

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053996.D
 Acq On : 28 Feb 2019 11:17
 Operator : JC/SP
 Sample : VN0228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:53:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1032303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394382	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	381269	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	7.59	113	332329	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.09	98	1218579	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	396369	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117266	20.568	ug/l	100
3) Chloromethane	2.06	50	164802	20.839	ug/l	99
4) Vinyl Chloride	2.19	62	162820	20.548	ug/l	100
5) Bromomethane	2.57	94	103096	19.646	ug/l	98
6) Chloroethane	2.71	64	98744	20.038	ug/l	97
7) Trichlorofluoromethane	3.02	101	202401	19.995	ug/l	99
8) Diethyl Ether	3.41	74	75555	19.922	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	129266	20.219	ug/l	94
10) Methyl Iodide	3.96	142	174249	20.742	ug/l	98
11) Tert butyl alcohol	4.78	59	48093	104.468	ug/l	100
12) 1,1-Dichloroethene	3.74	96	119321	19.512	ug/l	90
13) Acrolein	3.61	56	42988	90.192	ug/l	98
14) Allyl chloride	4.33	41	225599	21.033	ug/l	94
15) Acrylonitrile	4.99	53	257964	106.319	ug/l	99
16) Acetone	3.81	43	232269	114.225	ug/l	94
17) Carbon Disulfide	4.06	76	373231	18.918	ug/l	99
18) Methyl Acetate	4.32	43	110960	21.852	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	341618	20.824	ug/l	100
20) Methylene Chloride	4.55	84	143813	20.009	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	133270	20.135	ug/l	92
22) Diisopropyl ether	5.95	45	450043	21.749	ug/l	92
23) Vinyl Acetate	5.90	43	1554517	104.430	ug/l	95
24) 1,1-Dichloroethane	5.85	63	261454	20.604	ug/l	98
25) 2-Butanone	6.83	43	304704	106.862	ug/l	96
26) 2,2-Dichloropropane	6.82	77	189902	21.064	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152643	20.737	ug/l	94
28) Bromochloromethane	7.19	49	130245	22.424	ug/l	# 80
29) Tetrahydrofuran	7.21	42	196705	103.593	ug/l	91
30) Chloroform	7.37	83	251205	20.416	ug/l	99
31) Cyclohexane	7.65	56	247261	21.055	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	208291	20.531	ug/l	97
36) 1,1-Dichloropropene	7.79	75	191625	19.961	ug/l	95
37) Ethyl Acetate	6.93	43	136406	19.899	ug/l	96
38) Carbon Tetrachloride	7.77	117	184554	18.484	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215414	18.617	ug/l	93
40) Benzene	8.04	78	580813	19.694	ug/l	98
41) Methacrylonitrile	7.17	41	59997	13.593	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	183501	20.098	ug/l	97
43) Isopropyl Acetate	8.16	43	230107	19.882	ug/l #	91
44) Trichloroethene	8.83	130	148753	19.026	ug/l	95
45) 1,2-Dichloropropane	9.12	63	159415	20.035	ug/l	100
46) Dibromomethane	9.21	93	91111	19.724	ug/l	92
47) Bromodichloromethane	9.40	83	193322	19.859	ug/l	100
48) Methyl methacrylate	9.20	41	103956	19.527	ug/l	92
49) 1,4-Dioxane	9.20	88	28459	394.691	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	612075	102.915	ug/l	95
52) Toluene	10.16	92	344511	19.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	187960	19.844	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222944	19.966	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	127158	19.607	ug/l	98
56) Ethyl methacrylate	10.43	69	148463	18.731	ug/l	89
57) 1,3-Dichloropropane	10.71	76	220093	20.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	340866	95.026	ug/l	95
59) 2-Hexanone	10.75	43	393168	101.644	ug/l	93
60) Dibromochloromethane	10.90	129	137866	19.128	ug/l	100
61) 1,2-Dibromoethane	11.00	107	120858	19.318	ug/l	97
64) Tetrachloroethene	10.63	164	147117	19.557	ug/l	97
65) Chlorobenzene	11.43	112	363673	19.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	133952	19.824	ug/l	99
67) Ethyl Benzene	11.51	91	624452	19.868	ug/l	98
68) m/p-Xylenes	11.62	106	473369	39.904	ug/l	95
69) o-Xylene	11.95	106	231159	19.832	ug/l	98
70) Styrene	11.96	104	362811	20.237	ug/l	98
71) Bromoform	12.13	173	90208	19.190	ug/l #	99
73) Isopropylbenzene	12.25	105	607881	19.801	ug/l	98
74) N-amyl acetate	12.07	43	161839	20.113	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	152637	19.882	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	184410	29.148	ug/l #	100
77) Bromobenzene	12.53	156	151065	19.381	ug/l	90
78) n-propylbenzene	12.59	91	701802	20.101	ug/l	97
79) 2-Chlorotoluene	12.67	91	422232	20.132	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	514398	20.467	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	37695	18.832	ug/l	91
82) 4-Chlorotoluene	12.77	91	416725	20.104	ug/l	96
83) tert-Butylbenzene	12.99	119	444638	20.003	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	510978	20.365	ug/l	99
85) sec-Butylbenzene	13.17	105	618165	20.361	ug/l	97
86) p-Isopropyltoluene	13.29	119	517256	20.153	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262184	19.444	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260172	19.888	ug/l	99
89) n-Butylbenzene	13.62	91	433911	20.060	ug/l	98
90) Hexachloroethane	13.88	117	94867	19.074	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	261859	20.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21450	19.771	ug/l	86

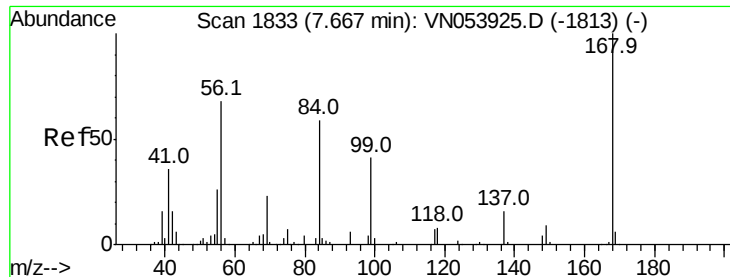
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122640	18.389	ug/l	97
94) Hexachlorobutadiene	15.01	225	92576	19.635	ug/l	97
95) Naphthalene	15.13	128	237009	17.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	123572	18.776	ug/l	98

(#) = 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: VN053996.D

Acq: 28 Feb 2019 11:17

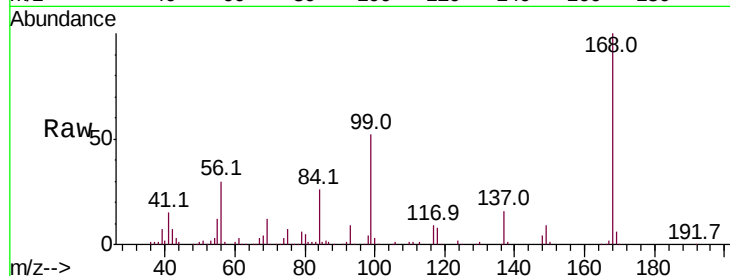
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 619497

Ion Ratio Lower Upper

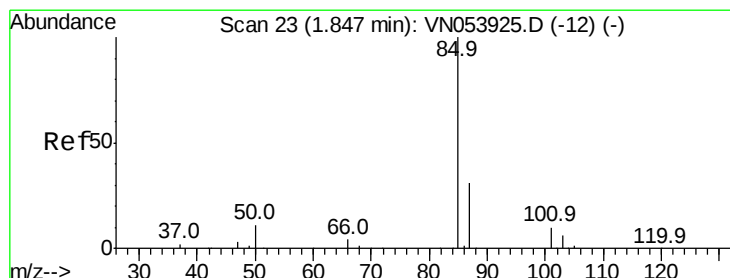
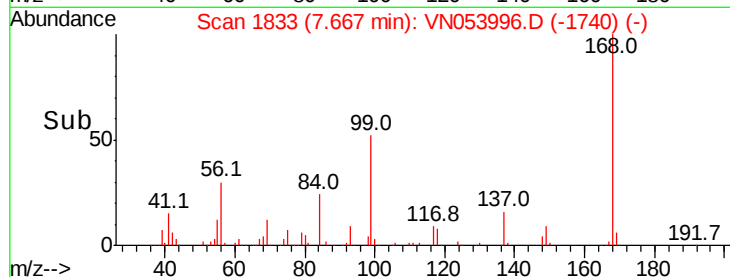
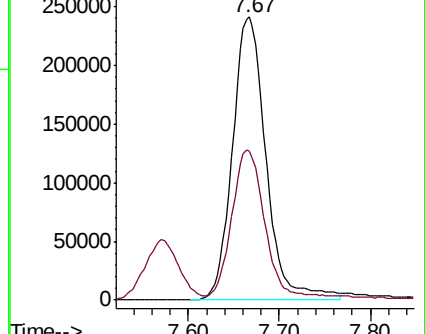
168 100

99 50.9 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.568 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053996.D

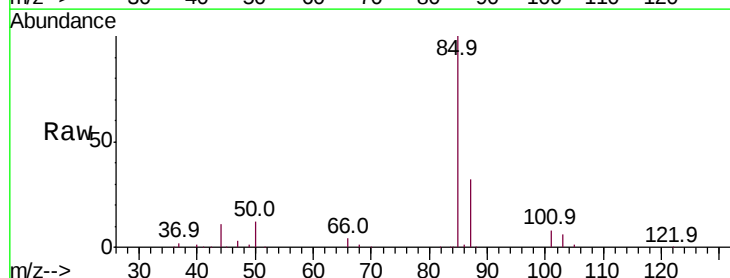
Acq: 28 Feb 2019 11:17

Tgt Ion: 85 Resp: 117266

Ion Ratio Lower Upper

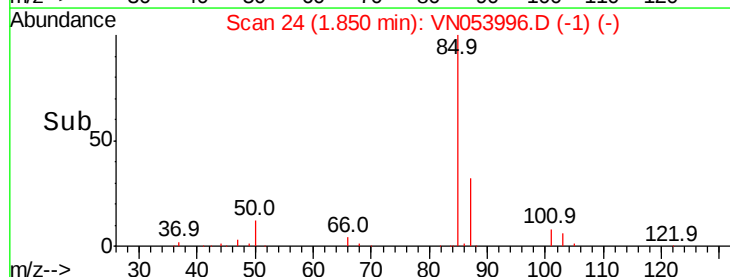
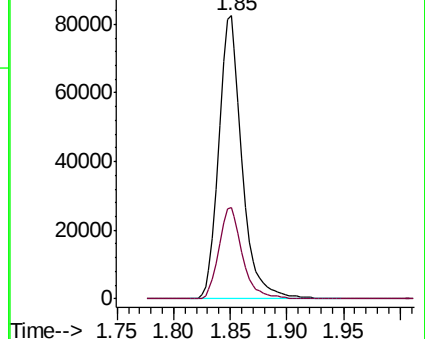
85 100

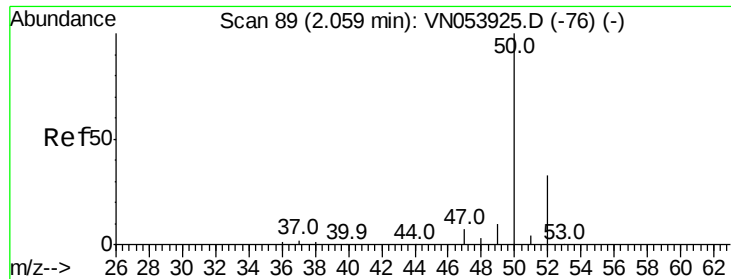
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

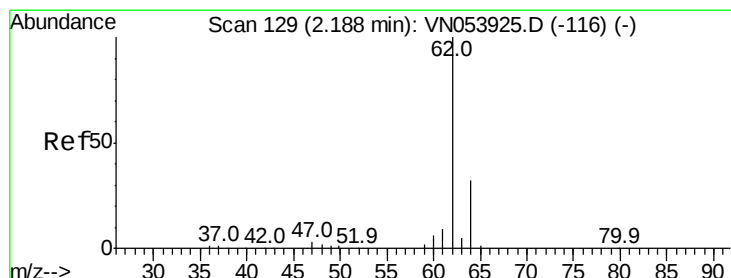
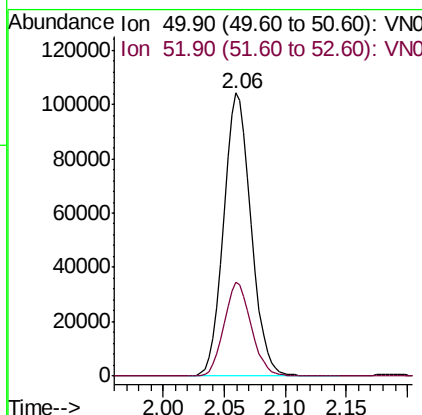
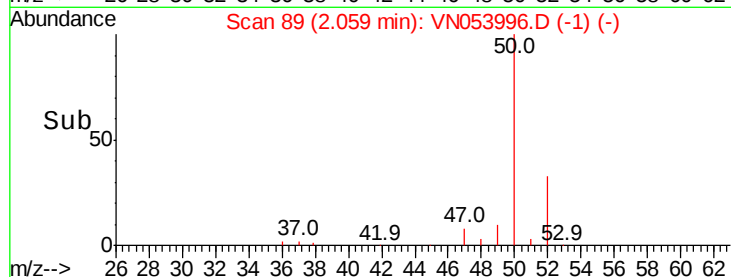
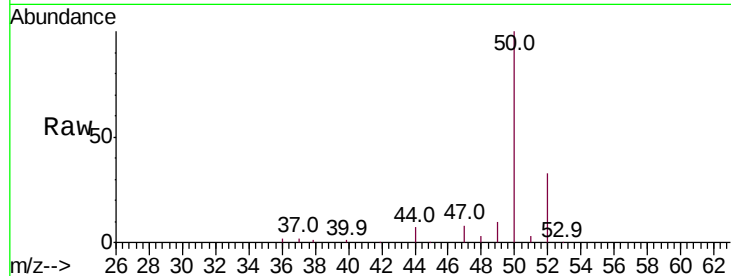




#3
 Chloromethane
 Concen: 20.839 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

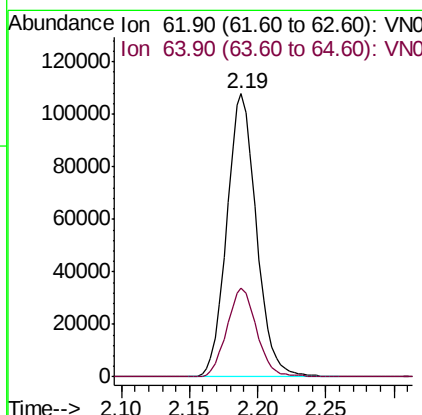
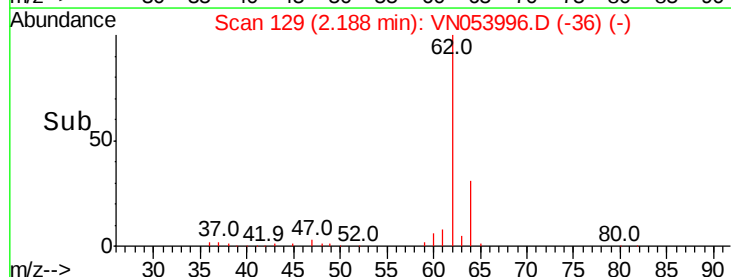
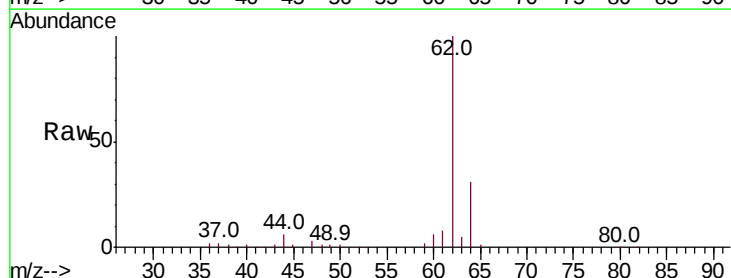
Instrument :
 MSVOA_N
 ClientSampleId :

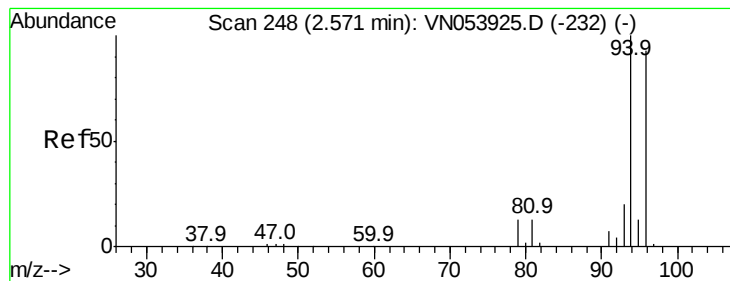
Tot Ion: 50 Resp: 164802
 Ion Ratio Lower Upper
 50 100
 52 33.0 26.0 39.0



#4
 Vinyl Chloride
 Concen: 20.548 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

Tgt Ion: 62 Resp: 162820
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.1 37.7





#5

Bromomethane

Concen: 19.646 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

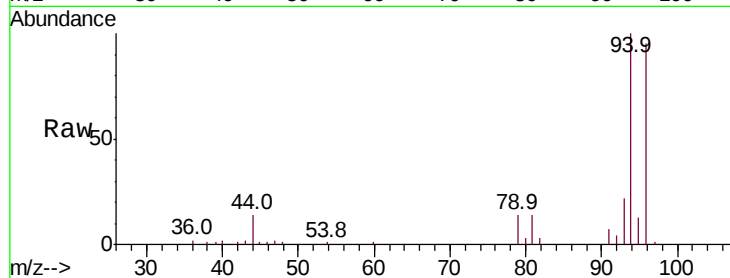
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 103096

Ion Ratio Lower Upper

94 100

96 95.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN053925.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN053996.D (-155) (-)

2.57

60000

50000

40000

30000

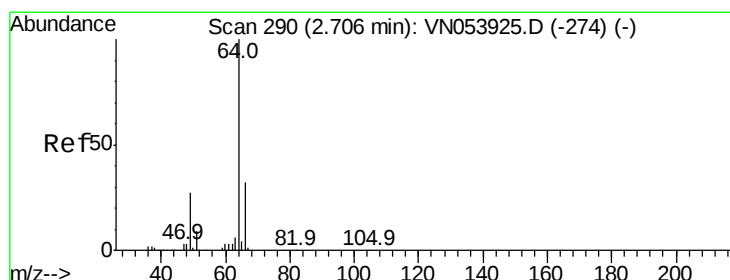
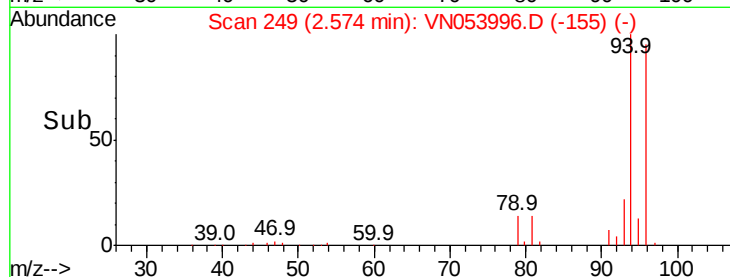
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.038 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053996.D

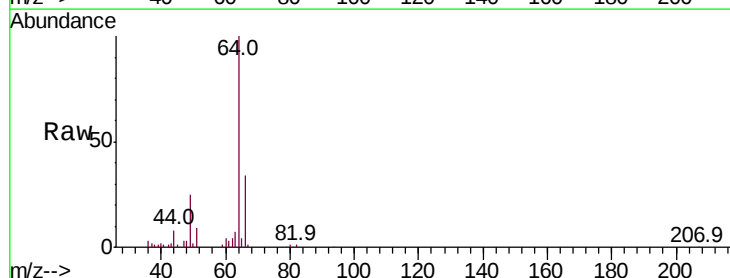
Acq: 28 Feb 2019 11:17

Tgt Ion: 64 Resp: 98744

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN053925.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN053996.D (-197) (-)

2.71

50000

40000

30000

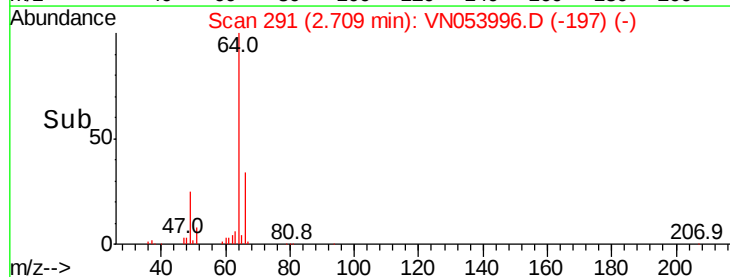
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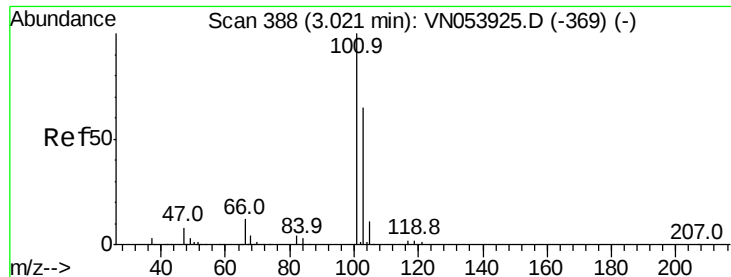
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Time-->

2.60 2.65 2.70 2.75 2.80



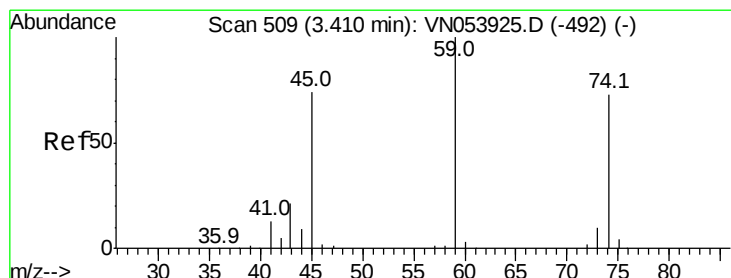
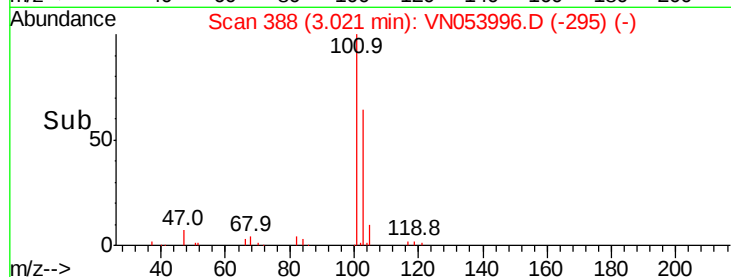
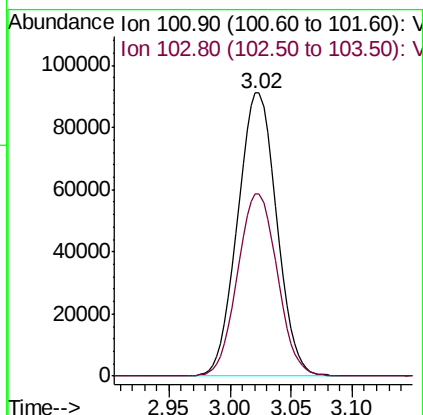
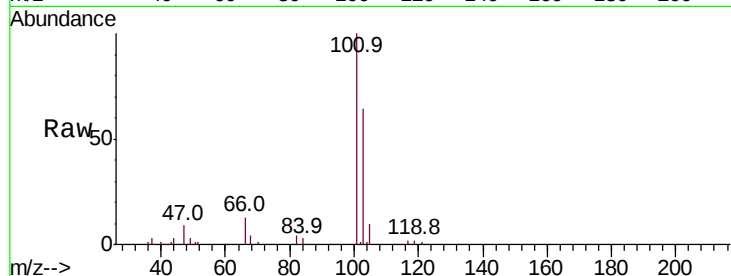


#7

Trichlorofluoromethane
Concen: 19.995 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

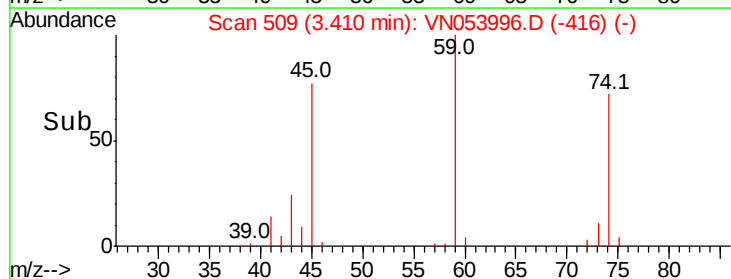
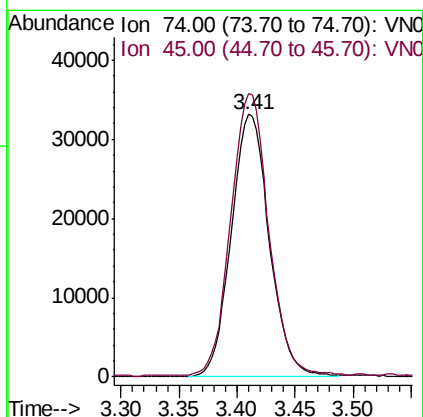
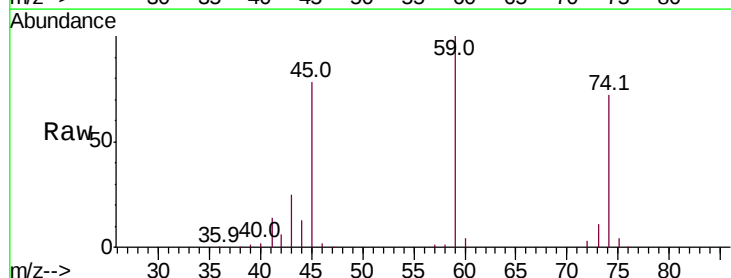
Tot Ion:101 Resp: 202401
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9

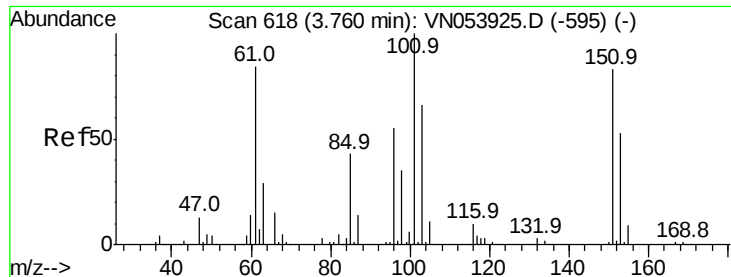


#8

Diethyl Ether
Concen: 19.922 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 74 Resp: 75555
Ion Ratio Lower Upper
74 100
45 106.4 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.219 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

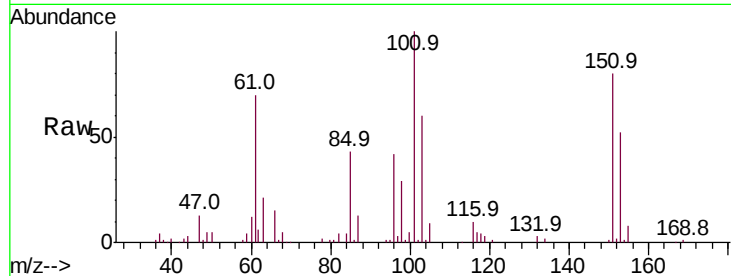
Tot Ion:101 Resp: 129266

Ion Ratio Lower Upper

101 100

85 43.0 32.5 48.7

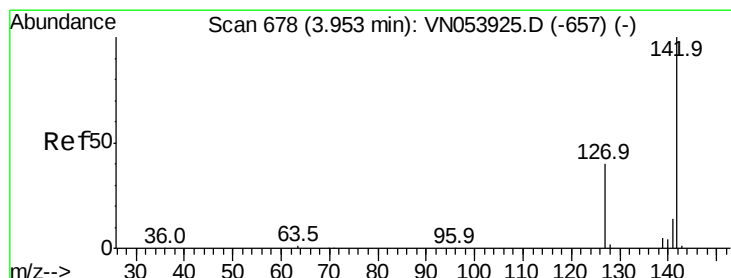
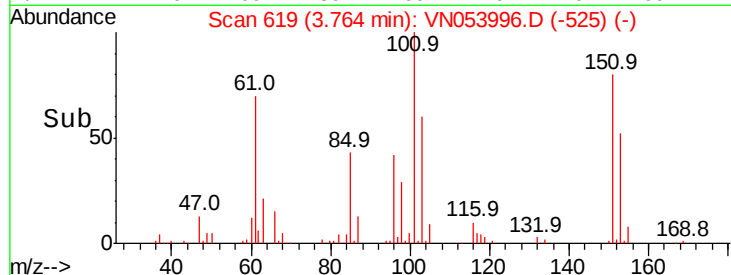
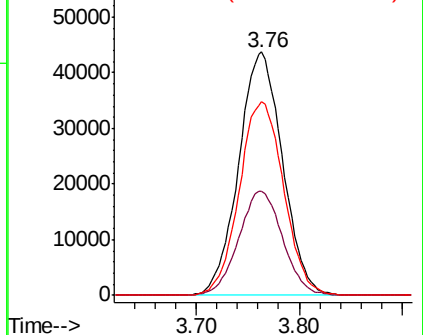
151 80.6 70.2 105.2



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: 20.742 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

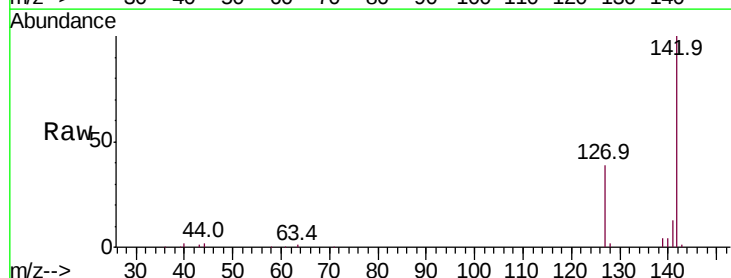
Tgt Ion:142 Resp: 174249

Ion Ratio Lower Upper

142 100

127 40.3 31.0 46.4

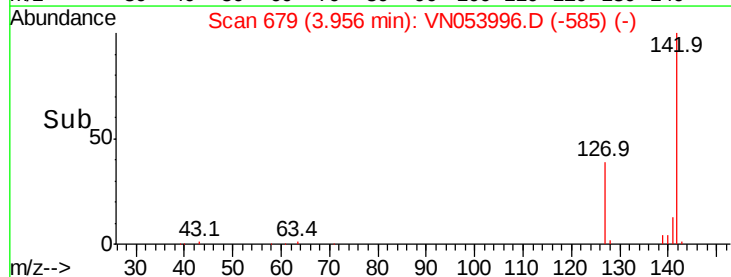
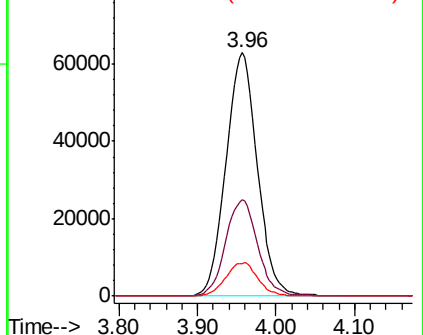
141 14.1 11.3 16.9

