

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053542.D
 Acq On : 28 Jan 2019 13:41
 Operator : JC/SP
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Quant Time: Jan 29 06:15:33 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	7.67	168	722659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	981984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	385874	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	7.59	113	359525	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
50) Toluene-d8	10.09	98	1318690	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	441683	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	109221	18.798	ug/l	100
3) Chloromethane	2.06	50	160921	19.371	ug/l	99
4) Vinyl Chloride	2.19	62	155481	19.417	ug/l	100
5) Bromomethane	2.57	94	98843	17.990	ug/l	99
6) Chloroethane	2.71	64	95482	19.722	ug/l	99
7) Trichlorofluoromethane	3.02	101	218201	20.832	ug/l	99
8) Diethyl Ether	3.41	74	89110	22.652	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	134482	20.274	ug/l	99
10) Methyl Iodide	3.96	142	209298	20.647	ug/l	100
11) Tert butyl alcohol	4.78	59	61214	175.142	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	133433	20.739	ug/l	99
13) Acrolein	3.61	56	53378	93.885	ug/l	98
14) Allyl chloride	4.33	41	225519	21.579	ug/l	99
15) Acrylonitrile	4.99	53	290376	126.241	ug/l	99
16) Acetone	3.82	43	194006	115.767	ug/l	100
17) Carbon Disulfide	4.06	76	349932	17.985	ug/l	99
18) Methyl Acetate	4.33	43	152234	26.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405206	23.703	ug/l	100
20) Methylene Chloride	4.55	84	160933	21.034	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	142940	20.780	ug/l	99
22) Diisopropyl ether	5.95	45	459171	21.046	ug/l	96
23) Vinyl Acetate	5.90	43	1601778	119.436	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280702	21.764	ug/l	99
25) 2-Butanone	6.84	43	321016	124.306	ug/l	99
26) 2,2-Dichloropropane	6.83	77	198495	20.384	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170840	21.719	ug/l	99
28) Bromochloromethane	7.20	49	118926	20.931	ug/l	99
29) Tetrahydrofuran	7.21	42	222034	132.069	ug/l	99
30) Chloroform	7.37	83	279266	22.224	ug/l	99
31) Cyclohexane	7.66	56	245696	19.438	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	228711	21.456	ug/l	100
36) 1,1-Dichloropropene	7.79	75	203724	19.606	ug/l	100
37) Ethyl Acetate	6.93	43	146574	24.518	ug/l	100
38) Carbon Tetrachloride	7.78	117	200156	20.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	228423	17.785	ug/l	98
40) Benzene	8.04	78	636902	20.170	ug/l	100
41) Methacrylonitrile	7.18	41	84612	24.168	ug/l	97
42) 1,2-Dichloroethane	8.12	62	198110	21.536	ug/l	99
43) Isopropyl Acetate	8.17	43	280519	26.096	ug/l #	84
44) Trichloroethene	8.84	130	181486	20.725	ug/l	97
45) 1,2-Dichloropropane	9.12	63	169622	20.281	ug/l	99
46) Dibromomethane	9.21	93	101163	21.053	ug/l	99
47) Bromodichloromethane	9.40	83	210102	20.791	ug/l	99
48) Methyl methacrylate	9.20	41	117366	21.146	ug/l	93
49) 1,4-Dioxane	9.20	88	34758	641.223	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	685792	116.866	ug/l	98
52) Toluene	10.16	92	387363	19.760	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	211989	20.696	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	248447	20.691	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	149471	22.116	ug/l	98
56) Ethyl methacrylate	10.43	69	190223	21.074	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249462	21.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	522335	110.472	ug/l	100
59) 2-Hexanone	10.75	43	450908	109.459	ug/l	100
60) Dibromochloromethane	10.90	129	158667	20.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	143619	21.011	ug/l	99
64) Tetrachloroethene	10.63	164	160864	17.383	ug/l	98
65) Chlorobenzene	11.44	112	423250	20.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150980	20.880	ug/l	99
67) Ethyl Benzene	11.51	91	706596	19.947	ug/l	99
68) m/p-Xylenes	11.62	106	541411	40.482	ug/l	99
69) o-Xylene	11.95	106	261223	20.101	ug/l	99
70) Styrene	11.97	104	429368	20.357	ug/l	99
71) Bromoform	12.13	173	106226	21.339	ug/l #	99
73) Isopropylbenzene	12.25	105	692459	20.528	ug/l	100
74) N-amyl acetate	12.07	43	193924	21.566	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	180234	25.477	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	220845	36.382	ug/l #	100
77) Bromobenzene	12.53	156	184986	20.812	ug/l	99
78) n-propylbenzene	12.59	91	785547	20.288	ug/l	100
79) 2-Chlorotoluene	12.68	91	469794	20.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	570499	20.787	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48233	21.624	ug/l	98
82) 4-Chlorotoluene	12.77	91	478900	20.461	ug/l	99
83) tert-Butylbenzene	12.99	119	504899	20.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	577659	20.874	ug/l	99
85) sec-Butylbenzene	13.17	105	684746	20.597	ug/l	100
86) p-Isopropyltoluene	13.29	119	591947	20.507	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	318470	20.369	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	314862	20.076	ug/l	100
89) n-Butylbenzene	13.62	91	498048	20.242	ug/l	100
90) Hexachloroethane	13.88	117	92591	20.453	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	314212	21.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26271	29.287	ug/l	99

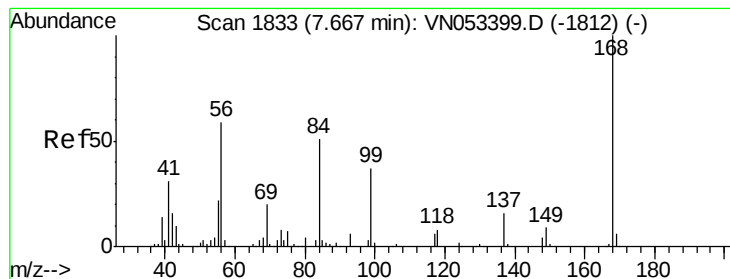
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185193	30.331	ug/l	98
94) Hexachlorobutadiene	15.01	225	102394	22.819	ug/l	98
95) Naphthalene	15.13	128	438888	40.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	177305	39.102	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

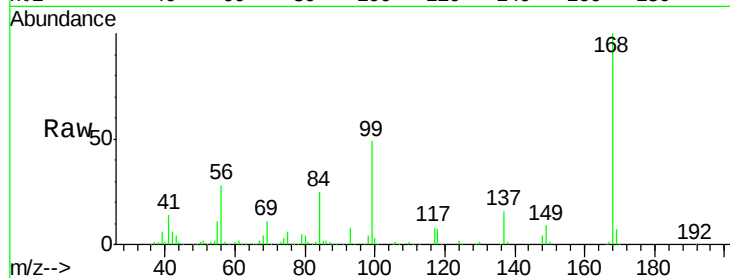
VN0128WBS01

Tot Ion:168 Resp: 722659

Ion Ratio Lower Upper

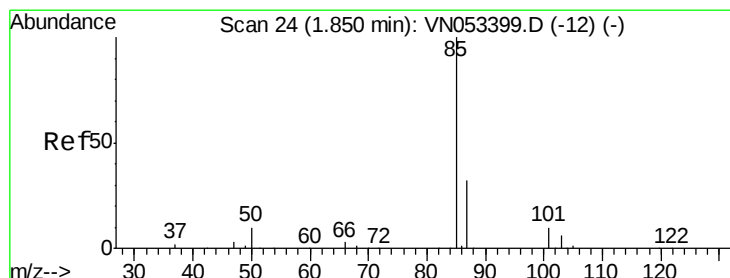
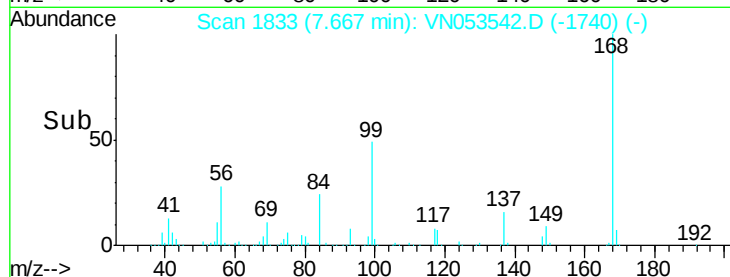
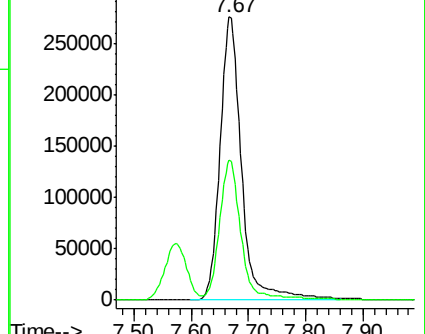
168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.798 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053542.D

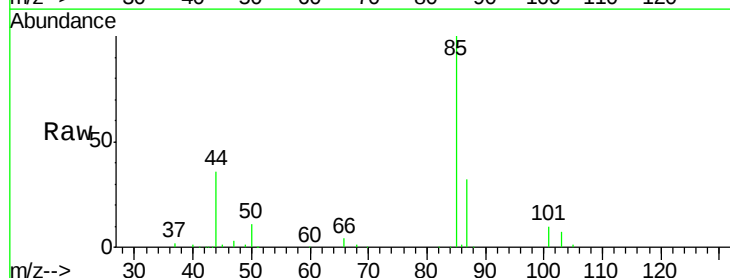
Acq: 28 Jan 2019 13:41

Tgt Ion: 85 Resp: 109221

Ion Ratio Lower Upper

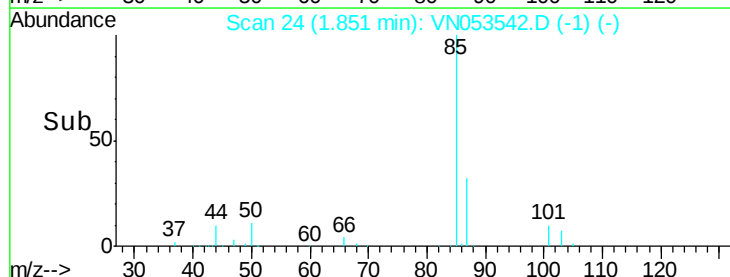
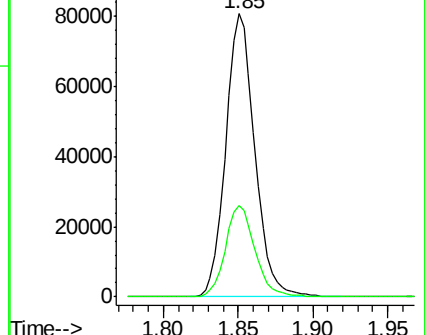
85 100

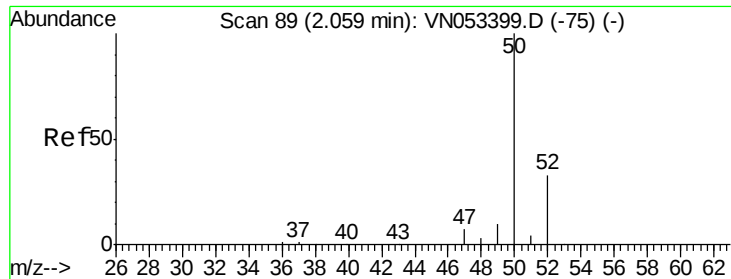
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.371 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

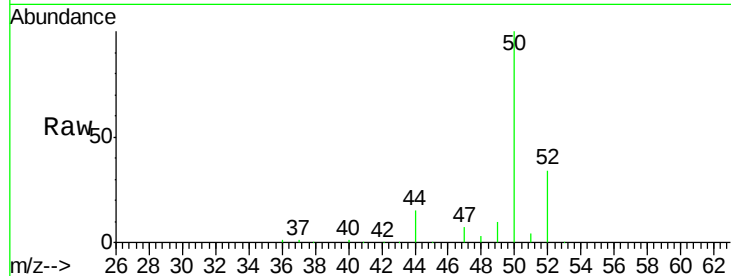
VN0128WBS01

Tot Ion: 50 Resp: 160921

Ion Ratio Lower Upper

50 100

52 33.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

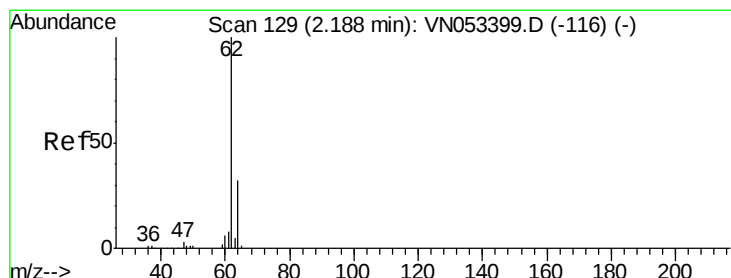
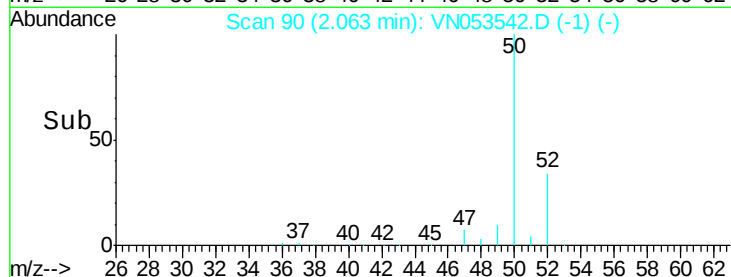
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.417 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053542.D

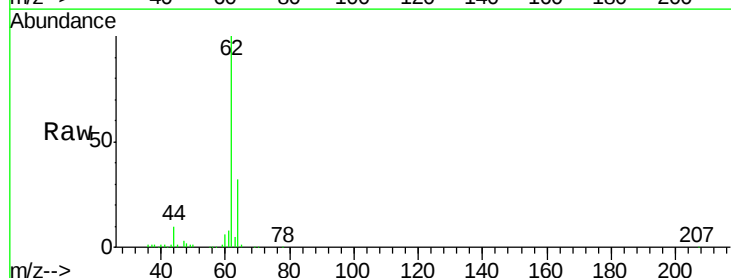
Acq: 28 Jan 2019 13:41

Tgt Ion: 62 Resp: 155481

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

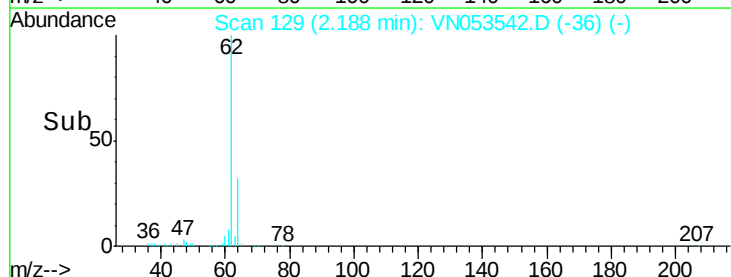
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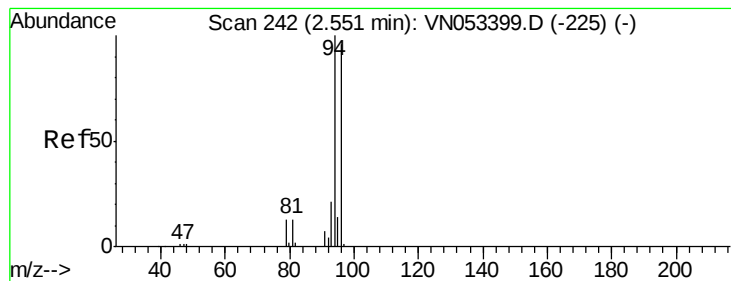
40000

20000

0

Time-->





#5

Bromomethane

Concen: 17.990 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

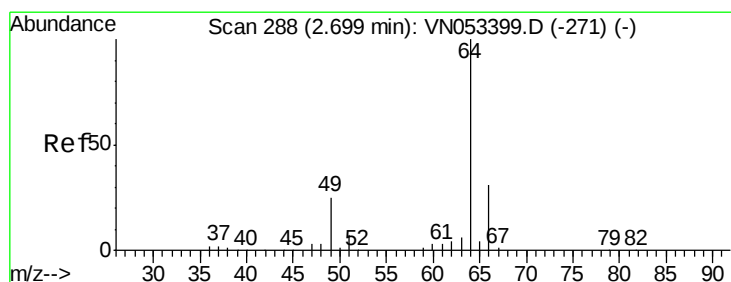
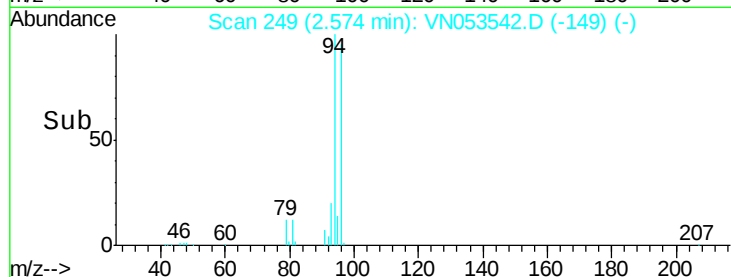
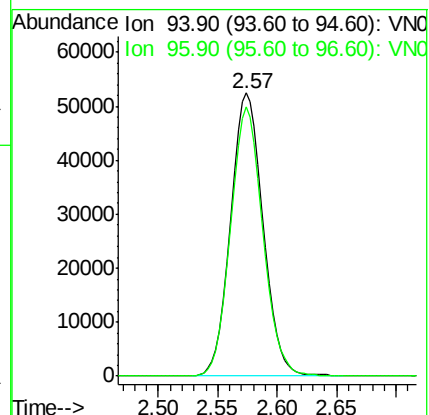
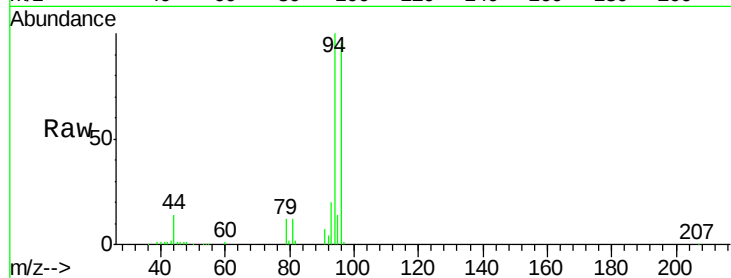
VN0128WBS01

Tot Ion: 94 Resp: 98843

Ion Ratio Lower Upper

94 100

96 95.0 76.8 115.2



#6

Chloroethane

Concen: 19.722 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053542.D

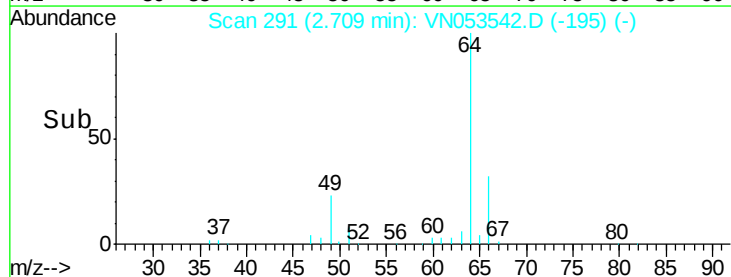
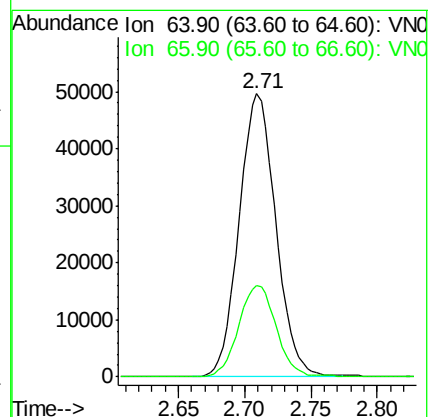
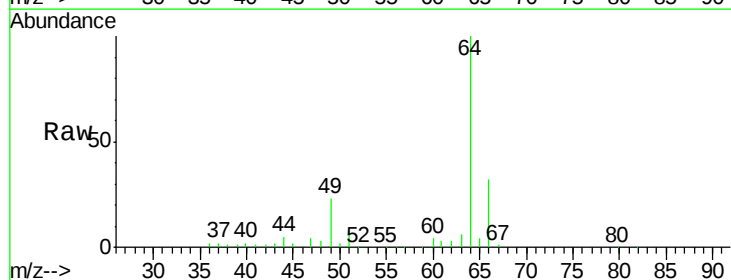
Acq: 28 Jan 2019 13:41

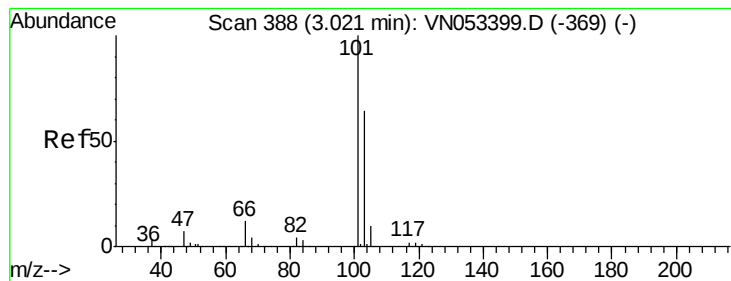
Tgt Ion: 64 Resp: 95482

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



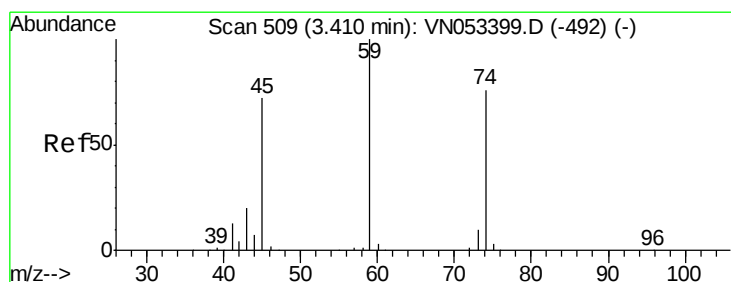
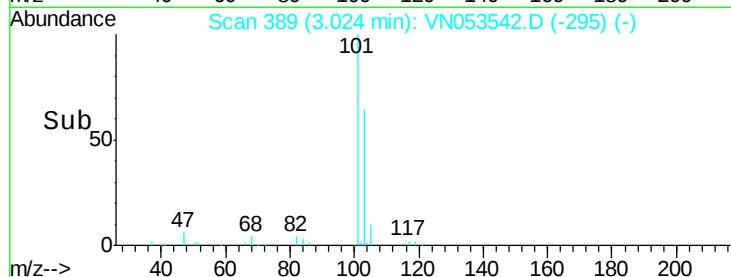
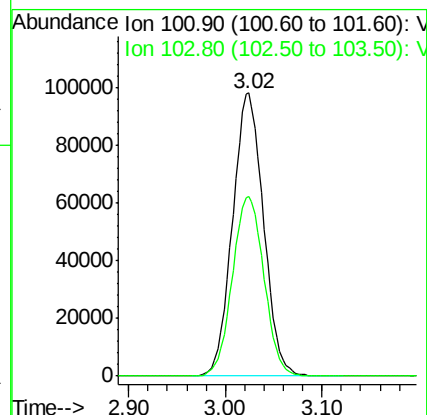
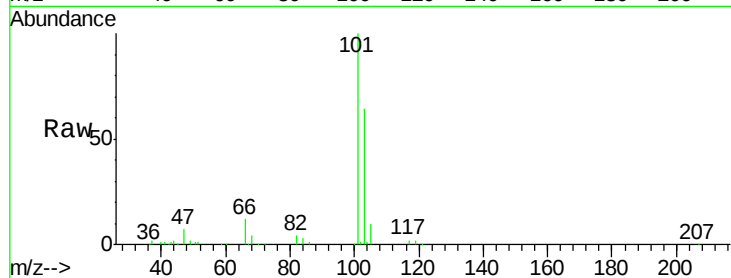


#7

Trichlorofluoromethane
 Concen: 20.832 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

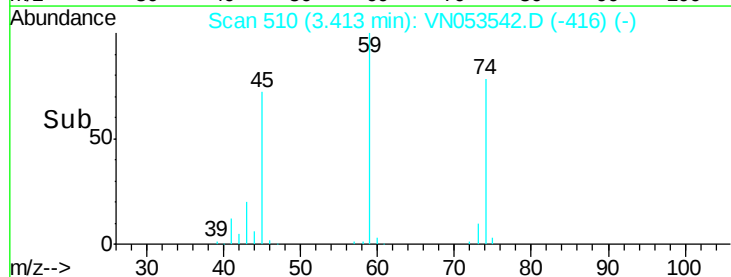
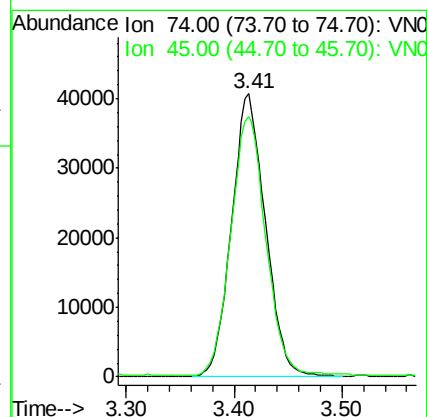
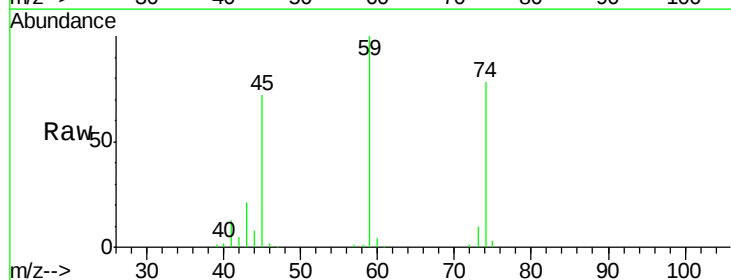
Tot Ion:101 Resp: 218201
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.6 77.4

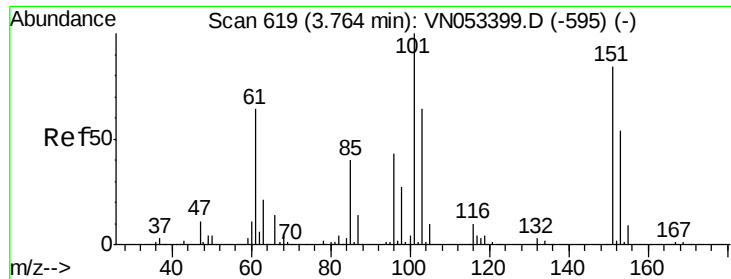


#8

Diethyl Ether
 Concen: 22.652 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 74 Resp: 89110
 Ion Ratio Lower Upper
 74 100
 45 93.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.274 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

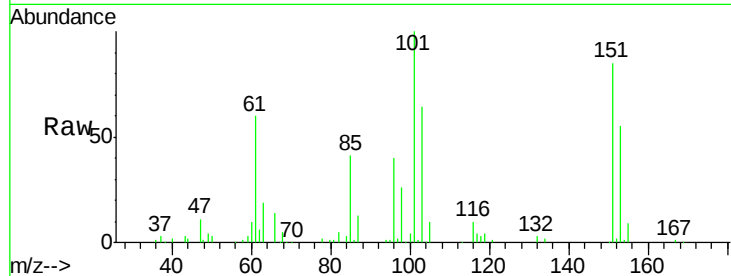
Tot Ion:101 Resp: 134482

Ion Ratio Lower Upper

101 100

85 41.8 32.8 49.2

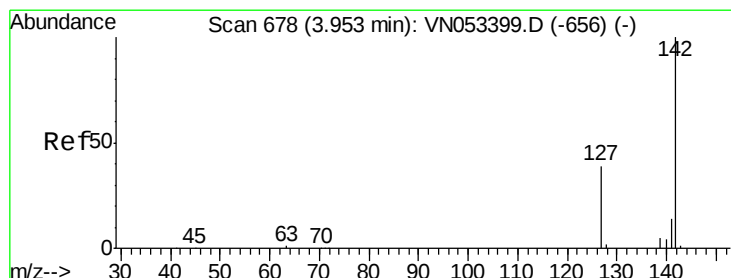
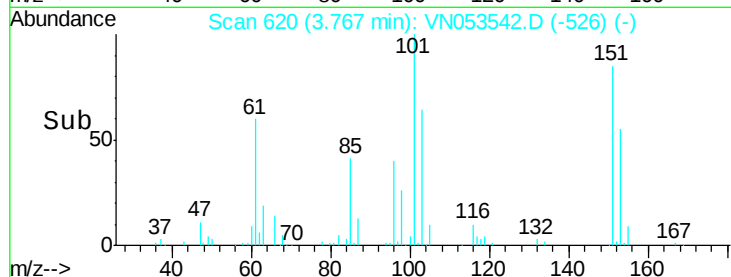
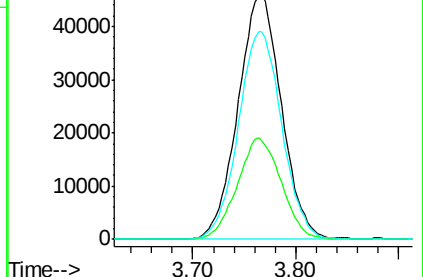
151 85.1 66.9 100.3



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: 20.647 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

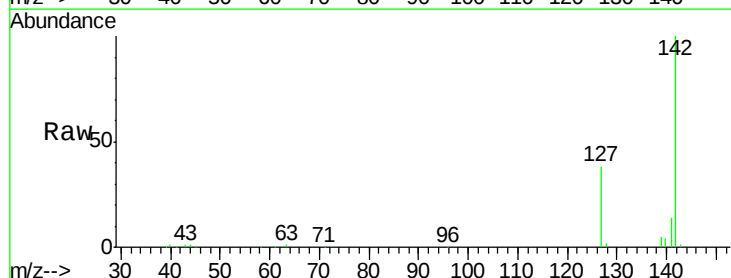
Tgt Ion:142 Resp: 209298

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

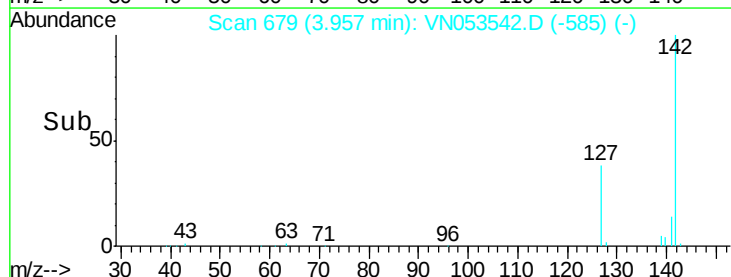
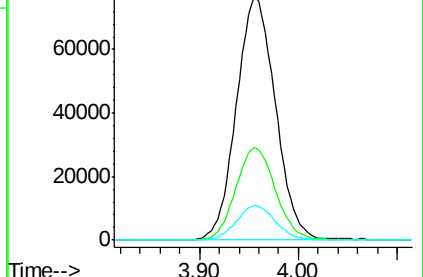
141 14.1 11.1 16.7

