

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054454.D
 Acq On : 19 Mar 2019 21:34
 Operator : JC/SP
 Sample : K1960-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:58:03 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	7.67	168	1347219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2022610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1754898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	792404	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	654045	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	7.59	113	672116	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.09	98	2434315	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	829889	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	588784	46.113	ug/l	99
3) Chloromethane	2.06	50	567853	45.785	ug/l	100
4) Vinyl Chloride	2.19	62	606725	42.800	ug/l	100
5) Bromomethane	2.57	94	396698	40.405	ug/l	98
6) Chloroethane	2.71	64	352056	41.046	ug/l	100
7) Trichlorofluoromethane	3.02	101	753624	39.986	ug/l	100
8) Diethyl Ether	3.41	74	387903	45.164	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	615438	43.575	ug/l	98
10) Methyl Iodide	3.94	142	981100	48.947	ug/l	99
11) Tert butyl alcohol	4.82	59	228116	232.572	ug/l	97
12) 1,1-Dichloroethene	3.73	96	607303	43.391	ug/l	98
13) Acrolein	3.61	56	180395	194.092	ug/l	99
14) Allyl chloride	4.32	41	870535	48.477	ug/l	92
15) Acrylonitrile	4.99	53	1109589	275.400	ug/l	98
16) Acetone	3.82	43	677065	165.276	ug/l	98
17) Carbon Disulfide	4.04	76	1487186	42.387	ug/l	99
18) Methyl Acetate	4.33	43	683040	82.412	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1846064	53.213	ug/l	100
20) Methylene Chloride	4.54	84	711917	52.926	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	674406	50.291	ug/l	98
22) Diisopropyl ether	5.96	45	1893420	52.830	ug/l	94
23) Vinyl Acetate	5.90	43	5945371	224.990	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1198343	52.074	ug/l	99
25) 2-Butanone	6.84	43	1187278	246.932	ug/l	97
26) 2,2-Dichloropropane	6.82	77	771793	38.138	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	796752	53.257	ug/l	95
28) Bromochloromethane	7.19	49	476087	50.606	ug/l	95
29) Tetrahydrofuran	7.22	42	779101	252.019	ug/l	95
30) Chloroform	7.37	83	1221638	50.874	ug/l	99
31) Cyclohexane	7.65	56	1012806	47.002	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1038301	47.877	ug/l	99
36) 1,1-Dichloropropene	7.79	75	916402	49.199	ug/l	99
37) Ethyl Acetate	6.94	43	491088	45.885	ug/l	97
38) Carbon Tetrachloride	7.77	117	903712	46.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	1002950	43.763	ug/l	97
40) Benzene	8.04	78	2828409	53.064	ug/l	99
41) Methacrylonitrile	7.18	41	319158	52.228	ug/l	94
42) 1,2-Dichloroethane	8.12	62	833045	46.292	ug/l	95
43) Isopropyl Acetate	8.17	43	877863	46.730	ug/l	95
44) Trichloroethene	8.83	130	824129	49.772	ug/l	100
45) 1,2-Dichloropropane	9.12	63	725101	54.785	ug/l	98
46) Dibromomethane	9.21	93	446204	49.897	ug/l	99
47) Bromodichloromethane	9.40	83	902936	50.366	ug/l	99
48) Methyl methacrylate	9.20	41	476378	49.968	ug/l	89
49) 1,4-Dioxane	9.20	88	147360	1092.761	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2644015	265.953	ug/l	94
52) Toluene	10.16	92	1782061	52.729	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	872266	42.836	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1055865	50.541	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	662196	53.660	ug/l	98
56) Ethyl methacrylate	10.43	69	824392	56.026	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1075871	53.318	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	1446	17.039	ug/l #	44
59) 2-Hexanone	10.75	43	1655483	250.256	ug/l	92
60) Dibromochloromethane	10.90	129	713333	51.356	ug/l	99
61) 1,2-Dibromoethane	11.01	107	658372	52.499	ug/l	100
64) Tetrachloroethene	10.63	164	724871	42.722	ug/l	98
65) Chlorobenzene	11.43	112	2044172	53.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	745124	53.231	ug/l	99
67) Ethyl Benzene	11.51	91	3264750	51.112	ug/l	99
68) m/p-Xylenes	11.62	106	2583602	103.488	ug/l	97
69) o-Xylene	11.95	106	1289974	53.005	ug/l	96
70) Styrene	11.96	104	2036878	53.366	ug/l	99
71) Bromoform	12.13	173	472323	44.534	ug/l	99
73) Isopropylbenzene	12.25	105	3271155	51.598	ug/l	100
74) N-amyl acetate	12.07	43	765287	54.383	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	776011	57.452	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	872895	74.910	ug/l #	100
77) Bromobenzene	12.53	156	898719	53.572	ug/l	97
78) n-propylbenzene	12.59	91	3440330	50.012	ug/l	99
79) 2-Chlorotoluene	12.67	91	2117917	51.205	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2610927	49.512	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	150913	44.272	ug/l	98
82) 4-Chlorotoluene	12.77	91	2112817	51.157	ug/l	99
83) tert-Butylbenzene	12.99	119	2330999	48.024	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2645319	51.133	ug/l	99
85) sec-Butylbenzene	13.17	105	2912693	46.272	ug/l	99
86) p-Isopropyltoluene	13.29	119	2576161	46.650	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1464503	51.808	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1436695	51.737	ug/l	99
89) n-Butylbenzene	13.62	91	1914730	45.633	ug/l	99
90) Hexachloroethane	13.87	117	407961	44.615	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1459528	52.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	105789	50.613	ug/l	91

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Response via : Initial Calibration

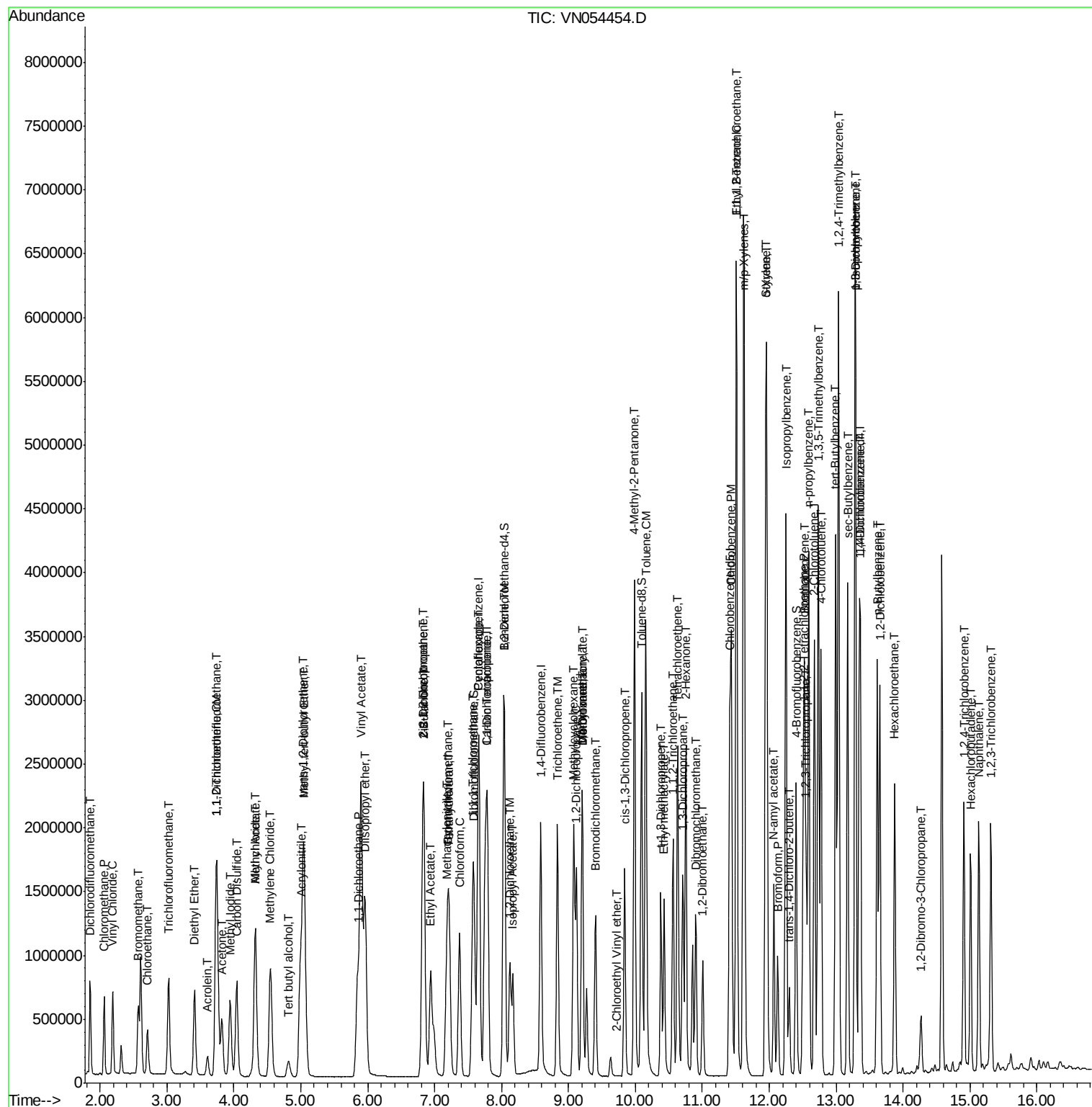
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	762611	45.926	ug/l	99
94) Hexachlorobutadiene	15.01	225	386362	36.706	ug/l	99
95) Naphthalene	15.13	128	1801006	51.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	752866	51.275	ug/l	98

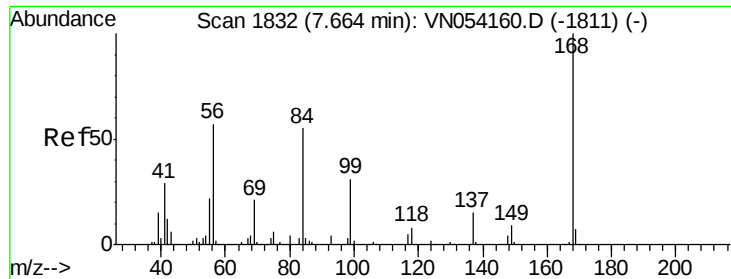
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

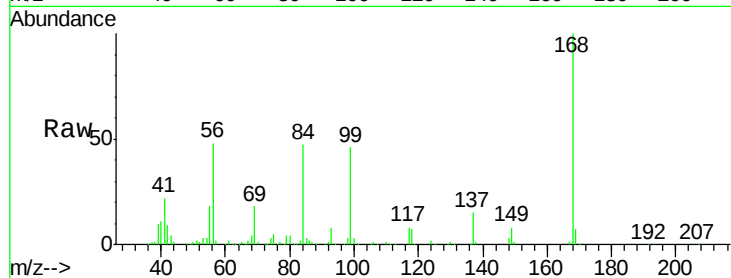
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1347219

Ion Ratio Lower Upper

168 100

99 45.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

300000

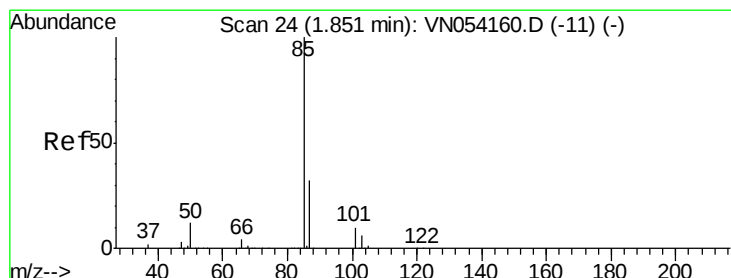
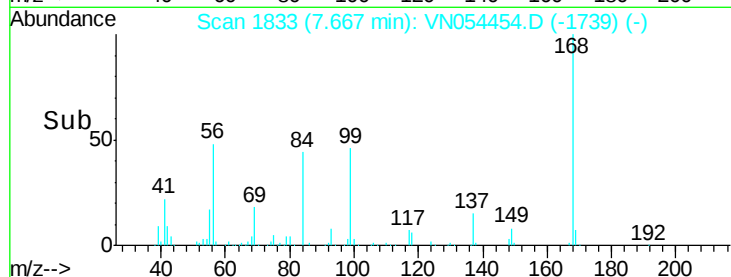
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.113 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054454.D

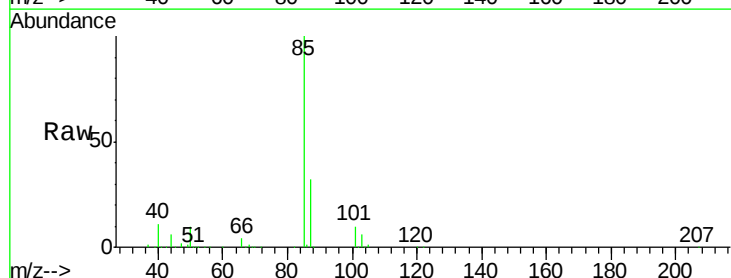
Acq: 19 Mar 2019 21:34

Tgt Ion: 85 Resp: 588784

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

1.85

500000

400000

300000

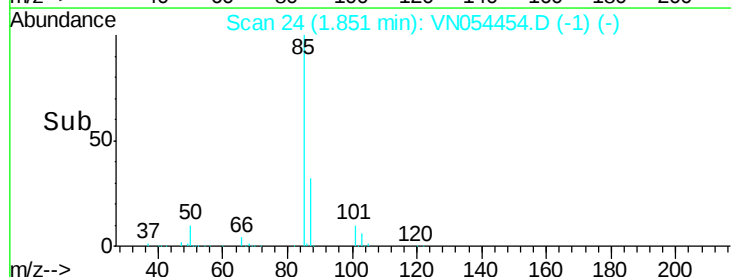
200000

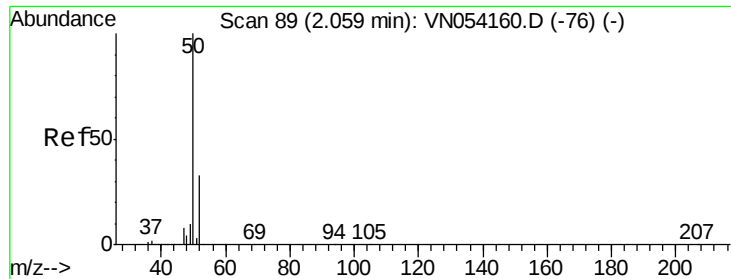
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.785 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

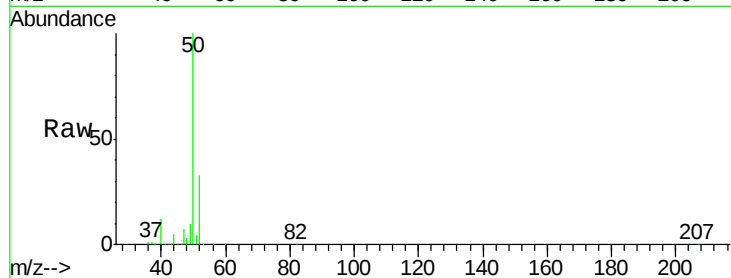
ClientSampled :

Tot Ion: 50 Resp: 567853

Ion Ratio Lower Upper

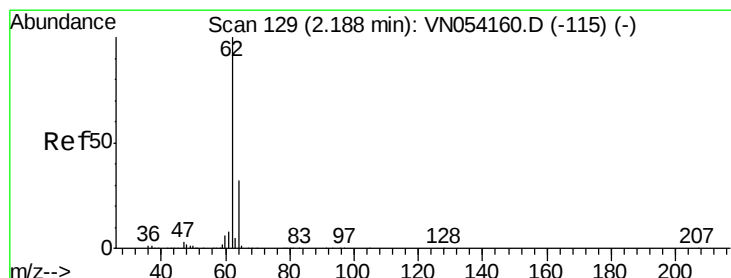
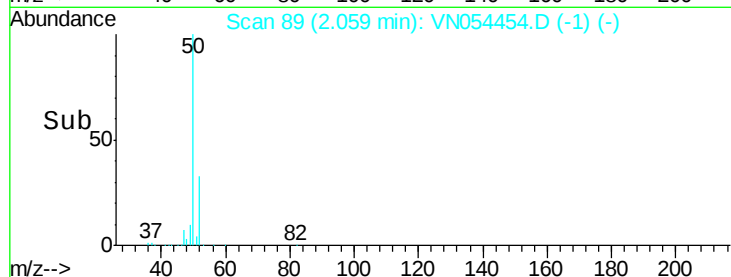
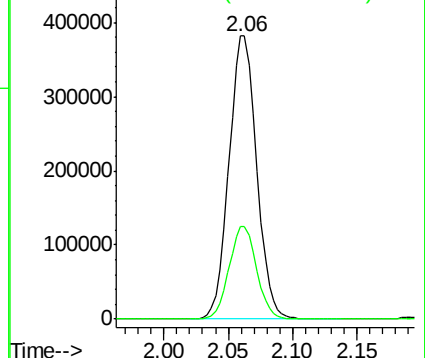
50 100

52 32.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.800 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054454.D

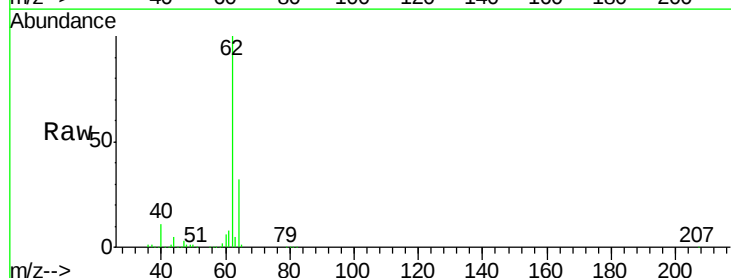
Acq: 19 Mar 2019 21:34

Tgt Ion: 62 Resp: 606725

Ion Ratio Lower Upper

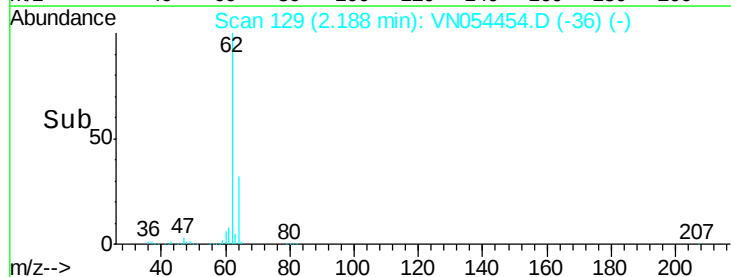
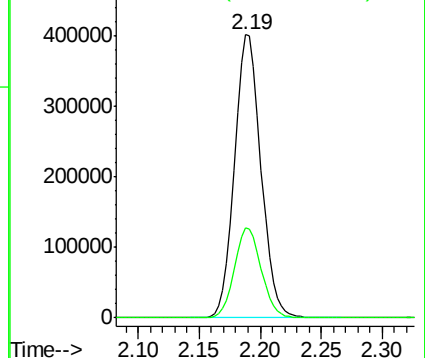
62 100

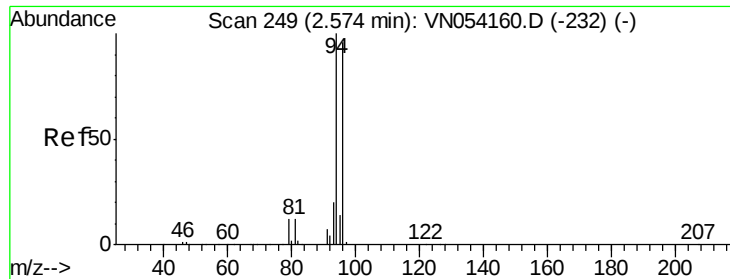
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.405 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

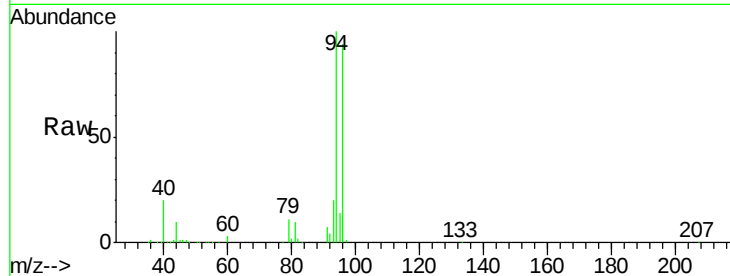
ClientSampleId :

Tot Ion: 94 Resp: 396698

Ion Ratio Lower Upper

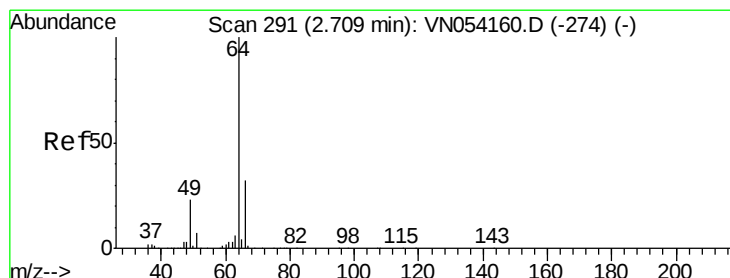
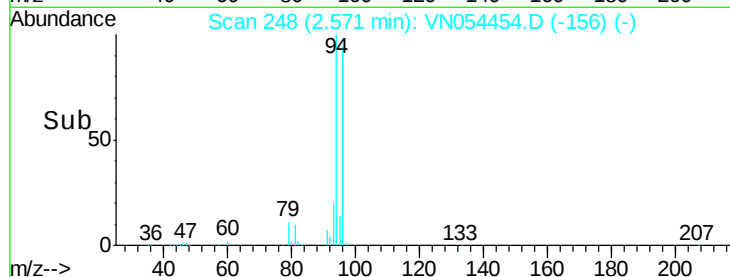
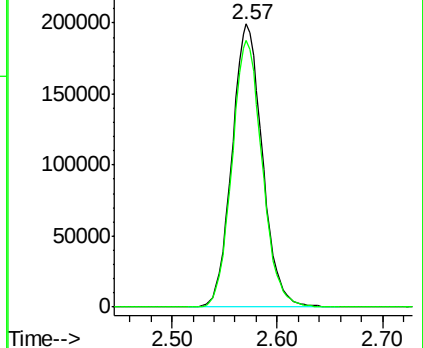
94 100

96 94.2 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: 41.046 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054454.D

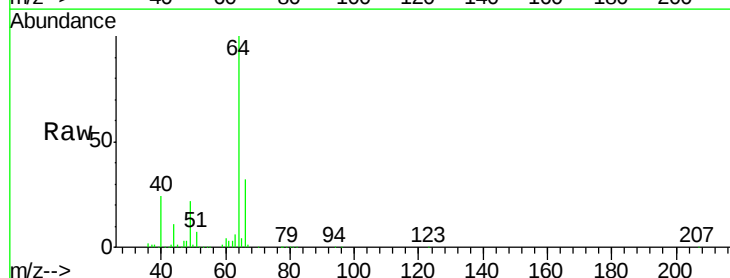
Acq: 19 Mar 2019 21:34

Tgt Ion: 64 Resp: 352056

Ion Ratio Lower Upper

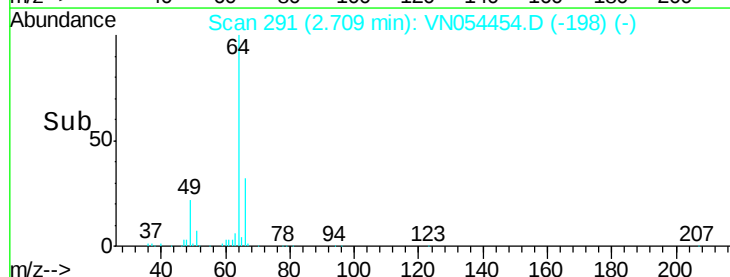
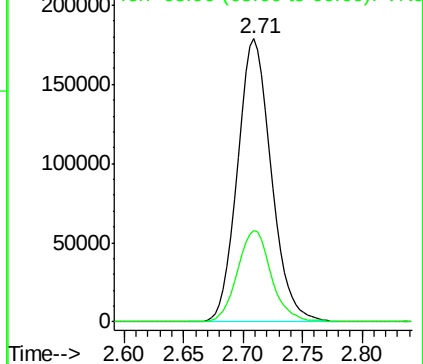
64 100

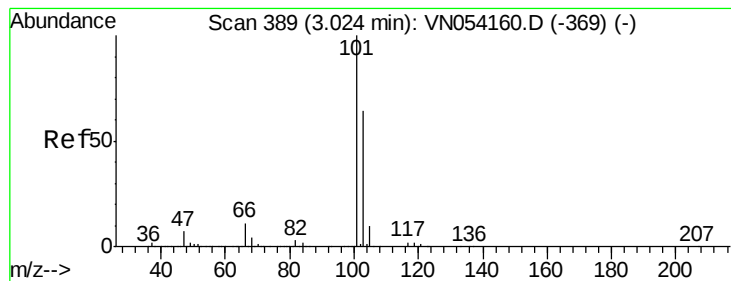
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



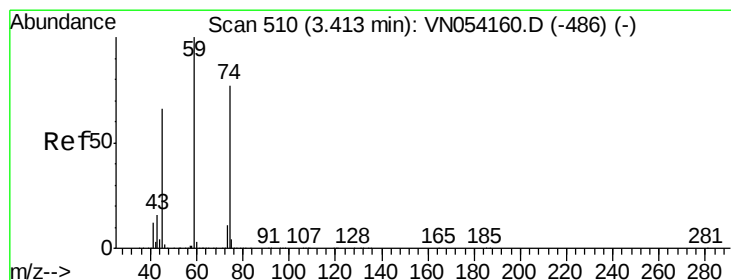
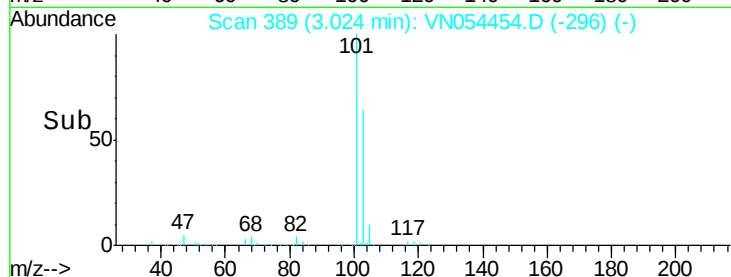
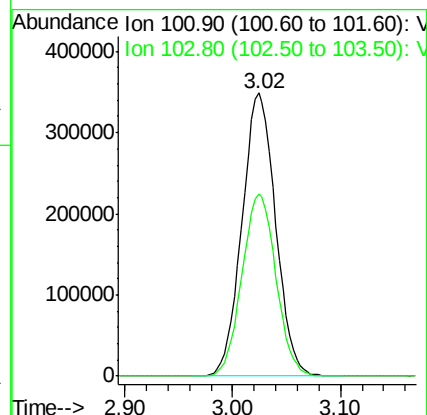
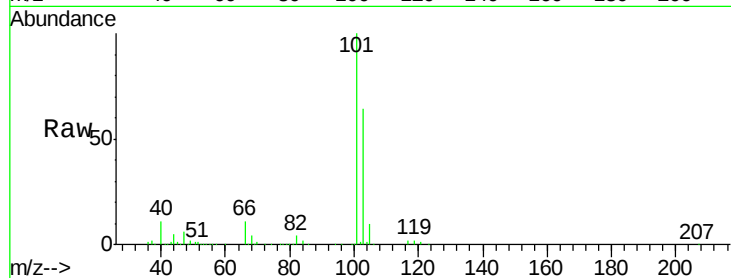


#7

Trichlorofluoromethane
Concen: 39.986 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampled :

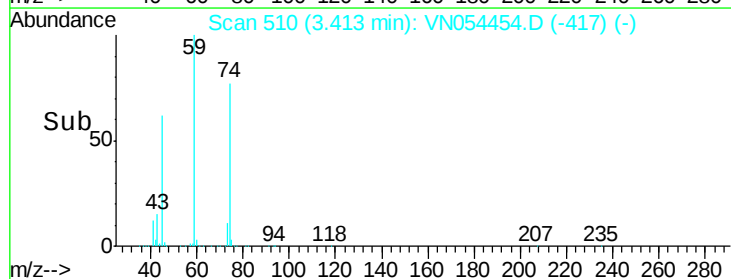
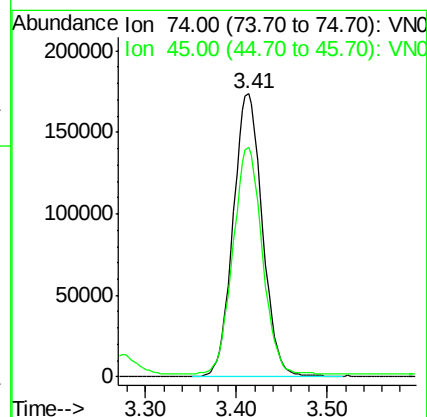
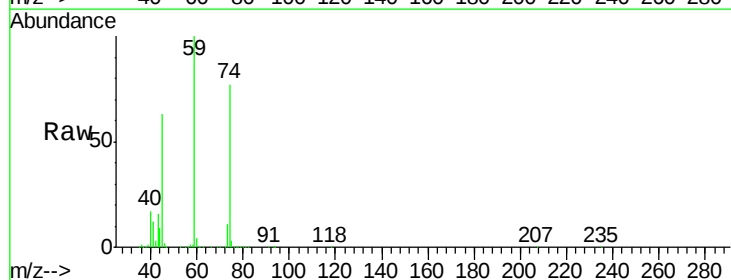
Tot Ion:101 Resp: 753624
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

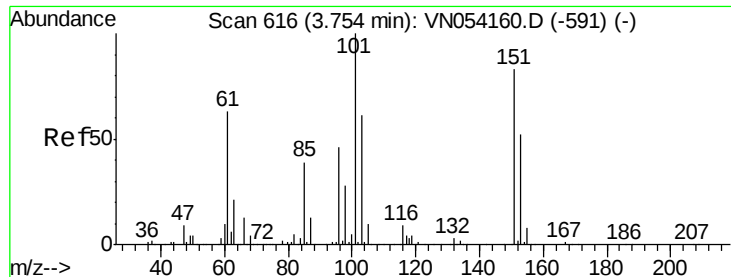


#8

Diethyl Ether
Concen: 45.164 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 74 Resp: 387903
Ion Ratio Lower Upper
74 100
45 80.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.575 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

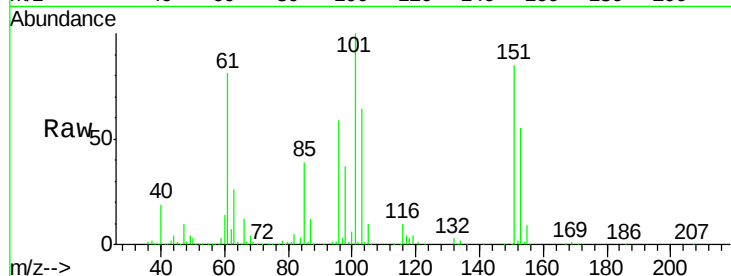
Tot Ion:101 Resp: 615438

Ion Ratio Lower Upper

101 100

85 39.7 32.4 48.6

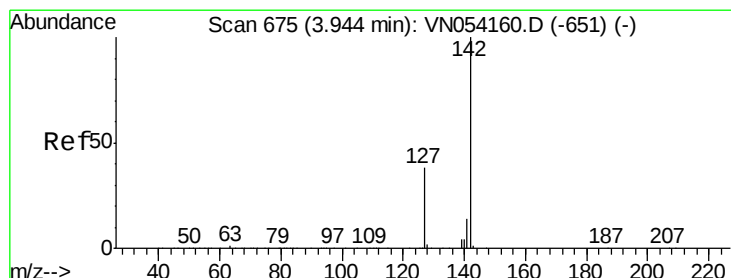
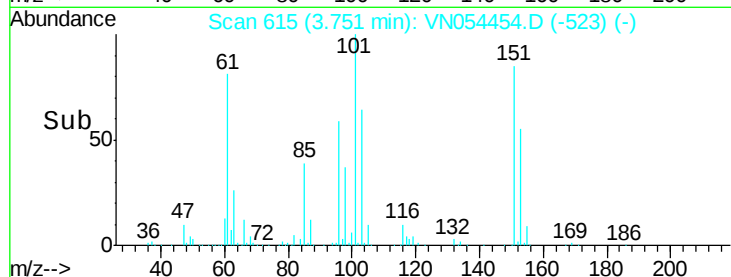
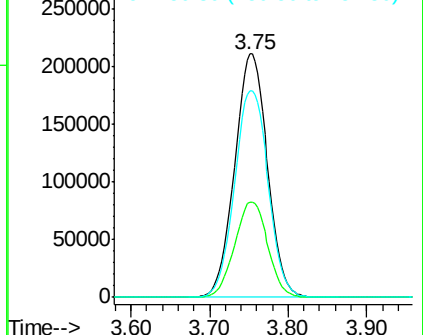
151 87.3 68.2 102.2



