

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053413.D
 Acq On : 16 Jan 2019 9:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 17 03:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	873507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1258816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1157624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	592124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421995	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.59	113	381705	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.09	98	1579073	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.40	95	560079	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	354046	50.412	ug/l 99
3) Chloromethane	2.06	50	471842	46.991	ug/l 99
4) Vinyl Chloride	2.19	62	463866	47.924	ug/l 100
5) Bromomethane	2.57	94	319293	48.077	ug/l 97
6) Chloroethane	2.71	64	280226	47.886	ug/l 99
7) Trichlorofluoromethane	3.03	101	630335	49.788	ug/l 99
8) Diethyl Ether	3.41	74	229540	48.273	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	414808	51.734	ug/l 100
10) Methyl Iodide	3.96	142	603440	49.249	ug/l 100
11) Tert butyl alcohol	4.77	59	114465	270.944	ug/l 99
12) 1,1-Dichloroethene	3.74	96	381735	49.085	ug/l 99
13) Acrolein	3.61	56	167961	207.952	ug/l 99
14) Allyl chloride	4.33	41	598665	47.392	ug/l 96
15) Acrylonitrile	4.98	53	675900	243.103	ug/l 100
16) Acetone	3.81	43	530747	262.015	ug/l 99
17) Carbon Disulfide	4.06	76	1158627	49.266	ug/l 100
18) Methyl Acetate	4.32	43	317297	46.492	ug/l 100
19) Methyl tert-butyl Ether	5.04	73	1010190	48.887	ug/l 98
20) Methylene Chloride	4.55	84	438020	47.363	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	412355	49.595	ug/l 98
22) Diisopropyl ether	5.95	45	1316030	49.904	ug/l 99
23) Vinyl Acetate	5.89	43	4114521	253.816	ug/l 100
24) 1,1-Dichloroethane	5.85	63	762663	48.921	ug/l 100
25) 2-Butanone	6.83	43	791294	253.495	ug/l 100
26) 2,2-Dichloropropane	6.82	77	586522	49.830	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	473987	49.853	ug/l 99
28) Bromochloromethane	7.19	49	340185	49.533	ug/l 100
29) Tetrahydrofuran	7.21	42	495034	243.604	ug/l 100
30) Chloroform	7.37	83	750956	49.440	ug/l 99
31) Cyclohexane	7.65	56	748296	49.319	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	634328	49.231	ug/l 99
36) 1,1-Dichloropropene	7.79	75	603118	52.609	ug/l 100
37) Ethyl Acetate	6.92	43	332727	50.446	ug/l 99
38) Carbon Tetrachloride	7.77	117	567764	52.311	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	775411	54.723	ug/l	99
40) Benzene	8.04	78	1789277	51.360	ug/l	99
41) Methacrylonitrile	7.17	41	176417	45.080	ug/l	92
42) 1,2-Dichloroethane	8.12	62	516438	50.885	ug/l	100
43) Isopropyl Acetate	8.16	43	589535	49.709	ug/l	98
44) Trichloroethene	8.83	130	502489	52.012	ug/l	100
45) 1,2-Dichloropropane	9.12	63	472087	51.161	ug/l	98
46) Dibromomethane	9.21	93	268088	50.568	ug/l	99
47) Bromodichloromethane	9.40	83	581050	52.117	ug/l	98
48) Methyl methacrylate	9.20	41	303257	49.523	ug/l	98
49) 1,4-Dioxane	9.20	88	79455	1328.598	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1664025	257.024	ug/l	100
52) Toluene	10.15	92	1115145	51.560	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	596623	52.796	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	700805	52.902	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	381012	51.098	ug/l	99
56) Ethyl methacrylate	10.43	69	491410	46.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	658306	51.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1364896	261.650	ug/l	100
59) 2-Hexanone	10.75	43	1208397	265.884	ug/l	100
60) Dibromochloromethane	10.90	129	442246	52.292	ug/l	100
61) 1,2-Dibromoethane	11.00	107	386387	51.237	ug/l	100
64) Tetrachloroethene	10.63	164	573189	52.541	ug/l	98
65) Chlorobenzene	11.43	112	1246659	50.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	438643	51.458	ug/l	99
67) Ethyl Benzene	11.51	91	2173484	52.048	ug/l	100
68) m/p-Xylenes	11.62	106	1674891	106.232	ug/l	100
69) o-Xylene	11.95	106	804614	52.520	ug/l	99
70) Styrene	11.96	104	1338729	53.842	ug/l	99
71) Bromoform	12.13	173	304593	51.903	ug/l #	99
73) Isopropylbenzene	12.25	105	2176970	50.205	ug/l	99
74) N-amyl acetate	12.07	43	559446	48.398	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	414963	45.630	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	592655	75.952	ug/l #	100
77) Bromobenzene	12.53	156	559500	48.968	ug/l	99
78) n-propylbenzene	12.59	91	2574202	51.718	ug/l	100
79) 2-Chlorotoluene	12.67	91	1457575	49.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1817467	51.516	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	139328	45.432	ug/l	99
82) 4-Chlorotoluene	12.77	91	1523037	50.621	ug/l	99
83) tert-Butylbenzene	12.99	119	1598485	51.299	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1854841	52.142	ug/l	100
85) sec-Butylbenzene	13.17	105	2225580	52.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	1986344	53.532	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1040102	51.750	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1016394	50.414	ug/l	99
89) n-Butylbenzene	13.62	91	1733309	54.801	ug/l	99
90) Hexachloroethane	13.87	117	311257	53.485	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	965741	52.228	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61421	53.266	ug/l	98

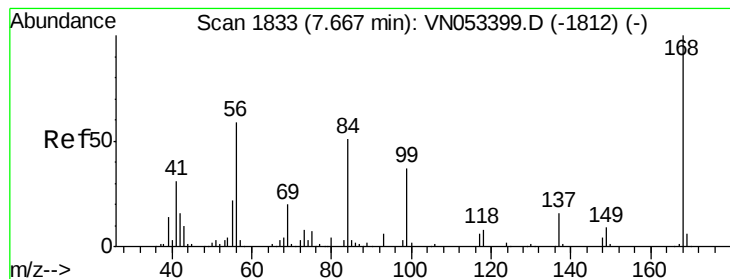
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	416983	51.048	ug/l	99
94) Hexachlorobutadiene	15.01	225	325634	56.454	ug/l	100
95) Naphthalene	15.13	128	649232	45.722	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	282878	47.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

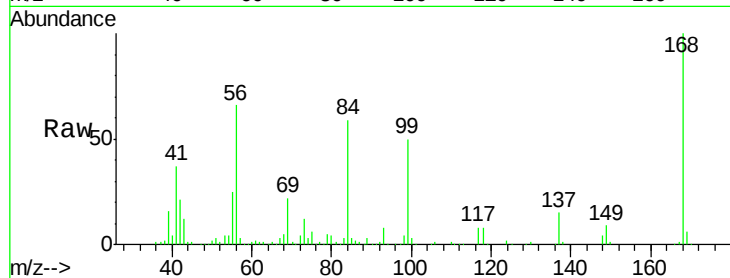
VSTDCCC050

Tot Ion:168 Resp: 873507

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

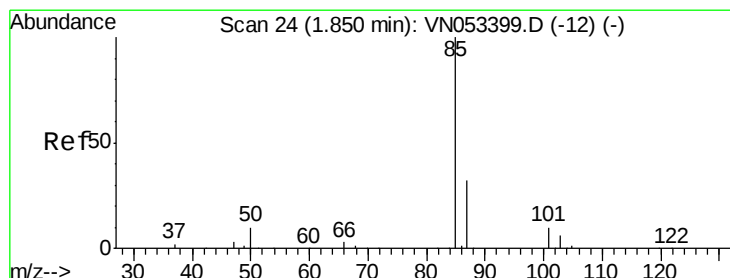
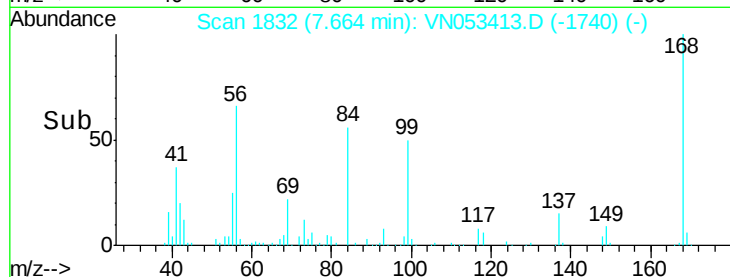
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.412 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053413.D

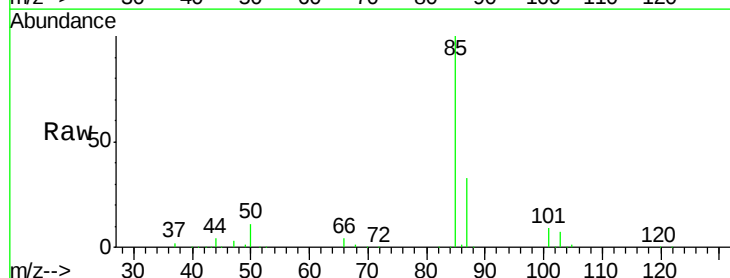
Acq: 16 Jan 2019 9:12

Tgt Ion: 85 Resp: 354046

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

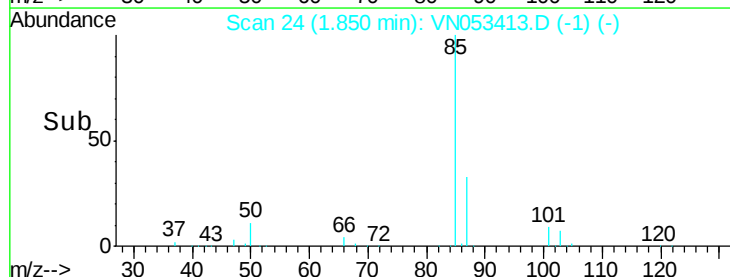
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.991 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

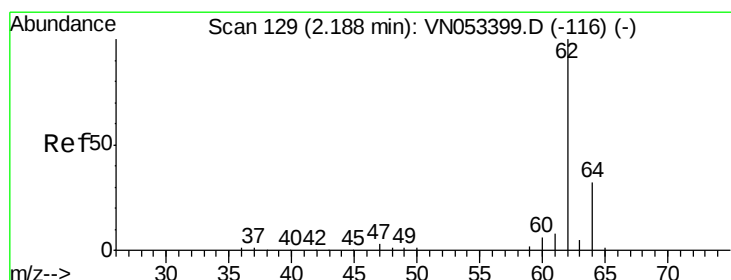
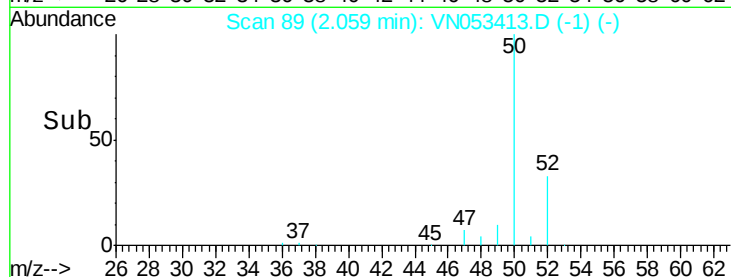
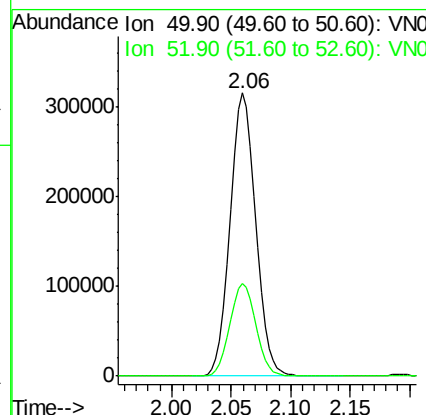
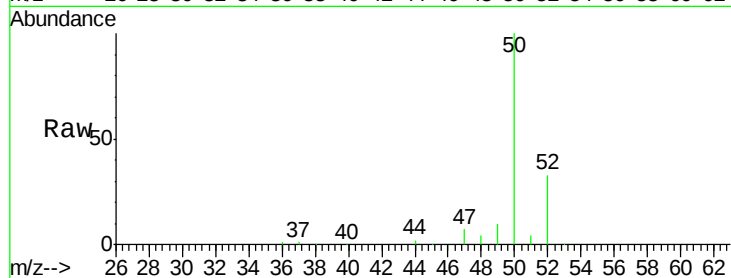
VSTDCCC050

Tot Ion: 50 Resp: 471842

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



#4

Vinyl Chloride

Concen: 47.924 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053413.D

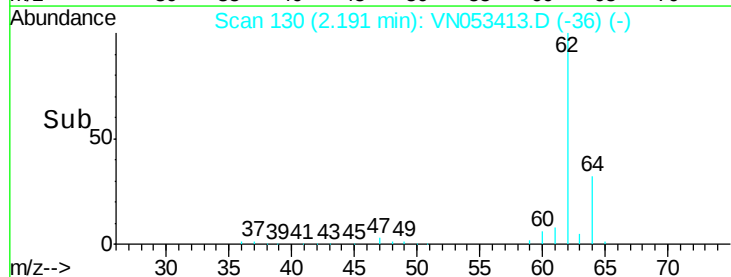
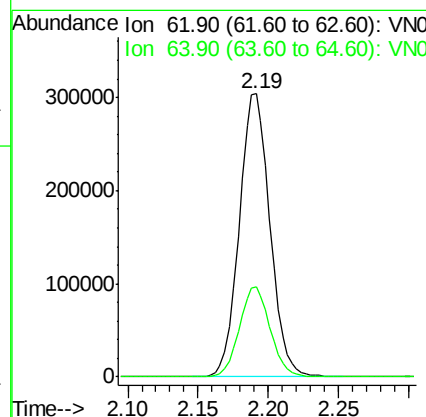
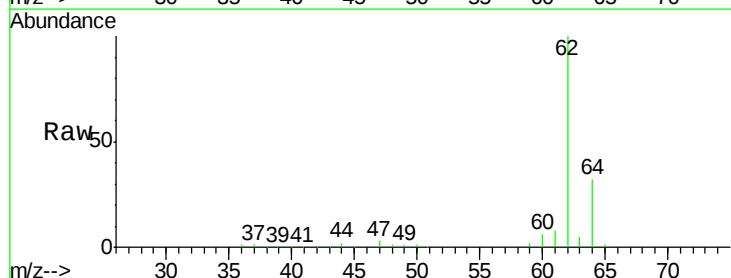
Acq: 16 Jan 2019 9:12

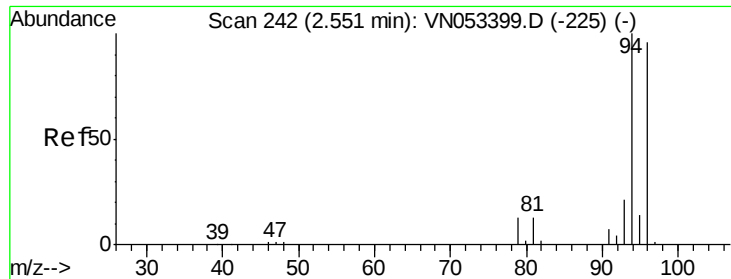
Tgt Ion: 62 Resp: 463866

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2

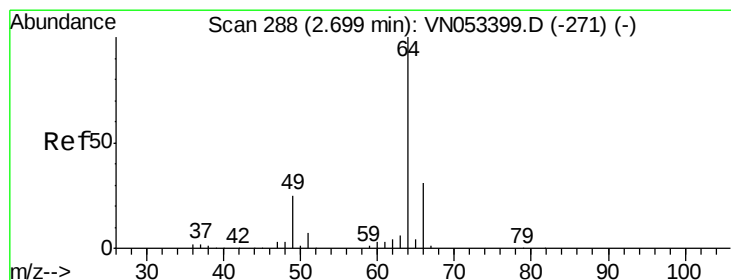
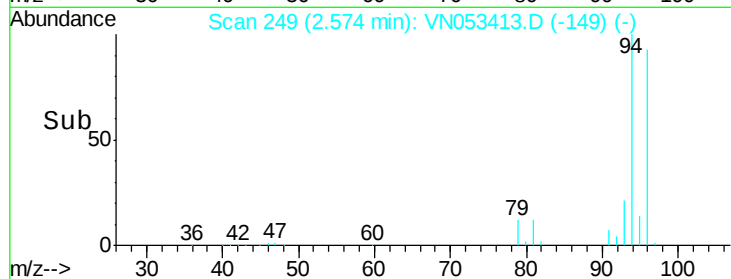
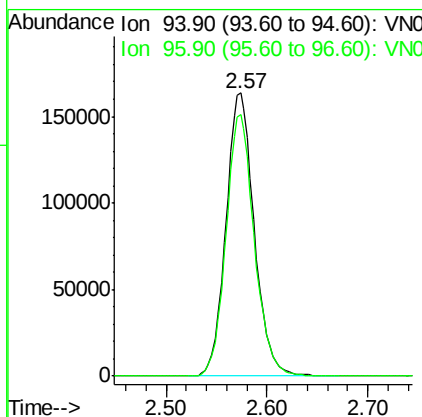
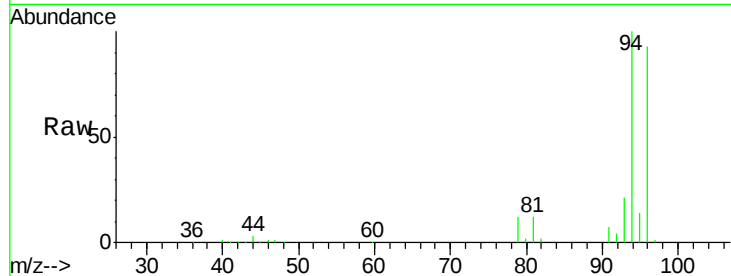




#5
Bromomethane
Concen: 48.077 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.02 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

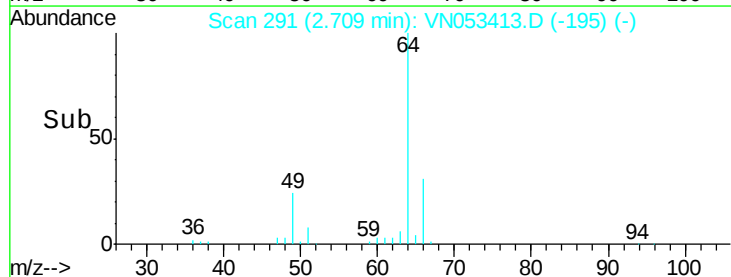
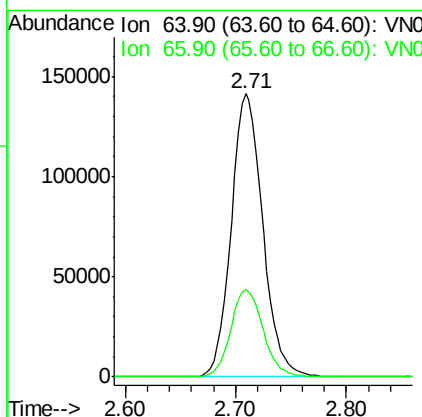
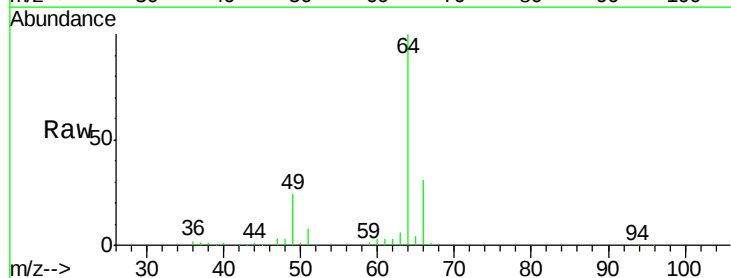
Instrument :
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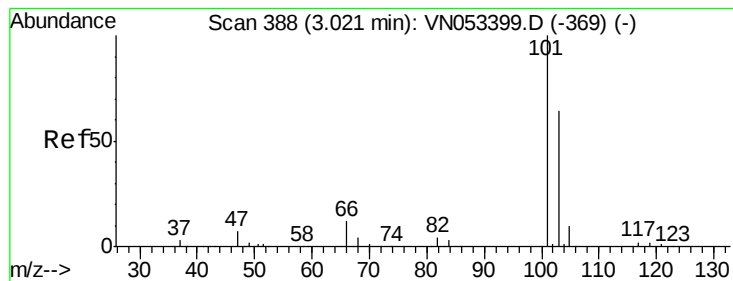
Tot Ion: 94 Resp: 319293
Ion Ratio Lower Upper
94 100
96 92.6 76.8 115.2



#6
Chloroethane
Concen: 47.886 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 64 Resp: 280226
Ion Ratio Lower Upper
64 100
66 30.8 25.1 37.7





#7

Trichlorofluoromethane

Concen: 49.788 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.01 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

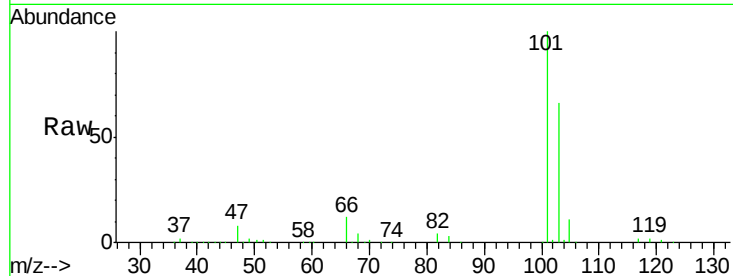
VSTDCCC050

Tot Ion:101 Resp: 630335

Ion Ratio Lower Upper

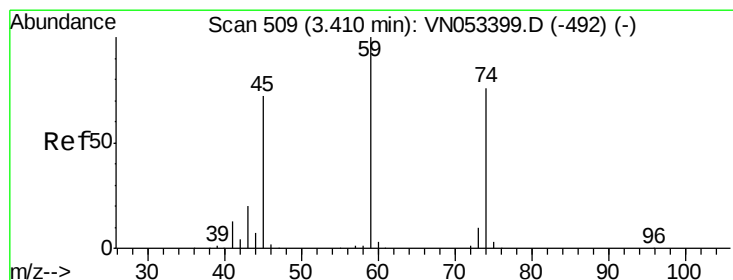
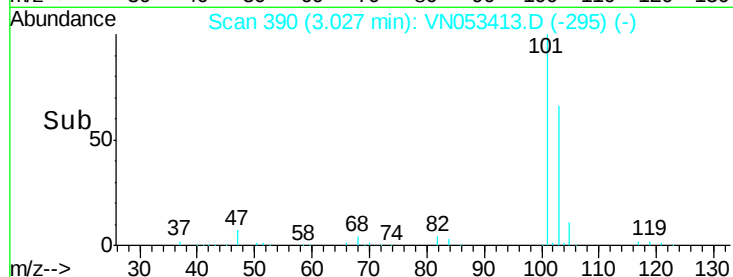
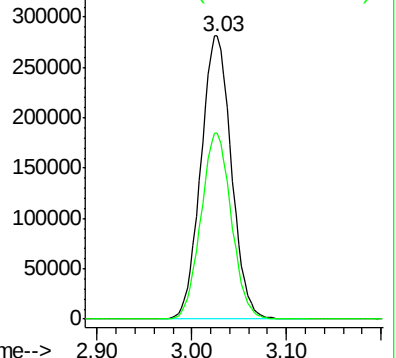
101 100

103 65.5 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.273 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN053413.D

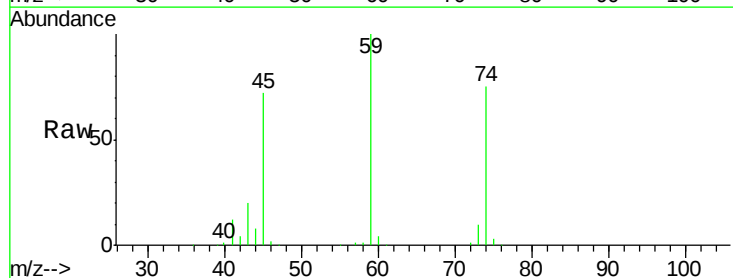
Acq: 16 Jan 2019 9:12

Tgt Ion: 74 Resp: 229540

Ion Ratio Lower Upper

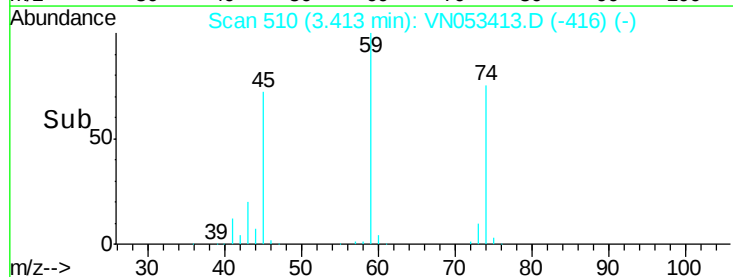
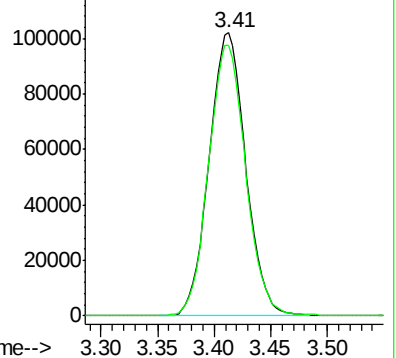
74 100

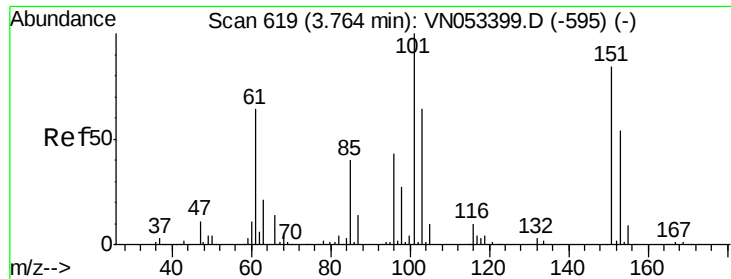
45 97.2 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.734 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

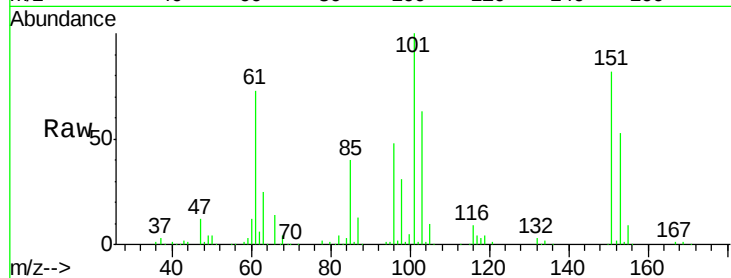
Tot Ion:101 Resp: 414808

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

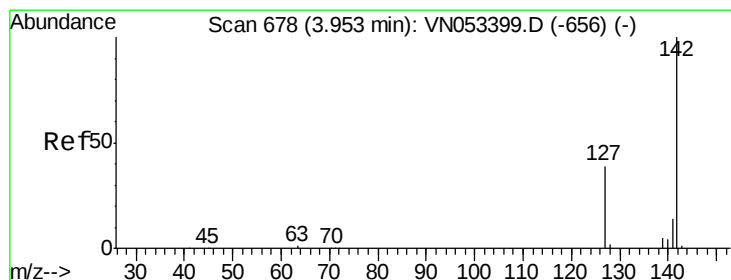
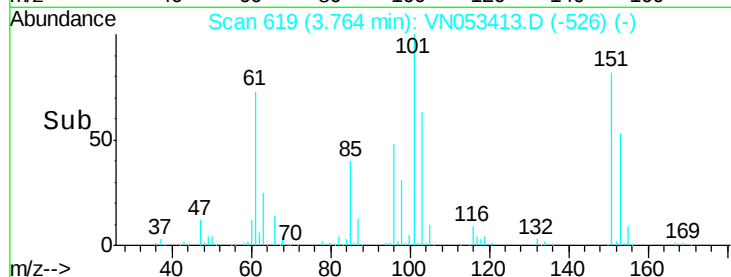
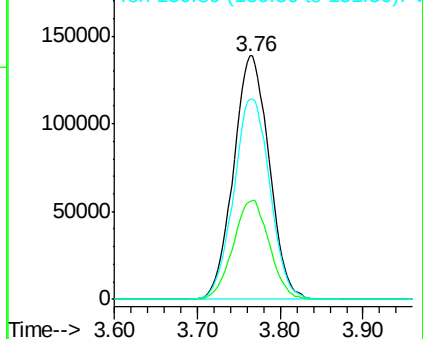
151 83.6 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.249 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

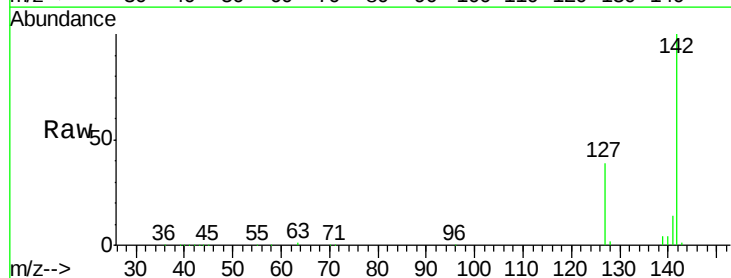
Tgt Ion:142 Resp: 603440

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

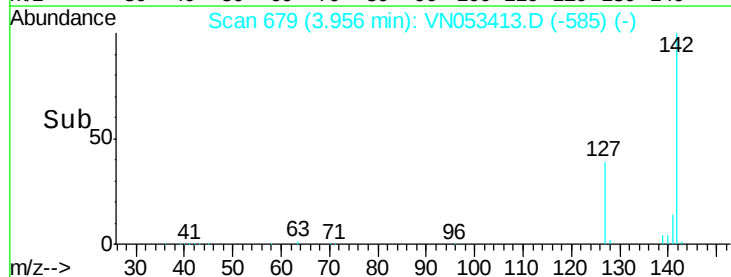
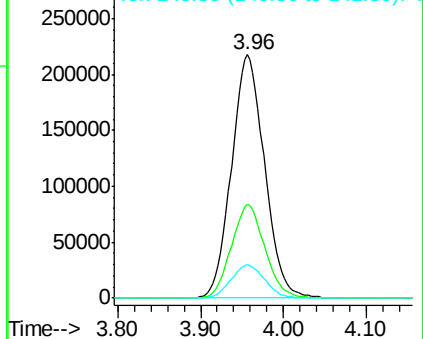
141 14.0 11.1 16.7

