

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054230.D
 Acq On : 14 Mar 2019 00:00
 Operator : JC/SP
 Sample : VN0313WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:23:38 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	1358580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2119408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1870065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	884153	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	754046	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
35) Dibromofluoromethane	7.59	113	688949	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.09	98	2472852	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	857105	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	277610	21.560	ug/l	100
3) Chloromethane	2.06	50	269118	21.517	ug/l	100
4) Vinyl Chloride	2.19	62	299264	20.934	ug/l	99
5) Bromomethane	2.57	94	191530	19.345	ug/l	100
6) Chloroethane	2.71	64	176690	20.428	ug/l	99
7) Trichlorofluoromethane	3.02	101	383294	20.167	ug/l	100
8) Diethyl Ether	3.41	74	197683	22.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	311039	21.839	ug/l	100
10) Methyl Iodide	3.94	142	289556	15.384	ug/l	99
11) Tert butyl alcohol	4.82	59	101372	102.488	ug/l	99
12) 1,1-Dichloroethene	3.73	96	312749	22.159	ug/l	97
13) Acrolein	3.60	56	37462	39.969	ug/l	100
14) Allyl chloride	4.31	41	362915	20.041	ug/l	99
15) Acrylonitrile	5.00	53	447549	110.153	ug/l	99
16) Acetone	3.82	43	345593	83.656	ug/l	99
17) Carbon Disulfide	4.04	76	686251	19.396	ug/l	99
18) Methyl Acetate	4.33	43	192838	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	762205	21.787	ug/l	100
20) Methylene Chloride	4.54	84	292170	21.539	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	286918	21.217	ug/l	96
22) Diisopropyl ether	5.96	45	780684	21.600	ug/l	98
23) Vinyl Acetate	5.90	43	2791892	104.770	ug/l	100
24) 1,1-Dichloroethane	5.85	63	503030	21.676	ug/l	99
25) 2-Butanone	6.85	43	504718	104.094	ug/l	96
26) 2,2-Dichloropropane	6.82	77	327521	16.049	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	334496	22.172	ug/l	97
28) Bromochloromethane	7.19	49	212252	22.373	ug/l	98
29) Tetrahydrofuran	7.22	42	338591	108.609	ug/l	99
30) Chloroform	7.37	83	532459	21.988	ug/l	100
31) Cyclohexane	7.65	56	463282	20.632	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	462284	21.138	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390161	19.990	ug/l	98
37) Ethyl Acetate	6.94	43	236574	21.095	ug/l	99
38) Carbon Tetrachloride	7.77	117	390596	19.083	ug/l	99

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:23:38 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	470945	19.611	ug/l	99
40) Benzene	8.04	78	1175145	21.040	ug/l	100
41) Methacrylonitrile	7.18	41	128069	20.000	ug/l	96
42) 1,2-Dichloroethane	8.12	62	400525	21.240	ug/l	100
43) Isopropyl Acetate	8.17	43	391552	19.891	ug/l	99
44) Trichloroethene	8.83	130	363153	20.930	ug/l	96
45) 1,2-Dichloropropane	9.12	63	292950	21.123	ug/l	98
46) Dibromomethane	9.21	93	198212	21.153	ug/l	98
47) Bromodichloromethane	9.40	83	385776	20.536	ug/l	98
48) Methyl methacrylate	9.20	41	212183	21.240	ug/l	99
49) 1,4-Dioxane	9.21	88	62925	445.314	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1107328	106.296	ug/l	100
52) Toluene	10.16	92	739194	20.873	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	354493	17.829	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	425708	19.447	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	271604	21.004	ug/l	98
56) Ethyl methacrylate	10.43	69	319663	20.732	ug/l	99
57) 1,3-Dichloropropane	10.71	76	447293	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	608525	101.675	ug/l	100
59) 2-Hexanone	10.75	43	696631	100.499	ug/l	100
60) Dibromochloromethane	10.90	129	281670	19.352	ug/l	99
61) 1,2-Dibromoethane	11.01	107	275064	20.932	ug/l	100
64) Tetrachloroethene	10.63	164	367109	20.304	ug/l	100
65) Chlorobenzene	11.43	112	855057	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298747	20.028	ug/l	99
67) Ethyl Benzene	11.51	91	1396348	20.514	ug/l	99
68) m/p-Xylenes	11.62	106	1092798	41.077	ug/l	99
69) o-Xylene	11.95	106	536997	20.706	ug/l	99
70) Styrene	11.96	104	845063	20.777	ug/l	100
71) Bromoform	12.13	173	183688	17.746	ug/l #	100
73) Isopropylbenzene	12.25	105	1443961	20.413	ug/l	99
74) N-amyl acetate	12.07	43	308924	19.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	309675	20.548	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	365969	28.147	ug/l #	100
77) Bromobenzene	12.53	156	385585	20.599	ug/l	97
78) n-propylbenzene	12.59	91	1568815	20.439	ug/l	99
79) 2-Chlorotoluene	12.67	91	930147	20.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1178730	20.033	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55268	14.531	ug/l #	86
82) 4-Chlorotoluene	12.77	91	931353	20.210	ug/l	99
83) tert-Butylbenzene	12.99	119	1079014	19.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185394	20.536	ug/l	99
85) sec-Butylbenzene	13.17	105	1421024	20.232	ug/l	100
86) p-Isopropyltoluene	13.29	119	1225662	19.891	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	650518	20.625	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	643991	20.784	ug/l	99
89) n-Butylbenzene	13.62	91	954392	20.385	ug/l	99
90) Hexachloroethane	13.88	117	181747	17.813	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	642899	20.850	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44410	19.043	ug/l	98

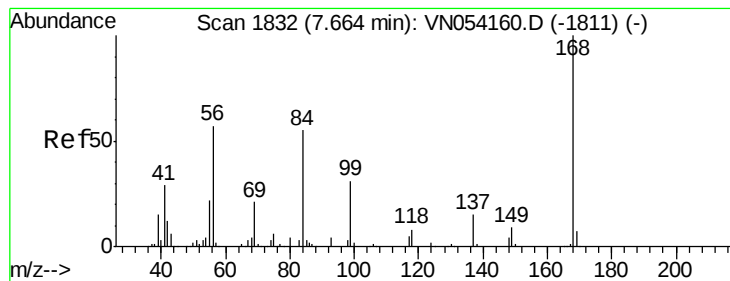
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
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Instrument :
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Quant Time: Mar 14 05:23:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : 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	359037	20.833	ug/l	99
94) Hexachlorobutadiene	15.01	225	229261	19.520	ug/l	99
95) Naphthalene	15.13	128	733411	21.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	366821	22.391	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: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

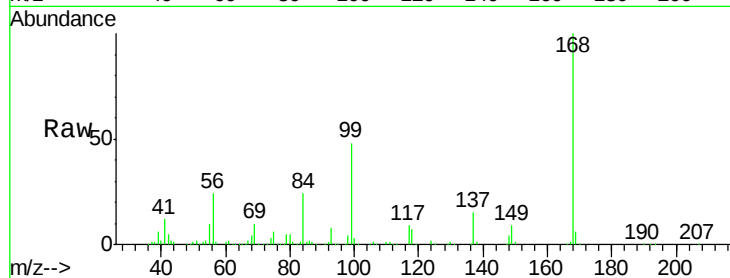
ClientSampled :

Tot Ion:168 Resp: 1358580

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

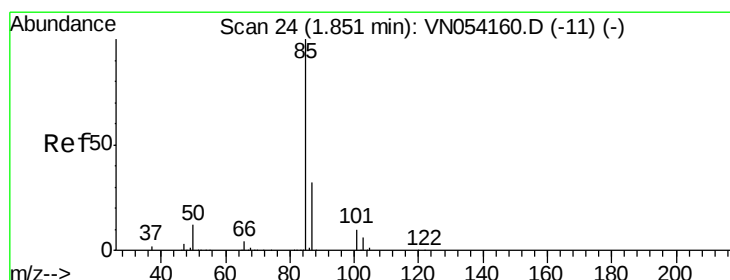
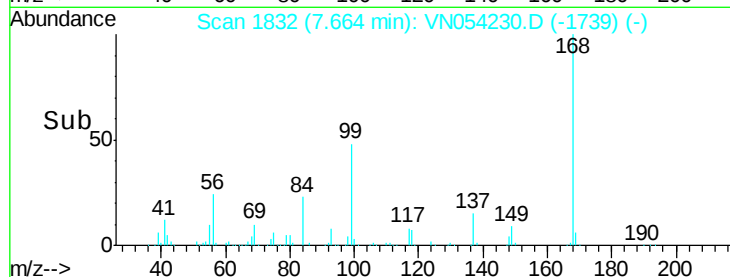
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.560 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054230.D

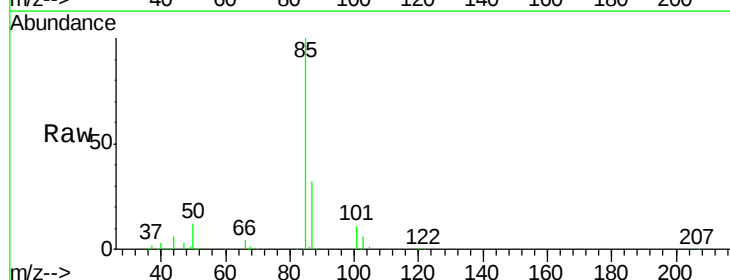
Acq: 14 Mar 2019 00:00

Tgt Ion: 85 Resp: 277610

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

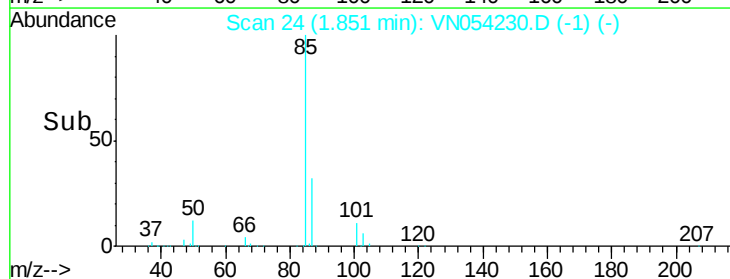
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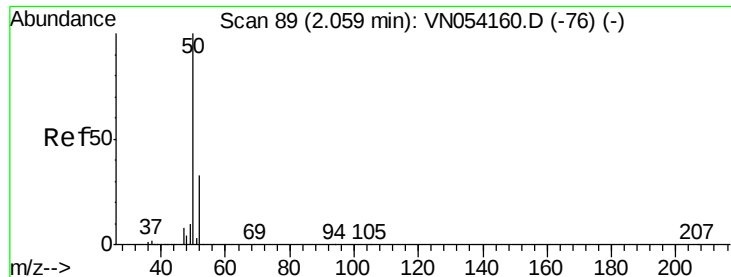
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.517 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

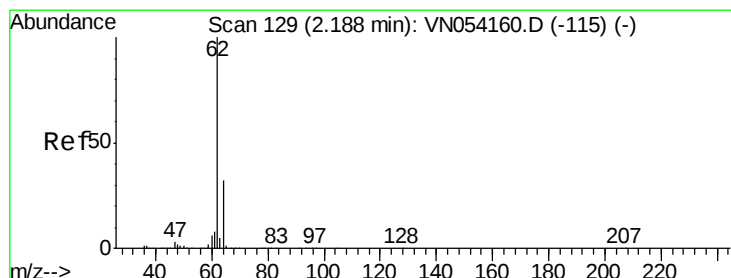
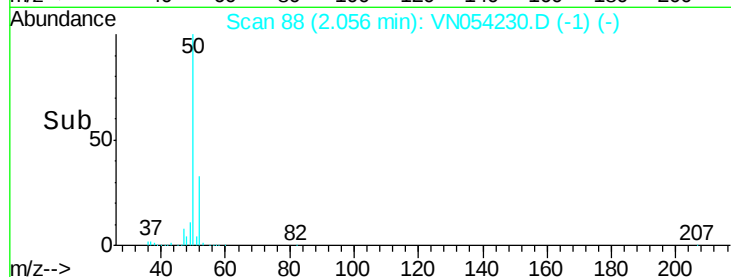
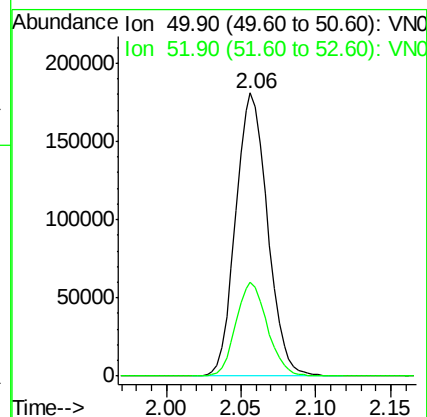
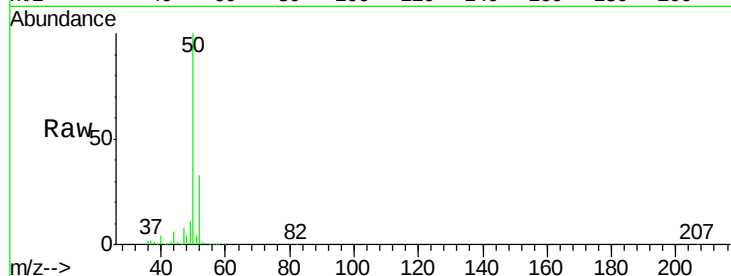
ClientSampled :

Tot Ion: 50 Resp: 269118

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 20.934 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054230.D

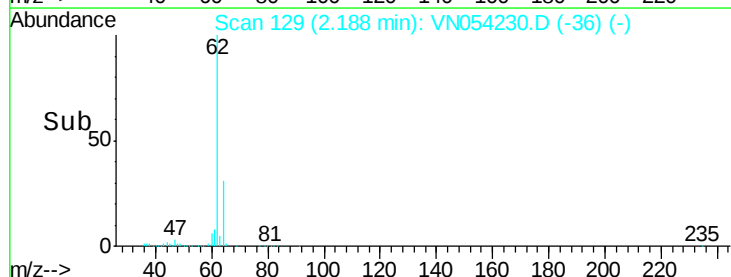
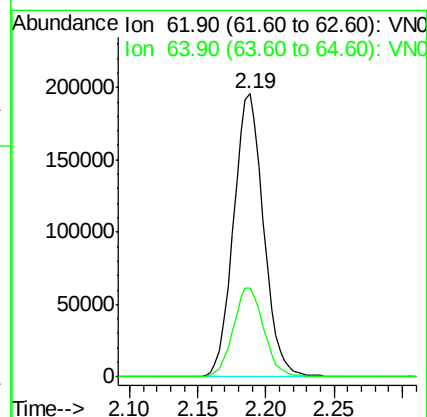
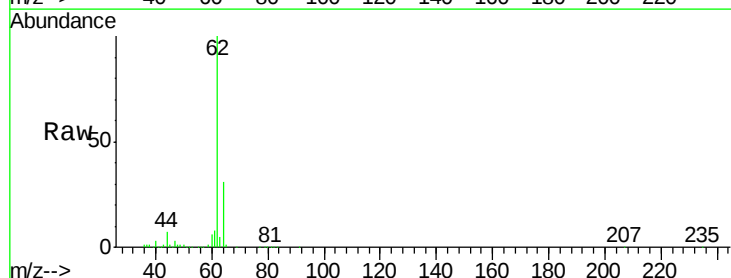
Acq: 14 Mar 2019 00:00

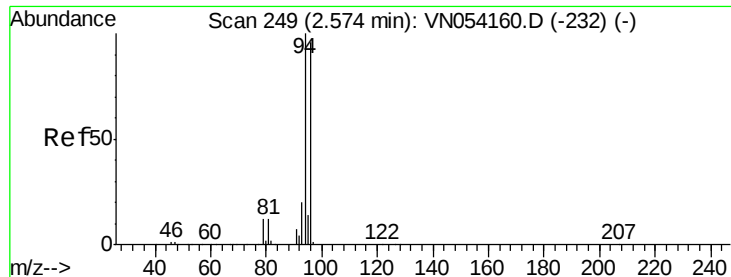
Tgt Ion: 62 Resp: 299264

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 19.345 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

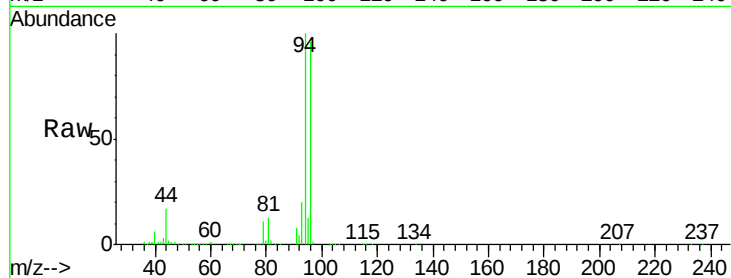
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 191530

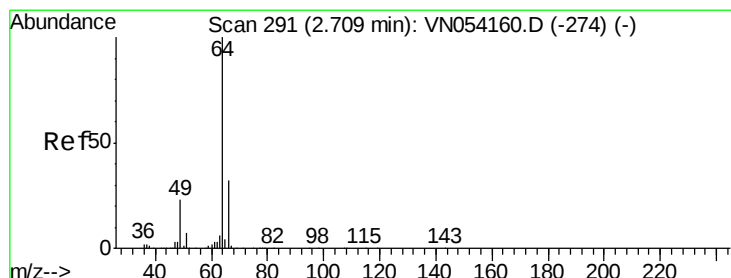
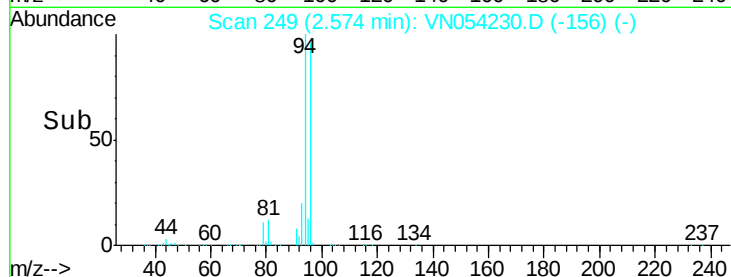
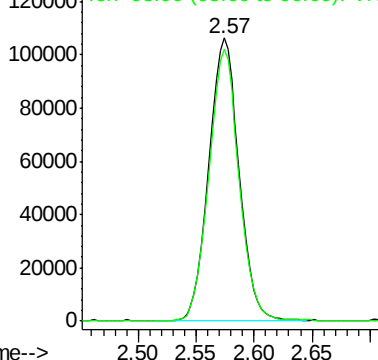
Ion Ratio Lower Upper

94 100

96 96.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.428 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054230.D

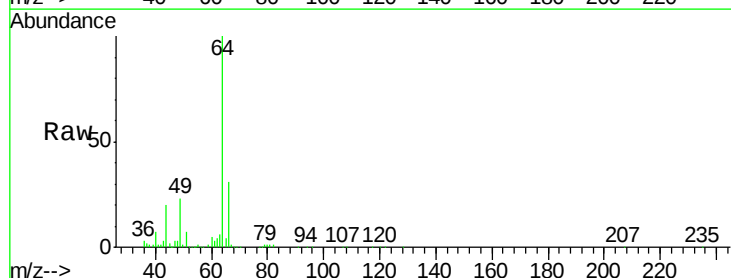
Acq: 14 Mar 2019 00:00

Tgt Ion: 64 Resp: 176690

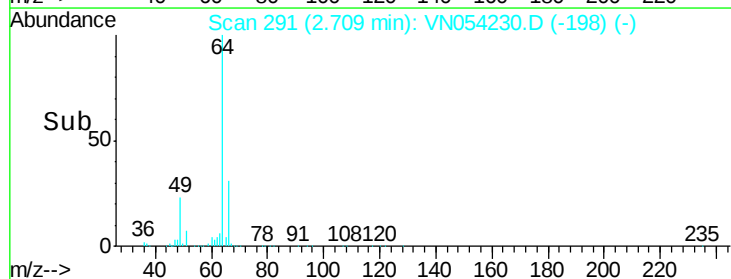
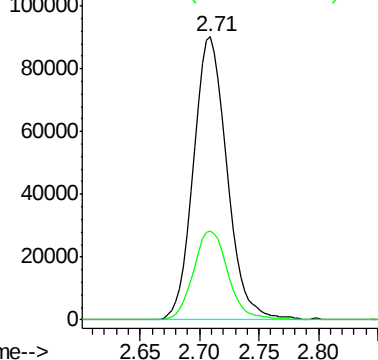
Ion Ratio Lower Upper

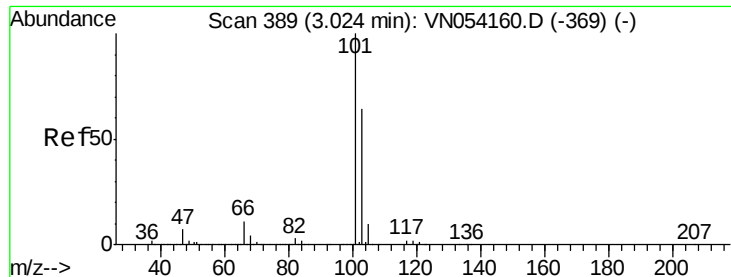
64 100

66 31.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



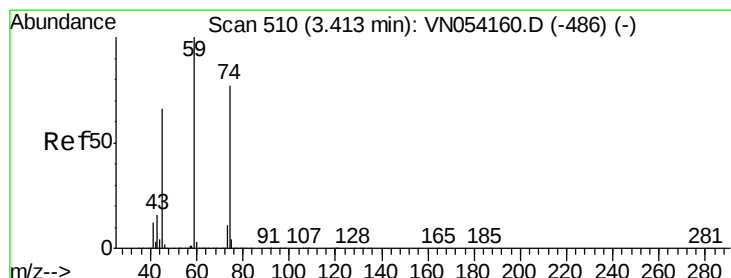
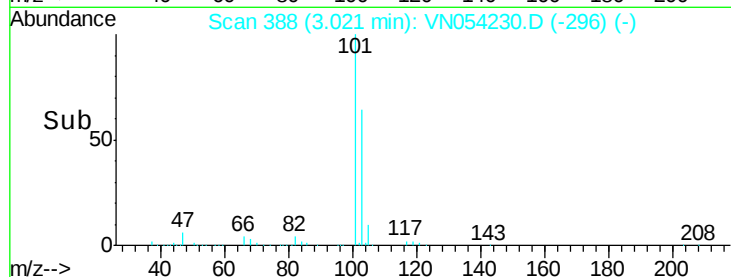
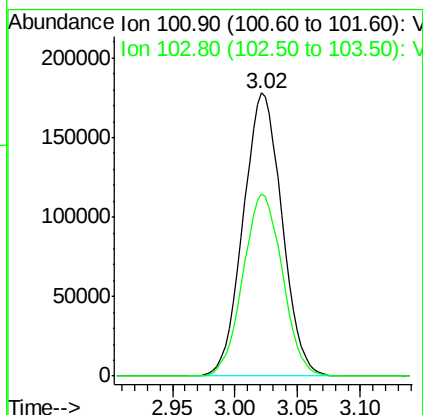
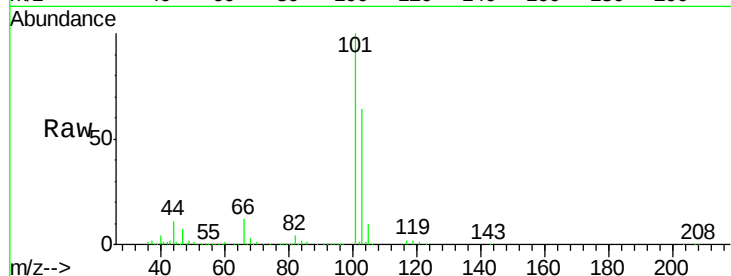


#7

Trichlorofluoromethane
Concen: 20.167 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampled :

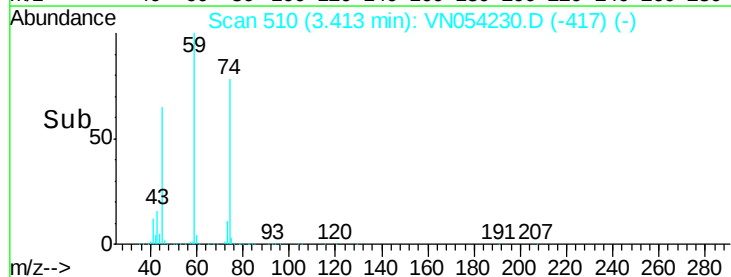
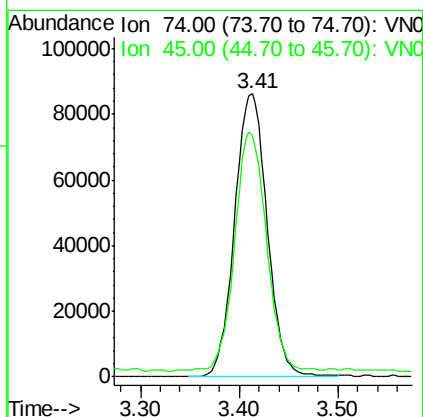
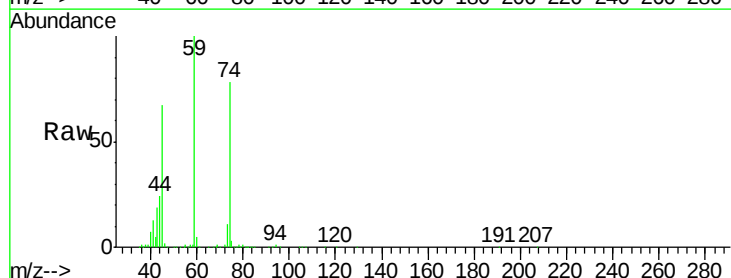
Tot Ion:101 Resp: 383294
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

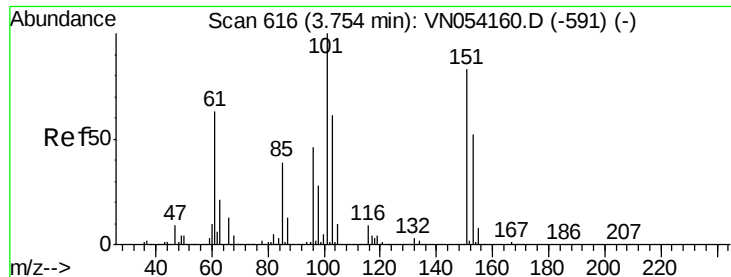


#8

Diethyl Ether
Concen: 22.824 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 74 Resp: 197683
Ion Ratio Lower Upper
74 100
45 81.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.839 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampled :

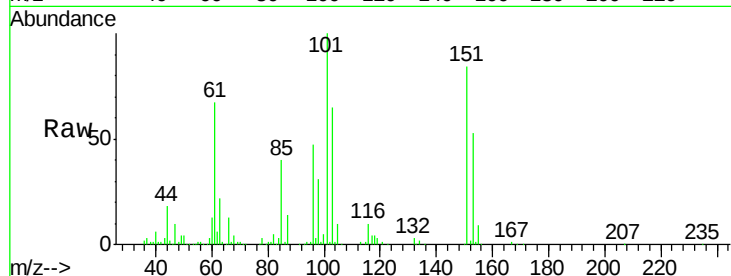
Tot Ion:101 Resp: 311039

Ion Ratio Lower Upper

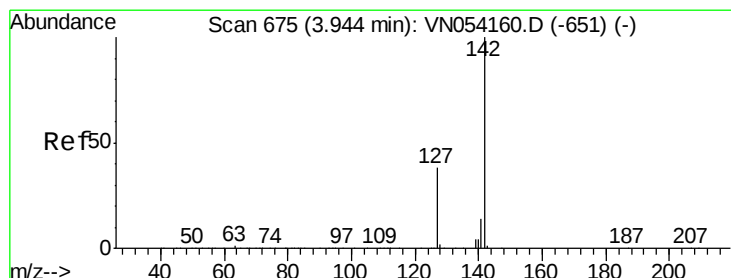
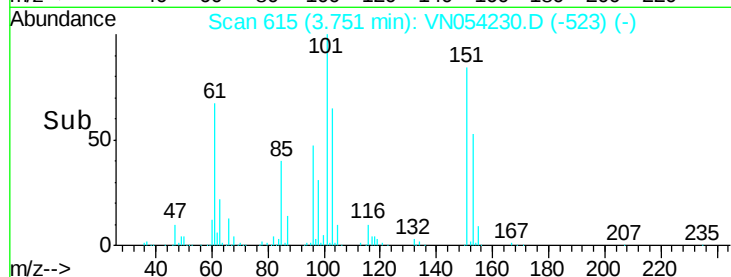
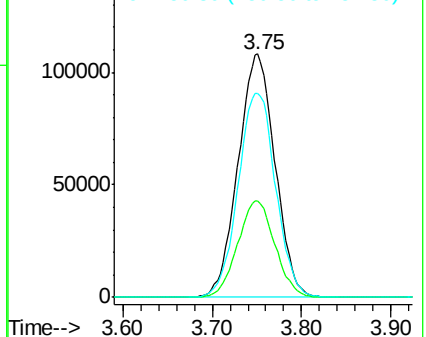
101 100

85 40.0 32.4 48.6

151 85.4 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: 15.384 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

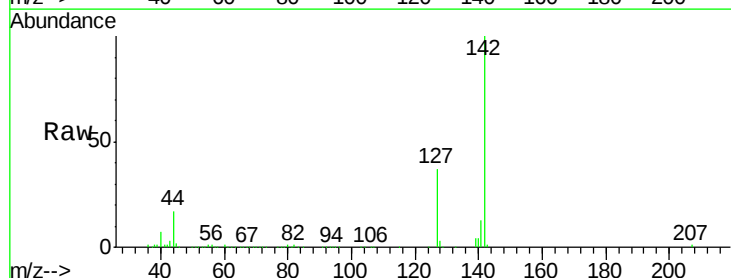
Tgt Ion:142 Resp: 289556

Ion Ratio Lower Upper

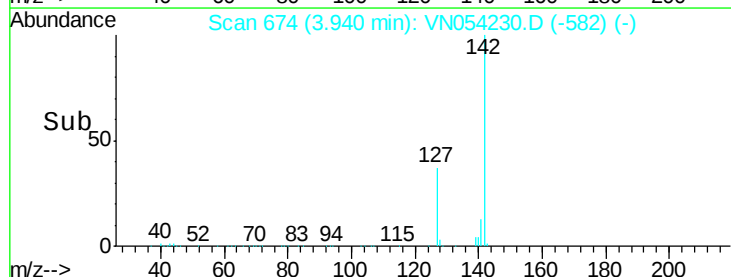
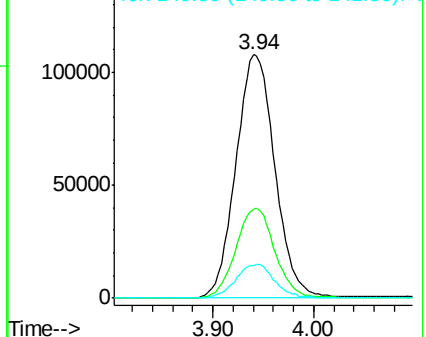
142 100

