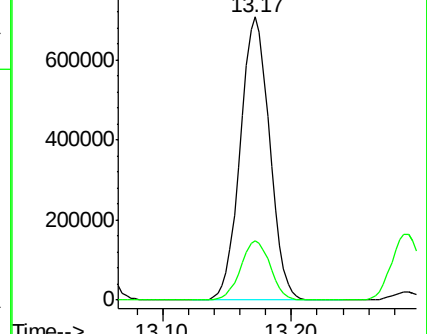
105 100

134 21.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

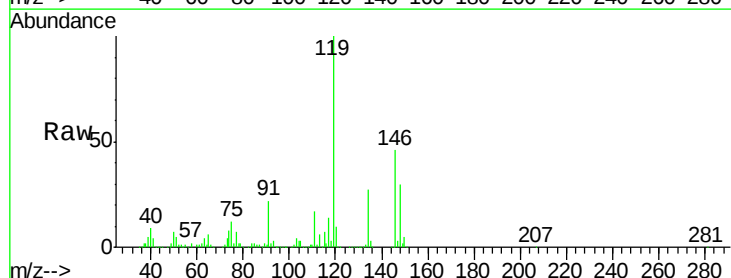
Tgt Ion:119 Resp: 960940

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

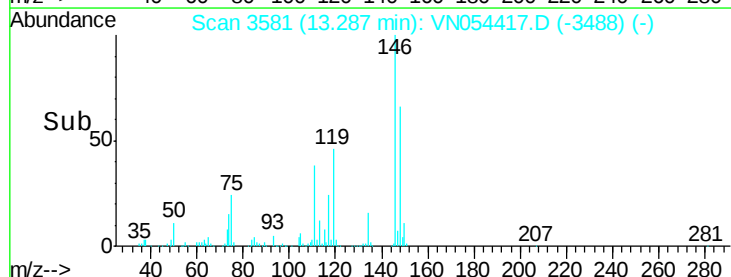
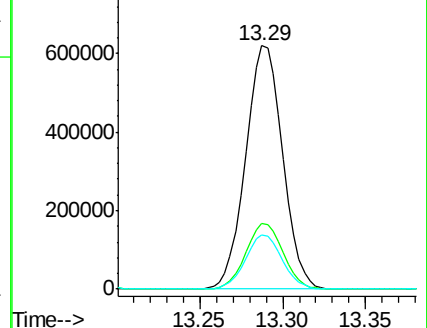
91 22.1 11.1 33.3