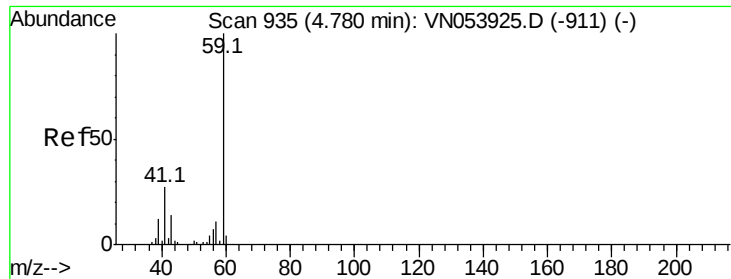


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

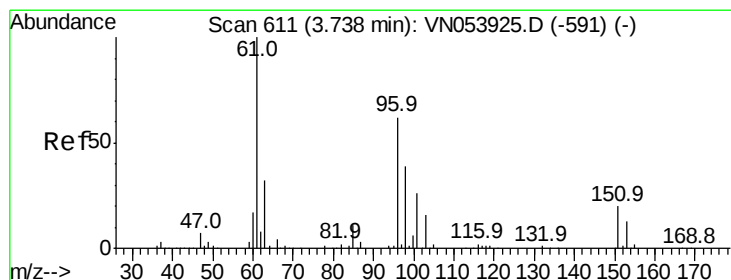
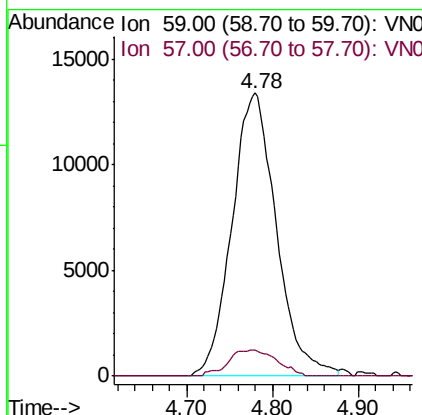
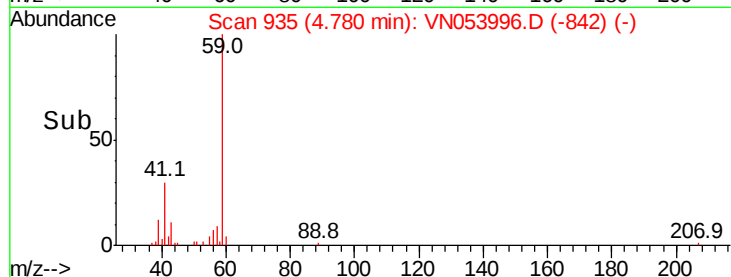
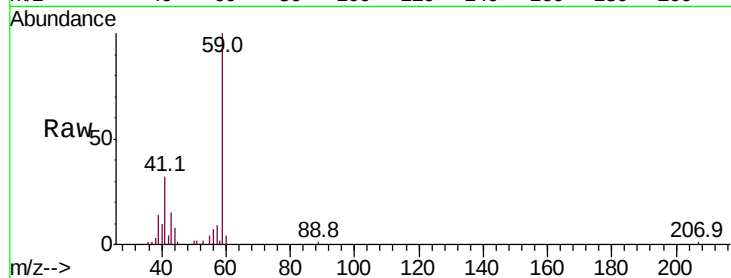




#11
Tert butyl alcohol
Concen: 104.468 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

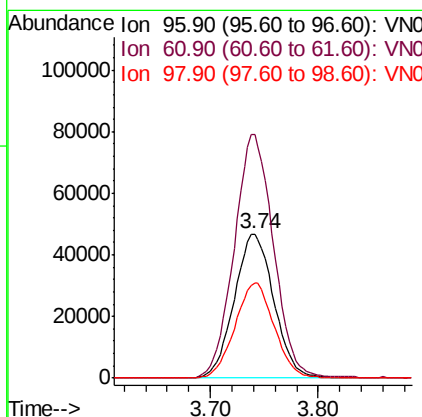
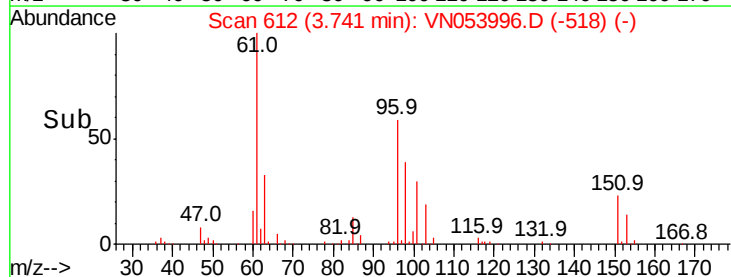
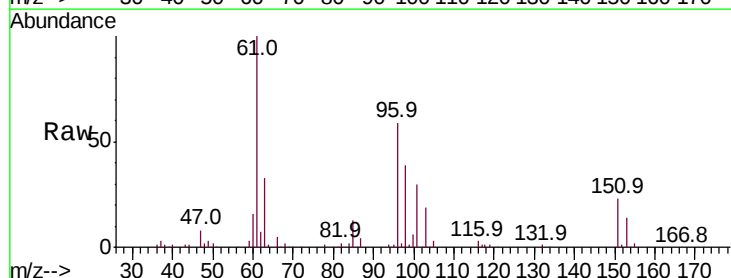
Instrument :
MSVOA_N
ClientSampled :

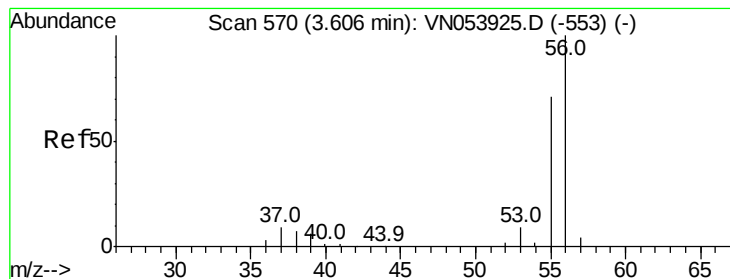
Tot Ion: 59 Resp: 48093
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 19.512 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 96 Resp: 119321
Ion Ratio Lower Upper
96 100
61 168.9 121.0 181.4
98 66.5 52.2 78.2





#13

Acrolein

Concen: 90.192 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

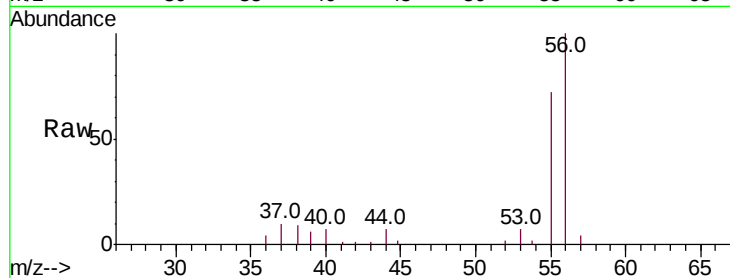
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 42988

Ion Ratio Lower Upper

56 100

55 72.0 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN053925.D (-553) (-)

20000

15000

10000

5000

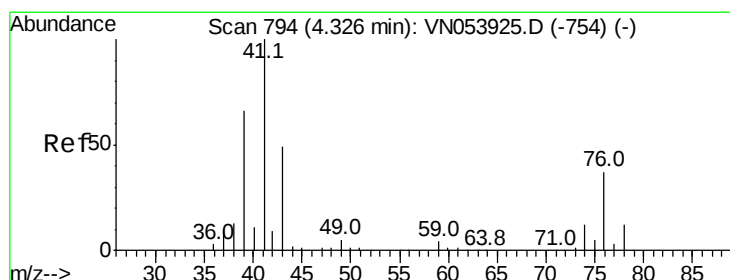
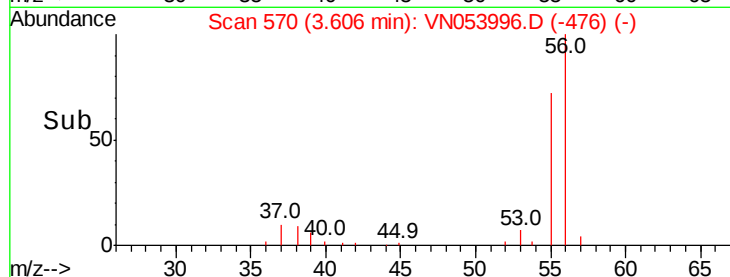
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 21.033 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

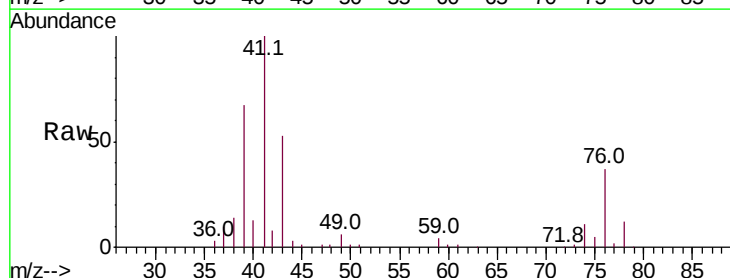
Tgt Ion: 41 Resp: 225599

Ion Ratio Lower Upper

41 100

39 63.6 48.8 73.2

76 32.7 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN053925.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN053925.D (-754) (-)

100000

80000

60000

40000

20000

0

4.10

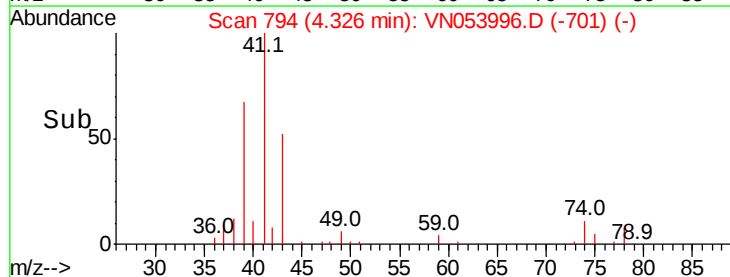
4.20

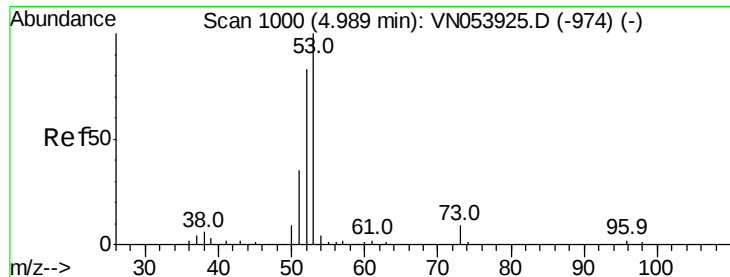
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 106.319 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

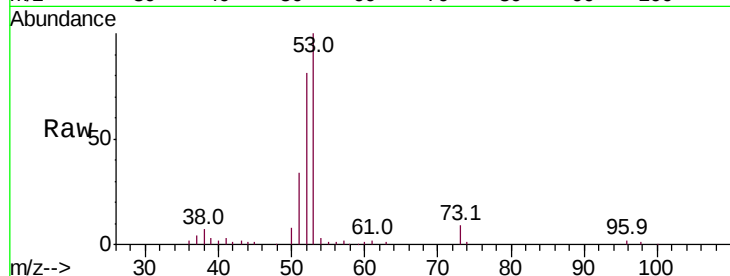
Tot Ion: 53 Resp: 257964

Ion Ratio Lower Upper

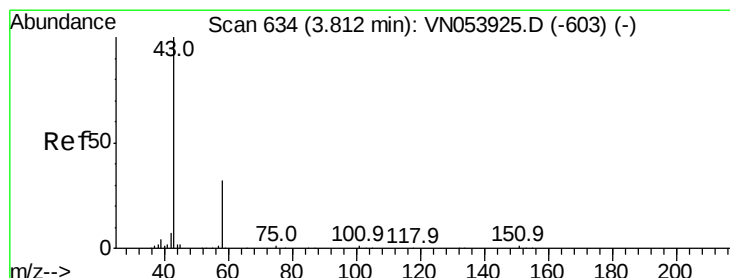
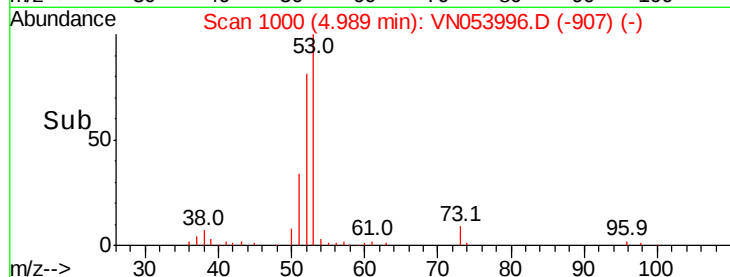
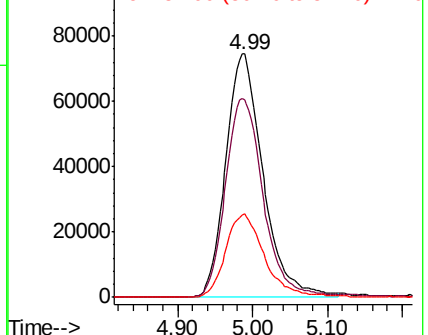
53 100

52 82.6 65.1 97.7

51 35.8 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 114.225 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053996.D

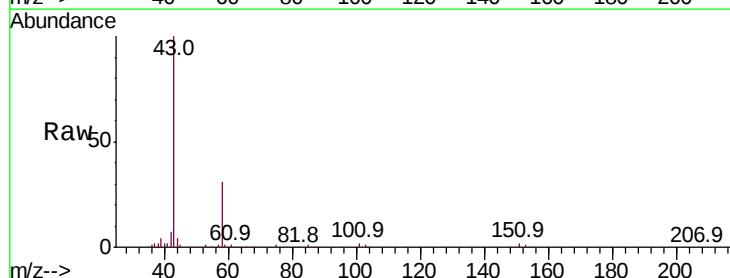
Acq: 28 Feb 2019 11:17

Tgt Ion: 43 Resp: 232269

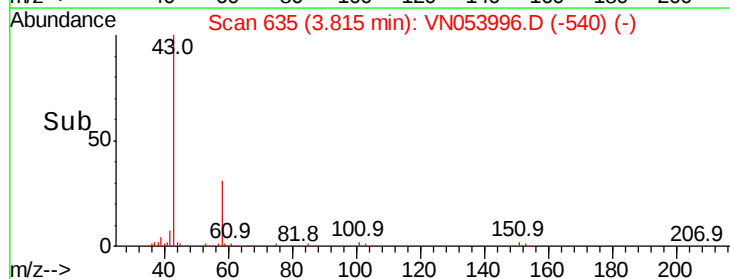
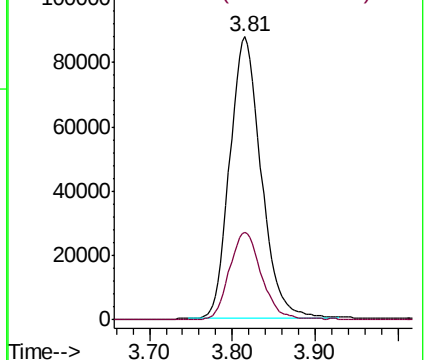
Ion Ratio Lower Upper

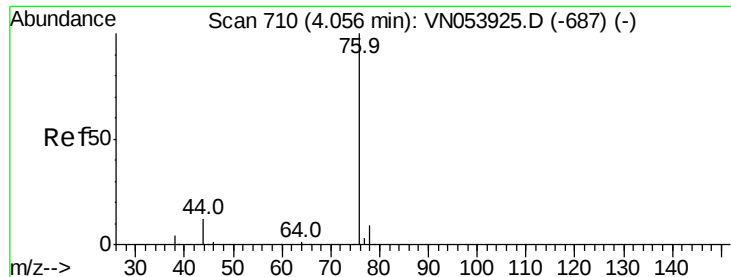
43 100

58 31.1 27.6 41.4



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

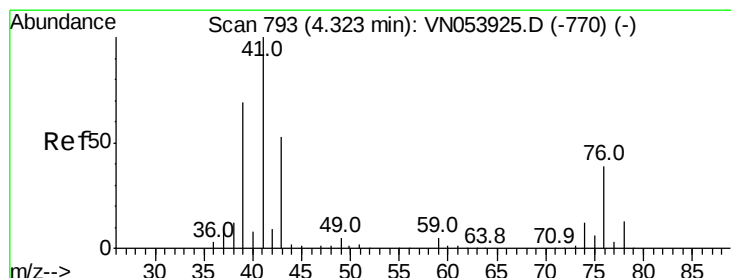
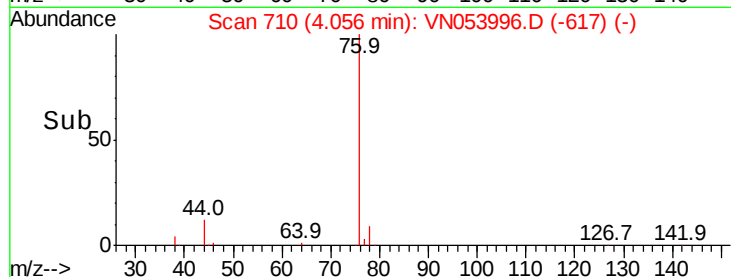
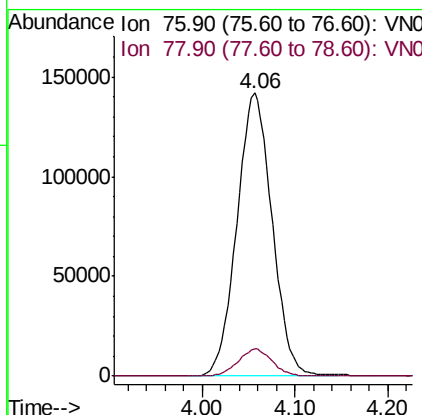
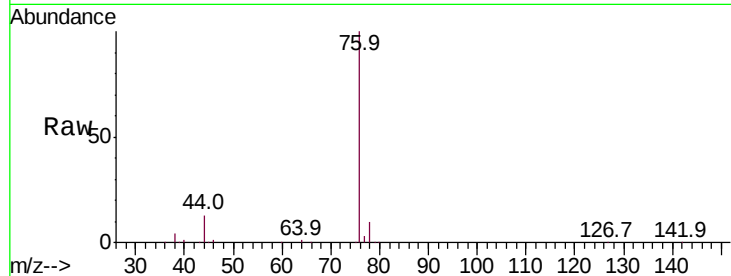




#17
Carbon Disulfide
Concen: 18.918 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

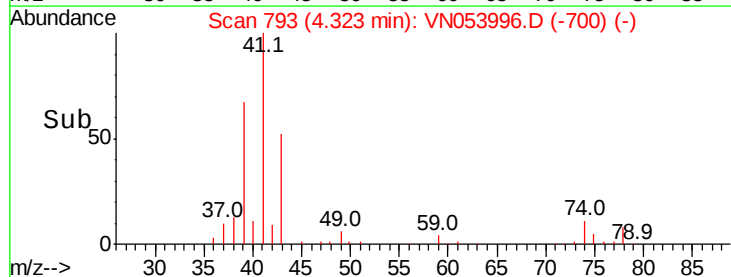
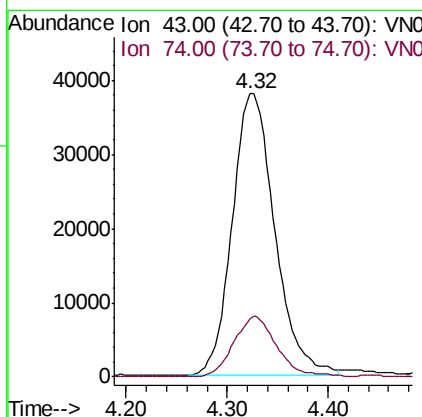
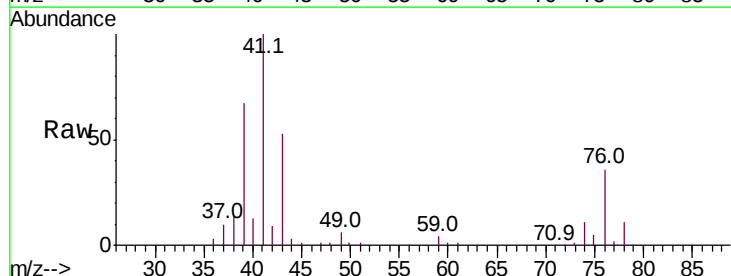
Instrument :
MSVOA_N
ClientSampleId :

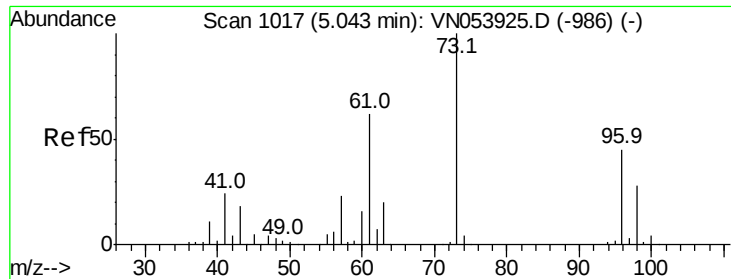
Tot Ion: 76 Resp: 373231
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3



#18
Methyl Acetate
Concen: 21.852 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 43 Resp: 110960
Ion Ratio Lower Upper
43 100
74 21.8 20.5 30.7

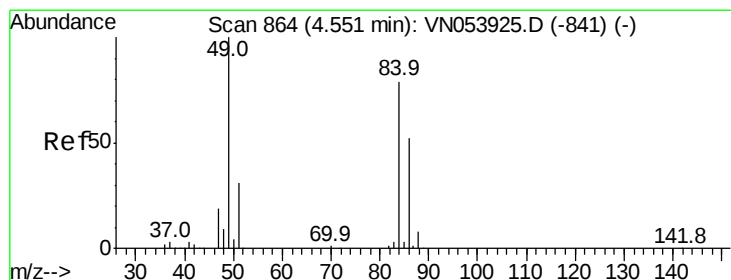
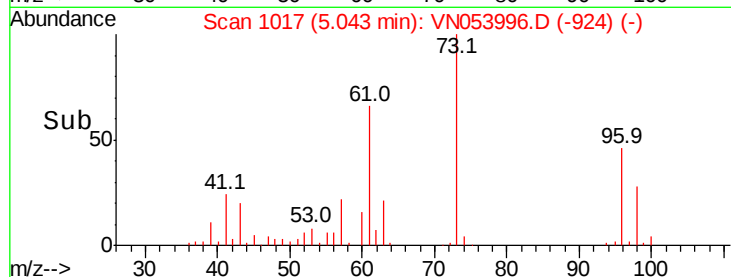
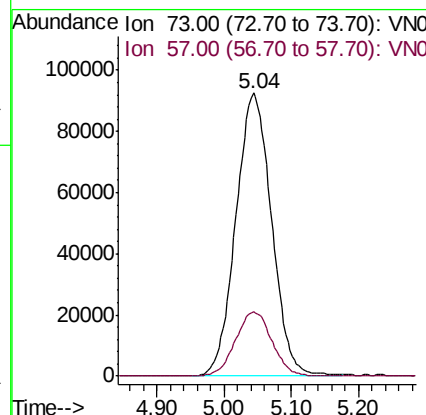
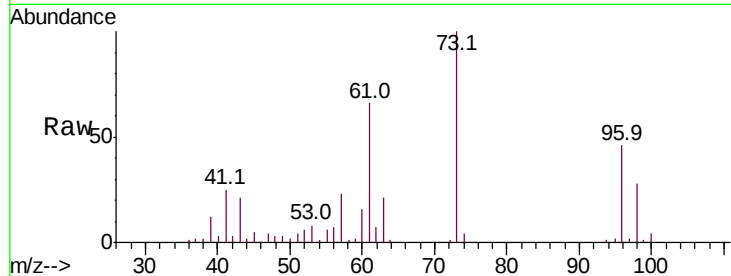




#19
Methyl tert-butyl Ether
Concen: 20.824 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

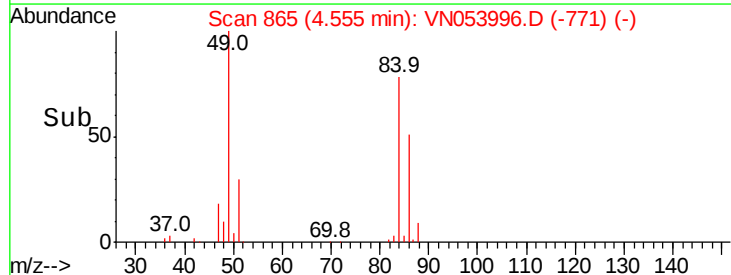
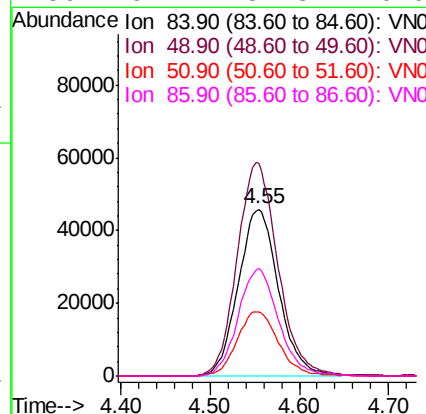
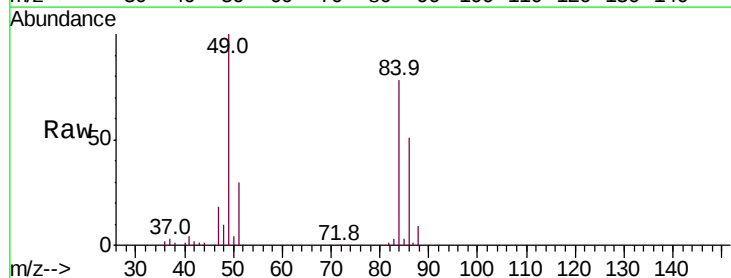
Instrument :
MSVOA_N
ClientSampled :

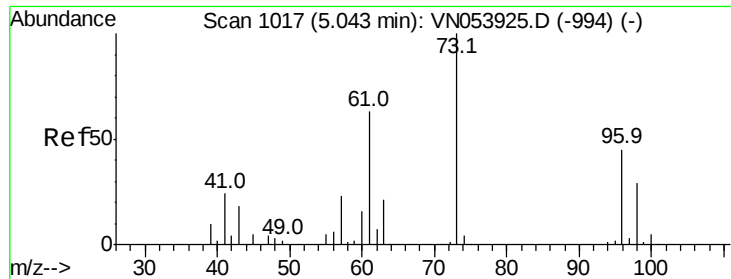
Tot Ion: 73 Resp: 341618
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 20.009 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 84 Resp: 143813
Ion Ratio Lower Upper
84 100
49 127.4 89.7 134.5
51 38.2 27.8 41.8
86 64.4 51.3 76.9

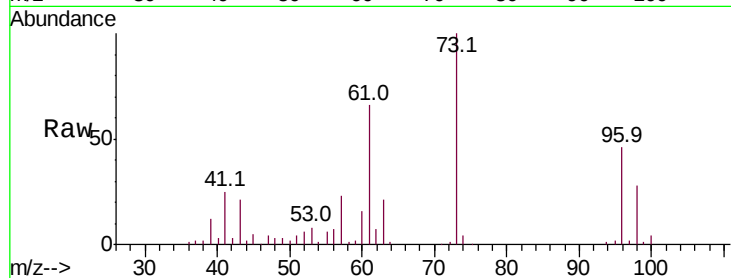




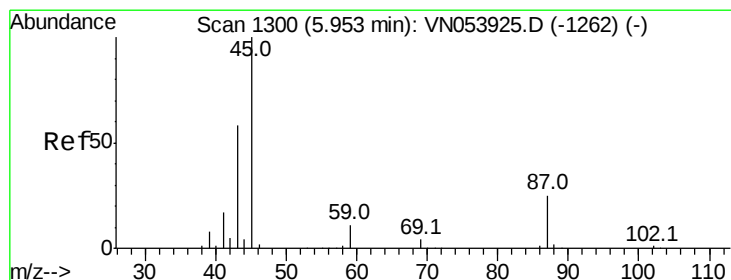
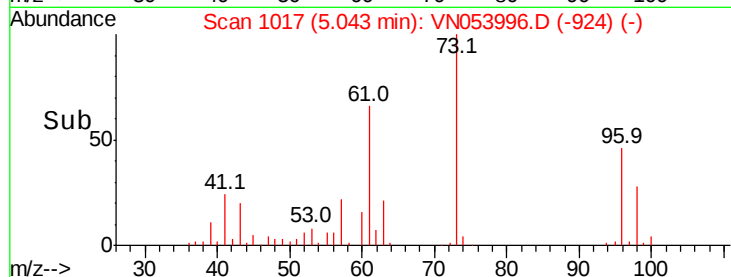
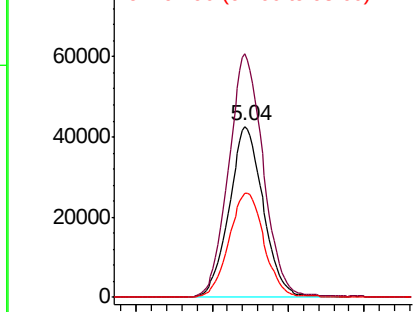
#21
trans-1,2-Dichloroethene
Concen: 20.135 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 133270
Ion Ratio Lower Upper
96 100
61 142.3 104.5 156.7
98 60.7 50.6 76.0

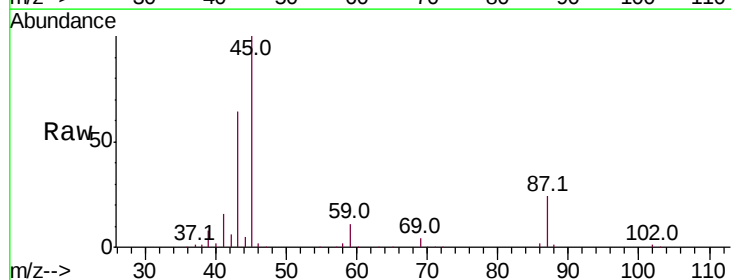


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

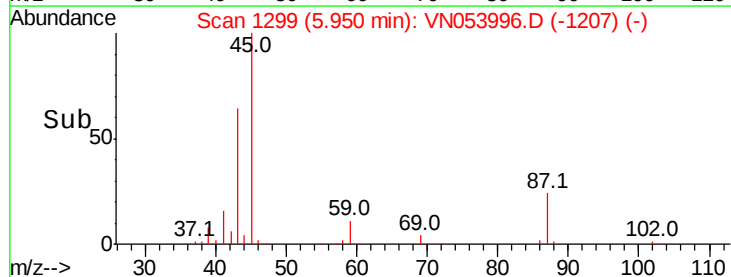
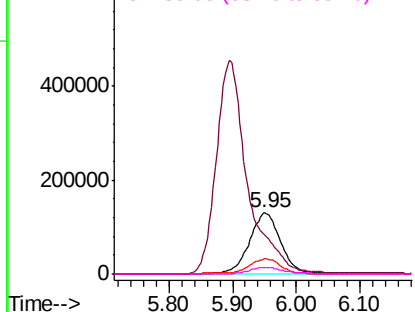


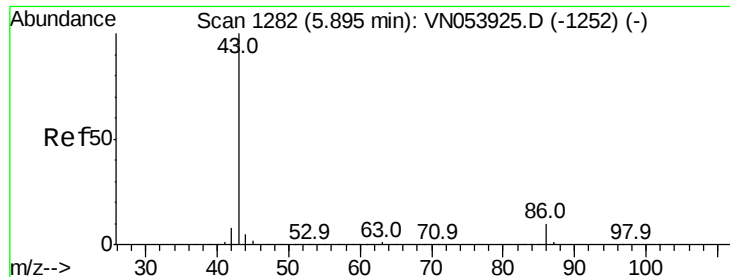
#22
Diisopropyl ether
Concen: 21.749 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 45 Resp: 450043
Ion Ratio Lower Upper
45 100
43 63.3 46.2 69.4
87 23.8 23.4 35.0
59 10.6 9.4 14.0



