

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054430.D
 Acq On : 19 Mar 2019 10:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:49:44 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	1378953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2042299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1770591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	836233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	646620	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
35) Dibromofluoromethane	7.59	113	640135	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	2350919	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	809475	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	634951	48.585	ug/l	99
3) Chloromethane	2.06	50	569116	44.831	ug/l	99
4) Vinyl Chloride	2.19	62	635932	43.828	ug/l	98
5) Bromomethane	2.57	94	410866	40.885	ug/l	97
6) Chloroethane	2.71	64	374152	42.618	ug/l	99
7) Trichlorofluoromethane	3.02	101	807068	41.836	ug/l	99
8) Diethyl Ether	3.41	74	421325	47.927	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	693250	47.955	ug/l	99
10) Methyl Iodide	3.94	142	973272	47.485	ug/l	99
11) Tert butyl alcohol	4.82	59	232981	232.065	ug/l	99
12) 1,1-Dichloroethene	3.73	96	647507	45.199	ug/l	98
13) Acrolein	3.61	56	227599	239.244	ug/l	100
14) Allyl chloride	4.31	41	881456	47.956	ug/l	94
15) Acrylonitrile	4.99	53	1139025	276.200	ug/l	99
16) Acetone	3.82	43	969210	231.146	ug/l	97
17) Carbon Disulfide	4.04	76	1471041	40.962	ug/l	99
18) Methyl Acetate	4.33	43	526499	62.063	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1833937	51.647	ug/l	100
20) Methylene Chloride	4.54	84	698374	50.724	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	676166	49.262	ug/l	99
22) Diisopropyl ether	5.96	45	1897481	51.725	ug/l	95
23) Vinyl Acetate	5.90	43	6634750	245.300	ug/l	98
24) 1,1-Dichloroethane	5.84	63	1181411	50.157	ug/l	99
25) 2-Butanone	6.84	43	1368423	278.057	ug/l	98
26) 2,2-Dichloropropane	6.82	77	882739	42.616	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	796193	51.995	ug/l	96
28) Bromochloromethane	7.19	49	444307	46.141	ug/l	96
29) Tetrahydrofuran	7.22	42	827186	261.415	ug/l	97
30) Chloroform	7.37	83	1227771	49.952	ug/l	99
31) Cyclohexane	7.65	56	1075767	48.822	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1055138	47.533	ug/l	100
36) 1,1-Dichloropropene	7.79	75	931957	49.552	ug/l	98
37) Ethyl Acetate	6.93	43	550869	50.975	ug/l	98
38) Carbon Tetrachloride	7.77	117	927409	47.021	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1162781	50.248	ug/l	98
40) Benzene	8.04	78	2809778	52.206	ug/l	99
41) Methacrylonitrile	7.17	41	319001	51.699	ug/l	95
42) 1,2-Dichloroethane	8.12	62	863247	47.508	ug/l	97
43) Isopropyl Acetate	8.17	43	944423	49.788	ug/l	96
44) Trichloroethene	8.83	130	850945	50.896	ug/l	97
45) 1,2-Dichloropropane	9.12	63	715686	53.553	ug/l	99
46) Dibromomethane	9.21	93	458589	50.787	ug/l	99
47) Bromodichloromethane	9.40	83	907739	50.146	ug/l	97
48) Methyl methacrylate	9.20	41	491264	51.033	ug/l	91
49) 1,4-Dioxane	9.20	88	153373	1126.386	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2685220	267.494	ug/l	95
52) Toluene	10.15	92	1778165	52.106	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	878002	42.708	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1060282	50.264	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	662621	53.177	ug/l	98
56) Ethyl methacrylate	10.43	69	815078	54.859	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1080886	53.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1576327	244.914	ug/l	99
59) 2-Hexanone	10.75	43	1766829	264.514	ug/l	95
60) Dibromochloromethane	10.90	129	719280	51.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	657919	51.957	ug/l	98
64) Tetrachloroethene	10.63	164	857010	50.062	ug/l	99
65) Chlorobenzene	11.43	112	2044295	52.583	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	730150	51.699	ug/l	99
67) Ethyl Benzene	11.51	91	3345725	51.915	ug/l	99
68) m/p-Xylenes	11.62	106	2671067	106.043	ug/l	97
69) o-Xylene	11.95	106	1302584	53.049	ug/l	97
70) Styrene	11.96	104	2060573	53.508	ug/l	99
71) Bromoform	12.13	173	474295	44.335	ug/l	100
73) Isopropylbenzene	12.25	105	3418456	51.095	ug/l	99
74) N-amyl acetate	12.07	43	776254	52.271	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	768508	53.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	898537	73.069	ug/l #	100
77) Bromobenzene	12.53	156	907730	51.273	ug/l	99
78) n-propylbenzene	12.59	91	3755998	51.739	ug/l	100
79) 2-Chlorotoluene	12.67	91	2225068	50.976	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2808852	50.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	157447	43.768	ug/l	95
82) 4-Chlorotoluene	12.77	91	2222978	51.003	ug/l	99
83) tert-Butylbenzene	12.99	119	2563888	50.054	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2845662	52.123	ug/l	100
85) sec-Butylbenzene	13.17	105	3277559	49.340	ug/l	100
86) p-Isopropyltoluene	13.29	119	2947917	50.584	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1574139	52.768	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1531830	52.271	ug/l	100
89) n-Butylbenzene	13.61	91	2288568	51.684	ug/l	99
90) Hexachloroethane	13.87	117	442332	45.838	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1526861	52.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110483	50.089	ug/l	93

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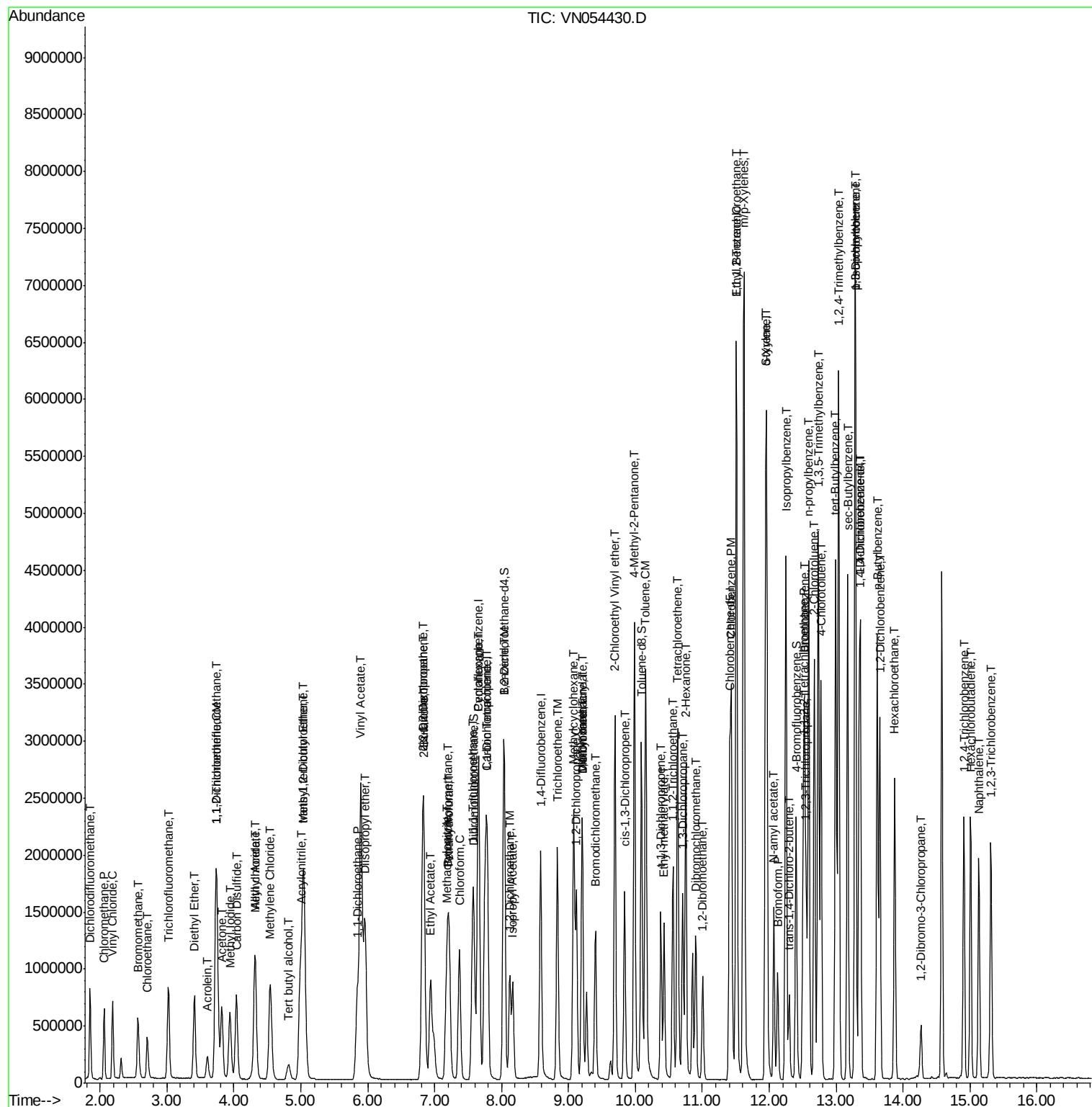
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	849805	48.354	ug/l	99
94) Hexachlorobutadiene	15.01	225	510562	45.963	ug/l	100
95) Naphthalene	15.13	128	1747620	47.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	822677	53.093	ug/l	99

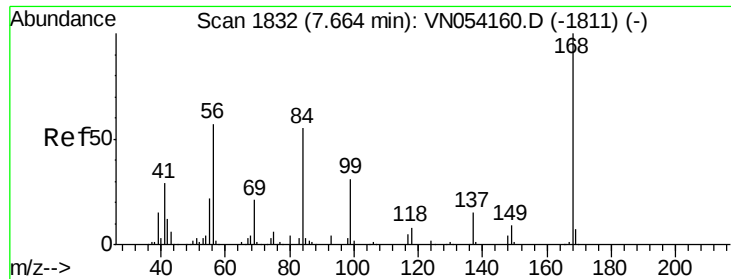
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

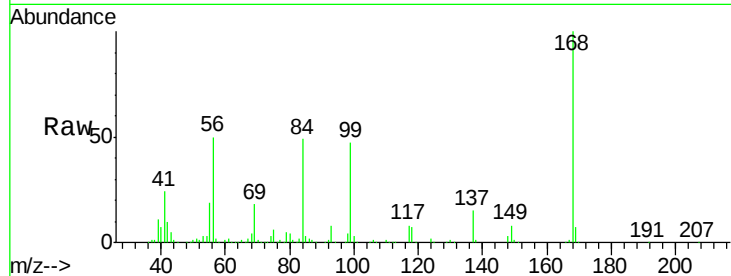
ClientSampled :

Tot Ion:168 Resp: 1378953

Ion Ratio Lower Upper

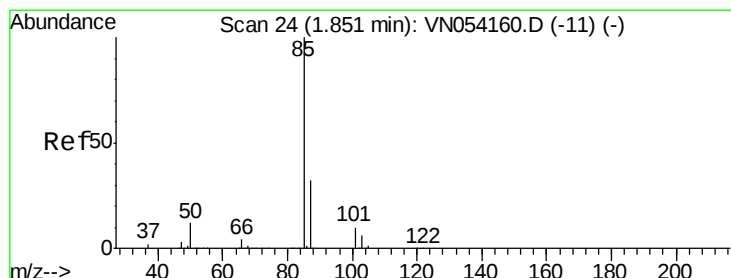
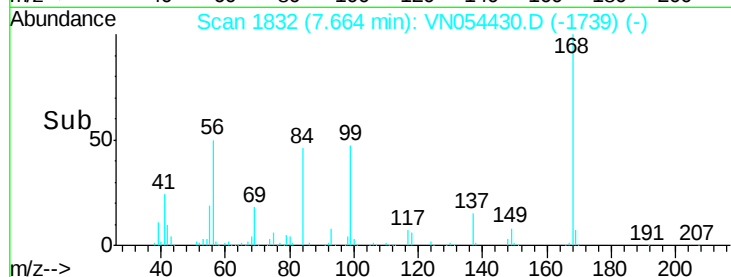
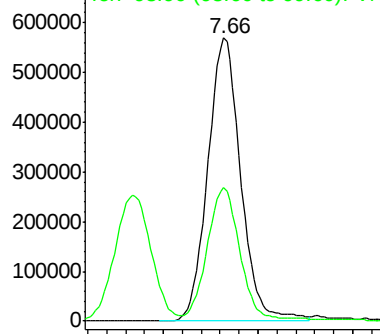
168 100

99 46.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.585 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054430.D

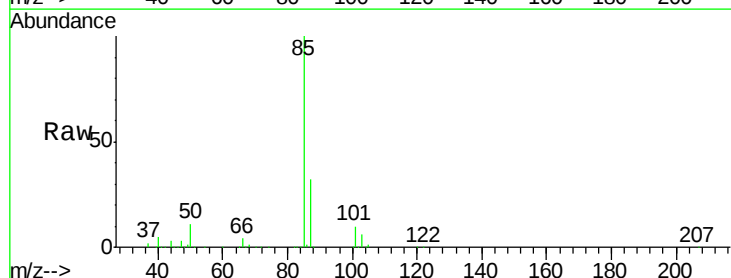
Acq: 19 Mar 2019 10:17

Tgt Ion: 85 Resp: 634951

Ion Ratio Lower Upper

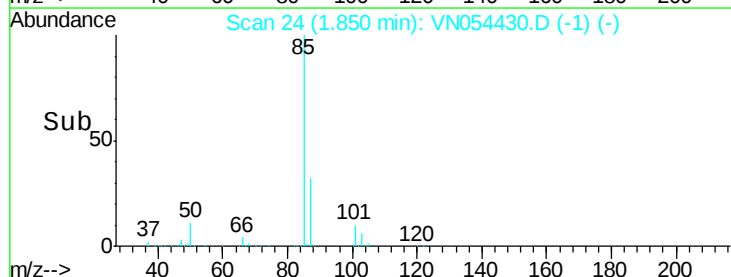
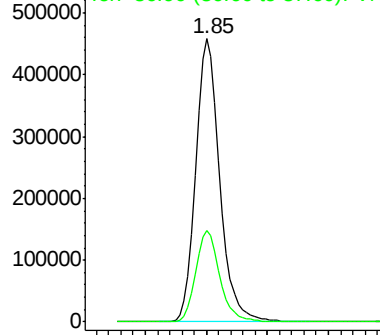
85 100

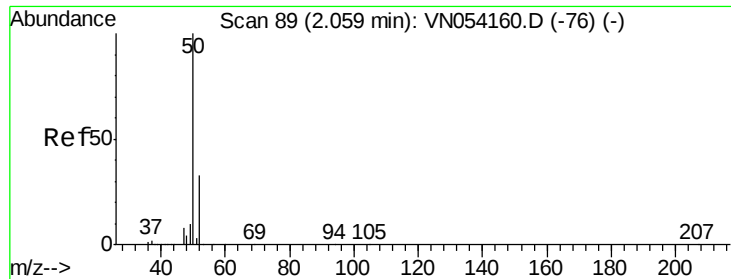
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.831 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

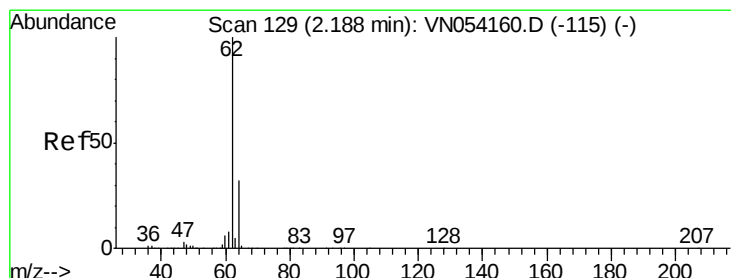
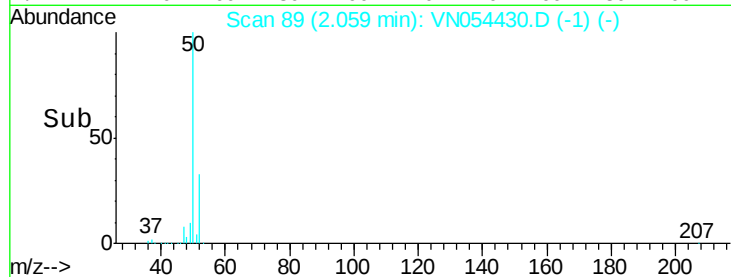
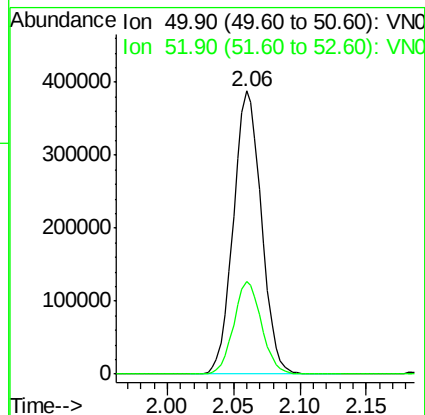
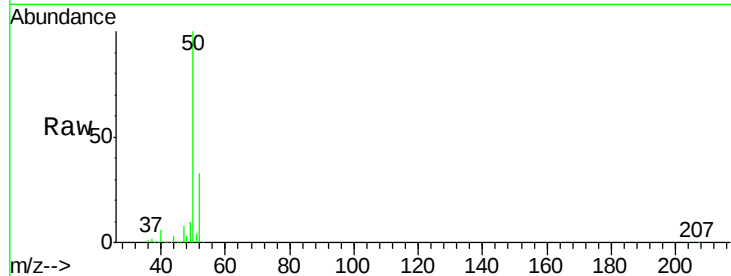
ClientSampleId :

Tot Ion: 50 Resp: 569116

Ion Ratio Lower Upper

50 100

52 32.6 26.4 39.6



#4

Vinyl Chloride

Concen: 43.828 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054430.D

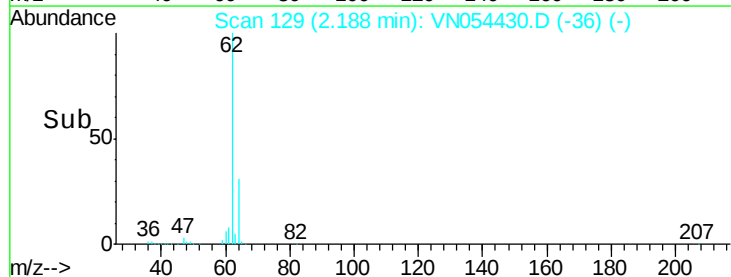
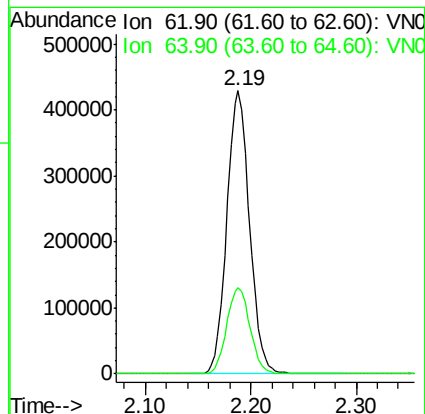
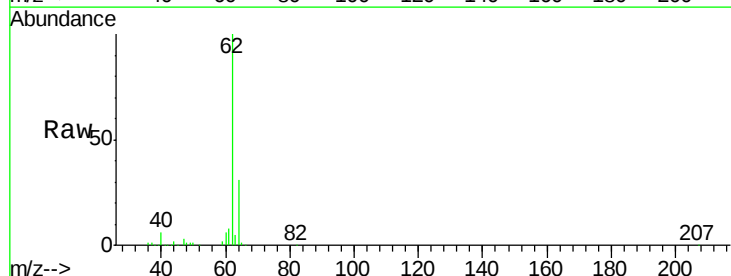
Acq: 19 Mar 2019 10:17

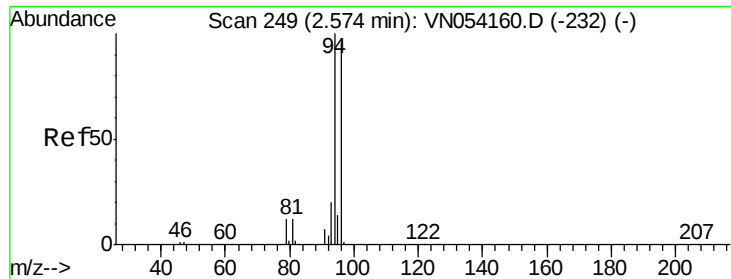
Tgt Ion: 62 Resp: 635932

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 40.885 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

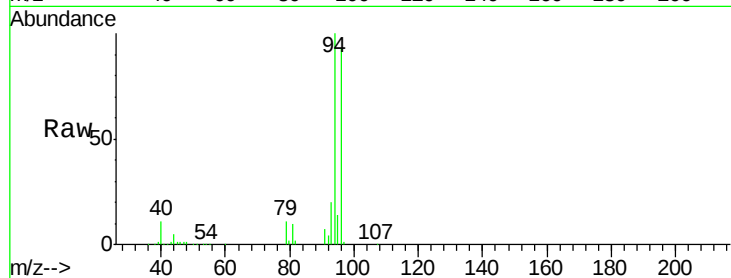
ClientSampled :

Tot Ion: 94 Resp: 410866

Ion Ratio Lower Upper

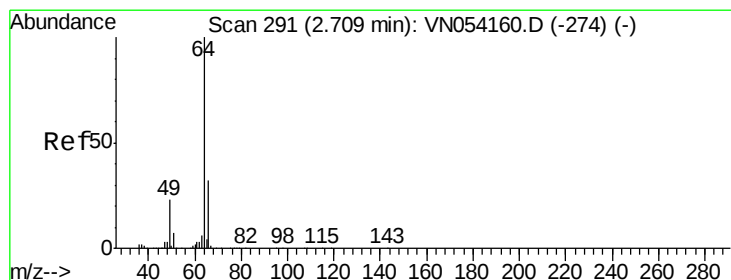
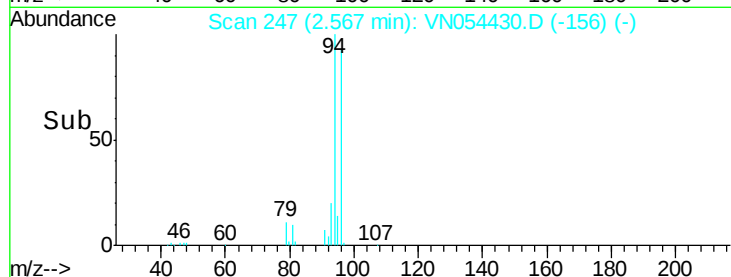
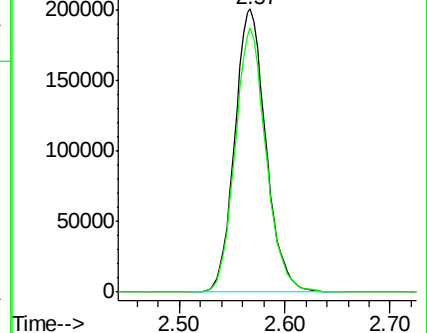
94 100

96 93.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.618 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054430.D

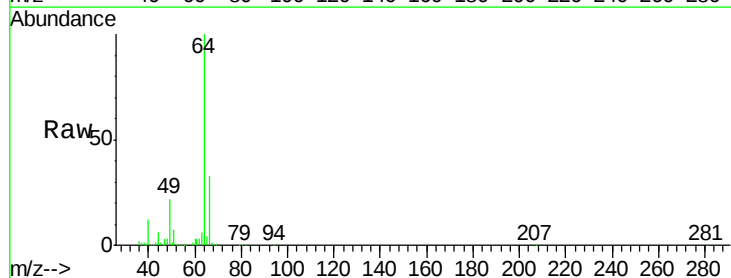
Acq: 19 Mar 2019 10:17

Tgt Ion: 64 Resp: 374152

Ion Ratio Lower Upper

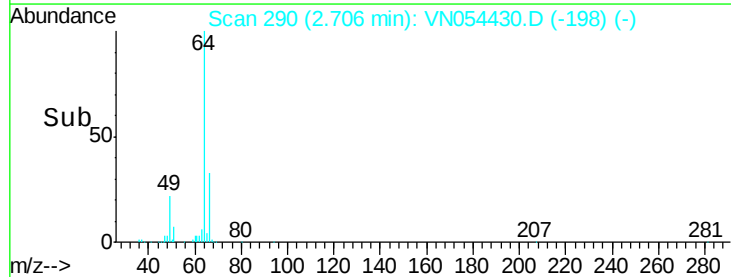
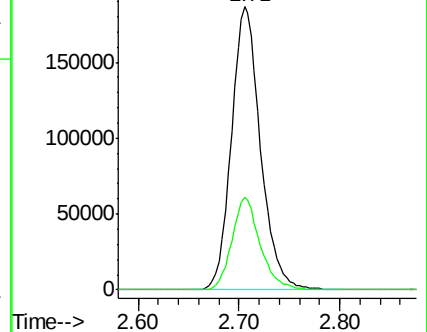
64 100

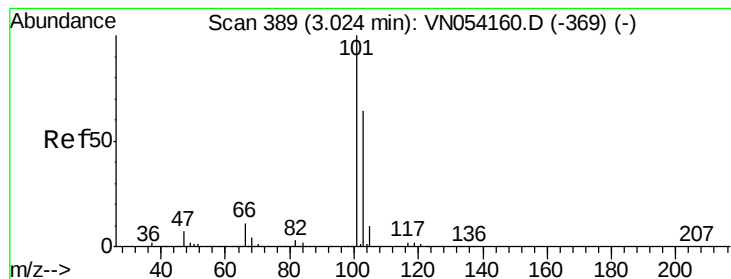
66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



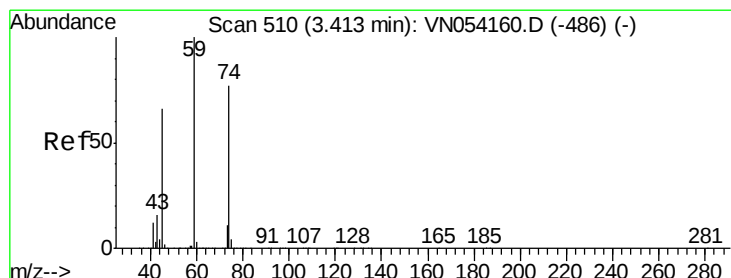
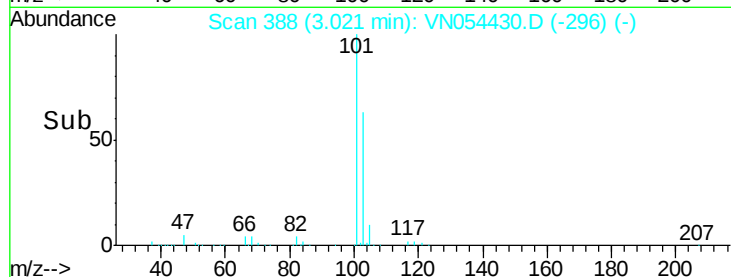
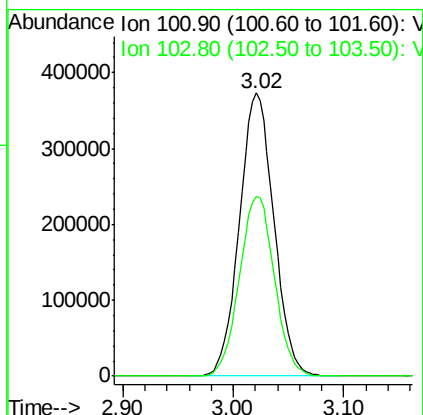
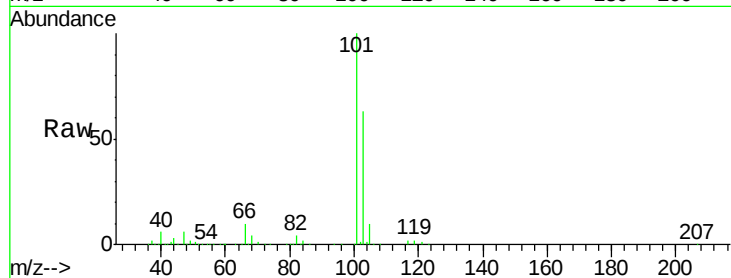


#7

Trichlorofluoromethane
 Concen: 41.836 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
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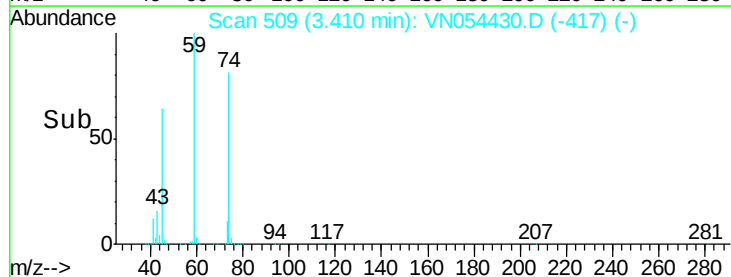
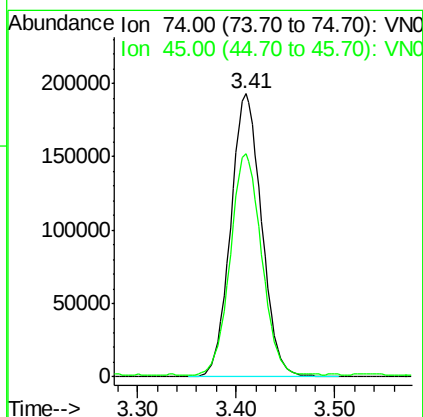
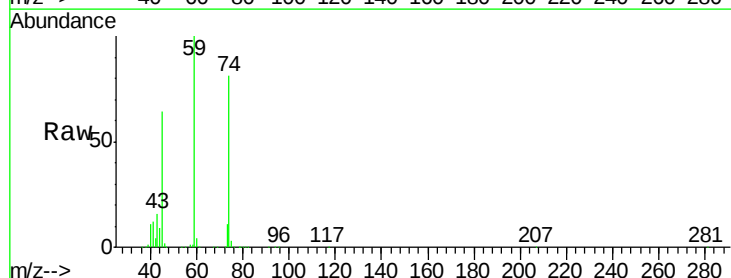
Tot Ion:101 Resp: 807068
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.2

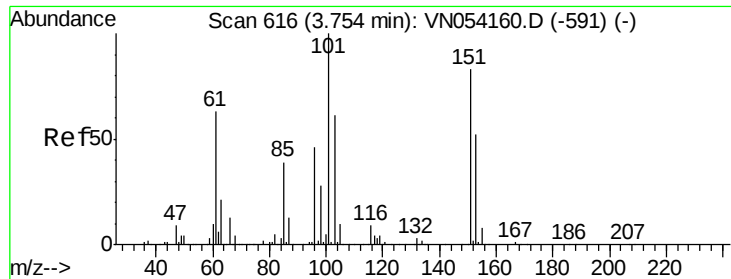


#8

Diethyl Ether
 Concen: 47.927 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 74 Resp: 421325
 Ion Ratio Lower Upper
 74 100
 45 79.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.955 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