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: 48.947 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

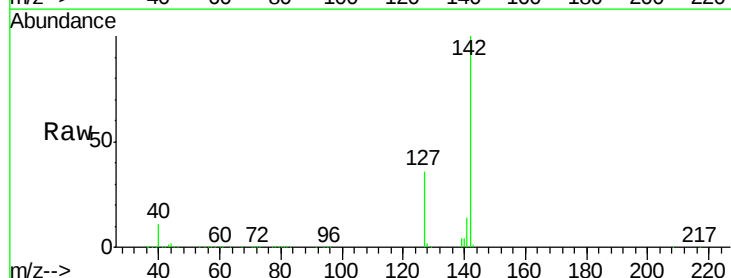
Tgt Ion:142 Resp: 981100

Ion Ratio Lower Upper

142 100

127 36.8 30.3 45.5

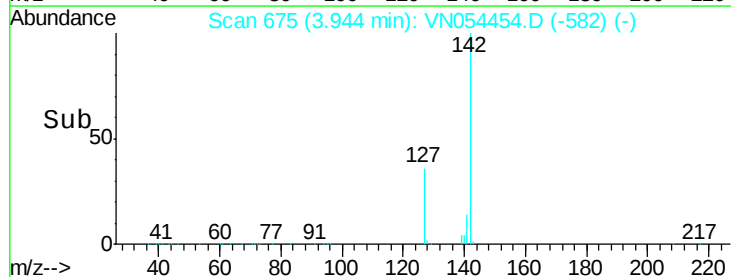
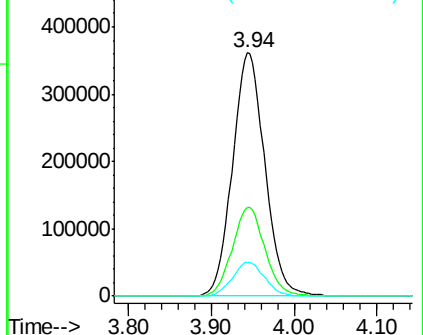
141 14.1 11.2 16.8

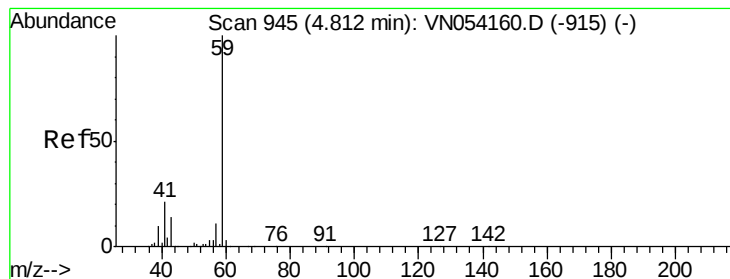


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



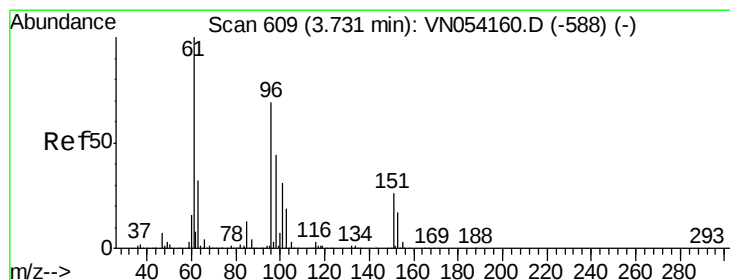
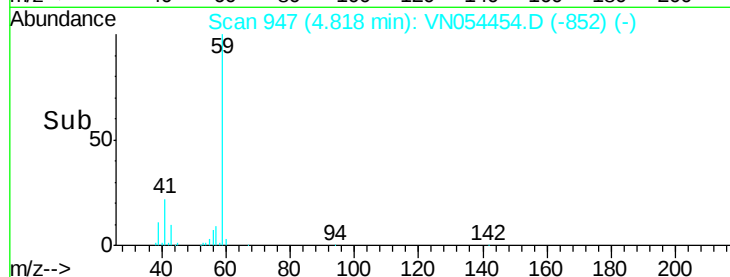
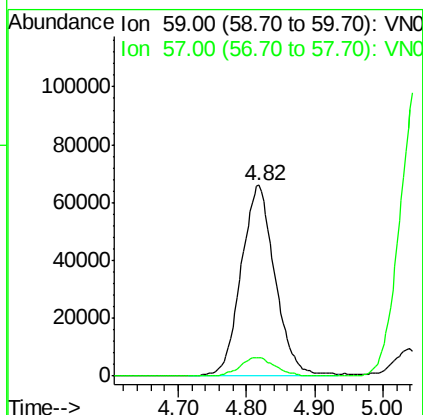
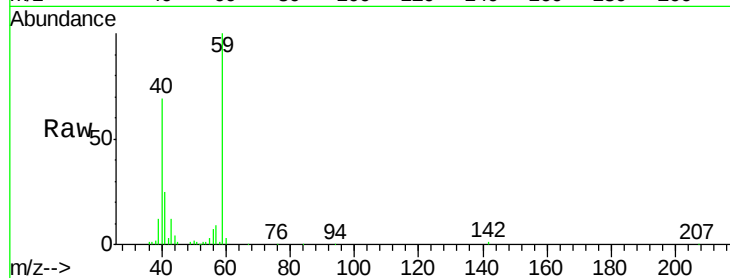


#11

Tert butyl alcohol
Concen: 232.572 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampled :

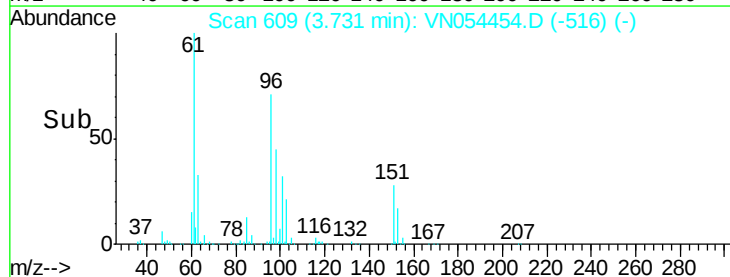
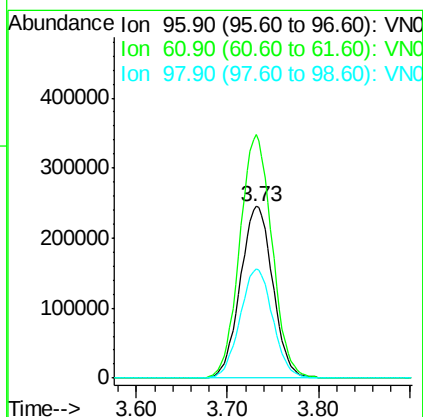
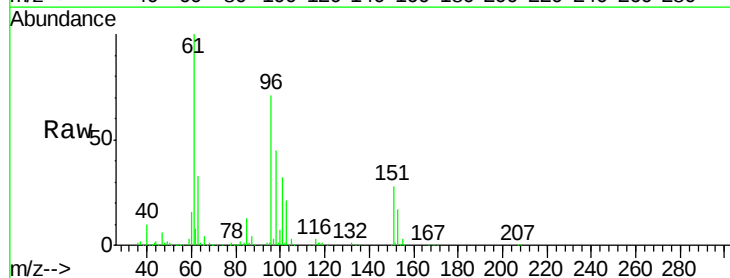
Tot Ion: 59 Resp: 228116
Ion Ratio Lower Upper
59 100
57 10.0 9.0 13.6

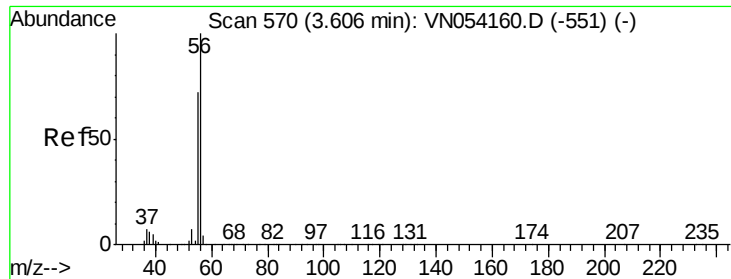


#12

1,1-Dichloroethene
Concen: 43.391 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 96 Resp: 607303
Ion Ratio Lower Upper
96 100
61 141.7 116.5 174.7
98 63.5 51.0 76.4





#13

Acrolein

Concen: 194.092 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

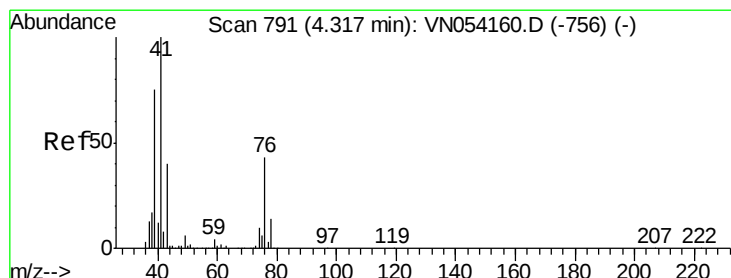
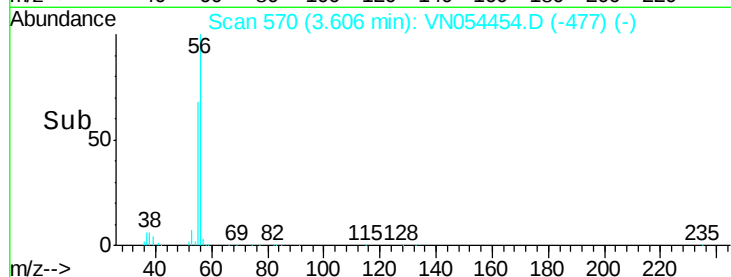
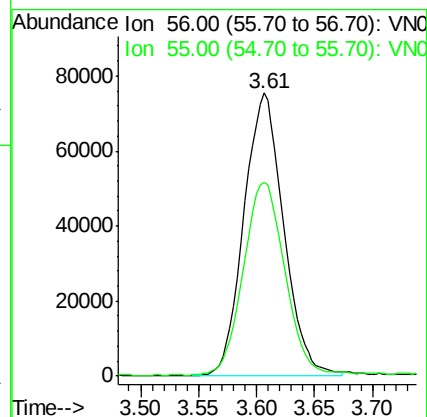
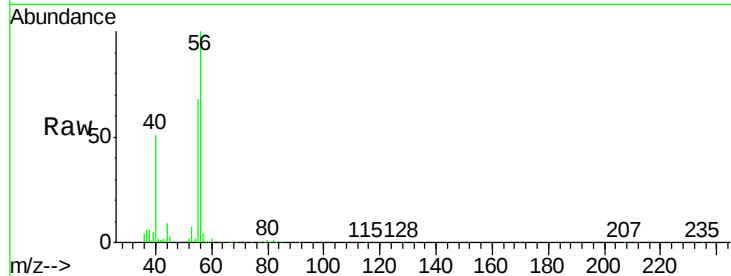
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 180395

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 48.477 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

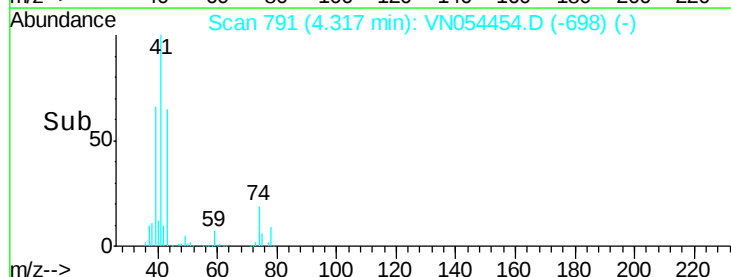
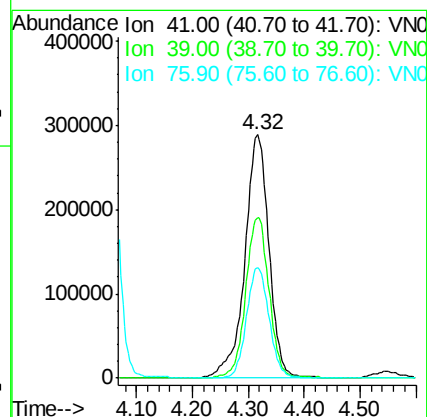
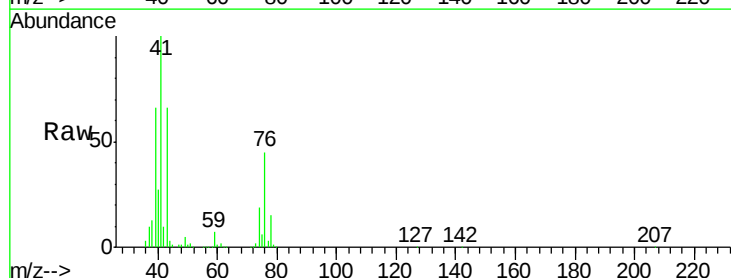
Tgt Ion: 41 Resp: 870535

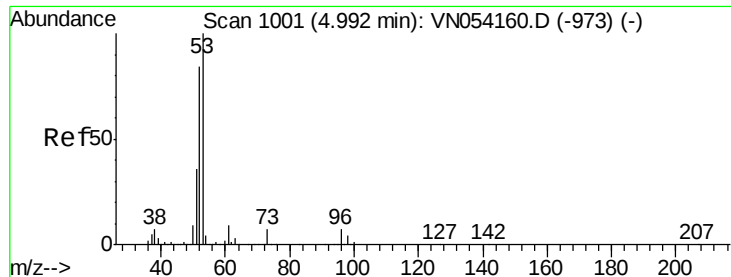
Ion Ratio Lower Upper

41 100

39 63.4 58.2 87.4

76 41.7 31.7 47.5





#15

Acrylonitrile

Concen: 275.400 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

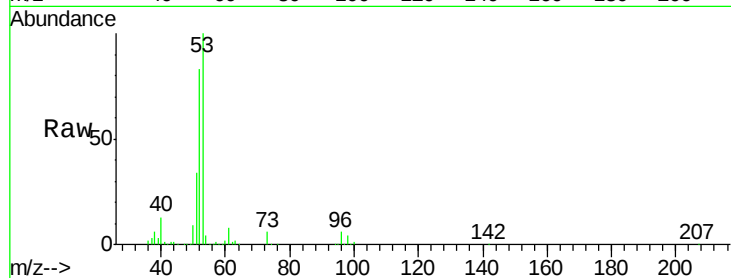
Tot Ion: 53 Resp: 1109589

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

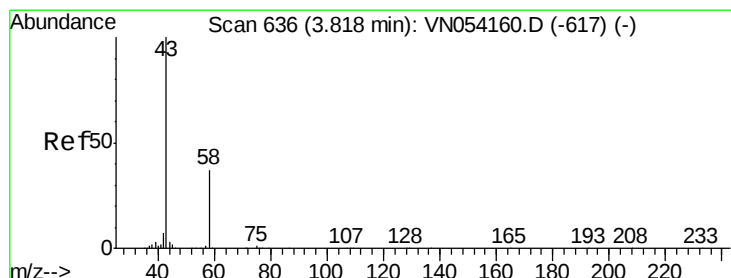
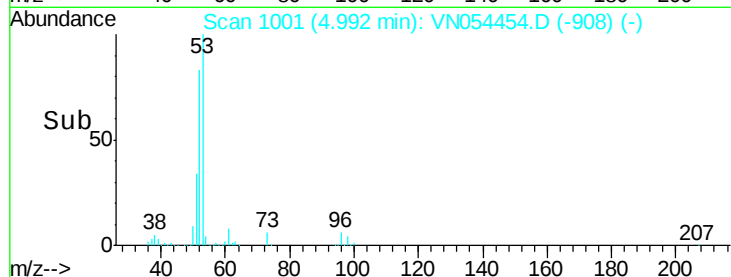
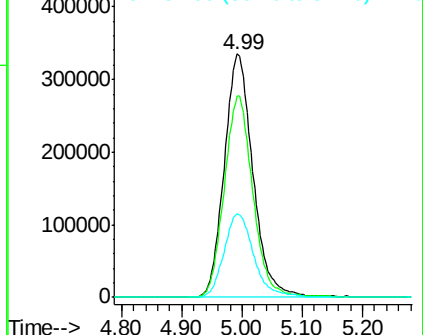
51 35.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 165.276 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054454.D

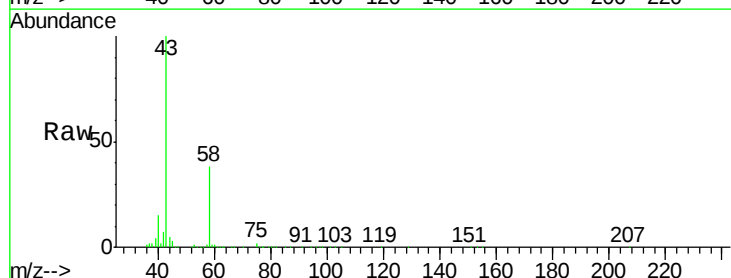
Acq: 19 Mar 2019 21:34

Tgt Ion: 43 Resp: 677065

Ion Ratio Lower Upper

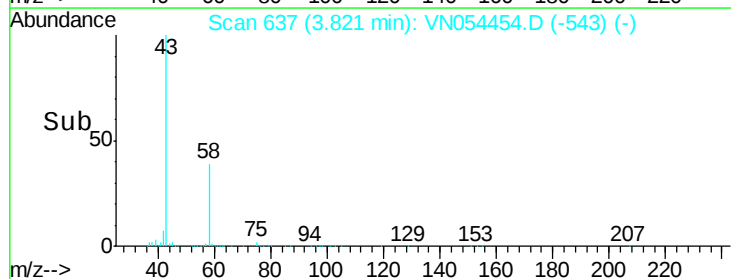
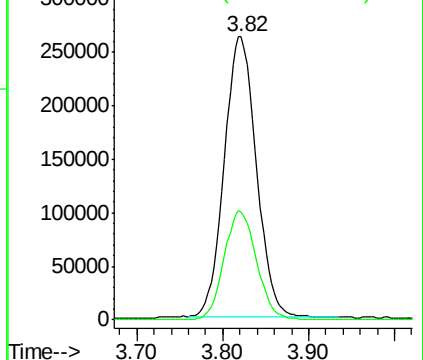
43 100

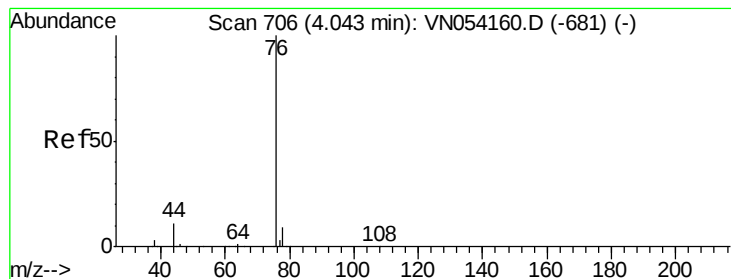
58 38.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.387 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

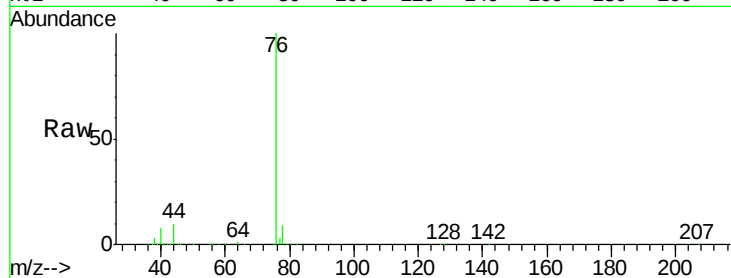
ClientSampled :

Tot Ion: 76 Resp: 1487186

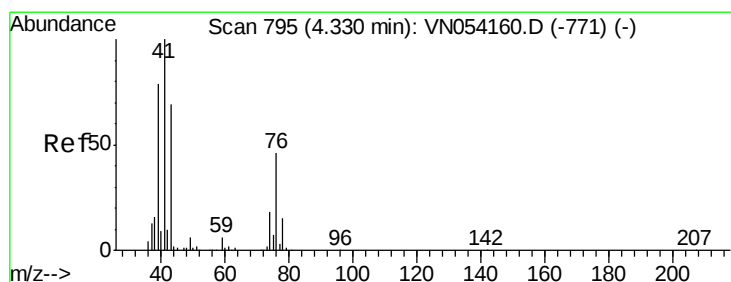
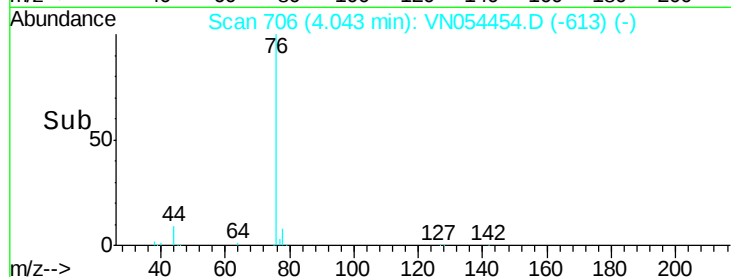
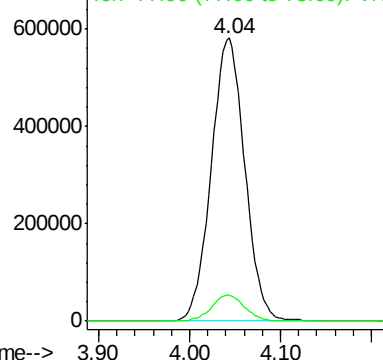
Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 82.412 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054454.D

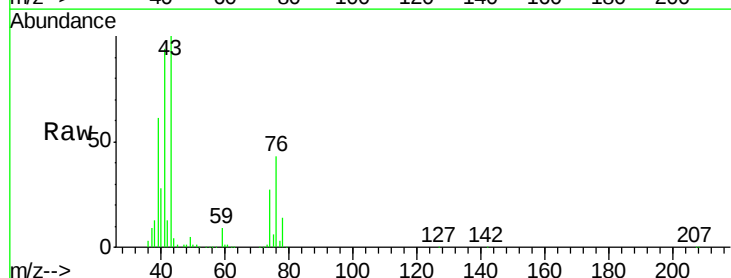
Acq: 19 Mar 2019 21:34

Tgt Ion: 43 Resp: 683040

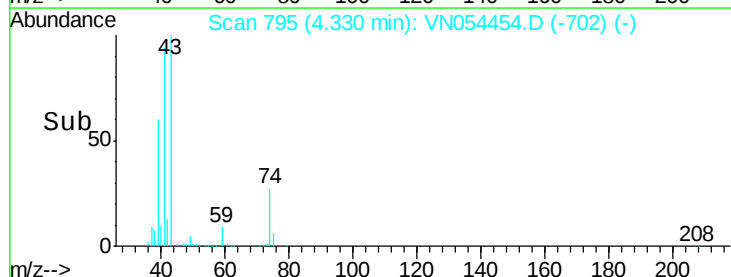
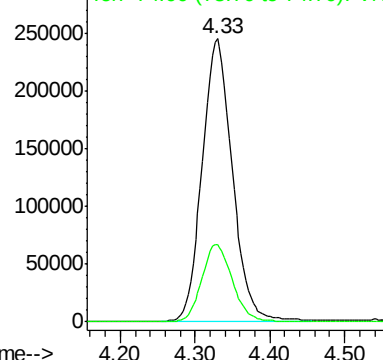
Ion Ratio Lower Upper

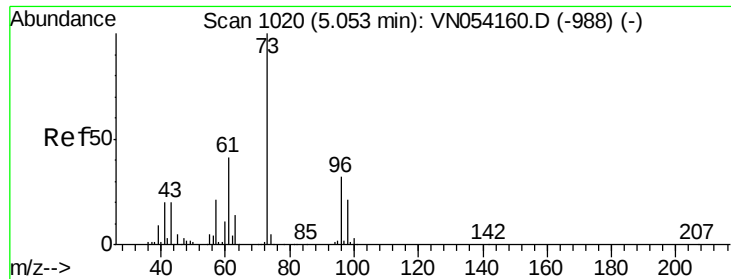
43 100

74 27.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



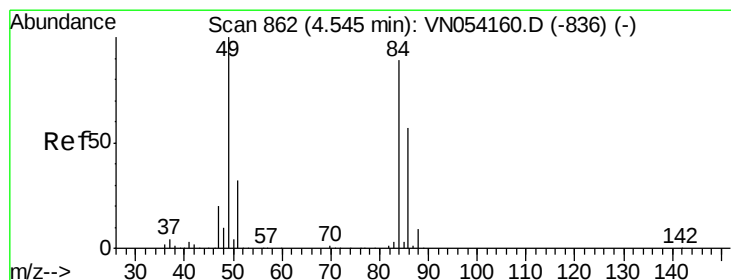
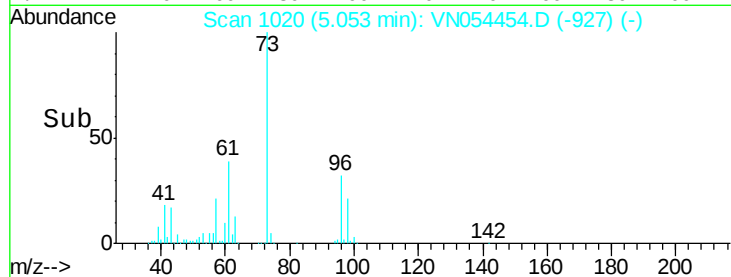
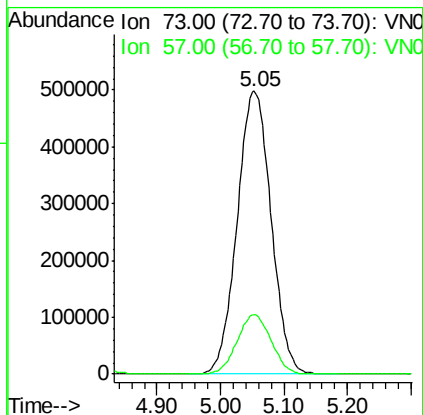
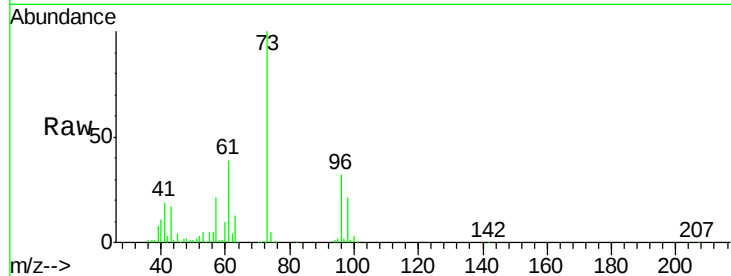


#19

Methyl tert-butyl Ether
 Concen: 53.213 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

Instrument :
 MSVOA_N
 ClientSampled :

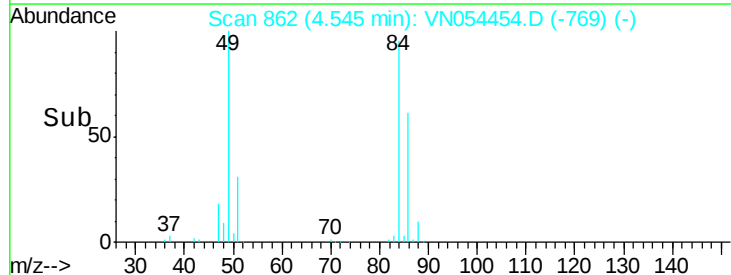
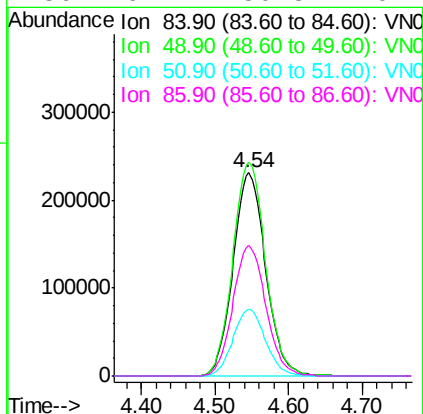
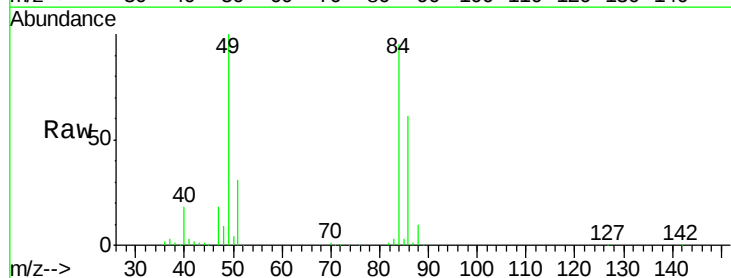
Tot Ion: 73 Resp: 1846064
 Ion Ratio Lower Upper
 73 100
 57 21.2 16.8 25.2



#20

Methylene Chloride
 Concen: 52.926 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

Tgt Ion: 84 Resp: 711917
 Ion Ratio Lower Upper
 84 100
 49 105.1 89.7 134.5
 51 33.0 28.2 42.4
 86 64.1 50.8 76.2

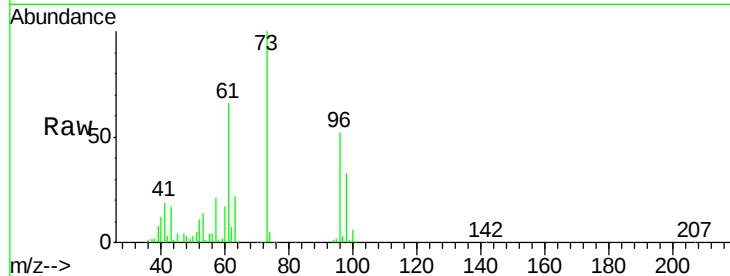




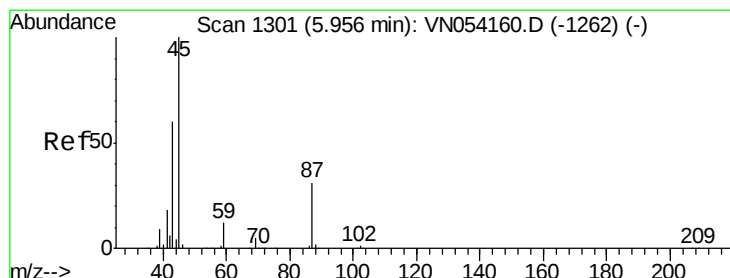
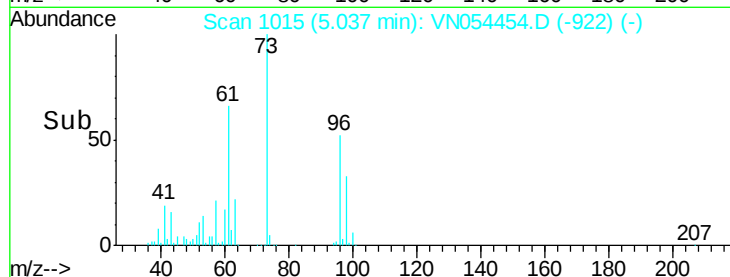
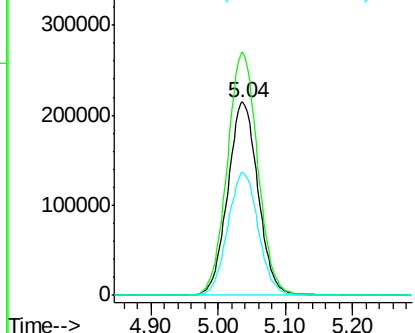
#21
trans-1,2-Dichloroethene
Concen: 50.291 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 674406
Ion Ratio Lower Upper
96 100
61 126.1 102.8 154.2
98 63.8 50.0 75.0