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





#23

Vinyl Acetate

Concen: 104.430 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

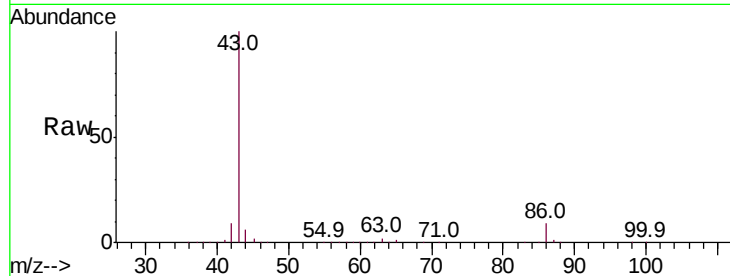
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1554517

Ion Ratio Lower Upper

43 100

86 9.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053925.D (-1252) (-)

5.90

400000

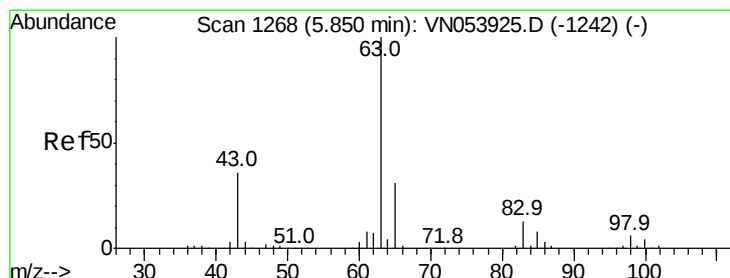
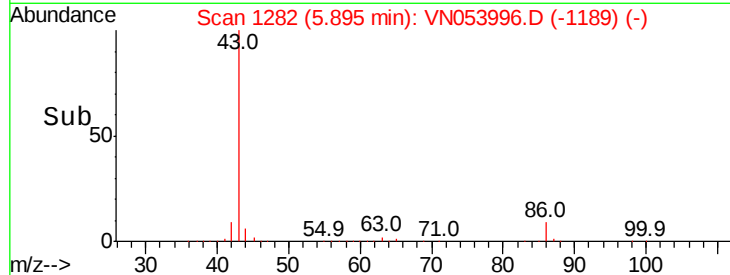
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.604 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

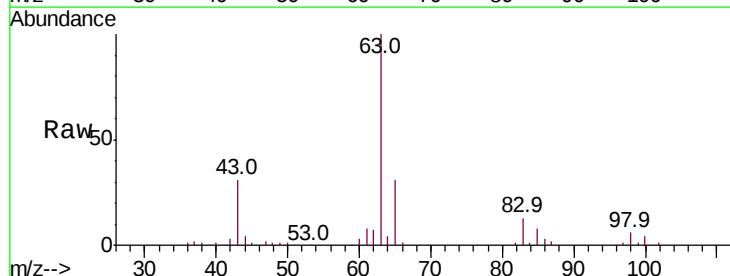
Tgt Ion: 63 Resp: 261454

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN053925.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN053925.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN053925.D (-1242) (-)

5.85

100000

80000

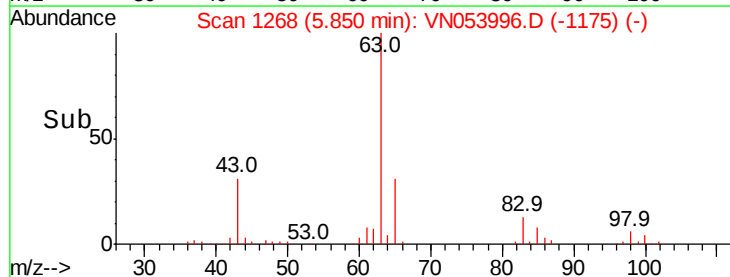
60000

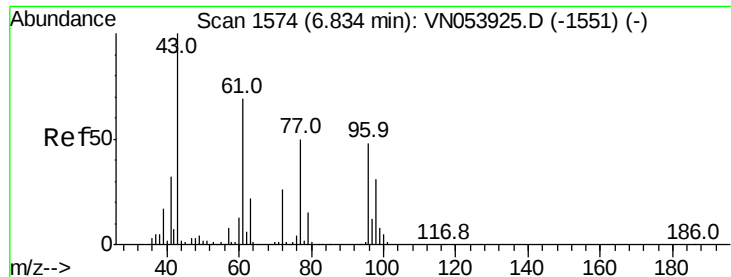
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 106.862 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

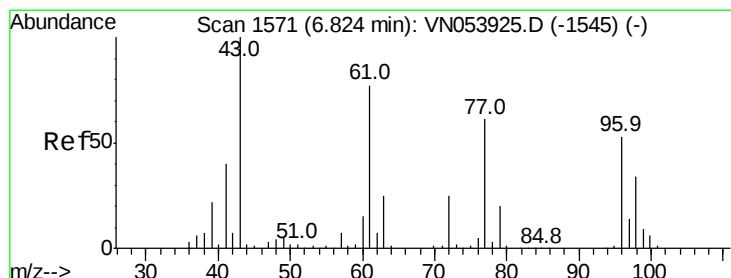
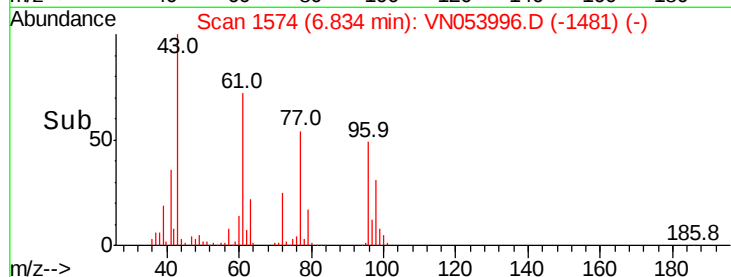
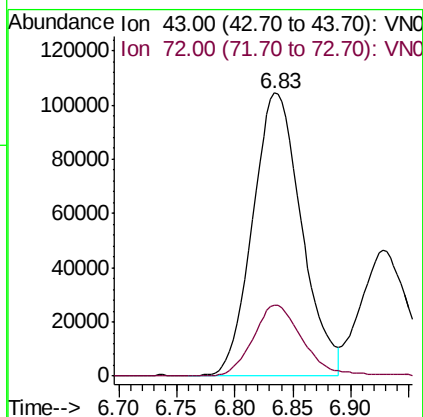
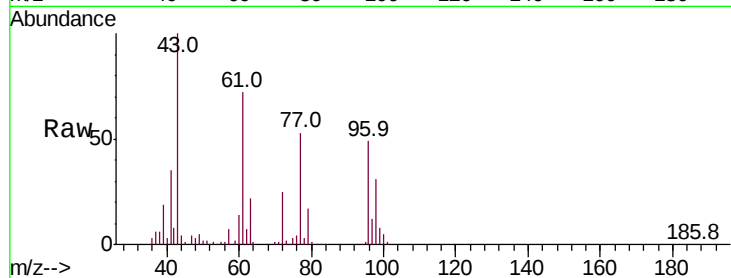
ClientSampled :

Tot Ion: 43 Resp: 304704

Ion Ratio Lower Upper

43 100

72 25.3 22.1 33.1



#26

2,2-Dichloropropane

Concen: 21.064 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053996.D

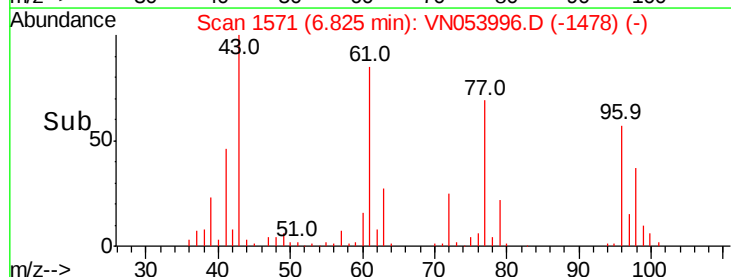
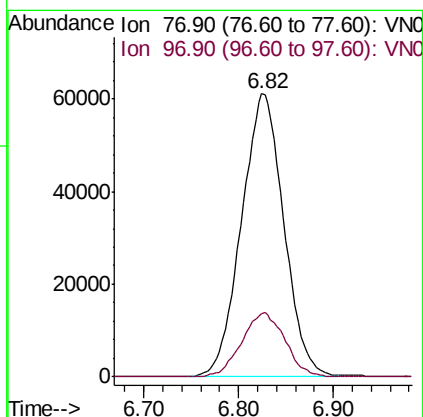
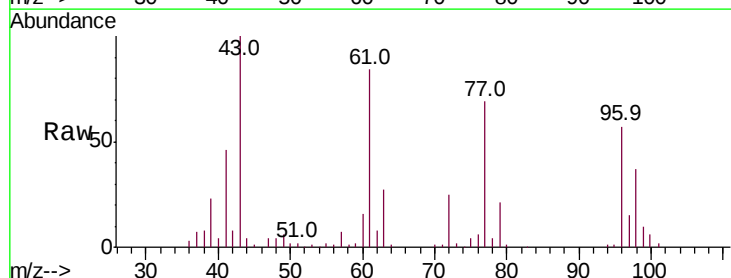
Acq: 28 Feb 2019 11:17

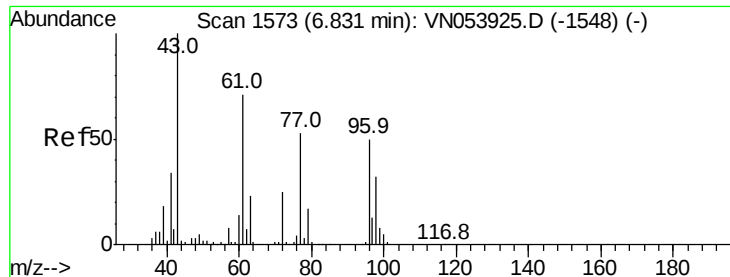
Tgt Ion: 77 Resp: 189902

Ion Ratio Lower Upper

77 100

97 23.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.737 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

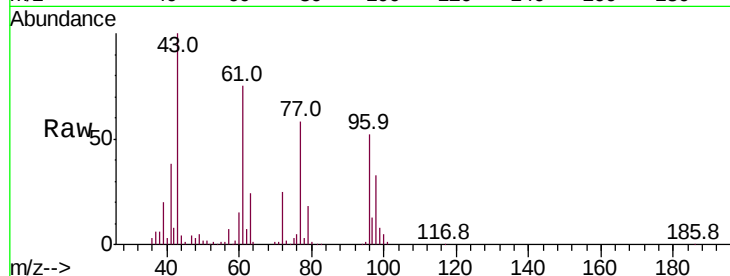
Tot Ion: 96 Resp: 152643

Ion Ratio Lower Upper

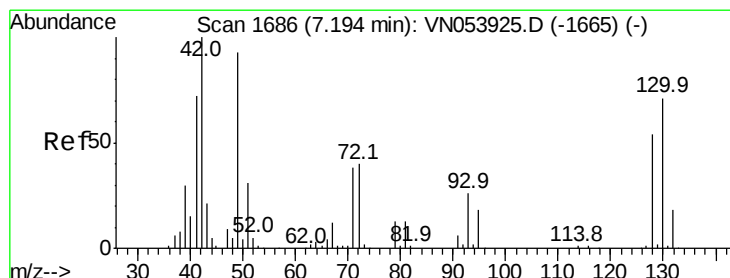
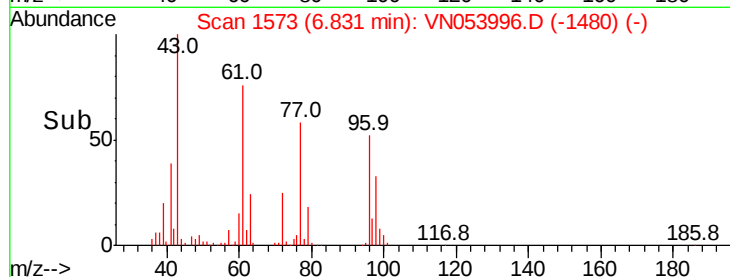
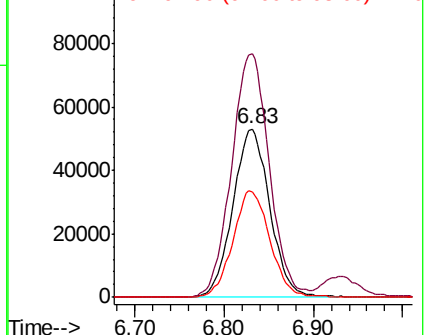
96 100

61 147.7 0.0 275.6

98 63.1 0.0 130.0



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



#28

Bromochloromethane

Concen: 22.424 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

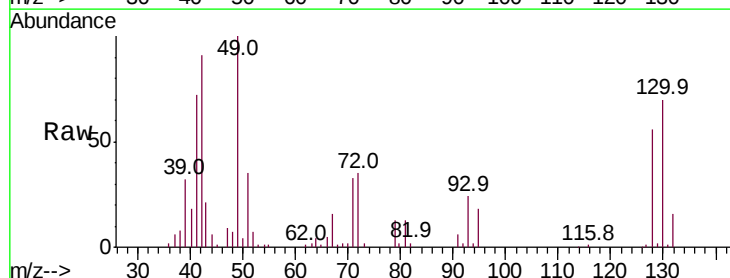
Tgt Ion: 49 Resp: 130245

Ion Ratio Lower Upper

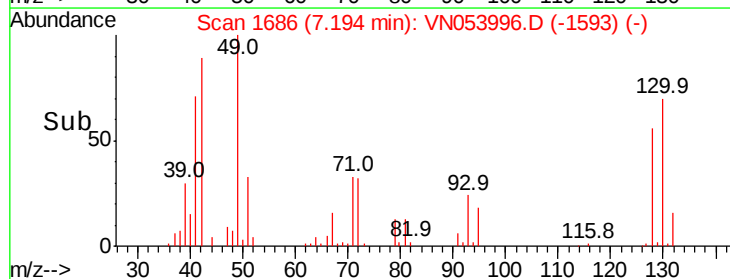
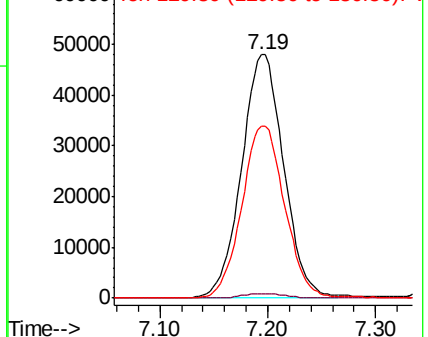
49 100

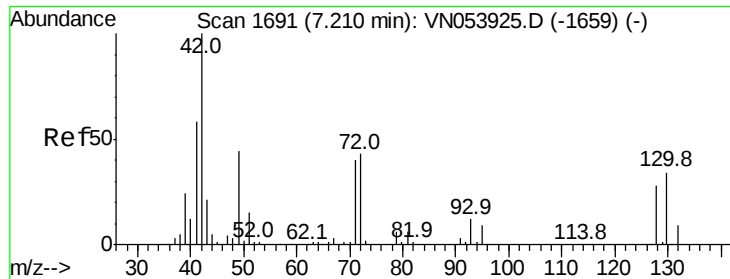
129 1.8 0.0 4.6

130 71.9 72.9 109.3#



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

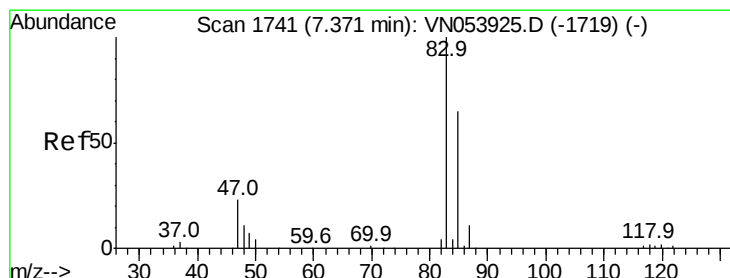
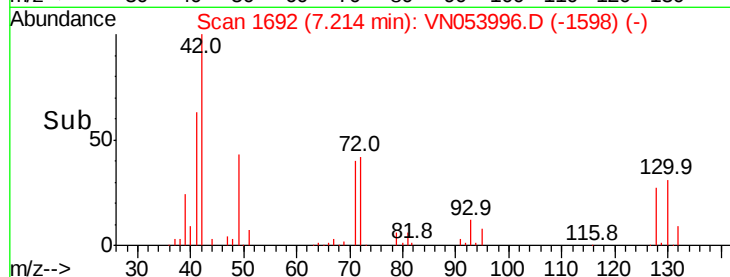
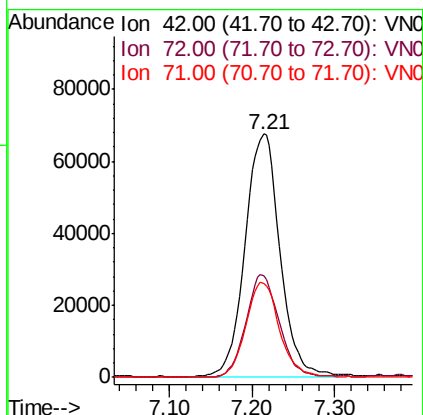
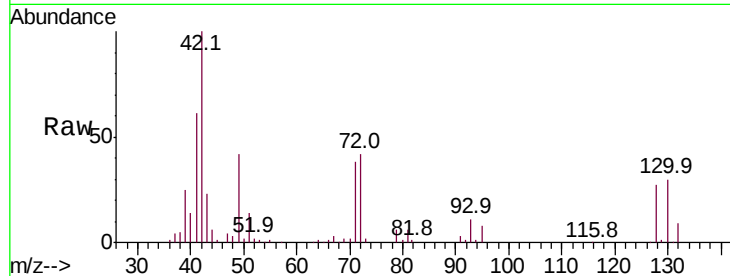




#29
Tetrahydrofuran
Concen: 103.593 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

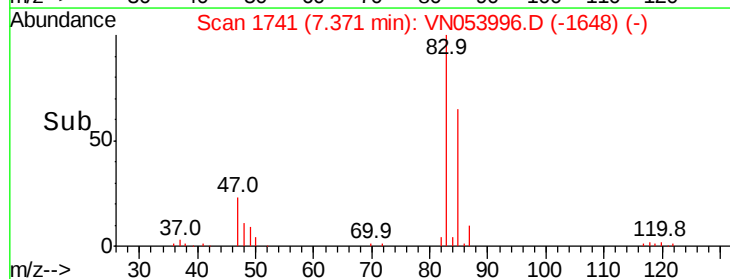
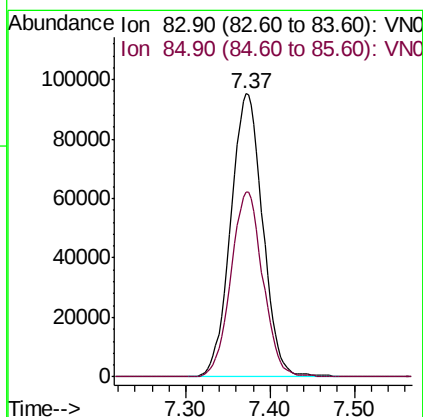
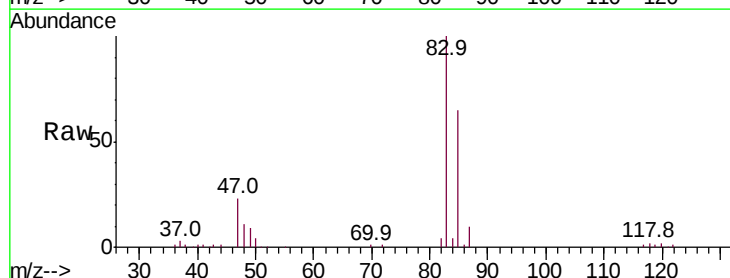
Instrument :
MSVOA_N
ClientSampled :

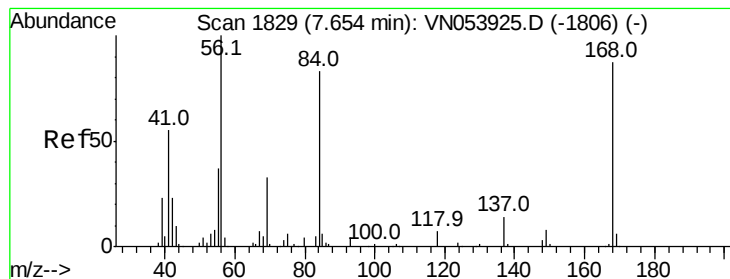
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	36.9	55.3
71	37.9	34.6	52.0



#30
Chloroform
Concen: 20.416 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	78.8





#31

Cyclohexane

Concen: 21.055 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

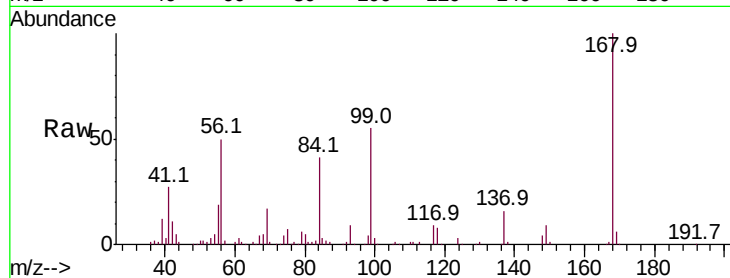
Tot Ion: 56 Resp: 247261

Ion Ratio Lower Upper

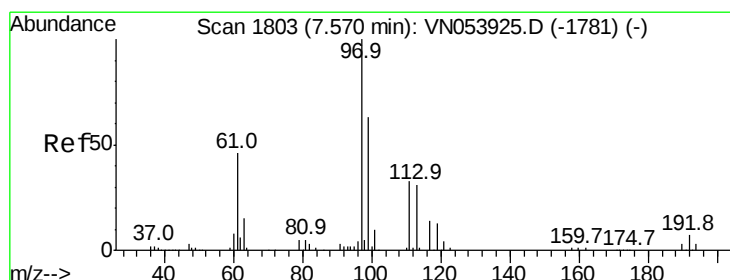
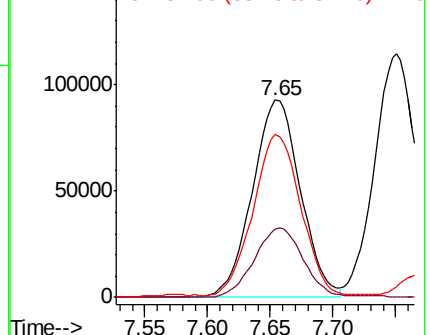
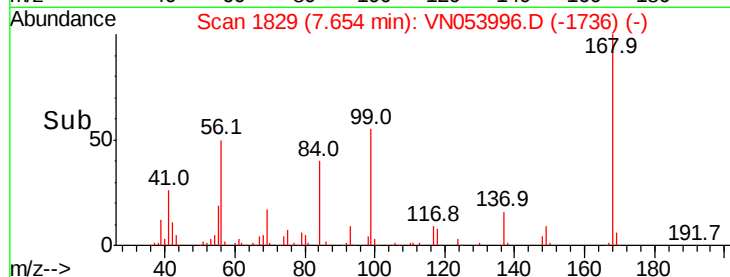
56 100

69 34.7 26.0 39.0

84 81.6 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 20.531 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

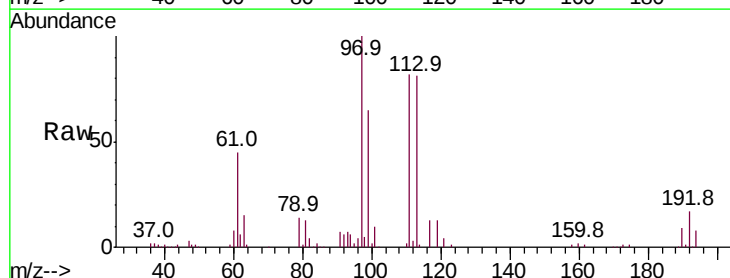
Tgt Ion: 97 Resp: 208291

Ion Ratio Lower Upper

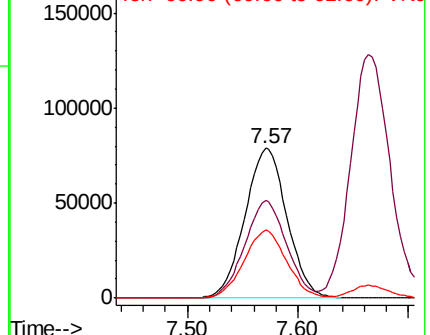
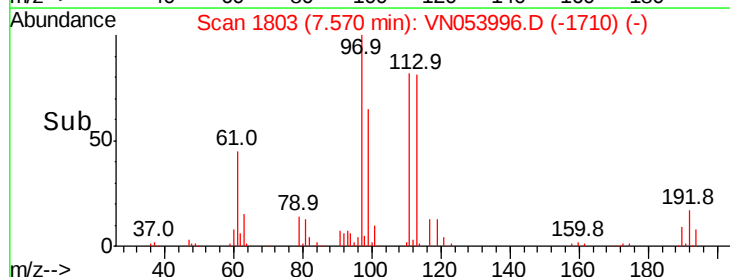
97 100

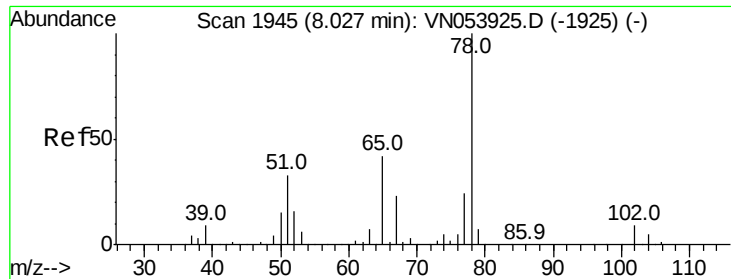
99 64.9 51.8 77.8

61 45.9 33.2 49.8



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

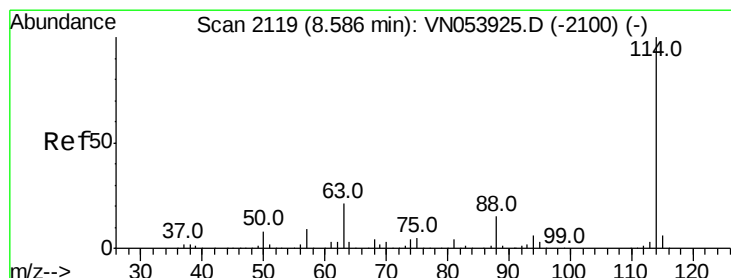
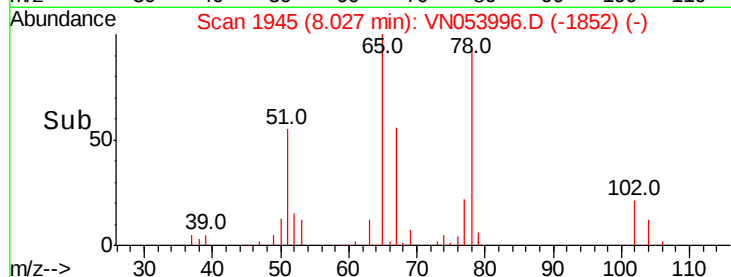
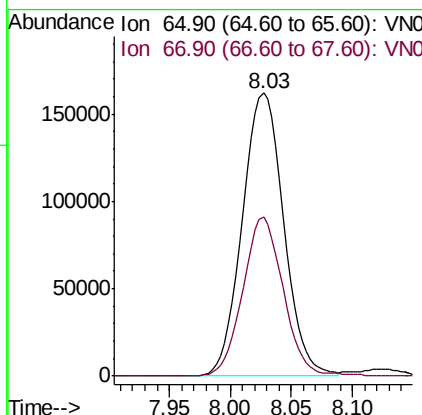
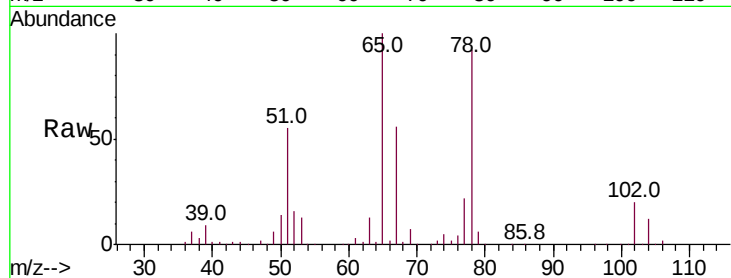




#33
 1,2-Dichloroethane-d4
 Concen: 52.503 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

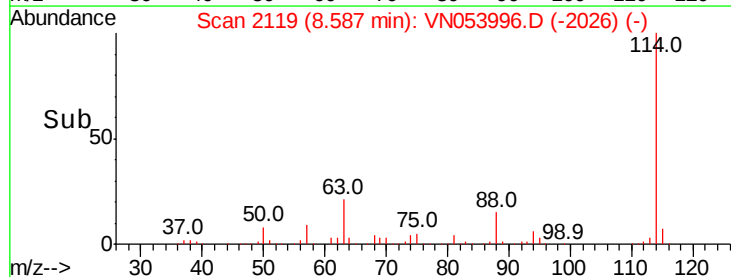
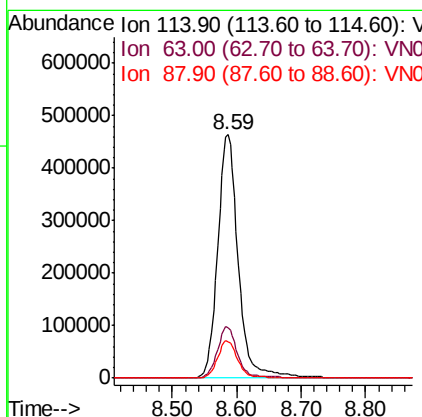
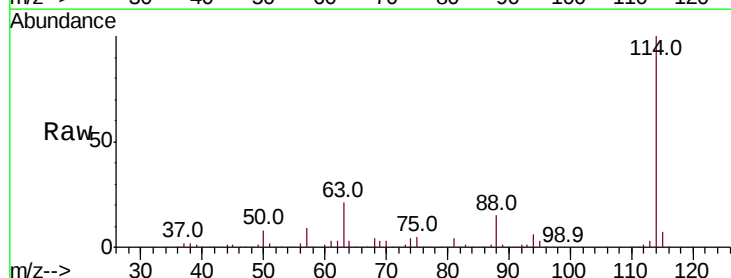
Instrument :
 MSVOA_N
 ClientSampleId :

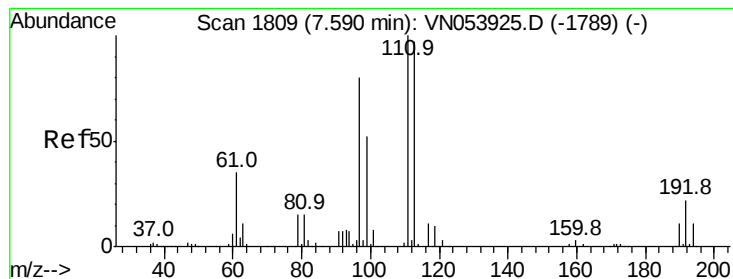
Tot Ion: 65 Resp: 381269
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

Tgt Ion: 114 Resp: 1032303
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.784 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