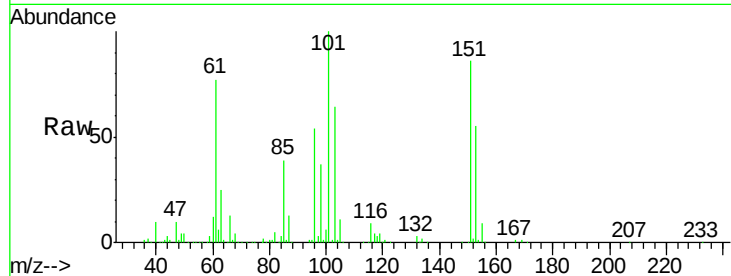
Tot Ion:101 Resp: 693250

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

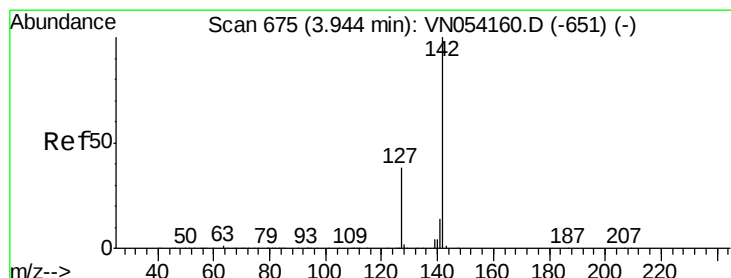
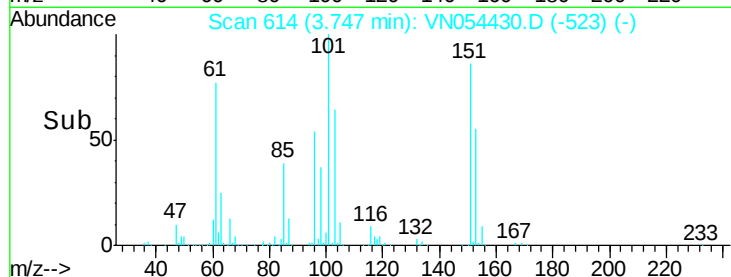
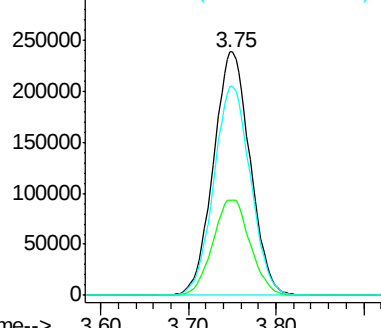
151 86.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.485 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

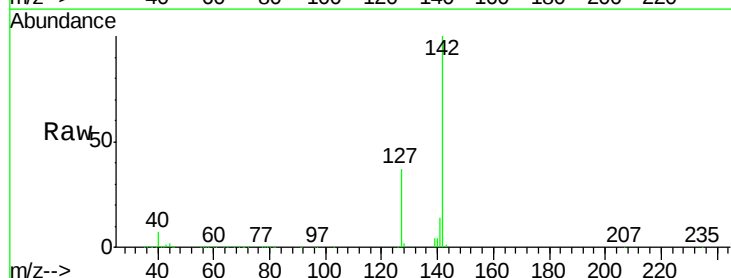
Tgt Ion:142 Resp: 973272

Ion Ratio Lower Upper

142 100

127 37.0 30.3 45.5

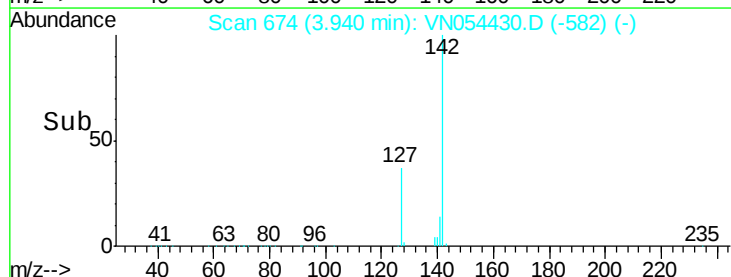
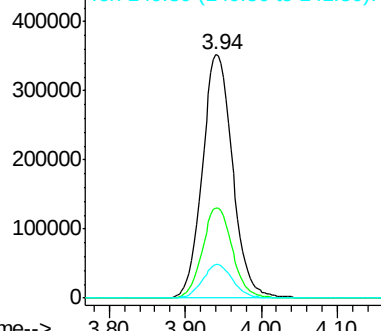
141 13.8 11.2 16.8

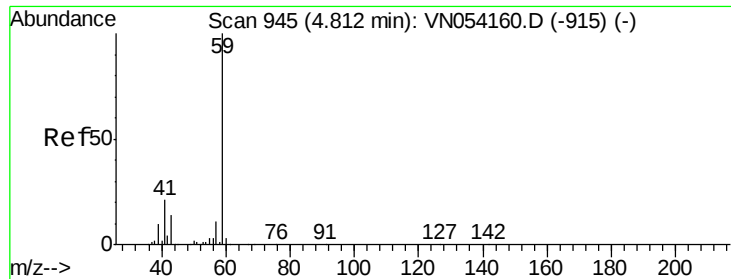


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



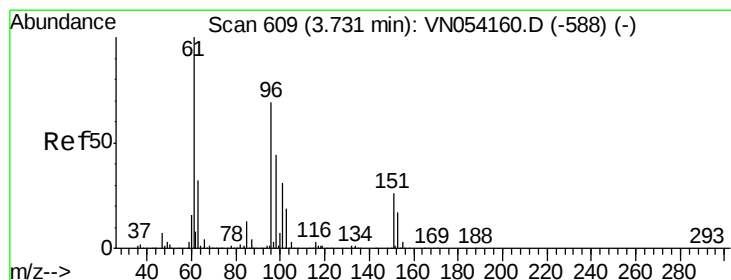
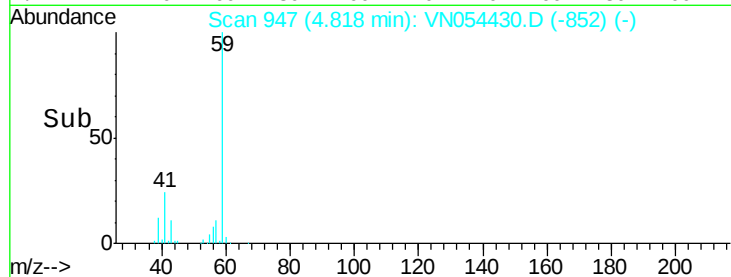
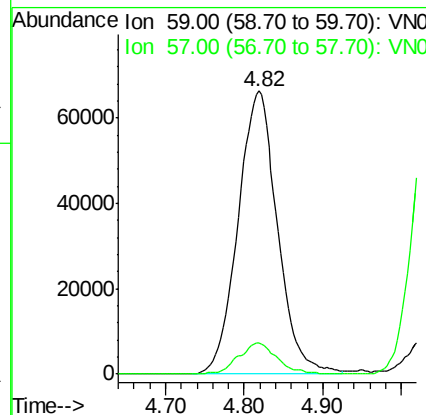
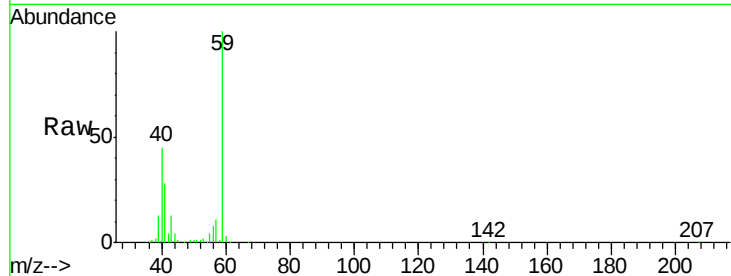


#11

Tert butyl alcohol
 Concen: 232.065 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampled :

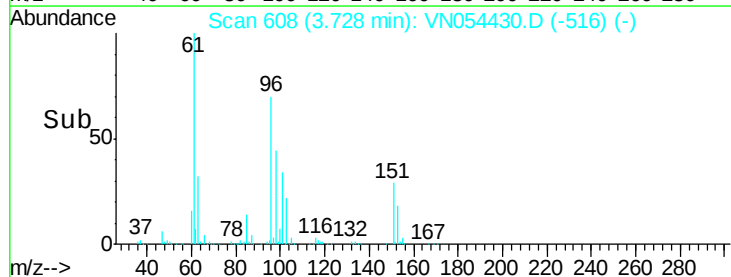
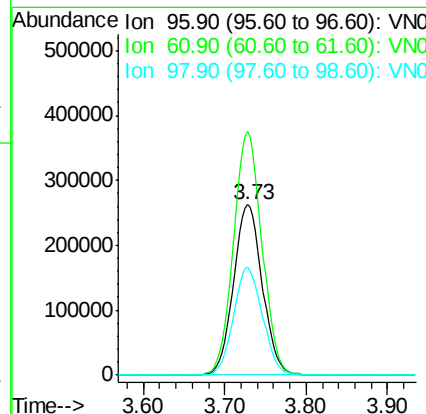
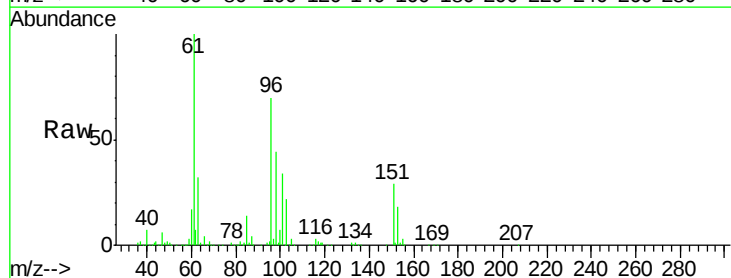
Tot Ion: 59 Resp: 232981
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.6

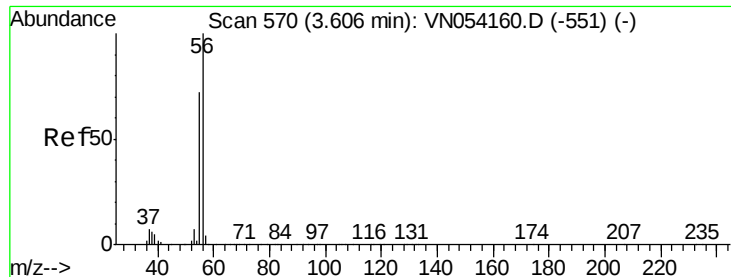


#12

1,1-Dichloroethene
 Concen: 45.199 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 96 Resp: 647507
 Ion Ratio Lower Upper
 96 100
 61 142.7 116.5 174.7
 98 63.2 51.0 76.4





#13

Acrolein

Concen: 239.244 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

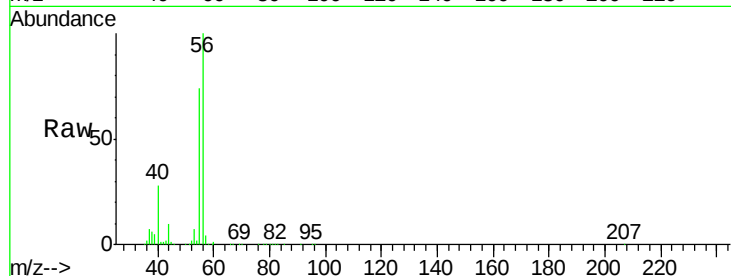
ClientSampled :

Tot Ion: 56 Resp: 227599

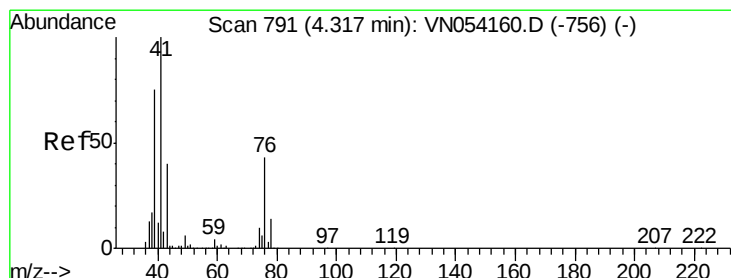
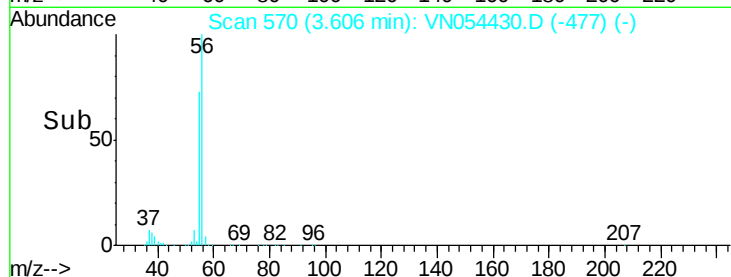
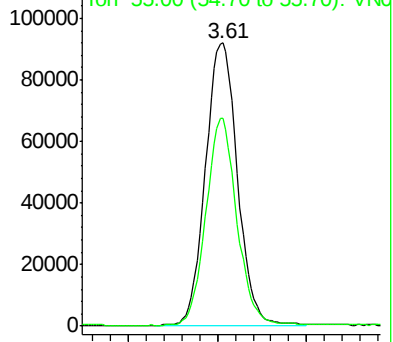
Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054430.D (-477) (-)



#14

Allyl chloride

Concen: 47.956 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

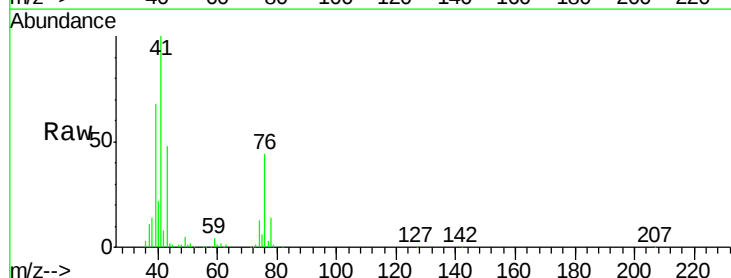
Tgt Ion: 41 Resp: 881456

Ion Ratio Lower Upper

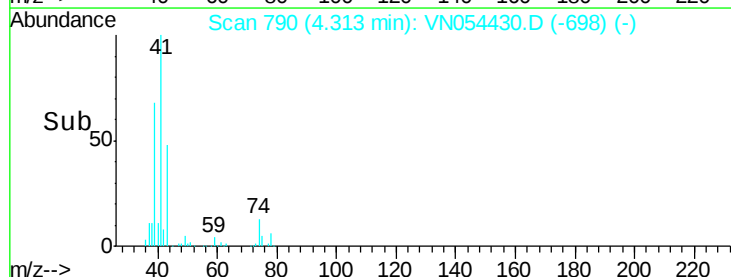
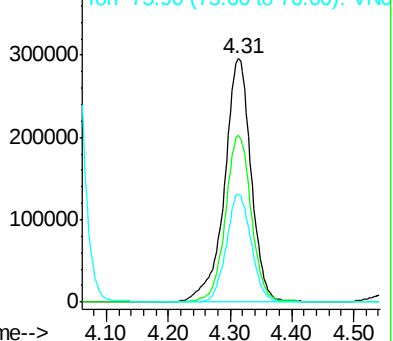
41 100

39 66.2 58.2 87.4

76 41.1 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN054430.D (-698) (-)



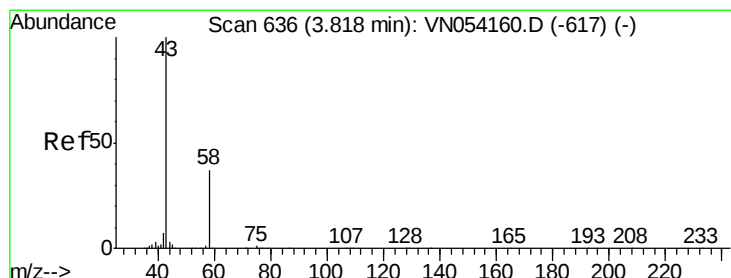
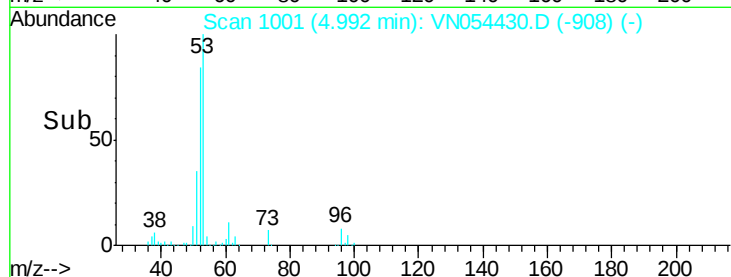
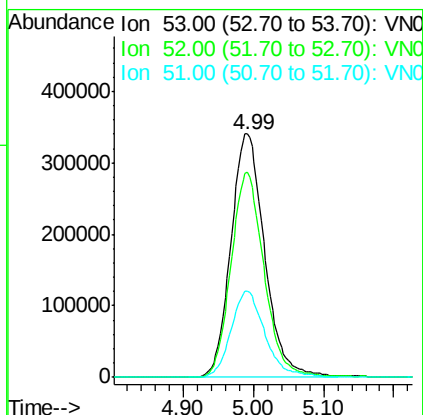
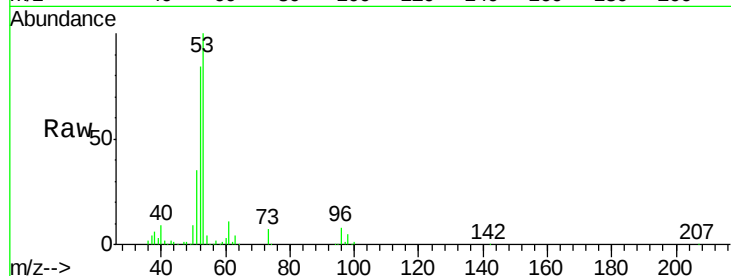


#15
 Acrylonitrile
 Concen: 276.200 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 1139025

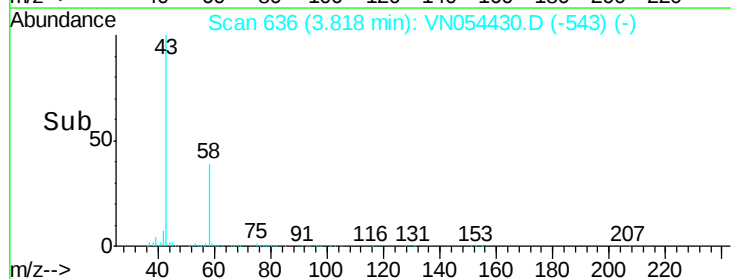
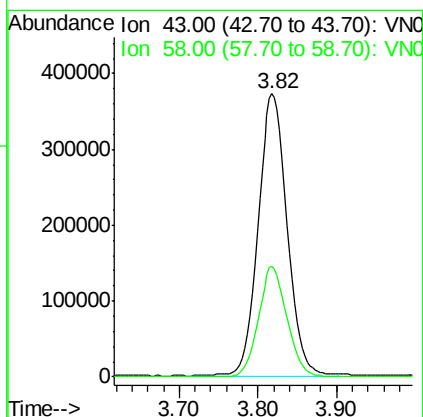
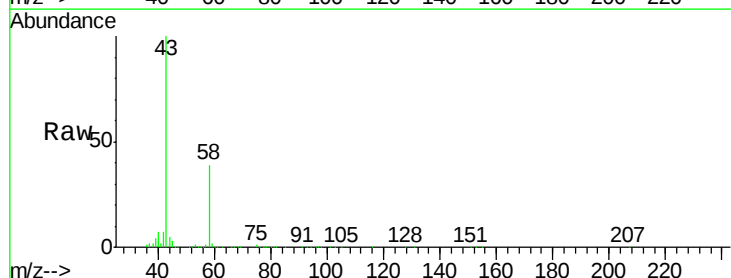
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	35.7	29.6	44.4

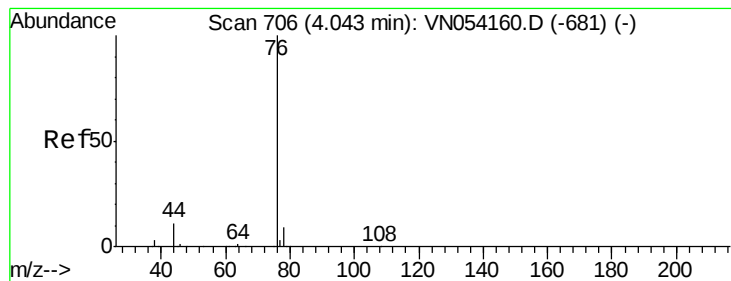


#16
 Acetone
 Concen: 231.146 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 43 Resp: 969210

Ion	Ratio	Lower	Upper
43	100		
58	39.1	29.9	44.9





#17

Carbon Disulfide

Concen: 40.962 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

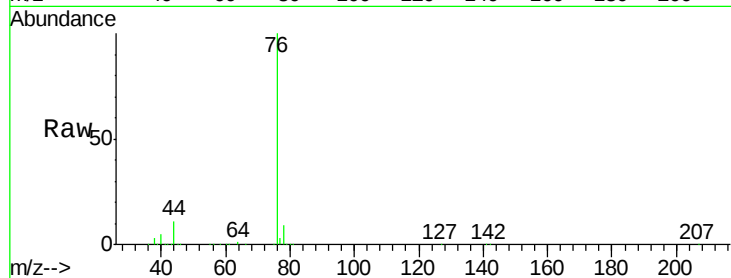
ClientSampled :

Tot Ion: 76 Resp: 1471041

Ion Ratio Lower Upper

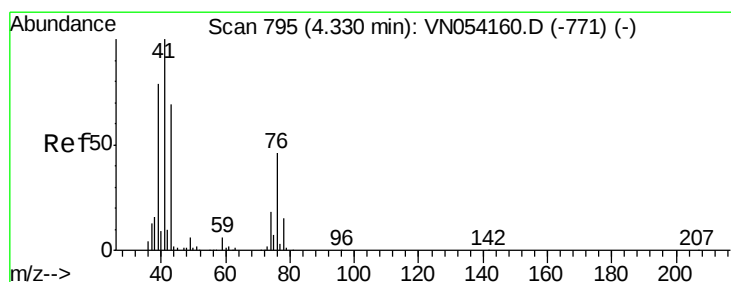
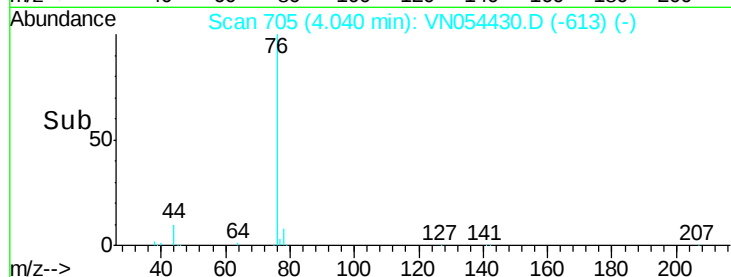
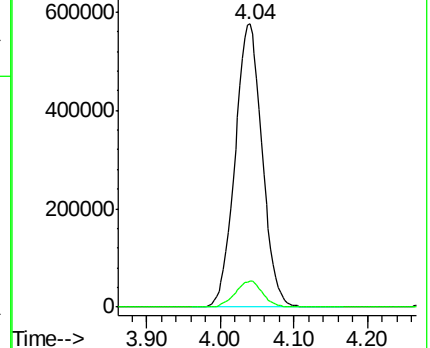
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 62.063 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054430.D

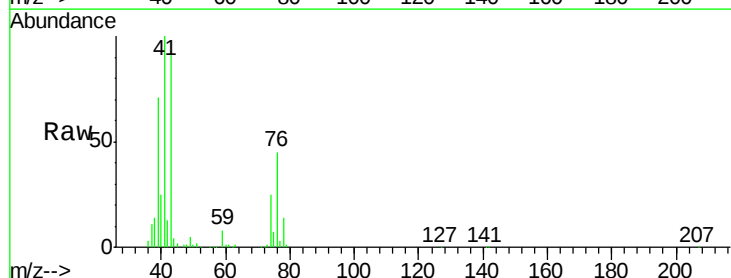
Acq: 19 Mar 2019 10:17

Tgt Ion: 43 Resp: 526499

Ion Ratio Lower Upper

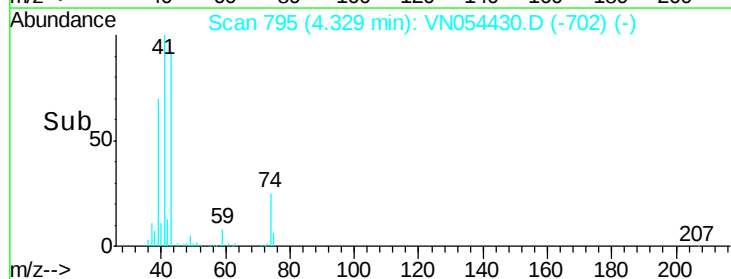
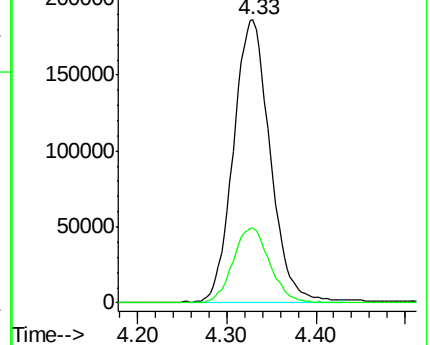
43 100

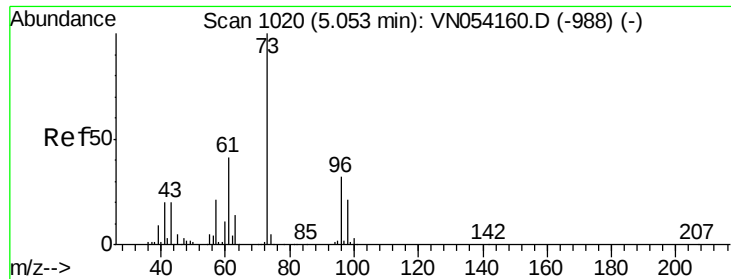
74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

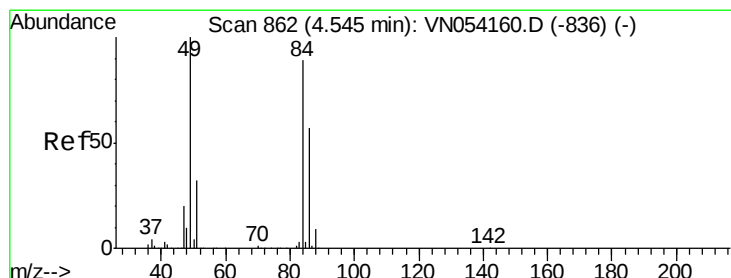
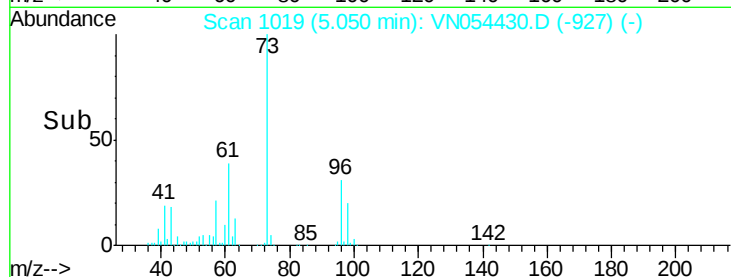
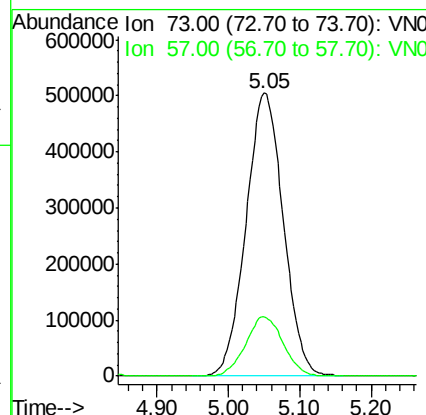
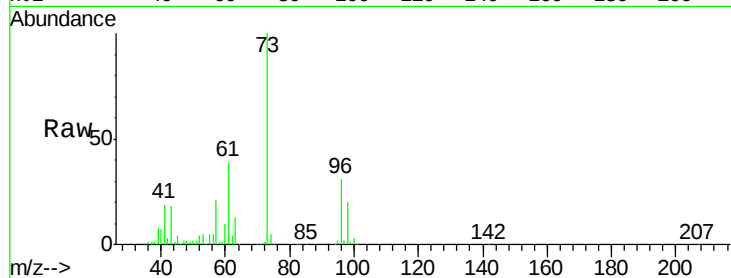




#19
Methvl tert-butvl Ether
Concen: 51.647 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

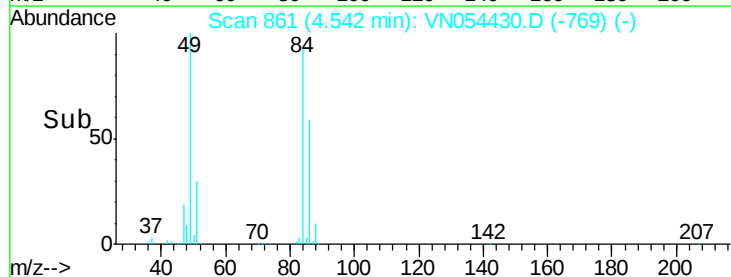
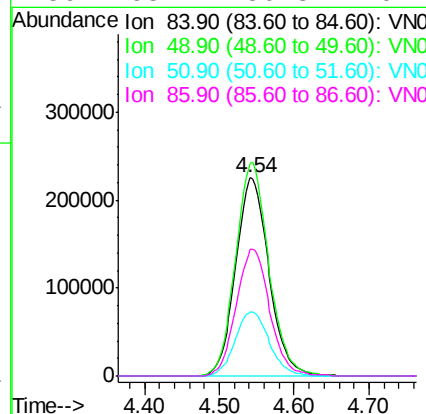
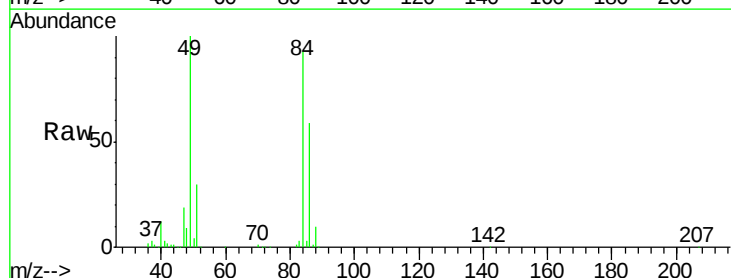
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 1833937
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2



#20
Methylene Chloride
Concen: 50.724 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 84 Resp: 698374
Ion Ratio Lower Upper
84 100
49 107.5 89.7 134.5
51 32.5 28.2 42.4
86 63.7 50.8 76.2