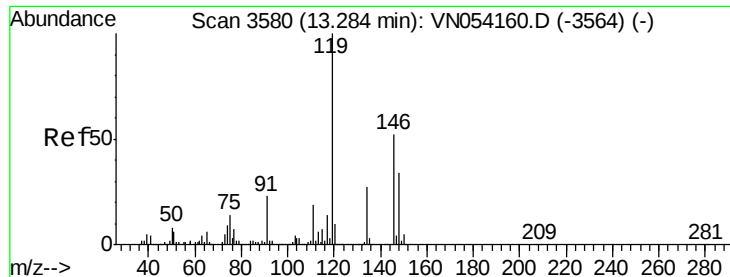


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

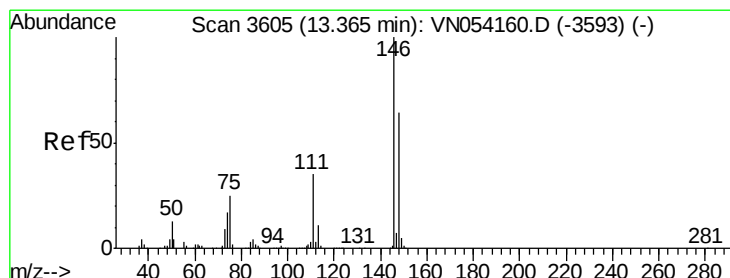
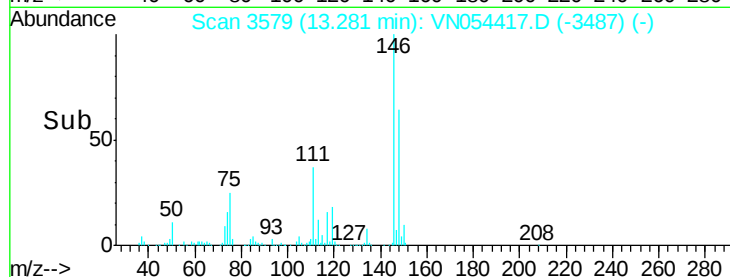
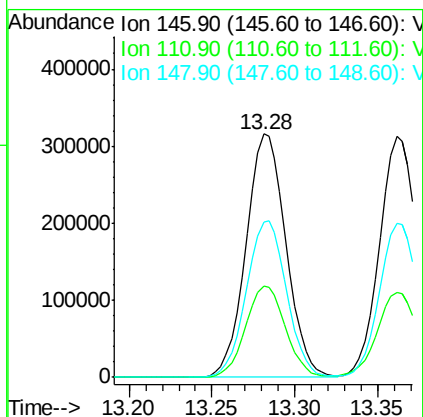
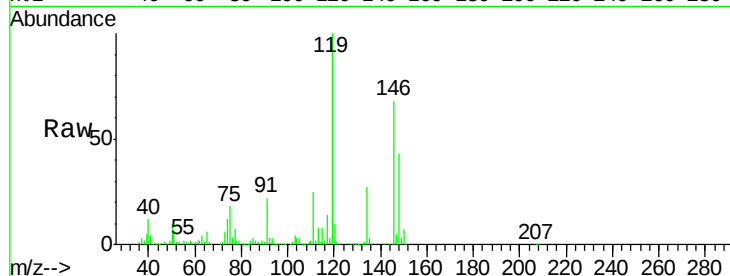




#87
 1,3-Dichlorobenzene
 Concen: 21.060 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

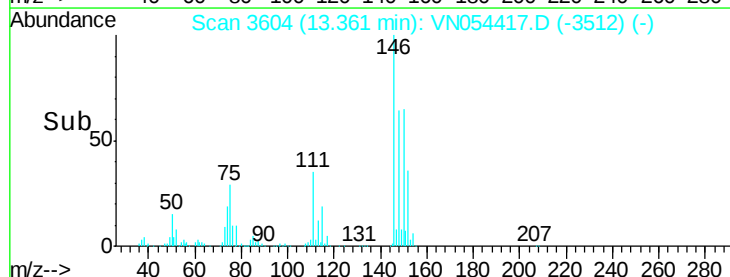
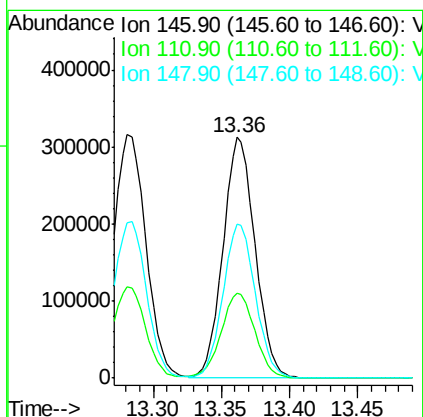
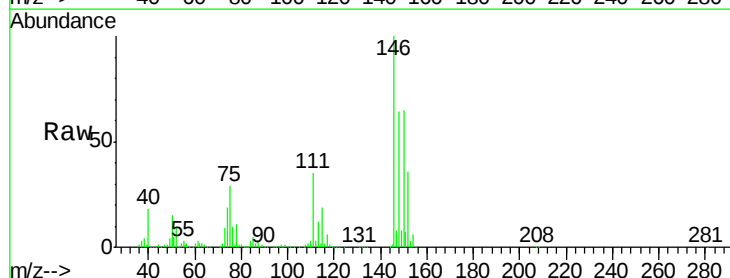
Instrument :
 MSVOA_N
 ClientSampleId :