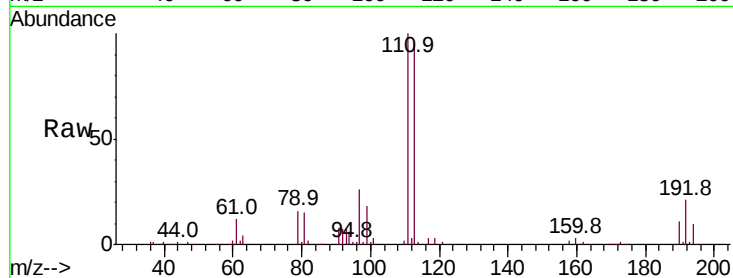
Tot Ion:113 Resp: 332329

Ion Ratio Lower Upper

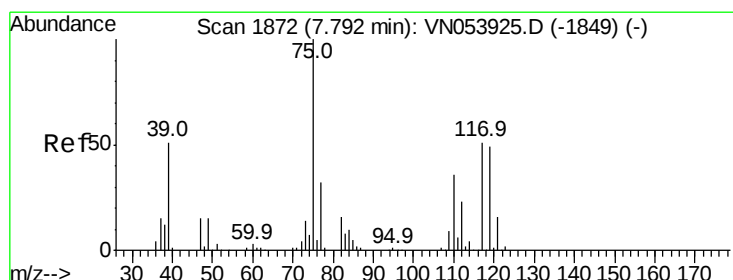
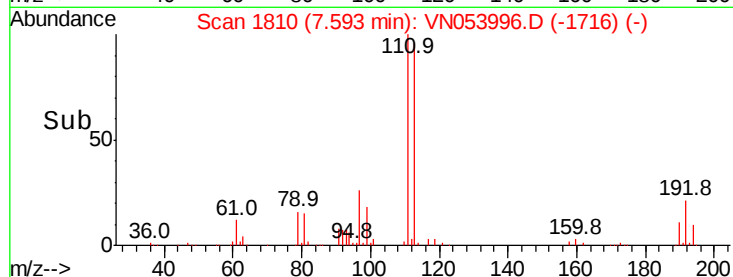
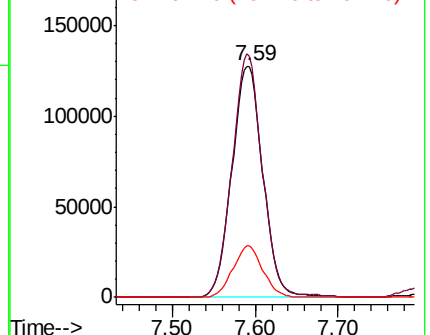
113 100

111 101.8 81.1 121.7

192 21.6 18.8 28.2



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



#36

1,1-Dichloropropene

Concen: 19.961 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

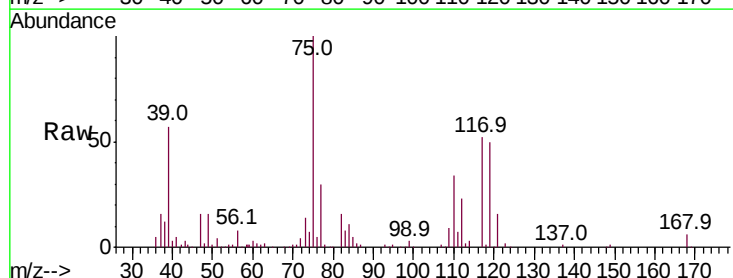
Tgt Ion: 75 Resp: 191625

Ion Ratio Lower Upper

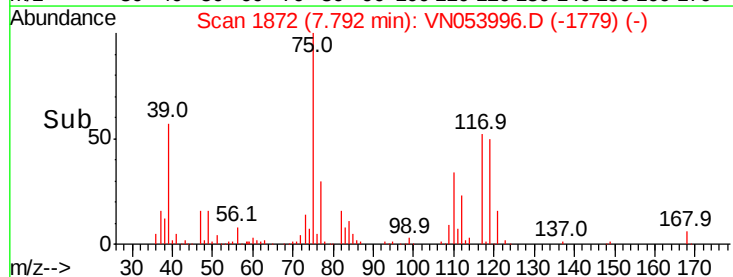
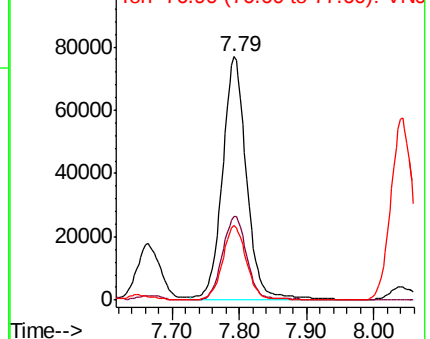
75 100

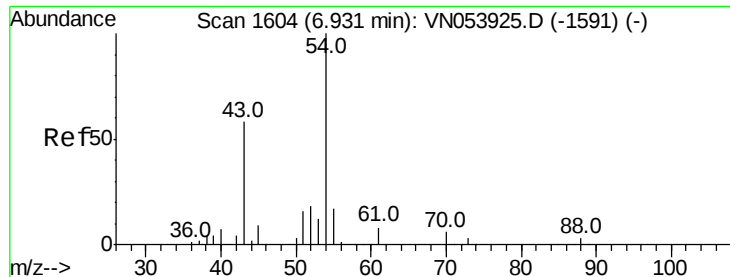
110 34.5 19.0 57.0

77 30.0 25.4 38.0



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

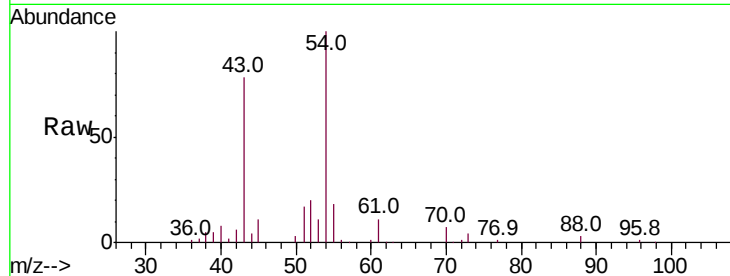




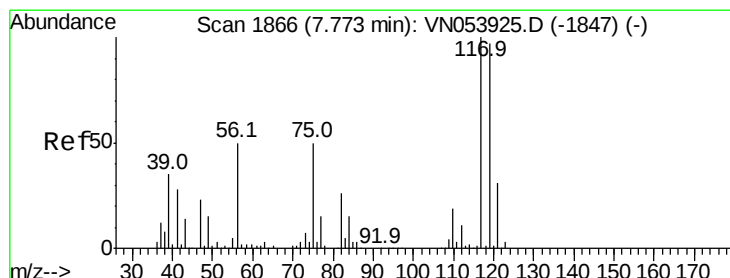
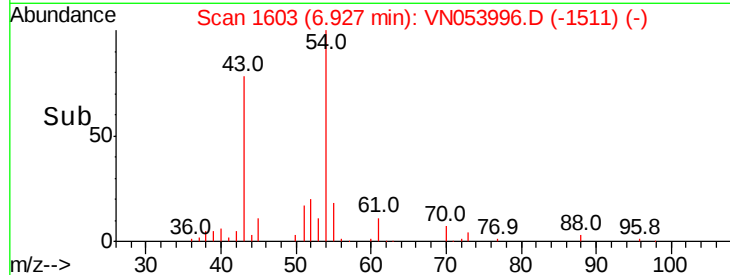
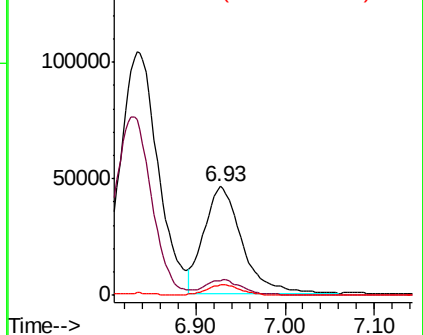
#37
Ethyl Acetate
Concen: 19.899 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 136406
Ion Ratio Lower Upper
43 100
61 13.7 12.0 18.0
70 9.2 8.7 13.1

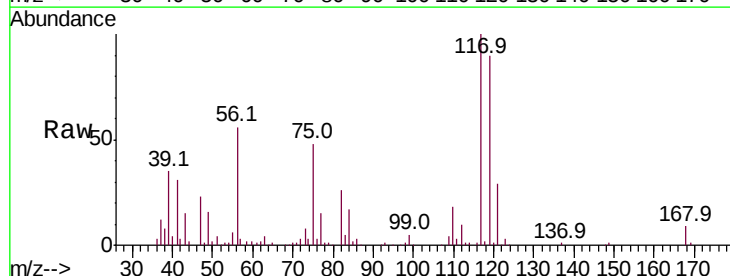


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

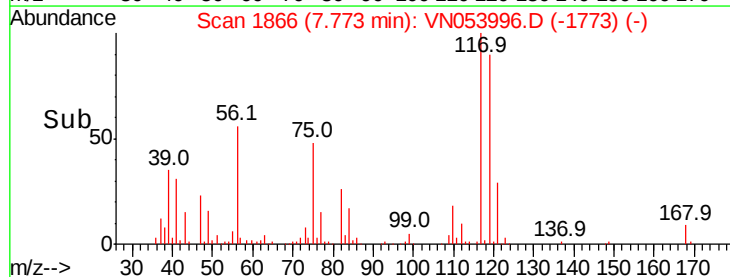
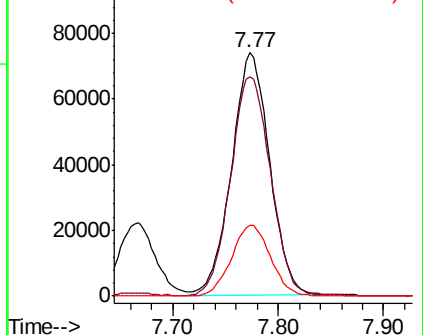


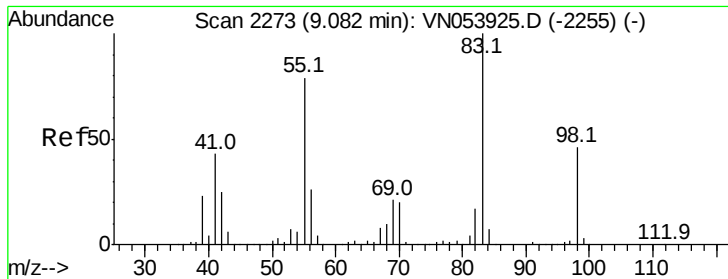
#38
Carbon Tetrachloride
Concen: 18.484 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 117 Resp: 184554
Ion Ratio Lower Upper
117 100
119 90.2 76.2 114.2
121 29.2 24.6 36.8



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

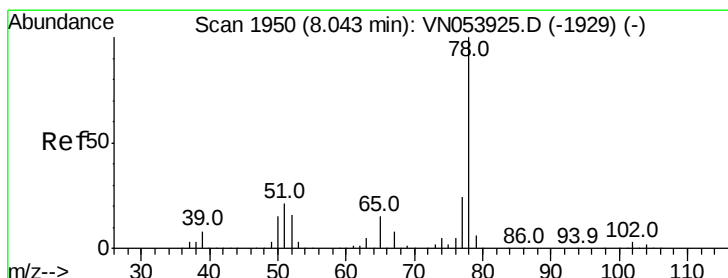
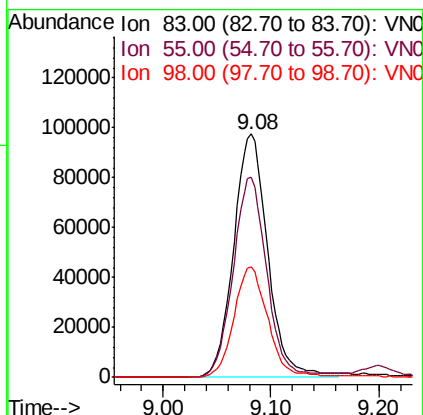
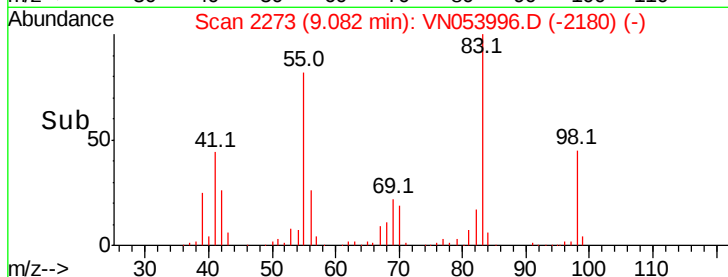
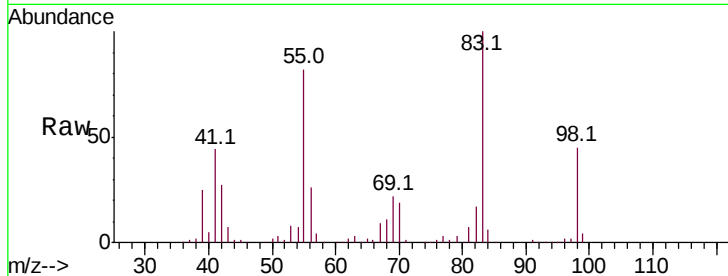




#39
Methvlcvclohexane
Concen: 18.617 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

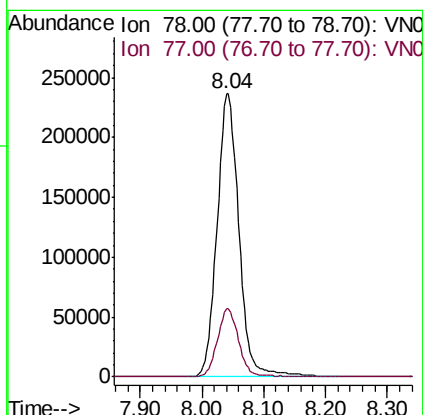
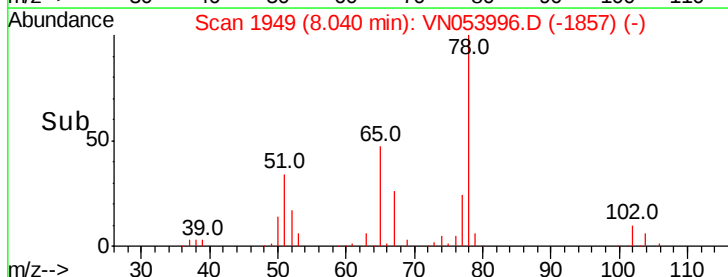
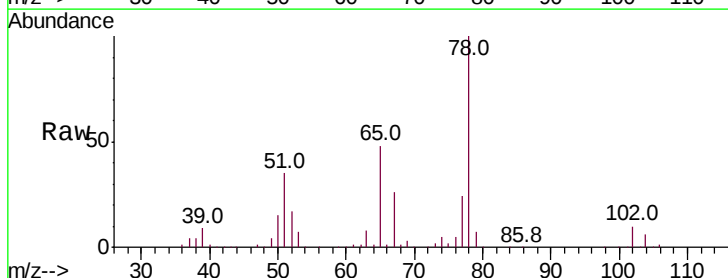
Instrument :
MSVOA_N
ClientSampleId :

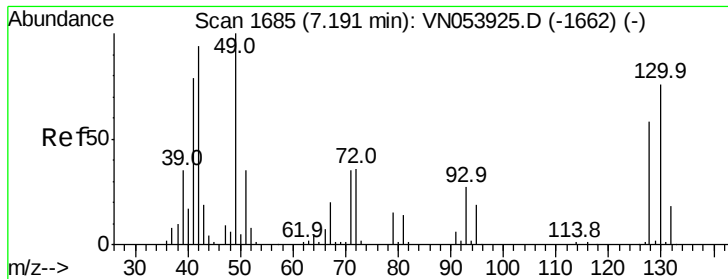
Tot Ion: 83 Resp: 215414
Ion Ratio Lower Upper
83 100
55 82.1 58.2 87.4
98 45.5 37.2 55.8



#40
Benzene
Concen: 19.694 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 78 Resp: 580813
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2





#41

Methacrylonitrile

Concen: 13.593 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 59997

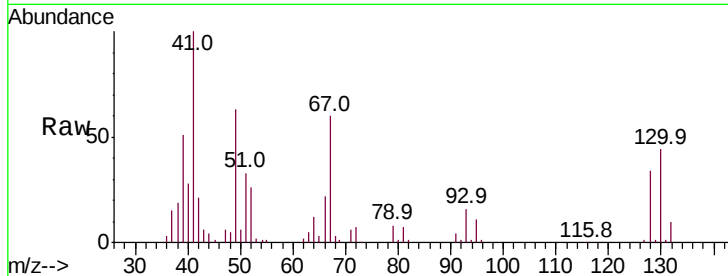
Ion Ratio Lower Upper

41 100

39 63.9 0.0 0.0#

67 93.8 0.0 0.0#

52 40.0 0.0 0.0#

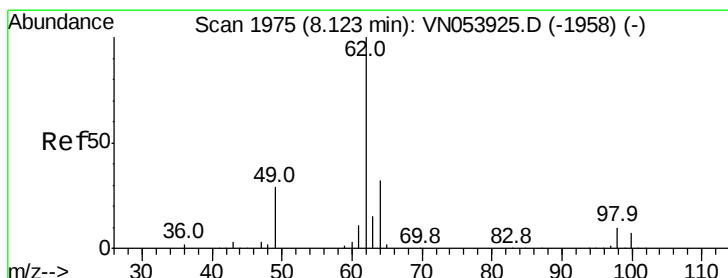
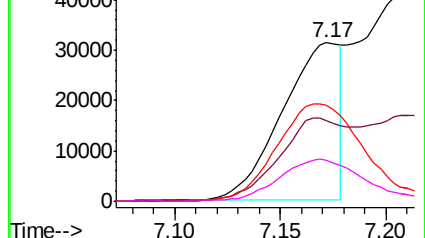
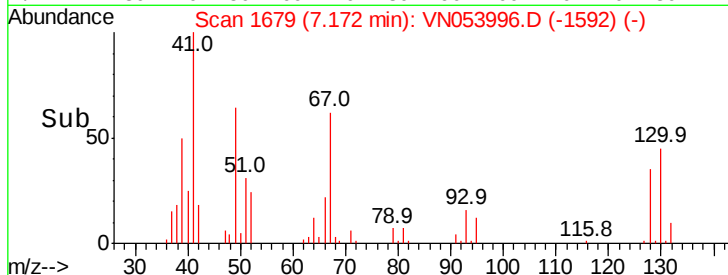


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.098 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053996.D

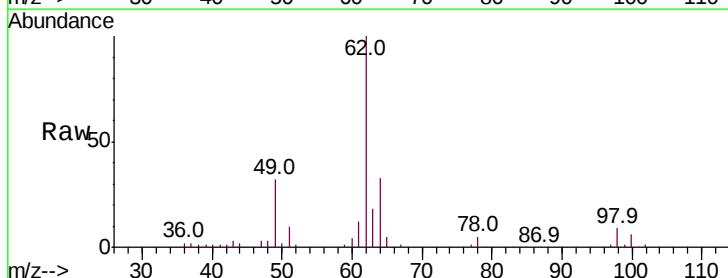
Acq: 28 Feb 2019 11:17

Tgt Ion: 62 Resp: 183501

Ion Ratio Lower Upper

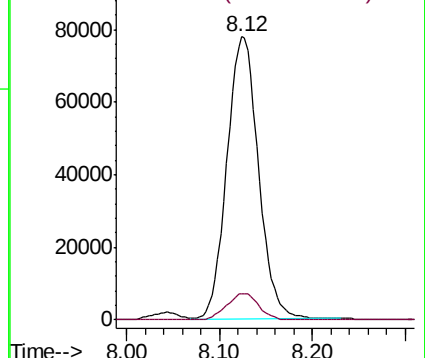
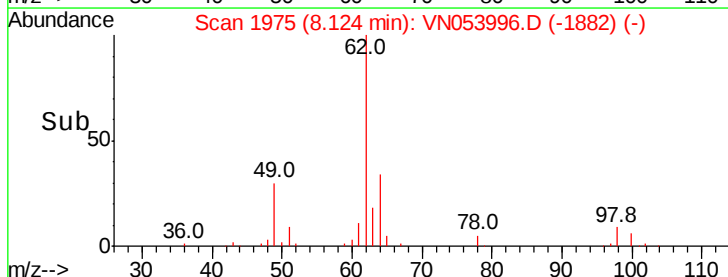
62 100

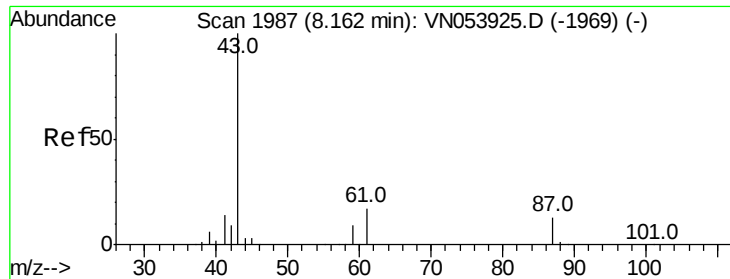
98 9.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.882 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

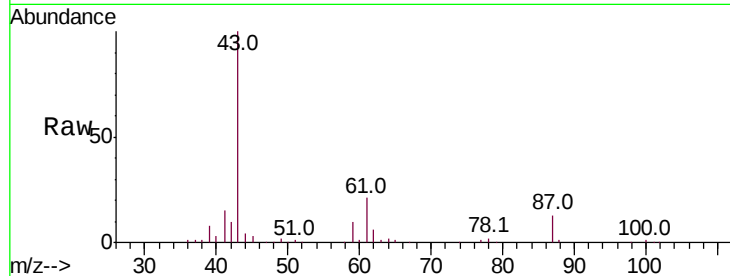
Tot Ion: 43 Resp: 230107

Ion Ratio Lower Upper

43 100

61 26.5 17.4 26.0#

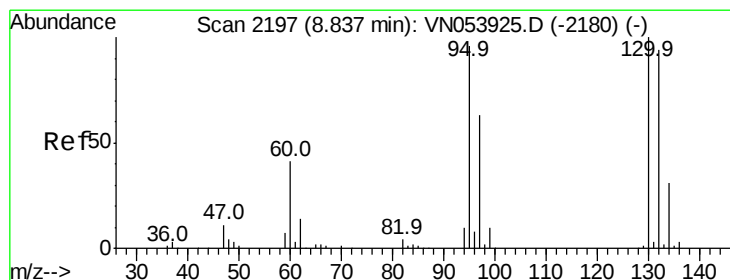
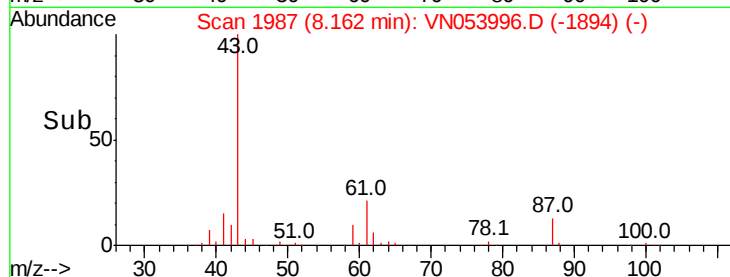
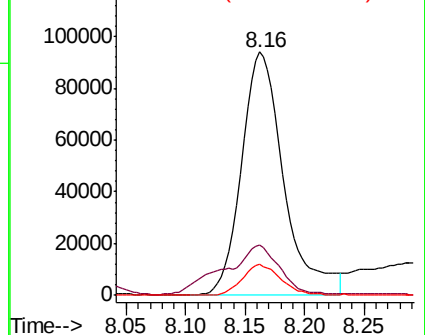
87 11.7 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#44

Trichloroethene

Concen: 19.026 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053996.D

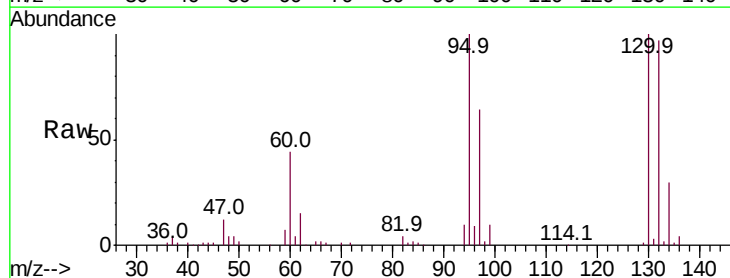
Acq: 28 Feb 2019 11:17

Tgt Ion:130 Resp: 148753

Ion Ratio Lower Upper

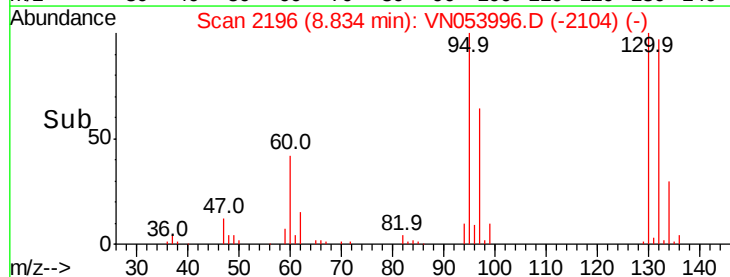
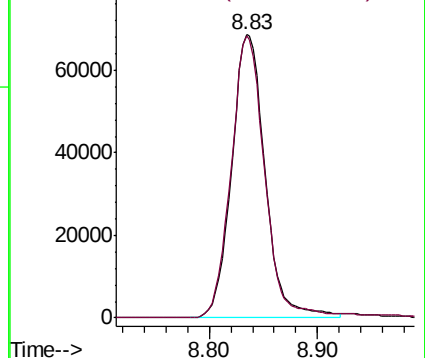
130 100

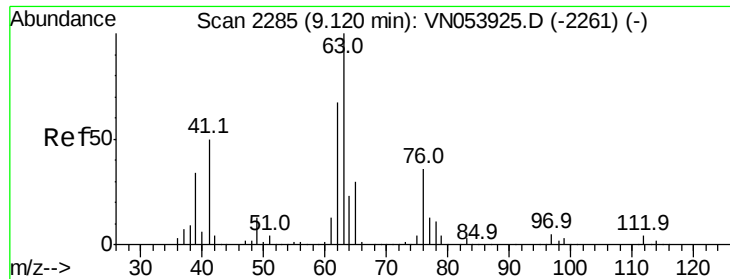
95 99.6 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 20.035 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

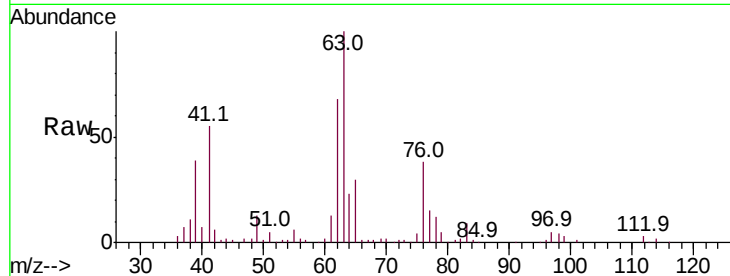
ClientSampleId :

Tot Ion: 63 Resp: 159415

Ion Ratio Lower Upper

63 100

65 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN053925.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN053925.D (-2261) (-)

9.12

80000

60000

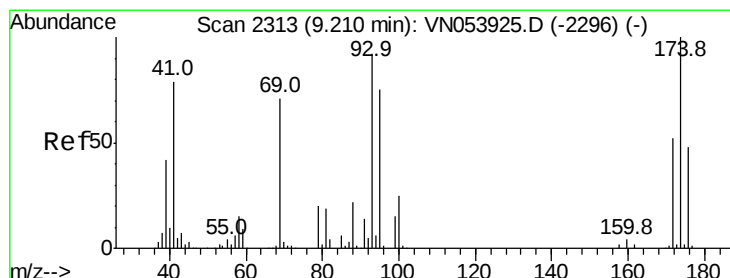
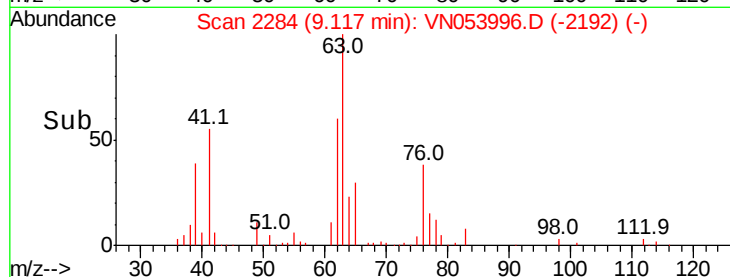
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.724 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

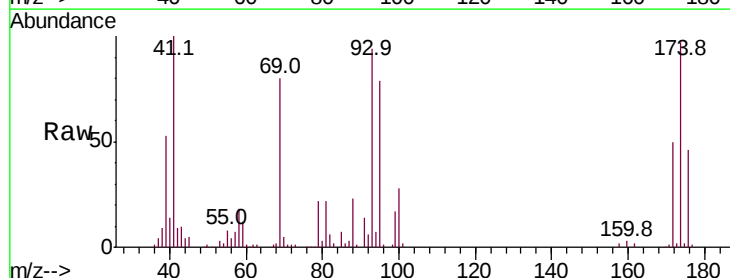
Tgt Ion: 93 Resp: 91111

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

174 104.9 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN053925.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN053925.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN053925.D (-2296) (-)

9.21

60000

50000

40000

30000

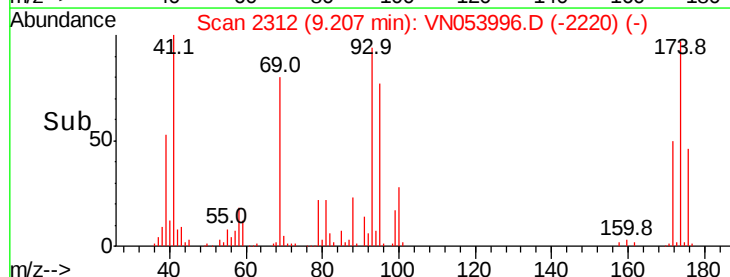
20000

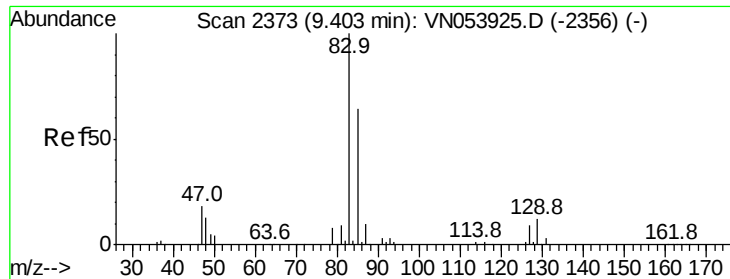
10000

0

Time-->

9.10 9.20 9.30

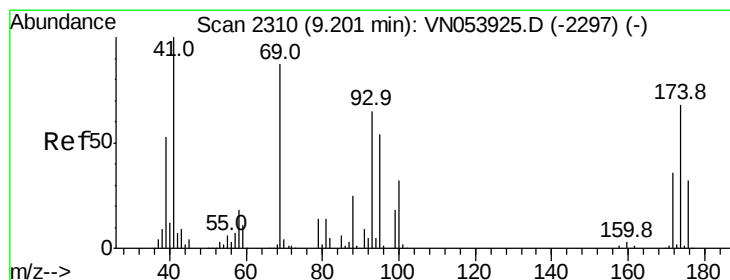
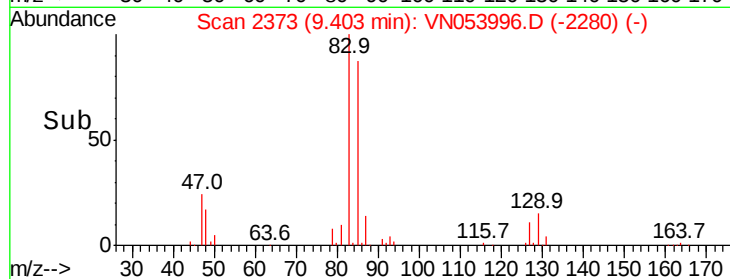
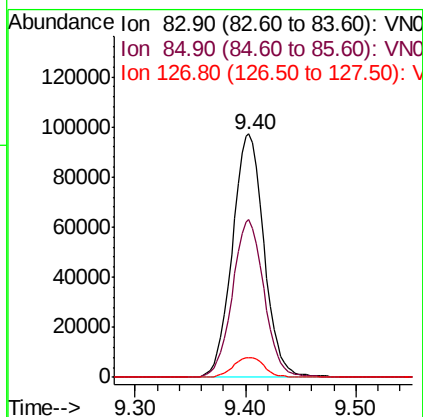
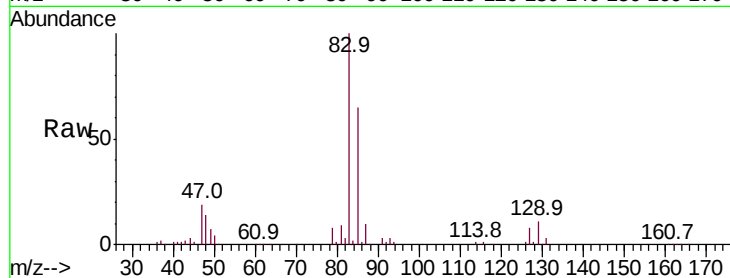