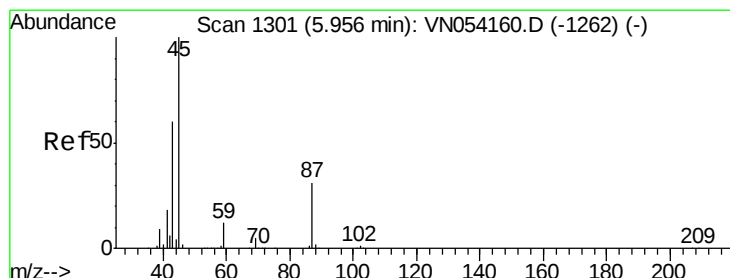
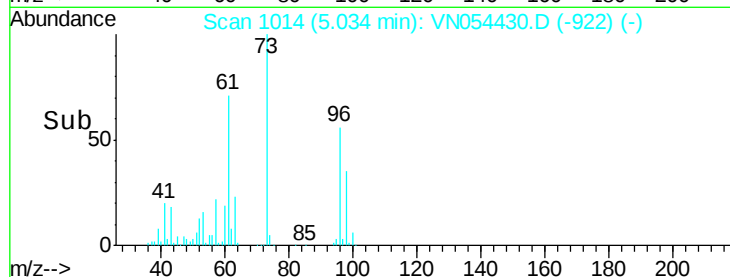
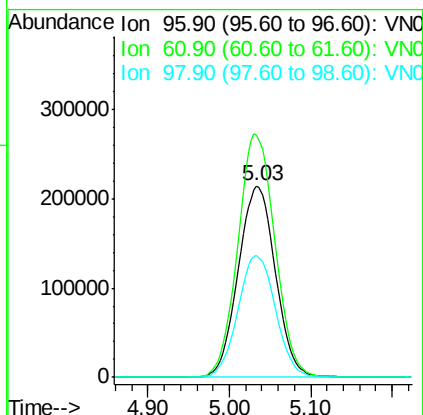
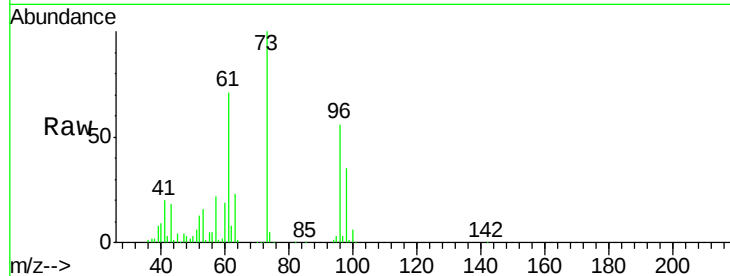




#21
trans-1,2-Dichloroethene
Concen: 49.262 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

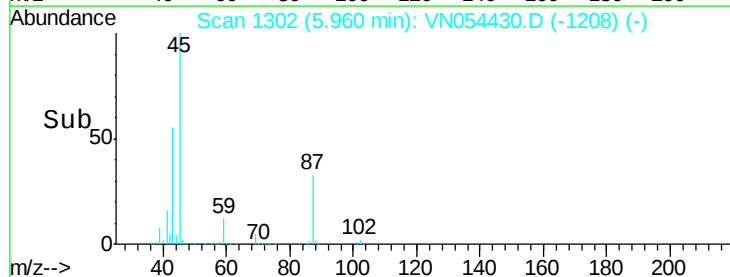
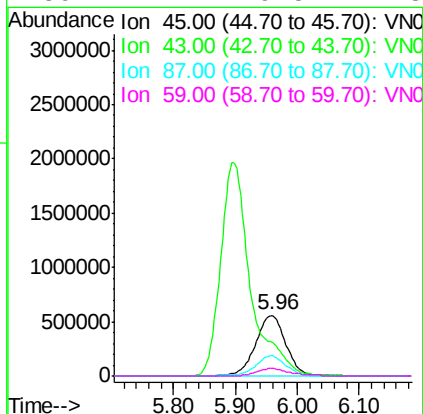
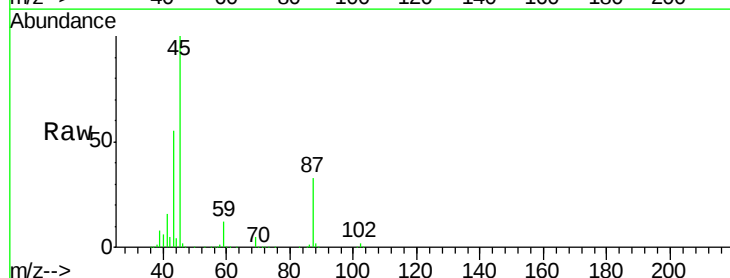
Instrument :
MSVOA_N
ClientSampleId :

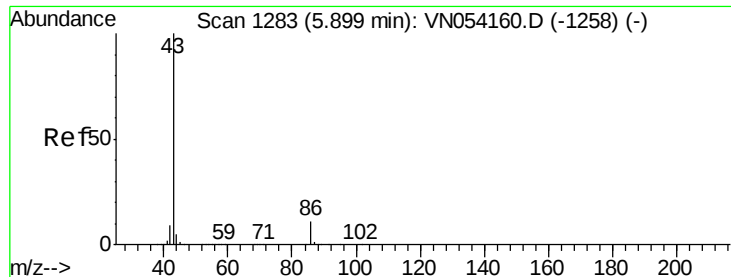
Tot Ion: 96 Resp: 676166
Ion Ratio Lower Upper
96 100
61 126.7 102.8 154.2
98 63.5 50.0 75.0



#22
Diisopropyl ether
Concen: 51.725 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 45 Resp: 1897481
Ion Ratio Lower Upper
45 100
43 54.8 48.2 72.2
87 32.8 24.9 37.3
59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 245.300 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

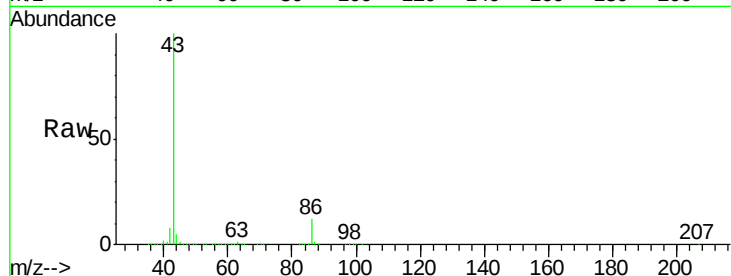
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 6634750

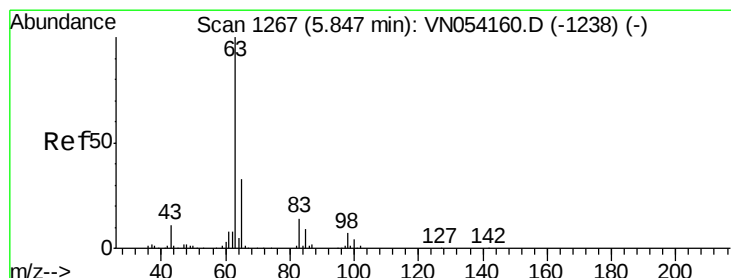
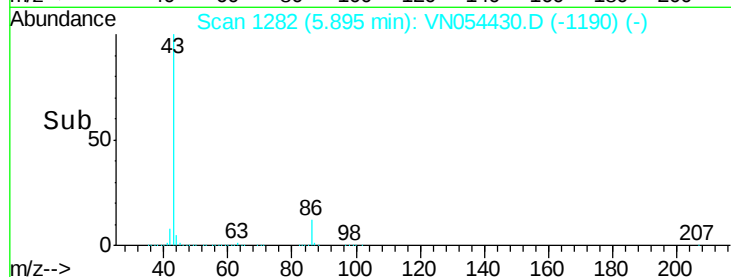
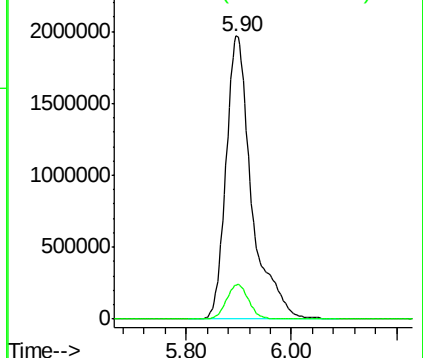
Ion Ratio Lower Upper

43 100

86 12.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN054430.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 50.157 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

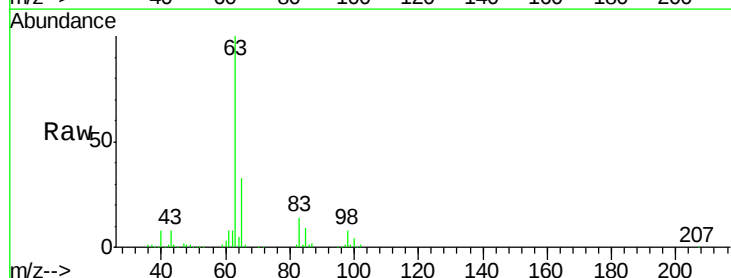
Tgt Ion: 63 Resp: 1181411

Ion Ratio Lower Upper

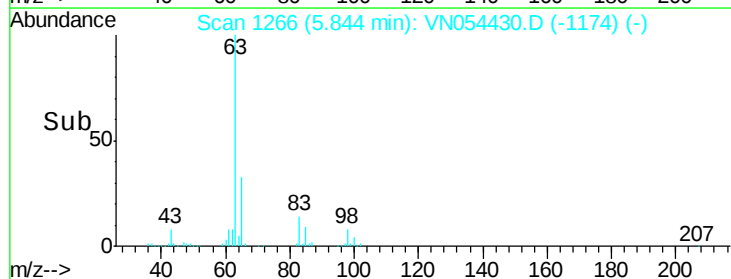
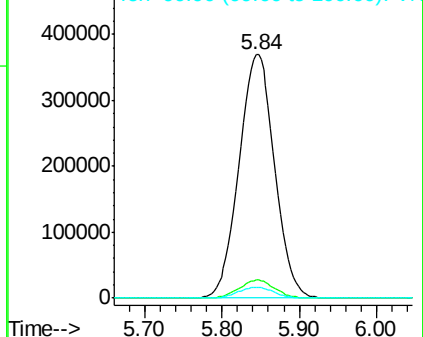
63 100

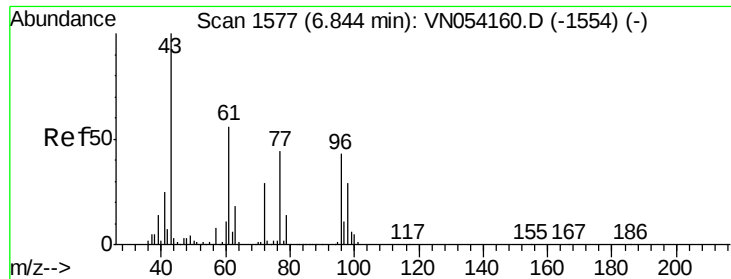
98 7.5 3.5 10.5

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054430.D (-1174) (-)





#25

2-Butanone

Concen: 278.057 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

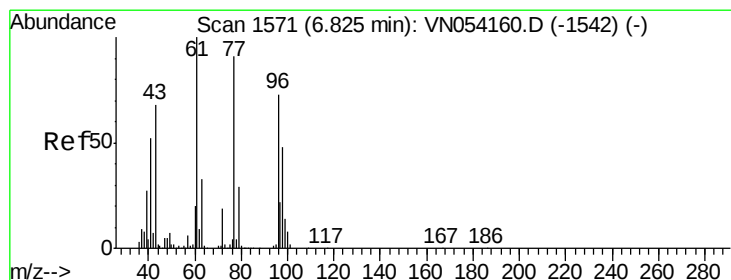
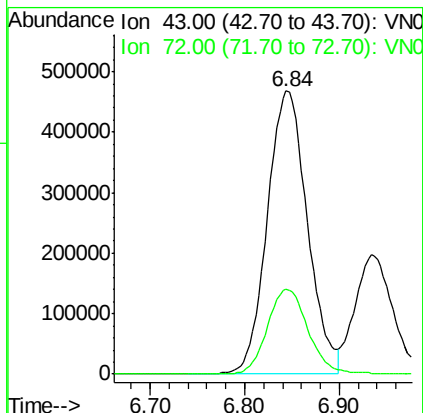
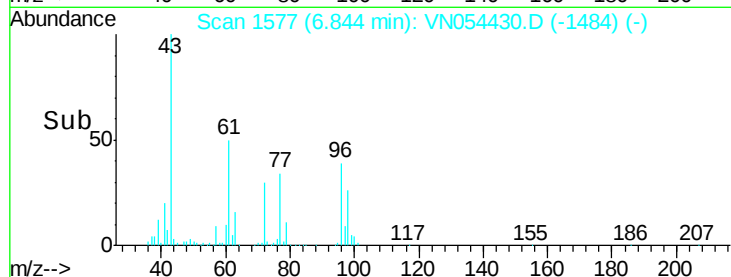
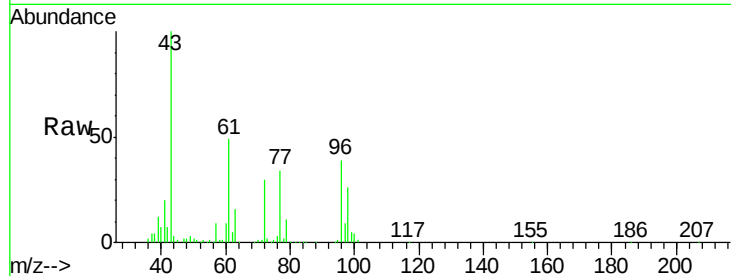
ClientSampled :

Tot Ion: 43 Resp: 1368423

Ion Ratio Lower Upper

43 100

72 30.1 23.0 34.6



#26

2,2-Dichloropropane

Concen: 42.616 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054430.D

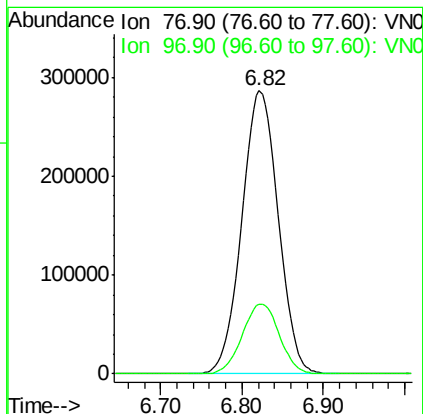
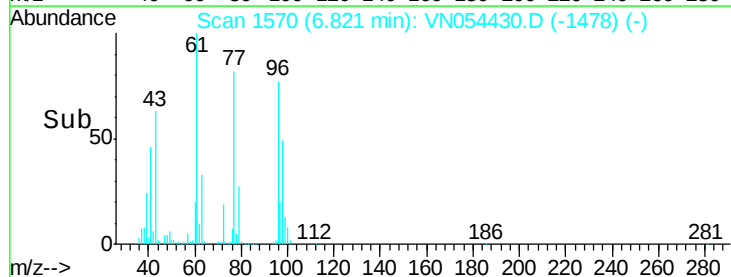
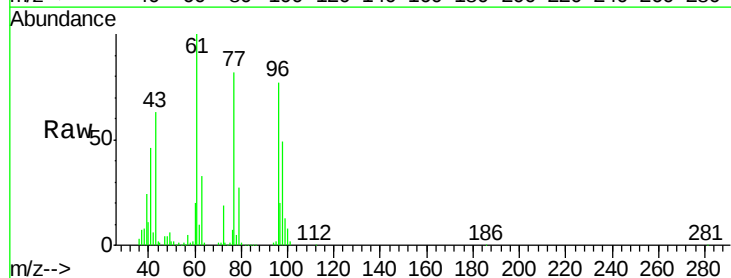
Acq: 19 Mar 2019 10:17

Tgt Ion: 77 Resp: 882739

Ion Ratio Lower Upper

77 100

97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.995 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

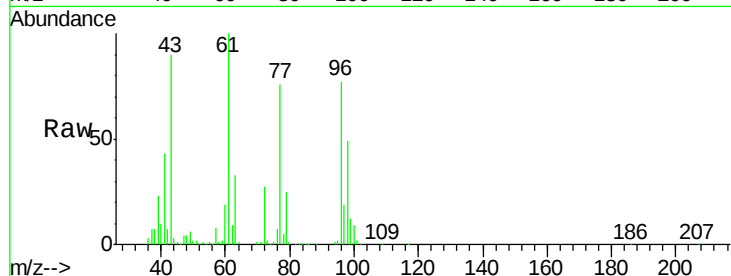
Tot Ion: 96 Resp: 796193

Ion Ratio Lower Upper

96 100

61 130.9 0.0 273.0

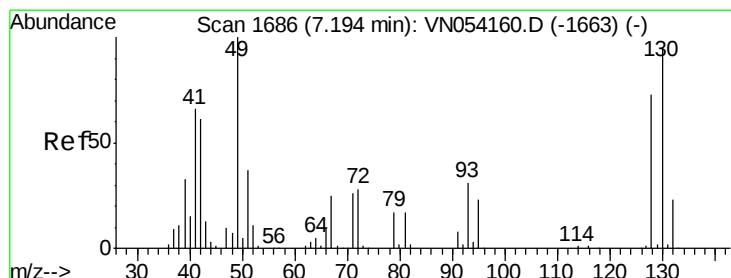
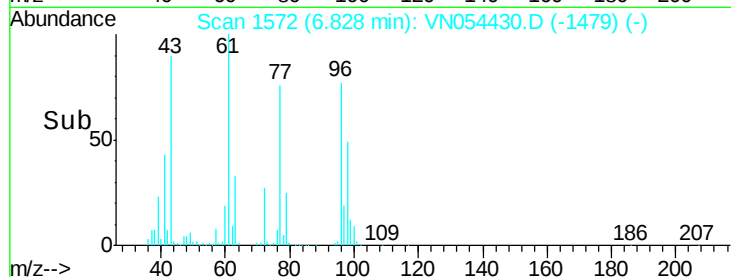
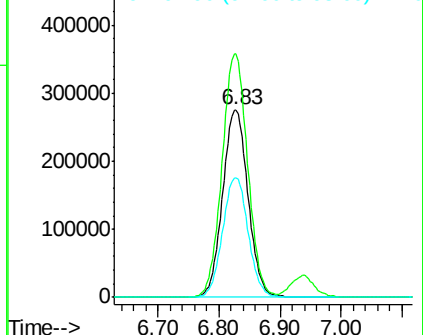
98 64.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054430.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054430.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054430.D (-1547) (-)



#28

Bromochloromethane

Concen: 46.141 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

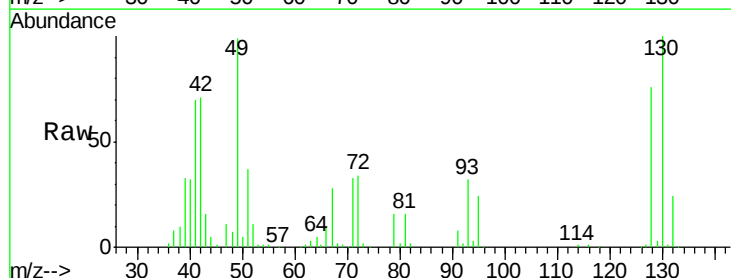
Tgt Ion: 49 Resp: 444307

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

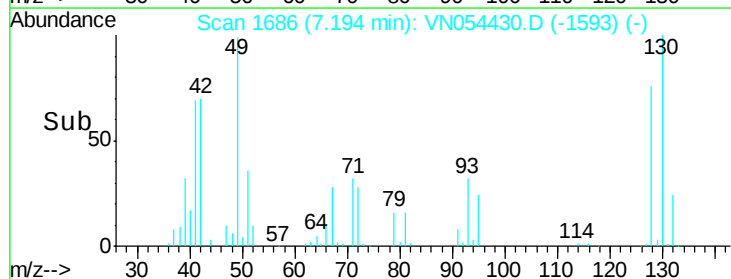
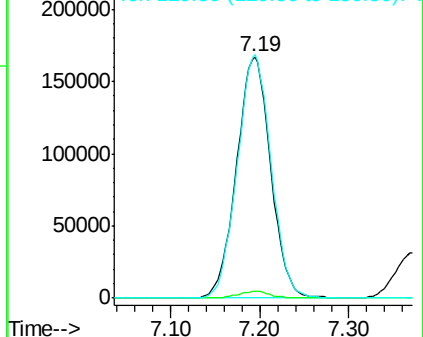
130 100.0 76.7 115.1

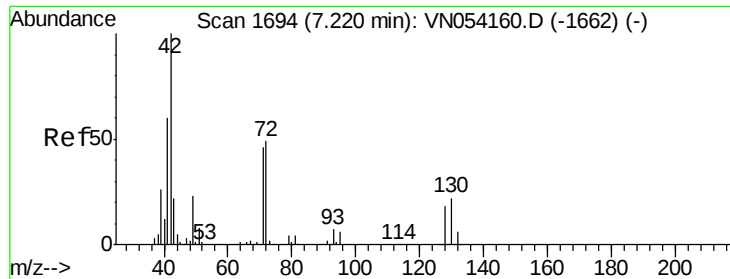


Abundance Ion 48.90 (48.60 to 49.60): VN054430.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054430.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054430.D (-1663) (-)

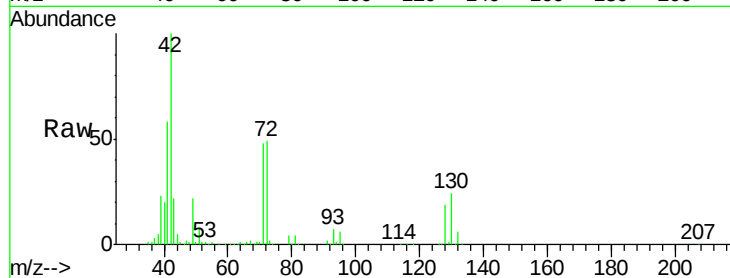




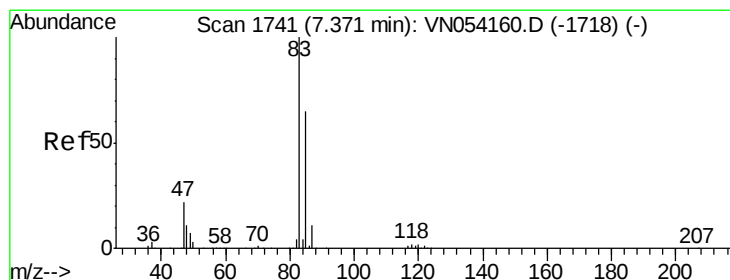
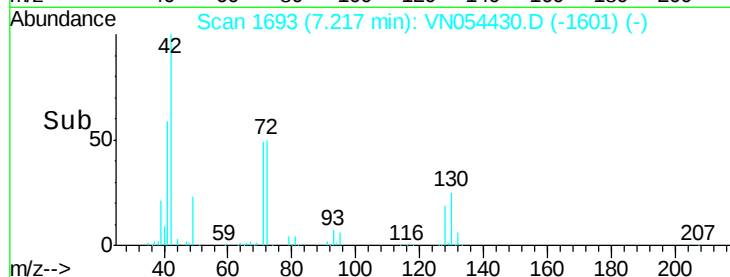
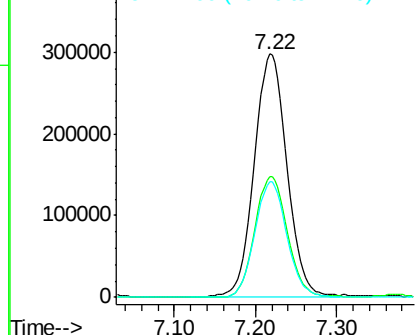
#29
Tetrahydrofuran
Concen: 261.415 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 827186
Ion Ratio Lower Upper
42 100
72 49.6 37.8 56.6
71 46.6 36.2 54.2

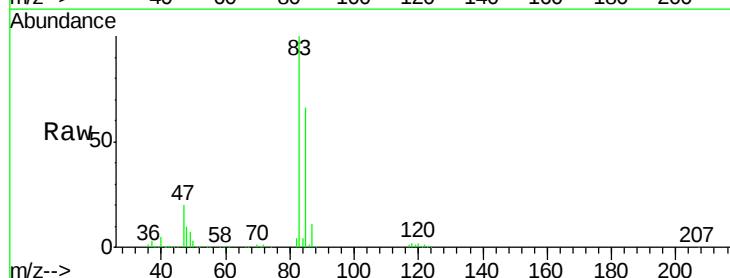


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

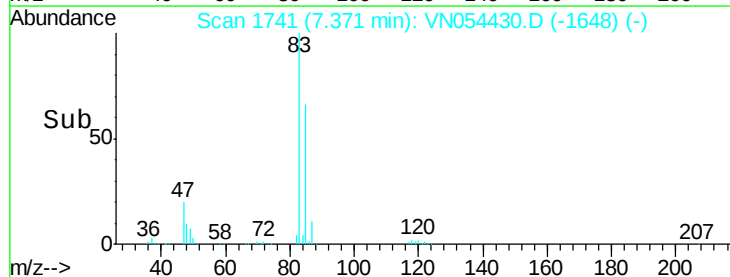
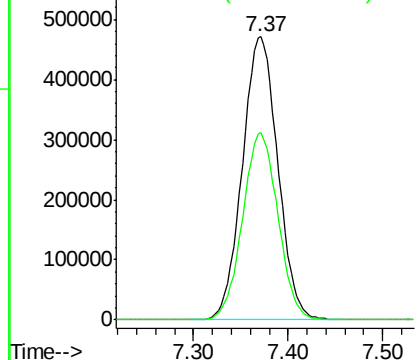


#30
Chloroform
Concen: 49.952 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 83 Resp: 1227771
Ion Ratio Lower Upper
83 100
85 66.1 52.2 78.4



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

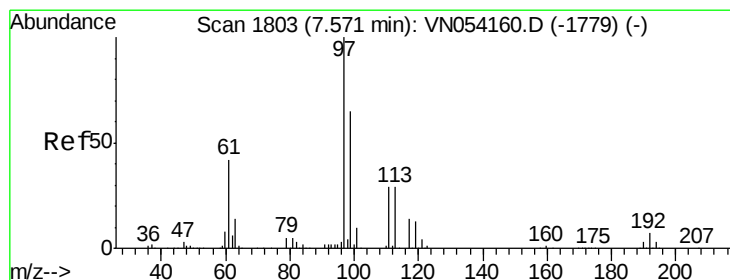
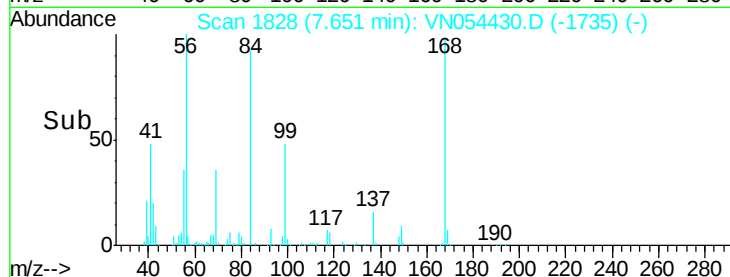
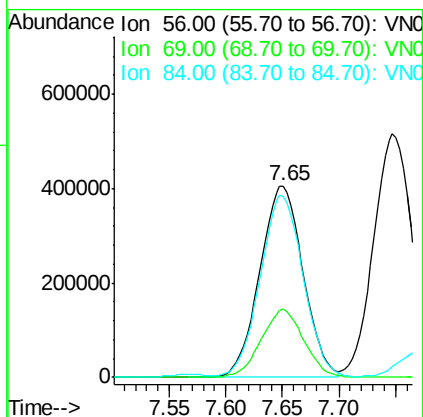
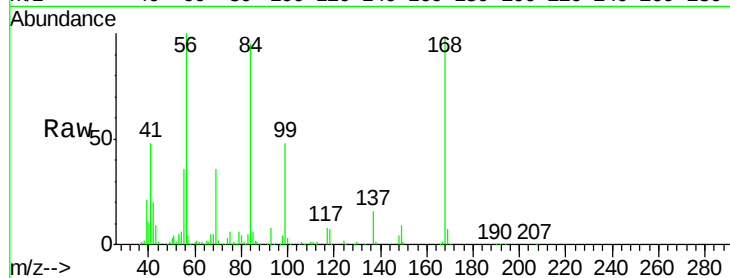




#31
Cyclohexane
Concen: 48.822 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

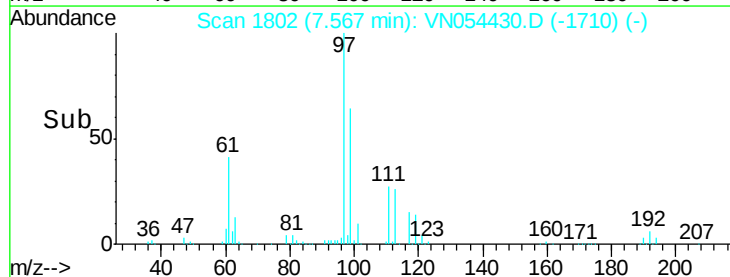
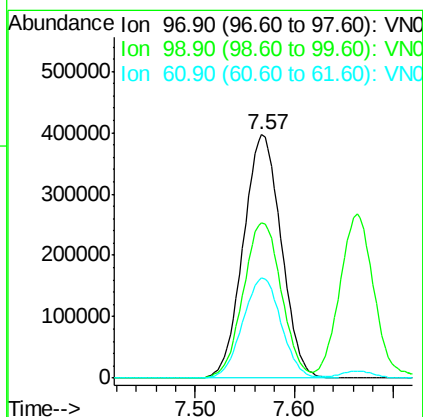
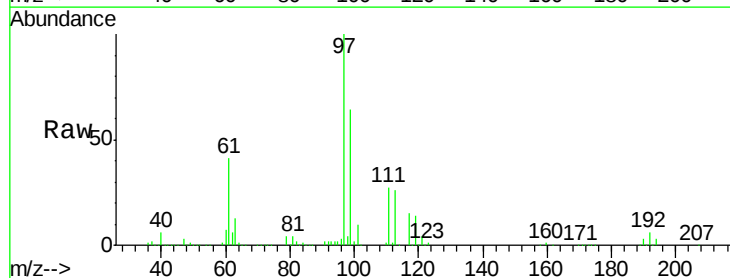
Instrument :
MSVOA_N
ClientSampled :

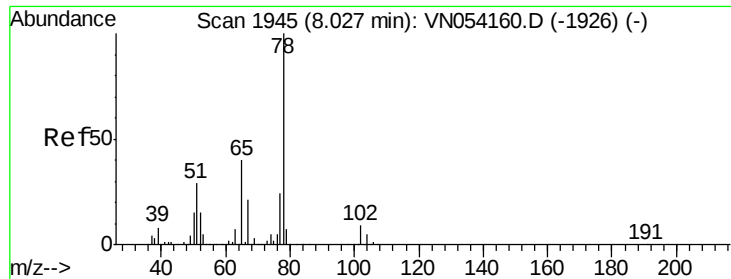
Tot Ion: 56 Resp: 1075767
Ion Ratio Lower Upper
56 100
69 35.8 27.8 41.6
84 93.4 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 47.533 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 97 Resp: 1055138
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 41.4 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 44.154 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

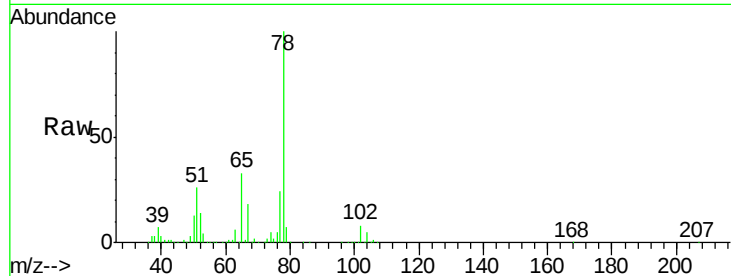
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 646620

