

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN054014.D
 Acq On : 28 Feb 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:58:42 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	621791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427311	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	385488	52.89	ug/l	0.00
Spiked Amount						
			Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	342590	50.29	ug/l	0.00
Spiked Amount						
			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1272236	50.16	ug/l	0.00
Spiked Amount						
			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	426148	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	280221	48.968	ug/l	99
3) Chloromethane	2.06	50	399033	50.271	ug/l	98
4) Vinyl Chloride	2.19	62	397311	49.957	ug/l	99
5) Bromomethane	2.57	94	239917	45.550	ug/l	100
6) Chloroethane	2.71	64	240839	48.692	ug/l	100
7) Trichlorofluoromethane	3.02	101	494480	48.668	ug/l	100
8) Diethyl Ether	3.41	74	194410	51.072	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	312674	48.726	ug/l	94
10) Methyl Iodide	3.95	142	462048	54.798	ug/l	98
11) Tert butyl alcohol	4.77	59	108745	235.346	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	303104	49.381	ug/l	94
13) Acrolein	3.61	56	110578	231.144	ug/l	96
14) Allyl chloride	4.33	41	569821	52.930	ug/l	97
15) Acrylonitrile	4.99	53	631927	259.486	ug/l	99
16) Acetone	3.81	43	482873	250.282	ug/l	94
17) Carbon Disulfide	4.06	76	915304	46.224	ug/l	99
18) Methyl Acetate	4.32	43	273414	53.646	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	869564	52.810	ug/l	98
20) Methylene Chloride	4.55	84	356094	49.362	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	329676	49.625	ug/l	93
22) Diisopropyl ether	5.95	45	1140701	54.923	ug/l	97
23) Vinyl Acetate	5.90	43	4030308	269.751	ug/l	95
24) 1,1-Dichloroethane	5.85	63	653078	51.276	ug/l	98
25) 2-Butanone	6.83	43	720967	251.916	ug/l	94
26) 2,2-Dichloropropane	6.83	77	452329	49.988	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	381602	51.650	ug/l	94
28) Bromochloromethane	7.19	49	304547	52.240	ug/l	81
29) Tetrahydrofuran	7.21	42	485623	254.806	ug/l	91
30) Chloroform	7.37	83	635594	51.465	ug/l	99
31) Cyclohexane	7.65	56	607916	52.174	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	514932	50.568	ug/l	97
36) 1,1-Dichloropropene	7.79	75	483995	49.399	ug/l	97
37) Ethyl Acetate	6.93	43	328253	46.921	ug/l	96
38) Carbon Tetrachloride	7.77	117	455685	44.720	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	564326	47.788	ug/l	94
40) Benzene	8.04	78	1455004	48.341	ug/l	100
41) Methacrylonitrile	7.17	41	178995	39.735	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	456339	48.972	ug/l	98
43) Isopropyl Acetate	8.16	43	563512	47.707	ug/l #	90
44) Trichloroethene	8.83	130	380293	47.659	ug/l	94
45) 1,2-Dichloropropane	9.12	63	396506	48.828	ug/l	100
46) Dibromomethane	9.21	93	224679	47.658	ug/l	93
47) Bromodichloromethane	9.40	83	482305	48.545	ug/l	99
48) Methyl methacrylate	9.20	41	275340	50.678	ug/l	94
49) 1,4-Dioxane	9.20	88	67423	916.221	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	1550932	255.517	ug/l	95
52) Toluene	10.16	92	865396	48.829	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	490142	50.703	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571448	50.144	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	317383	47.951	ug/l	99
56) Ethyl methacrylate	10.43	69	407620	47.086	ug/l	90
57) 1,3-Dichloropropane	10.71	76	550567	49.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	542307	140.523	ug/l	95
59) 2-Hexanone	10.75	43	972622	246.379	ug/l	94
60) Dibromochloromethane	10.90	129	346201	47.064	ug/l	99
61) 1,2-Dibromoethane	11.01	107	305948	47.917	ug/l	99
64) Tetrachloroethene	10.63	164	370659	47.196	ug/l	97
65) Chlorobenzene	11.43	112	927289	47.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	341494	48.408	ug/l	99
67) Ethyl Benzene	11.51	91	1618285	49.317	ug/l	99
68) m/p-Xylenes	11.62	106	1225755	98.973	ug/l	96
69) o-Xylene	11.95	106	590627	48.535	ug/l	96
70) Styrene	11.96	104	966505	51.637	ug/l	98
71) Bromoform	12.13	173	229683	46.800	ug/l #	99
73) Isopropylbenzene	12.25	105	1573821	47.314	ug/l	98
74) N-amyl acetate	12.07	43	446152	51.175	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	377085	45.333	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	469806	68.537	ug/l #	100
77) Bromobenzene	12.53	156	405725	48.042	ug/l	92
78) n-propylbenzene	12.59	91	1857002	49.089	ug/l	97
79) 2-Chlorotoluene	12.68	91	1078707	47.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1322452	48.563	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102587	47.301	ug/l	93
82) 4-Chlorotoluene	12.77	91	1092558	48.645	ug/l	97
83) tert-Butylbenzene	12.99	119	1166866	48.449	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1353199	49.775	ug/l	98
85) sec-Butylbenzene	13.17	105	1599901	48.636	ug/l	98
86) p-Isopropyltoluene	13.29	119	1361662	48.965	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	698641	47.821	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	681165	48.058	ug/l	99
89) n-Butylbenzene	13.62	91	1192819	50.896	ug/l	98
90) Hexachloroethane	13.87	117	246655	45.771	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	684127	48.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56381	47.964	ug/l	87

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QLast Update : Thu Feb 28 04:05:45 2019
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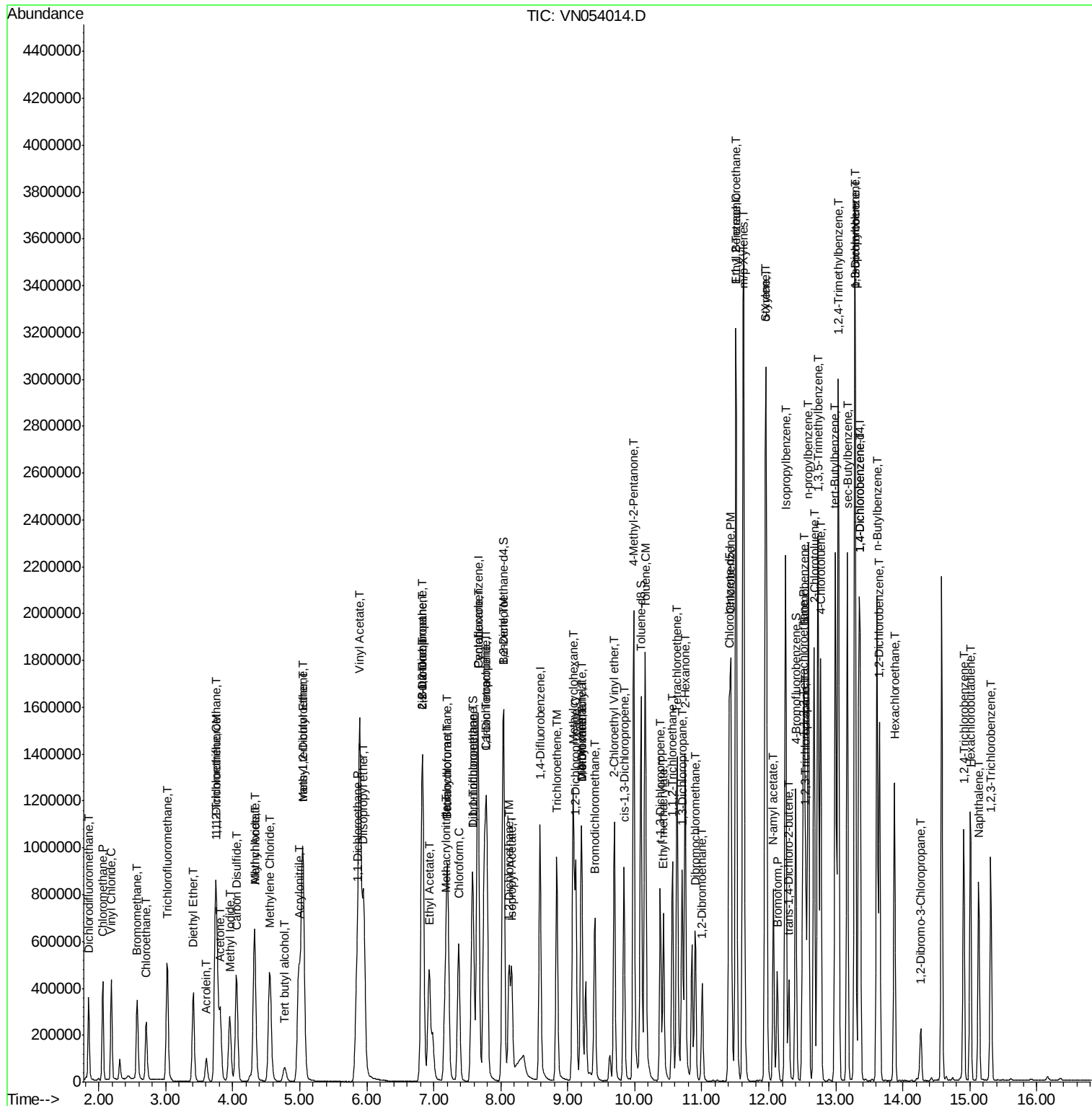
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	362874	46.370	ug/l	98
94) Hexachlorobutadiene	15.01	225	240966	47.169	ug/l	98
95) Naphthalene	15.13	128	750680	44.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	348795	46.413	ug/l	98

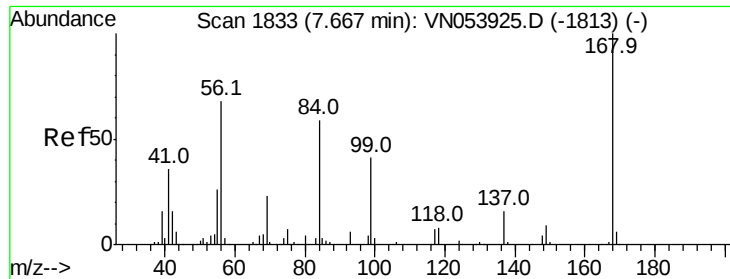
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

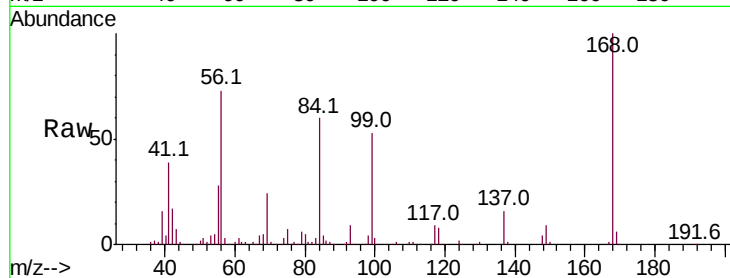
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 621791

Ion Ratio Lower Upper

168 100

99 51.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

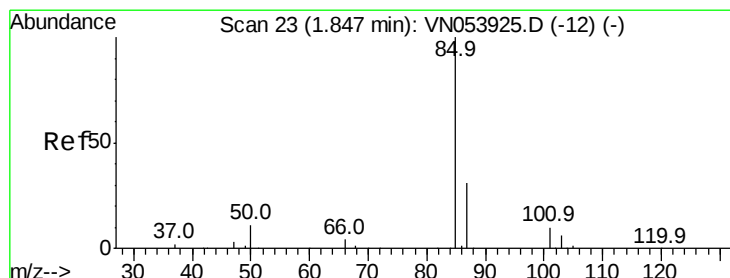
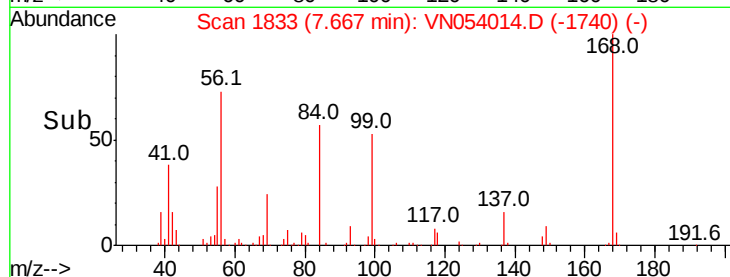
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.968 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054014.D

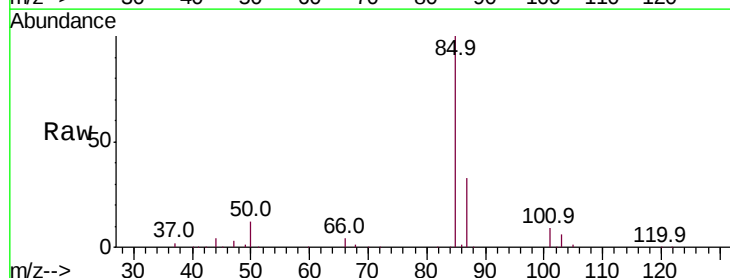
Acq: 28 Feb 2019 19:41

Tgt Ion: 85 Resp: 280221

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

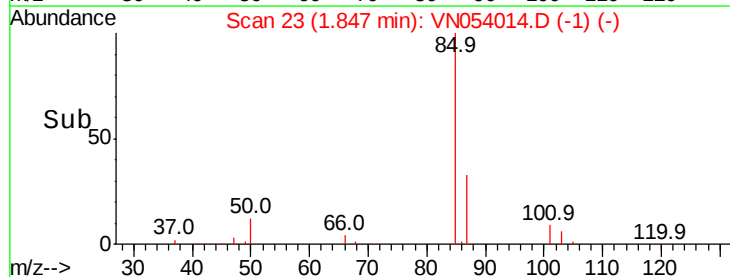
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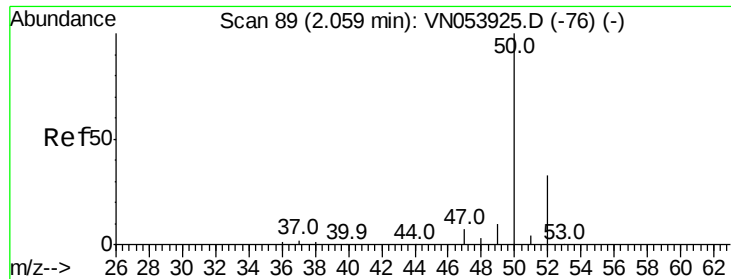
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50000

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Time-->

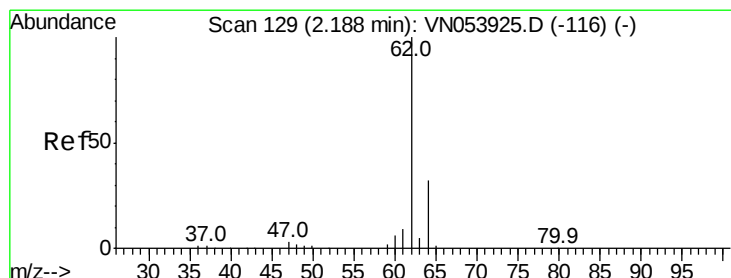
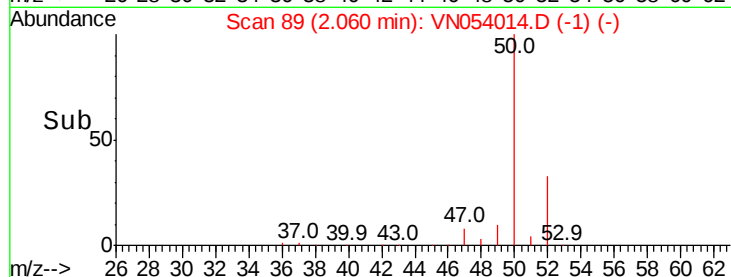
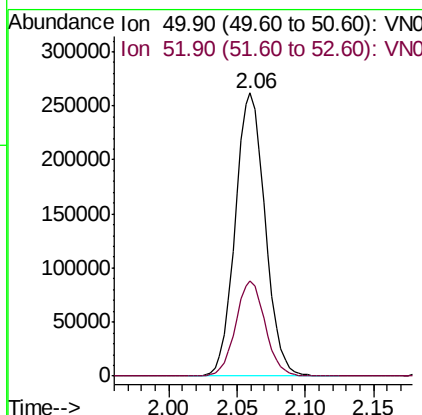
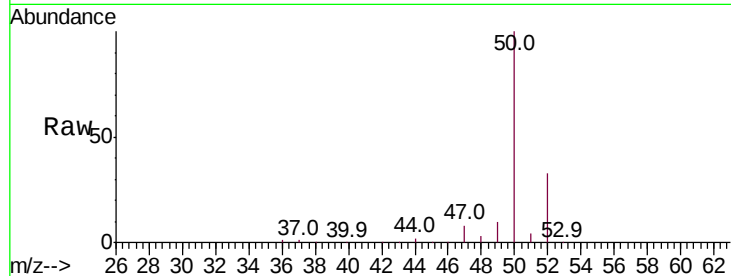




#3
Chloromethane
Concen: 50.271 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

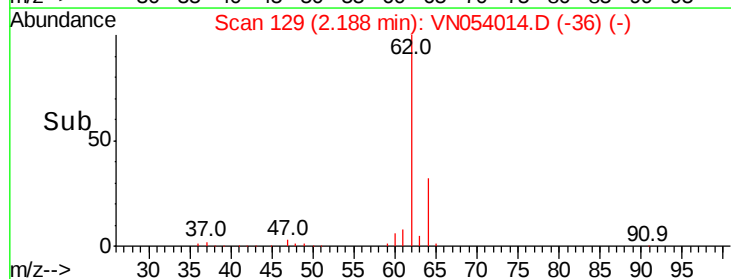
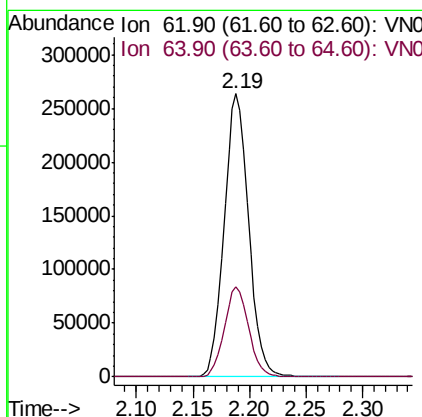
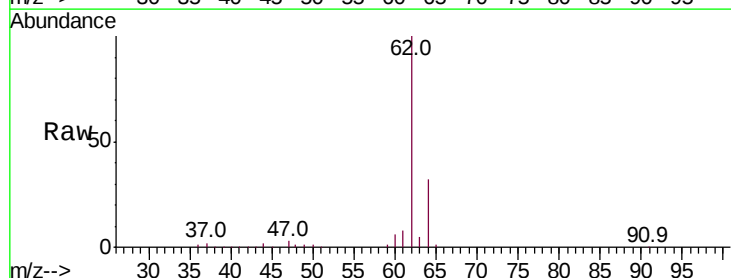
Instrument :
MSVOA_N
ClientSampled :

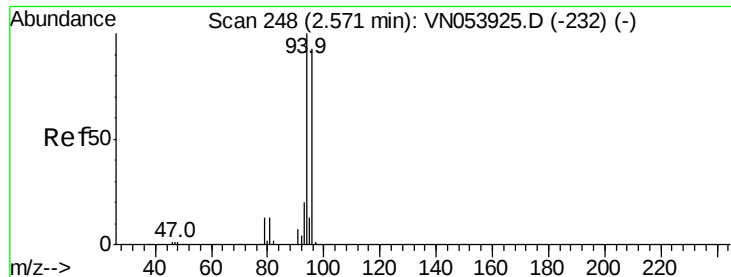
Tot Ion: 50 Resp: 399033
Ion Ratio Lower Upper
50 100
52 33.5 26.0 39.0



#4
Vinyl Chloride
Concen: 49.957 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 62 Resp: 397311
Ion Ratio Lower Upper
62 100
64 31.8 25.1 37.7

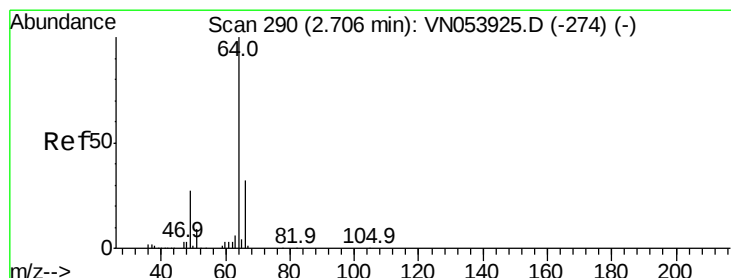
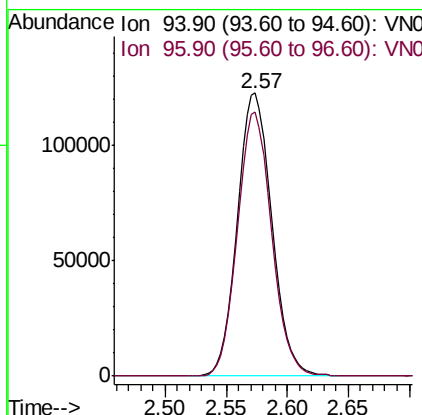
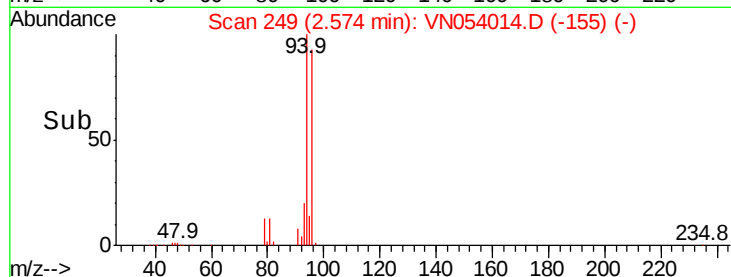
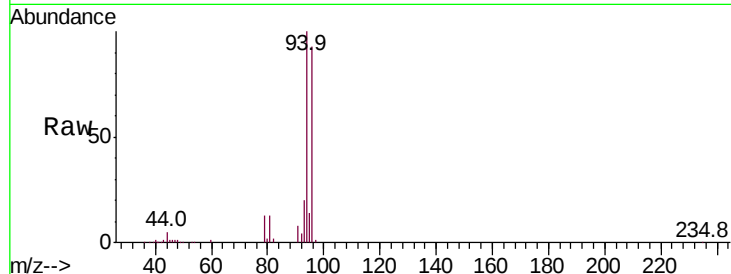




#5
Bromomethane
Concen: 45.550 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

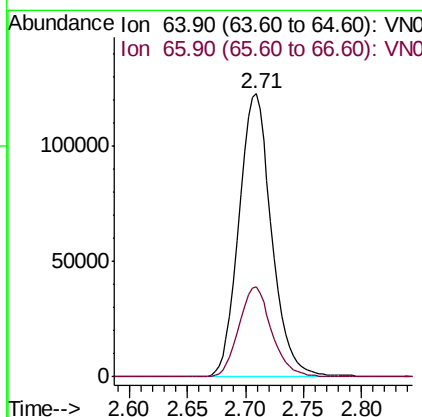
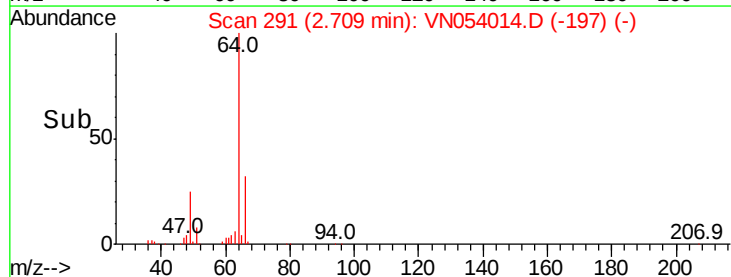
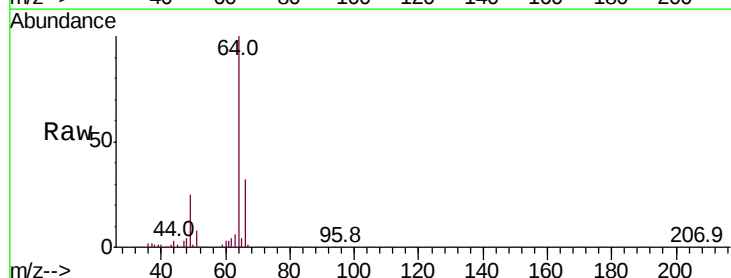
Instrument :
MSVOA_N
ClientSampled :

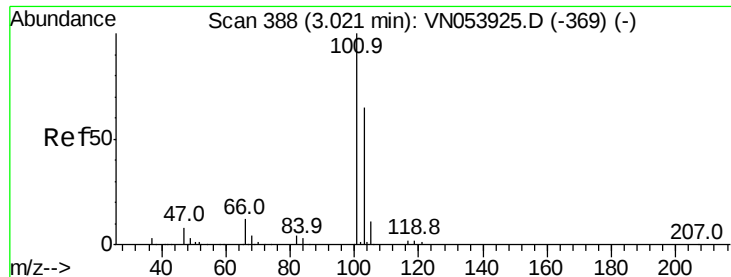
Tot Ion: 94 Resp: 239917
Ion Ratio Lower Upper
94 100
96 93.3 74.9 112.3



#6
Chloroethane
Concen: 48.692 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 64 Resp: 240839
Ion Ratio Lower Upper
64 100
66 31.6 25.5 38.3



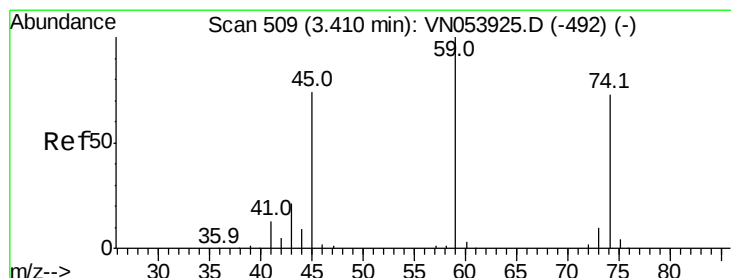
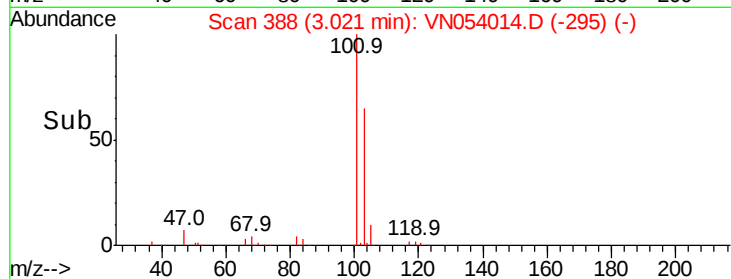
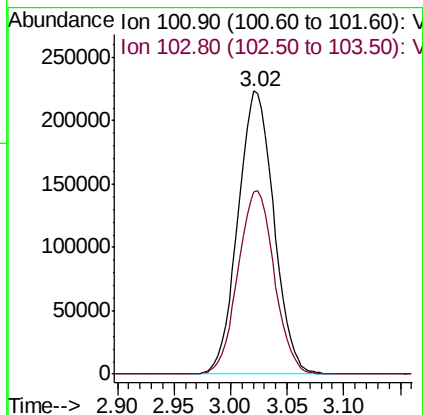
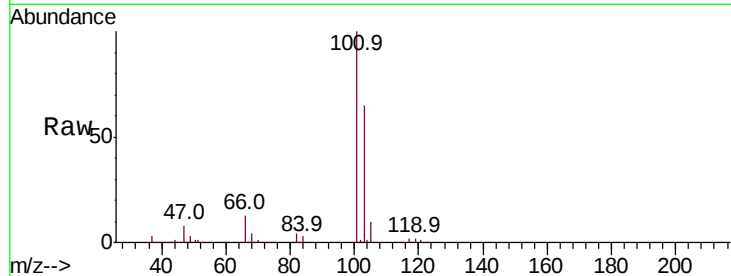


#7

Trichlorofluoromethane
 Concen: 48.668 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :

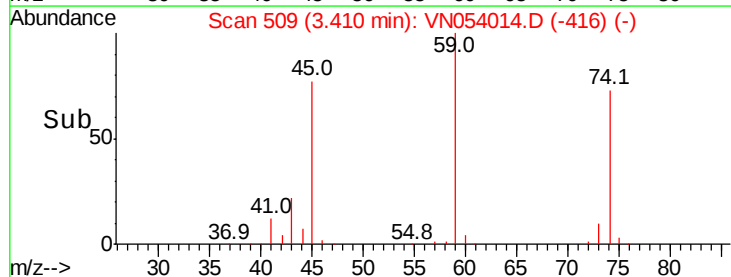
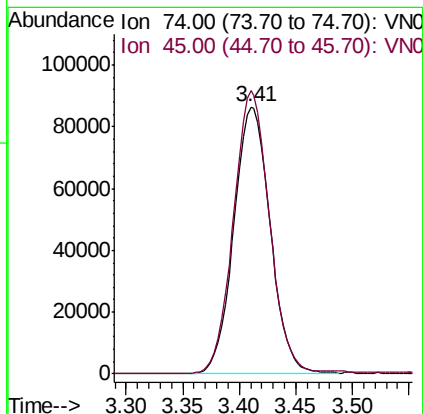
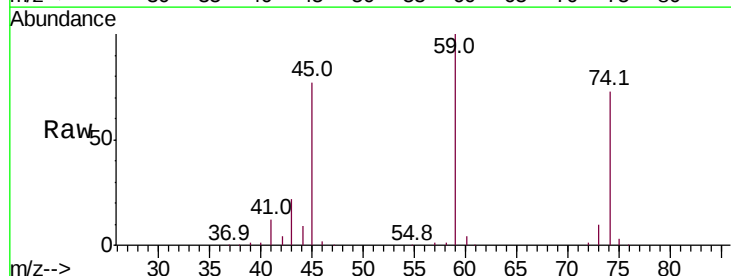
Tot Ion:101 Resp: 494480
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.9 77.9