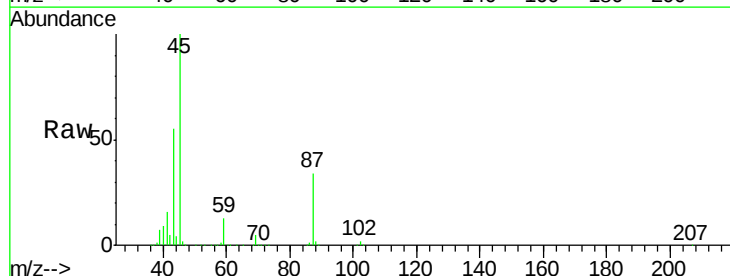


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

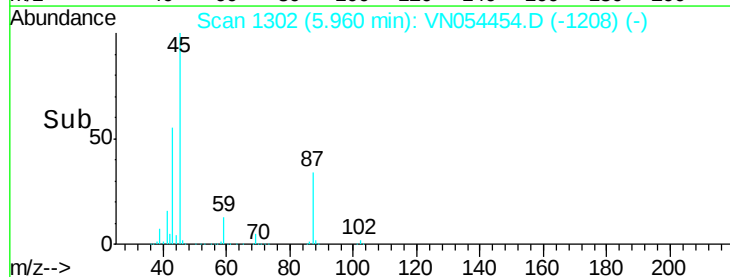
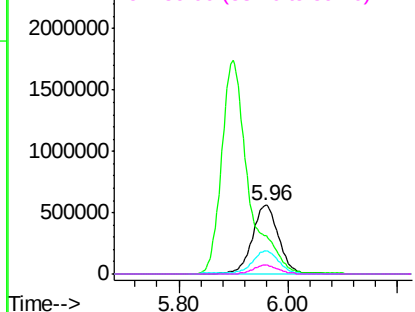


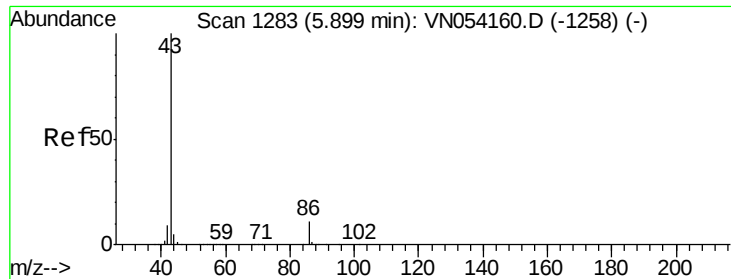
#22
Diisopropyl ether
Concen: 52.830 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 45 Resp: 1893420
Ion Ratio Lower Upper
45 100
43 55.1 48.2 72.2
87 33.6 24.9 37.3
59 12.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 224.990 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

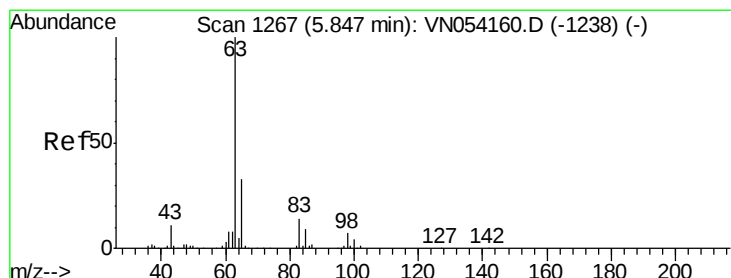
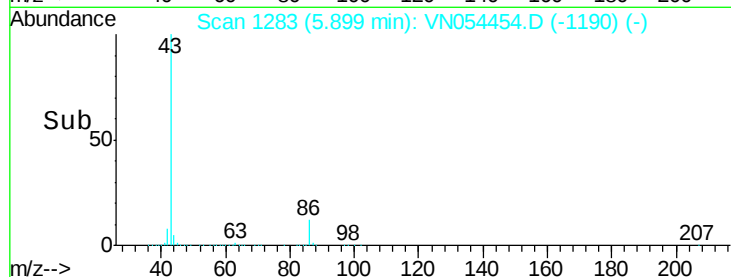
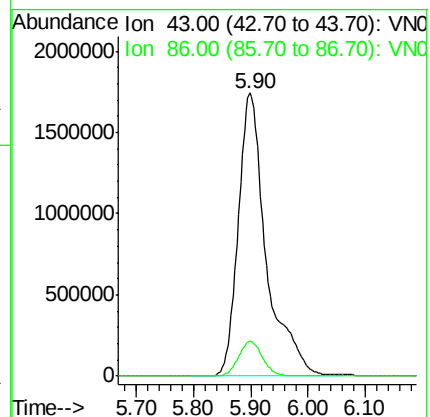
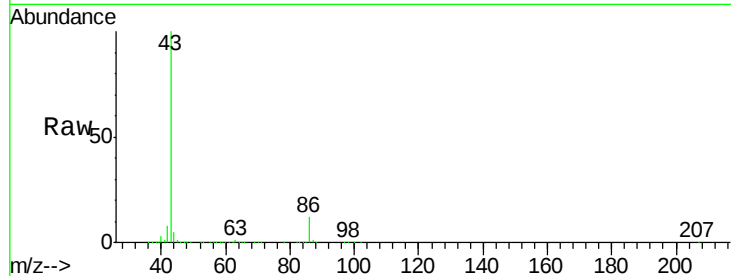
Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5945371

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.1	13.7



#24

1,1-Dichloroethane

Concen: 52.074 ug/l

RT: 5.85 min Scan# 1267

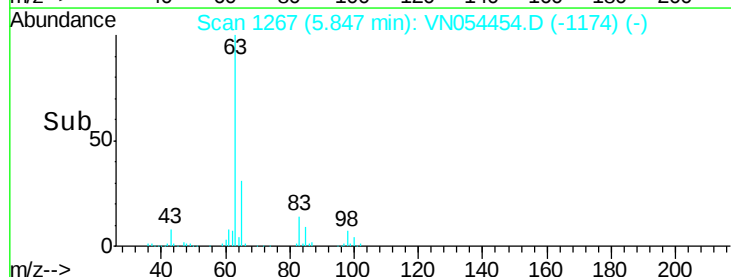
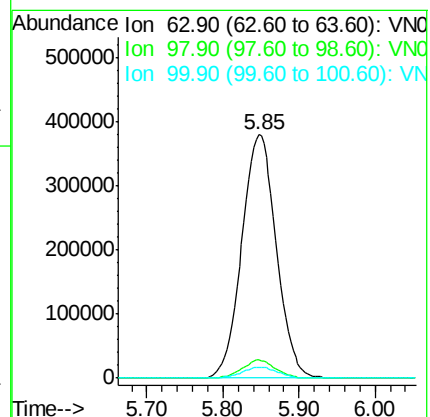
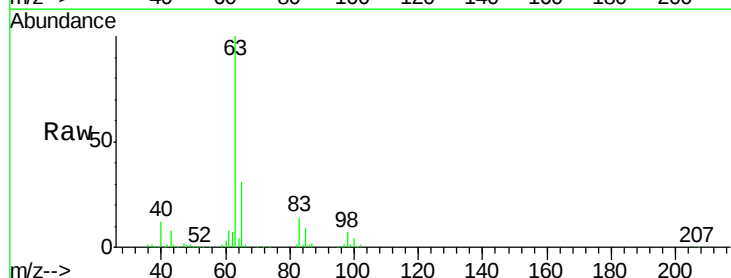
Delta R.T. 0.00 min

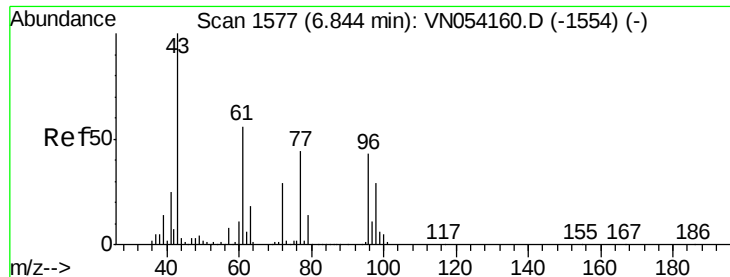
Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Tgt Ion: 63 Resp: 1198343

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.5	2.0	6.0





#25

2-Butanone

Concen: 246.932 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

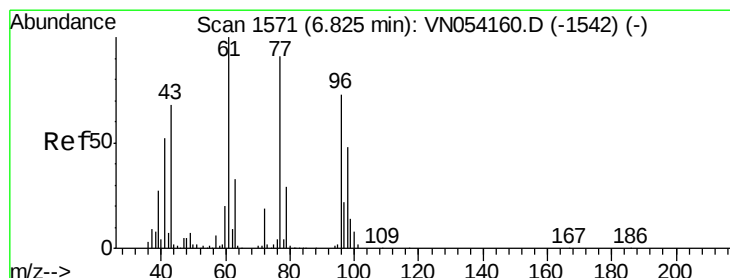
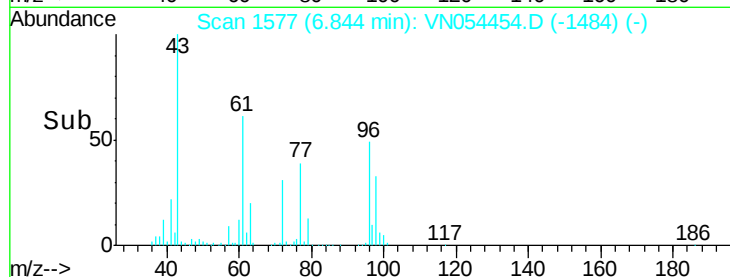
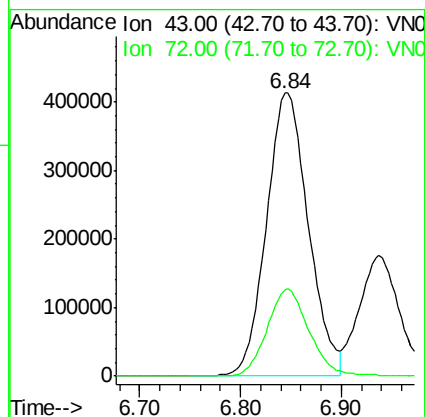
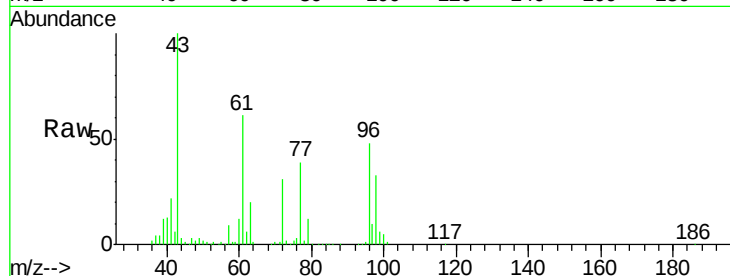
ClientSampleId :

Tot Ion: 43 Resp: 1187278

Ion Ratio Lower Upper

43 100

72 30.7 23.0 34.6



#26

2,2-Dichloropropane

Concen: 38.138 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054454.D

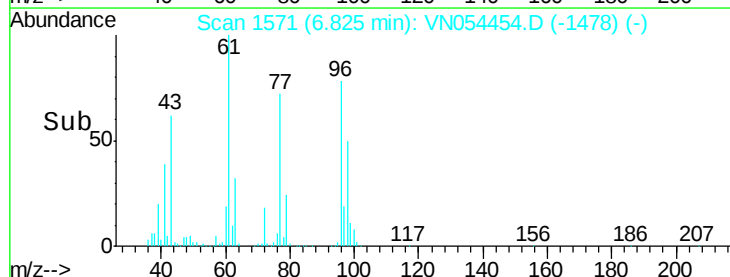
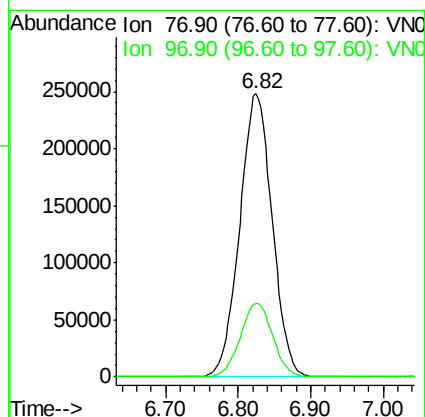
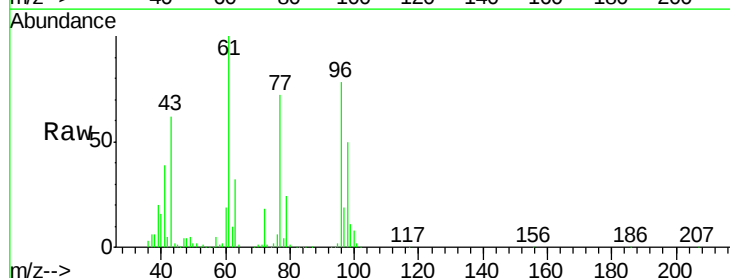
Acq: 19 Mar 2019 21:34

Tgt Ion: 77 Resp: 771793

Ion Ratio Lower Upper

77 100

97 26.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampleId :

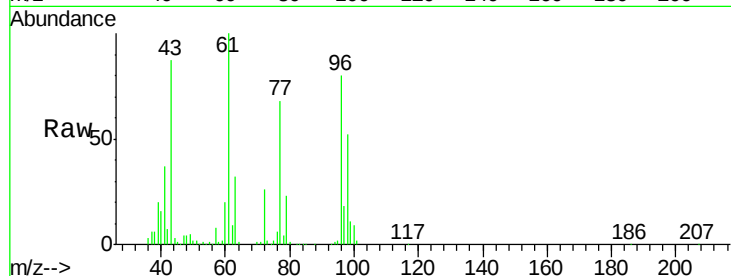
Tot Ion: 96 Resp: 796752

Ion Ratio Lower Upper

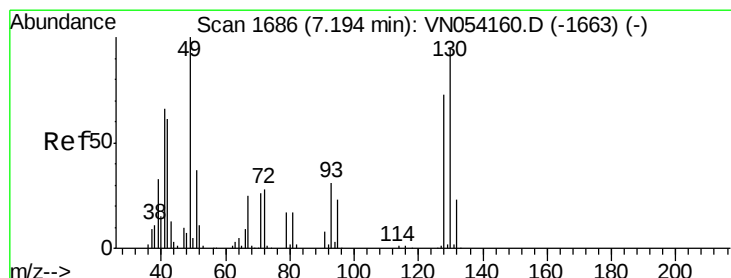
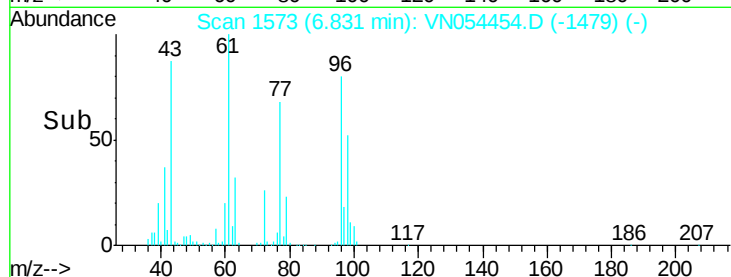
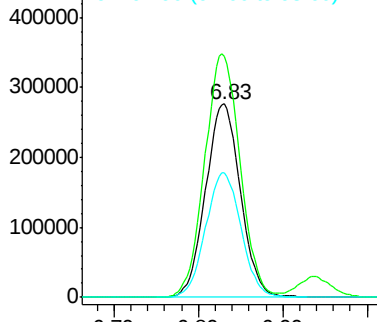
96 100

61 127.7 0.0 273.0

98 65.3 0.0 130.6



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



#28

Bromochloromethane

Concen: 50.606 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

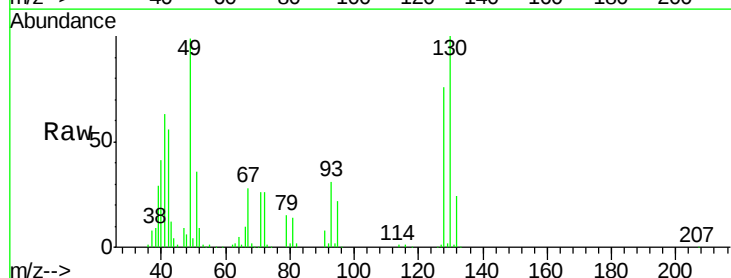
Tgt Ion: 49 Resp: 476087

Ion Ratio Lower Upper

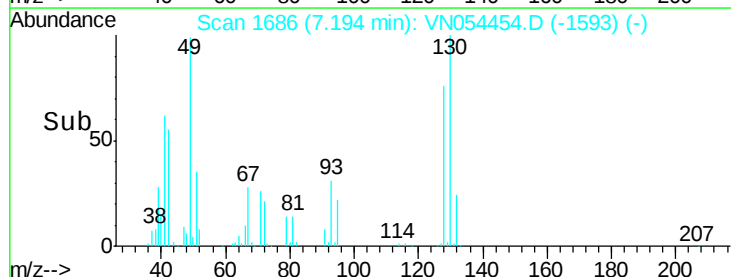
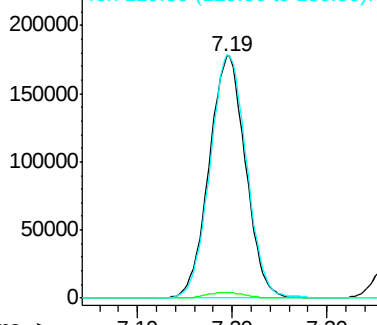
49 100

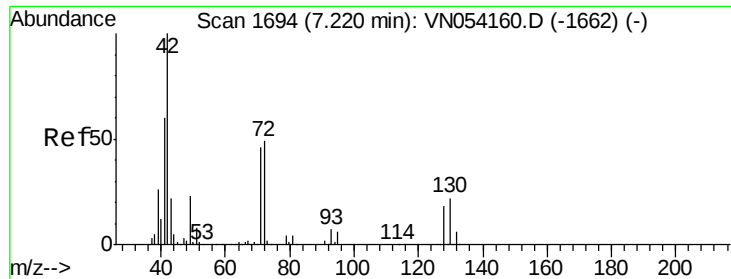
129 2.4 0.0 4.6

130 100.7 76.7 115.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

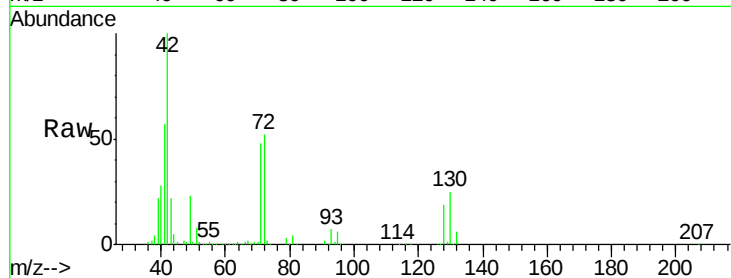




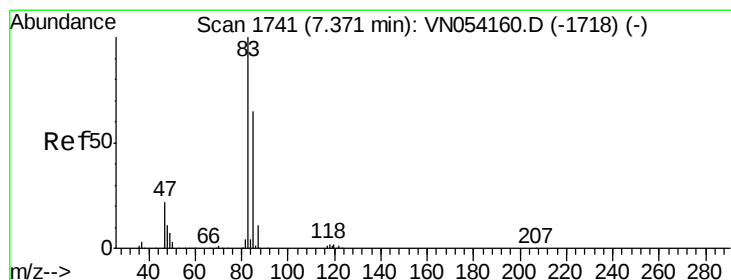
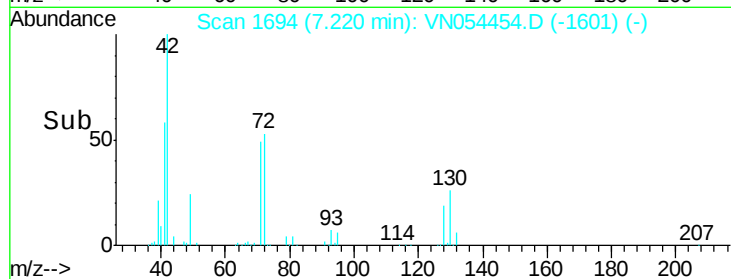
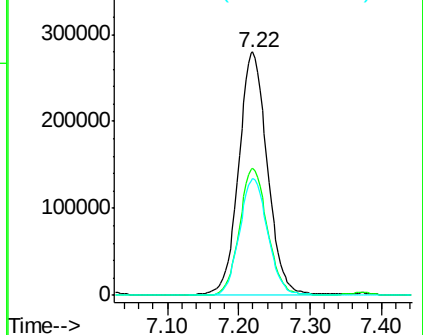
#29
Tetrahydrofuran
Concen: 252.019 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 779101
Ion Ratio Lower Upper
42 100
72 51.3 37.8 56.6
71 47.8 36.2 54.2

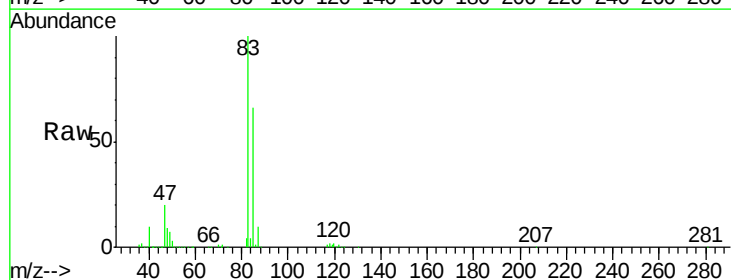


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

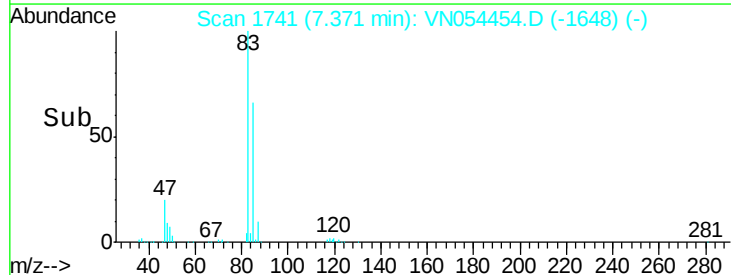
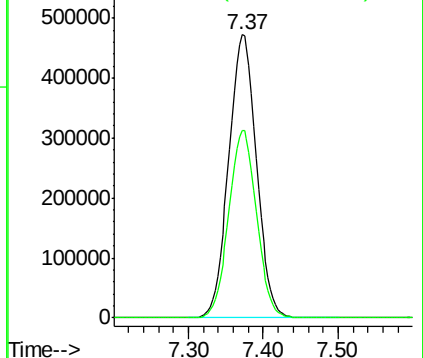


#30
Chloroform
Concen: 50.874 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 83 Resp: 1221638
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4



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

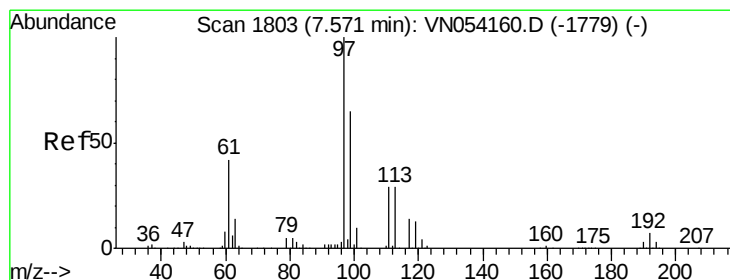
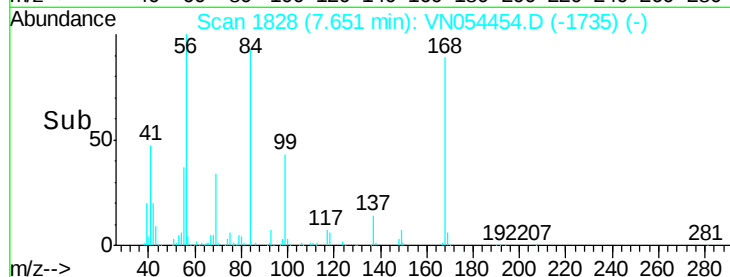
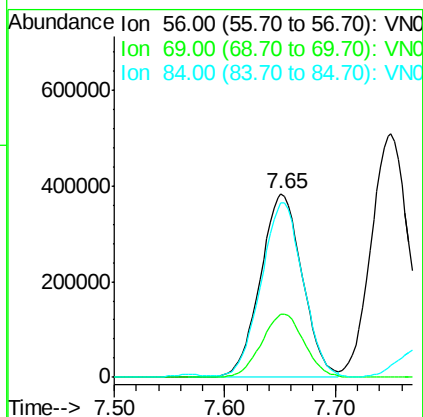
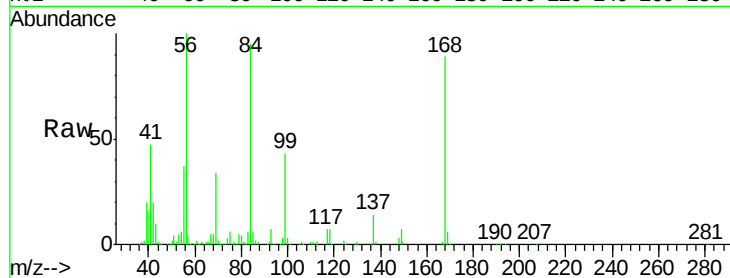




#31
Cyclohexane
Concen: 47.002 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

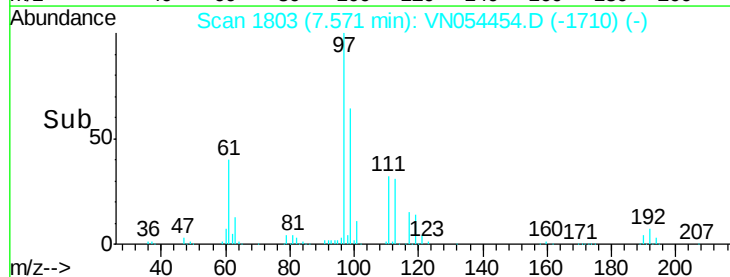
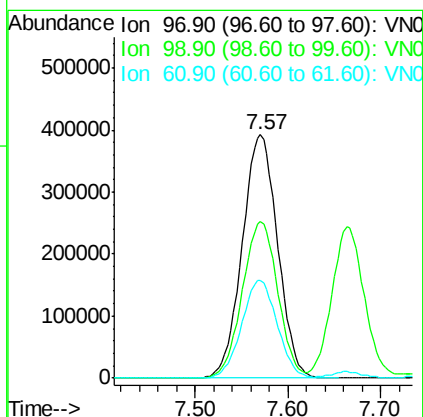
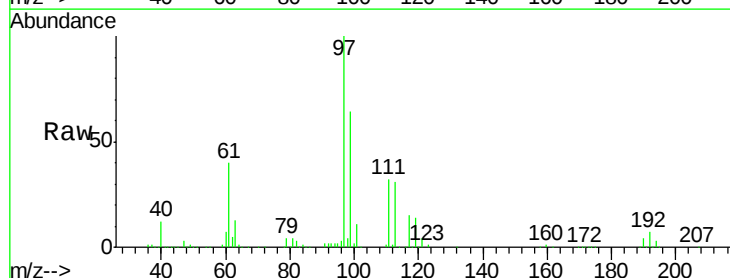
Instrument :
MSVOA_N
ClientSampleId :

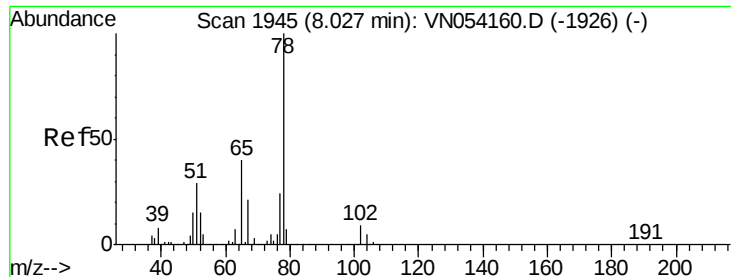
Tot Ion: 56 Resp: 1012806
Ion Ratio Lower Upper
56 100
69 34.1 27.8 41.6
84 93.6 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 47.877 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 97 Resp: 1038301
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 40.2 33.6 50.4

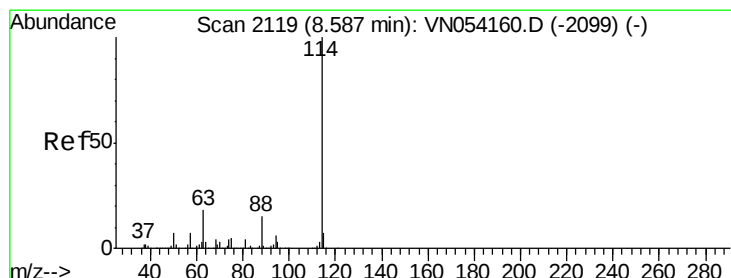
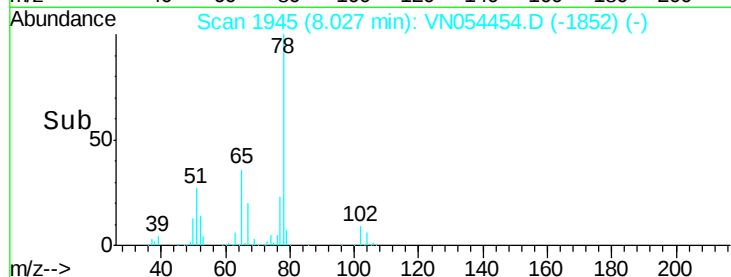
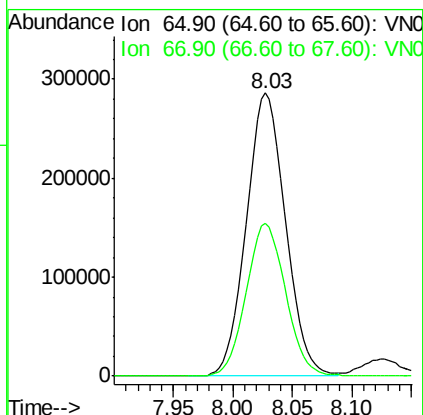
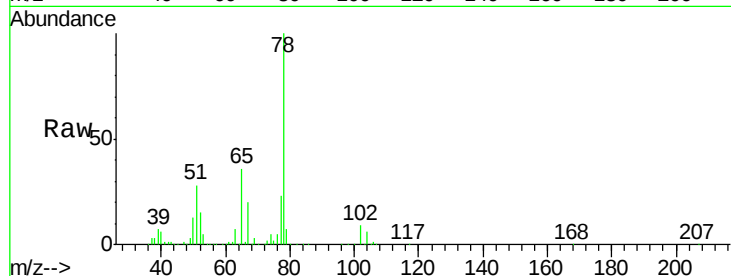