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054430.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054430.D (-1852) (-)

8.03

300000

250000

200000

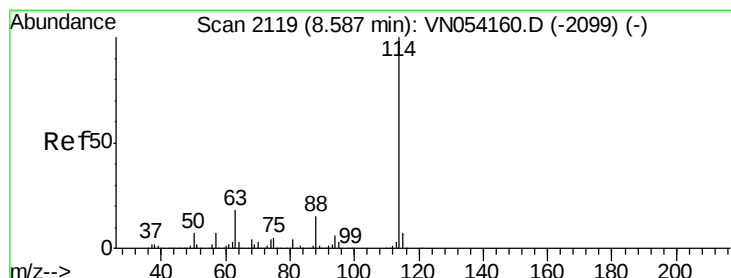
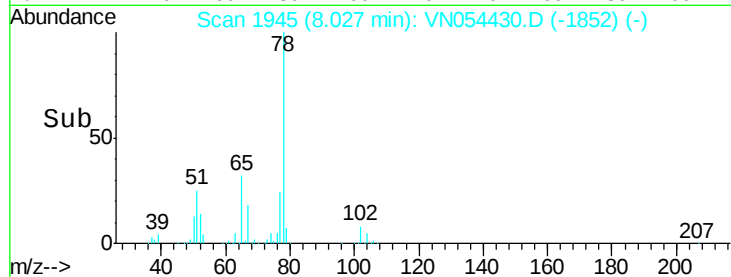
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

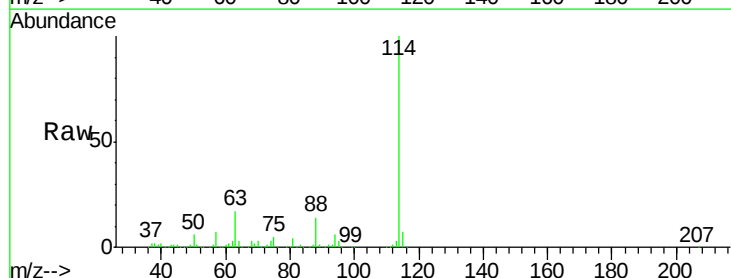
Tgt Ion: 114 Resp: 2042299

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.2

88 14.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054430.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054430.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054430.D (-2026) (-)

8.58

1200000

1000000

800000

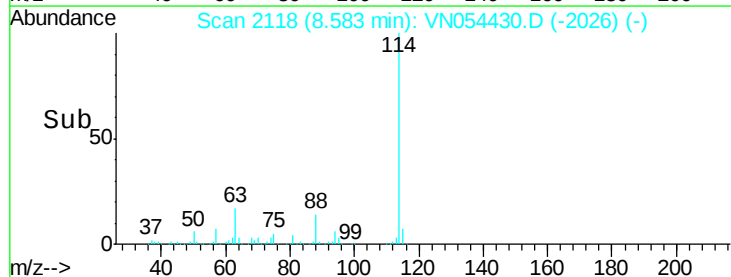
600000

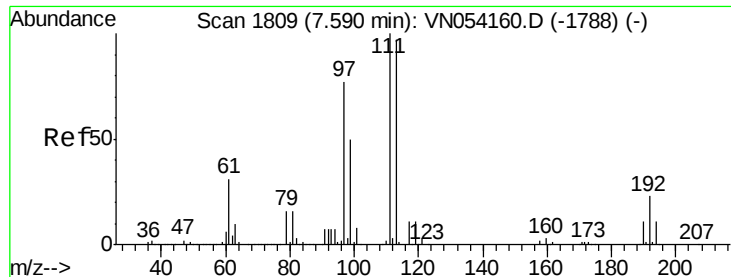
400000

200000

0

Time-->

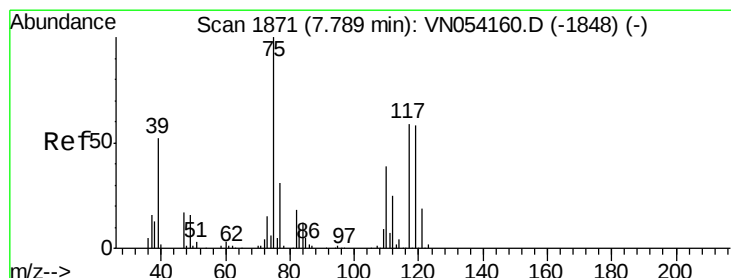
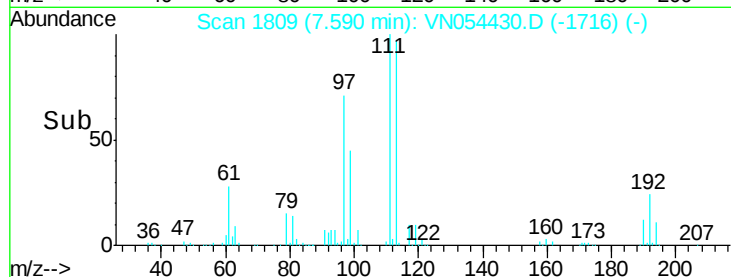
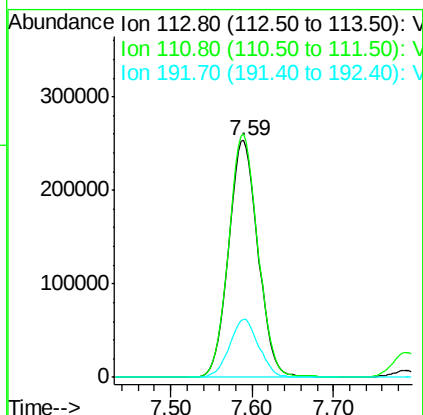
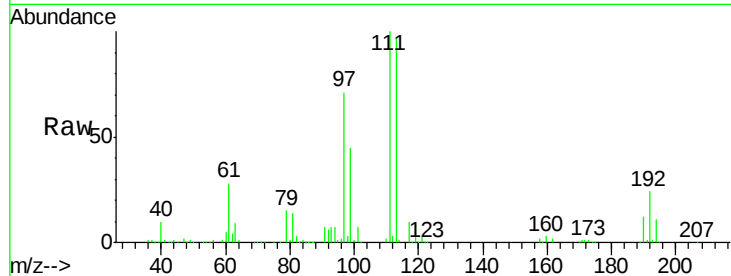




#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

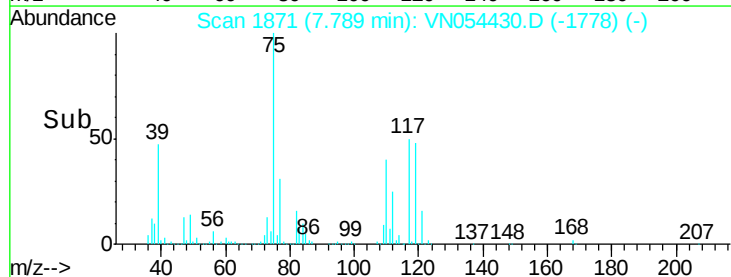
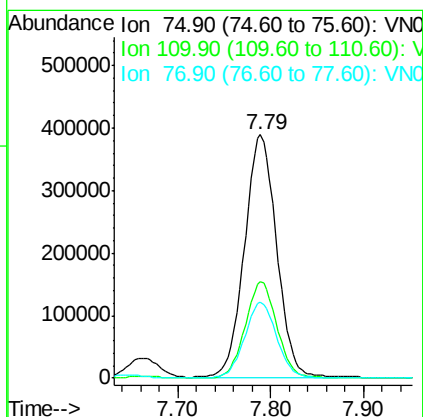
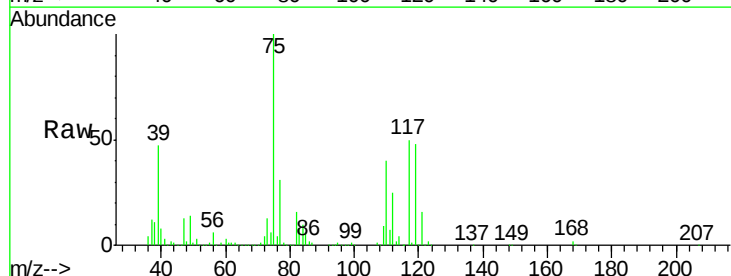
Instrument :
 MSVOA_N
 ClientSampleId :

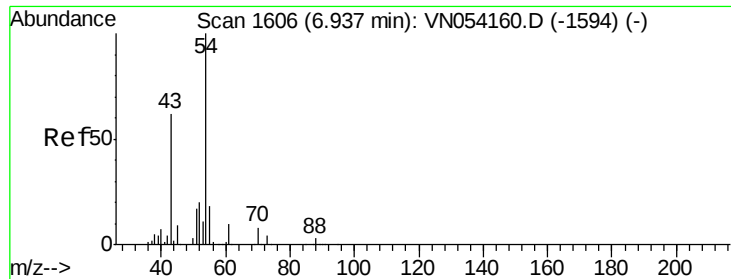
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	24.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 49.552 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	19.1	57.5
77	31.7	25.0	37.4

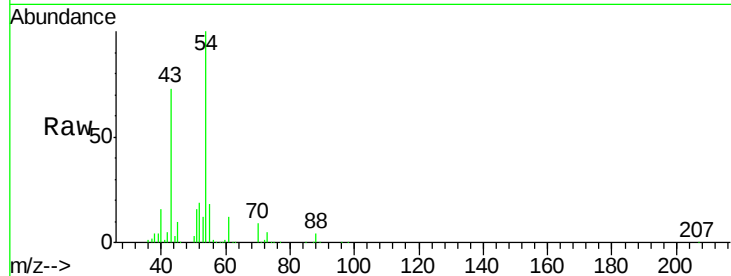




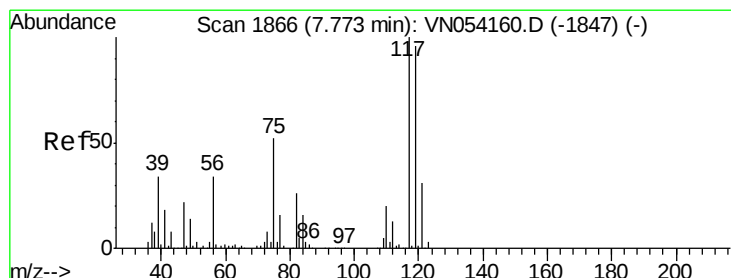
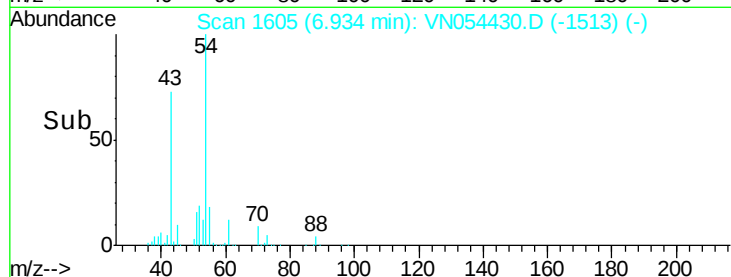
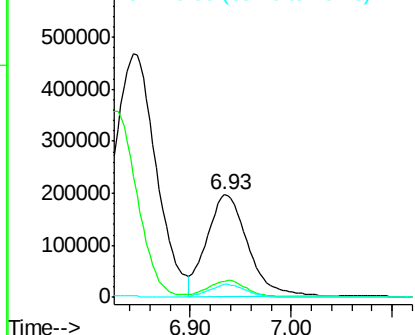
#37
Ethyl Acetate
Concen: 50.975 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 550869
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 11.6 8.4 12.6

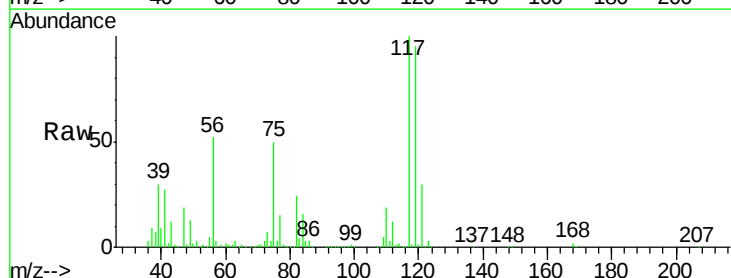


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

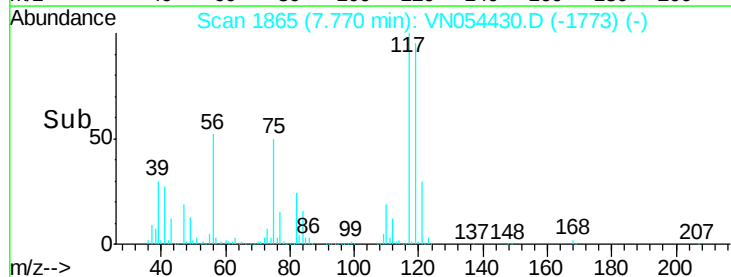
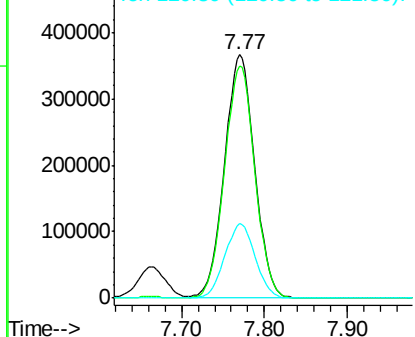


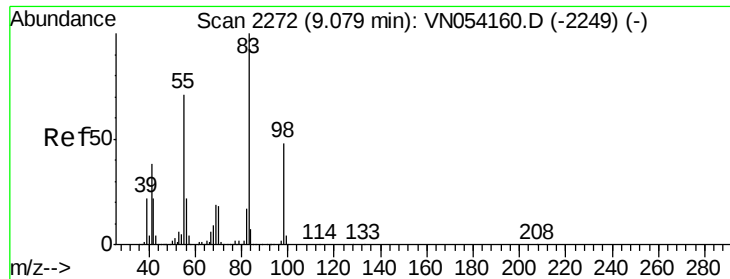
#38
Carbon Tetrachloride
Concen: 47.021 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 117 Resp: 927409
Ion Ratio Lower Upper
117 100
119 95.2 76.3 114.5
121 30.5 24.6 36.8



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

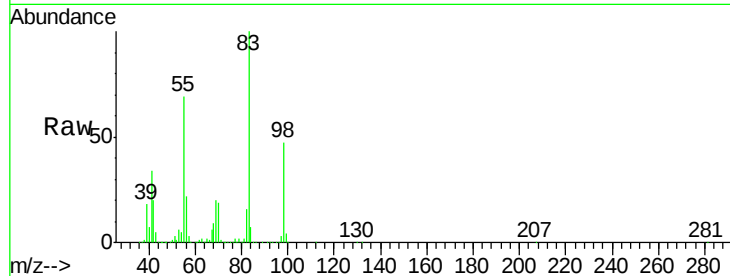




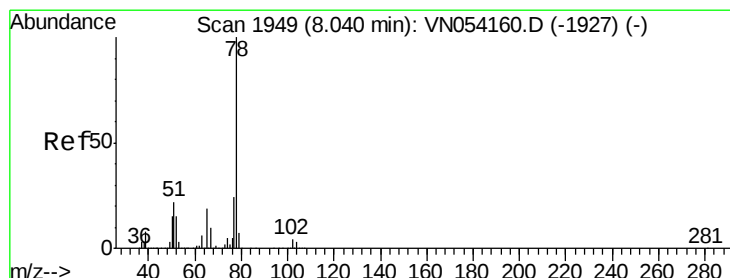
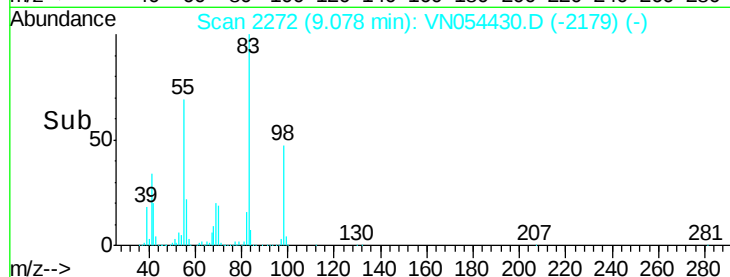
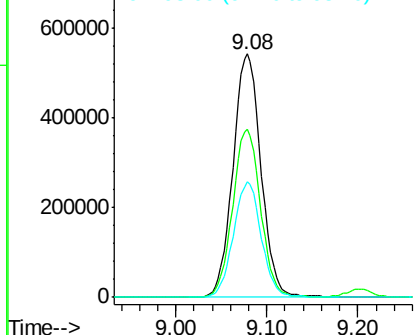
#39
Methylvlcyclohexane
Concen: 50.248 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 1162781
Ion Ratio Lower Upper
83 100
55 69.0 56.6 84.8
98 47.3 38.4 57.6

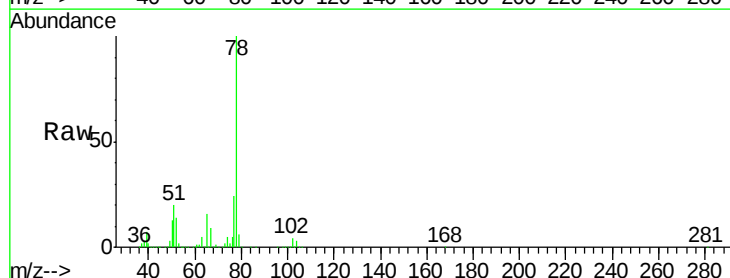


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

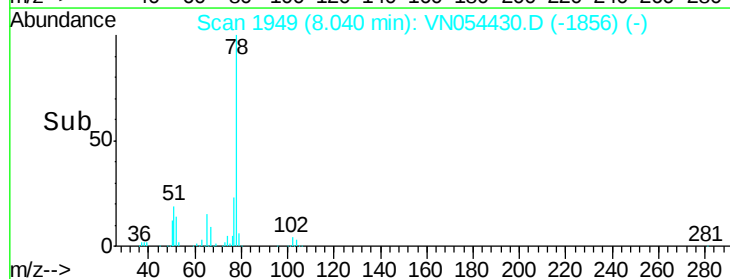
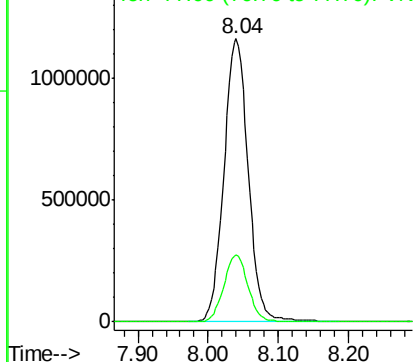


#40
Benzene
Concen: 52.206 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 78 Resp: 2809778
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



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

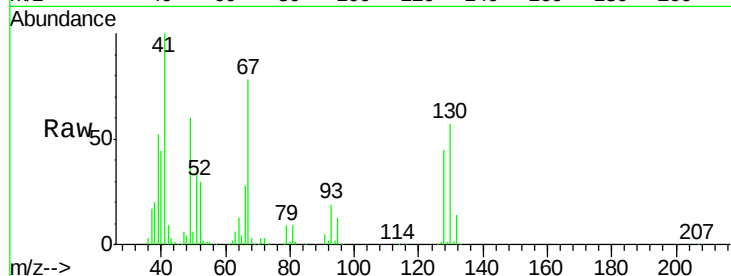




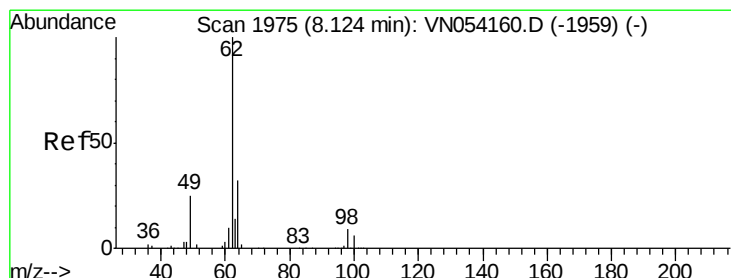
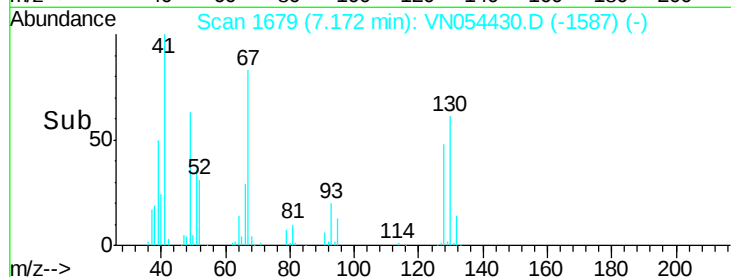
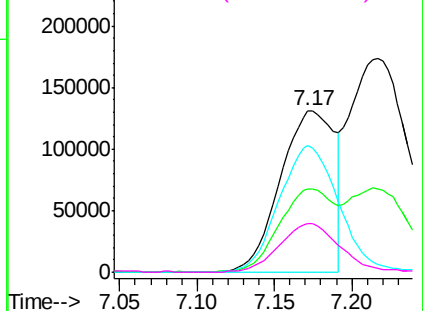
#41
Methacrylonitrile
Concen: 51.699 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 319001
Ion Ratio Lower Upper
41 100
39 51.9 46.8 70.2
67 87.3 67.0 100.4
52 33.3 26.5 39.7

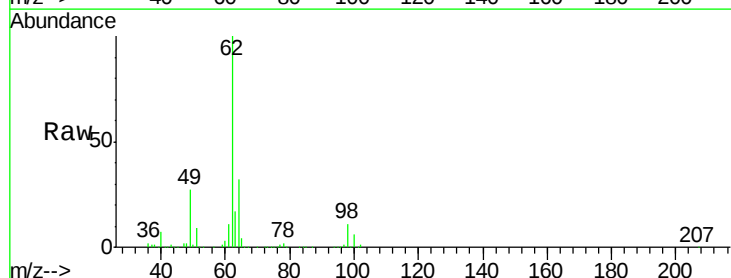


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

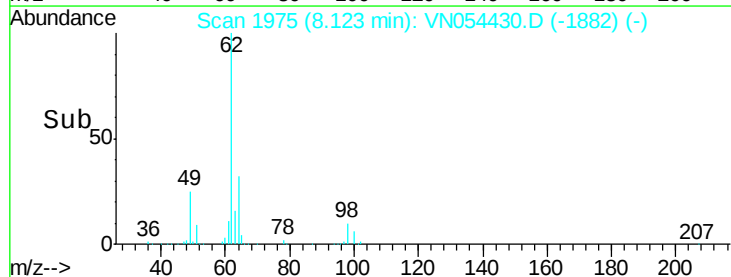
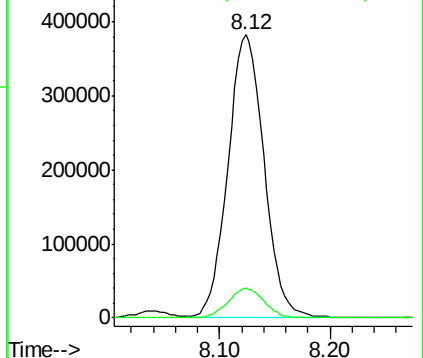


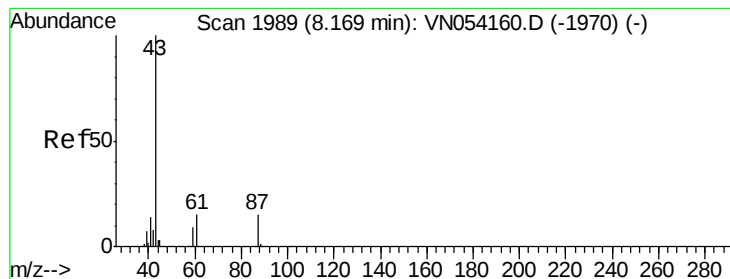
#42
1,2-Dichloroethane
Concen: 47.508 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 62 Resp: 863247
Ion Ratio Lower Upper
62 100
98 10.5 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 49.788 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

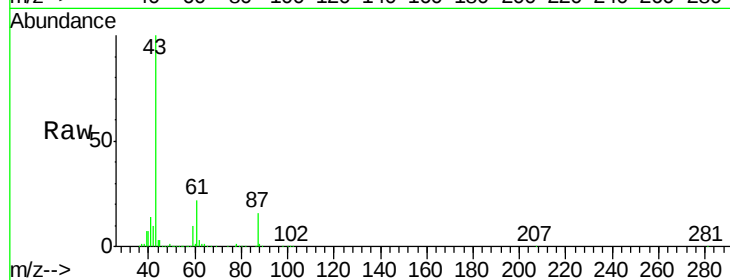
Tot Ion: 43 Resp: 944423

Ion Ratio Lower Upper

43 100

61 22.2 15.8 23.8

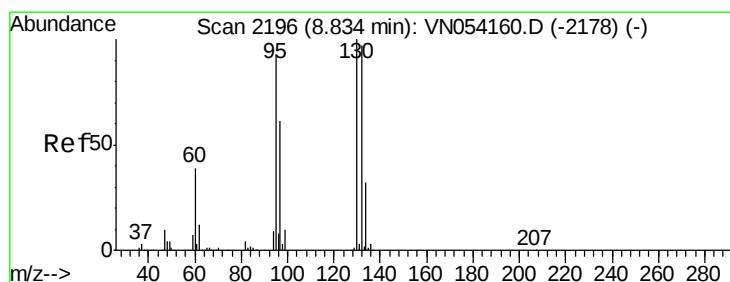
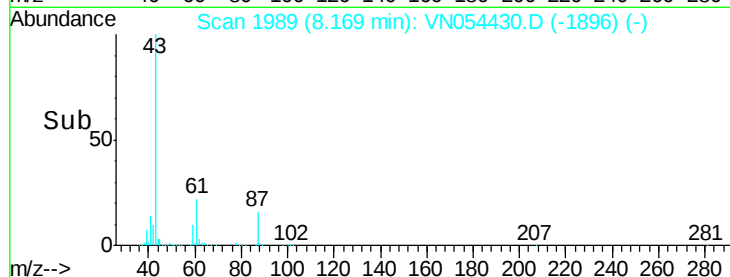
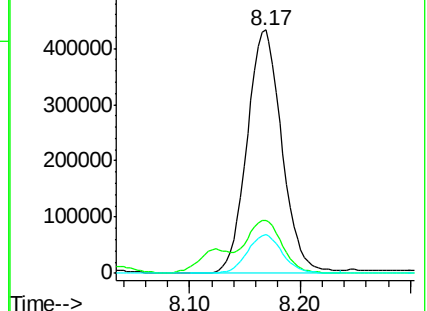
87 15.9 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054430.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054430.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054430.D (-1896) (-)



#44

Trichloroethene

Concen: 50.896 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054430.D

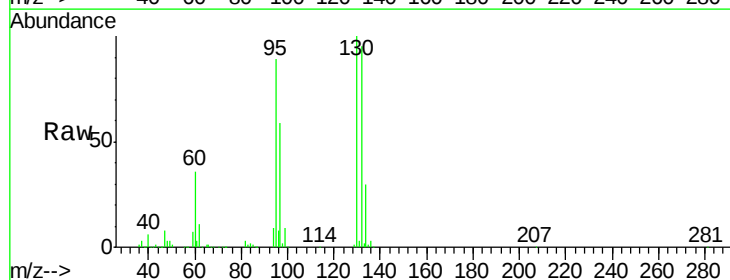
Acq: 19 Mar 2019 10:17

Tgt Ion: 130 Resp: 850945

Ion Ratio Lower Upper

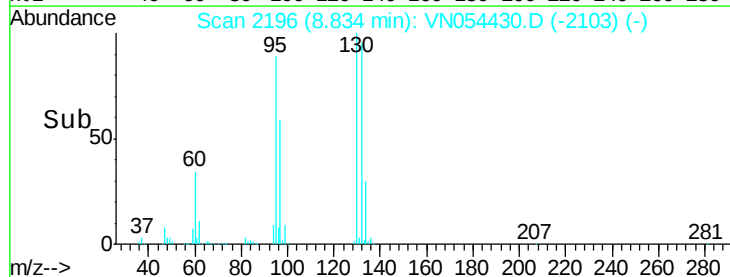
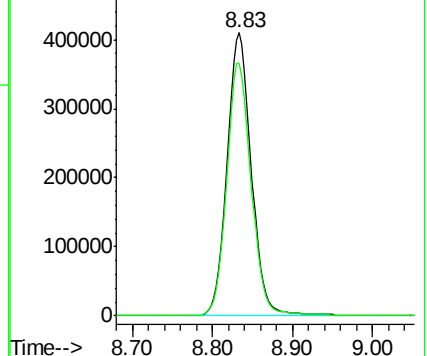
130 100

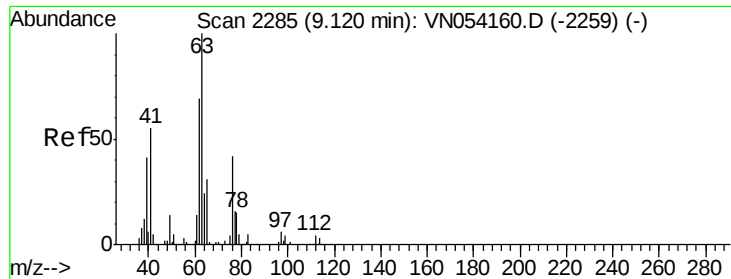
95 89.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054430.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054430.D (-2103) (-)

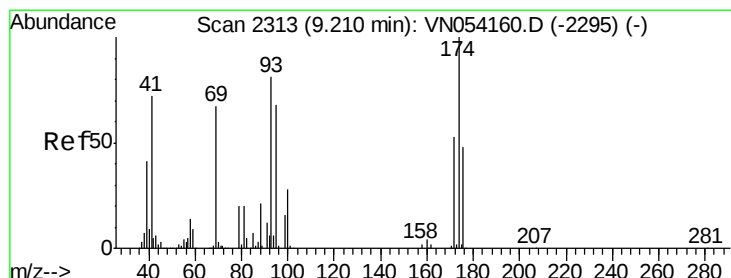
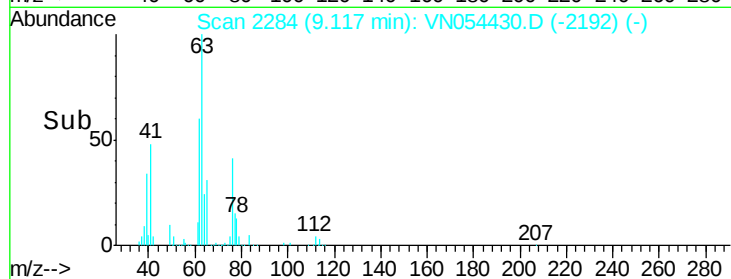
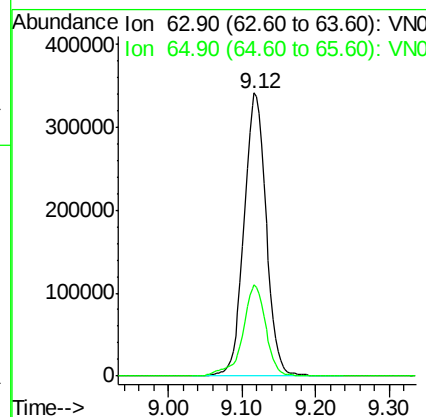
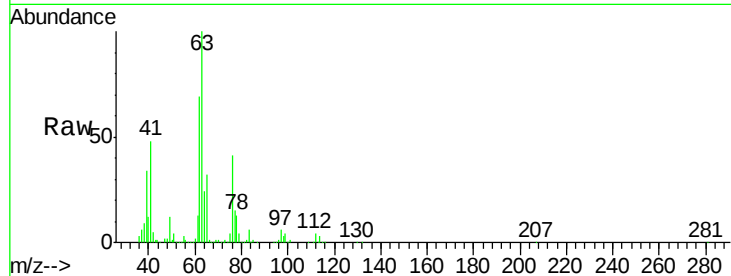