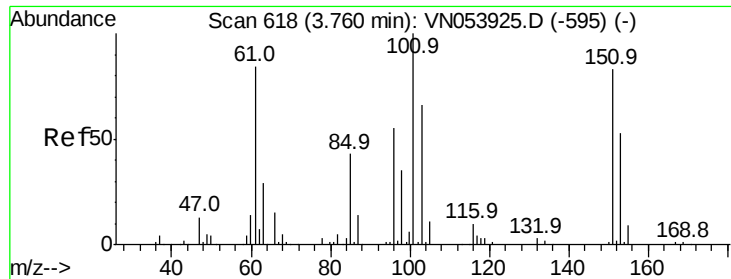


#8

Diethyl Ether
 Concen: 51.072 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 74 Resp: 194410
 Ion Ratio Lower Upper
 74 100
 45 103.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.726 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampled :

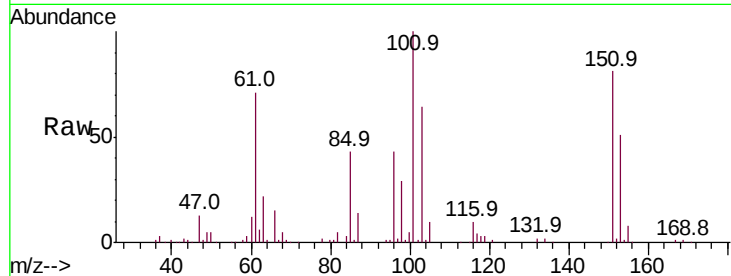
Tot Ion:101 Resp: 312674

Ion Ratio Lower Upper

101 100

85 43.8 32.5 48.7

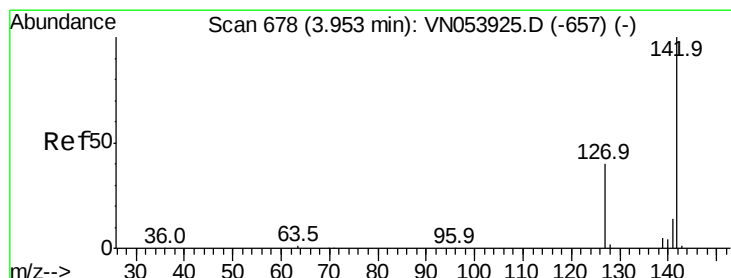
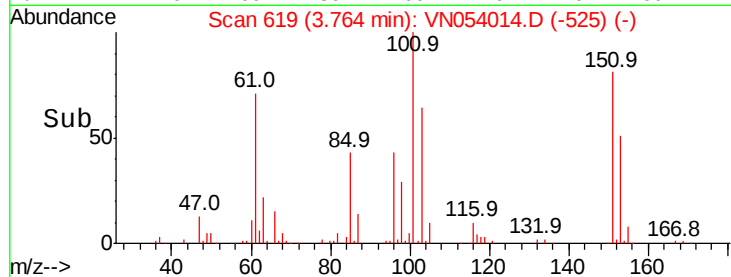
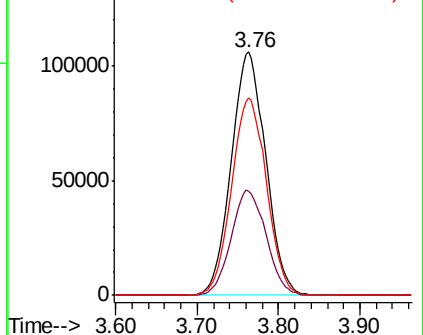
151 81.7 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.798 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

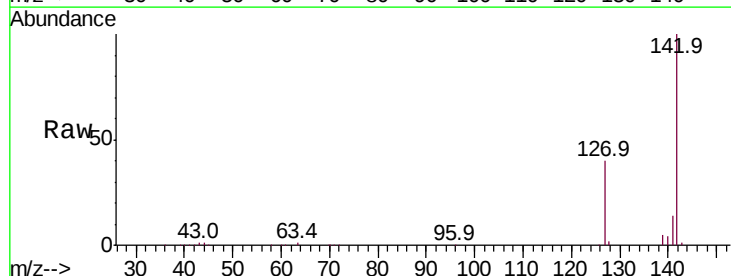
Tgt Ion:142 Resp: 462048

Ion Ratio Lower Upper

142 100

127 40.2 31.0 46.4

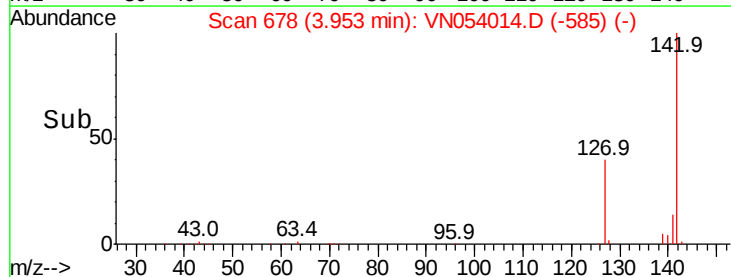
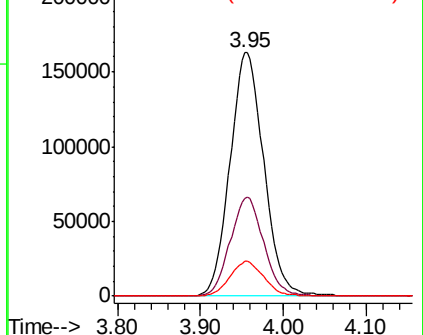
141 14.2 11.3 16.9

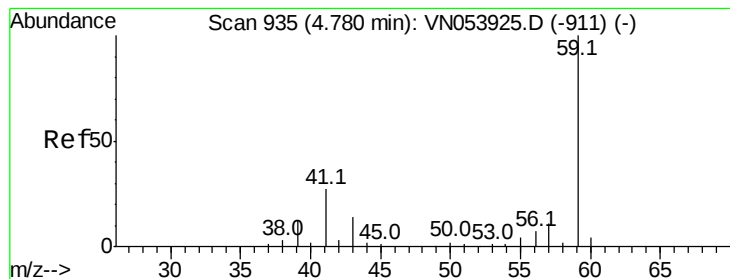


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



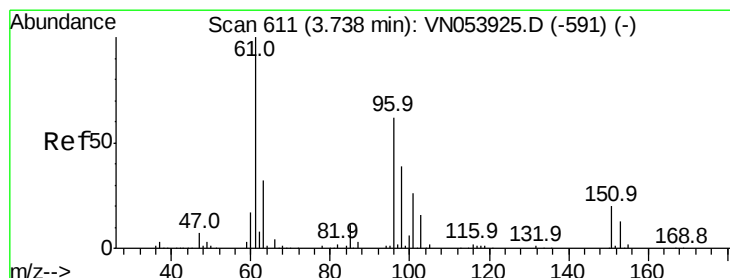
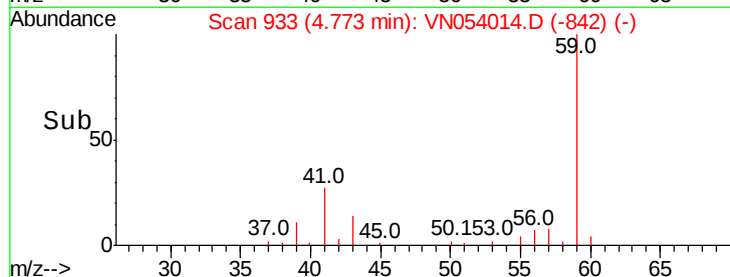
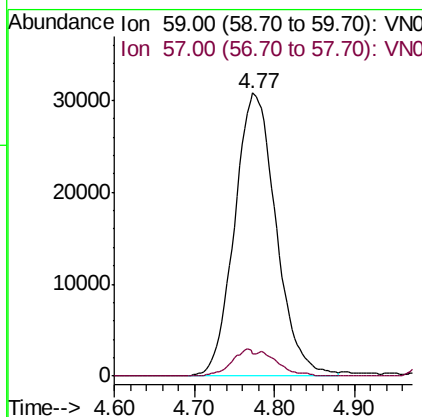
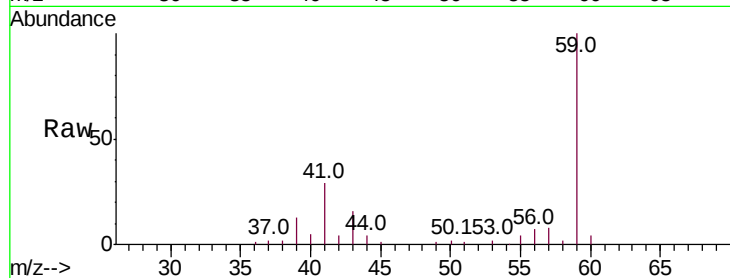


#11

Tert butyl alcohol
Concen: 235.346 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :

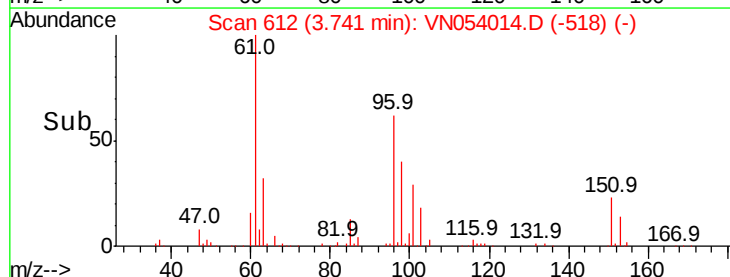
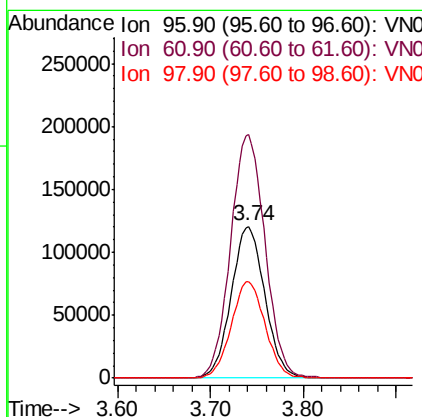
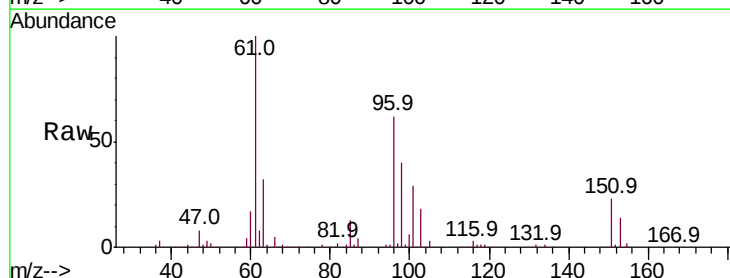
Tot Ion: 59 Resp: 108745
Ion Ratio Lower Upper
59 100
57 5.3 8.1 12.1#

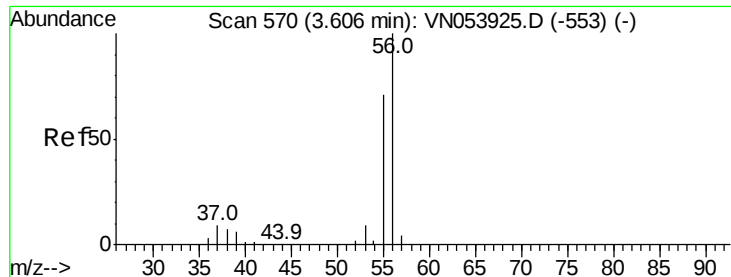


#12

1,1-Dichloroethene
Concen: 49.381 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 96 Resp: 303104
Ion Ratio Lower Upper
96 100
61 160.2 121.0 181.4
98 63.7 52.2 78.2





#13

Acrolein

Concen: 231.144 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

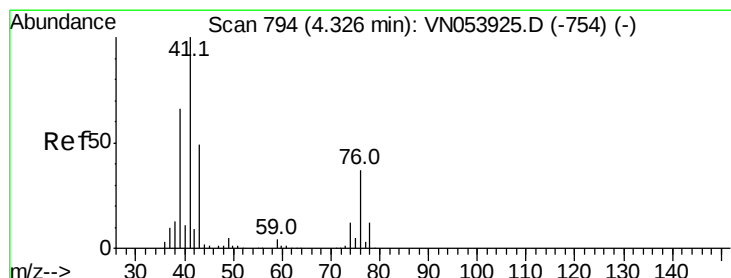
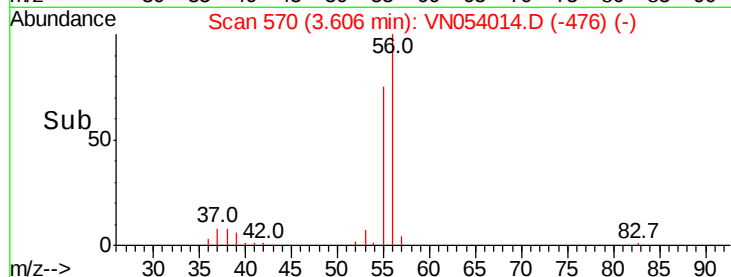
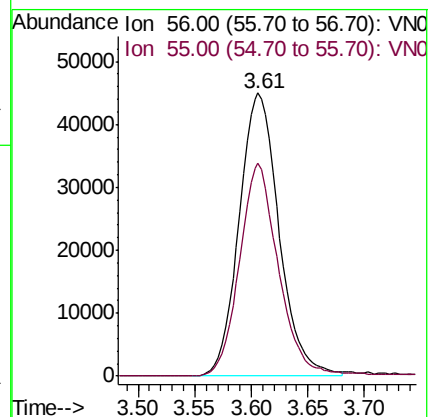
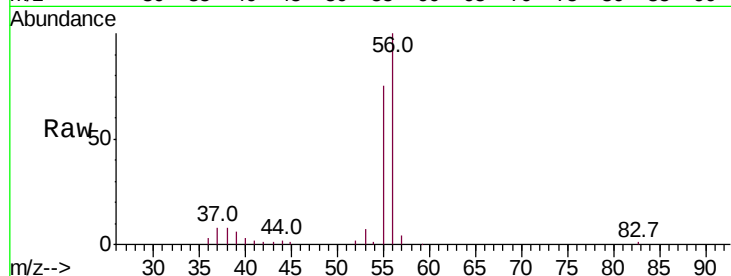
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 110578

Ion Ratio Lower Upper

56 100

55 73.6 56.3 84.5



#14

Allyl chloride

Concen: 52.930 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

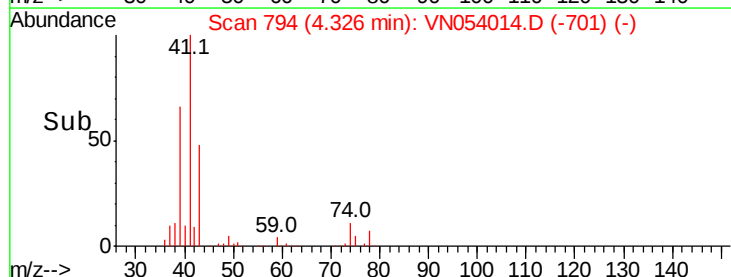
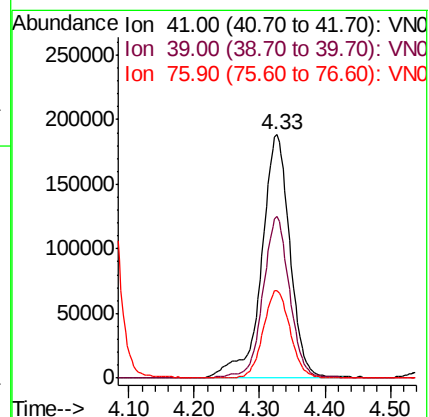
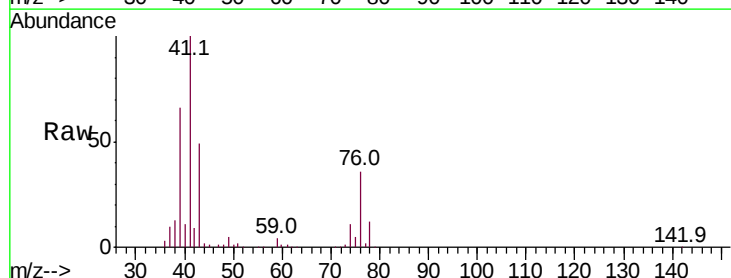
Tgt Ion: 41 Resp: 569821

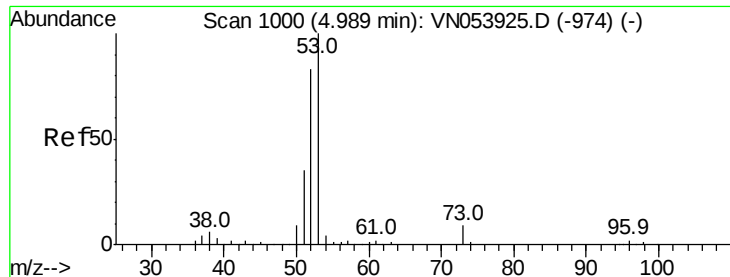
Ion Ratio Lower Upper

41 100

39 60.7 48.8 73.2

76 33.5 30.9 46.3





#15

Acrylonitrile

Concen: 259.486 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

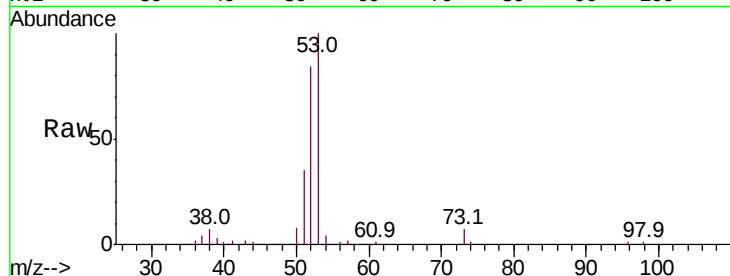
Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 631927

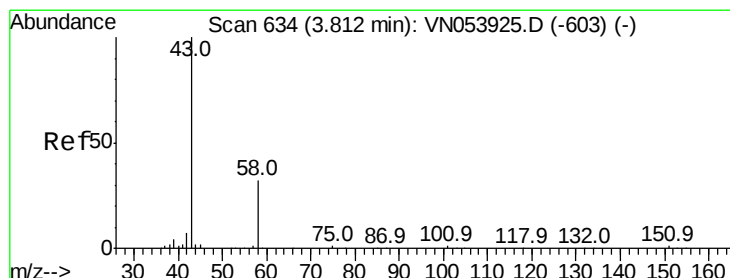
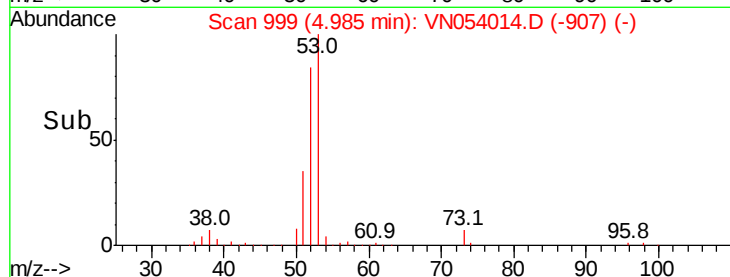
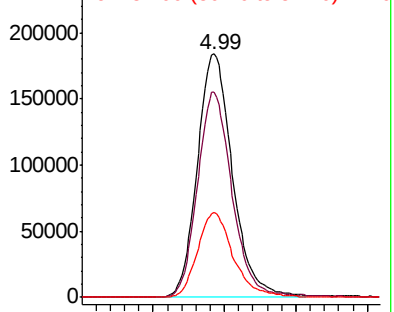
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.5	28.2	42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053925.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053925.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053925.D (-974) (-)



#16

Acetone

Concen: 250.282 ug/l

RT: 3.81 min Scan# 634

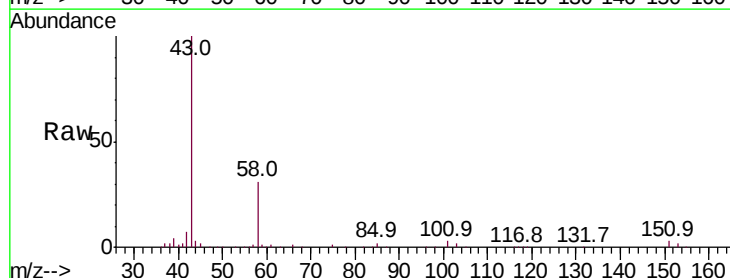
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

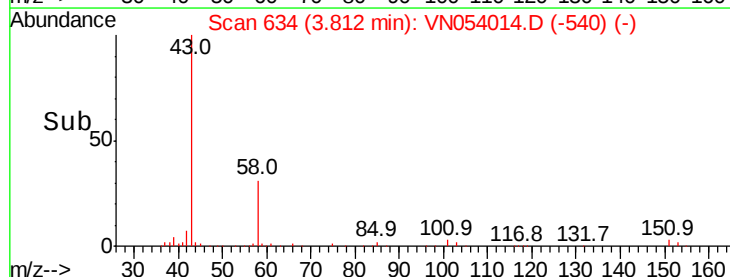
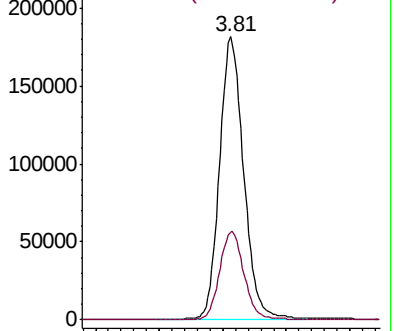
Tgt Ion: 43 Resp: 482873

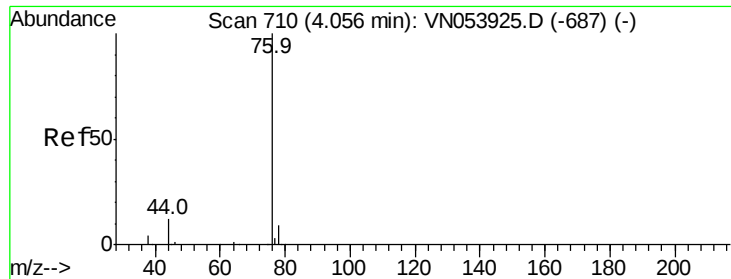
Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.6	41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)





#17

Carbon Disulfide

Concen: 46.224 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

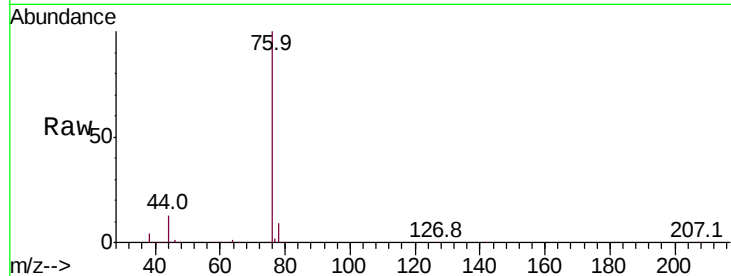
ClientSampleId :

Tot Ion: 76 Resp: 915304

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053925.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053925.D (-687) (-)

4.06

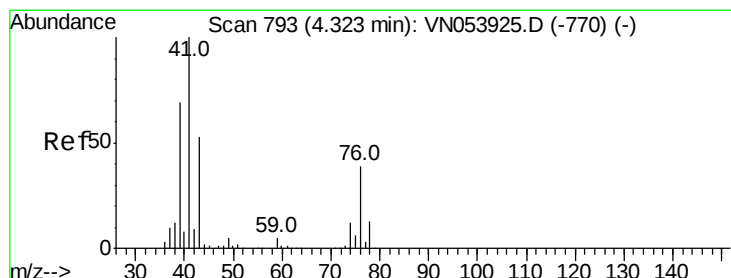
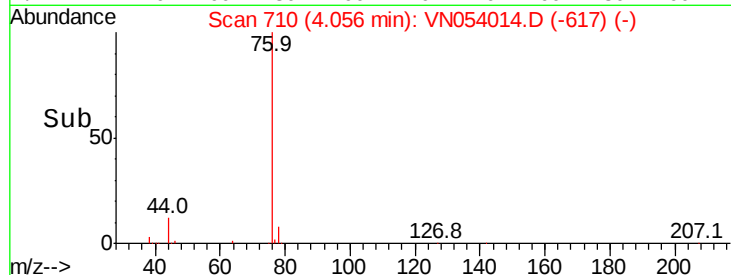
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 53.646 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054014.D

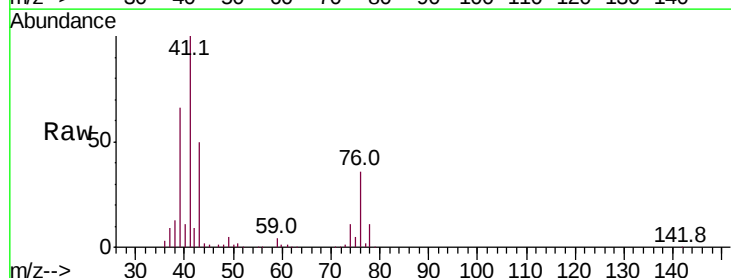
Acq: 28 Feb 2019 19:41

Tgt Ion: 43 Resp: 273414

Ion Ratio Lower Upper

43 100

74 22.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053925.D (-770) (-)

4.32

100000

80000

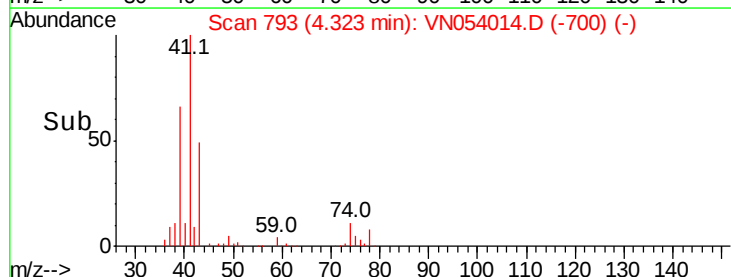
60000

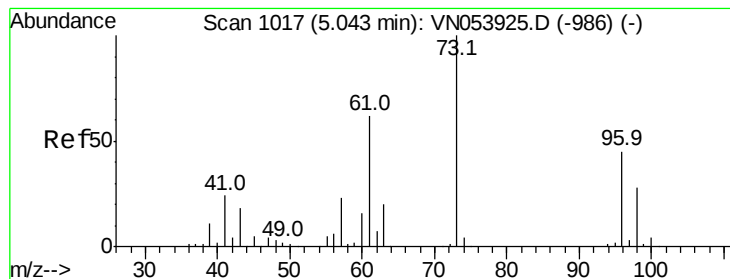
40000

20000

0

Time--> 4.20 4.30 4.40 4.50



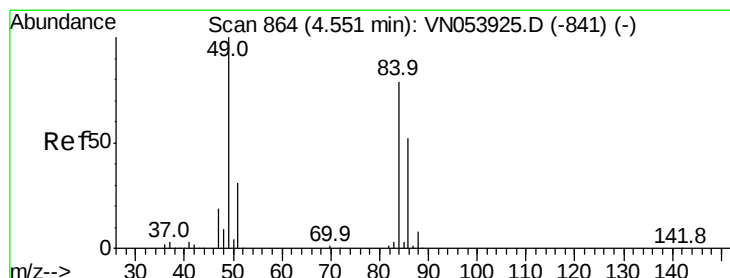
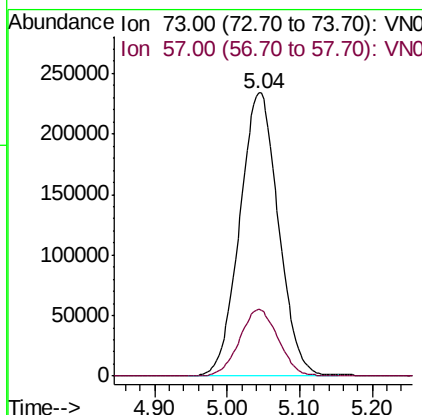
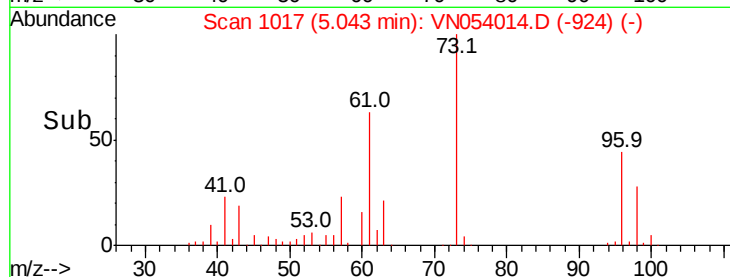
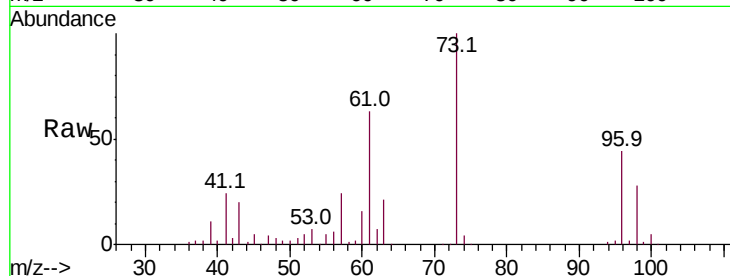


#19

Methyl tert-butyl Ether
 Concen: 52.810 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampled :

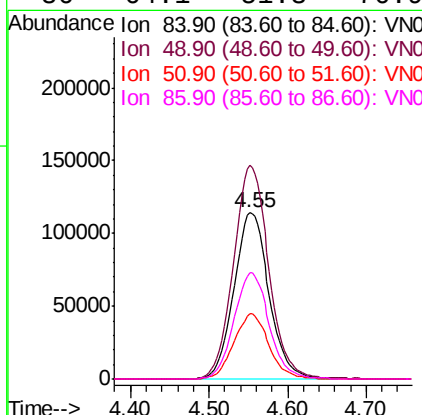
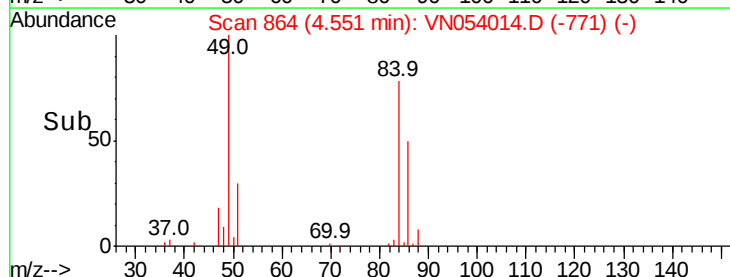
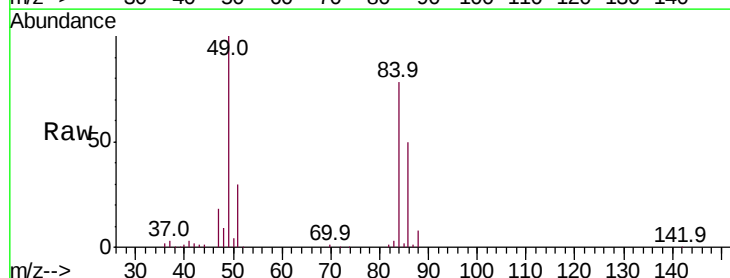
Tot Ion: 73 Resp: 869564
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.0 27.0