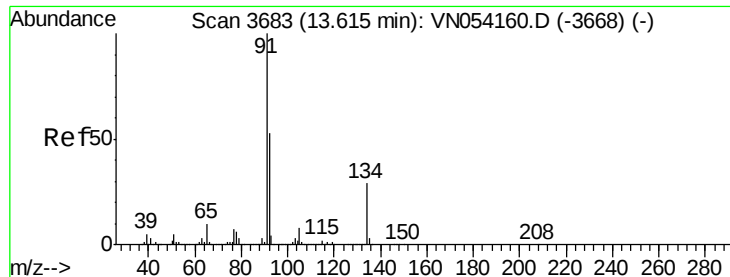
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.7	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.9	32.0	96.0





#89

n-Butylbenzene

Concen: 18.457 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampleId :

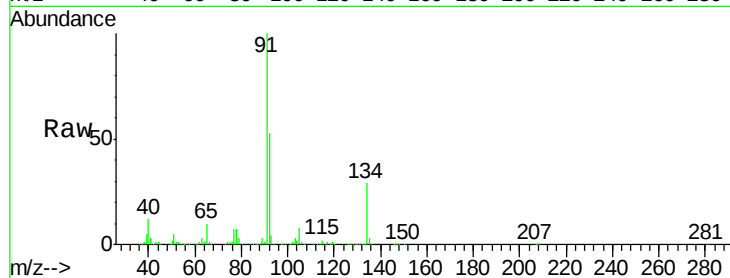
Tot Ion: 91 Resp: 690479

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.6

134 28.6 14.3 42.9

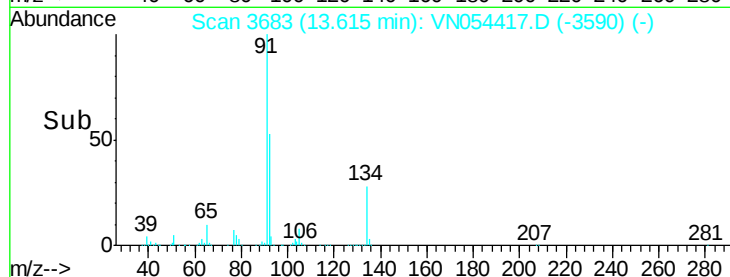


Abundance Ion 91.00 (90.70 to 91.70): VN054417.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054417.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054417.D (-3668) (-)

Time-->

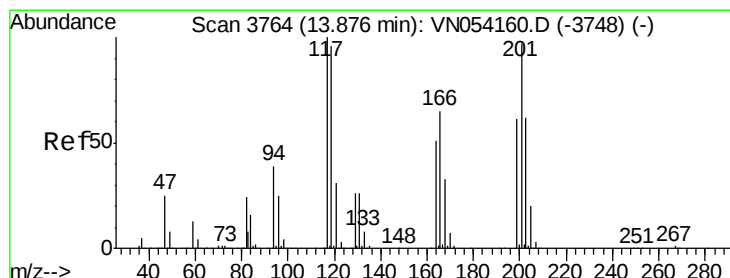


Abundance Ion 91.00 (90.70 to 91.70): VN054417.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054417.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054417.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 17.311 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054417.D