#45
 1,2-Dichloropropane
 Concen: 53.553 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

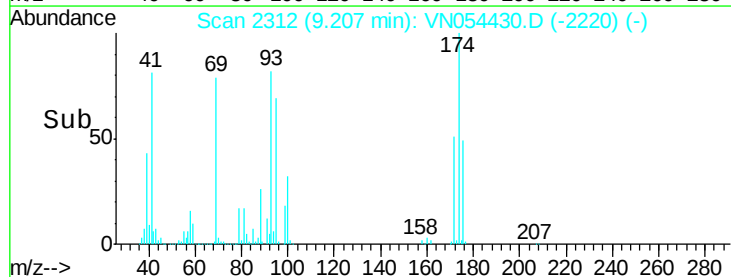
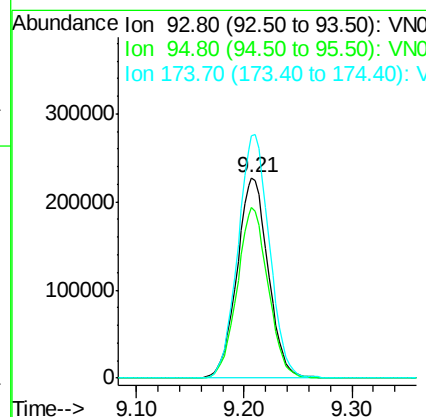
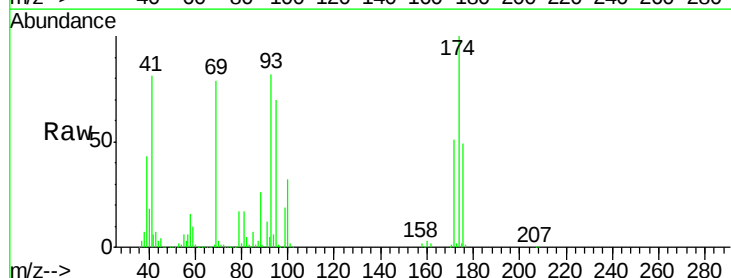
Instrument :
 MSVOA_N
 ClientSampleId :

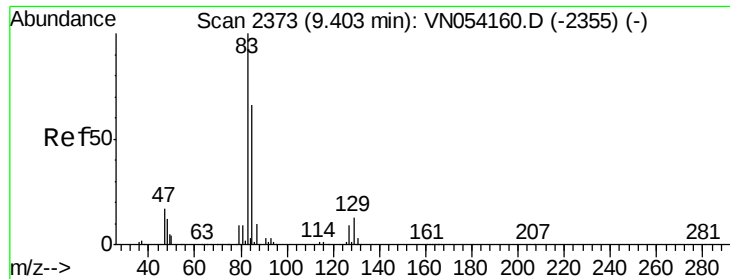
Tot Ion: 63 Resp: 715686
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6



#46
 Dibromomethane
 Concen: 50.787 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 93 Resp: 458589
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 122.7 98.5 147.7





#47

Bromodichloromethane

Concen: 50.146 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

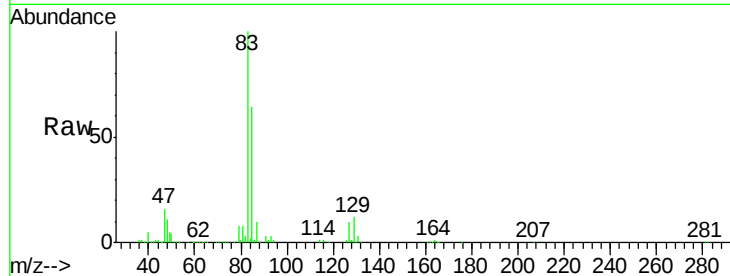
Tot Ion: 83 Resp: 907739

Ion Ratio Lower Upper

83 100

85 63.7 52.8 79.2

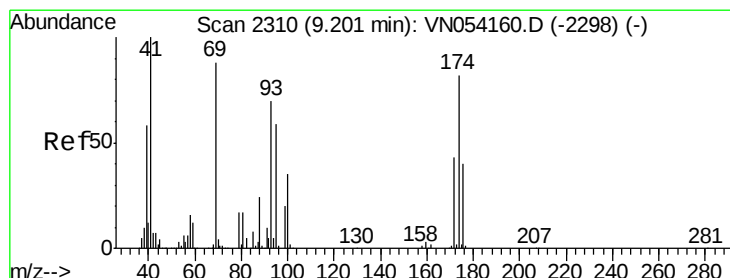
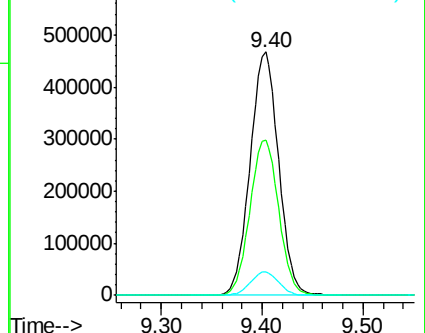
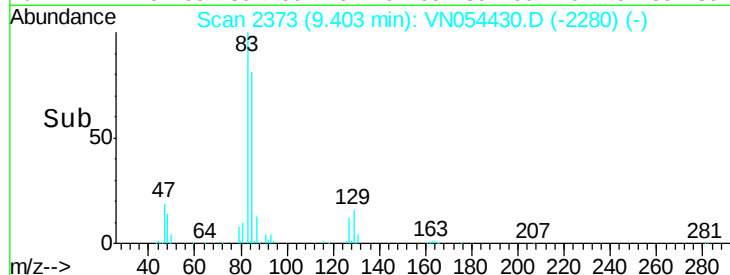
127 9.5 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054430.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054430.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054430.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.033 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

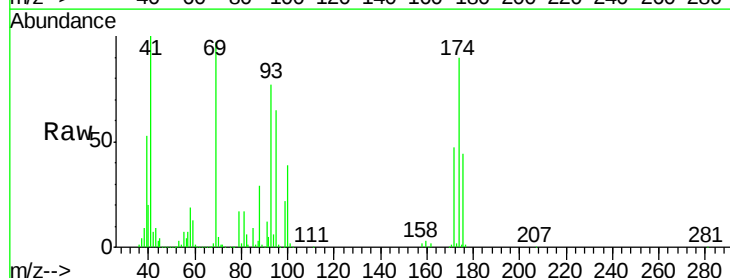
Tgt Ion: 41 Resp: 491264

Ion Ratio Lower Upper

41 100

69 100.2 72.6 108.8

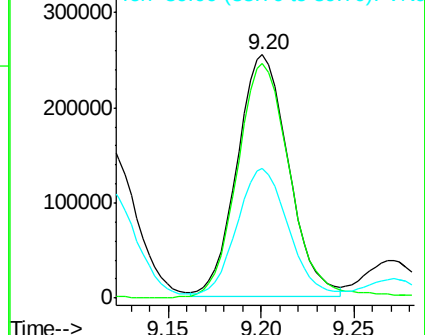
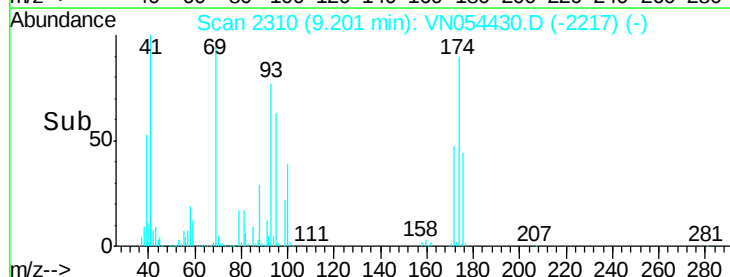
39 54.2 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054430.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054430.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054430.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1126.386 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :

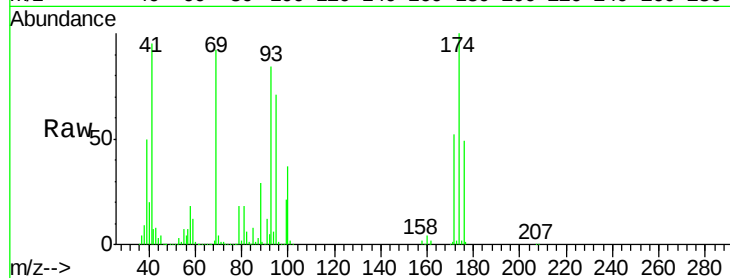
Tot Ion: 88 Resp: 153373

Ion Ratio Lower Upper

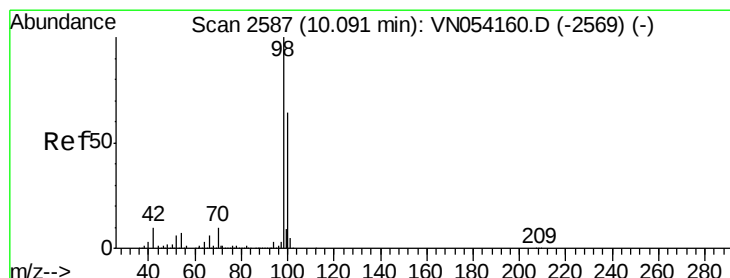
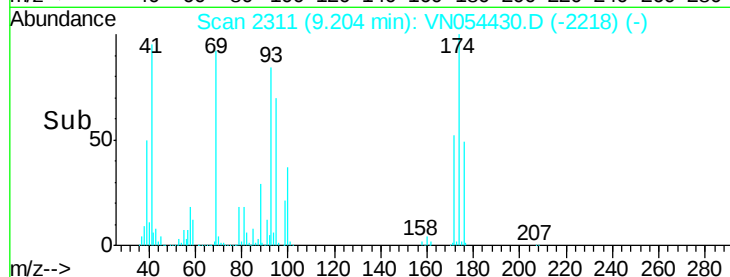
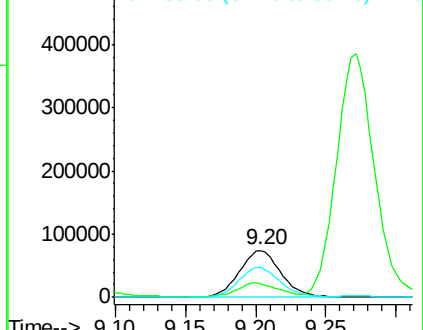
88 100

43 27.8 24.1 36.1

58 64.2 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: 48.327 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054430.D

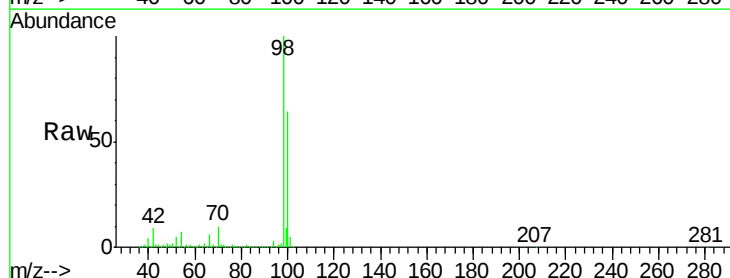
Acq: 19 Mar 2019 10:17

Tgt Ion: 98 Resp: 2350919

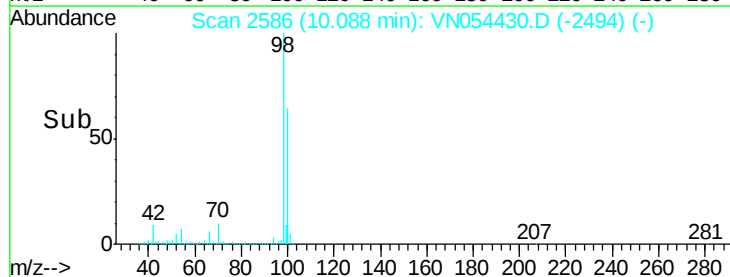
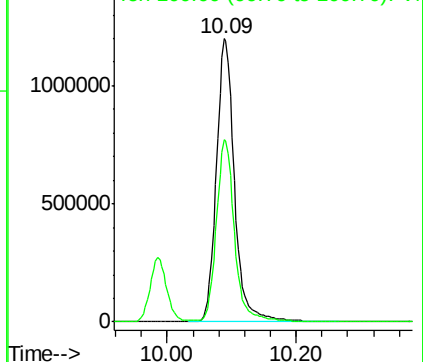
Ion Ratio Lower Upper

98 100

100 64.7 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: 267.494 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

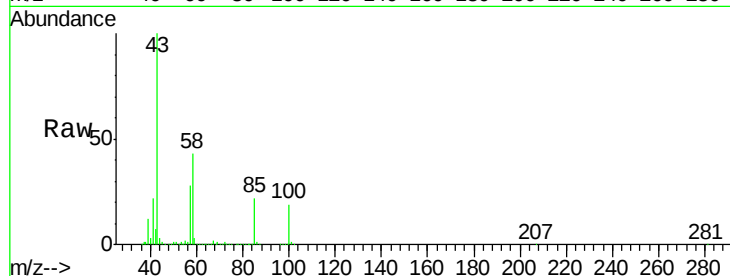
ClientSampled :

Tot Ion: 43 Resp: 2685220

Ion Ratio Lower Upper

43 100

58 42.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054430.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN054430.D (-2461) (-)

9.99

1500000

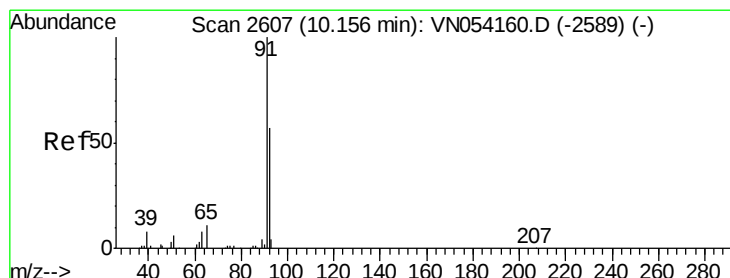
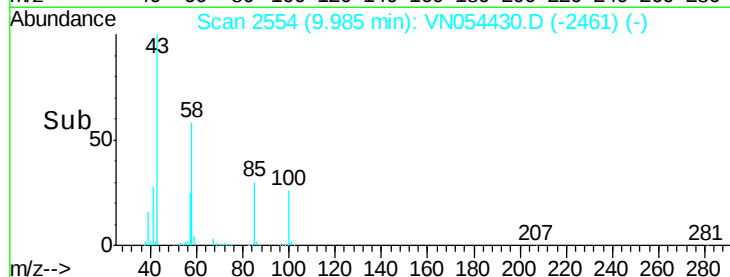
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.106 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054430.D

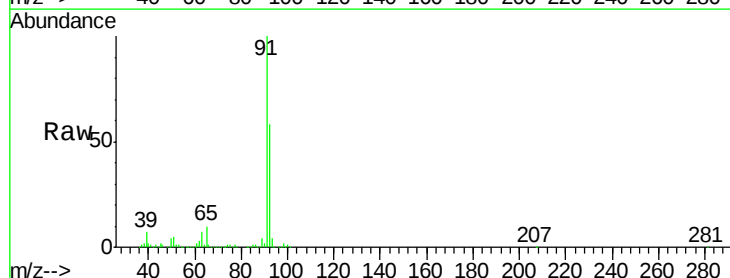
Acq: 19 Mar 2019 10:17

Tgt Ion: 92 Resp: 1778165

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054430.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054430.D (-2514) (-)

10.15

1500000

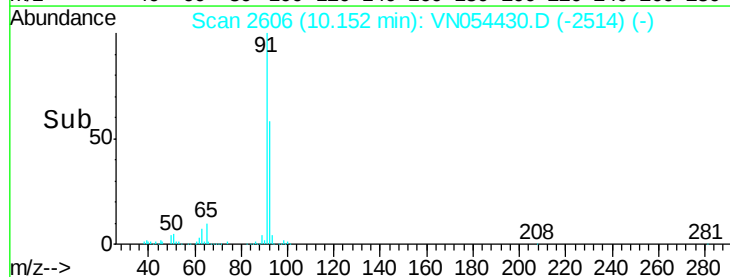
1000000

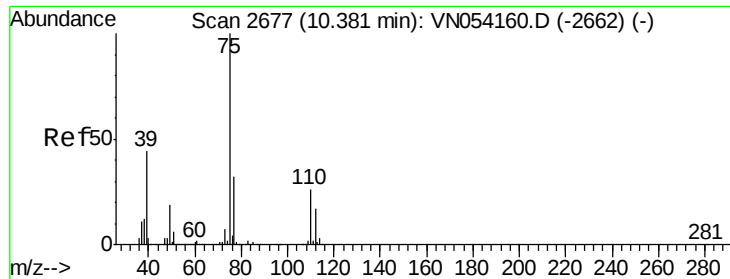
500000

0

10.00 10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 42.708 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

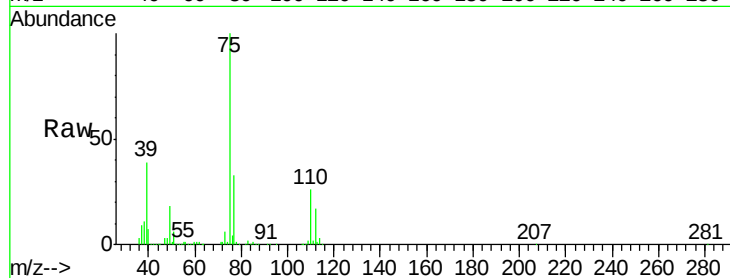
ClientSampled :

Tot Ion: 75 Resp: 878002

Ion Ratio Lower Upper

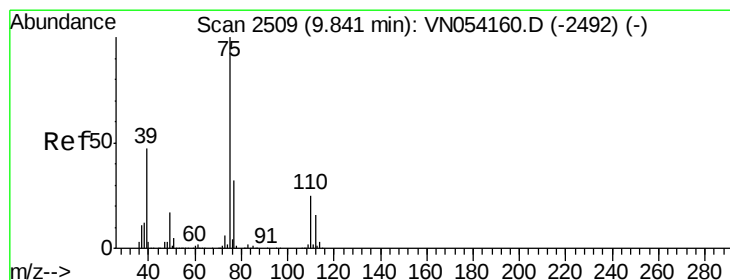
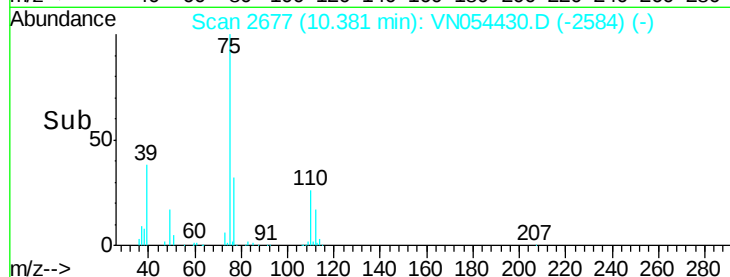
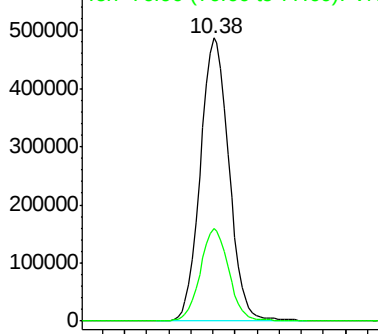
75 100

77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.264 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

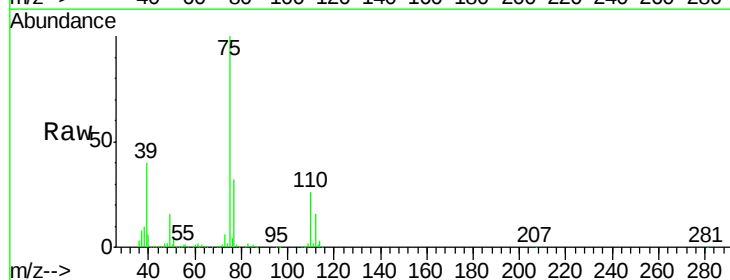
Tgt Ion: 75 Resp: 1060282

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

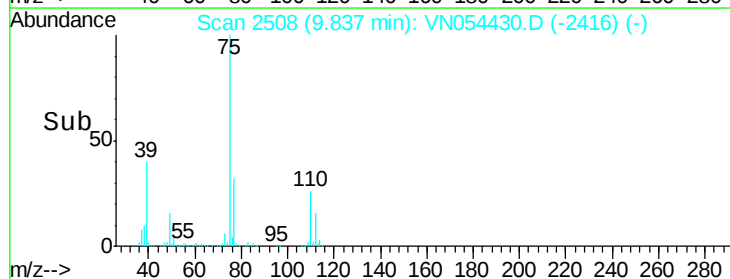
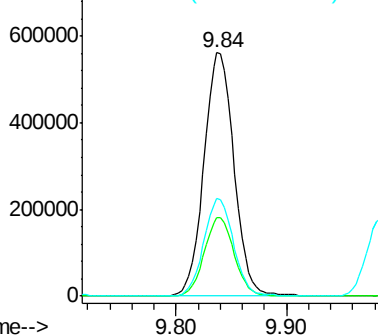
39 39.9 37.2 55.8

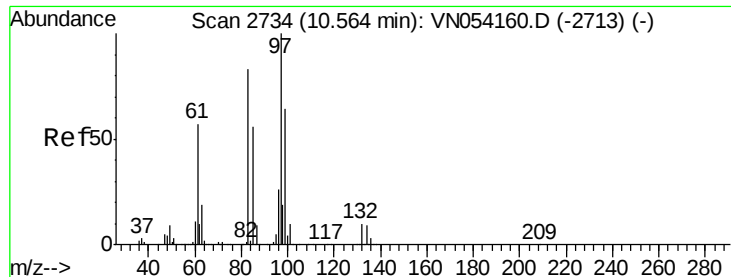


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.177 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 662621

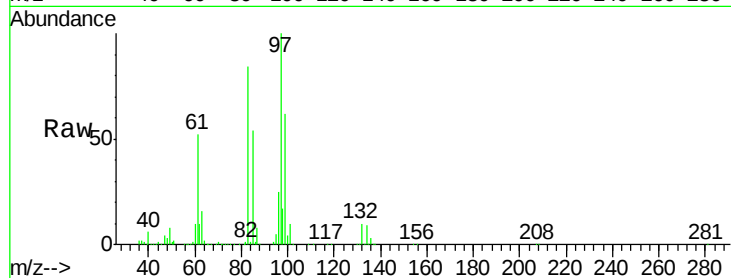
Ion Ratio Lower Upper

97 100

83 83.5 66.6 100.0

85 53.7 44.4 66.6

99 61.4 50.8 76.2

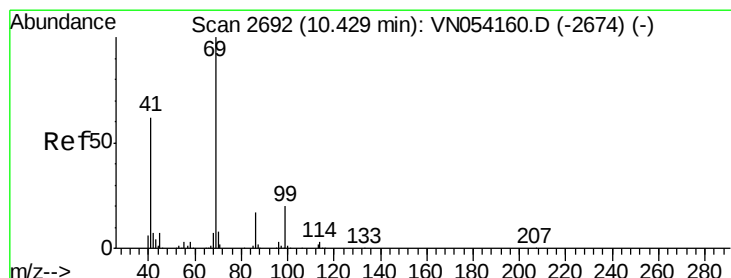
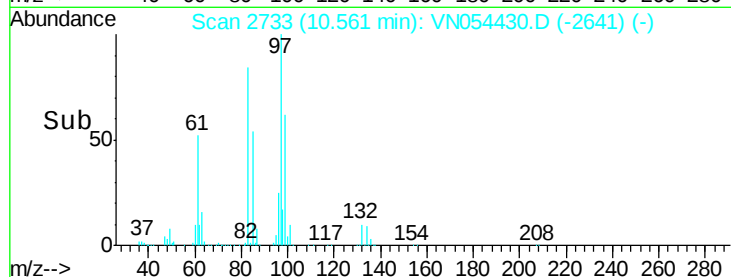
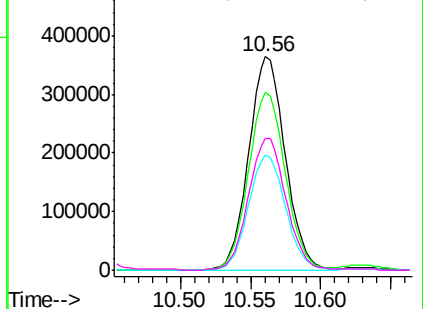


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 54.859 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

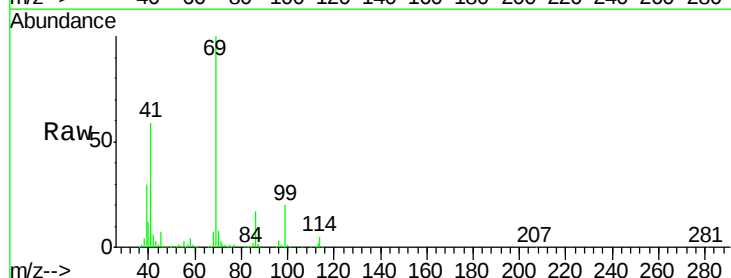
Tgt Ion: 69 Resp: 815078

Ion Ratio Lower Upper

69 100

41 56.7 49.4 74.2

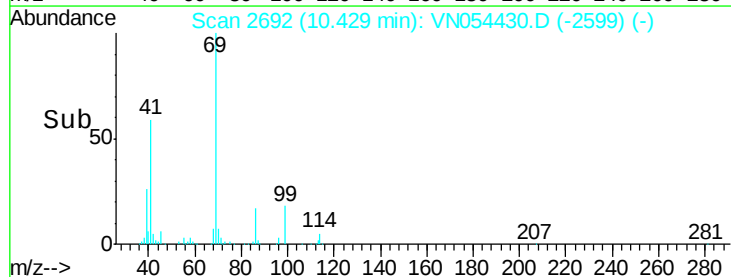
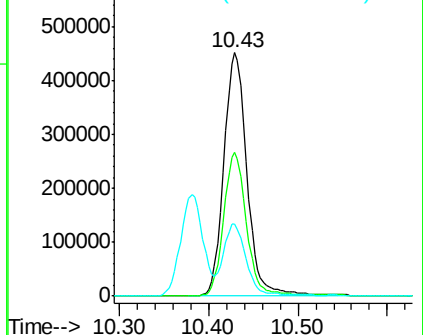
39 28.3 28.3 42.5#

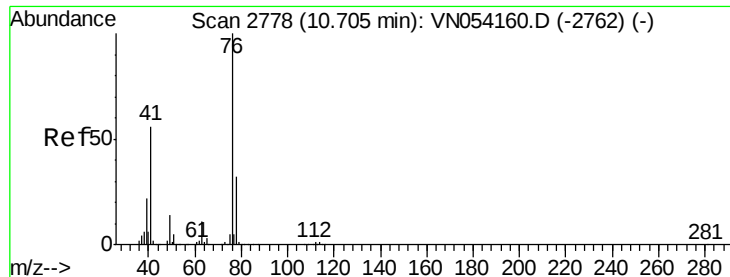


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.050 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

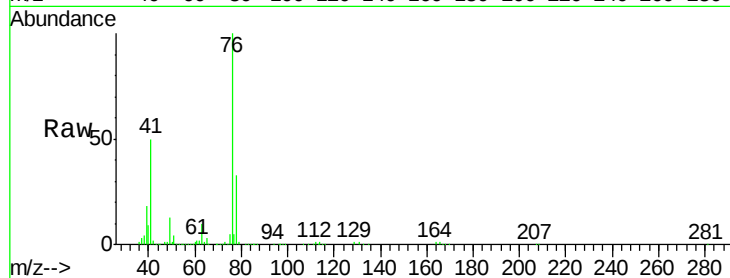
ClientSampleId :

Tot Ion: 76 Resp: 1080886

Ion Ratio Lower Upper

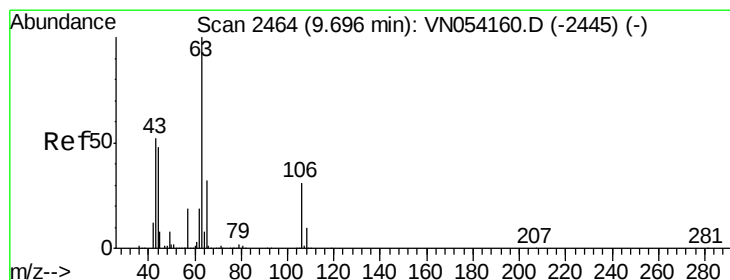
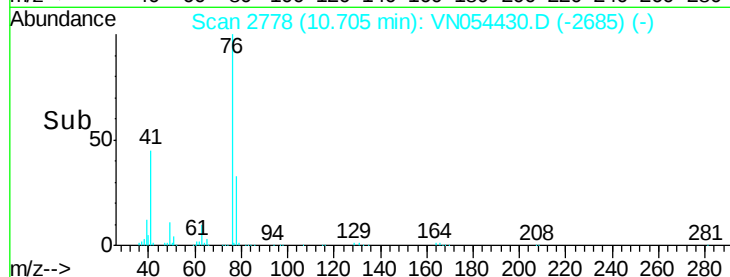
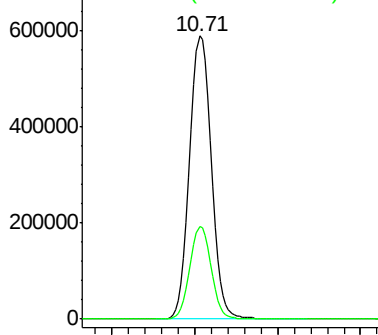
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.914 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054430.D

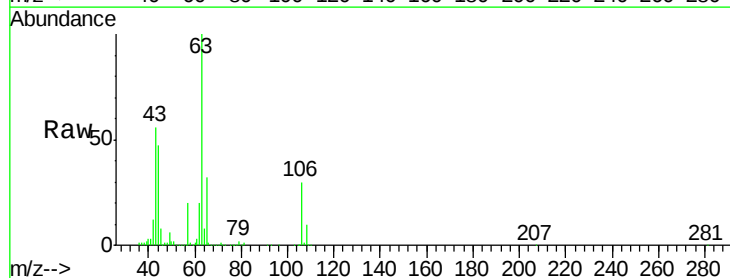
Acq: 19 Mar 2019 10:17

Tgt Ion: 63 Resp: 1576327

Ion Ratio Lower Upper

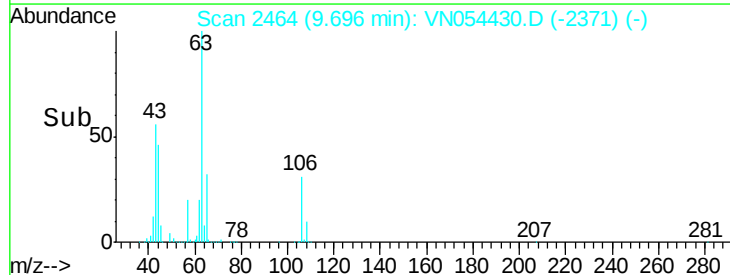
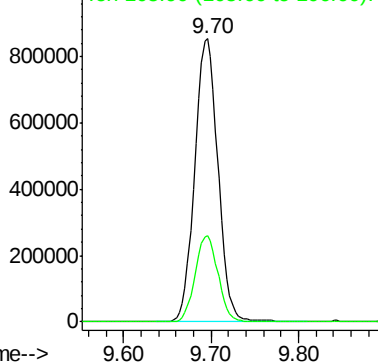
63 100