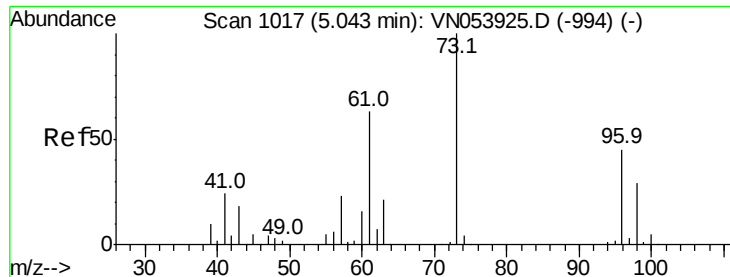


#20

Methylene Chloride
 Concen: 49.362 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 84 Resp: 356094
 Ion Ratio Lower Upper
 84 100
 49 128.4 89.7 134.5
 51 39.1 27.8 41.8
 86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.625 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

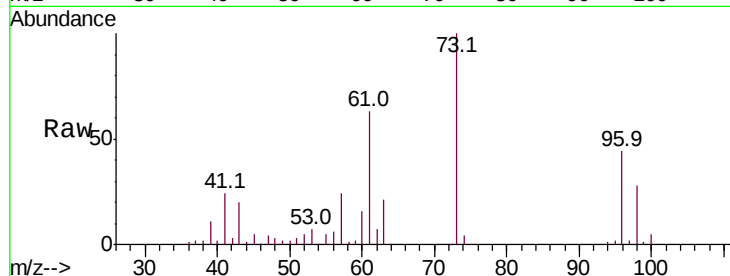
Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 329676

Ion	Ratio	Lower	Upper
96	100		
61	142.0	104.5	156.7
98	63.1	50.6	76.0

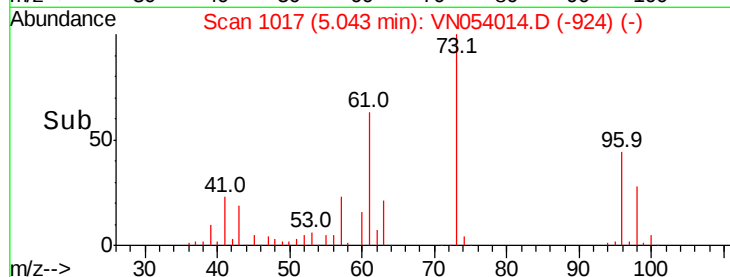


Abundance

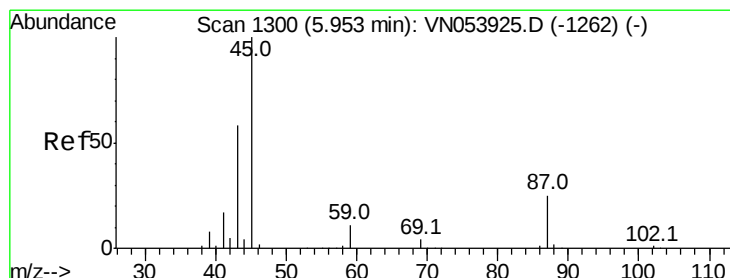
Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#22

Diisopropyl ether

Concen: 54.923 ug/l

RT: 5.95 min Scan# 1300

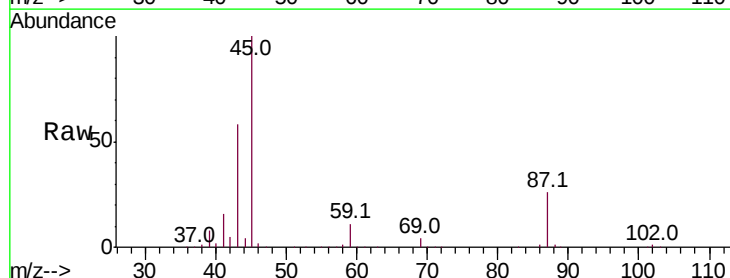
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion: 45 Resp: 1140701

Ion	Ratio	Lower	Upper
45	100		
43	57.6	46.2	69.4
87	25.4	23.4	35.0
59	10.8	9.4	14.0



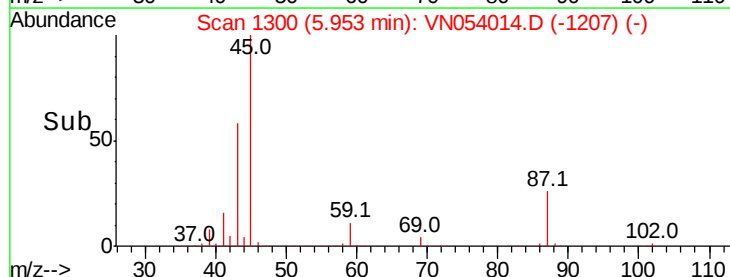
Abundance

Ion 45.00 (44.70 to 45.70): VN0

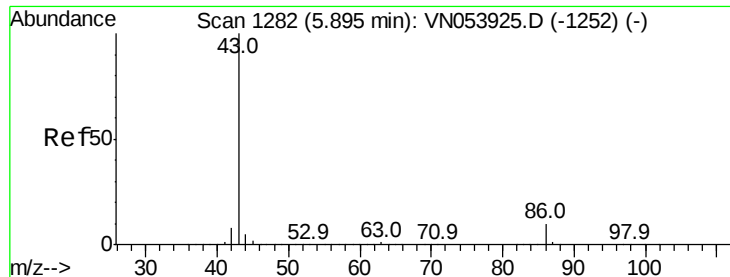
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



Time-->



#23

Vinyl Acetate

Concen: 269.751 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

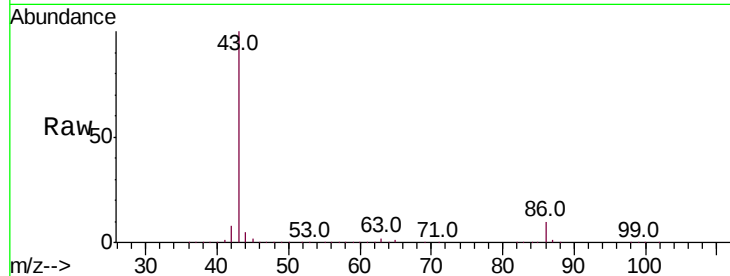
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4030308

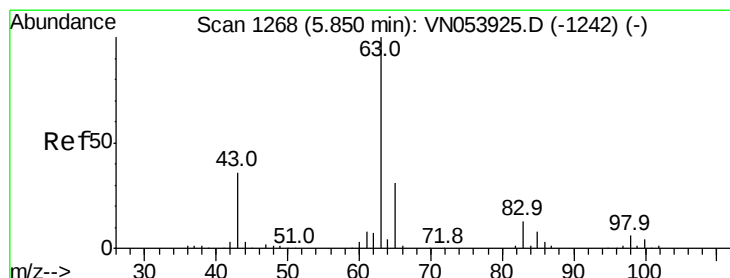
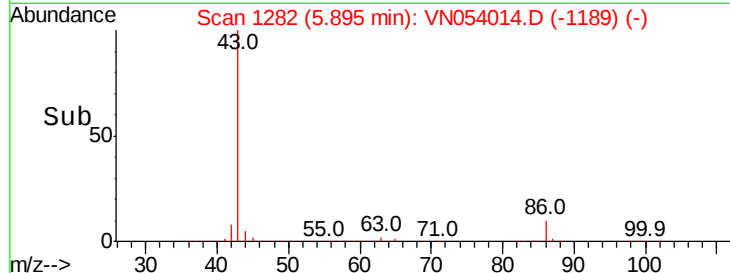
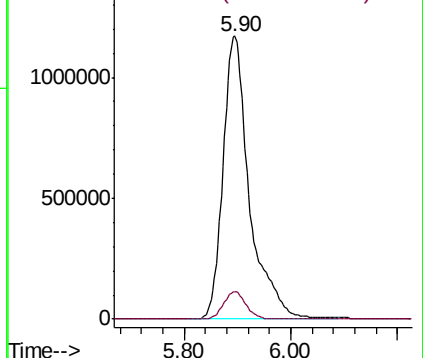
Ion Ratio Lower Upper

43 100

86 9.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 51.276 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

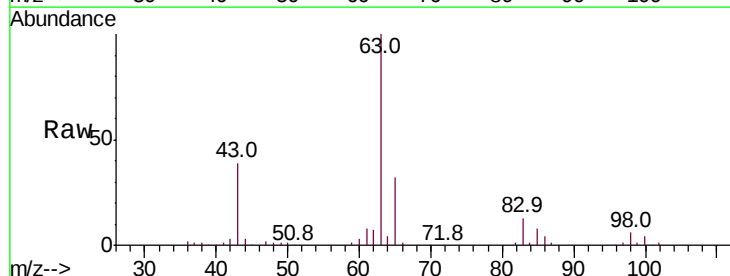
Tgt Ion: 63 Resp: 653078

Ion Ratio Lower Upper

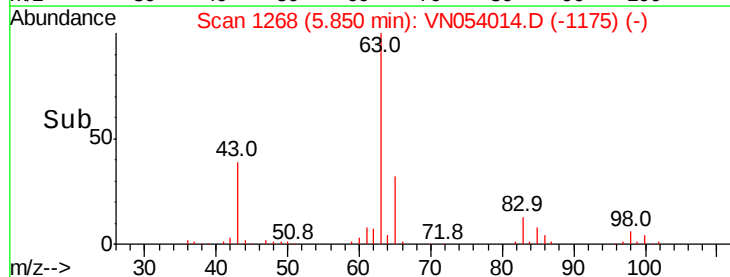
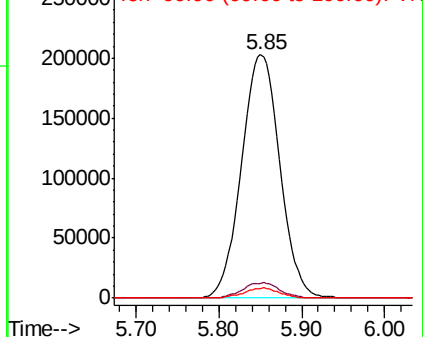
63 100

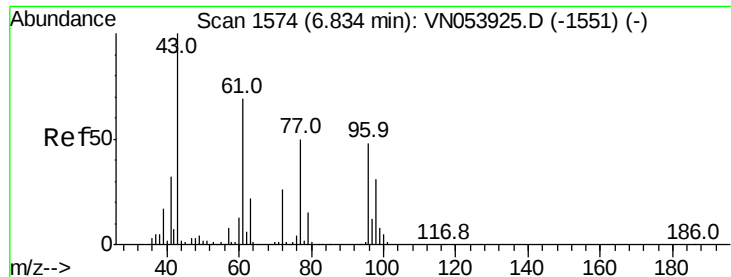
98 6.2 3.4 10.2

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO

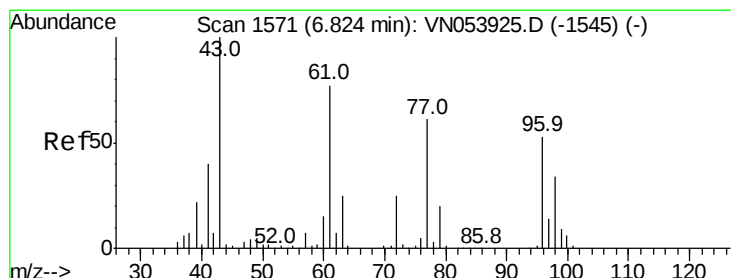
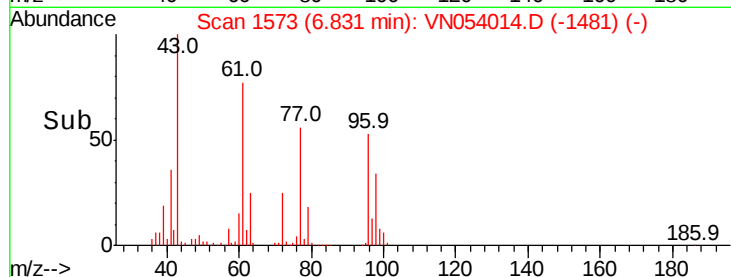
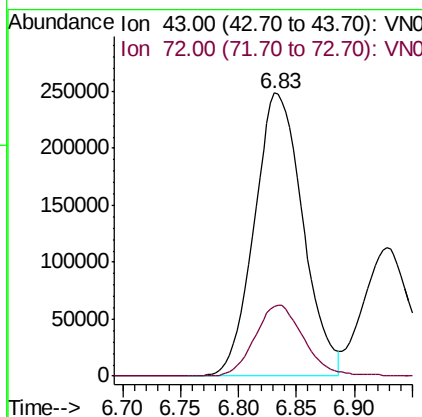
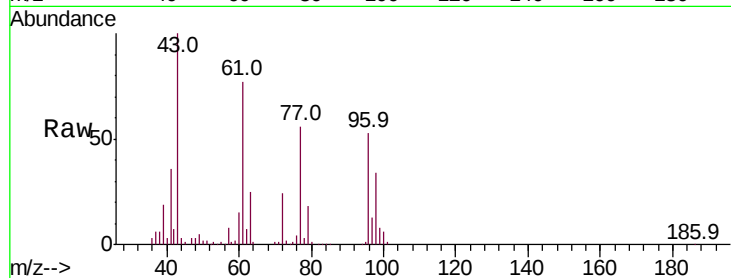




#25
2-Butanone
Concen: 251.916 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

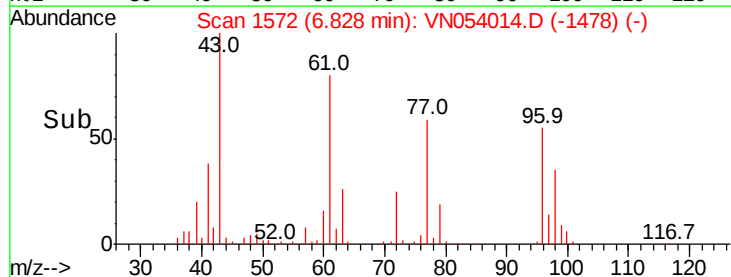
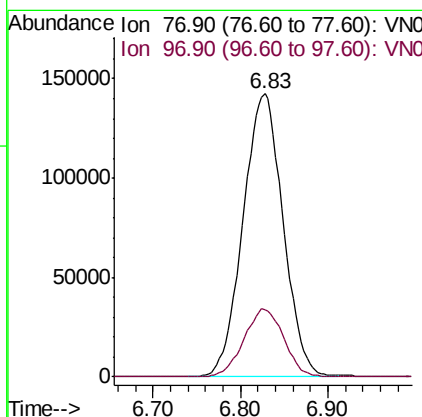
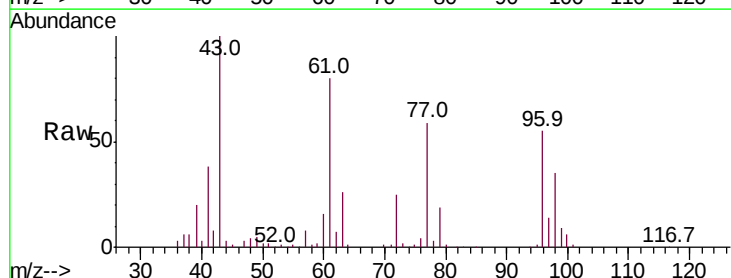
Instrument :
MSVOA_N
ClientSampleId :

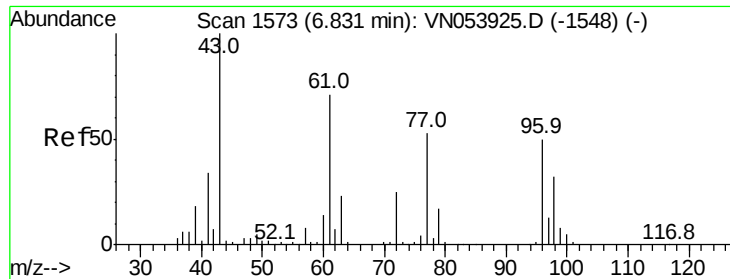
Tot Ion: 43 Resp: 720967
Ion Ratio Lower Upper
43 100
72 24.5 22.1 33.1



#26
2,2-Dichloropropane
Concen: 49.988 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 77 Resp: 452329
Ion Ratio Lower Upper
77 100
97 23.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 51.650 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :

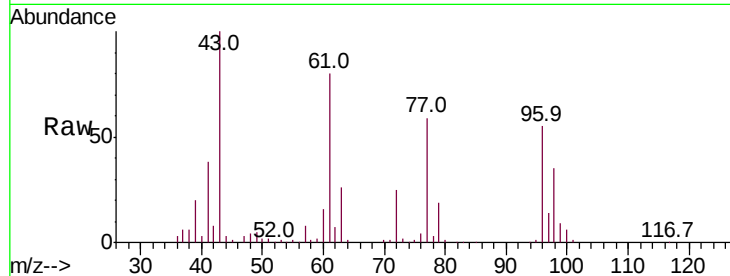
Tot Ion: 96 Resp: 381602

Ion Ratio Lower Upper

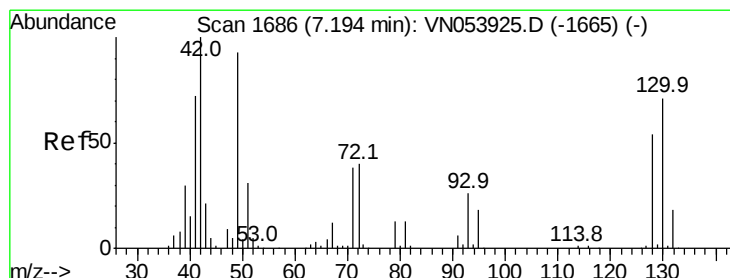
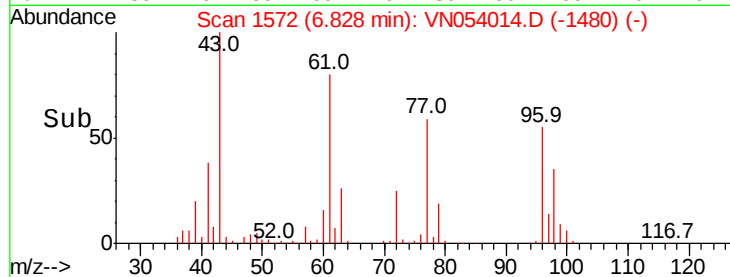
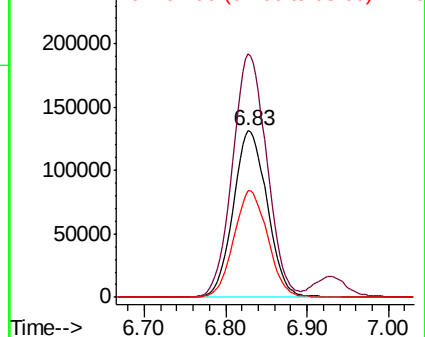
96 100

61 147.6 0.0 275.6

98 64.0 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: 52.240 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

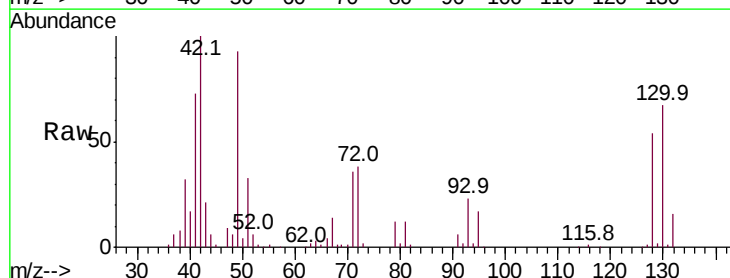
Tgt Ion: 49 Resp: 304547

Ion Ratio Lower Upper

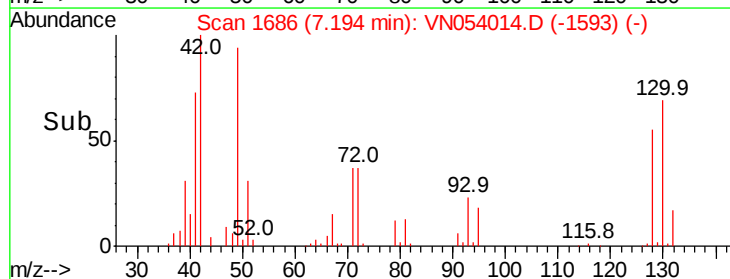
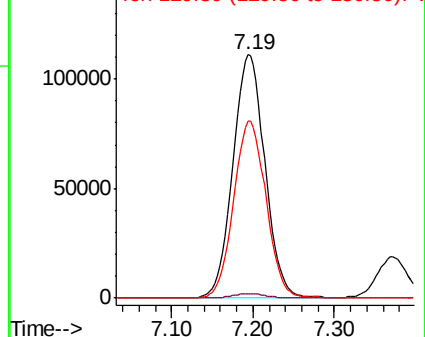
49 100

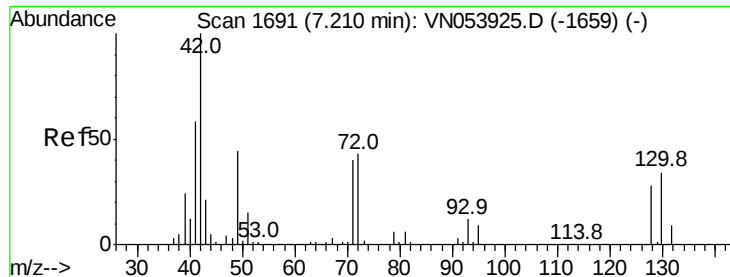
129 1.8 0.0 4.6

130 73.1 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

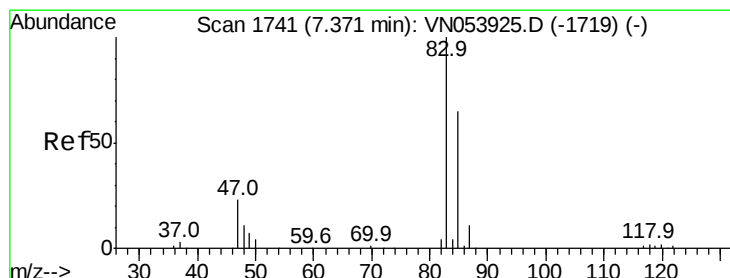
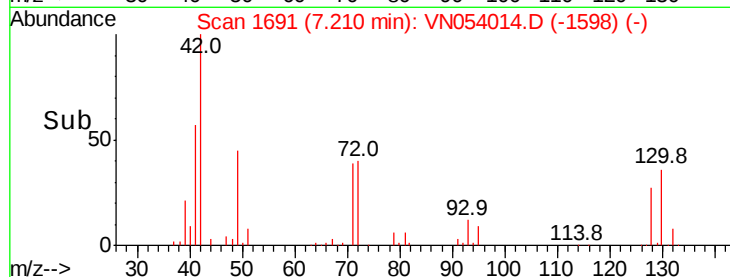
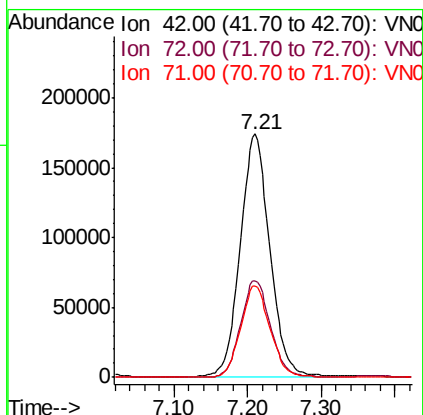
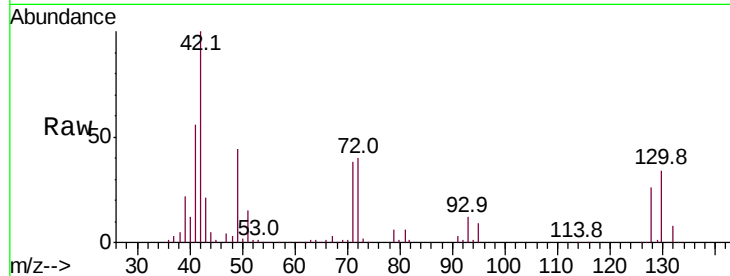




#29
Tetrahydrofuran
Concen: 254.806 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

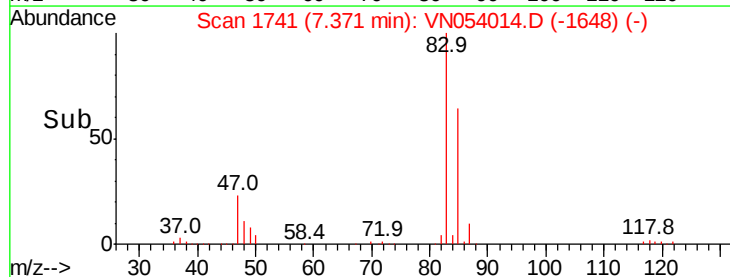
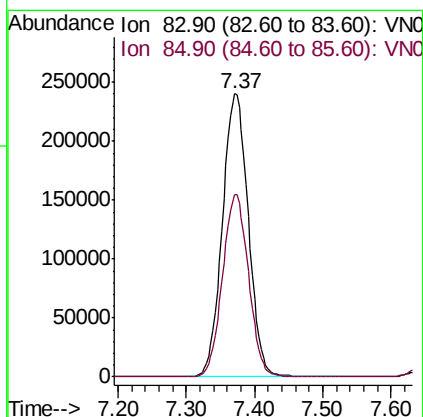
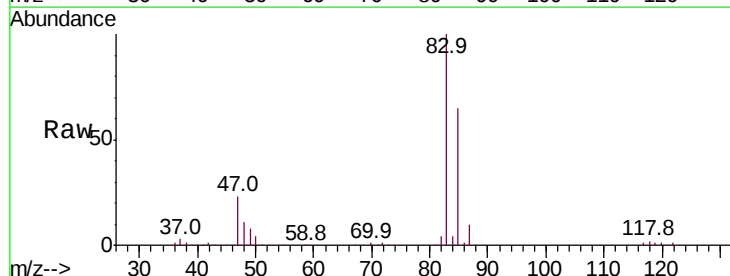
Instrument :
MSVOA_N
ClientSampleId :

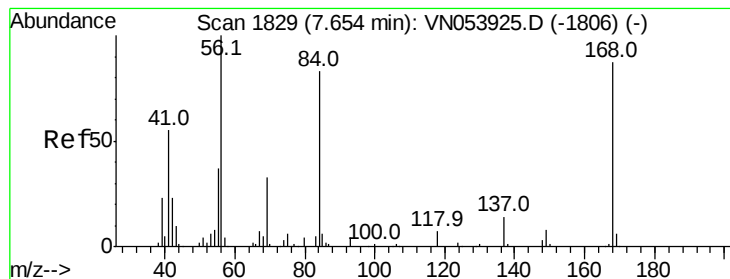
Tot Ion: 42 Resp: 485623
Ion Ratio Lower Upper
42 100
72 40.2 36.9 55.3
71 37.7 34.6 52.0



#30
Chloroform
Concen: 51.465 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 83 Resp: 635594
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8





#31

Cyclohexane

Concen: 52.174 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :

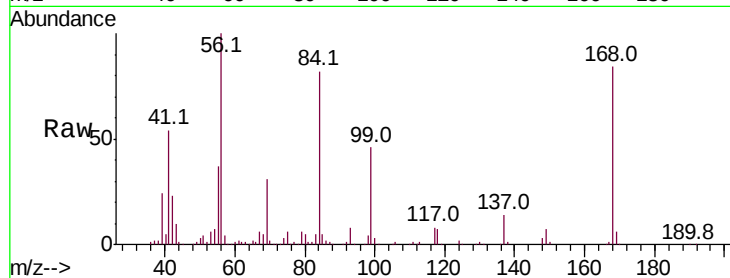
Tot Ion: 56 Resp: 607916

Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.0	39.0
84	80.8	69.1	103.7

56 100

69 30.9 26.0 39.0

84 80.8 69.1 103.7

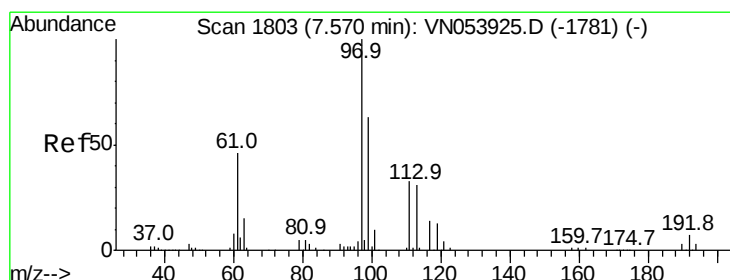
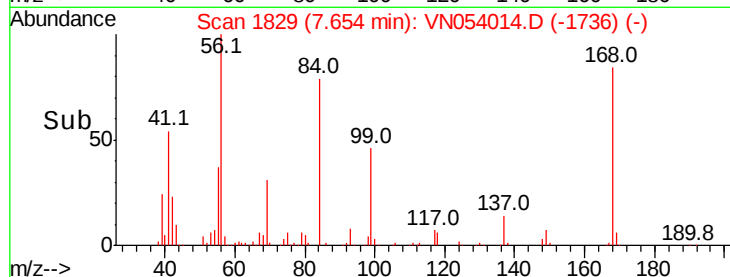
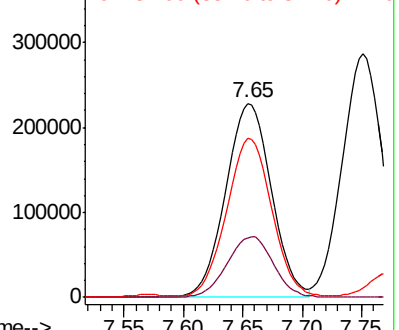


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.568 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