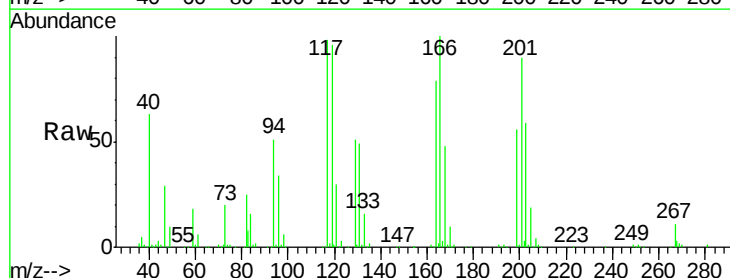
Acq: 19 Mar 2019 2:45

Tgt Ion: 117 Resp: 141135

Ion Ratio Lower Upper

117 100

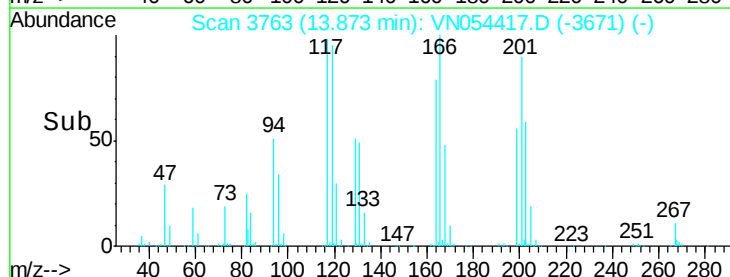
201 94.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054417.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054417.D (-3748) (-)

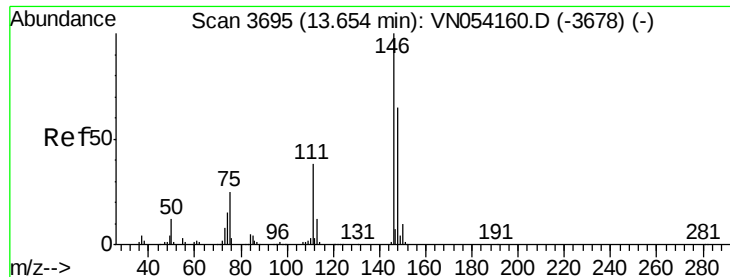
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054417.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054417.D (-3671) (-)

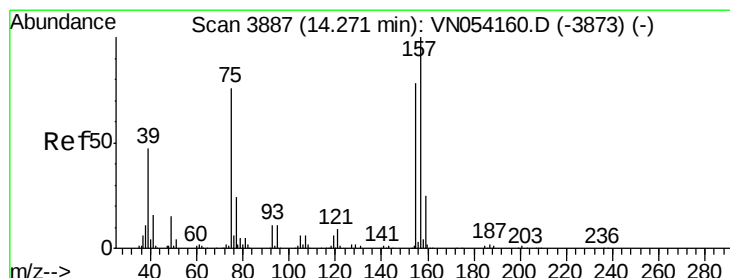
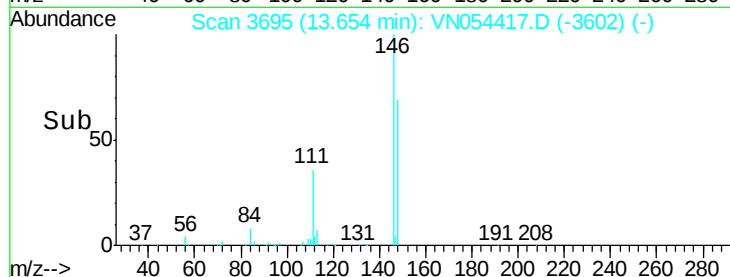
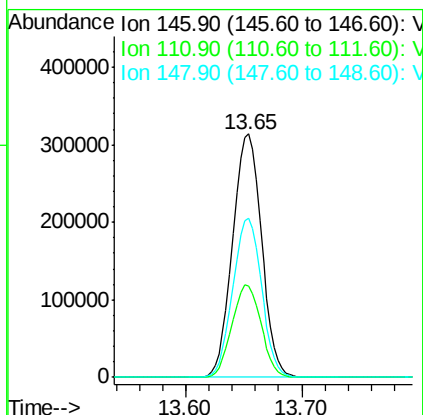
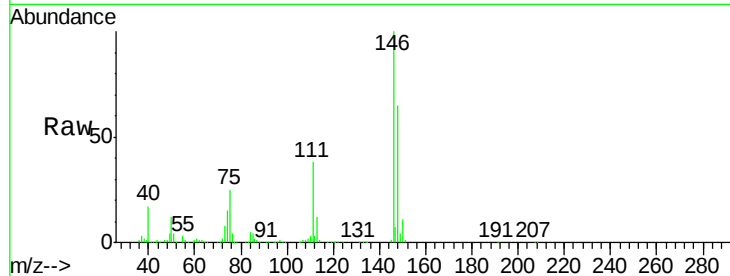
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 22.044 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