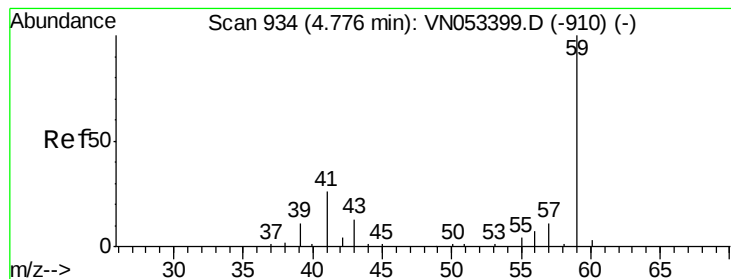


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



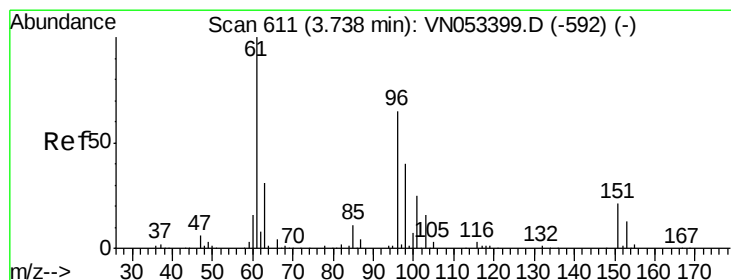
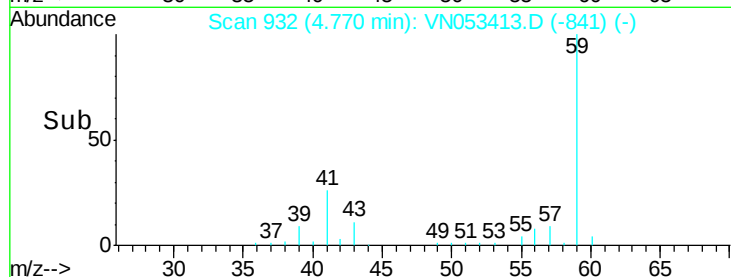
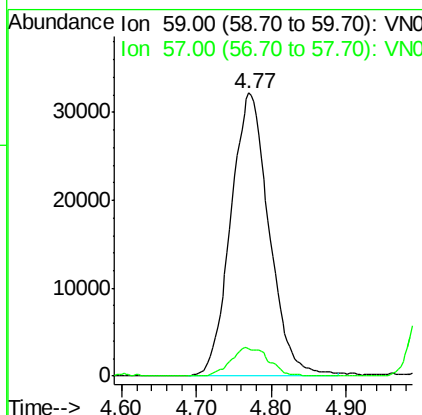
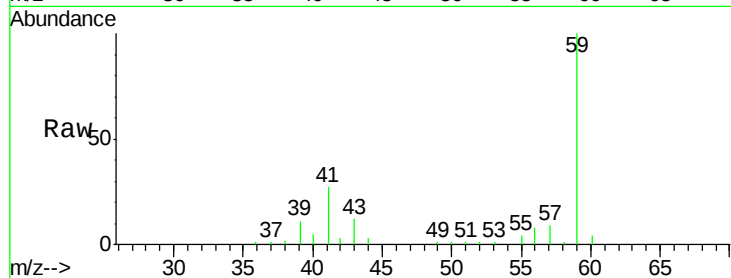


#11

Tert butyl alcohol
 Concen: 270.944 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

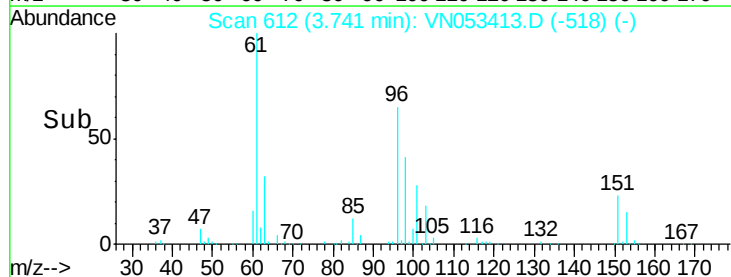
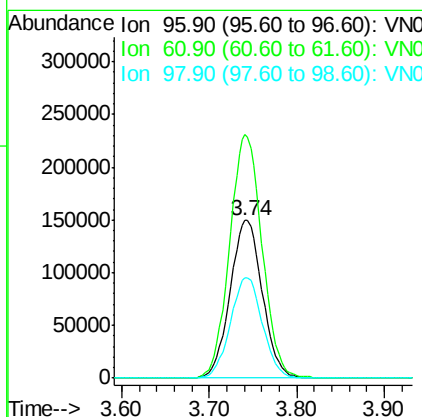
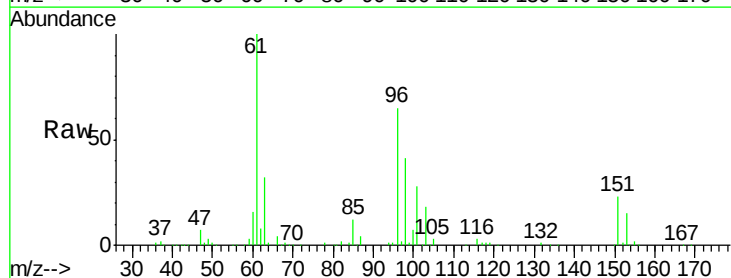
Tot Ion: 59 Resp: 114465
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

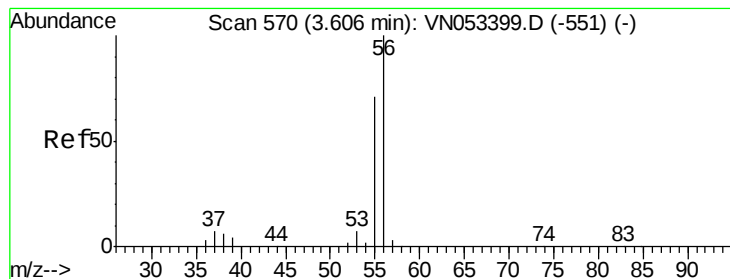


#12

1,1-Dichloroethene
 Concen: 49.085 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 96 Resp: 381735
 Ion Ratio Lower Upper
 96 100
 61 154.5 122.9 184.3
 98 63.8 49.4 74.0





#13

Acrolein

Concen: 207.952 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

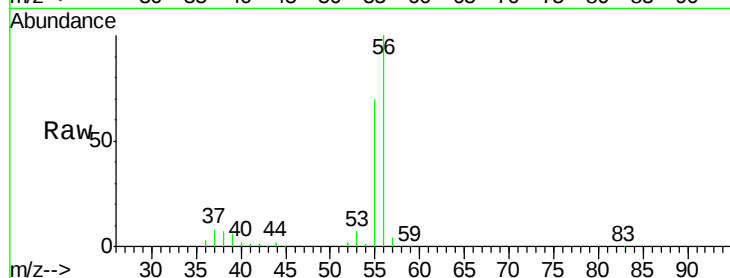
VSTDCCC050

Tot Ion: 56 Resp: 167961

Ion Ratio Lower Upper

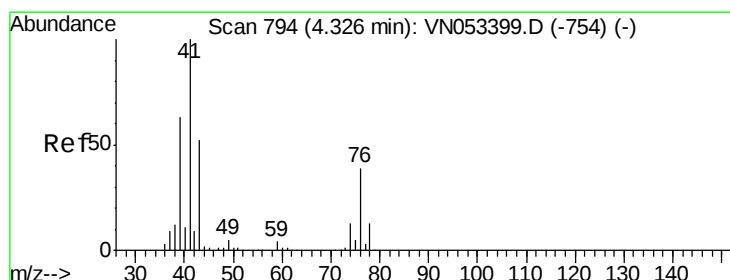
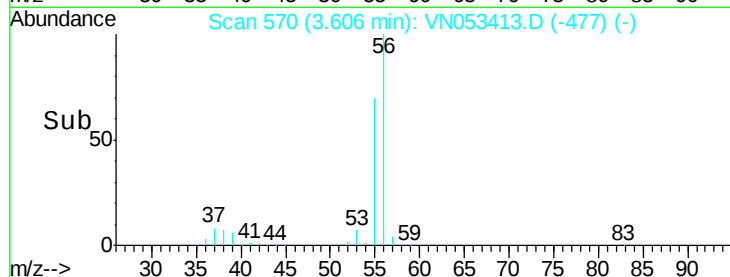
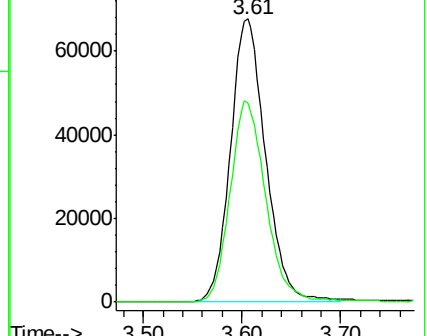
56 100

55 70.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.392 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

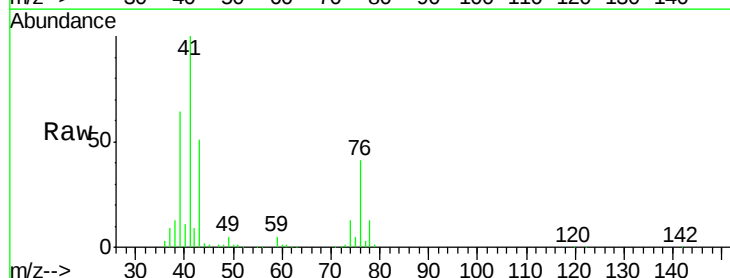
Tgt Ion: 41 Resp: 598665

Ion Ratio Lower Upper

41 100

39 64.3 48.9 73.3

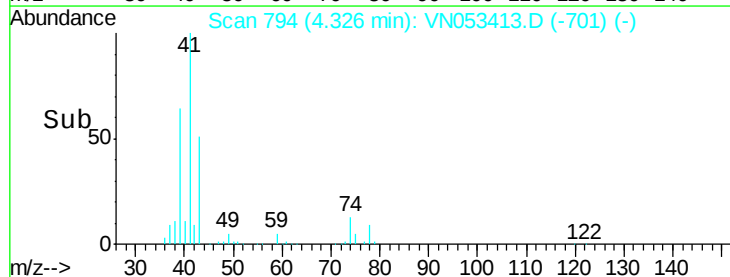
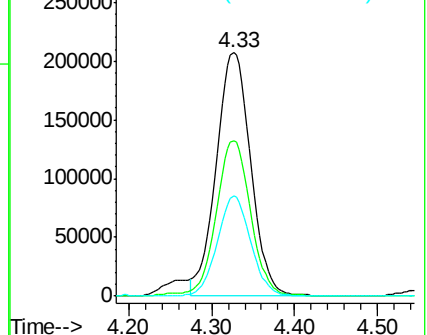
76 39.1 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.103 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

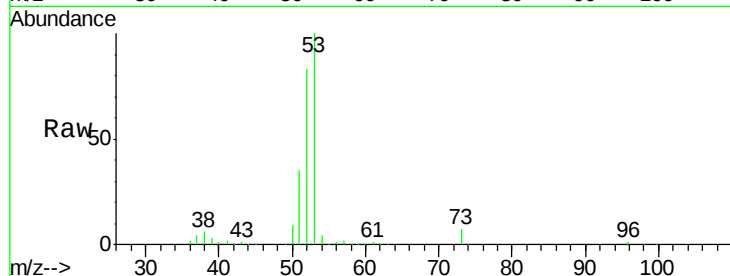
Tot Ion: 53 Resp: 675900

Ion Ratio Lower Upper

53 100

52 82.8 66.0 99.0

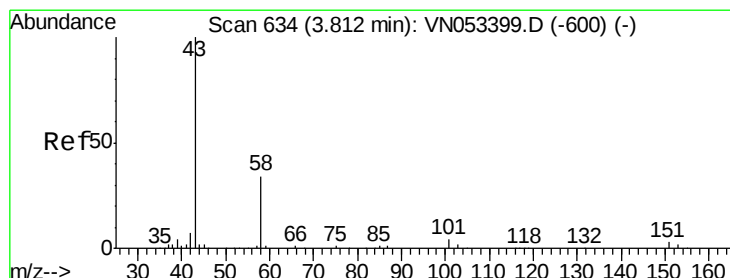
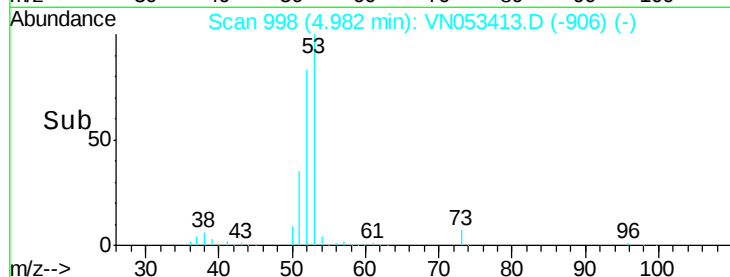
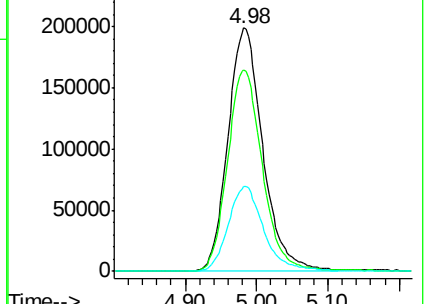
51 35.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 262.015 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053413.D

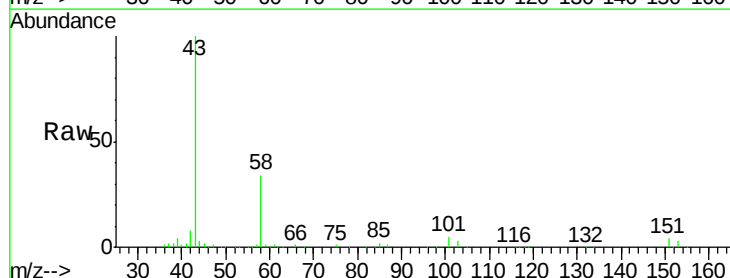
Acq: 16 Jan 2019 9:12

Tgt Ion: 43 Resp: 530747

Ion Ratio Lower Upper

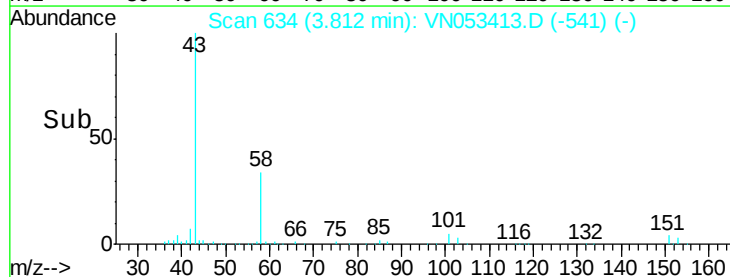
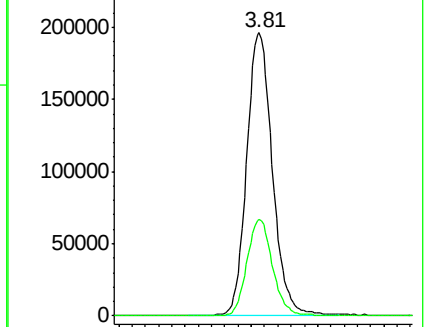
43 100

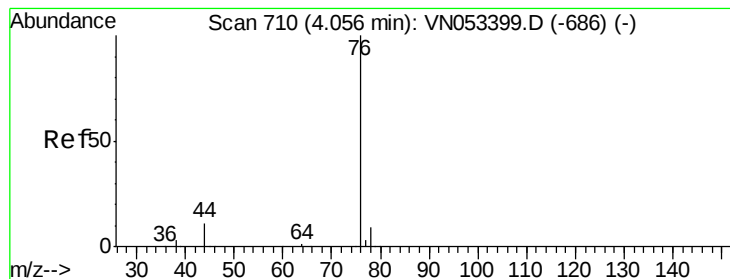
58 34.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)





#17

Carbon Disulfide

Concen: 49.266 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

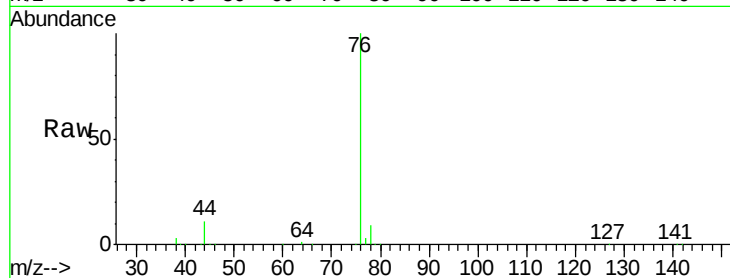
VSTDCCC050

Tot Ion: 76 Resp: 1158627

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

500000

400000

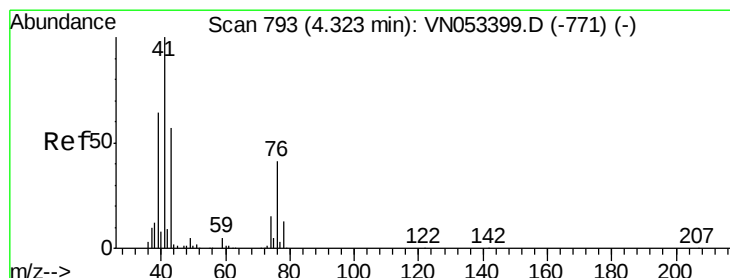
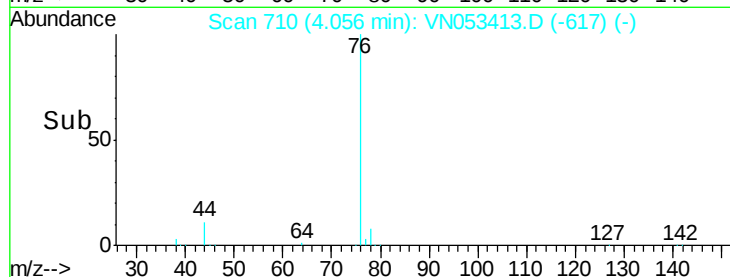
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 46.492 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053413.D

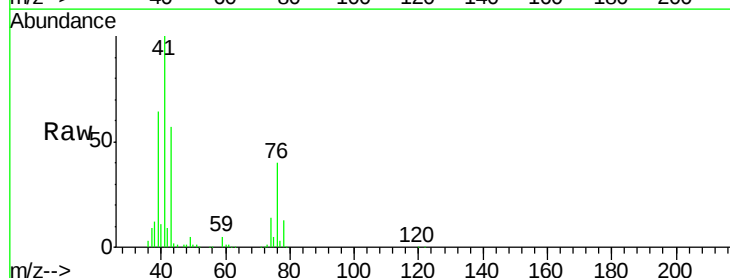
Acq: 16 Jan 2019 9:12

Tgt Ion: 43 Resp: 317297

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

120000

100000

80000

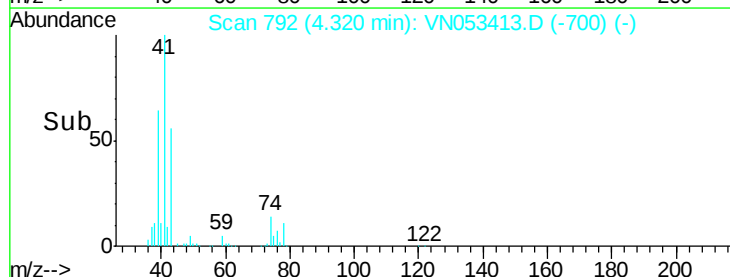
60000

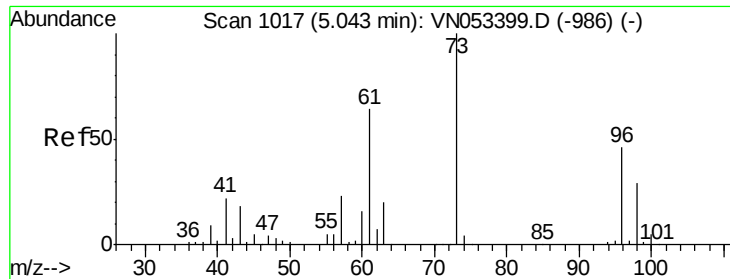
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

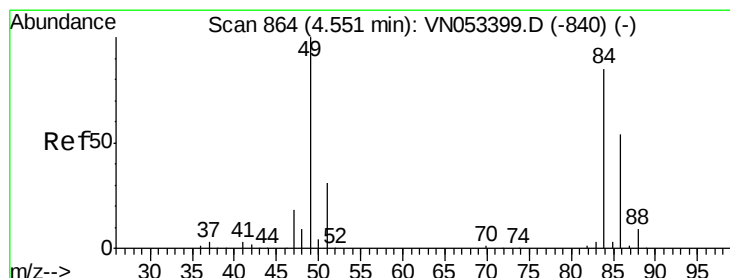
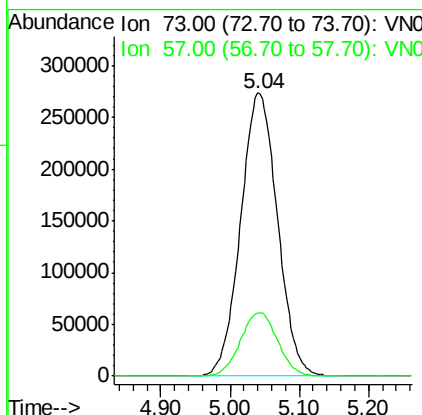
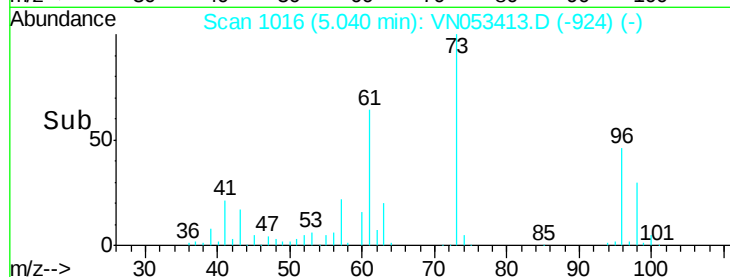
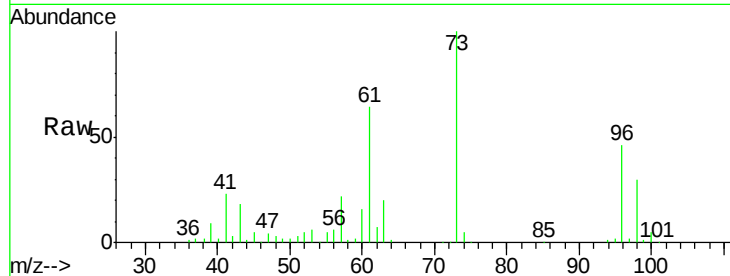




#19
Methyl tert-butyl Ether
Concen: 48.887 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

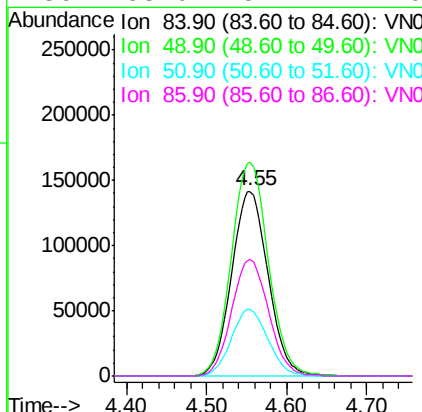
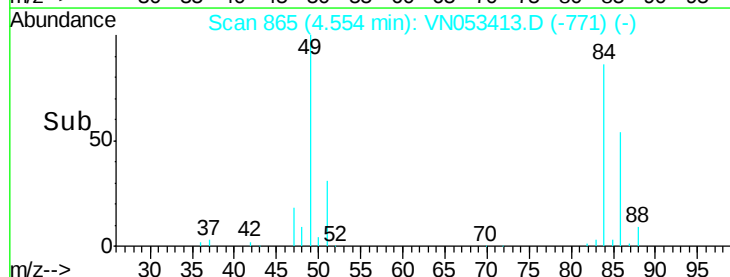
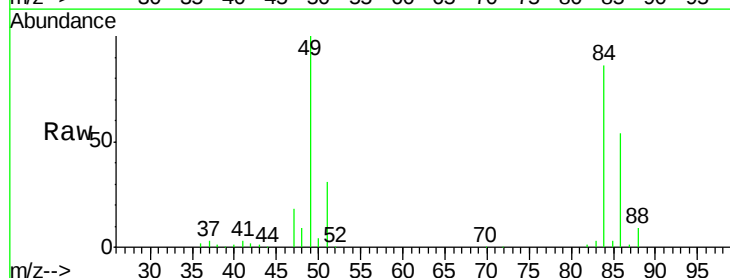
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

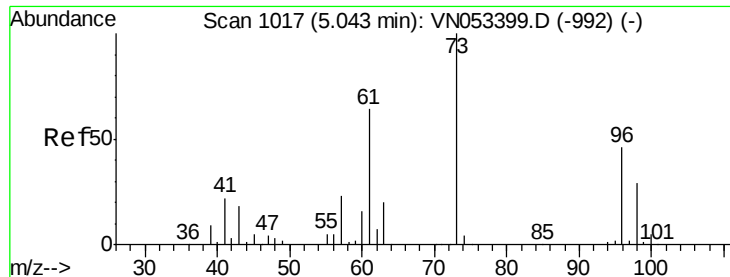
Tot Ion: 73 Resp: 1010190
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5



#20
Methylene Chloride
Concen: 47.363 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 84 Resp: 438020
Ion Ratio Lower Upper
84 100
49 115.7 94.3 141.5
51 36.0 29.4 44.2
86 63.0 51.4 77.0

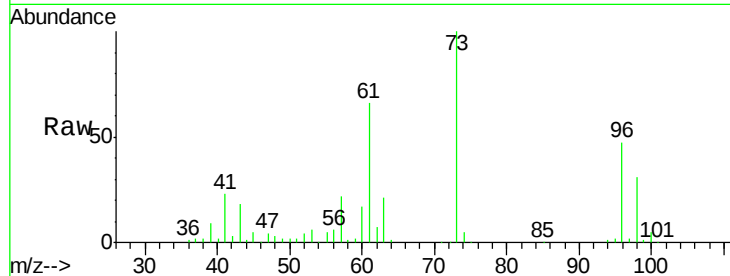




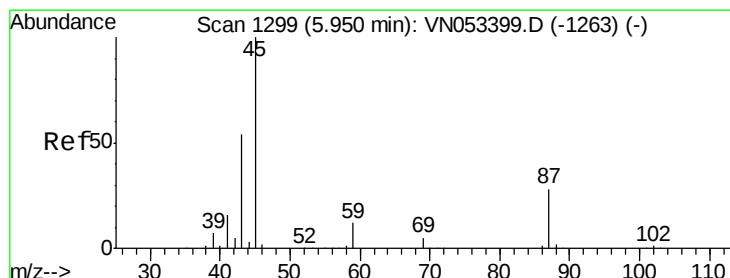
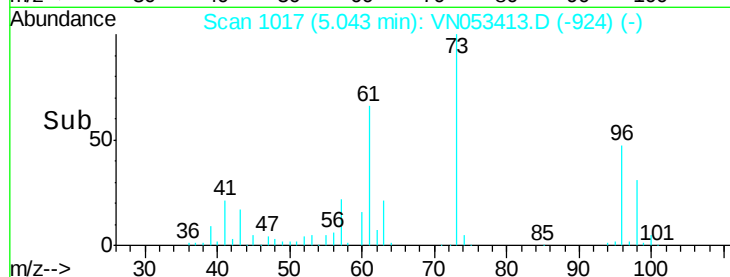
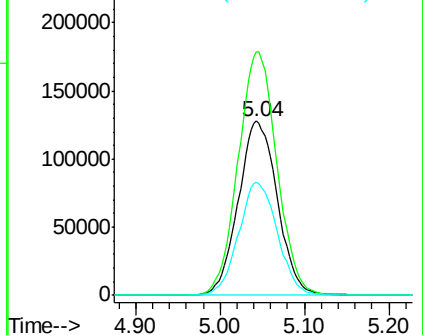
#21
trans-1,2-Dichloroethene
Concen: 49.595 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 412355
Ion Ratio Lower Upper
96 100
61 139.7 110.1 165.1
98 65.1 50.0 75.0

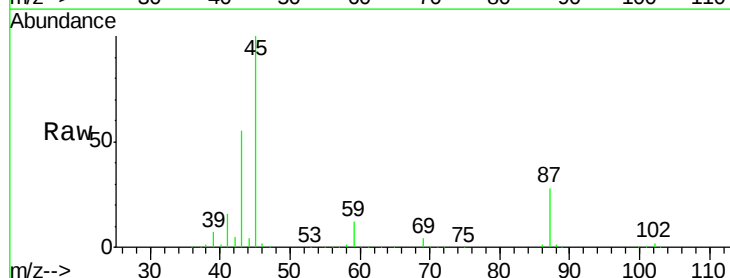


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

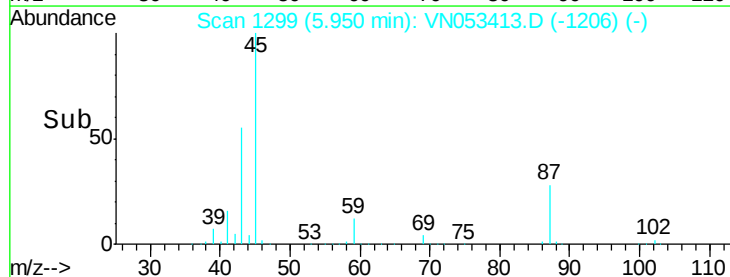
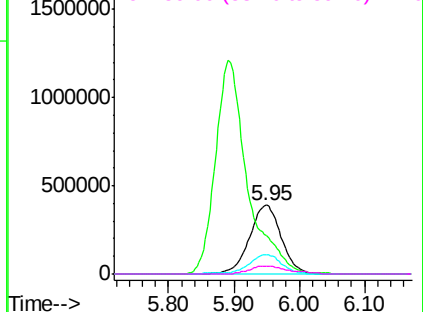


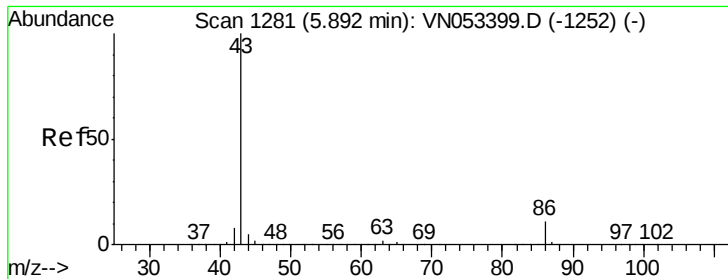
#22
Diisopropyl ether
Concen: 49.904 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 45 Resp: 1316030
Ion Ratio Lower Upper
45 100
43 54.7 44.2 66.4
87 28.2 22.7 34.1
59 11.7 9.4 14.2



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: 253.816 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

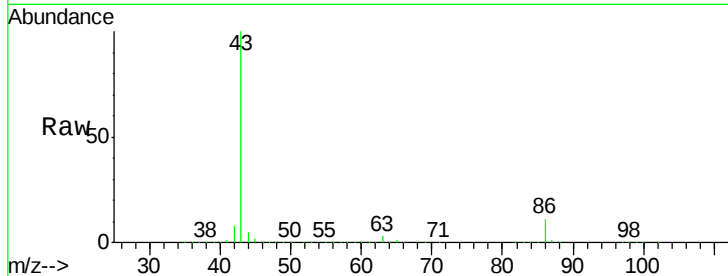
VSTDCCC050

Tot Ion: 43 Resp: 4114521

Ion Ratio Lower Upper

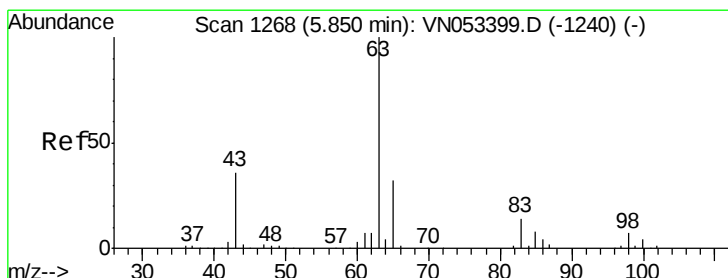
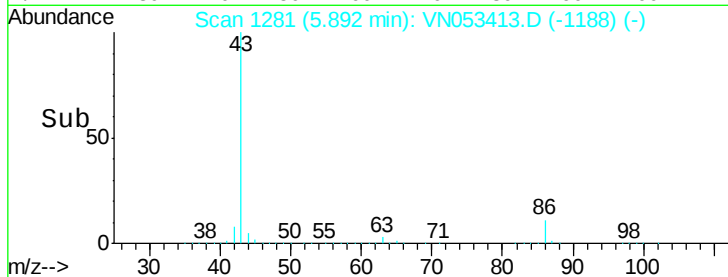
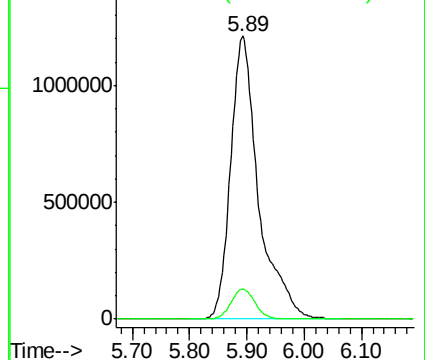
43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.921 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