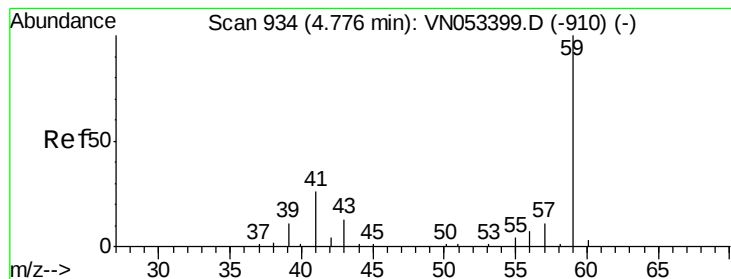


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



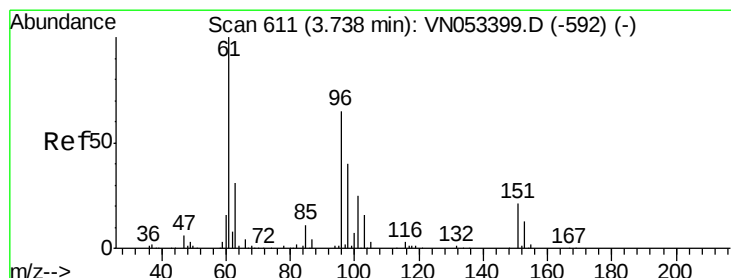
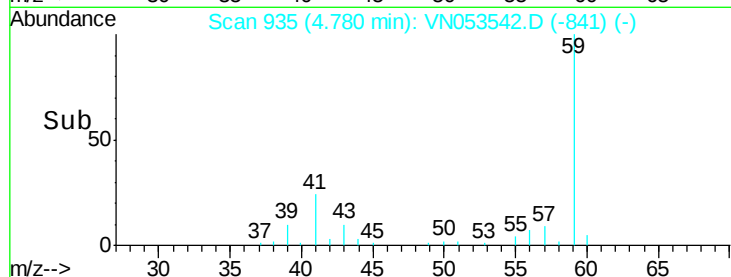
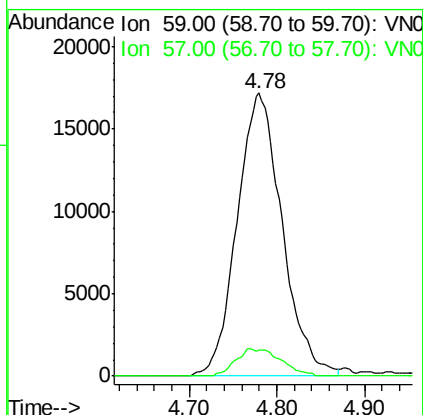
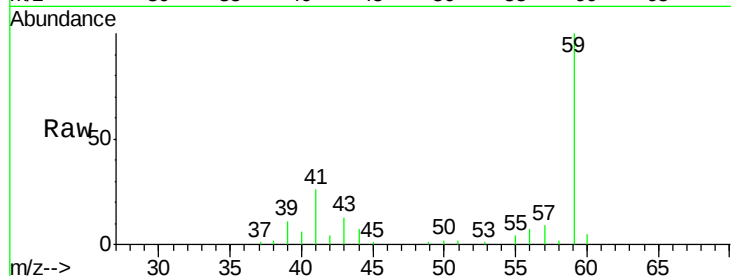


#11

Tert butyl alcohol
 Concen: 175.142 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

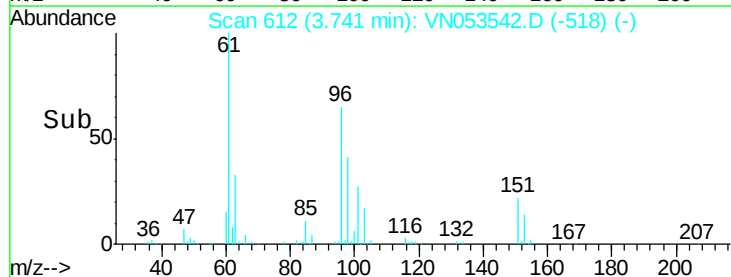
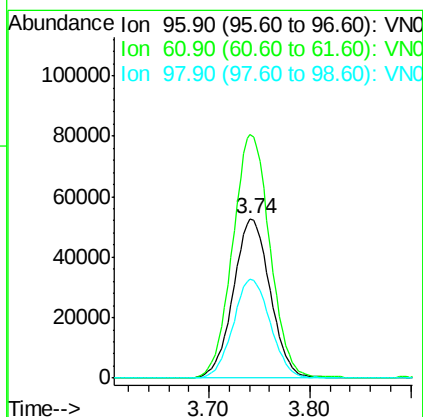
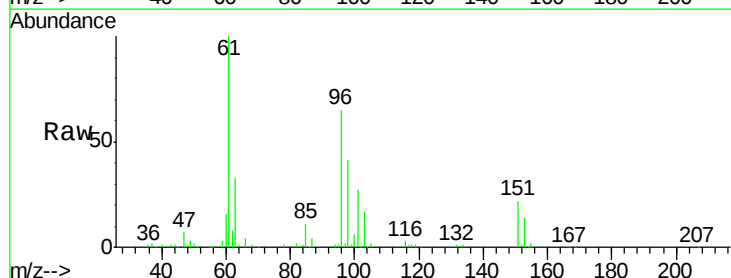
Tot Ion: 59 Resp: 61214
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.2 12.4#

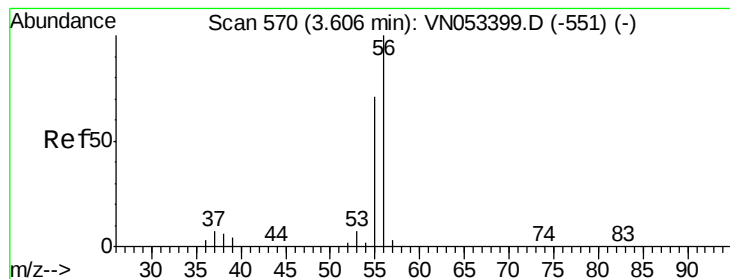


#12

1,1-Dichloroethene
 Concen: 20.739 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 96 Resp: 133433
 Ion Ratio Lower Upper
 96 100
 61 152.7 122.9 184.3
 98 62.1 49.4 74.0





#13

Acrolein

Concen: 93.885 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

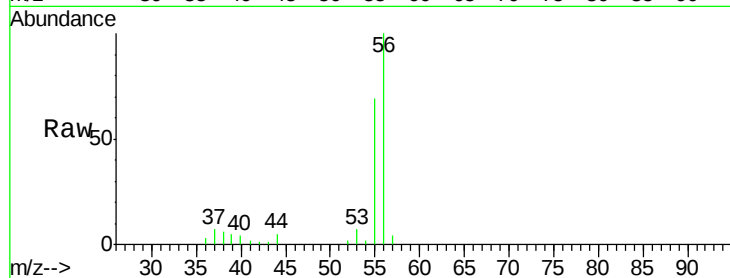
VN0128WBS01

Tot Ion: 56 Resp: 53378

Ion Ratio Lower Upper

56 100

55 70.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

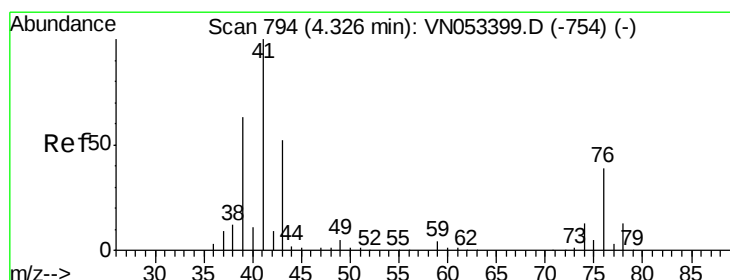
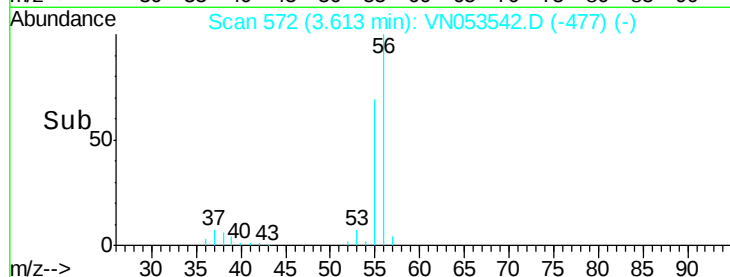
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 21.579 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

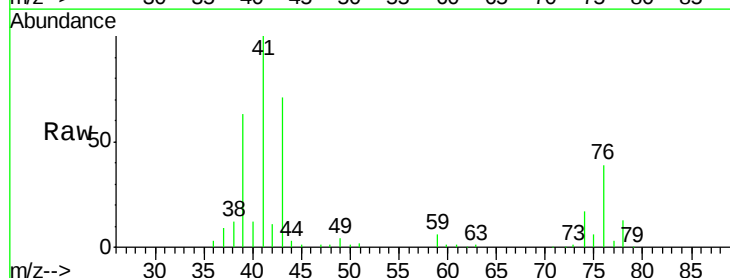
Tgt Ion: 41 Resp: 225519

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 37.0 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

100000

80000

60000

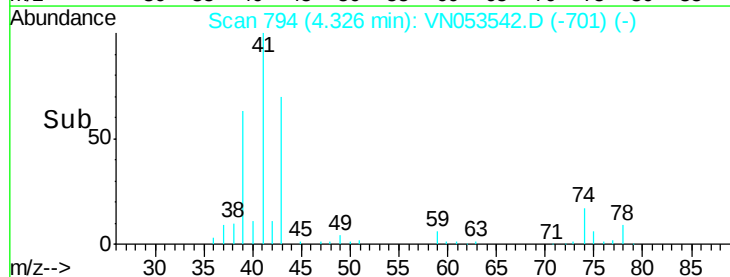
40000

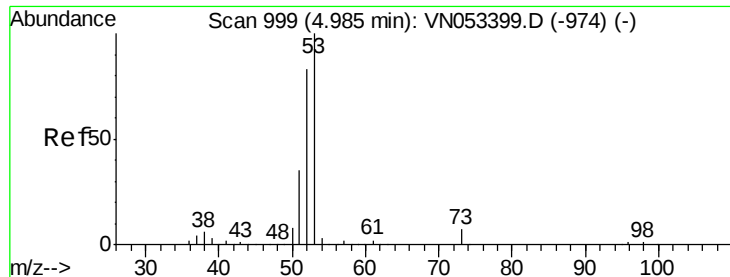
20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 126.241 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

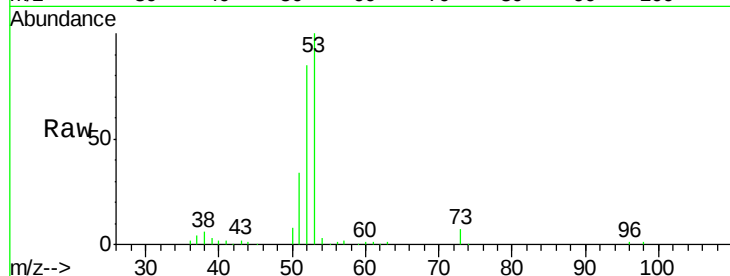
Tot Ion: 53 Resp: 290376

Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

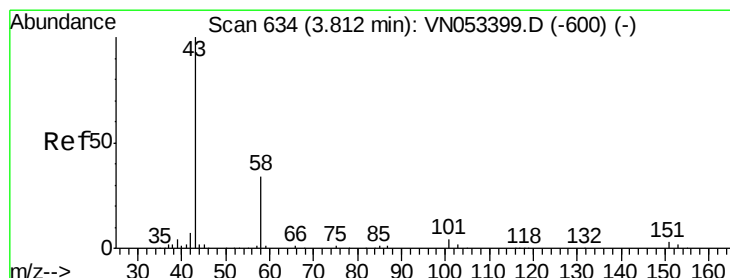
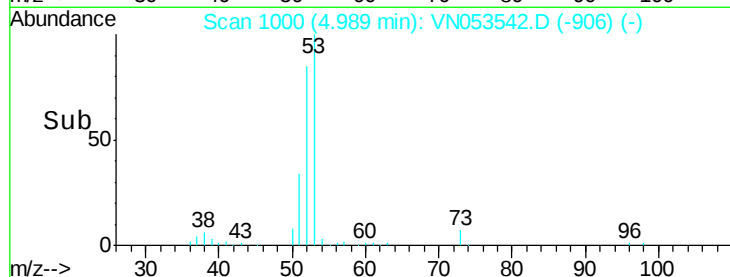
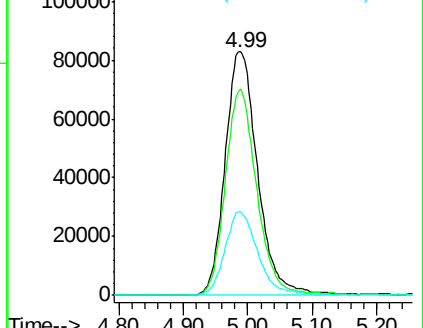
51 34.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 115.767 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053542.D

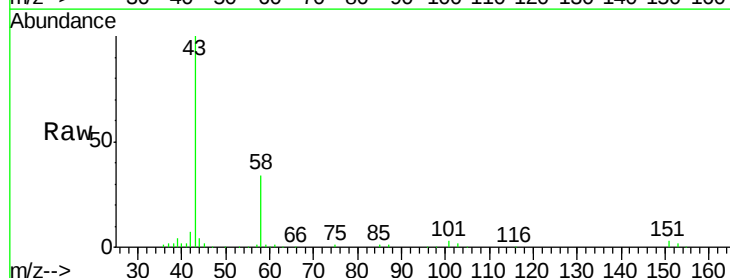
Acq: 28 Jan 2019 13:41

Tgt Ion: 43 Resp: 194006

Ion Ratio Lower Upper

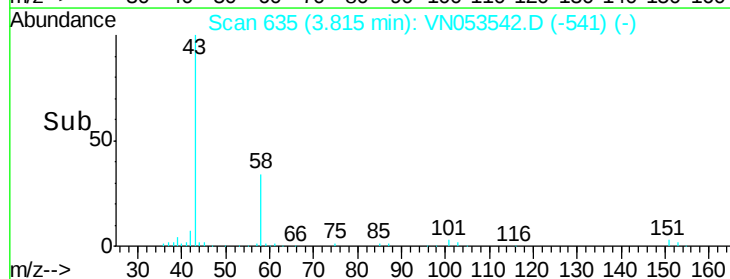
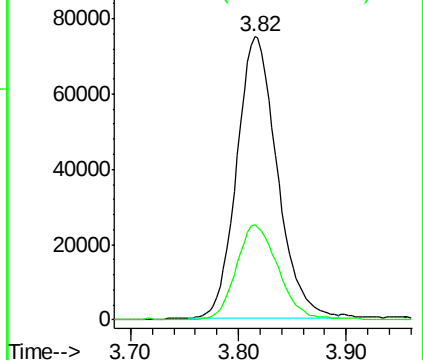
43 100

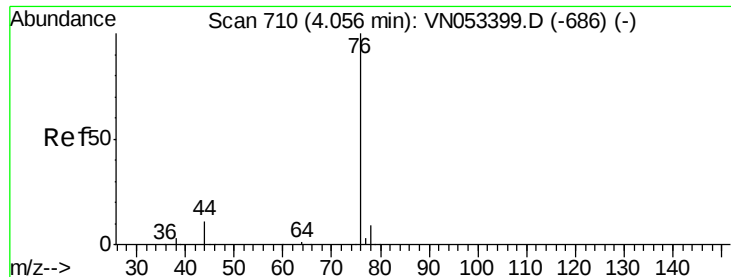
58 33.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.985 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

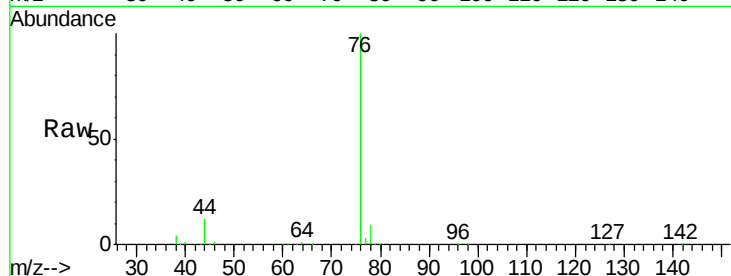
VN0128WBS01

Tot Ion: 76 Resp: 349932

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN053399.D (-686) (-)

4.06

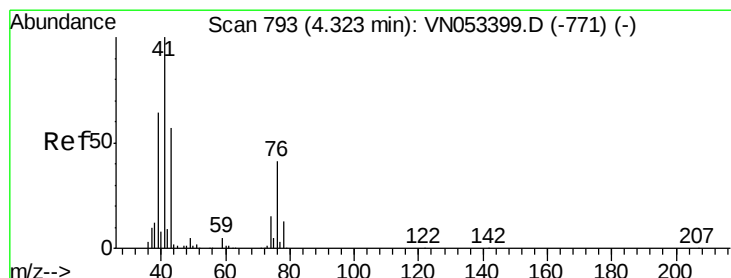
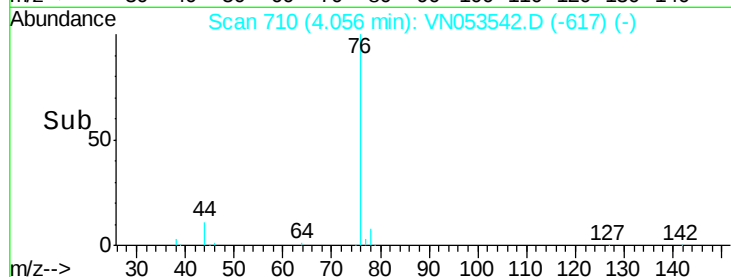
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 26.963 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053542.D

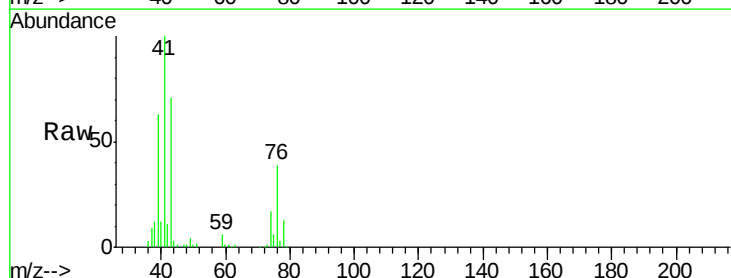
Acq: 28 Jan 2019 13:41

Tgt Ion: 43 Resp: 152234

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN053399.D (-771) (-)

4.33

60000

50000

40000

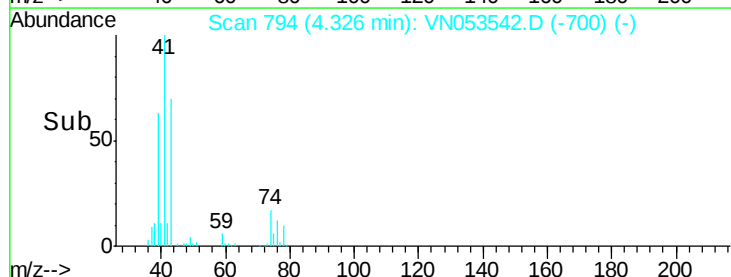
30000

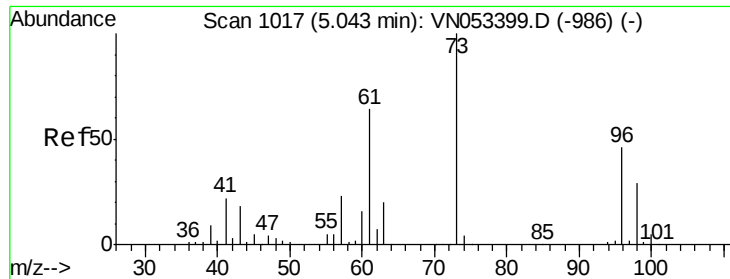
20000

10000

0

Time-->

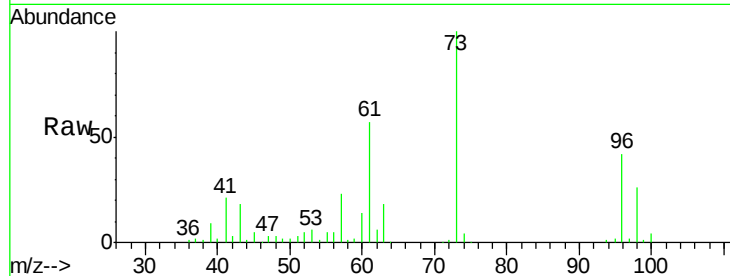




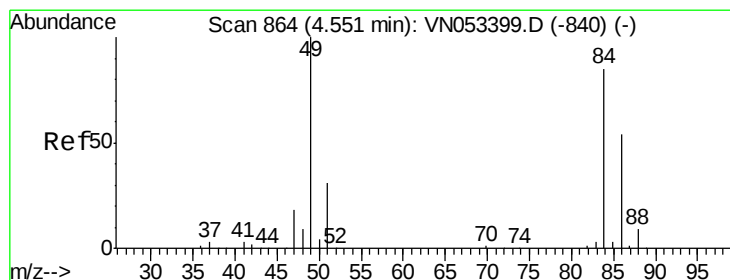
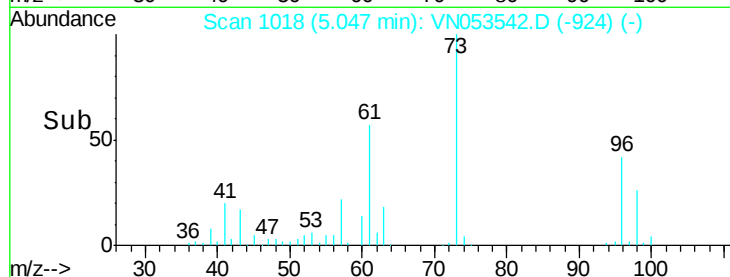
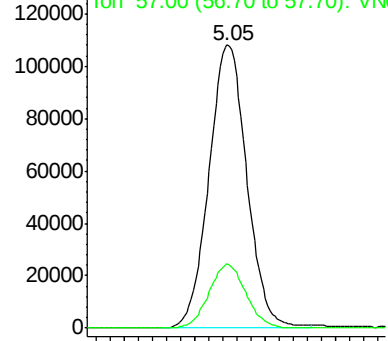
#19
Methvl tert-butvl Ether
Concen: 23.703 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 73 Resp: 405206
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

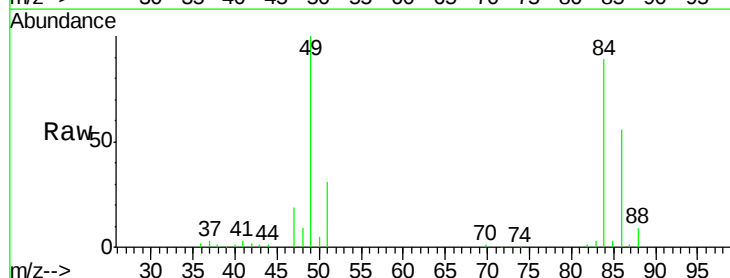


Abundance Ion 73.00 (72.70 to 73.70): VN053399.D (-986) (-)
Ion 57.00 (56.70 to 57.70): VN053399.D (-986) (-)

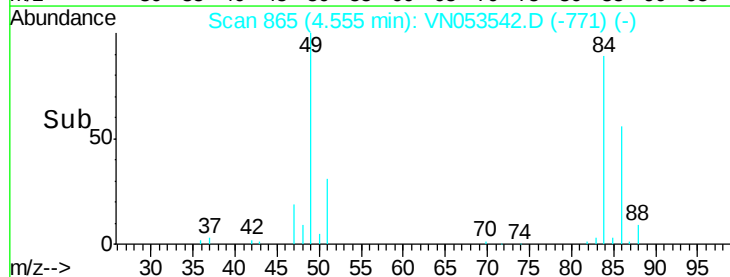
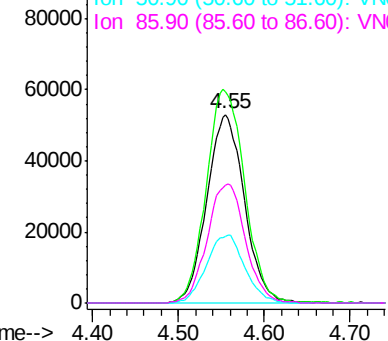


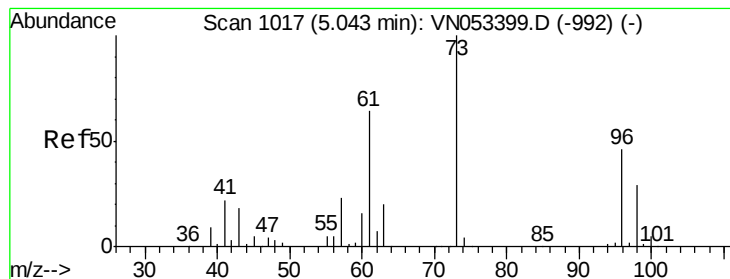
#20
Methylene Chloride
Concen: 21.034 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 84 Resp: 160933
Ion Ratio Lower Upper
84 100
49 112.4 94.3 141.5
51 35.1 29.4 44.2
86 62.7 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053399.D (-840) (-)
Ion 48.90 (48.60 to 49.60): VN053399.D (-840) (-)
Ion 50.90 (50.60 to 51.60): VN053399.D (-840) (-)
Ion 85.90 (85.60 to 86.60): VN053399.D (-840) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.780 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

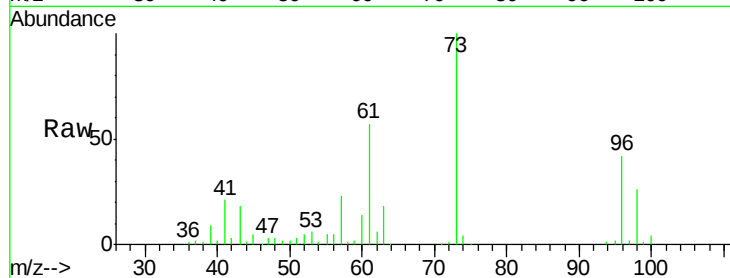
Tot Ion: 96 Resp: 142940

Ion Ratio Lower Upper

96 100

61 135.8 110.1 165.1

98 62.6 50.0 75.0

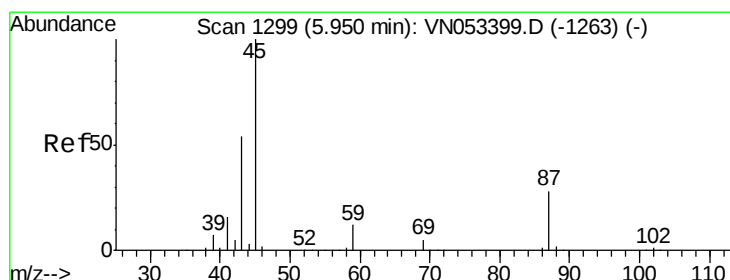
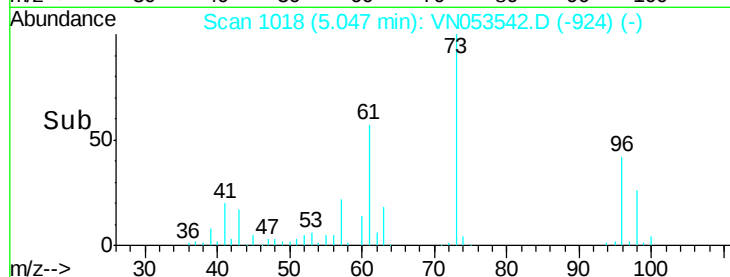
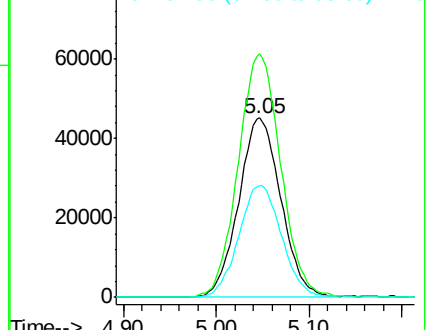


Abundance

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: 21.046 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion: 45 Resp: 459171

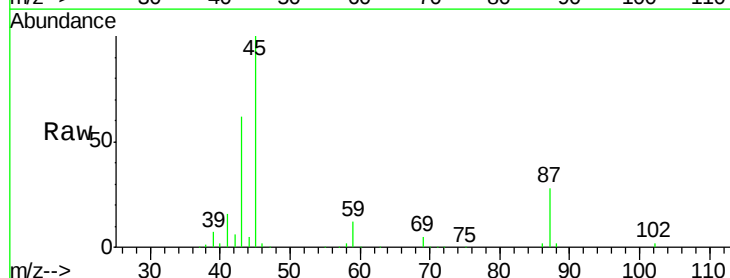
Ion Ratio Lower Upper

45 100

43 59.5 44.2 66.4

87 27.3 22.7 34.1

59 11.6 9.4 14.2



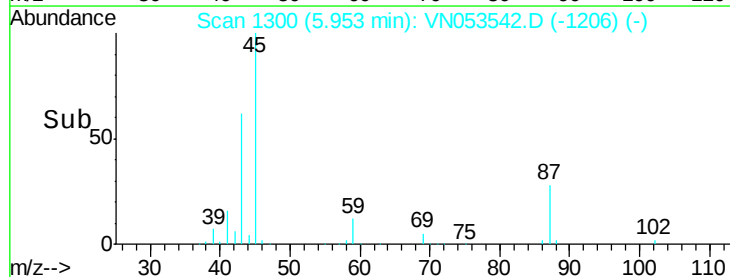
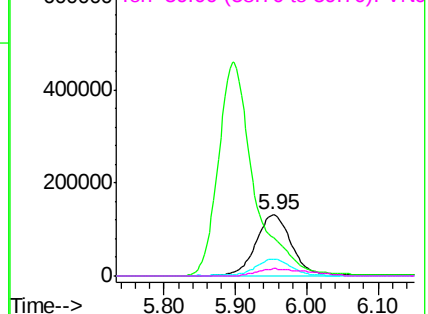
Abundance

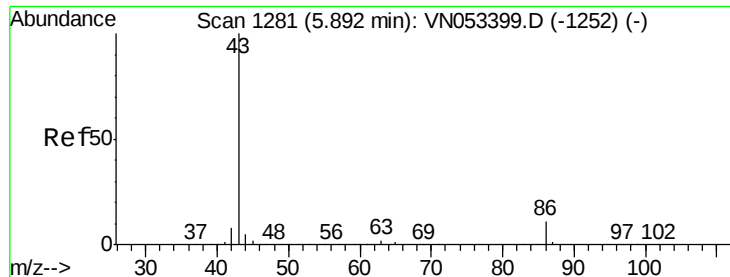
Ion 45.00 (44.70 to 45.70): VN0

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: 119.436 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleID :

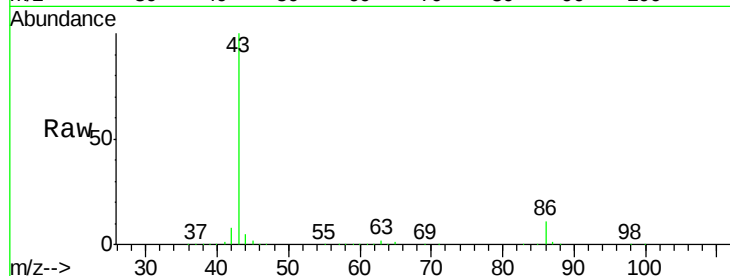
VN0128WBS01

Tot Ion: 43 Resp: 1601778

Ion Ratio Lower Upper

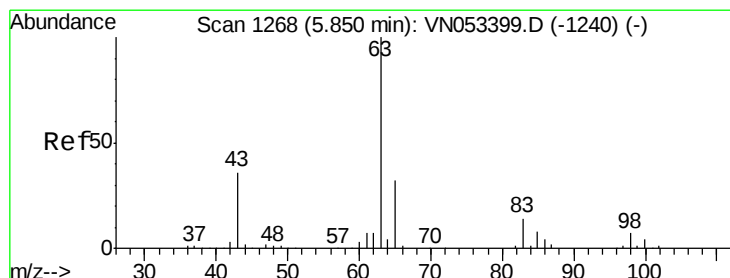
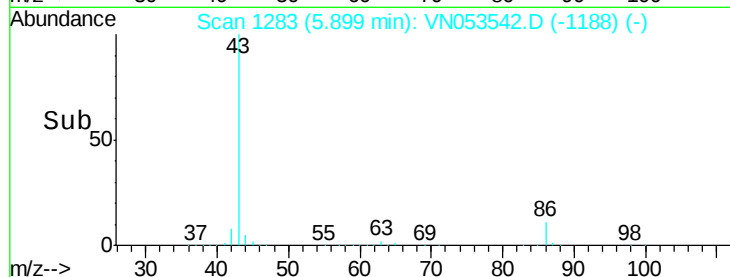
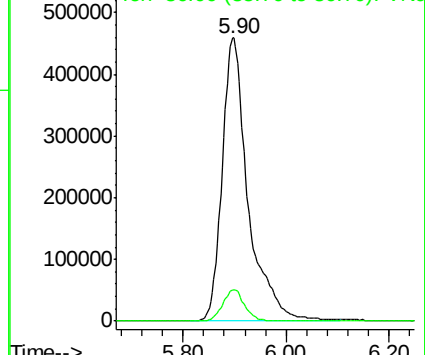
43 100