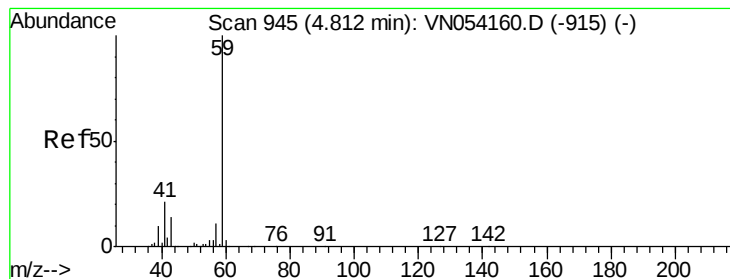
127 36.9 30.3 45.5

141 13.8 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



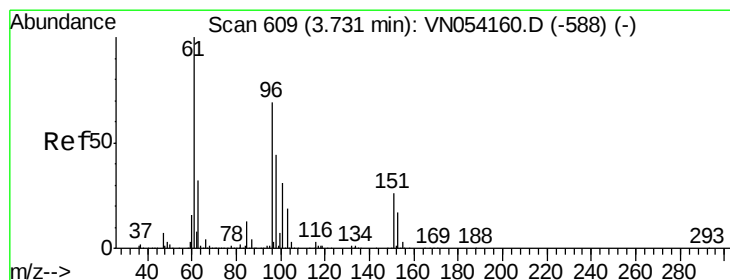
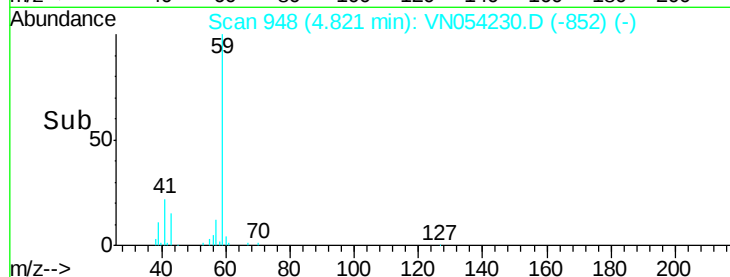
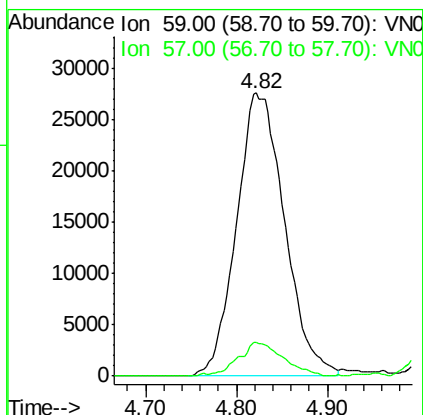
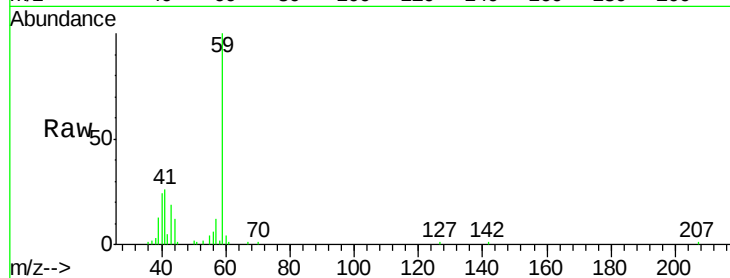


#11

Tert butyl alcohol
 Concen: 102.488 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampled :

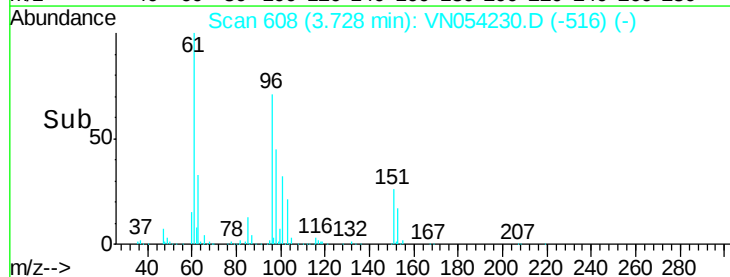
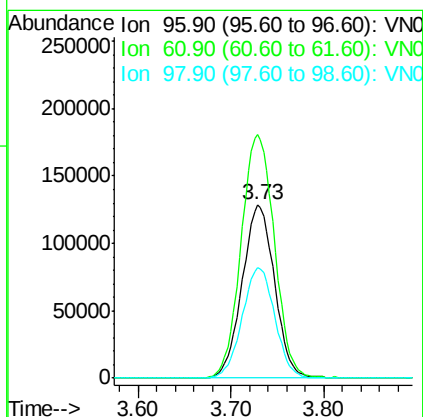
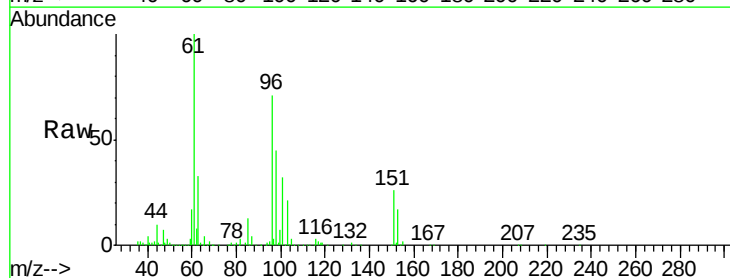
Tot Ion: 59 Resp: 101372
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6



#12

1,1-Dichloroethene
 Concen: 22.159 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 96 Resp: 312749
 Ion Ratio Lower Upper
 96 100
 61 140.4 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 39.969 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

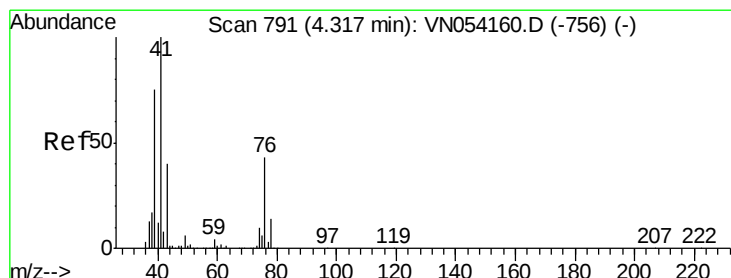
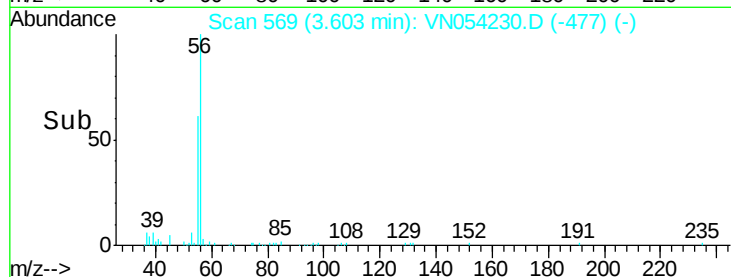
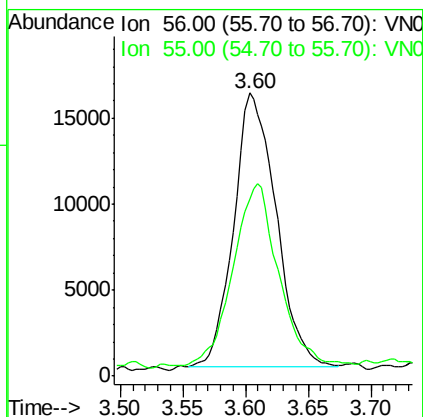
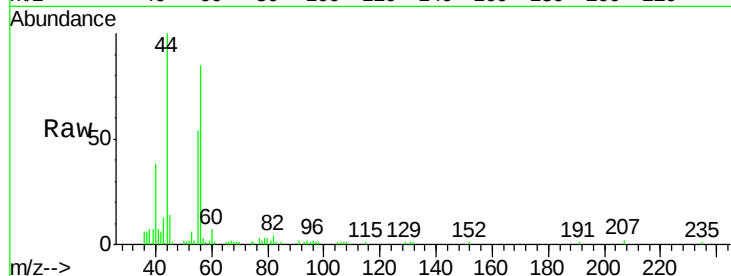
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 37462

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



#14

Allyl chloride

Concen: 20.041 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

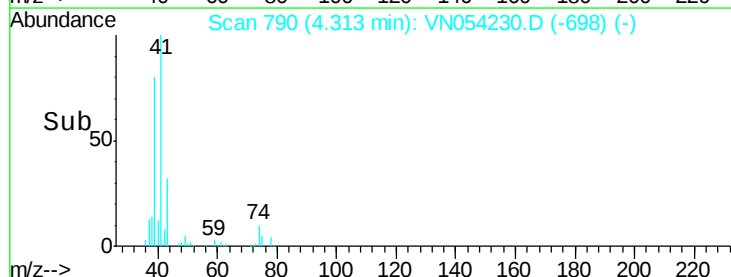
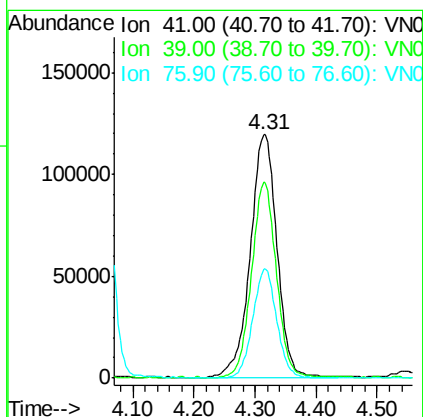
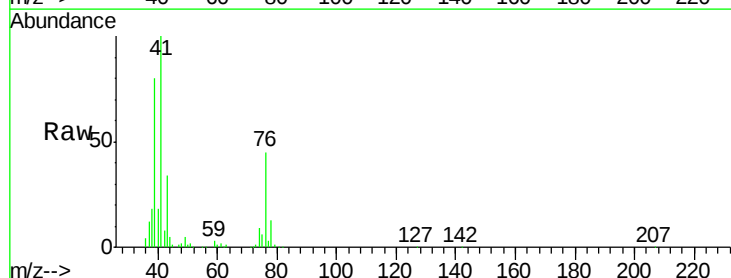
Tgt Ion: 41 Resp: 362915

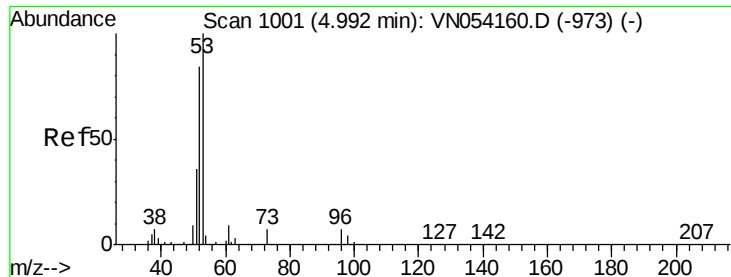
Ion Ratio Lower Upper

41 100

39 74.2 58.2 87.4

76 40.1 31.7 47.5





#15

Acrylonitrile

Concen: 110.153 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

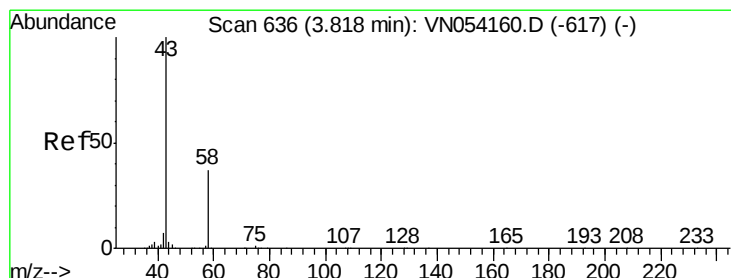
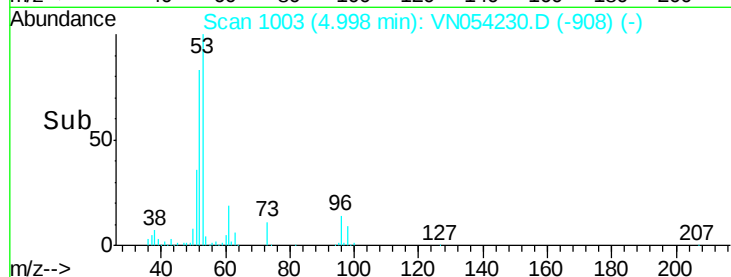
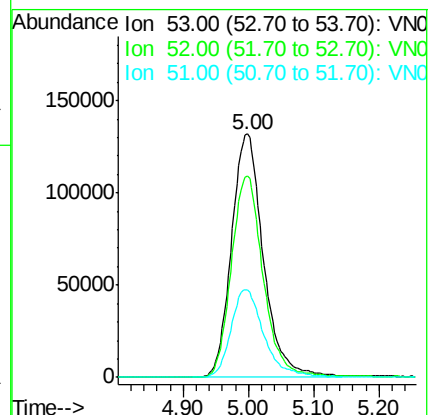
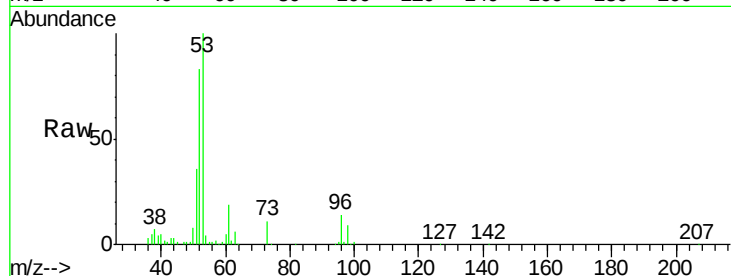
Tot Ion: 53 Resp: 447549

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

51 37.1 29.6 44.4



#16

Acetone

Concen: 83.656 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054230.D

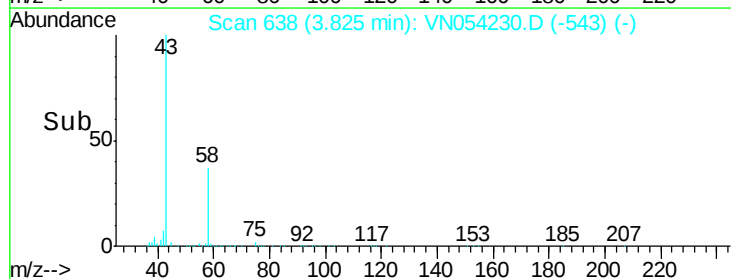
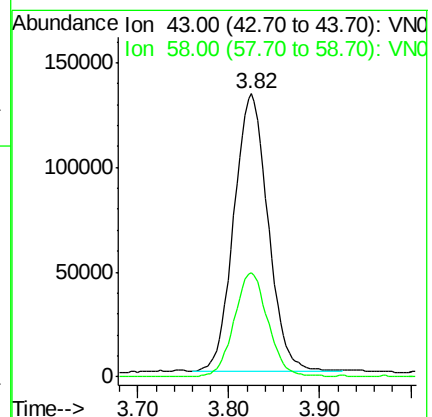
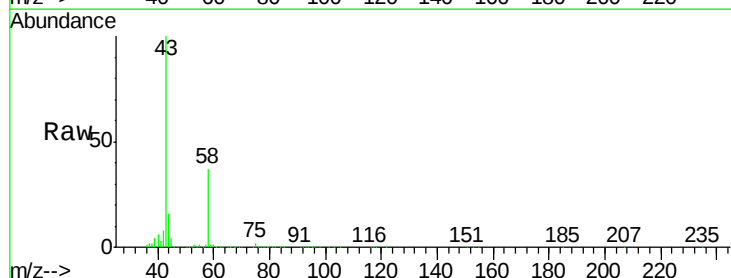
Acq: 14 Mar 2019 00:00

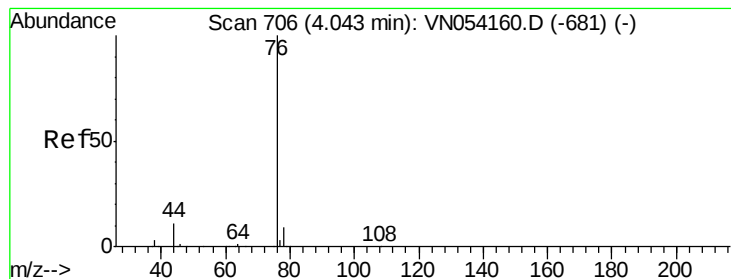
Tgt Ion: 43 Resp: 345593

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9





#17

Carbon Disulfide

Concen: 19.396 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

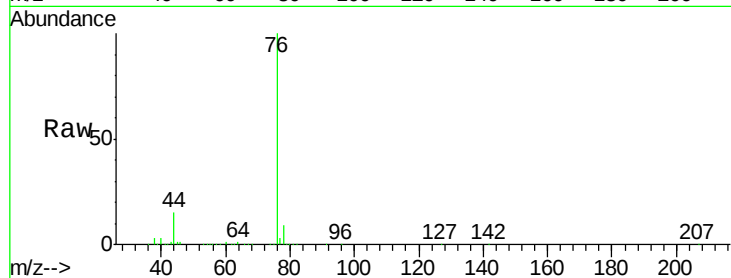
ClientSampled :

Tot Ion: 76 Resp: 686251

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054230.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054230.D (-613) (-)

4.04

250000

200000

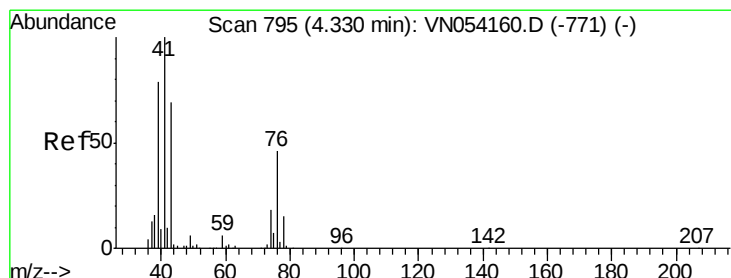
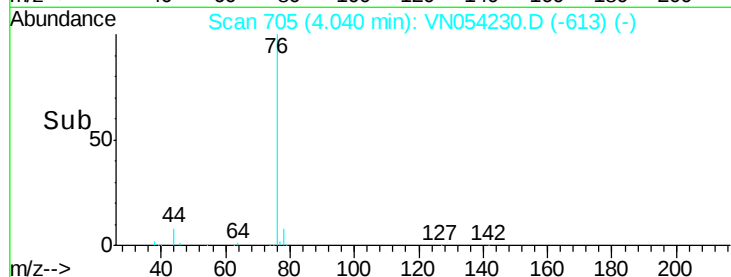
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.072 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054230.D

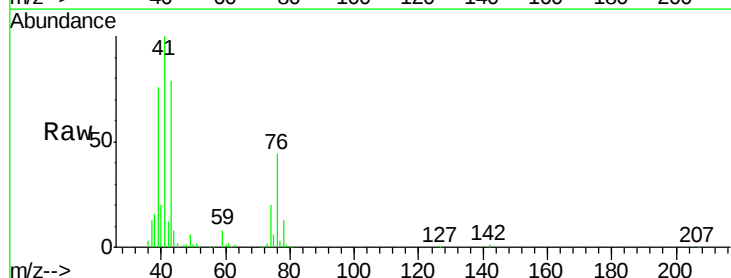
Acq: 14 Mar 2019 00:00

Tgt Ion: 43 Resp: 192838

Ion Ratio Lower Upper

43 100

74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054230.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054230.D (-702) (-)

4.33

80000

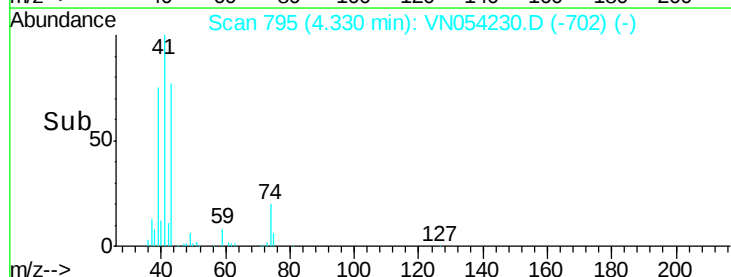
60000

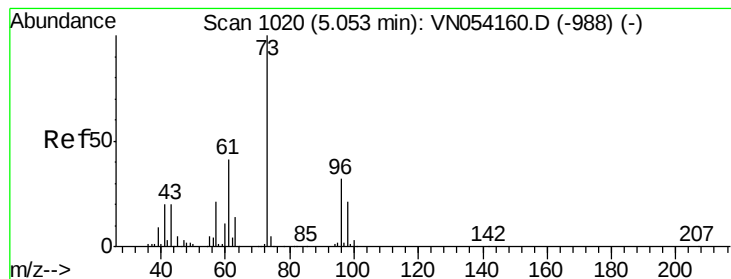
40000

20000

0

Time-->



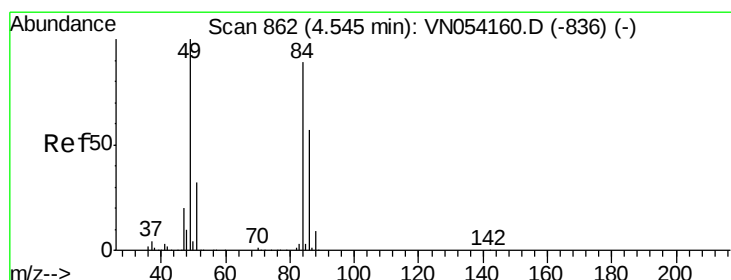
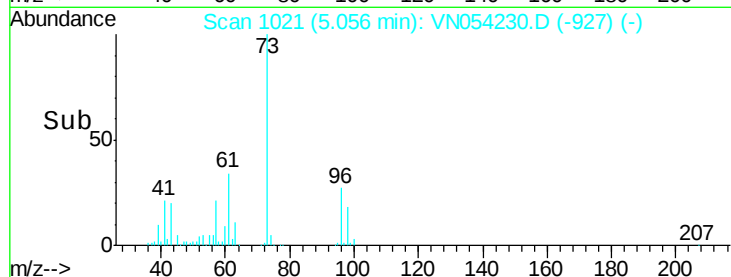
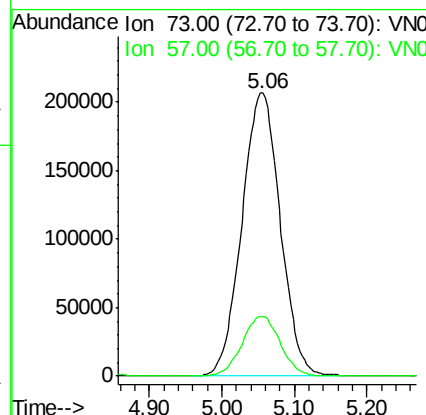
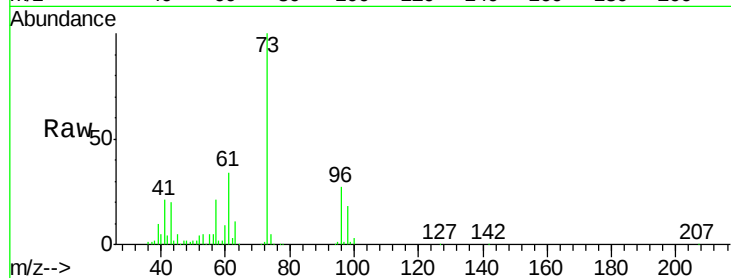


#19

Methyl tert-butyl Ether
 Concen: 21.787 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampled :

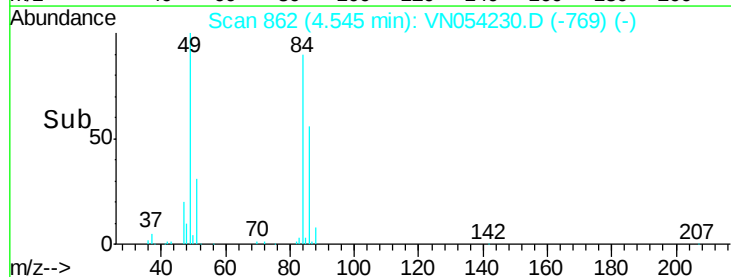
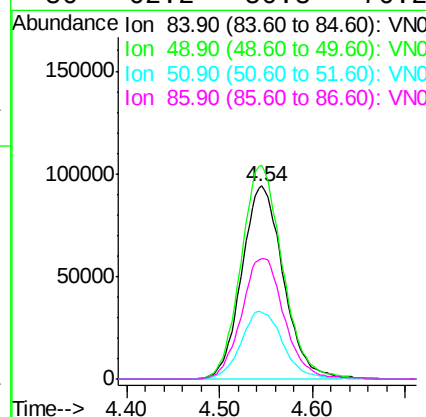
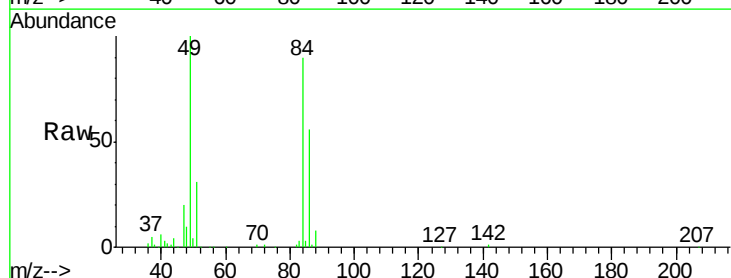
Tot Ion: 73 Resp: 762205
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.8 25.2



#20

Methylene Chloride
 Concen: 21.539 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 84 Resp: 292170
 Ion Ratio Lower Upper
 84 100
 49 110.8 89.7 134.5
 51 34.6 28.2 42.4
 86 62.2 50.8 76.2

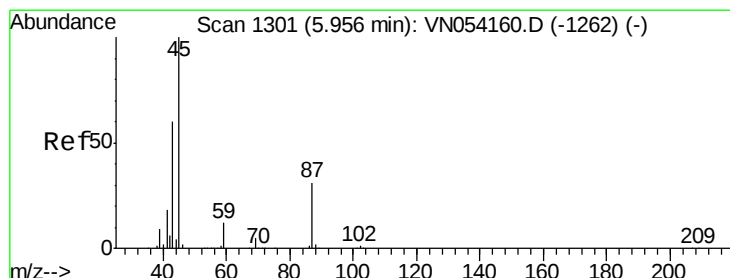
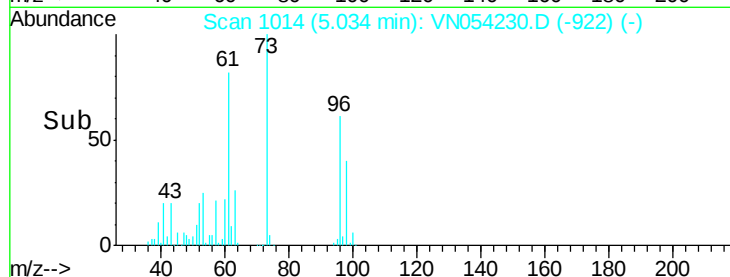
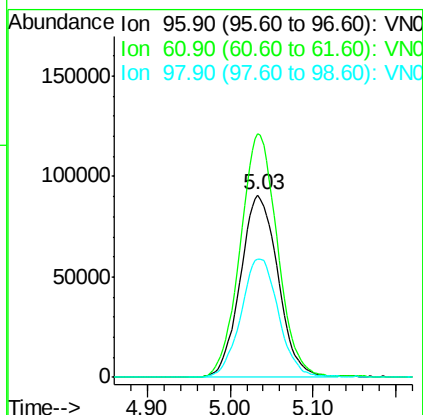
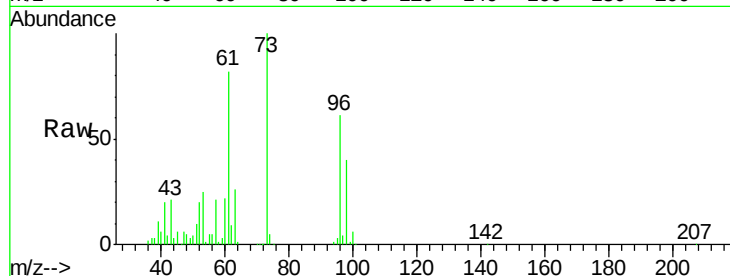




#21
trans-1,2-Dichloroethene
Concen: 21.217 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

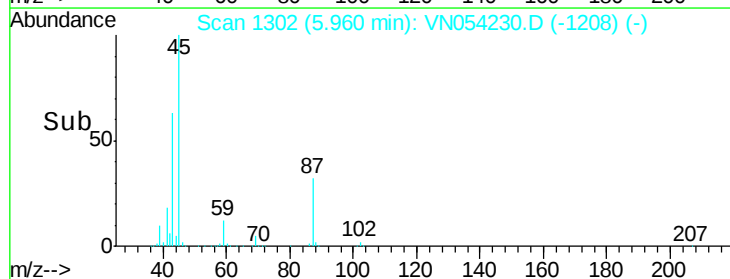
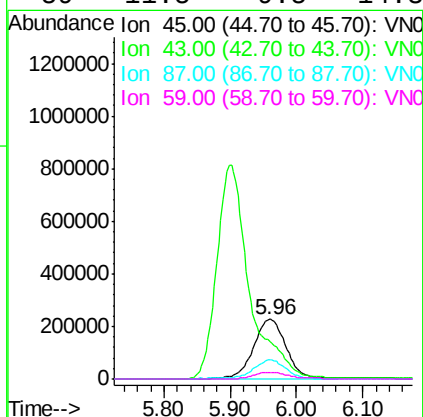
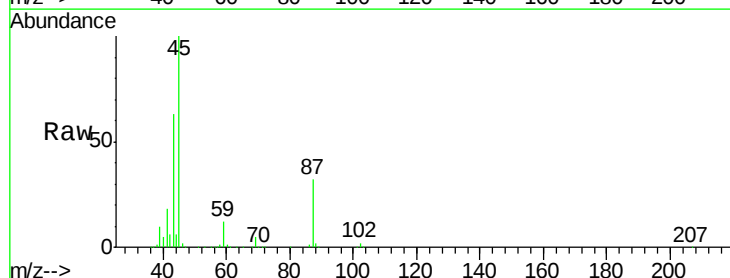
Instrument :
MSVOA_N
ClientSampleId :

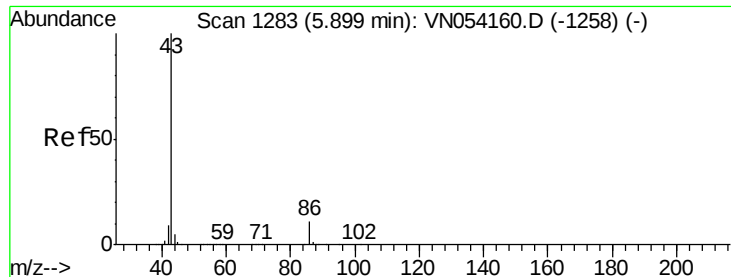
Tot Ion: 96 Resp: 286918
Ion Ratio Lower Upper
96 100
61 133.6 102.8 154.2
98 64.8 50.0 75.0



#22
Diisopropyl ether
Concen: 21.600 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 45 Resp: 780684
Ion Ratio Lower Upper
45 100
43 62.1 48.2 72.2
87 32.0 24.9 37.3
59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 104.770 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