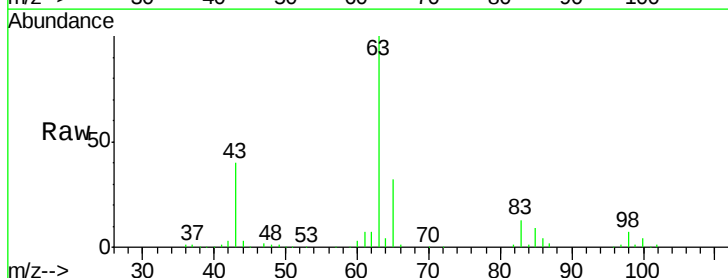
Tgt Ion: 63 Resp: 762663

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

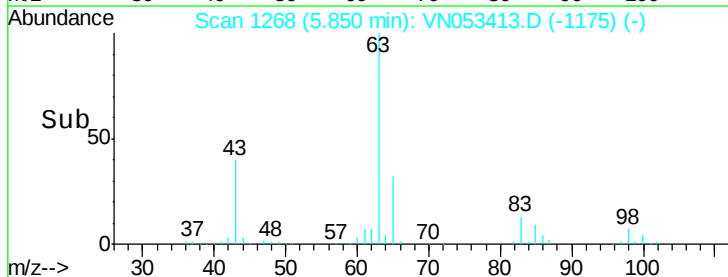
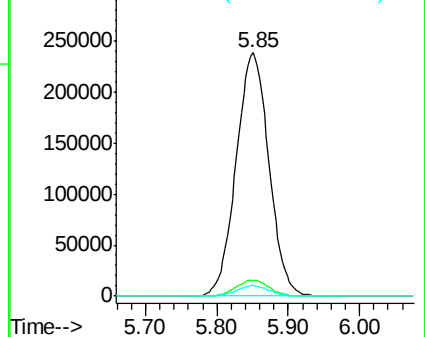
100 4.4 2.1 6.5

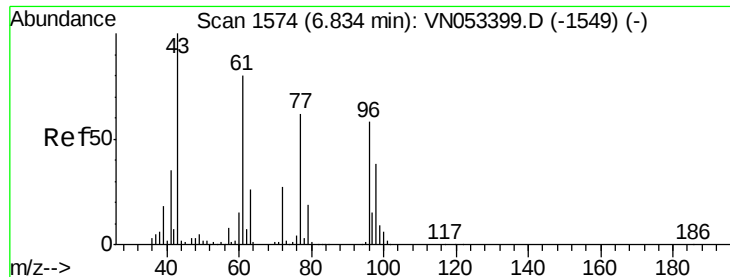


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 253.495 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

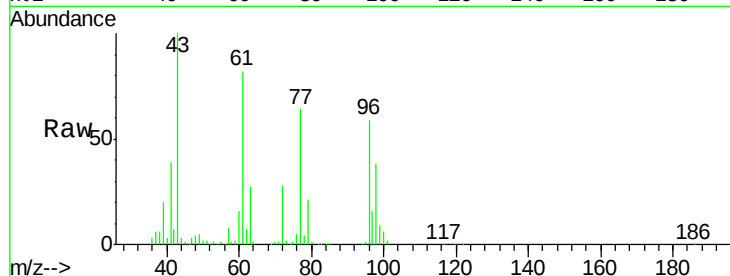
VSTDCCC050

Tot Ion: 43 Resp: 791294

Ion Ratio Lower Upper

43 100

72 27.6 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

250000

200000

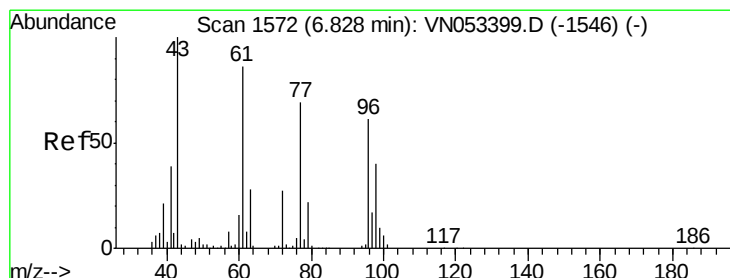
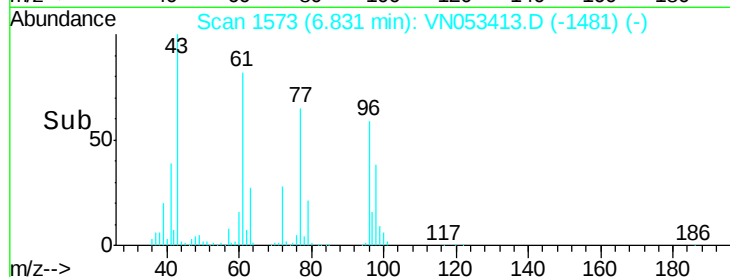
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.830 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053413.D

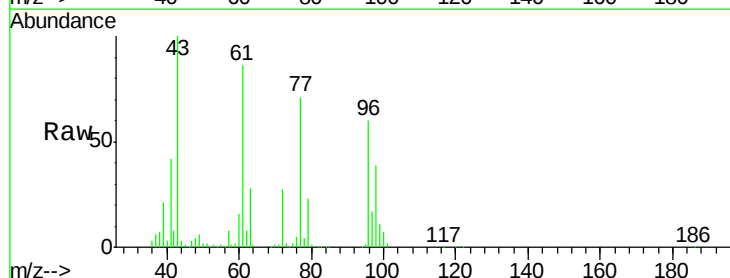
Acq: 16 Jan 2019 9:12

Tgt Ion: 77 Resp: 586522

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

200000

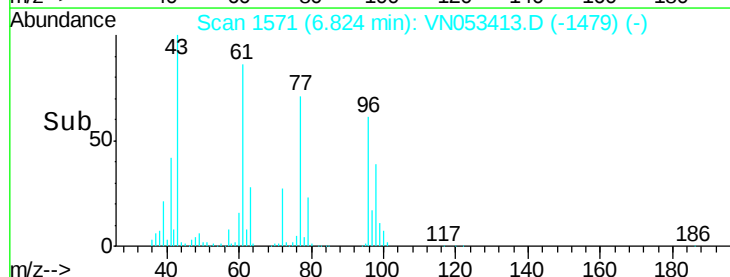
150000

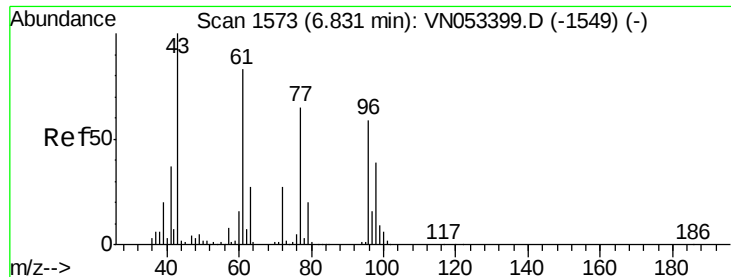
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.853 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

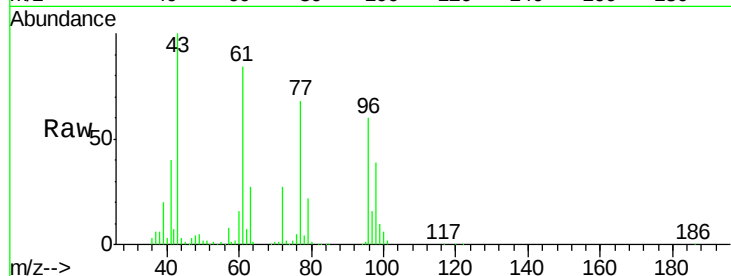
Tot Ion: 96 Resp: 473987

Ion Ratio Lower Upper

96 100

61 142.8 0.0 283.8

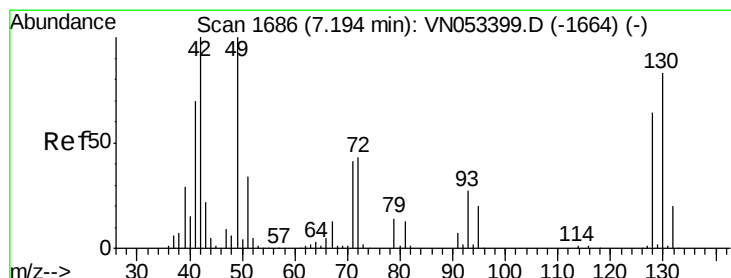
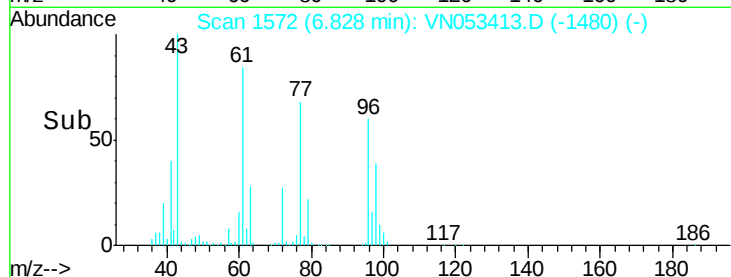
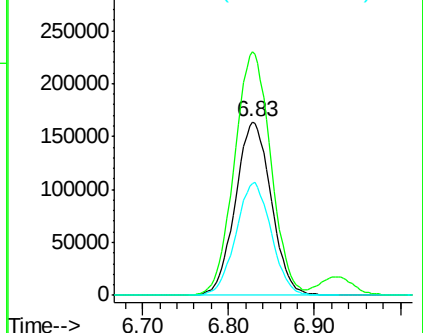
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)



#28

Bromochloromethane

Concen: 49.533 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

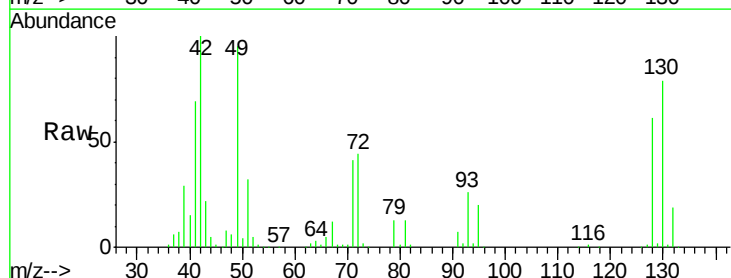
Tgt Ion: 49 Resp: 340185

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

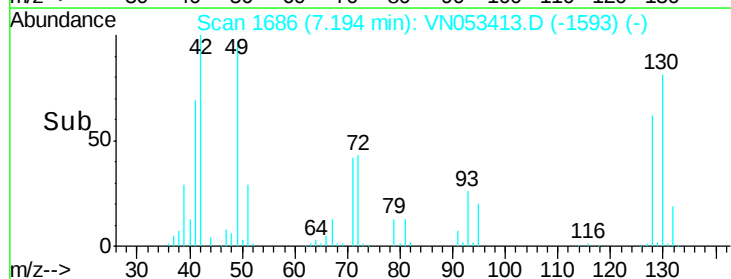
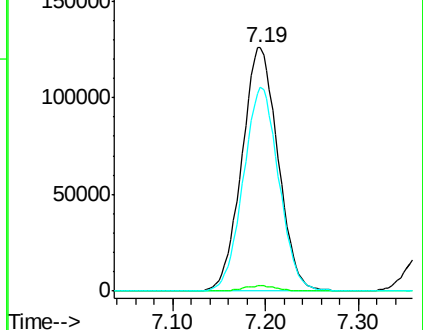
130 82.7 66.3 99.5

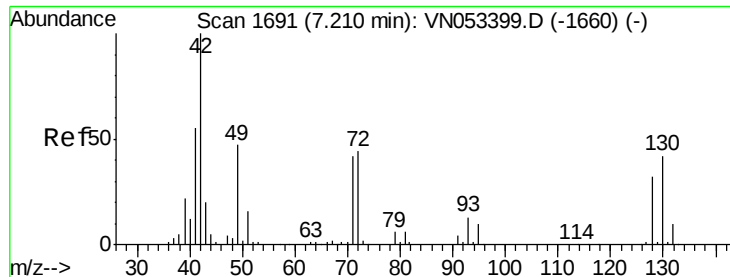


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 243.604 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

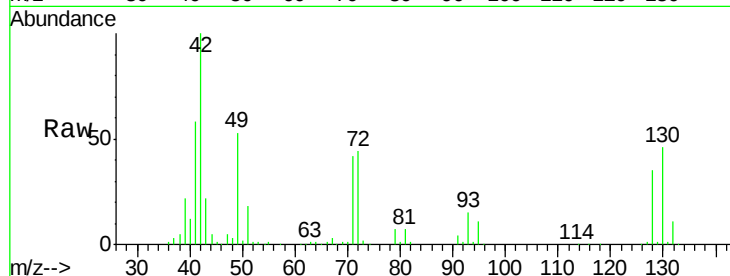
Tot Ion: 42 Resp: 495034

Ion Ratio Lower Upper

42 100

72 43.8 35.2 52.8

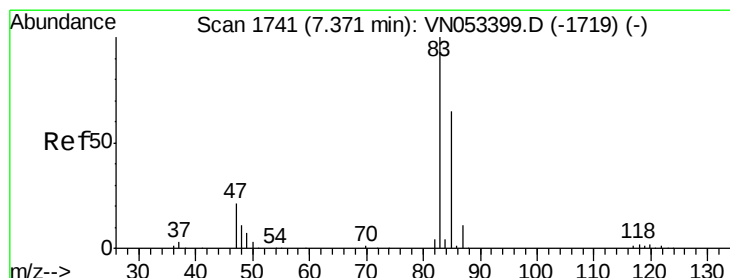
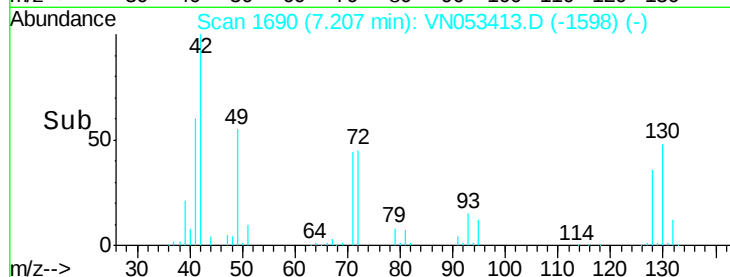
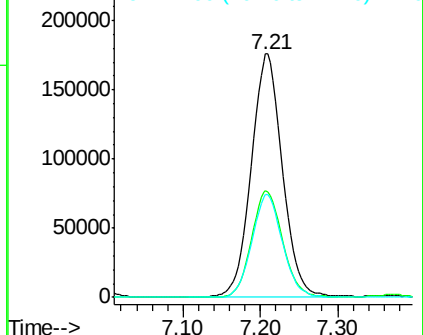
71 41.6 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)



#30

Chloroform

Concen: 49.440 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053413.D

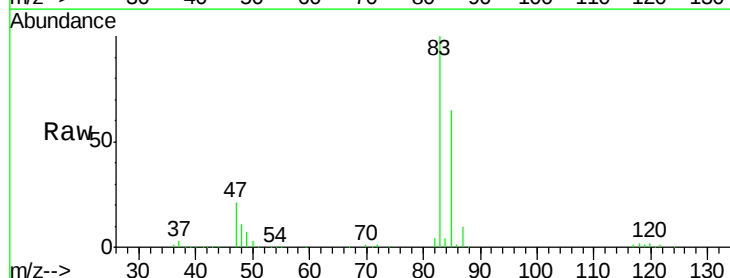
Acq: 16 Jan 2019 9:12

Tgt Ion: 83 Resp: 750956

Ion Ratio Lower Upper

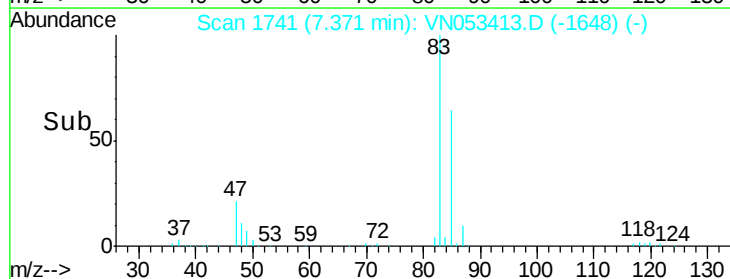
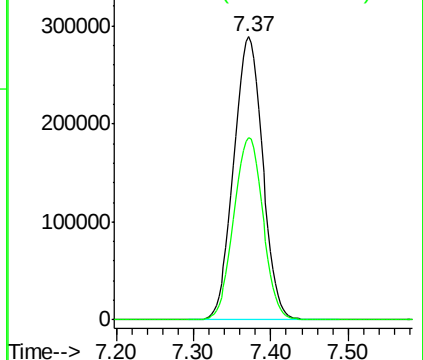
83 100

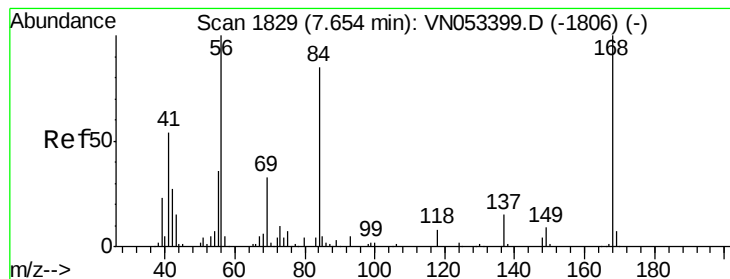
85 64.5 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-1719) (-)





#31

Cyclohexane

Concen: 49.319 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

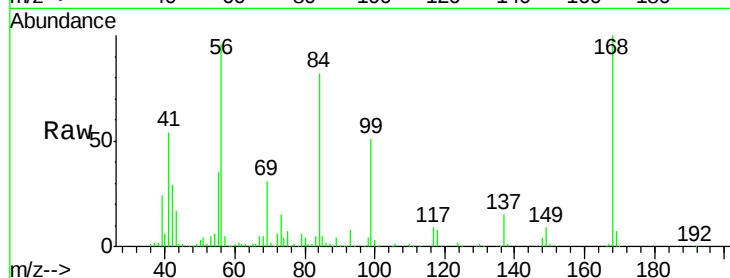
Tot Ion: 56 Resp: 748296

Ion Ratio Lower Upper

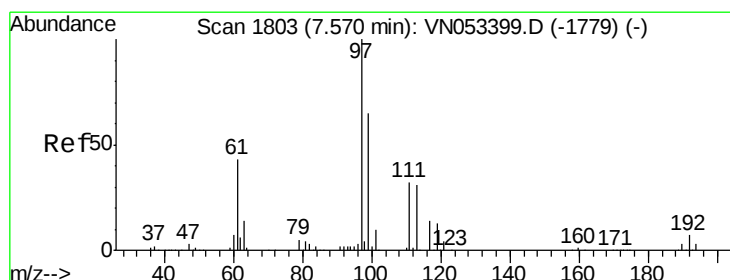
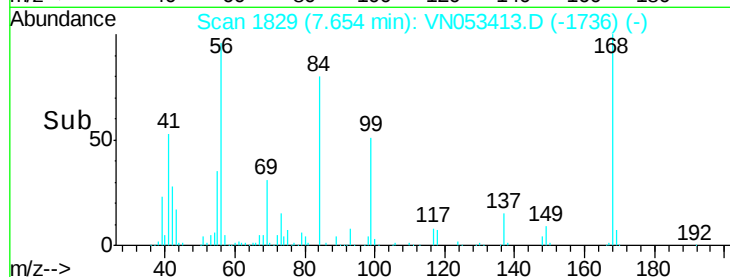
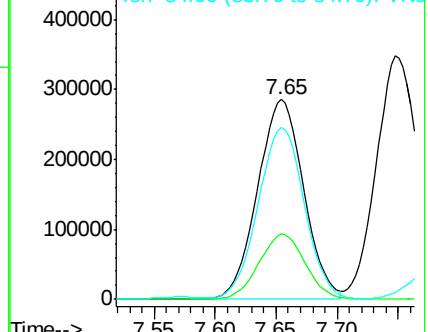
56 100

69 32.6 26.4 39.6

84 84.8 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 49.231 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

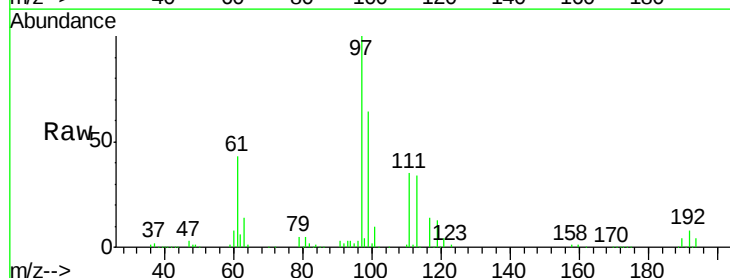
Tgt Ion: 97 Resp: 634328

Ion Ratio Lower Upper

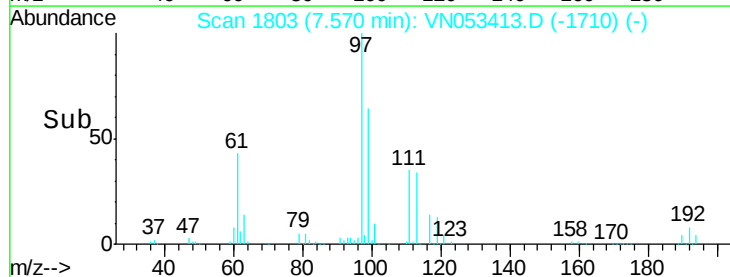
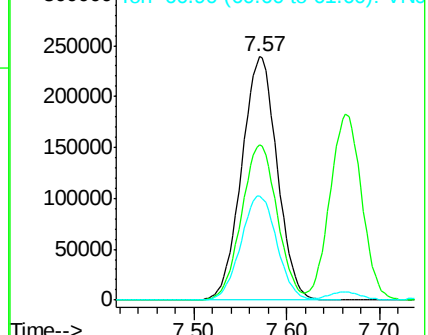
97 100

99 64.2 52.0 78.0

61 43.5 34.4 51.6



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

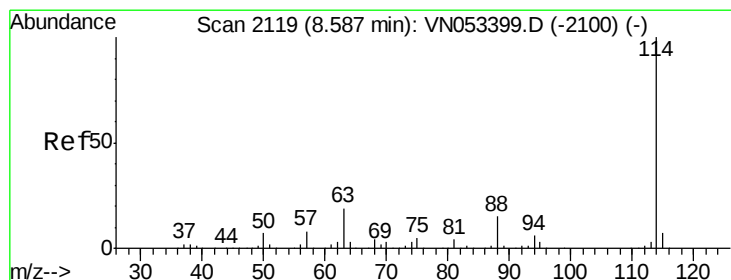
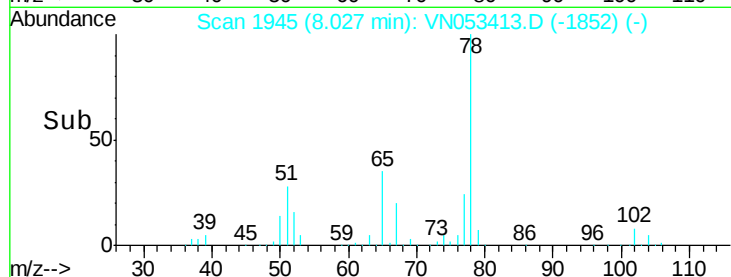
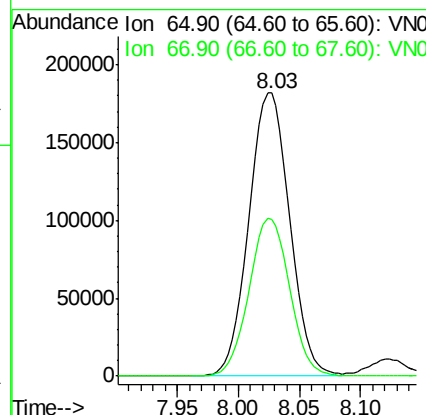
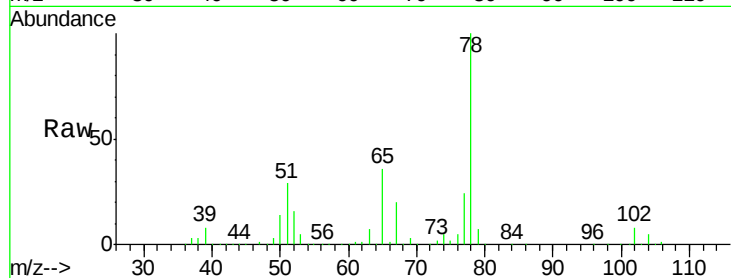




#33
 1,2-Dichloroethane-d4
 Concen: 49.231 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

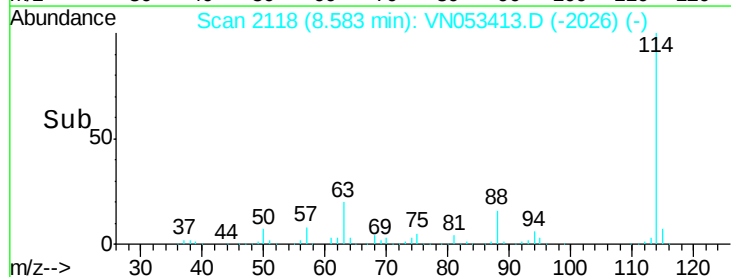
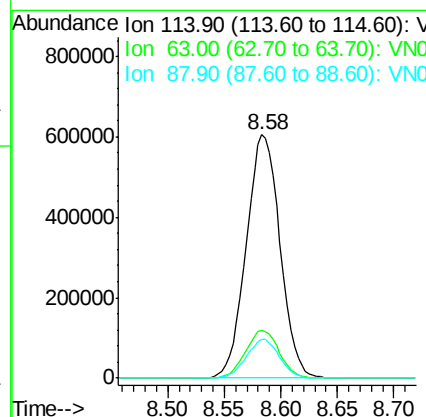
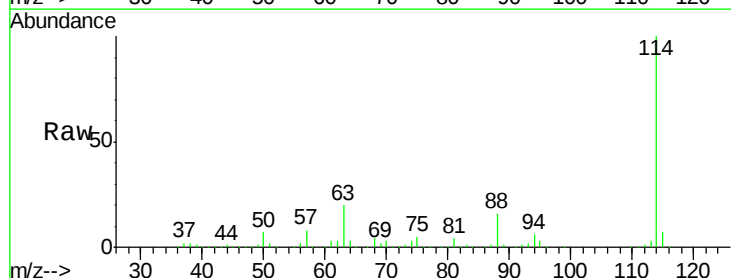
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

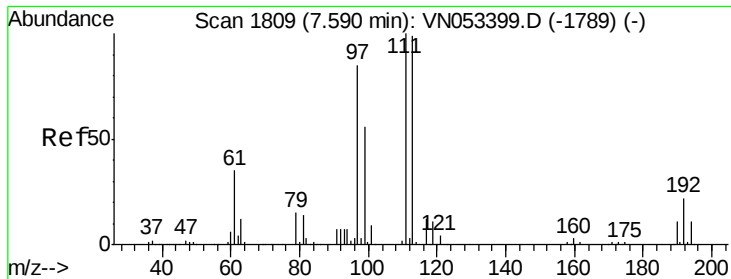
Tot Ion: 65 Resp: 421995
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 114 Resp: 1258816
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.9 0.0 30.4

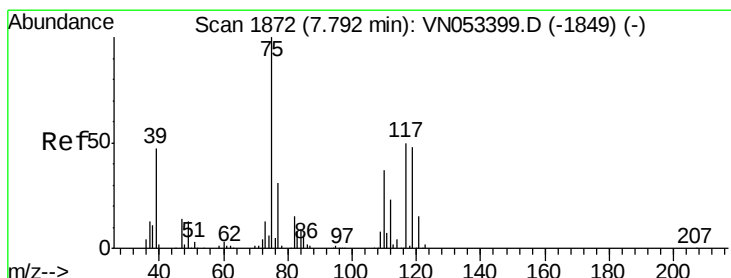
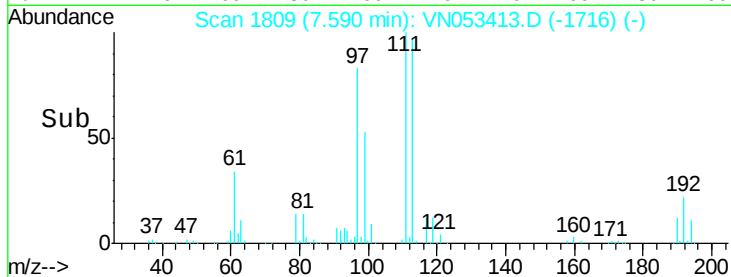
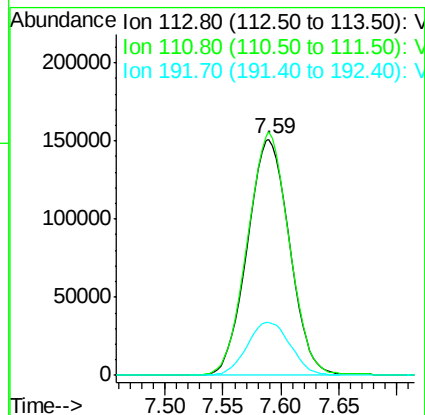
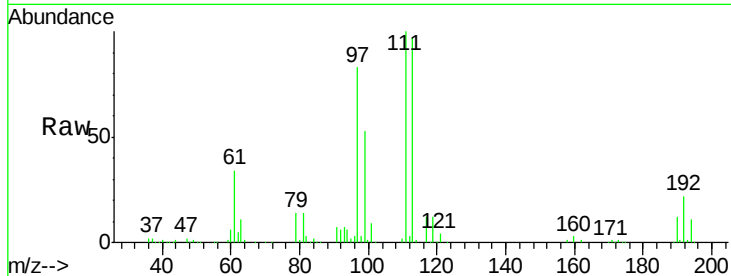