#47
Bromodichloromethane
Concen: 19.859 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

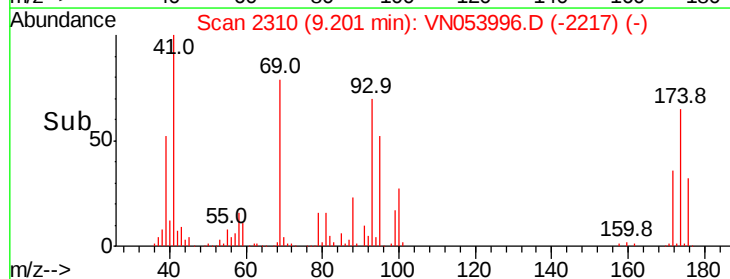
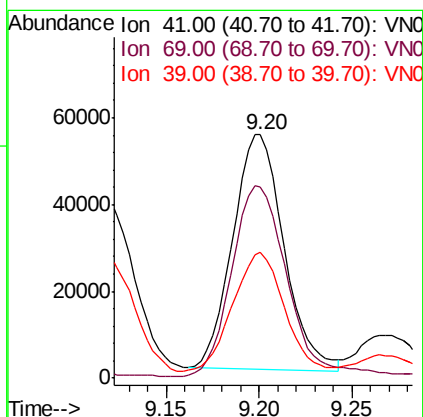
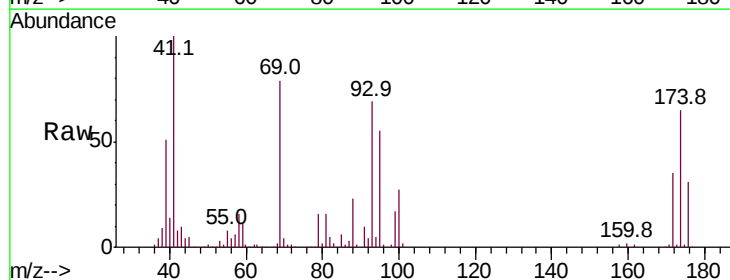
Instrument :
MSVOA_N
ClientSampleId :

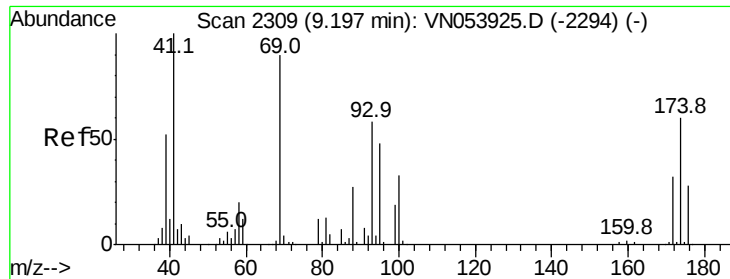
Tot Ion: 83 Resp: 193322
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6
127 8.2 7.4 11.0



#48
Methyl methacrylate
Concen: 19.527 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 41 Resp: 103956
Ion Ratio Lower Upper
41 100
69 88.3 74.8 112.2
39 56.8 39.0 58.6





#49

1,4-Dioxane

Concen: 394.691 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

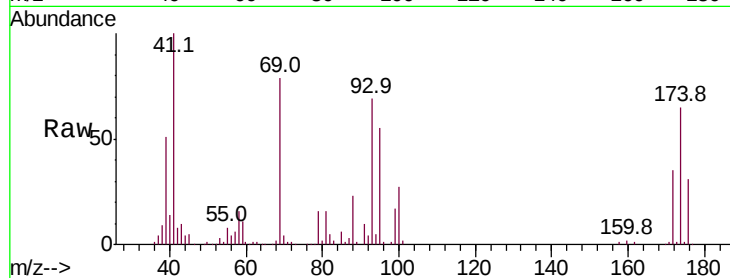
Tot Ion: 88 Resp: 28459

Ion Ratio Lower Upper

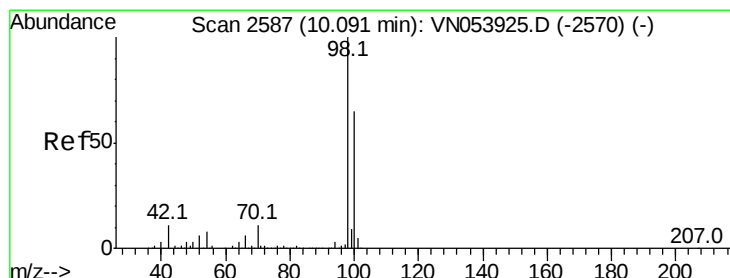
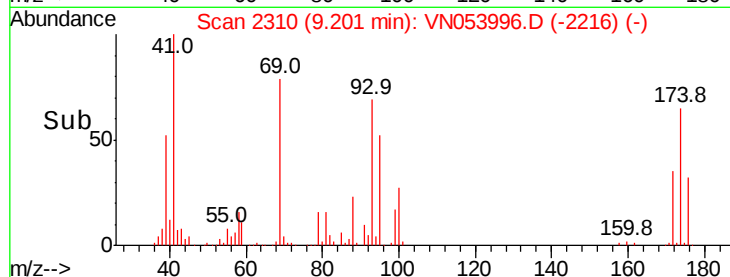
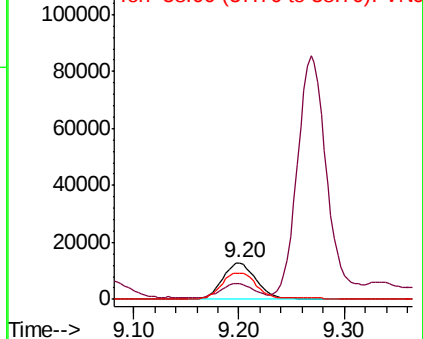
88 100

43 37.4 21.2 31.8#

58 74.4 54.2 81.2



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



#50

Toluene-d8

Concen: 49.038 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053996.D

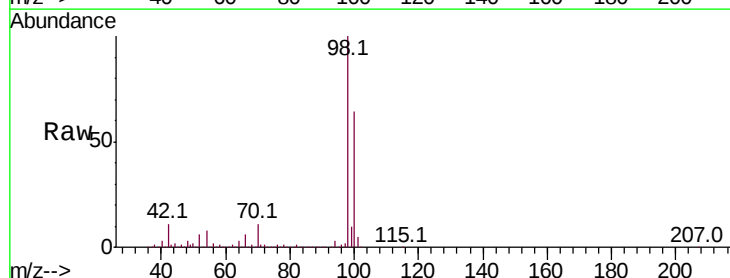
Acq: 28 Feb 2019 11:17

Tgt Ion: 98 Resp: 1218579

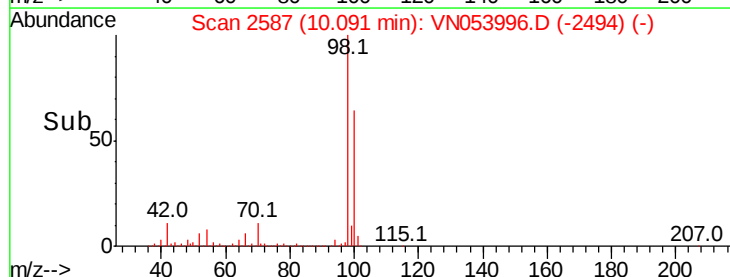
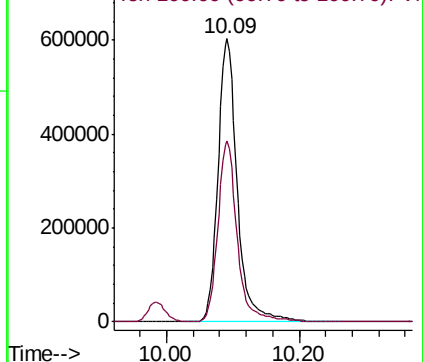
Ion Ratio Lower Upper

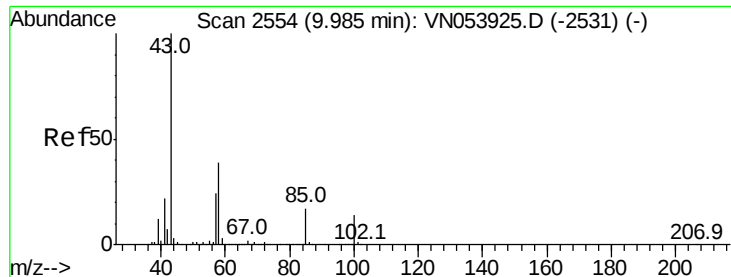
98 100

100 64.0 51.9 77.9



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: 102.915 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

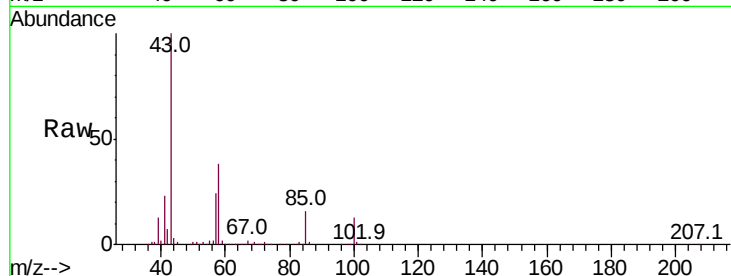
ClientSampleId :

Tot Ion: 43 Resp: 612075

Ion Ratio Lower Upper

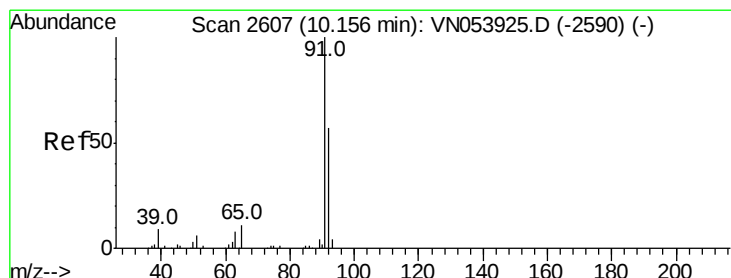
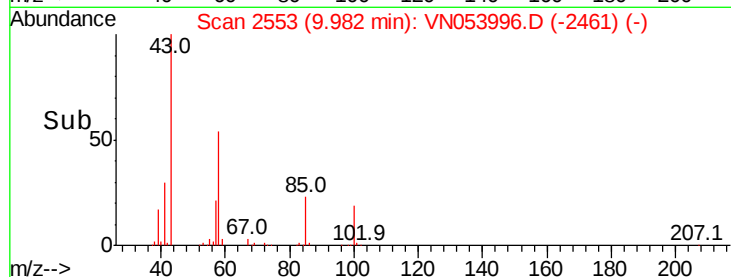
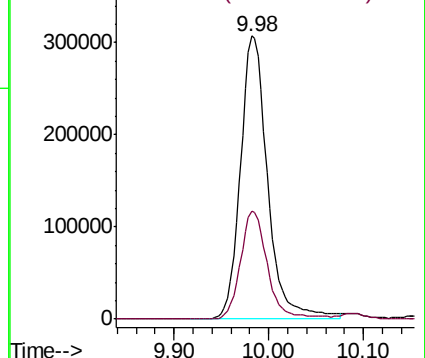
43 100

58 37.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.839 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053996.D

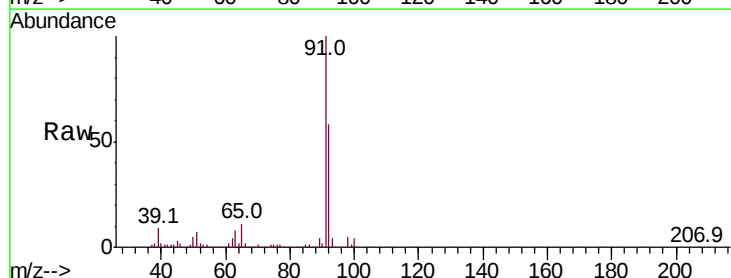
Acq: 28 Feb 2019 11:17

Tgt Ion: 92 Resp: 344511

Ion Ratio Lower Upper

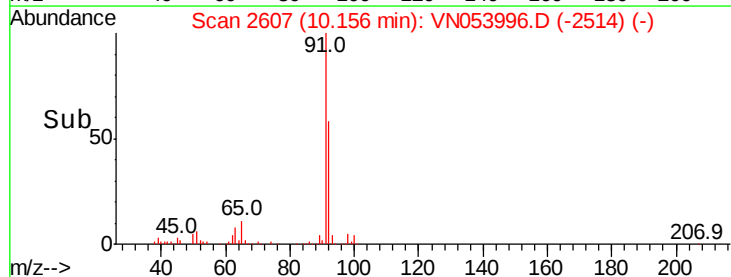
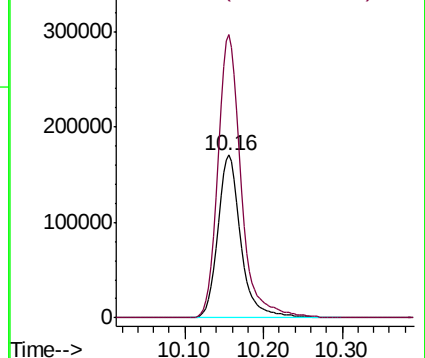
92 100

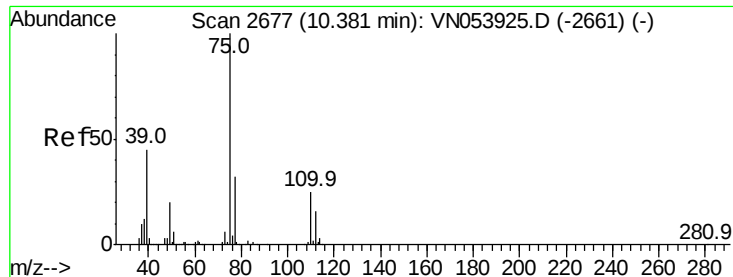
91 175.1 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.844 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

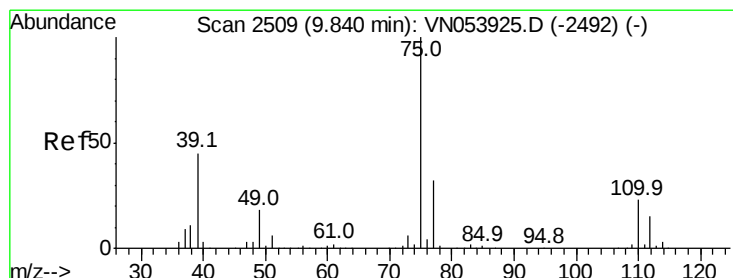
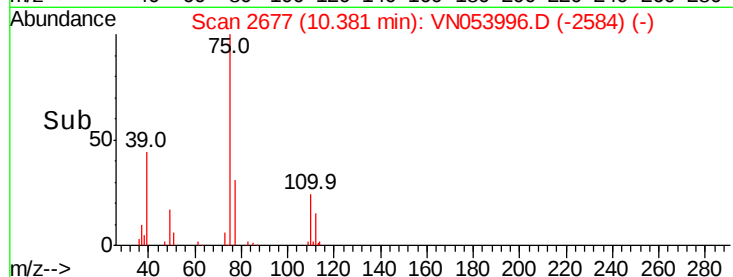
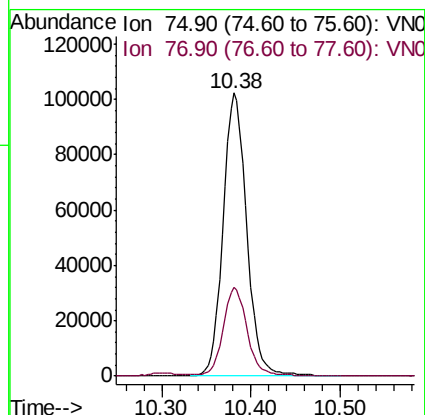
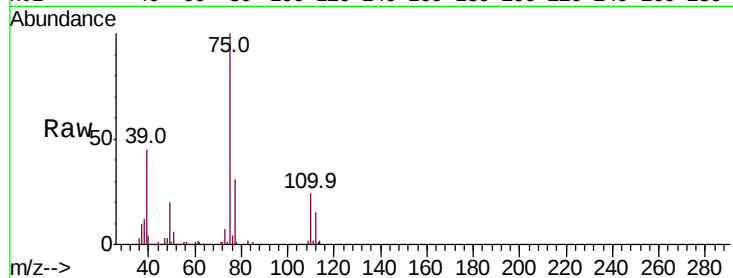
ClientSampleId :

Tot Ion: 75 Resp: 187960

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.966 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

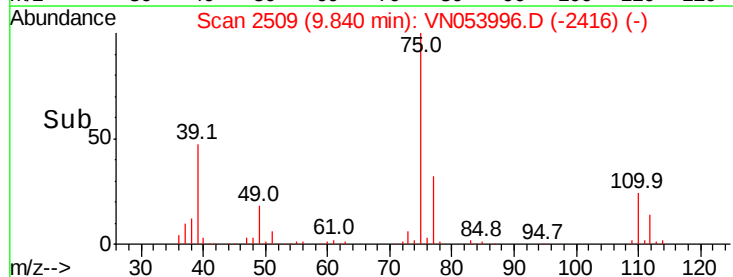
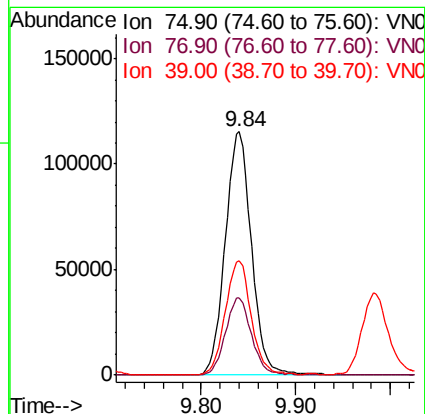
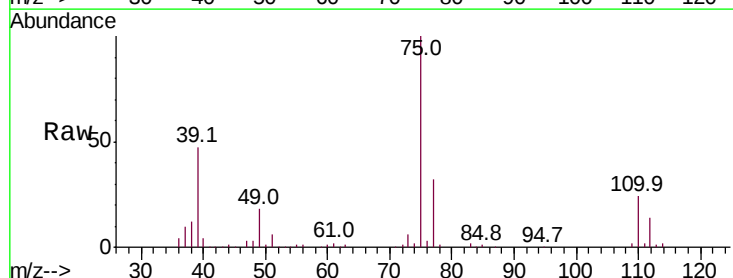
Tgt Ion: 75 Resp: 222944

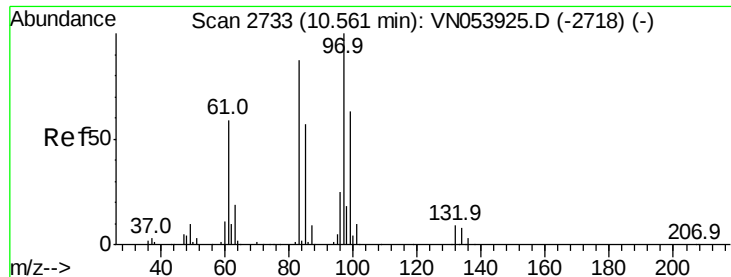
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 47.2 31.4 47.0#





#55

1,1,2-Trichloroethane

Concen: 19.607 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 127158

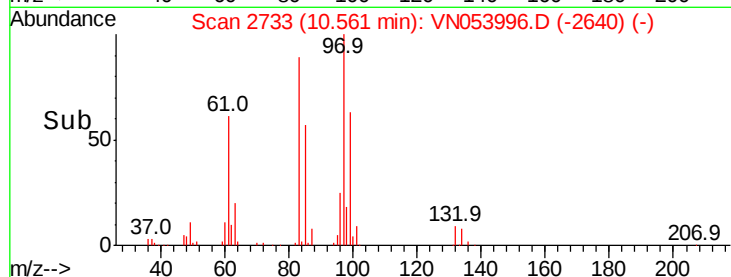
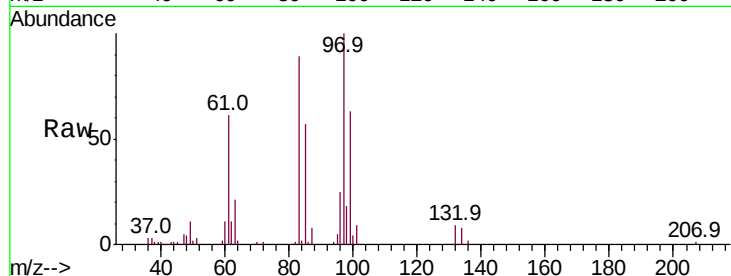
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.5	104.3
85	56.9	45.9	68.9
99	62.4	49.1	73.7

97 100

83 89.2 69.5 104.3

85 56.9 45.9 68.9

99 62.4 49.1 73.7



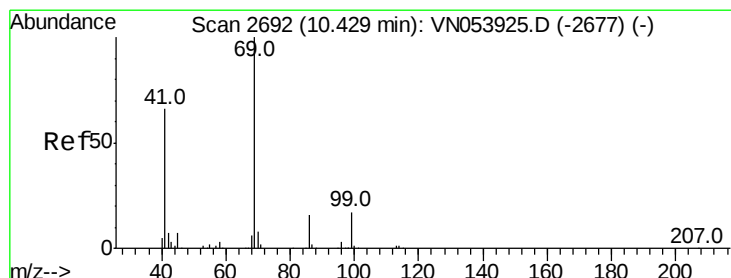
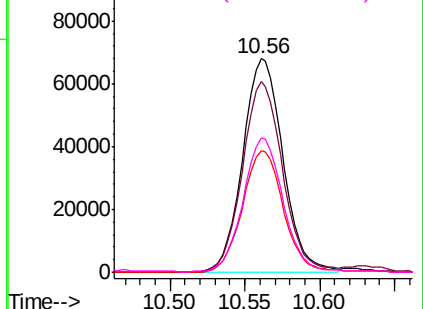
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.731 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

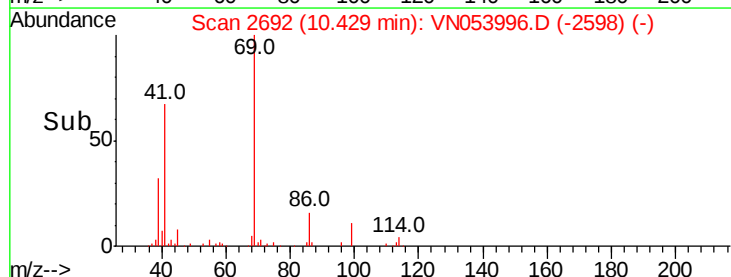
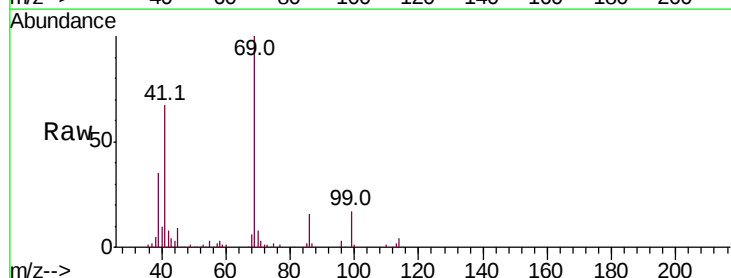
Tgt Ion: 69 Resp: 148463

Ion	Ratio	Lower	Upper
69	100		
41	67.7	47.5	71.3
39	34.9	23.4	35.0

69 100

41 67.7 47.5 71.3

39 34.9 23.4 35.0

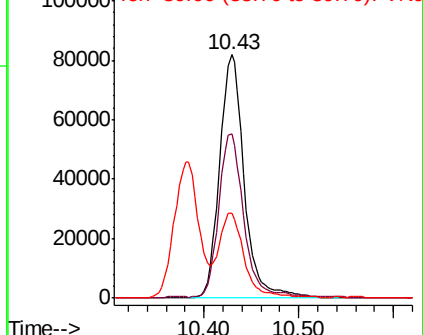


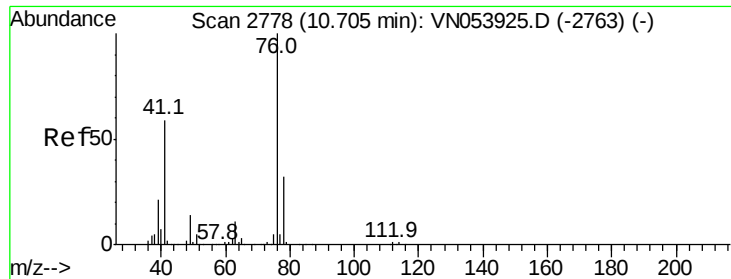
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.085 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

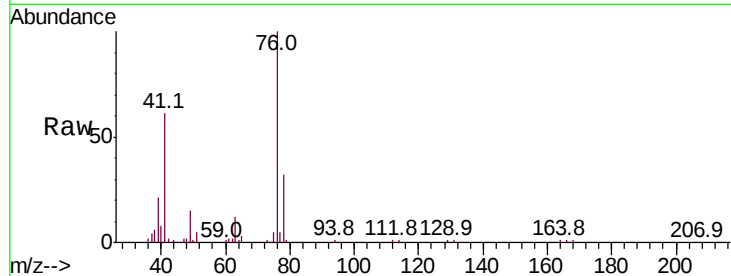
ClientSampled :

Tot Ion: 76 Resp: 220093

Ion Ratio Lower Upper

76 100

78 31.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

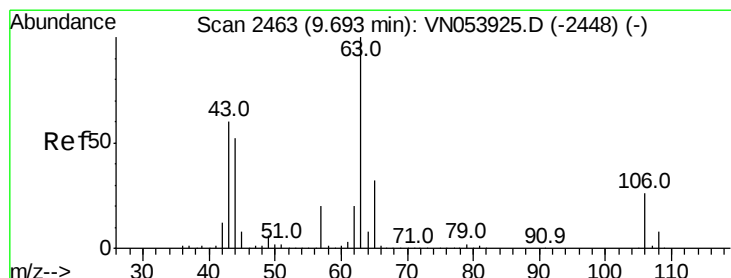
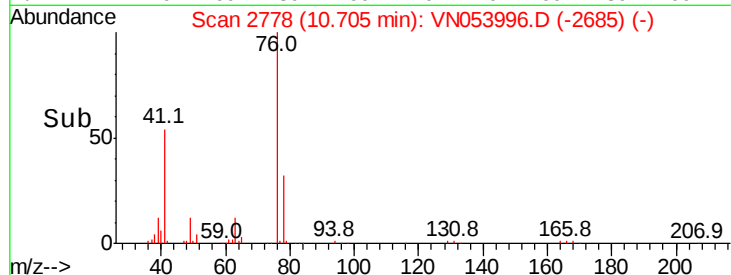
10.71

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 95.026 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053996.D

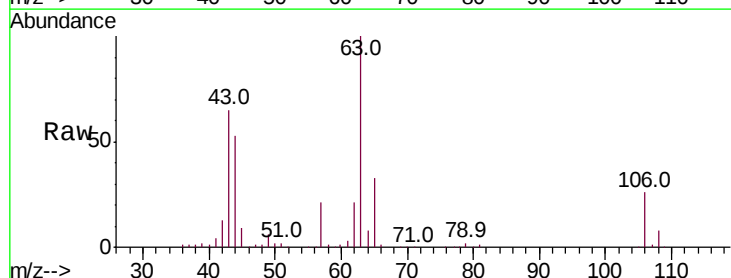
Acq: 28 Feb 2019 11:17

Tgt Ion: 63 Resp: 340866

Ion Ratio Lower Upper

63 100

106 25.3 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

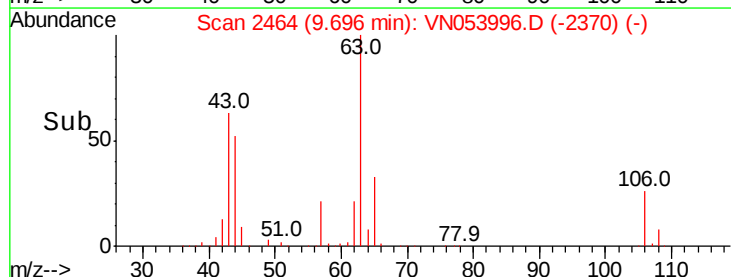
150000

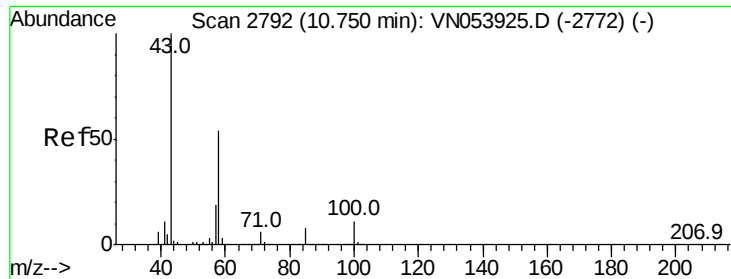
100000

50000

0

Time--> 9.60 9.70 9.80

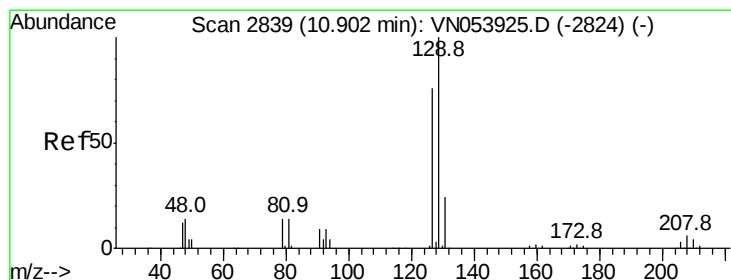
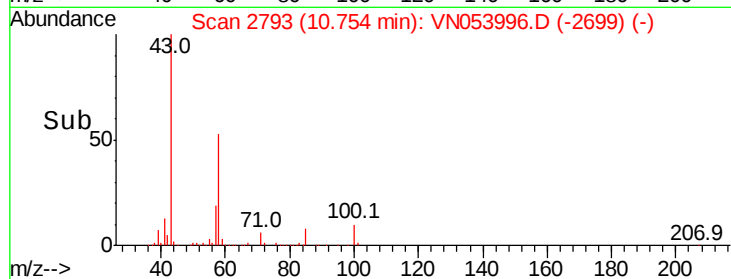
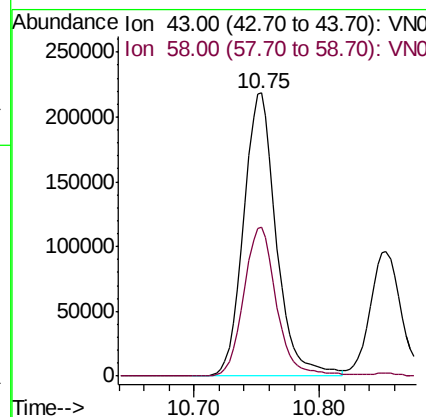
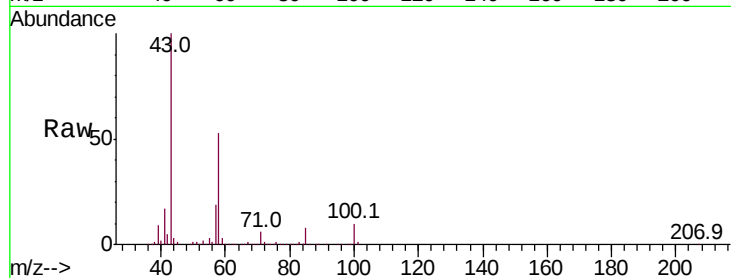