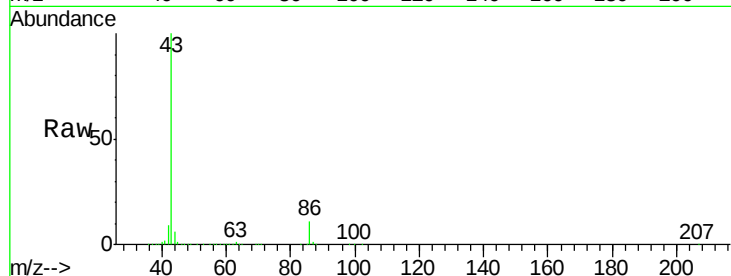
ClientSampleId :

Tot Ion: 43 Resp: 2791892

Ion Ratio Lower Upper

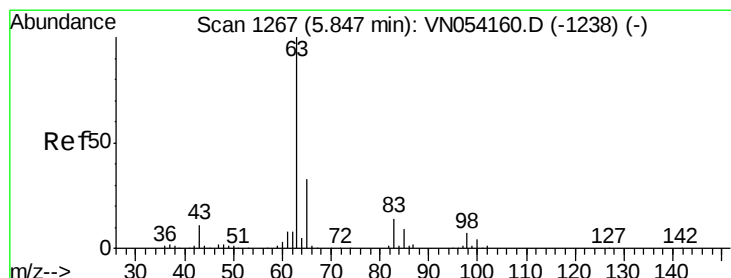
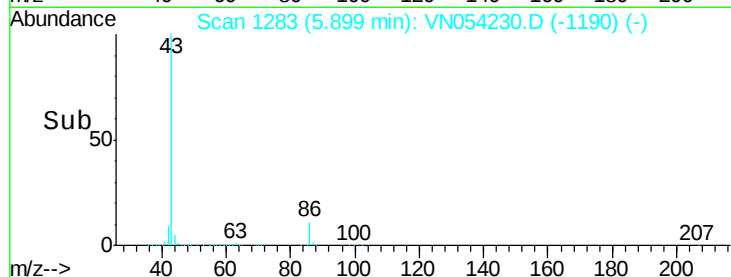
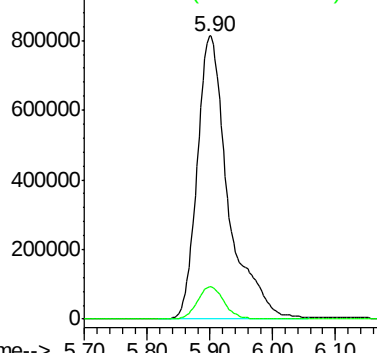
43 100

86 11.4 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: 21.676 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

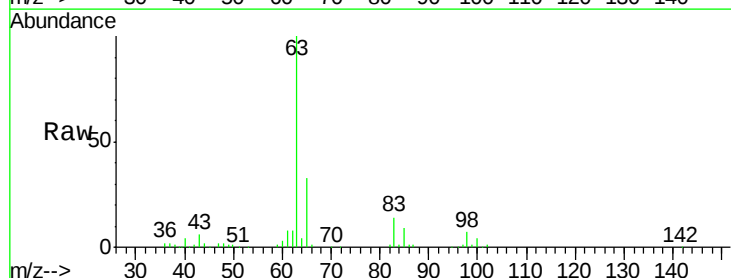
Tgt Ion: 63 Resp: 503030

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

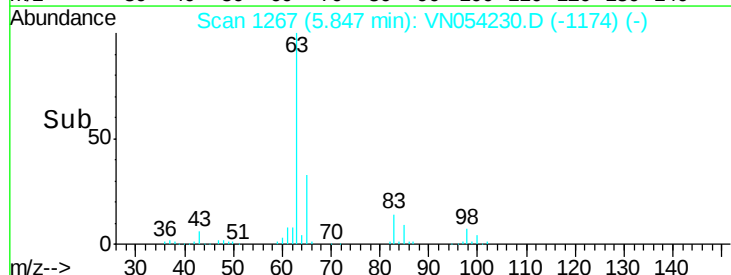
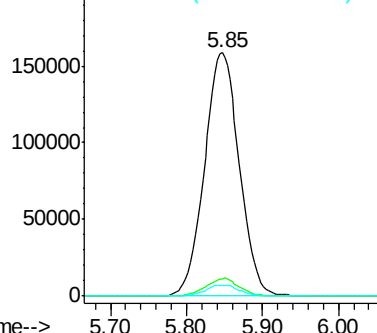
100 4.5 2.0 6.0

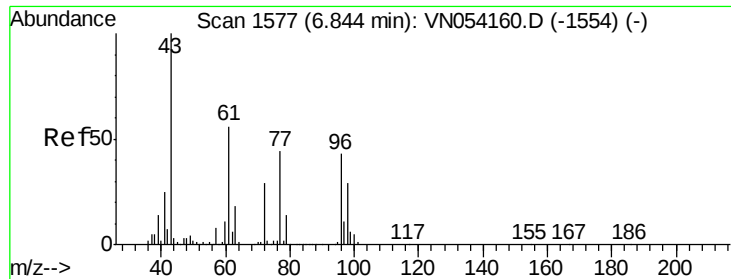


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

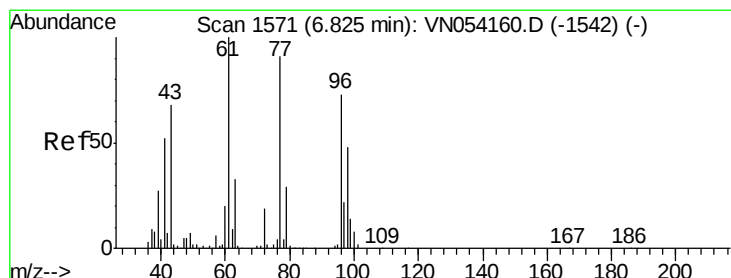
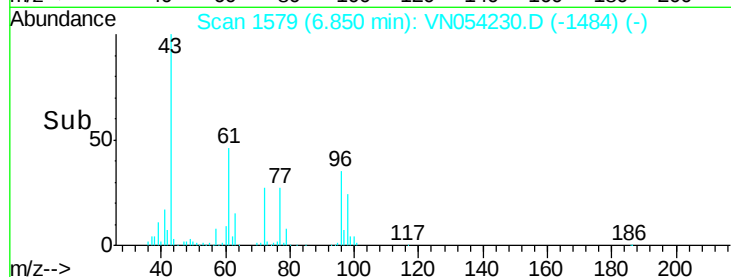
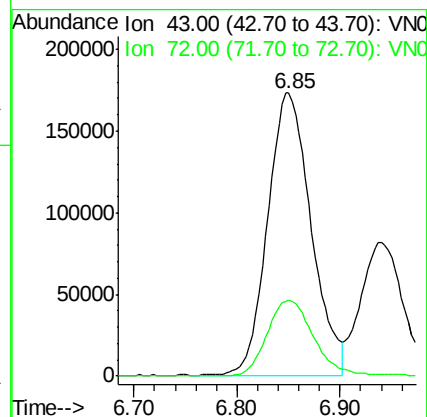
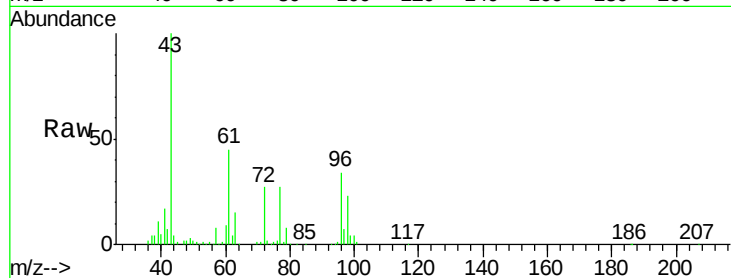




#25
2-Butanone
Concen: 104.094 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

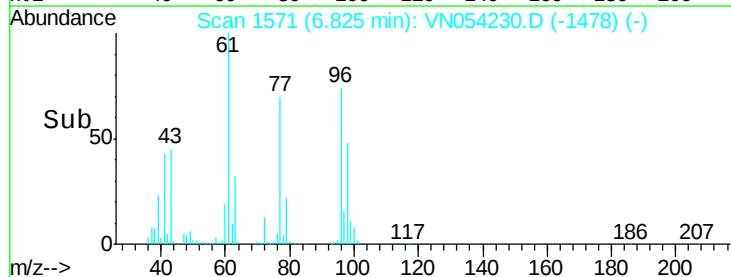
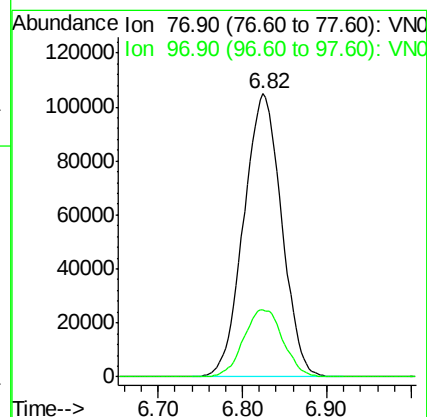
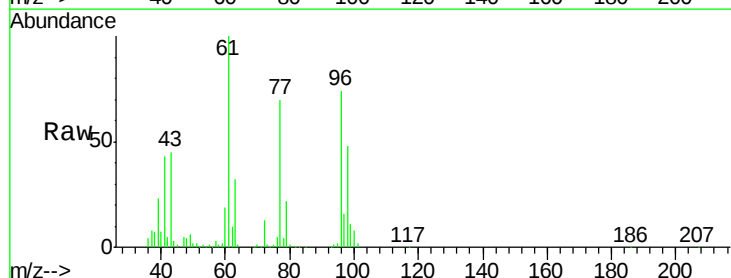
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 504718
Ion Ratio Lower Upper
43 100
72 26.9 23.0 34.6



#26
2,2-Dichloropropane
Concen: 16.049 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 77 Resp: 327521
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.172 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampleId :

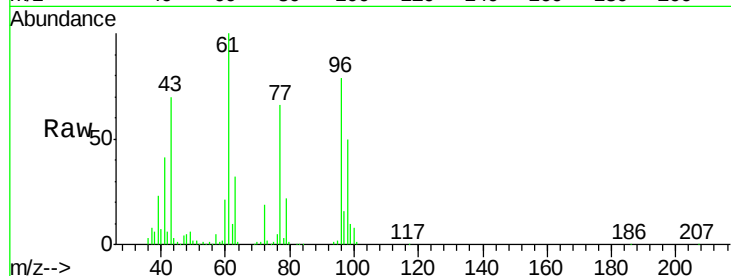
Tot Ion: 96 Resp: 334496

Ion Ratio Lower Upper

96 100

61 131.5 0.0 273.0

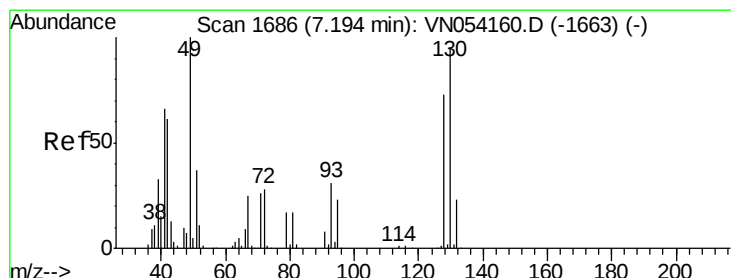
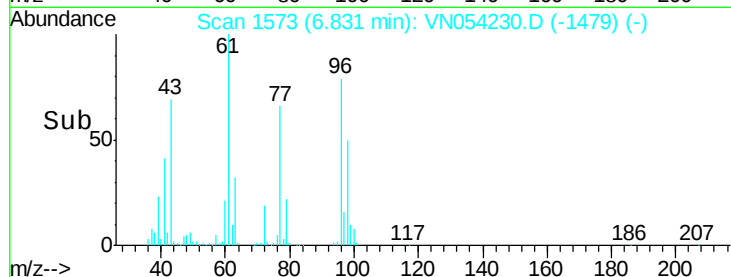
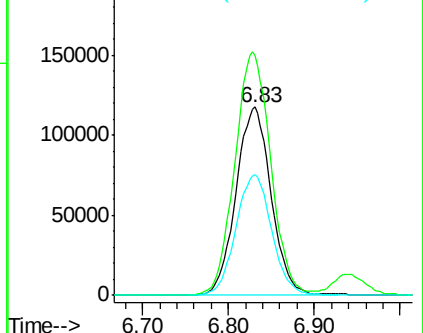
98 65.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054230.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054230.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054230.D (-1547) (-)



#28

Bromochloromethane

Concen: 22.373 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

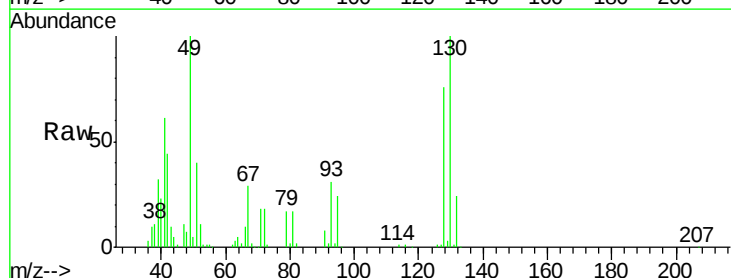
Tgt Ion: 49 Resp: 212252

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.6

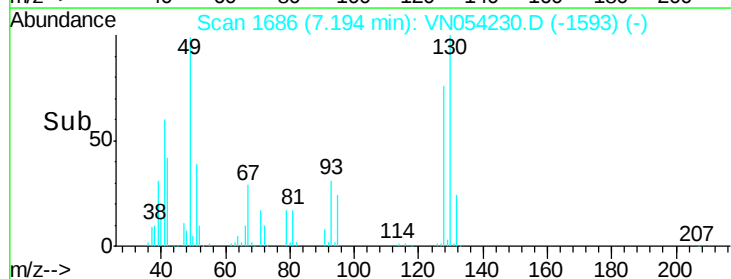
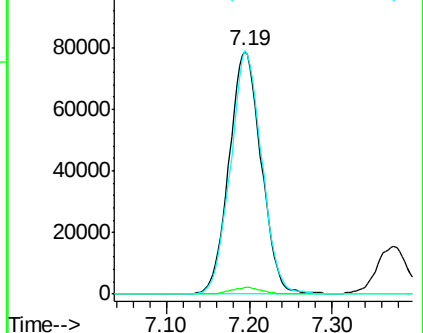
130 97.9 76.7 115.1

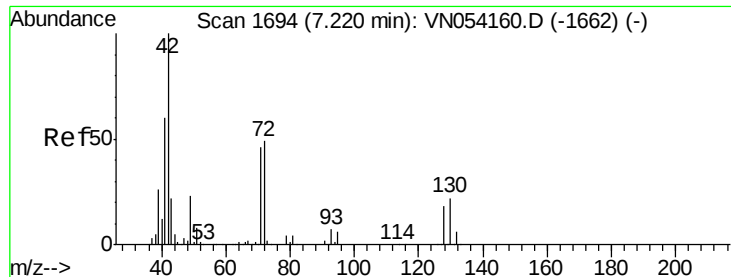


Abundance Ion 48.90 (48.60 to 49.60): VN054230.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054230.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054230.D (-1663) (-)

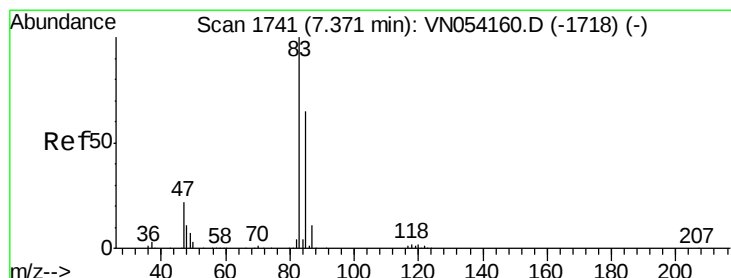
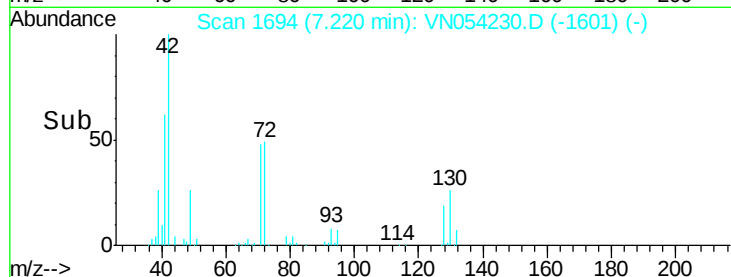
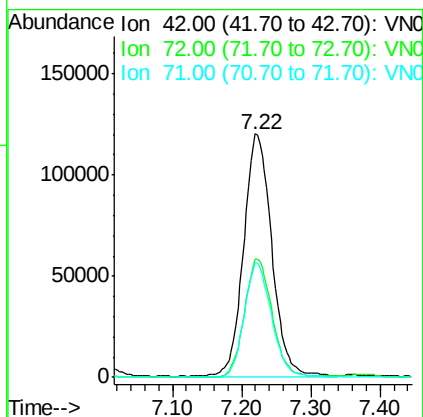
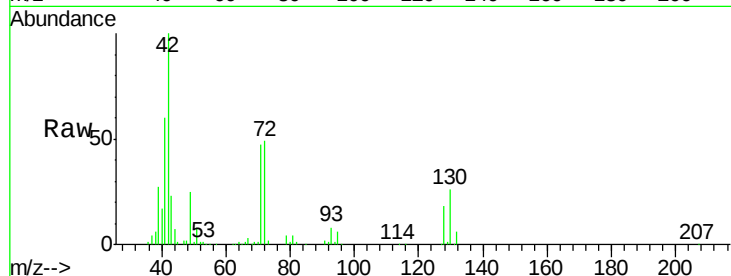




#29
Tetrahydrofuran
Concen: 108.609 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

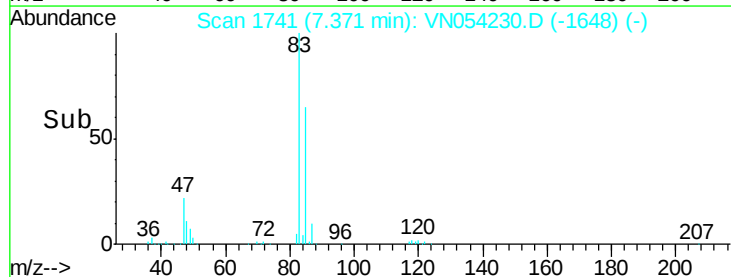
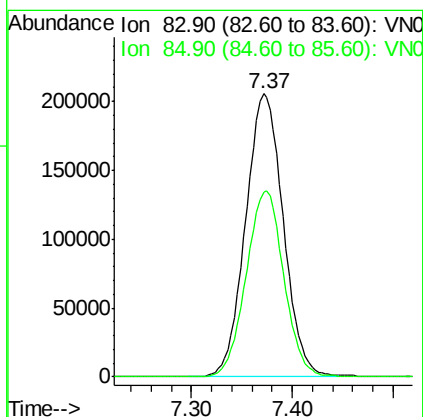
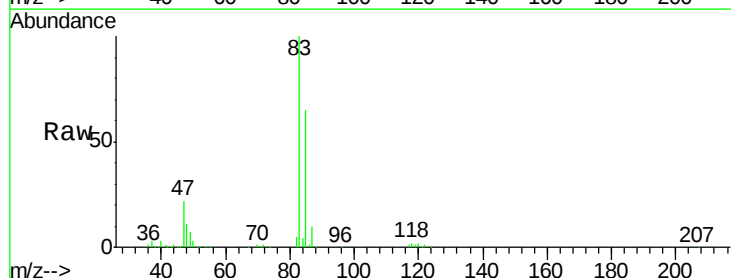
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 338591
Ion Ratio Lower Upper
42 100
72 47.7 37.8 56.6
71 45.6 36.2 54.2



#30
Chloroform
Concen: 21.988 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 83 Resp: 532459
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4

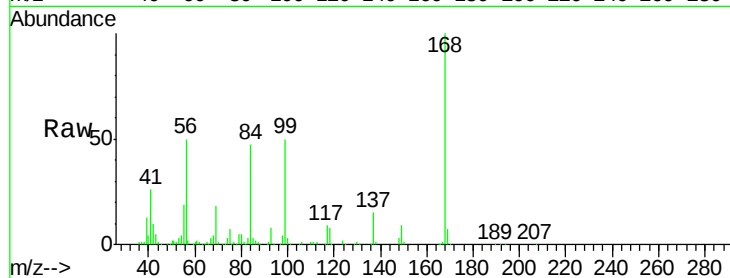




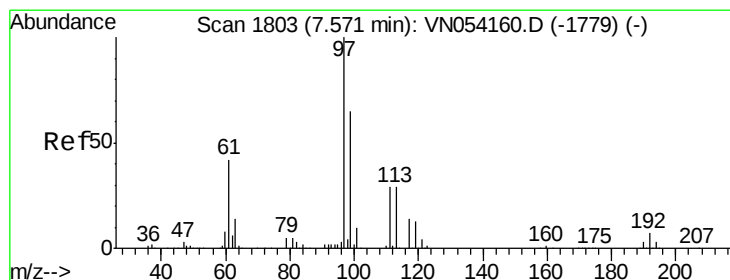
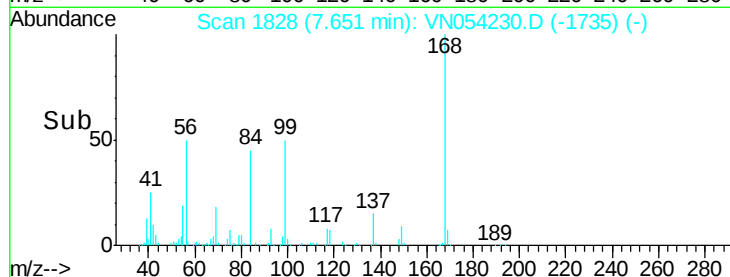
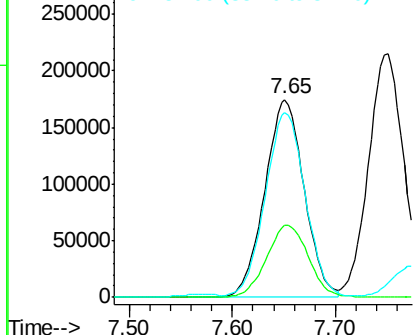
#31
Cvclohexane
Concen: 20.632 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 463282
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.6
84 92.1 74.6 111.8

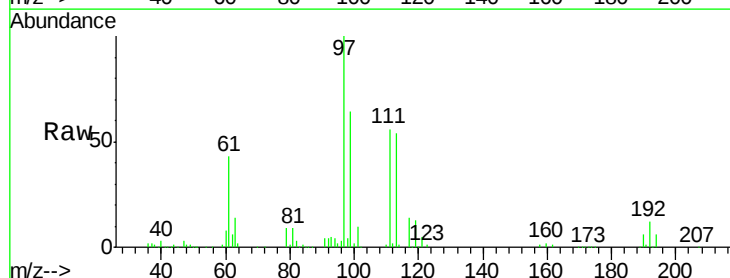


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

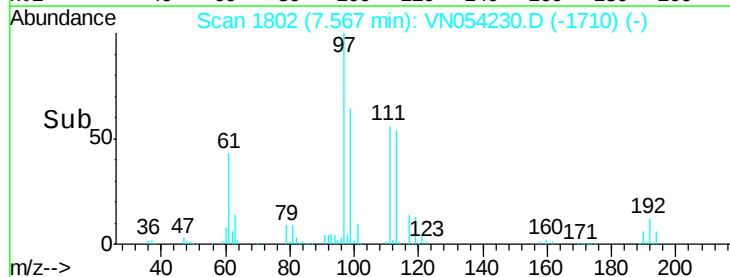
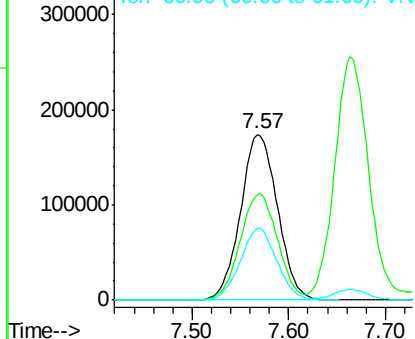


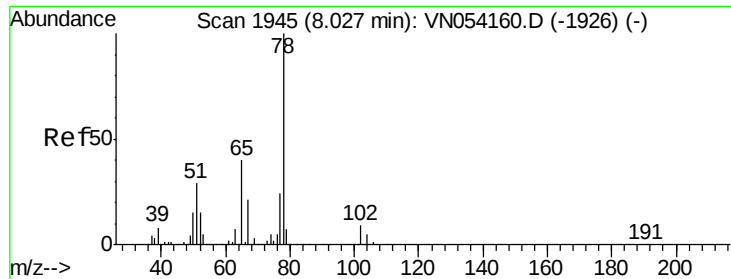
#32
1,1,1-Trichloroethane
Concen: 21.138 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 97 Resp: 462284
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 42.8 33.6 50.4



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

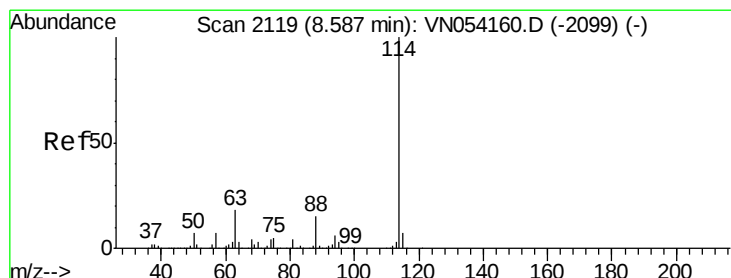
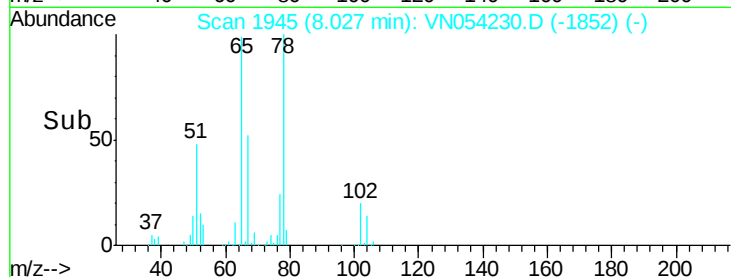
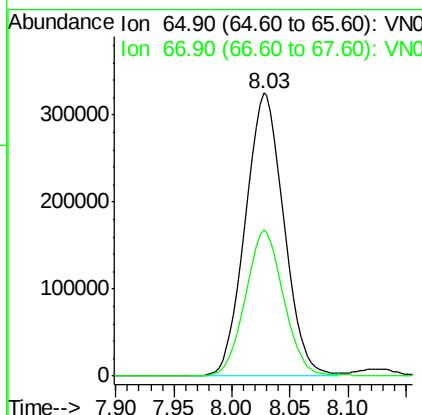
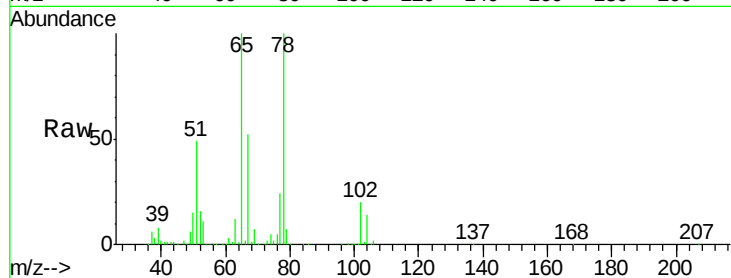




#33
 1,2-Dichloroethane-d4
 Concen: 52.262 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

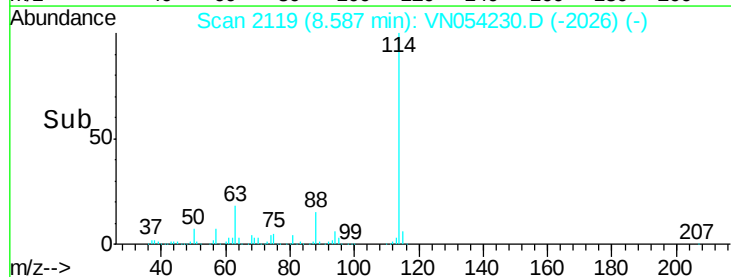
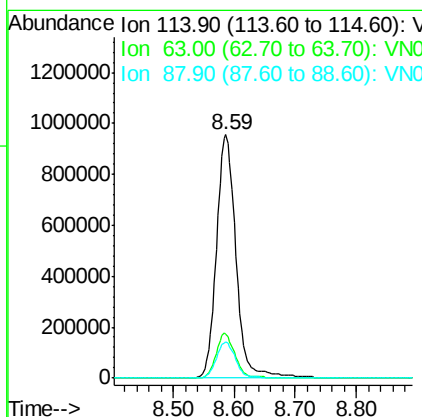
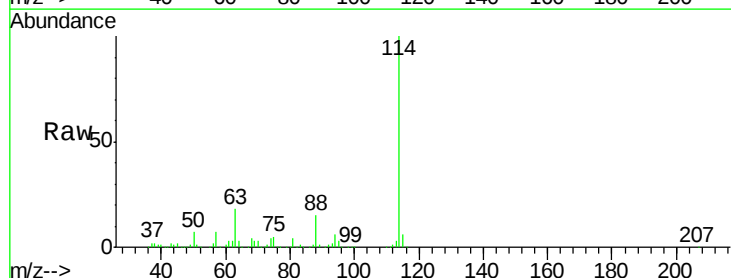
Instrument :
 MSVOA_N
 ClientSampleId :

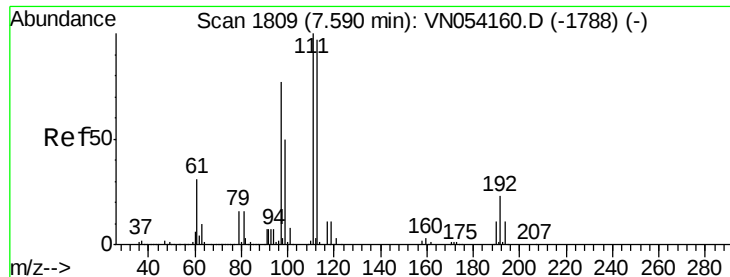
Tot Ion: 65 Resp: 754046
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 114 Resp: 2119408
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 14.7 0.0 30.2