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

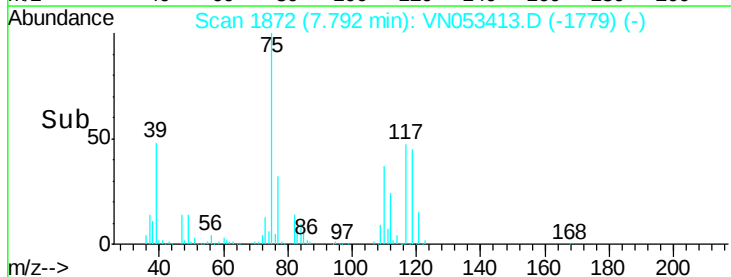
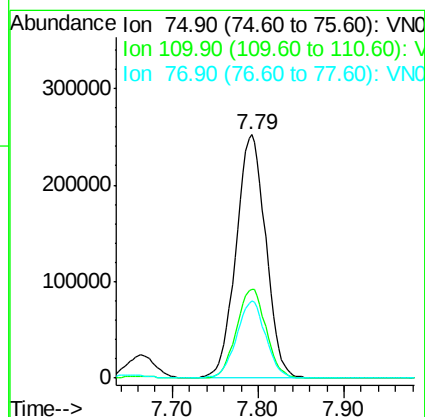
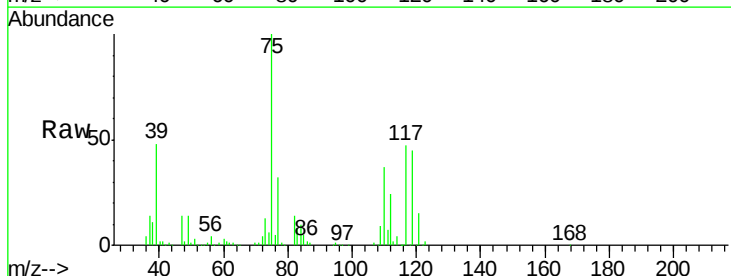
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

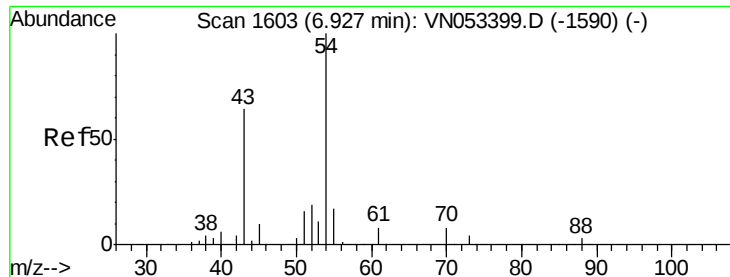
Tot Ion:113 Resp: 381705
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.1 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 52.609 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 75 Resp: 603118
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 31.2 25.1 37.7

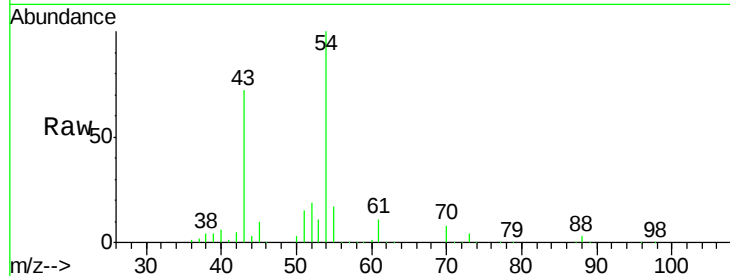




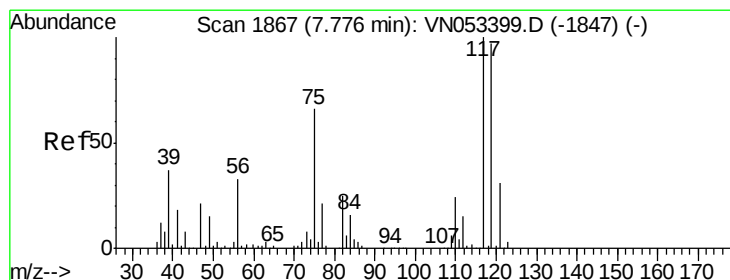
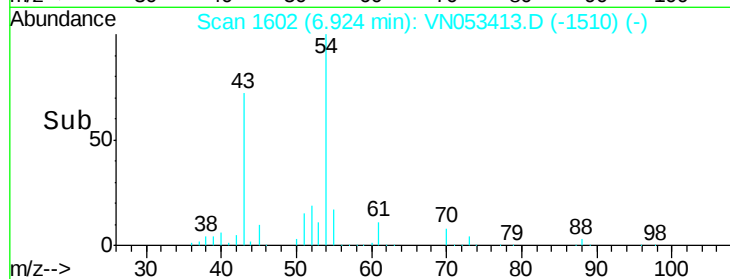
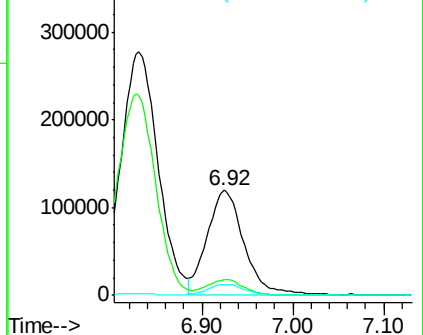
#37
Ethyl Acetate
Concen: 50.446 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 332727
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 10.4 8.6 12.8

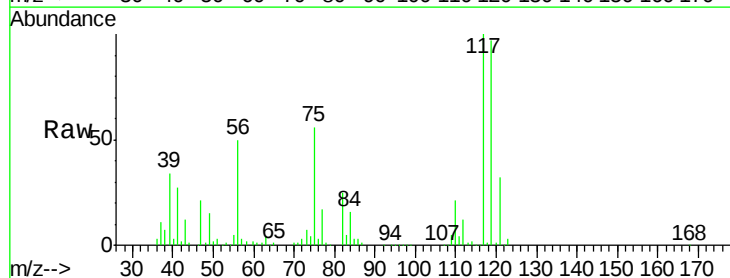


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

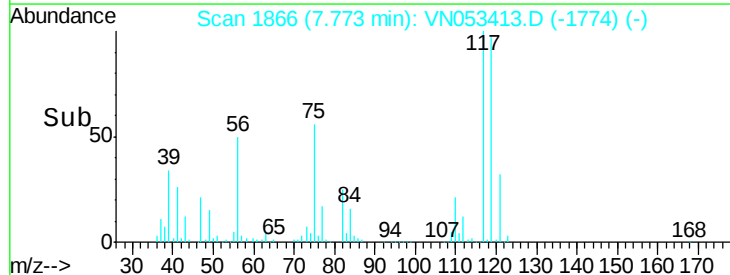
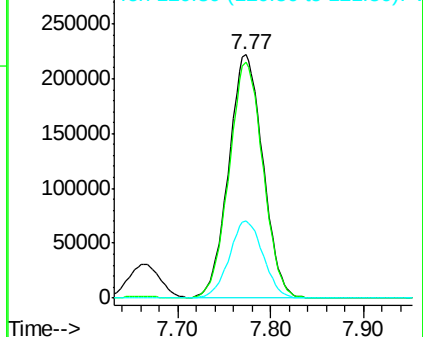


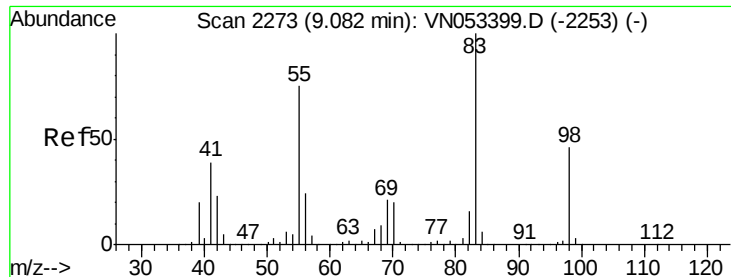
#38
Carbon Tetrachloride
Concen: 52.311 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 117 Resp: 567764
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.6 24.6 37.0



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

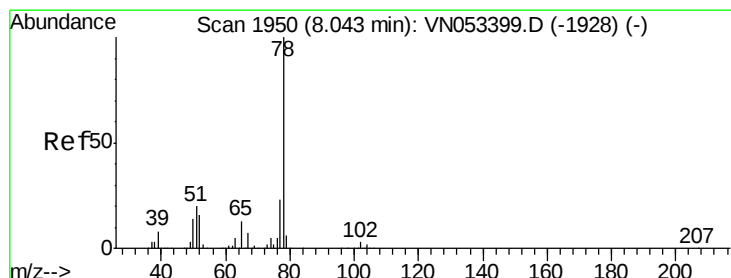
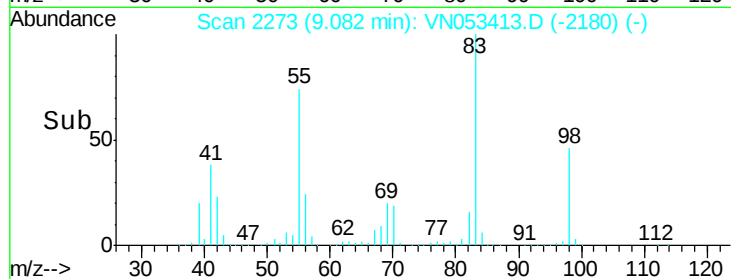
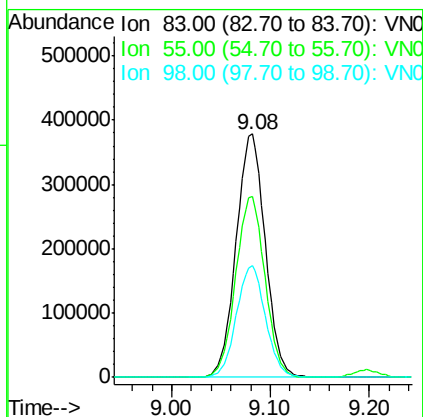
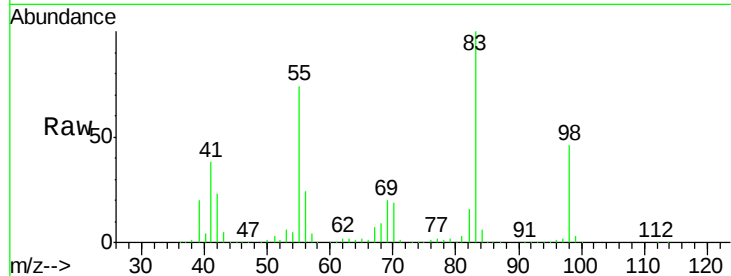




#39
Methvlcvclohexane
Concen: 54.723 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

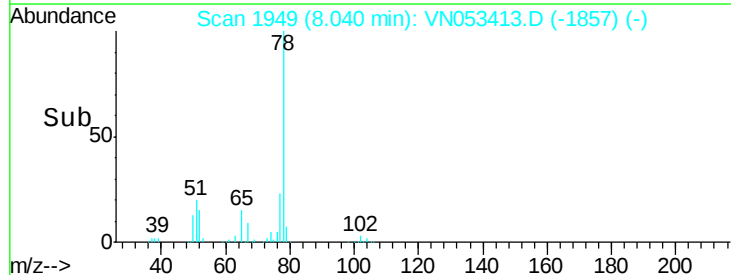
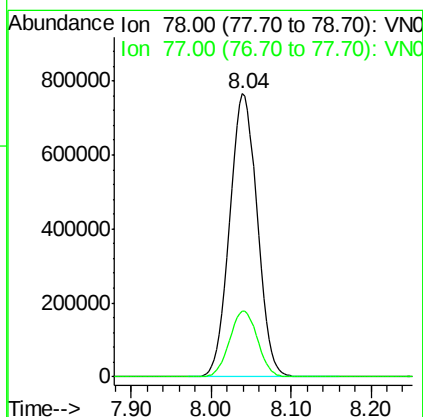
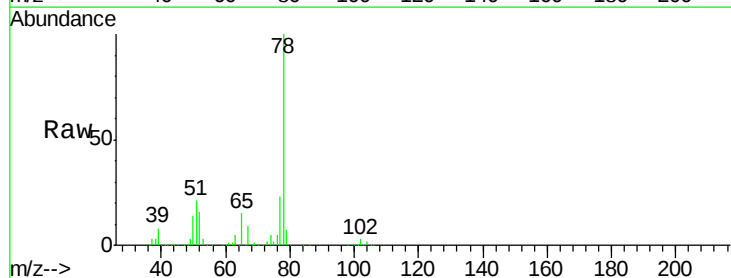
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

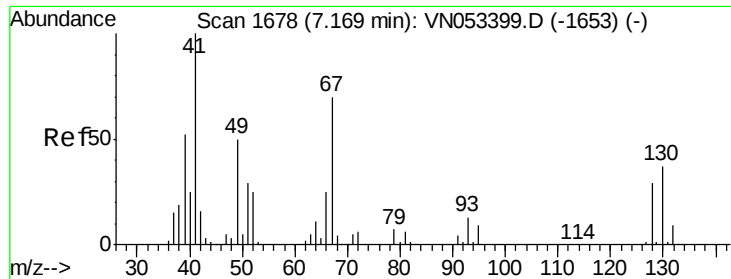
Tot Ion: 83 Resp: 775411
Ion Ratio Lower Upper
83 100
55 74.3 60.1 90.1
98 45.7 36.6 55.0



#40
Benzene
Concen: 51.360 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 78 Resp: 1789277
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

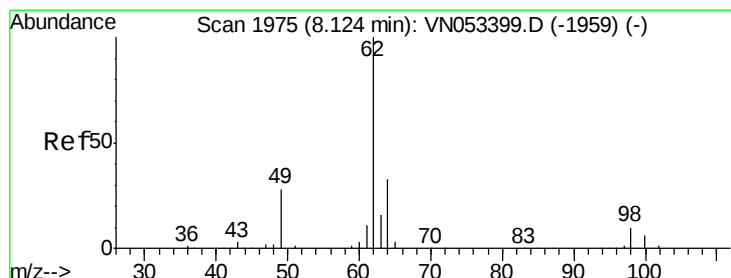
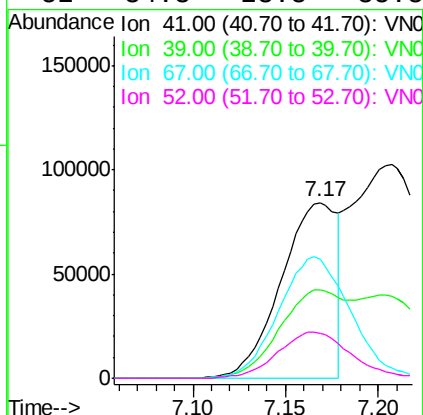
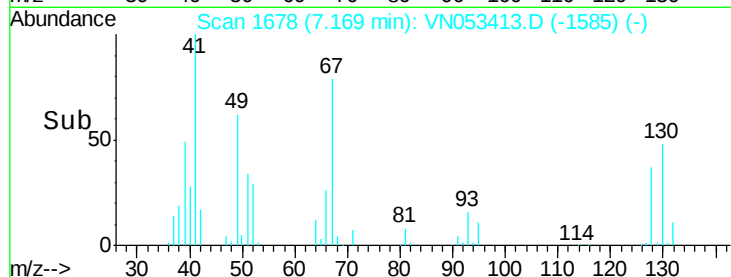
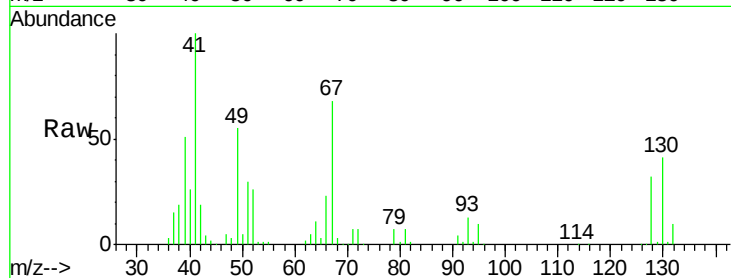




#41
Methacrylonitrile
Concen: 45.080 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

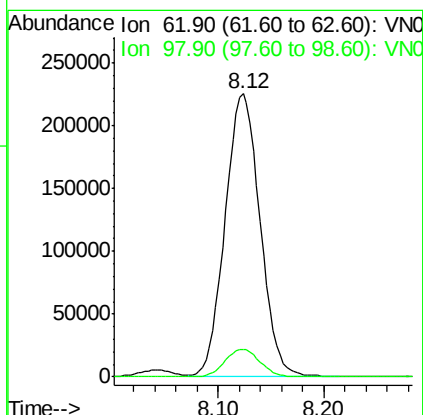
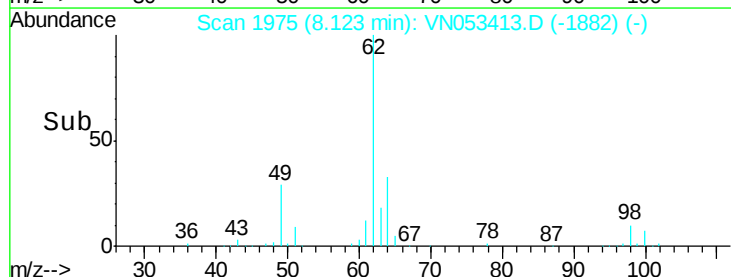
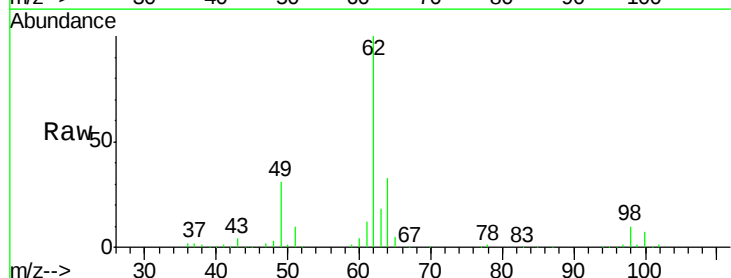
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

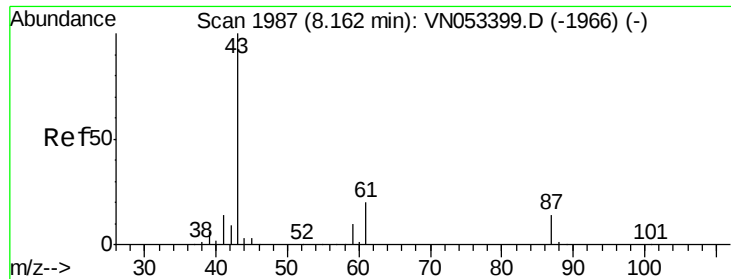
Tot Ion: 41 Resp: 176417
Ion Ratio Lower Upper
41 100
39 59.5 46.8 70.2
67 89.1 63.0 94.6
52 34.3 23.8 35.8



#42
1,2-Dichloroethane
Concen: 50.885 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 62 Resp: 516438
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 49.709 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

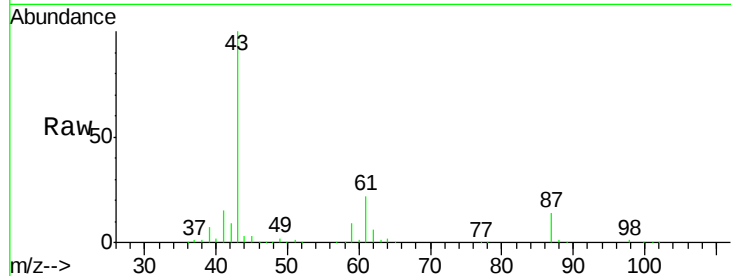
Tot Ion: 43 Resp: 589535

Ion Ratio Lower Upper

43 100

61 30.9 23.9 35.9

87 14.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

8.16

300000

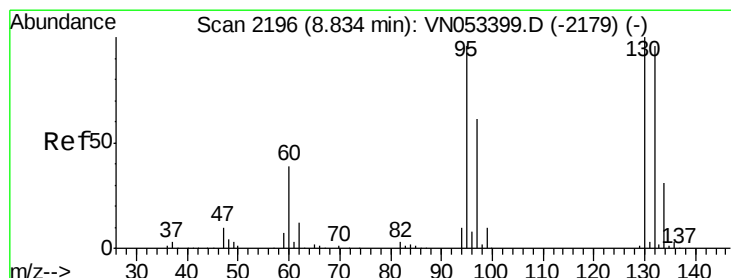
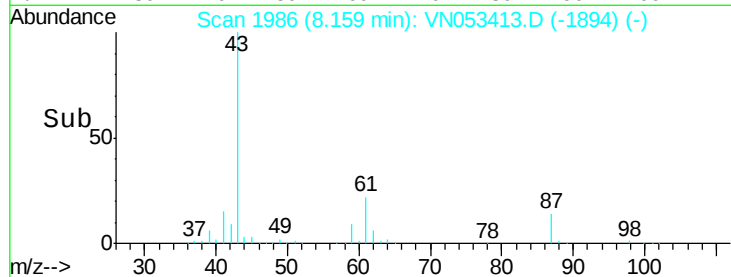
200000

100000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 52.012 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053413.D

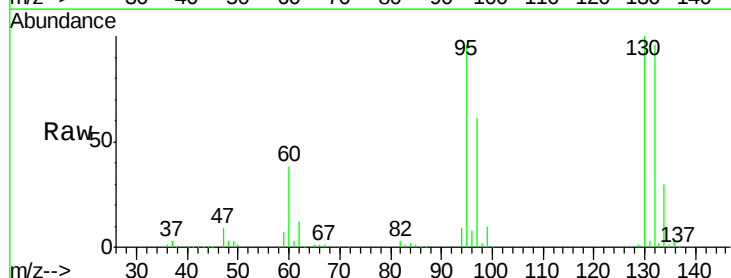
Acq: 16 Jan 2019 9:12

Tgt Ion:130 Resp: 502489

Ion Ratio Lower Upper

130 100

95 95.7 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

8.83

250000

200000

150000

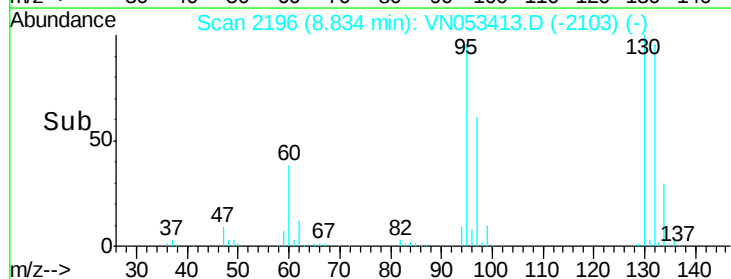
100000

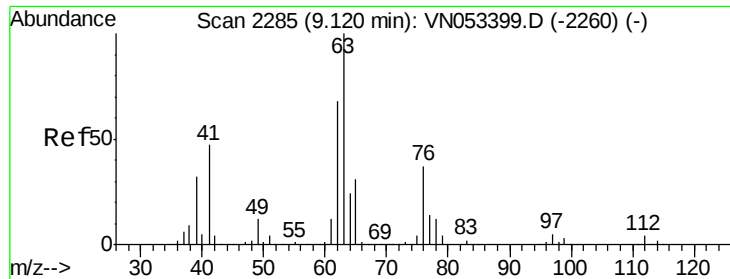
50000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 51.161 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

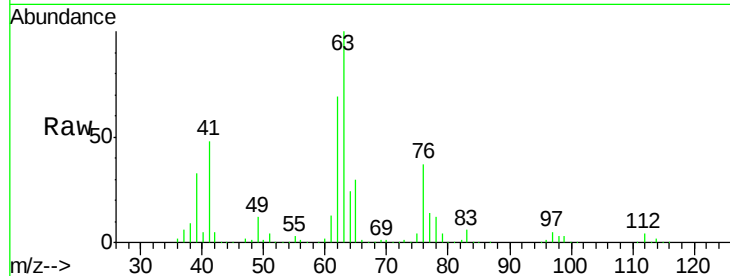
VSTDCCC050

Tot Ion: 63 Resp: 472087

Ion Ratio Lower Upper

63 100

65 30.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

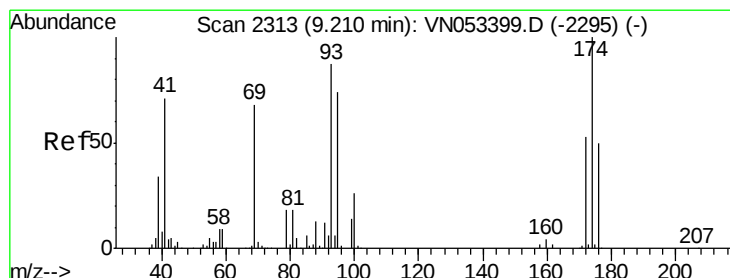
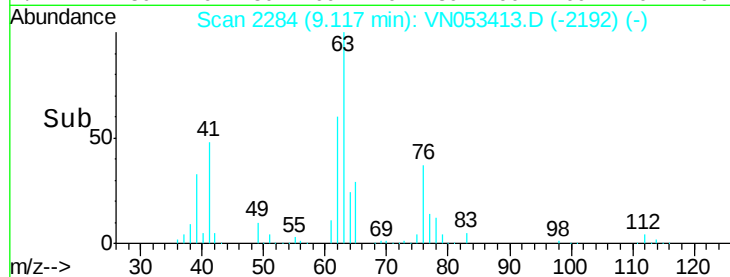
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.568 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

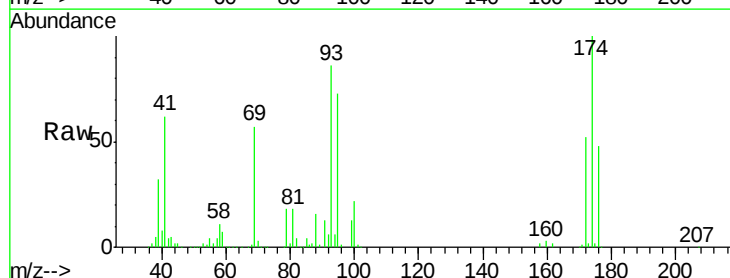
Tgt Ion: 93 Resp: 268088

Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

174 114.9 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

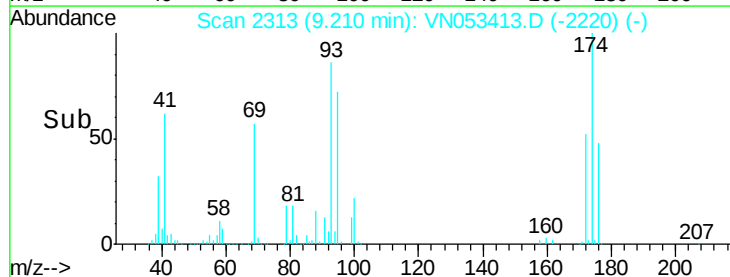
150000

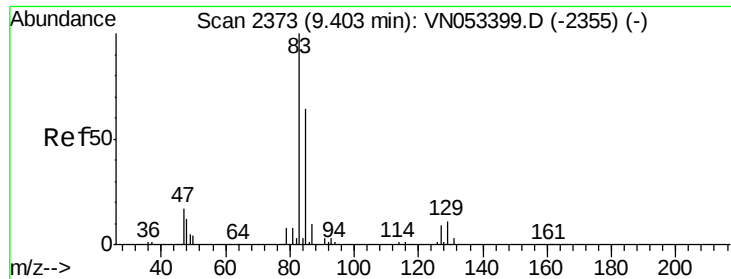
100000

50000

0

Time-->

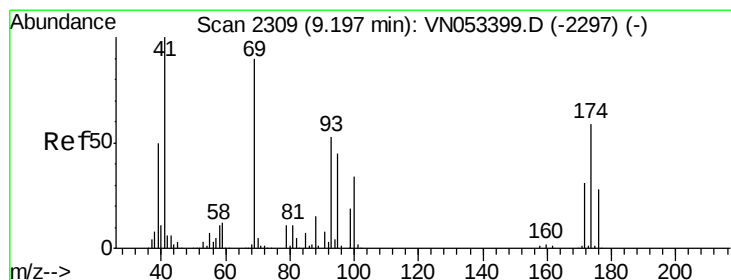
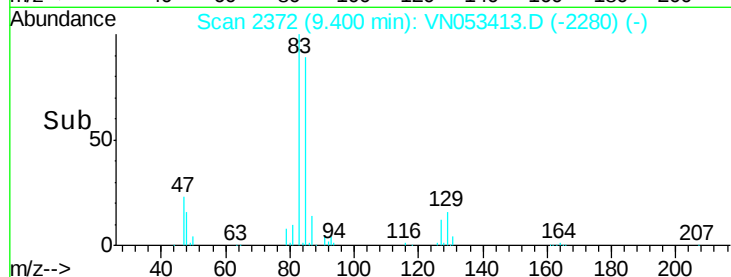
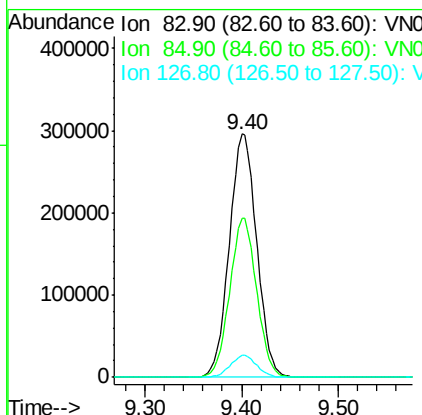
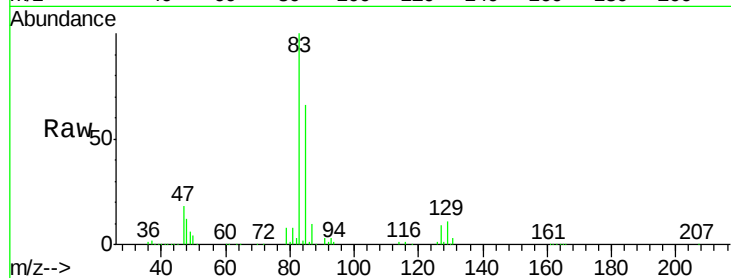




#47
Bromodichloromethane
Concen: 52.117 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

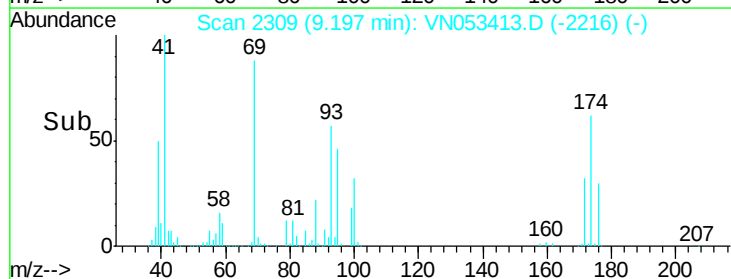
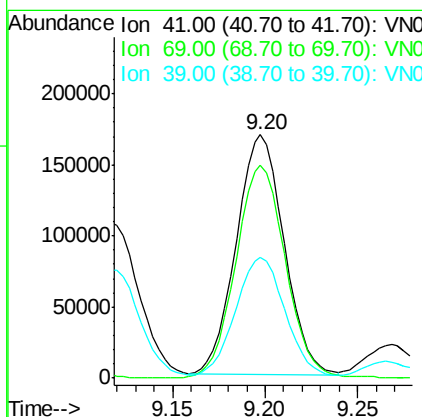
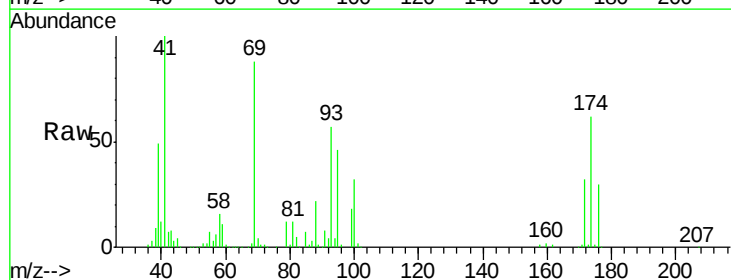
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