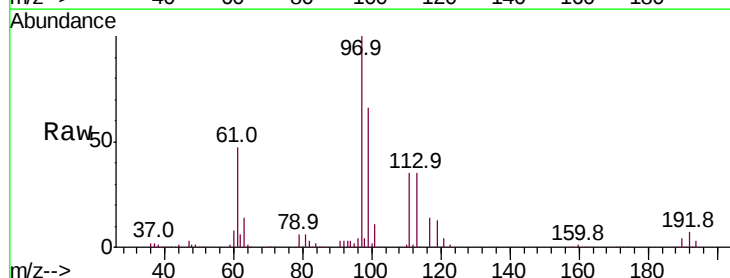
Tgt Ion: 97 Resp: 514932

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	46.6	33.2	49.8

97 100

99 65.0 51.8 77.8

61 46.6 33.2 49.8

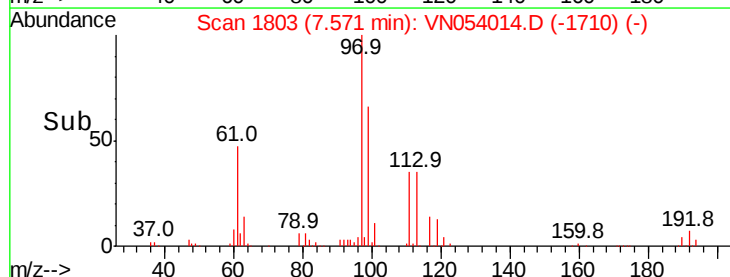
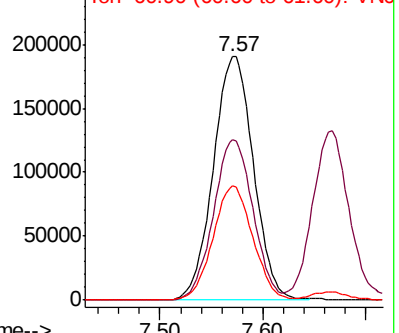


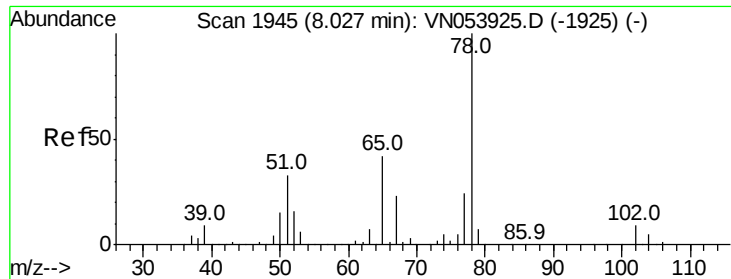
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

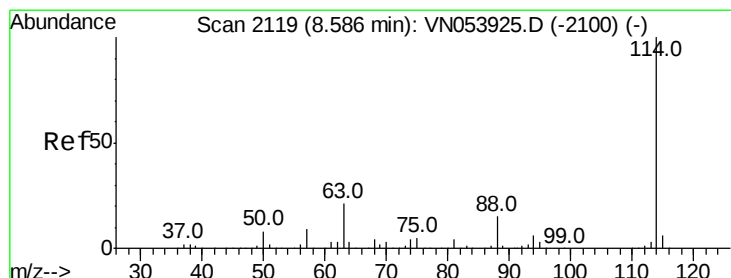
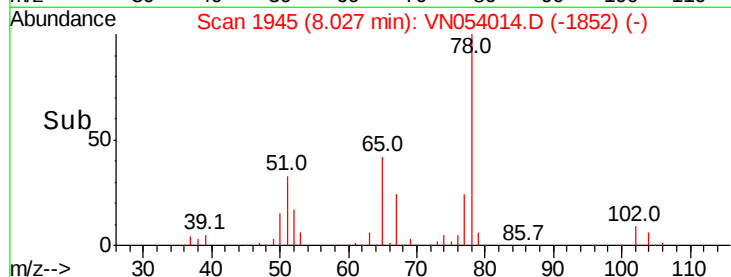
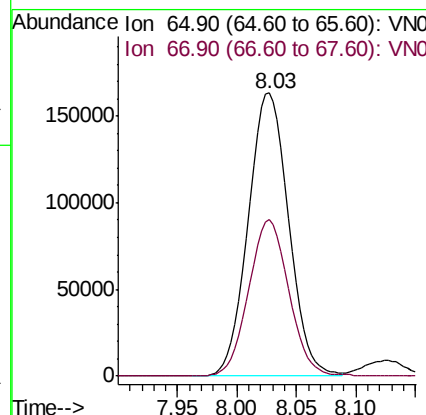
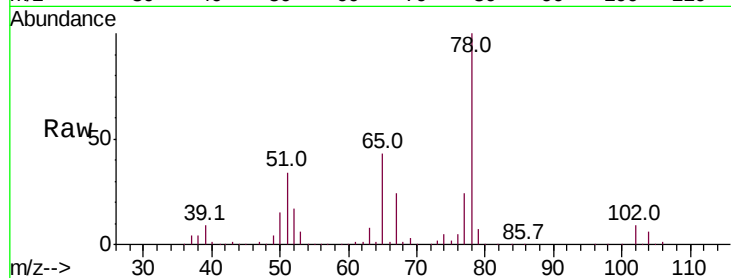




#33
 1,2-Dichloroethane-d4
 Concen: 52.888 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

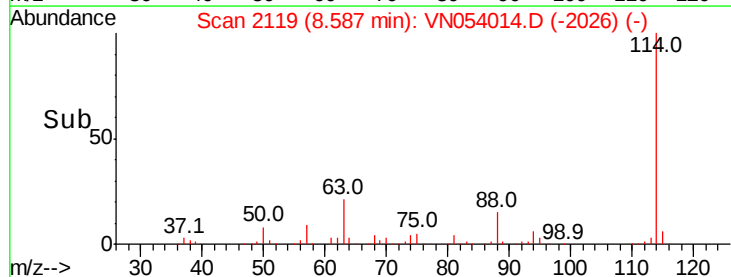
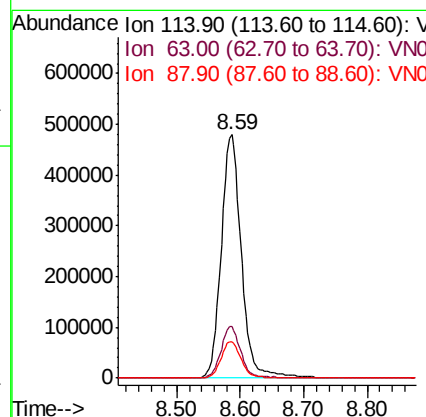
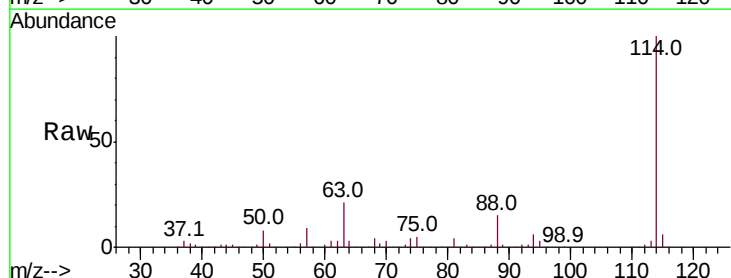
Instrument :
 MSVOA_N
 ClientSampleId :

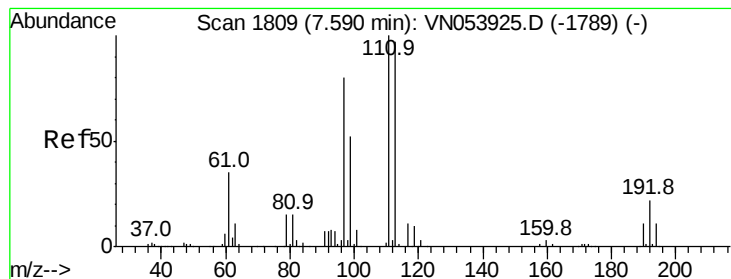
Tot Ion: 65 Resp: 385488
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 114 Resp: 1053545
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.286 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :

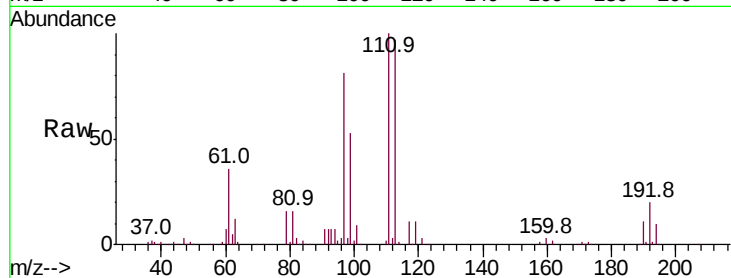
Tot Ion:113 Resp: 342590

Ion Ratio Lower Upper

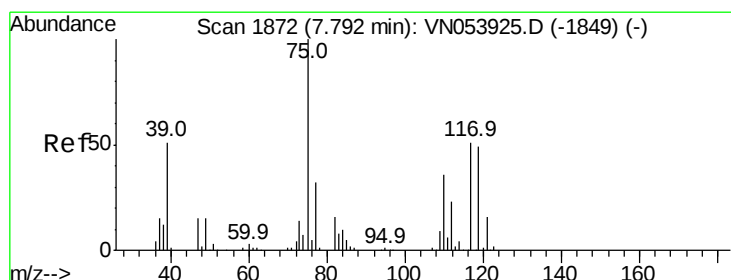
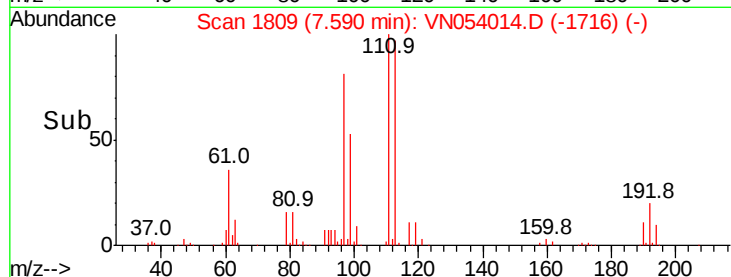
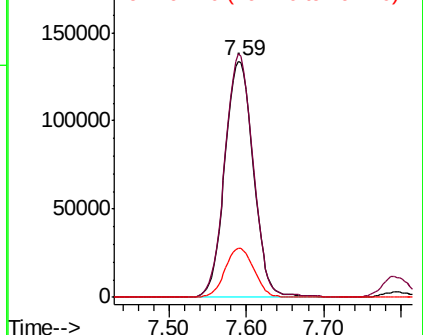
113 100

111 101.6 81.1 121.7

192 21.1 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: 49.399 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

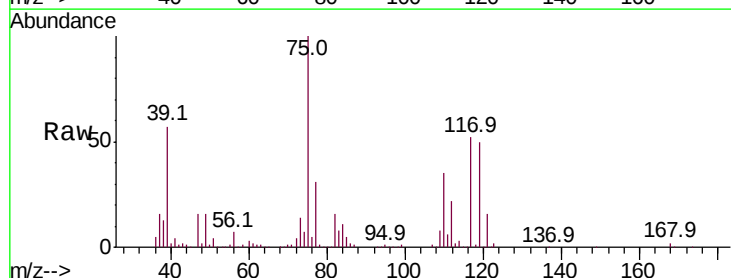
Tgt Ion: 75 Resp: 483995

Ion Ratio Lower Upper

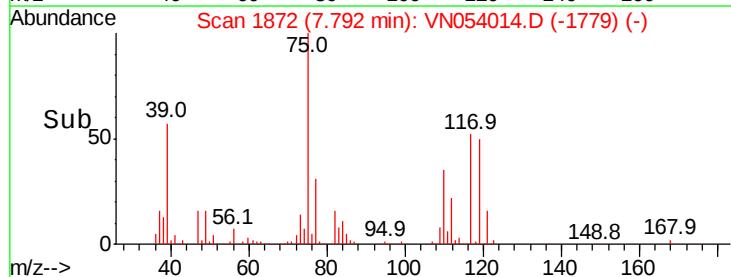
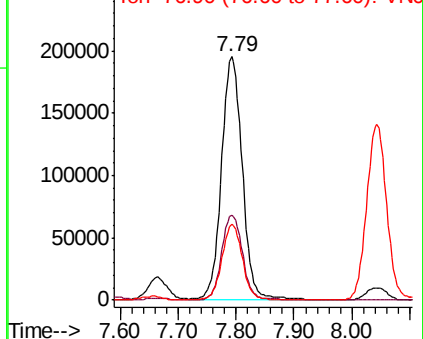
75 100

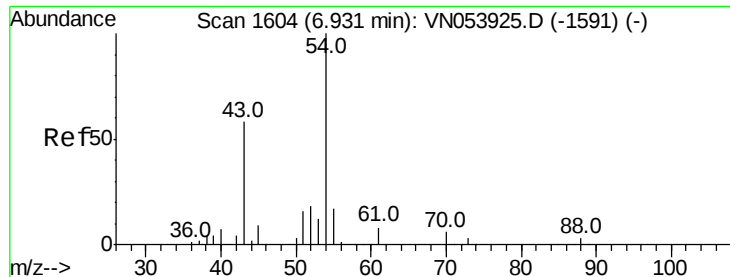
110 35.4 19.0 57.0

77 30.8 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

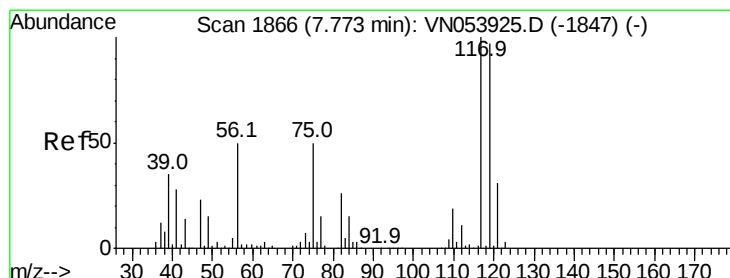
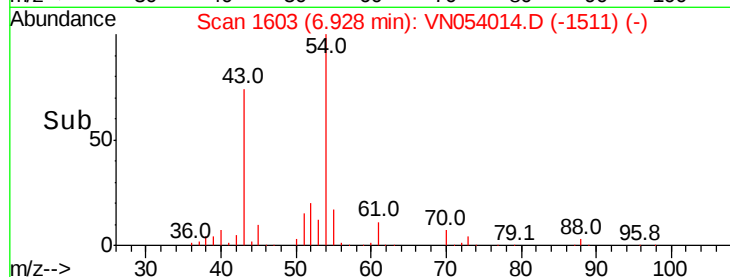
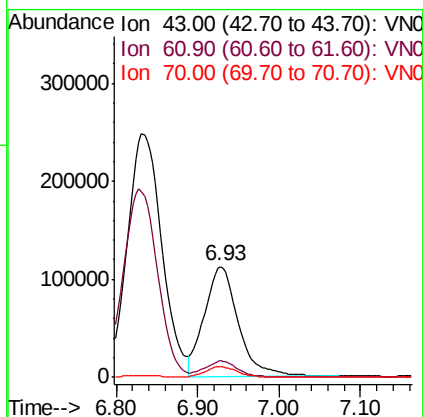
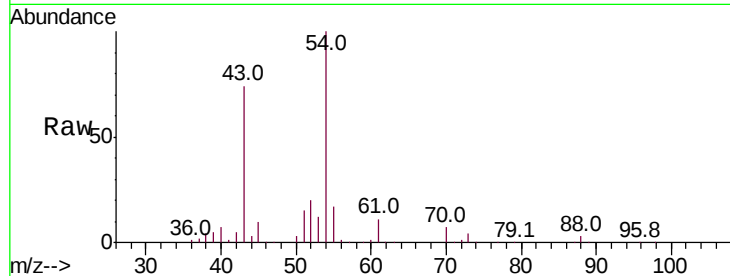




#37
Ethyl Acetate
Concen: 46.921 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

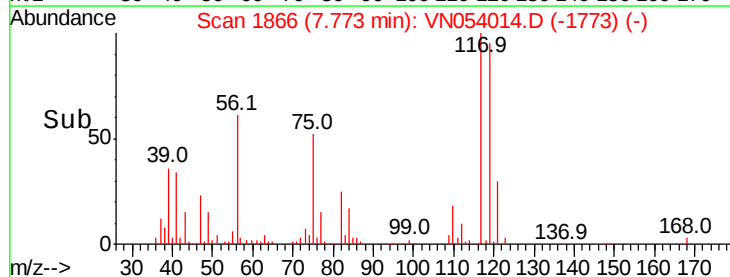
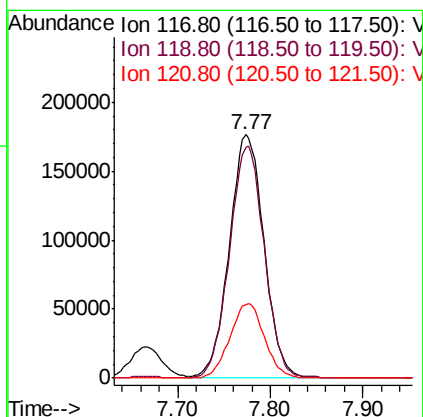
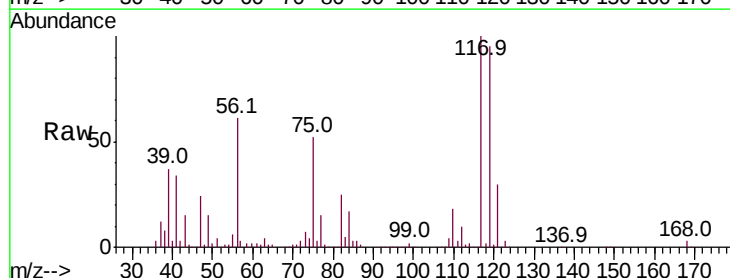
Instrument :
MSVOA_N
ClientSampled :

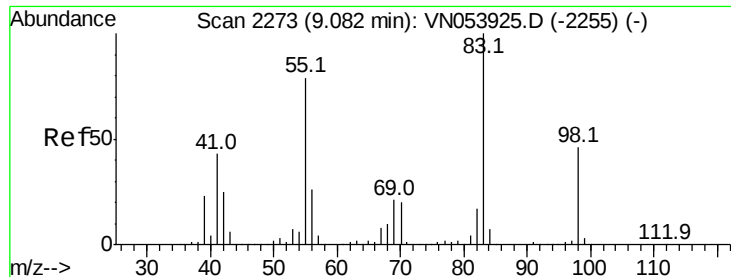
Tot Ion: 43 Resp: 328253
Ion Ratio Lower Upper
43 100
61 14.0 12.0 18.0
70 9.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 44.720 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 117 Resp: 455685
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2
121 30.5 24.6 36.8

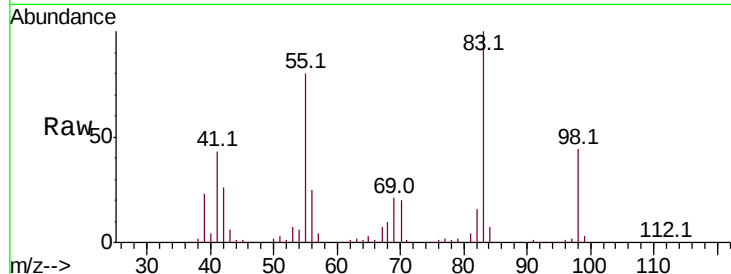




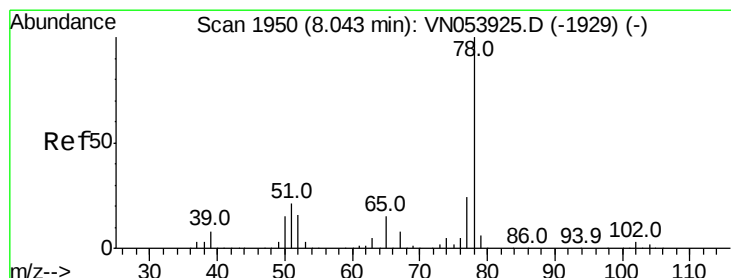
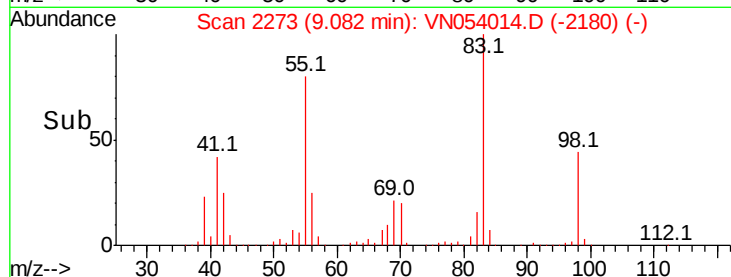
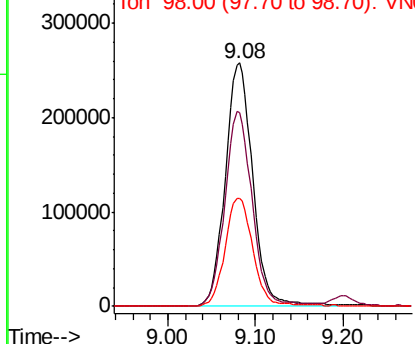
#39
Methvlcvclohexane
Concen: 47.788 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 564326
Ion Ratio Lower Upper
83 100
55 79.6 58.2 87.4
98 44.4 37.2 55.8

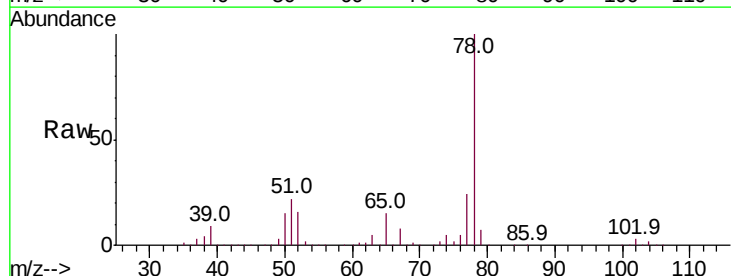


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

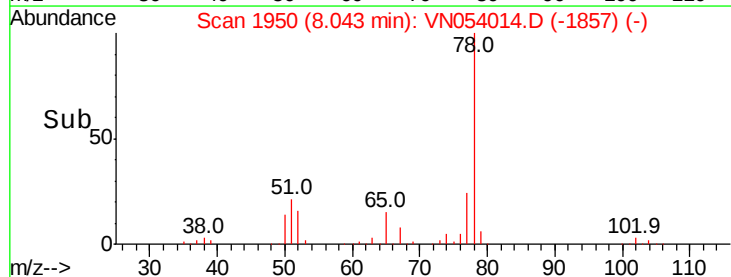
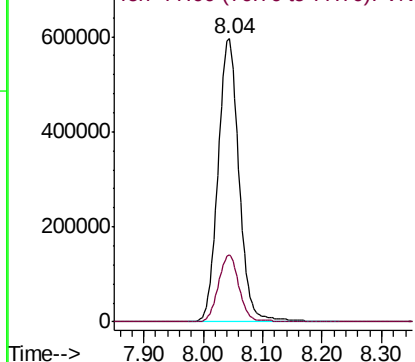


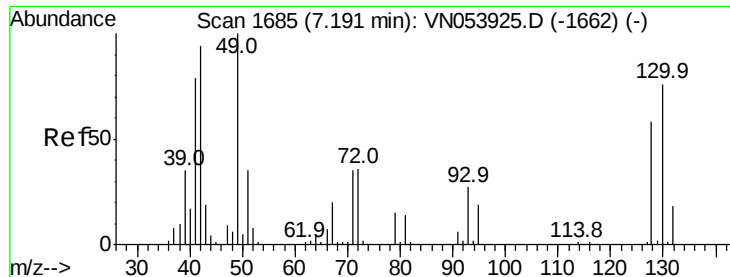
#40
Benzene
Concen: 48.341 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 78 Resp: 1455004
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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





#41

Methacrylonitrile

Concen: 39.735 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

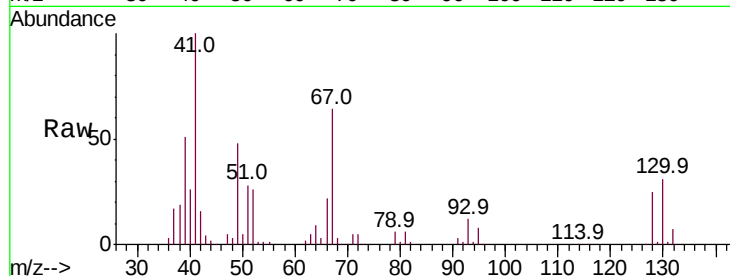
Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 178995

Ion	Ratio	Lower	Upper
41	100		
39	54.9	0.0	0.0#
67	80.0	0.0	0.0#
52	30.7	0.0	0.0#



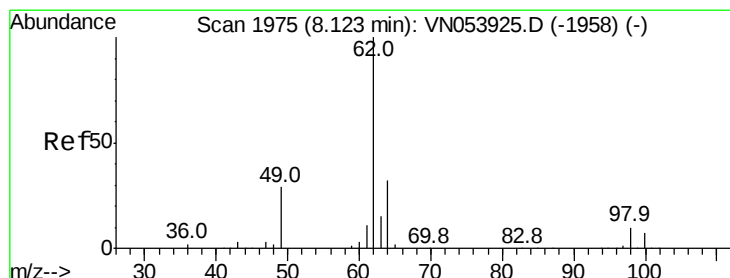
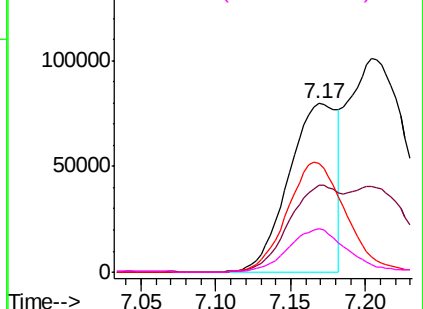
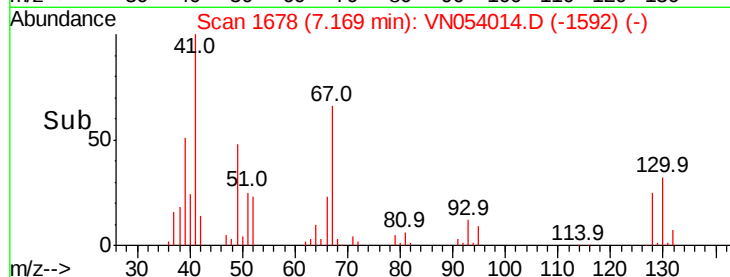
Abundance

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: 48.972 ug/l

RT: 8.12 min Scan# 1975

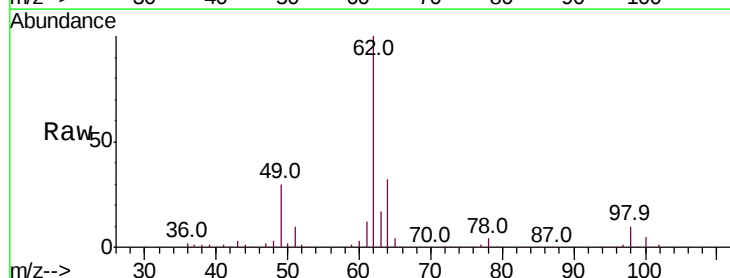
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion: 62 Resp: 456339

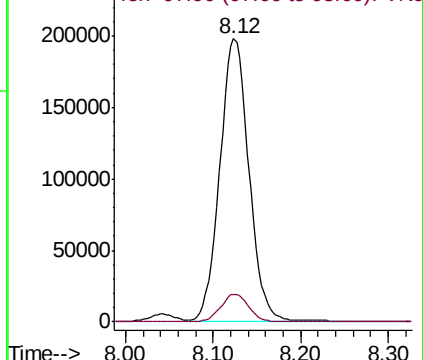
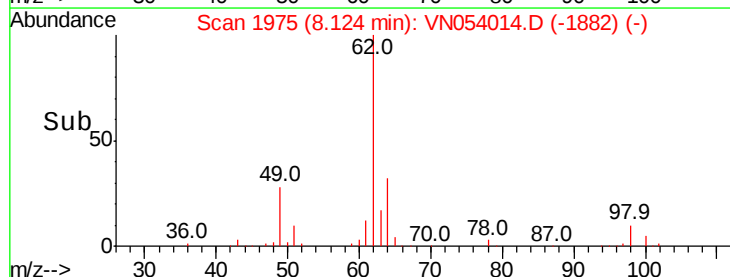
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.8

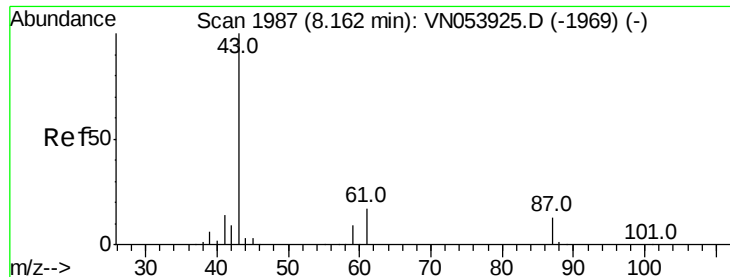


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.707 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

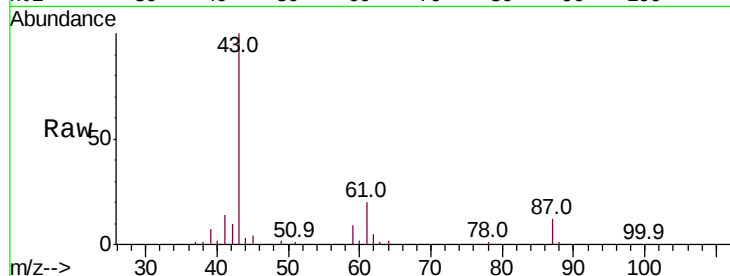
Tot Ion: 43 Resp: 563512

Ion Ratio Lower Upper

43 100

61 27.9 17.4 26.0#

87 12.4 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) (-)