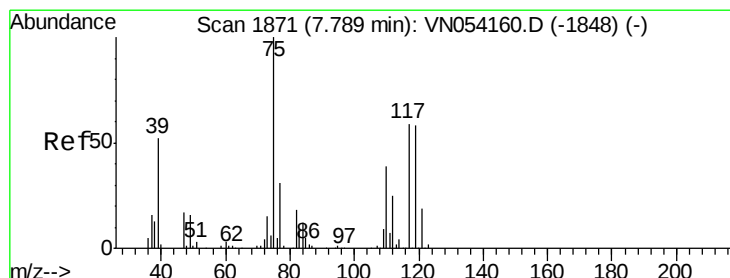
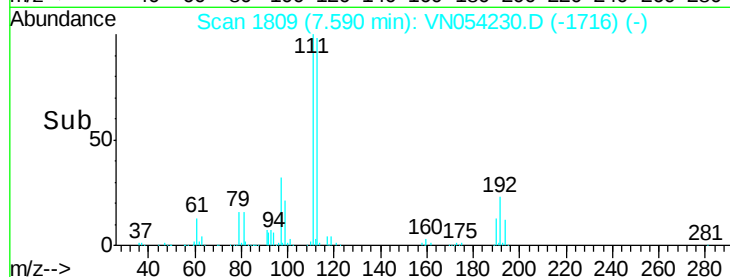
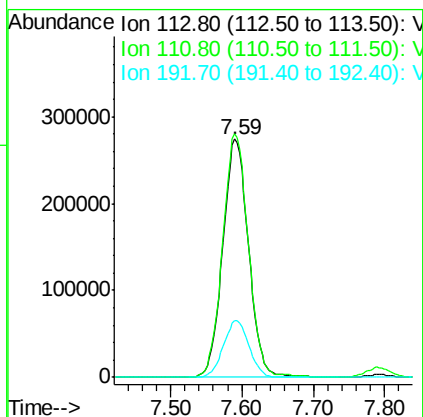
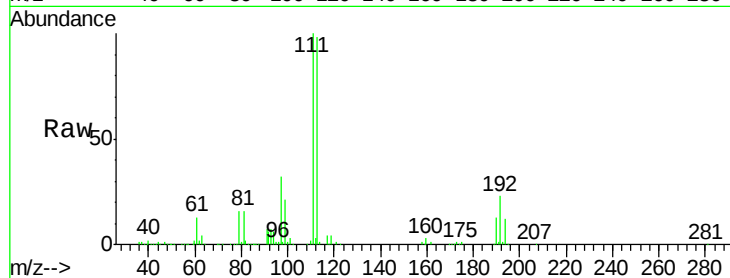




#35
 Dibromofluoromethane
 Concen: 50.401 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

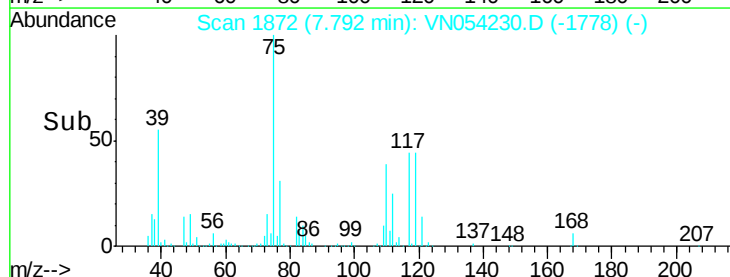
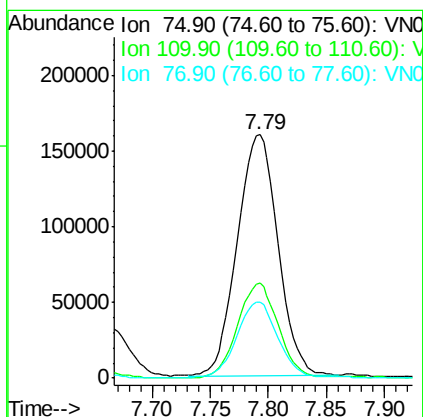
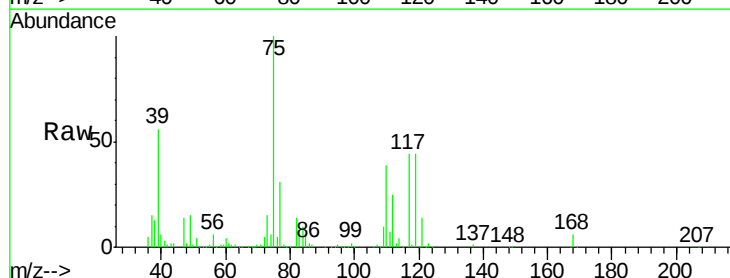
Instrument :
 MSVOA_N
 ClientSampleId :

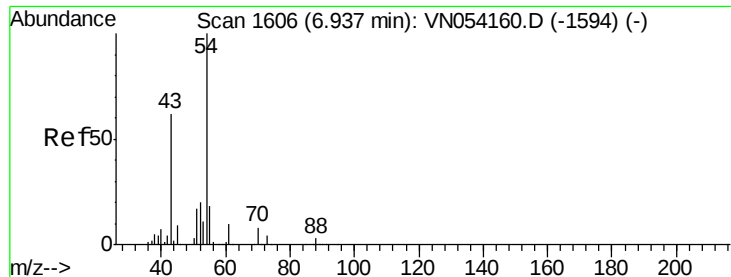
Tot Ion:113 Resp: 688949
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 23.7 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.990 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 75 Resp: 390161
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.1 57.5
 77 32.2 25.0 37.4

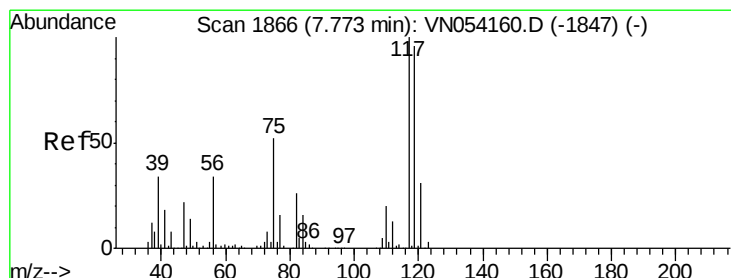
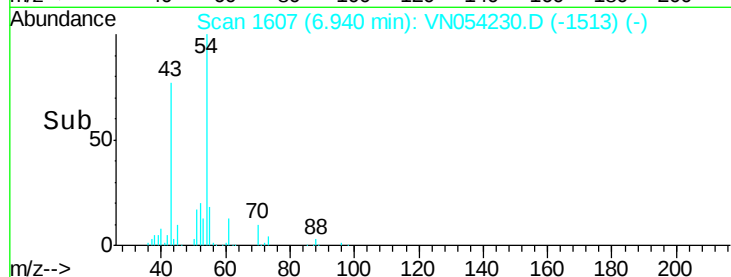
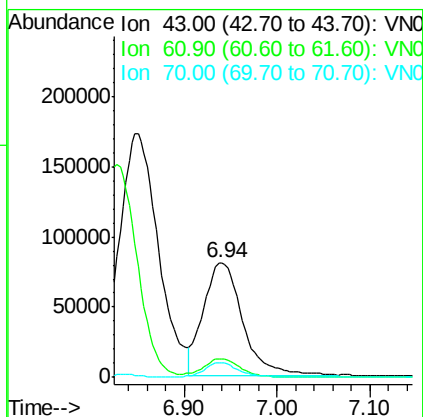
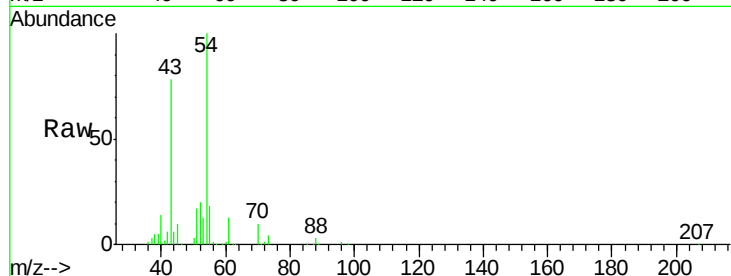




#37
Ethyl Acetate
Concen: 21.095 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

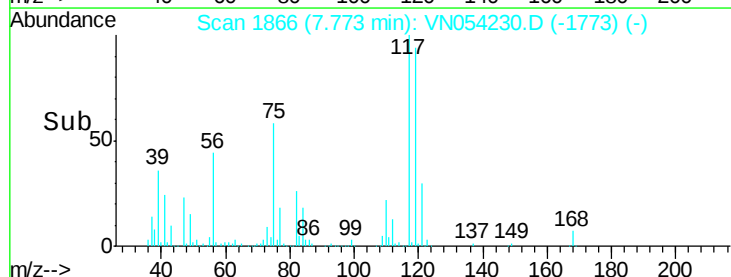
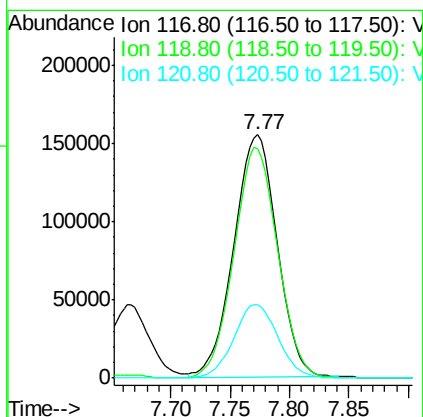
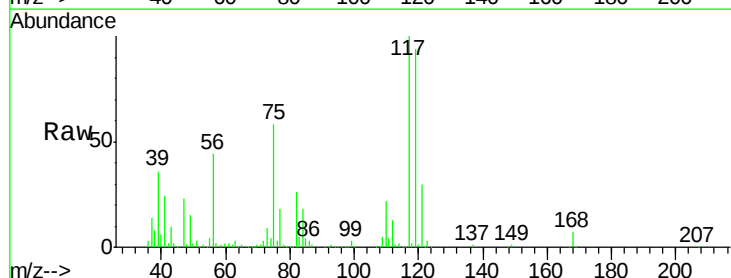
Instrument :
MSVOA_N
ClientSampled :

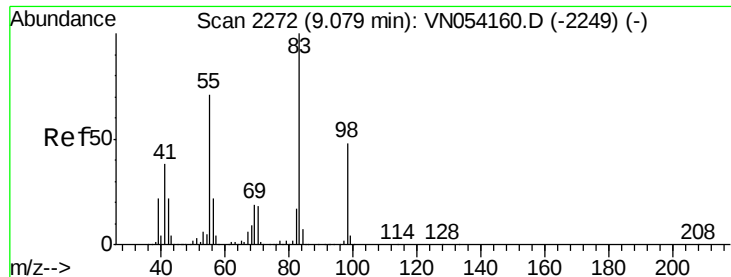
Tot Ion: 43 Resp: 236574
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.083 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 117 Resp: 390596
Ion Ratio Lower Upper
117 100
119 94.3 76.3 114.5
121 30.2 24.6 36.8

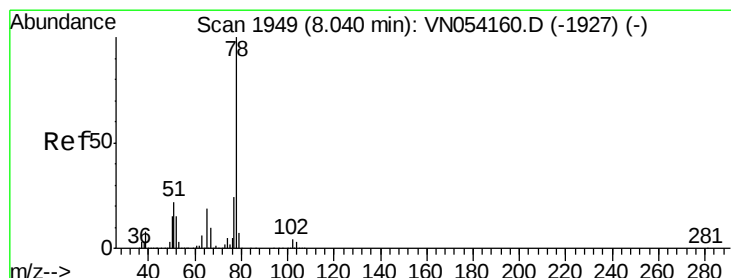
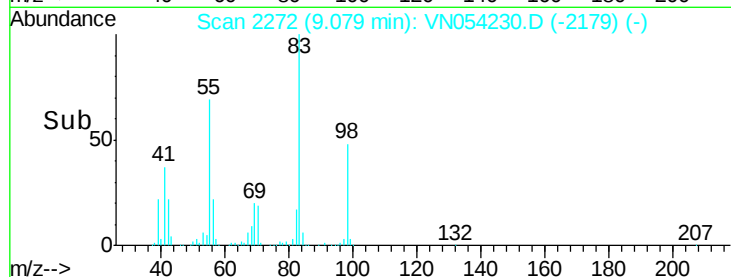
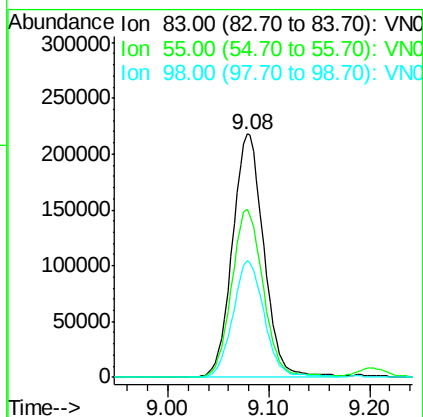
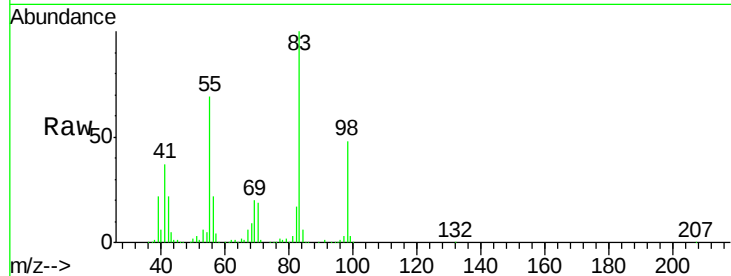




#39
Methvlcvclohexane
Concen: 19.611 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

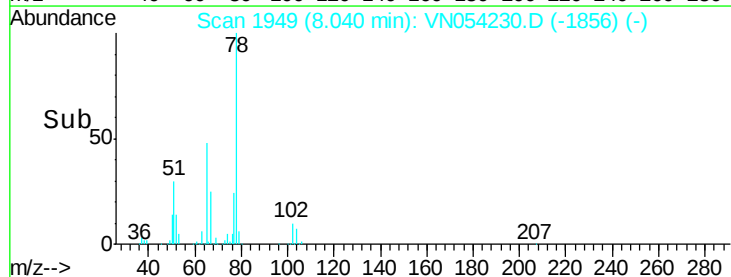
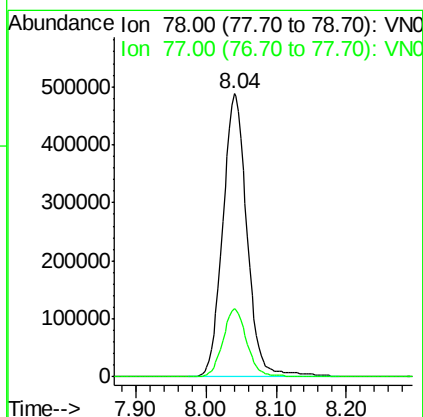
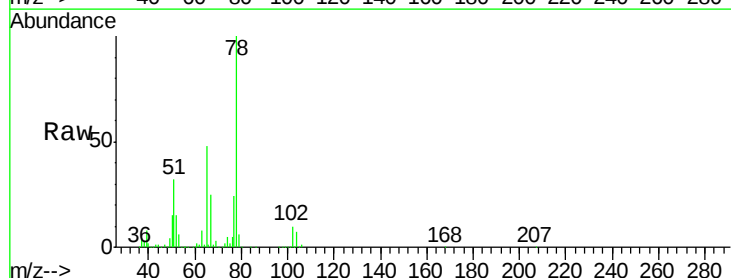
Instrument :
MSVOA_N
ClientSampled :

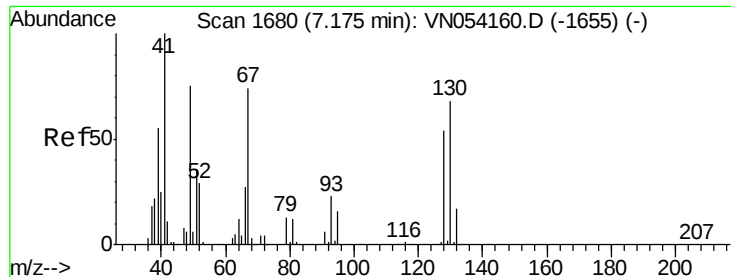
Tot Ion: 83 Resp: 470945
Ion Ratio Lower Upper
83 100
55 68.8 56.6 84.8
98 47.8 38.4 57.6



#40
Benzene
Concen: 21.040 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 78 Resp: 1175145
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

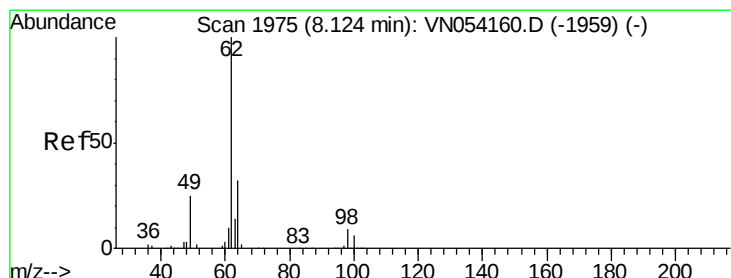
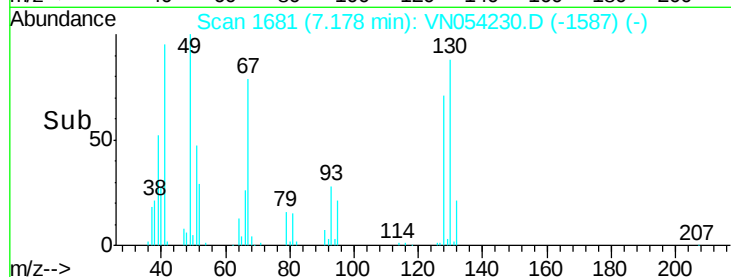
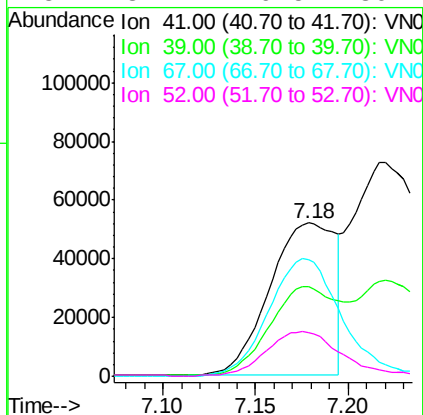
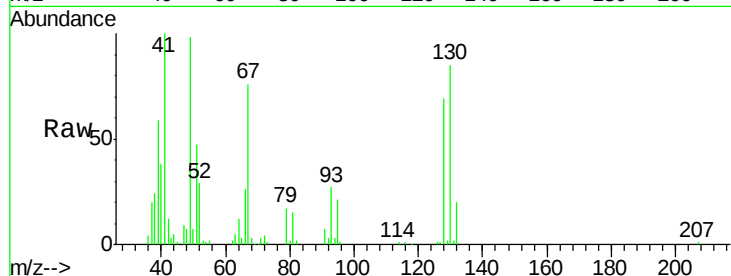




#41
Methacrylonitrile
Concen: 20.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

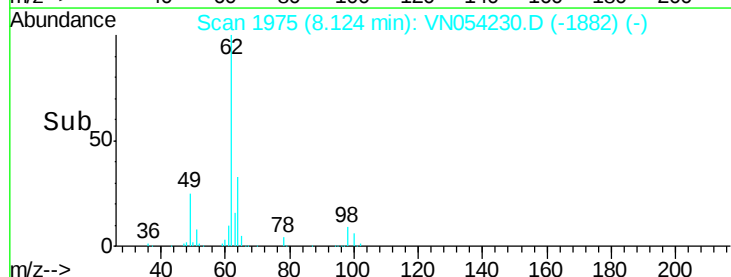
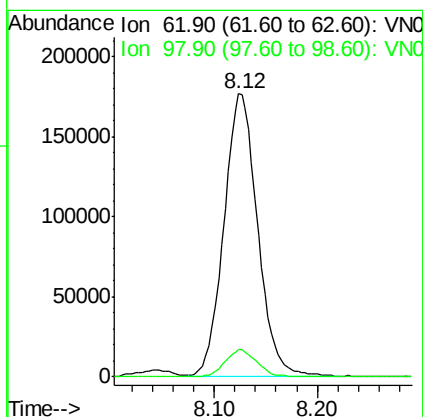
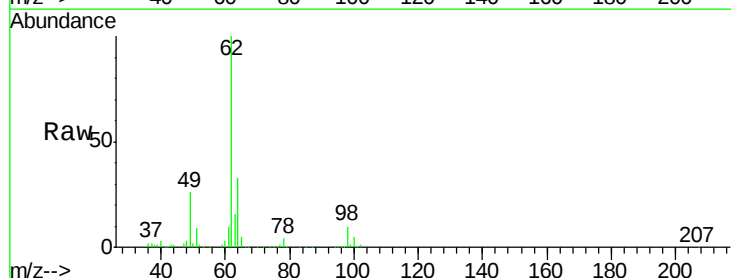
Instrument :
MSVOA_N
ClientSampled :

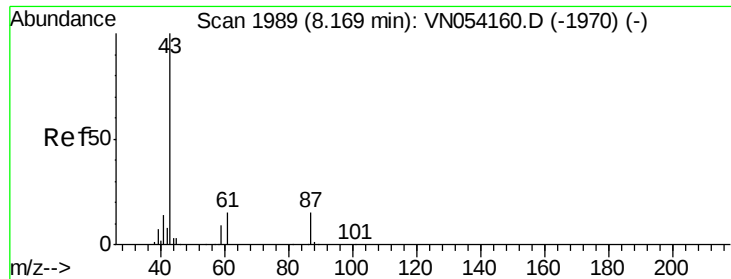
Tot Ion:	41	Resp:	128069
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.8	70.2
67	86.2	67.0	100.4
52	34.1	26.5	39.7



#42
1,2-Dichloroethane
Concen: 21.240 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion:	62	Resp:	400525
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.891 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampled :

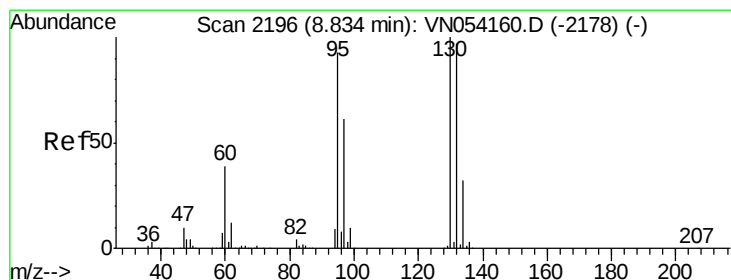
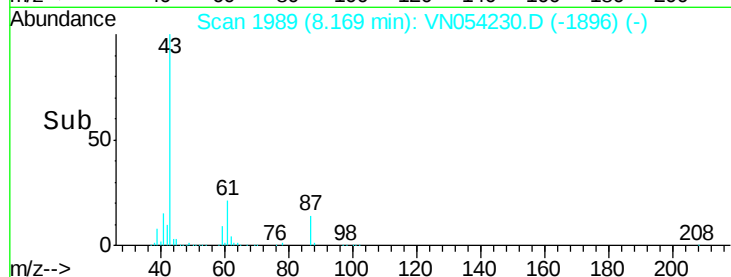
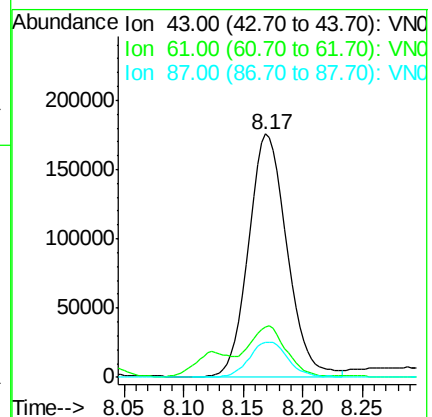
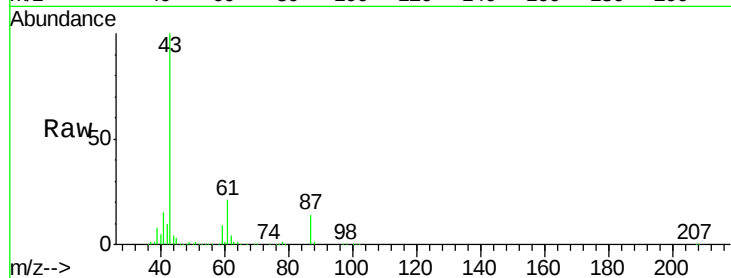
Tot Ion: 43 Resp: 391552

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.8

87 14.5 12.0 18.0



#44

Trichloroethene

Concen: 20.930 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054230.D

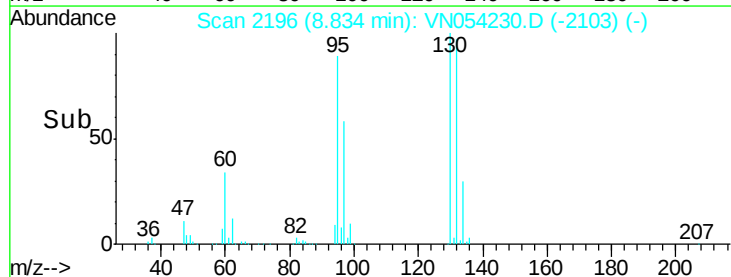
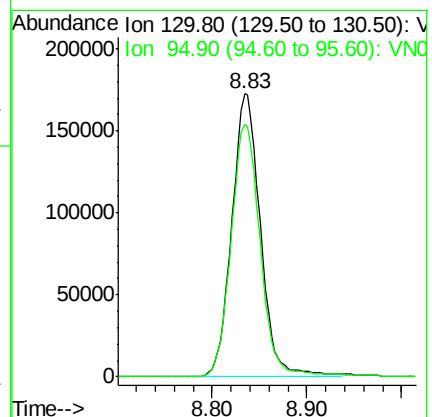
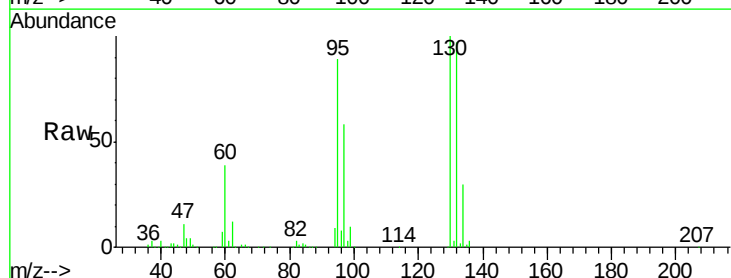
Acq: 14 Mar 2019 00:00

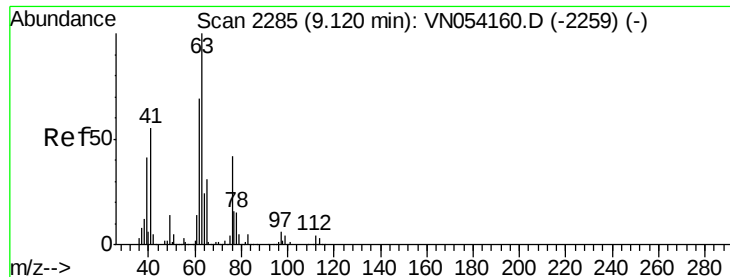
Tgt Ion:130 Resp: 363153

Ion Ratio Lower Upper

130 100

95 89.2 0.0 185.2

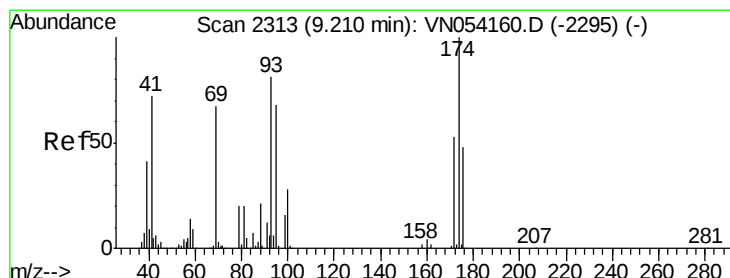
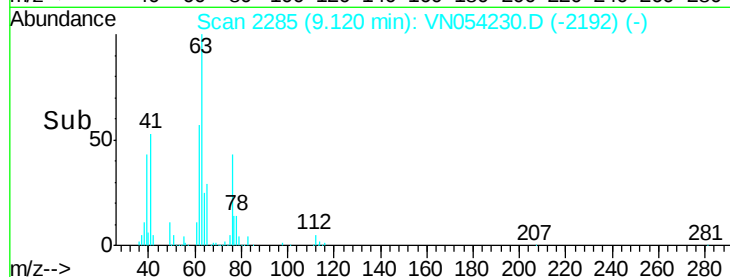
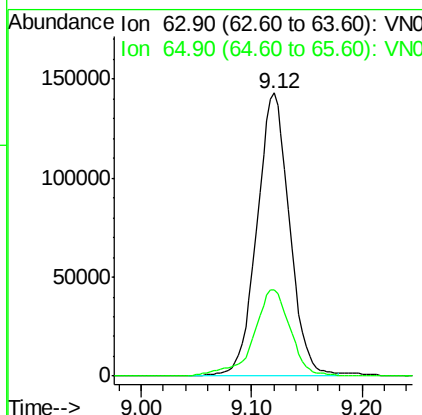
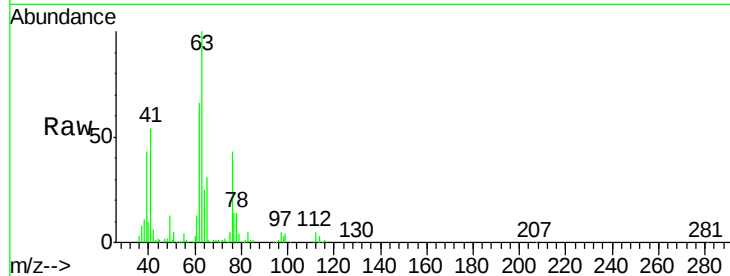




#45
 1,2-Dichloropropane
 Concen: 21.123 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

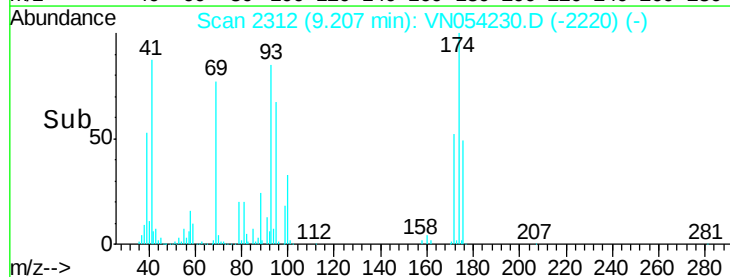
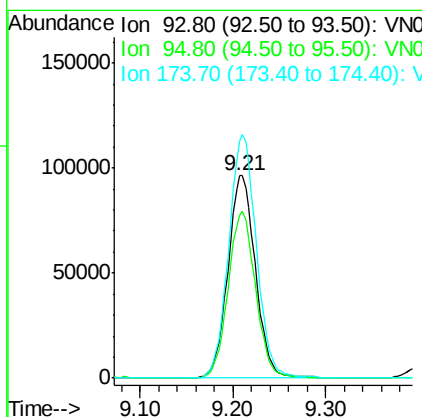
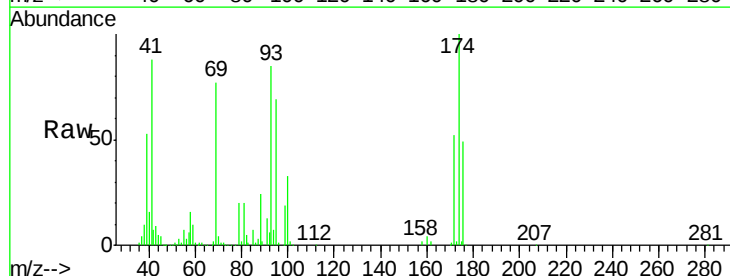
Instrument :
 MSVOA_N
 ClientSampleId :