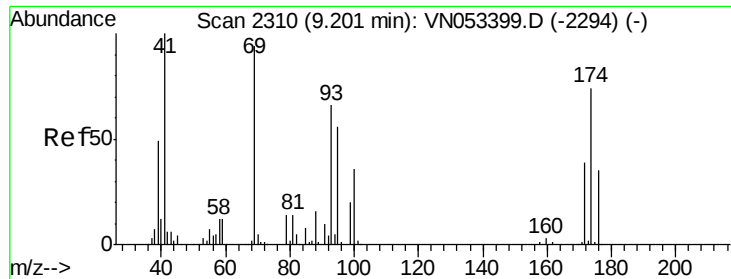
Tot Ion: 83 Resp: 581050
Ion Ratio Lower Upper
83 100
85 65.6 51.0 76.6
127 9.0 7.0 10.6



#48
Methyl methacrylate
Concen: 49.523 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 41 Resp: 303257
Ion Ratio Lower Upper
41 100
69 92.8 73.8 110.6
39 53.1 40.0 60.0

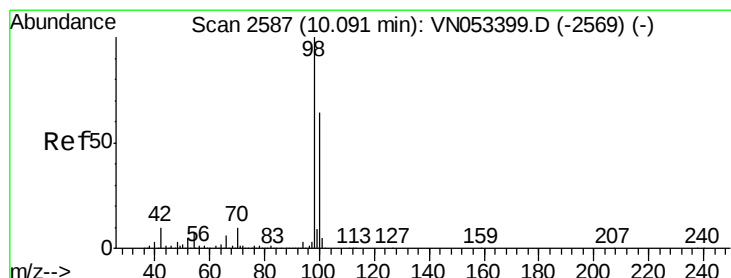
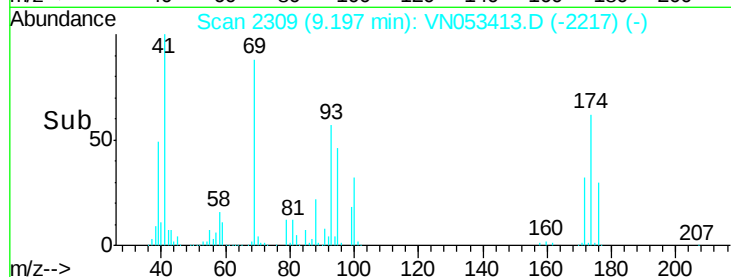
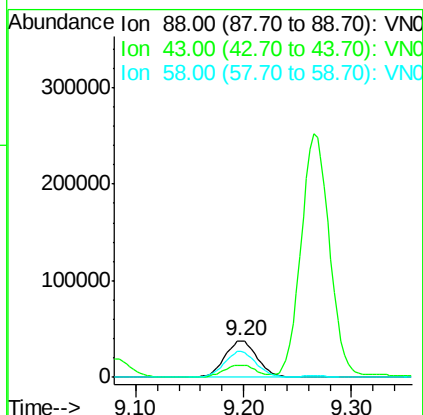
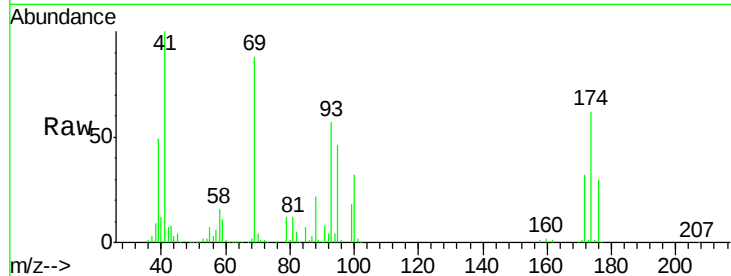




#49
 1,4-Dioxane
 Concen: 1328.598 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

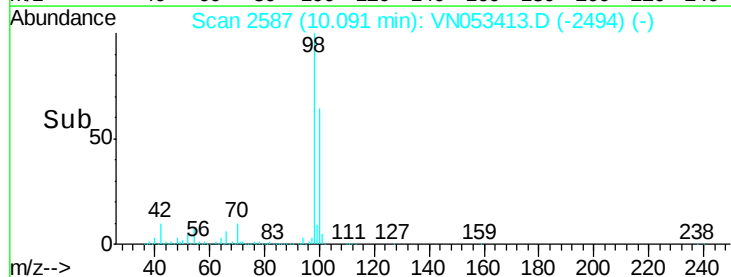
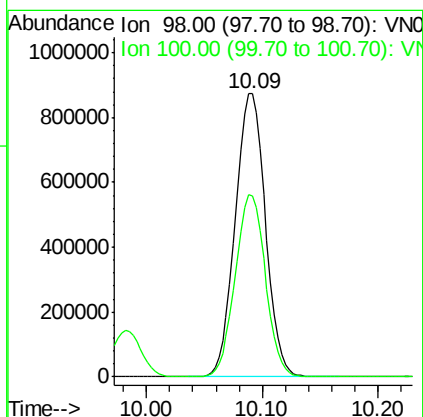
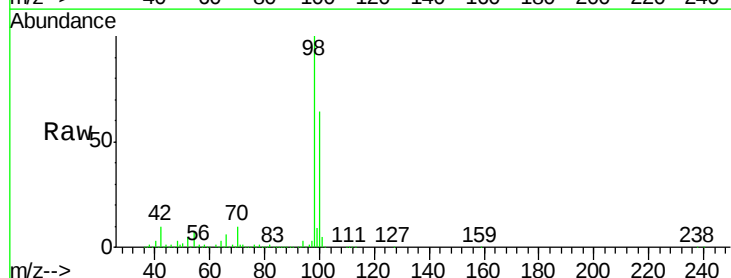
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

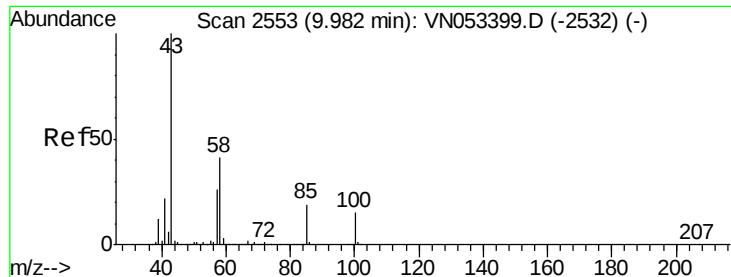
Tot Ion: 88 Resp: 79455
 Ion Ratio Lower Upper
 88 100
 43 32.0 27.8 41.6
 58 68.9 56.5 84.7



#50
 Toluene-d8
 Concen: 1328.598 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 98 Resp: 1579073
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.4 77.0

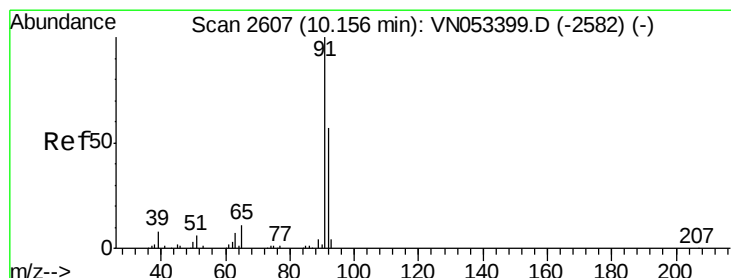
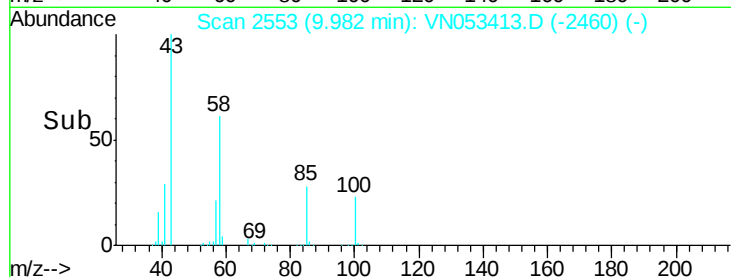
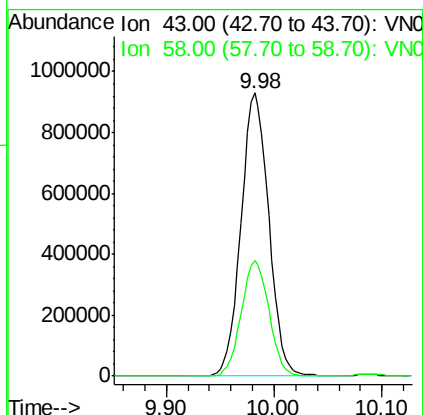
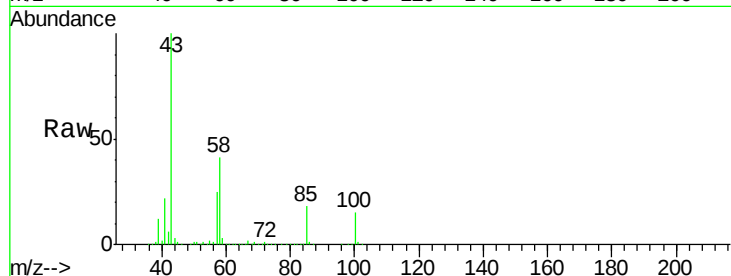




#51
 4-Methyl-2-Pentanone
 Concen: 257.024 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

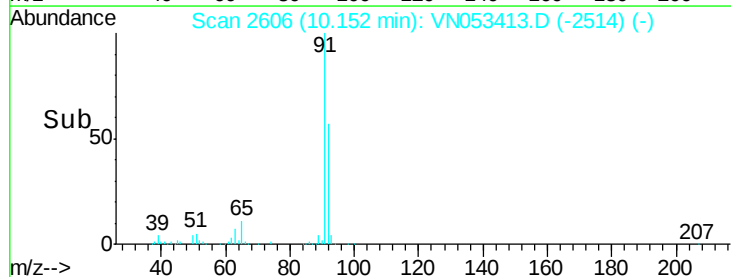
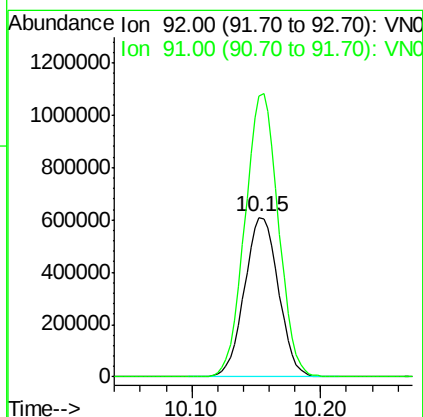
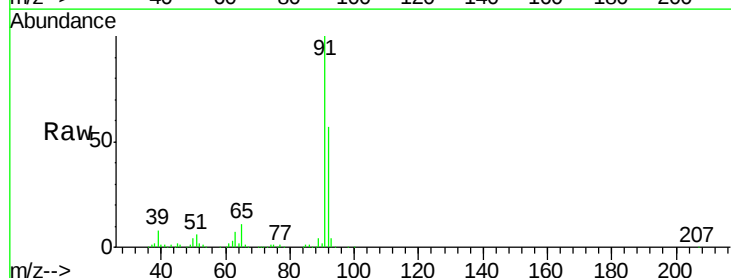
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

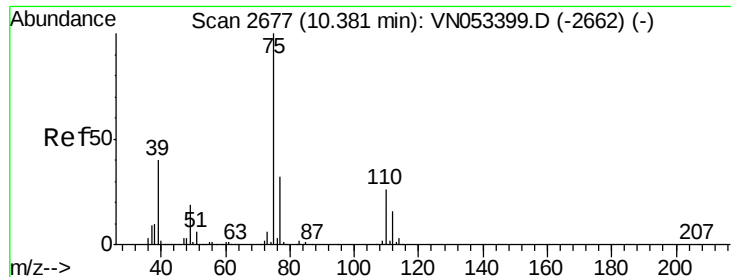
Tot Ion: 43 Resp: 1664025
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 51.560 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 92 Resp: 1115145
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 52.796 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

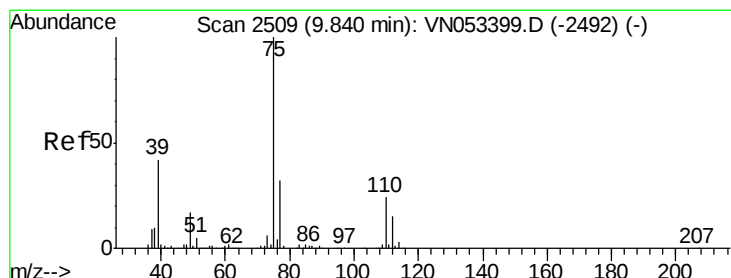
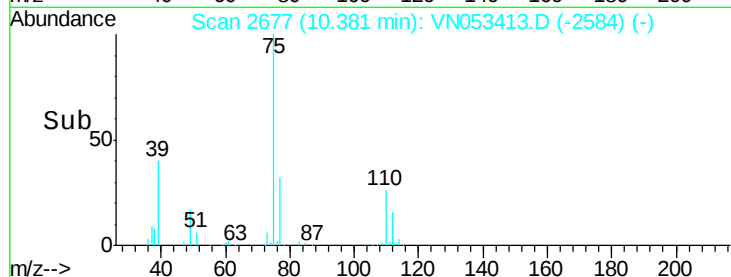
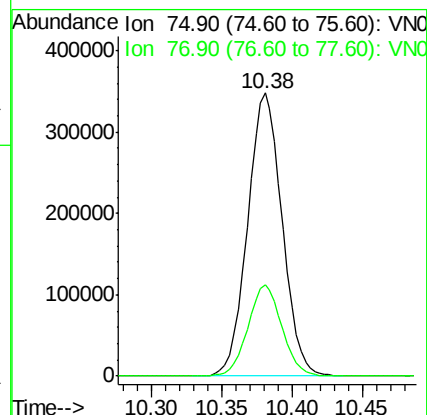
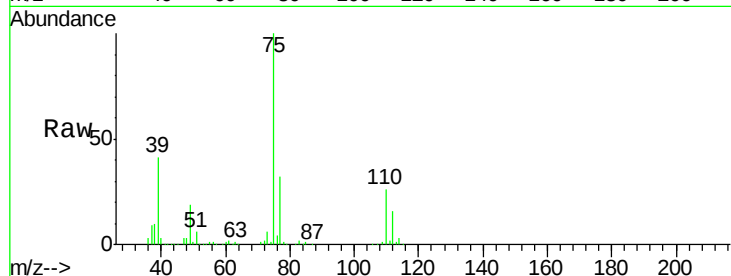
VSTDCCC050

Tot Ion: 75 Resp: 596623

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.902 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

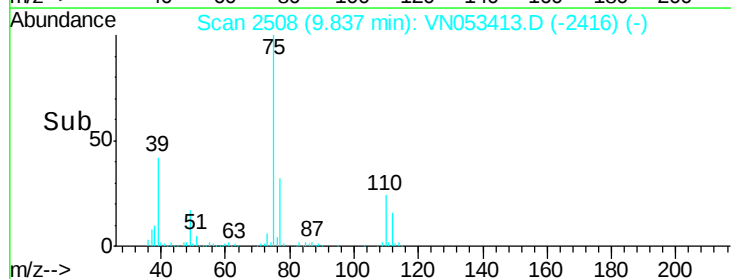
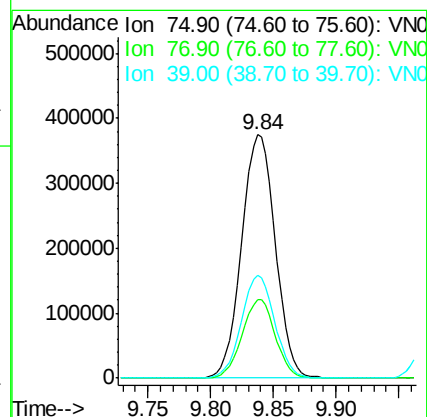
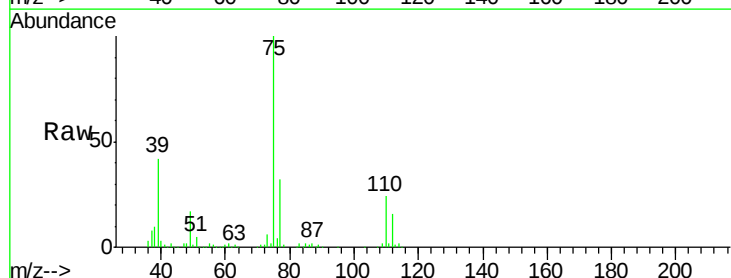
Tgt Ion: 75 Resp: 700805

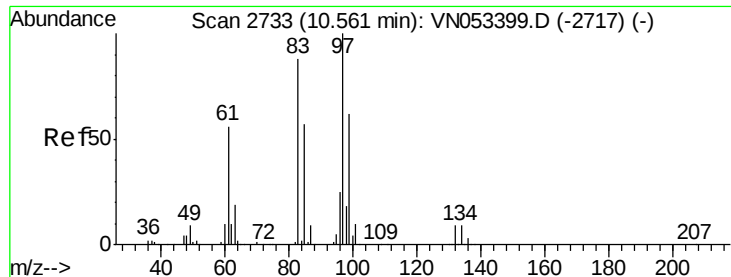
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 42.3 33.4 50.0



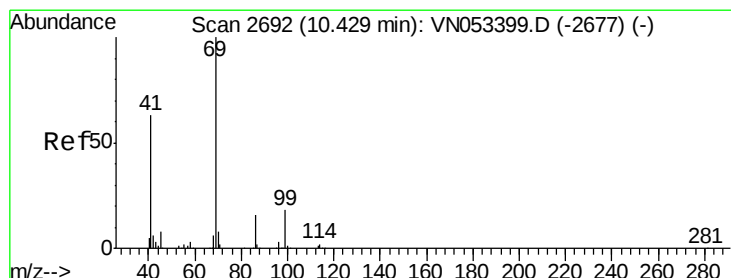
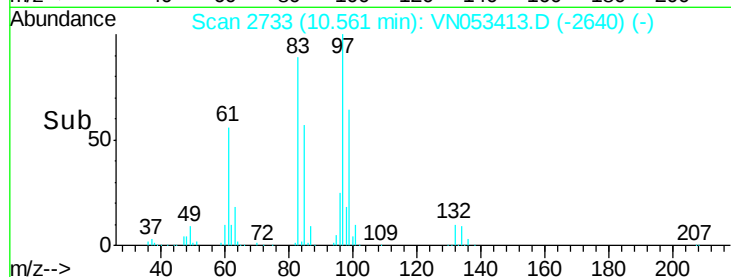
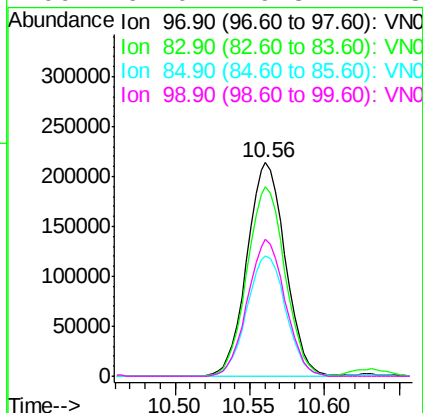
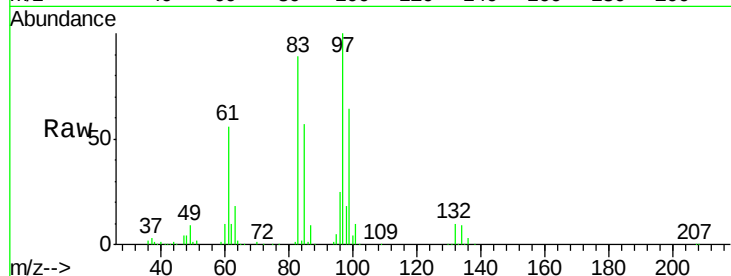


#55
 1,1,2-Trichloroethane
 Concen: 51.098 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 381012

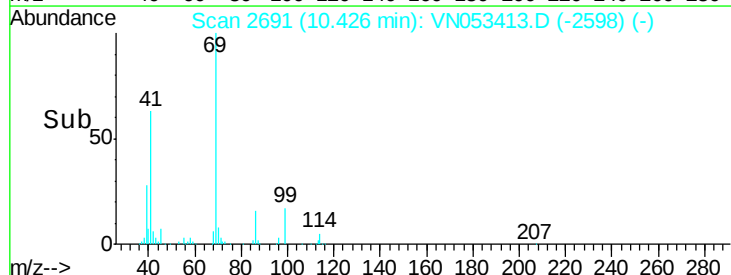
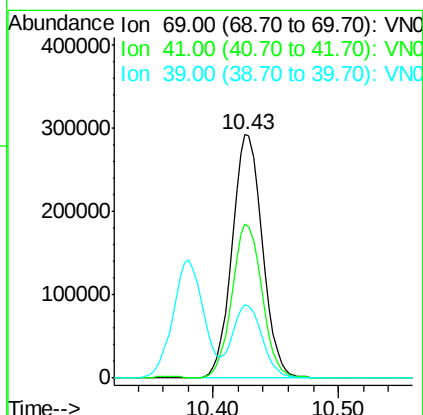
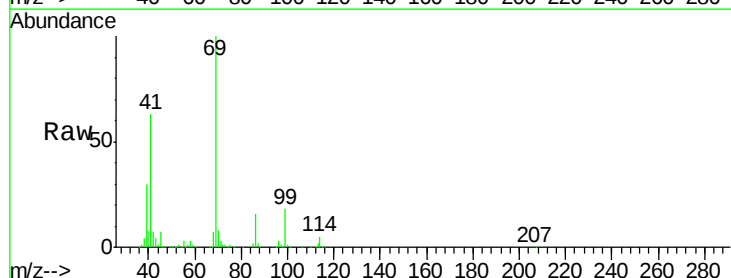
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.1	105.1
85	56.6	45.4	68.0
99	64.0	49.8	74.8

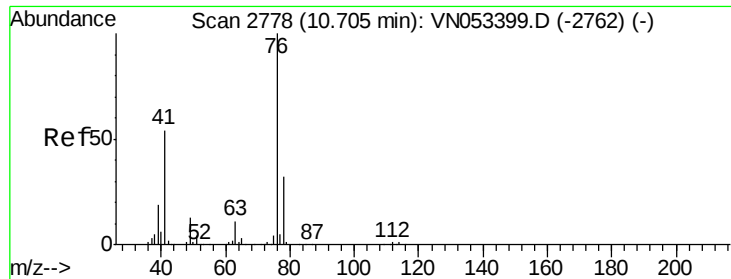


#56
 Ethyl methacrylate
 Concen: 46.585 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 69 Resp: 491410

Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.4	74.0
39	29.5	23.3	34.9

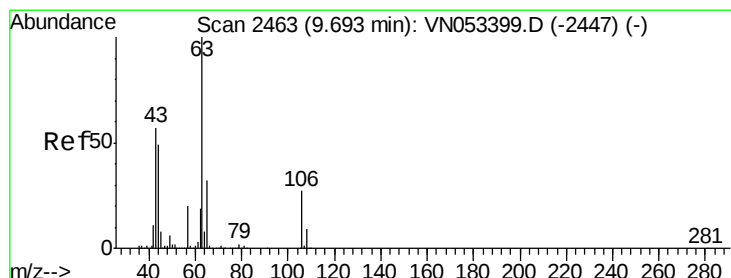
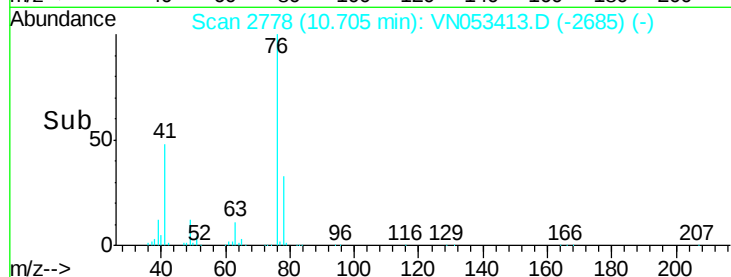
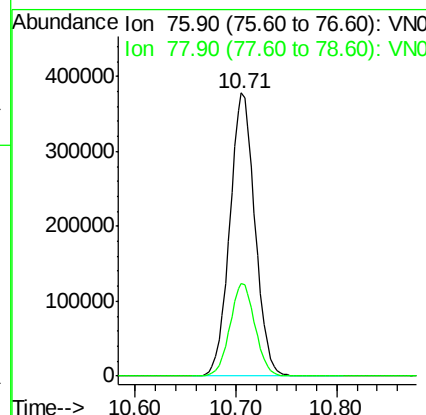
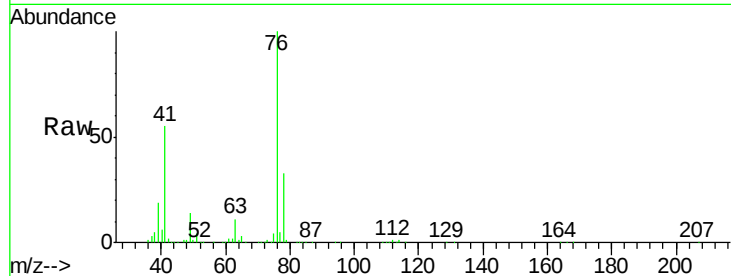




#57
 1,3-Dichloropropane
 Concen: 51.036 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

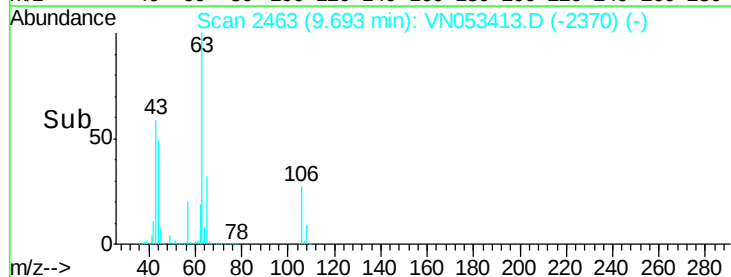
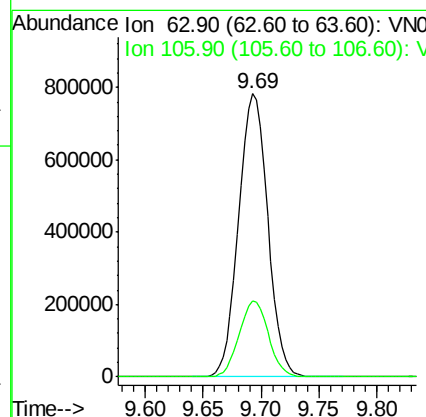
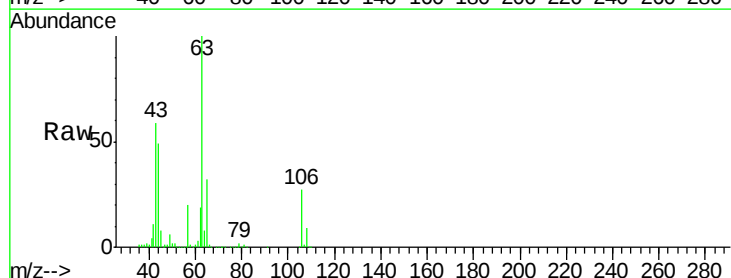
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

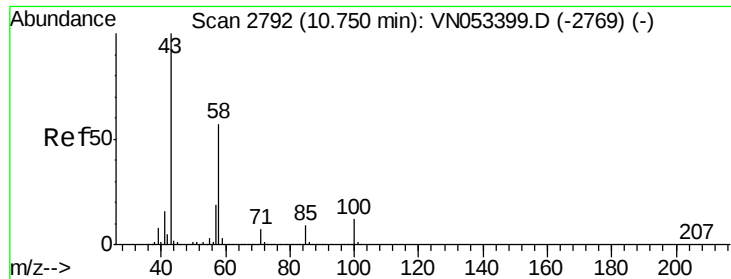
Tot Ion: 76 Resp: 658306
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.650 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 63 Resp: 1364896
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.5 32.3

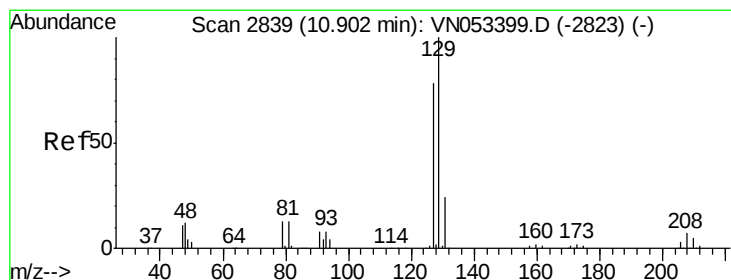
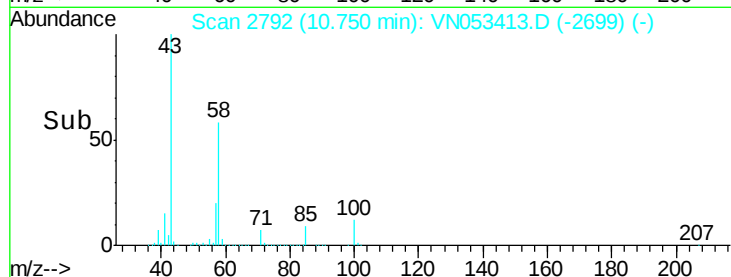
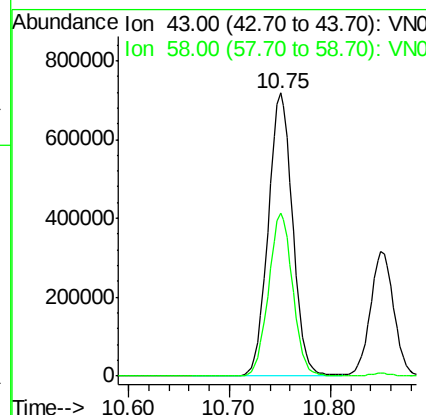
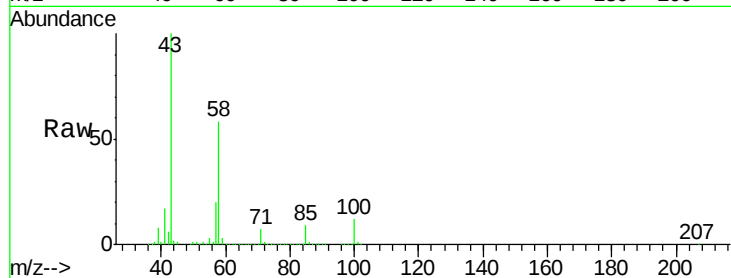




#59
2-Hexanone
Concen: 265.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

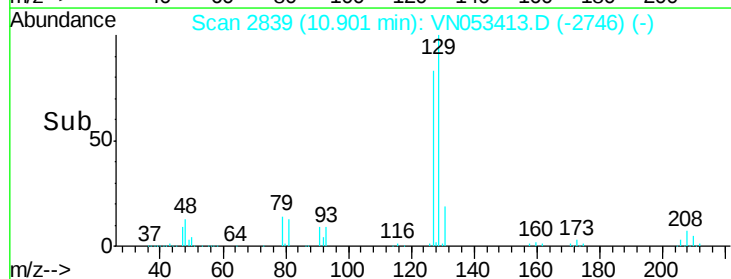
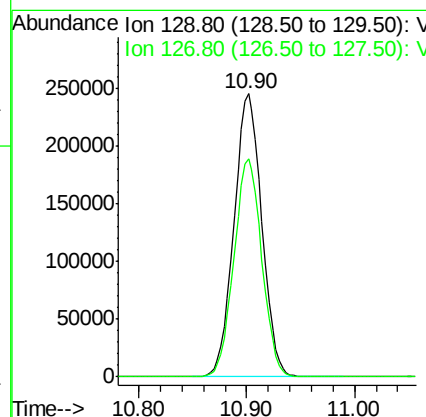
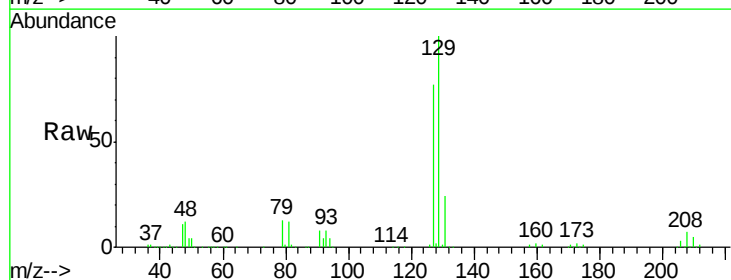
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