86 11.1 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: 21.764 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

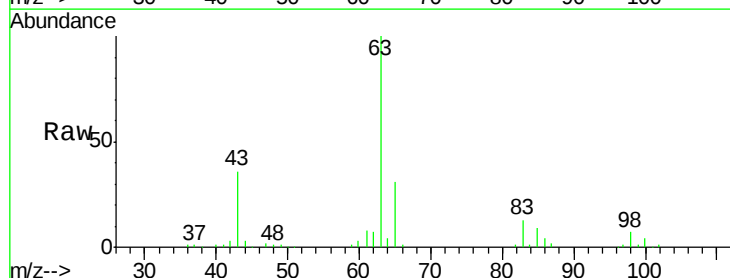
Tgt Ion: 63 Resp: 280702

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

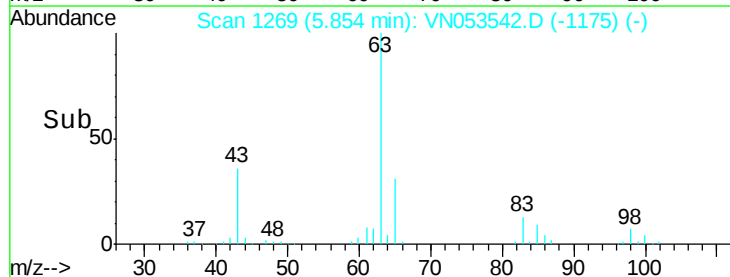
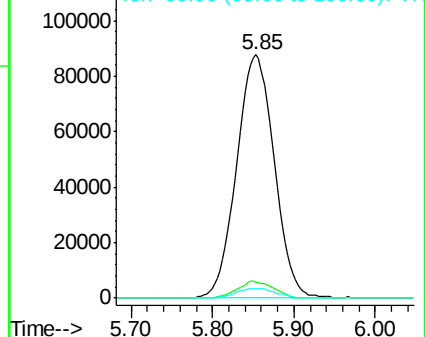
100 3.8 2.1 6.5

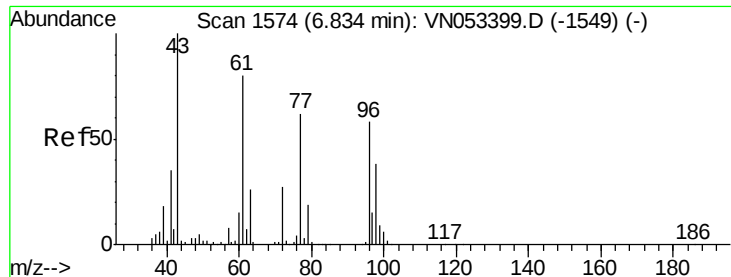


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 124.306 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

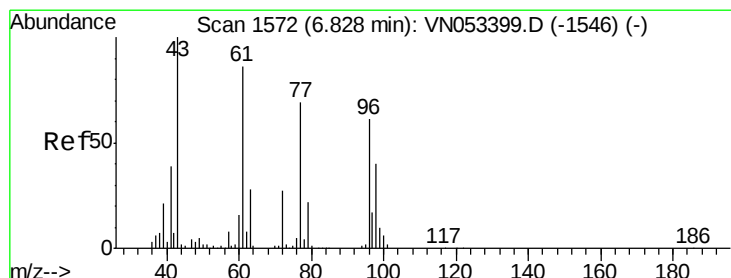
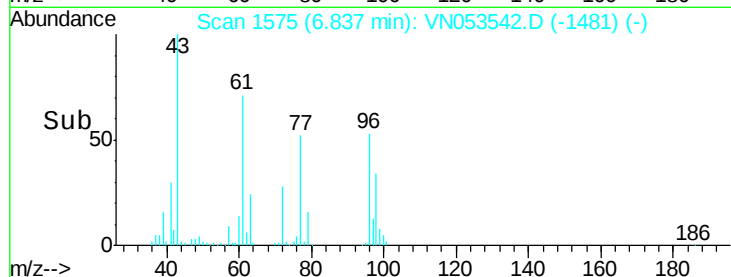
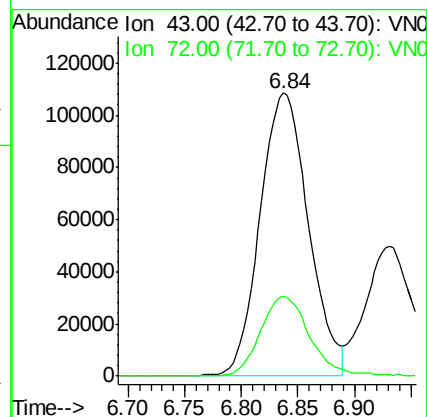
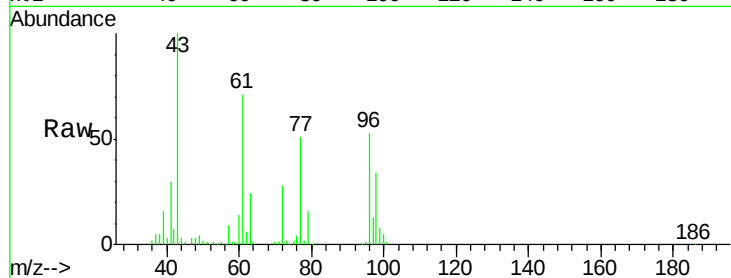
VN0128WBS01

Tot Ion: 43 Resp: 321016

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.384 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053542.D

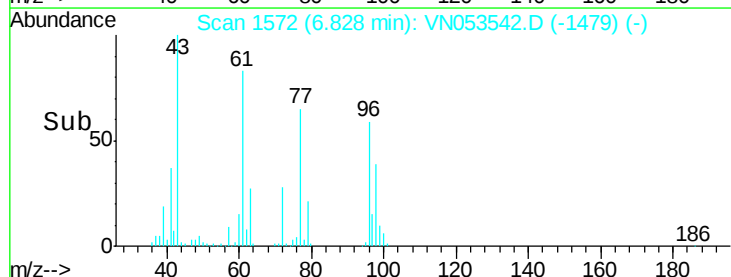
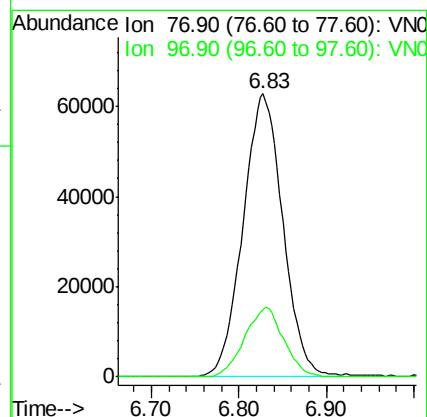
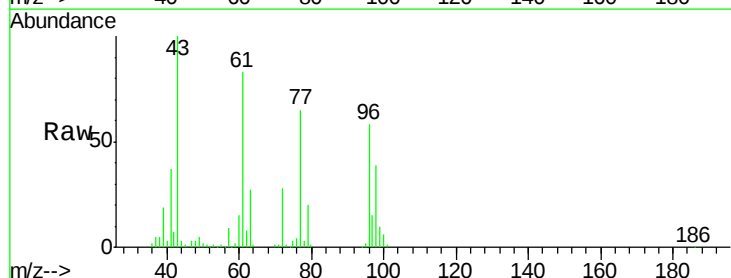
Acq: 28 Jan 2019 13:41

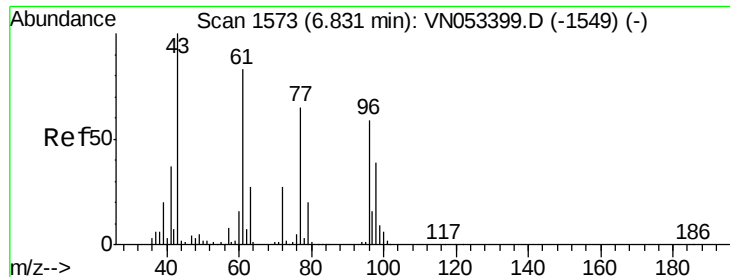
Tgt Ion: 77 Resp: 198495

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.719 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

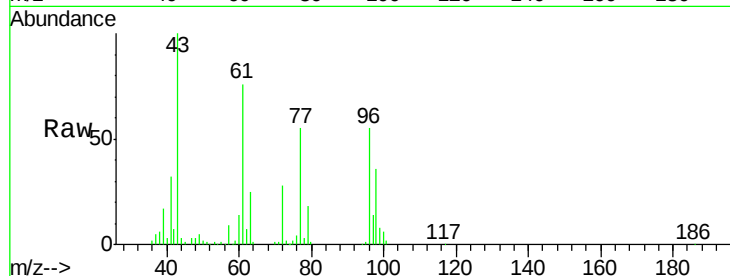
Tot Ion: 96 Resp: 170840

Ion Ratio Lower Upper

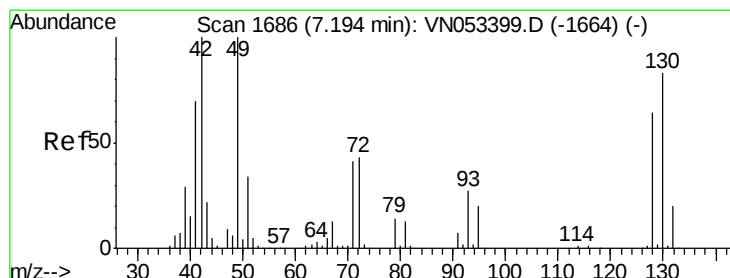
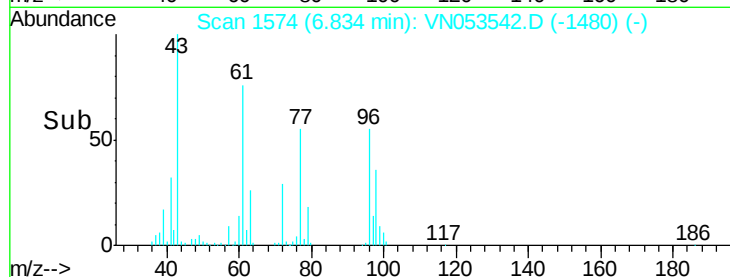
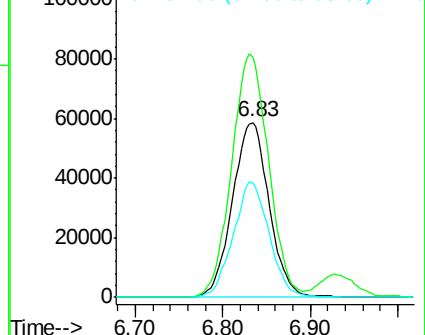
96 100

61 139.8 0.0 283.8

98 64.7 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.931 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

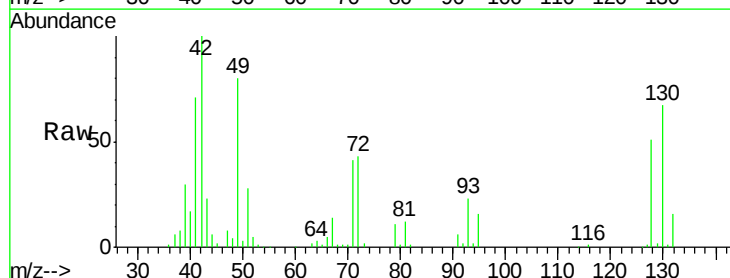
Tgt Ion: 49 Resp: 118926

Ion Ratio Lower Upper

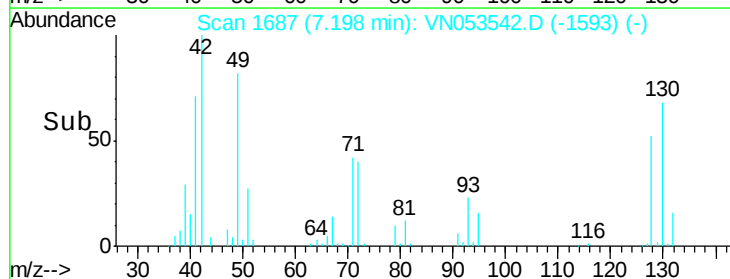
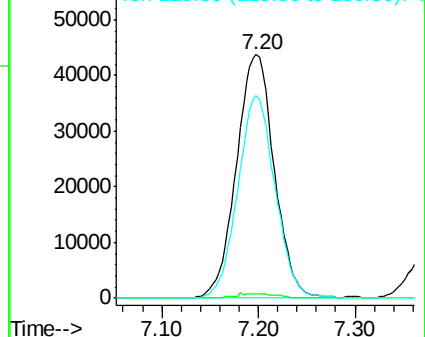
49 100

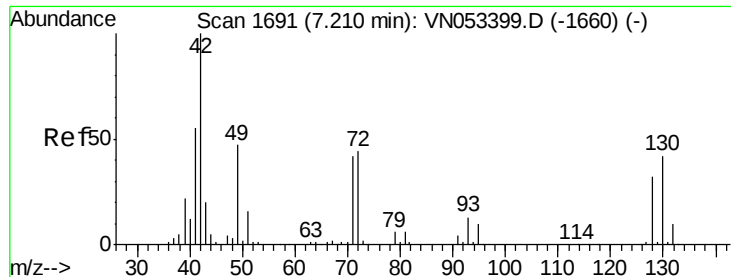
129 1.3 0.0 4.0

130 82.0 66.3 99.5



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

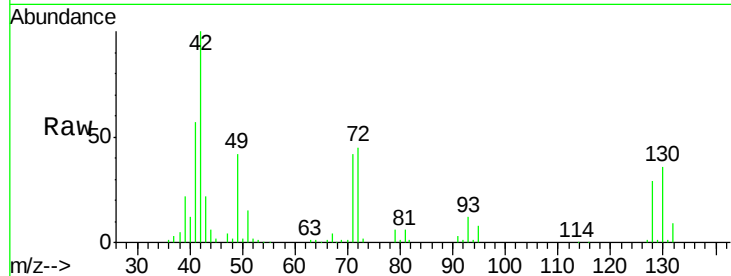




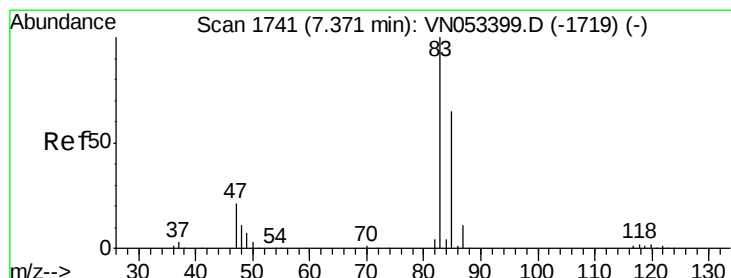
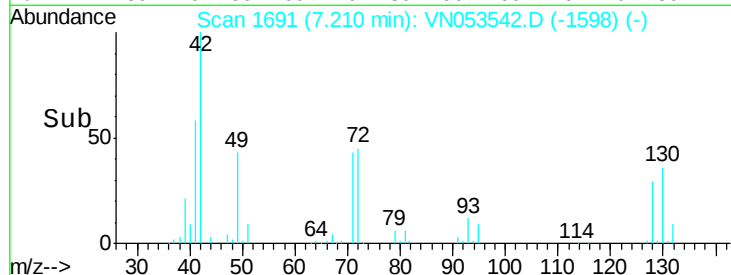
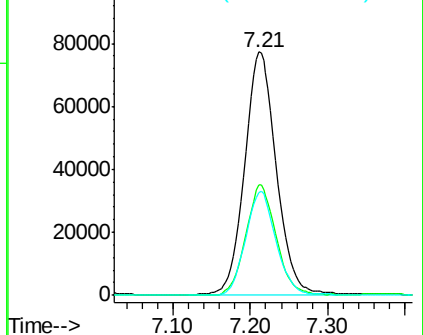
#29
Tetrahydrofuran
Concen: 132.069 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion: 42 Resp: 222034
Ion Ratio Lower Upper
42 100
72 43.5 35.2 52.8
71 40.8 33.0 49.4

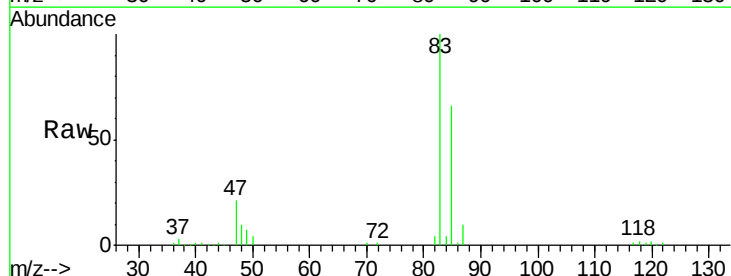


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

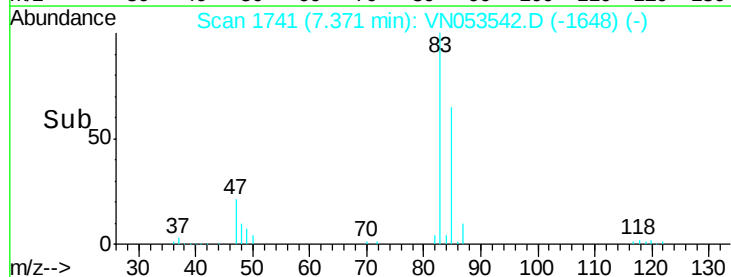
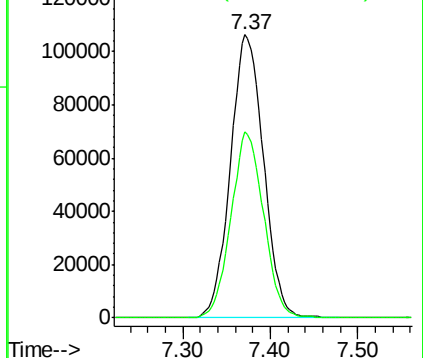


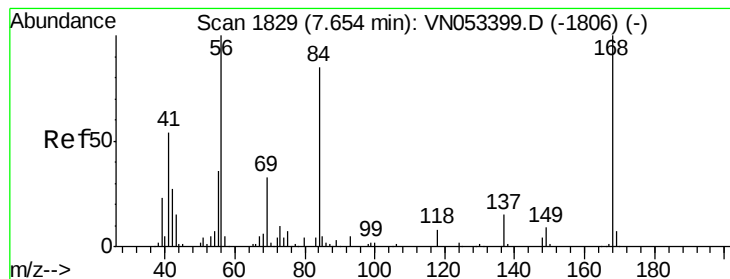
#30
Chloroform
Concen: 22.224 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 83 Resp: 279266
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.438 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

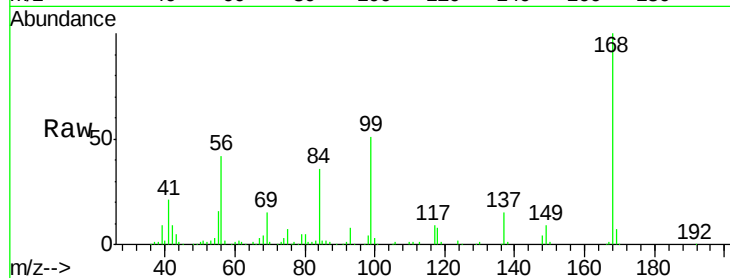
Tot Ion: 56 Resp: 245696

Ion Ratio Lower Upper

56 100

69 36.4 26.4 39.6

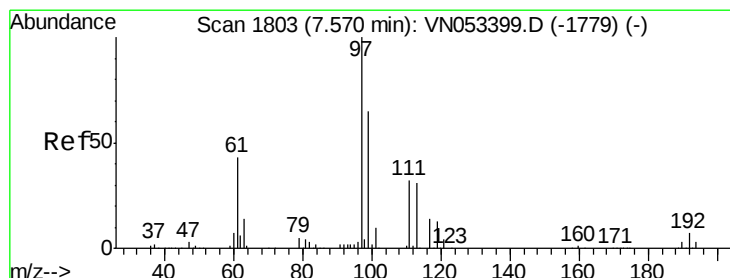
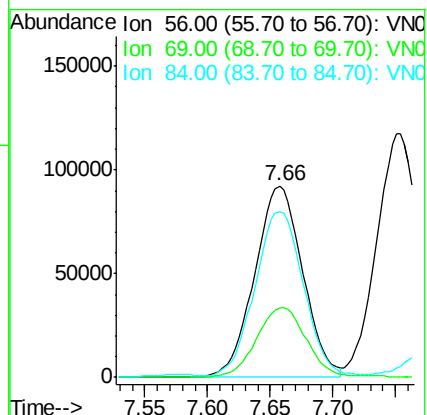
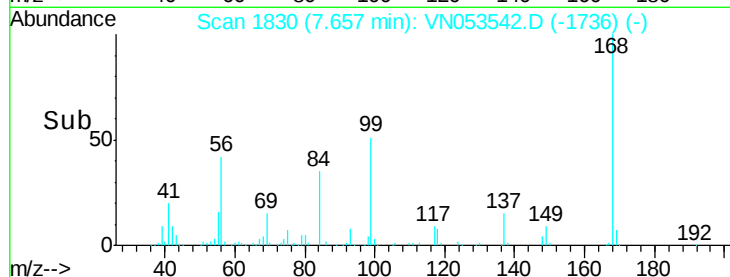
84 85.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.456 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

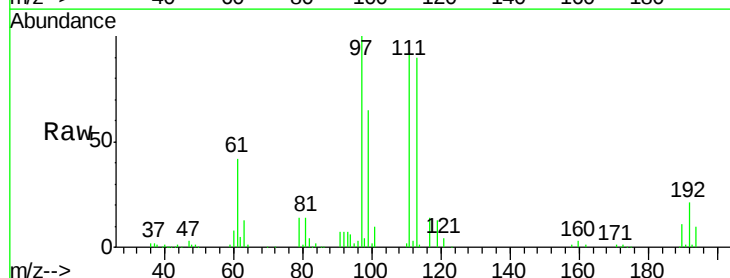
Tgt Ion: 97 Resp: 228711

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

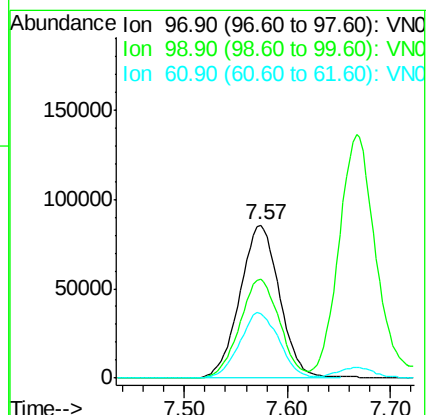
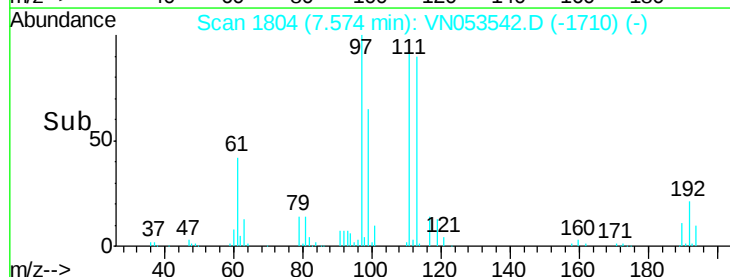
61 42.6 34.4 51.6

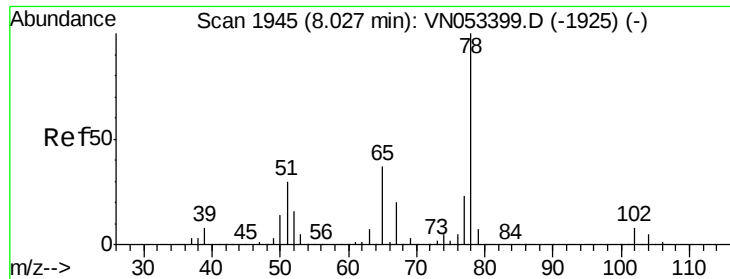


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 21.456 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

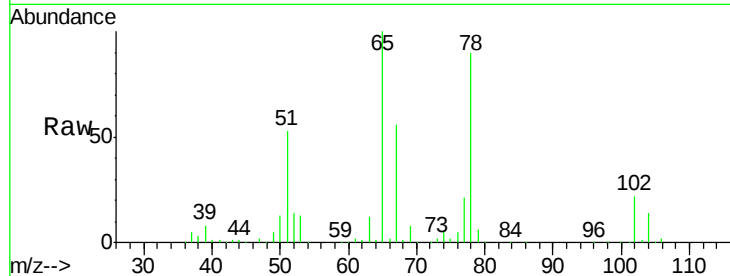
VN0128WBS01

Tot Ion: 65 Resp: 385874

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

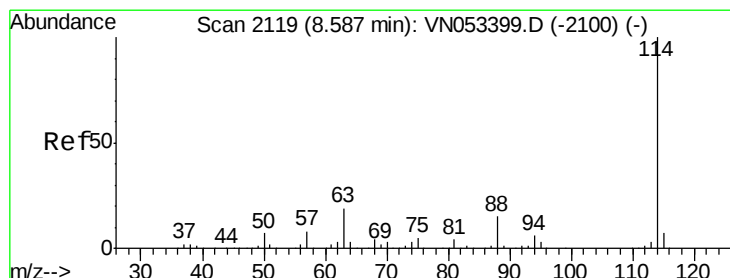
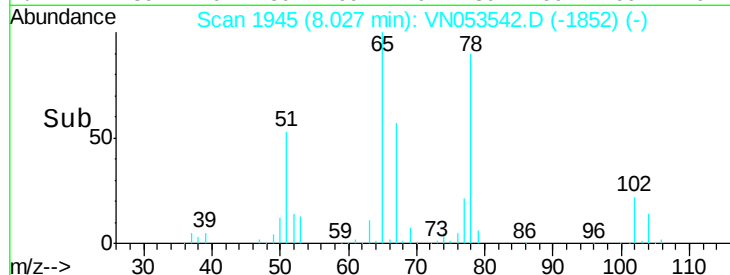
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

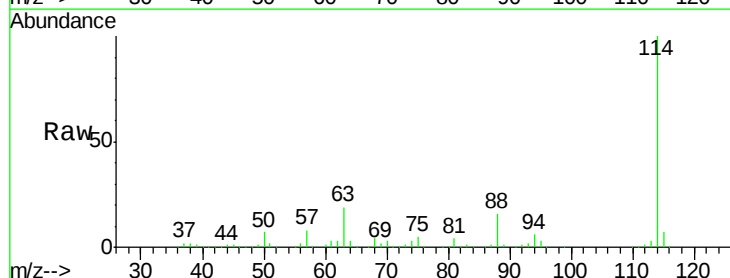
Tgt Ion: 114 Resp: 1140986

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

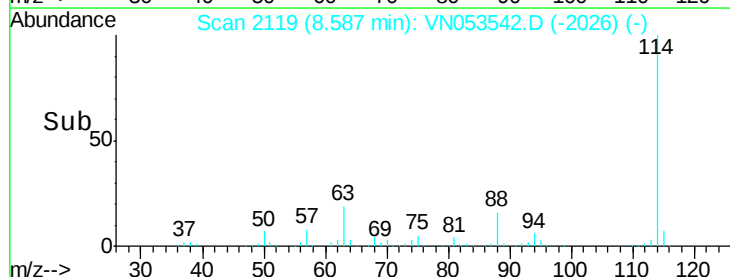
600000

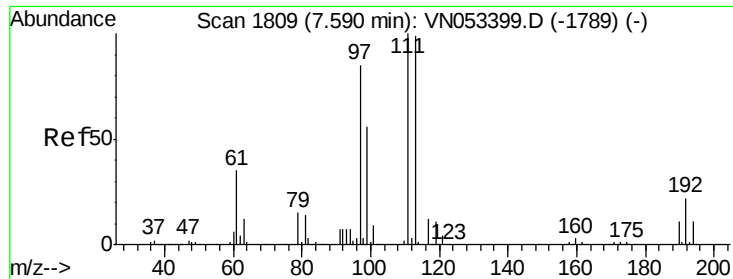
400000

200000

0

Time-->

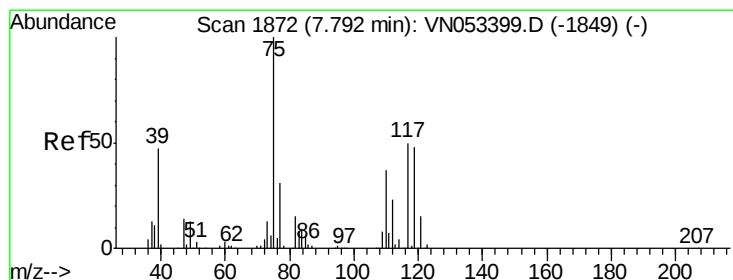
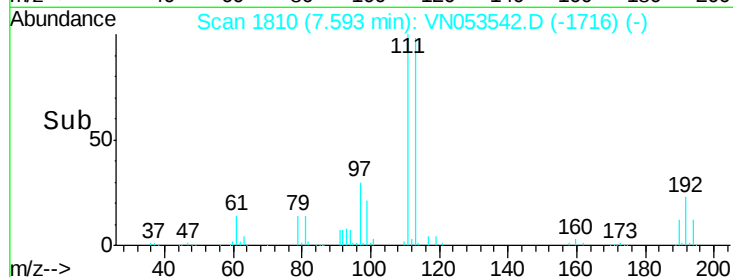
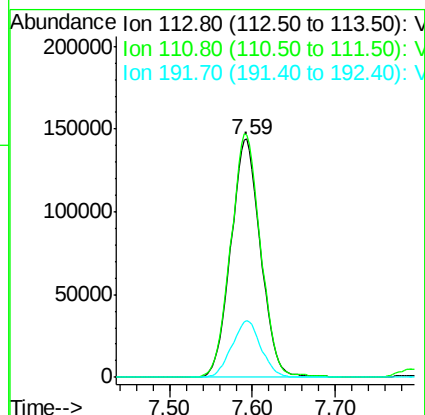
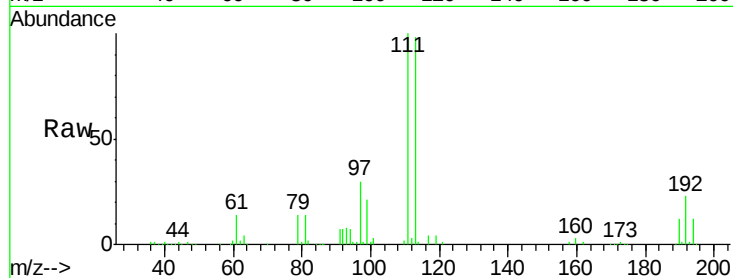