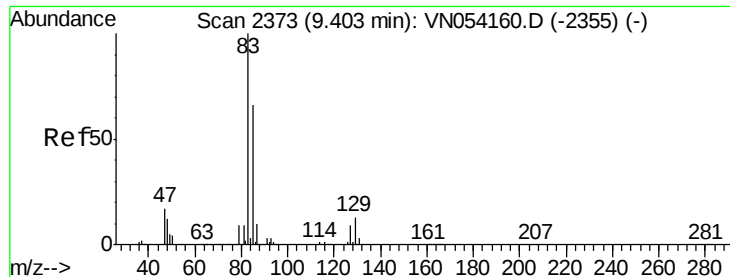
Tot Ion: 63 Resp: 292950
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 21.153 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 93 Resp: 198212
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.7 100.1
 174 120.5 98.5 147.7





#47

Bromodichloromethane

Concen: 20.536 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampled :

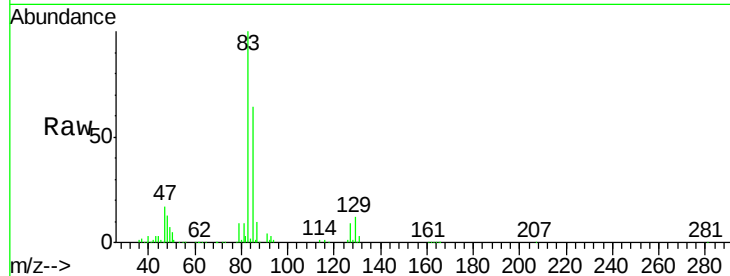
Tot Ion: 83 Resp: 385776

Ion Ratio Lower Upper

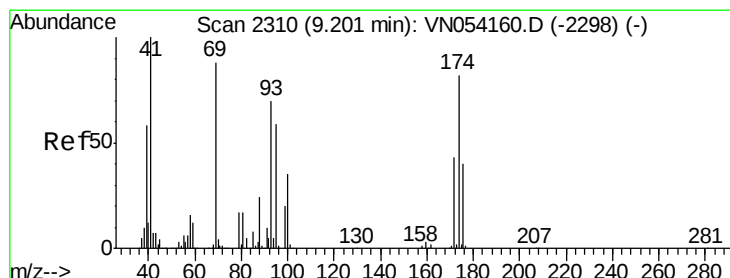
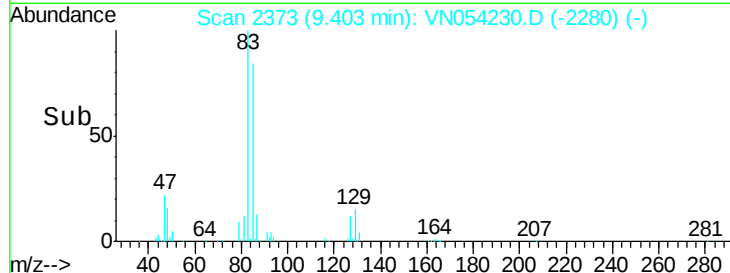
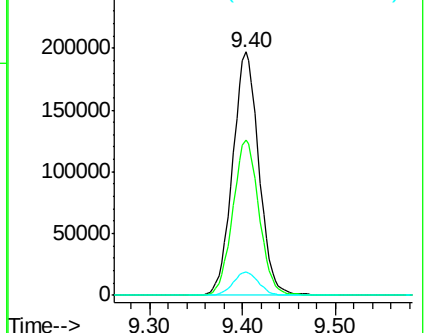
83 100

85 64.0 52.8 79.2

127 9.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.240 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

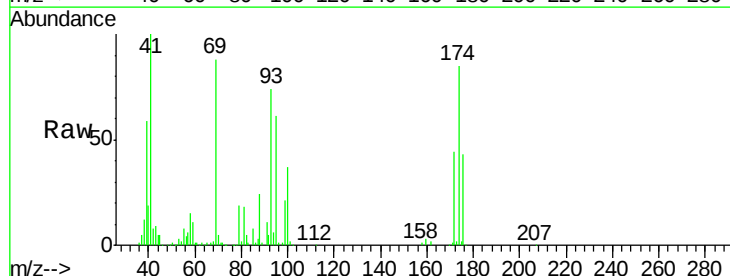
Tgt Ion: 41 Resp: 212183

Ion Ratio Lower Upper

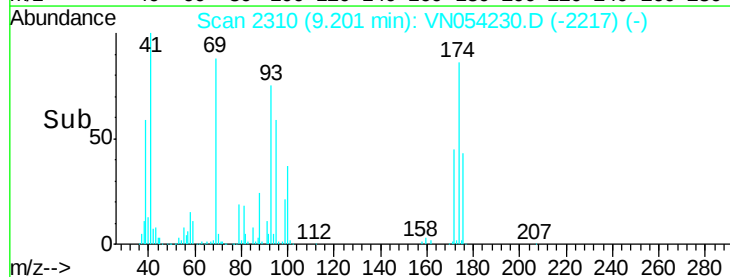
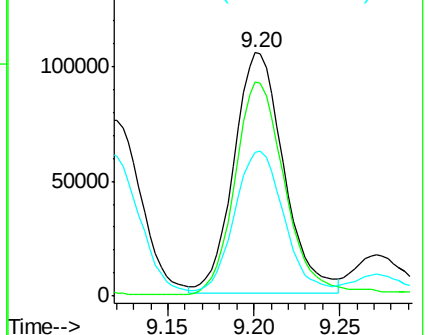
41 100

69 89.4 72.6 108.8

39 59.0 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 445.314 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :
MSVOA_N
ClientSampled :

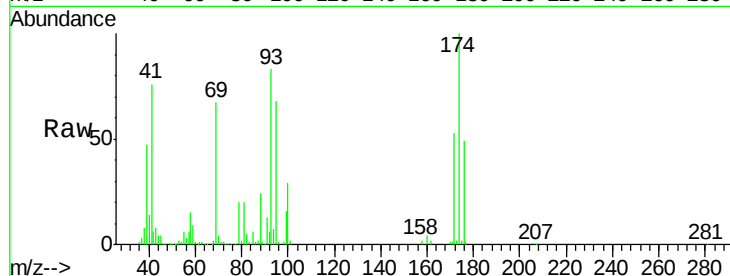
Tot Ion: 88 Resp: 62925

Ion Ratio Lower Upper

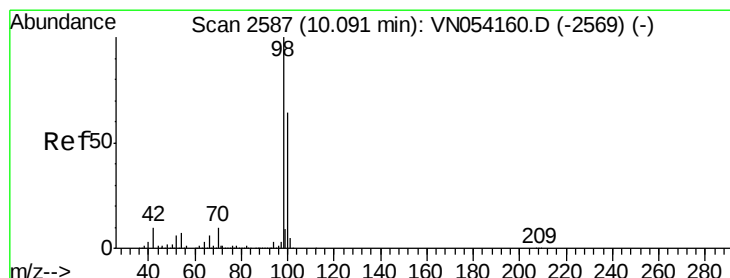
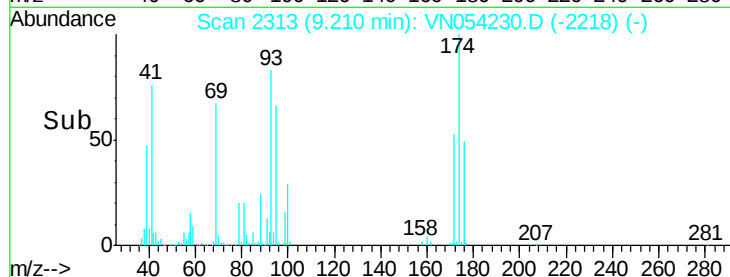
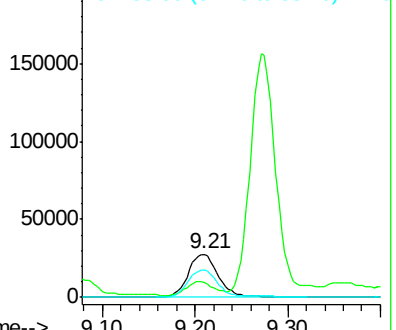
88 100

43 28.1 24.1 36.1

58 61.7 50.8 76.2



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



#50

Toluene-d8

Concen: 48.984 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054230.D

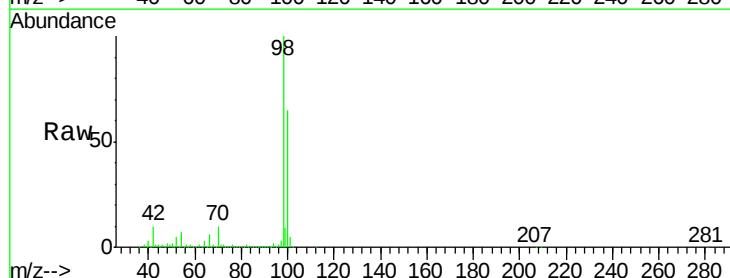
Acq: 14 Mar 2019 00:00

Tgt Ion: 98 Resp: 2472852

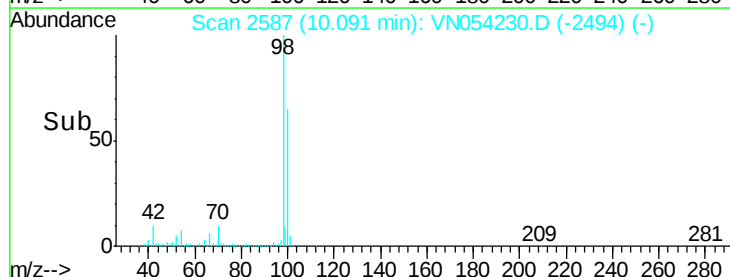
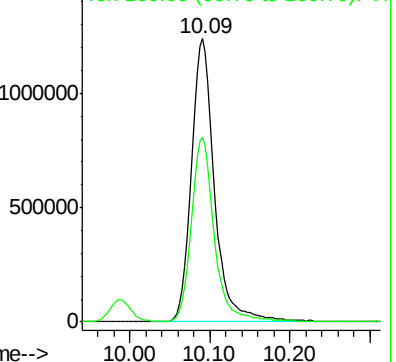
Ion Ratio Lower Upper

98 100

100 65.1 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 106.296 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

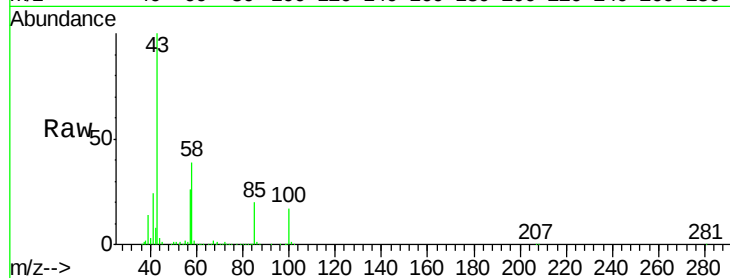
ClientSampled :

Tot Ion: 43 Resp: 1107328

Ion Ratio Lower Upper

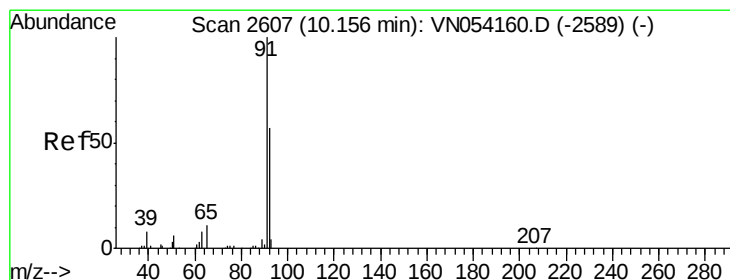
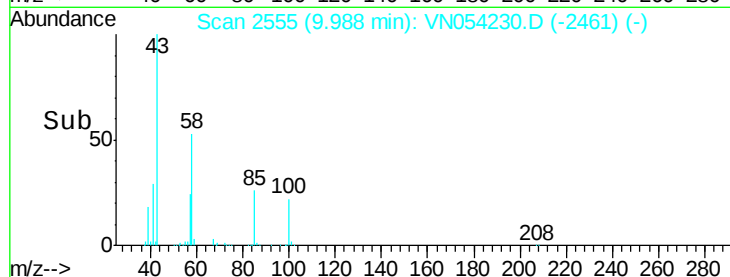
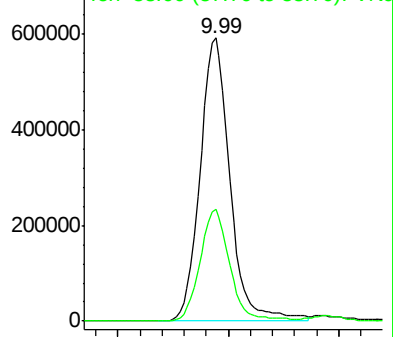
43 100

58 39.4 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.873 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054230.D

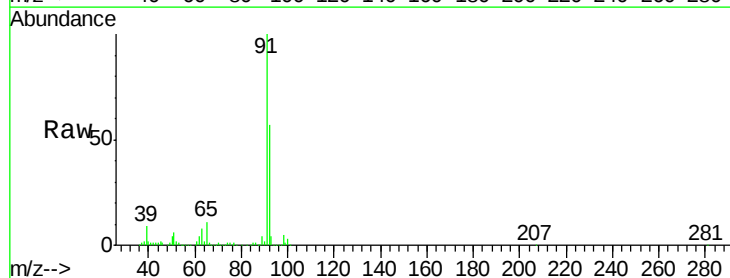
Acq: 14 Mar 2019 00:00

Tgt Ion: 92 Resp: 739194

Ion Ratio Lower Upper

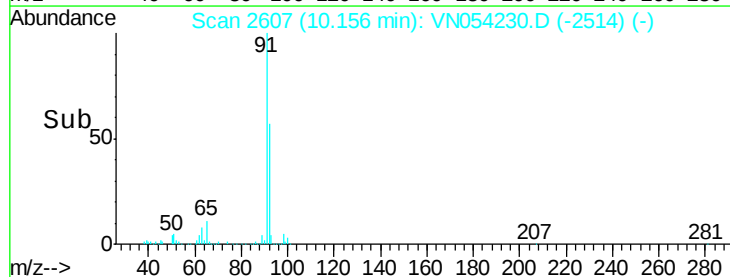
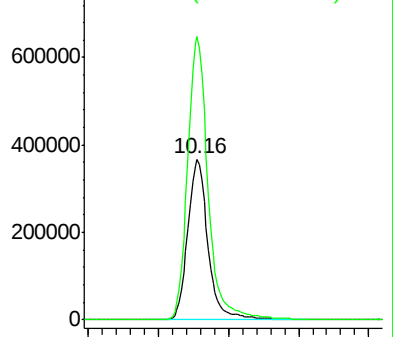
92 100

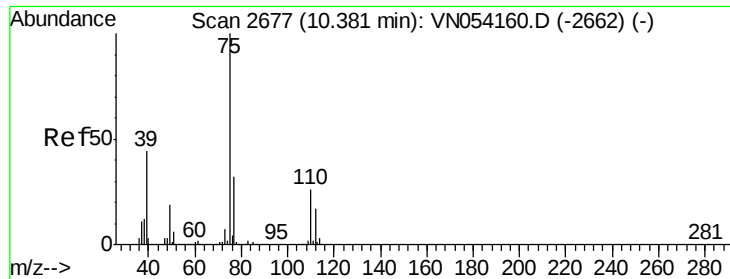
91 176.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.829 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

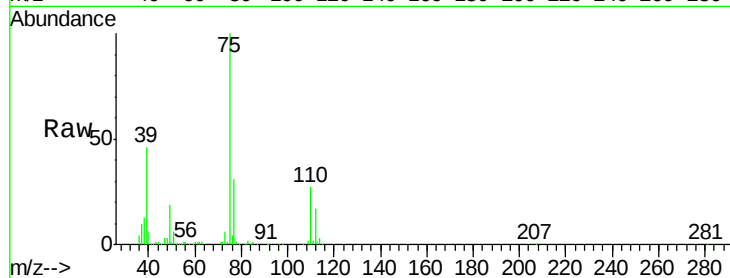
ClientSampled :

Tot Ion: 75 Resp: 354493

Ion Ratio Lower Upper

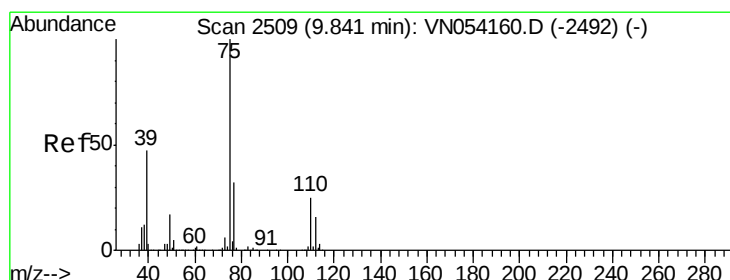
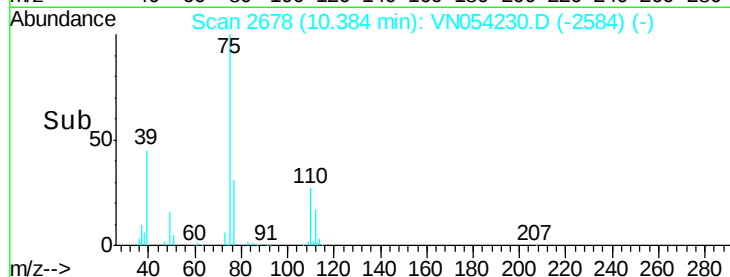
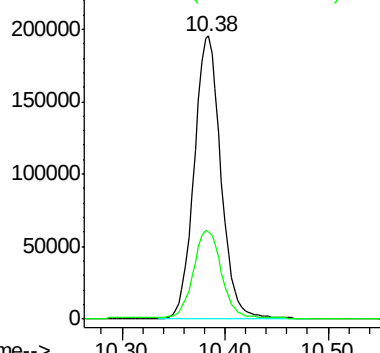
75 100

77 30.9 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 19.447 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

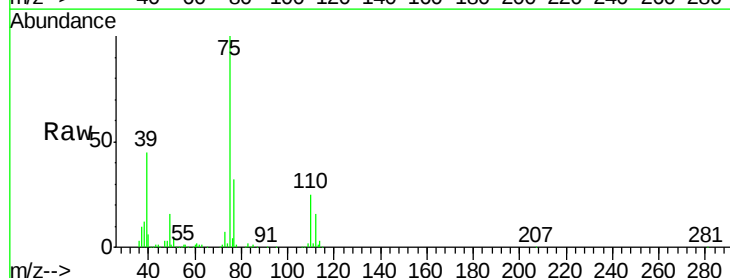
Tgt Ion: 75 Resp: 425708

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

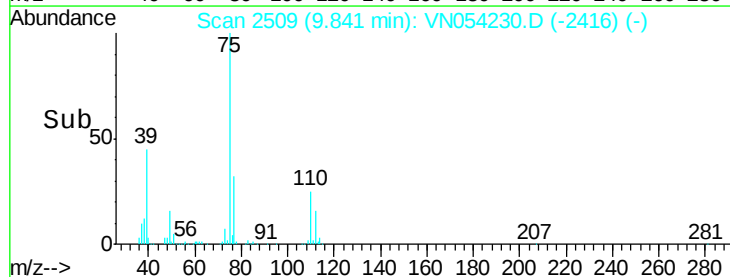
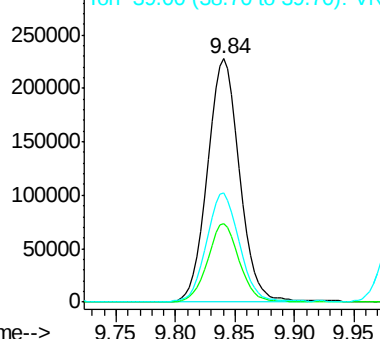
39 44.5 37.2 55.8

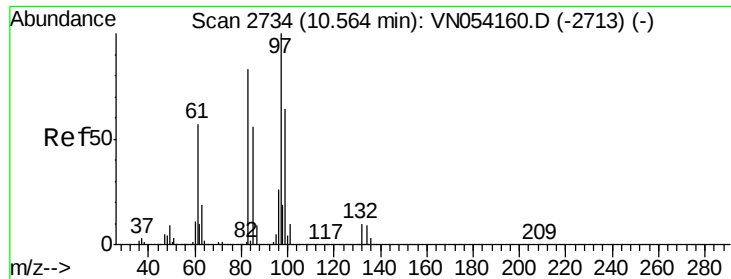


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

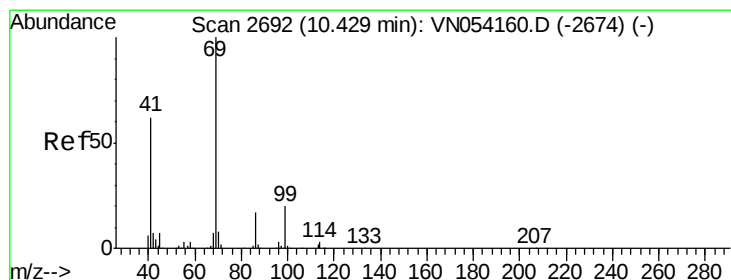
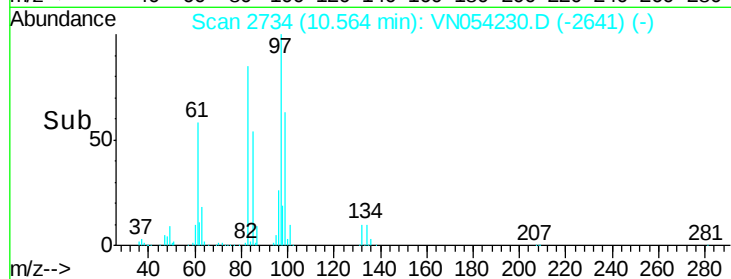
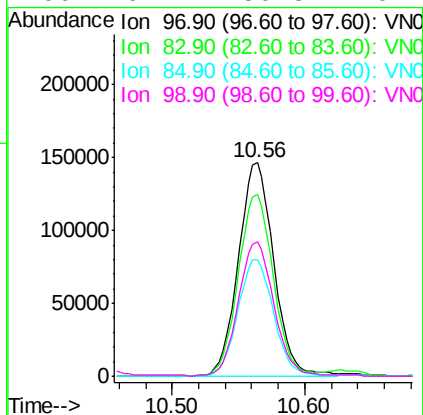
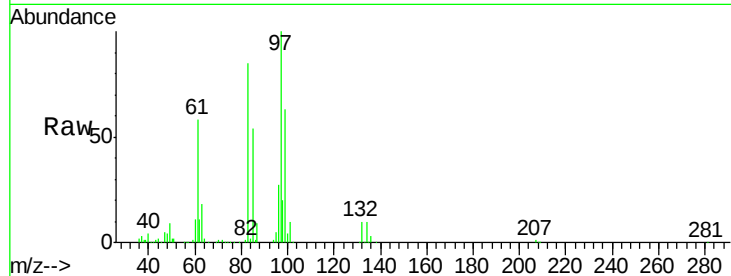




#55
 1,1,2-Trichloroethane
 Concen: 21.004 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

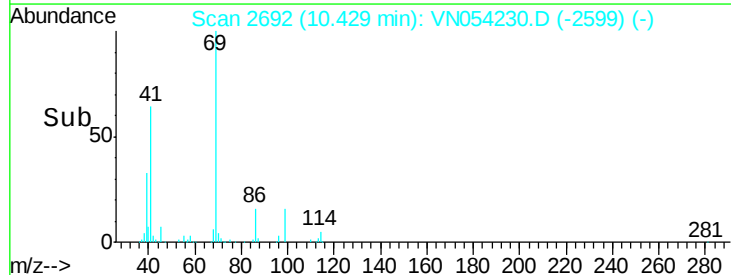
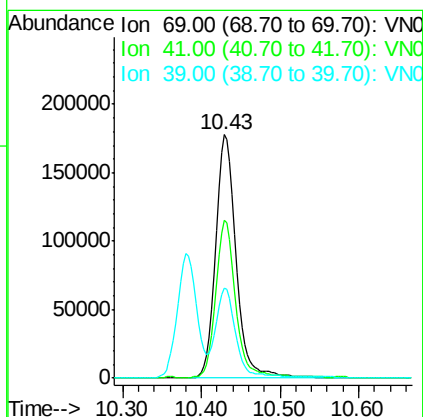
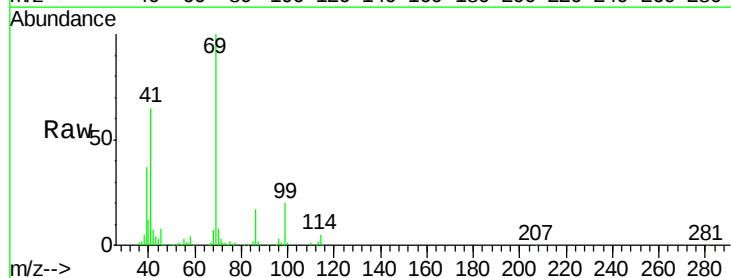
Instrument :
 MSVOA_N
 ClientSampleId :

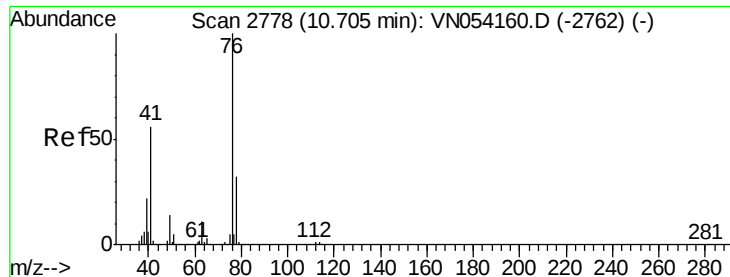
Tot Ion:	97	Resp:	271604
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	100.0
85	54.3	44.4	66.6
99	62.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.732 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion:	69	Resp:	319663
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.4	74.2
39	35.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.155 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

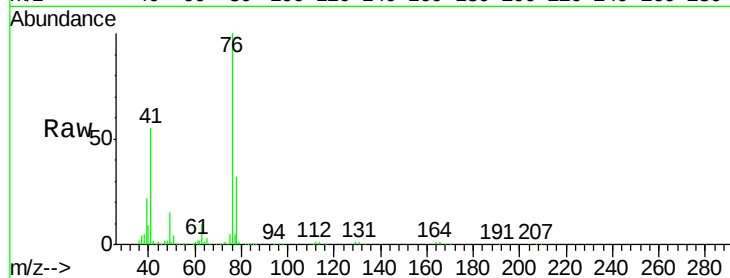
ClientSampled :

Tot Ion: 76 Resp: 447293

Ion Ratio Lower Upper

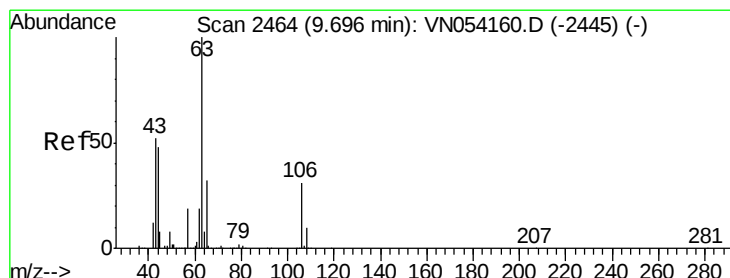
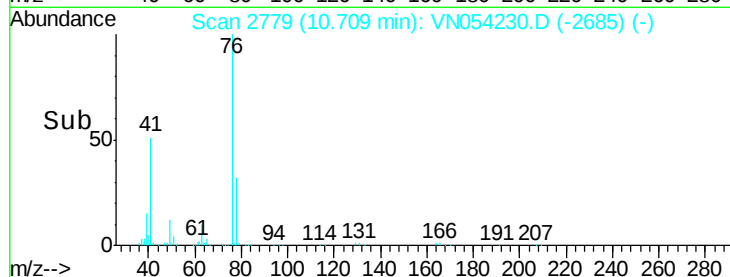
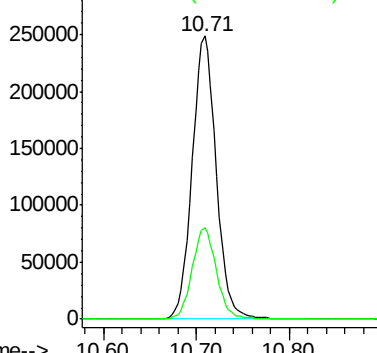
76 100

78 32.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.675 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054230.D

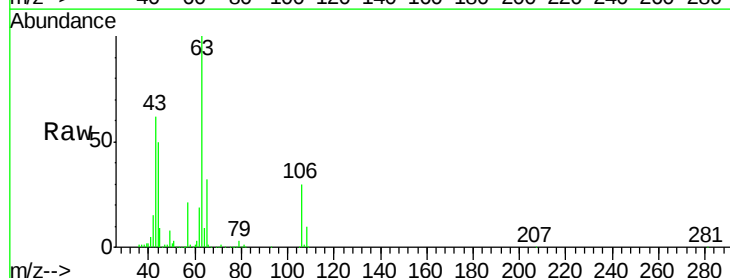
Acq: 14 Mar 2019 00:00

Tgt Ion: 63 Resp: 608525

Ion Ratio Lower Upper

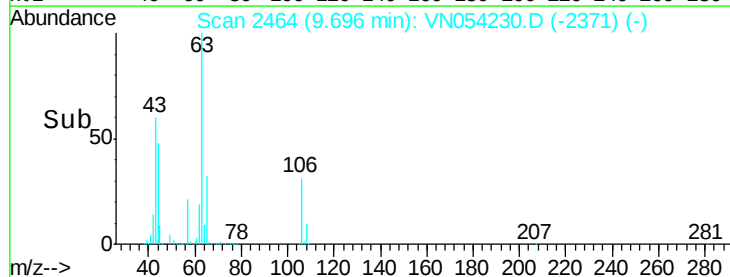
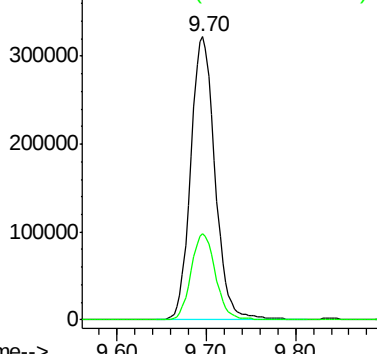
63 100

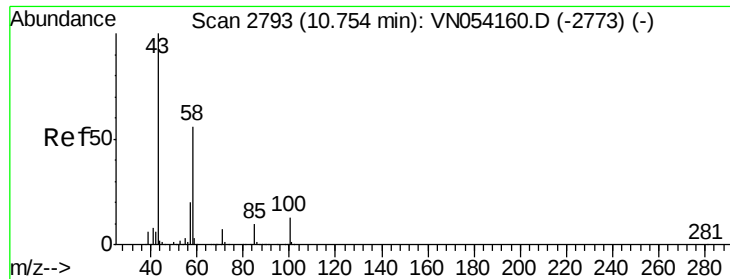
106 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