8.16

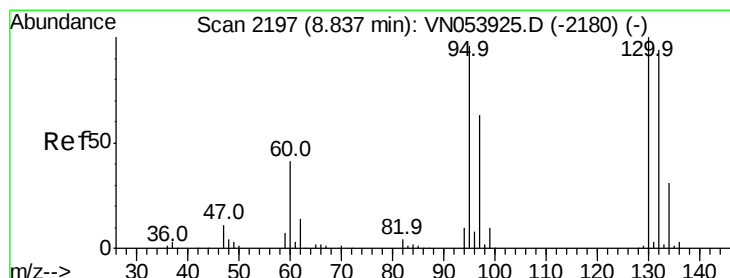
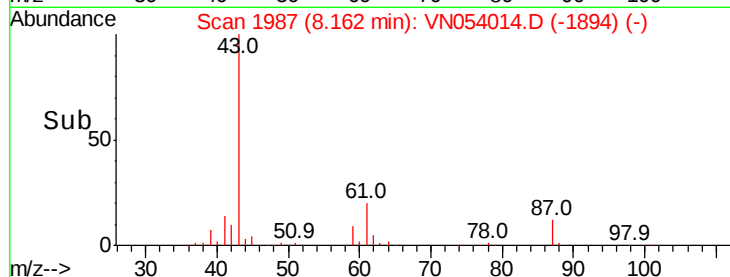
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 47.659 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054014.D

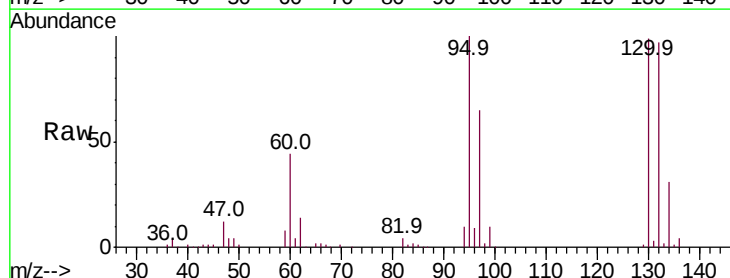
Acq: 28 Feb 2019 19:41

Tgt Ion:130 Resp: 380293

Ion Ratio Lower Upper

130 100

95 100.6 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) (-)

8.83

200000

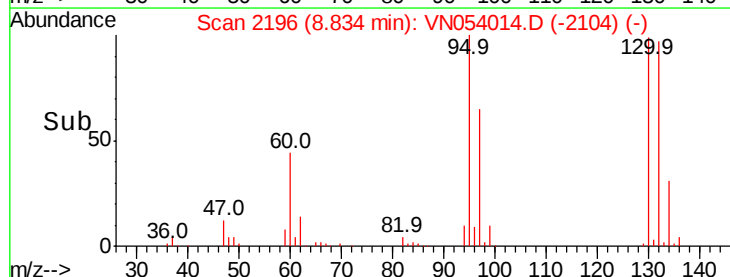
150000

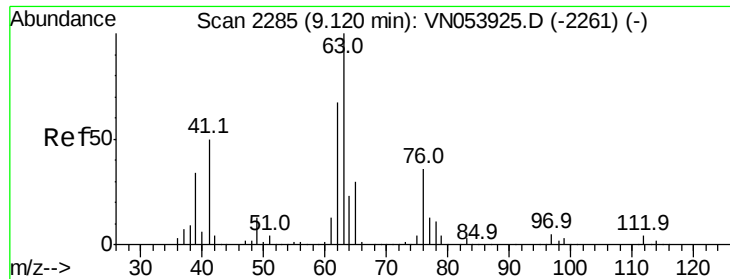
100000

50000

0

Time-->

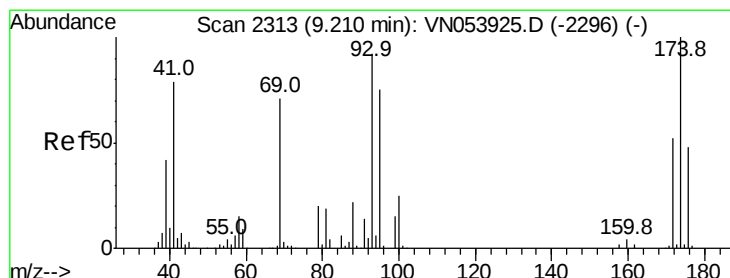
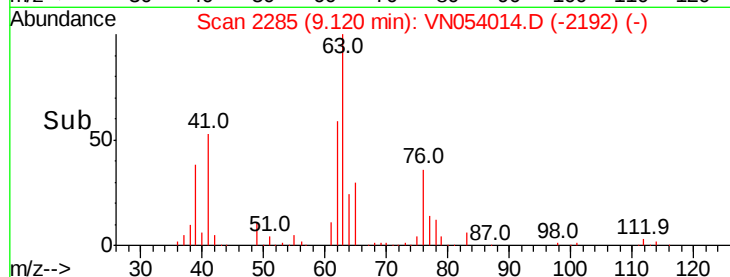
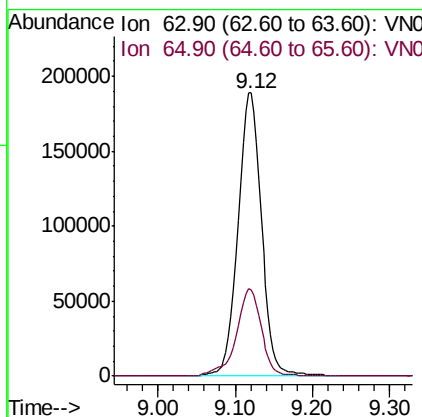
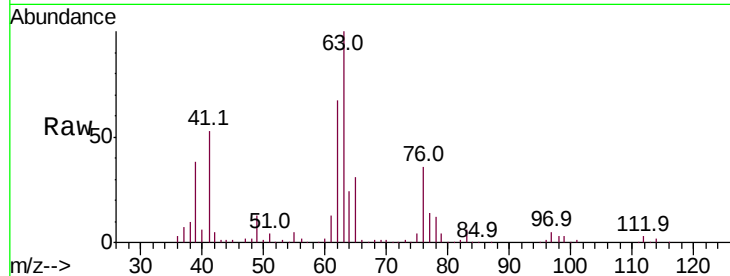




#45
 1,2-Dichloropropane
 Concen: 48.828 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

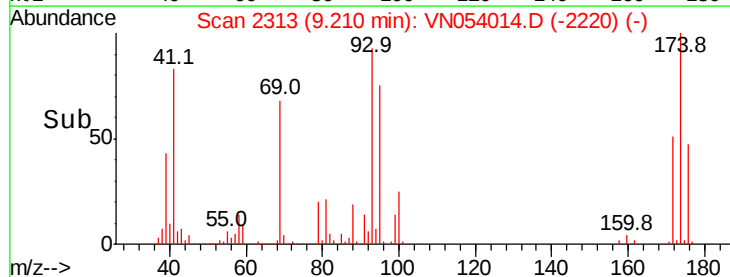
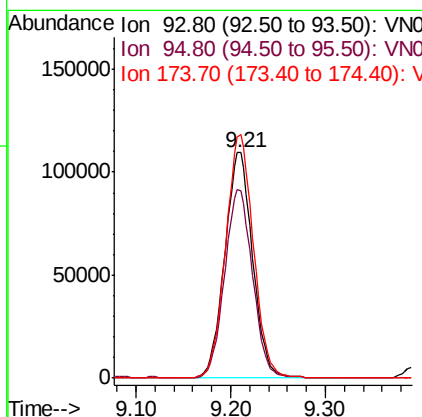
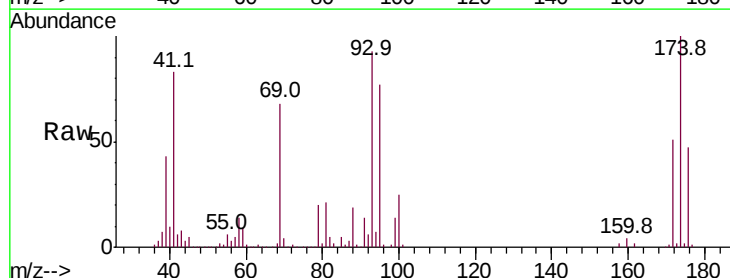
Instrument :
 MSVOA_N
 ClientSampleId :

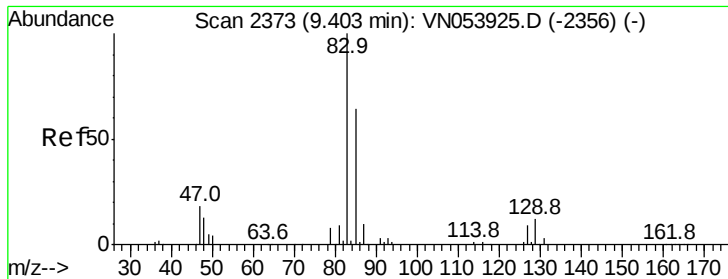
Tot Ion: 63 Resp: 396506
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5



#46
 Dibromomethane
 Concen: 47.658 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 93 Resp: 224679
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 107.5 96.2 144.4





#47

Bromodichloromethane

Concen: 48.545 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampled :

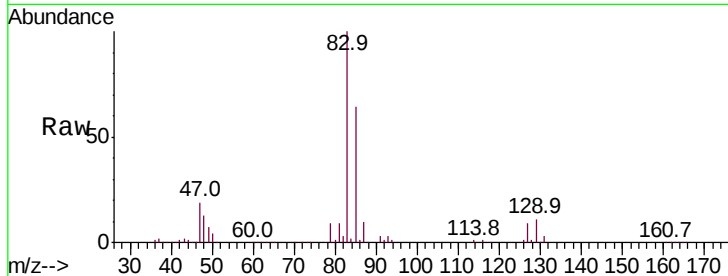
Tot Ion: 83 Resp: 482305

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6

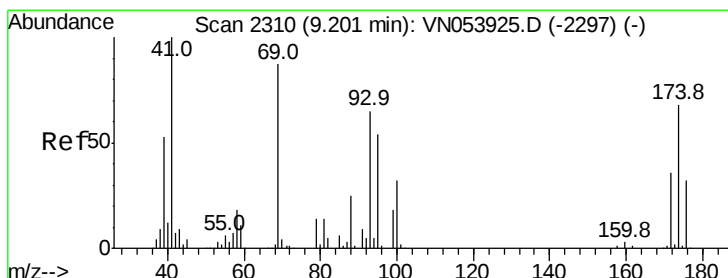
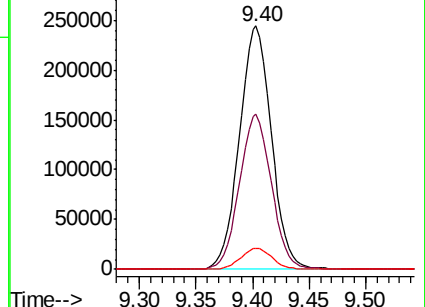
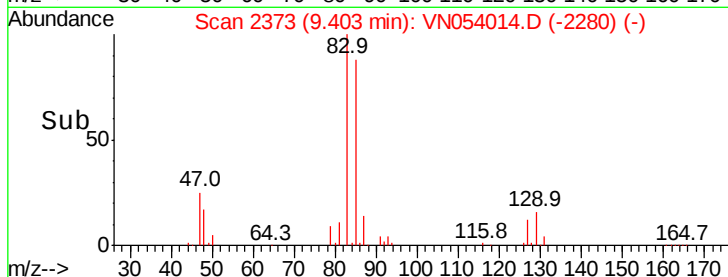
127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN054014.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054014.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054014.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.678 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

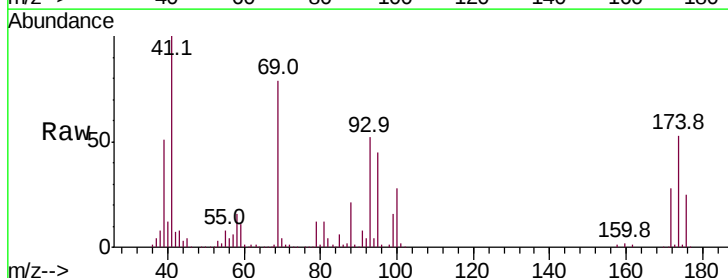
Tgt Ion: 41 Resp: 275340

Ion Ratio Lower Upper

41 100

69 89.4 74.8 112.2

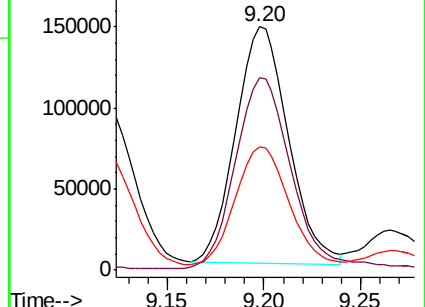
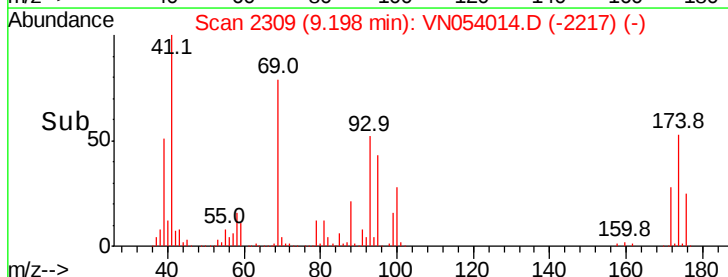
39 55.7 39.0 58.6

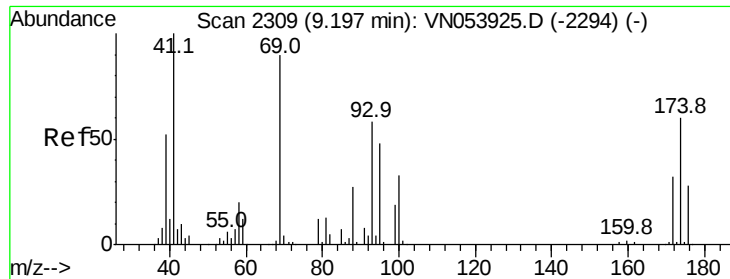


Abundance Ion 41.00 (40.70 to 41.70): VN054014.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054014.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054014.D (-2217) (-)





#49

1,4-Dioxane

Concen: 916.221 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :

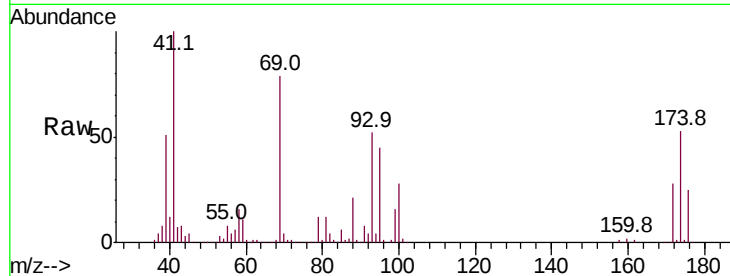
Tot Ion: 88 Resp: 67423

Ion Ratio Lower Upper

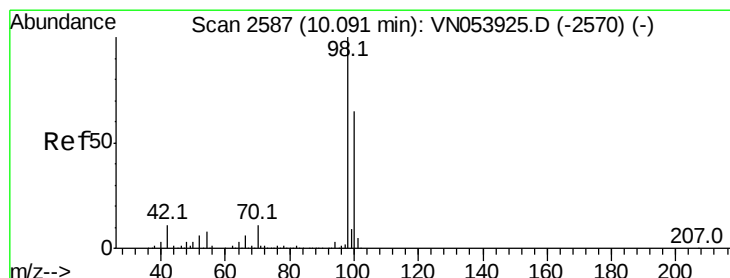
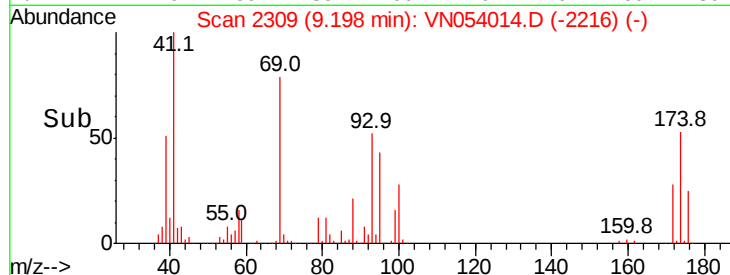
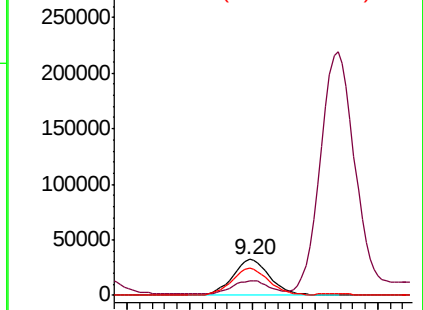
88 100

43 34.6 21.2 31.8#

58 73.6 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: 50.165 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054014.D

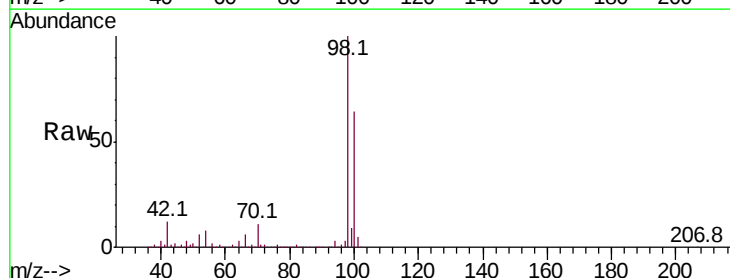
Acq: 28 Feb 2019 19:41

Tgt Ion: 98 Resp: 1272236

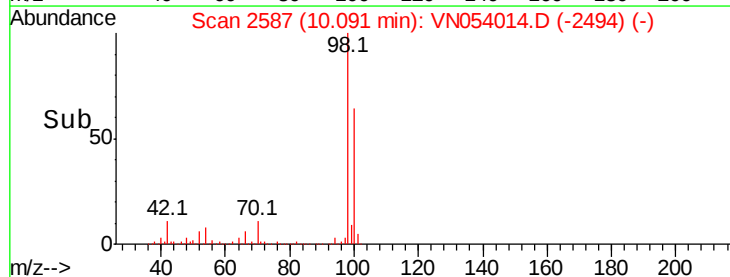
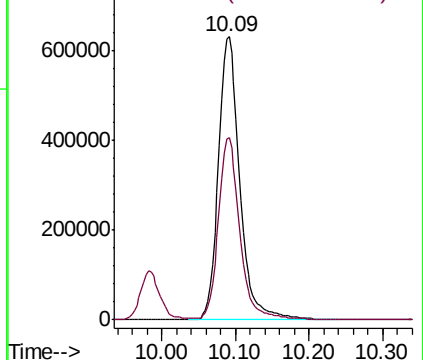
Ion Ratio Lower Upper

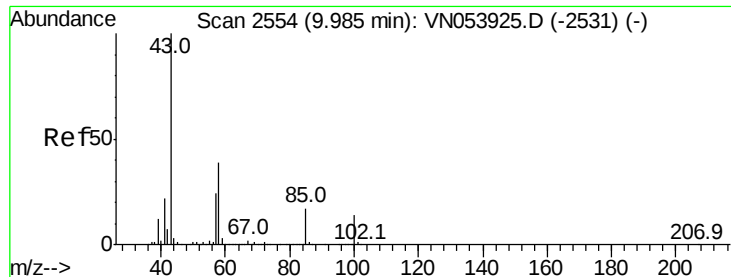
98 100

100 64.7 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: 255.517 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

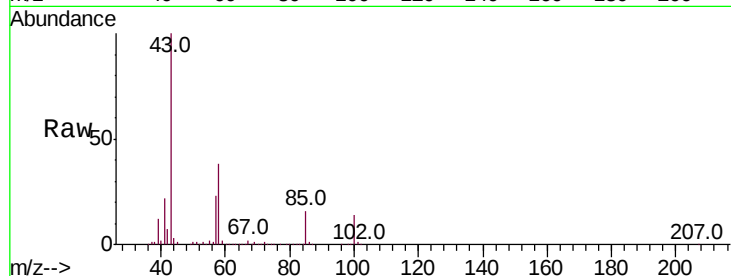
ClientSampleId :

Tot Ion: 43 Resp: 1550932

Ion Ratio Lower Upper

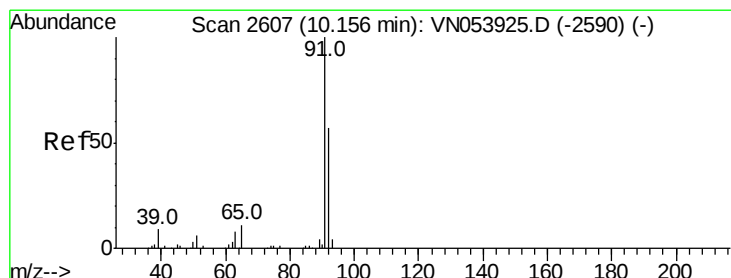
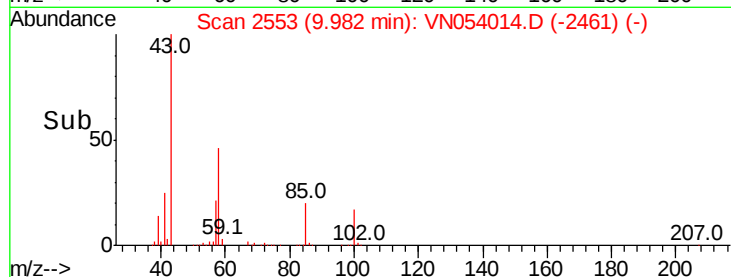
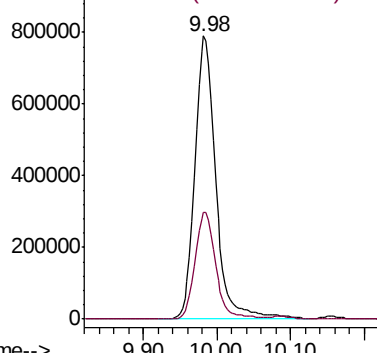
43 100

58 37.8 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: 48.829 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054014.D

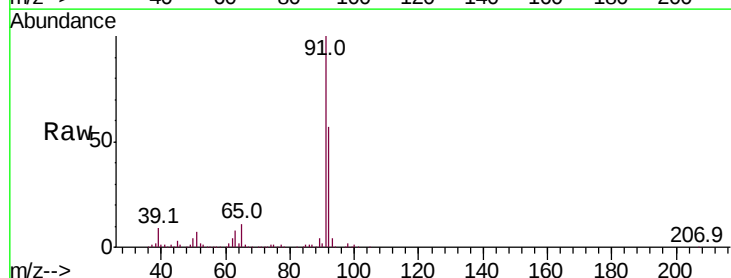
Acq: 28 Feb 2019 19:41

Tgt Ion: 92 Resp: 865396

Ion Ratio Lower Upper

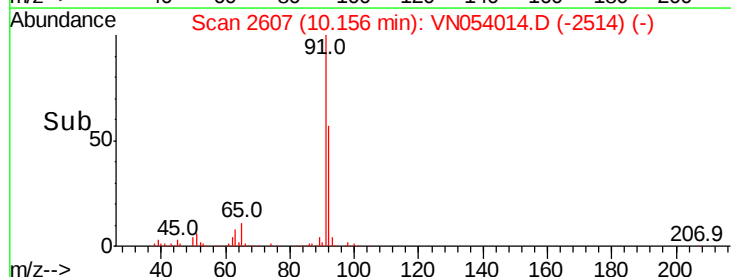
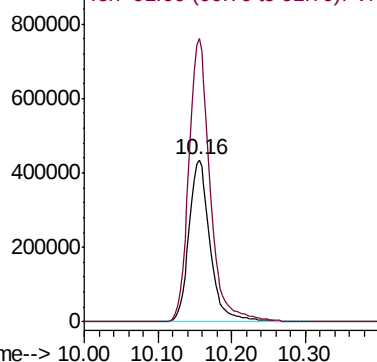
92 100

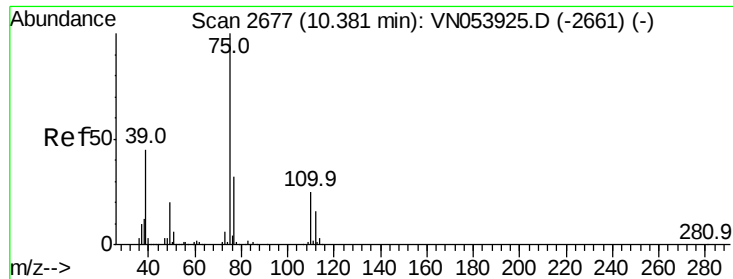
91 175.3 138.4 207.6



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: 50.703 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

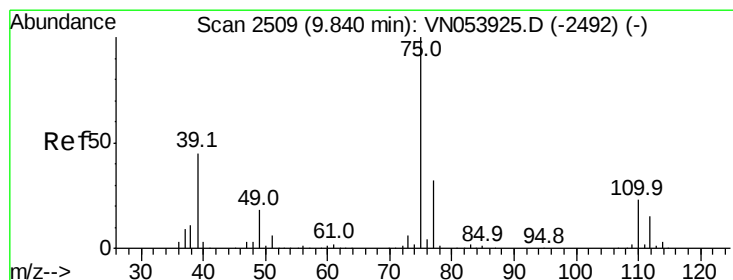
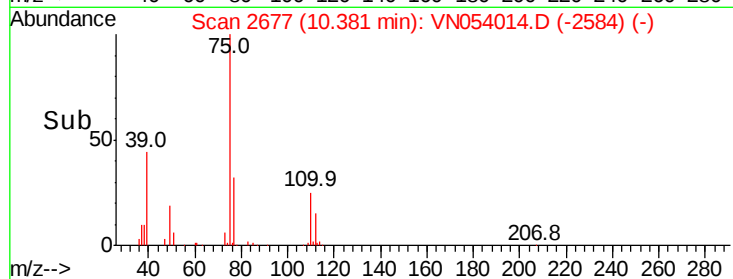
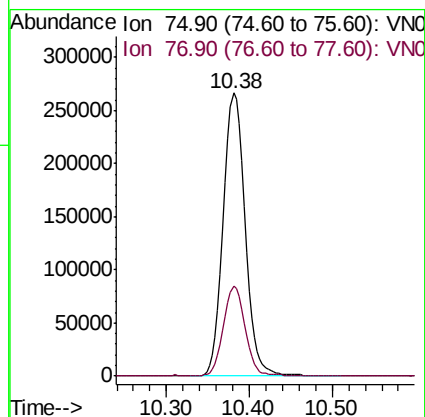
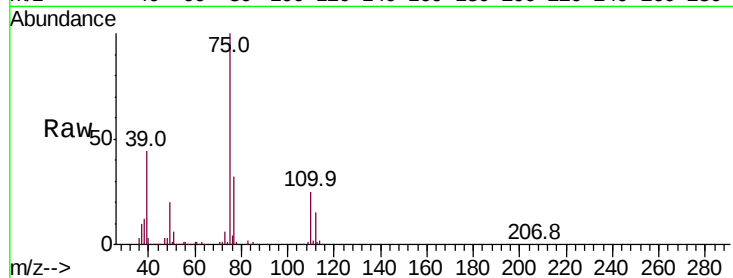
ClientSampled :

Tot Ion: 75 Resp: 490142

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 50.144 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

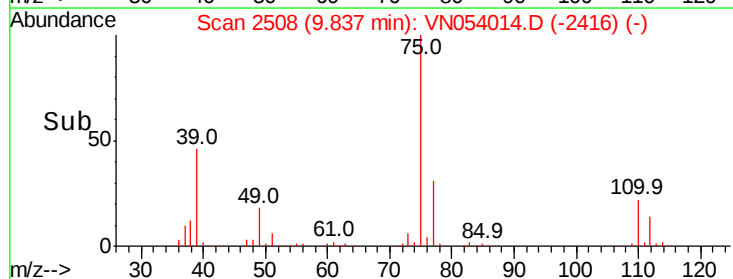
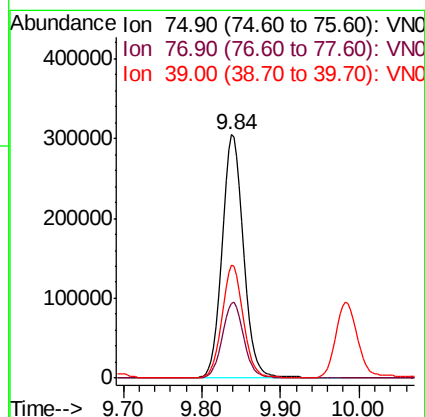
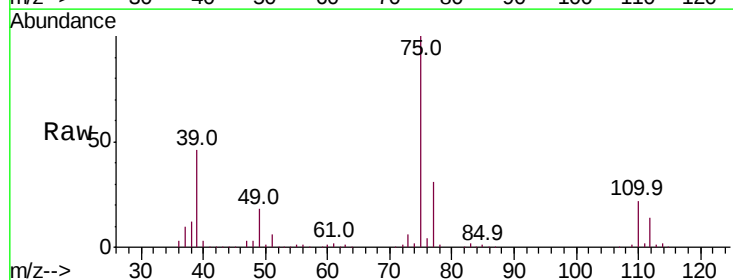
Tgt Ion: 75 Resp: 571448

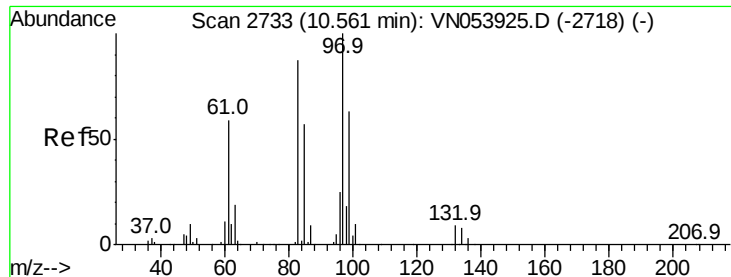
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

39 46.3 31.4 47.0

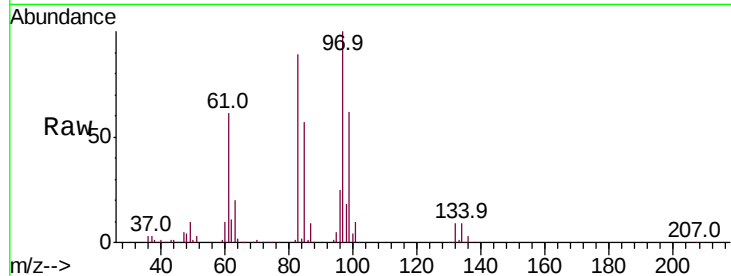




#55
 1,1,2-Trichloroethane
 Concen: 47.951 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	317383
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	56.8	45.9	68.9
99	62.1	49.1	73.7