#33
 1,2-Dichloroethane-d4
 Concen: 45.713 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

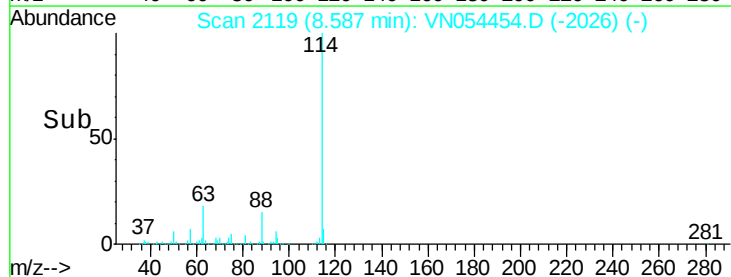
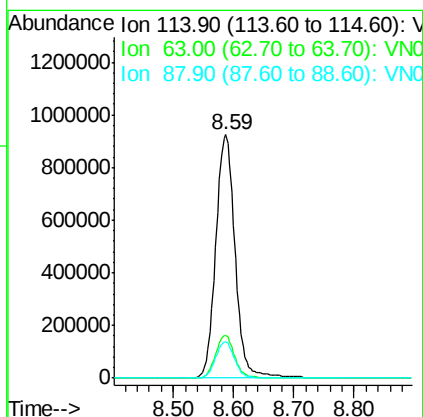
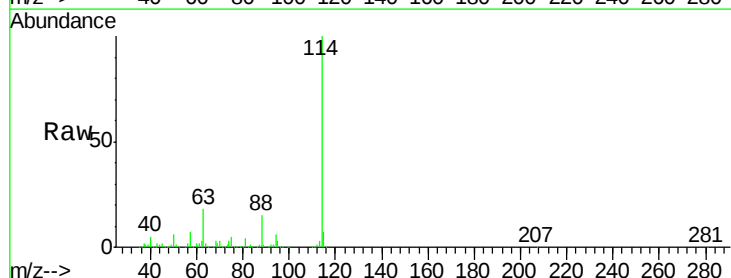
Instrument :
 MSVOA_N
 ClientSampleId :

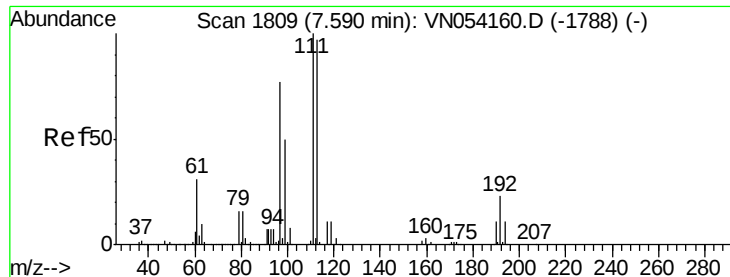
Tot Ion: 65 Resp: 654045
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

Tgt Ion: 114 Resp: 2022610
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 15.0 0.0 30.2

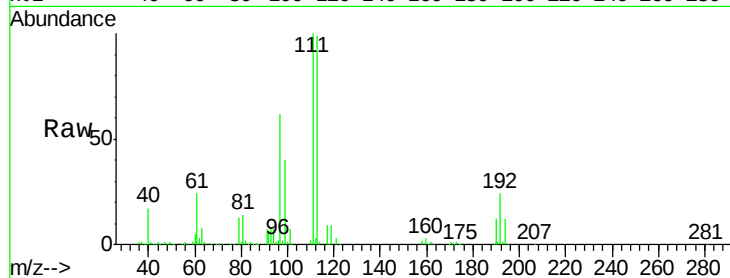




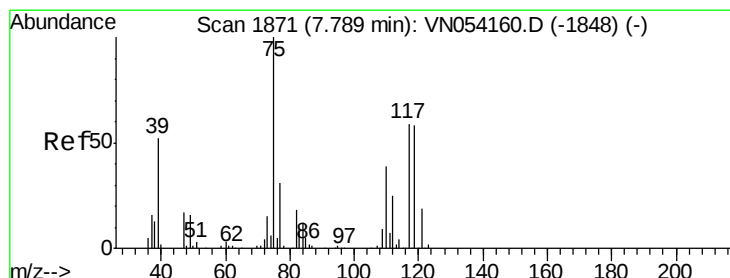
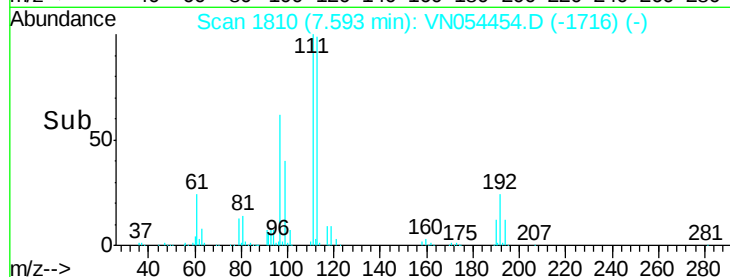
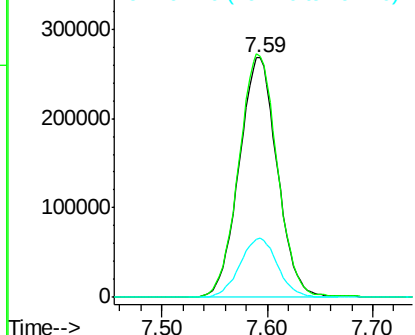
#35
Dibromofluoromethane
Concen: 51.523 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 672116
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 24.4 19.2 28.8

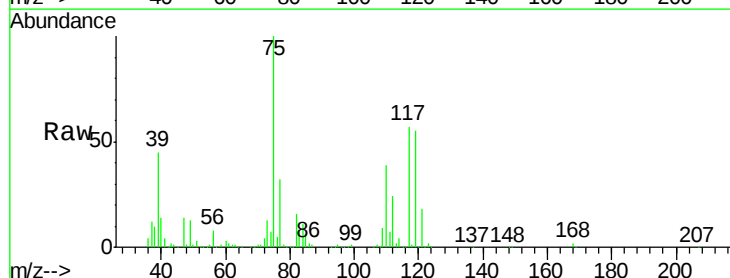


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

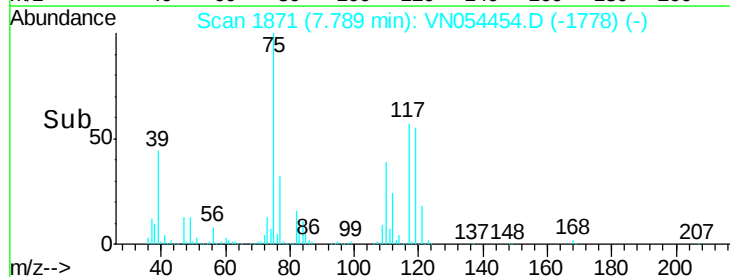
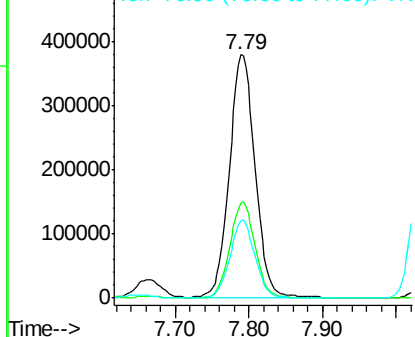


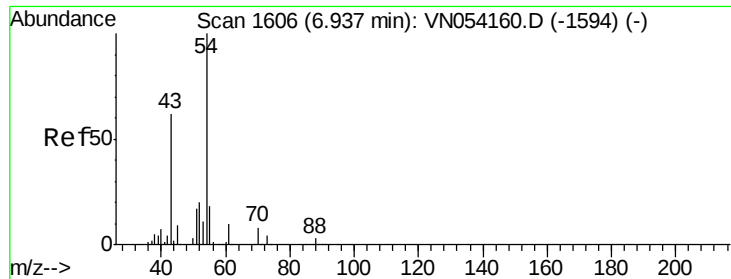
#36
1,1-Dichloropropene
Concen: 49.199 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 75 Resp: 916402
Ion Ratio Lower Upper
75 100
110 38.9 19.1 57.5
77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

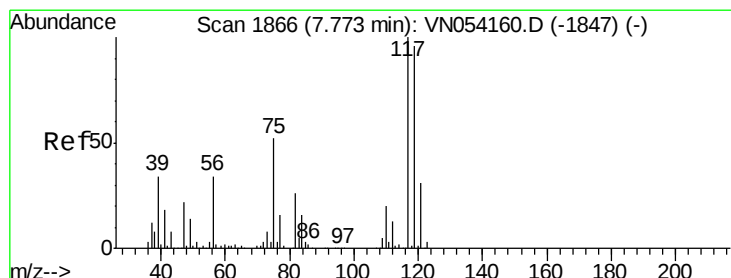
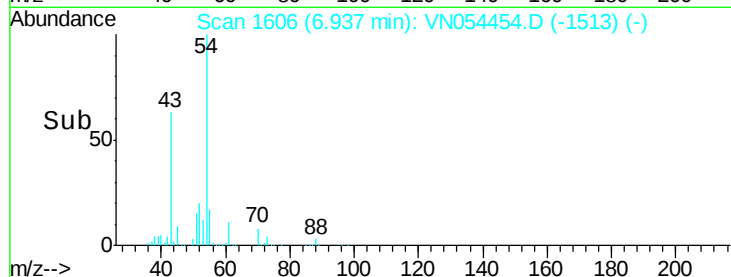
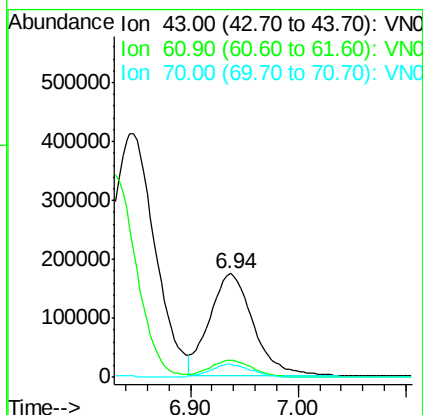
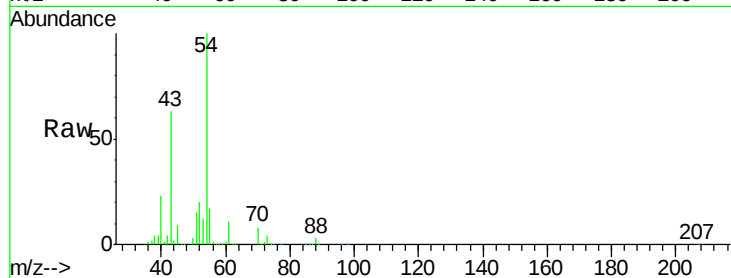




#37
Ethyl Acetate
Concen: 45.885 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

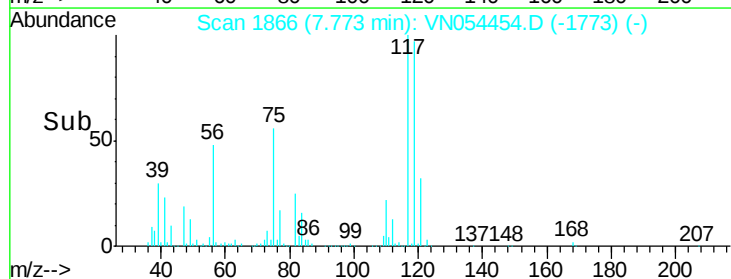
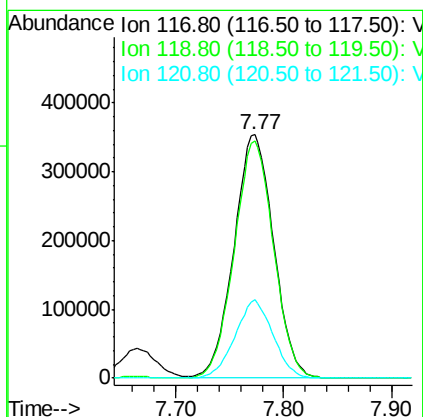
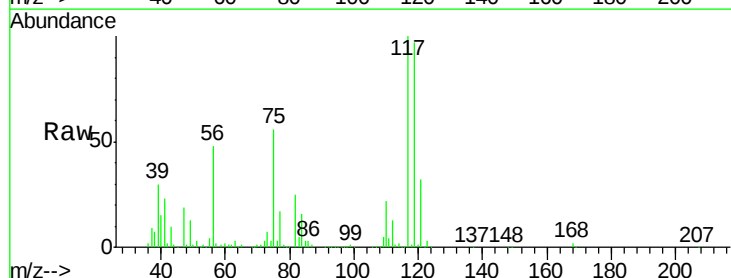
Instrument :
MSVOA_N
ClientSampled :

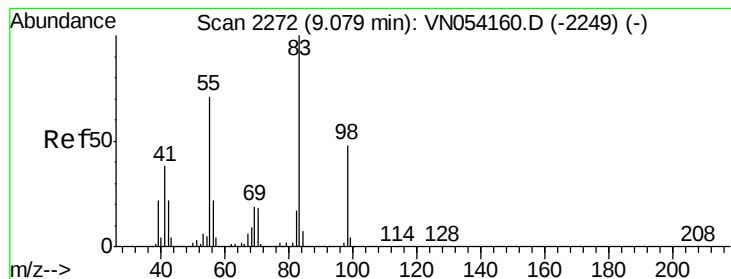
Tot Ion: 43 Resp: 491088
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 11.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.265 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 117 Resp: 903712
Ion Ratio Lower Upper
117 100
119 97.4 76.3 114.5
121 32.0 24.6 36.8





#39

Methvlcvclohexane

Concen: 43.763 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

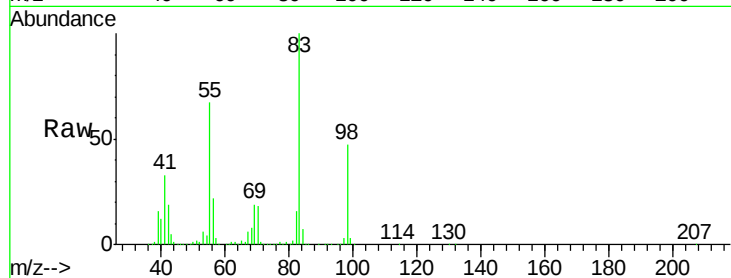
Tot Ion: 83 Resp: 1002950

Ion Ratio Lower Upper

83 100

55 66.8 56.6 84.8

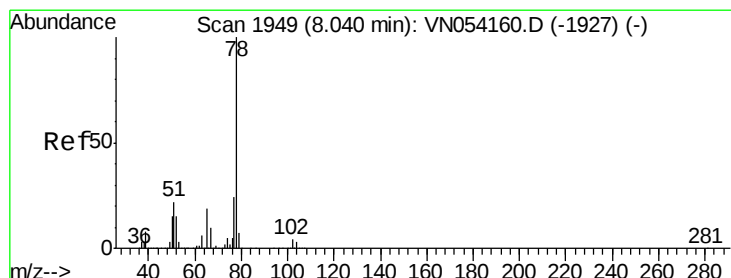
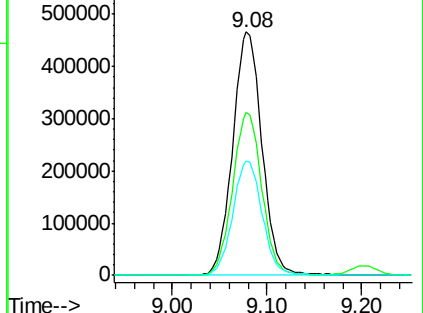
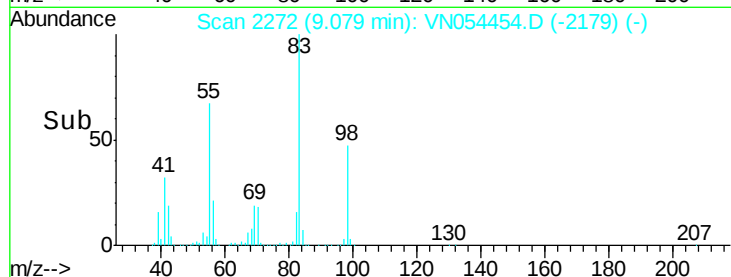
98 47.0 38.4 57.6



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: 53.064 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054454.D

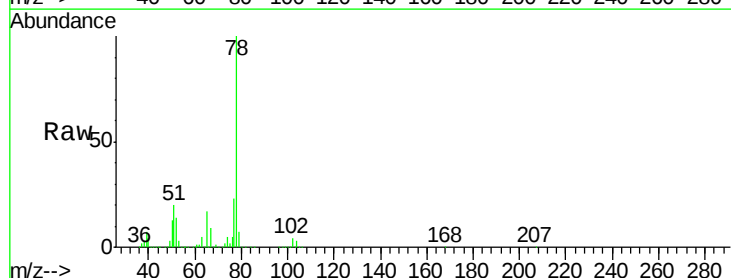
Acq: 19 Mar 2019 21:34

Tgt Ion: 78 Resp: 2828409

Ion Ratio Lower Upper

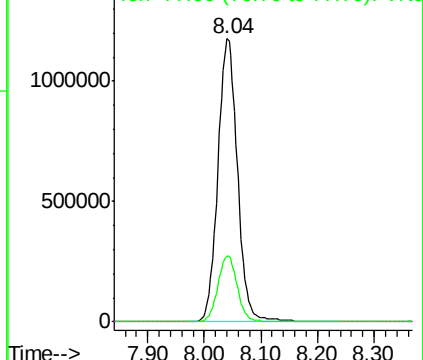
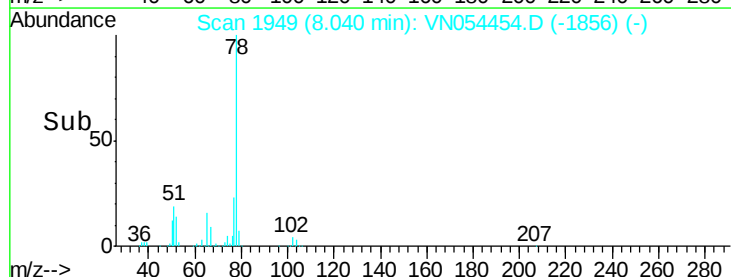
78 100

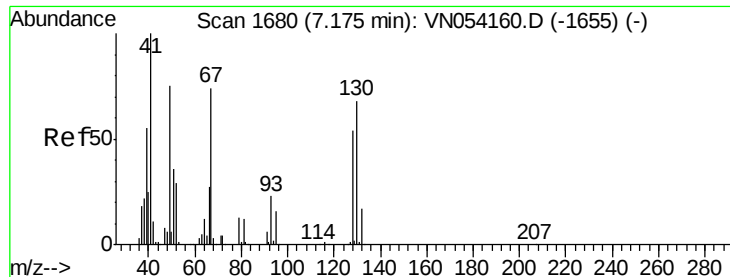
77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

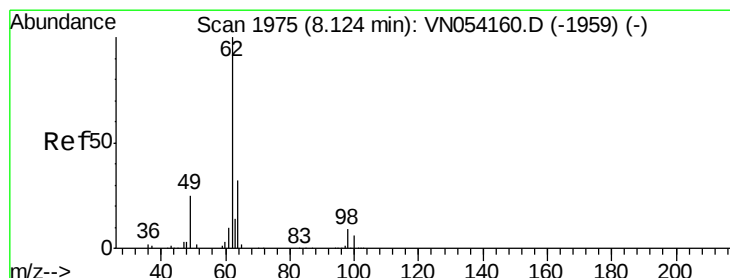
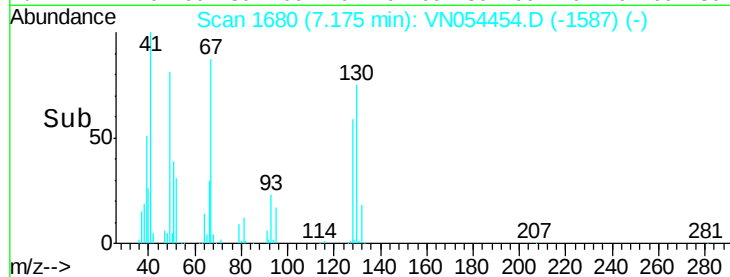
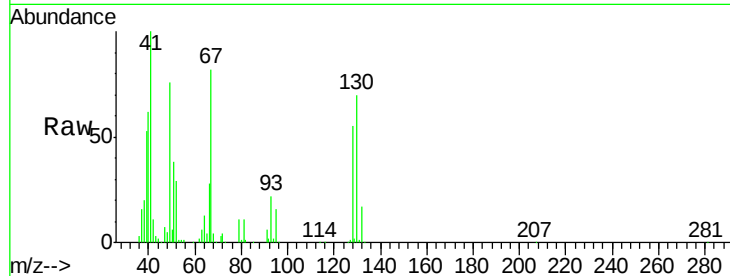
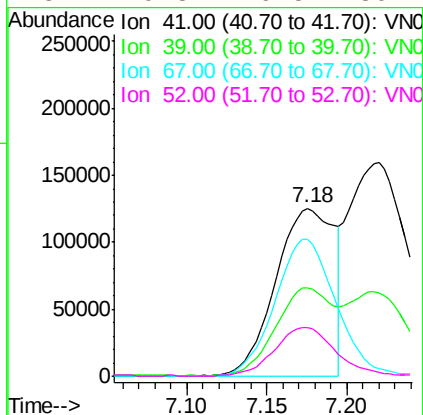




#41
Methacrylonitrile
Concen: 52.228 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

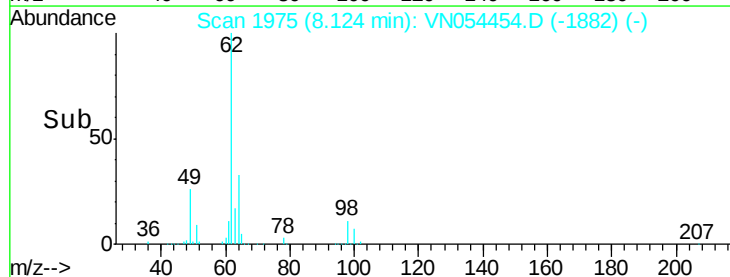
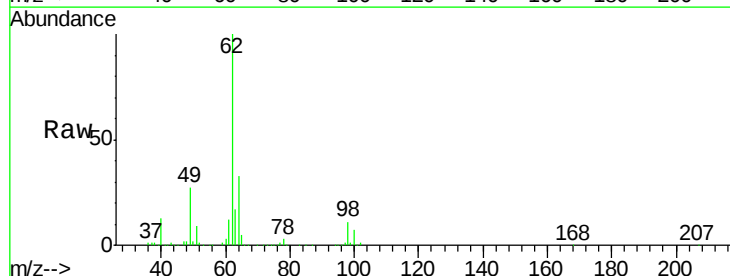
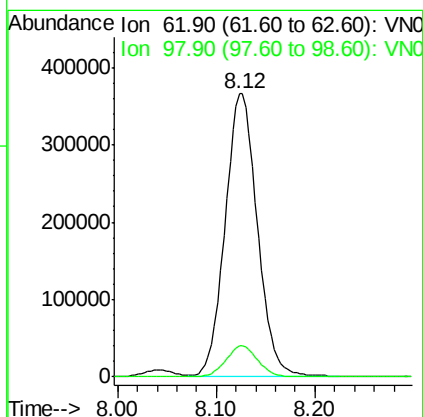
Instrument :
MSVOA_N
ClientSampled :

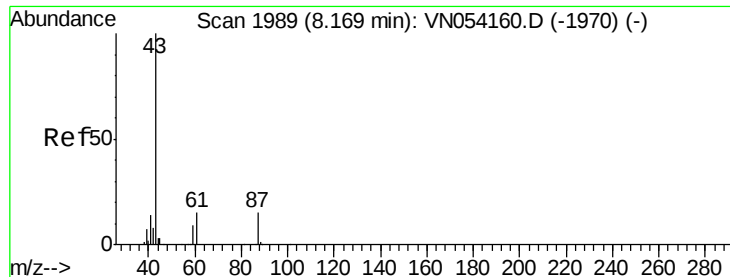
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNO	100		
39	39.00 (38.70 to 39.70): VNO	50.6	46.8	70.2
67	67.00 (66.70 to 67.70): VNO	85.8	67.0	100.4
52	52.00 (51.70 to 52.70): VNO	29.8	26.5	39.7



#42
1,2-Dichloroethane
Concen: 46.292 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	61.90 (61.60 to 62.60): VNO	100		
98	97.90 (97.60 to 98.60): VNO	10.9	0.0	18.4





#43

Isopropyl Acetate

Concen: 46.730 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

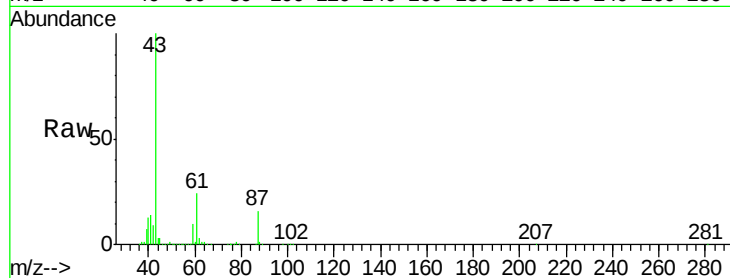
Tot Ion: 43 Resp: 877863

Ion Ratio Lower Upper

43 100

61 22.9 15.8 23.8

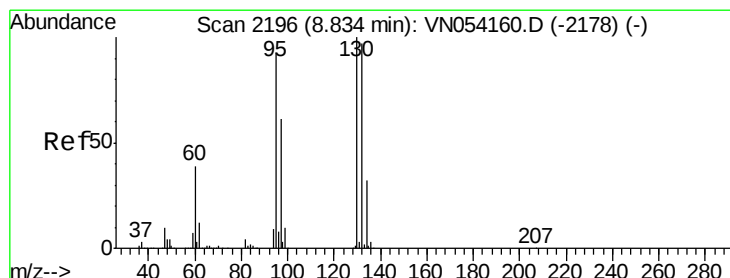
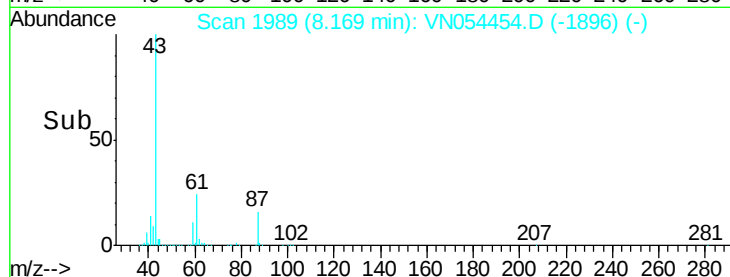
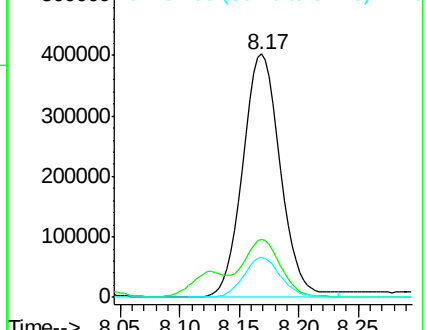
87 16.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 49.772 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054454.D

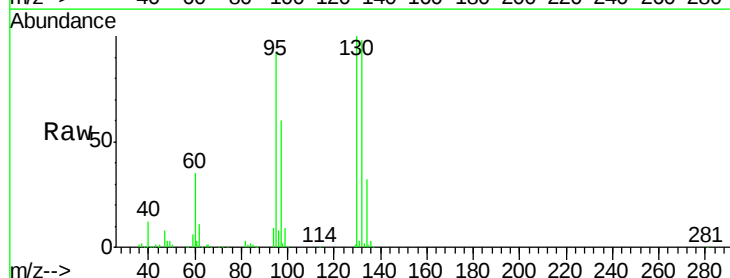
Acq: 19 Mar 2019 21:34

Tgt Ion: 130 Resp: 824129

Ion Ratio Lower Upper

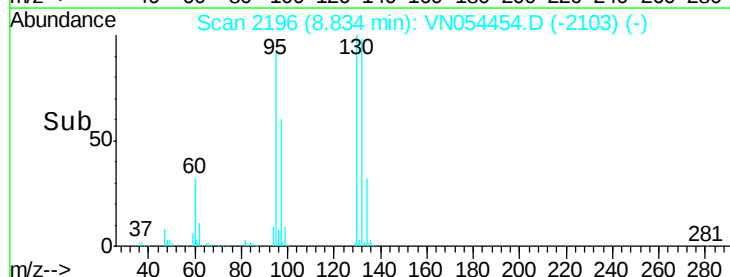
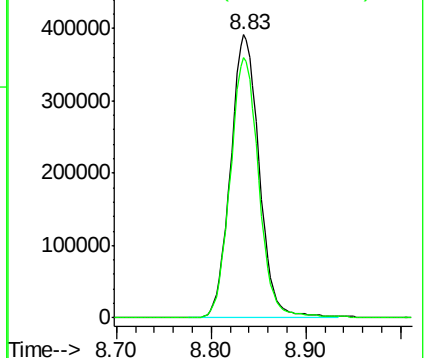
130 100

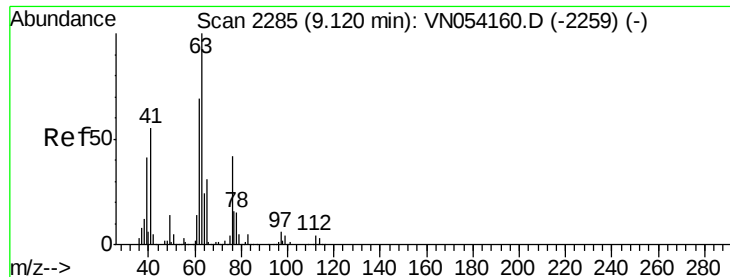
95 92.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

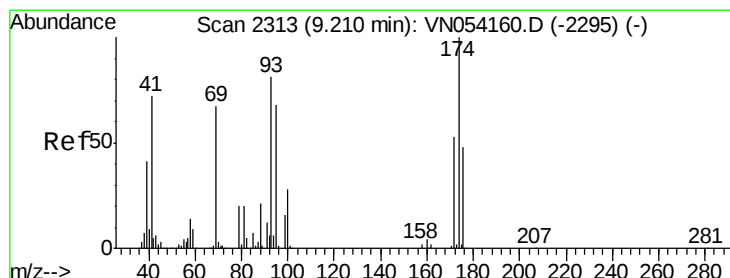
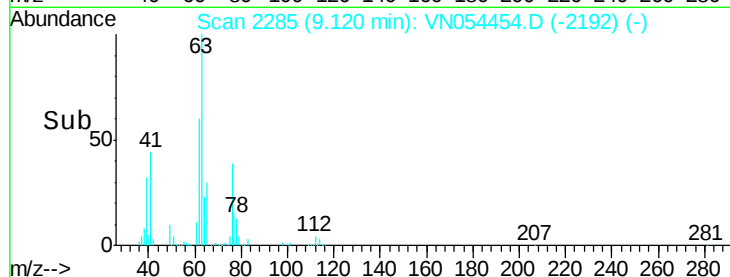
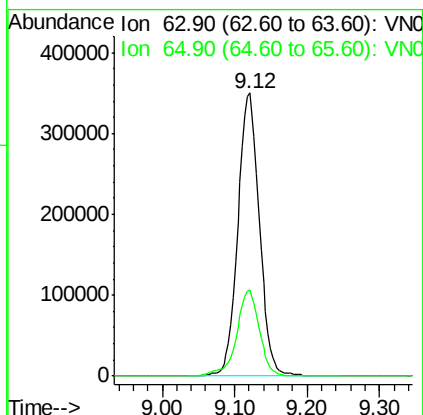
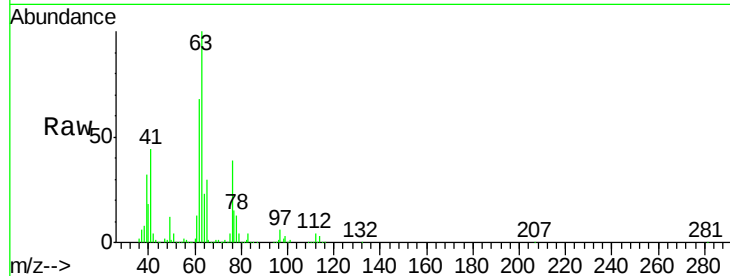