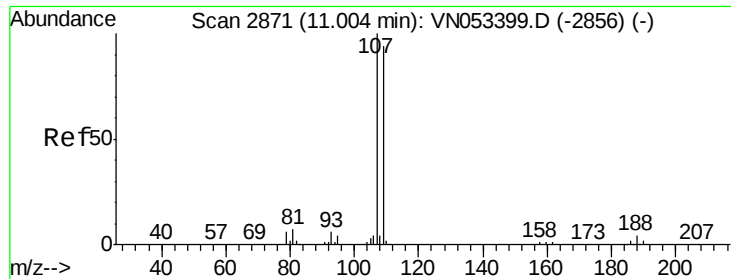
Tot Ion: 43 Resp: 1208397
Ion Ratio Lower Upper
43 100
58 57.1 28.6 85.8



#60
Dibromochloromethane
Concen: 52.292 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 129 Resp: 442246
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

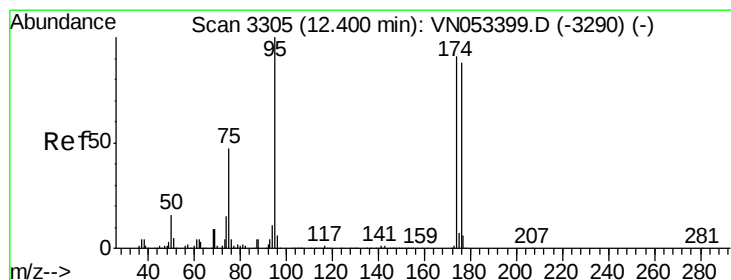
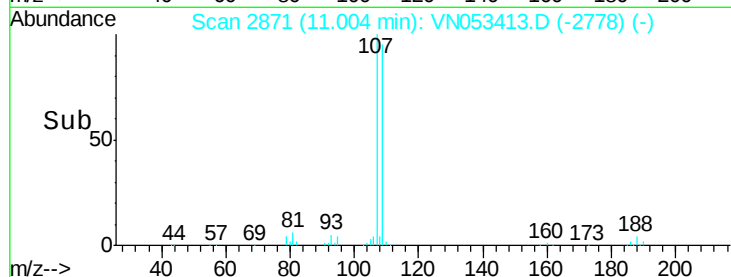
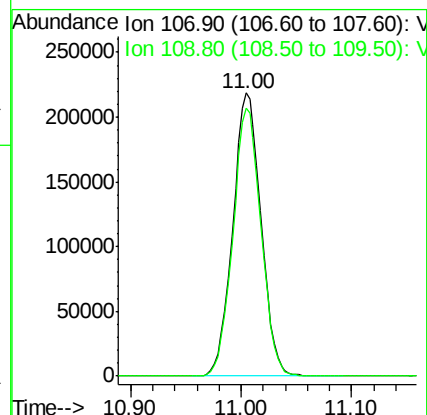
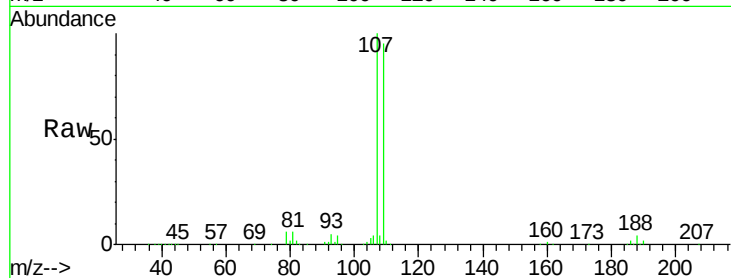




#61
1,2-Dibromoethane
Concen: 51.237 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

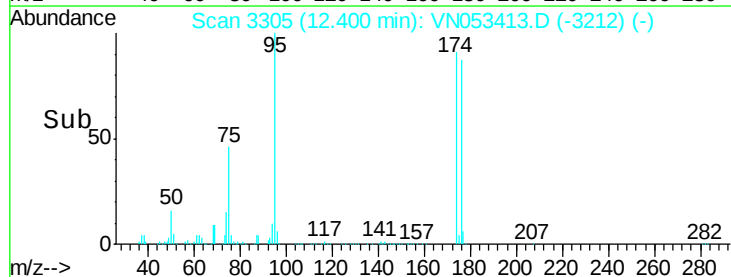
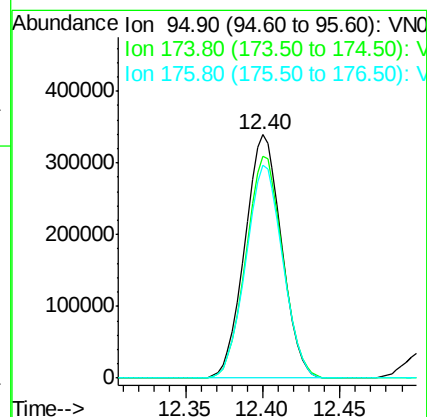
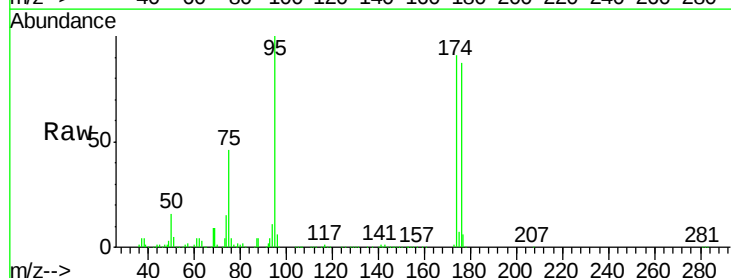
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

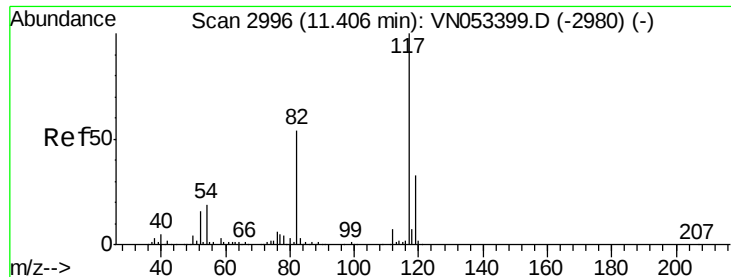
Tot Ion:107 Resp: 386387
Ion Ratio Lower Upper
107 100
109 94.6 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 51.237 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 95 Resp: 560079
Ion Ratio Lower Upper
95 100
174 91.5 0.0 183.2
176 88.2 0.0 177.4

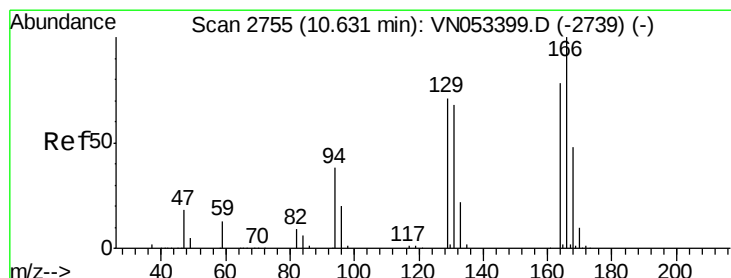
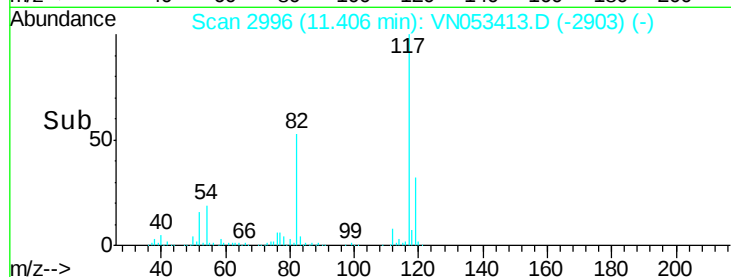
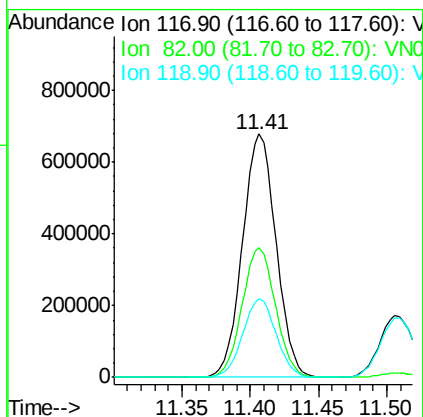
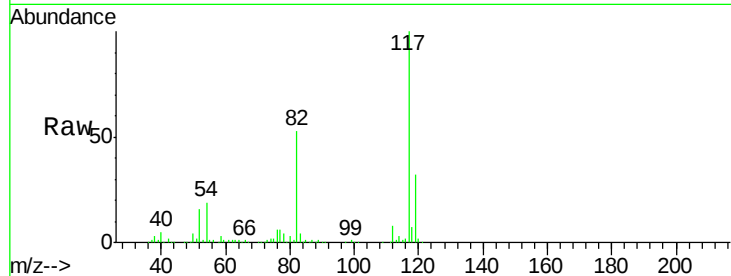




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

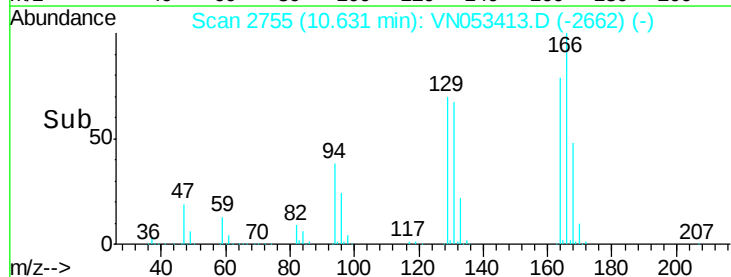
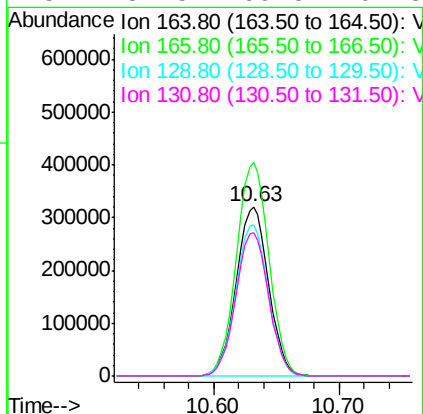
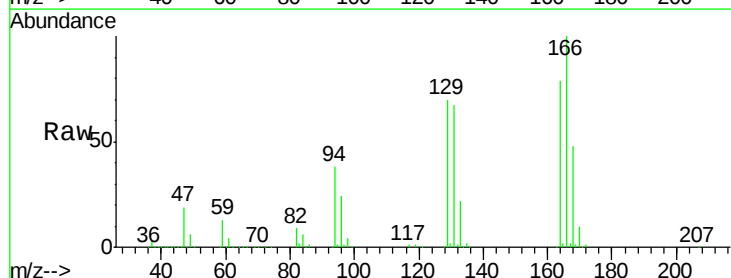
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

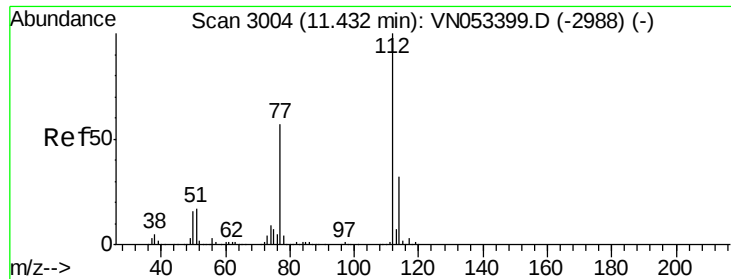
Tot Ion:117 Resp: 1157624
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 52.541 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion:164 Resp: 573189
Ion Ratio Lower Upper
164 100
166 125.9 102.2 153.4
129 88.8 72.6 109.0
131 84.5 69.5 104.3





#65

Chlorobenzene

Concen: 50.878 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

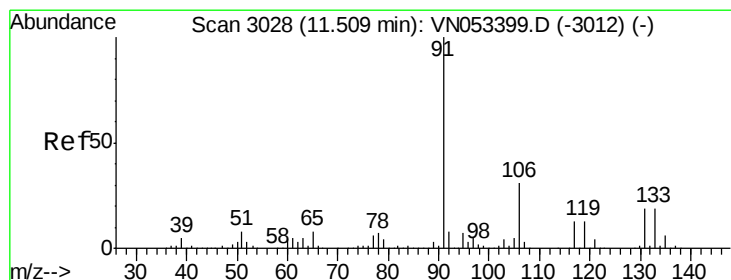
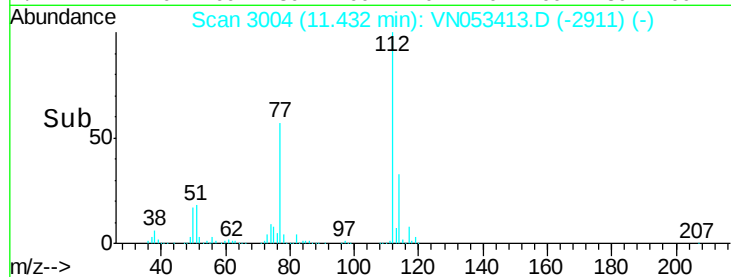
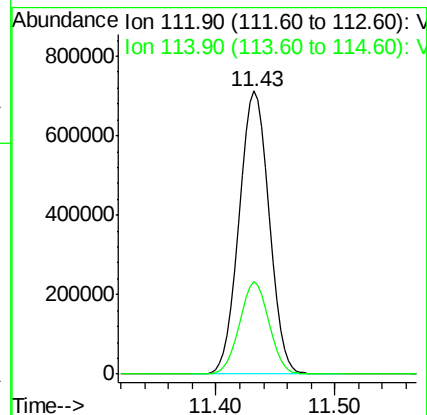
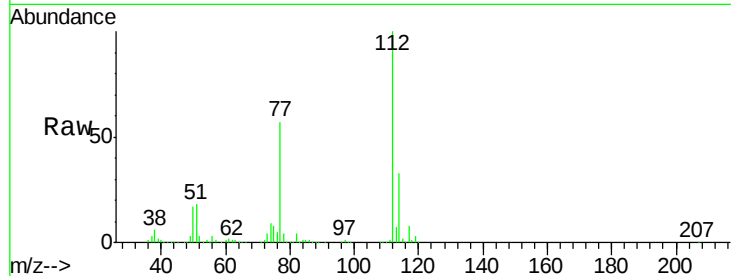
VSTDCCC050

Tot Ion:112 Resp: 1246659

Ion Ratio Lower Upper

112 100

114 32.6 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 51.458 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

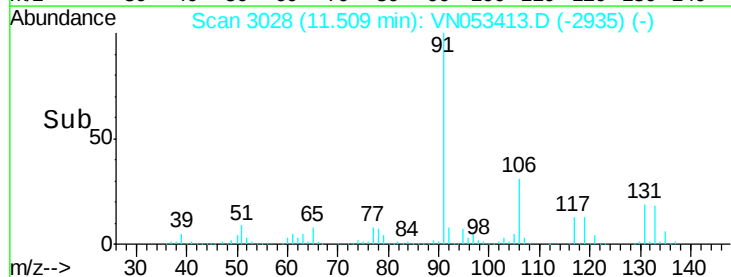
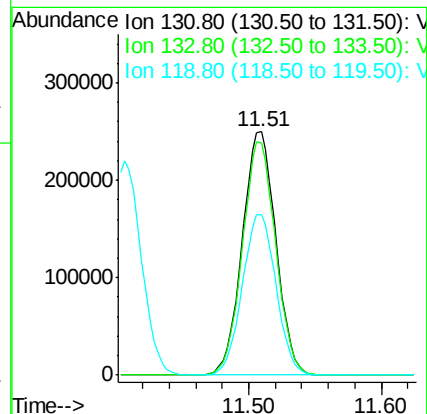
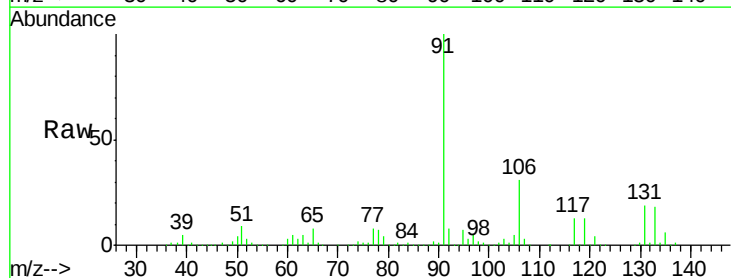
Tgt Ion:131 Resp: 438643

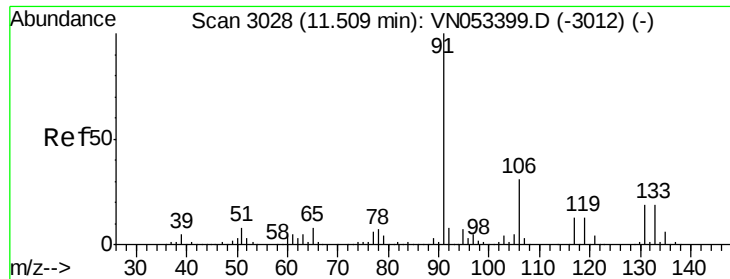
Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.0

119 66.2 33.5 100.5

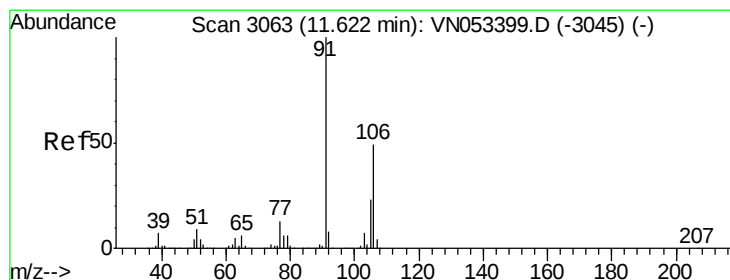
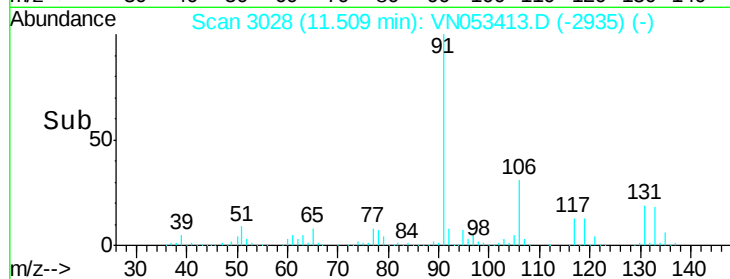
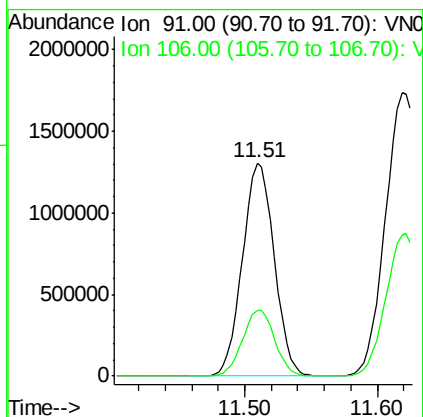
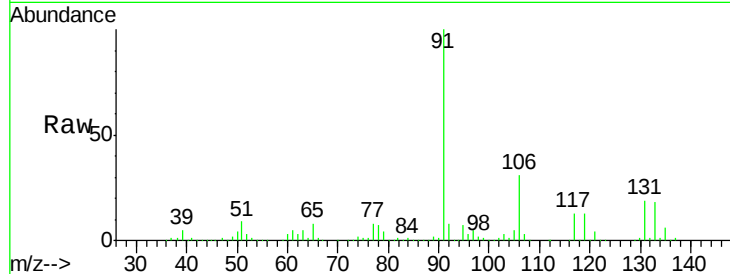




#67
Ethyl Benzene
Concen: 52.048 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

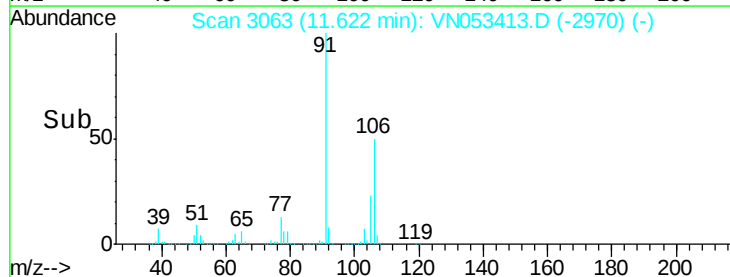
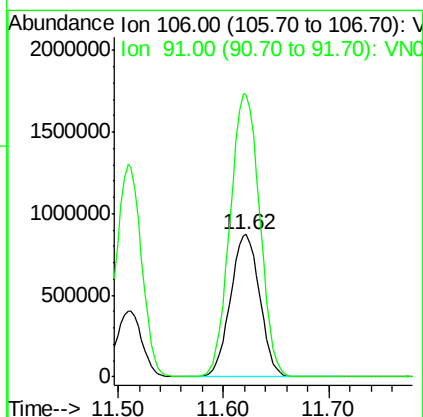
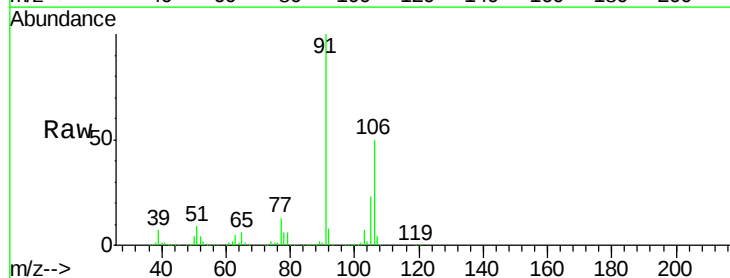
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

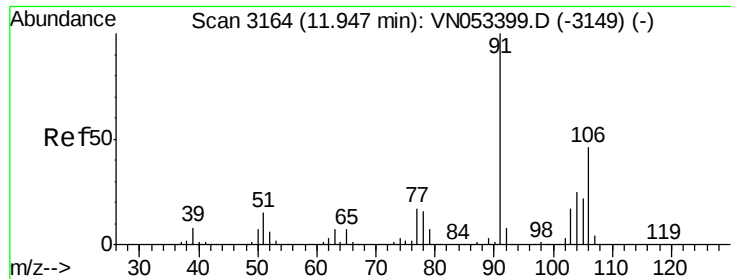
Tot Ion: 91 Resp: 2173484
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 106.232 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 106 Resp: 1674891
Ion Ratio Lower Upper
106 100
91 201.9 161.4 242.2

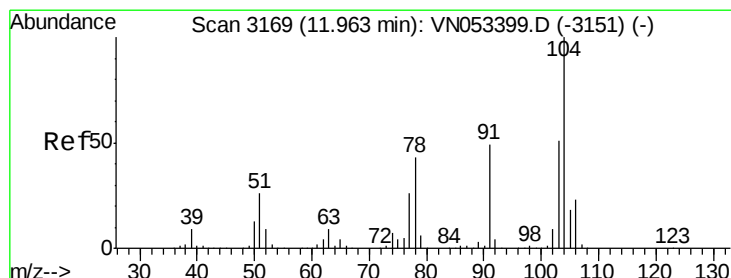
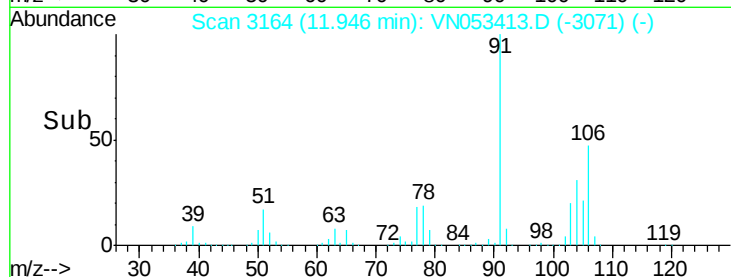
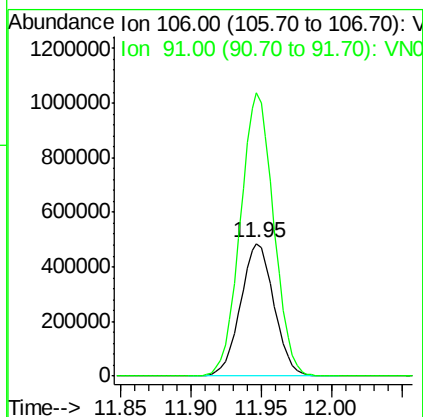
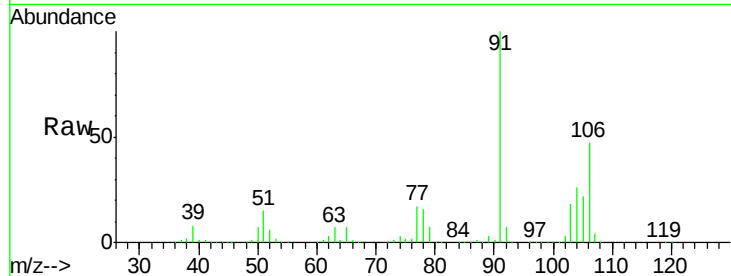




#69
o-Xylene
Concen: 52.520 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

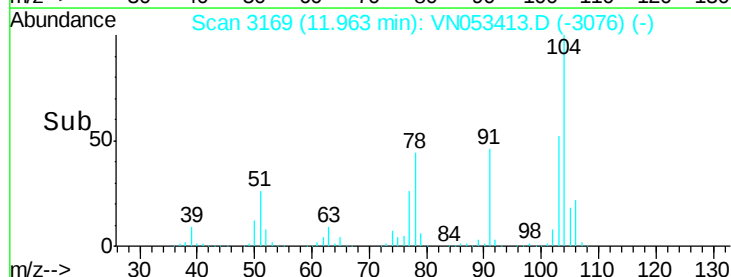
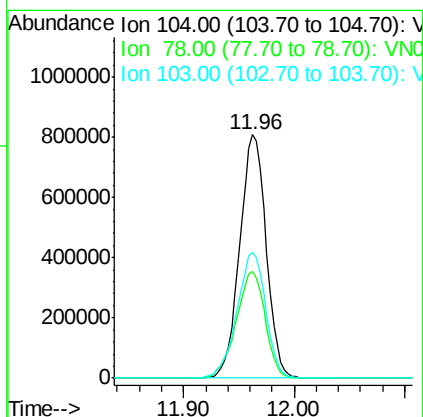
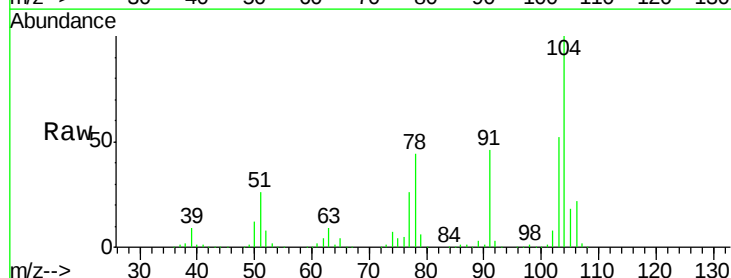
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

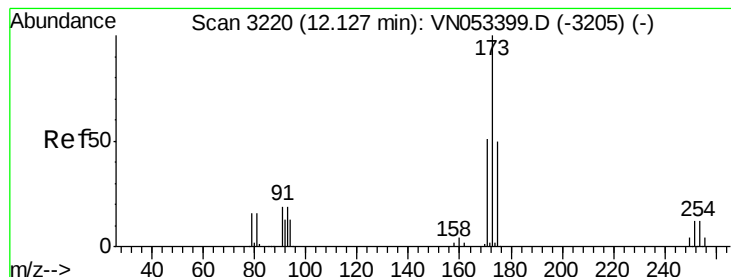
Tot Ion:106 Resp: 804614
Ion Ratio Lower Upper
106 100
91 212.8 106.9 320.8



#70
Styrene
Concen: 53.842 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion:104 Resp: 1338729
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 51.903 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

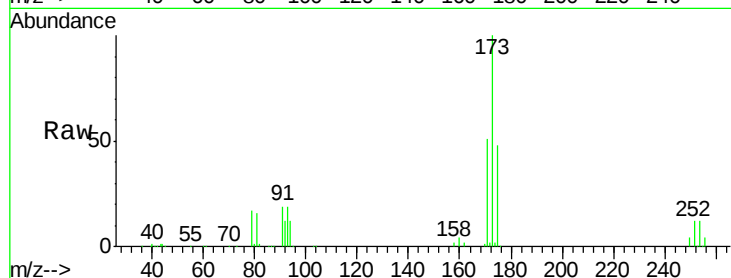
Tot Ion:173 Resp: 304593

Ion Ratio Lower Upper

173 100

175 48.9 24.6 74.0

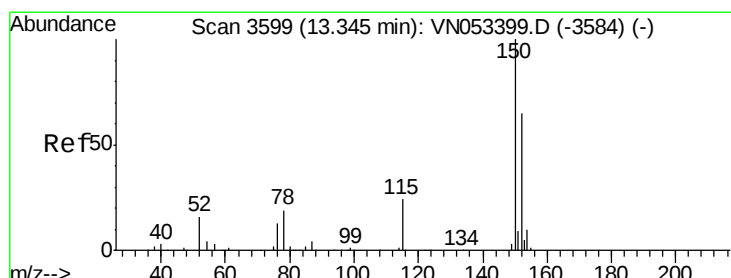
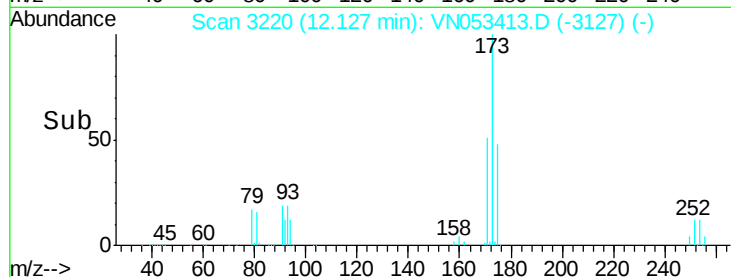
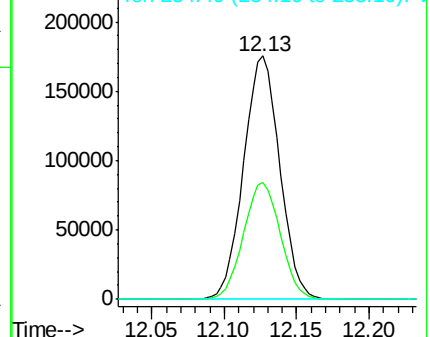
254 0.1 0.2 0.2#