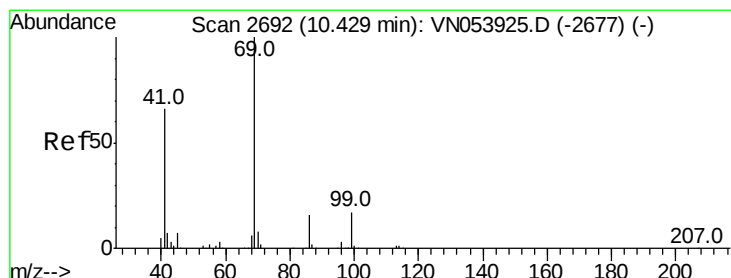
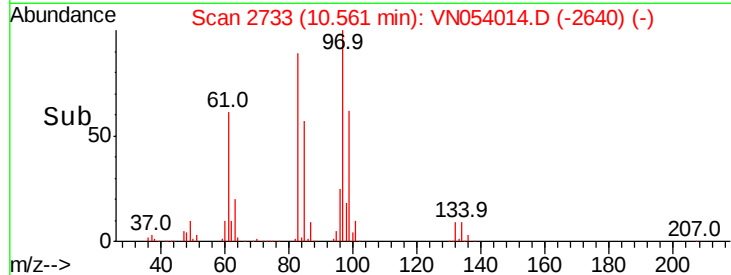
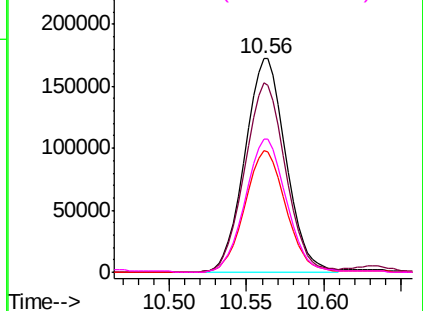
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

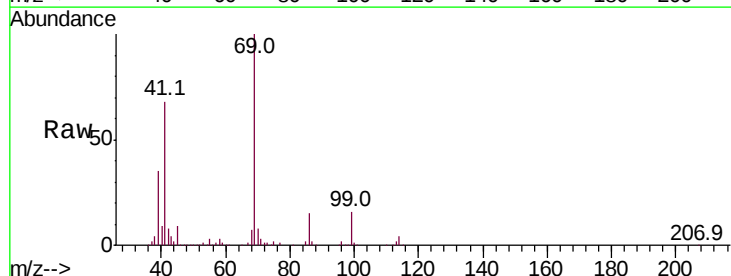
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 47.086 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	69	Resp	407620
Ion	Ratio	Lower	Upper
69	100		
41	67.3	47.5	71.3
39	33.8	23.4	35.0

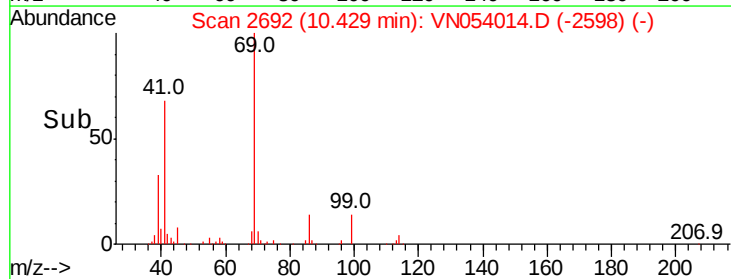
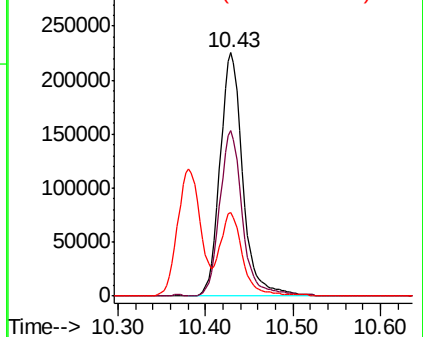


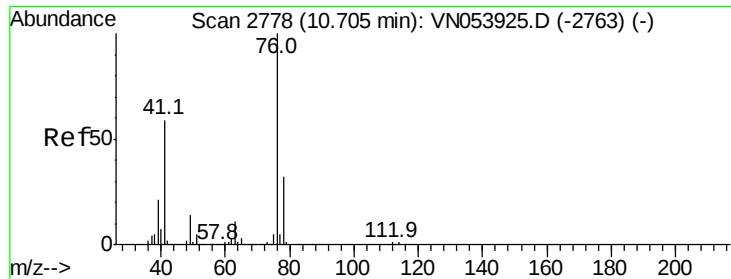
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.231 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

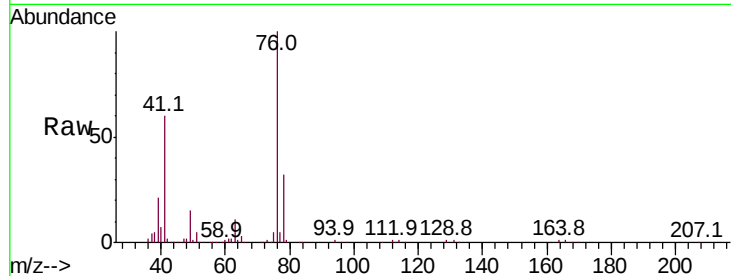
ClientSampled :

Tot Ion: 76 Resp: 550567

Ion Ratio Lower Upper

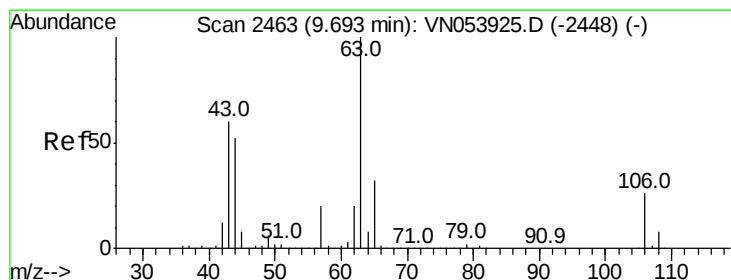
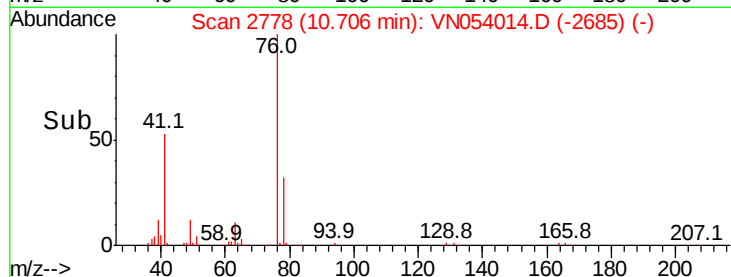
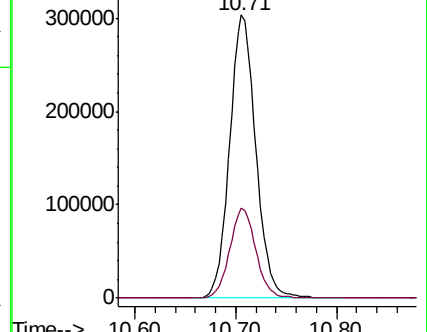
76 100

78 31.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN053925.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN053925.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 140.523 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054014.D

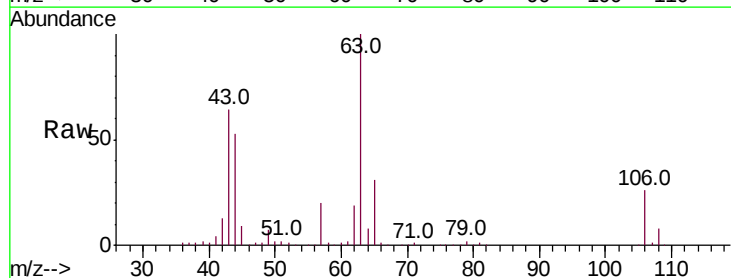
Acq: 28 Feb 2019 19:41

Tgt Ion: 63 Resp: 542307

Ion Ratio Lower Upper

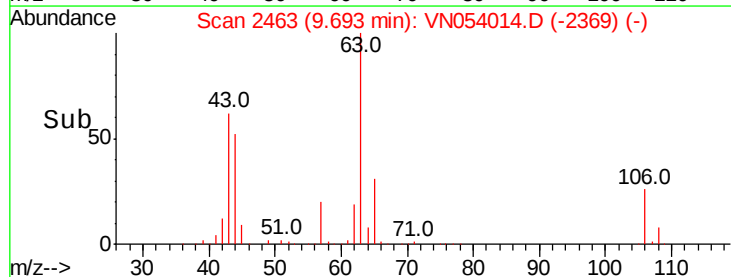
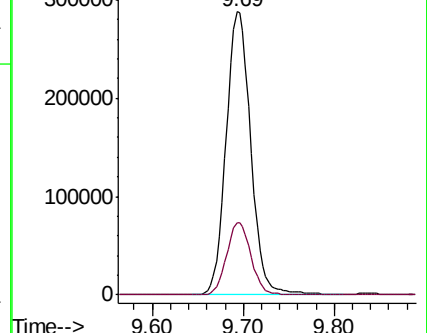
63 100

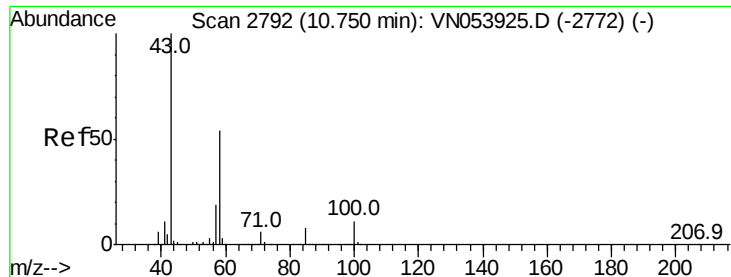
106 25.2 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN053925.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN053925.D (-2448) (-)

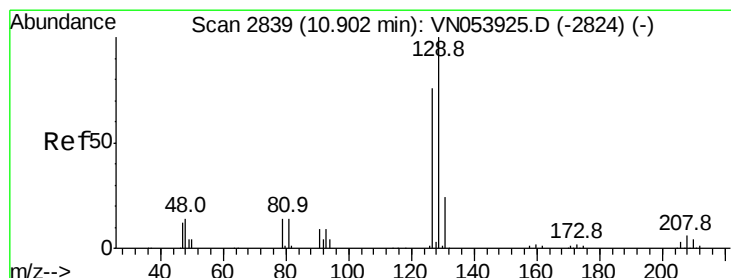
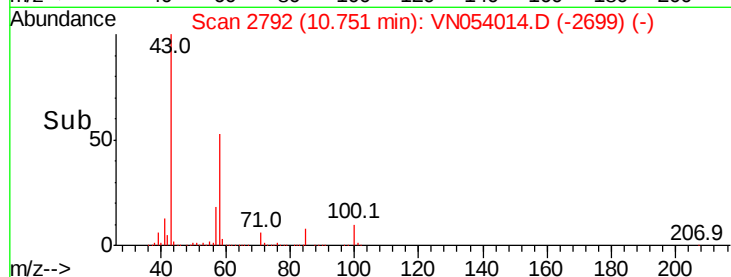
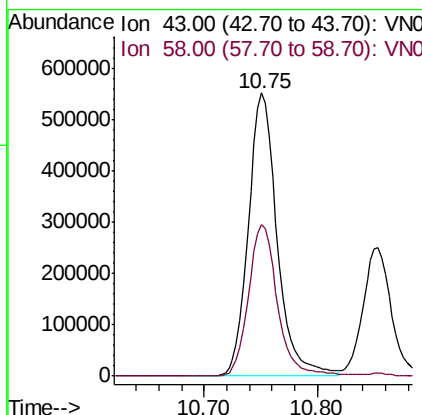
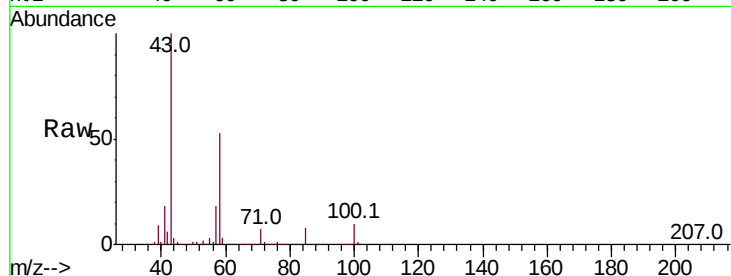




#59
2-Hexanone
Concen: 246.379 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

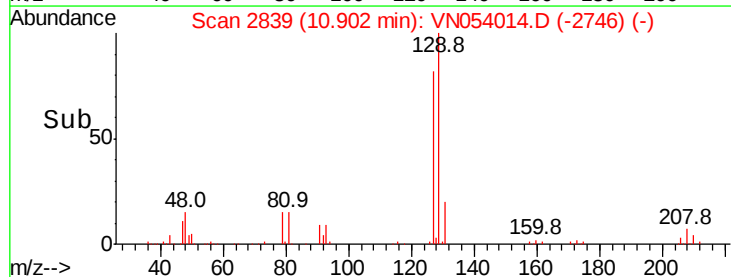
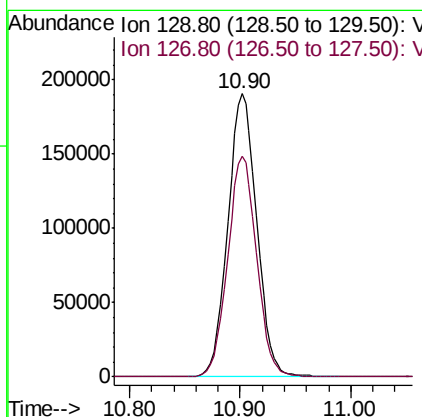
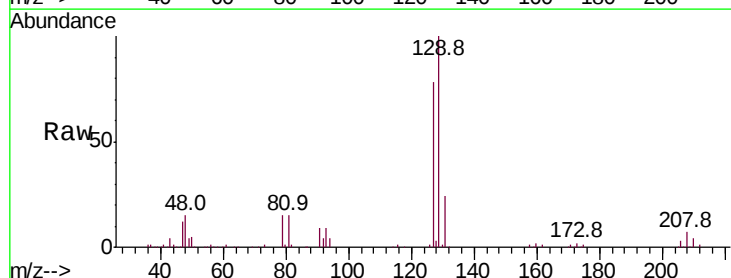
Instrument :
MSVOA_N
ClientSampled :

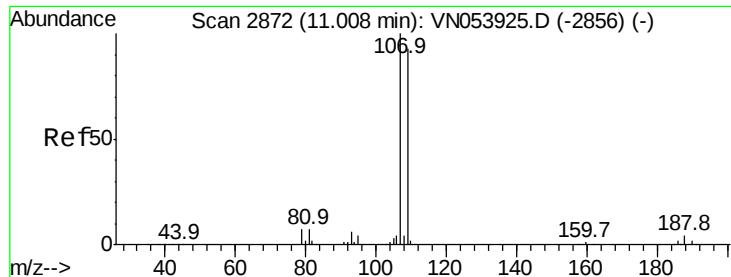
Tot Ion: 43 Resp: 972622
Ion Ratio Lower Upper
43 100
58 54.1 29.1 87.4



#60
Dibromochloromethane
Concen: 47.064 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 129 Resp: 346201
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 47.917 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

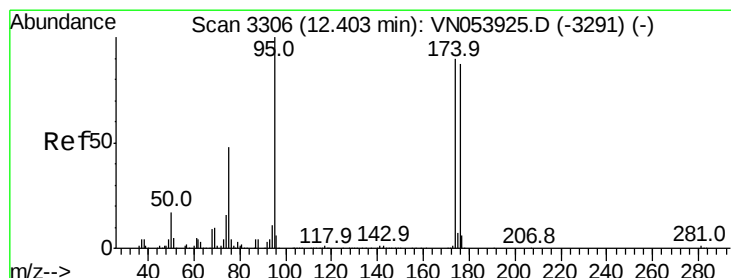
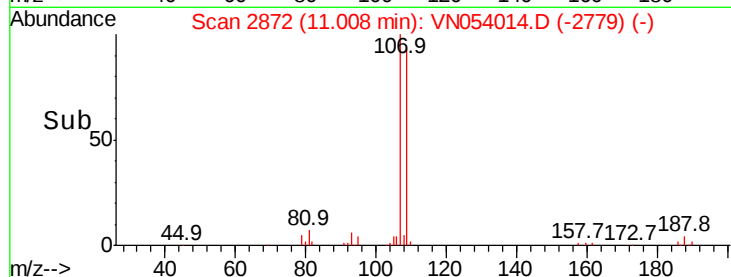
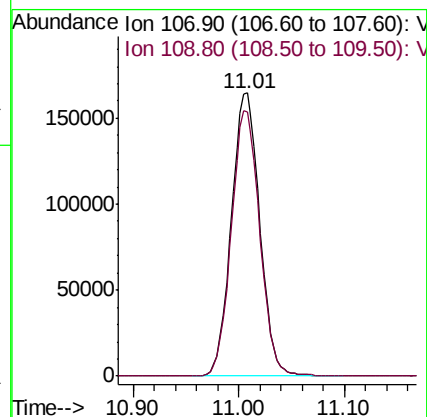
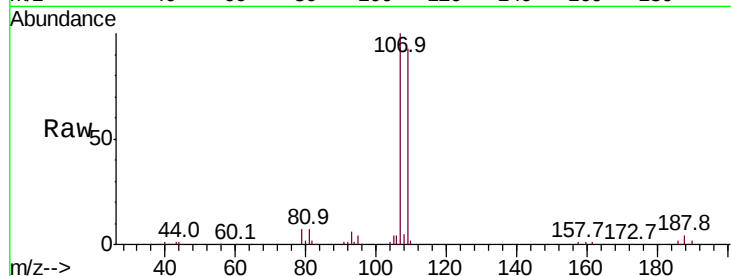
ClientSampleId :

Tot Ion:107 Resp: 305948

Ion Ratio Lower Upper

107 100

109 94.1 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 50.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

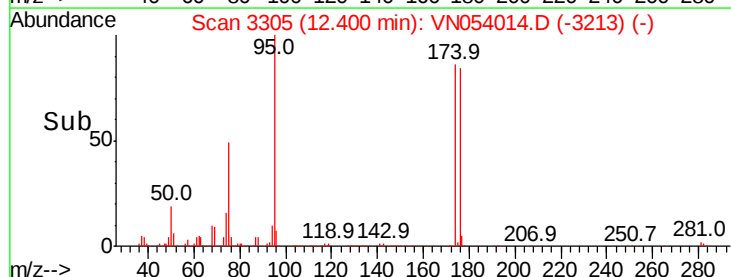
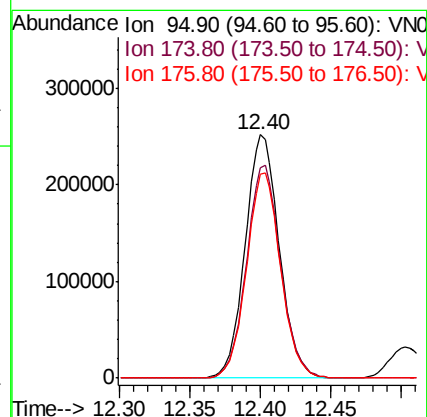
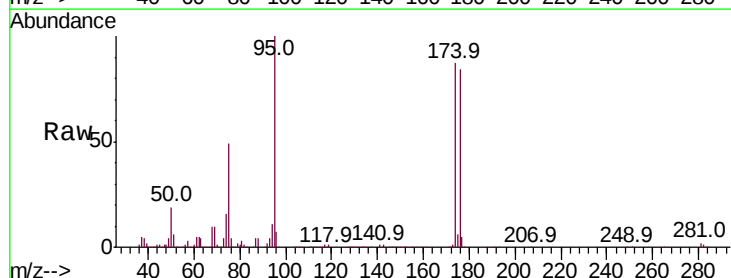
Tgt Ion: 95 Resp: 426148

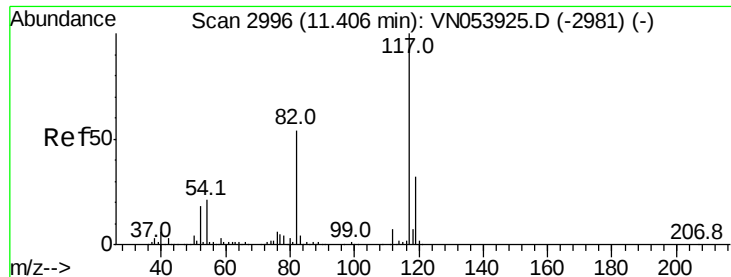
Ion Ratio Lower Upper

95 100

174 87.5 0.0 188.8

176 84.4 0.0 182.6

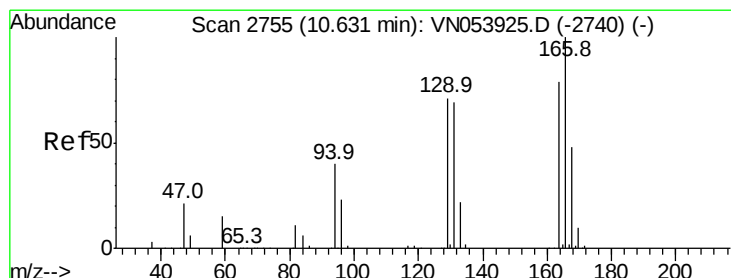
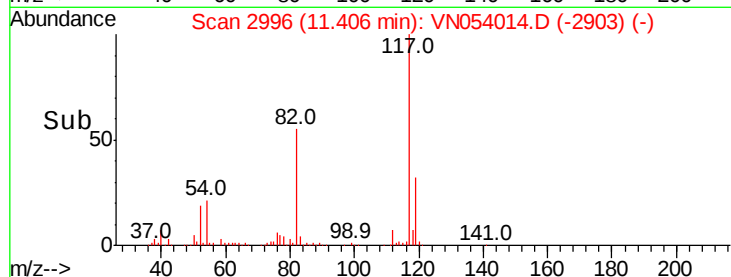
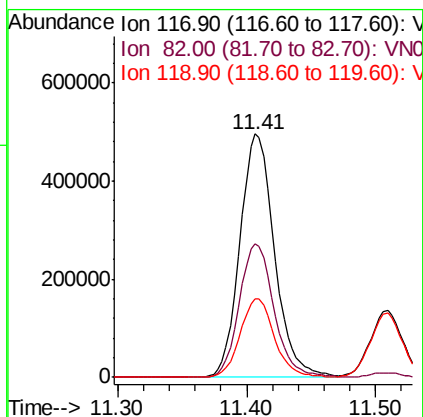
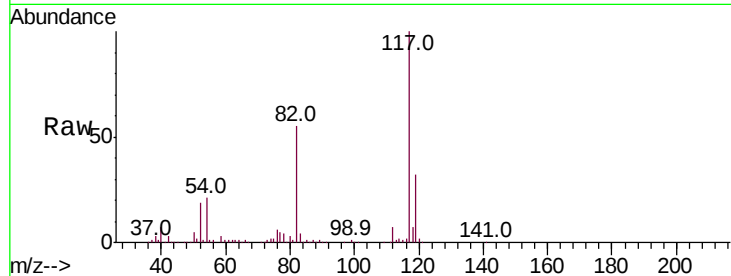




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

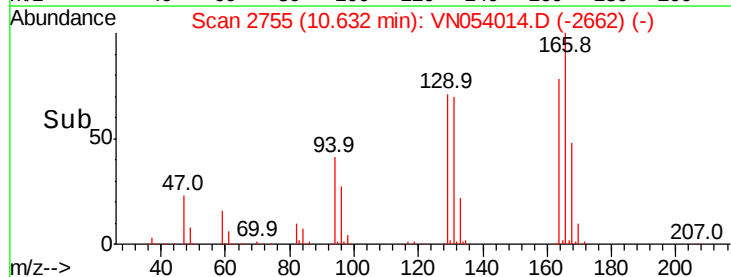
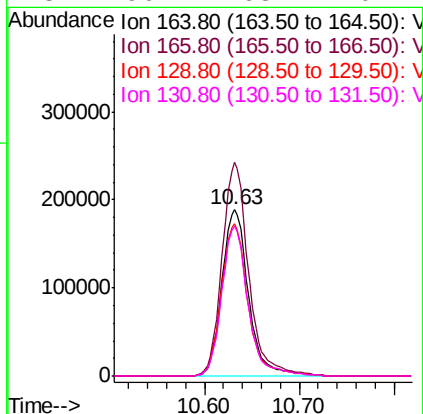
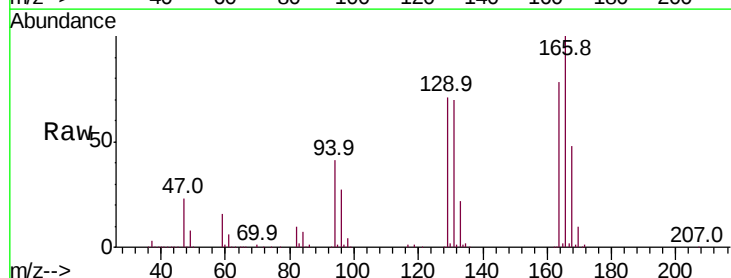
Instrument :
MSVOA_N
ClientSampled :

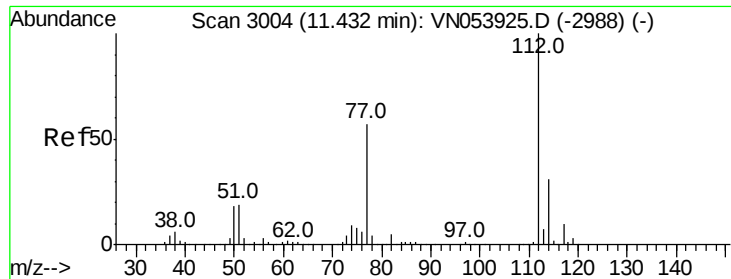
Tot Ion:117 Resp: 927462
Ion Ratio Lower Upper
117 100
82 55.0 41.4 62.2
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 47.196 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion:164 Resp: 370659
Ion Ratio Lower Upper
164 100
166 128.4 102.6 153.8
129 91.5 69.4 104.0
131 90.4 68.1 102.1

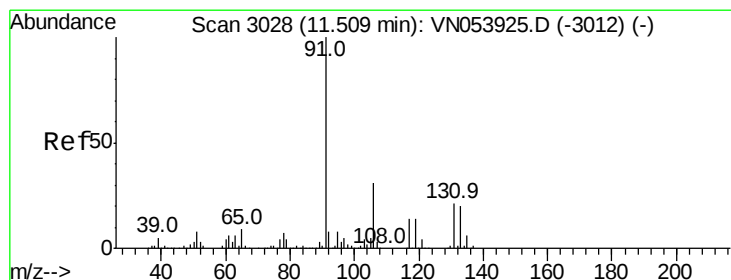
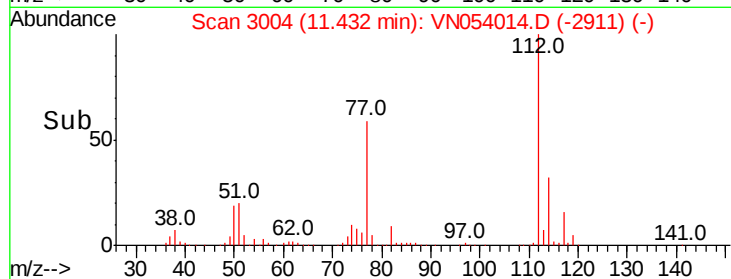
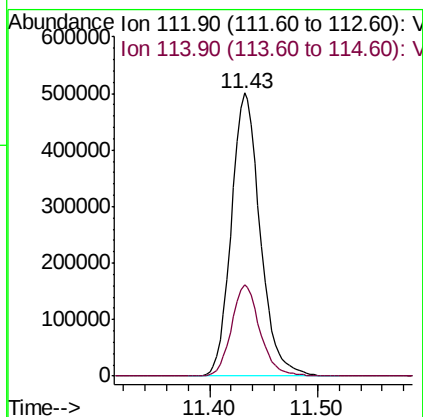
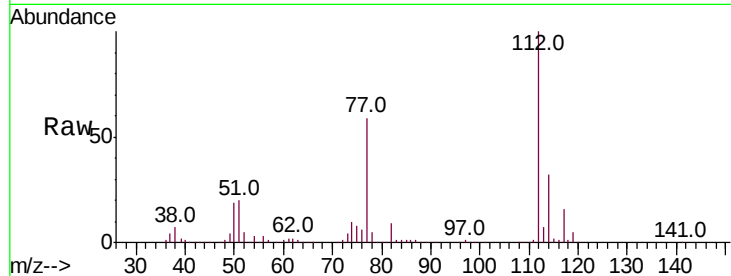




#65
Chlorobenzene
Concen: 47.374 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

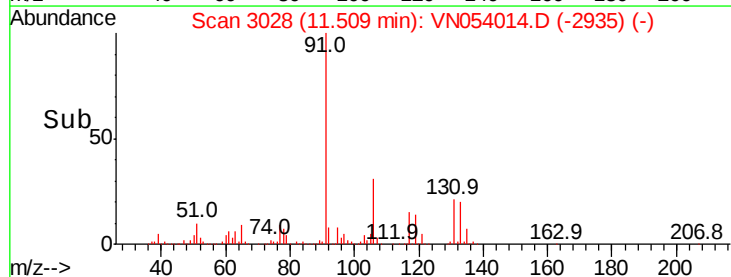
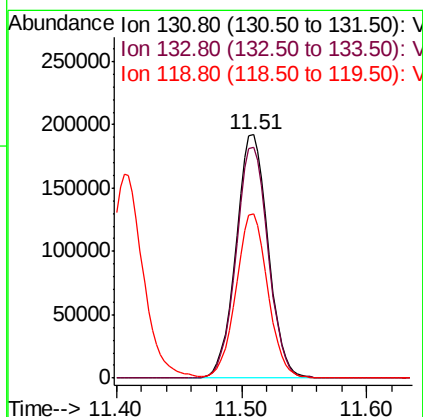
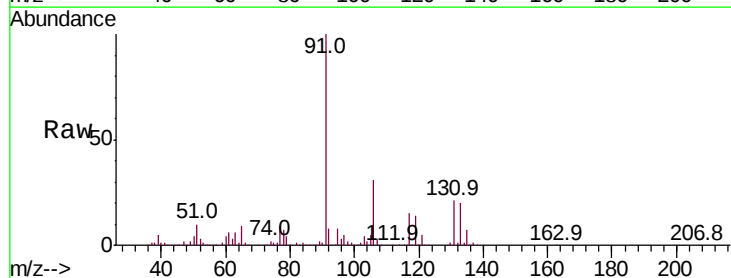
Instrument :
MSVOA_N
ClientSampled :