#45
 1,2-Dichloropropane
 Concen: 54.785 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

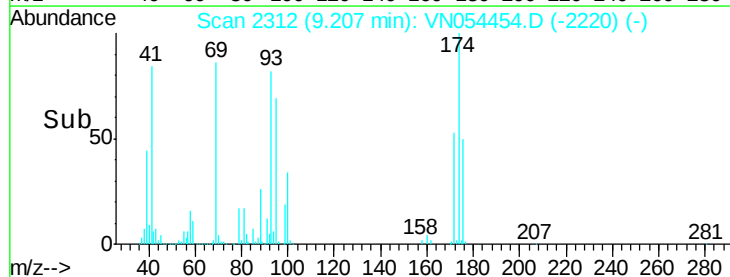
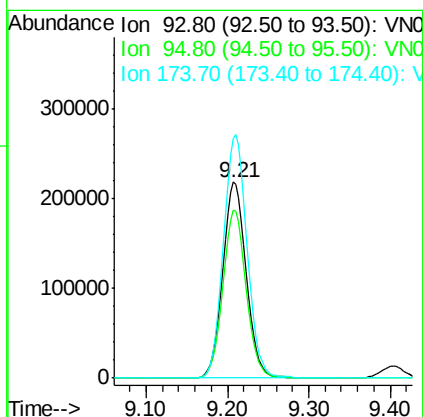
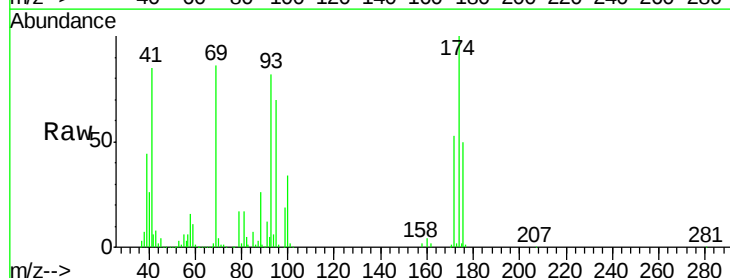
Instrument :
 MSVOA_N
 ClientSampleId :

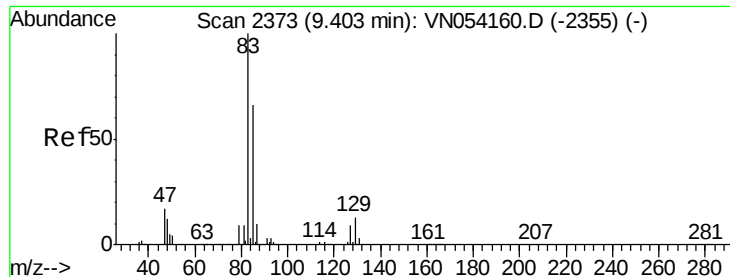
Tot Ion: 63 Resp: 725101
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 49.897 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054454.D
 Acq: 19 Mar 2019 21:34

Tgt Ion: 93 Resp: 446204
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 124.6 98.5 147.7





#47

Bromodichloromethane

Concen: 50.366 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

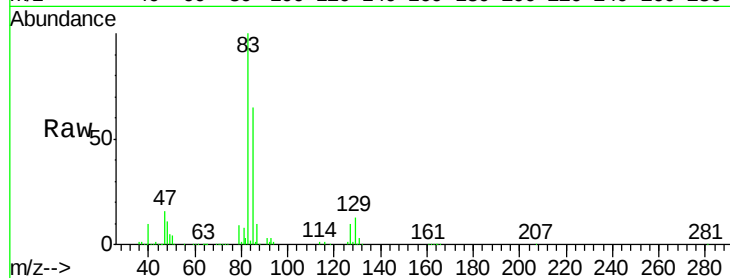
Tot Ion: 83 Resp: 902936

Ion Ratio Lower Upper

83 100

85 64.9 52.8 79.2

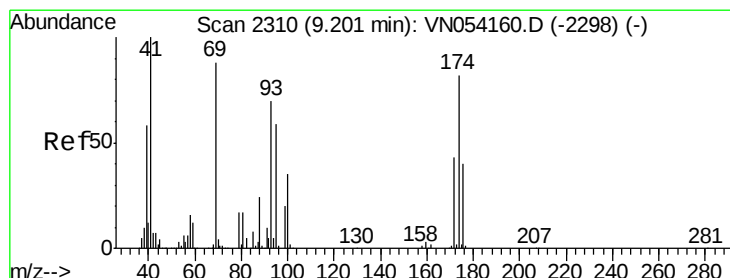
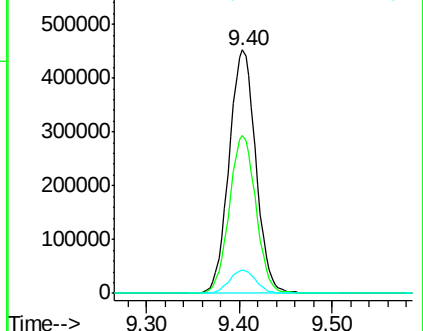
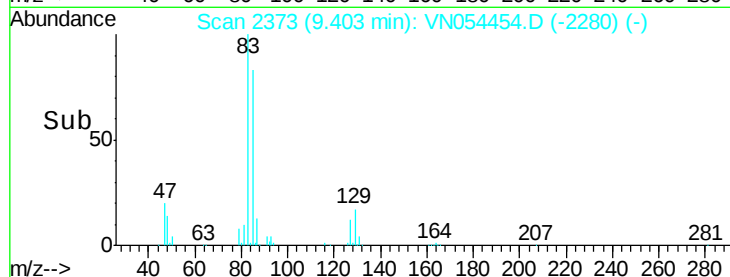
127 9.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054454.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054454.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054454.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.968 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

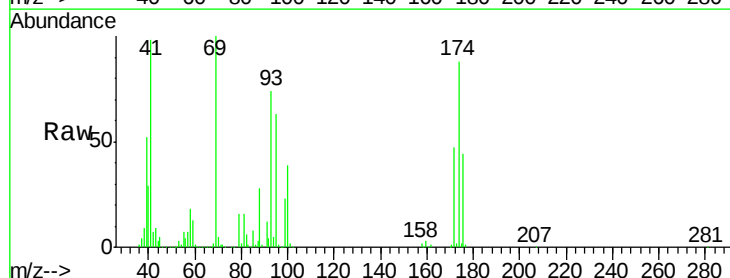
Tgt Ion: 41 Resp: 476378

Ion Ratio Lower Upper

41 100

69 102.2 72.6 108.8

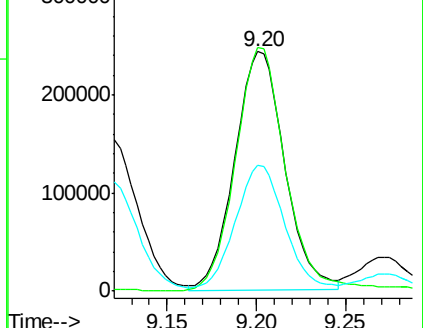
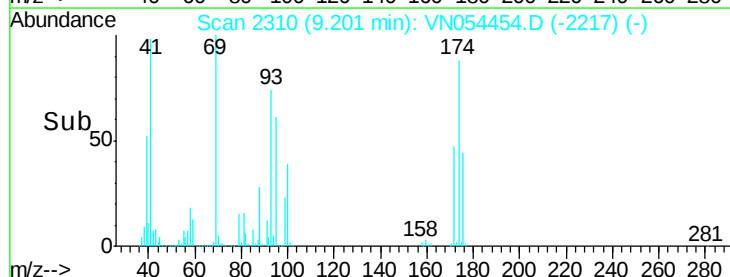
39 52.4 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054454.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054454.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054454.D (-2217) (-)

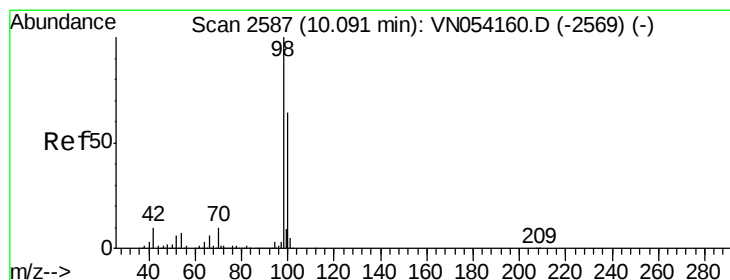
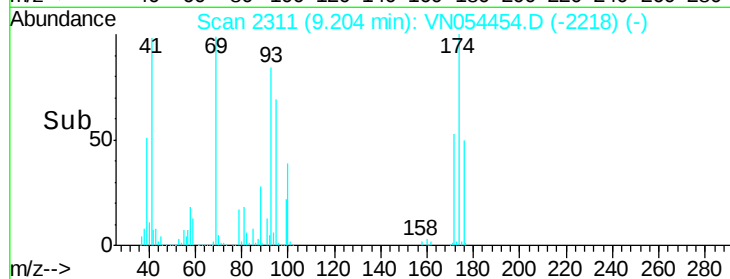
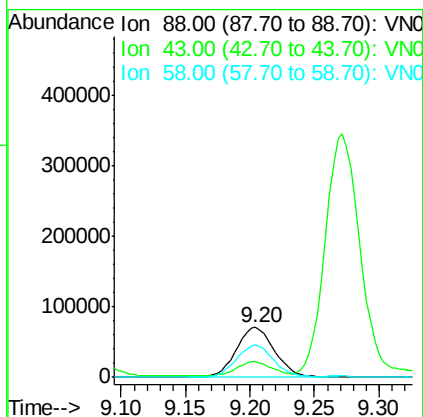
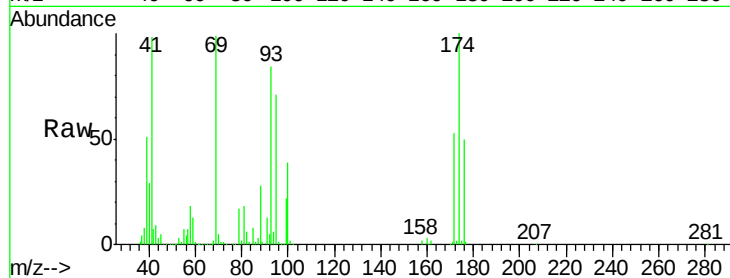




#49
1,4-Dioxane
Concen: 1092.761 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

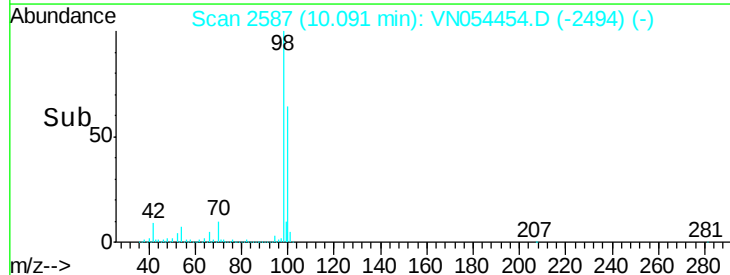
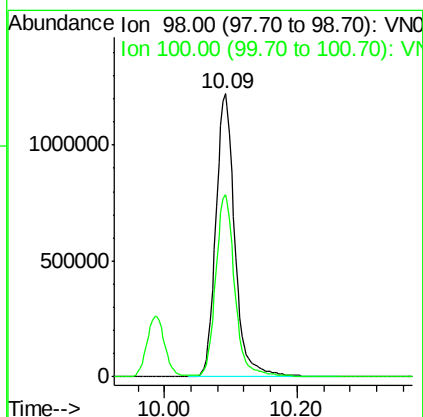
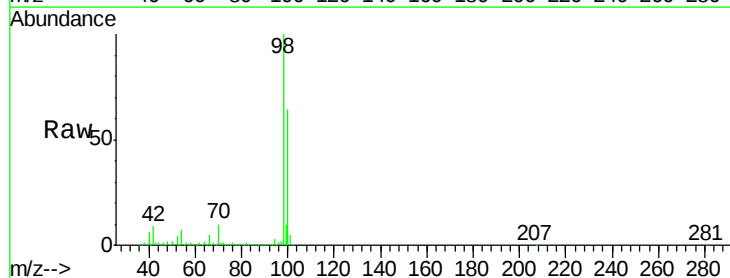
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 147360
Ion Ratio Lower Upper
88 100
43 26.1 24.1 36.1
58 63.4 50.8 76.2



#50
Toluene-d8
Concen: 50.528 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 98 Resp: 2434315
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 265.953 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

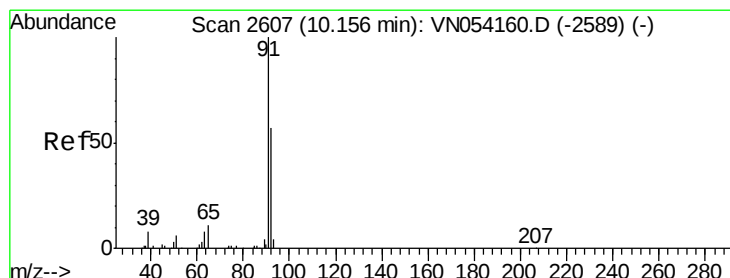
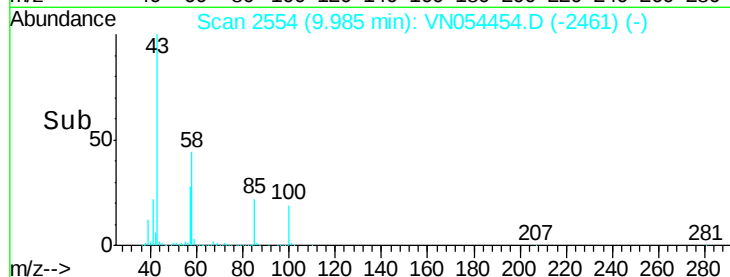
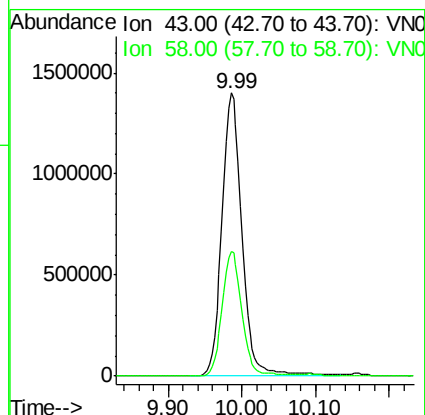
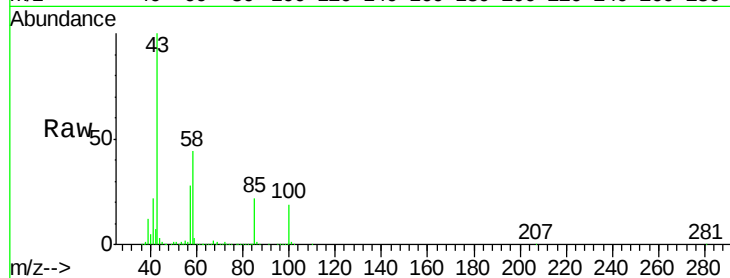
ClientSampleId :

Tot Ion: 43 Resp: 2644015

Ion Ratio Lower Upper

43 100

58 43.7 31.8 47.6



#52

Toluene

Concen: 52.729 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054454.D

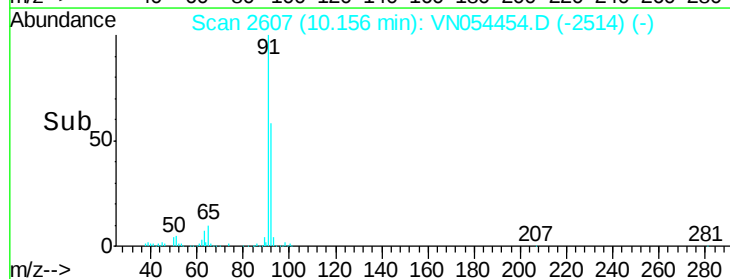
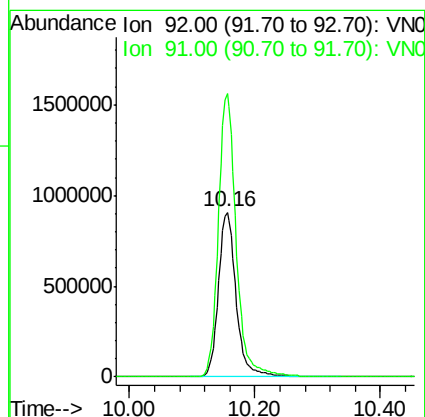
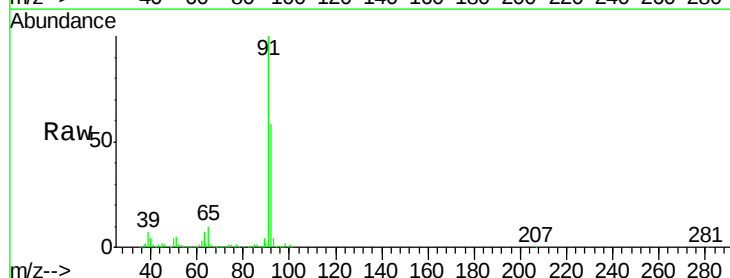
Acq: 19 Mar 2019 21:34

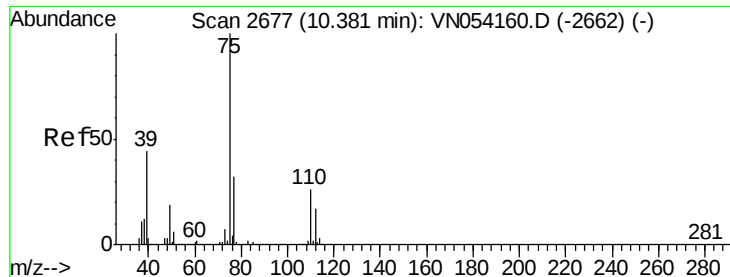
Tgt Ion: 92 Resp: 1782061

Ion Ratio Lower Upper

92 100

91 173.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 42.836 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

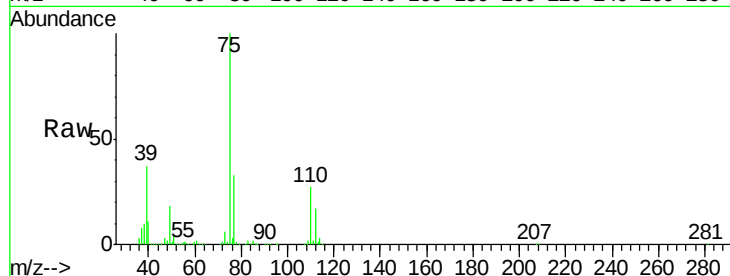
ClientSampled :

Tot Ion: 75 Resp: 872266

Ion Ratio Lower Upper

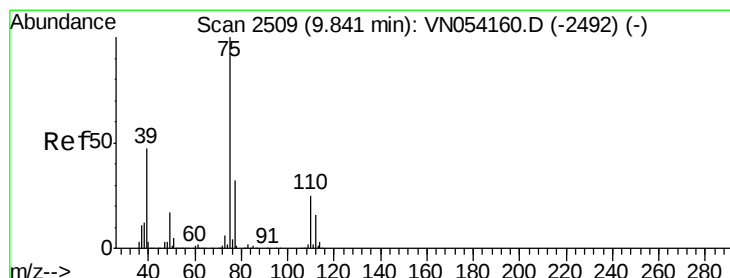
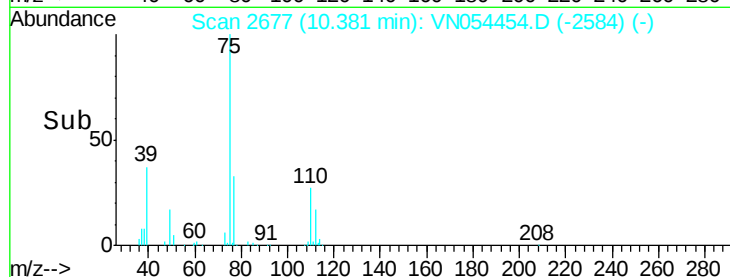
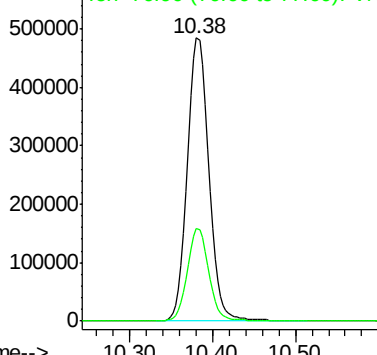
75 100

77 32.5 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC



#54

cis-1,3-Dichloropropene

Concen: 50.541 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

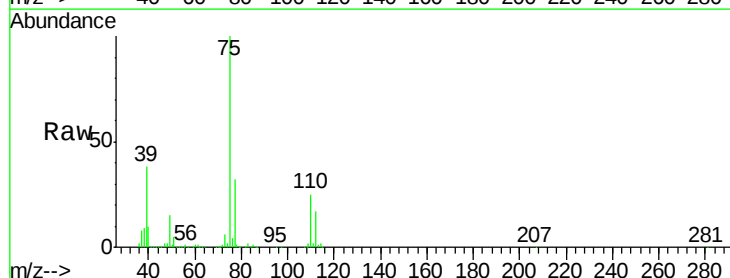
Tgt Ion: 75 Resp: 1055865

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

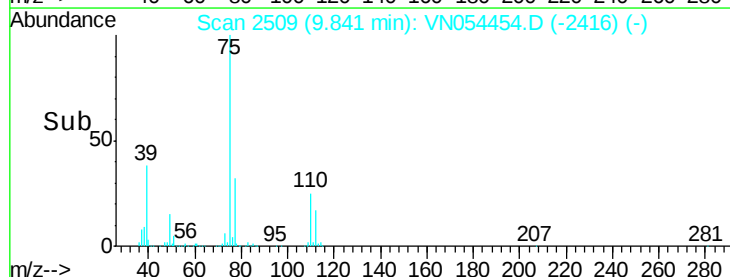
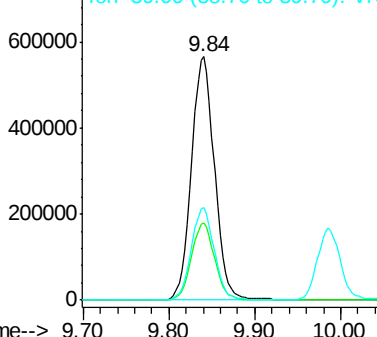
39 37.8 37.2 55.8

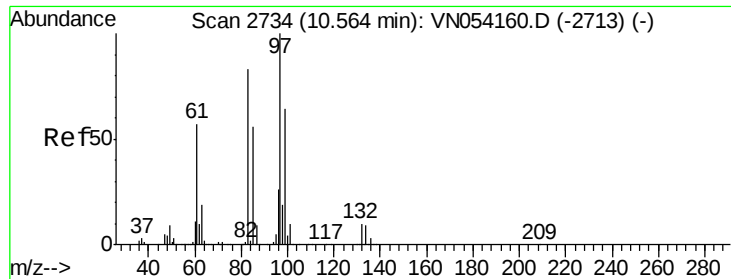


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC





#55

1,1,2-Trichloroethane

Concen: 53.660 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 662196

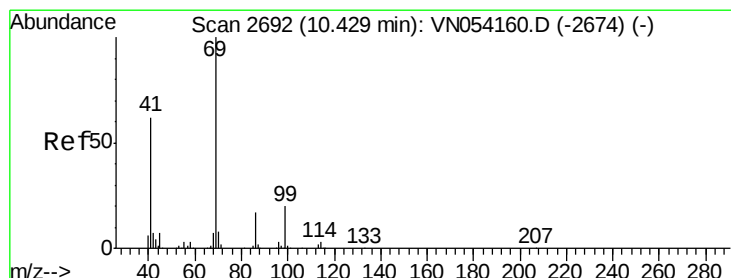
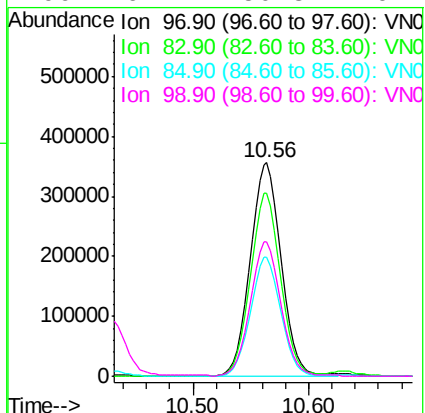
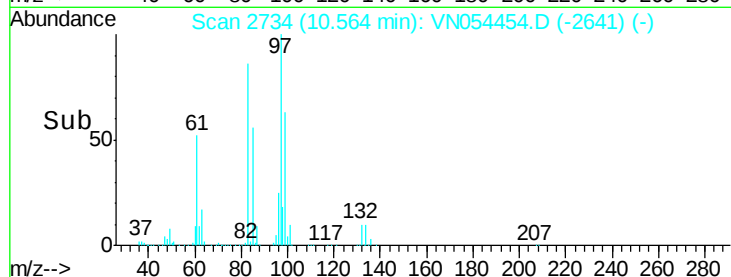
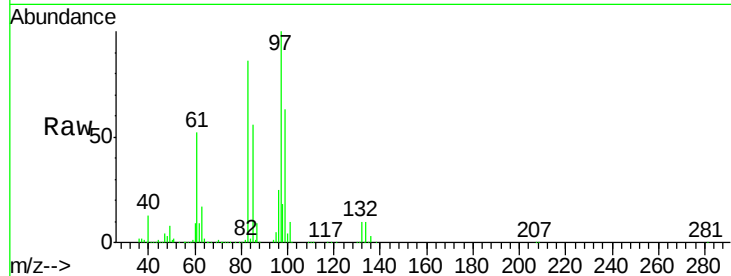
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.6	100.0
85	55.7	44.4	66.6
99	62.4	50.8	76.2

97 100

83 86.0 66.6 100.0

85 55.7 44.4 66.6

99 62.4 50.8 76.2



#56

Ethyl methacrylate

Concen: 56.026 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

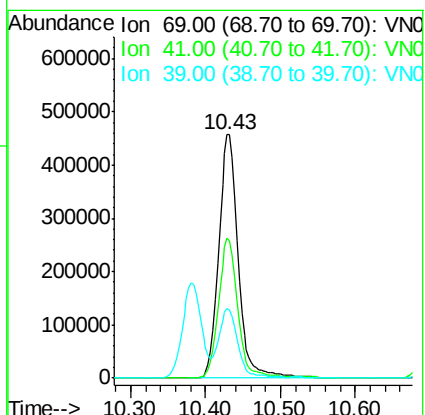
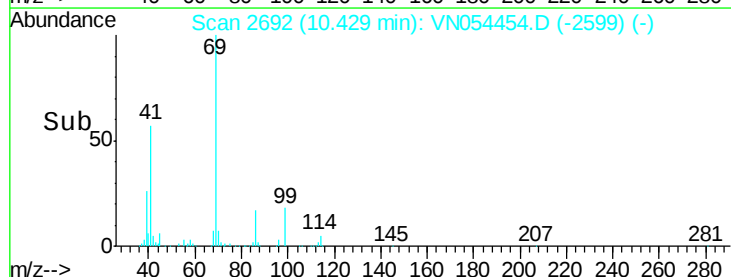
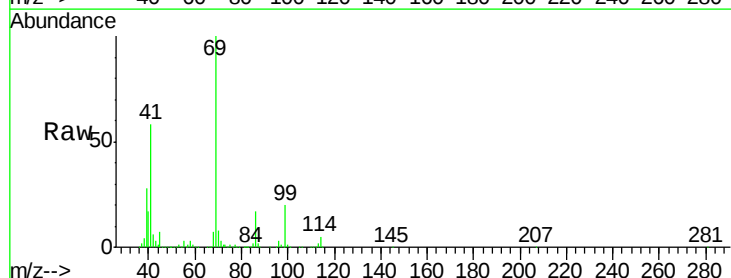
Tgt Ion: 69 Resp: 824392

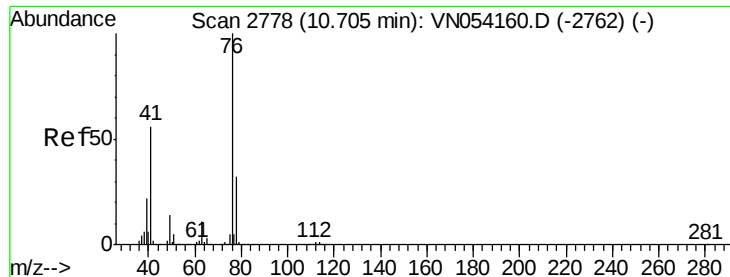
Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.4	74.2
39	27.8	28.3	42.5#

69 100

41 56.6 49.4 74.2

39 27.8 28.3 42.5#





#57

1,3-Dichloropropane

Concen: 53.318 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

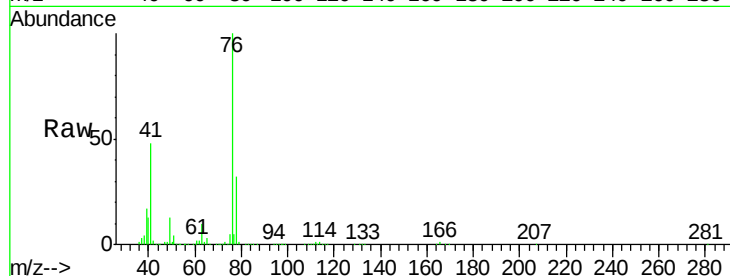
ClientSampleId :

Tot Ion: 76 Resp: 1075871

Ion Ratio Lower Upper

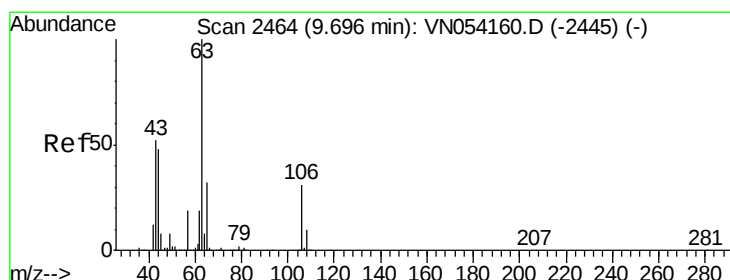
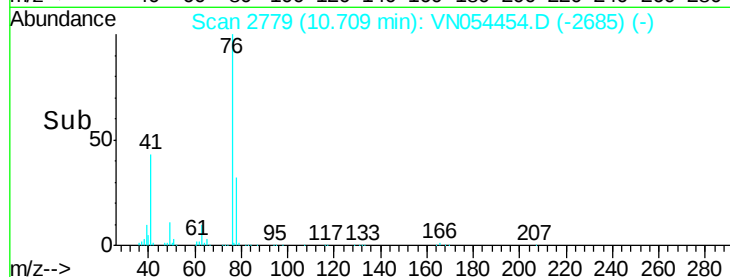
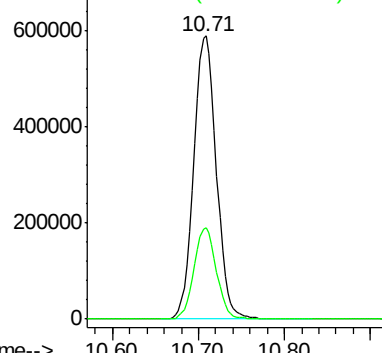
76 100