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: VN053413.D

Acq: 16 Jan 2019 9:12

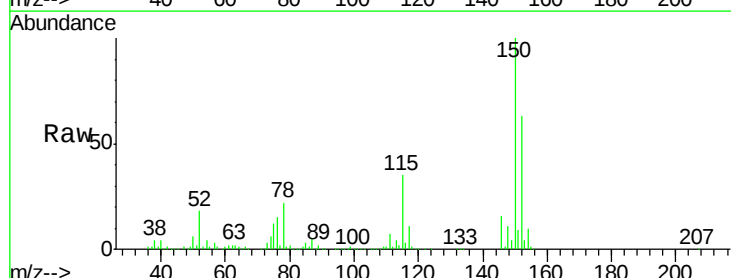
Tgt Ion:152 Resp: 592124

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

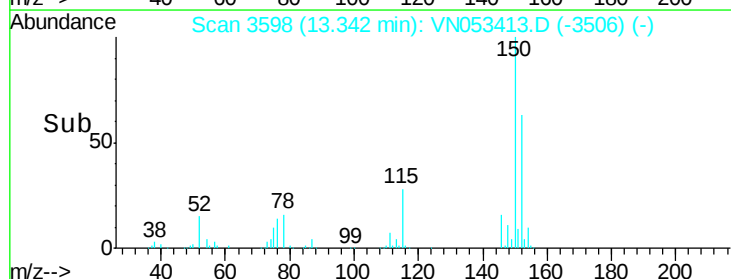
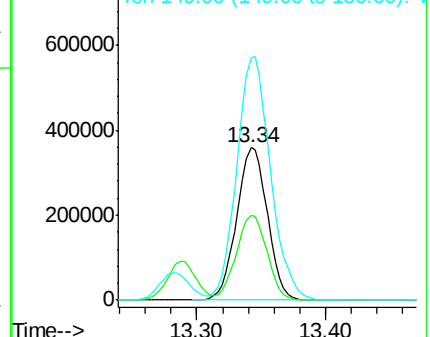
150 175.6 0.0 349.0

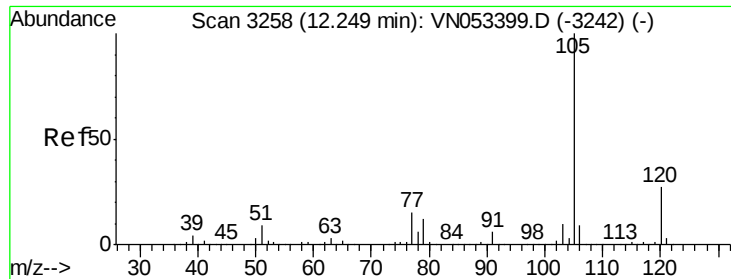


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.205 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

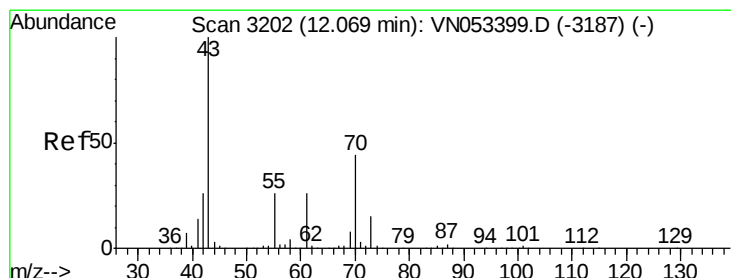
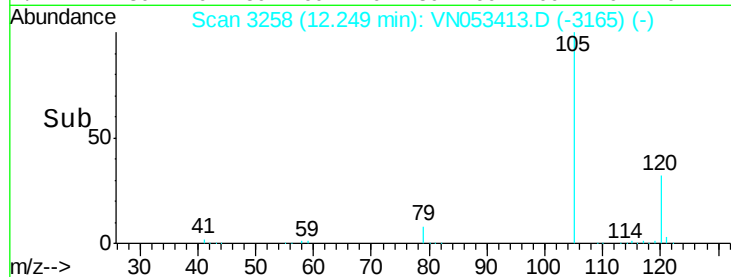
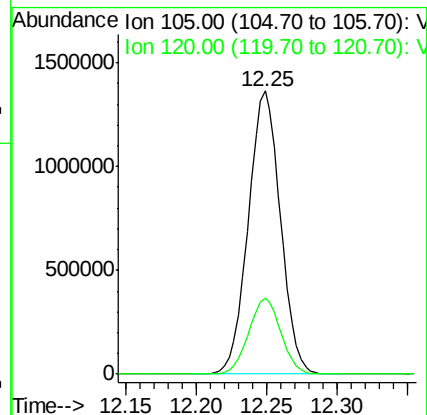
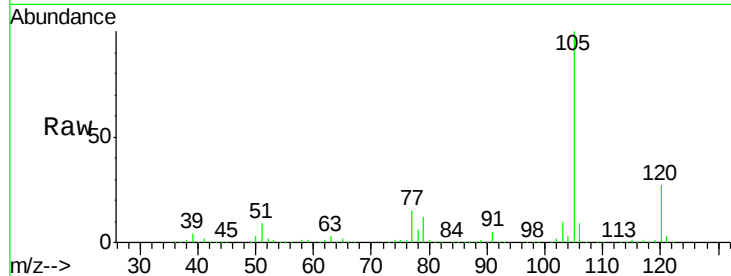
VSTDCCC050

Tot Ion:105 Resp: 2176970

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 48.398 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Tgt Ion: 43 Resp: 559446

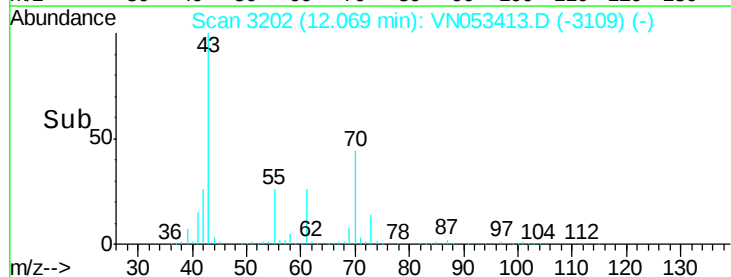
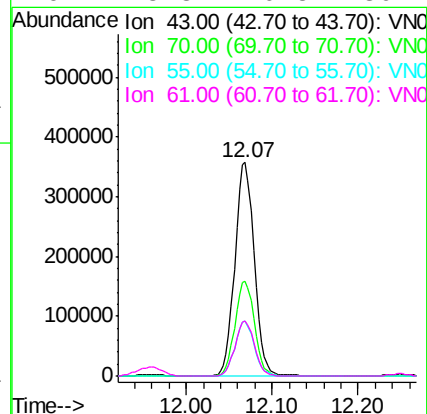
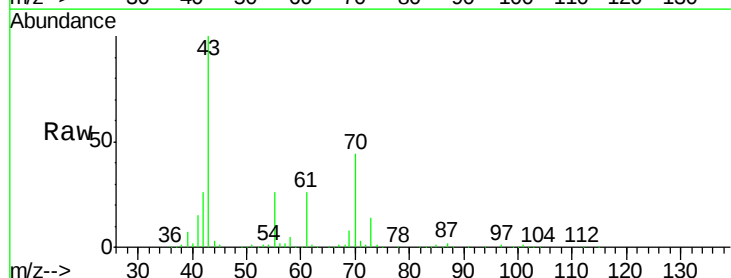
Ion Ratio Lower Upper

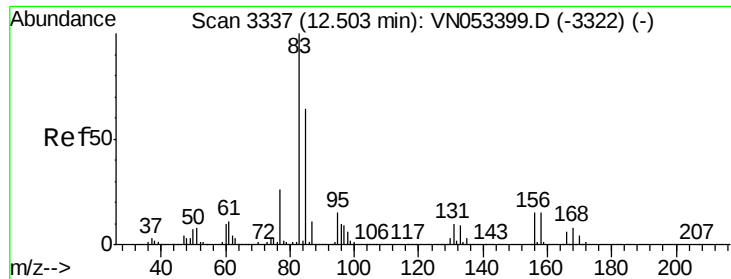
43 100

70 44.5 35.4 53.2

55 25.7 20.9 31.3

61 25.8 20.5 30.7

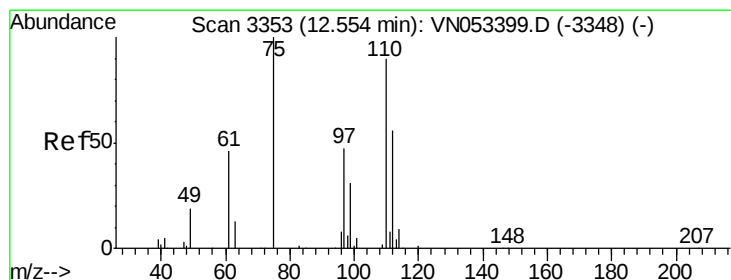
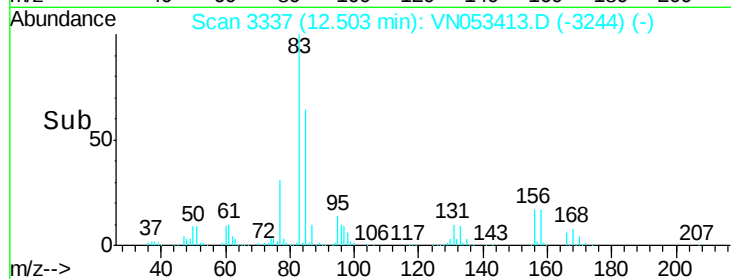
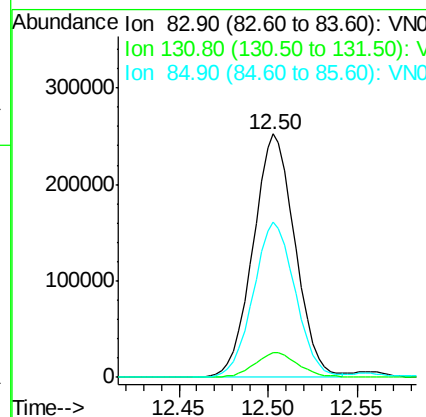
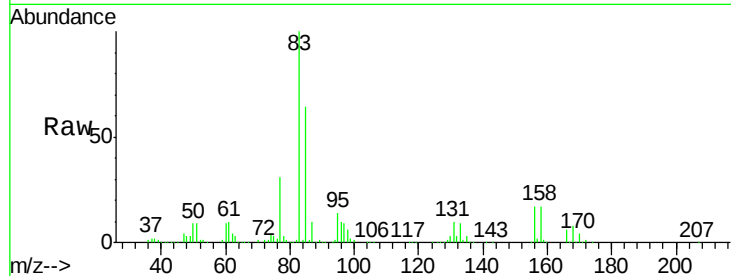




#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.630 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

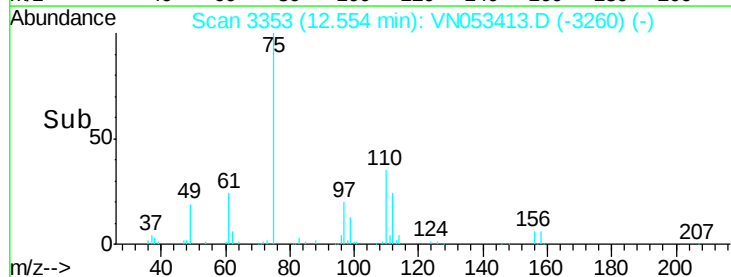
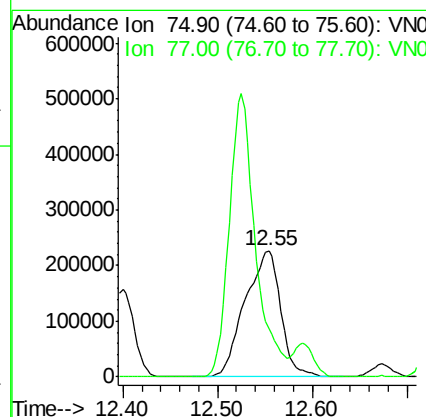
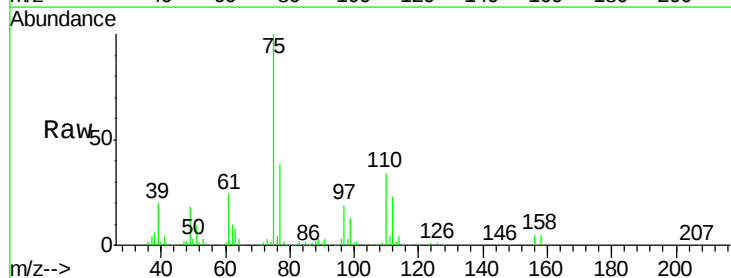
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

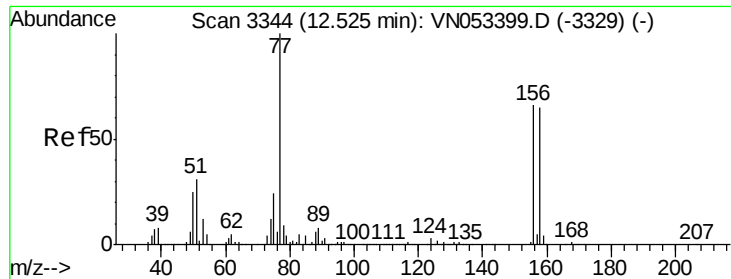
Tot Ion: 83 Resp: 414963
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 15.8
 85 63.7 32.1 96.3



#76
 1,2,3-Trichloropropane
 Concen: 75.952 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion: 75 Resp: 592655
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

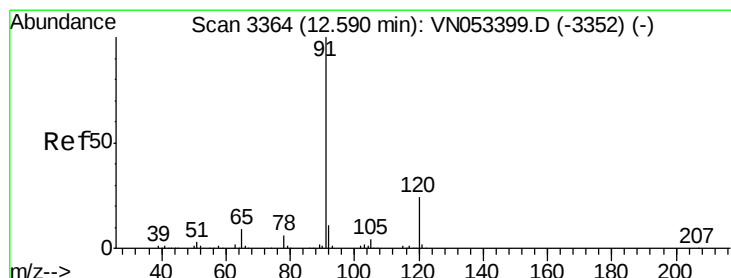
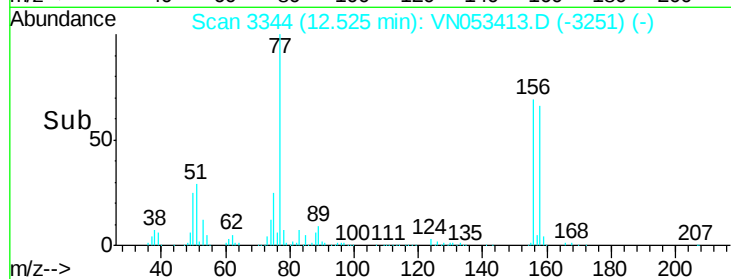
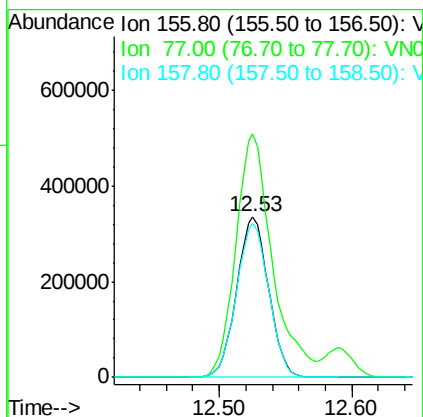
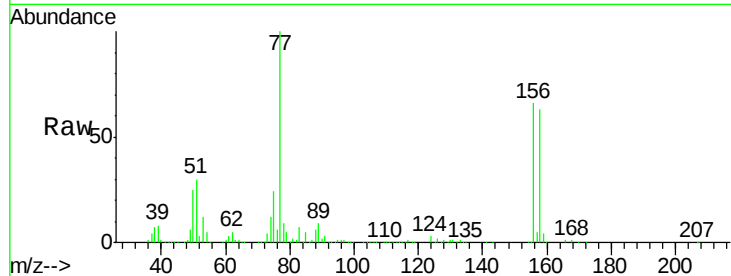




#77
Bromobenzene
Concen: 48.968 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

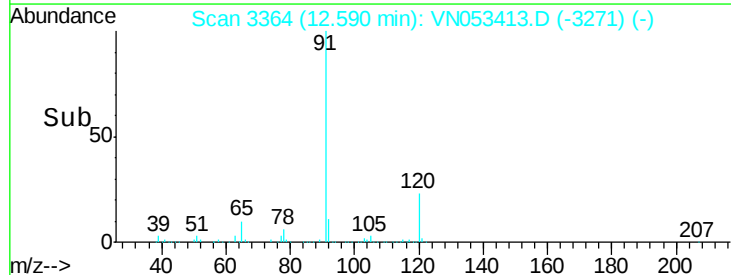
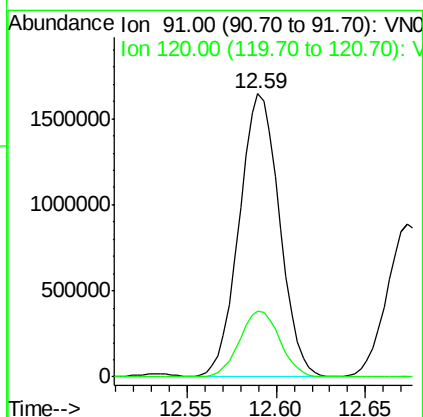
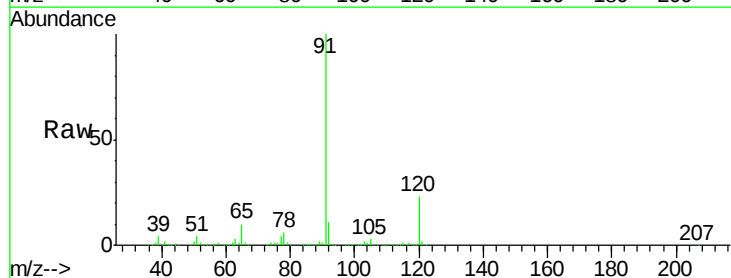
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

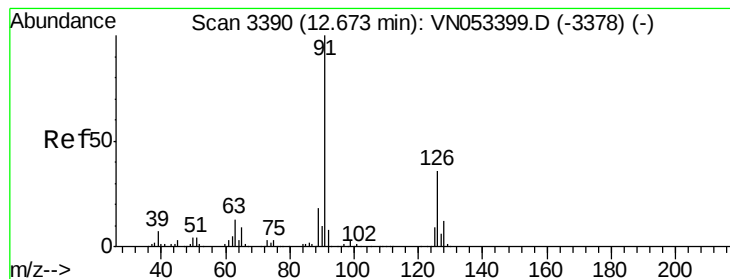
Tot Ion:156 Resp: 559500
Ion Ratio Lower Upper
156 100
77 174.7 87.9 263.8
158 97.4 48.8 146.4



#78
n-propylbenzene
Concen: 51.718 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion: 91 Resp: 2574202
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





#79

2-Chlorotoluene

Concen: 49.404 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

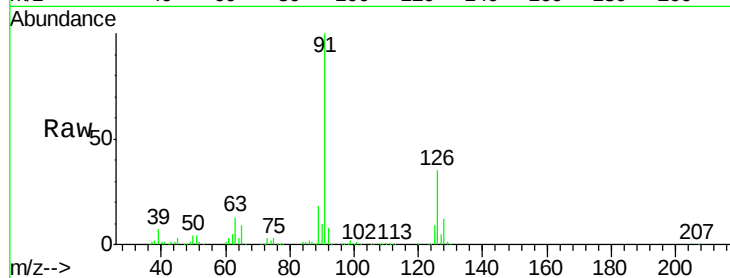
VSTDCCC050

Tot Ion: 91 Resp: 1457575

Ion Ratio Lower Upper

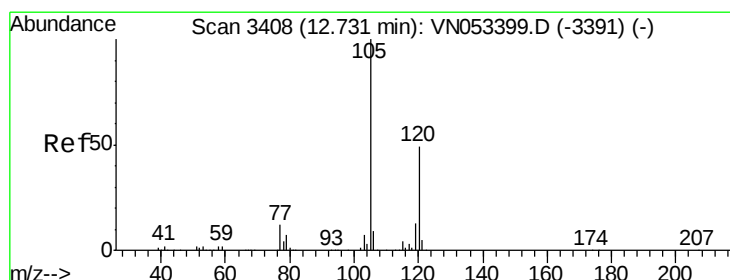
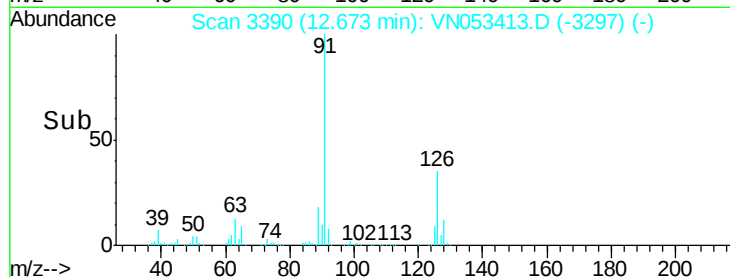
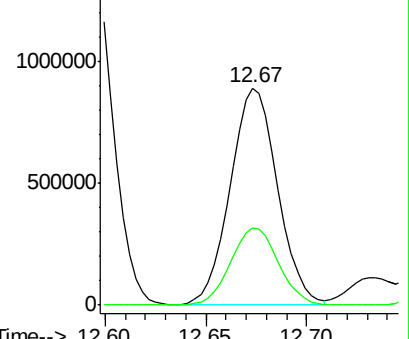
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.516 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053413.D

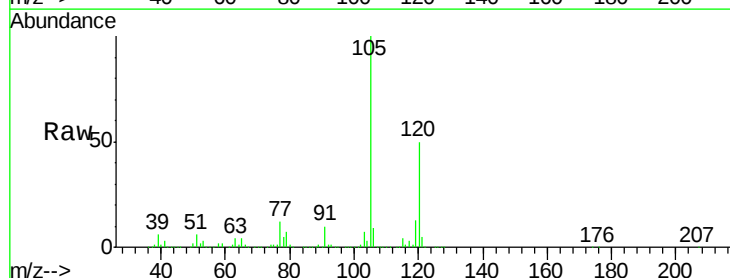
Acq: 16 Jan 2019 9:12

Tgt Ion: 105 Resp: 1817467

Ion Ratio Lower Upper

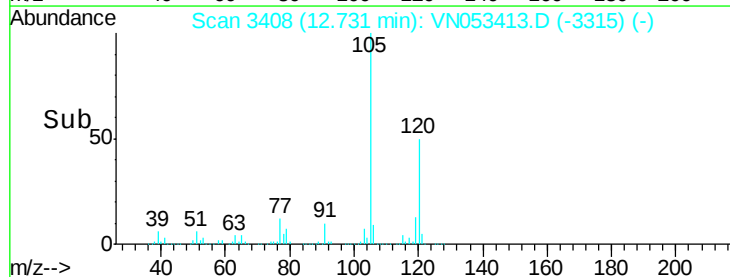
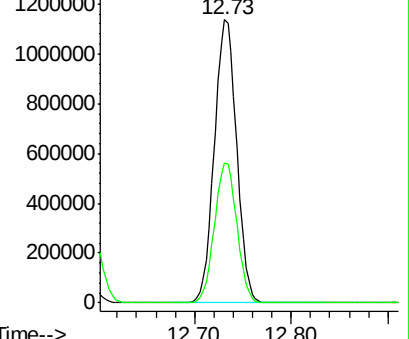
105 100

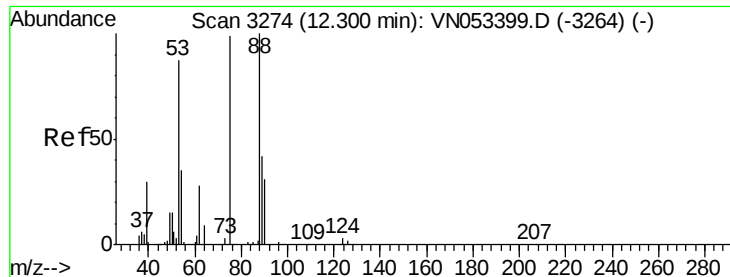
120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.432 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

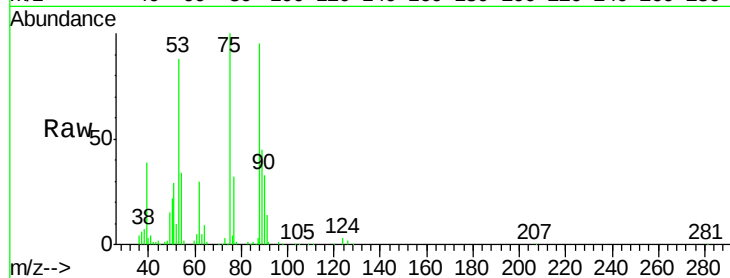
Tot Ion: 75 Resp: 139328

Ion Ratio Lower Upper

75 100

53 86.7 69.8 104.6

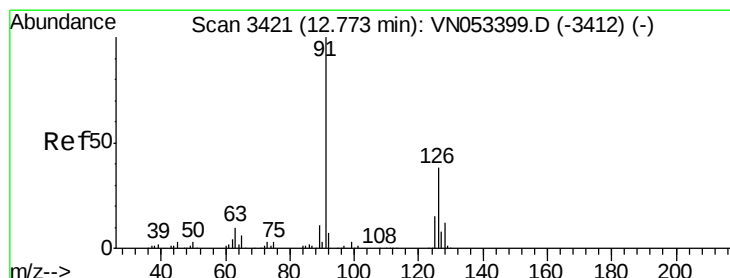
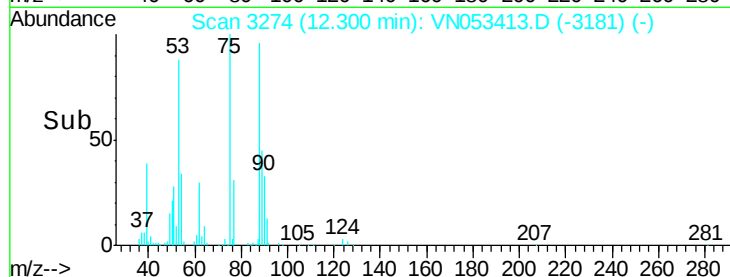
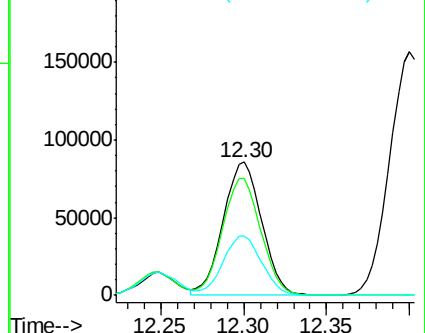
89 44.9 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.621 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053413.D

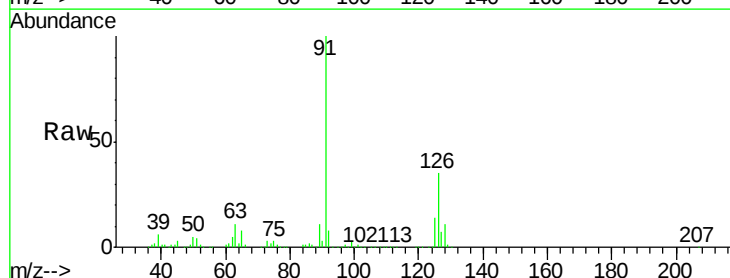
Acq: 16 Jan 2019 9:12

Tgt Ion: 91 Resp: 1523037

Ion Ratio Lower Upper

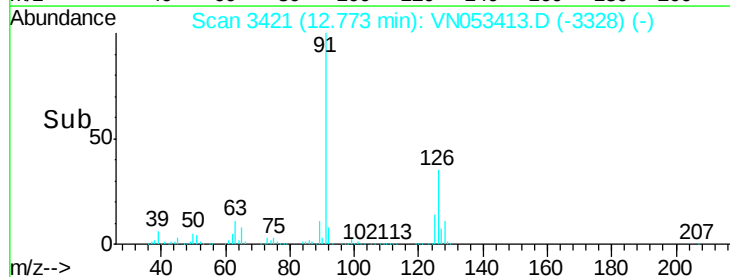
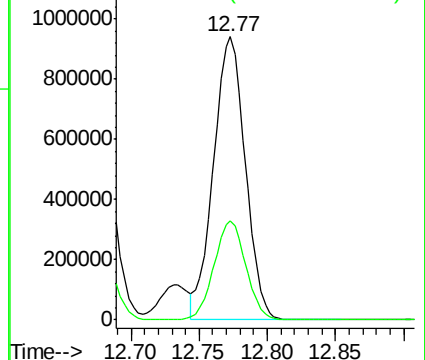
91 100

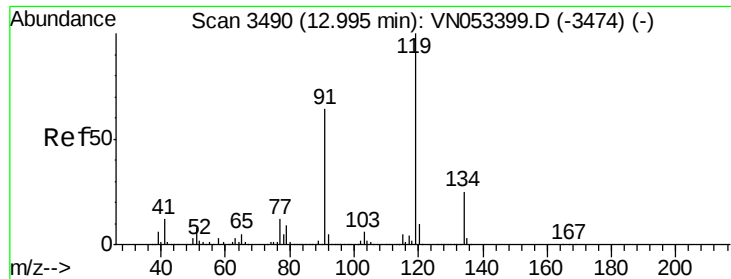
126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

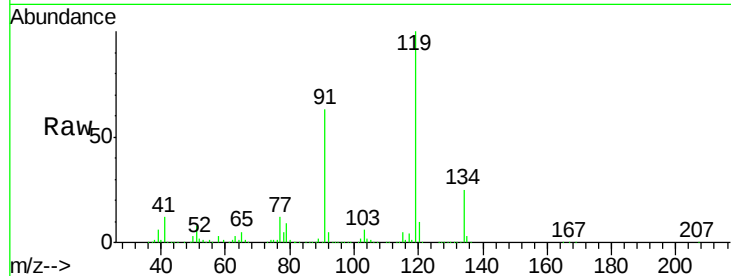




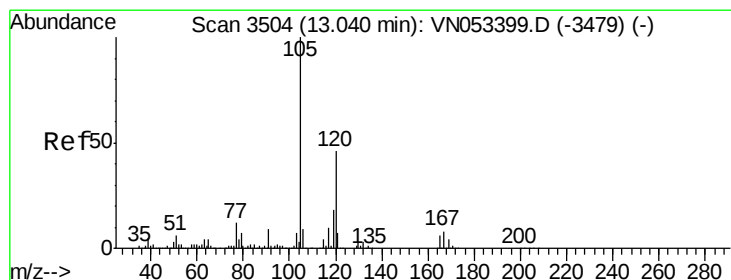
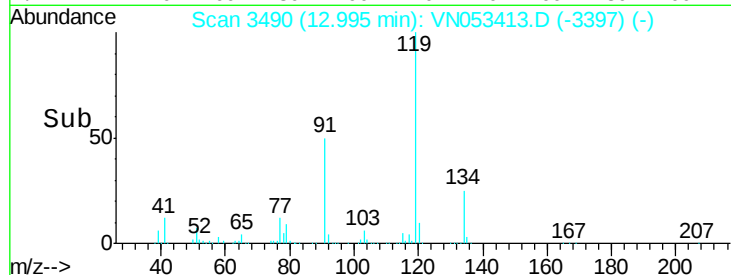
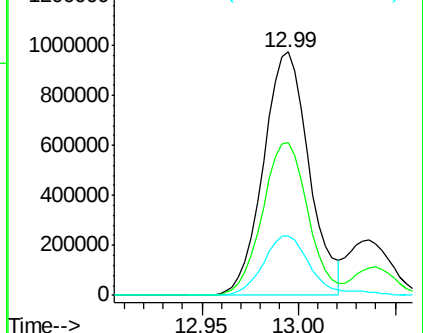
#83
tert-Butylbenzene
Concen: 51.299 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1598485
Ion Ratio Lower Upper
119 100
91 62.2 31.3 93.8
134 25.5 12.9 38.7