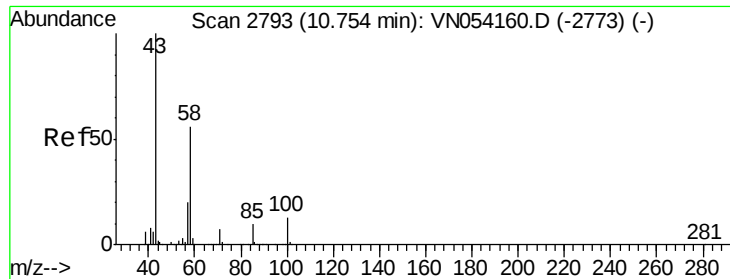
106 30.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

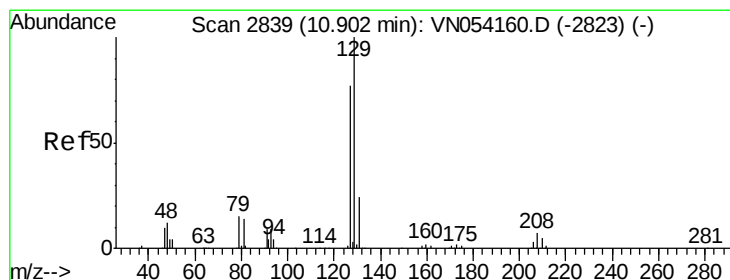
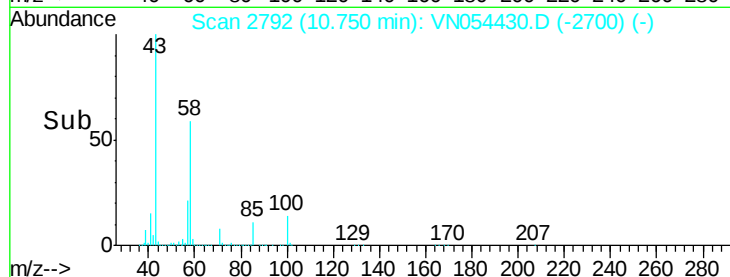
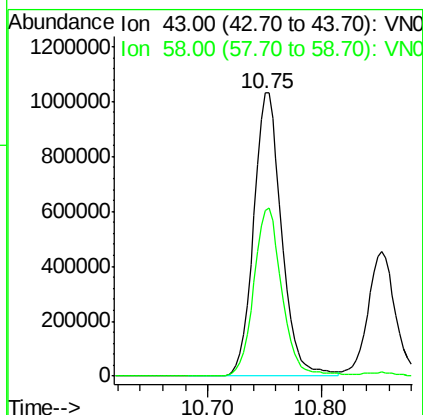
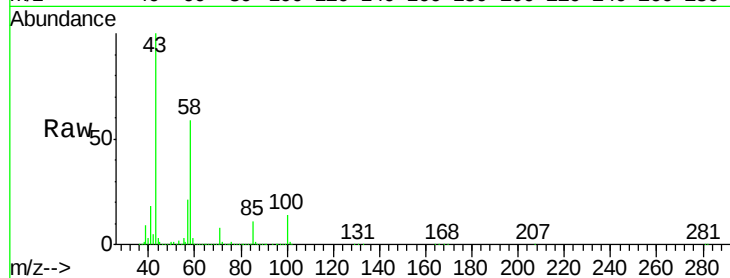




#59
2-Hexanone
Concen: 264.514 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

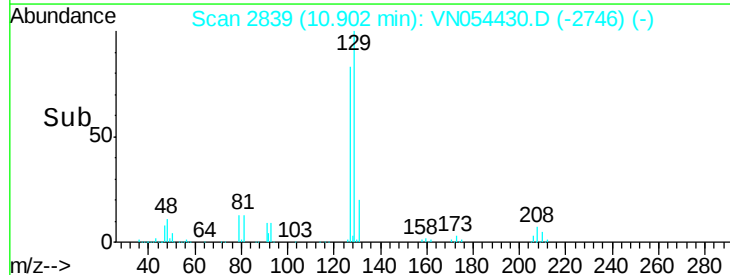
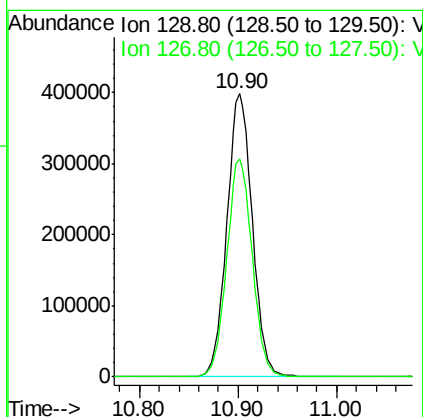
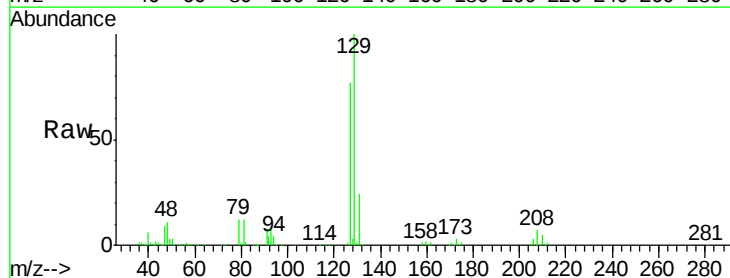
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1766829
Ion Ratio Lower Upper
43 100
58 59.8 28.0 83.9



#60
Dibromochloromethane
Concen: 51.285 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 129 Resp: 719280
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

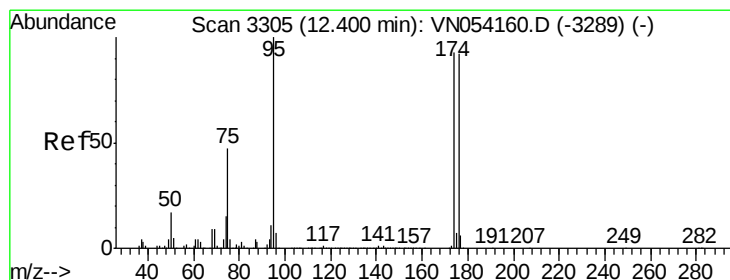
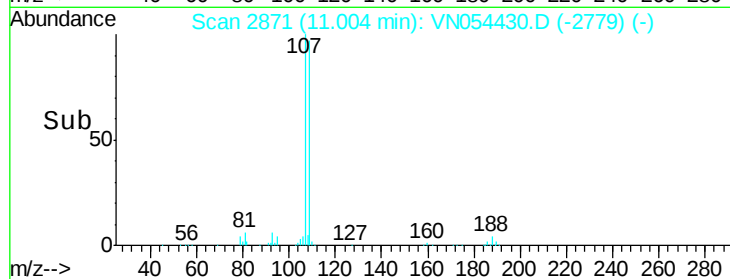
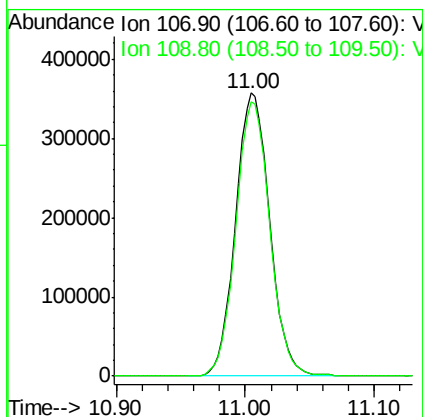
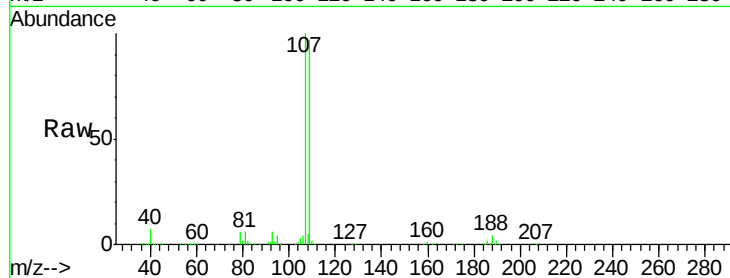




#61
 1,2-Dibromoethane
 Concen: 51.957 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

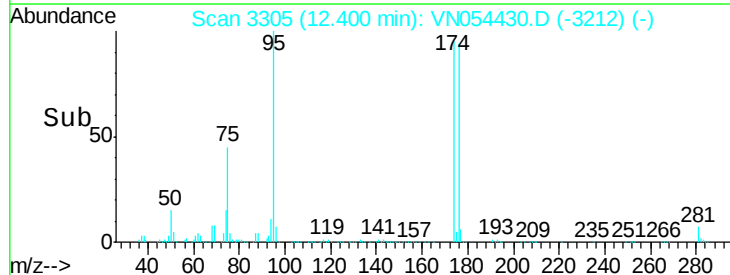
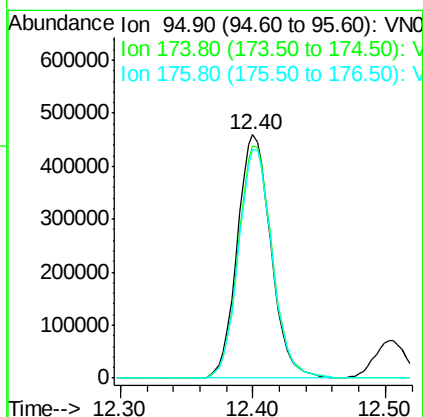
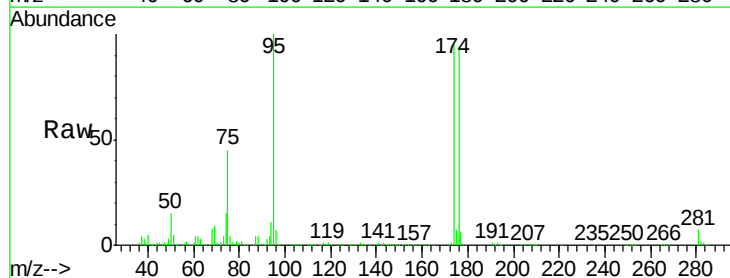
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 657919
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.557 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 95 Resp: 809475
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 94.2 0.0 187.4

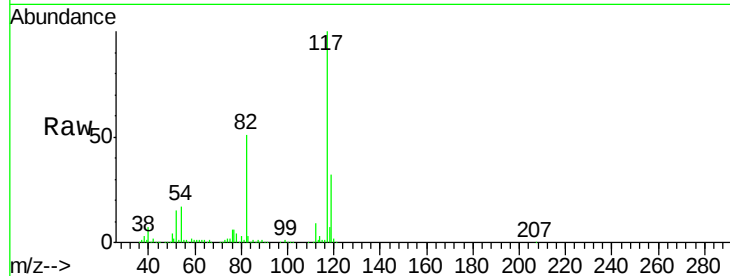




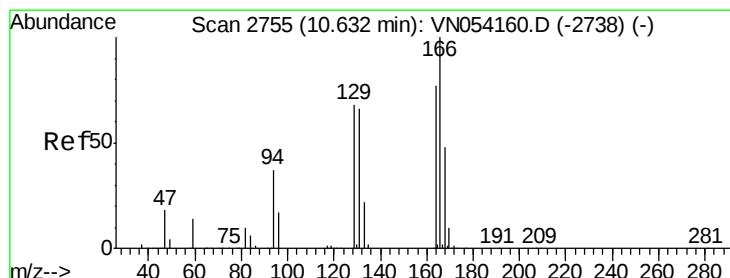
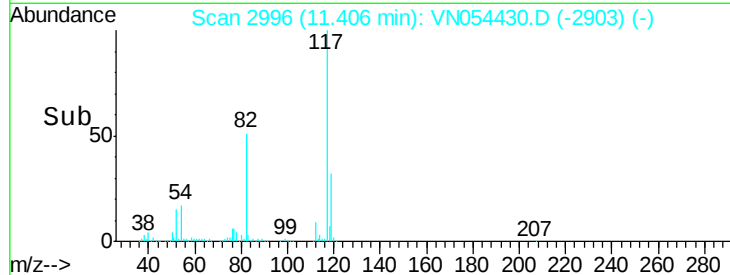
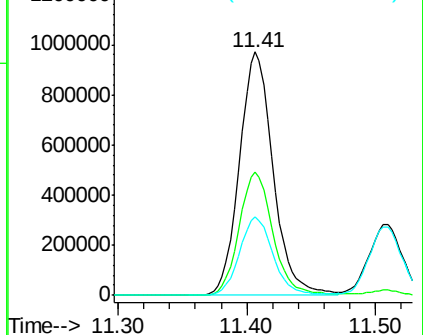
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1770591
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.0 25.8 38.6

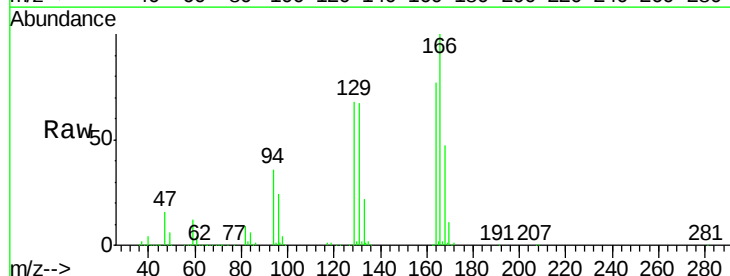


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

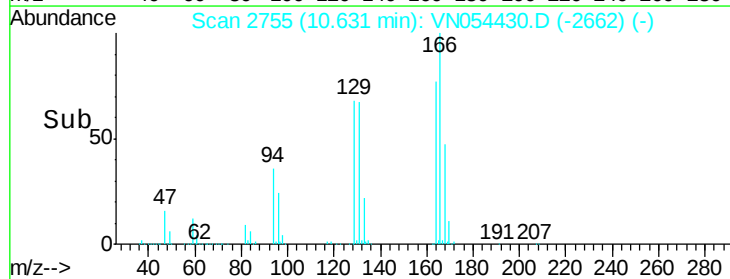
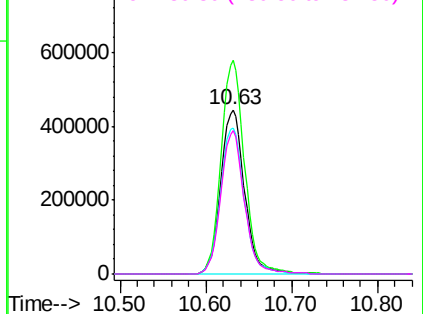


#64
Tetrachloroethene
Concen: 50.062 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:164 Resp: 857010
Ion Ratio Lower Upper
164 100
166 129.9 103.9 155.9
129 88.7 71.1 106.7
131 87.4 68.2 102.4



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

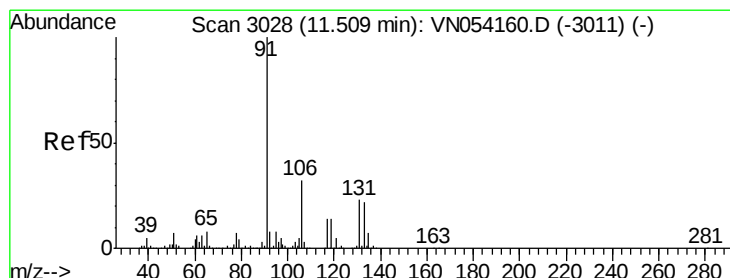
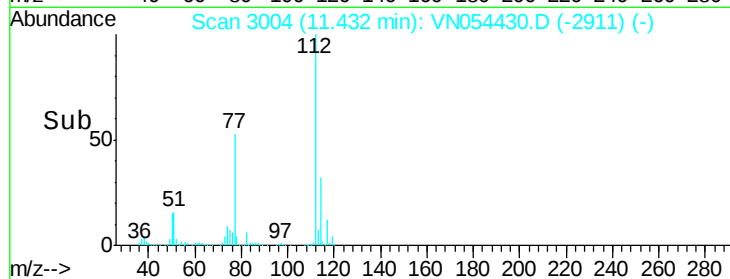
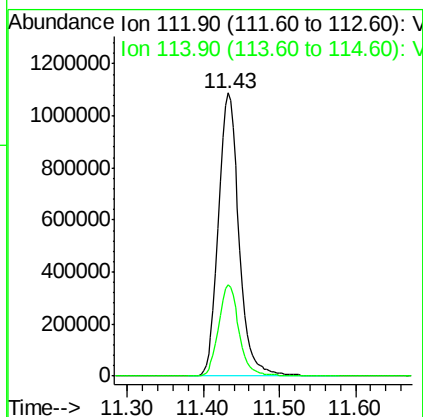
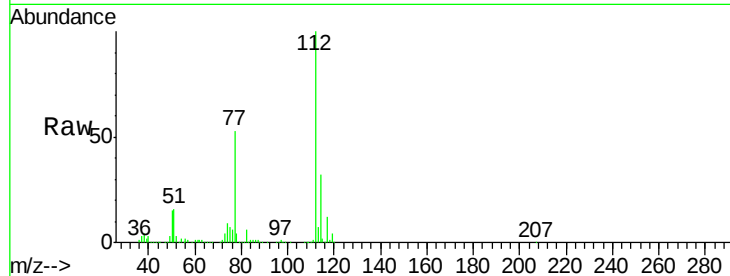




#65
Chlorobenzene
Concen: 52.583 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

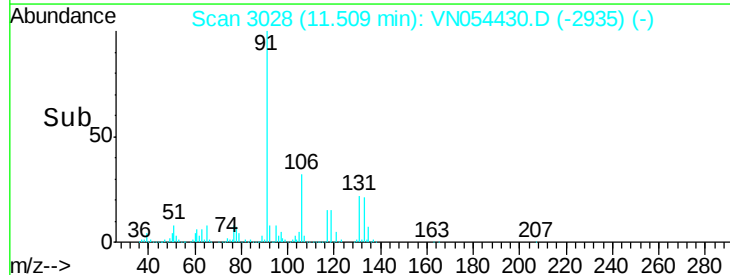
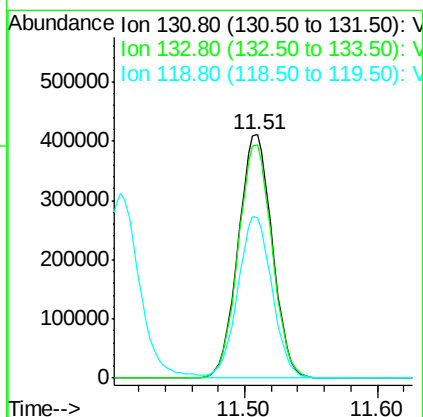
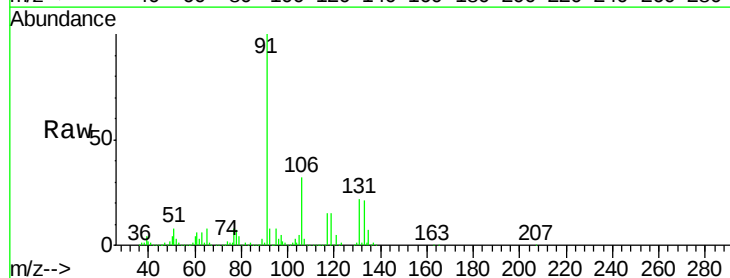
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 2044295
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.699 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:131 Resp: 730150
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.7 32.4 97.0

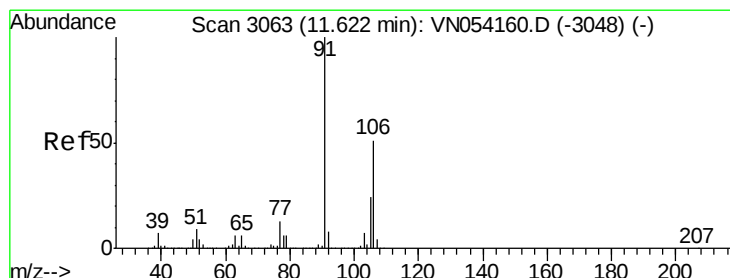
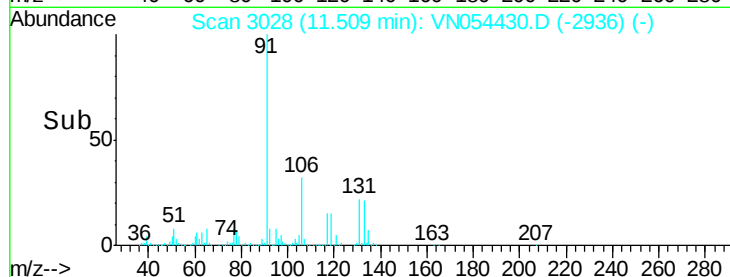
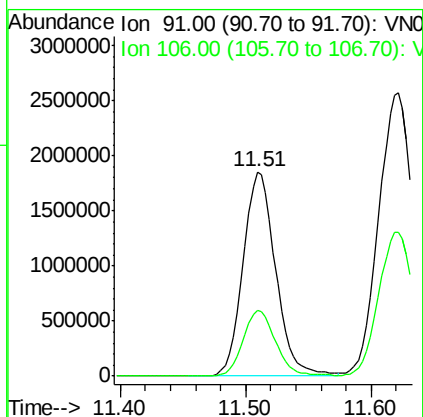
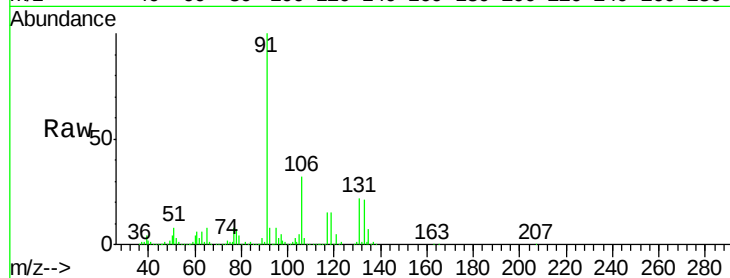




#67
Ethyl Benzene
Concen: 51.915 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

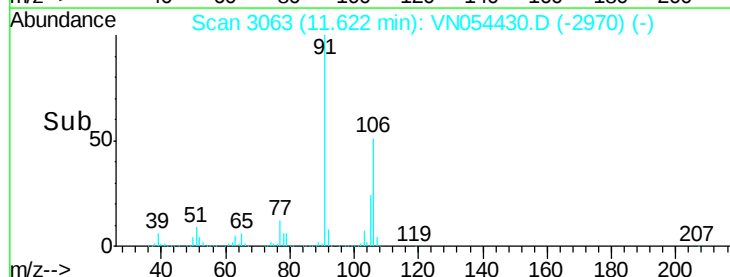
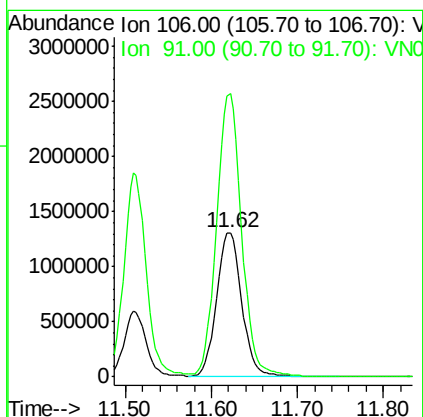
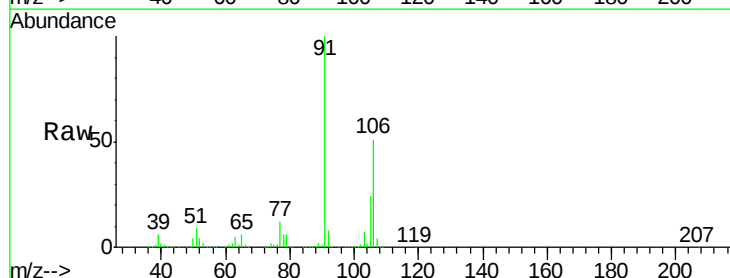
Instrument :
MSVOA_N
ClientSampled :

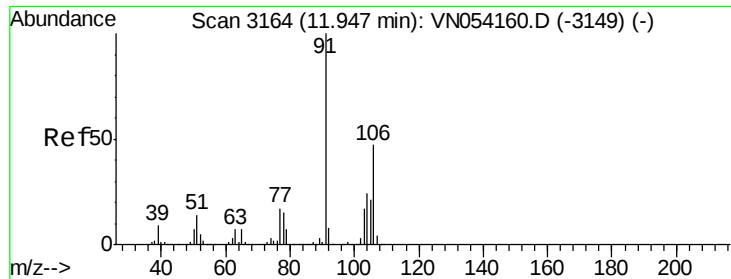
Tot Ion: 91 Resp: 3345725
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 106.043 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 106 Resp: 2671067
Ion Ratio Lower Upper
106 100
91 195.3 159.4 239.2

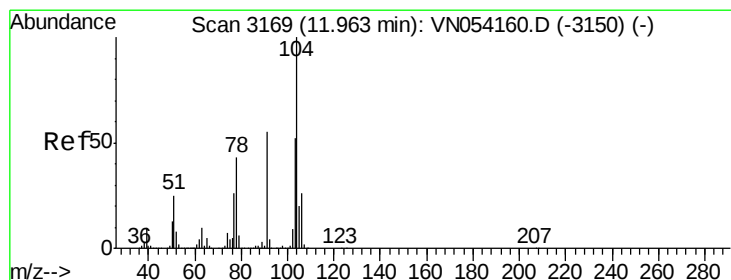
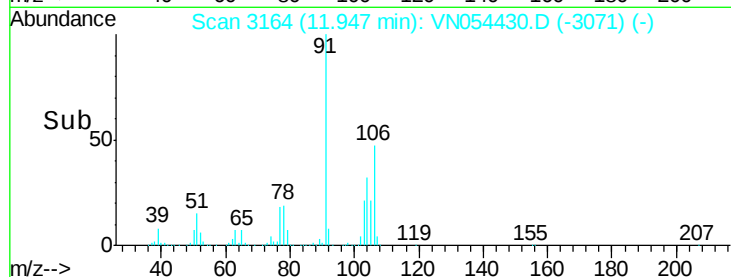
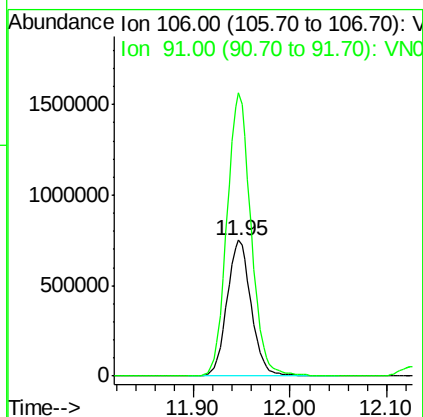
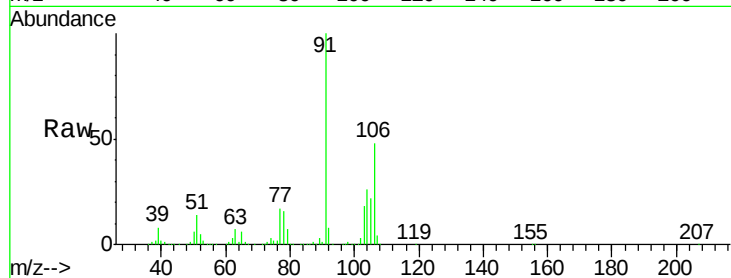




#69
o-Xylene
Concen: 53.049 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

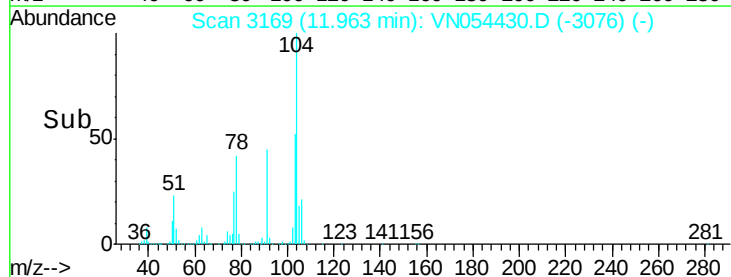
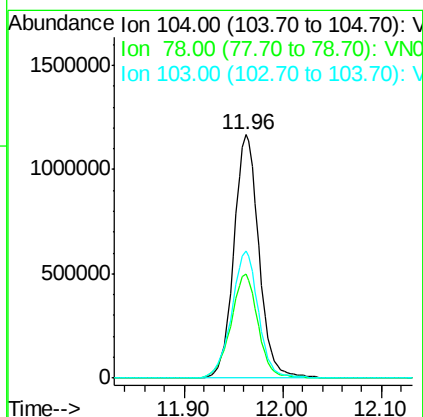
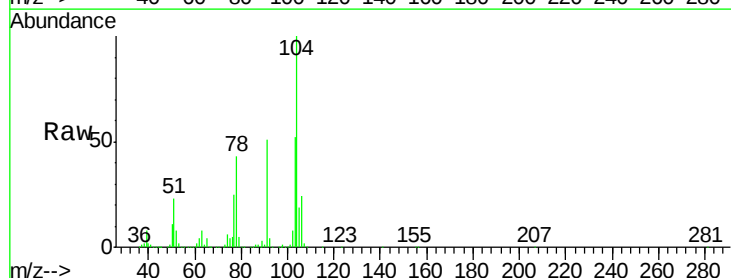
Instrument :
MSVOA_N
ClientSampleId :

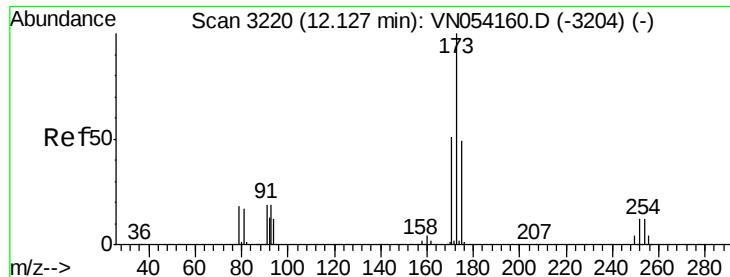
Tot Ion:106 Resp: 1302584
Ion Ratio Lower Upper
106 100
91 207.3 105.7 317.1



#70
Styrene
Concen: 53.508 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:104 Resp: 2060573
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 44.335 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