78 32.0 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: 17.039 ug/l

RT: 9.72 min Scan# 2473

Delta R.T. 0.03 min

Lab File: VN054454.D

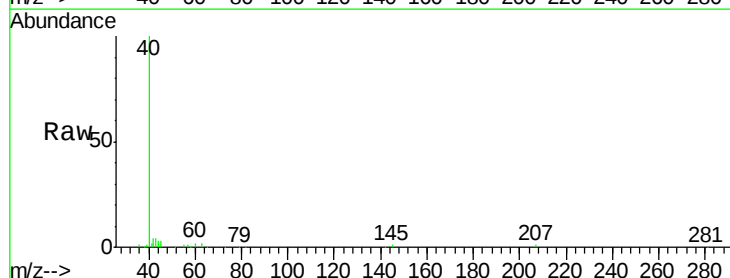
Acq: 19 Mar 2019 21:34

Tgt Ion: 63 Resp: 1446

Ion Ratio Lower Upper

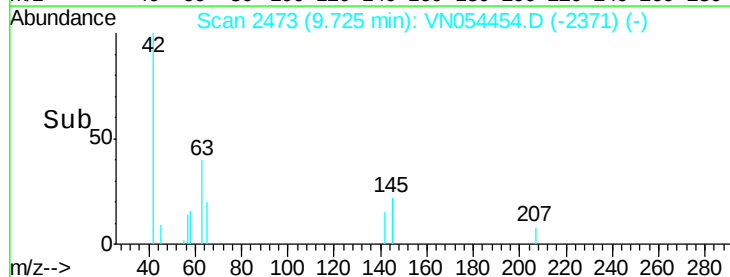
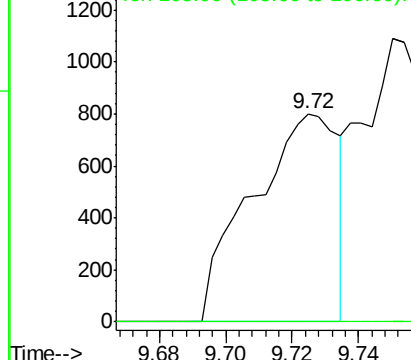
63 100

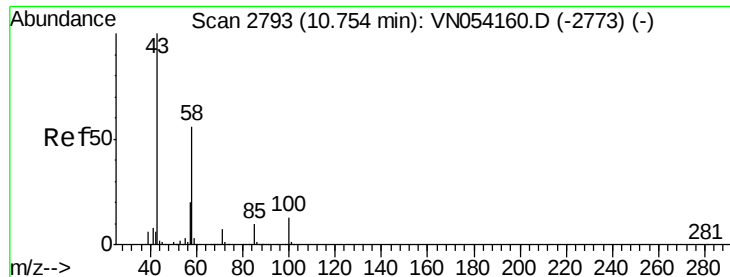
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

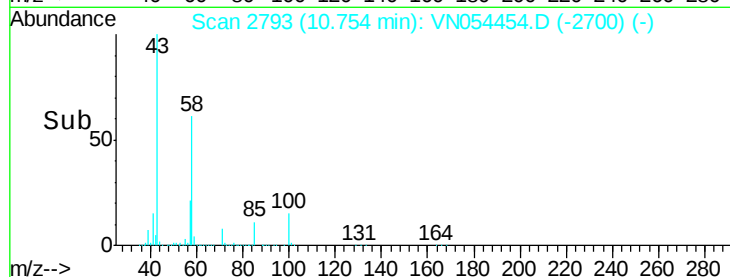
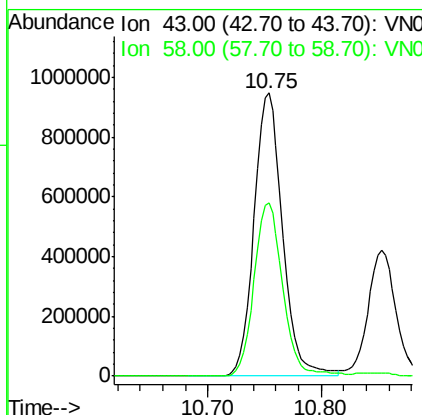
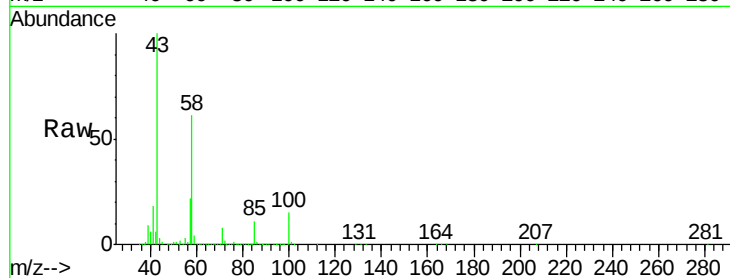




#59
2-Hexanone
Concen: 250.256 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

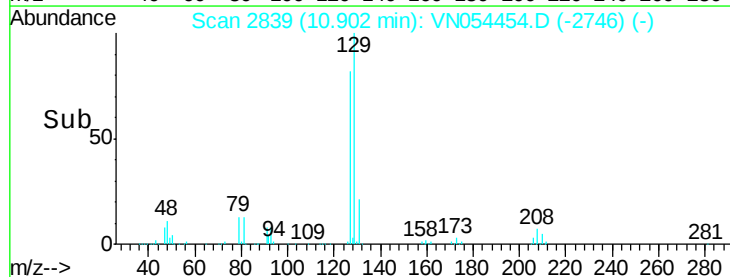
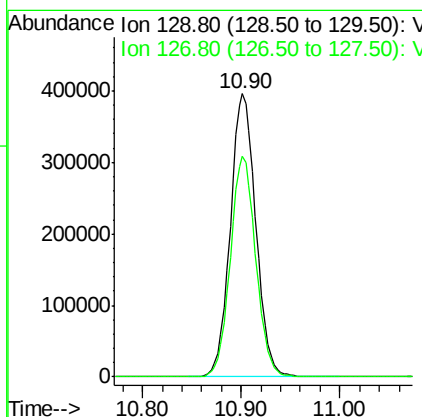
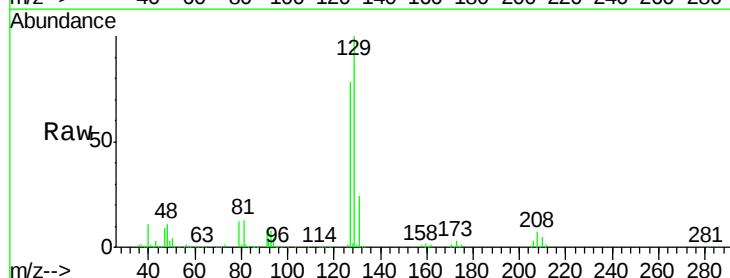
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1655483
Ion Ratio Lower Upper
43 100
58 61.9 28.0 83.9



#60
Dibromochloromethane
Concen: 51.356 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 129 Resp: 713333
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.499 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

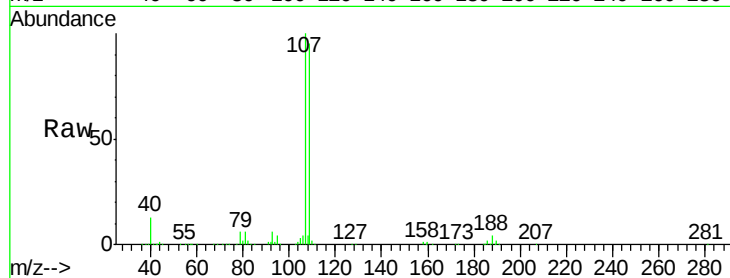
ClientSampleId :

Tot Ion:107 Resp: 658372

Ion Ratio Lower Upper

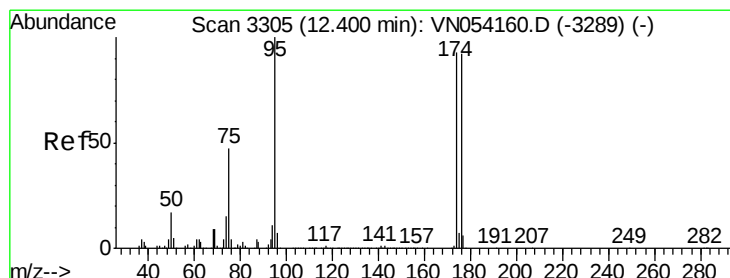
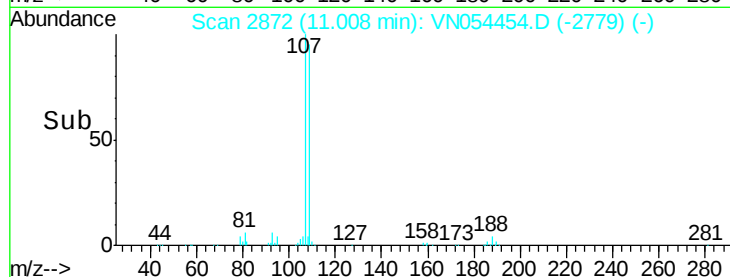
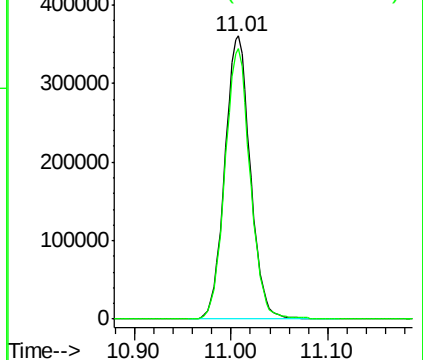
107 100

109 94.9 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.231 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

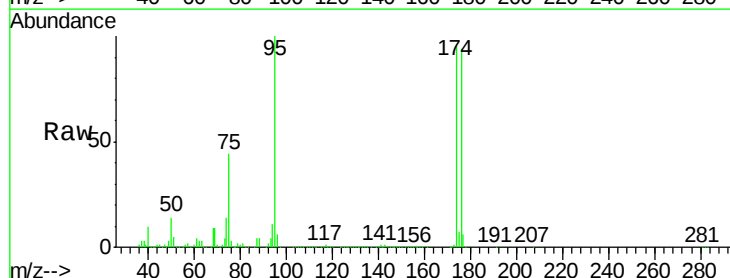
Tgt Ion: 95 Resp: 829889

Ion Ratio Lower Upper

95 100

174 95.3 0.0 191.0

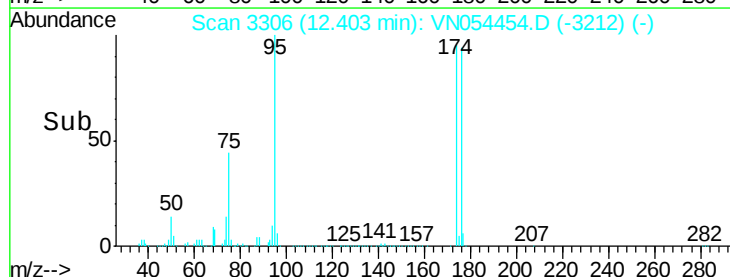
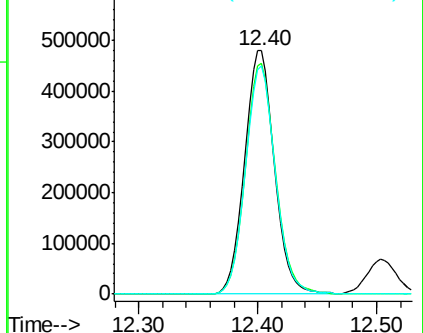
176 94.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

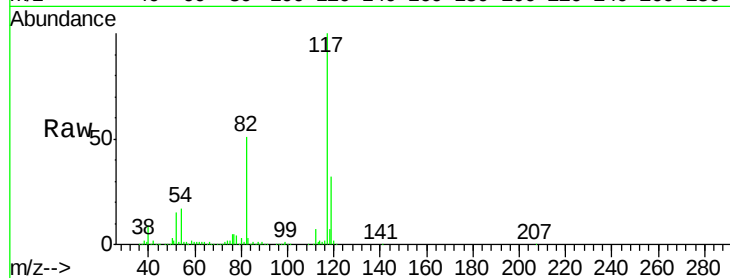
Tot Ion:117 Resp: 1754898

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

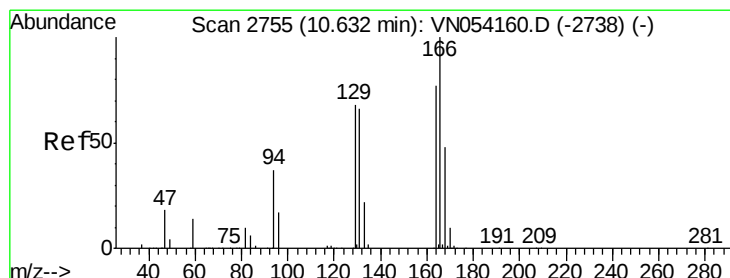
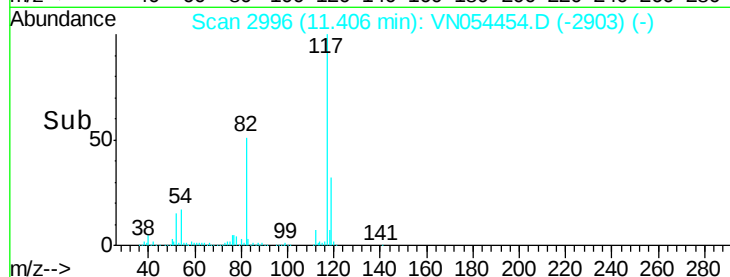
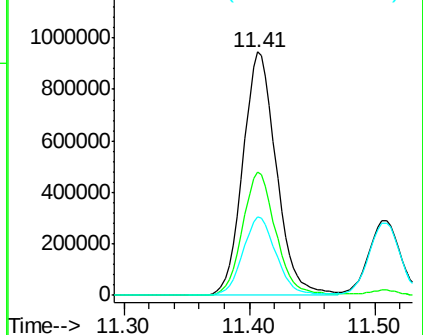
119 32.0 25.8 38.6



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: 42.722 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Tgt Ion:164 Resp: 724871

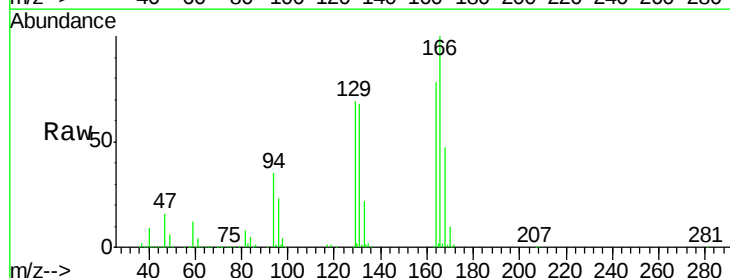
Ion Ratio Lower Upper

164 100

166 127.6 103.9 155.9

129 87.4 71.1 106.7

131 86.2 68.2 102.4

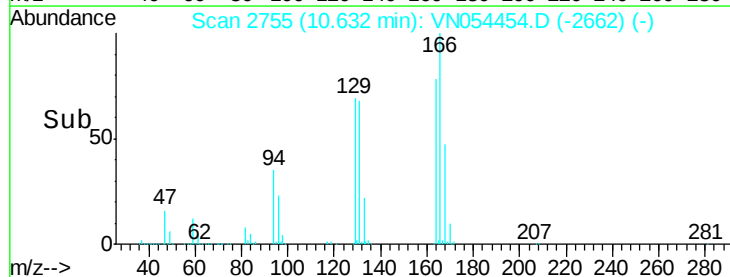
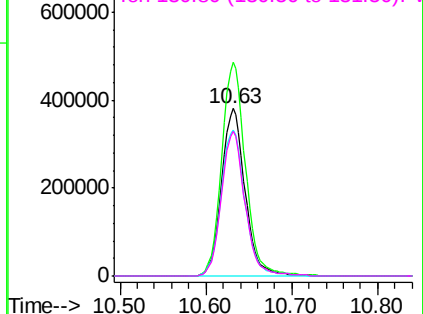


Abundance Ion 163.80 (163.50 to 164.50): V

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: 53.050 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

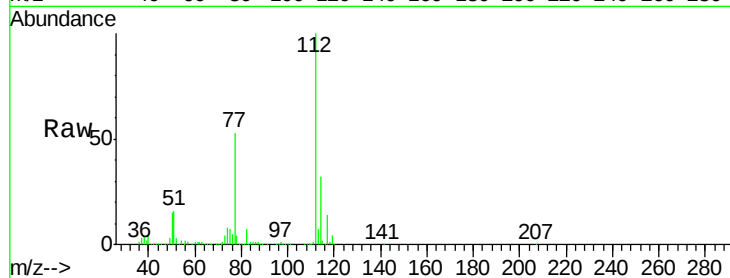
ClientSampled :

Tot Ion:112 Resp: 2044172

Ion Ratio Lower Upper

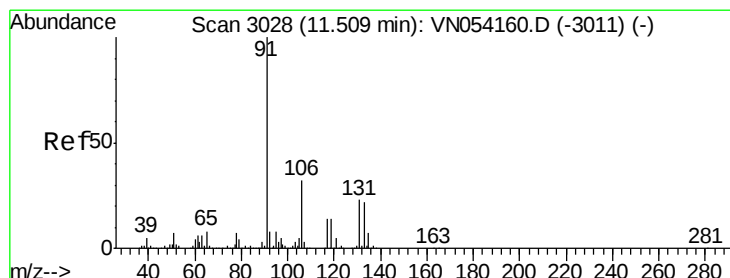
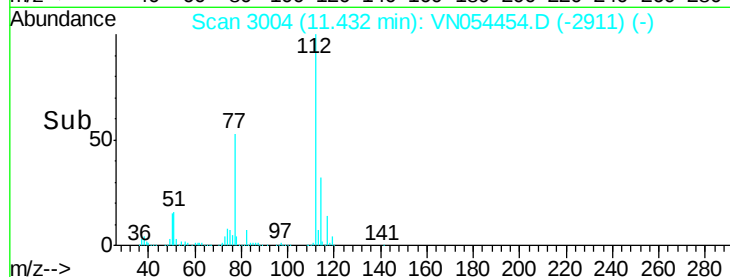
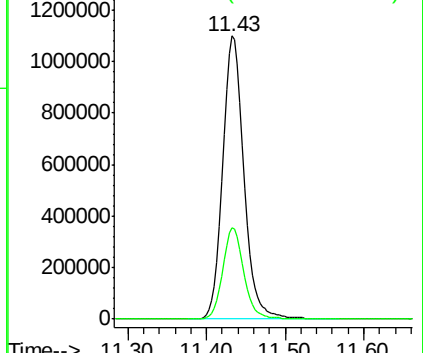
112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.231 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

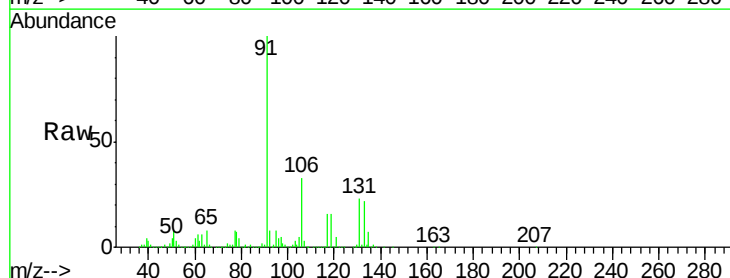
Tgt Ion:131 Resp: 745124

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

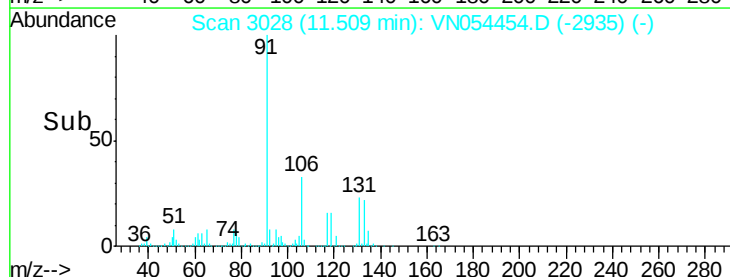
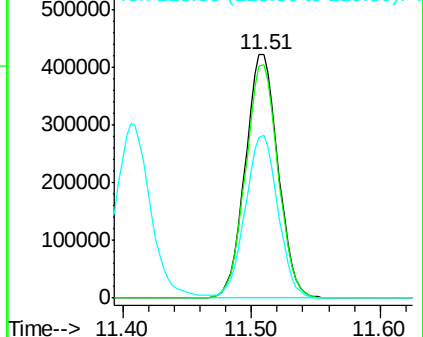
119 66.7 32.4 97.0

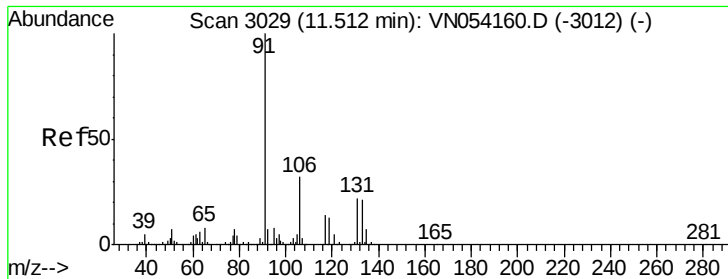


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.112 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

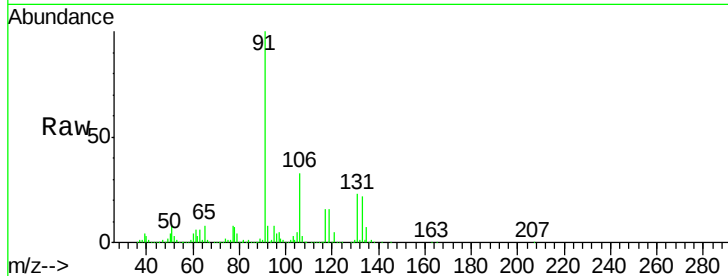
ClientSampleId :

Tot Ion: 91 Resp: 3264750

Ion Ratio Lower Upper

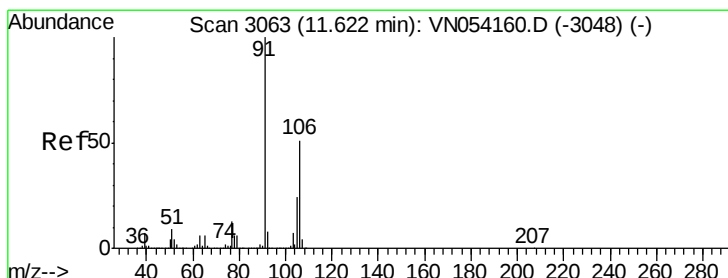
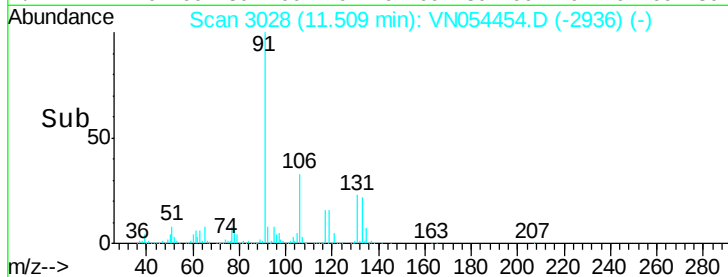
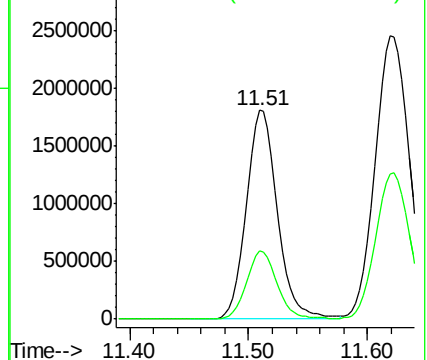
91 100

106 32.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 103.488 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054454.D

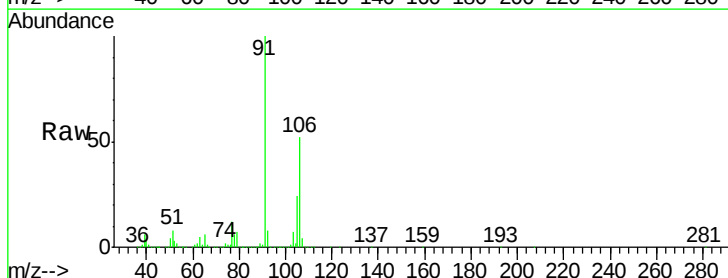
Acq: 19 Mar 2019 21:34

Tgt Ion: 106 Resp: 2583602

Ion Ratio Lower Upper

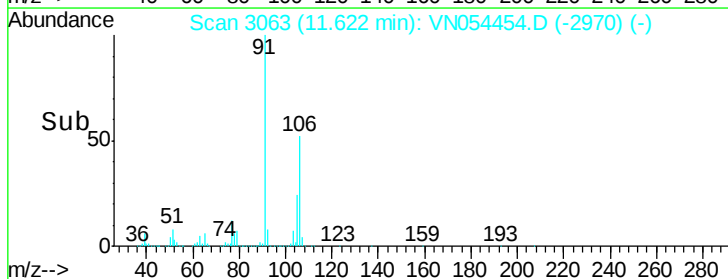
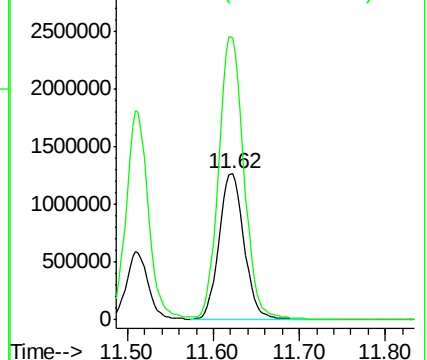
106 100

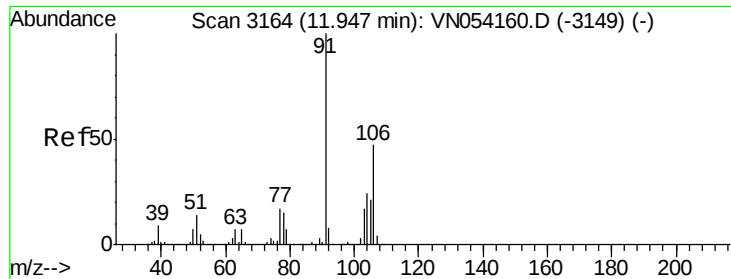
91 194.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)

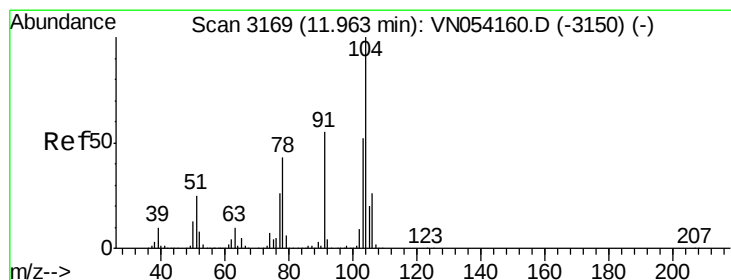
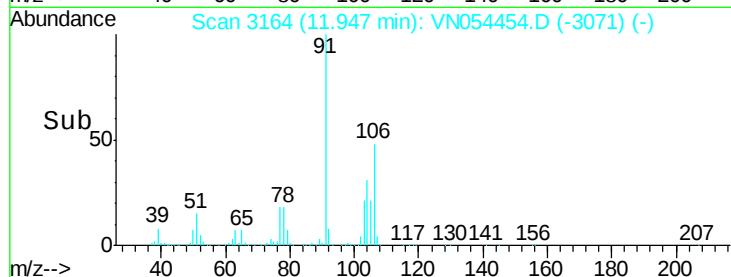
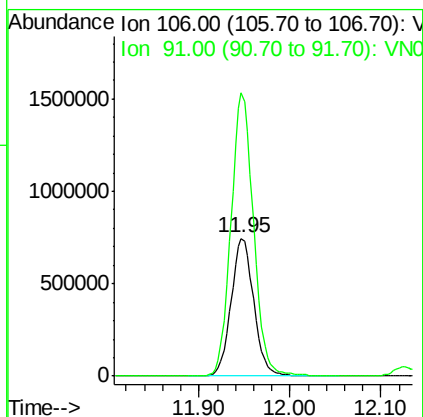
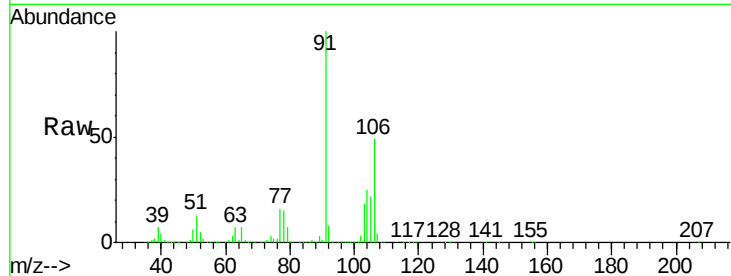




#69
o-Xylene
Concen: 53.005 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

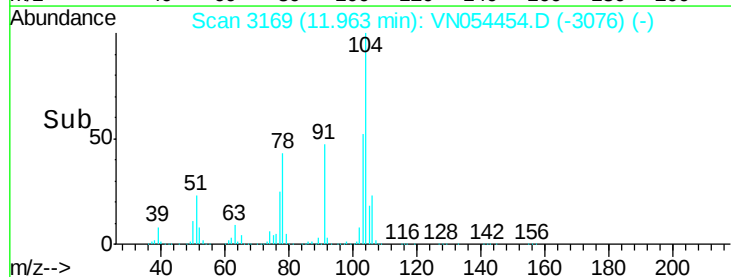
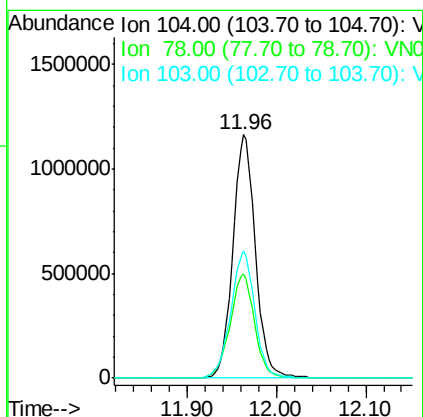
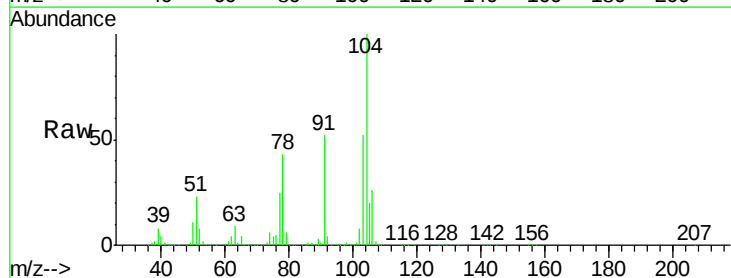
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1289974
Ion Ratio Lower Upper
106 100
91 204.5 105.7 317.1



#70
Styrene
Concen: 53.366 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion:104 Resp: 2036878
Ion Ratio Lower Upper
104 100
78 46.5 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 44.534 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