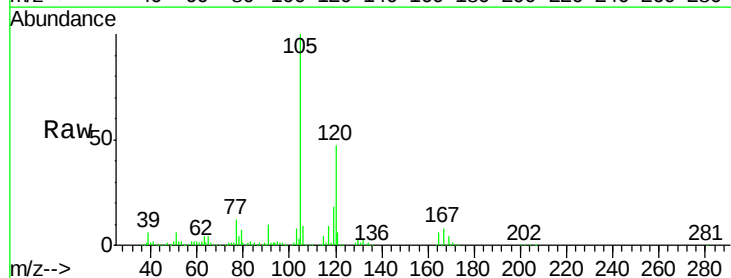


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

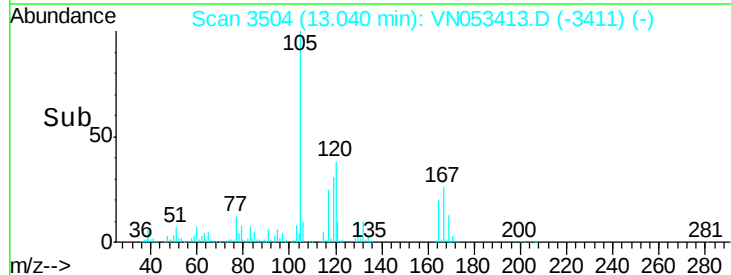
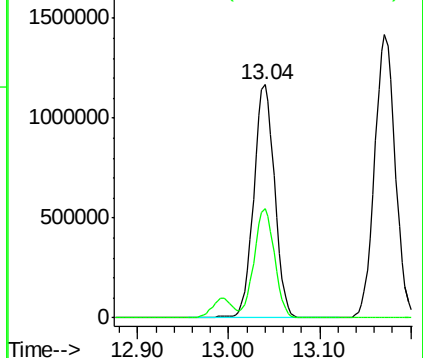


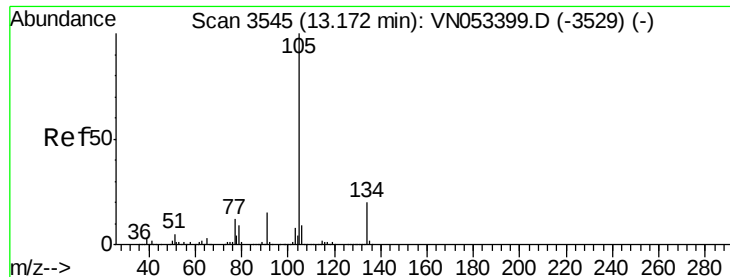
#84
1,2,4-Trimethylbenzene
Concen: 52.142 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053413.D
Acq: 16 Jan 2019 9:12

Tgt Ion:105 Resp: 1854841
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

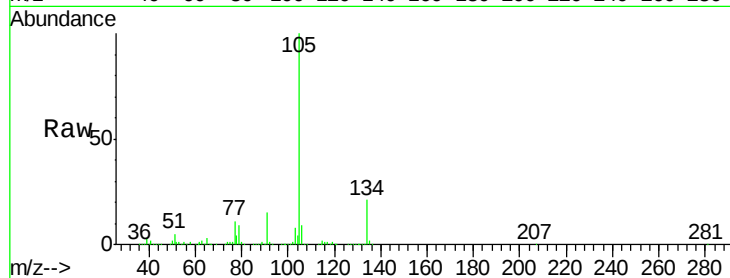
VSTDCCC050

Tot Ion:105 Resp: 2225580

Ion Ratio Lower Upper

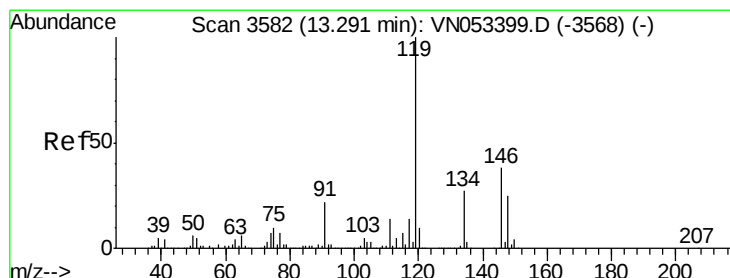
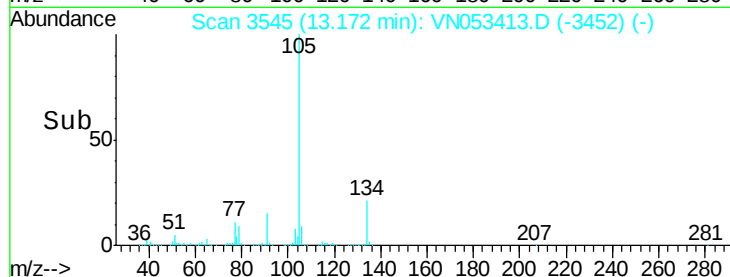
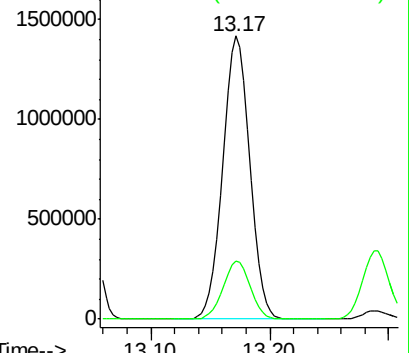
105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.532 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

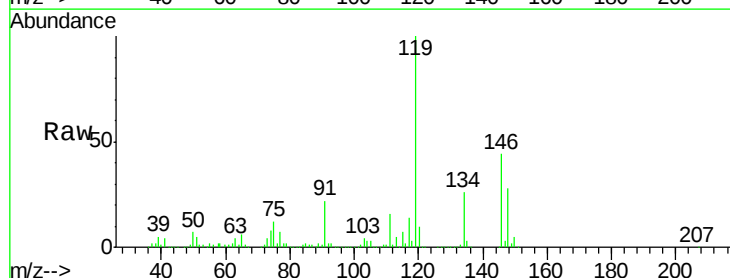
Tgt Ion:119 Resp: 1986344

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

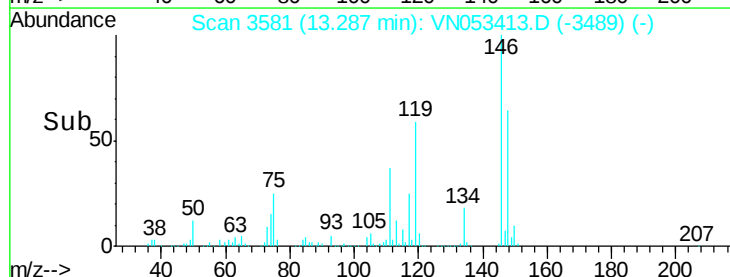
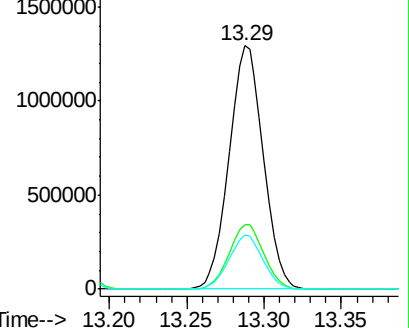
91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.750 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

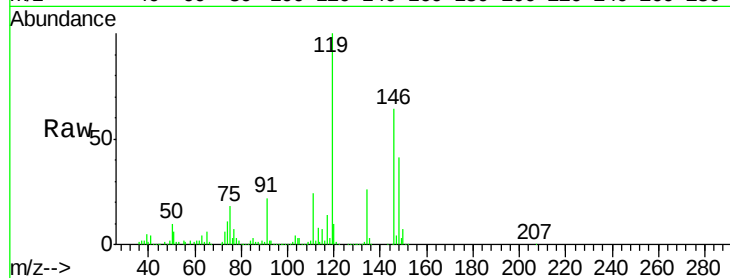
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1040102

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.6	32.0	96.2

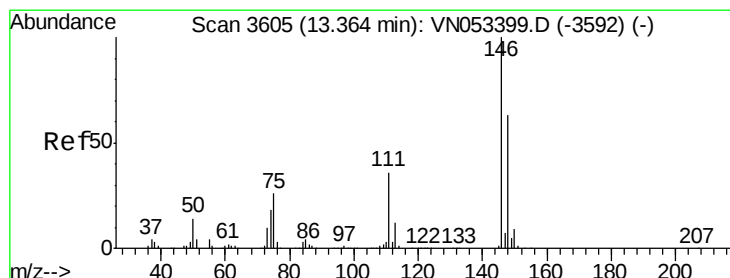
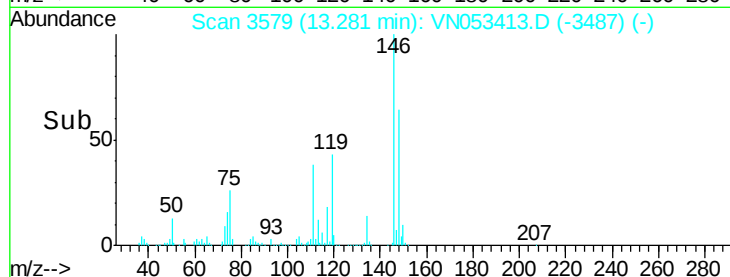
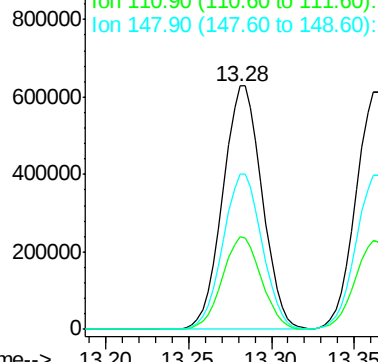


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.414 ug/l

RT: 13.36 min Scan# 3605

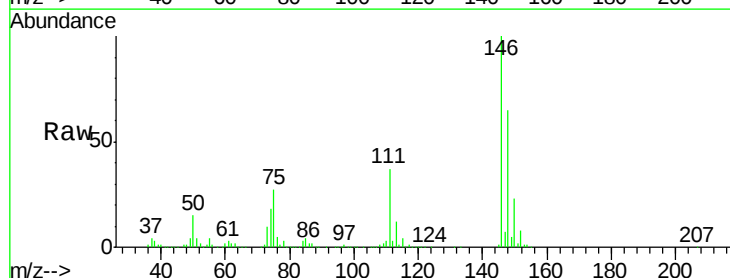
Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Tgt Ion:146 Resp: 1016394

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	65.1	32.4	97.0

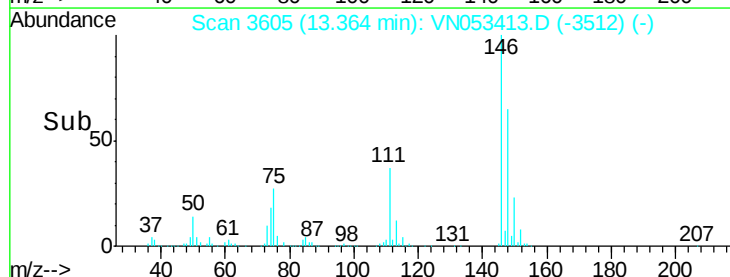
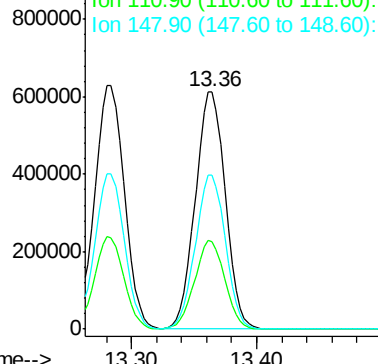


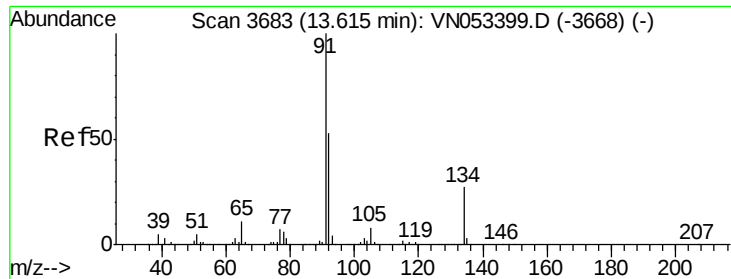
Abundance

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





#89

n-Butylbenzene

Concen: 54.801 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

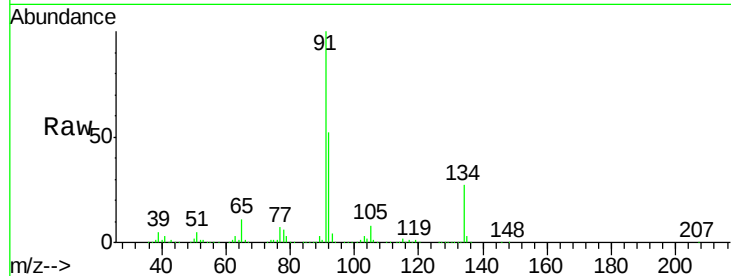
Tot Ion: 91 Resp: 1733309

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.8

134 26.8 13.5 40.5

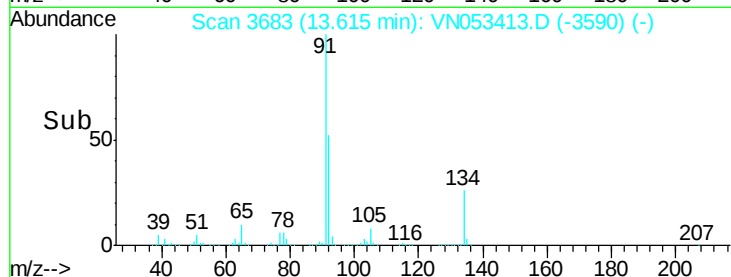


Abundance Ion 91.00 (90.70 to 91.70): VN053413.D (-3590) (-)

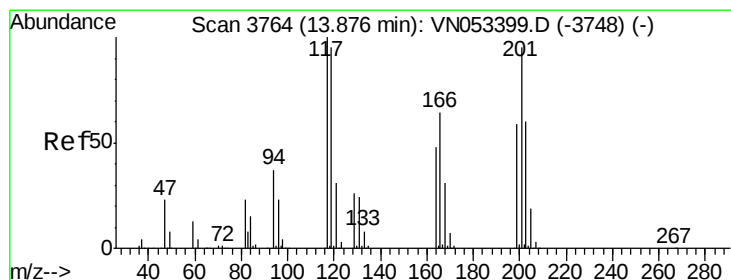
Ion 92.00 (91.70 to 92.70): VN053413.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053413.D (-3590) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 53.485 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053413.D

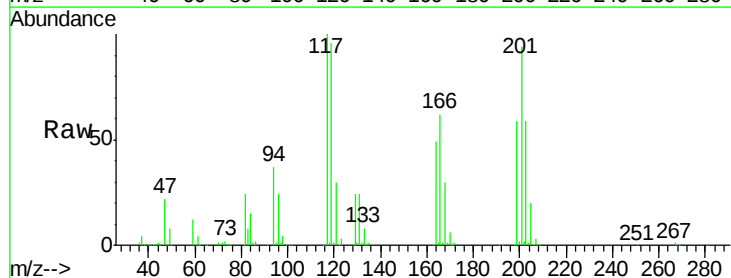
Acq: 16 Jan 2019 9:12

Tgt Ion: 117 Resp: 311257

Ion Ratio Lower Upper

117 100

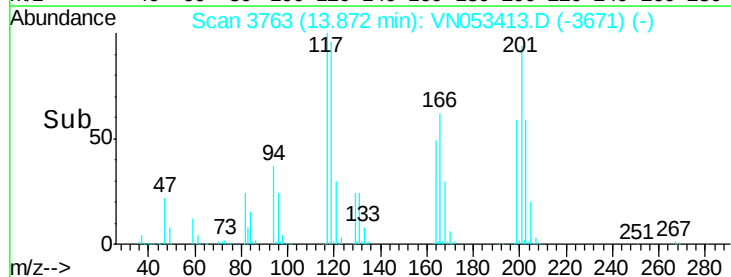
201 93.3 46.8 140.4



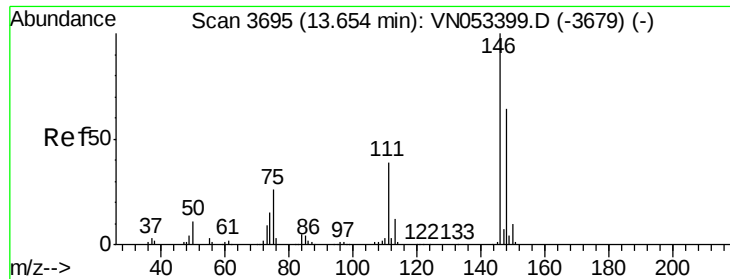
Abundance Ion 116.80 (116.50 to 117.50): VN053413.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053413.D (-3671) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 52.228 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

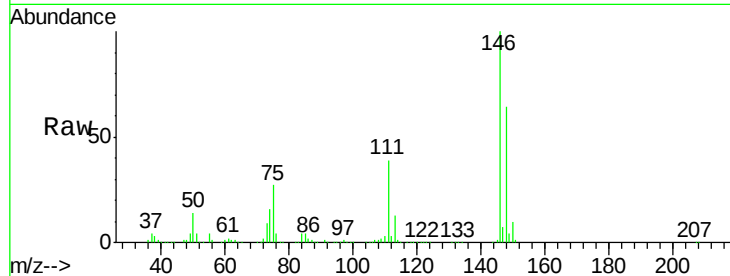
Tot Ion:146 Resp: 965741

Ion Ratio Lower Upper

146 100

111 39.1 19.5 58.5

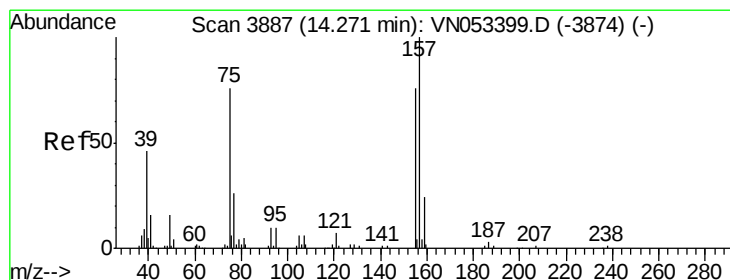
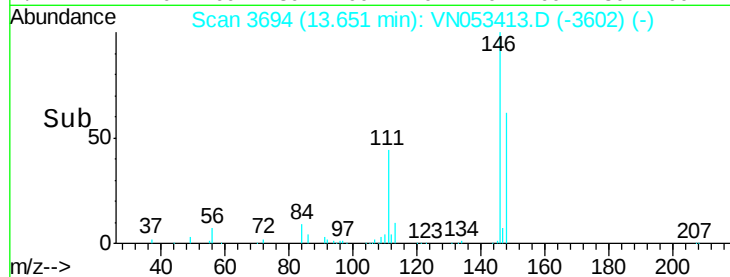
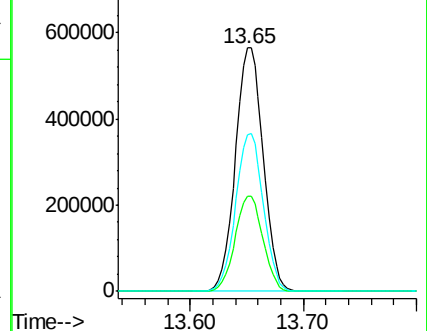
148 64.3 31.9 95.9



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: 53.266 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

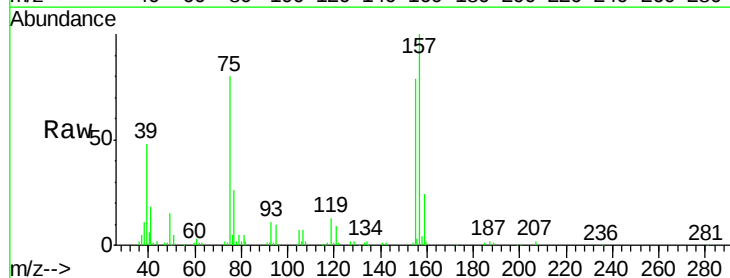
Tgt Ion: 75 Resp: 61421

Ion Ratio Lower Upper

75 100

155 96.6 48.9 146.7

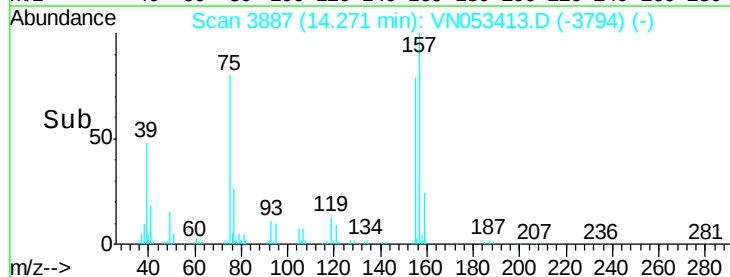
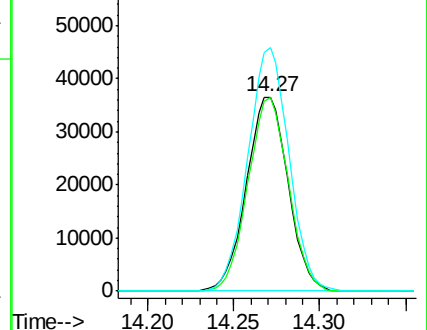
157 123.8 63.7 191.3

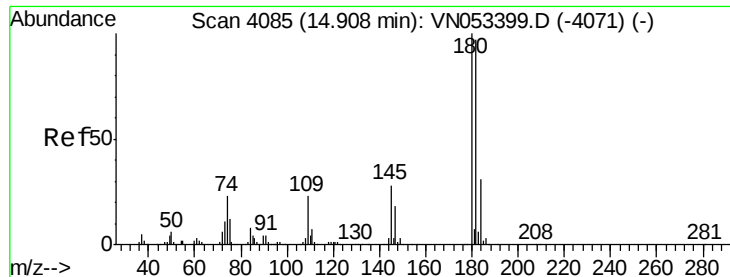


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

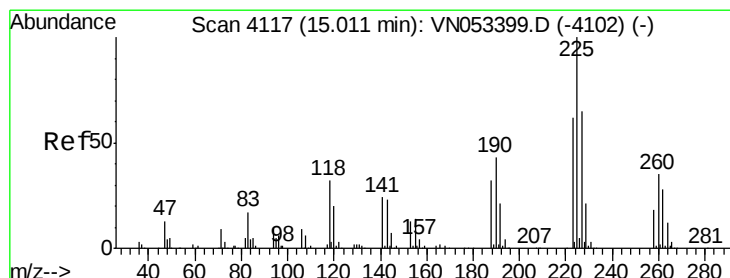
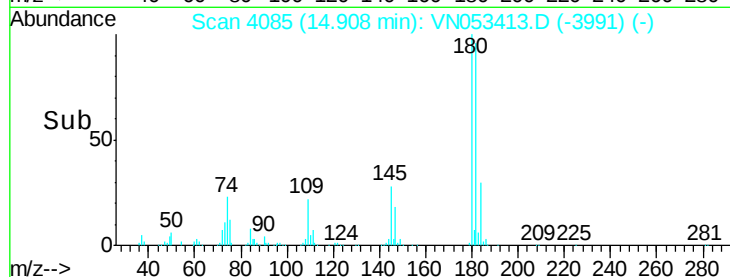
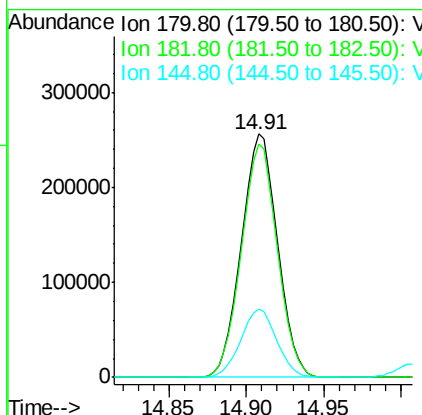
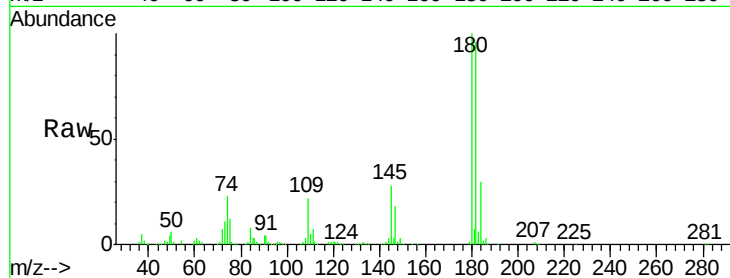




#93
 1,2,4-Trichlorobenzene
 Concen: 51.048 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

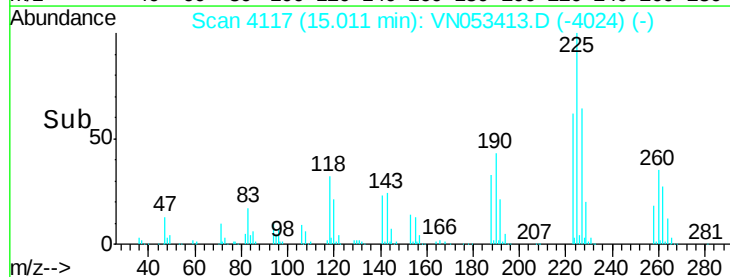
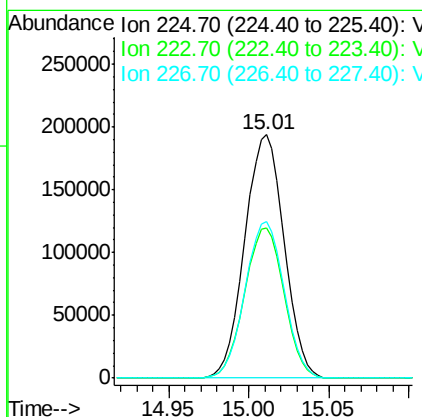
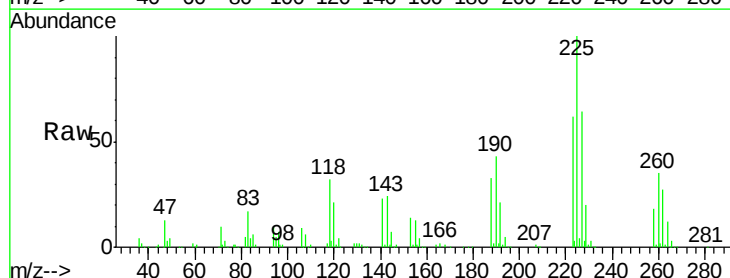
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

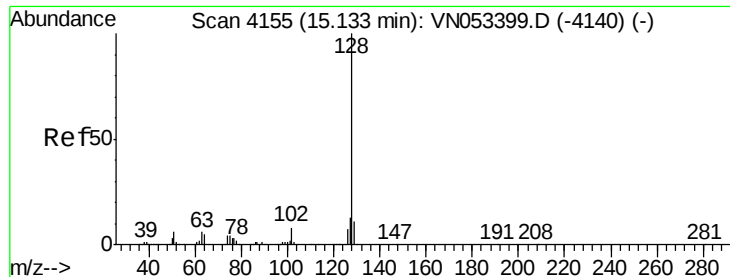
Tot Ion:180 Resp: 416983
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 56.454 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053413.D
 Acq: 16 Jan 2019 9:12

Tgt Ion:225 Resp: 325634
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.2
 227 63.9 32.0 96.2





#95

Naphthalene

Concen: 45.722 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

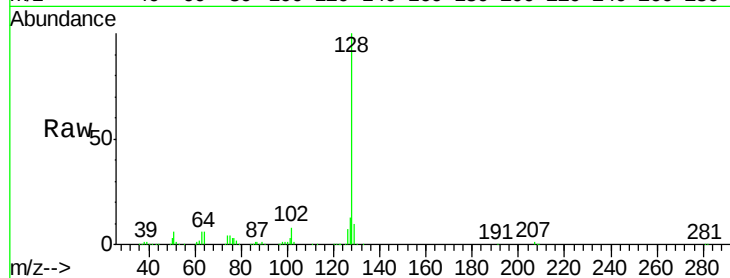
Tot Ion:128 Resp: 649232

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

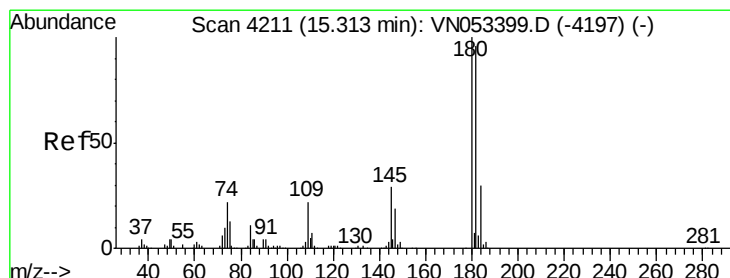
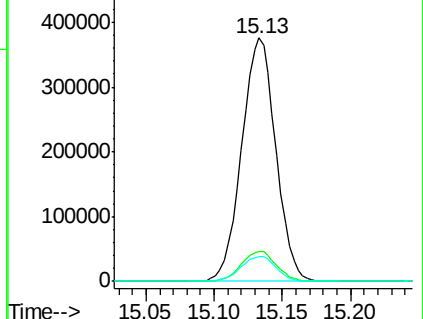
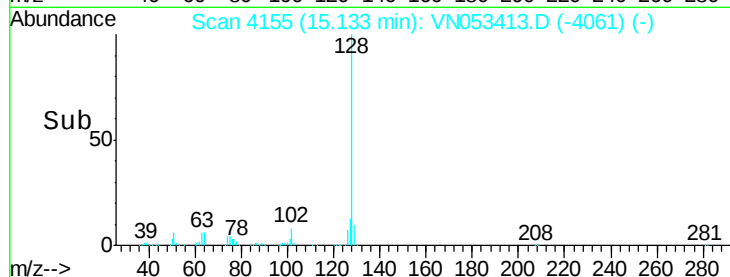
129 10.7 8.6 13.0



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: 47.589 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053413.D

Acq: 16 Jan 2019 9:12

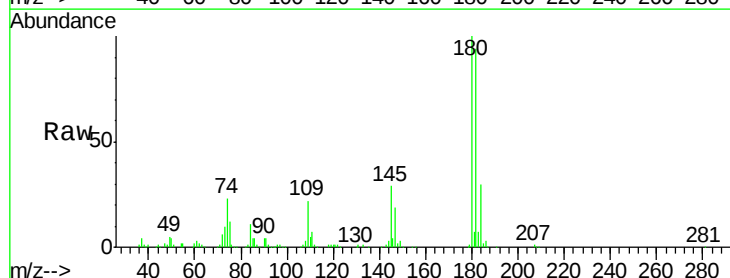
Tgt Ion:180 Resp: 282878

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.8

145 29.0 14.7 44.1



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