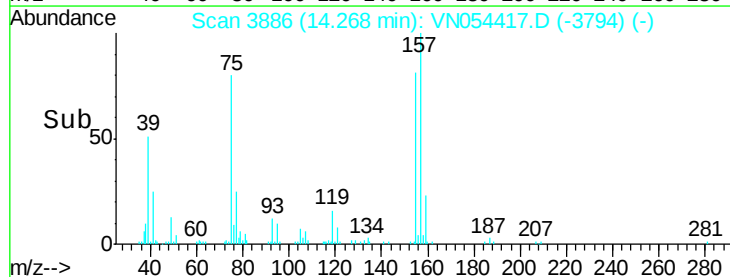
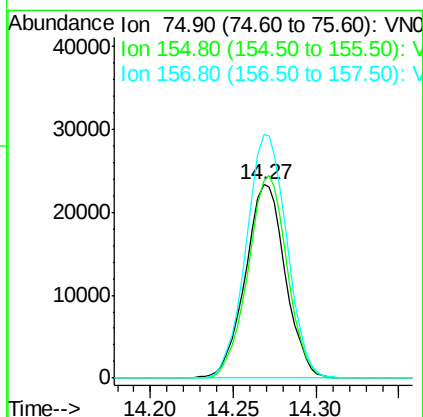
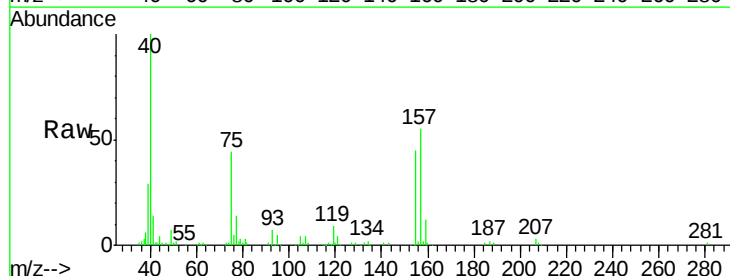
Instrument :
 MSVOA_N
 ClientSampleId :

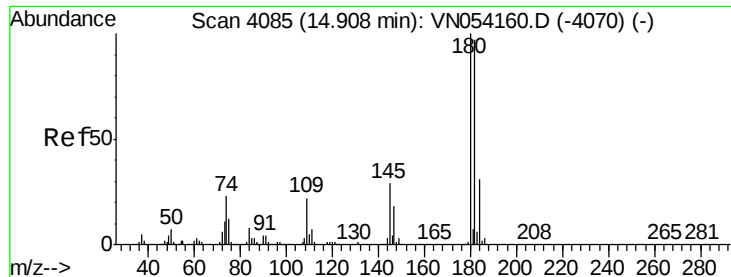
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.8	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.099 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.1	150.3
157	127.9	63.1	189.3