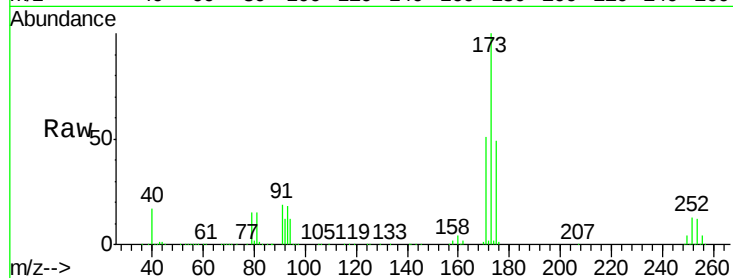
Tot Ion:173 Resp: 472323

Ion Ratio Lower Upper

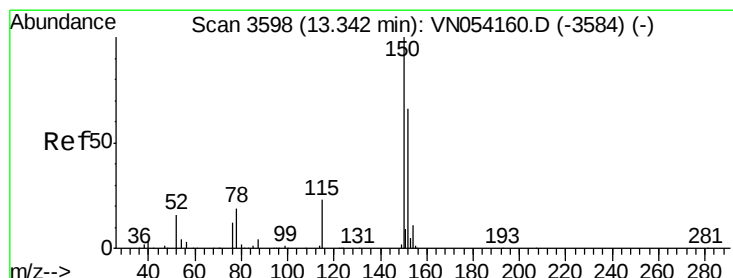
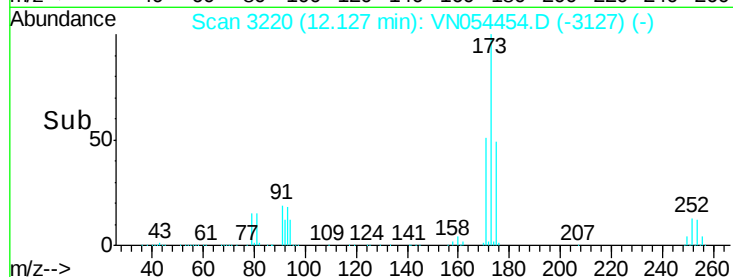
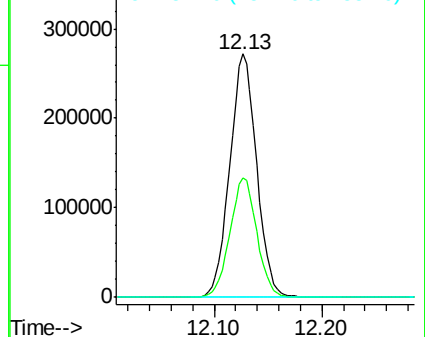
173 100

175 49.2 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: VN054454.D

Acq: 19 Mar 2019 21:34

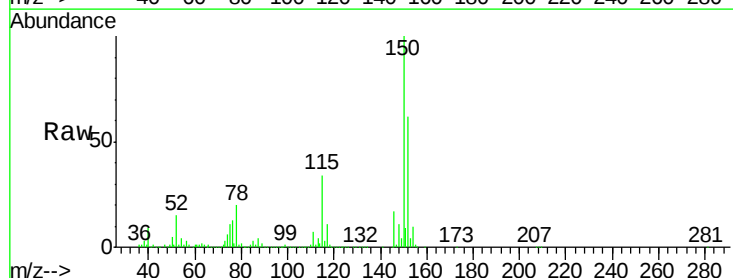
Tgt Ion:152 Resp: 792404

Ion Ratio Lower Upper

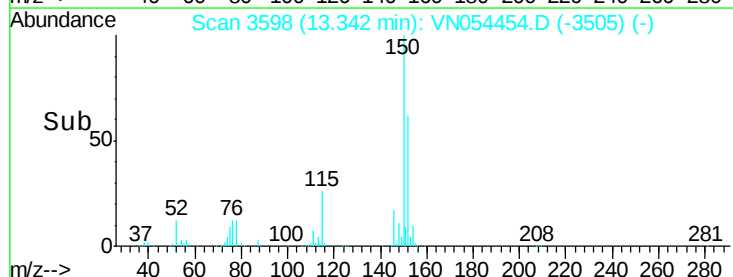
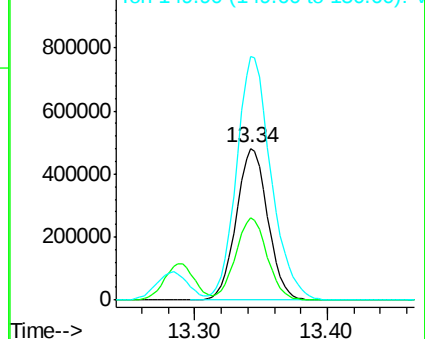
152 100

115 54.3 27.2 81.6

150 175.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 51.598 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

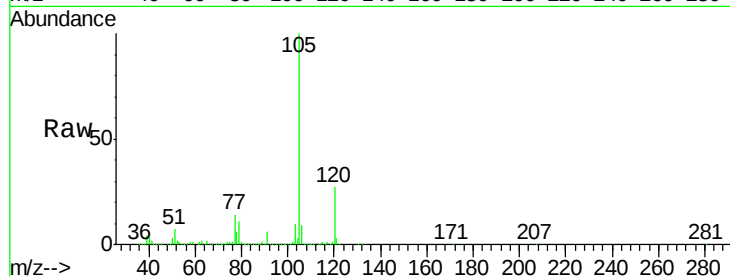
ClientSampleId :

Tot Ion:105 Resp: 3271155

Ion Ratio Lower Upper

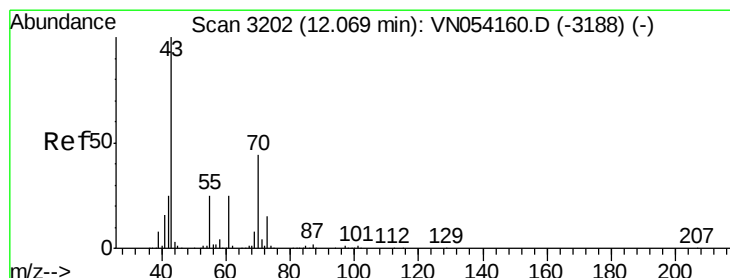
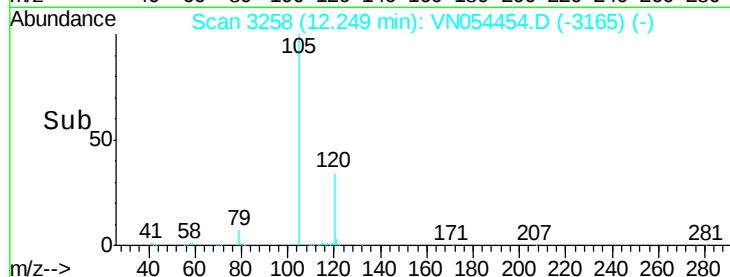
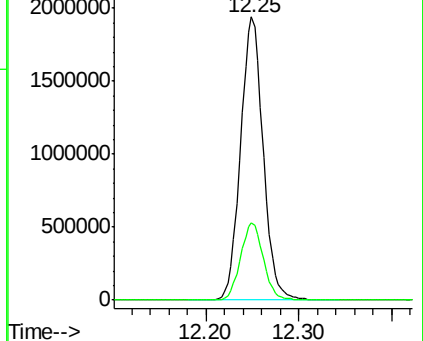
105 100

120 27.7 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: 54.383 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Tgt Ion: 43 Resp: 765287

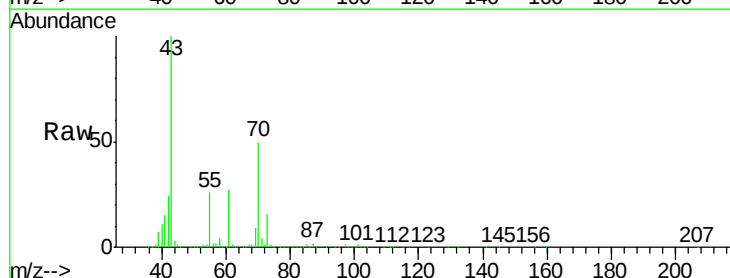
Ion Ratio Lower Upper

43 100

70 49.6 35.4 53.0

55 26.7 19.8 29.6

61 27.2 19.8 29.6

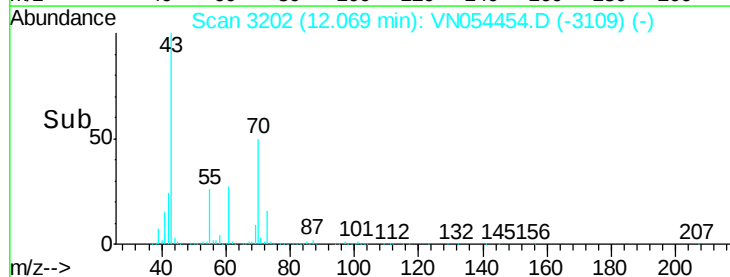
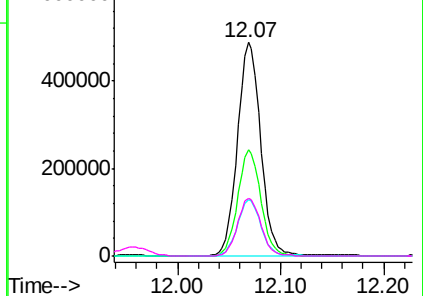


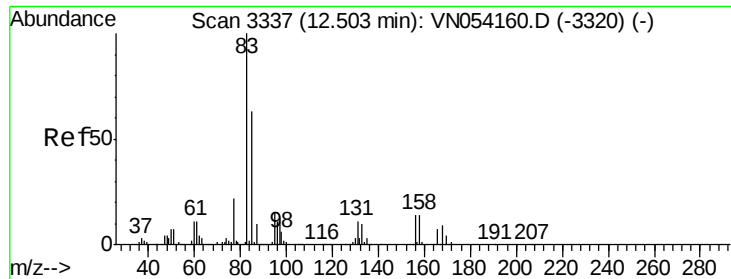
Abundance Ion 43.00 (42.70 to 43.70): V

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: 57.452 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

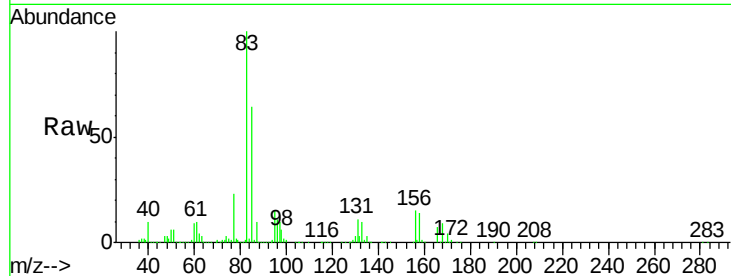
Tot Ion: 83 Resp: 776011

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

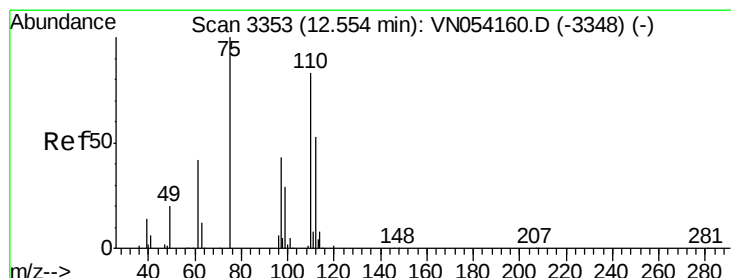
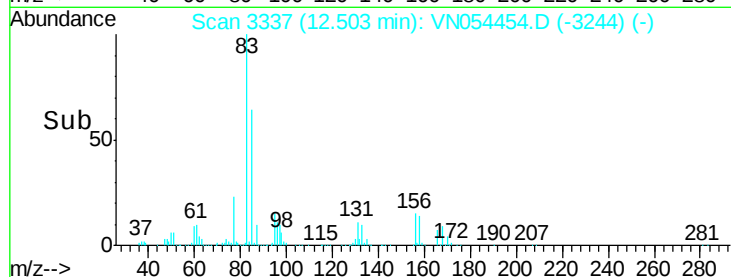
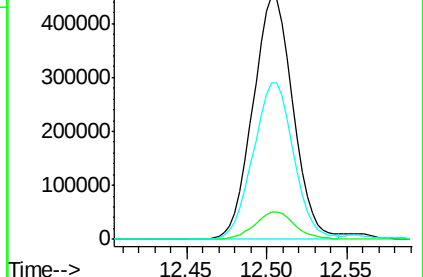
85 65.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054454.D (-3320) (-)

Ion 130.80 (130.50 to 131.50): VN054454.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054454.D (-3320) (-)



#76

1,2,3-Trichloropropane

Concen: 74.910 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054454.D

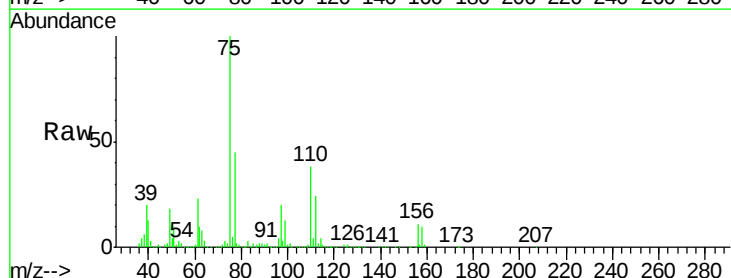
Acq: 19 Mar 2019 21:34

Tgt Ion: 75 Resp: 872895

Ion Ratio Lower Upper

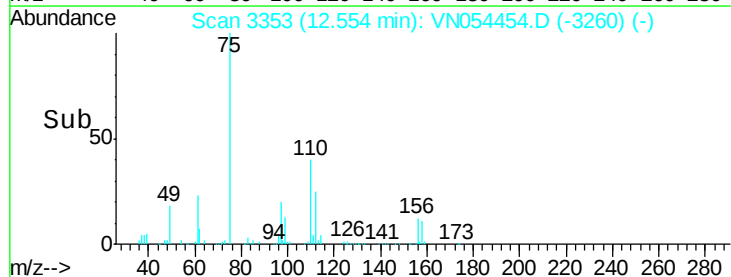
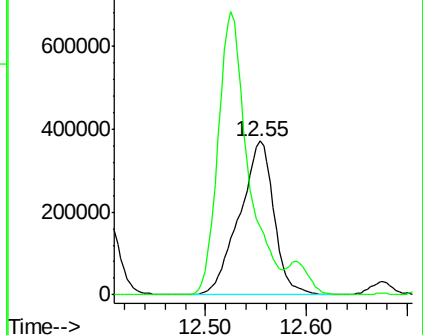
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054454.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054454.D (-3348) (-)





#77

Bromobenzene

Concen: 53.572 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

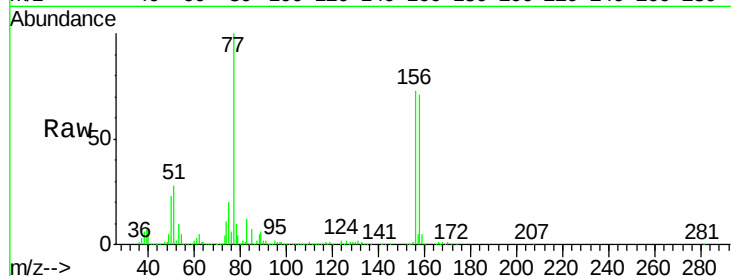
Tot Ion:156 Resp: 898719

Ion Ratio Lower Upper

156 100

77 157.9 81.5 244.4

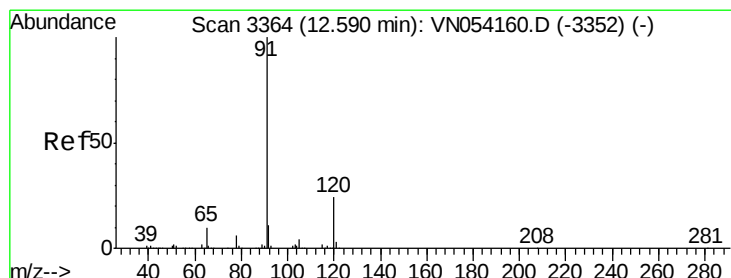
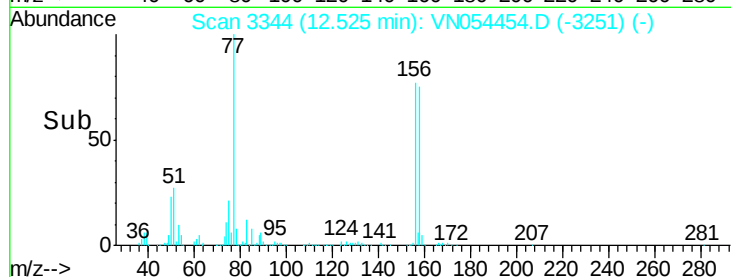
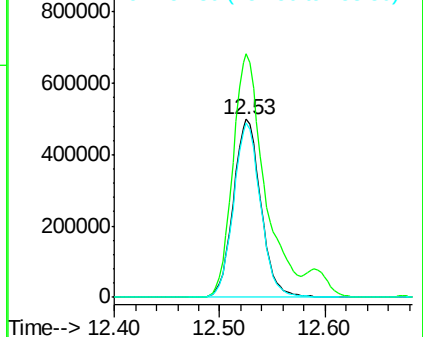
158 96.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.012 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054454.D

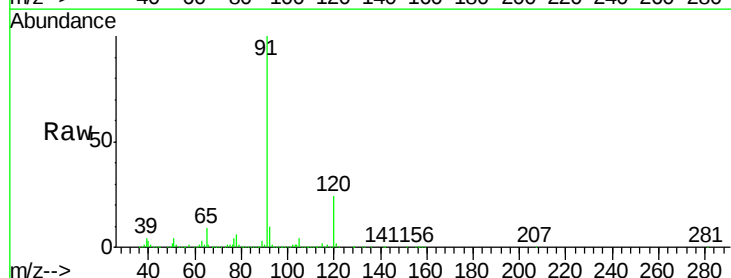
Acq: 19 Mar 2019 21:34

Tgt Ion: 91 Resp: 3440330

Ion Ratio Lower Upper

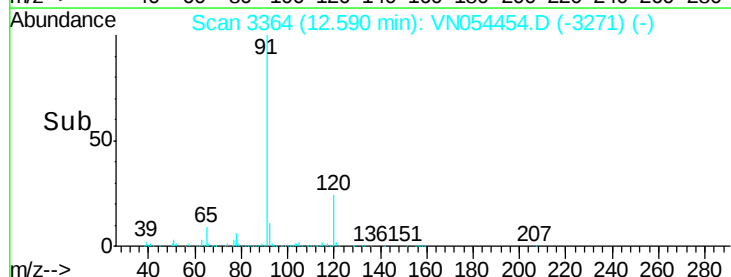
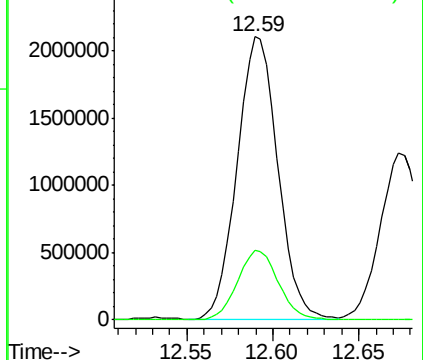
91 100

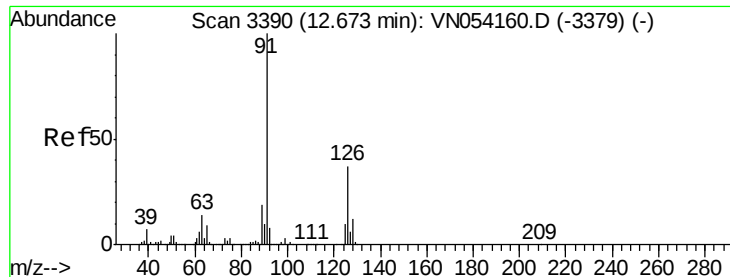
120 25.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.205 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

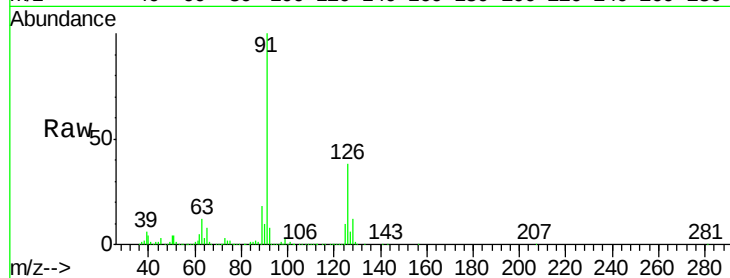
ClientSampled :

Tot Ion: 91 Resp: 2117917

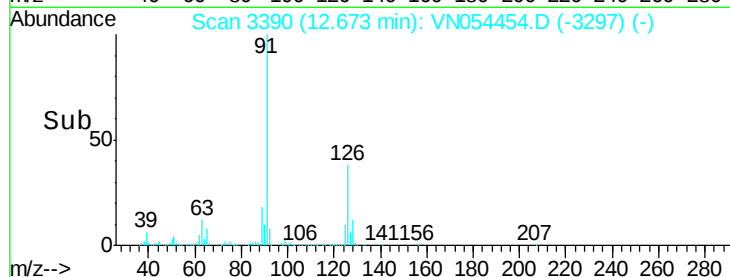
Ion Ratio Lower Upper

91 100

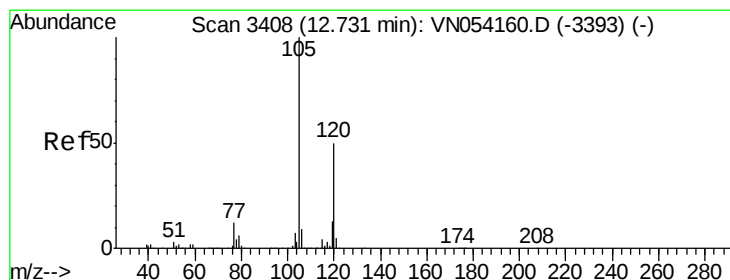
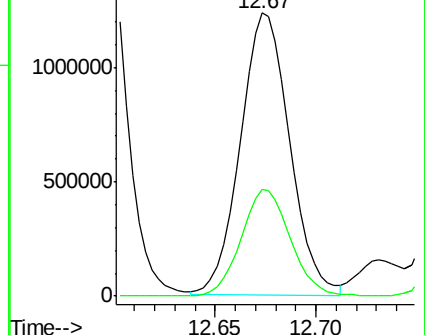
126 37.8 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054454.D (-3397) (-)



Ion 125.90 (125.60 to 126.60): VN054454.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.512 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054454.D

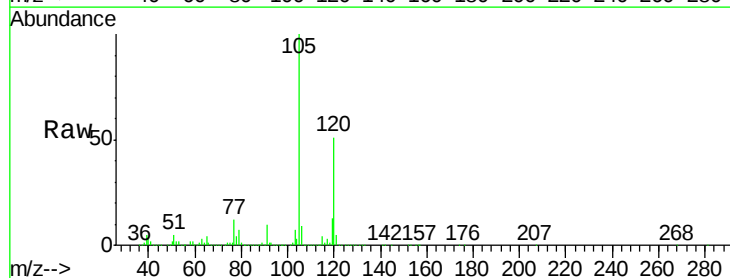
Acq: 19 Mar 2019 21:34

Tgt Ion: 105 Resp: 2610927

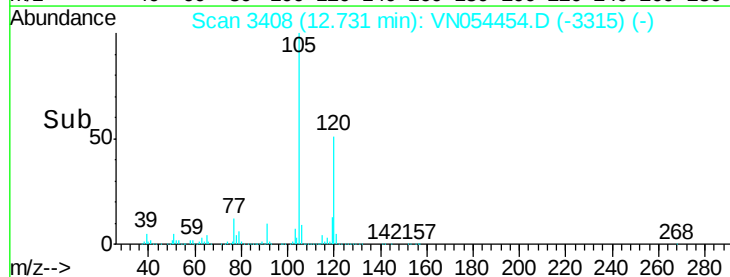
Ion Ratio Lower Upper

105 100

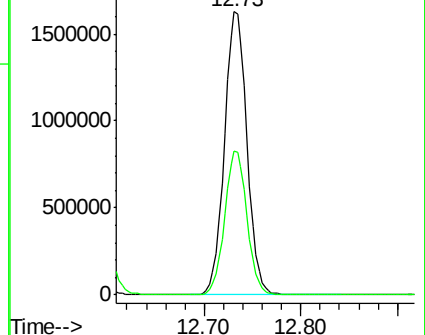
120 50.6 25.0 75.0

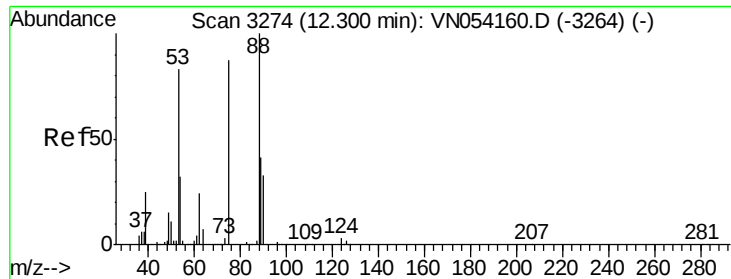


Abundance Ion 105.00 (104.70 to 105.70): VN054454.D (-3415) (-)



Ion 120.00 (119.70 to 120.70): VN054454.D (-3415) (-)

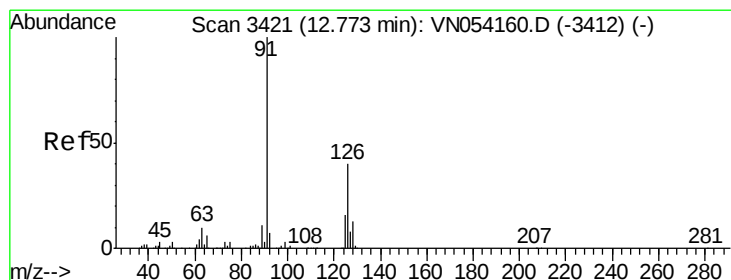
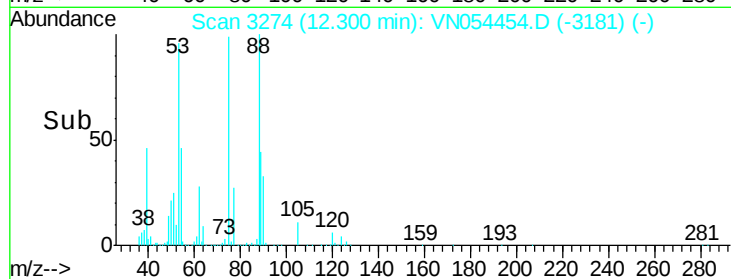
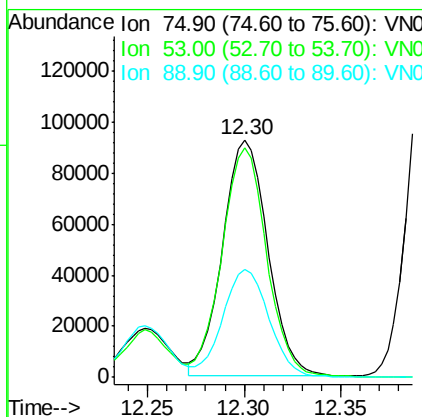
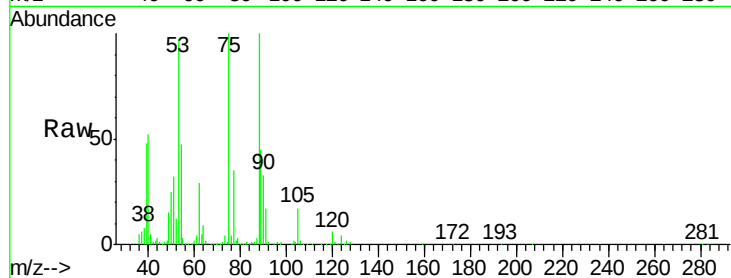




#81
trans-1,4-Dichloro-2-butene
Concen: 44.272 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

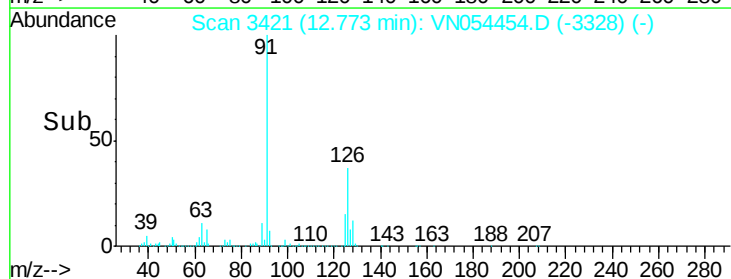
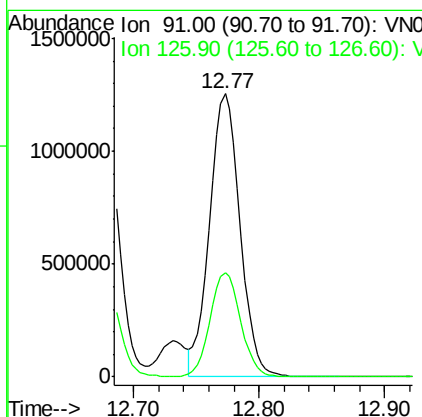
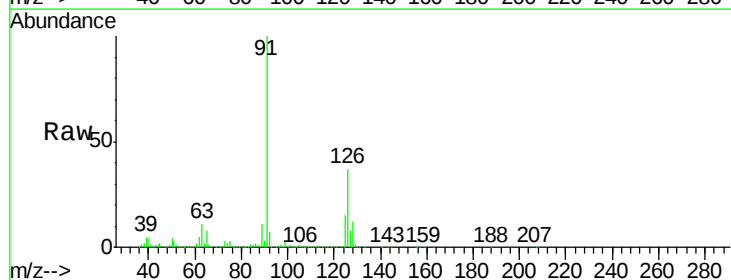
Instrument :
MSVOA_N
ClientSampleId :

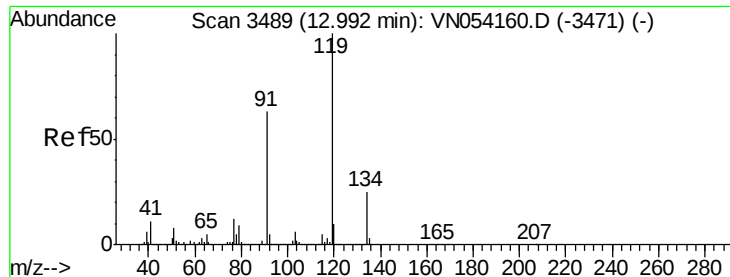
Tot Ion: 75 Resp: 150913
Ion Ratio Lower Upper
75 100
53 96.9 76.2 114.2
89 47.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 51.157 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054454.D
Acq: 19 Mar 2019 21:34