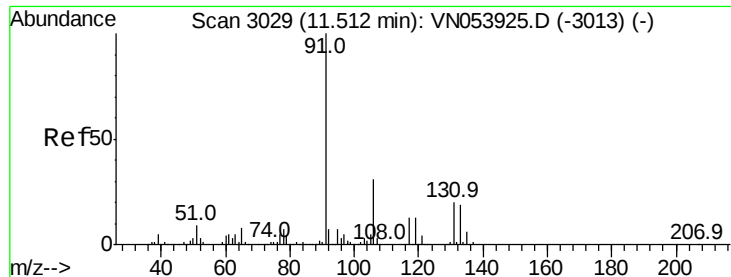
Tot Ion:112 Resp: 927289
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.408 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion:131 Resp: 341494
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 66.9 33.1 99.3

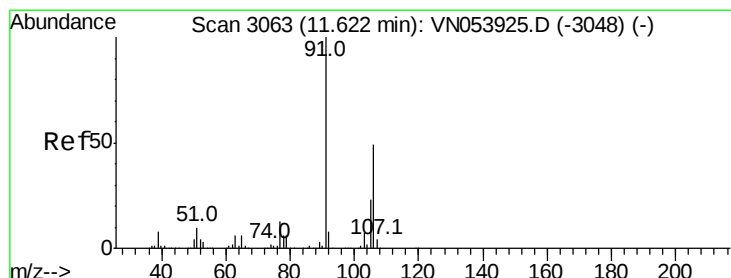
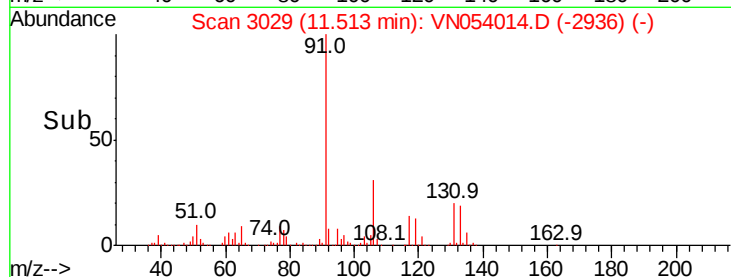
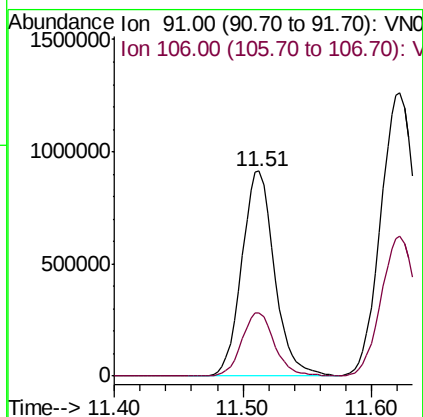
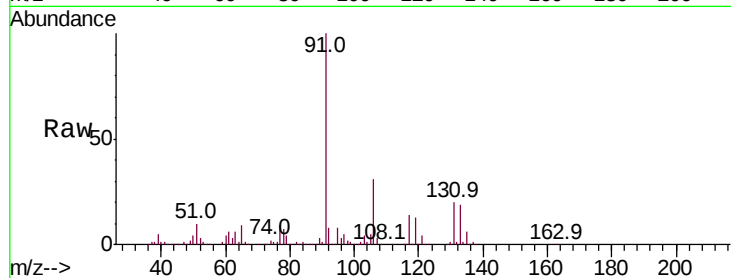




#67
Ethyl Benzene
Concen: 49.317 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

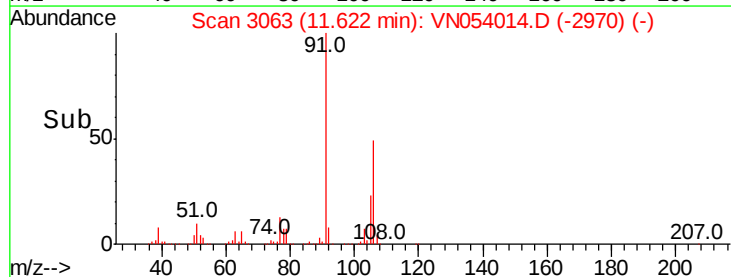
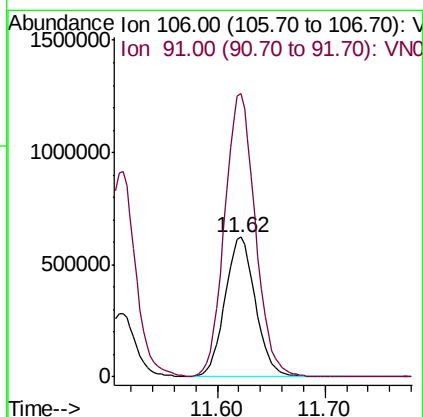
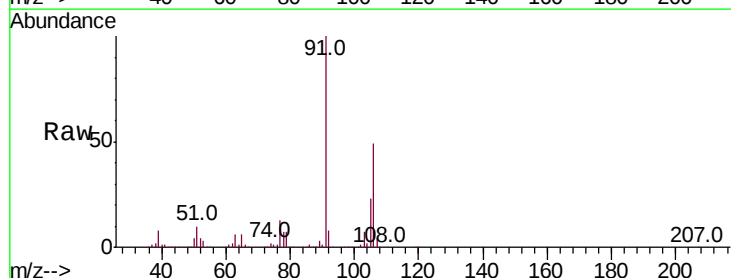
Instrument :
MSVOA_N
ClientSampled :

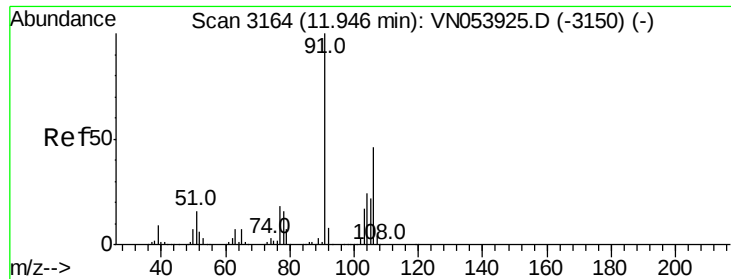
Tot Ion: 91 Resp: 1618285
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8



#68
m/p-Xylenes
Concen: 98.973 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 106 Resp: 1225755
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3

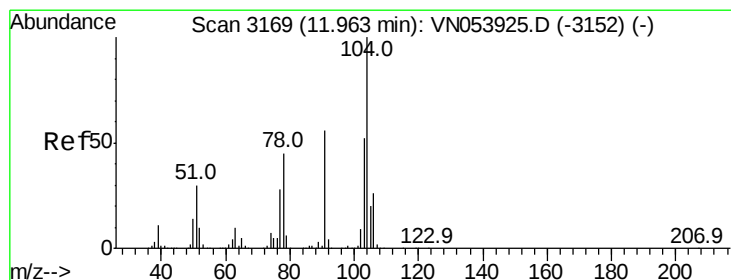
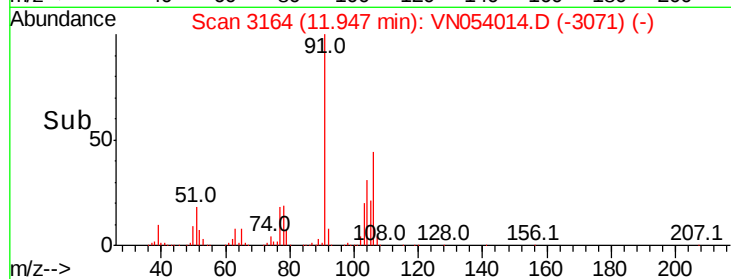
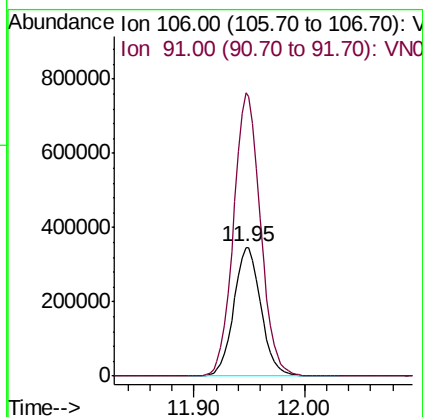
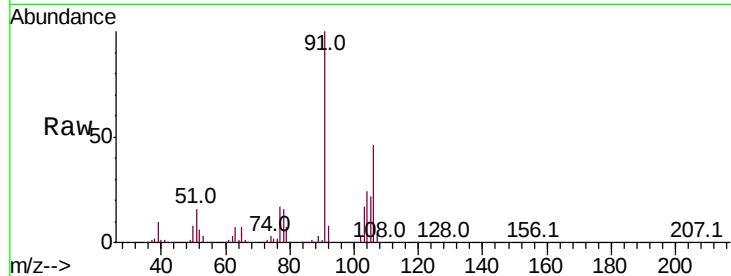




#69
o-Xylene
Concen: 48.535 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

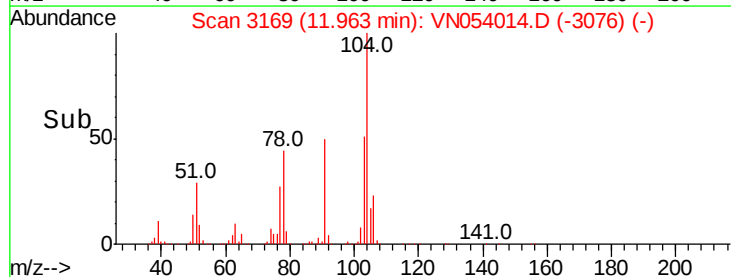
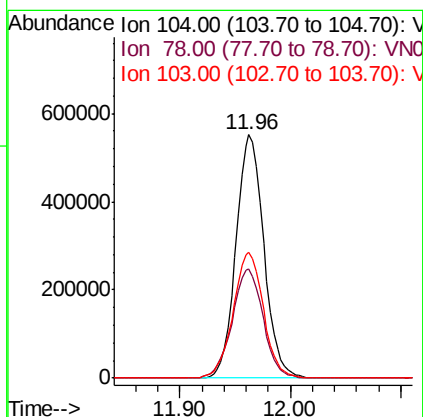
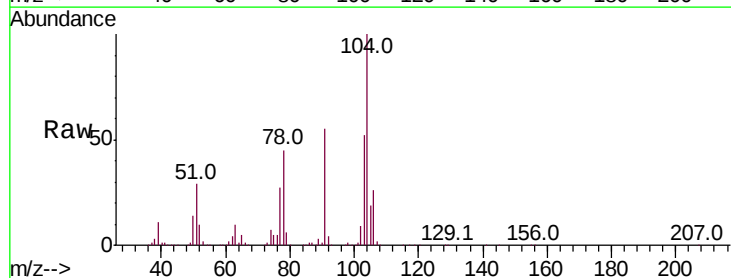
Instrument :
MSVOA_N
ClientSampled :

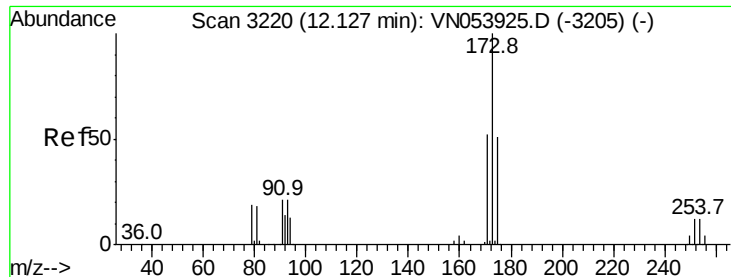
Tot Ion:106 Resp: 590627
Ion Ratio Lower Upper
106 100
91 218.7 106.0 318.0



#70
Styrene
Concen: 51.637 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion:104 Resp: 966505
Ion Ratio Lower Upper
104 100
78 49.9 38.1 57.1
103 56.0 44.6 67.0





#71

Bromoform

Concen: 46.800 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

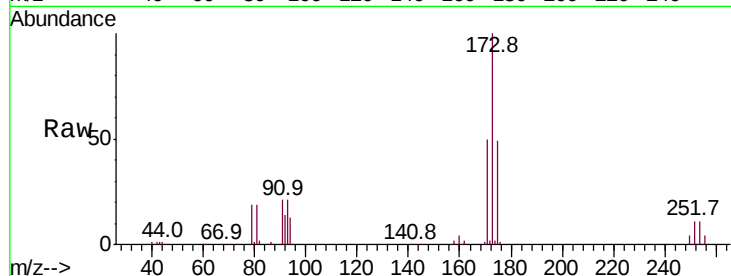
Tot Ion:173 Resp: 229683

Ion Ratio Lower Upper

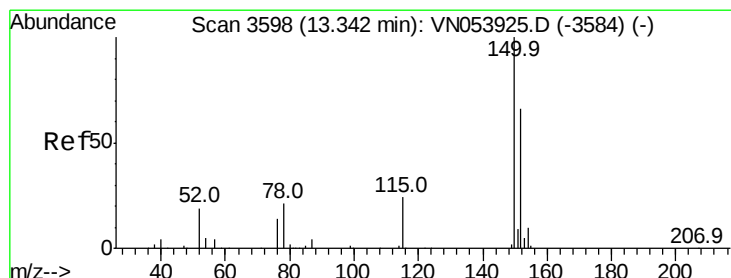
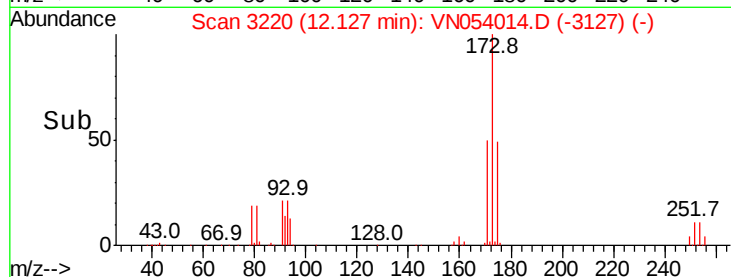
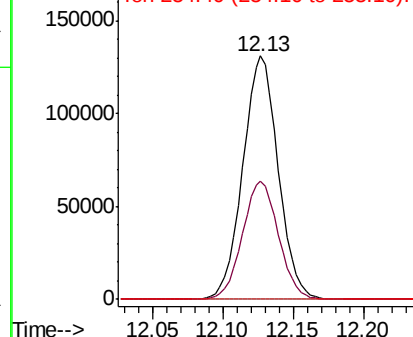
173 100

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: VN054014.D

Acq: 28 Feb 2019 19:41

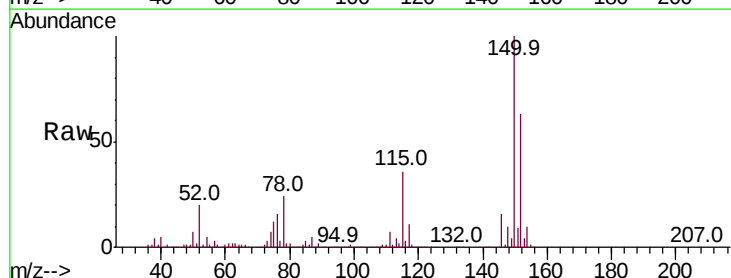
Tgt Ion:152 Resp: 427311

Ion Ratio Lower Upper

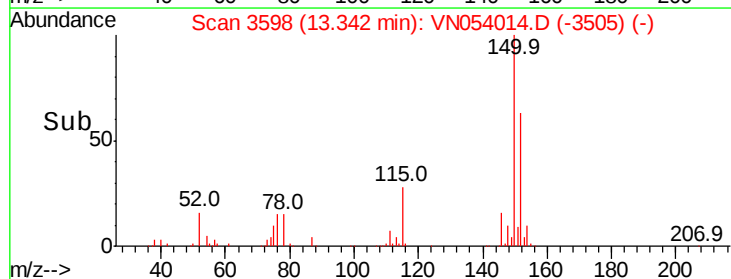
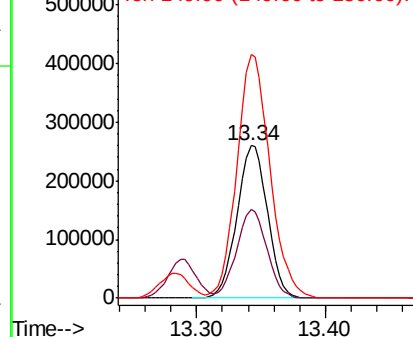
152 100

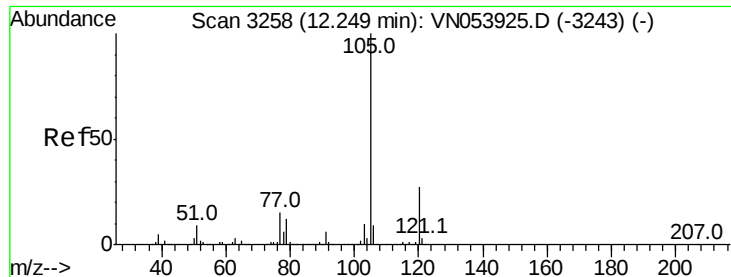
115 57.9 27.2 81.6

150 172.8 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: 47.314 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

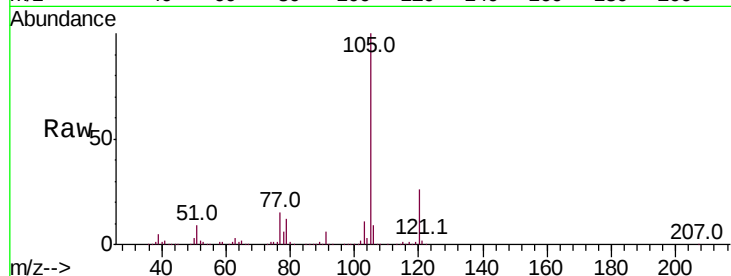
ClientSampleId :

Tot Ion:105 Resp: 1573821

Ion Ratio Lower Upper

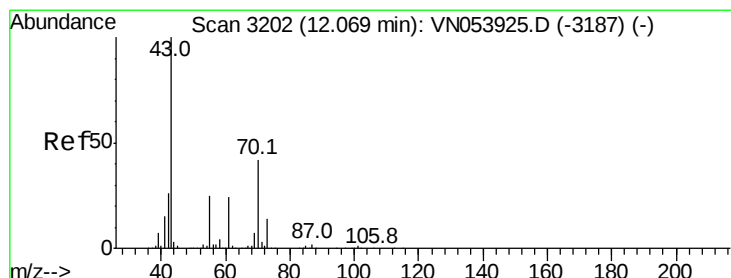
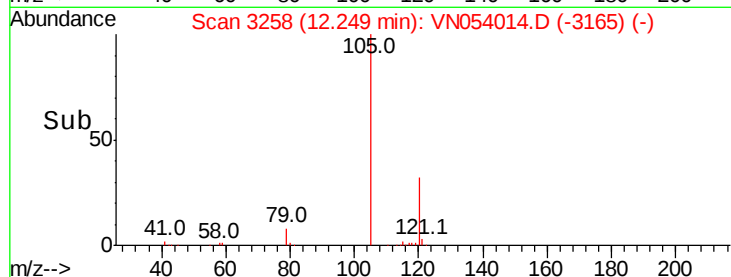
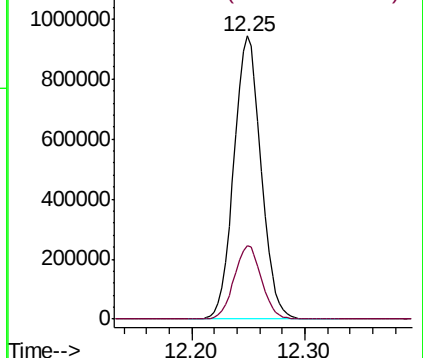
105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.175 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion: 43 Resp: 446152

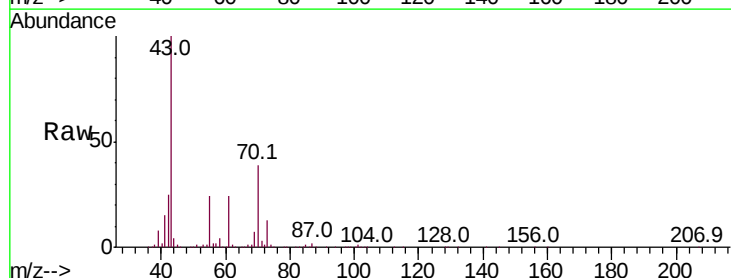
Ion Ratio Lower Upper

43 100

70 39.7 37.4 56.2

55 25.0 21.4 32.0

61 23.5 20.9 31.3

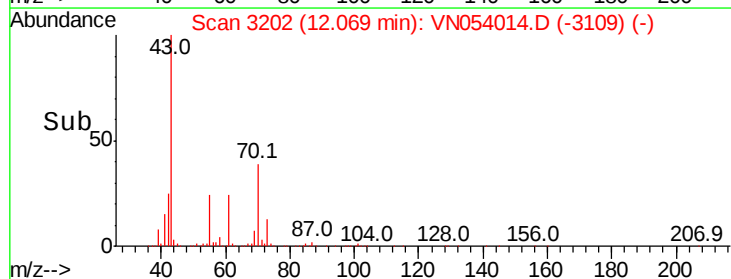
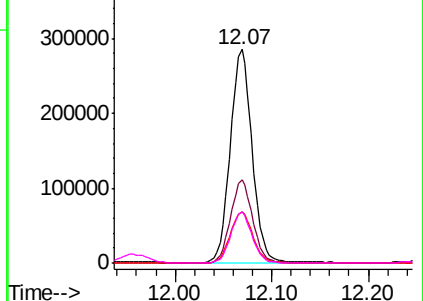


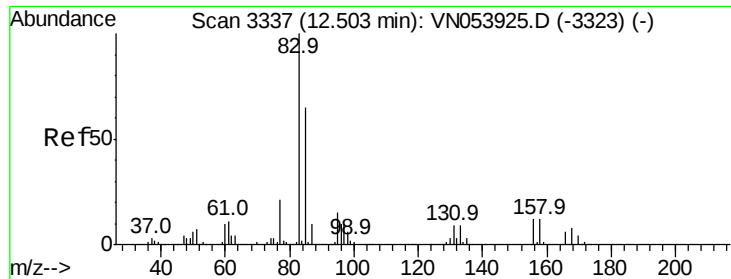
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.333 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

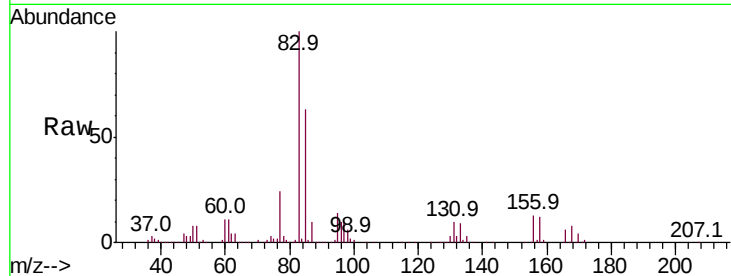
Tot Ion: 83 Resp: 377085

Ion Ratio Lower Upper

83 100

131 9.8 5.3 16.1

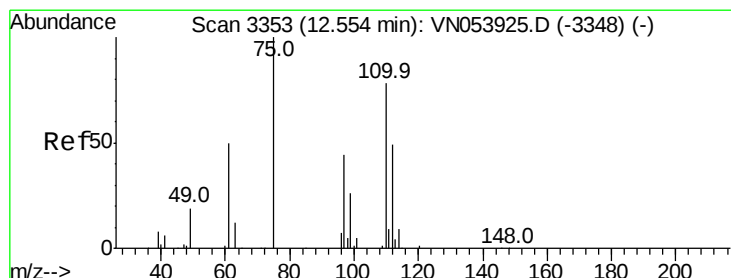
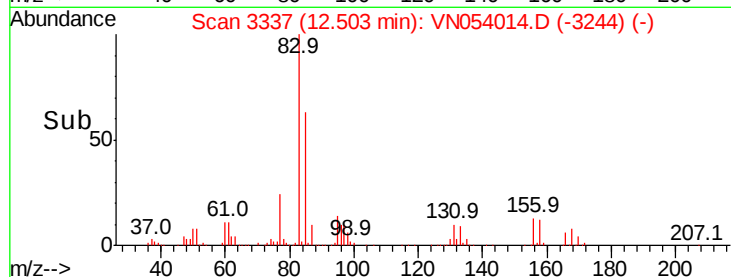
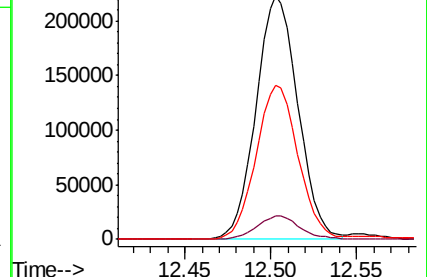
85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN053925.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053925.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053925.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 68.537 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054014.D

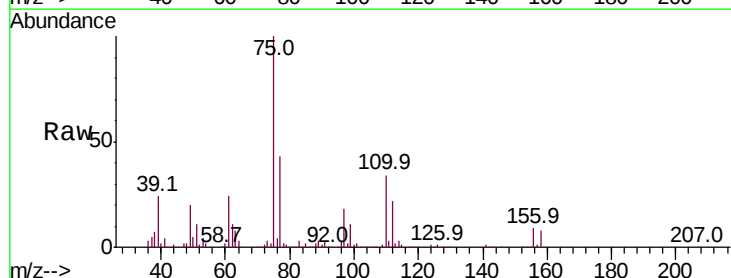
Acq: 28 Feb 2019 19:41

Tgt Ion: 75 Resp: 469806

Ion Ratio Lower Upper

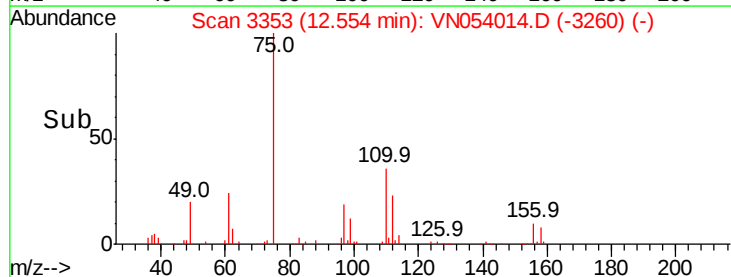
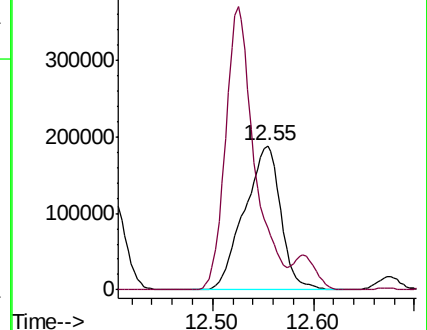
75 100

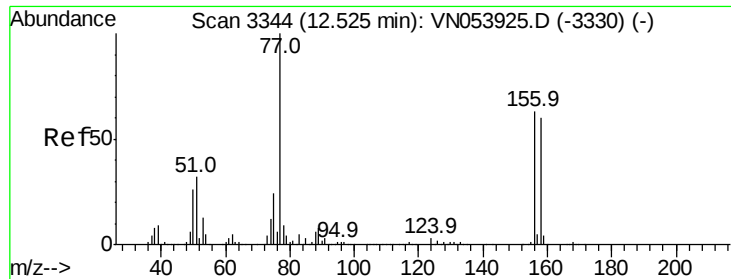
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053925.D (-3348) (-)





#77

Bromobenzene

Concen: 48.042 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampled :

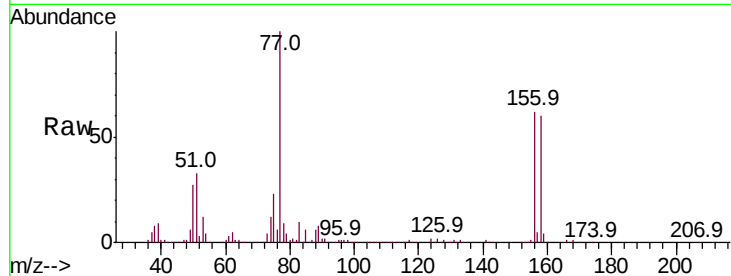
Tot Ion:156 Resp: 405725

Ion Ratio Lower Upper

156 100

77 182.5 84.0 252.2

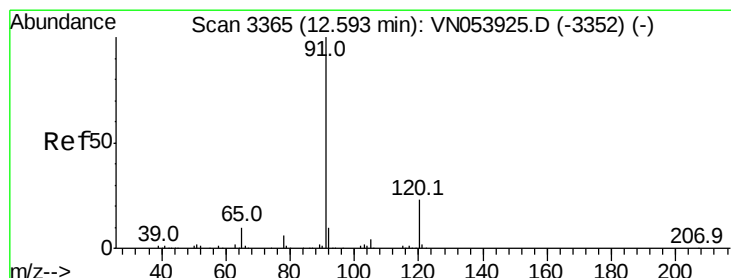
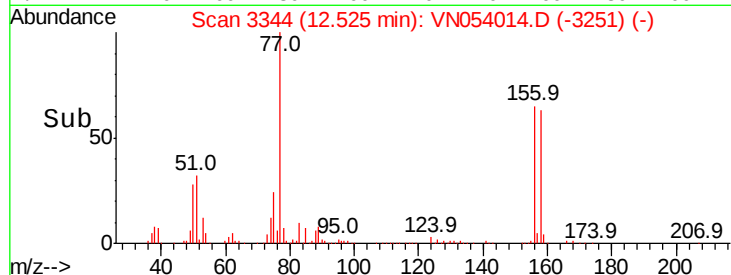
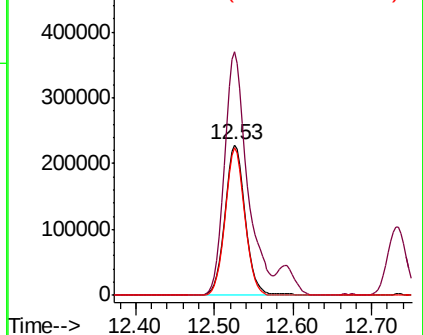
158 94.3 48.5 145.6



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: 49.089 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054014.D