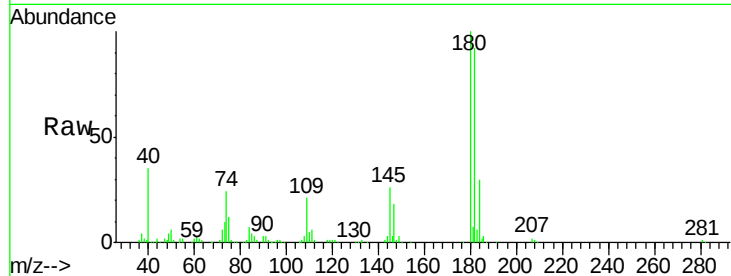




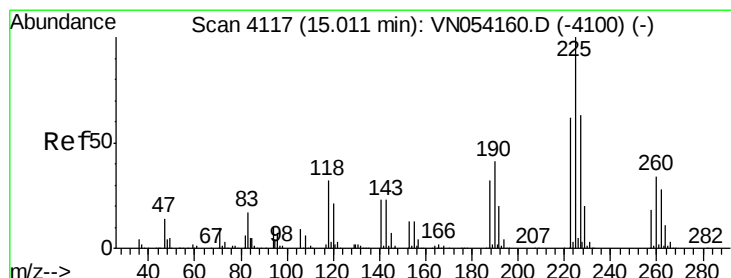
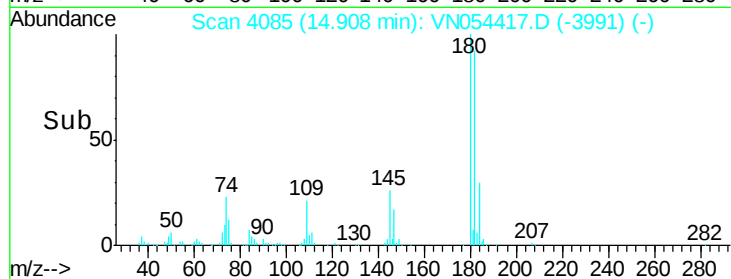
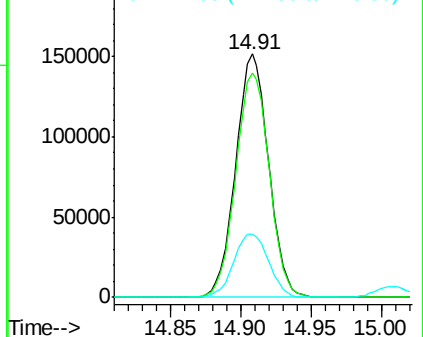
#93
 1,2,4-Trichlorobenzene
 Concen: 18.329 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	27.9	14.2	42.8

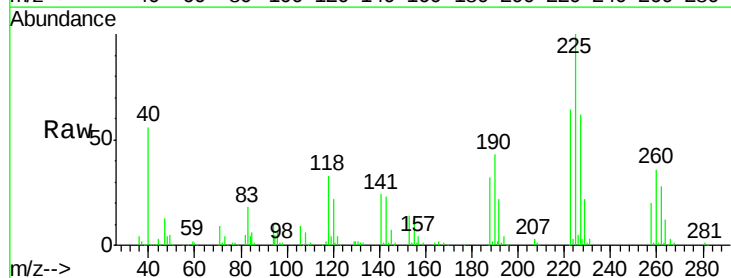


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

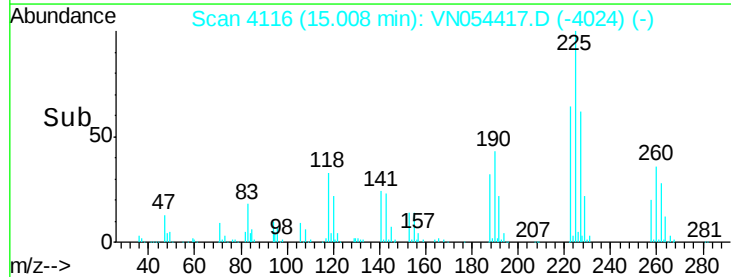
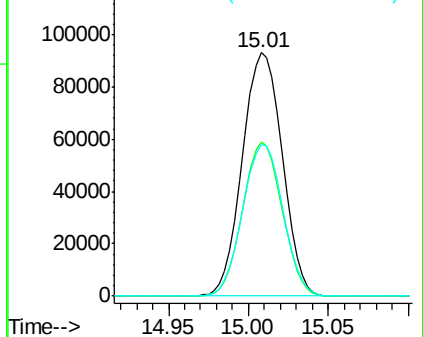