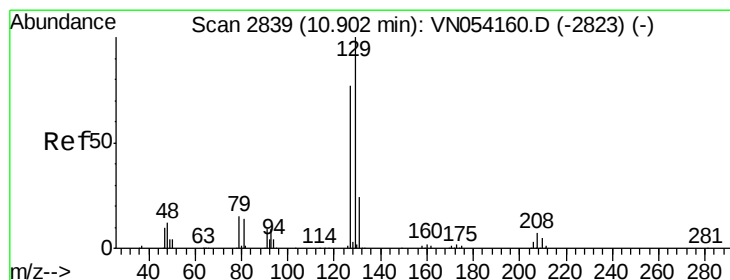
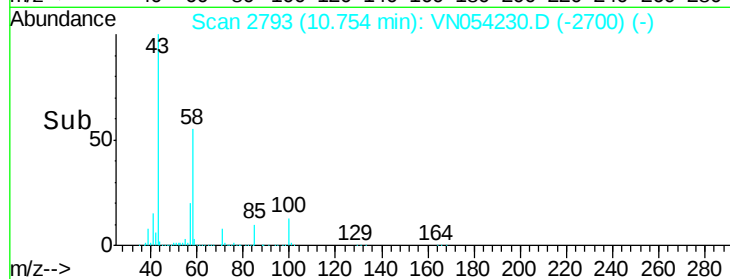
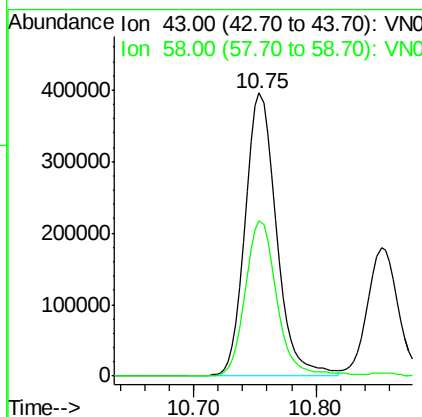
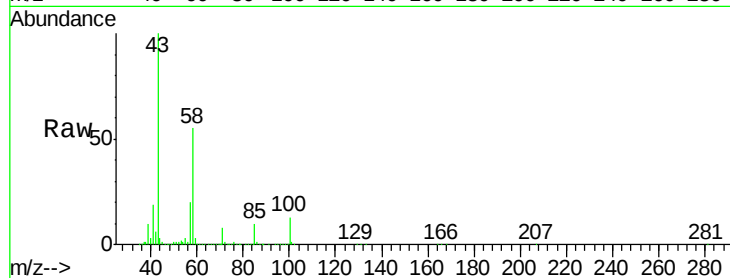




#59
2-Hexanone
Concen: 100.499 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

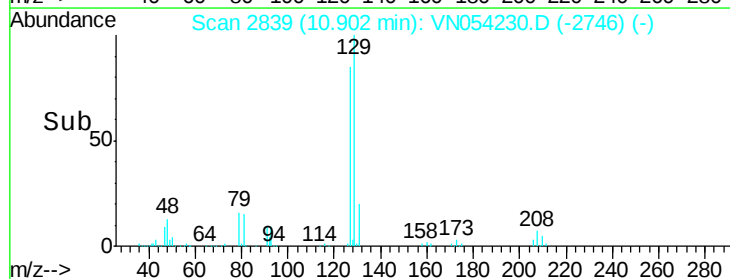
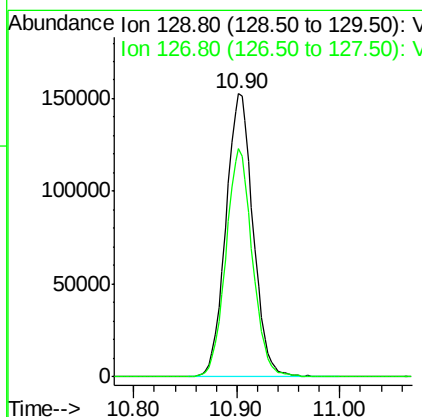
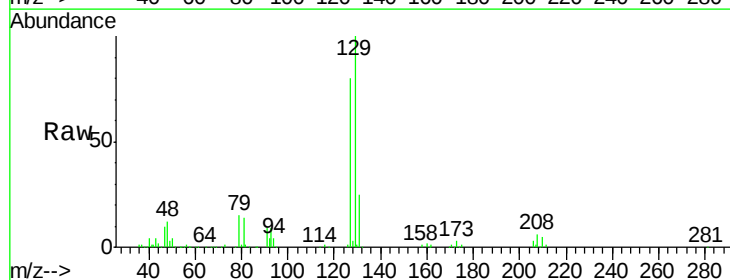
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 696631
Ion Ratio Lower Upper
43 100
58 55.5 28.0 83.9



#60
Dibromochloromethane
Concen: 19.352 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 129 Resp: 281670
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8

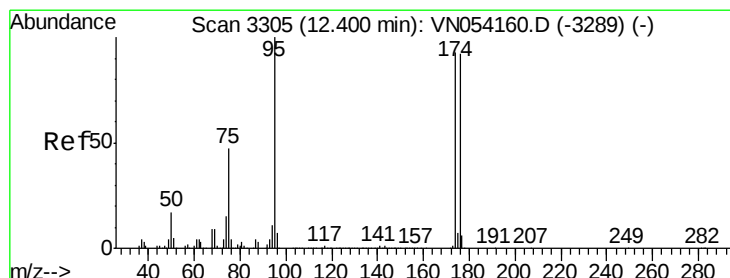
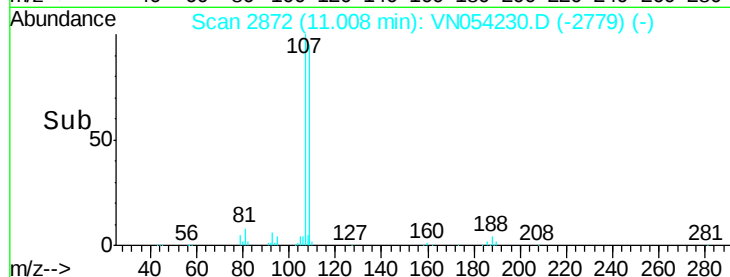
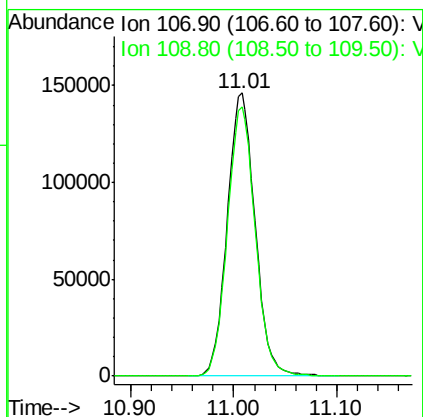
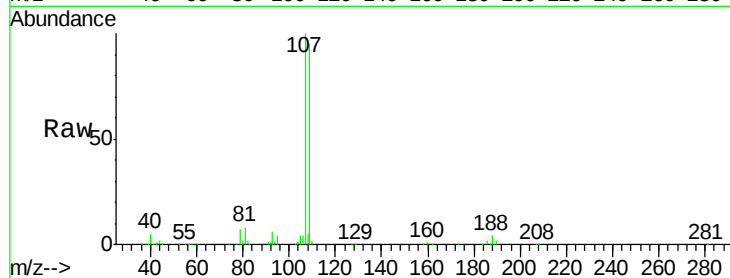




#61
 1,2-Dibromoethane
 Concen: 20.932 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

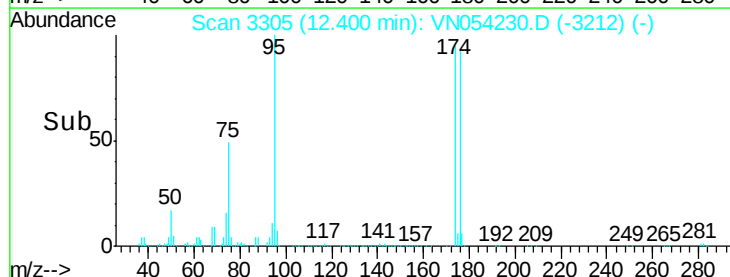
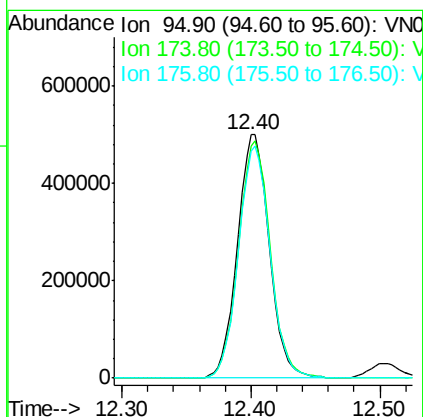
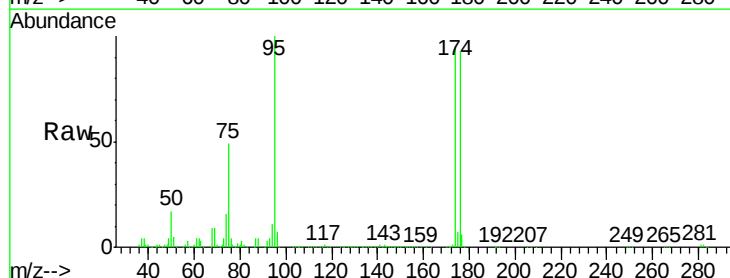
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 275064
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.523 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion: 95 Resp: 857105
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 191.0
 176 94.9 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: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

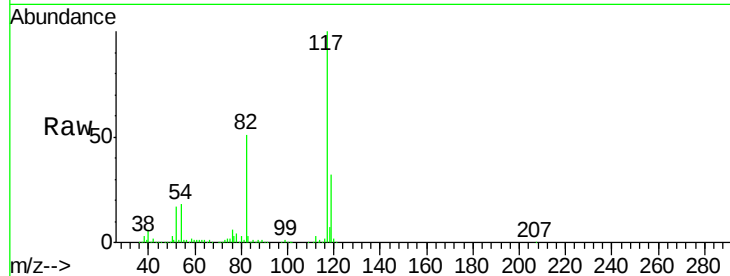
Tot Ion:117 Resp: 1870065

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

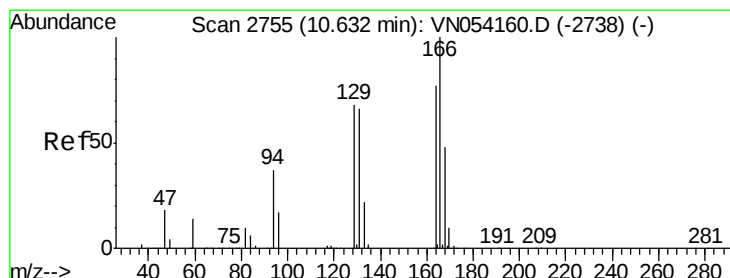
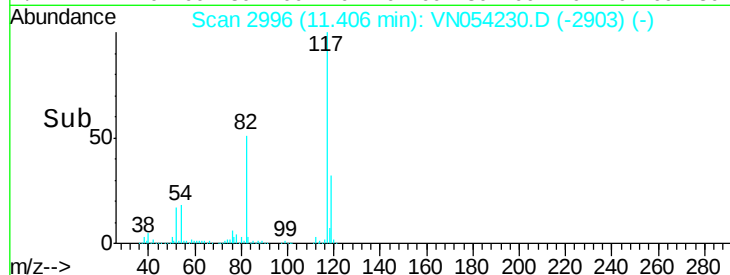
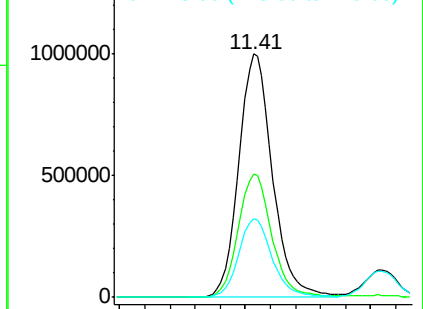
119 32.3 25.8 38.6



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: 20.304 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion:164 Resp: 367109

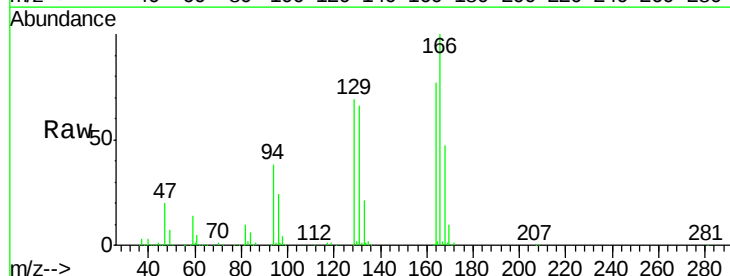
Ion Ratio Lower Upper

164 100

166 129.8 103.9 155.9

129 89.9 71.1 106.7

131 85.1 68.2 102.4

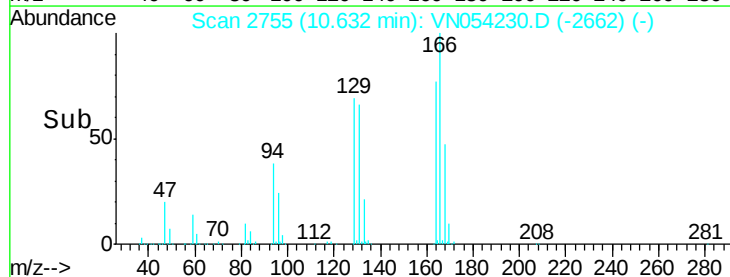
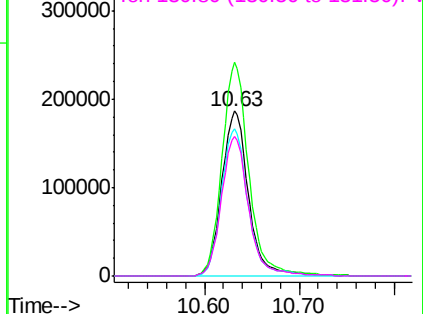


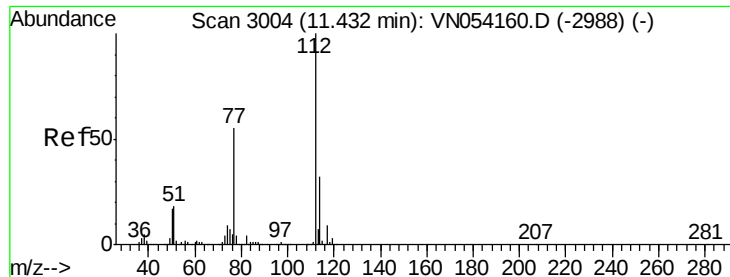
Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.824 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

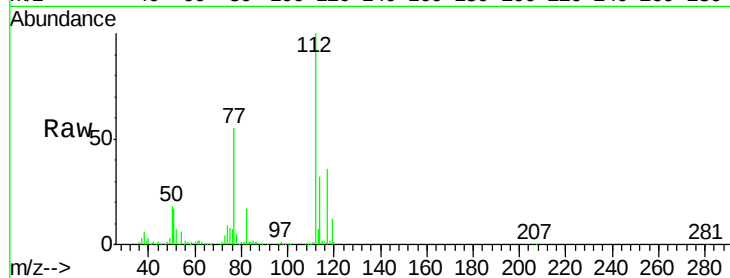
ClientSampled :

Tot Ion:112 Resp: 855057

Ion Ratio Lower Upper

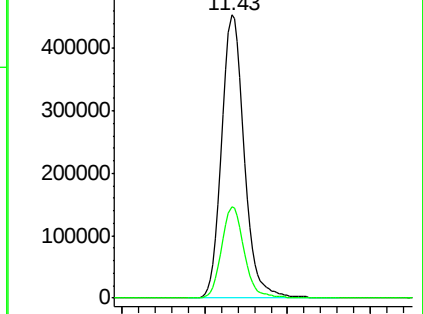
112 100

114 32.1 25.9 38.9

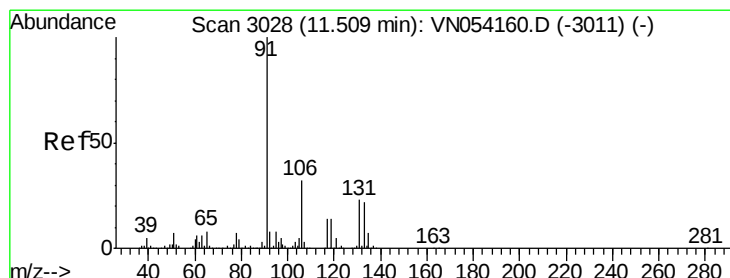
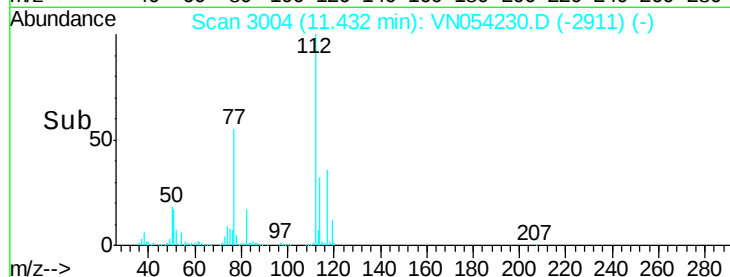


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 20.028 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

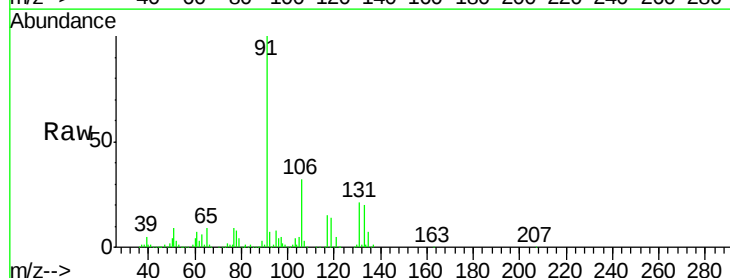
Tgt Ion:131 Resp: 298747

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.9

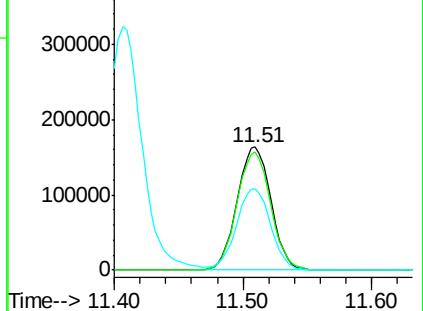
119 66.4 32.4 97.0



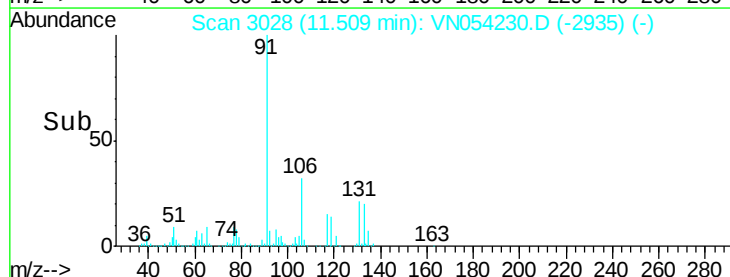
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60

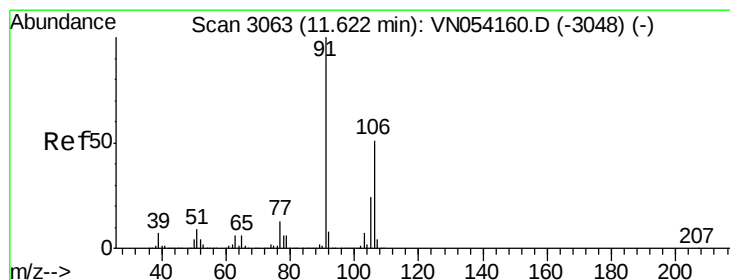
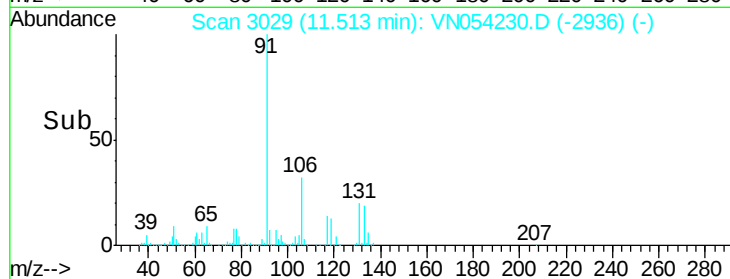
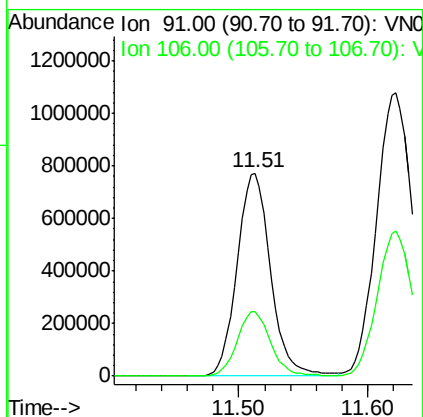
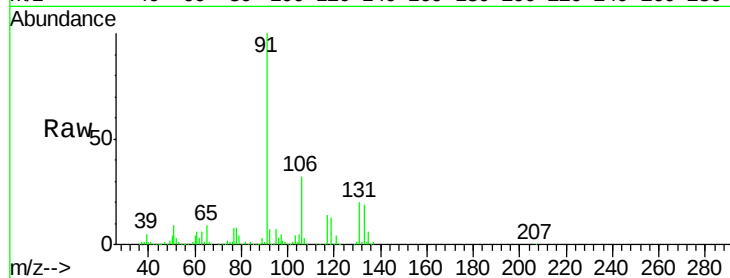




#67
Ethyl Benzene
Concen: 20.514 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

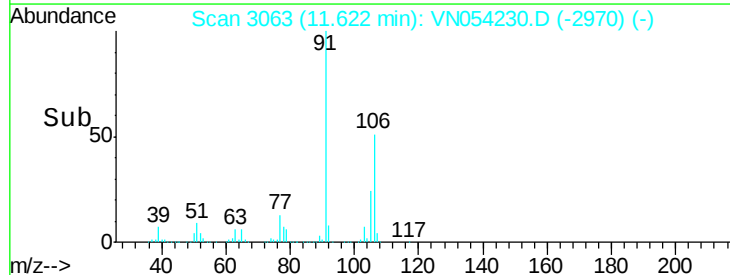
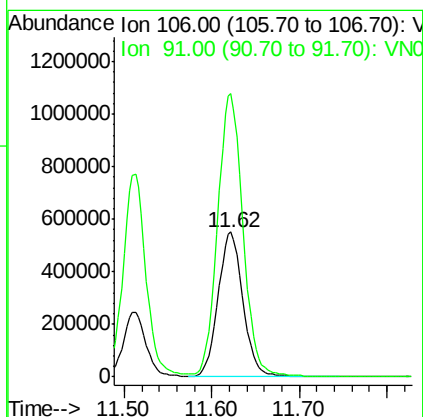
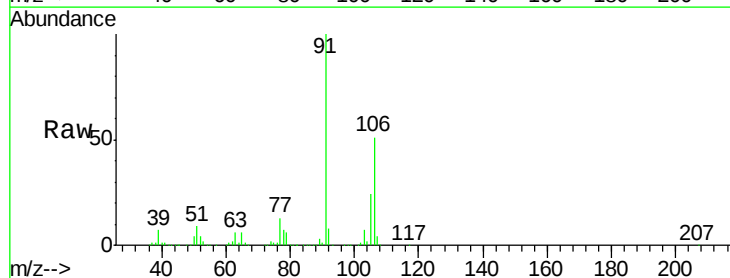
Instrument :
MSVOA_N
ClientSampled :

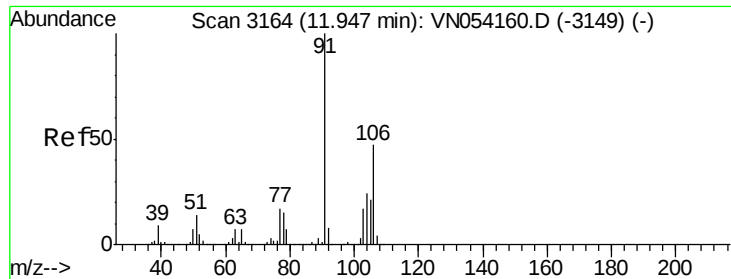
Tot Ion: 91 Resp: 1396348
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 41.077 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 106 Resp: 1092798
Ion Ratio Lower Upper
106 100
91 198.4 159.4 239.2

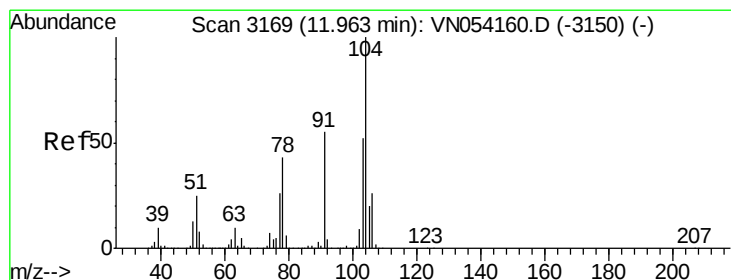
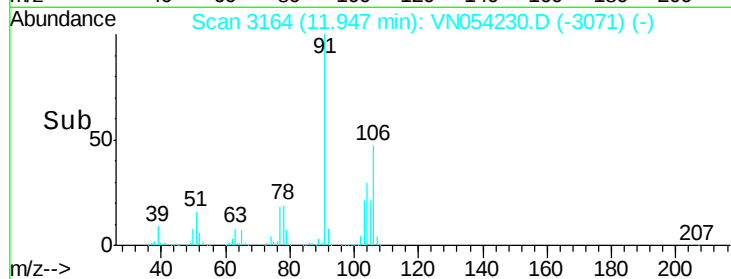
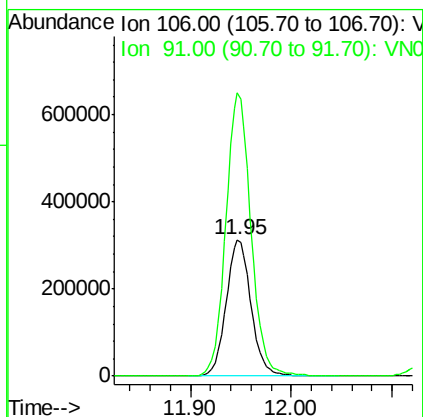
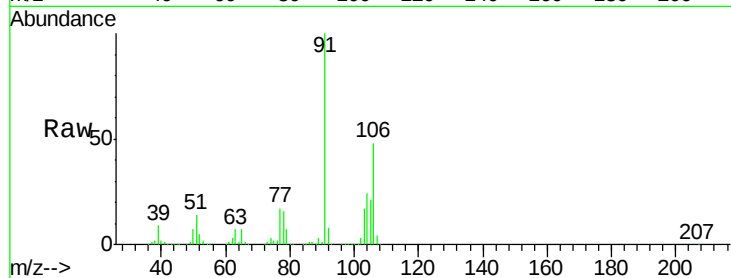




#69
o-Xylene
Concen: 20.706 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

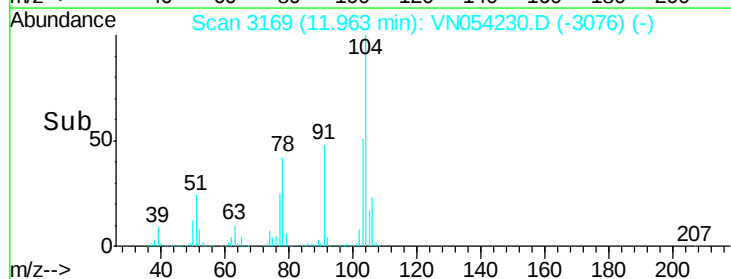
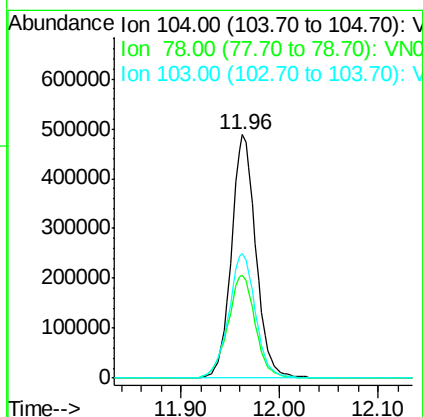
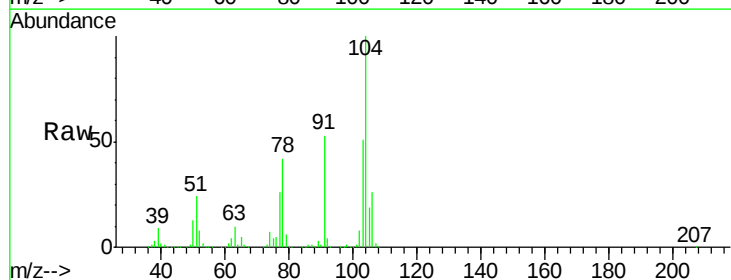
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 536997
Ion Ratio Lower Upper
106 100
91 210.2 105.7 317.1



#70
Styrene
Concen: 20.777 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion:104 Resp: 845063
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 17.746 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampled :

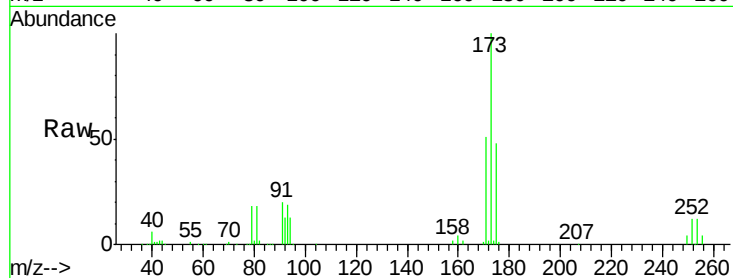
Tot Ion:173 Resp: 183688

Ion Ratio Lower Upper

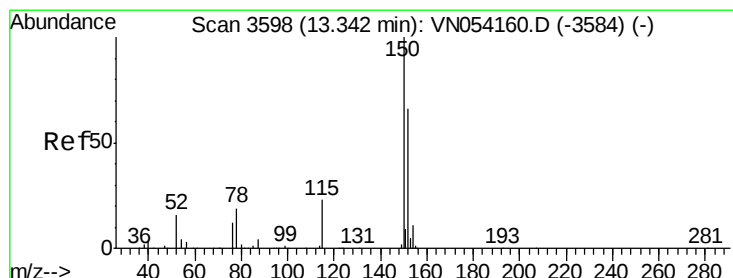
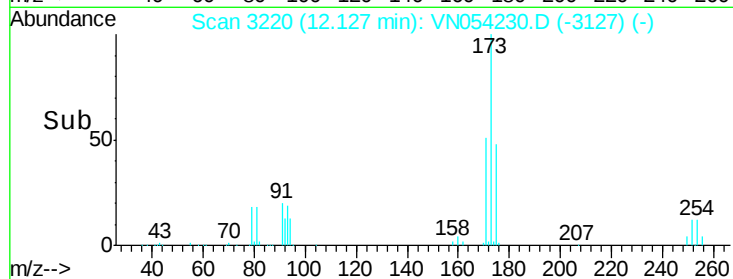
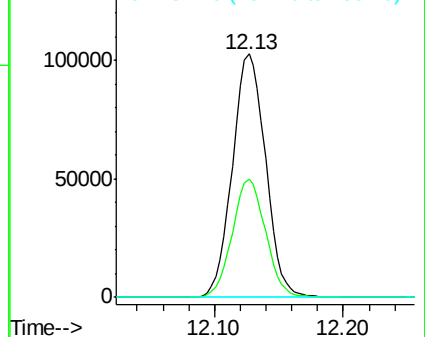
173 100