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

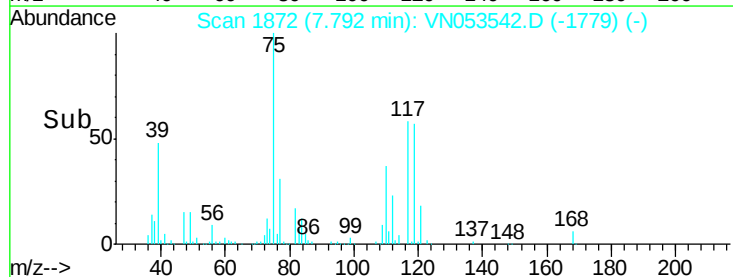
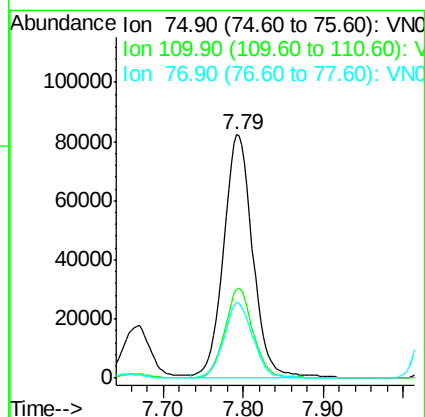
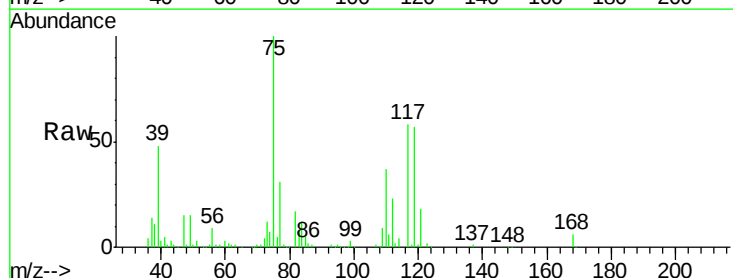
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

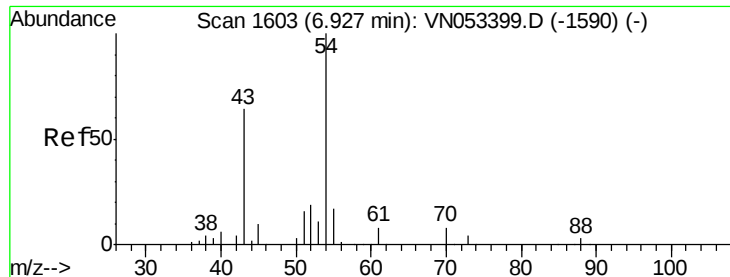
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	23.5	18.2	27.2



#36
1,1-Dichloropropene
Concen: 19.606 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.3
77	31.2	25.1	37.7

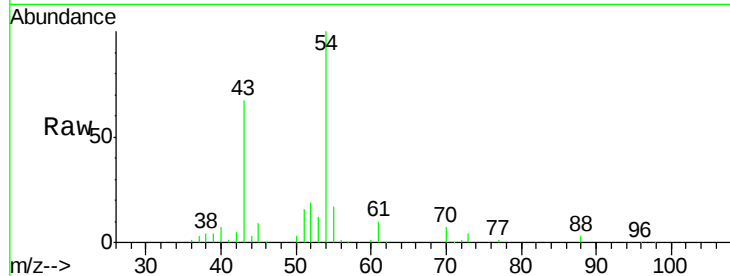




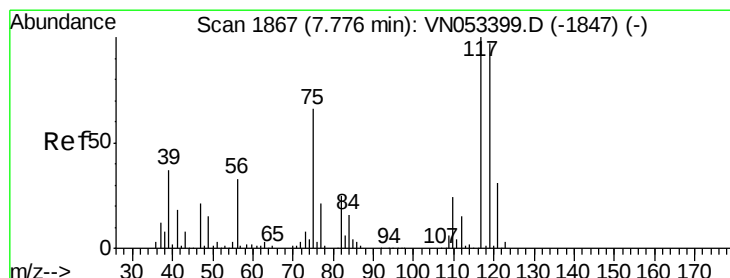
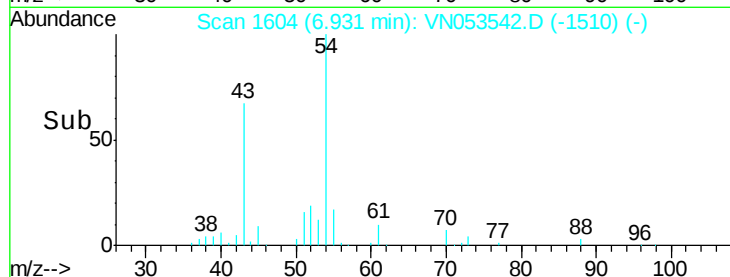
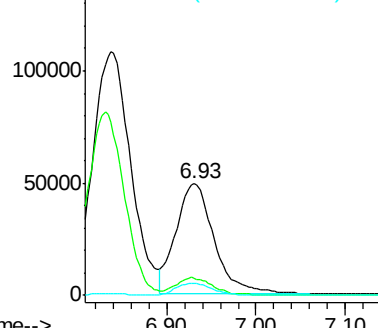
#37
Ethyl Acetate
Concen: 24.518 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 43 Resp: 146574
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.5 8.6 12.8

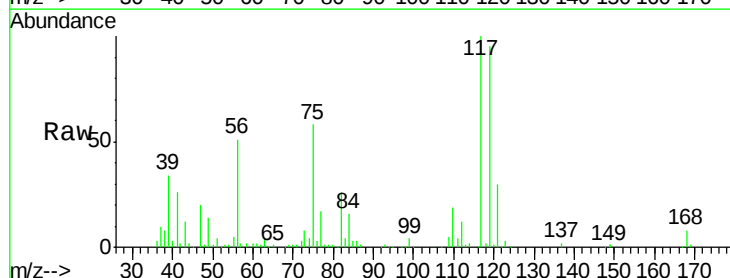


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

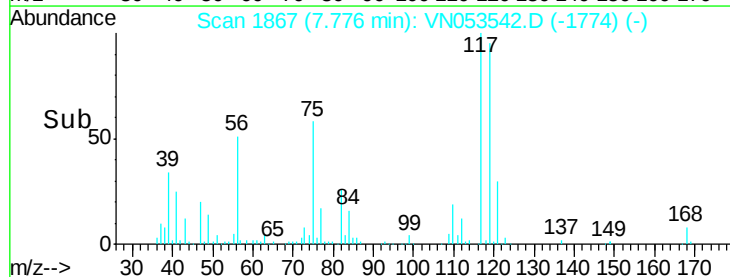
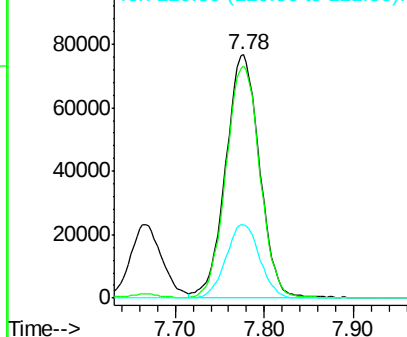


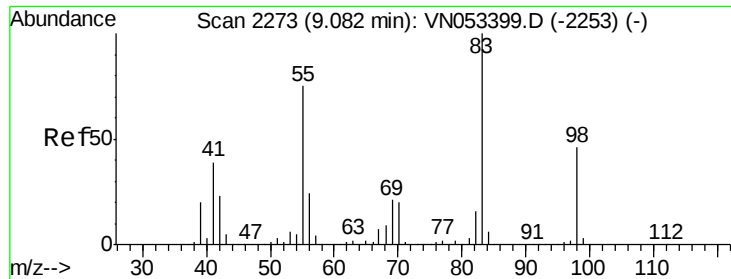
#38
Carbon Tetrachloride
Concen: 20.346 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 117 Resp: 200156
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 30.2 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

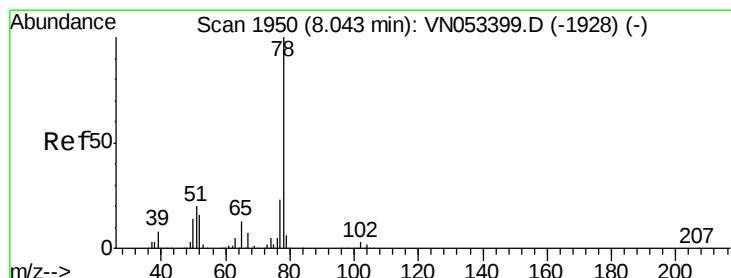
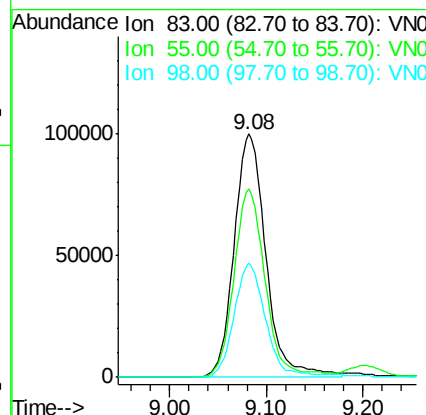
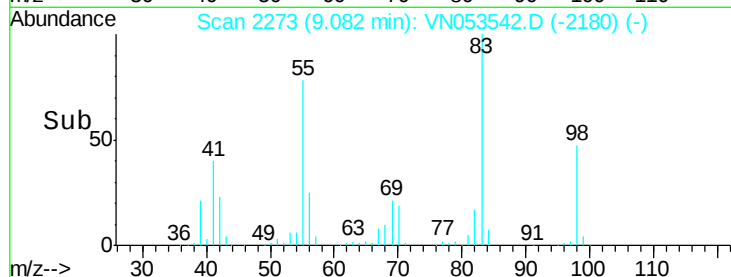
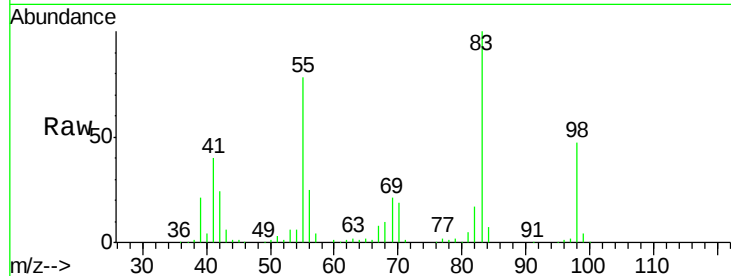




#39
Methvlcvclohexane
Concen: 17.785 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

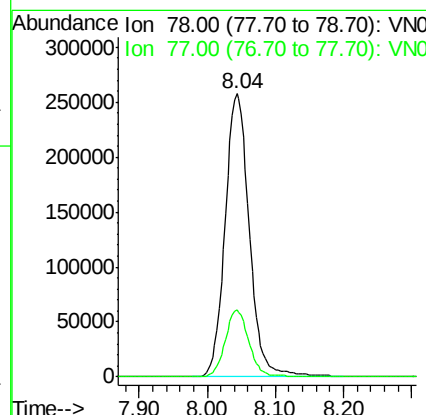
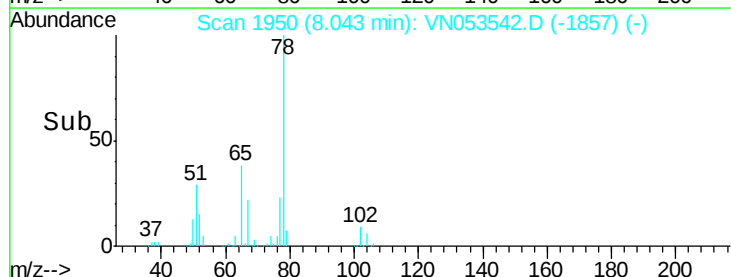
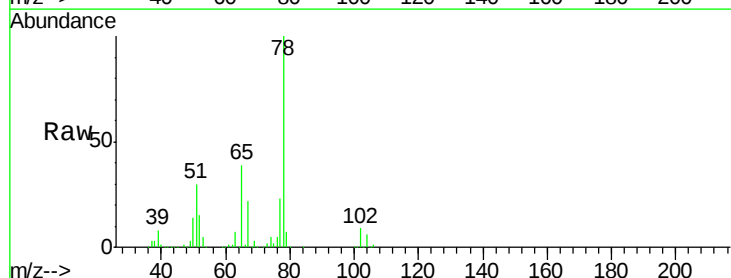
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

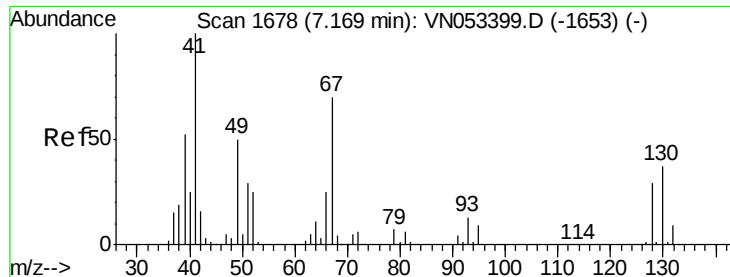
Tot Ion: 83 Resp: 228423
Ion Ratio Lower Upper
83 100
55 77.6 60.1 90.1
98 46.8 36.6 55.0



#40
Benzene
Concen: 20.170 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 78 Resp: 636902
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

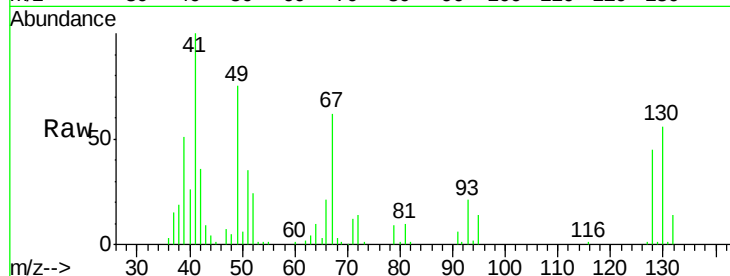




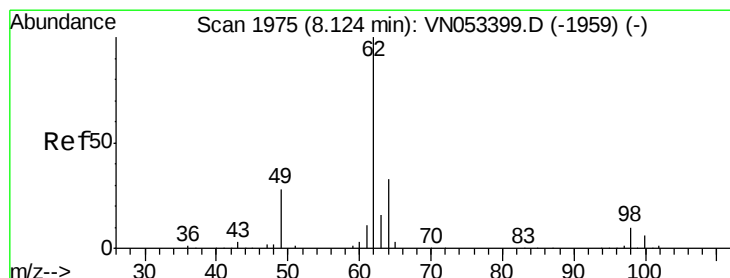
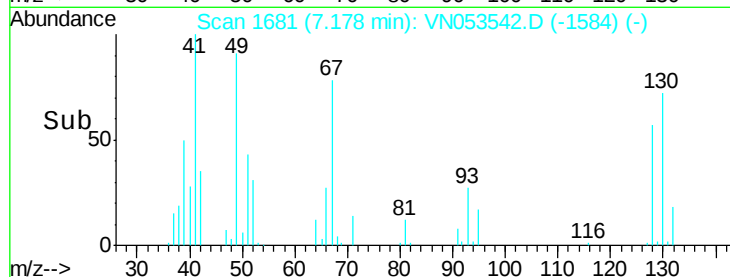
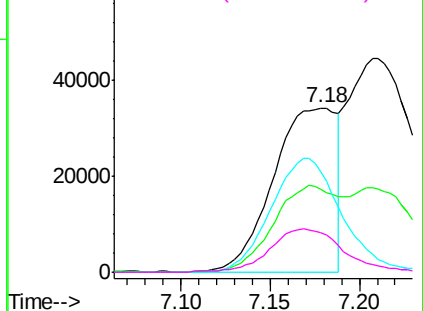
#41
Methacrylonitrile
Concen: 24.168 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion: 41 Resp: 84612
Ion Ratio Lower Upper
41 100
39 54.4 46.8 70.2
67 77.5 63.0 94.6
52 30.8 23.8 35.8

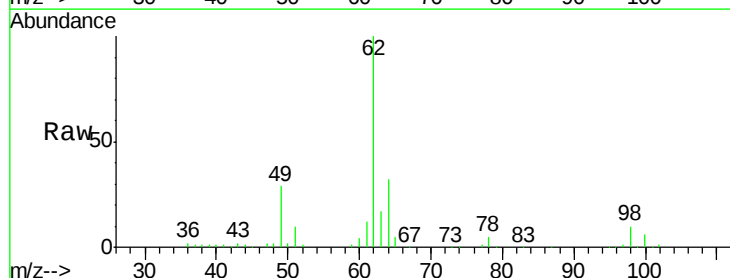


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

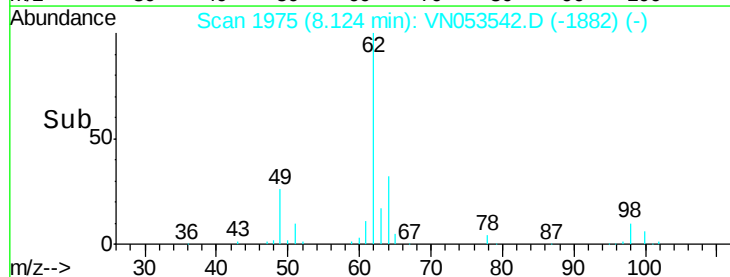
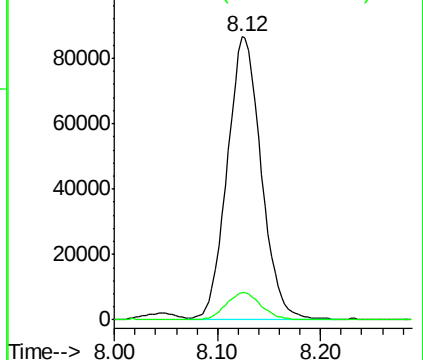


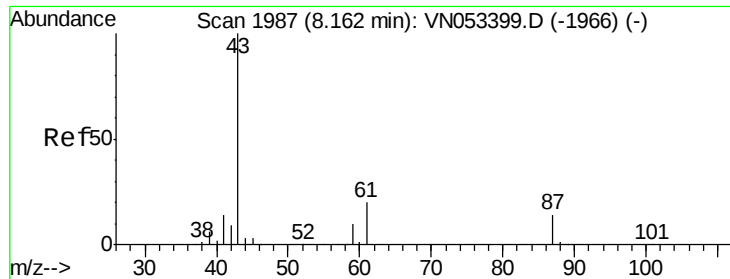
#42
1,2-Dichloroethane
Concen: 21.536 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 62 Resp: 198110
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 26.096 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

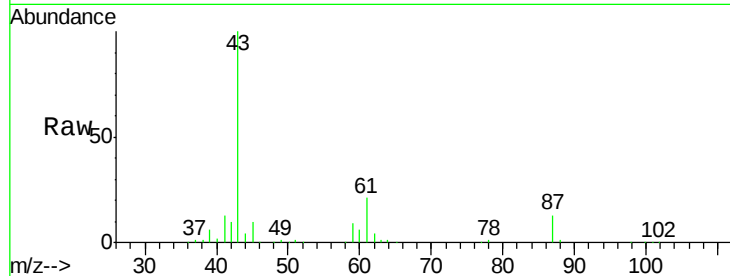
Tot Ion: 43 Resp: 280519

Ion Ratio Lower Upper

43 100

61 18.0 23.9 35.9#

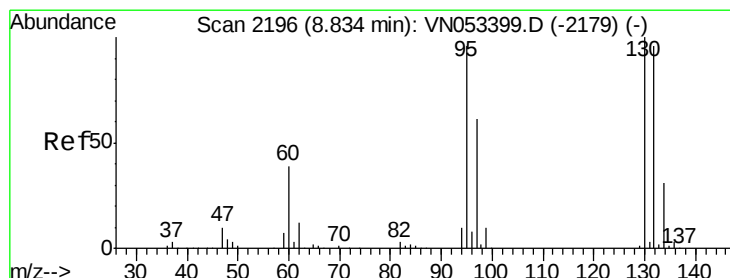
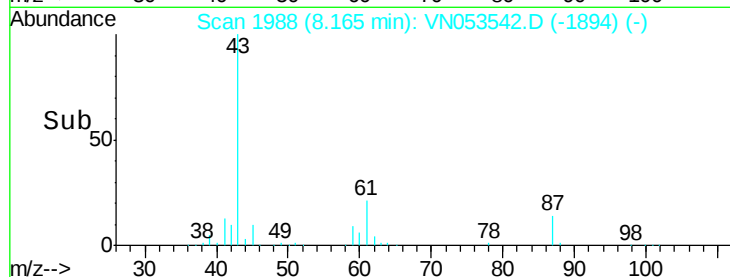
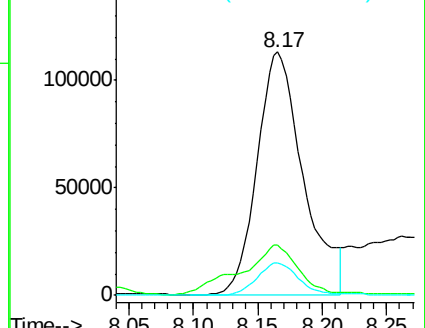
87 12.6 11.0 16.6



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) (-)



#44

Trichloroethene

Concen: 20.725 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053542.D

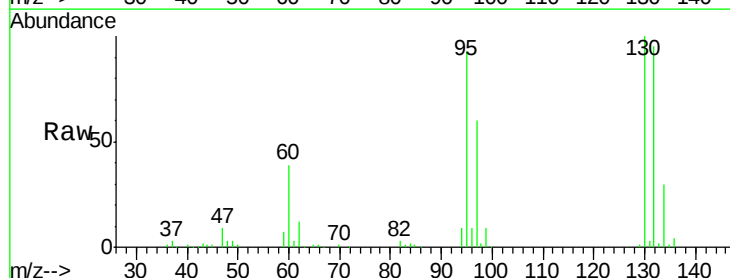
Acq: 28 Jan 2019 13:41

Tgt Ion:130 Resp: 181486

Ion Ratio Lower Upper

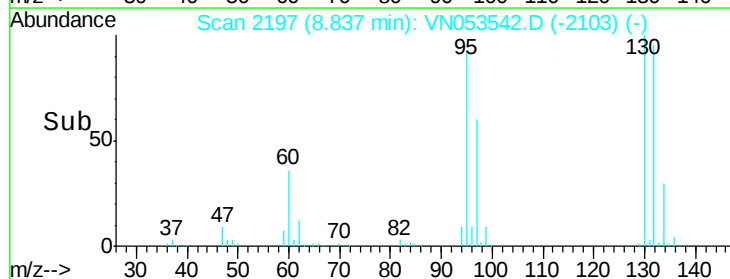
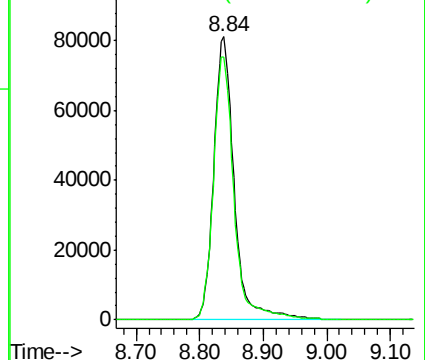
130 100

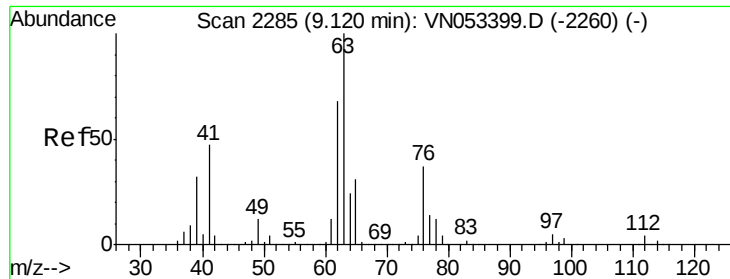
95 93.1 0.0 191.4



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

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





#45

1,2-Dichloropropane

Concen: 20.281 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

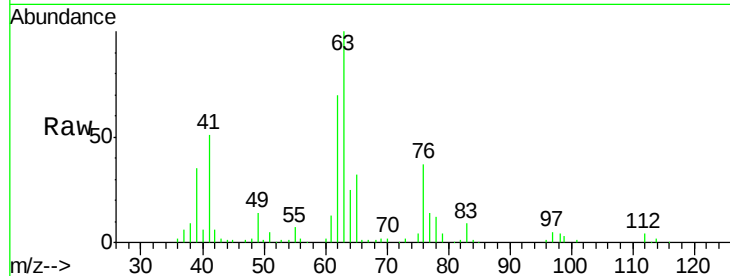
VN0128WBS01

Tot Ion: 63 Resp: 169622

Ion Ratio Lower Upper

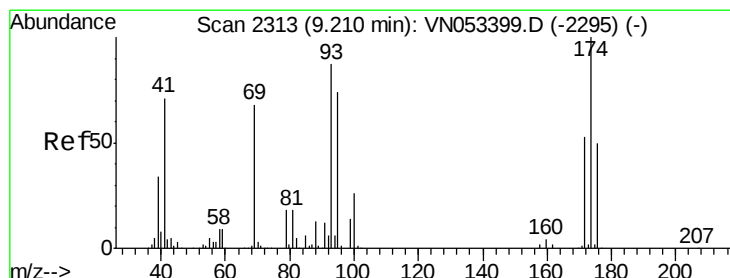
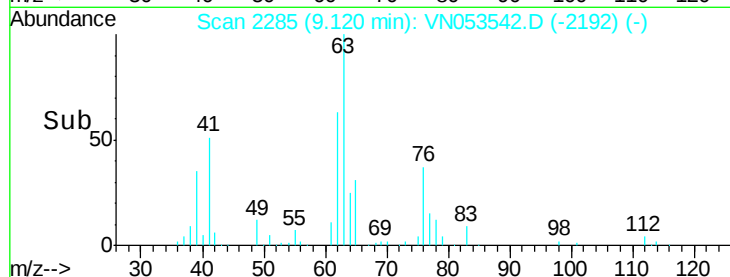
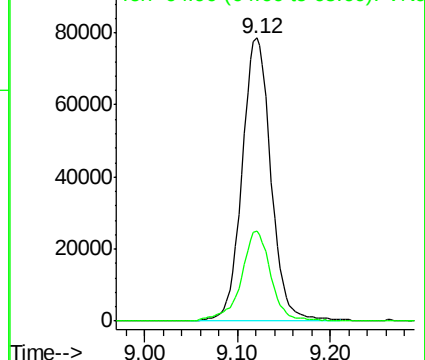
63 100

65 31.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.053 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

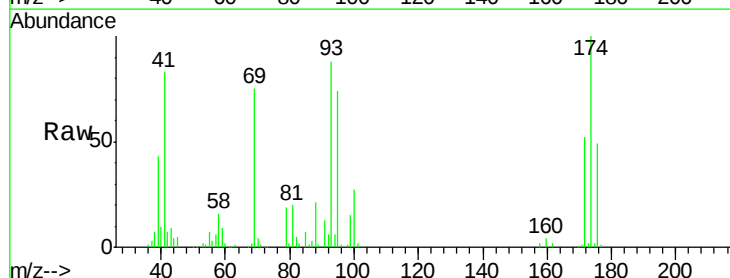
Tgt Ion: 93 Resp: 101163

Ion Ratio Lower Upper

93 100

95 83.2 67.3 100.9

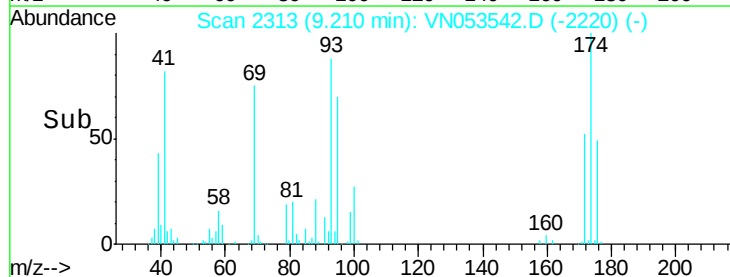
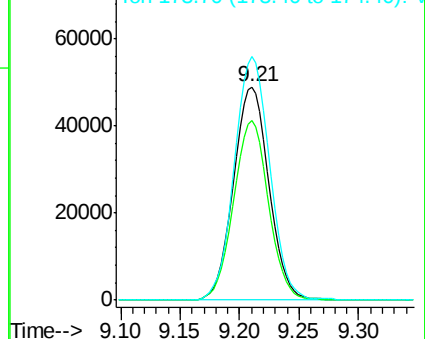
174 113.9 91.0 136.4

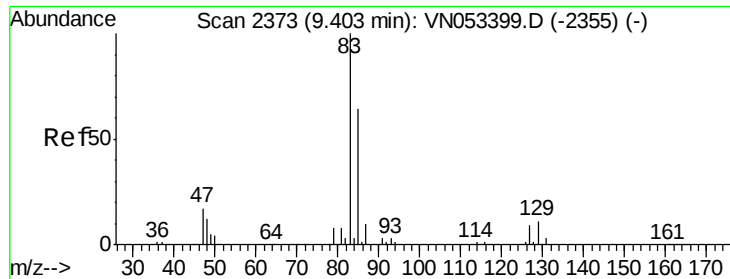


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.791 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

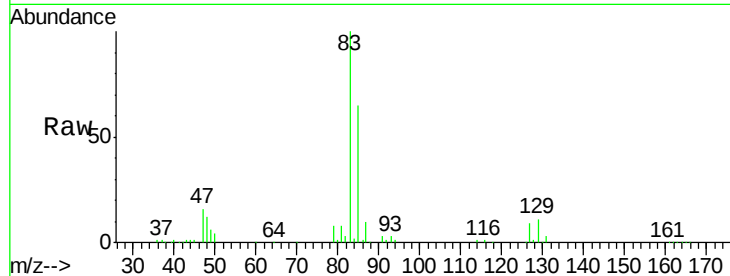
Tot Ion: 83 Resp: 210102

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.6

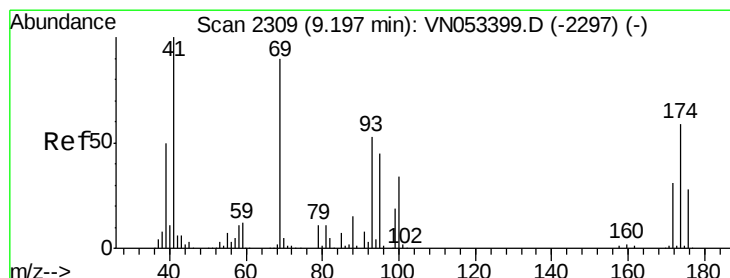
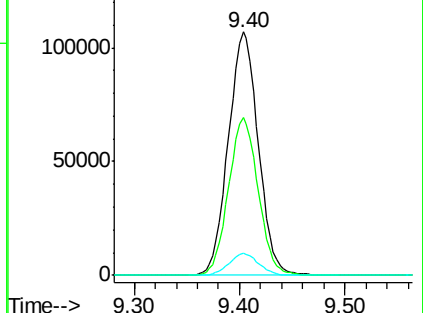
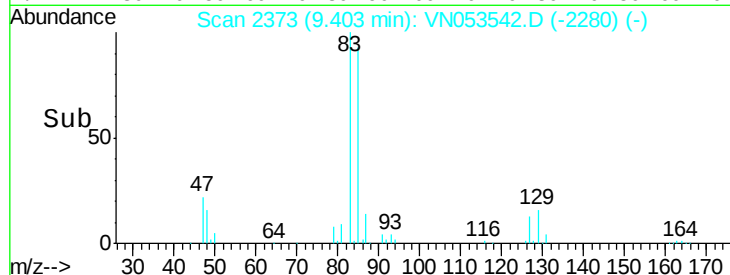
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.146 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