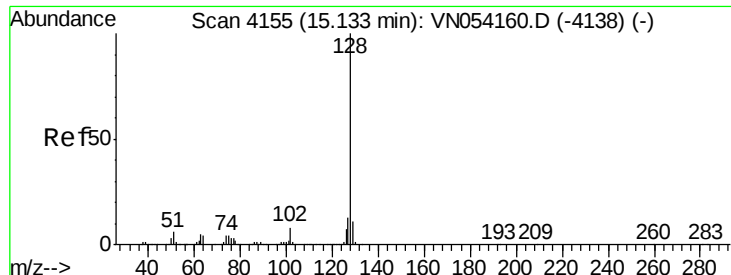
#94
 Hexachlorobutadiene
 Concen: 16.935 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054417.D
 Acq: 19 Mar 2019 2:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	62.9	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.891 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

Instrument :

MSVOA_N

ClientSampled :

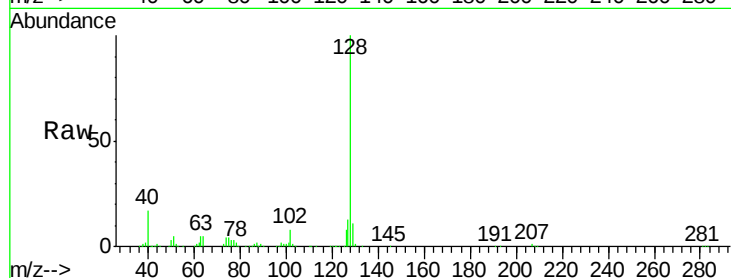
Tot Ion:128 Resp: 546789

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

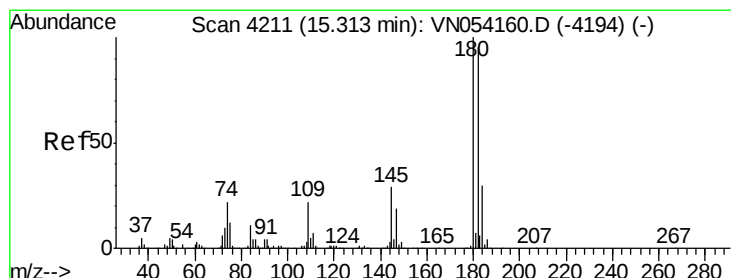
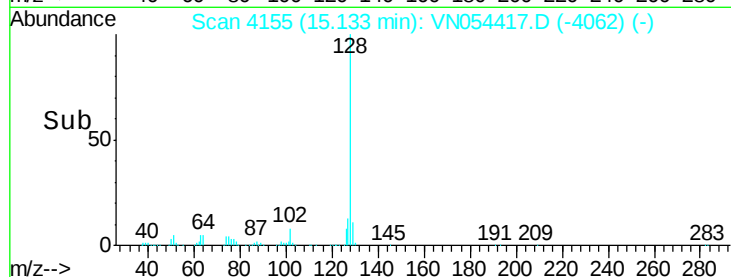
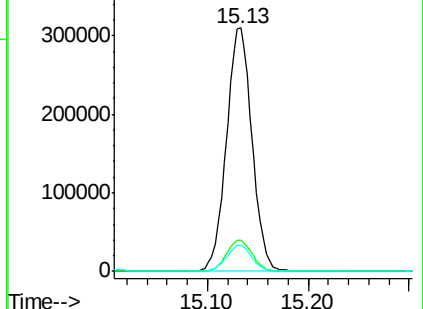
129 10.6 8.7 13.1



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: 19.631 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054417.D

Acq: 19 Mar 2019 2:45

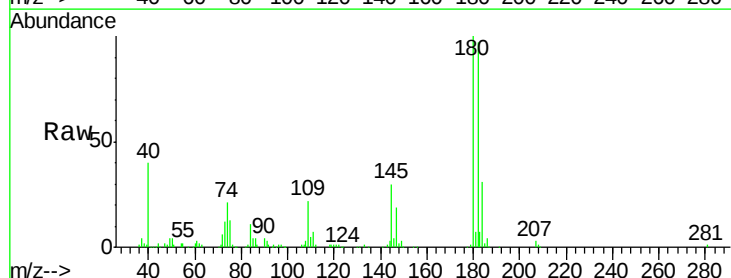
Tgt Ion:180 Resp: 256983

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.6

145 29.2 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