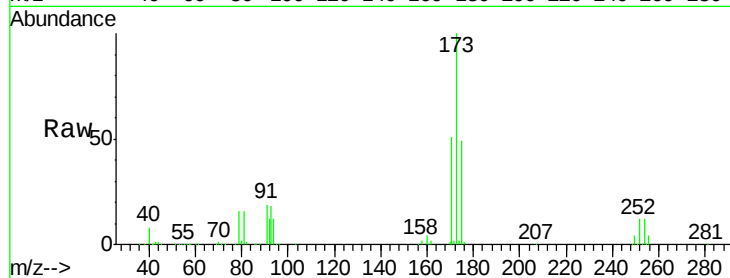
Tot Ion:173 Resp: 474295

Ion Ratio Lower Upper

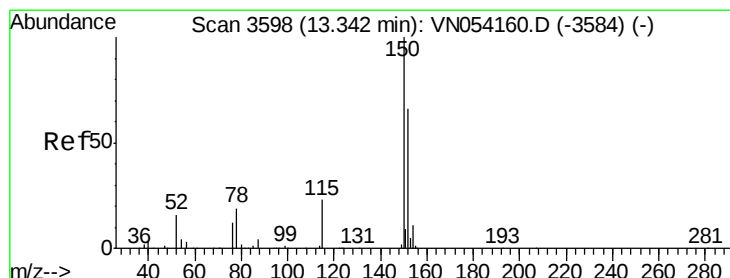
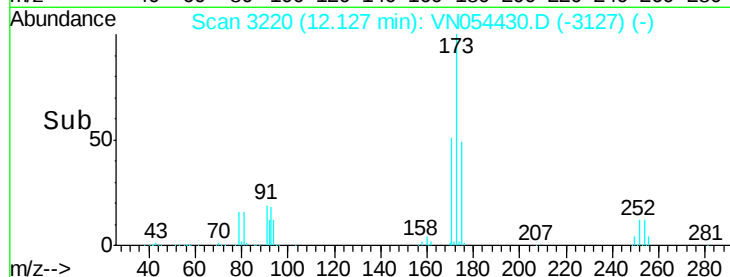
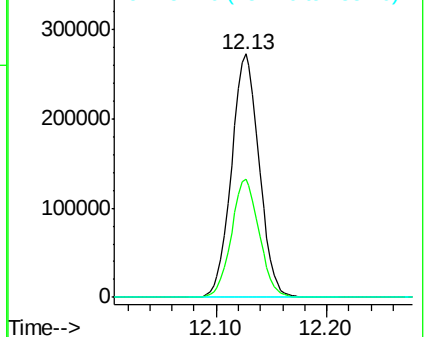
173 100

175 48.7 24.4 73.2

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

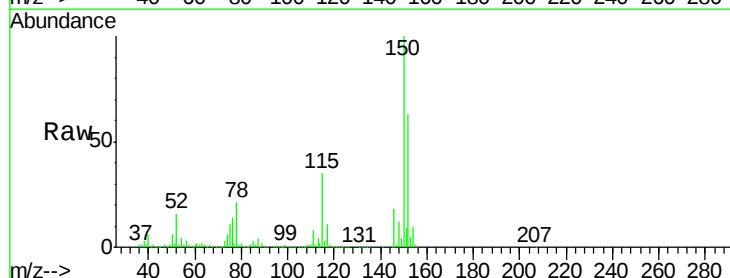
Tgt Ion:152 Resp: 836233

Ion Ratio Lower Upper

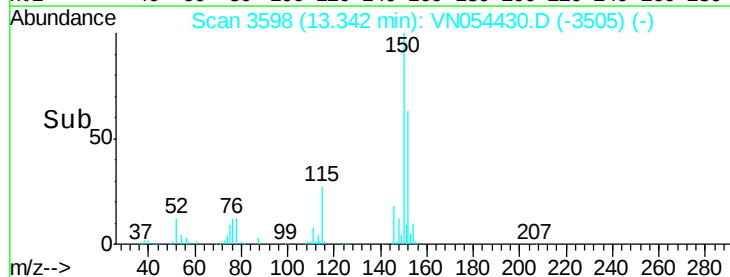
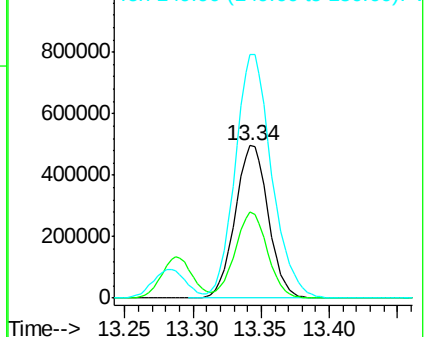
152 100

115 55.1 27.2 81.6

150 176.0 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: 51.095 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

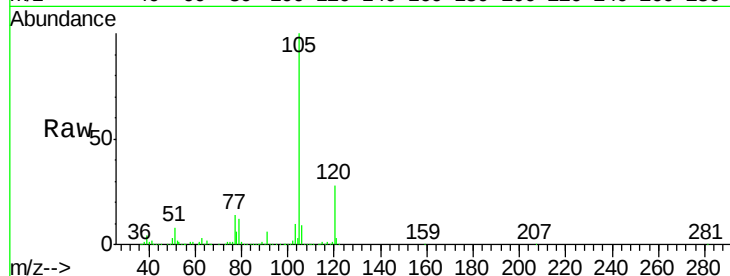
ClientSampled :

Tot Ion:105 Resp: 3418456

Ion Ratio Lower Upper

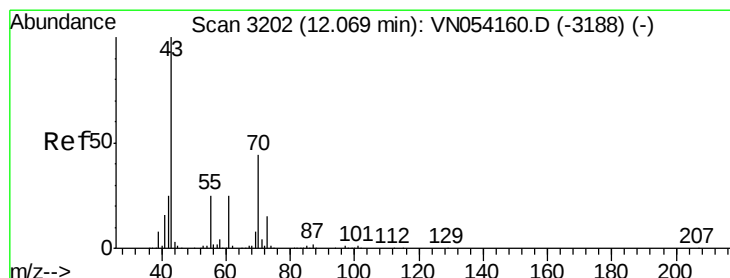
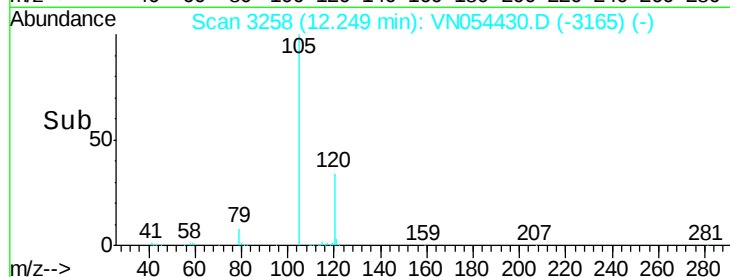
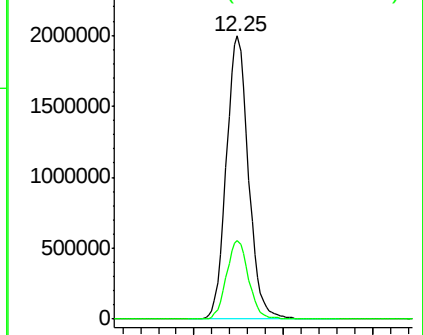
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.271 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion: 43 Resp: 776254

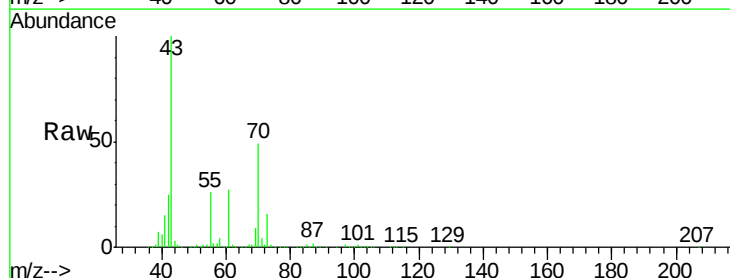
Ion Ratio Lower Upper

43 100

70 48.7 35.4 53.0

55 26.6 19.8 29.6

61 26.4 19.8 29.6

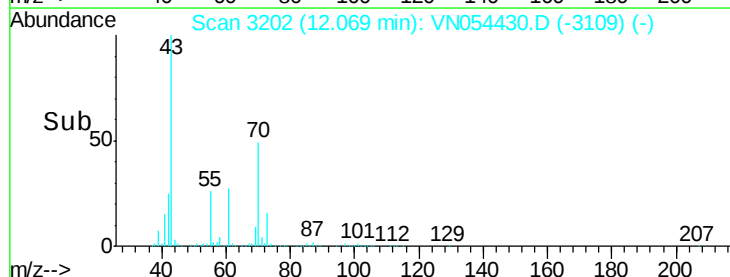
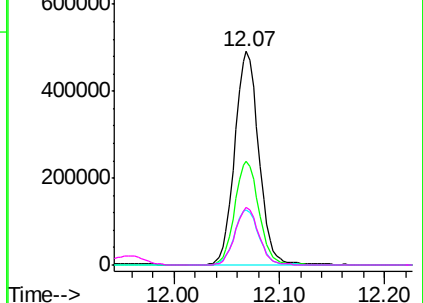


Abundance Ion 43.00 (42.70 to 43.70): V

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: 53.914 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

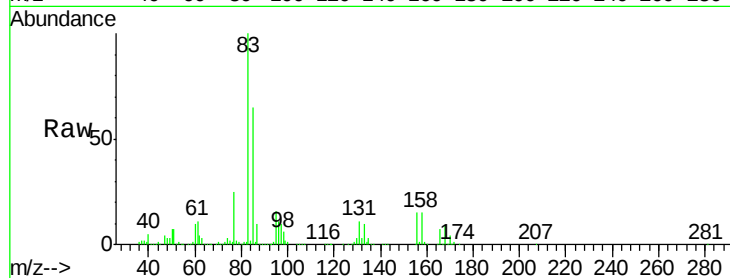
Tot Ion: 83 Resp: 768508

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

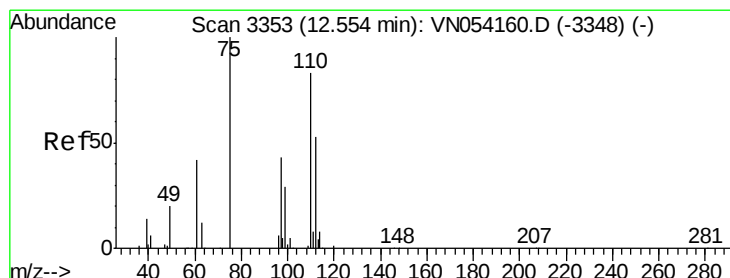
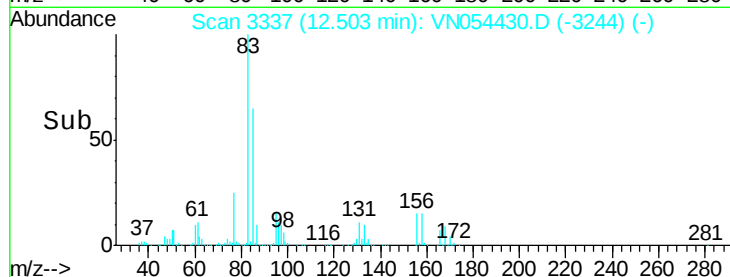
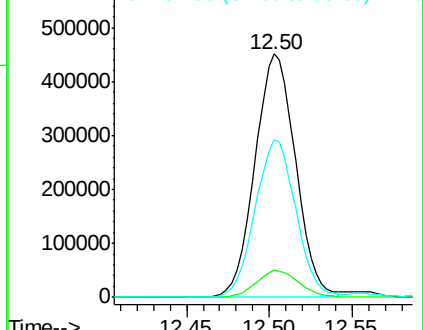
85 64.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054430.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054430.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054430.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 73.069 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054430.D

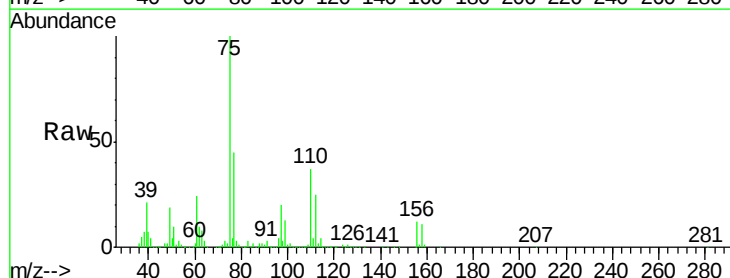
Acq: 19 Mar 2019 10:17

Tgt Ion: 75 Resp: 898537

Ion Ratio Lower Upper

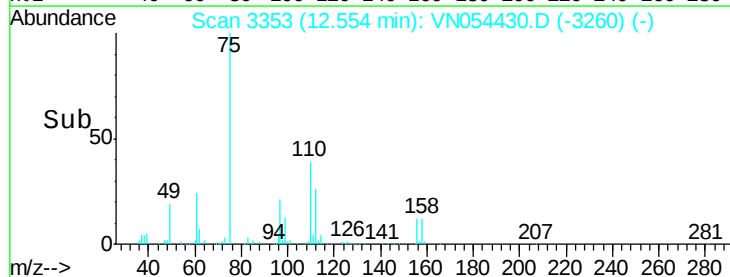
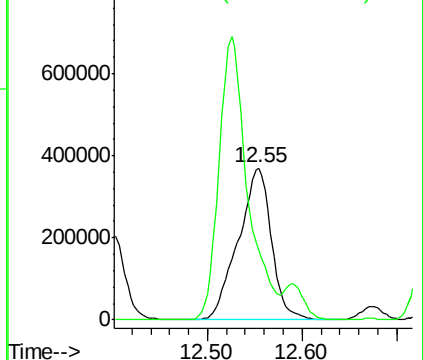
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054430.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054430.D (-3260) (-)





#77

Bromobenzene

Concen: 51.273 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

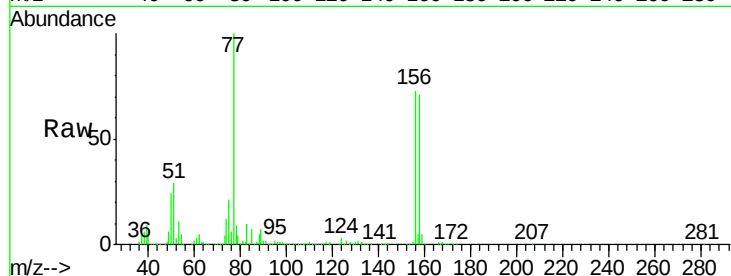
Tot Ion:156 Resp: 907730

Ion Ratio Lower Upper

156 100

77 160.6 81.5 244.4

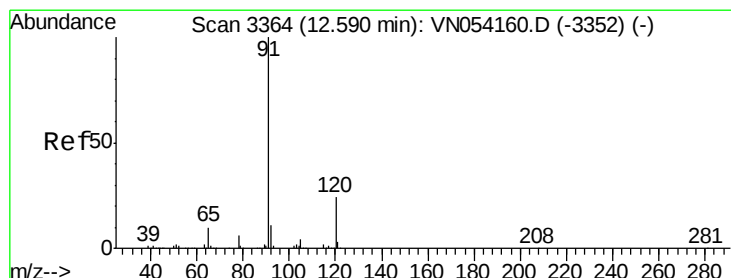
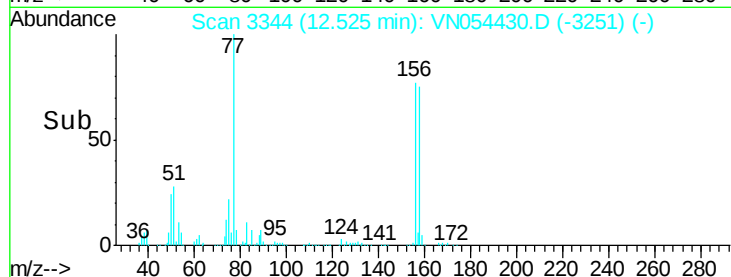
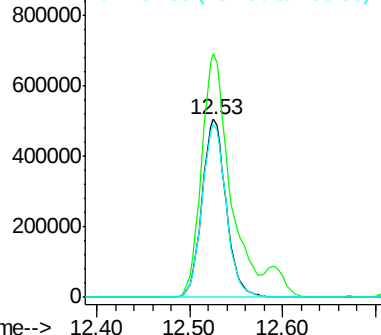
158 97.4 49.0 147.2



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: 51.739 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054430.D

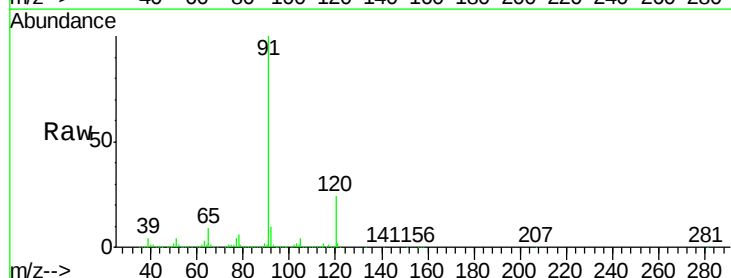
Acq: 19 Mar 2019 10:17

Tgt Ion: 91 Resp: 3755998

Ion Ratio Lower Upper

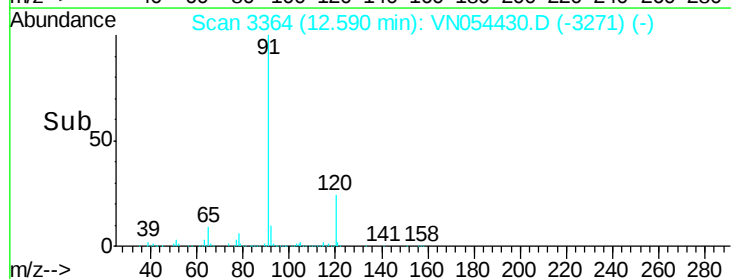
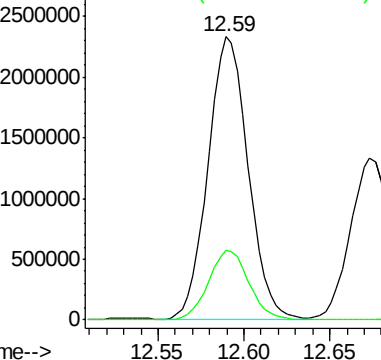
91 100

120 24.8 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: 50.976 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

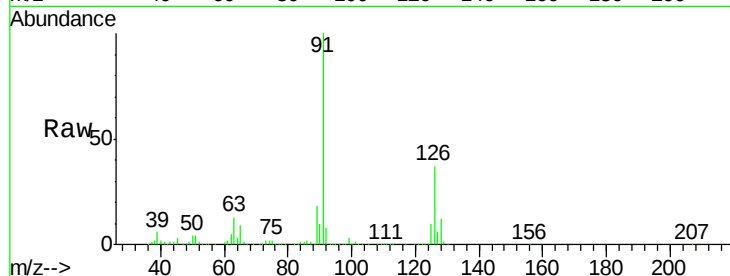
ClientSampled :

Tot Ion: 91 Resp: 2225068

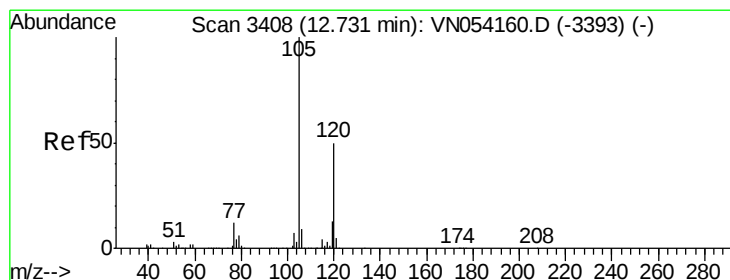
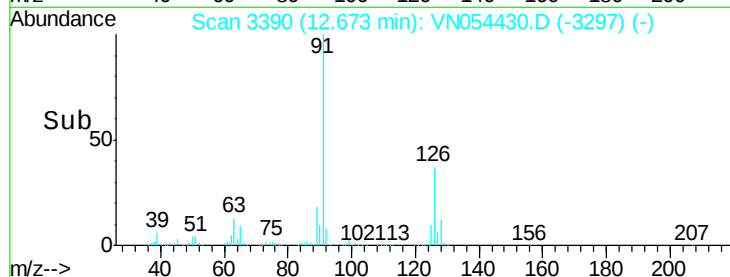
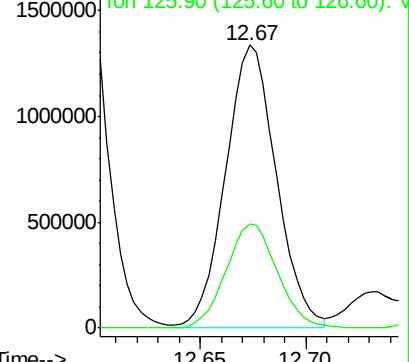
Ion Ratio Lower Upper

91 100

126 37.6 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054430.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.474 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054430.D

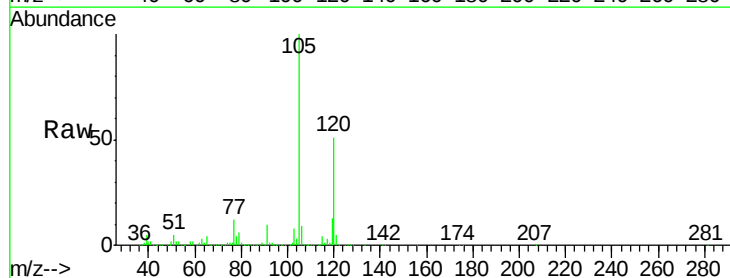
Acq: 19 Mar 2019 10:17

Tgt Ion:105 Resp: 2808852

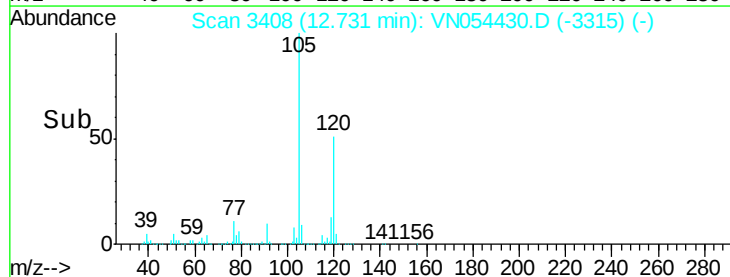
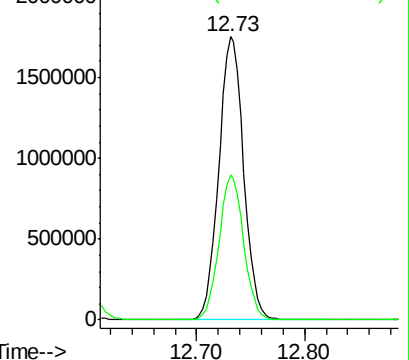
Ion Ratio Lower Upper

105 100

120 50.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054430.D (-3315) (-)

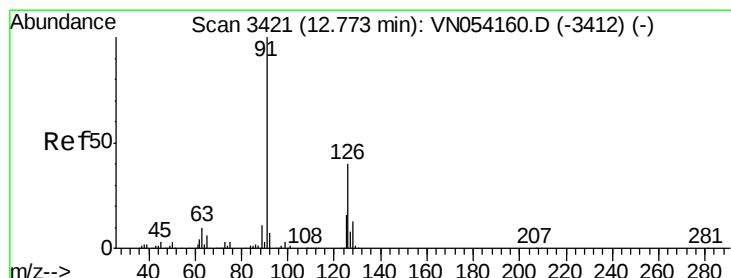
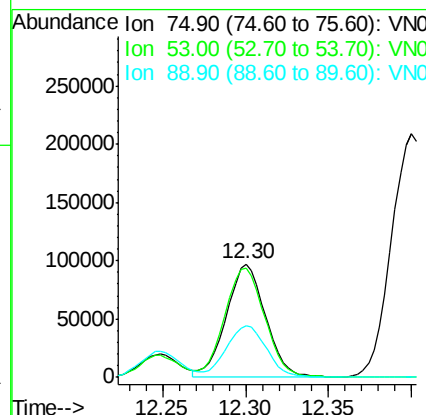
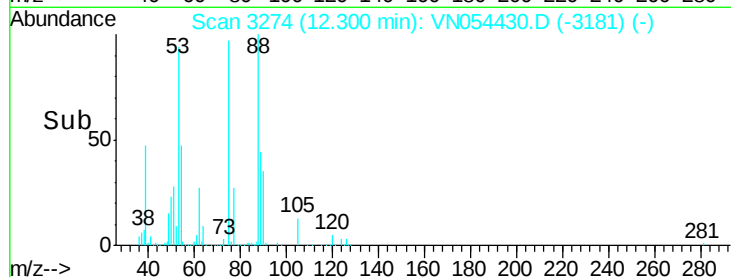
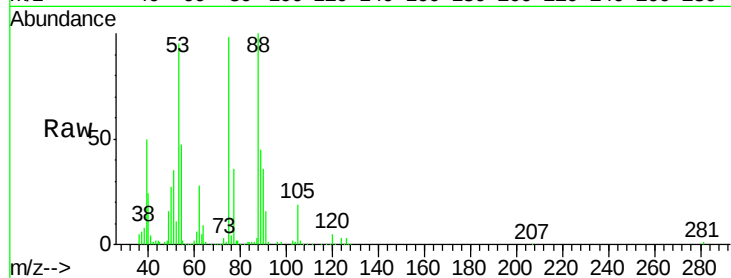




#81
trans-1,4-Dichloro-2-butene
Concen: 43.768 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

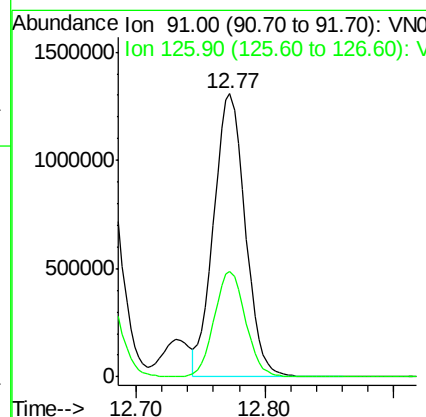
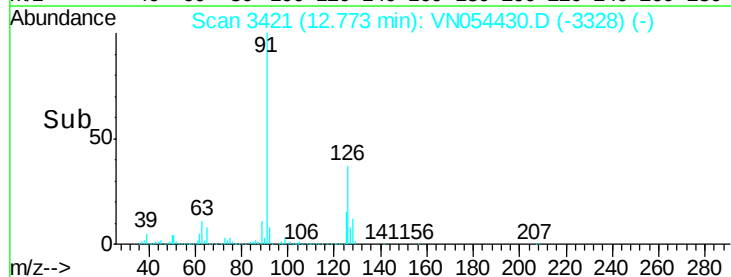
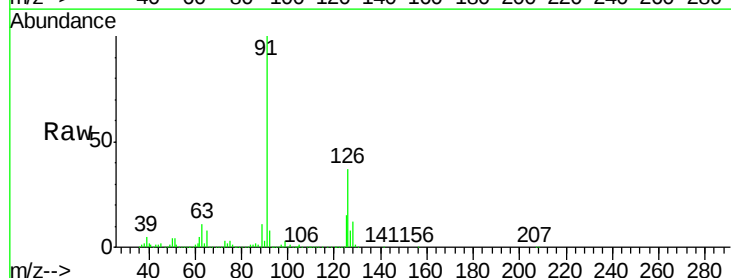
Instrument :
MSVOA_N
ClientSampled :

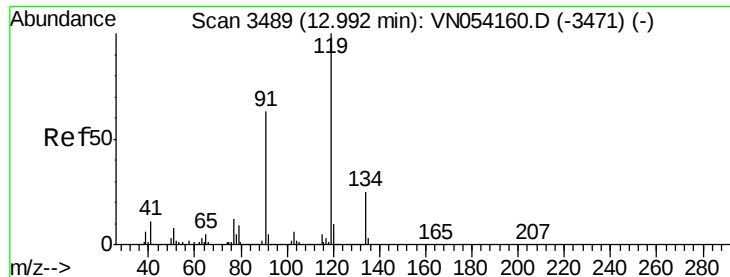
Tot Ion: 75 Resp: 157447
Ion Ratio Lower Upper
75 100
53 101.6 76.2 114.2
89 47.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 51.003 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 91 Resp: 2222978
Ion Ratio Lower Upper
91 100
126 37.0 18.1 54.1

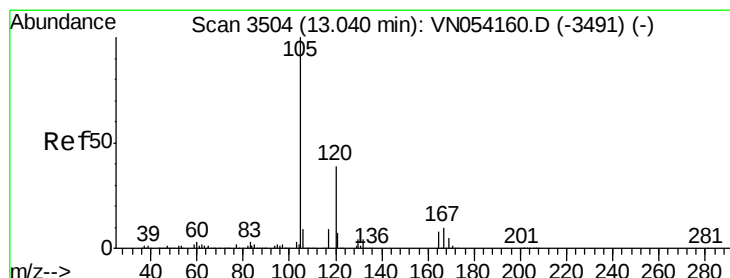
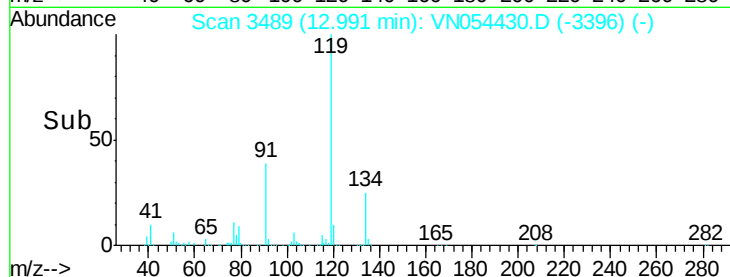
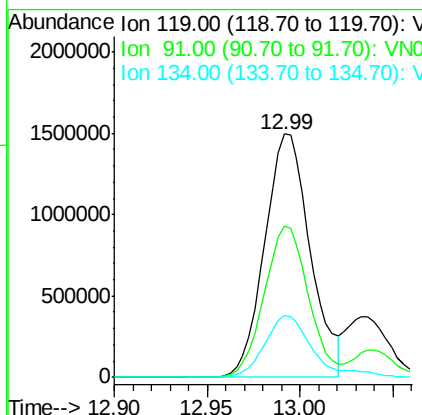
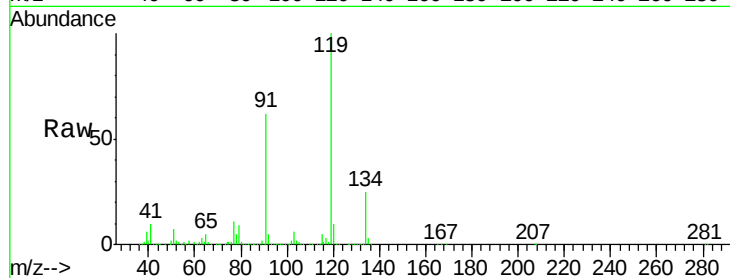




#83
 tert-Butylbenzene
 Concen: 50.054 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