175 48.8 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

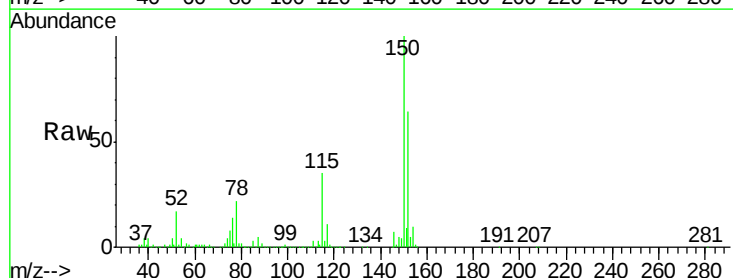
Tgt Ion:152 Resp: 884153

Ion Ratio Lower Upper

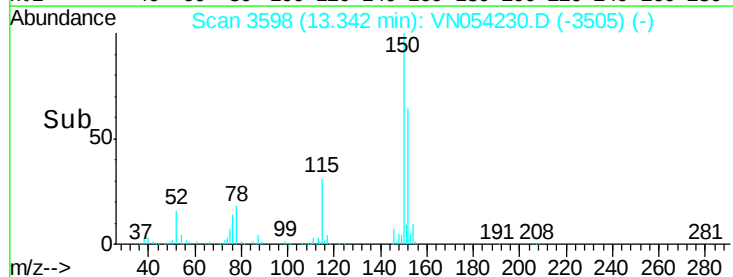
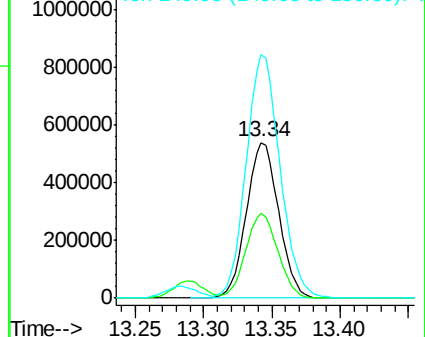
152 100

115 54.6 27.2 81.6

150 164.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.413 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

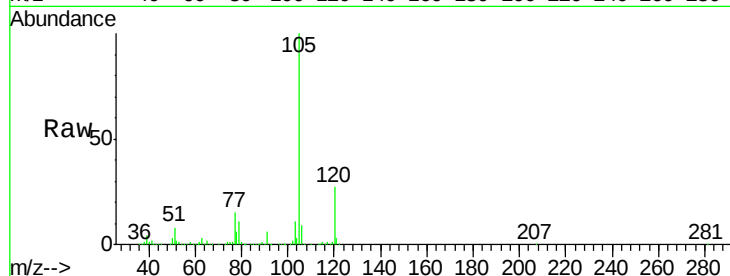
ClientSampled :

Tot Ion:105 Resp: 1443961

Ion Ratio Lower Upper

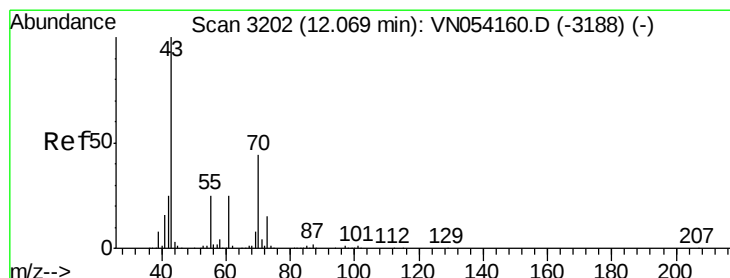
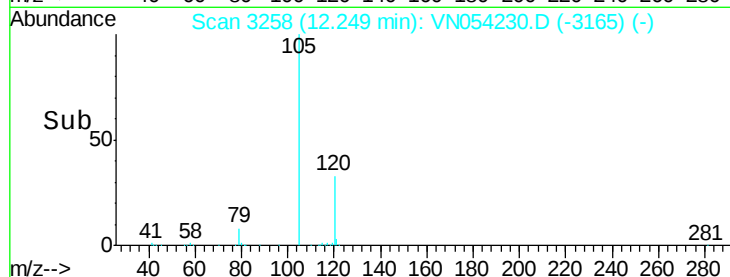
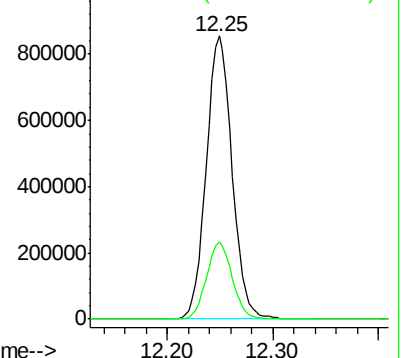
105 100

120 27.2 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: 19.675 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Tgt Ion: 43 Resp: 308924

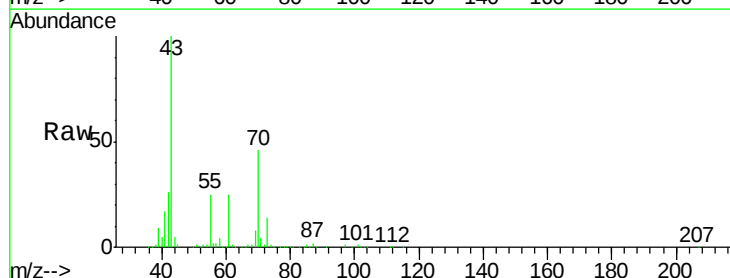
Ion Ratio Lower Upper

43 100

70 45.9 35.4 53.0

55 25.7 19.8 29.6

61 25.3 19.8 29.6

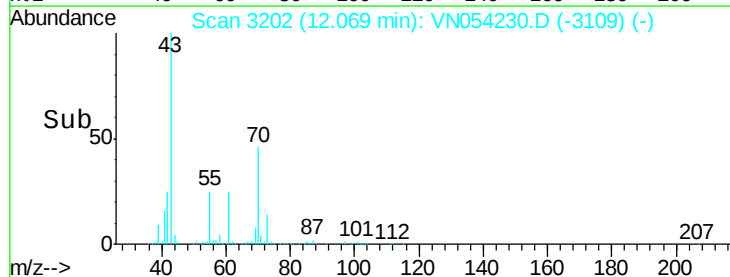
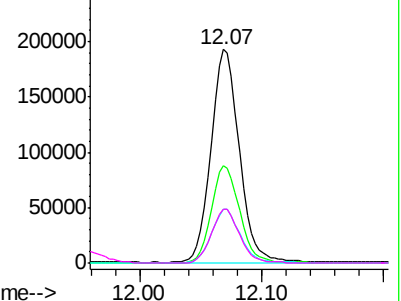


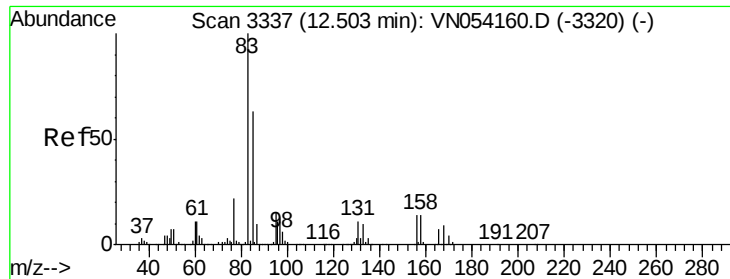
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.548 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampled :

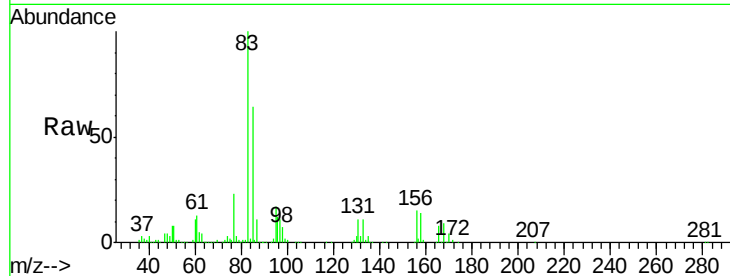
Tot Ion: 83 Resp: 309675

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.4

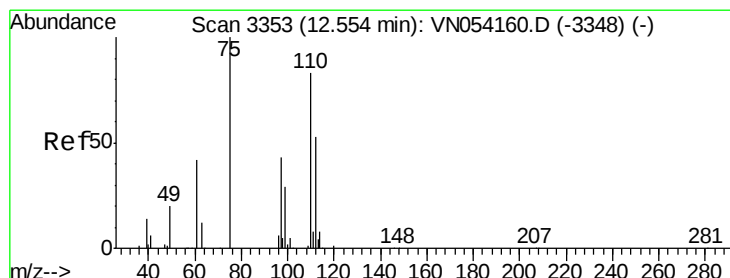
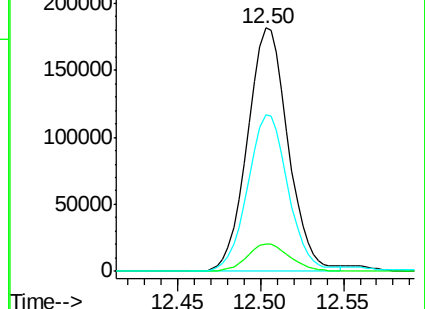
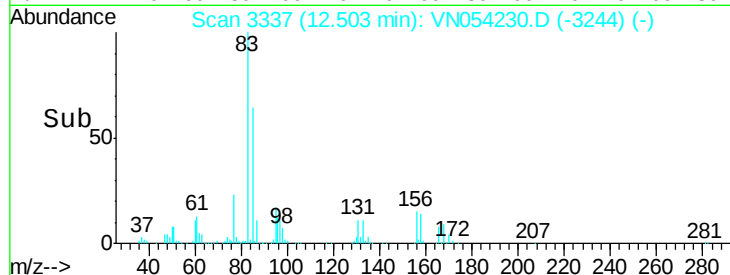
85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054230.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054230.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054230.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 28.147 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054230.D

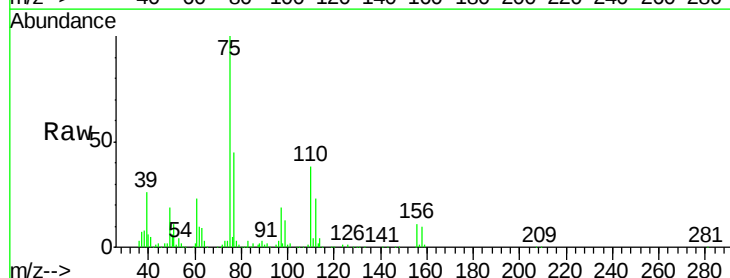
Acq: 14 Mar 2019 00:00

Tgt Ion: 75 Resp: 365969

Ion Ratio Lower Upper

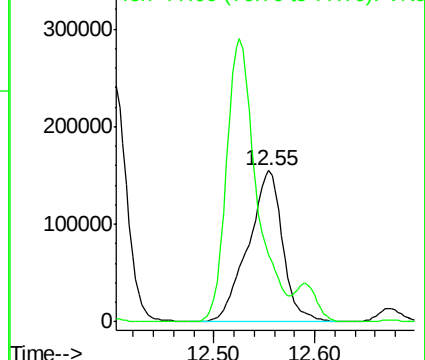
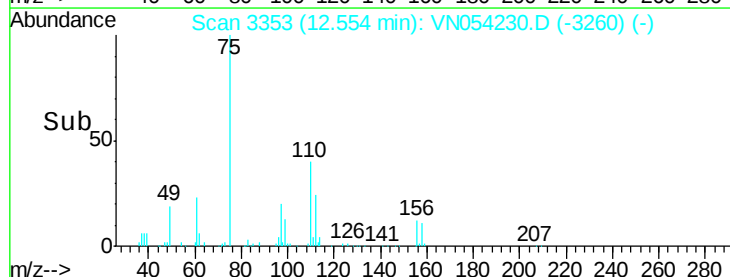
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054230.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054230.D (-3260) (-)





#77

Bromobenzene

Concen: 20.599 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

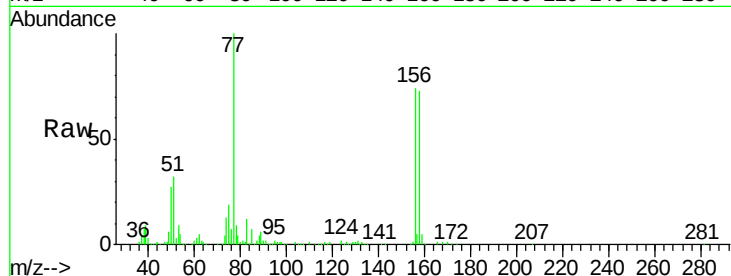
Tot Ion:156 Resp: 385585

Ion Ratio Lower Upper

156 100

77 156.9 81.5 244.4

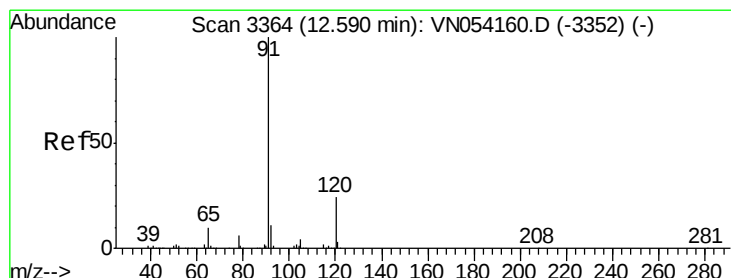
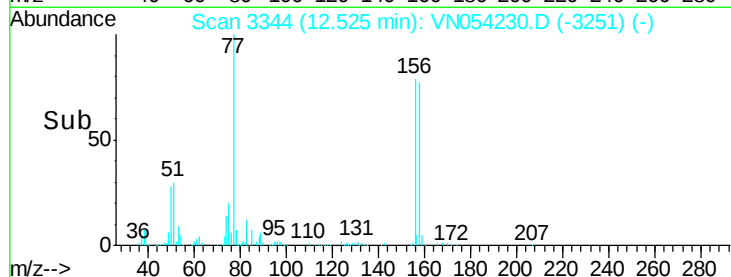
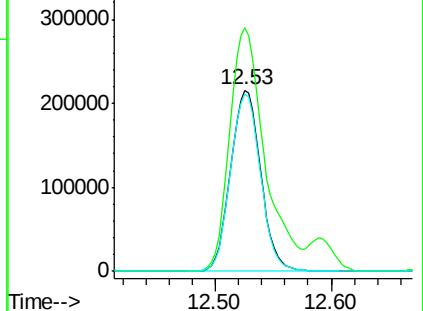
158 98.0 49.0 147.2



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: 20.439 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054230.D

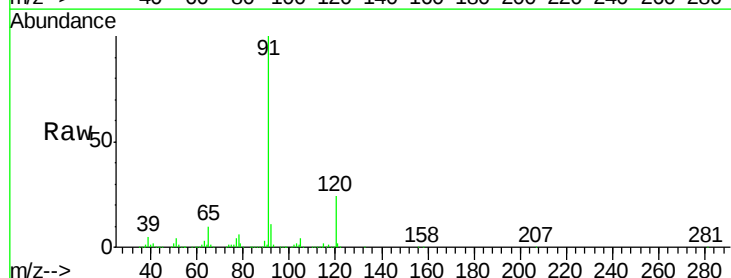
Acq: 14 Mar 2019 00:00

Tgt Ion: 91 Resp: 1568815

Ion Ratio Lower Upper

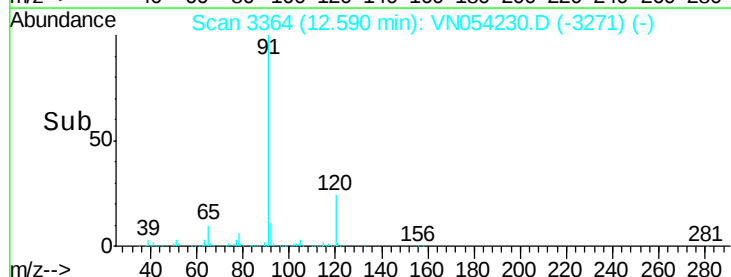
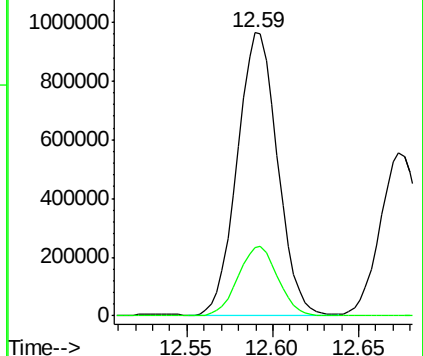
91 100

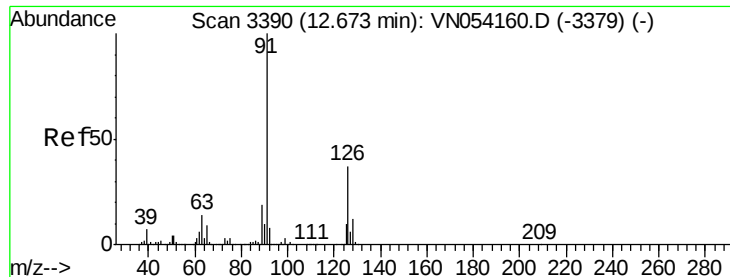
120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.155 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

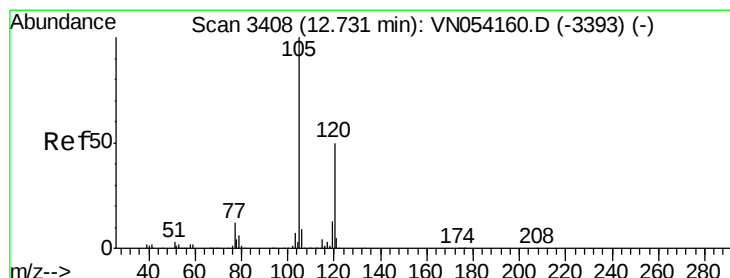
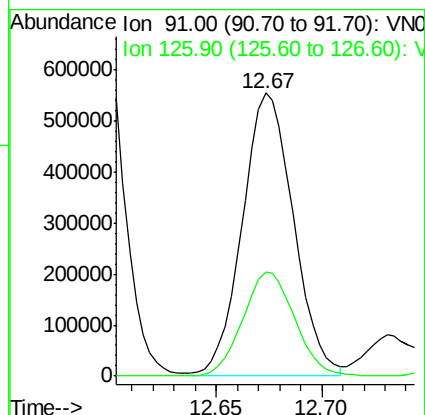
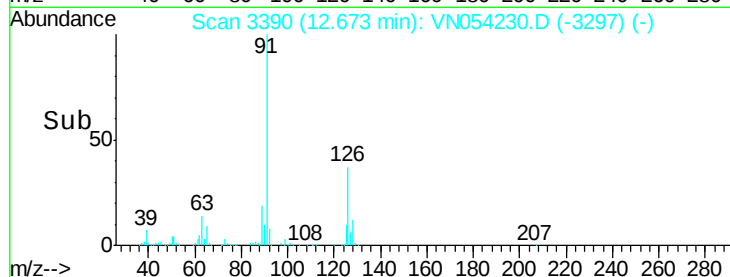
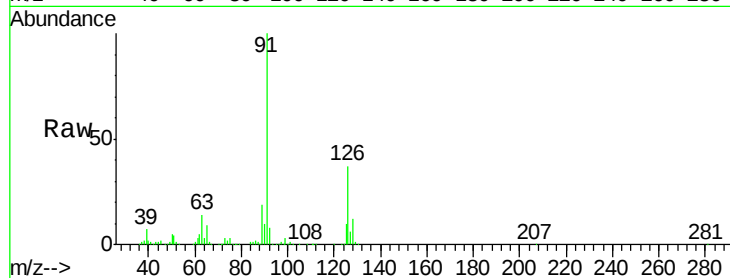
ClientSampleId :

Tot Ion: 91 Resp: 930147

Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.033 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054230.D

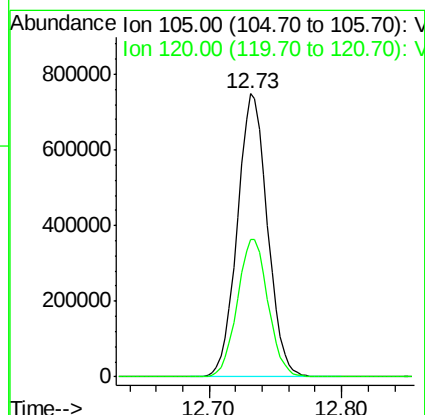
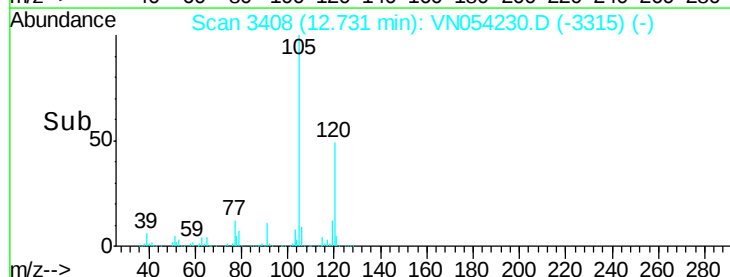
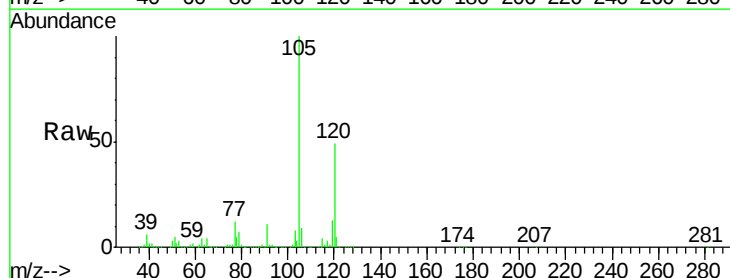
Acq: 14 Mar 2019 00:00

Tgt Ion: 105 Resp: 1178730

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0

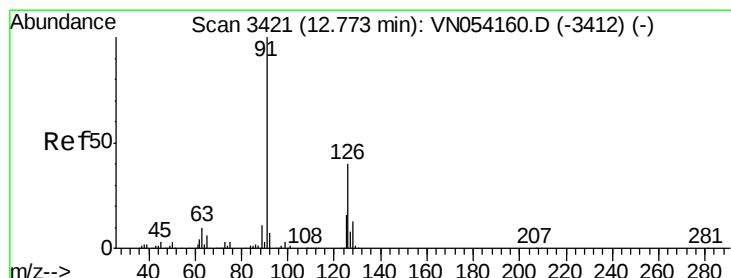
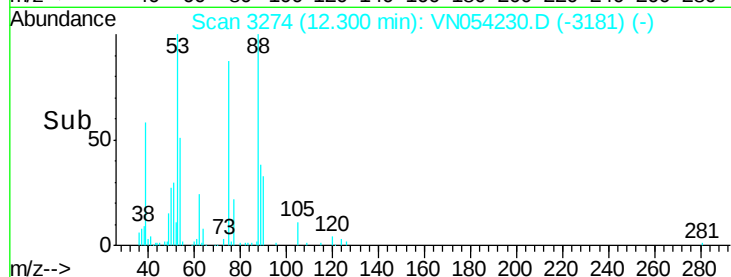
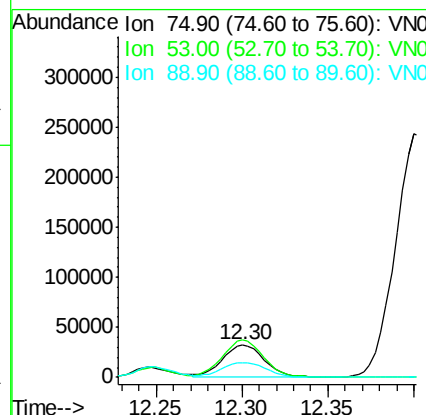
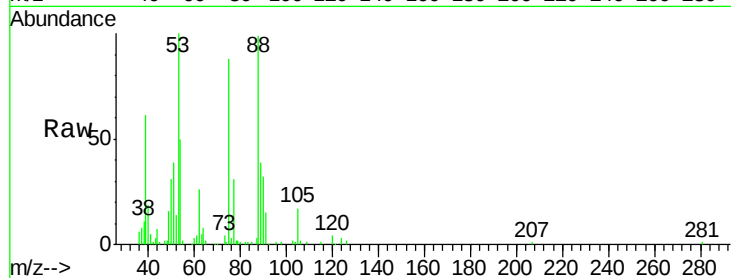




#81
trans-1,4-Dichloro-2-butene
Concen: 14.531 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

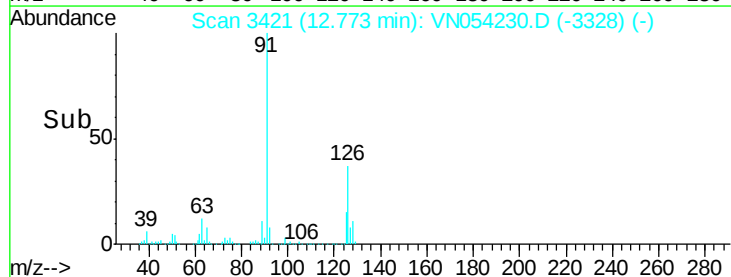
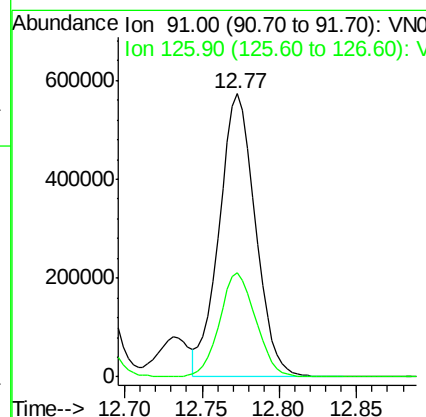
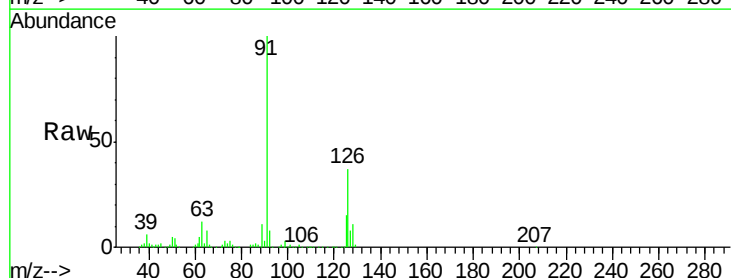
Instrument :
MSVOA_N
ClientSampleId :

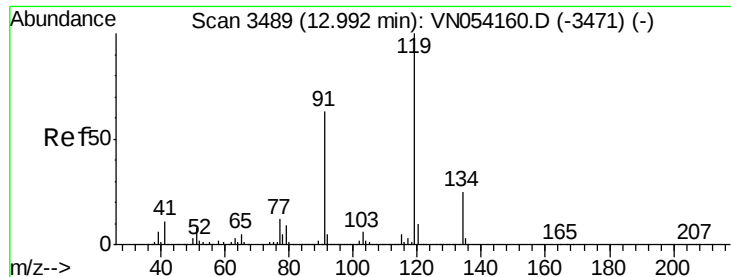
Tot Ion: 75 Resp: 55268
Ion Ratio Lower Upper
75 100
53 115.3 76.2 114.2#
89 48.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.210 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054230.D
Acq: 14 Mar 2019 00:00

Tgt Ion: 91 Resp: 931353
Ion Ratio Lower Upper
91 100
126 36.7 18.1 54.1

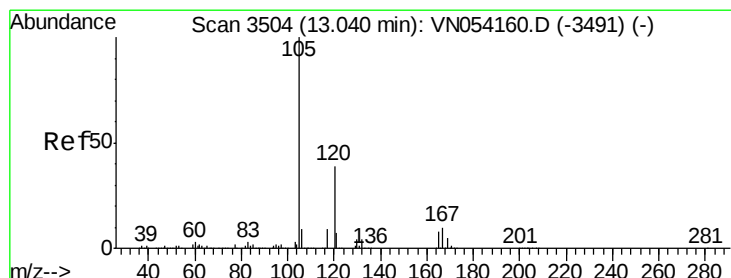
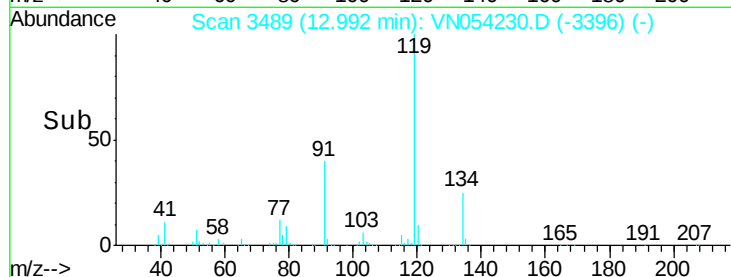
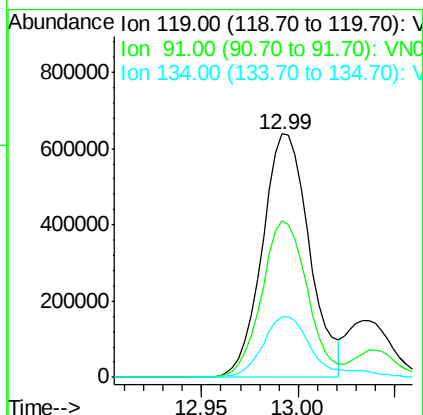
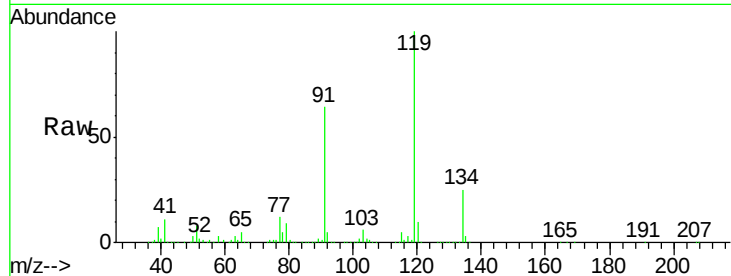




#83
 tert-Butylbenzene
 Concen: 19.923 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