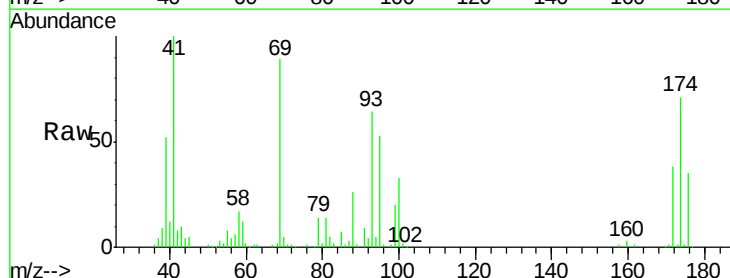
Tgt Ion: 41 Resp: 117366

Ion Ratio Lower Upper

41 100

69 98.2 73.8 110.6

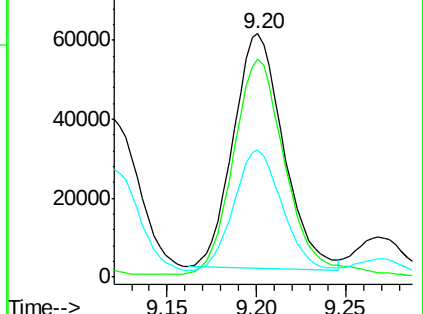
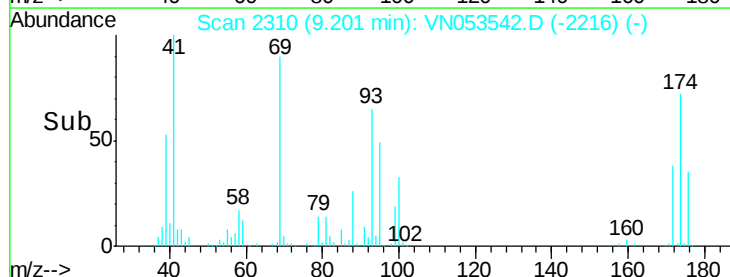
39 55.1 40.0 60.0

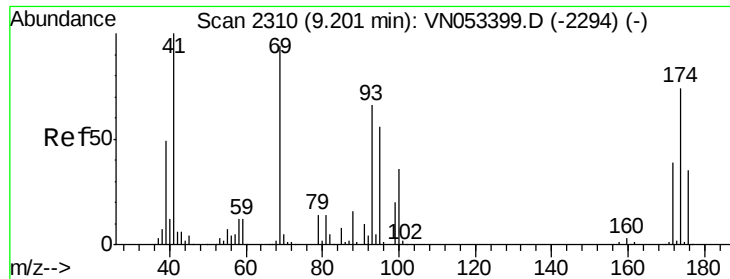


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 641.223 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

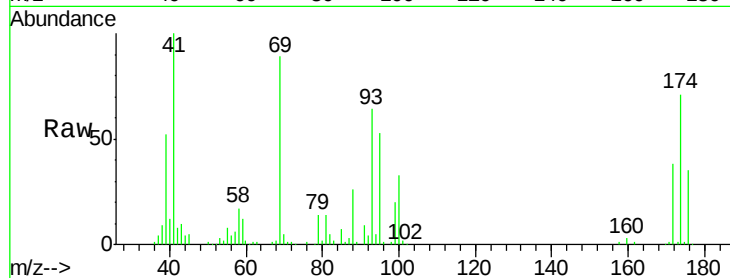
Tot Ion: 88 Resp: 34758

Ion Ratio Lower Upper

88 100

43 28.1 27.8 41.6

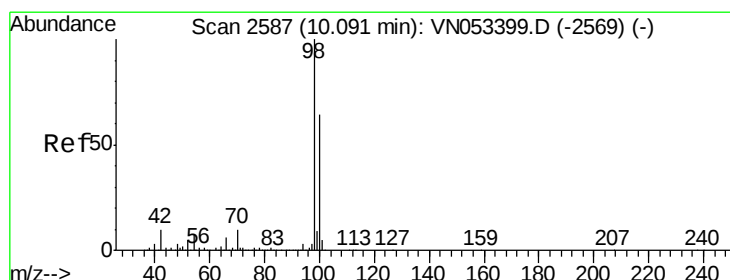
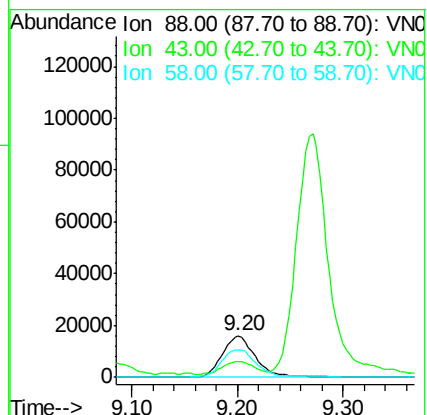
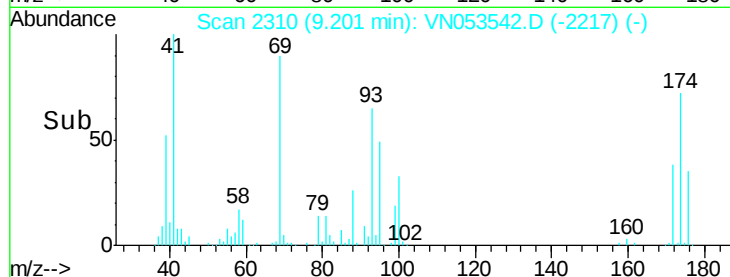
58 70.1 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 641.223 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053542.D

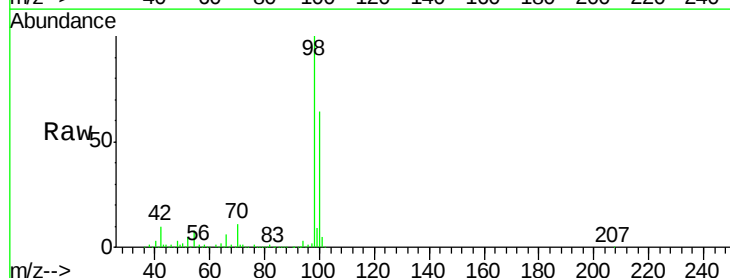
Acq: 28 Jan 2019 13:41

Tgt Ion: 98 Resp: 1318690

Ion Ratio Lower Upper

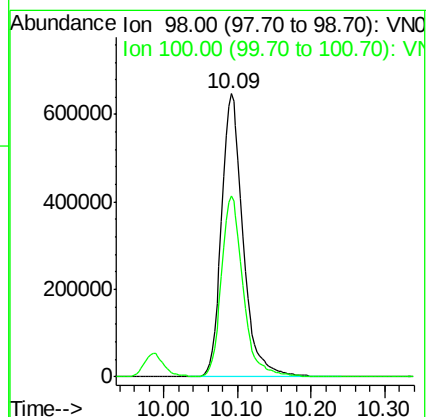
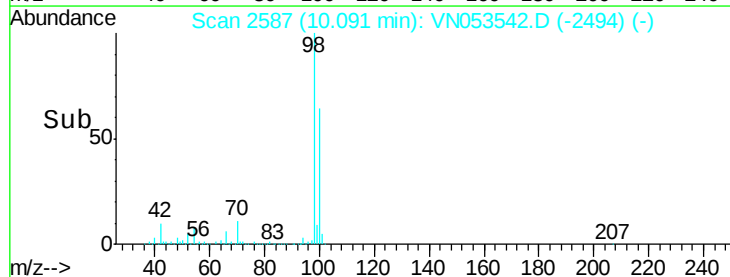
98 100

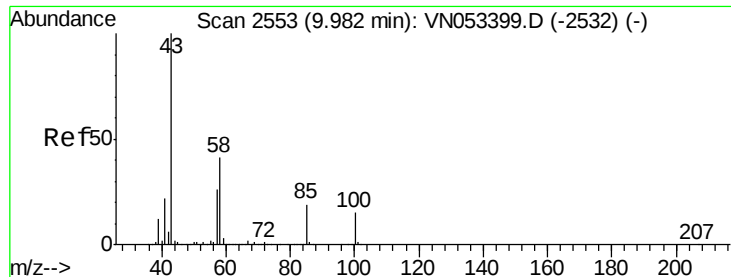
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 116.866 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

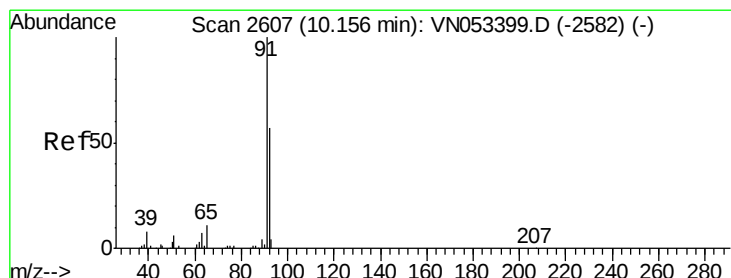
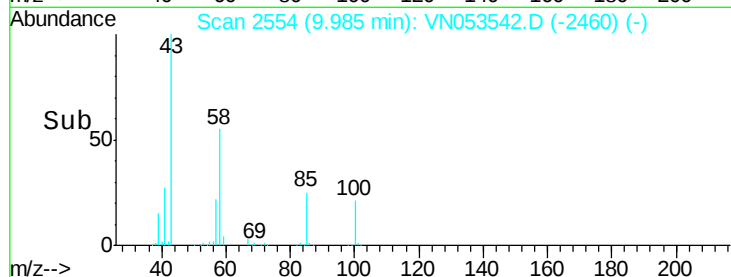
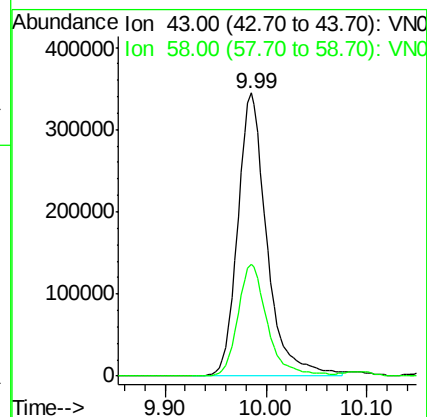
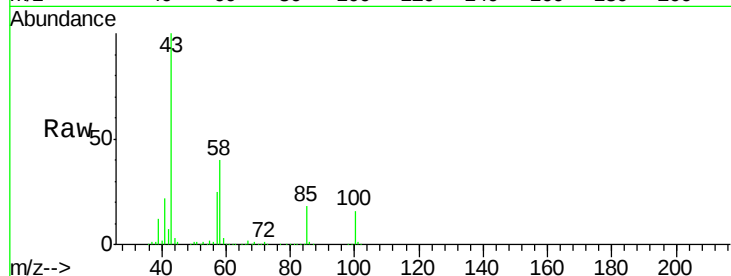
VN0128WBS01

Tot Ion: 43 Resp: 685792

Ion Ratio Lower Upper

43 100

58 40.1 32.8 49.2



#52

Toluene

Concen: 19.760 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053542.D

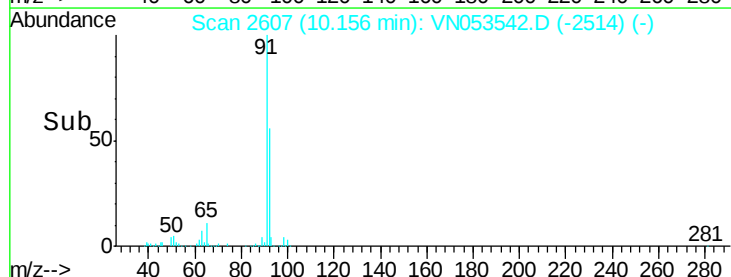
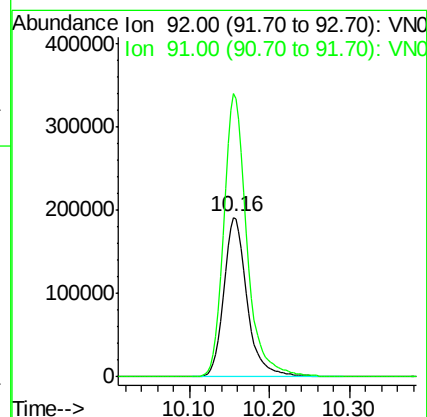
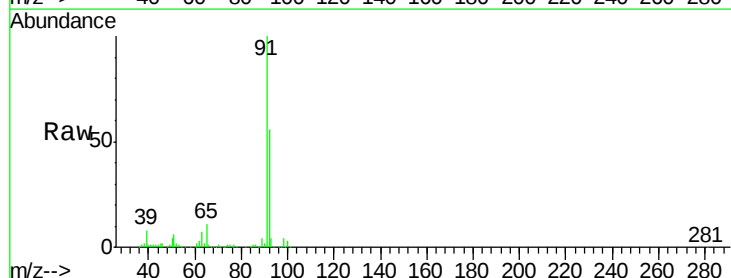
Acq: 28 Jan 2019 13:41

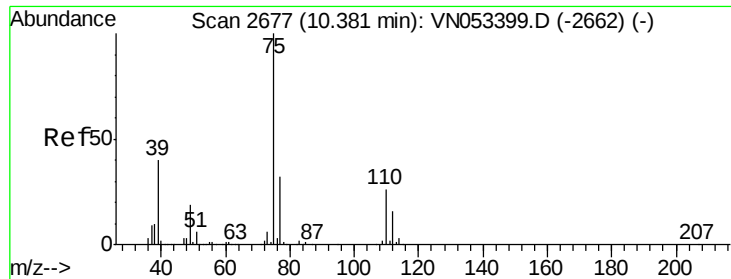
Tgt Ion: 92 Resp: 387363

Ion Ratio Lower Upper

92 100

91 176.0 139.9 209.9

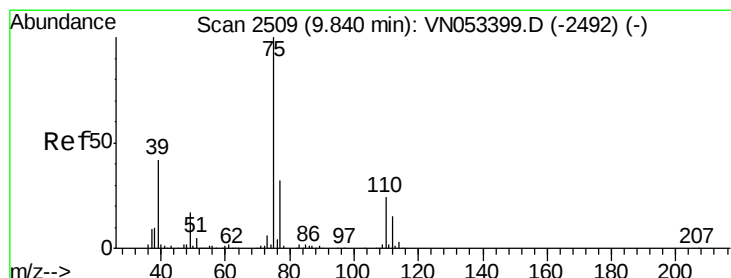
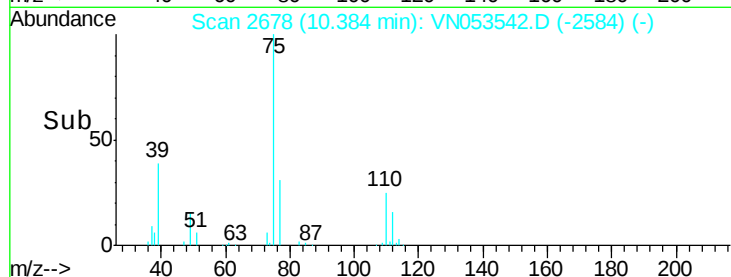
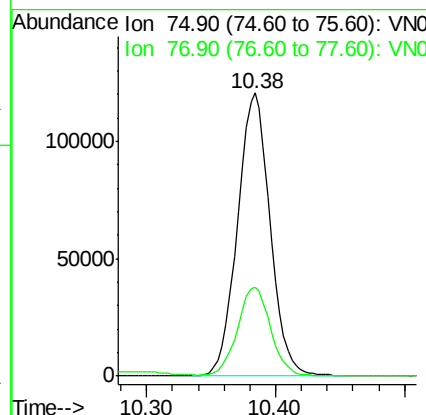
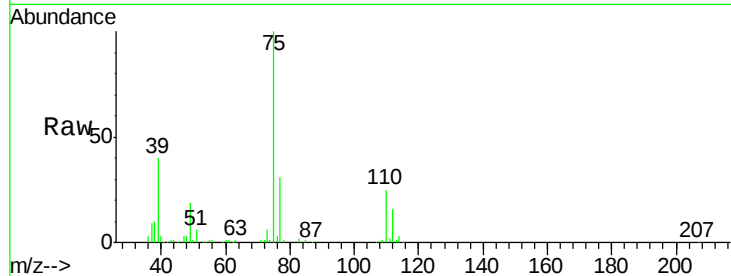




#53
t-1,3-Dichloropropene
Concen: 20.696 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

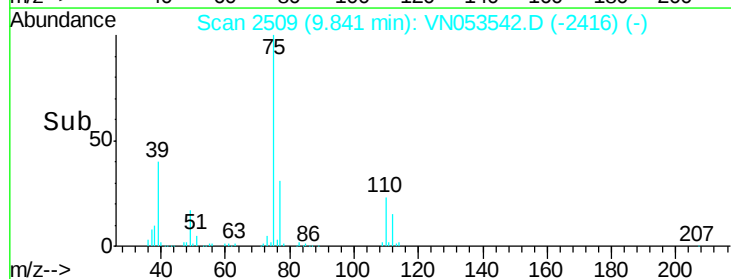
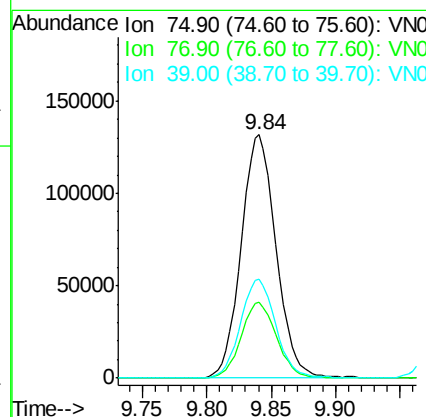
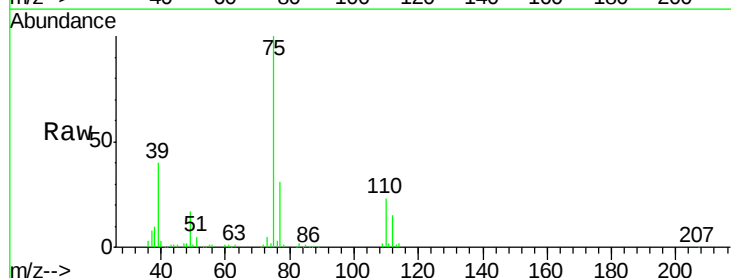
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

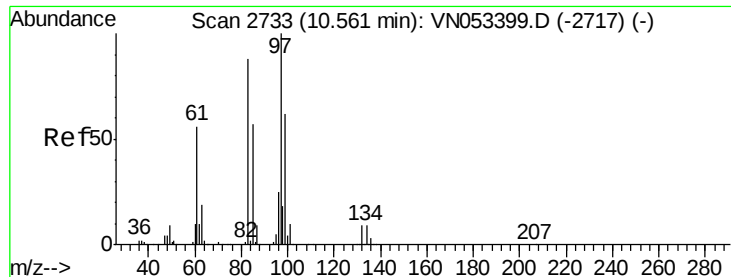
Tot Ion: 75 Resp: 211989
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 20.691 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 75 Resp: 248447
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6
39 40.3 33.4 50.0

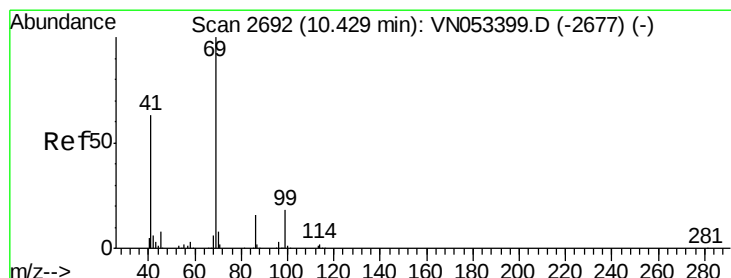
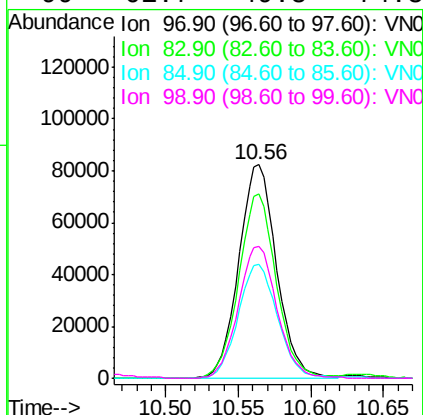
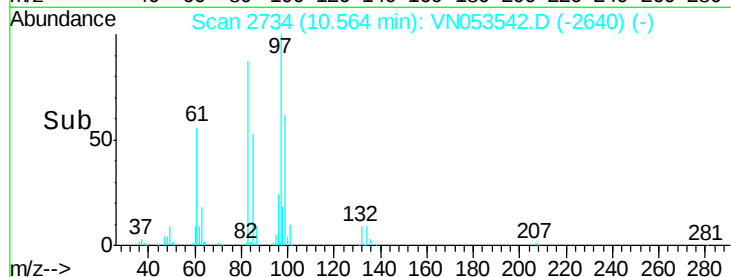
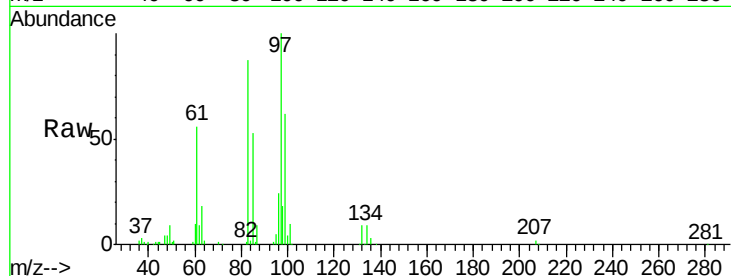




#55
 1,1,2-Trichloroethane
 Concen: 22.116 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

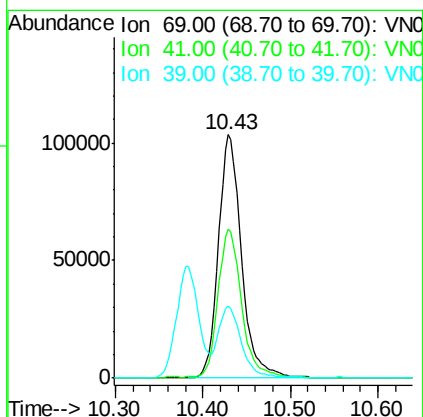
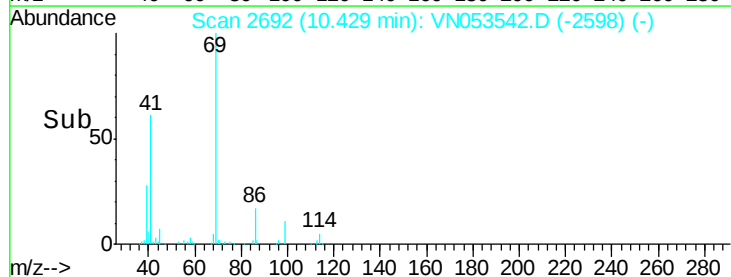
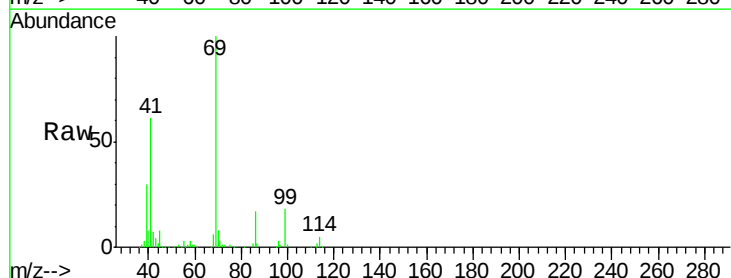
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

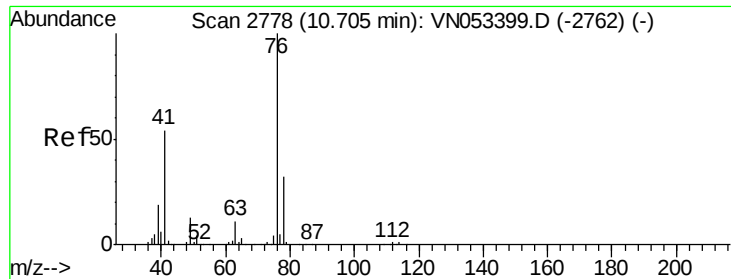
Tot Ion: 97 Resp: 149471
 Ion Ratio Lower Upper
 97 100
 83 86.6 70.1 105.1
 85 53.4 45.4 68.0
 99 61.7 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 21.074 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 69 Resp: 190223
 Ion Ratio Lower Upper
 69 100
 41 61.2 49.4 74.0
 39 29.4 23.3 34.9





#57

1,3-Dichloropropane

Concen: 21.337 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

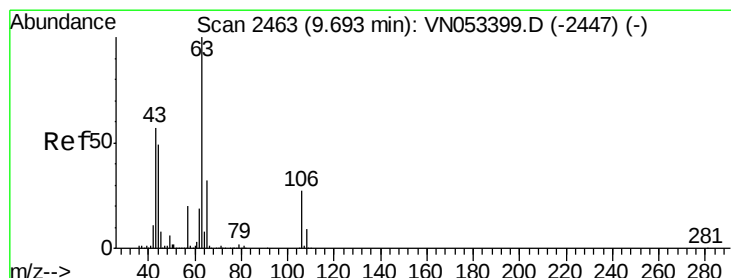
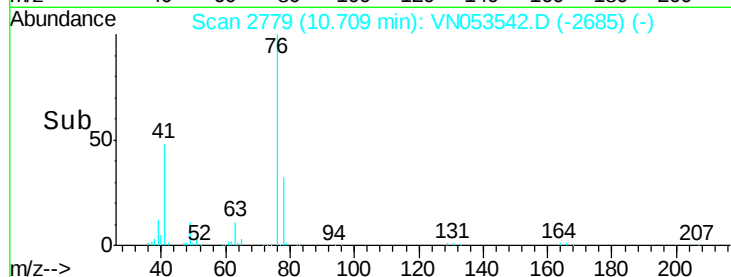
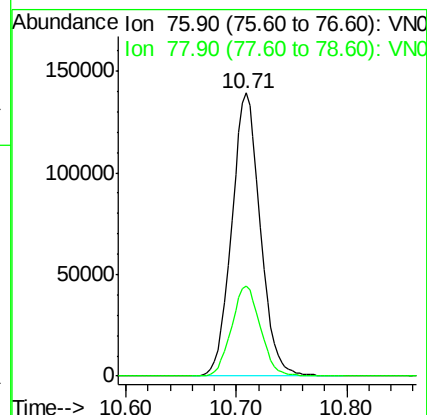
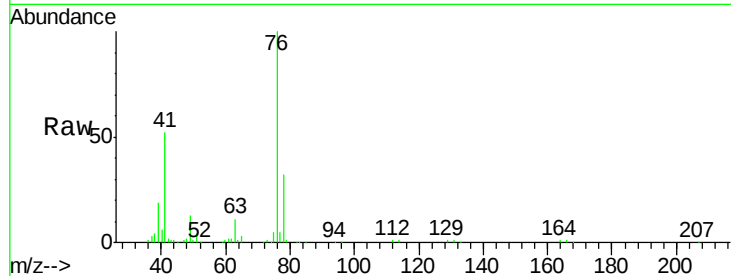
VN0128WBS01

Tot Ion: 76 Resp: 249462

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 110.472 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053542.D

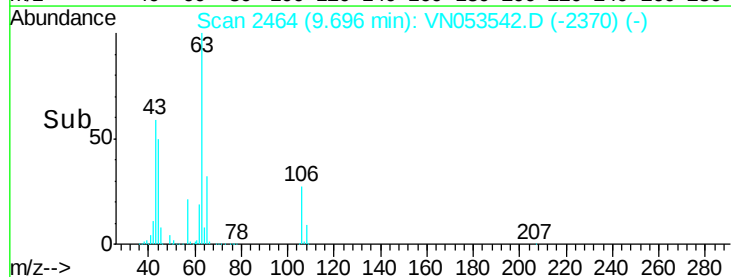
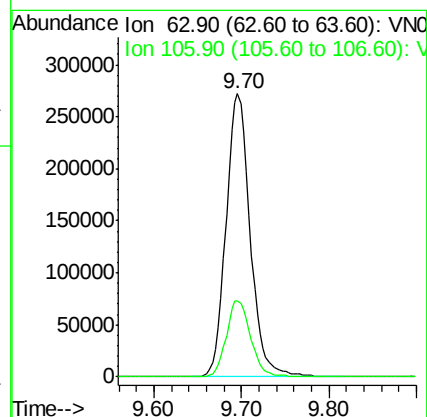
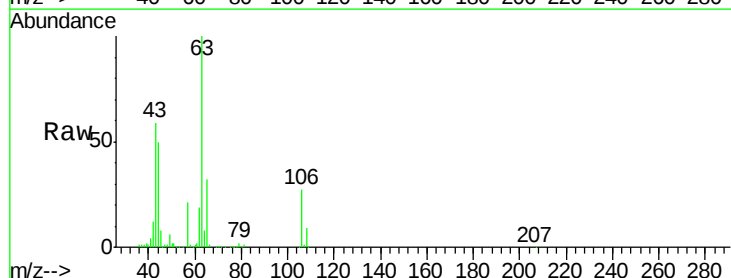
Acq: 28 Jan 2019 13:41

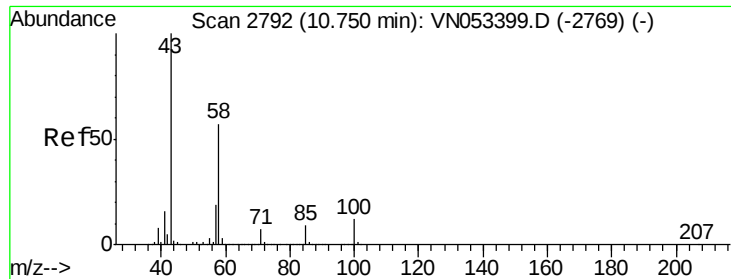
Tgt Ion: 63 Resp: 522335

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3

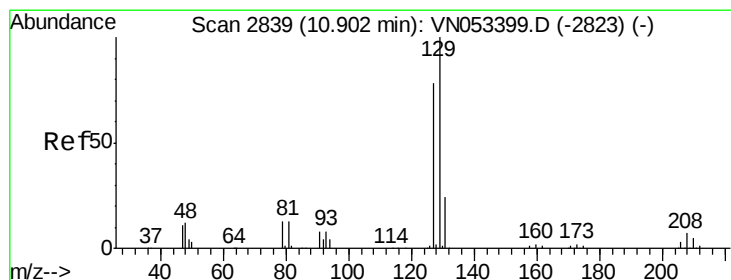
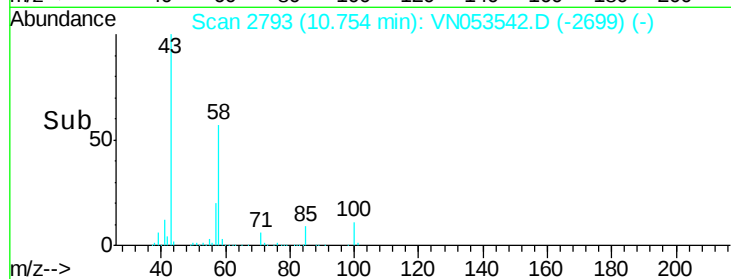
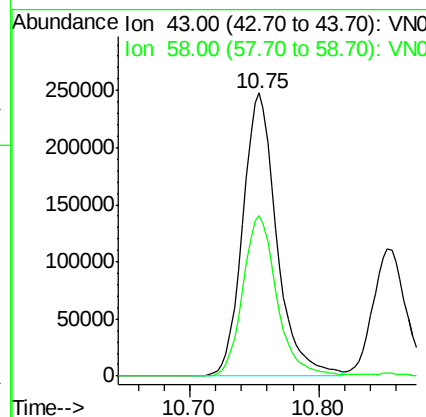
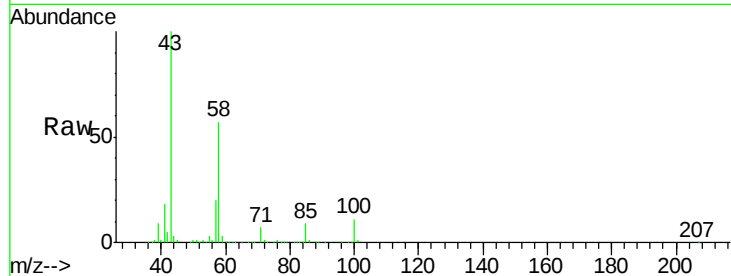