Tgt Ion: 91 Resp: 2112817
Ion Ratio Lower Upper
91 100
126 36.9 18.1 54.1





#83

tert-Butylbenzene

Concen: 48.024 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

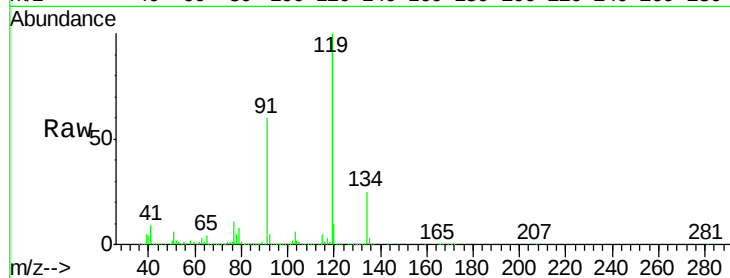
Tot Ion:119 Resp: 2330999

Ion Ratio Lower Upper

119 100

91 60.0 30.9 92.8

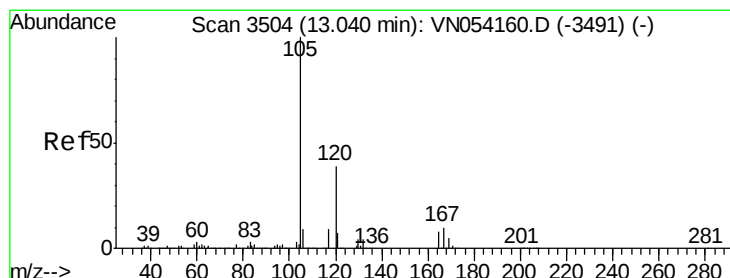
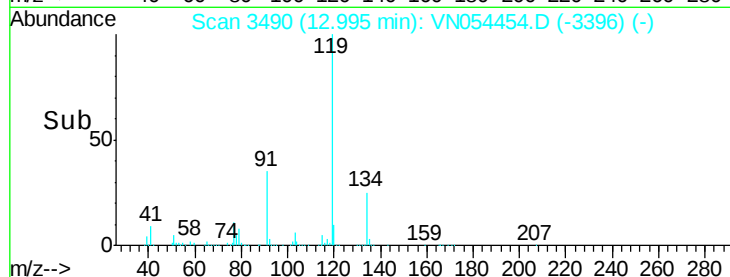
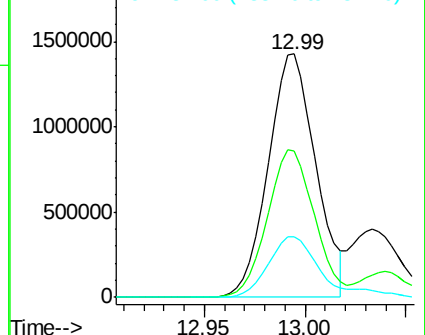
134 25.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.133 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054454.D

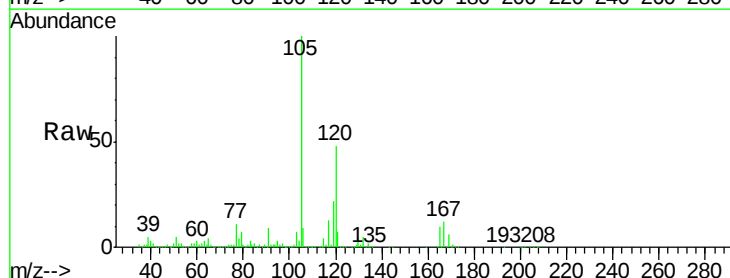
Acq: 19 Mar 2019 21:34

Tgt Ion:105 Resp: 2645319

Ion Ratio Lower Upper

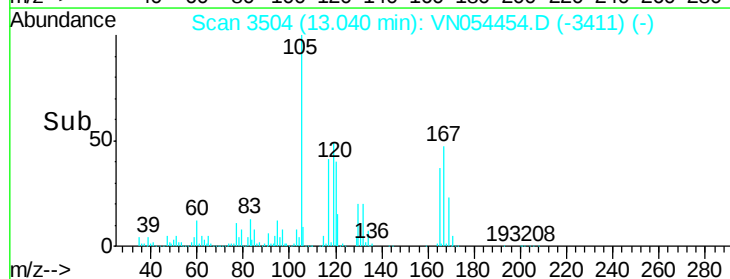
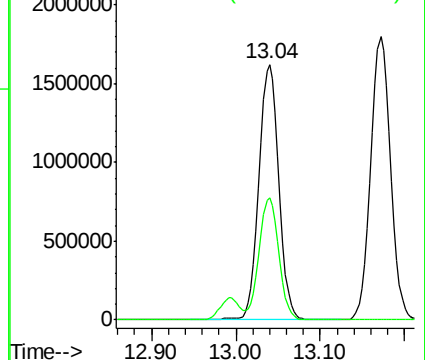
105 100

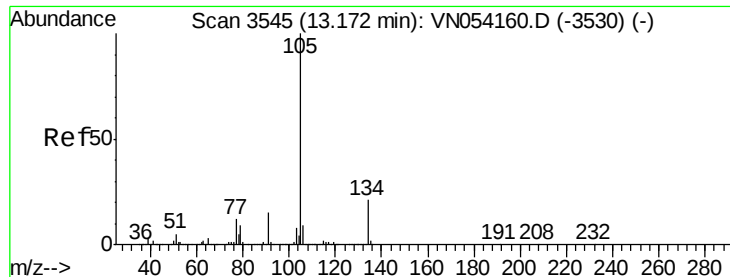
120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.272 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

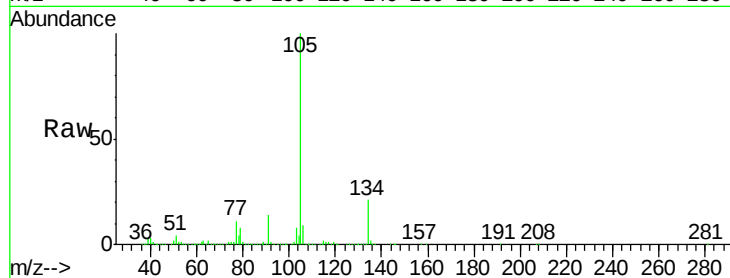
ClientSampled :

Tot Ion:105 Resp: 2912693

Ion Ratio Lower Upper

105 100

134 21.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

2000000

1500000

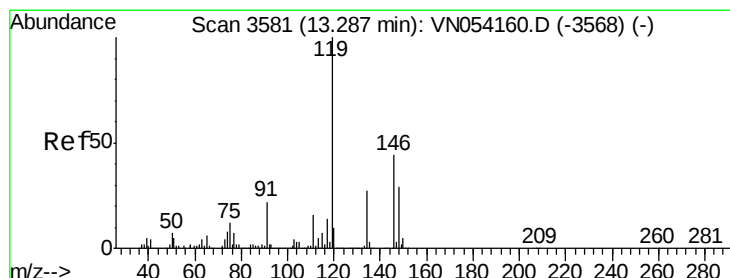
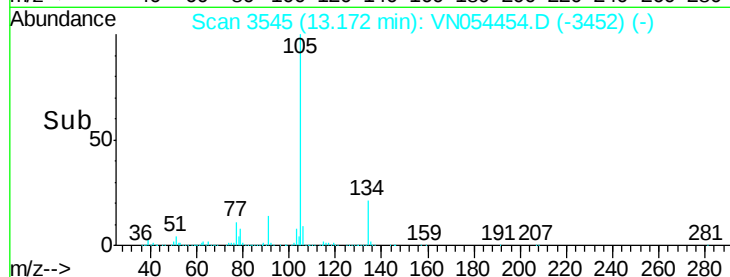
1000000

500000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 46.650 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

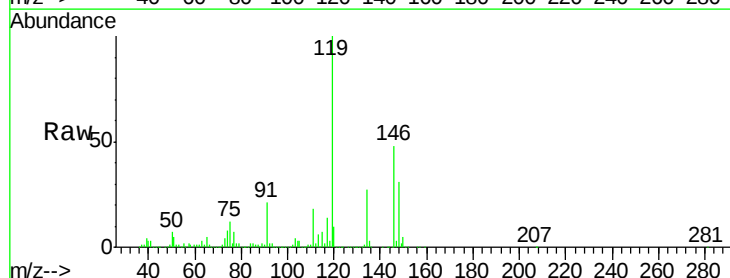
Tgt Ion:119 Resp: 2576161

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 20.8 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

2000000

1500000

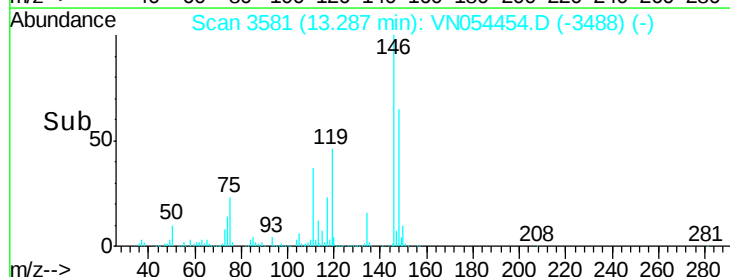
1000000

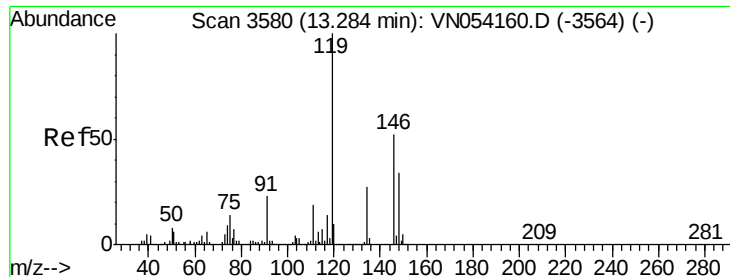
500000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 51.808 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

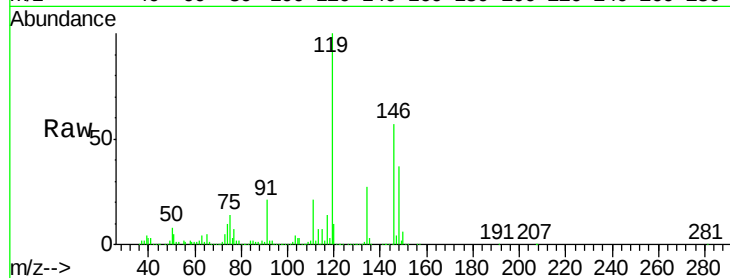
Tot Ion:146 Resp: 1464503

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.9	32.2	96.6

146 100

111 37.5 18.8 56.3

148 64.9 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

1200000

1000000

800000

600000

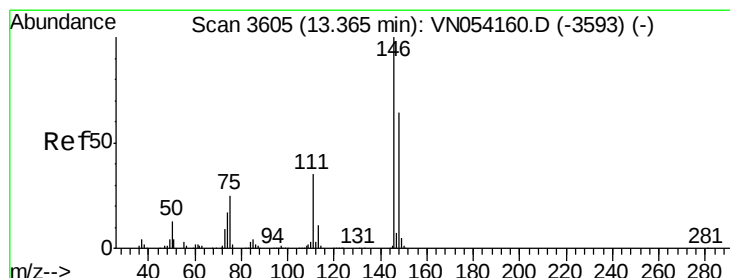
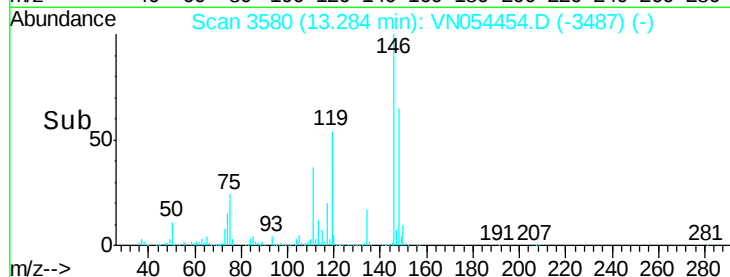
400000

200000

0

13.20 13.25 13.30 13.35

Time-->



#88

1,4-Dichlorobenzene

Concen: 51.737 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

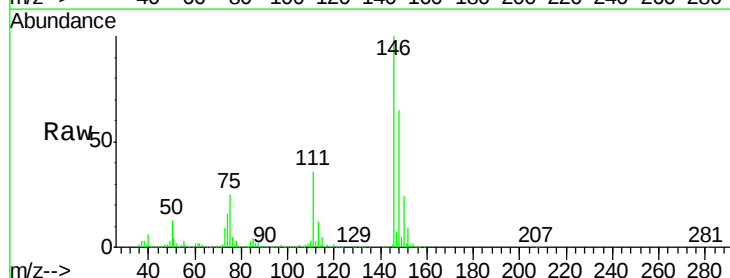
Tgt Ion:146 Resp: 1436695

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.4	32.0	96.0

146 100

111 36.5 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

1200000

1000000

800000

600000

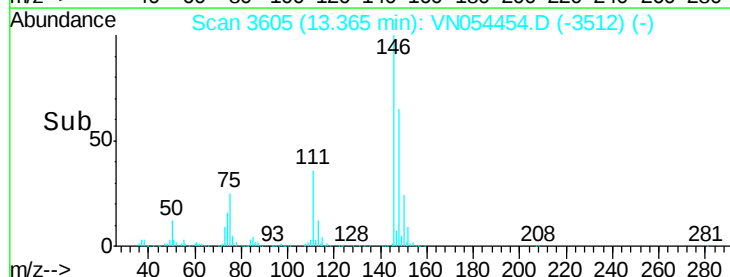
400000

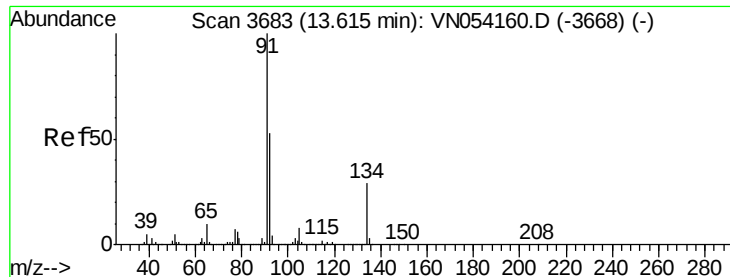
200000

0

13.30 13.40

Time-->





#89

n-Butylbenzene

Concen: 45.633 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampleId :

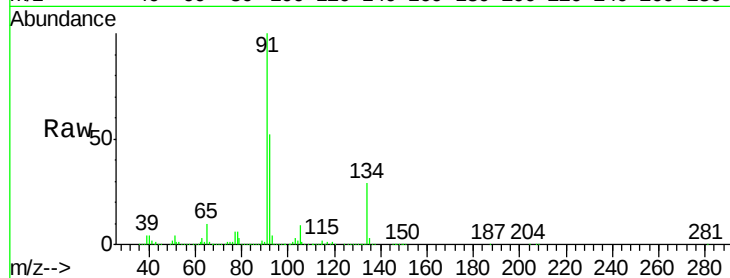
Tot Ion: 91 Resp: 1914730

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

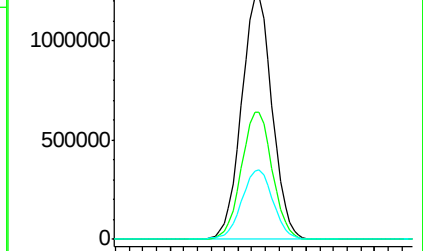
134 29.0 14.3 42.9



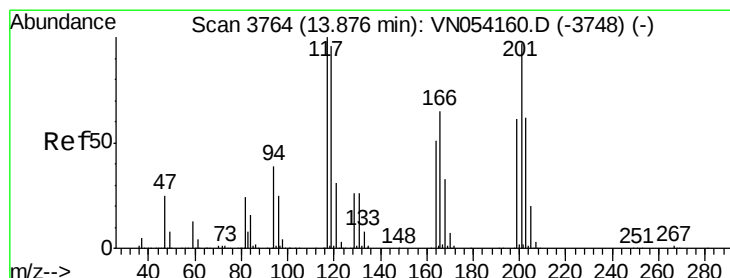
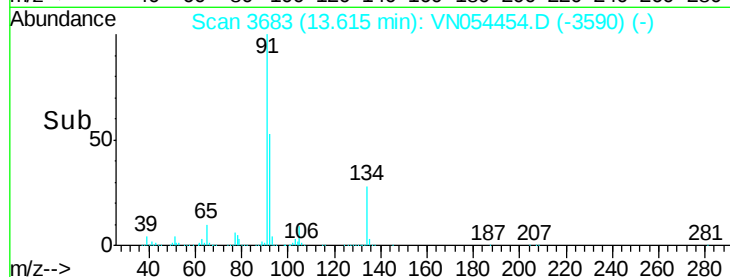
Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

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

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



Time-->



#90

Hexachloroethane

Concen: 44.615 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054454.D

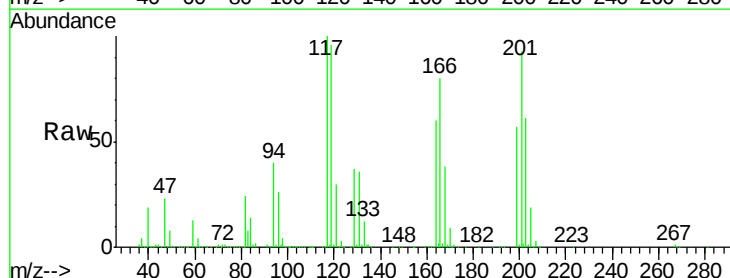
Acq: 19 Mar 2019 21:34

Tgt Ion: 117 Resp: 407961

Ion Ratio Lower Upper

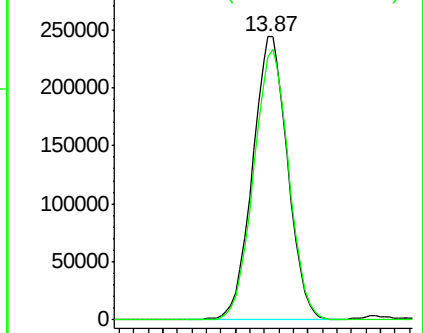
117 100

201 96.1 48.1 144.4

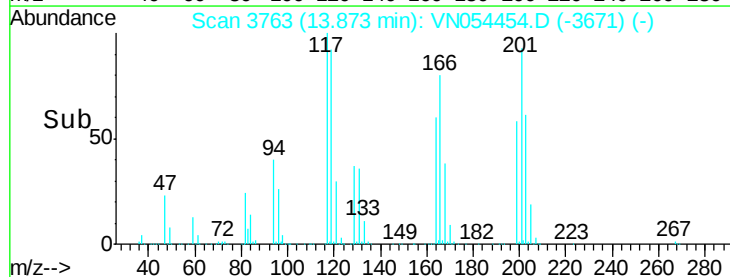


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

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



Time-->





#91

1,2-Dichlorobenzene

Concen: 52.816 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

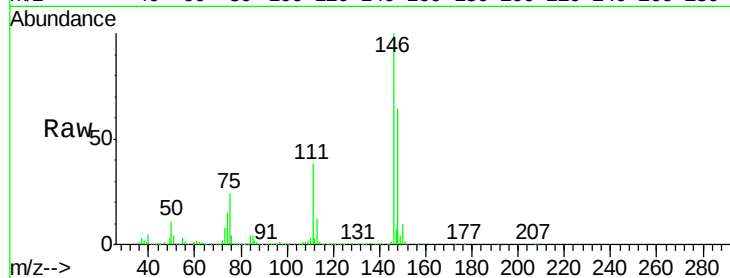
Tot Ion:146 Resp: 1459528

Ion Ratio Lower Upper

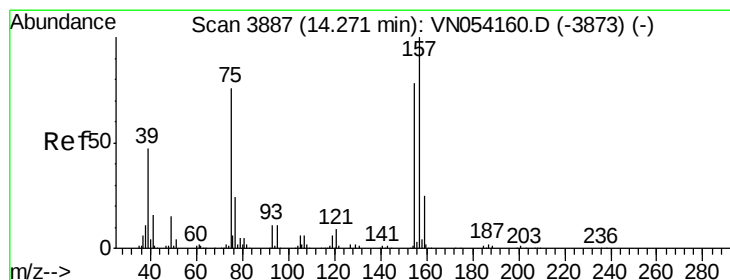
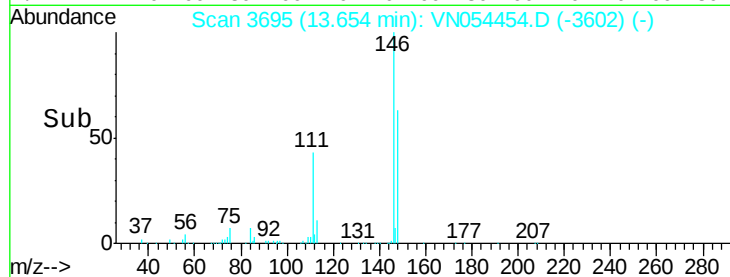
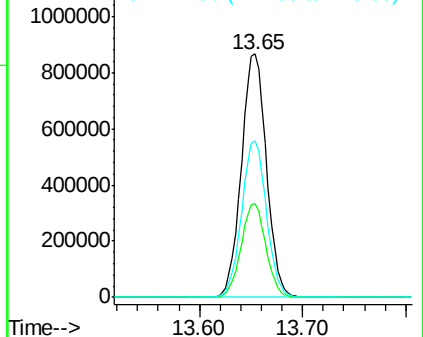
146 100

111 38.1 19.1 57.3

148 64.0 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: 50.613 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

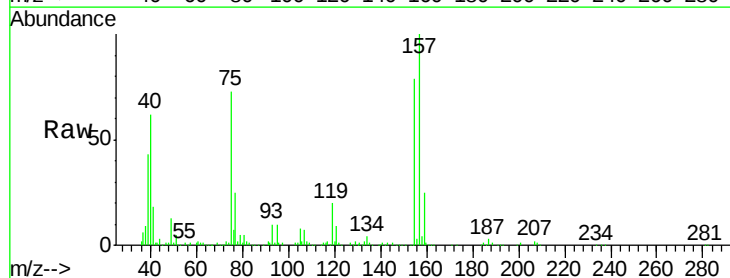
Tgt Ion: 75 Resp: 105789

Ion Ratio Lower Upper

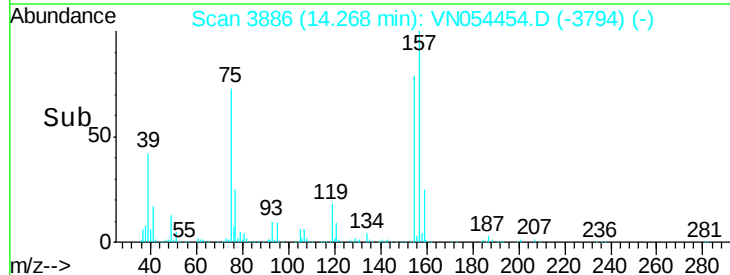
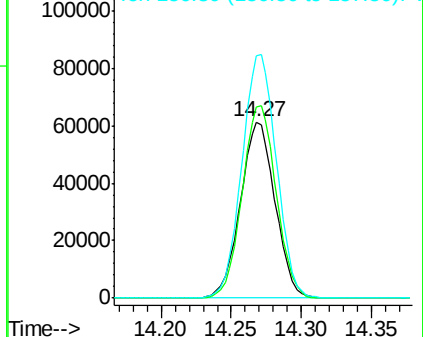
75 100

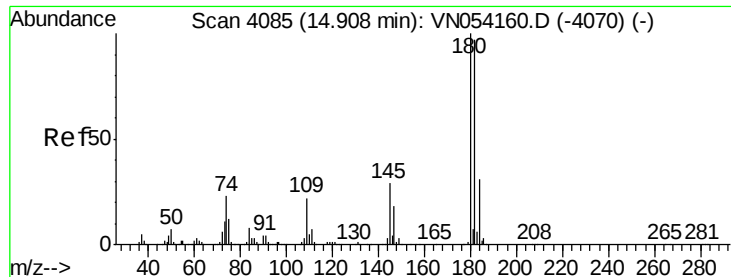
155 106.9 50.1 150.3

157 138.0 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: 45.926 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

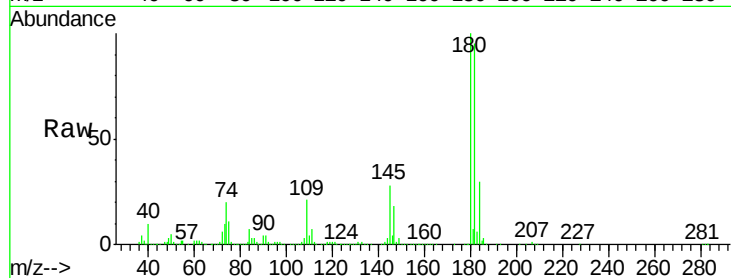
Tot Ion:180 Resp: 762611

Ion Ratio Lower Upper

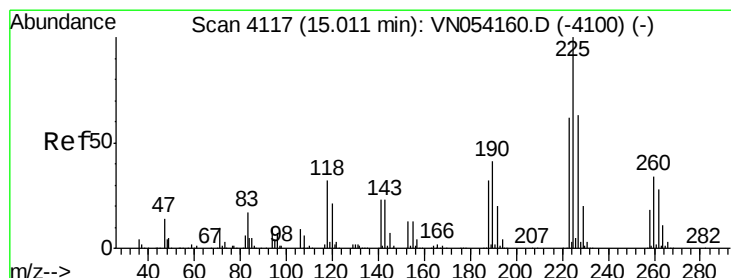
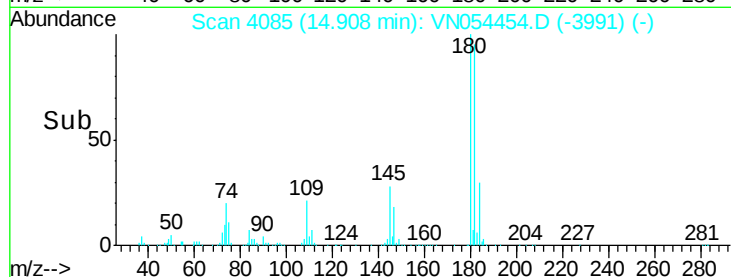
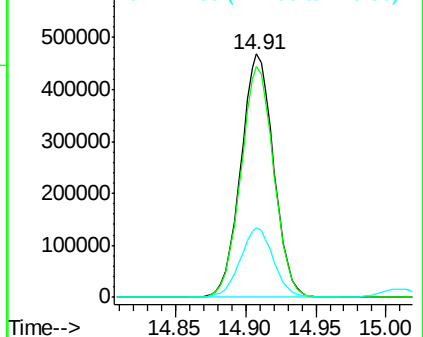
180 100

182 95.0 48.0 144.2

145 28.9 14.2 42.8



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



#94

Hexachlorobutadiene

Concen: 36.706 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

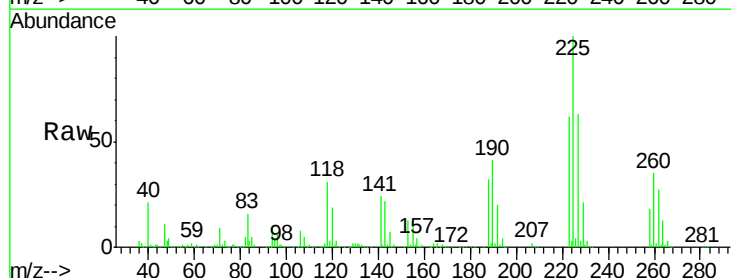
Tgt Ion:225 Resp: 386362

Ion Ratio Lower Upper

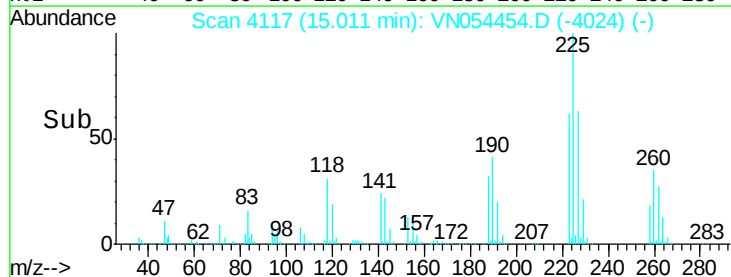
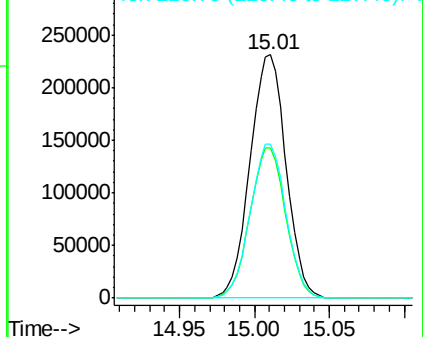
225 100

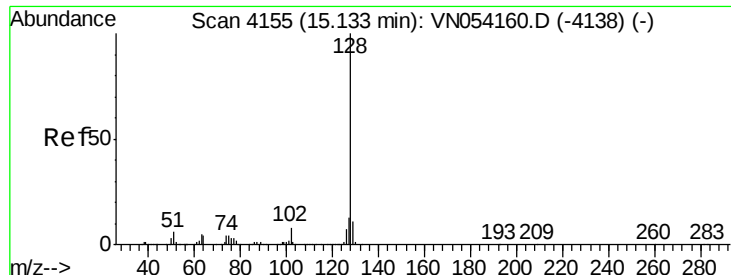
223 61.4 31.1 93.5

227 63.2 31.9 95.9



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





#95

Naphthalene

Concen: 51.694 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

Instrument :

MSVOA_N

ClientSampled :

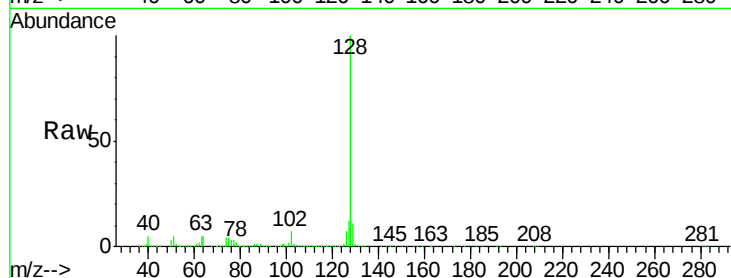
Tot Ion:128 Resp: 1801006

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

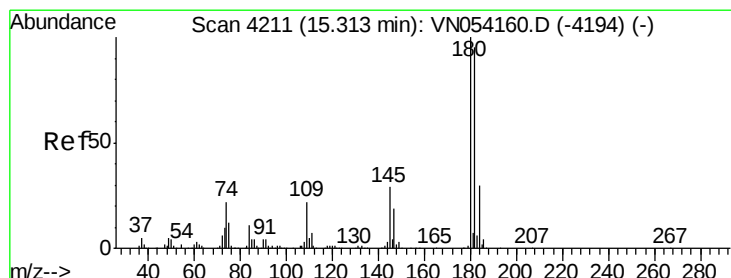
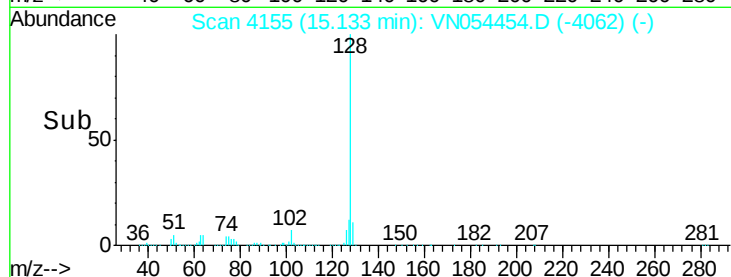
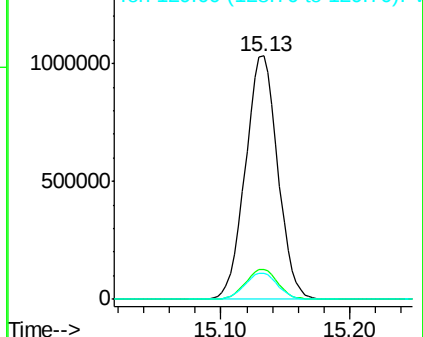
129 10.9 8.7 13.1



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: 51.275 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054454.D

Acq: 19 Mar 2019 21:34

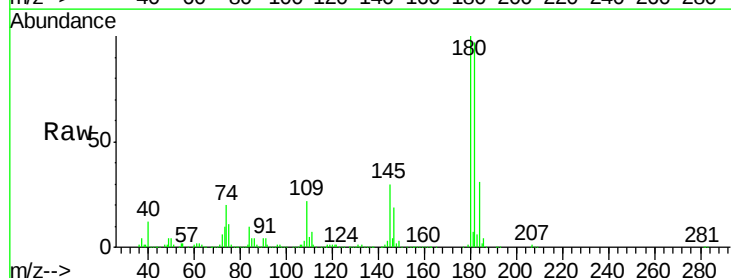
Tgt Ion:180 Resp: 752866

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 30.6 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