#59
2-Hexanone
Concen: 101.644 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

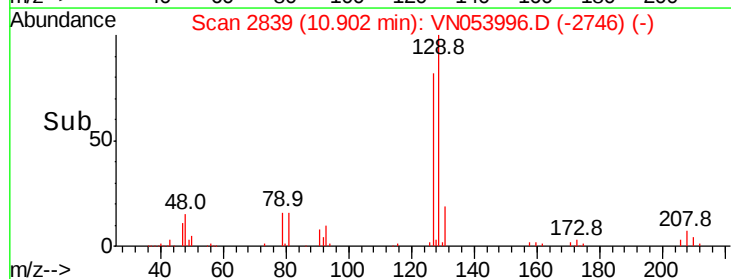
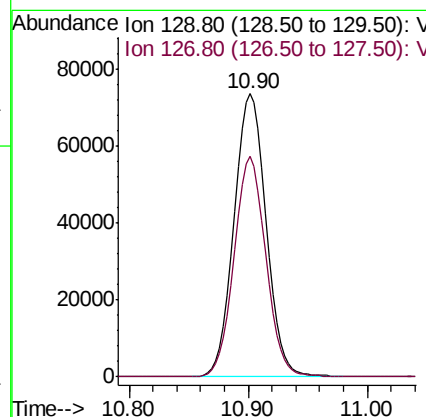
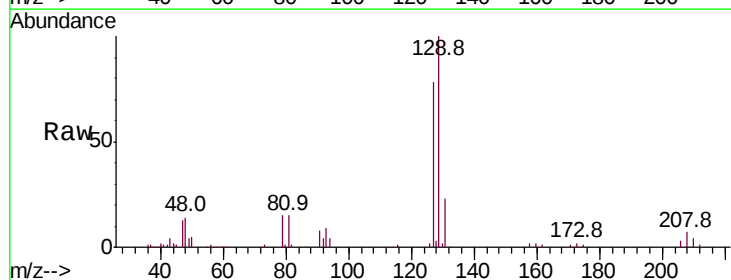
Instrument :
MSVOA_N
ClientSampled :

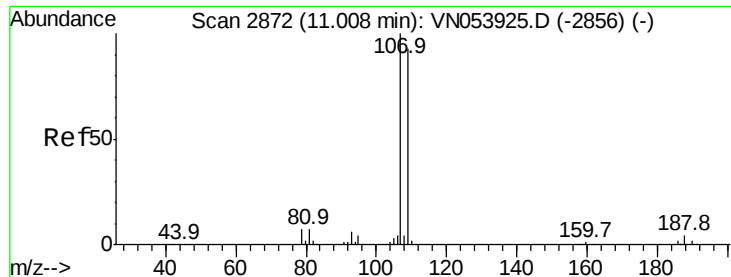
Tot Ion: 43 Resp: 393168
Ion Ratio Lower Upper
43 100
58 53.2 29.1 87.4



#60
Dibromochloromethane
Concen: 19.128 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 129 Resp: 137866
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.318 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

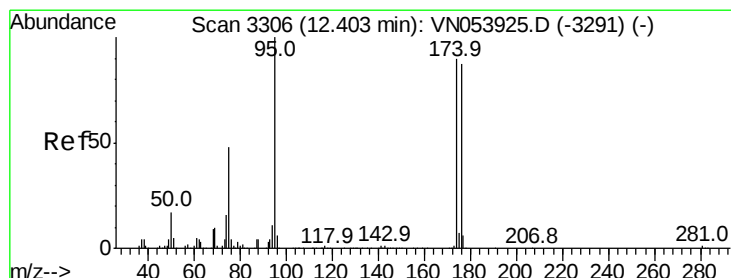
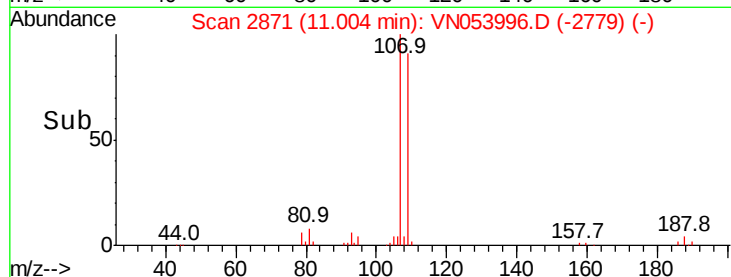
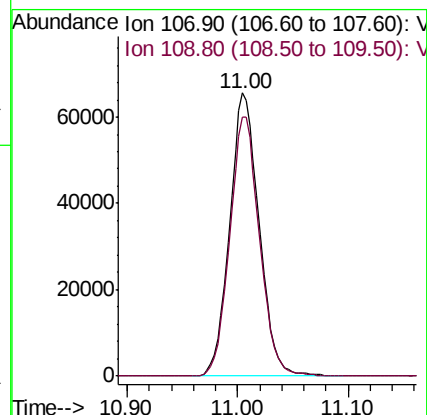
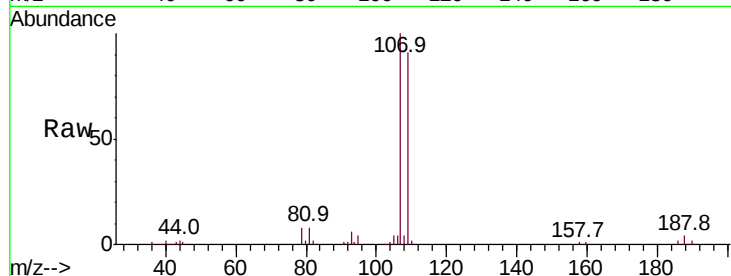
ClientSampleId :

Tot Ion:107 Resp: 120858

Ion Ratio Lower Upper

107 100

109 92.8 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 47.875 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

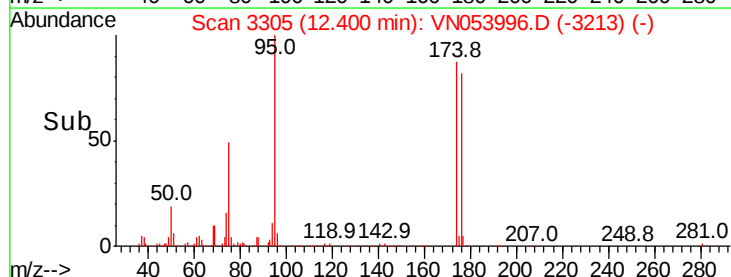
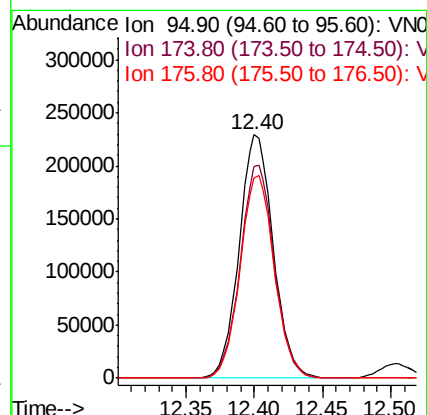
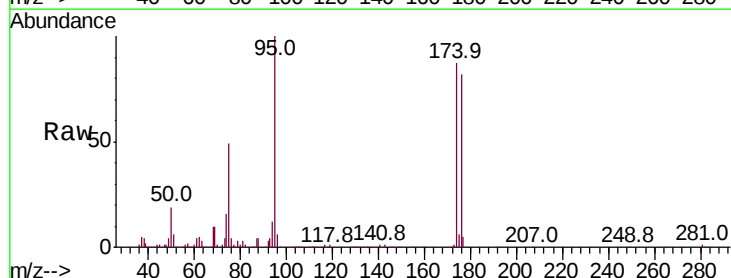
Tgt Ion: 95 Resp: 396369

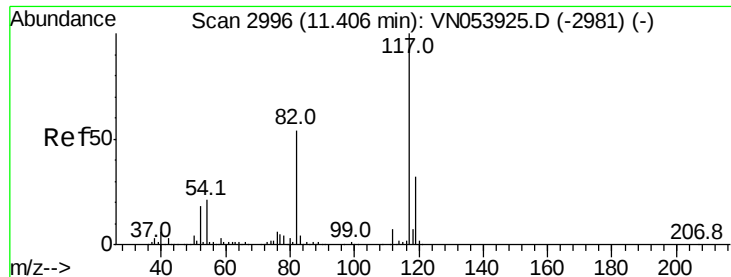
Ion Ratio Lower Upper

95 100

174 87.3 0.0 188.8

176 83.7 0.0 182.6

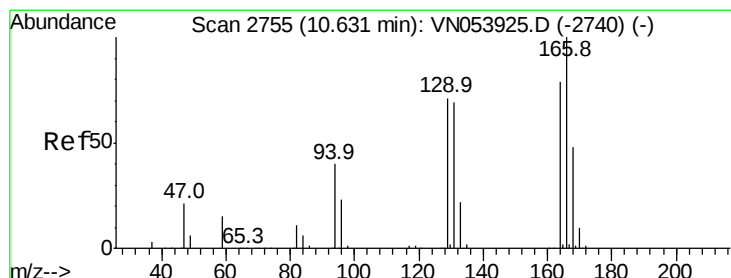
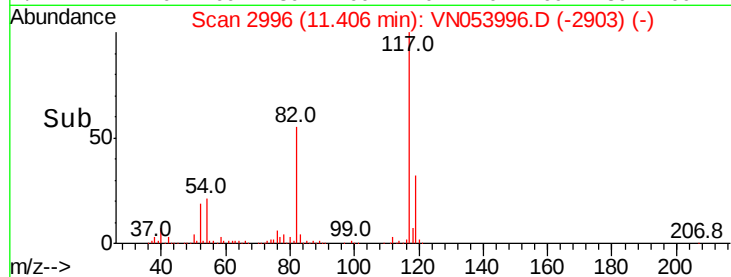
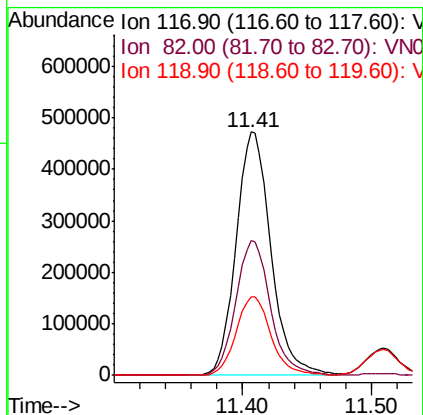
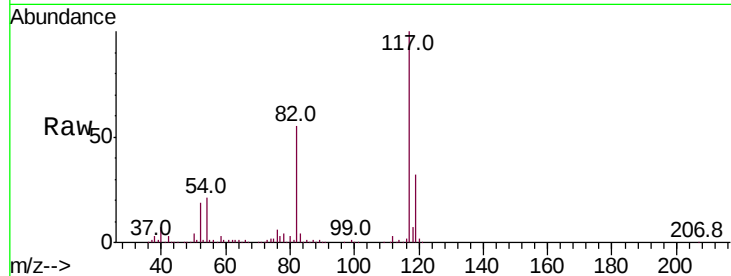




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

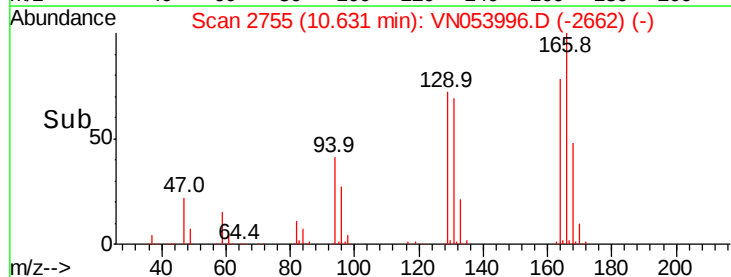
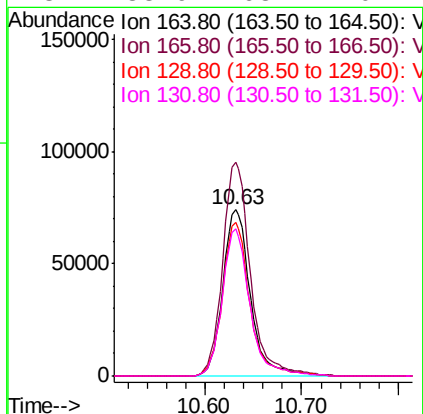
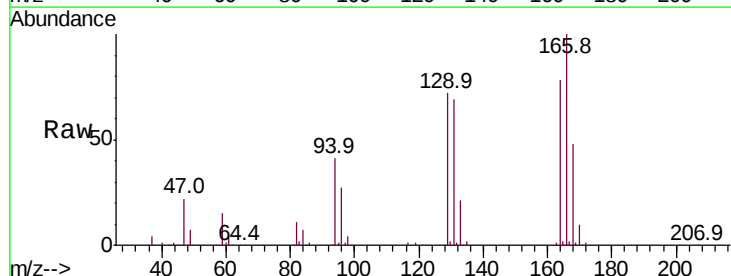
Instrument :
MSVOA_N
ClientSampled :

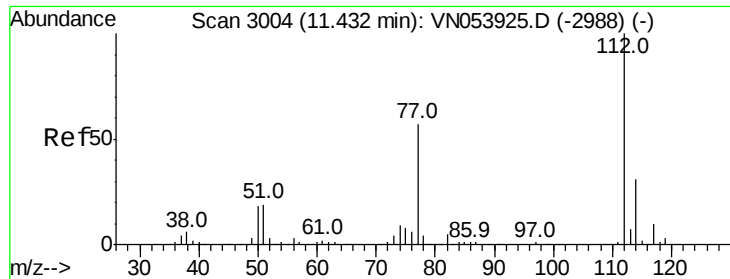
Tot Ion:117 Resp: 888359
Ion Ratio Lower Upper
117 100
82 55.2 41.4 62.2
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 19.557 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion:164 Resp: 147117
Ion Ratio Lower Upper
164 100
166 128.7 102.6 153.8
129 92.4 69.4 104.0
131 88.9 68.1 102.1

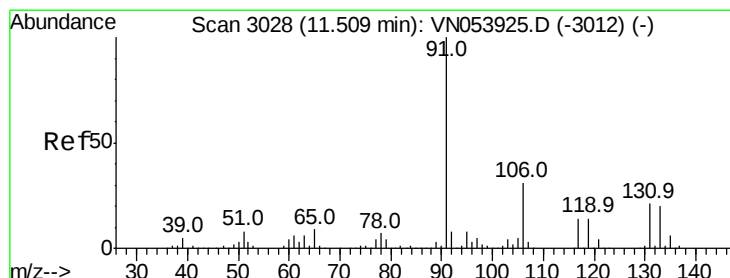
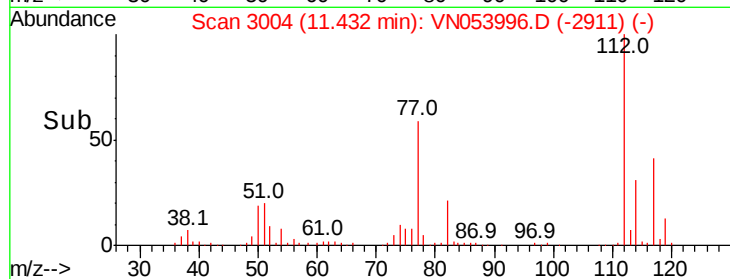
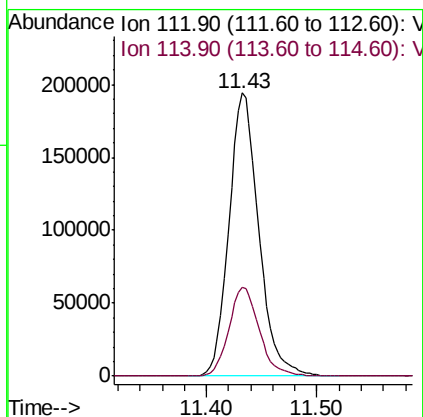
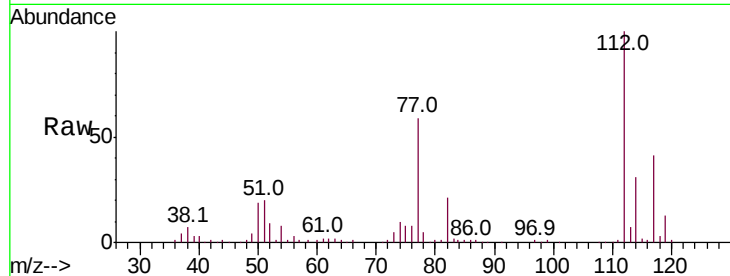




#65
Chlorobenzene
Concen: 19.397 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

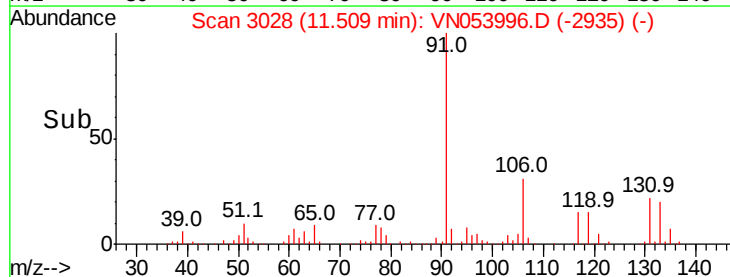
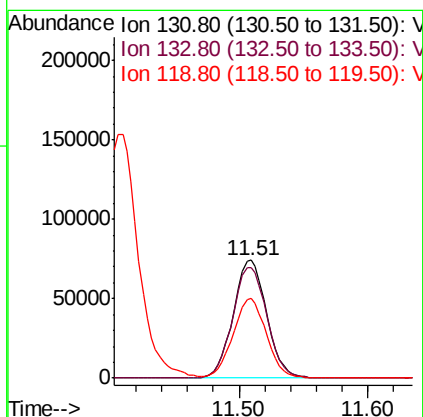
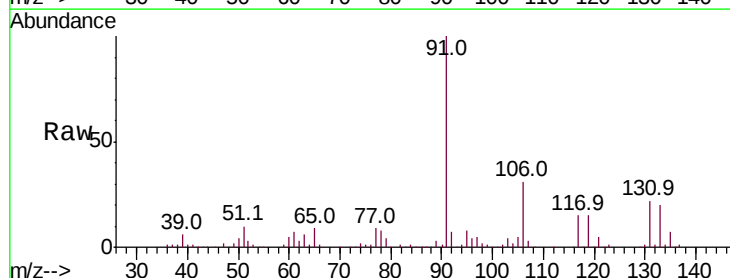
Instrument :
MSVOA_N
ClientSampled :

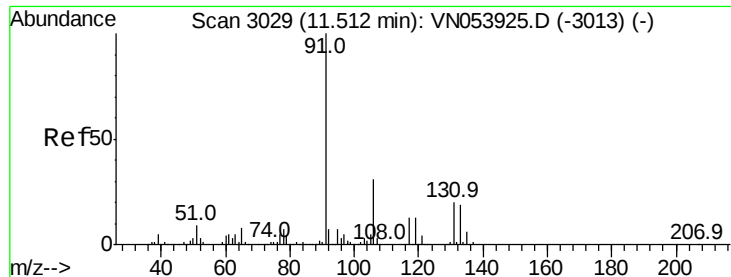
Tot Ion:112 Resp: 363673
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.824 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion:131 Resp: 133952
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 67.7 33.1 99.3

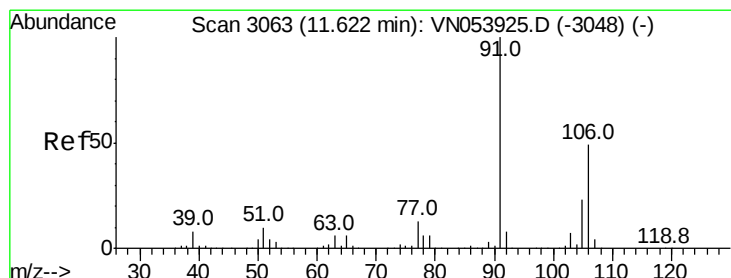
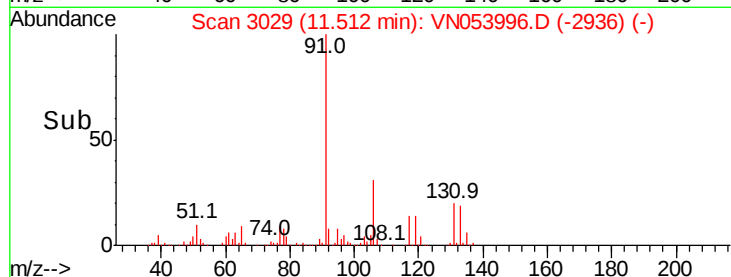
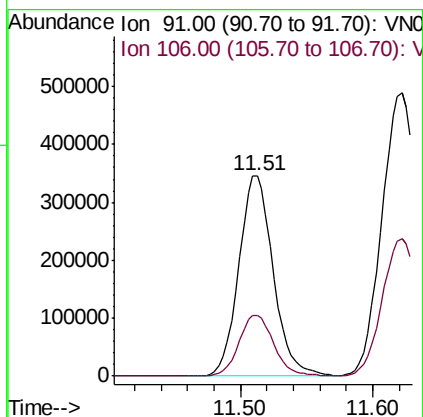
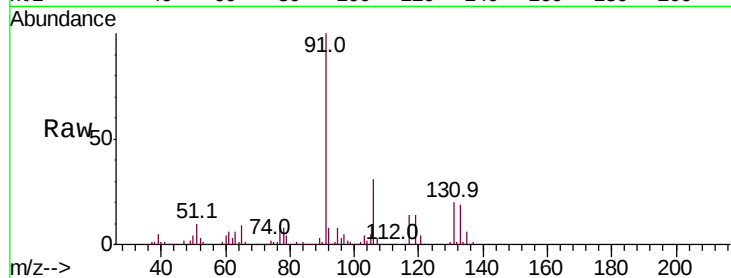




#67
Ethyl Benzene
Concen: 19.868 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

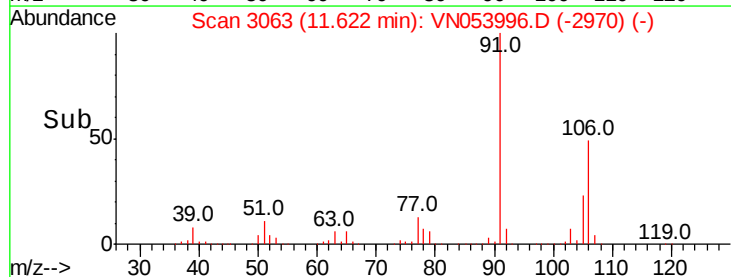
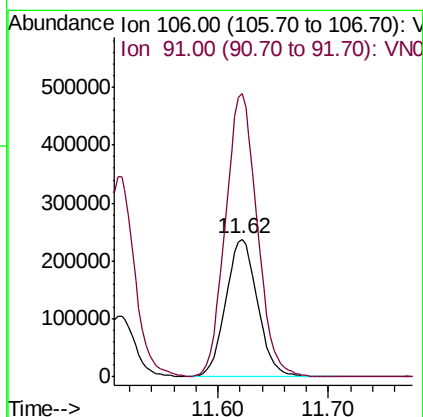
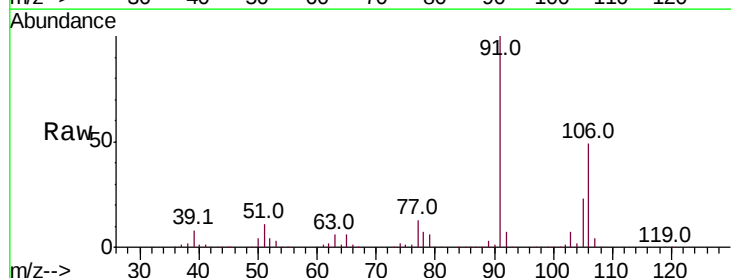
Instrument :
MSVOA_N
ClientSampleId :

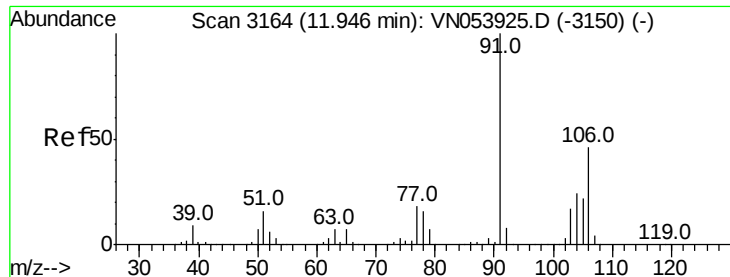
Tot Ion: 91 Resp: 624452
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#68
m/p-Xylenes
Concen: 39.904 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 106 Resp: 473369
Ion Ratio Lower Upper
106 100
91 206.0 158.9 238.3

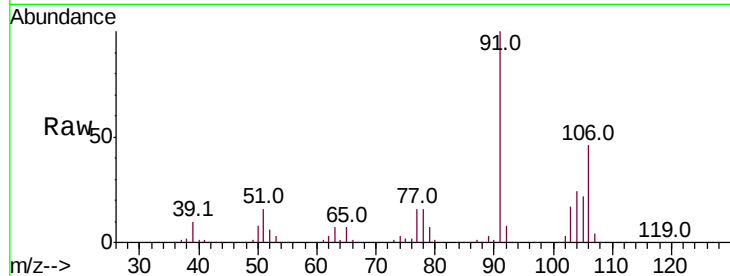




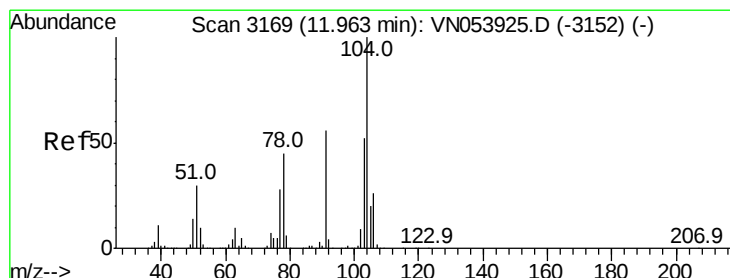
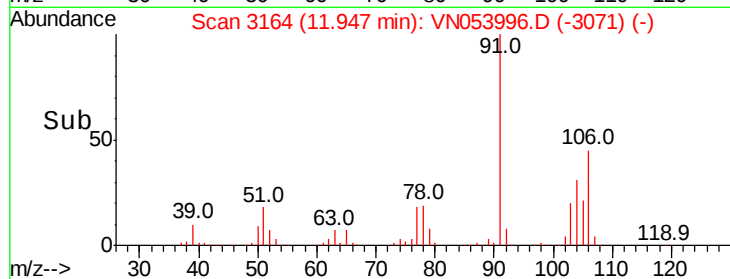
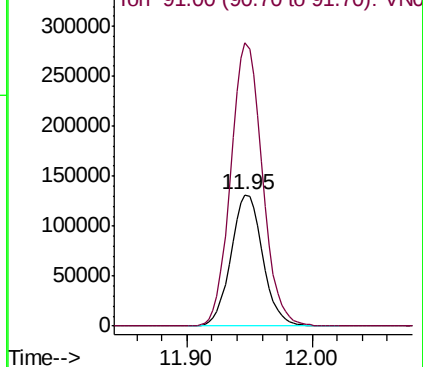
#69
o-Xylene
Concen: 19.832 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 231159
Ion Ratio Lower Upper
106 100
91 214.4 106.0 318.0

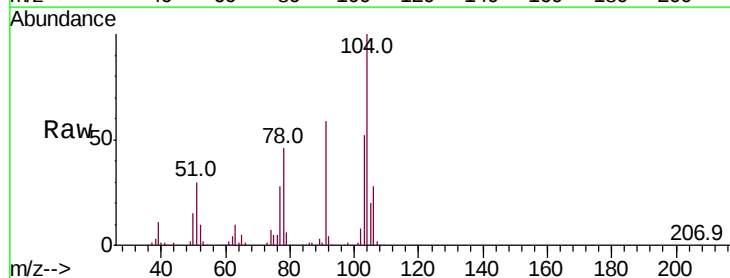


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

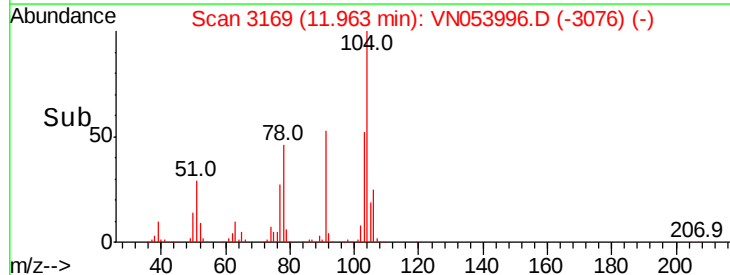
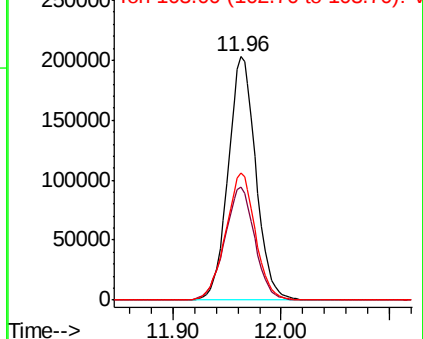


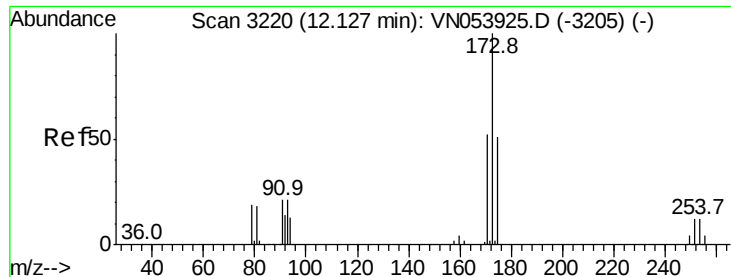
#70
Styrene
Concen: 20.237 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion:104 Resp: 362811
Ion Ratio Lower Upper
104 100
78 50.6 38.1 57.1
103 56.1 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

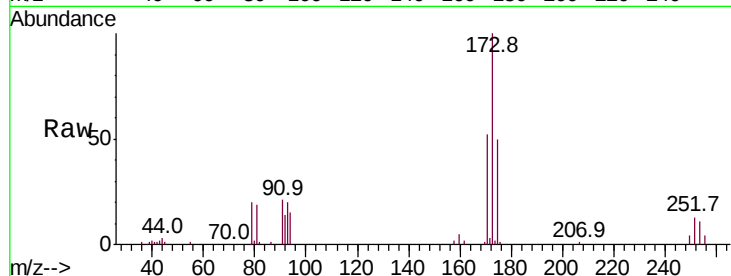




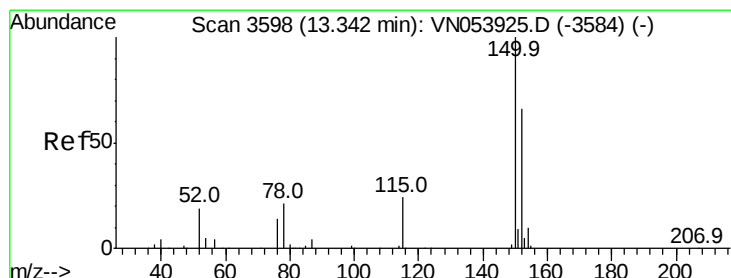
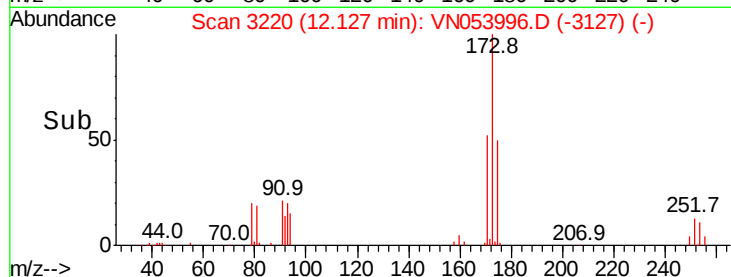
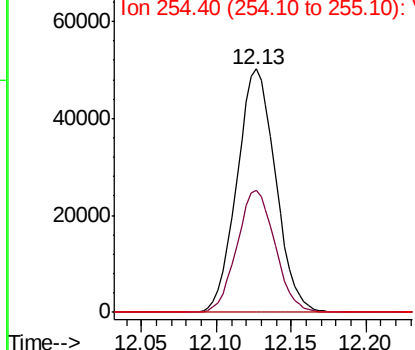
#71
Bromoform
Concen: 19.190 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 90208
Ion Ratio Lower Upper
173 100
175 49.3 24.3 72.8
254 0.0 0.2 0.2#