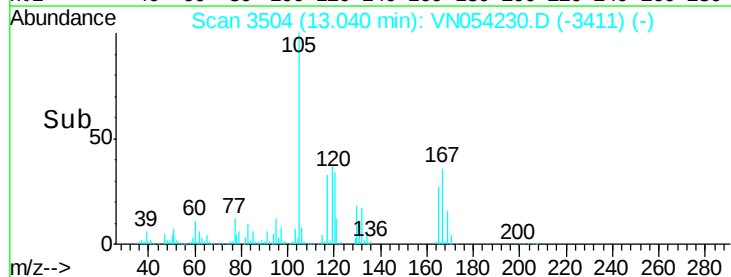
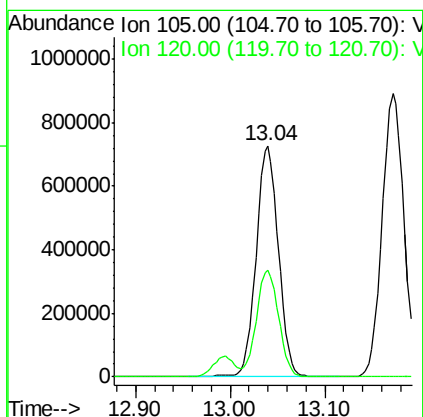
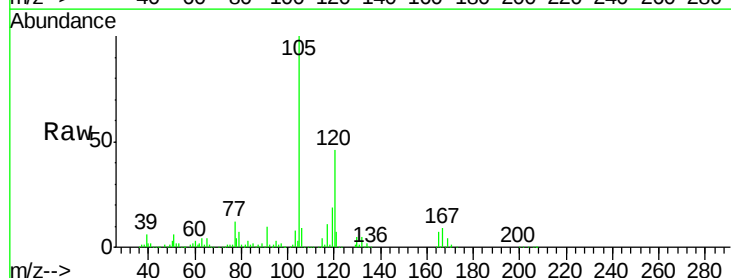
Instrument :
 MSVOA_N
 ClientSampled :

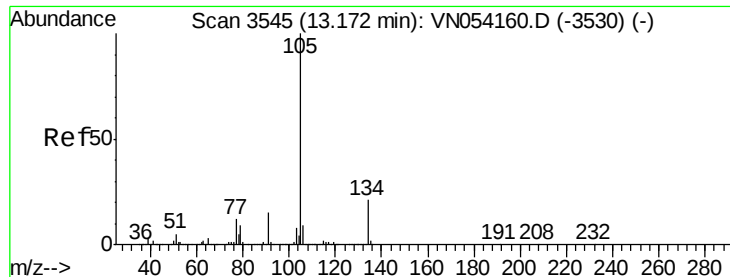
Tot Ion:119 Resp: 1079014
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.9 92.8
 134 26.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.536 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion:105 Resp: 1185394
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.232 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

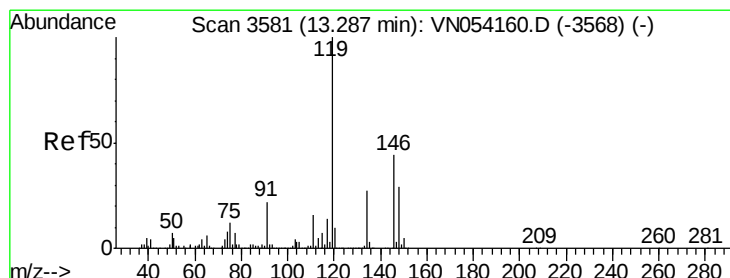
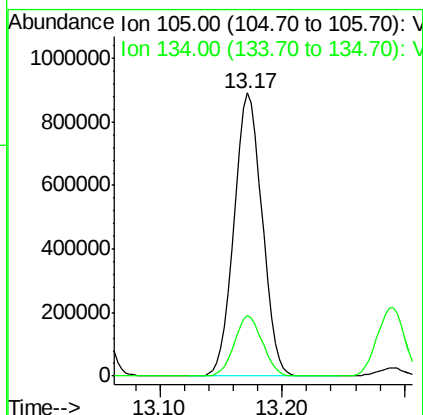
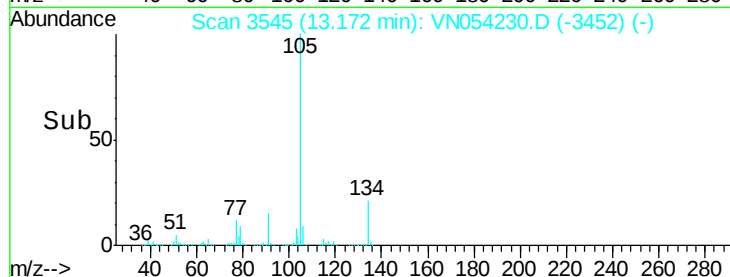
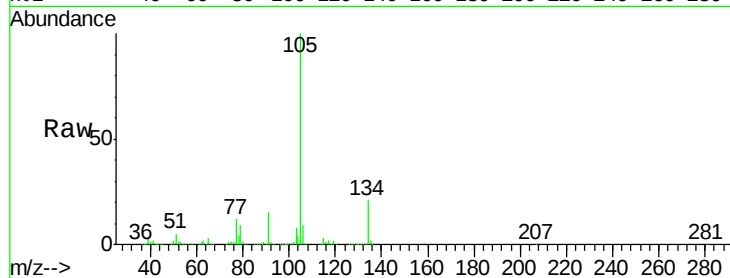
ClientSampled :

Tot Ion:105 Resp: 1421024

Ion Ratio Lower Upper

105 100

134 21.2 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.891 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

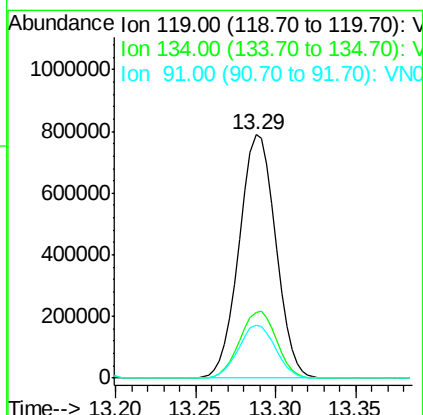
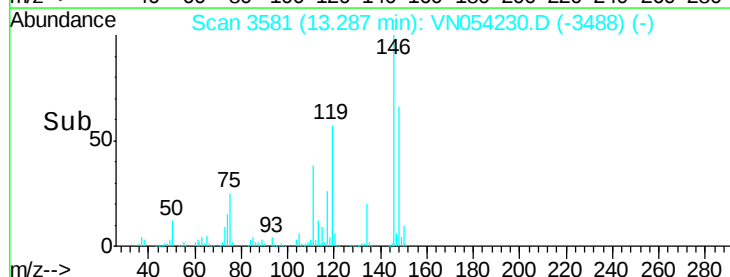
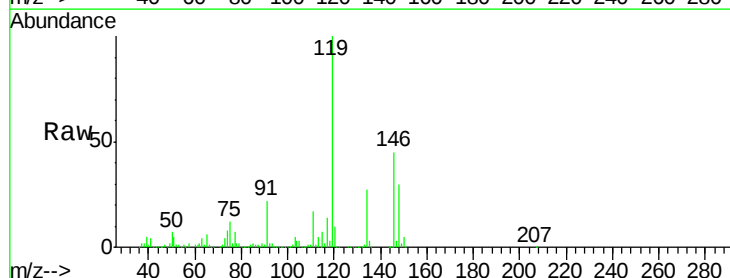
Tgt Ion:119 Resp: 1225662

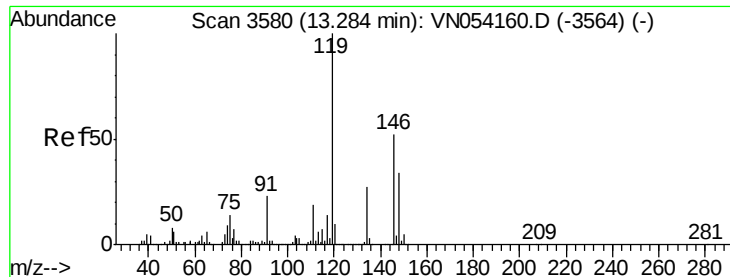
Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.625 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

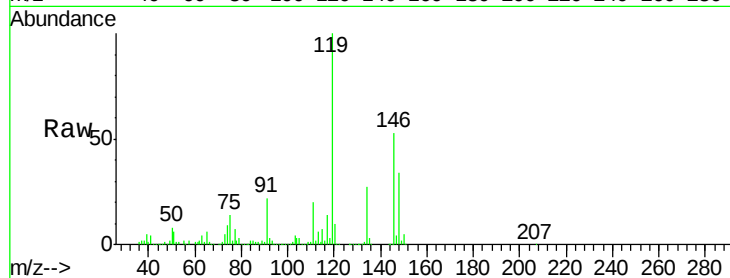
Tot Ion:146 Resp: 650518

Ion Ratio Lower Upper

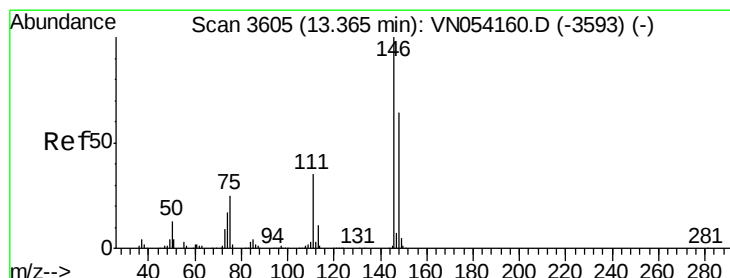
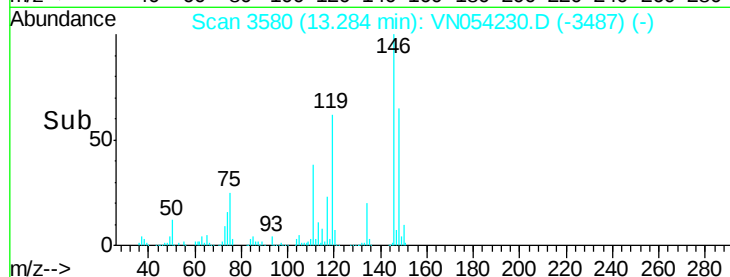
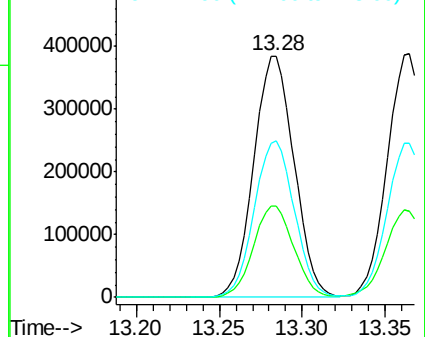
146 100

111 37.7 18.8 56.3

148 64.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 20.784 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

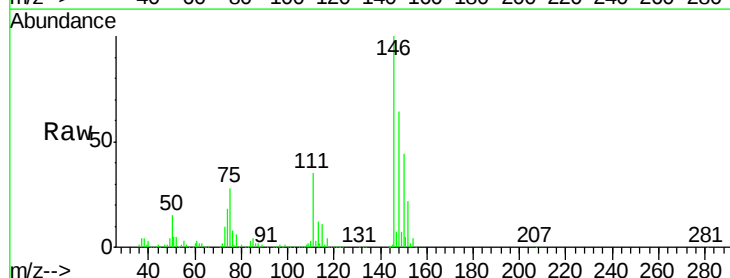
Tgt Ion:146 Resp: 643991

Ion Ratio Lower Upper

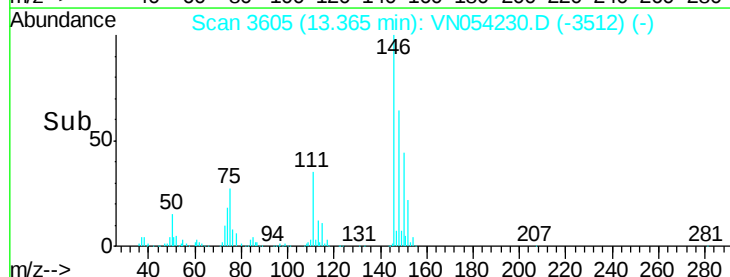
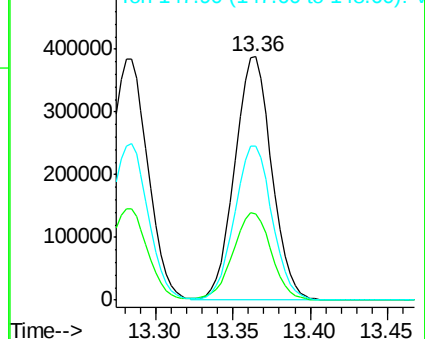
146 100

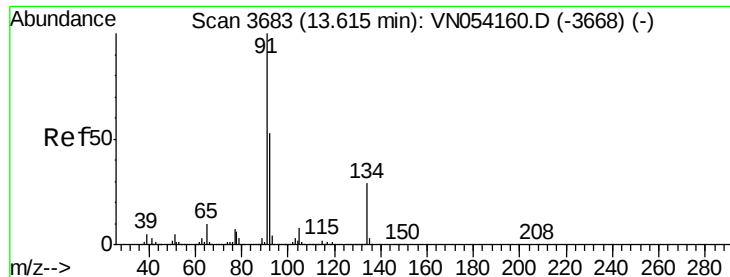
111 37.4 18.1 54.1

148 64.3 32.0 96.0



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





#89

n-Butylbenzene

Concen: 20.385 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

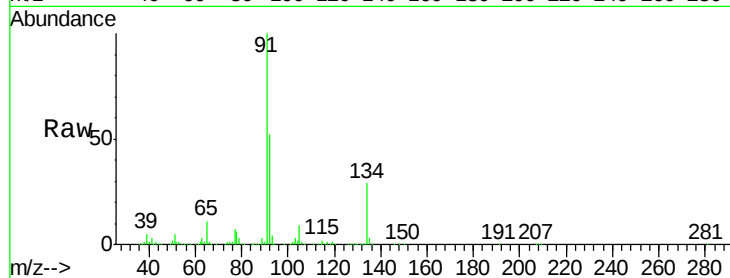
Tot Ion: 91 Resp: 954392

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

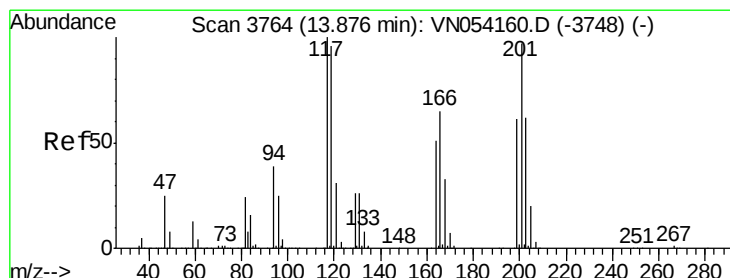
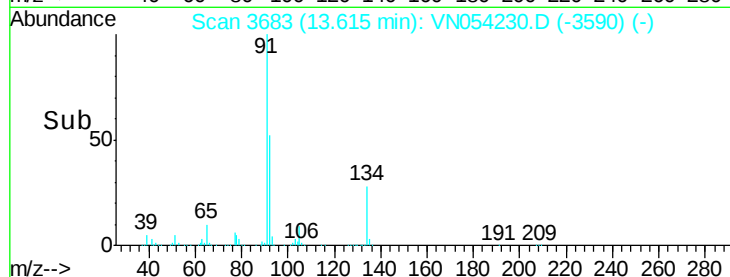
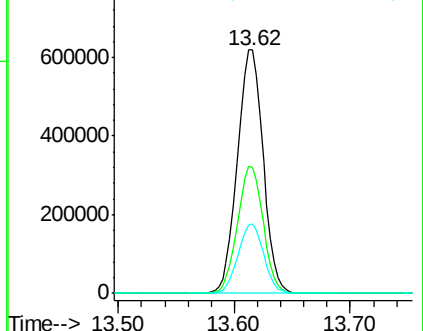
134 28.4 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.813 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054230.D

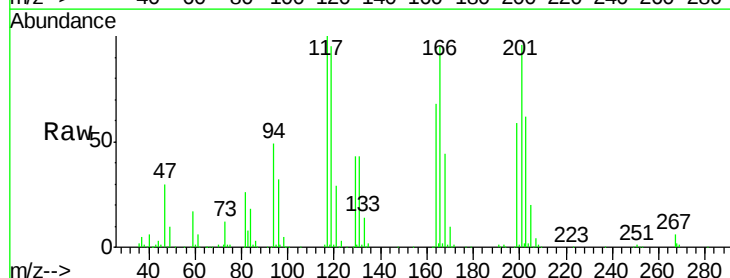
Acq: 14 Mar 2019 00:00

Tgt Ion: 117 Resp: 181747

Ion Ratio Lower Upper

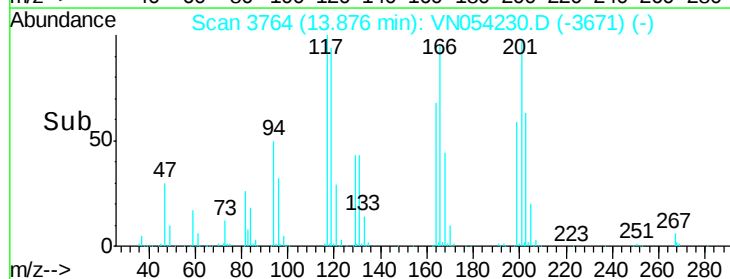
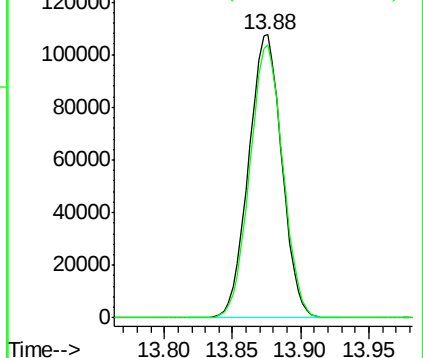
117 100

201 96.0 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.850 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampleId :

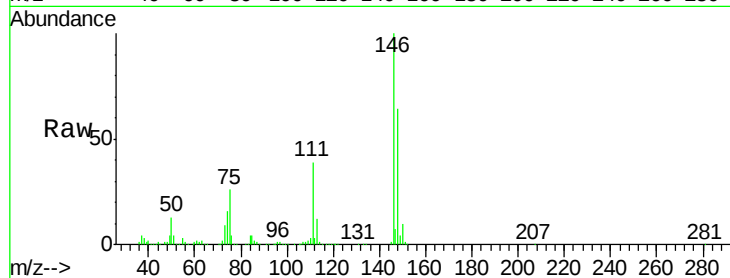
Tot Ion:146 Resp: 642899

Ion Ratio Lower Upper

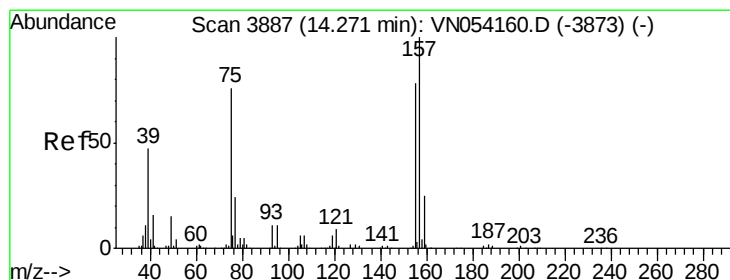
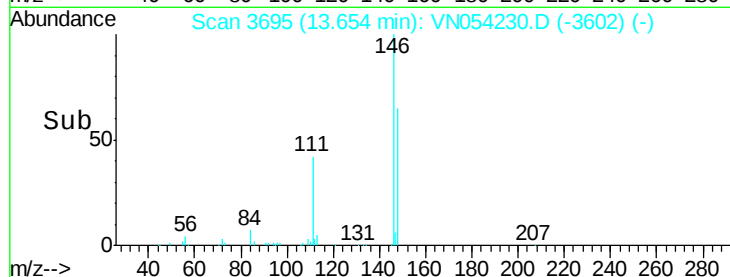
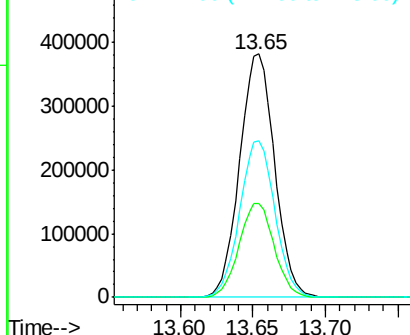
146 100

111 38.8 19.1 57.3

148 64.6 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.043 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

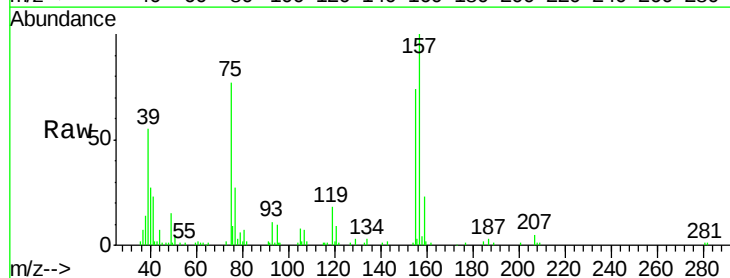
Tgt Ion: 75 Resp: 44410

Ion Ratio Lower Upper

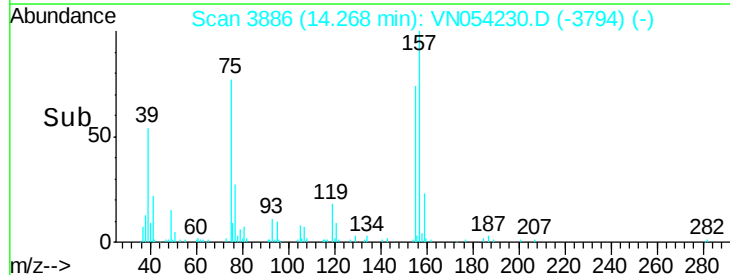
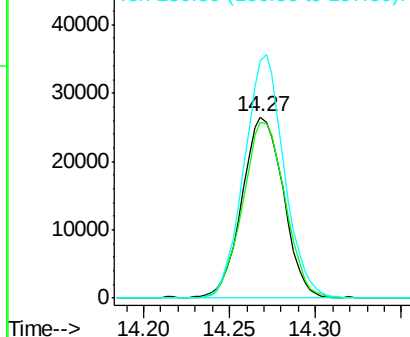
75 100

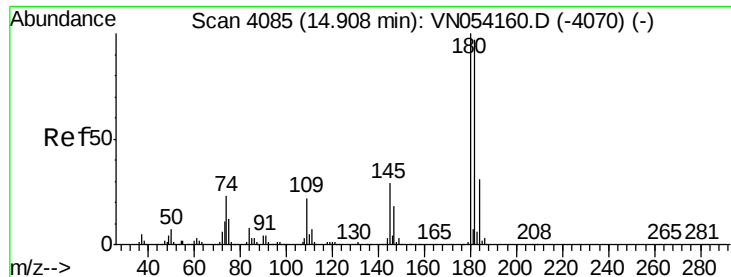
155 98.8 50.1 150.3

157 129.2 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

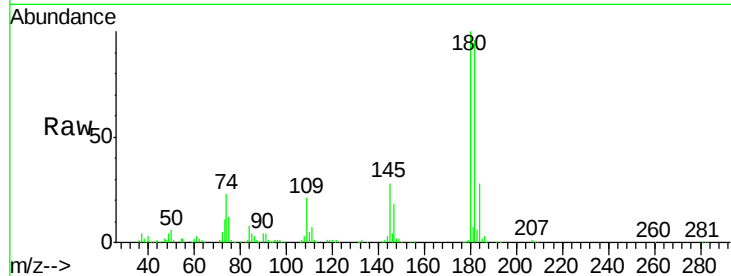




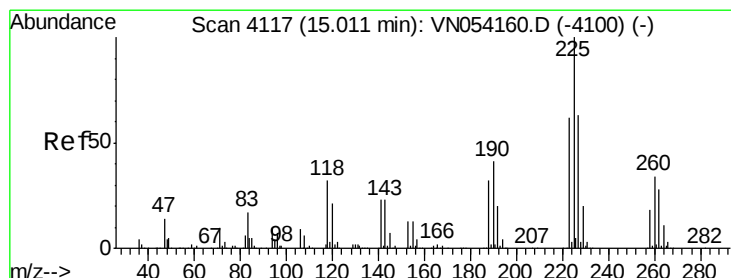
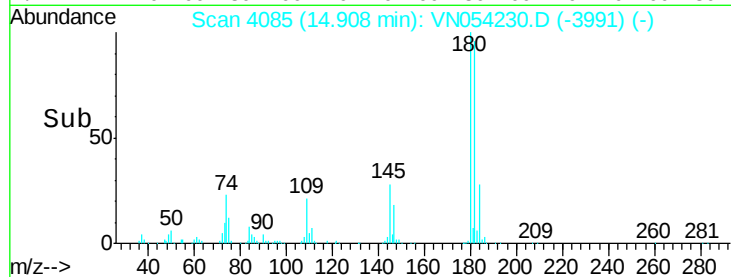
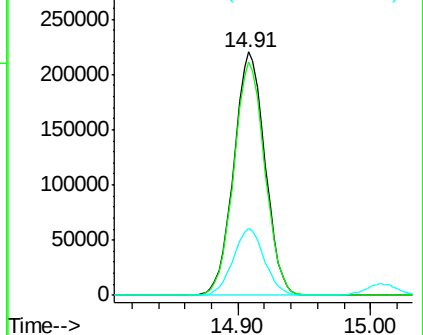
#93
 1,2,4-Trichlorobenzene
 Concen: 20.833 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	27.6	14.2	42.8

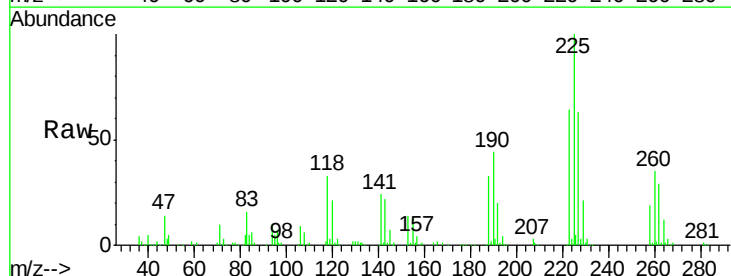


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

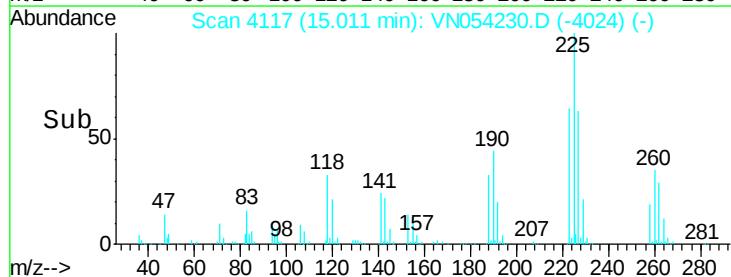
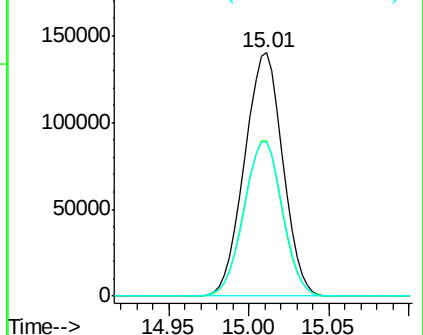


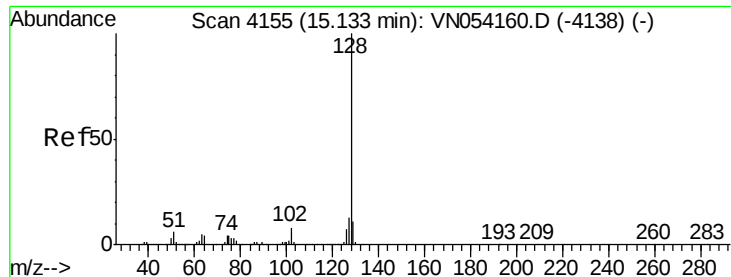
#94
 Hexachlorobutadiene
 Concen: 19.520 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054230.D
 Acq: 14 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.1	93.5
227	63.9	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: 21.070 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

Instrument :

MSVOA_N

ClientSampled :

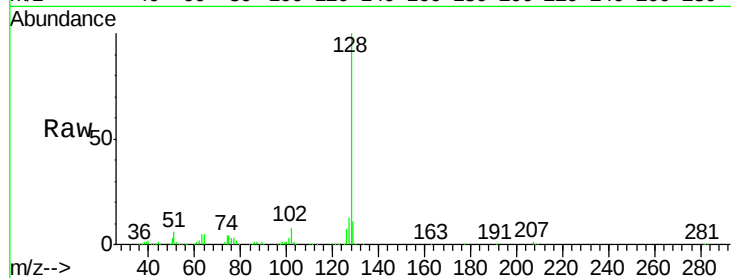
Tot Ion:128 Resp: 733411

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

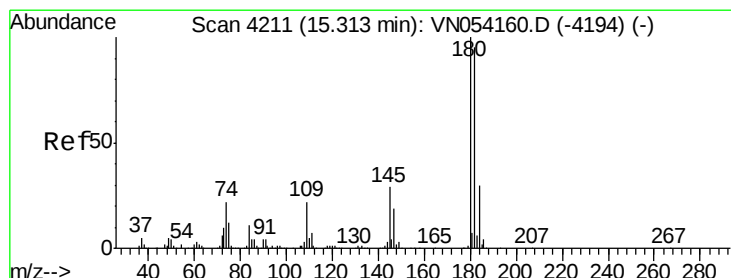
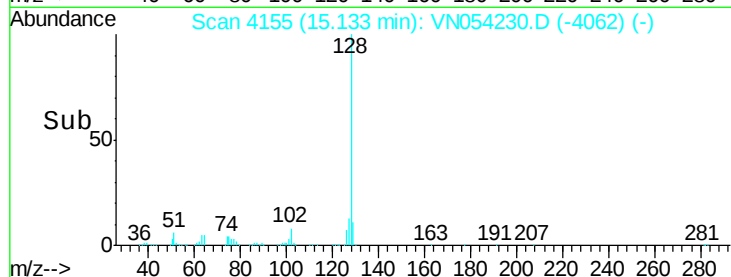
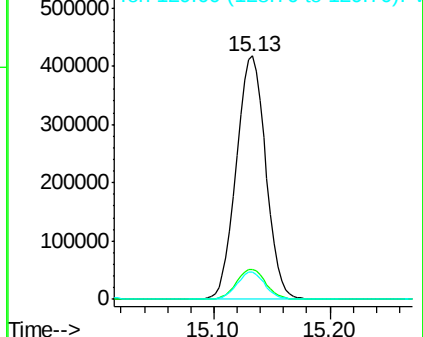
129 10.7 8.7 13.1



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: 22.391 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054230.D

Acq: 14 Mar 2019 00:00

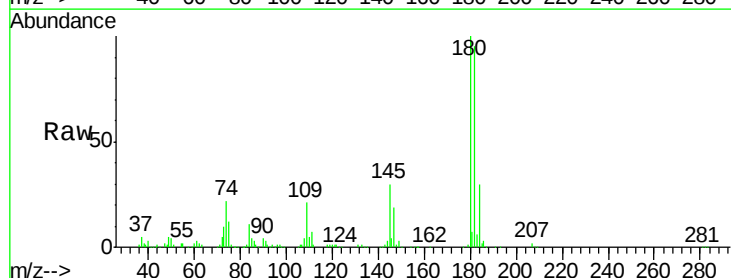
Tgt Ion:180 Resp: 366821

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 28.9 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