#59
2-Hexanone
Concen: 109.459 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

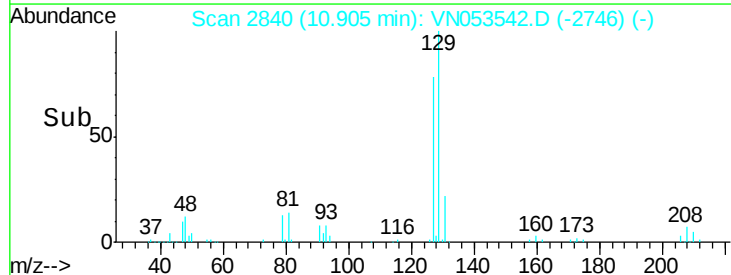
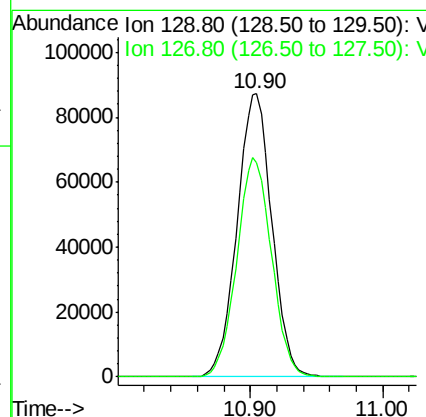
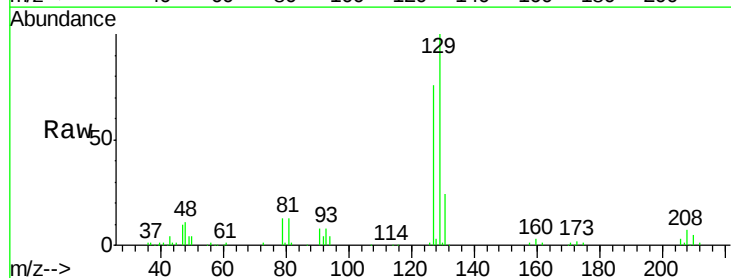
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

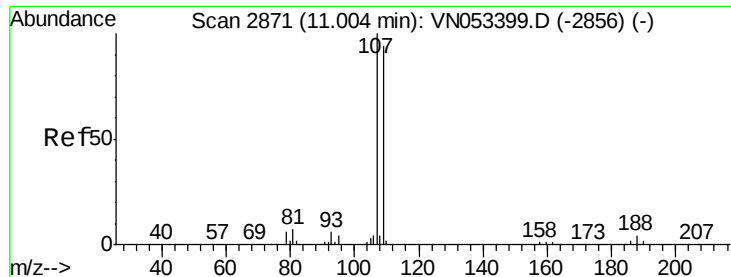
Tot Ion: 43 Resp: 450908
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8



#60
Dibromochloromethane
Concen: 20.698 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 129 Resp: 158667
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

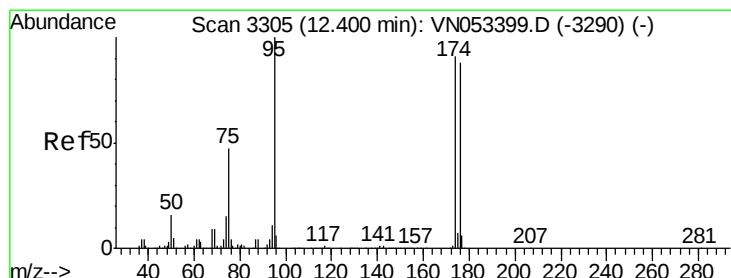
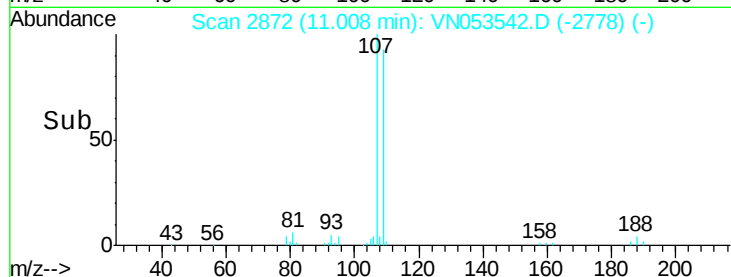
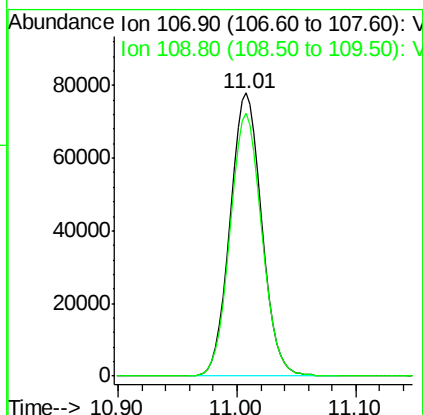
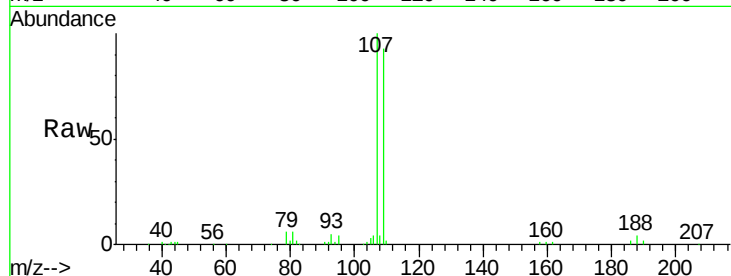




#61
1,2-Dibromoethane
Concen: 21.011 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

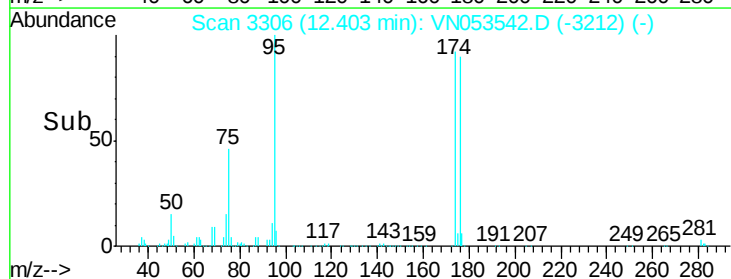
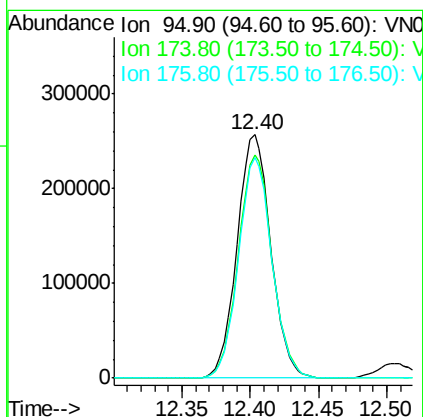
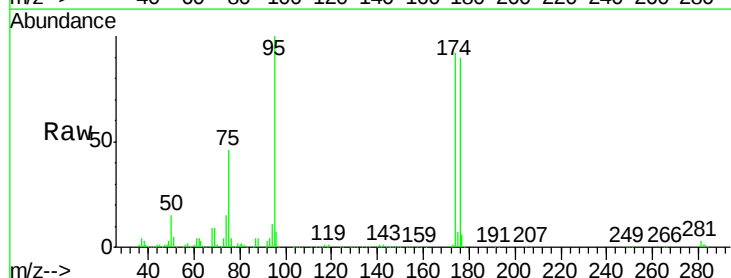
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

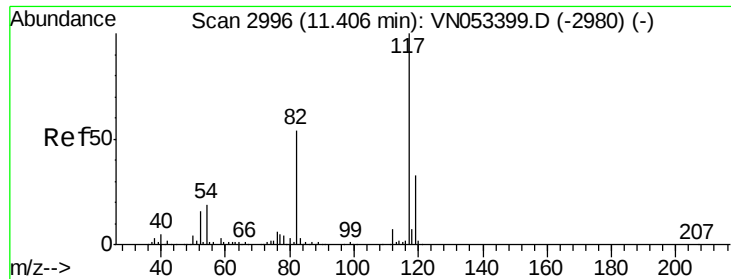
Tot Ion:107 Resp: 143619
Ion Ratio Lower Upper
107 100
109 93.4 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 21.011 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 95 Resp: 441683
Ion Ratio Lower Upper
95 100
174 91.7 0.0 183.2
176 89.5 0.0 177.4

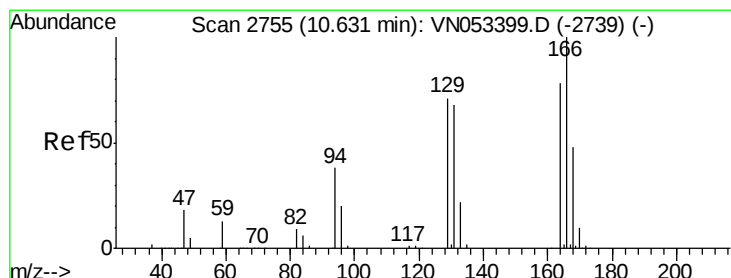
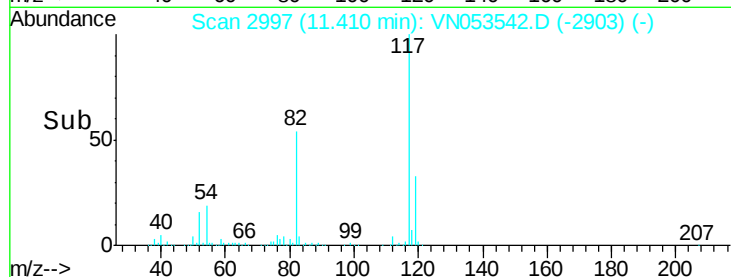
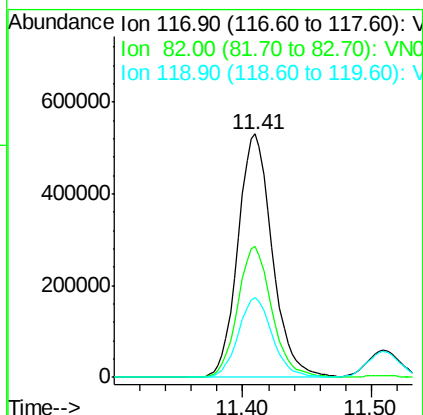
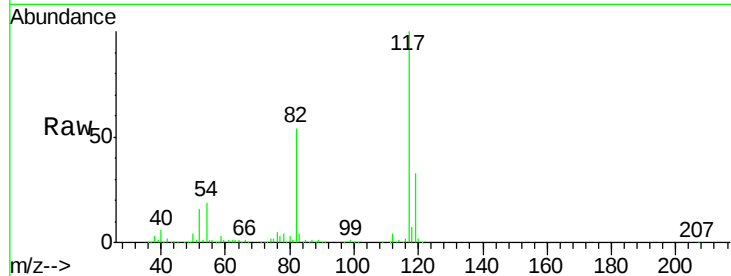




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

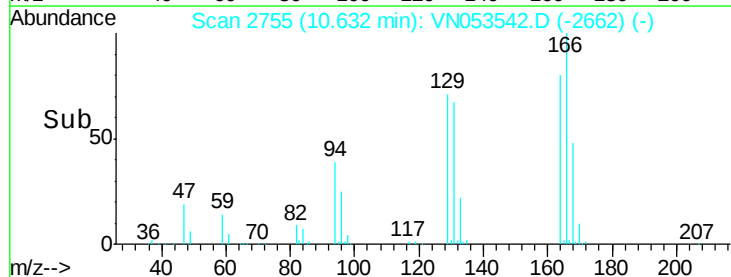
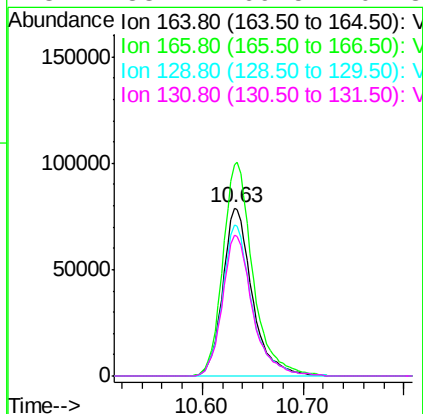
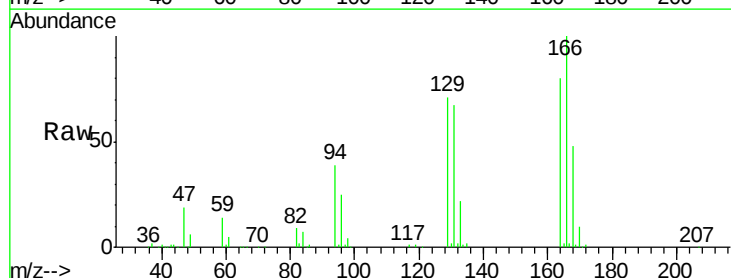
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

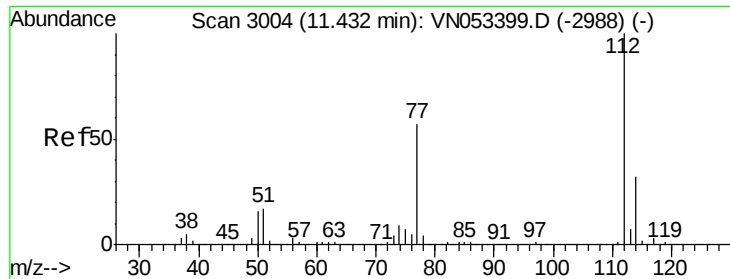
Tot Ion:117 Resp: 981984
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 17.383 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion:164 Resp: 160864
Ion Ratio Lower Upper
164 100
166 125.5 102.2 153.4
129 89.7 72.6 109.0
131 83.7 69.5 104.3

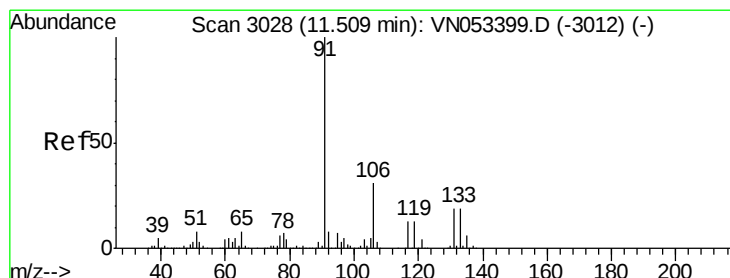
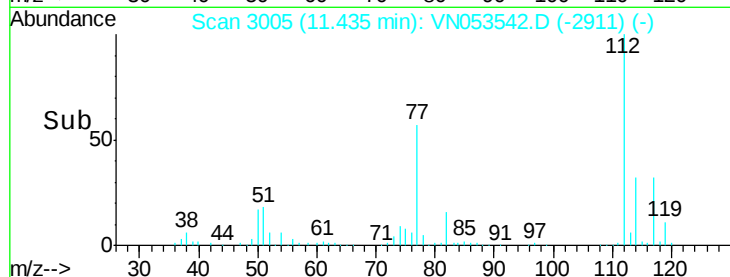
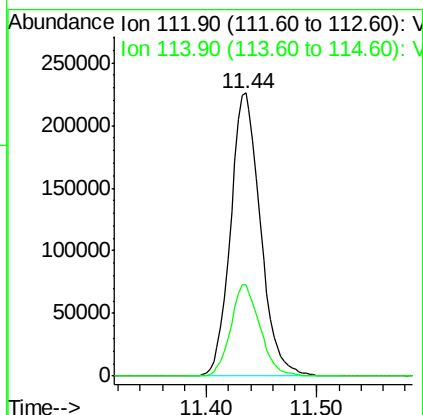
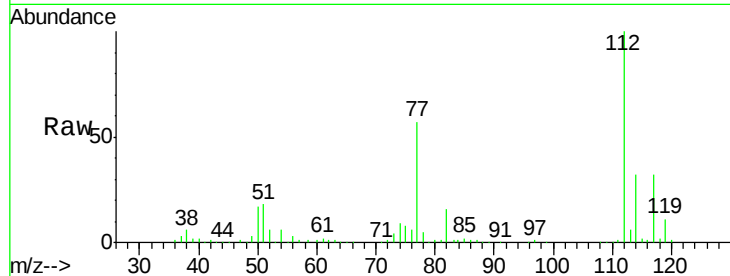




#65
Chlorobenzene
Concen: 20.363 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

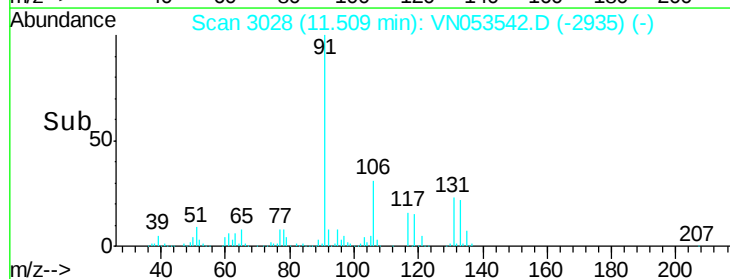
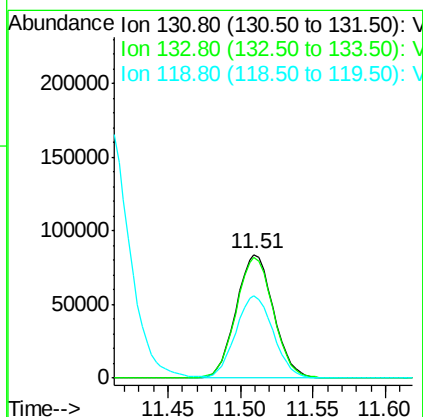
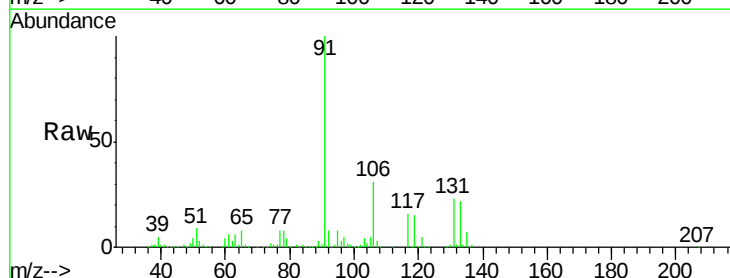
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

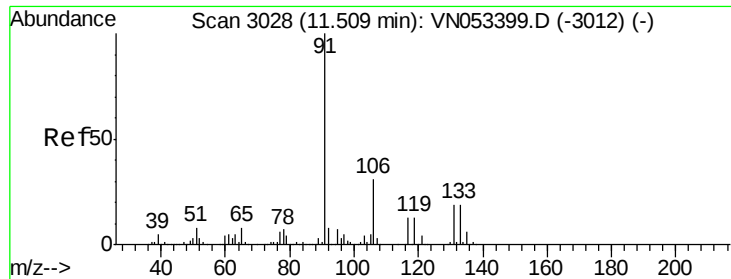
Tot Ion:112 Resp: 423250
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.880 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion:131 Resp: 150980
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 67.0 33.5 100.5

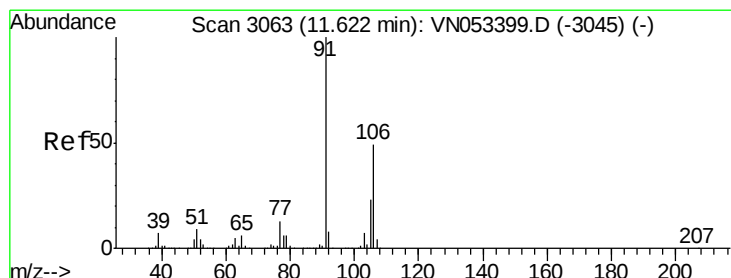
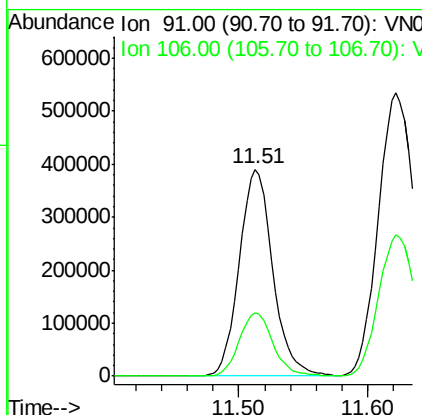
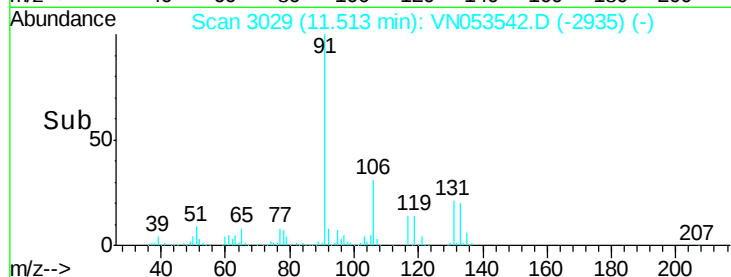
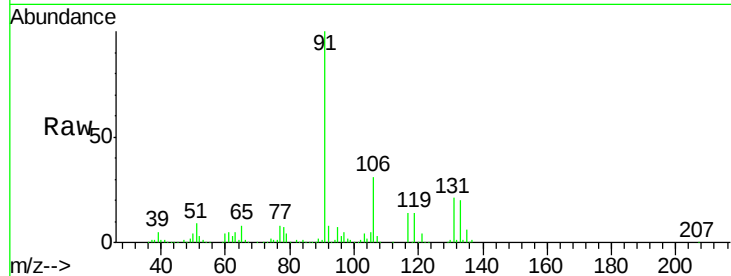




#67
Ethyl Benzene
Concen: 19.947 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

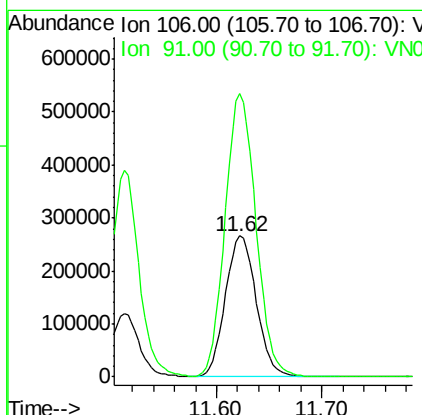
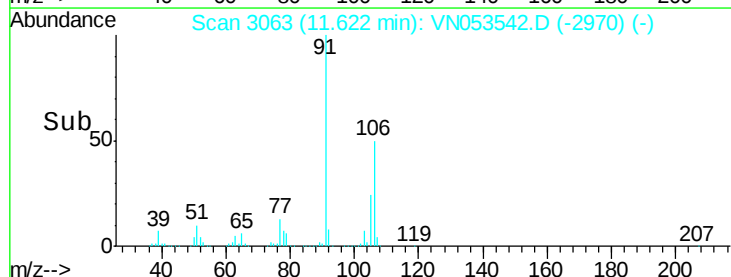
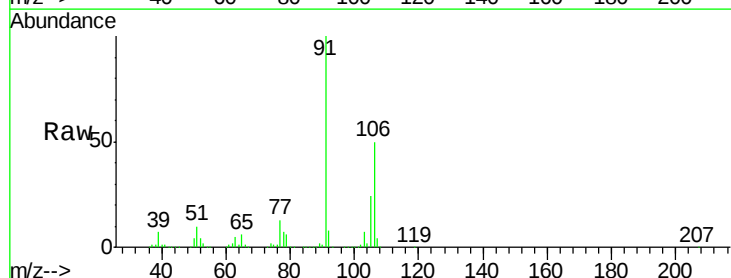
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

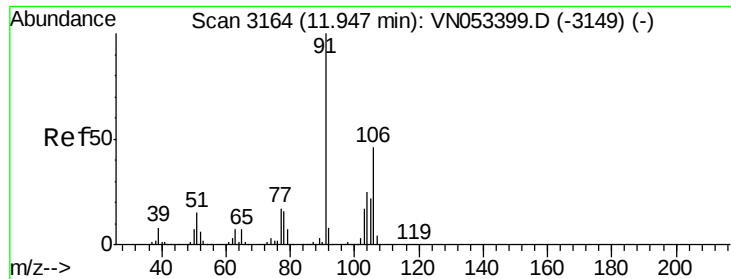
Tot Ion: 91 Resp: 706596
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6



#68
m/p-Xylenes
Concen: 40.482 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 106 Resp: 541411
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2

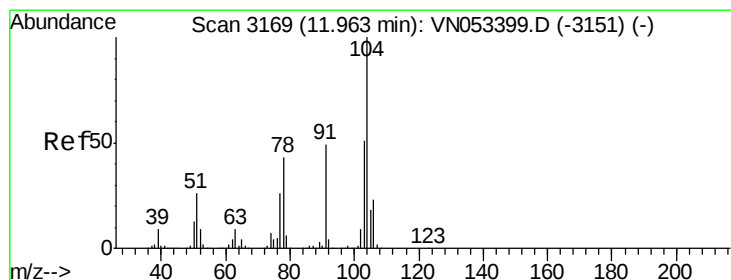
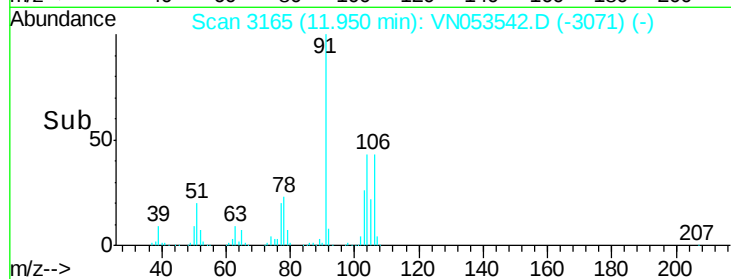
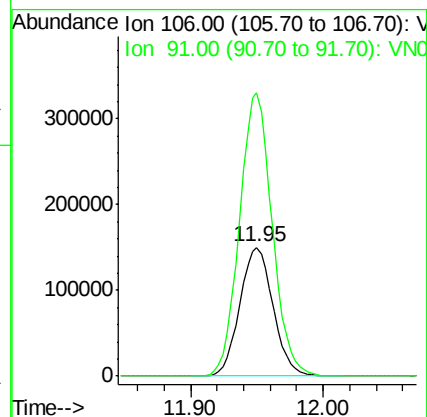
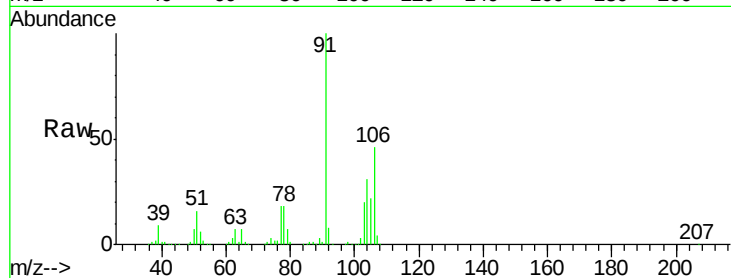




#69
o-Xylene
Concen: 20.101 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

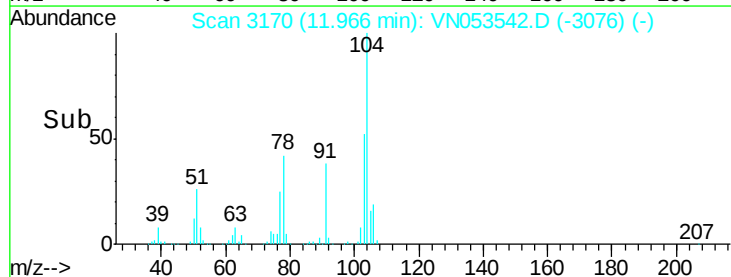
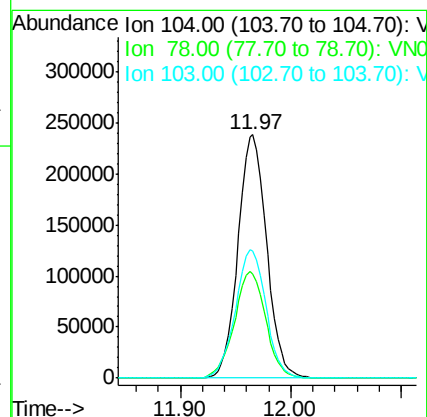
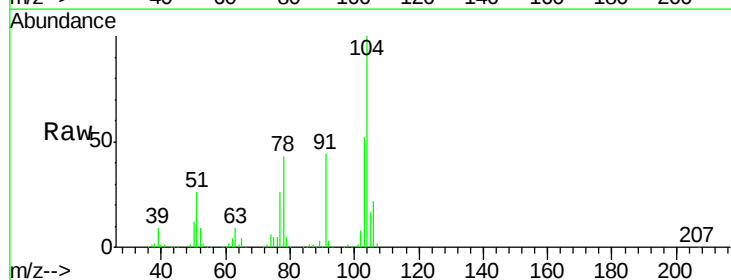
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

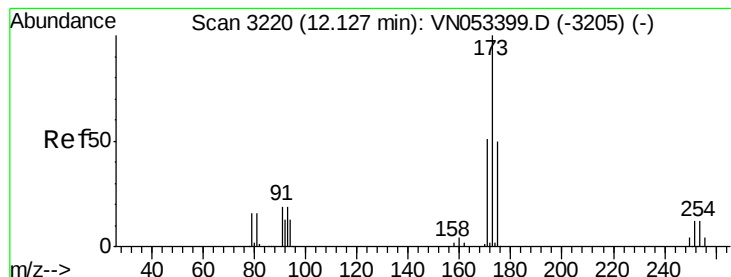
Tot Ion:106 Resp: 261223
Ion Ratio Lower Upper
106 100
91 216.1 106.9 320.8



#70
Styrene
Concen: 20.357 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion:104 Resp: 429368
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 21.339 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