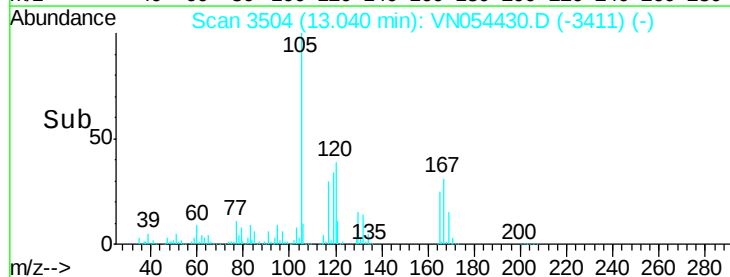
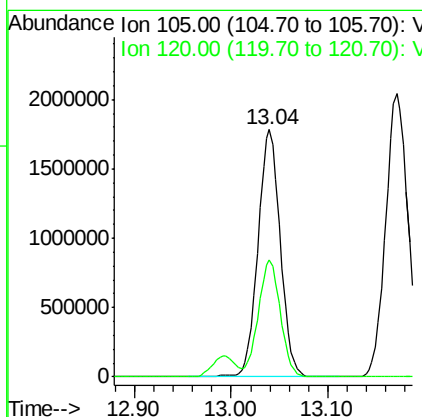
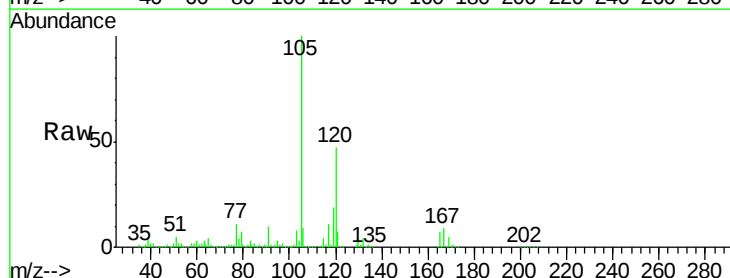
Instrument :
 MSVOA_N
 ClientSampleId :

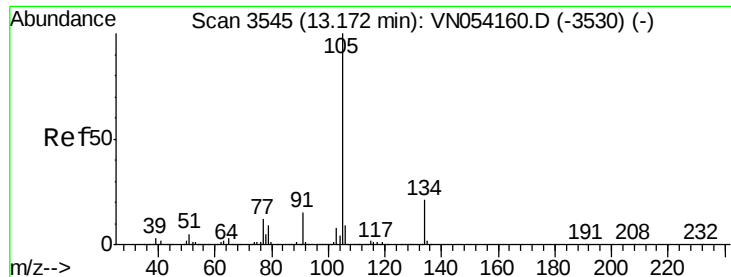
Tot Ion:119 Resp: 2563888
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.9 92.8
 134 26.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.123 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion:105 Resp: 2845662
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.340 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

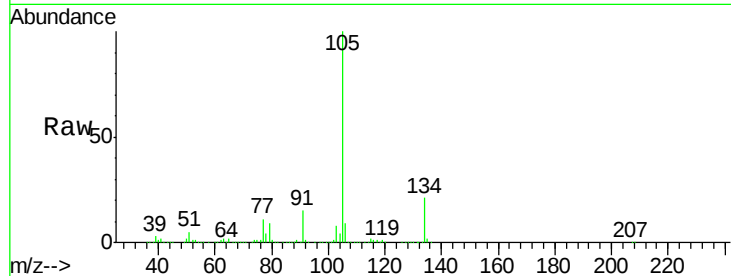
ClientSampleId :

Tot Ion:105 Resp: 3277559

Ion Ratio Lower Upper

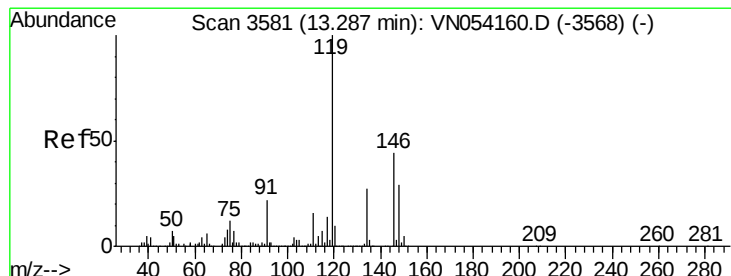
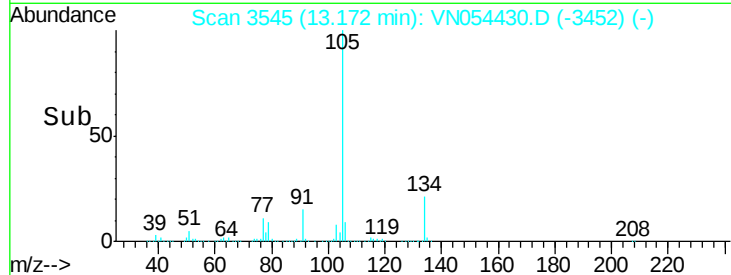
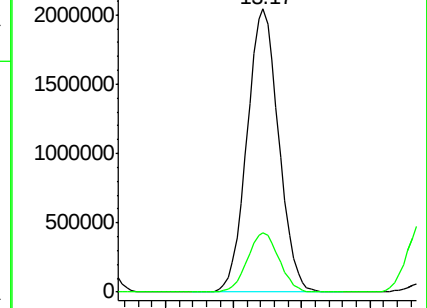
105 100

134 21.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.584 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

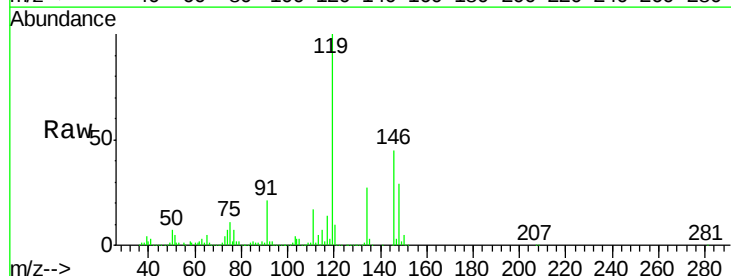
Tgt Ion:119 Resp: 2947917

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

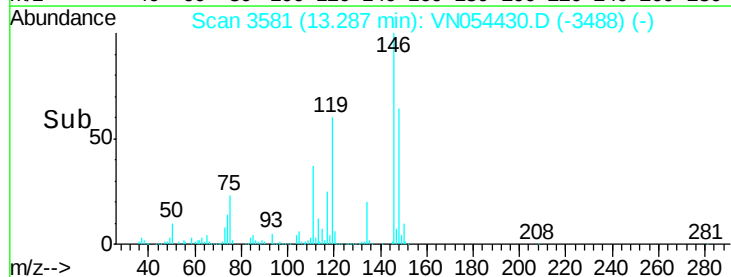
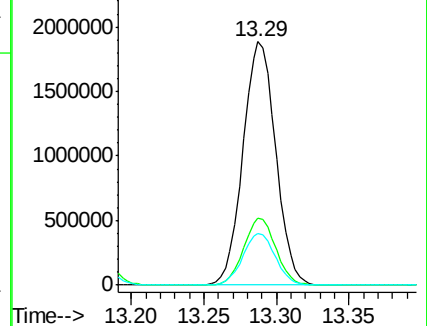
91 21.1 11.1 33.3

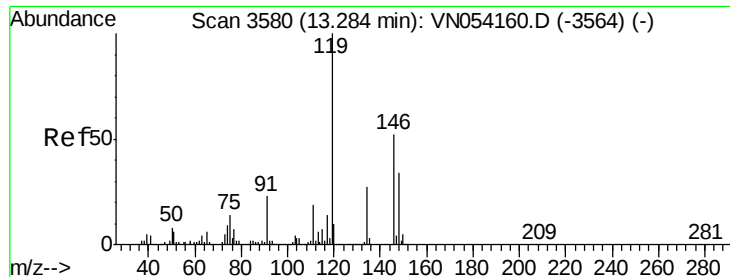


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.768 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

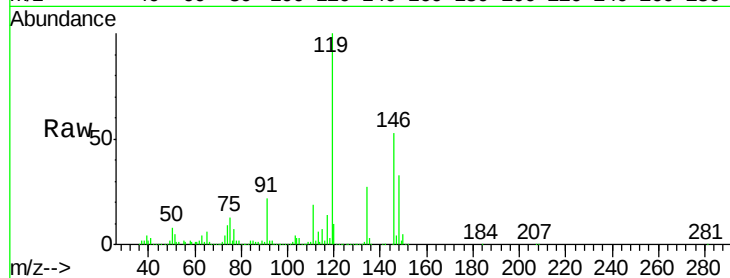
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 1574139

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.9	32.2	96.6

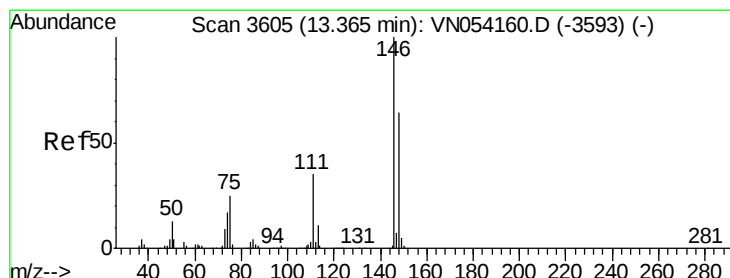
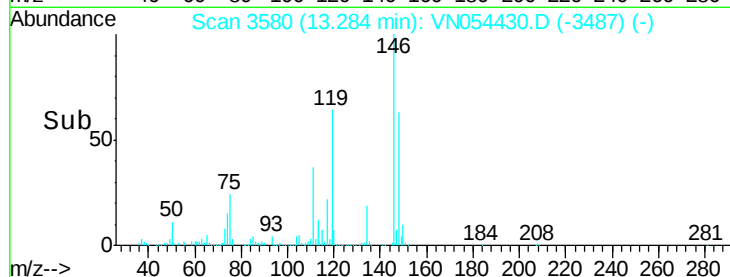
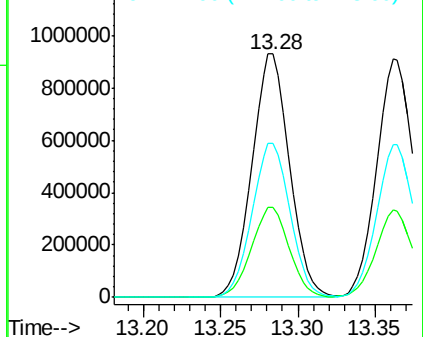


Abundance

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: 52.271 ug/l

RT: 13.36 min Scan# 3604

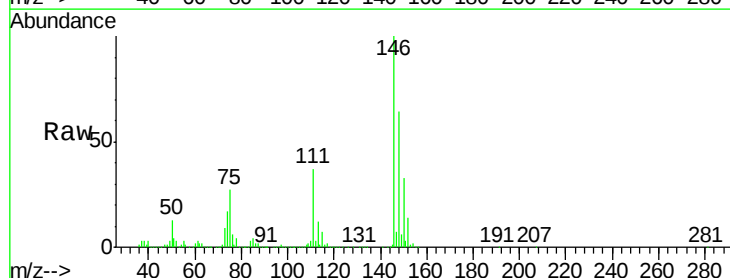
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:146 Resp: 1531830

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.4	32.0	96.0

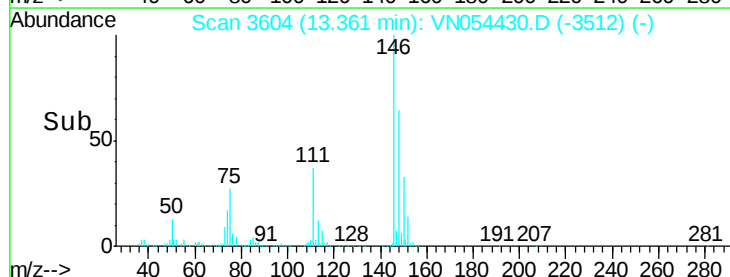
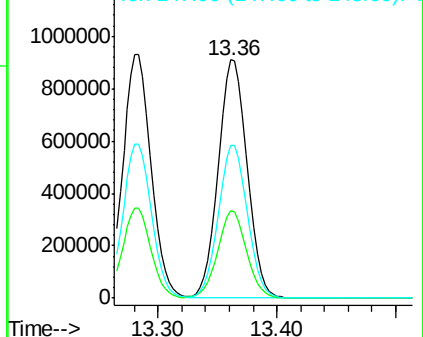


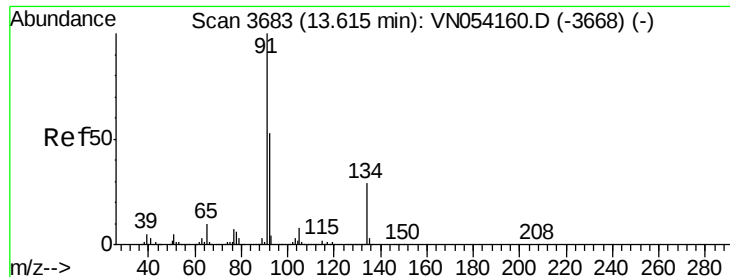
Abundance

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

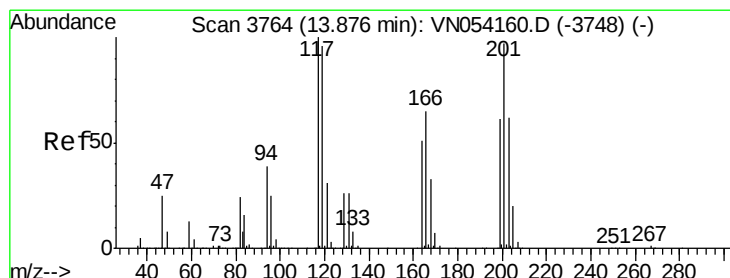
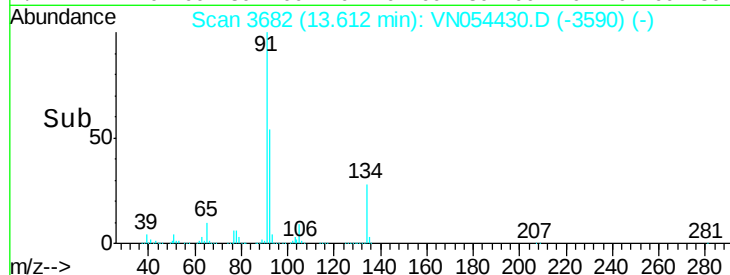
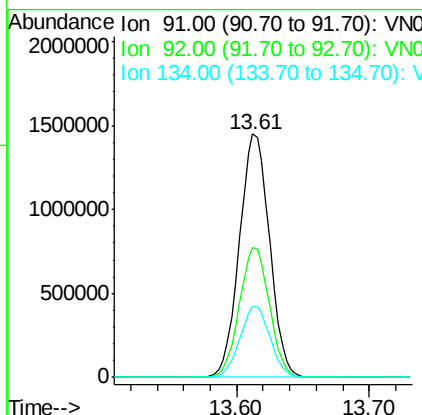
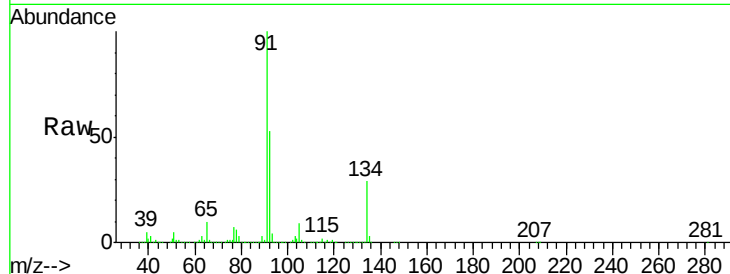




#89
n-Butylbenzene
Concen: 51.684 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

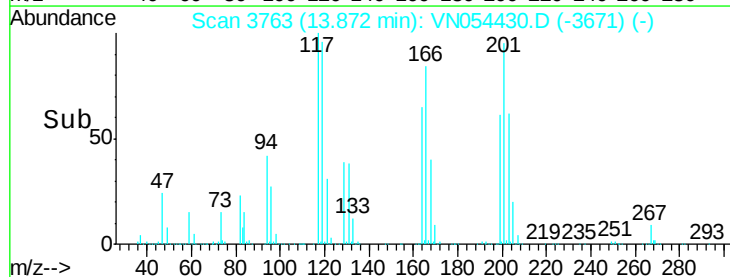
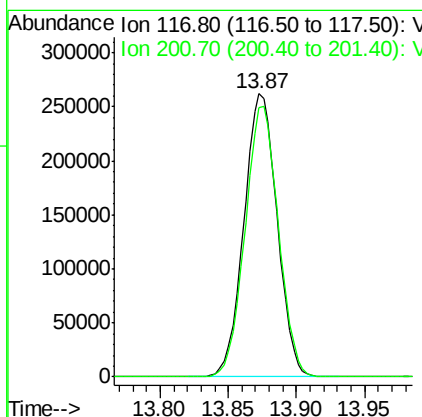
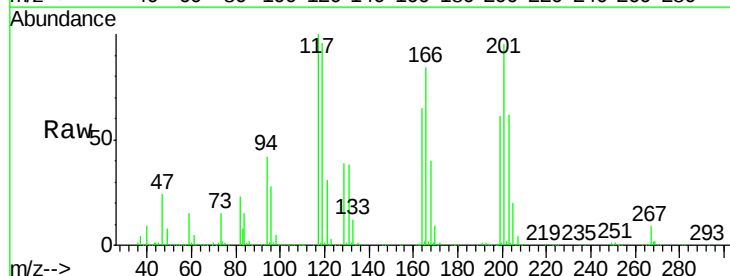
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 2288568
Ion Ratio Lower Upper
91 100
92 53.2 26.2 78.6
134 29.1 14.3 42.9



#90
Hexachloroethane
Concen: 45.838 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 117 Resp: 442332
Ion Ratio Lower Upper
117 100
201 95.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 52.356 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

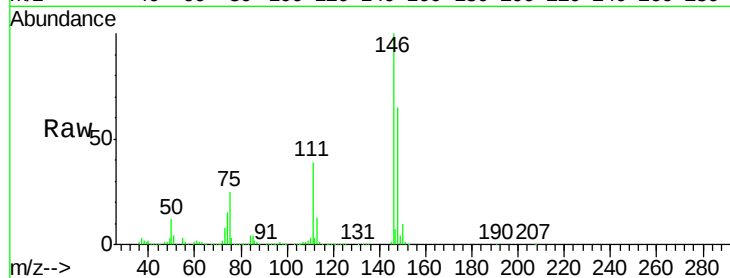
Tot Ion:146 Resp: 1526861

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

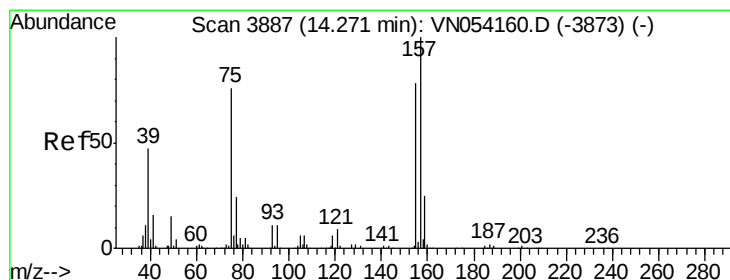
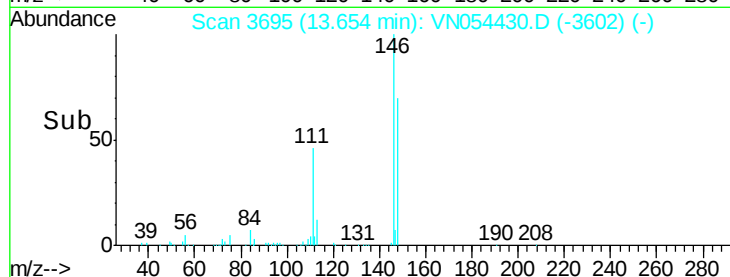
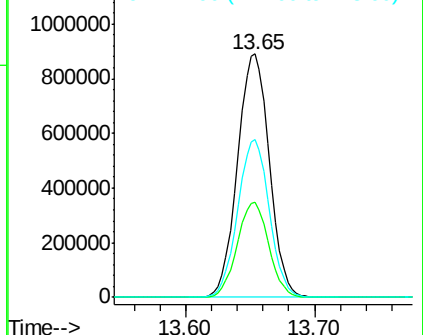
148 64.3 32.4 97.0



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: 50.089 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

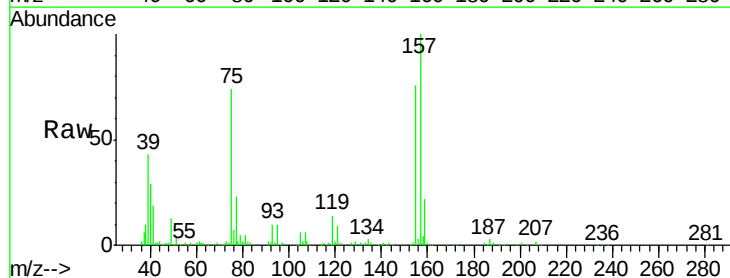
Tgt Ion: 75 Resp: 110483

Ion Ratio Lower Upper

75 100

155 104.8 50.1 150.3

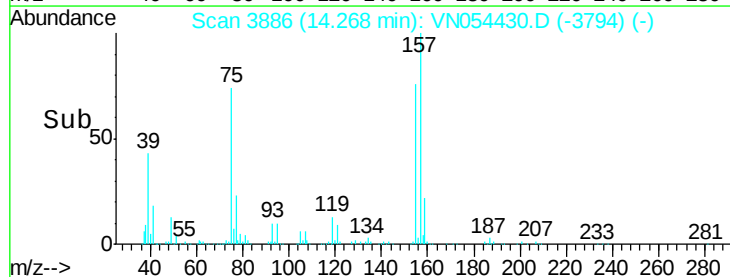
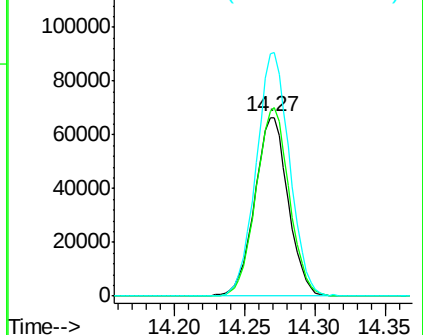
157 135.9 63.1 189.3

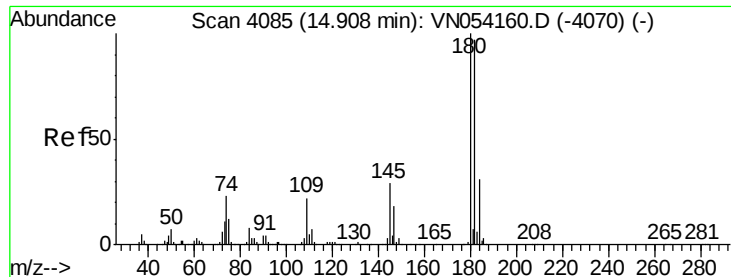


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

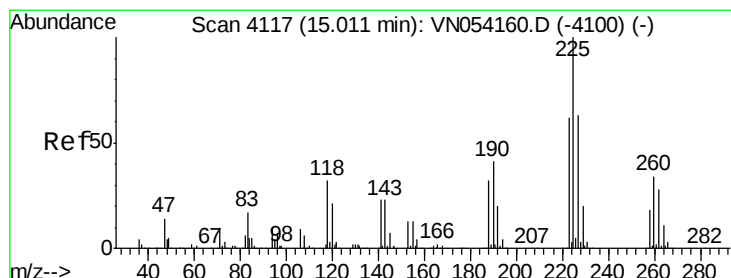
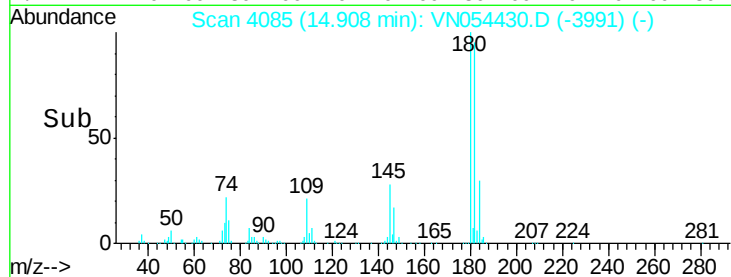
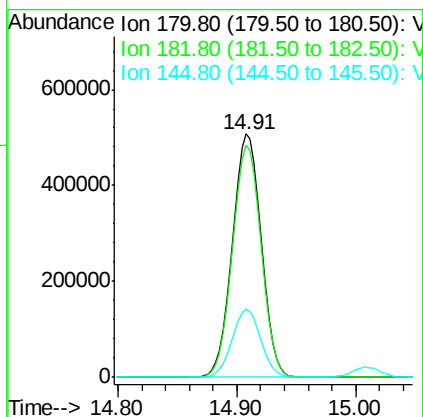
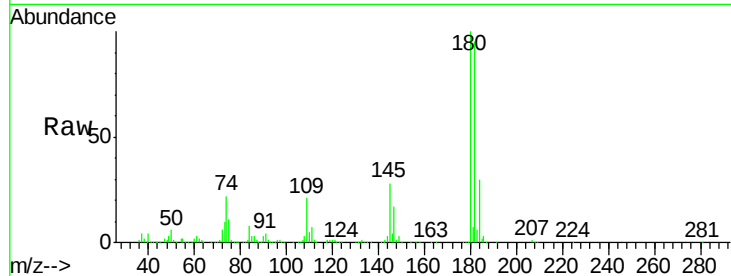




#93
 1,2,4-Trichlorobenzene
 Concen: 48.354 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

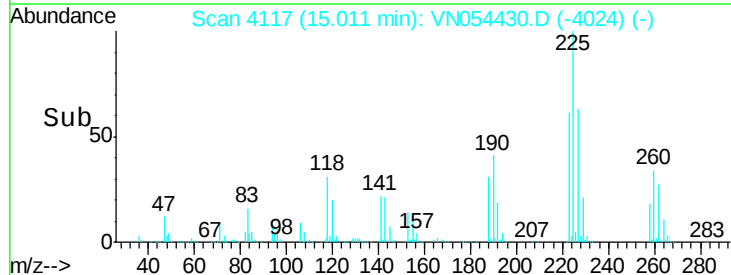
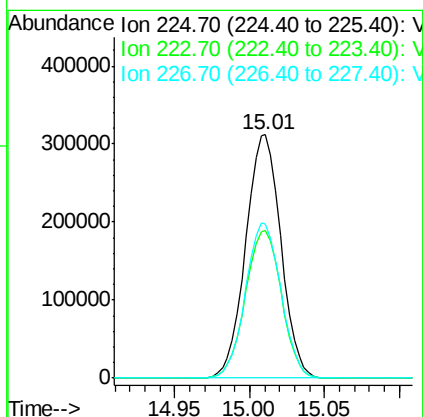
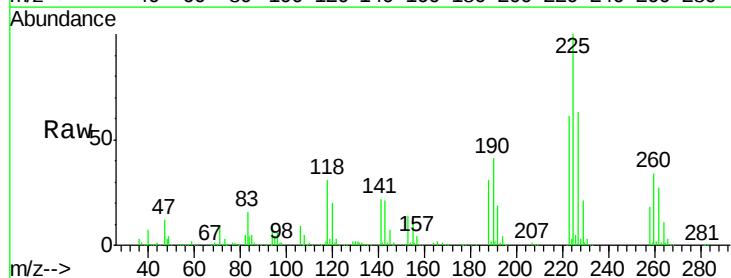
Instrument :
 MSVOA_N
 ClientSampleId :

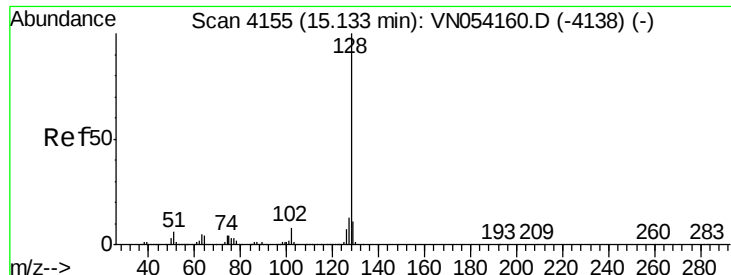
Tot Ion:180 Resp: 849805
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 27.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 45.963 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion:225 Resp: 510562
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 64.2 31.9 95.9





#95

Naphthalene

Concen: 47.812 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

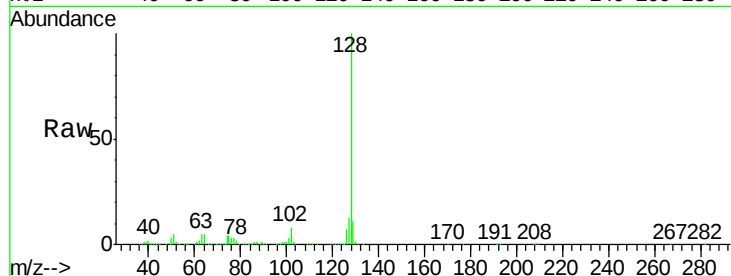
Tot Ion:128 Resp: 1747620

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

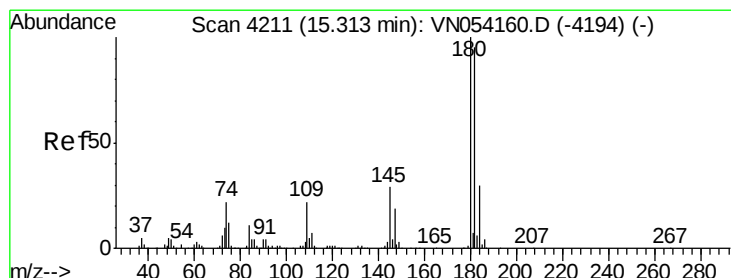
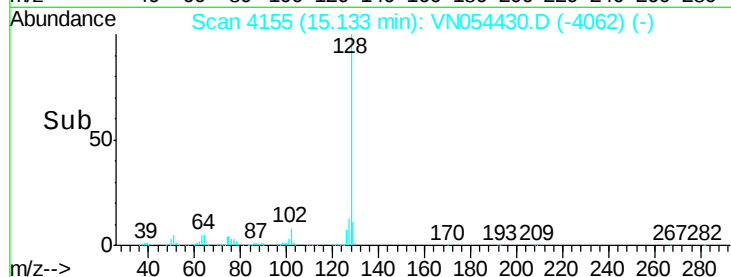
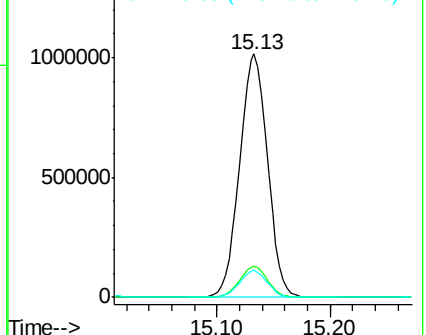
129 10.9 8.7 13.1



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: 53.093 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

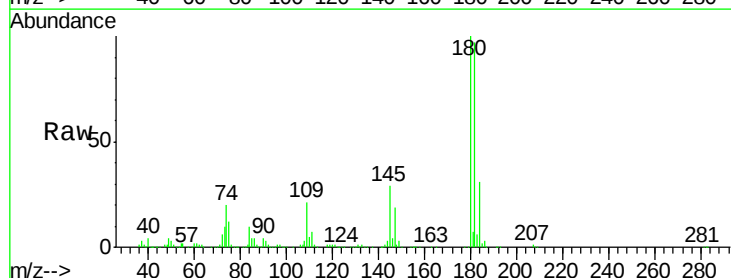
Tgt Ion:180 Resp: 822677

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 29.4 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