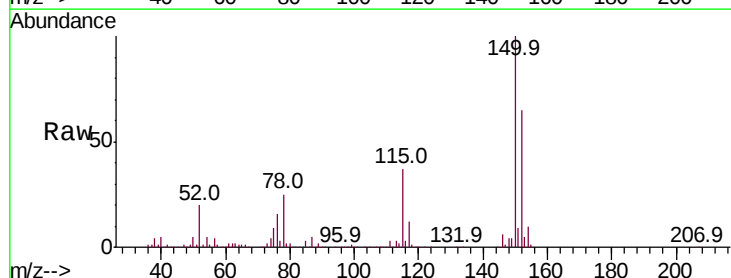


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

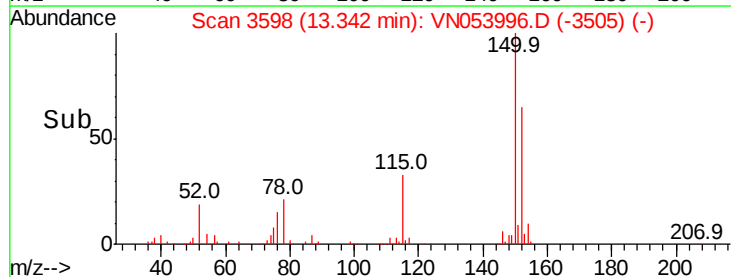
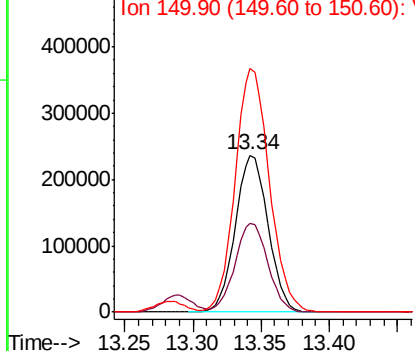


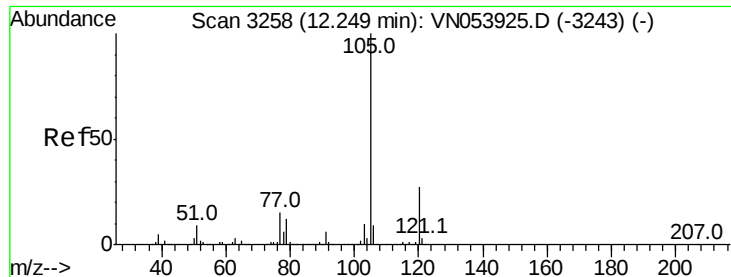
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion:152 Resp: 394382
Ion Ratio Lower Upper
152 100
115 57.0 27.2 81.6
150 161.9 0.0 348.2



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





#73

Isopropylbenzene

Concen: 19.801 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

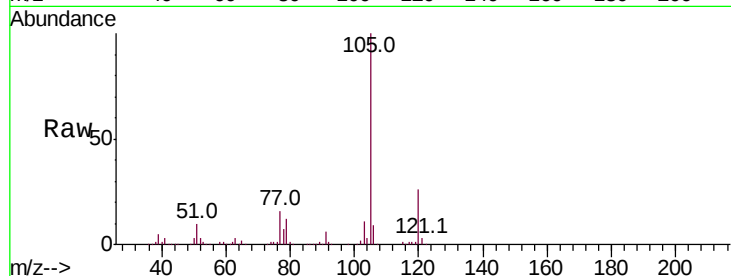
ClientSampleId :

Tot Ion:105 Resp: 607881

Ion Ratio Lower Upper

105 100

120 26.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

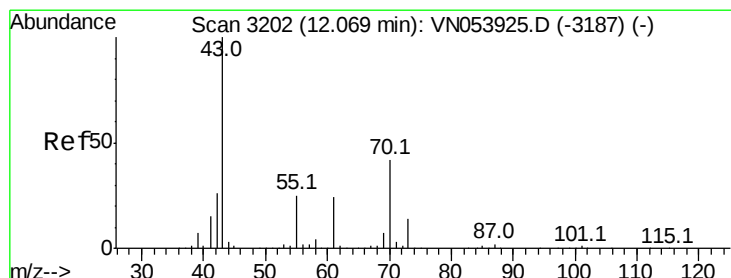
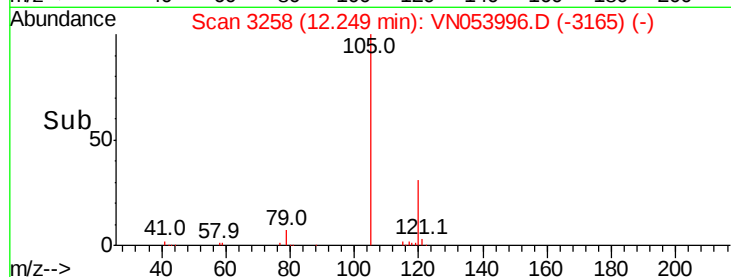
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.113 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Tgt Ion: 43 Resp: 161839

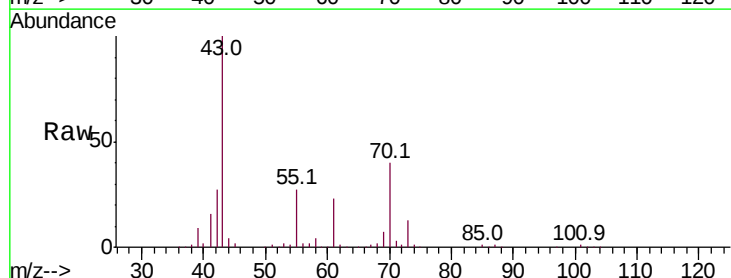
Ion Ratio Lower Upper

43 100

70 40.8 37.4 56.2

55 26.9 21.4 32.0

61 23.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

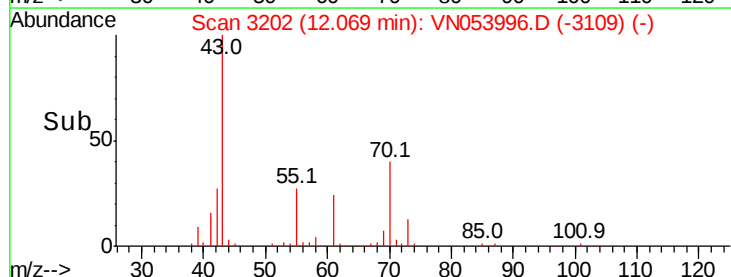
150000

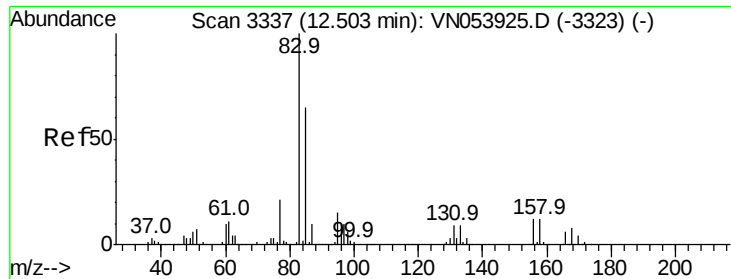
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.882 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

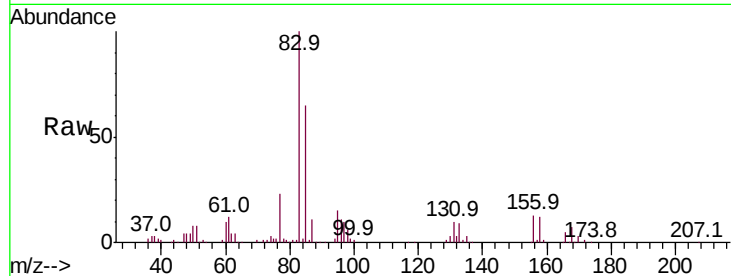
Tot Ion: 83 Resp: 152637

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.3	16.1
85	63.5	31.9	95.9

83 100

131 9.8 5.3 16.1

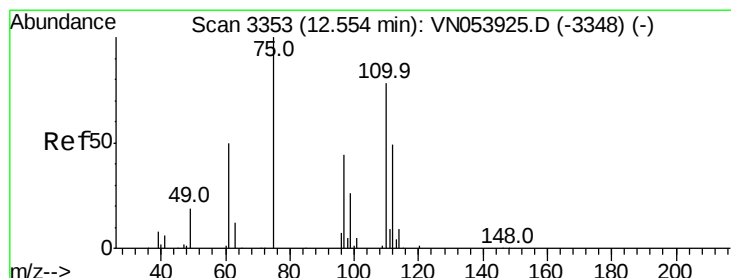
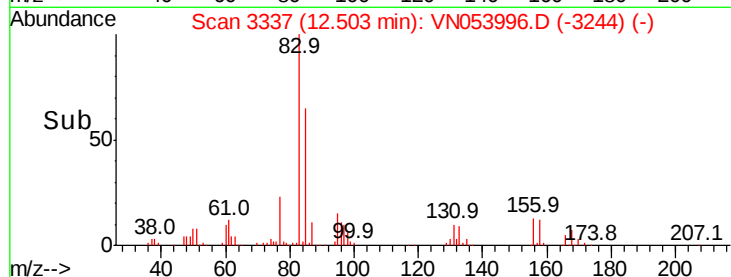
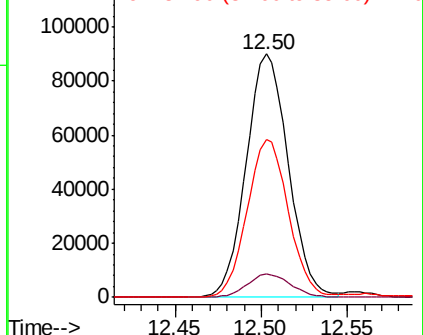
85 63.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN053996.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053996.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053996.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 29.148 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053996.D

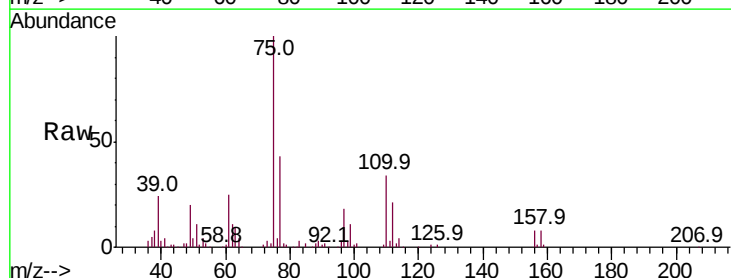
Acq: 28 Feb 2019 11:17

Tgt Ion: 75 Resp: 184410

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

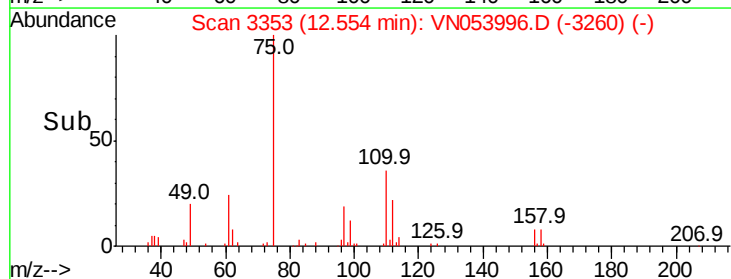
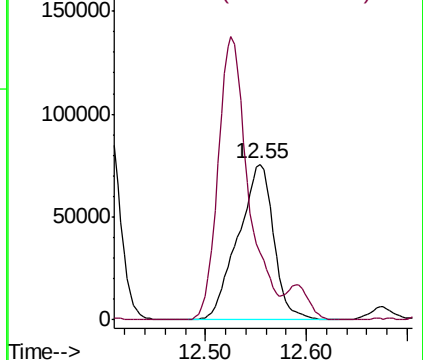
75 100

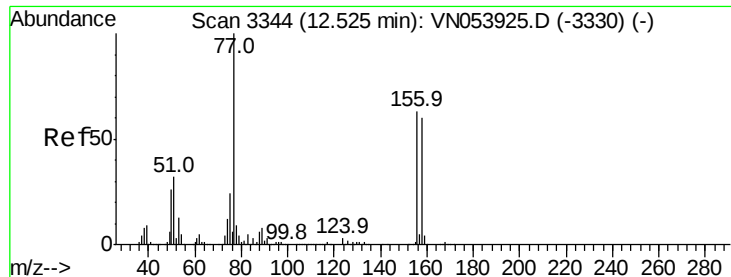
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053996.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053996.D (-3260) (-)





#77

Bromobenzene

Concen: 19.381 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

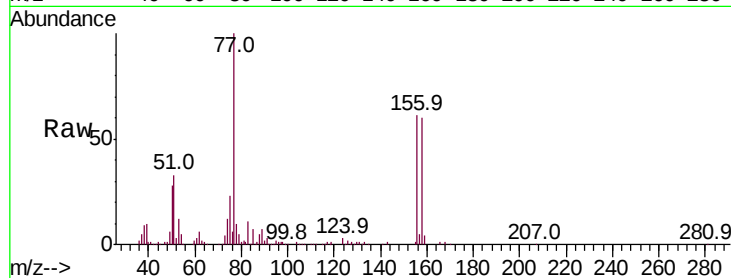
Tot Ion:156 Resp: 151065

Ion Ratio Lower Upper

156 100

77 190.2 84.0 252.2

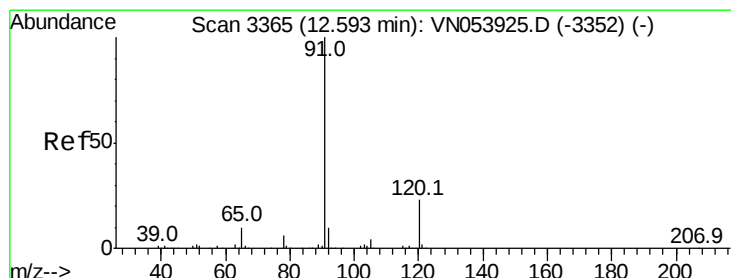
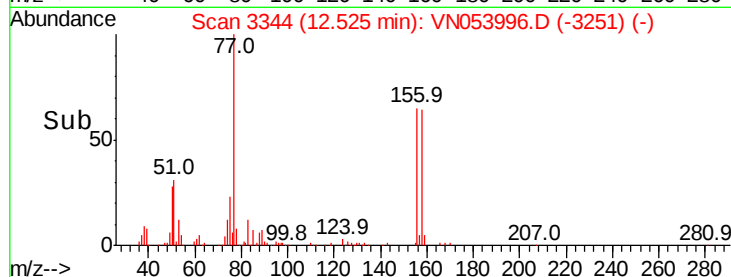
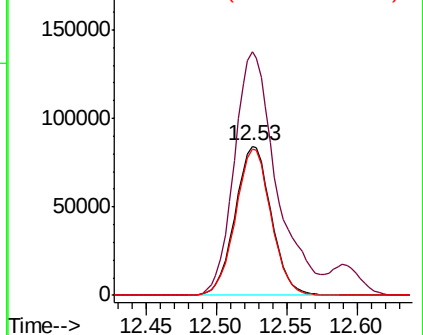
158 96.8 48.5 145.6



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: 20.101 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053996.D

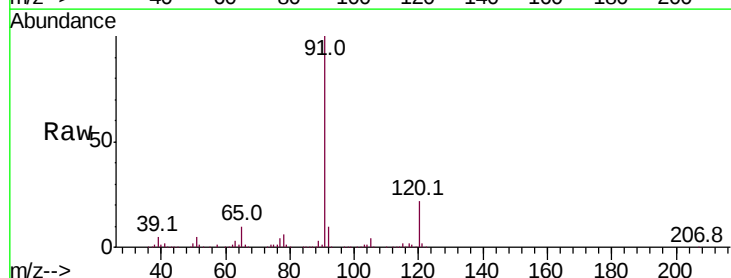
Acq: 28 Feb 2019 11:17

Tgt Ion: 91 Resp: 701802

Ion Ratio Lower Upper

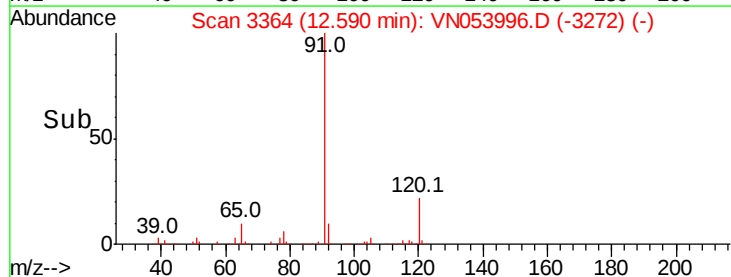
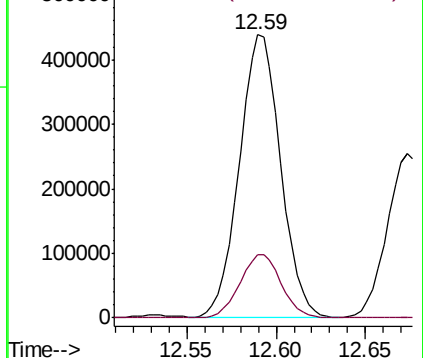
91 100

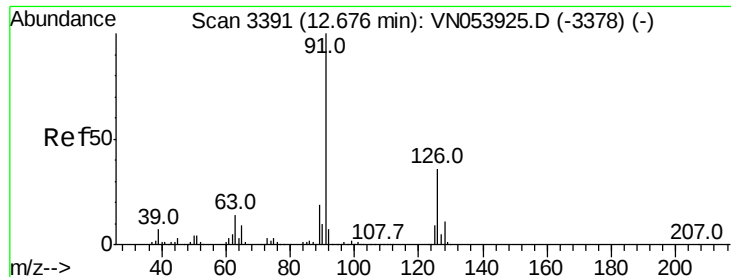
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.132 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

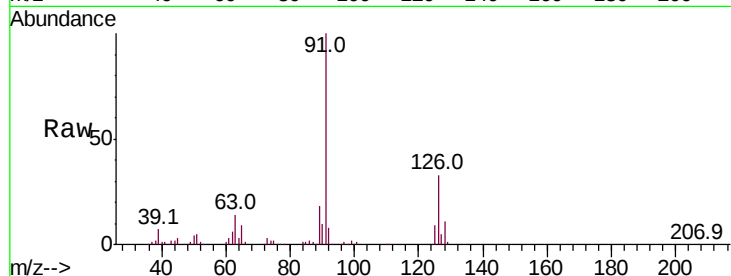
ClientSampled :

Tot Ion: 91 Resp: 42232

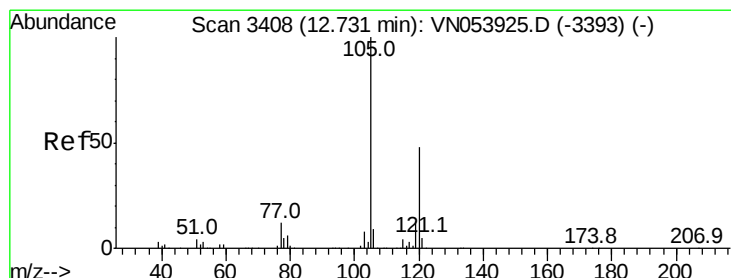
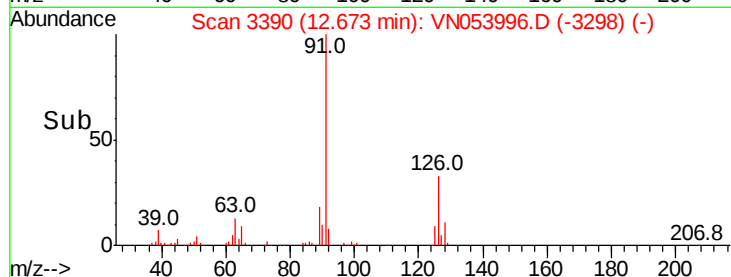
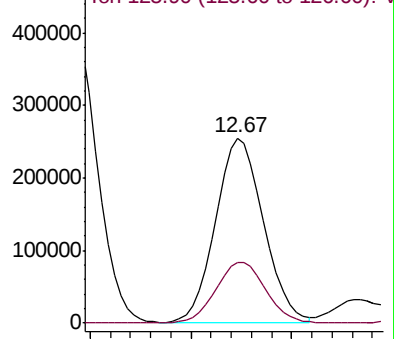
Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053996.D

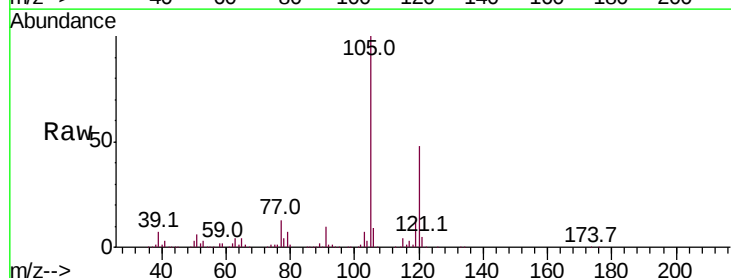
Acq: 28 Feb 2019 11:17

Tgt Ion: 105 Resp: 514398

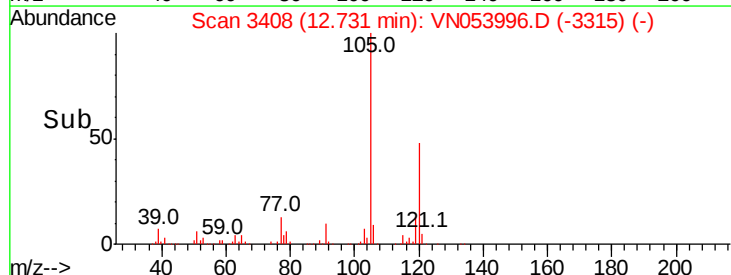
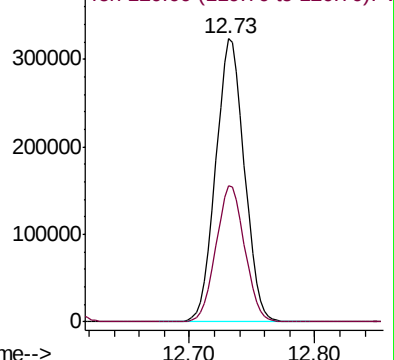
Ion Ratio Lower Upper

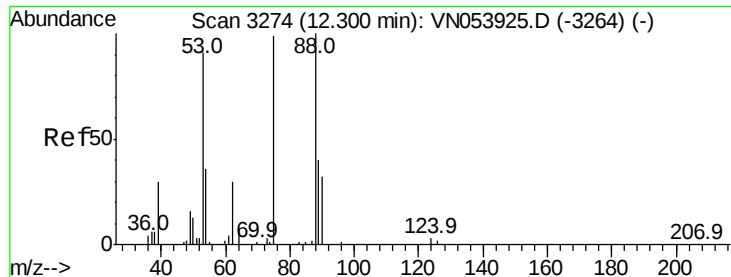
105 100

120 48.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.832 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

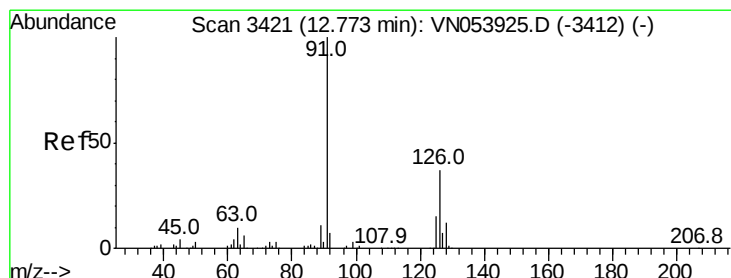
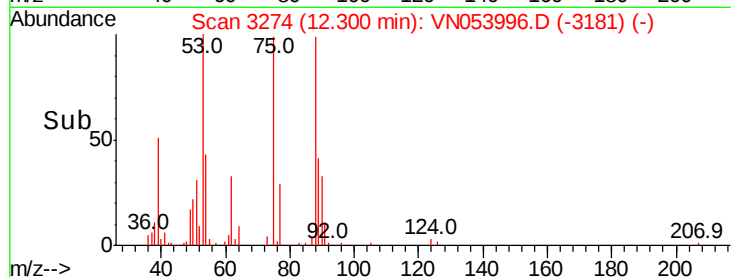
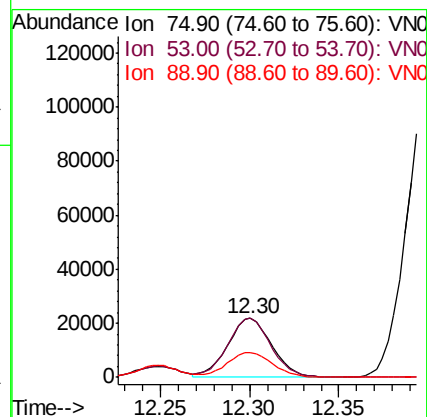
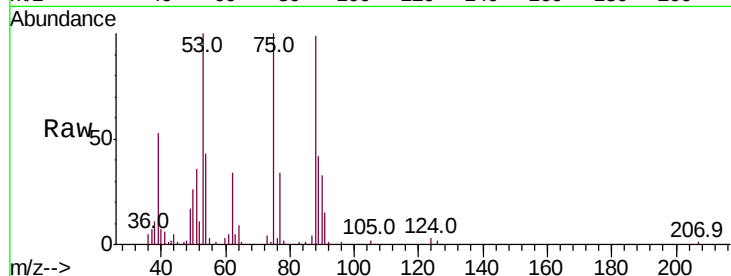
Tot Ion: 75 Resp: 37695

Ion Ratio Lower Upper

75 100

53 97.8 68.6 102.8

89 43.2 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.104 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053996.D

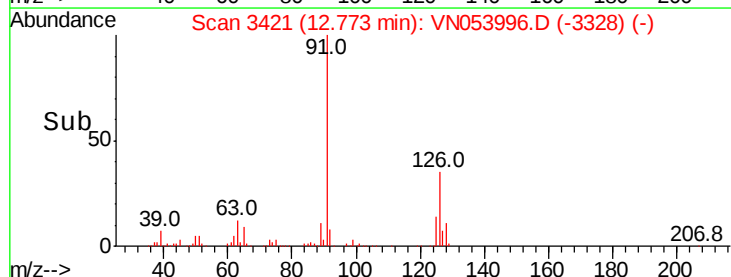
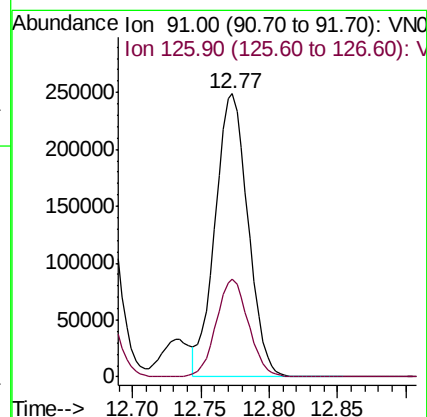
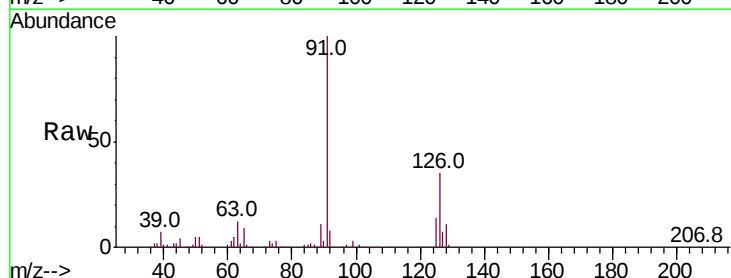
Acq: 28 Feb 2019 11:17

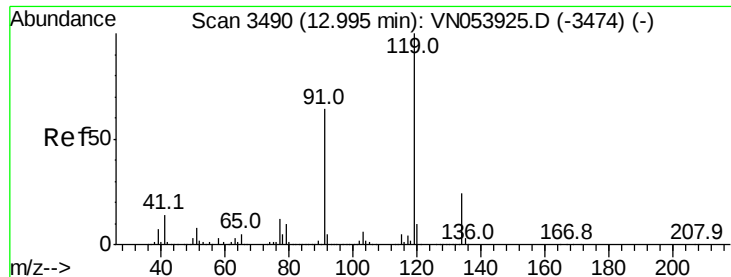
Tgt Ion: 91 Resp: 416725

Ion Ratio Lower Upper

91 100

126 33.9 18.0 54.0

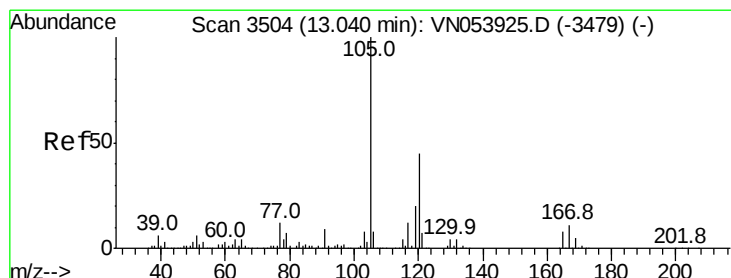
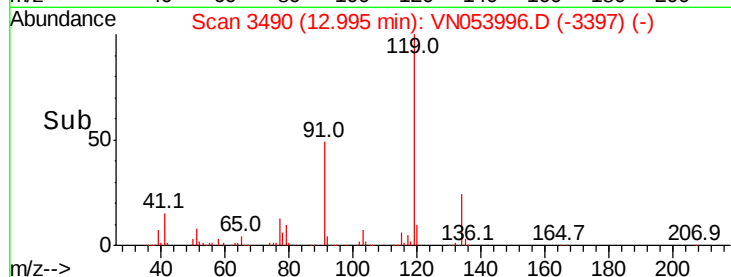
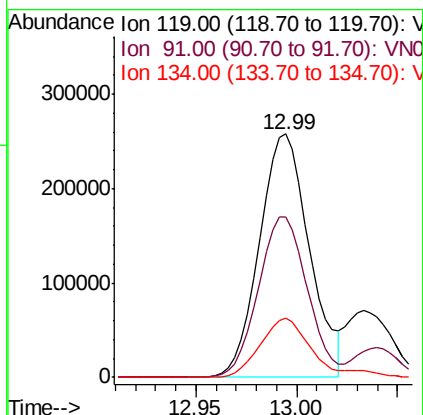
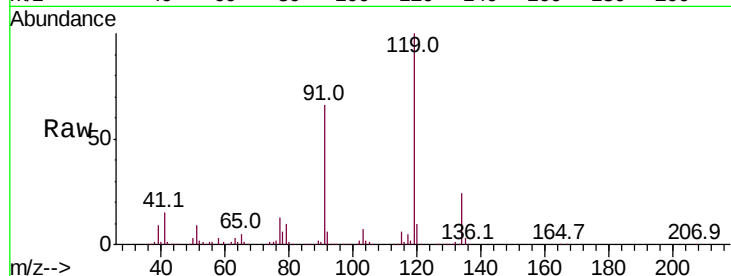




#83
 tert-Butylbenzene
 Concen: 20.003 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