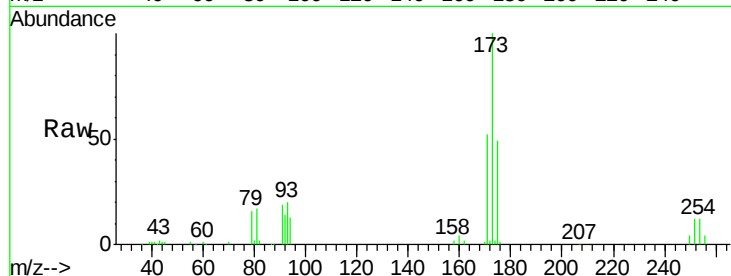
Tot Ion:173 Resp: 106226

Ion Ratio Lower Upper

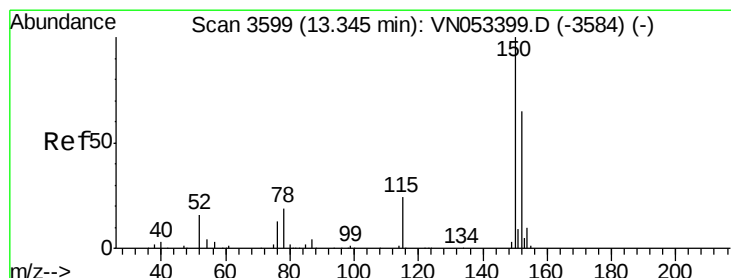
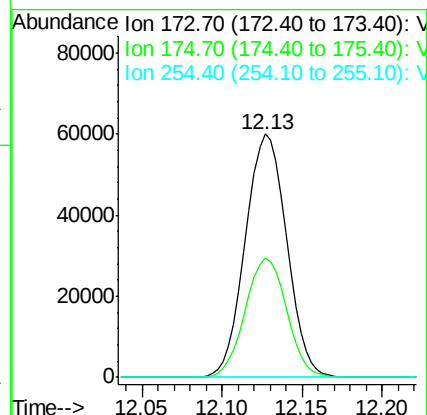
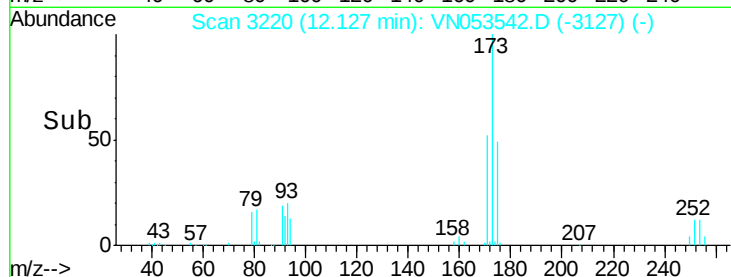
173 100

175 49.0 24.6 74.0

254 0.0 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

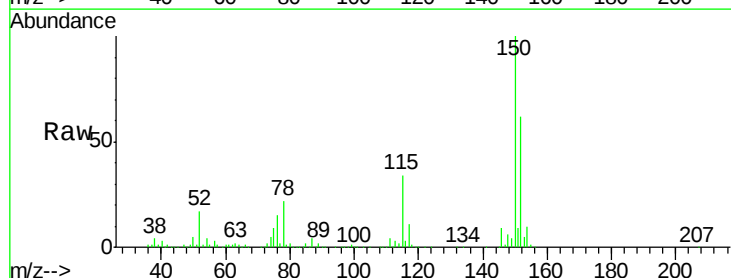
Tgt Ion:152 Resp: 460626

Ion Ratio Lower Upper

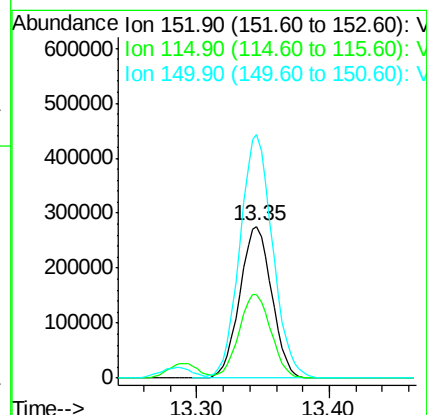
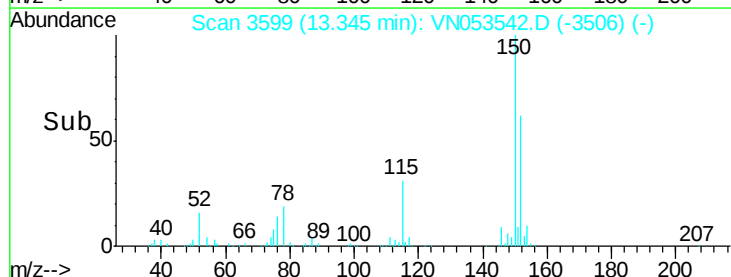
152 100

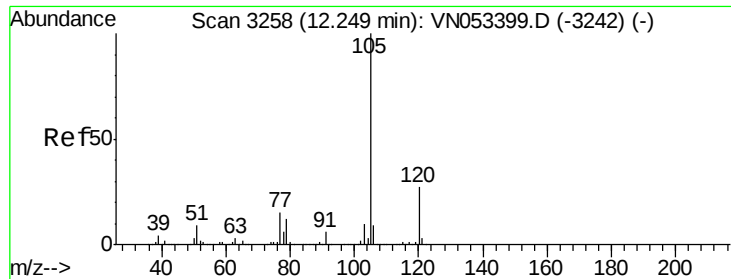
115 55.4 27.8 83.4

150 165.0 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

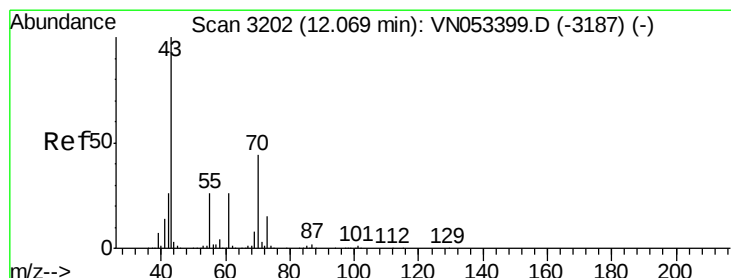
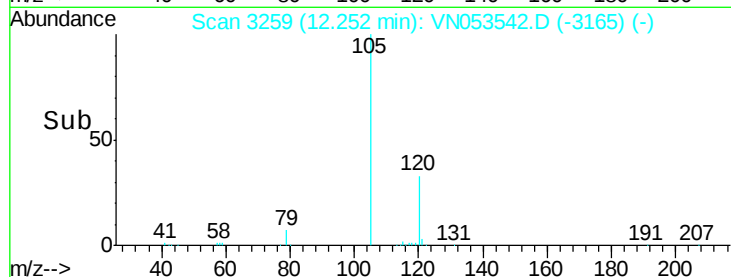
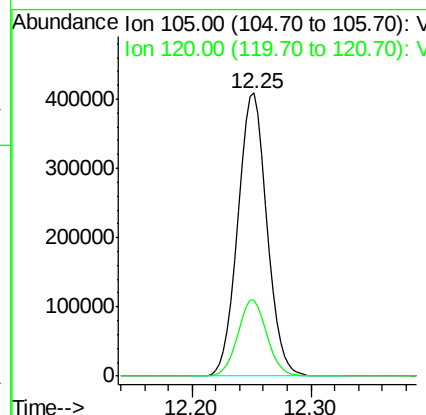
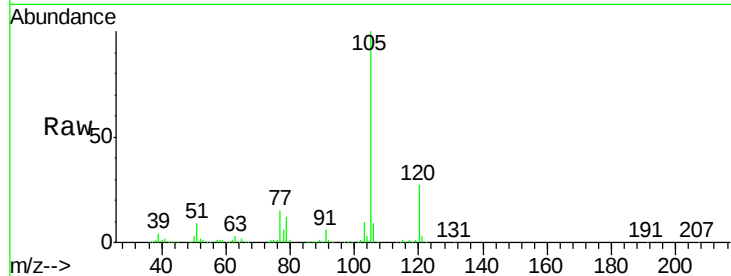




#73
Isopropylbenzene
Concen: 20.528 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

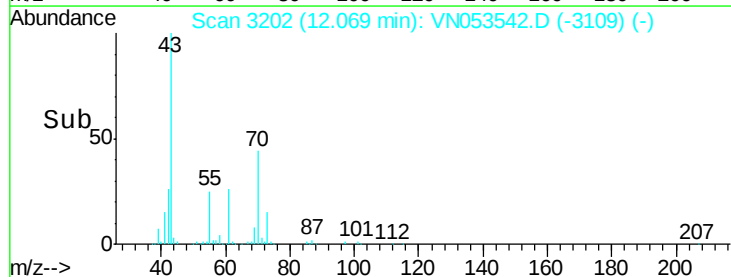
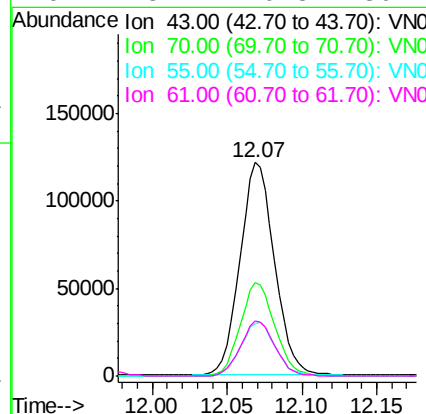
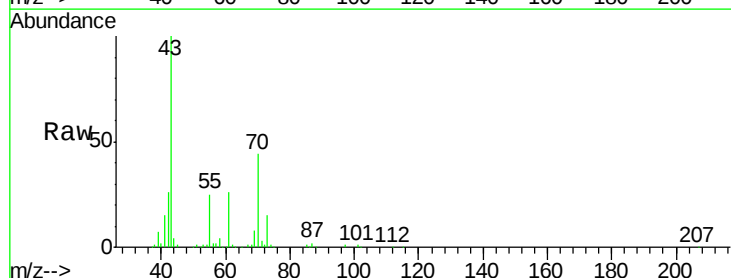
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

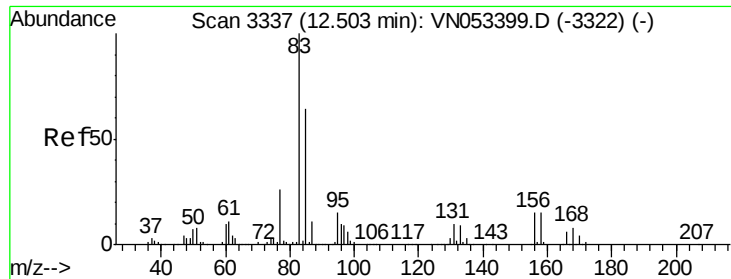
Tot Ion:105 Resp: 692459
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7



#74
N-ethyl acetate
Concen: 21.566 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 43 Resp: 193924
Ion Ratio Lower Upper
43 100
70 44.3 35.4 53.2
55 25.5 20.9 31.3
61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 25.477 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

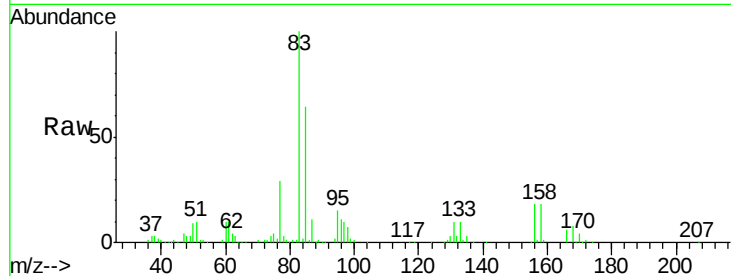
Tot Ion: 83 Resp: 180234

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

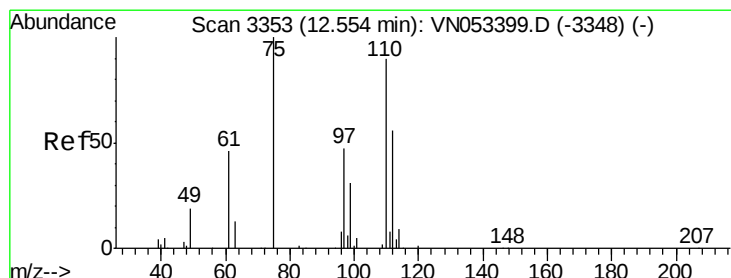
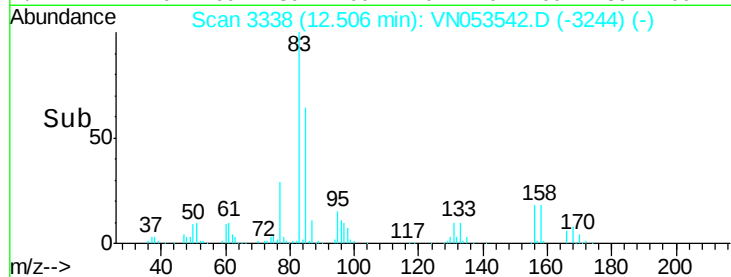
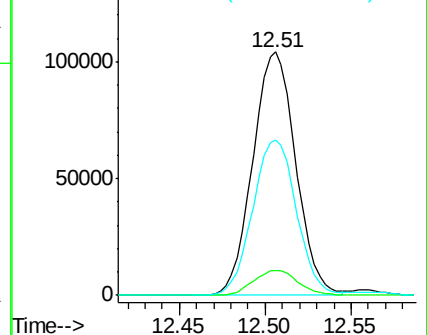
85 65.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 36.382 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN053542.D

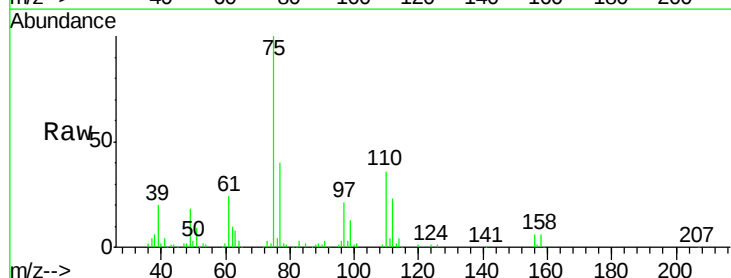
Acq: 28 Jan 2019 13:41

Tgt Ion: 75 Resp: 220845

Ion Ratio Lower Upper

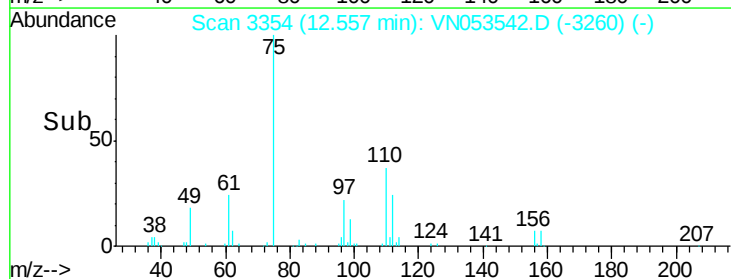
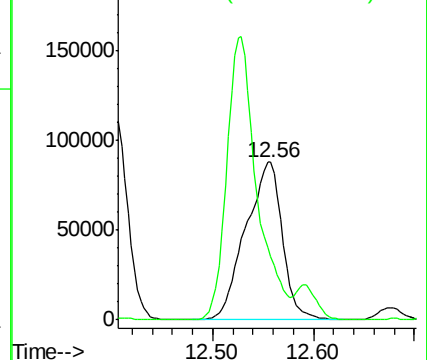
75 100

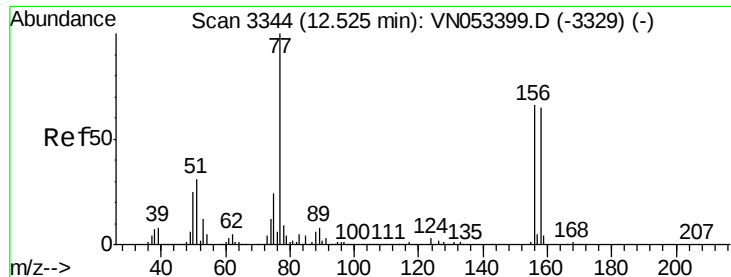
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.812 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

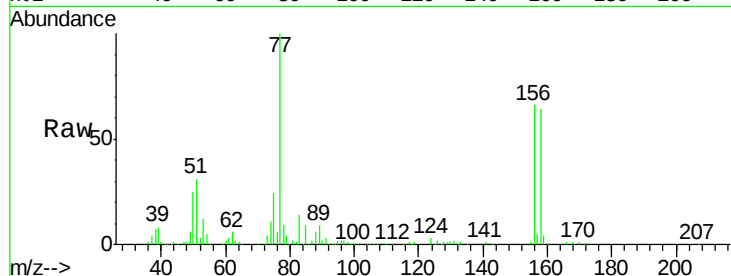
Tot Ion:156 Resp: 184986

Ion Ratio Lower Upper

156 100

77 177.9 87.9 263.8

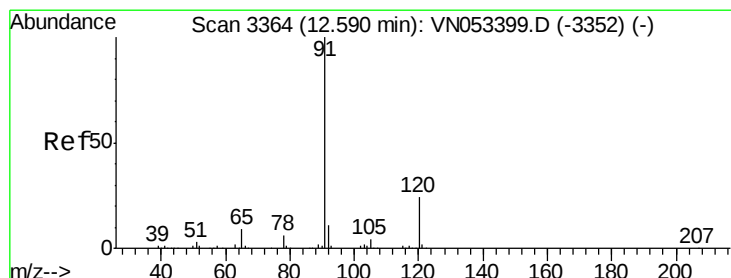
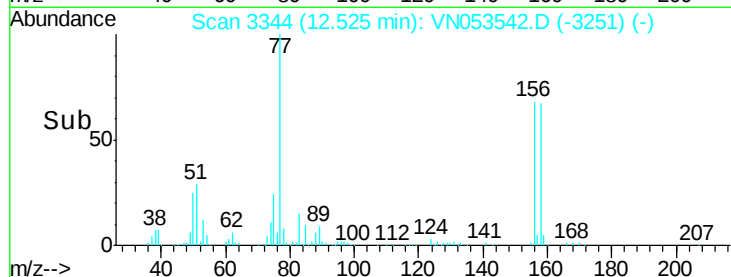
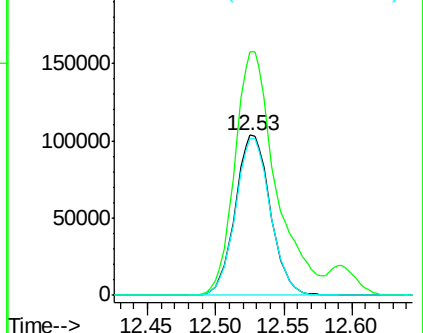
158 97.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.288 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053542.D

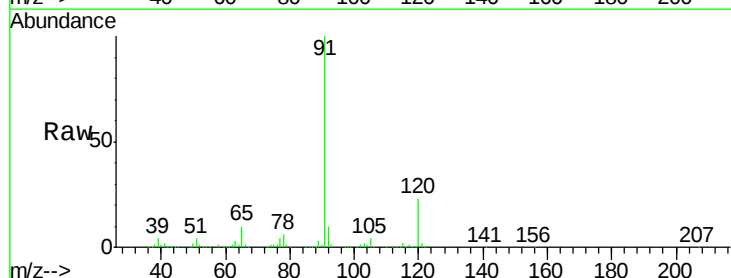
Acq: 28 Jan 2019 13:41

Tgt Ion: 91 Resp: 785547

Ion Ratio Lower Upper

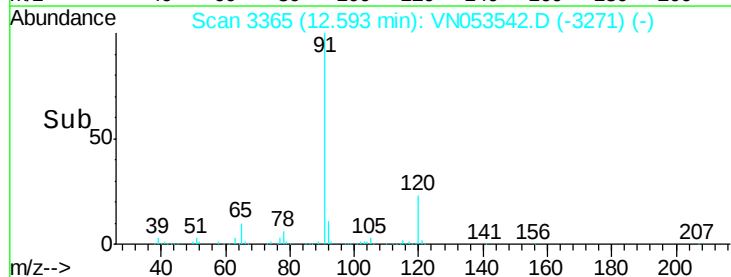
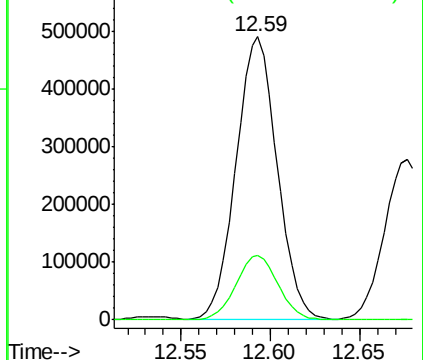
91 100

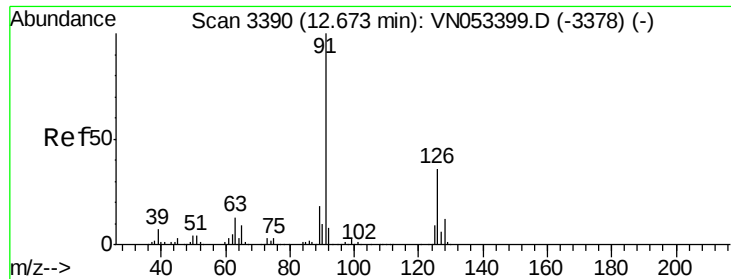
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.469 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

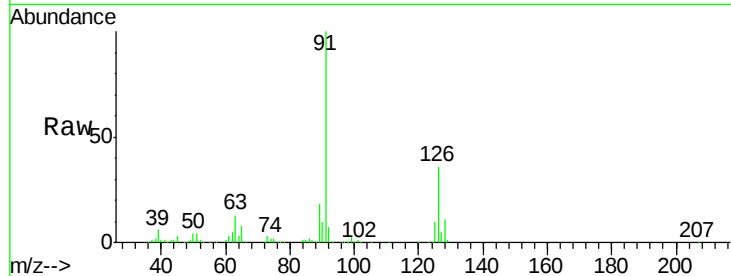
VN0128WBS01

Tot Ion: 91 Resp: 469794

Ion Ratio Lower Upper

91 100

126 35.8 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) (-)

12.68

300000

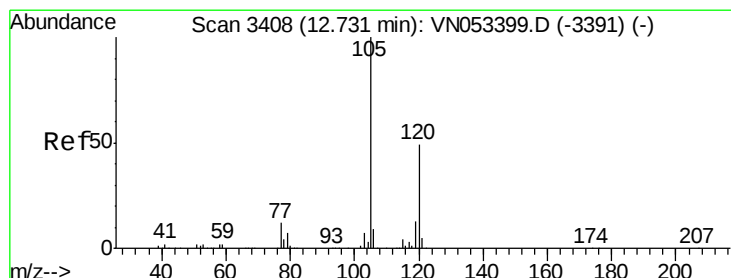
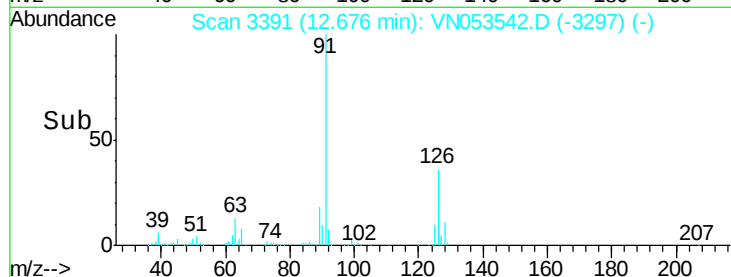
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.787 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053542.D

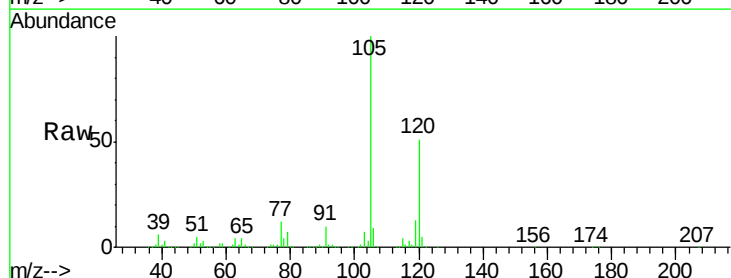
Acq: 28 Jan 2019 13:41

Tgt Ion: 105 Resp: 570499

Ion Ratio Lower Upper

105 100

120 50.0 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) (-)

12.73

400000

300000

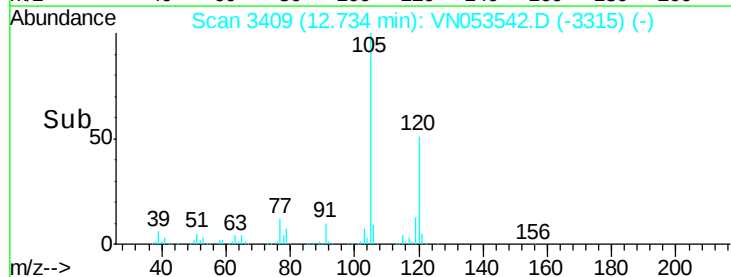
200000

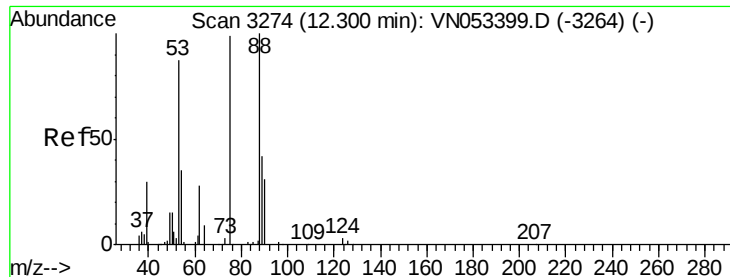
100000

0

12.70 12.80

Time-->

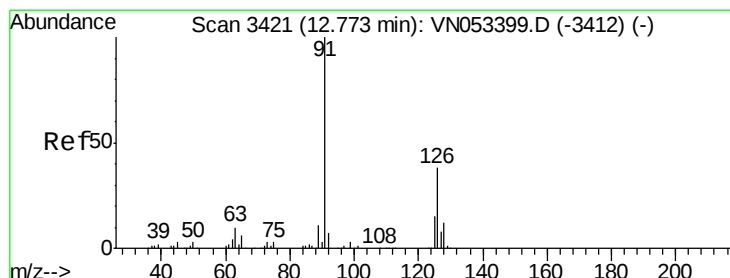
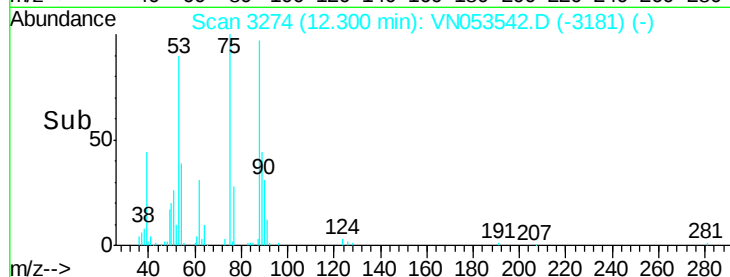
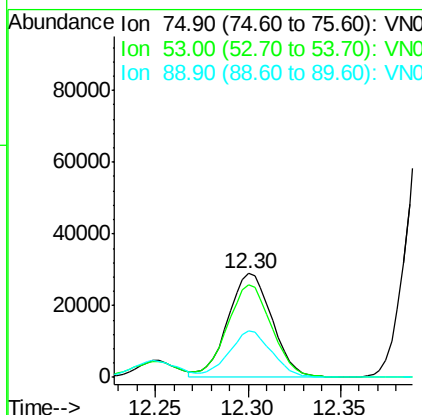
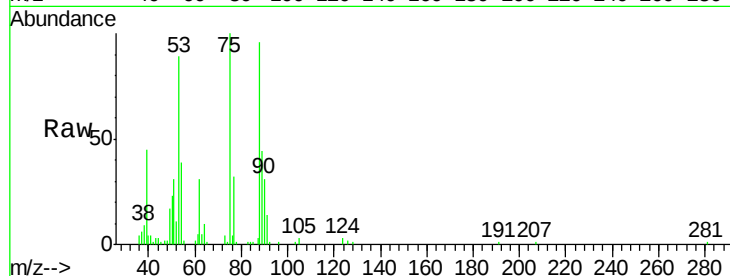




#81
trans-1,4-Dichloro-2-butene
Concen: 21.624 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

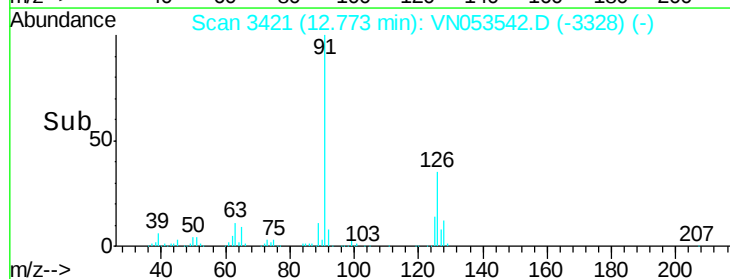
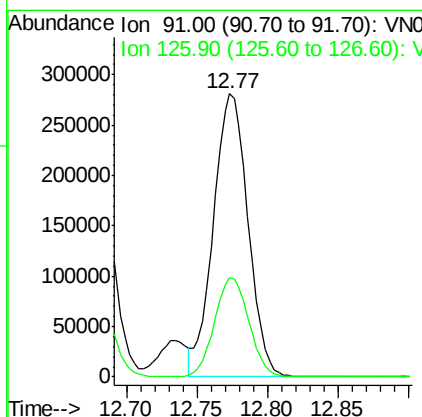
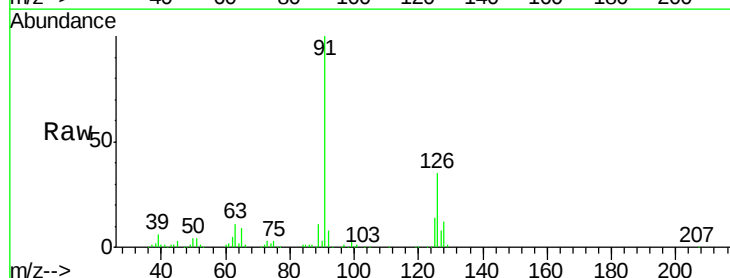
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

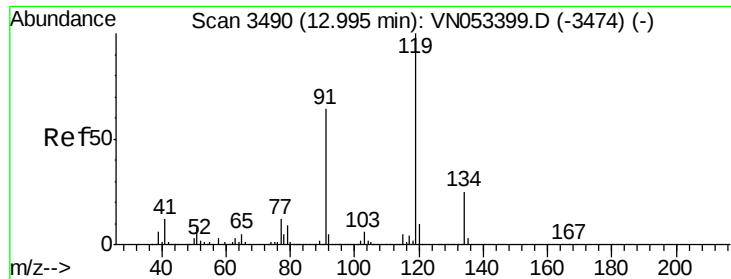
Tot Ion: 75 Resp: 48233
Ion Ratio Lower Upper
75 100
53 89.4 69.8 104.6
89 43.4 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.461 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 91 Resp: 478900
Ion Ratio Lower Upper
91 100
126 34.7 17.6 52.9

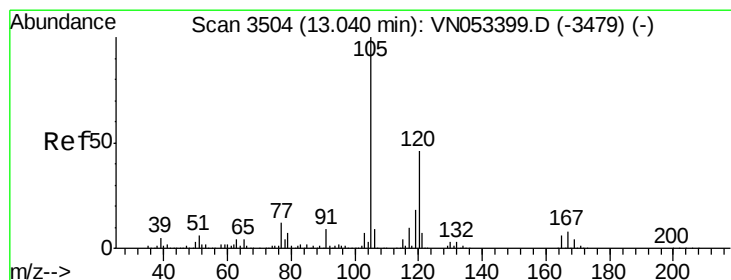
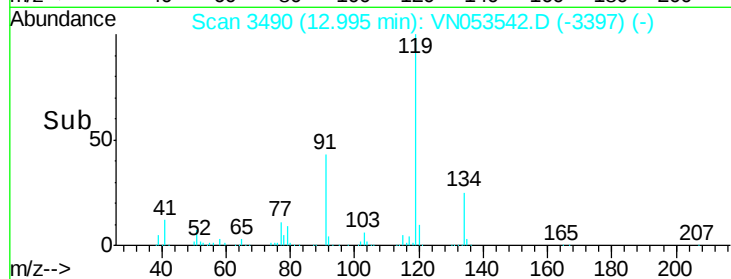
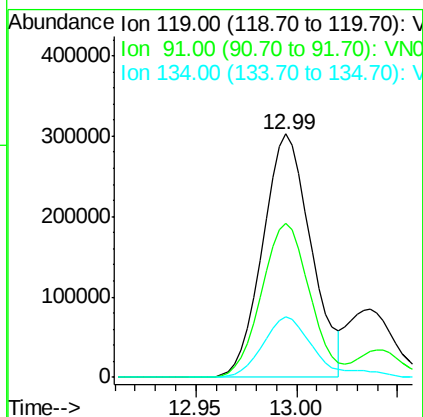
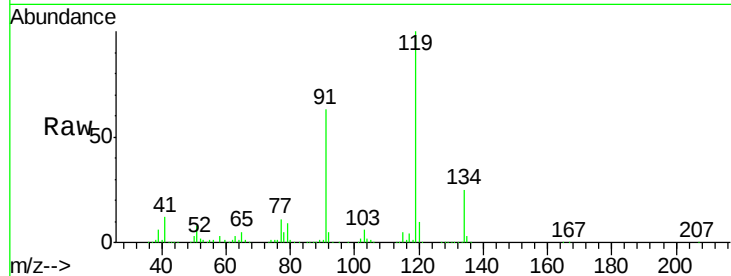




#83
tert-Butylbenzene
Concen: 20.829 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

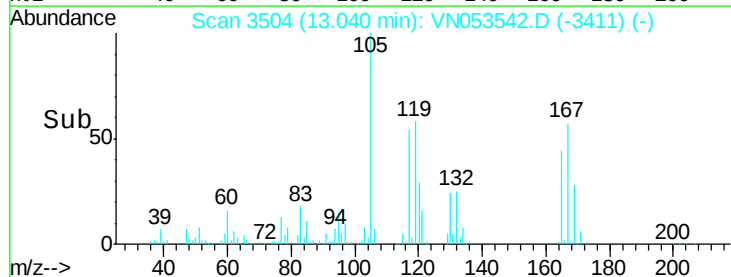
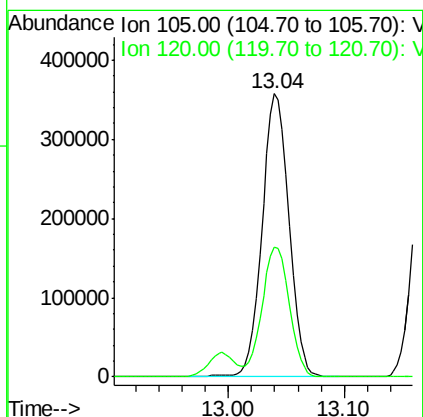
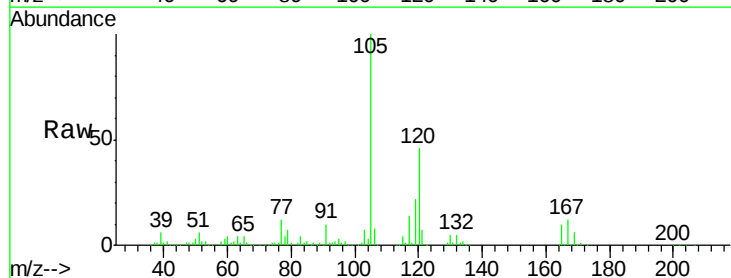
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

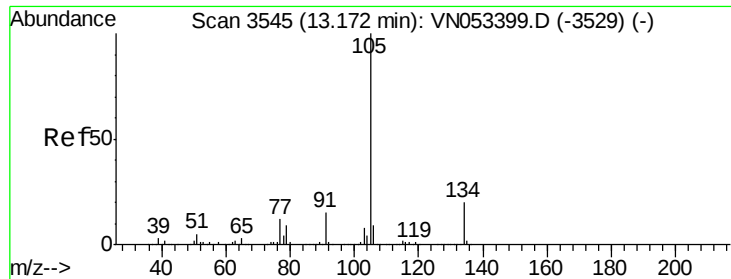
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.3	93.8
134	26.8	12.9	38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.874 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.597 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

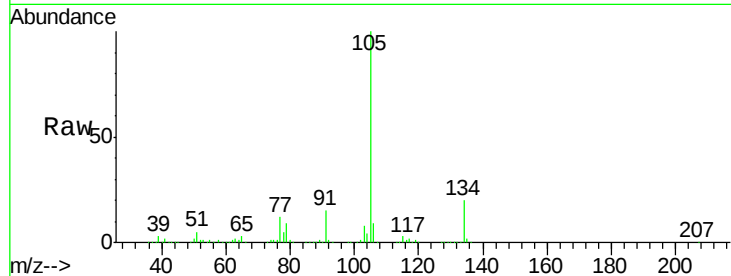
VN0128WBS01

Tot Ion:105 Resp: 684746

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

13.17

400000

300000

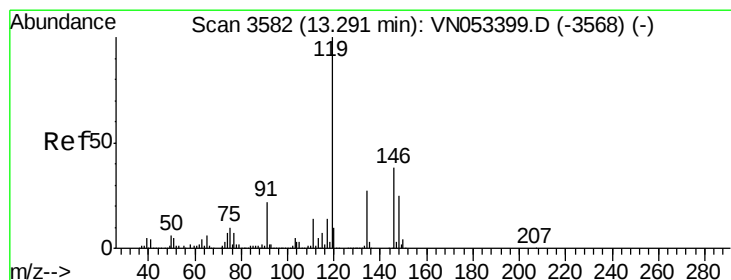
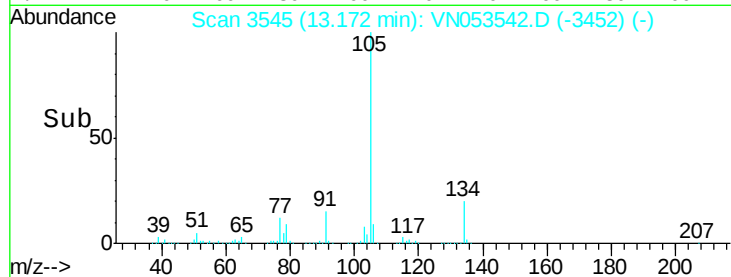
200000

100000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 20.507 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

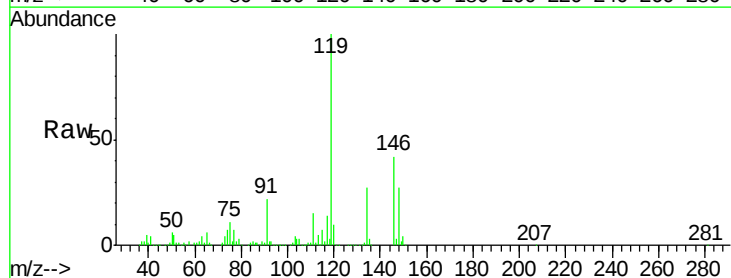
Tgt Ion:119 Resp: 591947

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.1 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

400000

300000

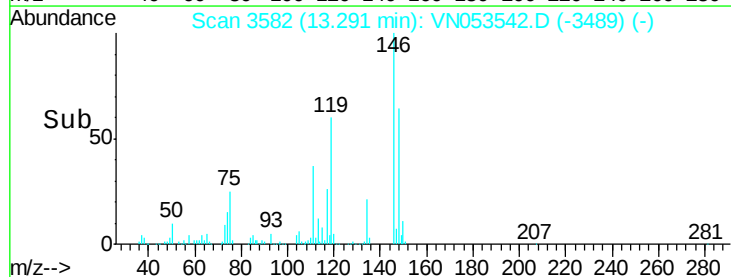
200000

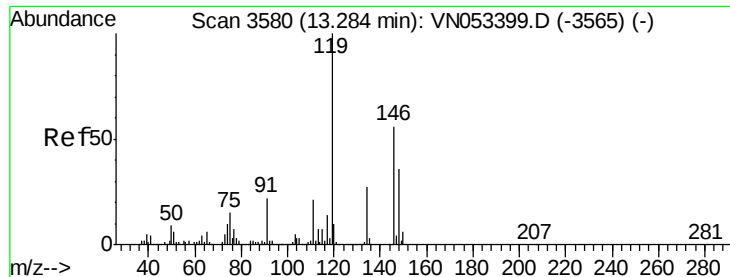
100000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 20.369 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

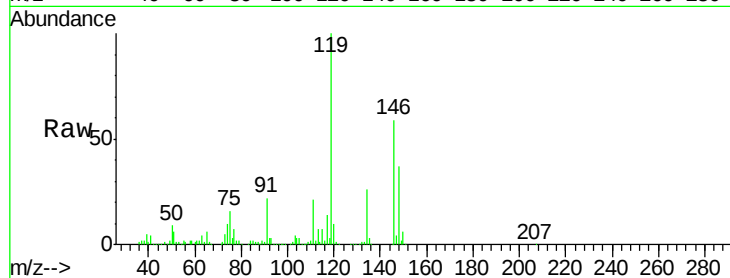
Tot Ion:146 Resp: 318470

Ion Ratio Lower Upper

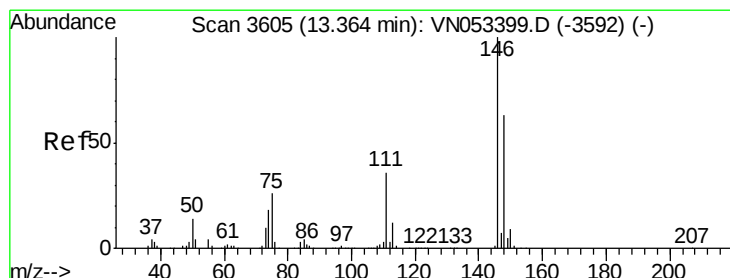
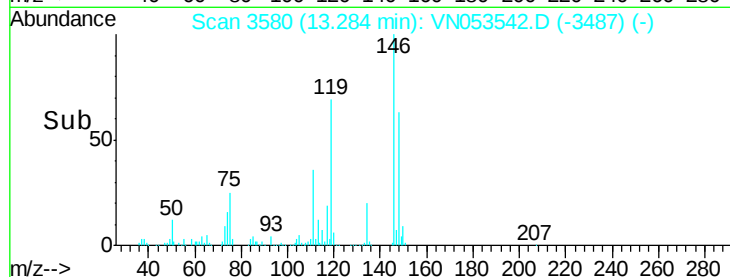
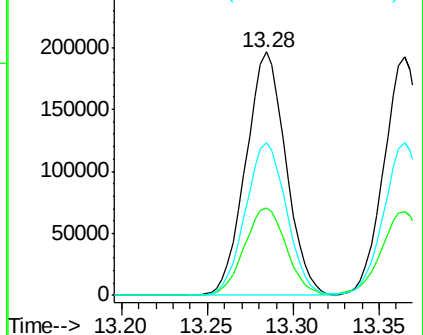
146 100

111 37.4 18.8 56.3

148 64.1 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: 20.076 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

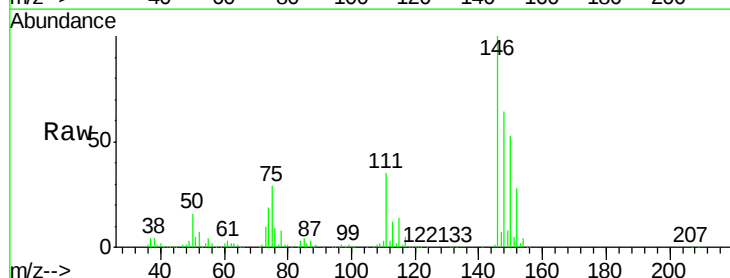
Tgt Ion:146 Resp: 314862

Ion Ratio Lower Upper

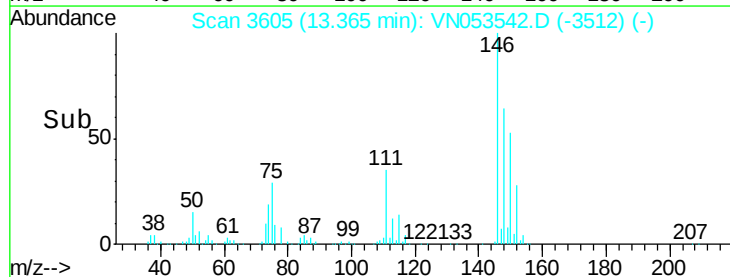
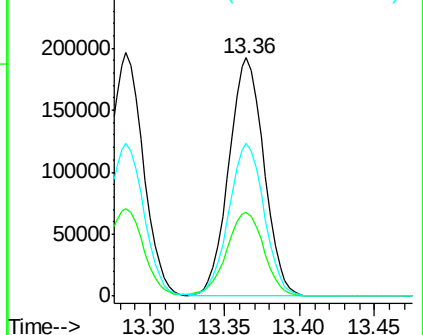
146 100

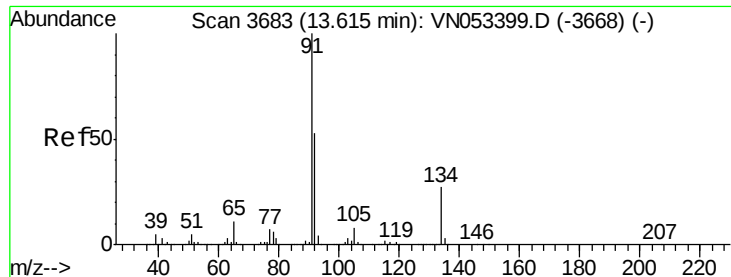
111 37.4 18.6 55.8

148 64.4 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: 20.242 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

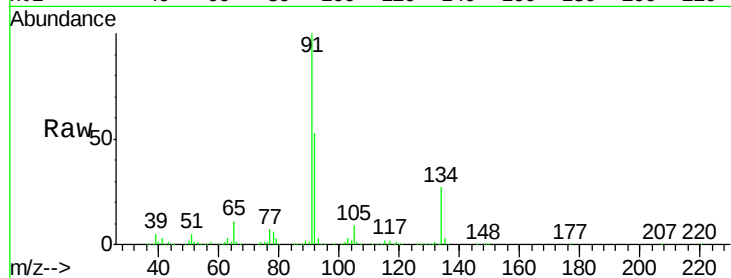
Tot Ion: 91 Resp: 498048

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

134 26.6 13.5 40.5

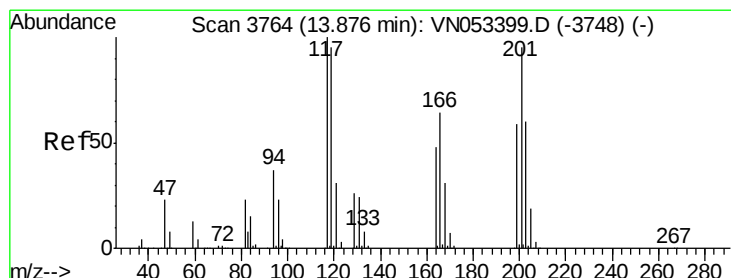
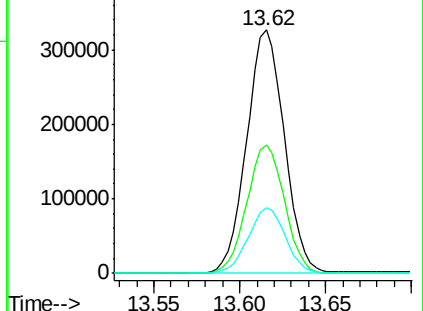
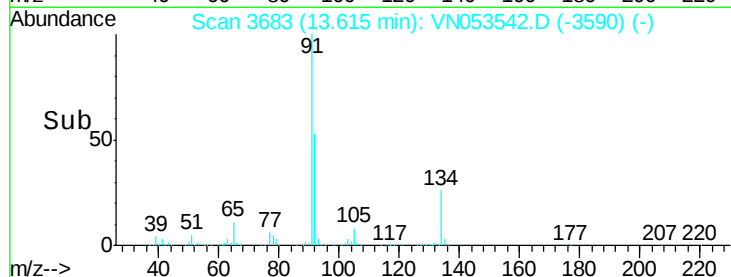


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.453 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053542.D

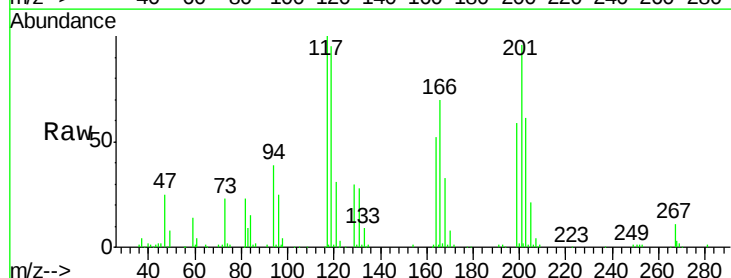
Acq: 28 Jan 2019 13:41

Tgt Ion: 117 Resp: 92591

Ion Ratio Lower Upper

117 100

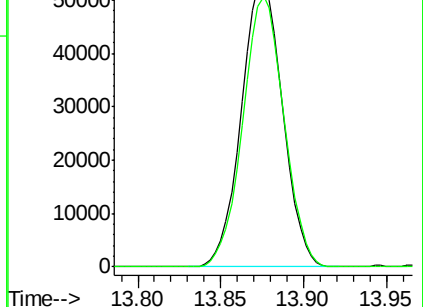
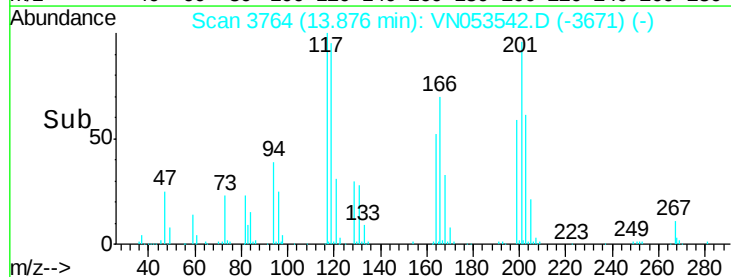
201 94.3 46.8 140.4

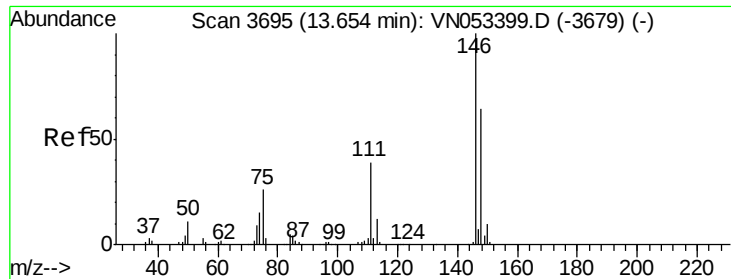


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.844 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

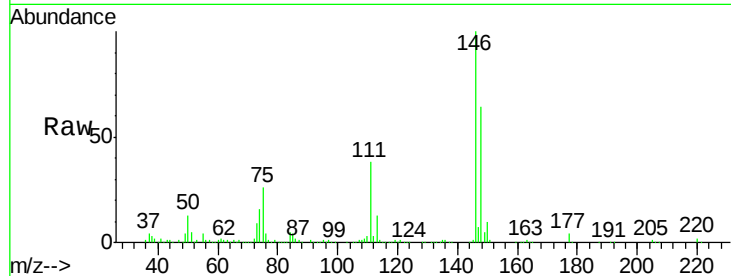
Tot Ion:146 Resp: 314212

Ion Ratio Lower Upper

146 100

111 38.4 19.5 58.5

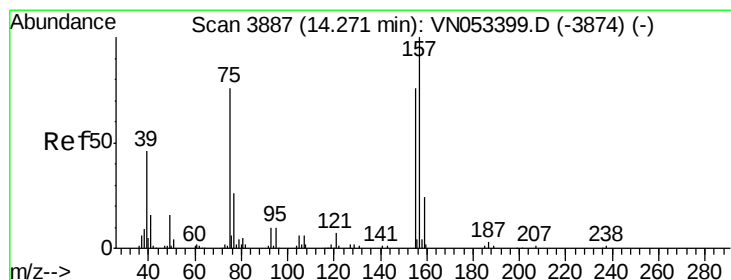
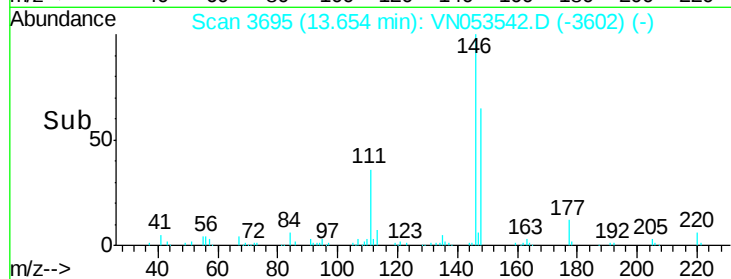
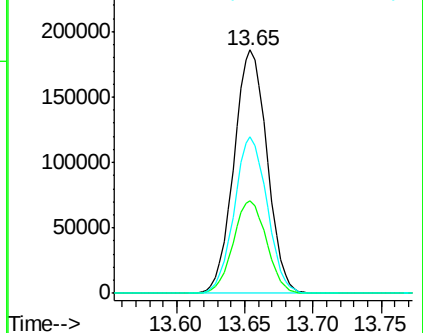
148 63.9 31.9 95.9



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: 29.287 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

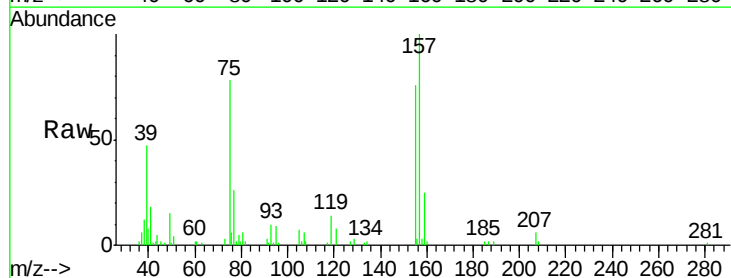
Tgt Ion: 75 Resp: 26271

Ion Ratio Lower Upper

75 100

155 97.4 48.9 146.7

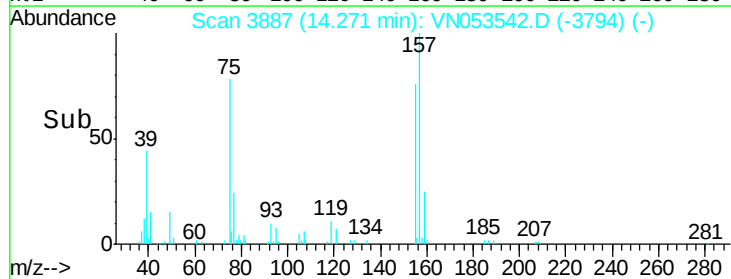
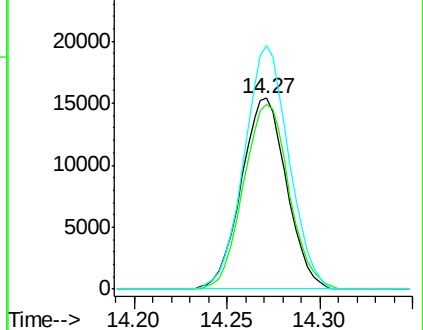
157 125.3 63.7 191.3

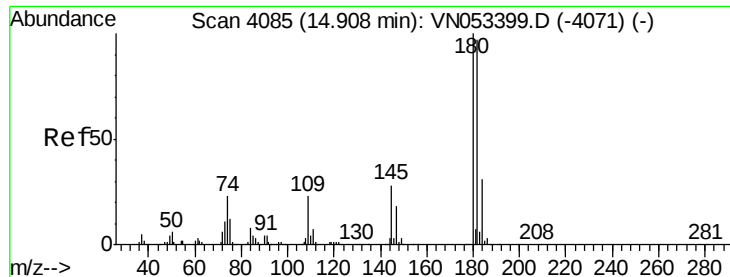


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

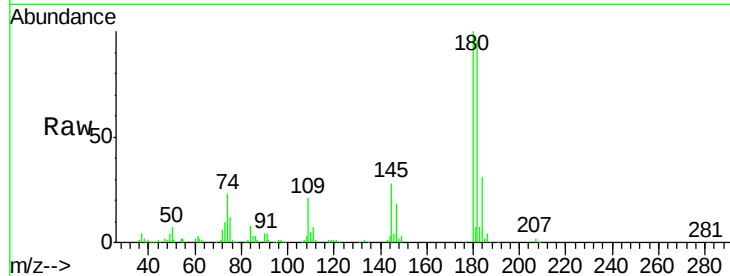




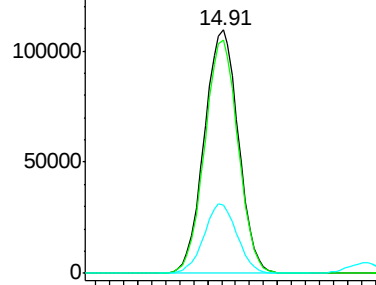
#93
 1,2,4-Trichlorobenzene
 Concen: 30.331 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

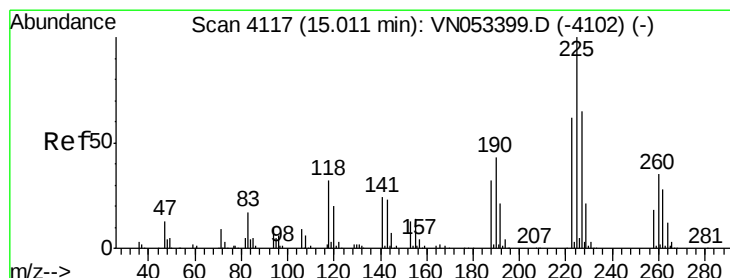
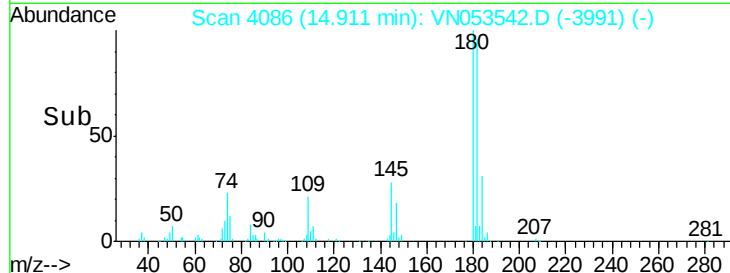
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	27.8	13.9	41.6



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

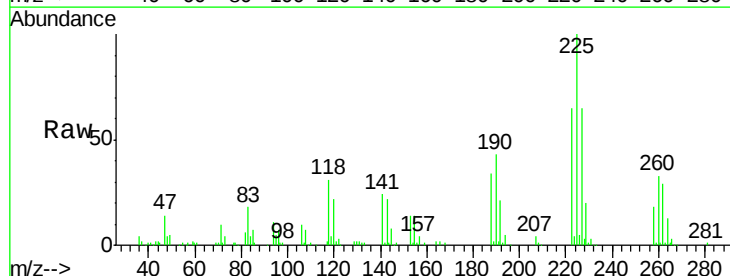


Time-->

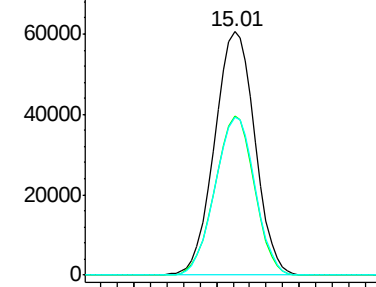


#94
 Hexachlorobutadiene
 Concen: 22.819 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

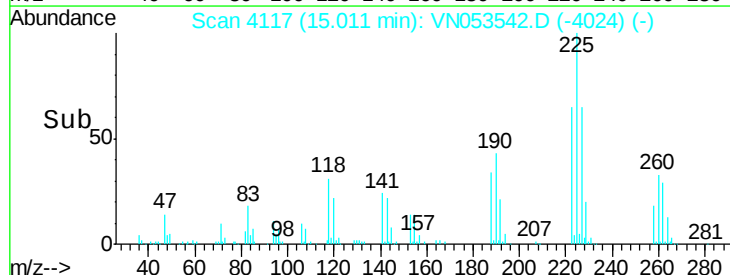
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	64.5	32.0	96.2

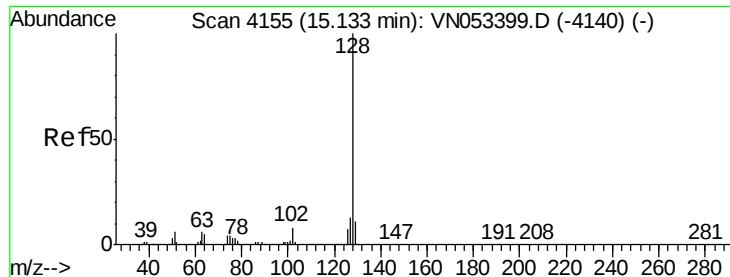


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 40.248 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

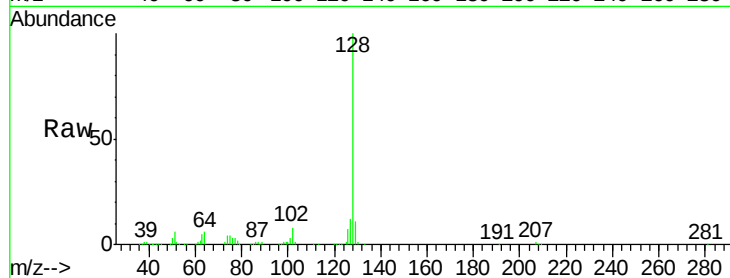
Tot Ion:128 Resp: 438888

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

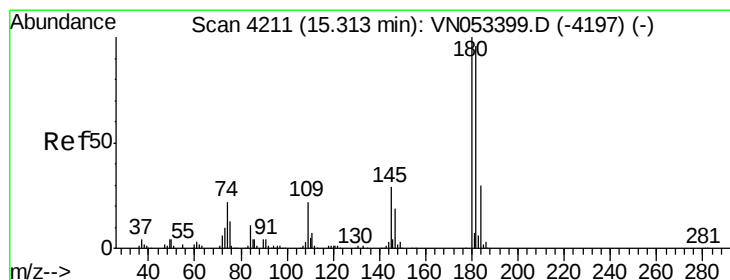
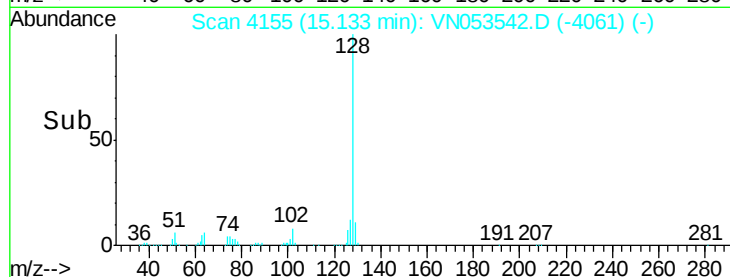
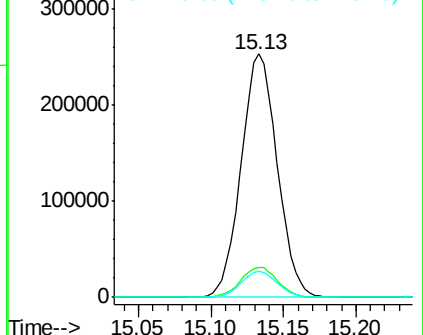
129 10.7 8.6 13.0



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: 39.102 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

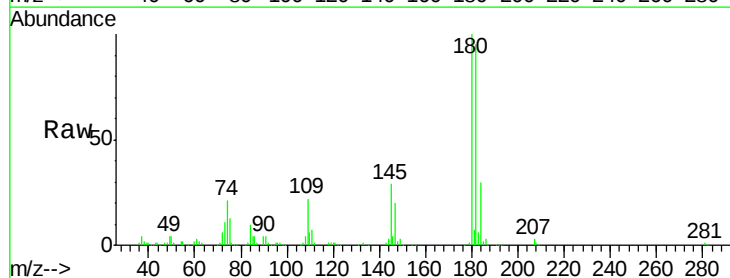
Tgt Ion:180 Resp: 177305

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.8

145 29.9 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