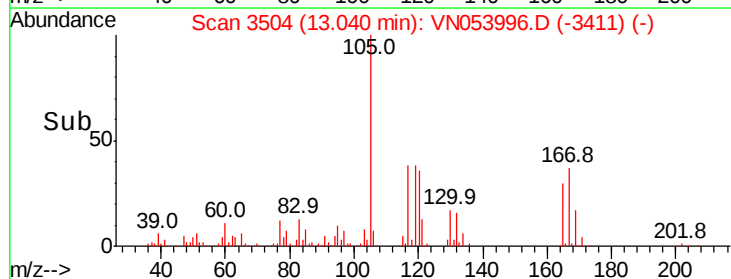
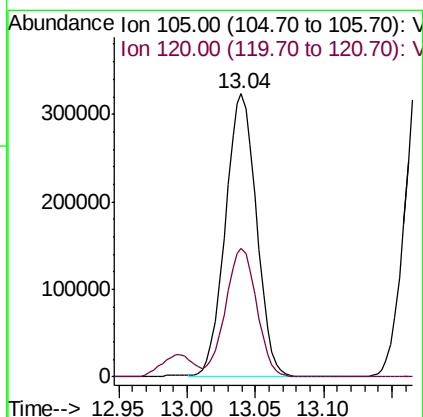
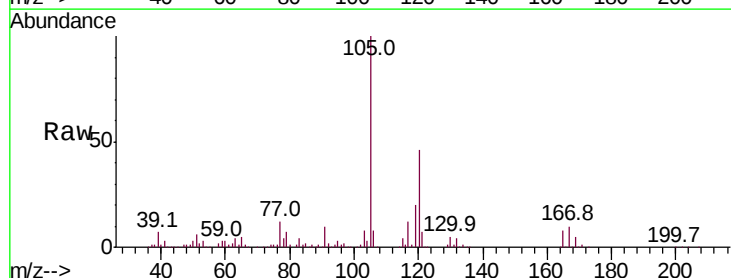
Instrument :
 MSVOA_N
 ClientSampled :

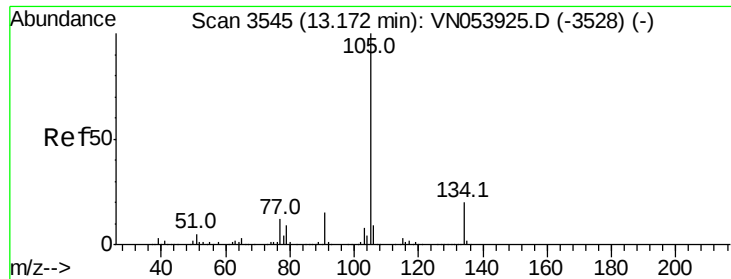
Tot Ion:119 Resp: 444638
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.6 91.8
 134 25.6 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.365 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

Tgt Ion:105 Resp: 510978
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.361 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

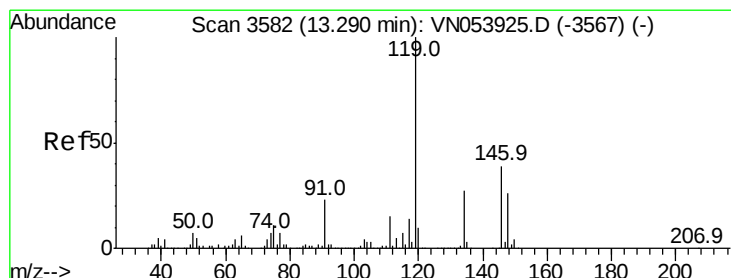
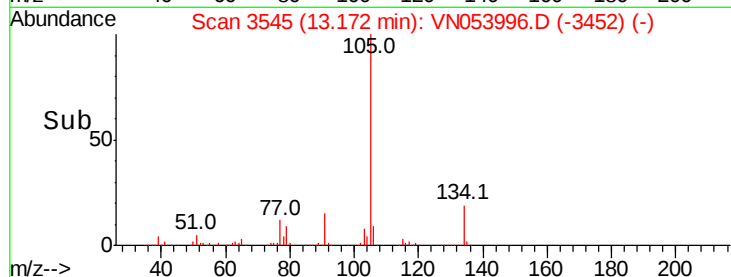
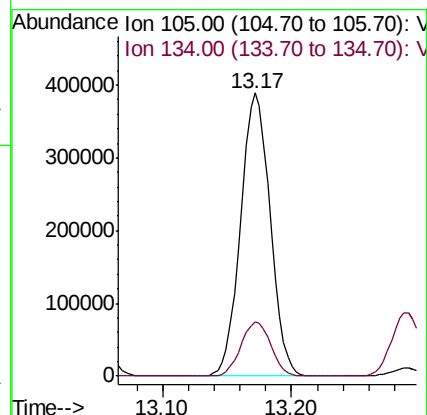
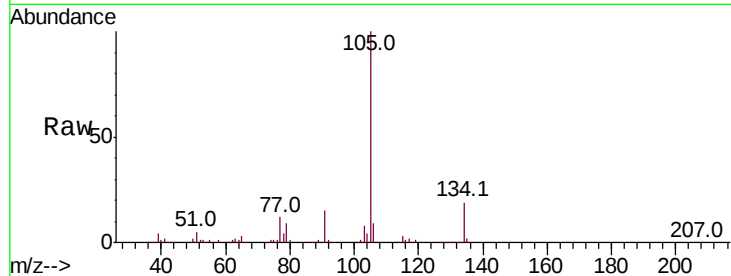
ClientSampleId :

Tot Ion:105 Resp: 618165

Ion Ratio Lower Upper

105 100

134 19.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.153 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

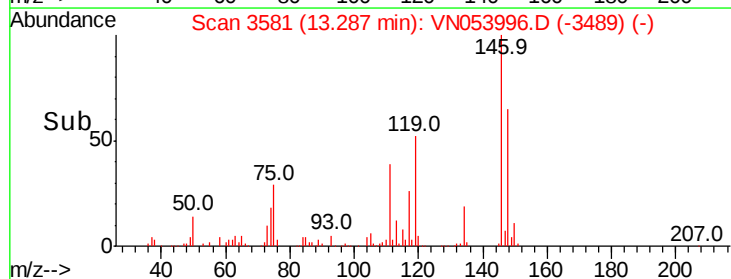
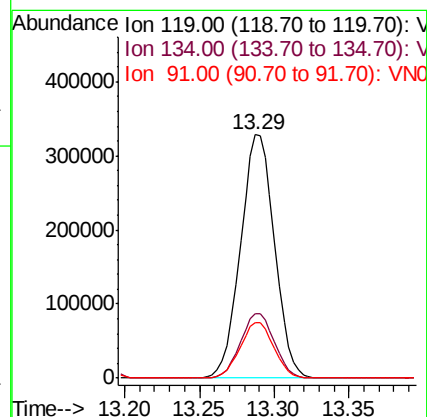
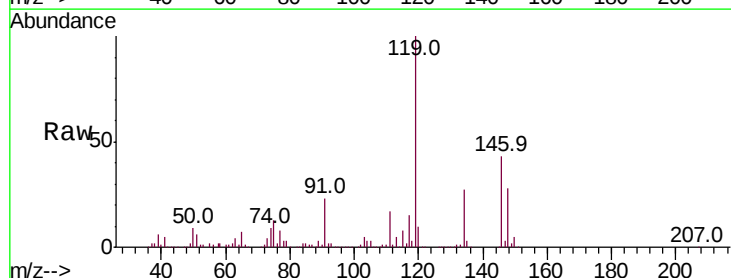
Tgt Ion:119 Resp: 517256

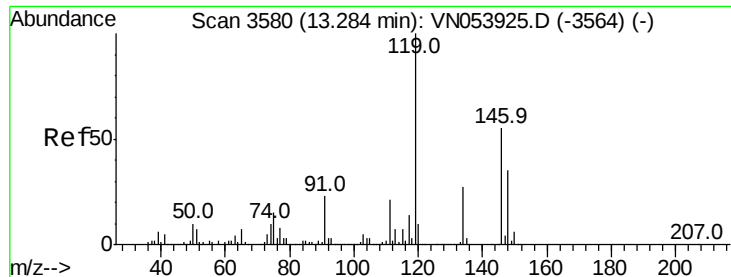
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.7 10.9 32.6

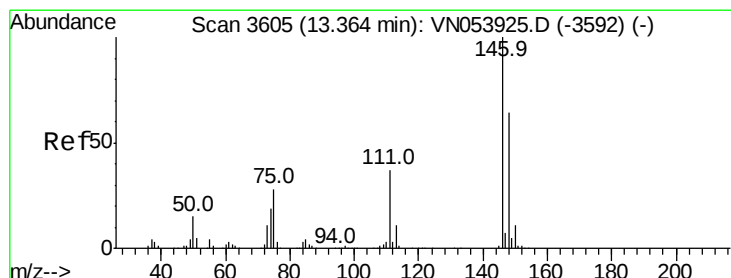
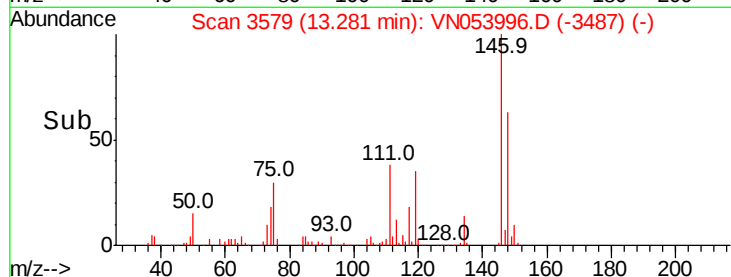
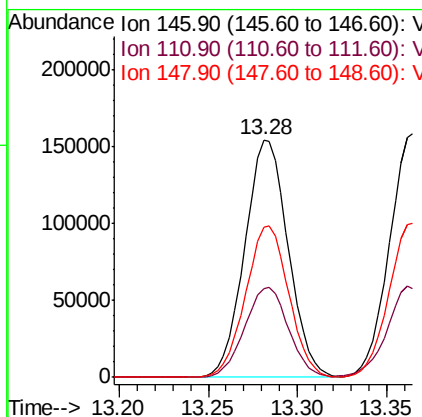
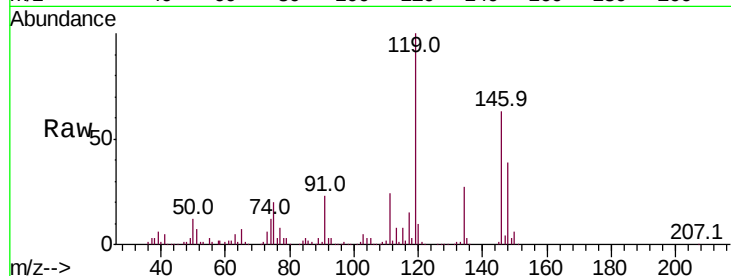




#87
 1,3-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

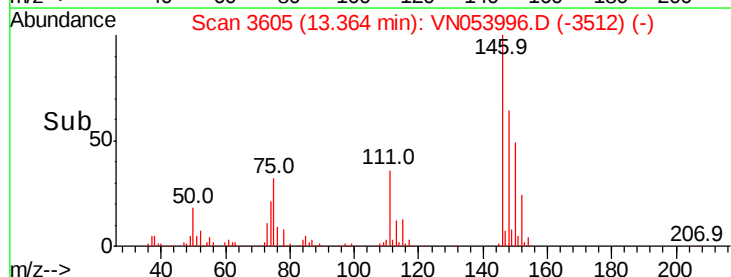
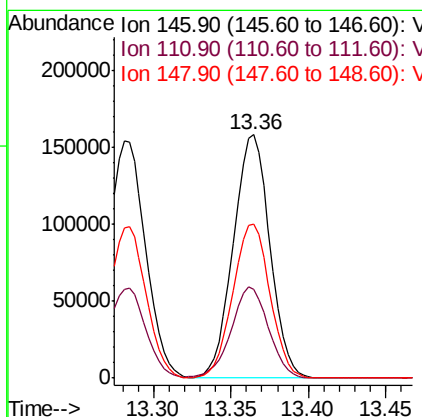
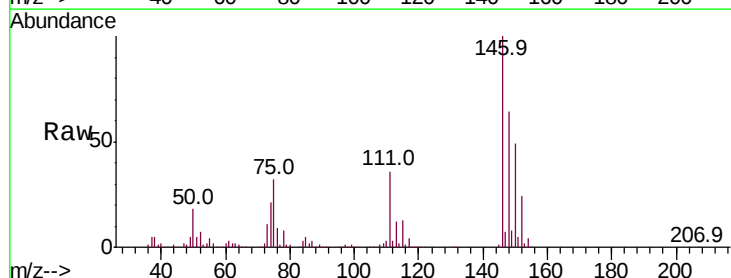
Instrument :
 MSVOA_N
 ClientSampleId :

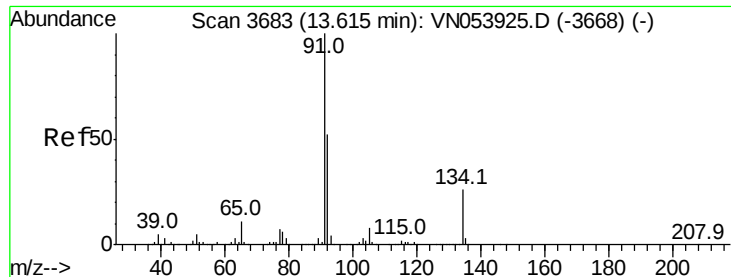
Tot Ion:146 Resp: 262184
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.888 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053996.D
 Acq: 28 Feb 2019 11:17

Tgt Ion:146 Resp: 260172
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.0 54.0
 148 64.4 32.1 96.5

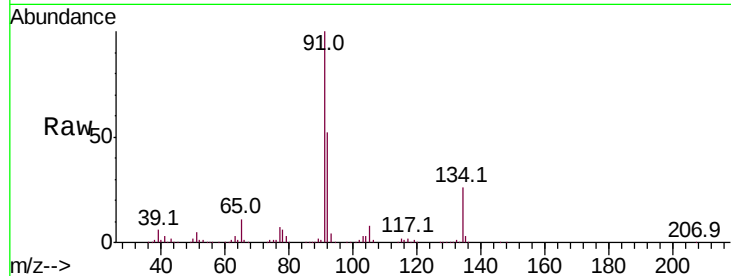




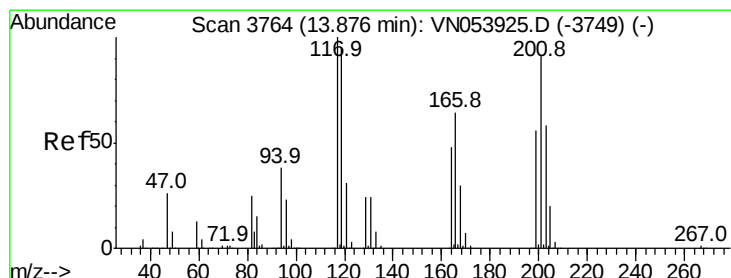
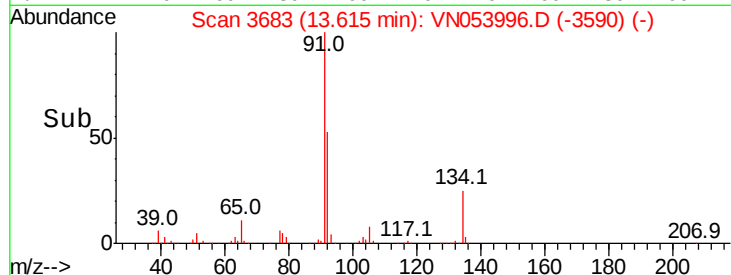
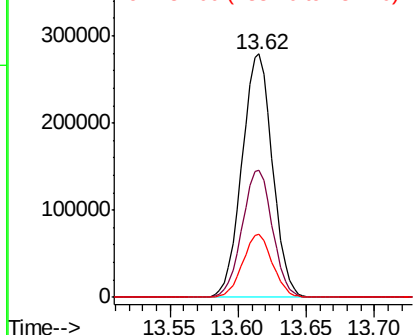
#89
n-Butylbenzene
Concen: 20.060 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 433911
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.1 13.6 40.8

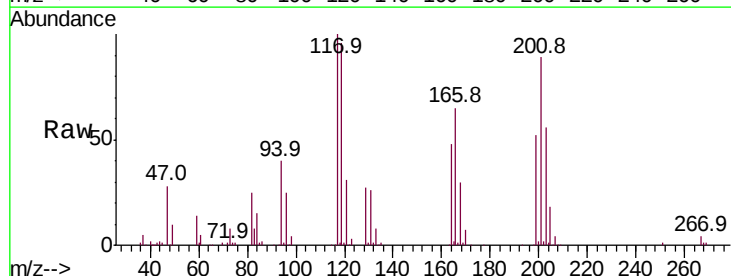


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

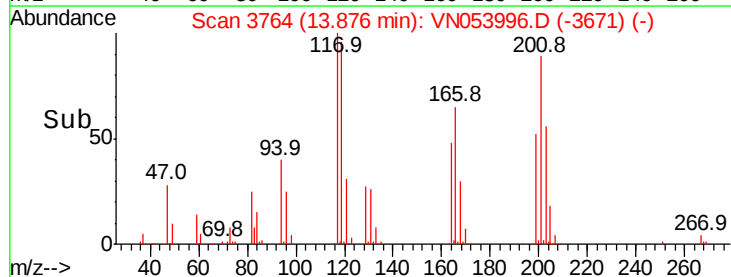
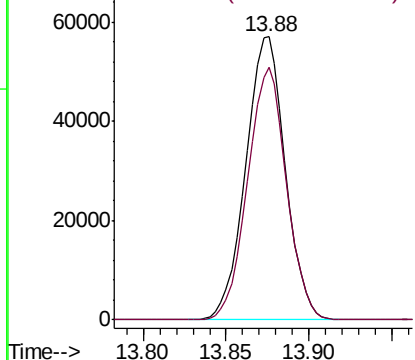


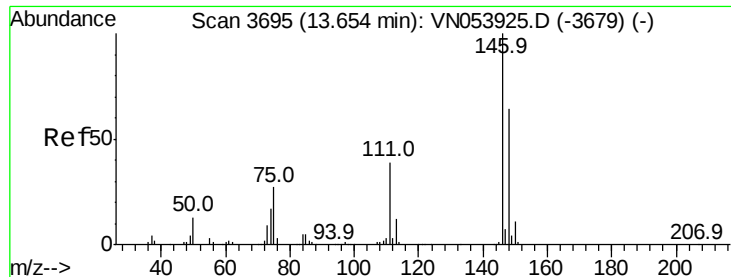
#90
Hexachloroethane
Concen: 19.074 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion: 117 Resp: 94867
Ion Ratio Lower Upper
117 100
201 87.6 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.062 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

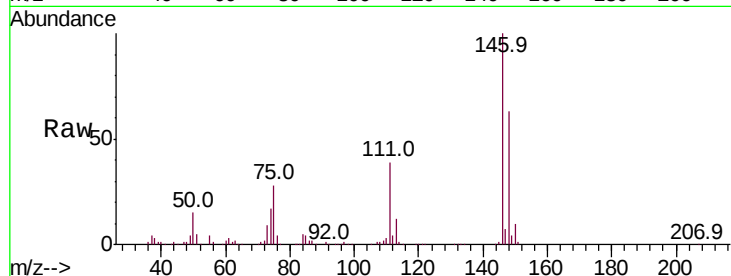
Tot Ion:146 Resp: 261859

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.5

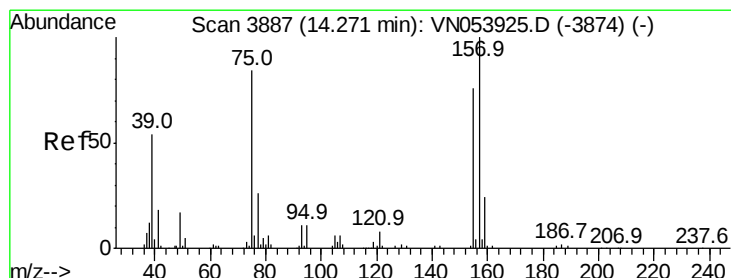
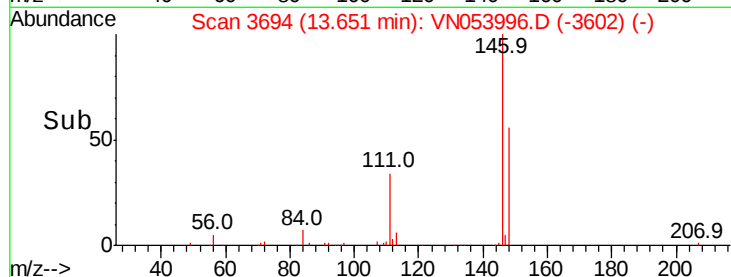
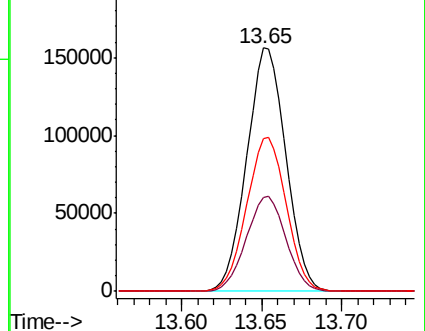
148 63.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.771 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

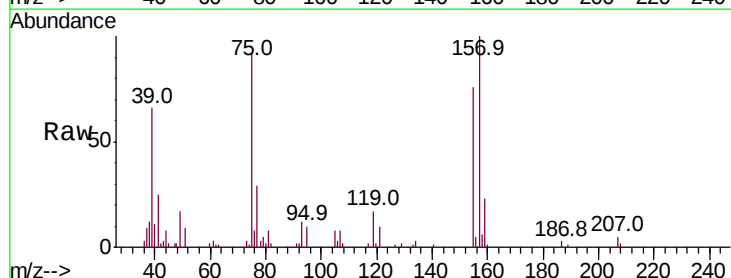
Tgt Ion: 75 Resp: 21450

Ion Ratio Lower Upper

75 100

155 87.0 49.5 148.5

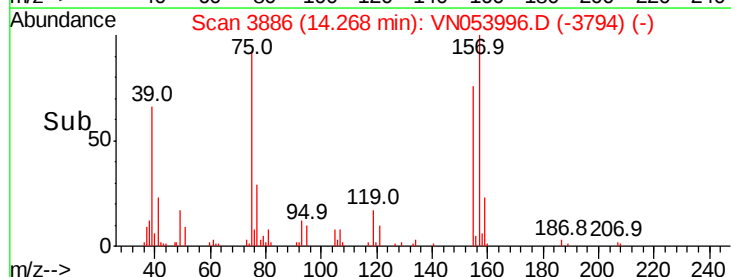
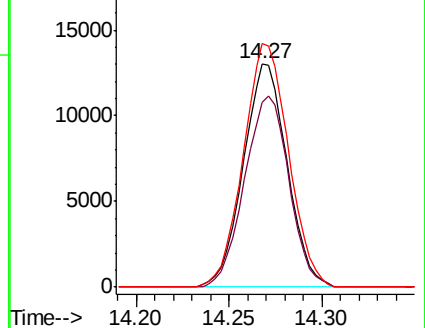
157 112.4 64.8 194.6

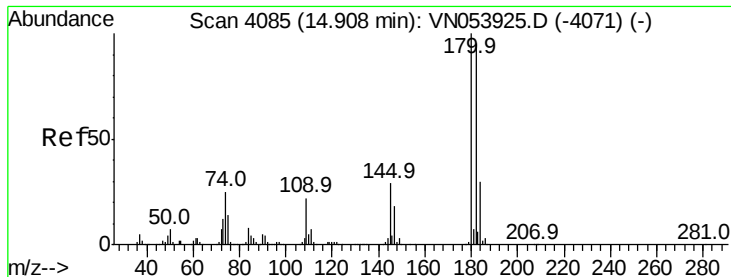


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.389 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

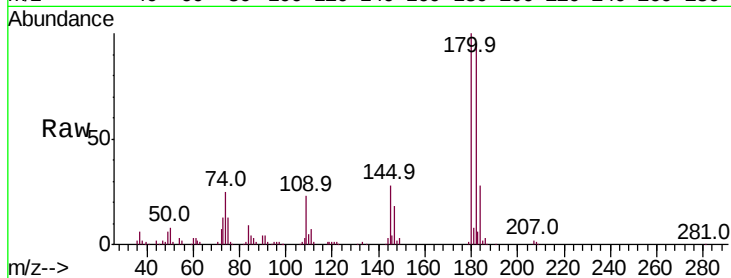
Tot Ion:180 Resp: 122640

Ion Ratio Lower Upper

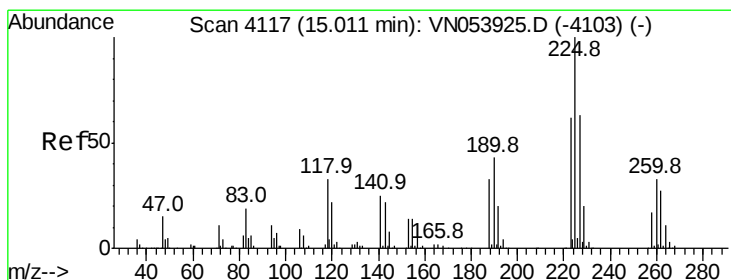
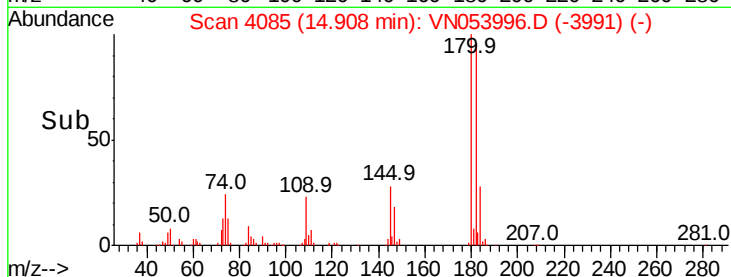
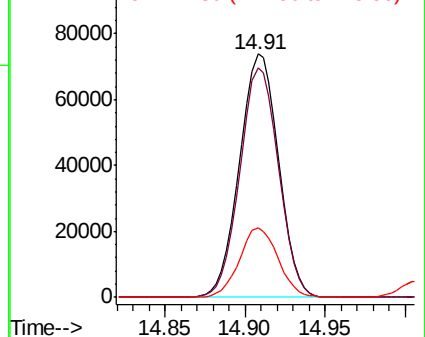
180 100

182 93.7 48.6 145.9

145 28.3 13.8 41.3



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



#94

Hexachlorobutadiene

Concen: 19.635 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053996.D

Acq: 28 Feb 2019 11:17

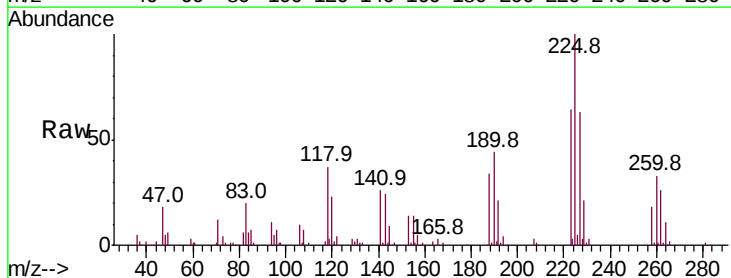
Tgt Ion:225 Resp: 92576

Ion Ratio Lower Upper

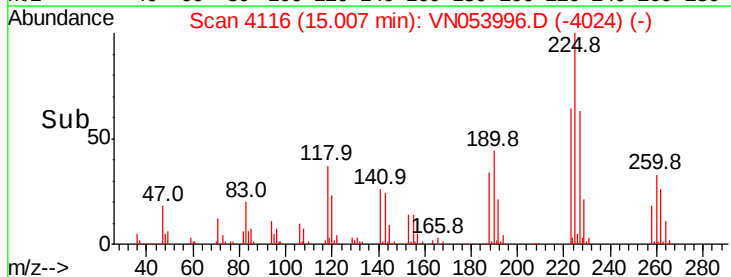
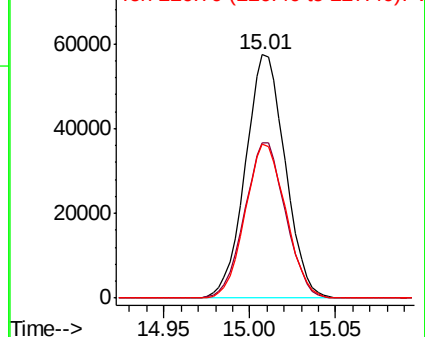
225 100

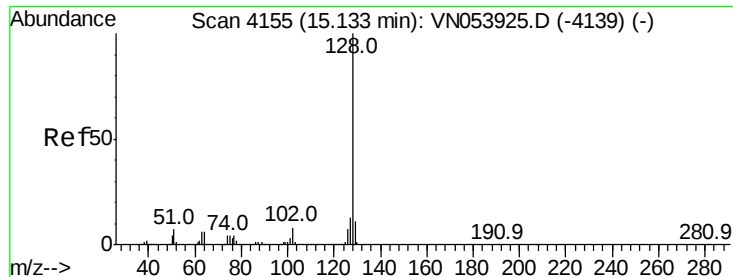
223 64.9 30.9 92.5

227 64.2 32.5 97.4



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

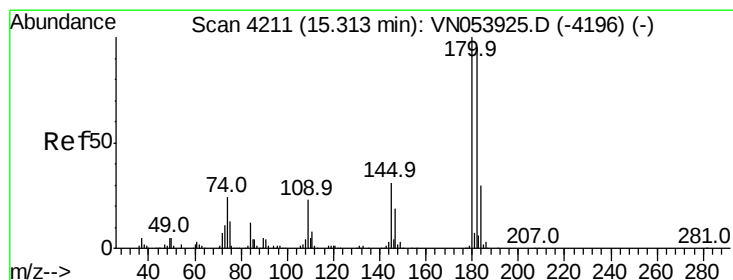
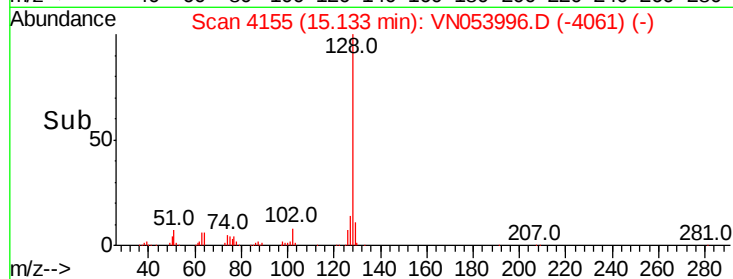
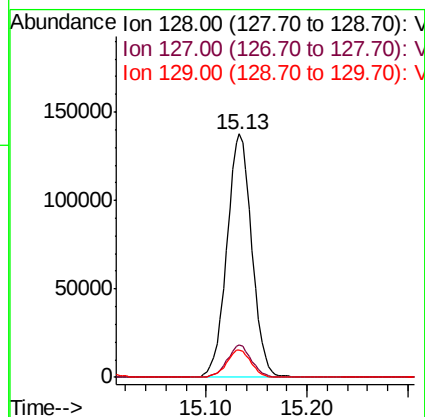
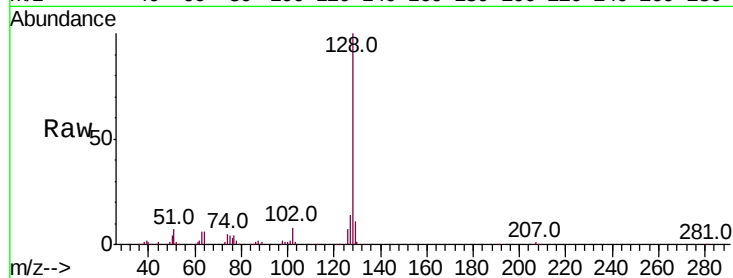




#95
Naphthalene
Concen: 17.415 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 237009
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.776 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053996.D
Acq: 28 Feb 2019 11:17

Tgt Ion:180 Resp: 123572
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.8
145 30.2 14.4 43.0