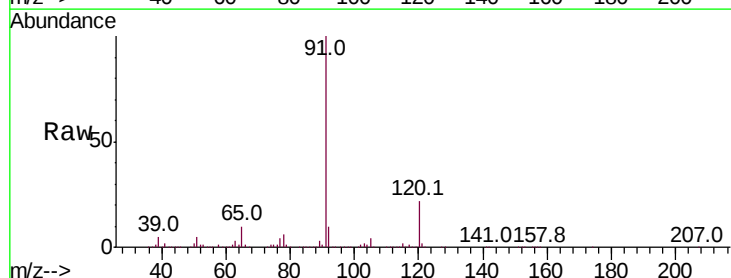
Acq: 28 Feb 2019 19:41

Tgt Ion: 91 Resp: 1857002

Ion Ratio Lower Upper

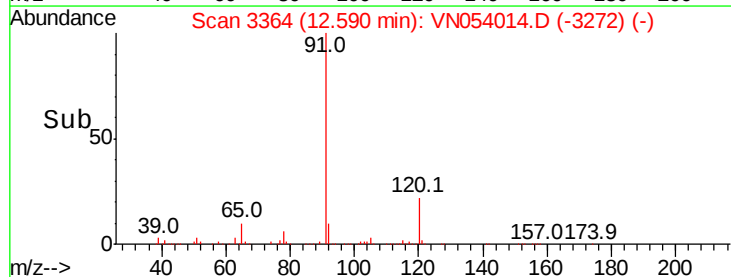
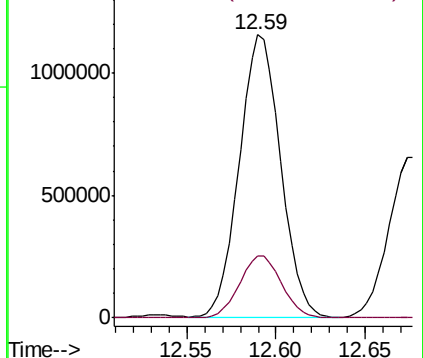
91 100

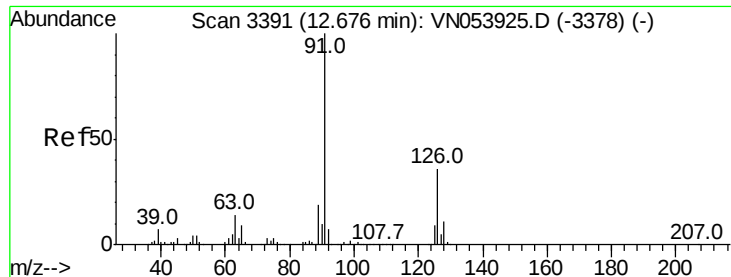
120 22.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.468 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

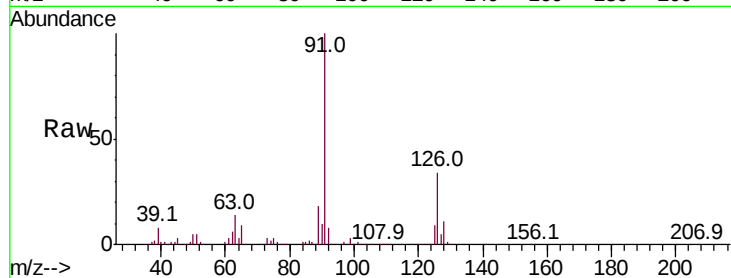
ClientSampleId :

Tot Ion: 91 Resp: 1078707

Ion Ratio Lower Upper

91 100

126 34.7 18.1 54.4



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

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)

1200000

800000

600000

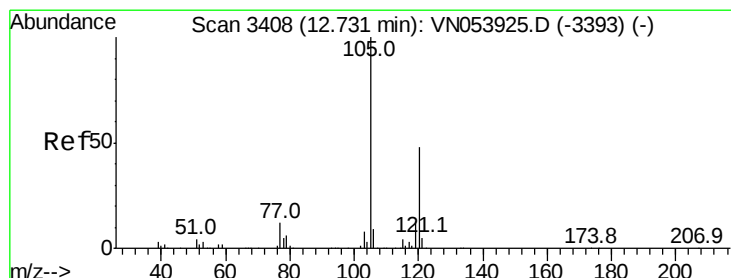
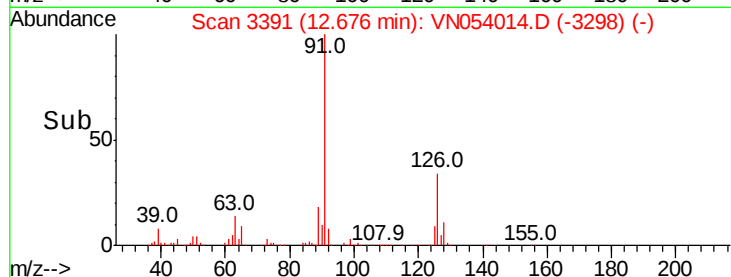
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.563 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054014.D

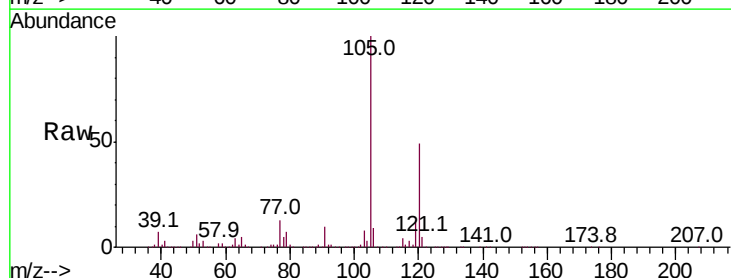
Acq: 28 Feb 2019 19:41

Tgt Ion:105 Resp: 1322452

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2



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

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)

800000

600000

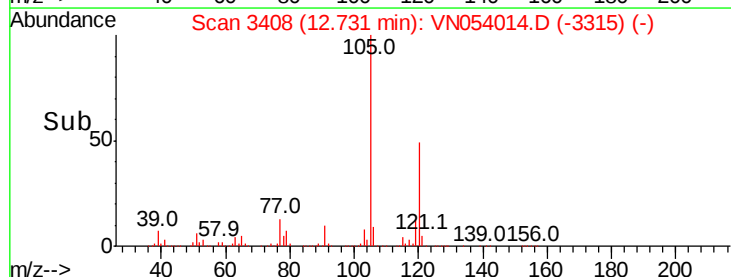
400000

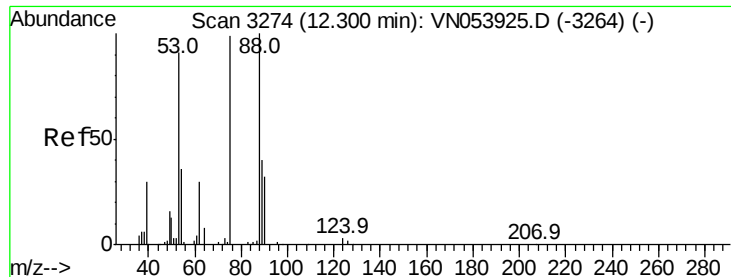
200000

0

12.70 12.75 12.80

Time-->

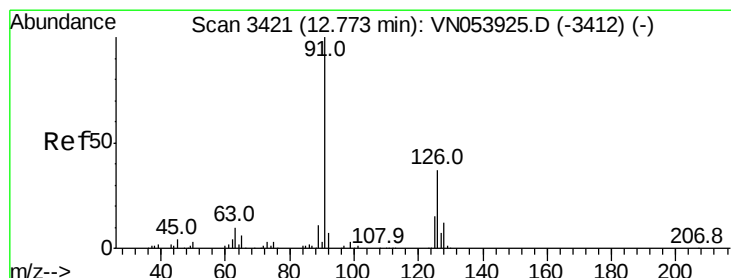
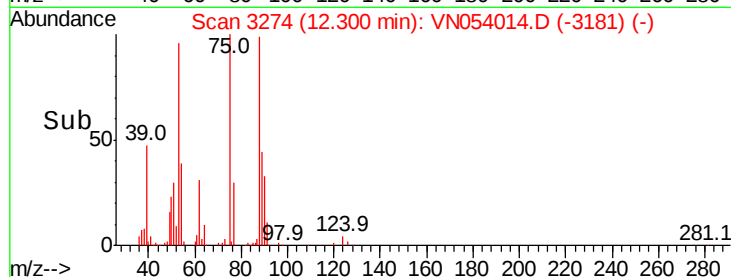
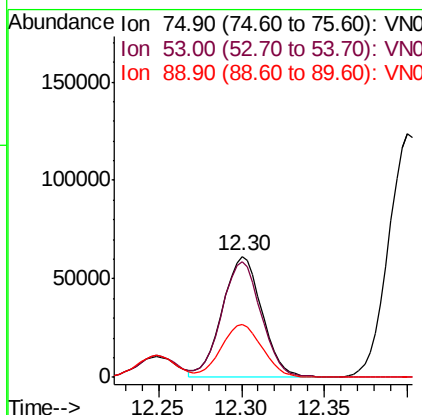
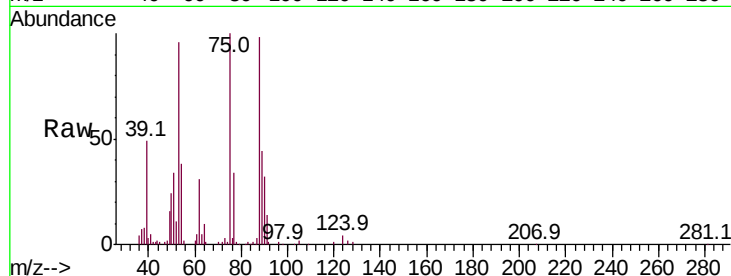




#81
trans-1,4-Dichloro-2-butene
Concen: 47.301 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

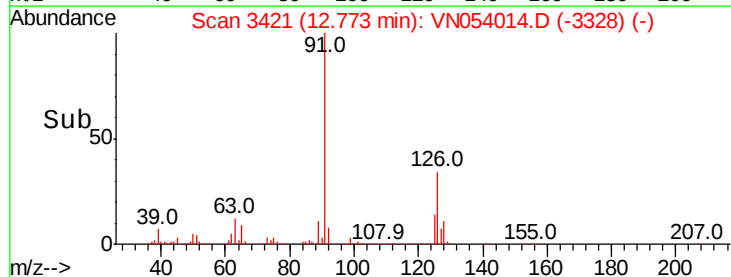
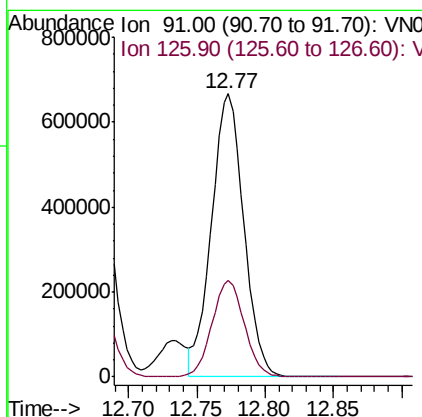
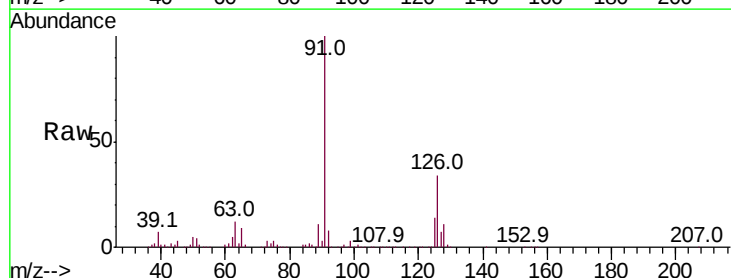
Instrument :
MSVOA_N
ClientSampleId :

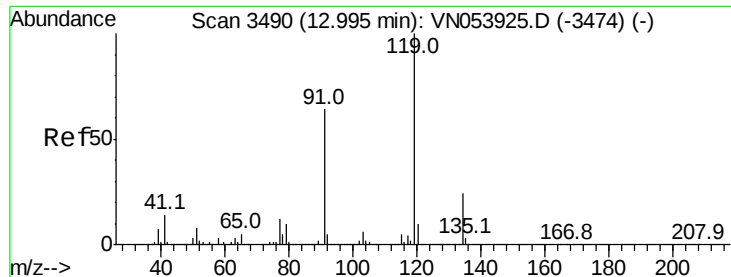
Tot Ion: 75 Resp: 102587
Ion Ratio Lower Upper
75 100
53 94.8 68.6 102.8
89 45.0 35.3 52.9



#82
4-Chlorotoluene
Concen: 48.645 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 91 Resp: 1092558
Ion Ratio Lower Upper
91 100
126 34.2 18.0 54.0

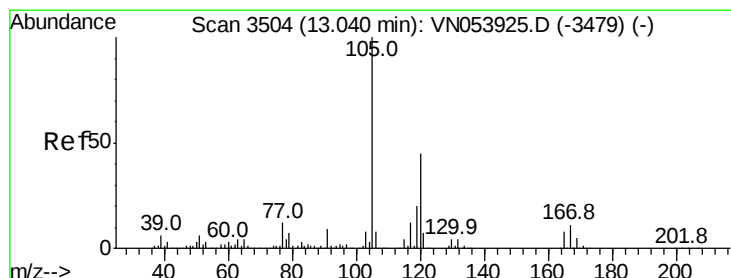
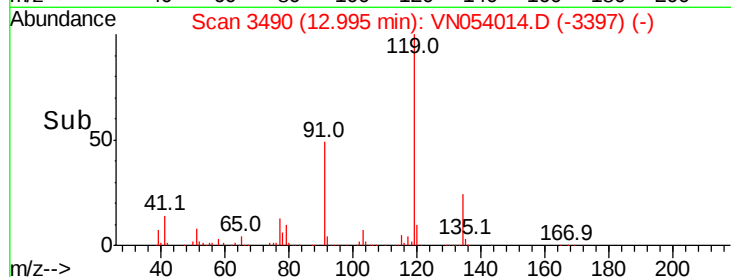
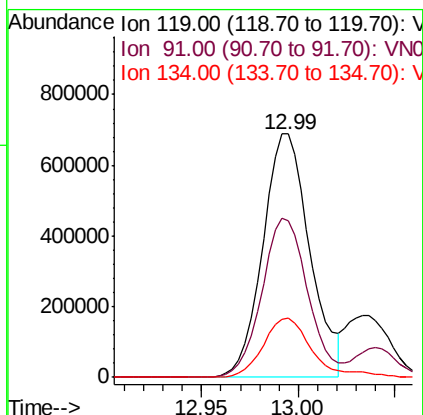
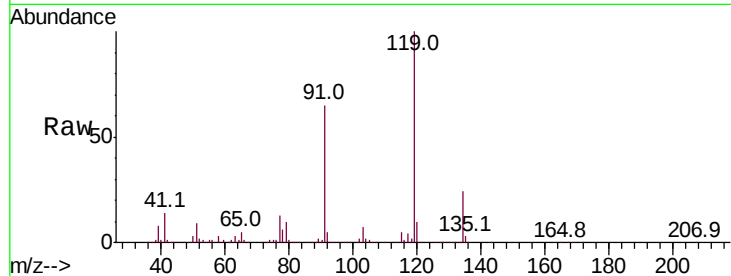




#83
tert-Butylbenzene
Concen: 48.449 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

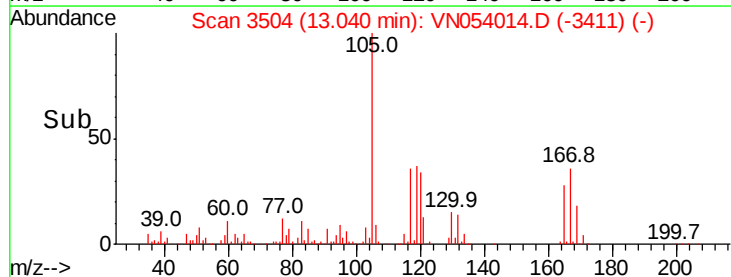
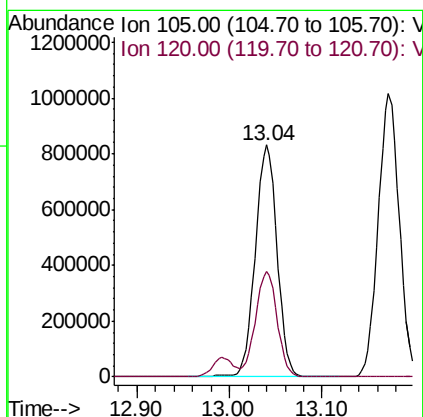
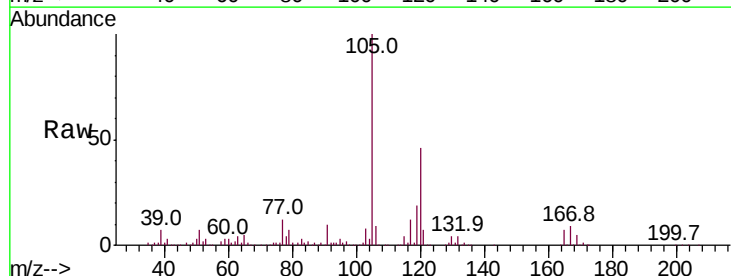
Instrument :
MSVOA_N
ClientSampleId :

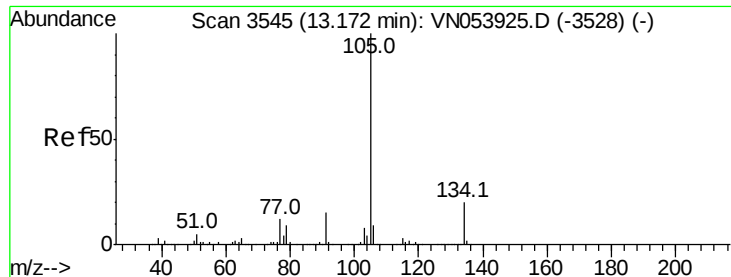
Tot Ion:119 Resp: 1166866
Ion Ratio Lower Upper
119 100
91 64.2 30.6 91.8
134 25.5 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 49.775 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion:105 Resp: 1353199
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.5

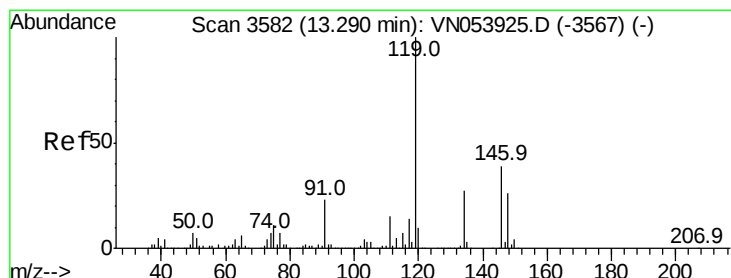
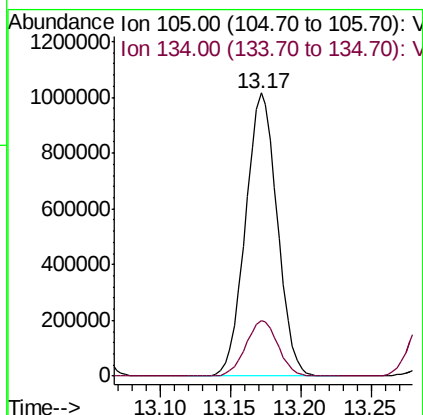
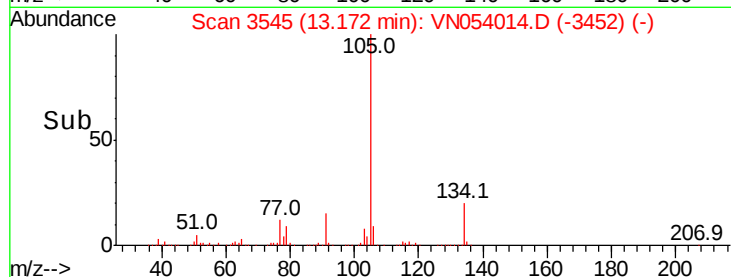
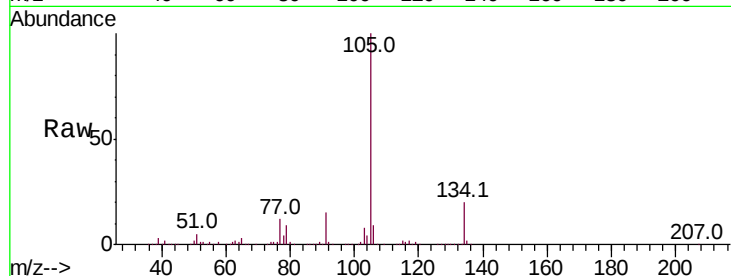




#85
 sec-Butylbenzene
 Concen: 48.636 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

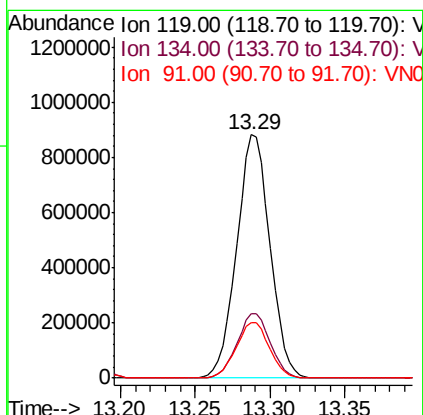
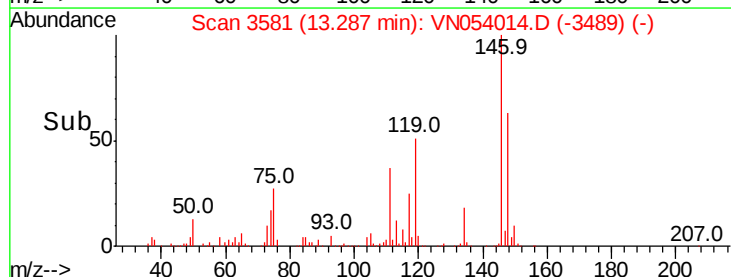
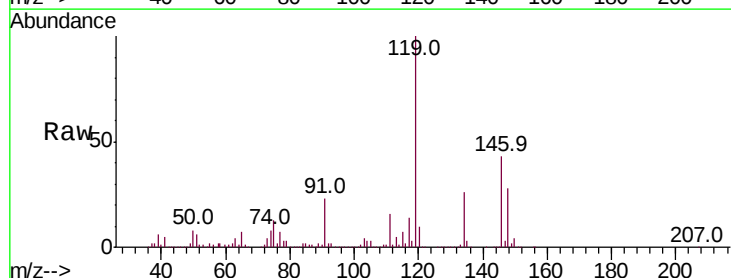
Instrument :
 MSVOA_N
 ClientSampled :

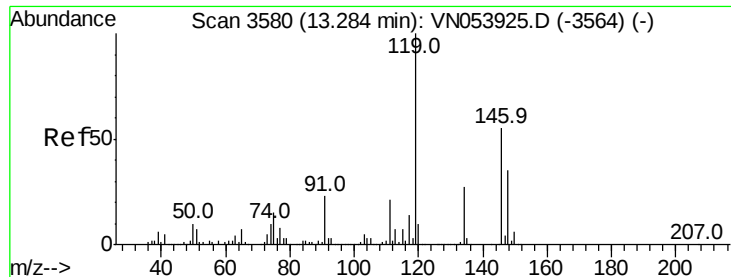
Tot Ion:105 Resp: 1599901
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 48.965 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion:119 Resp: 1361662
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 22.9 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 47.821 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

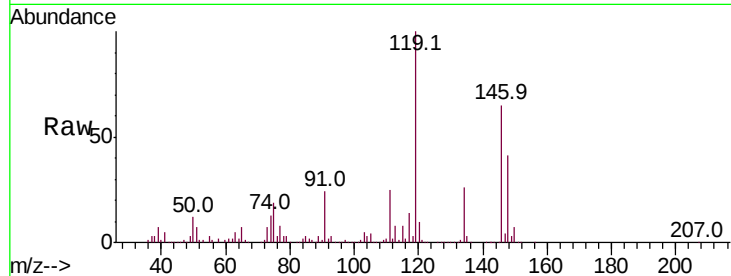
Tot Ion:146 Resp: 698641

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

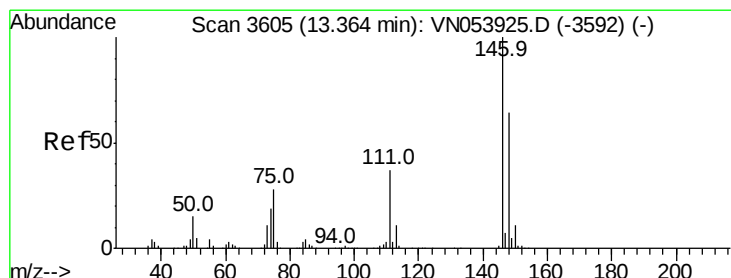
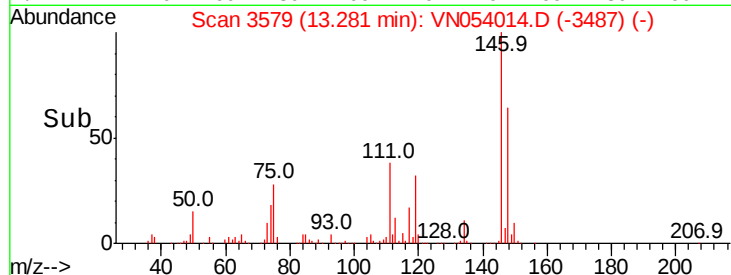
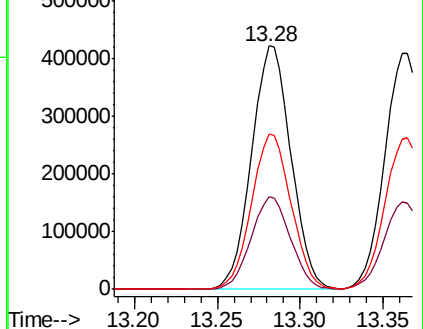
148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.058 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

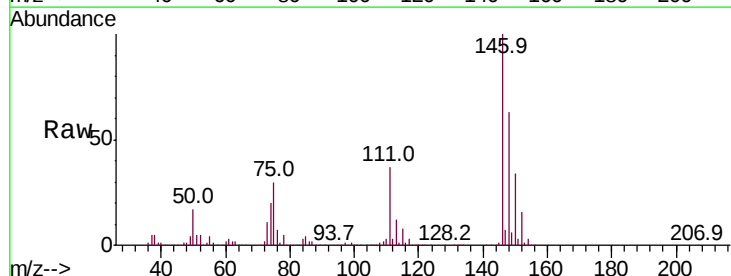
Tgt Ion:146 Resp: 681165

Ion Ratio Lower Upper

146 100

111 37.4 18.0 54.0

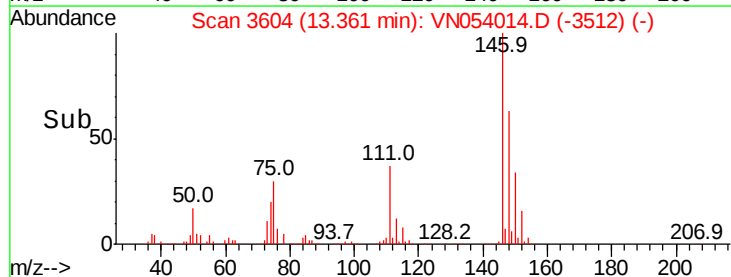
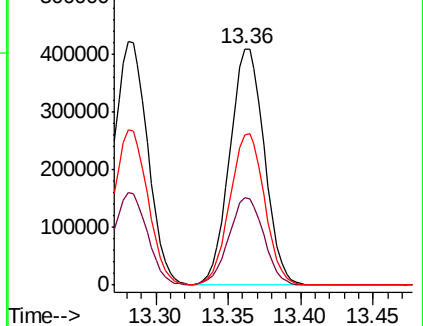
148 64.3 32.1 96.5

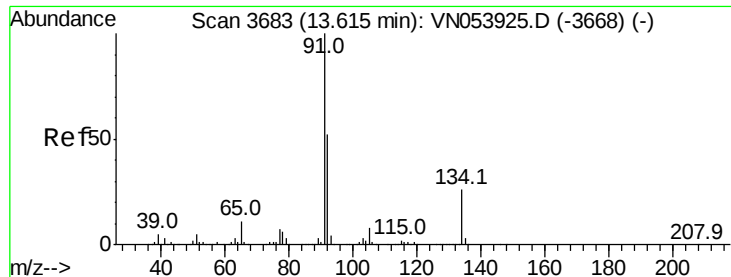


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

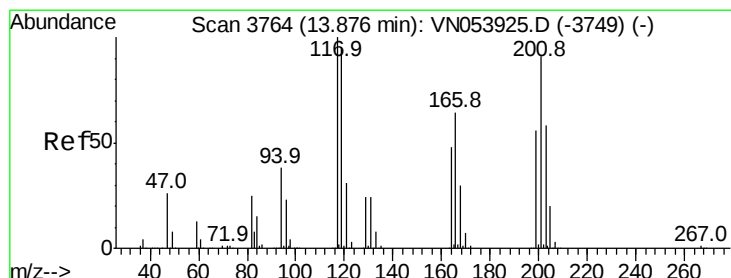
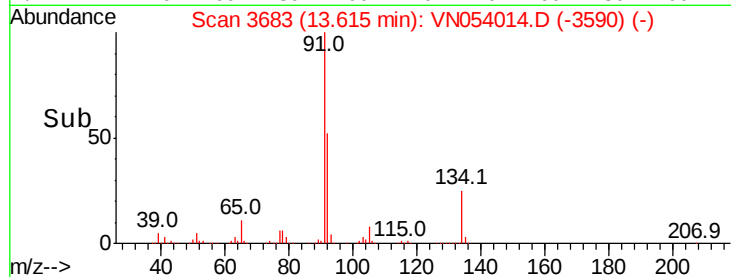
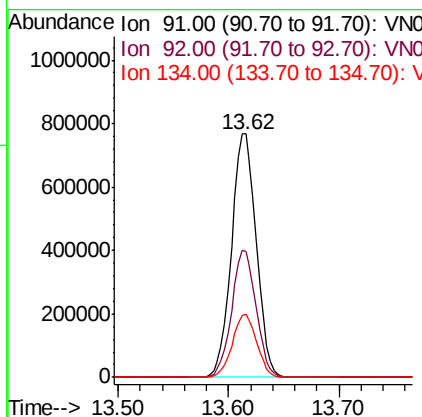
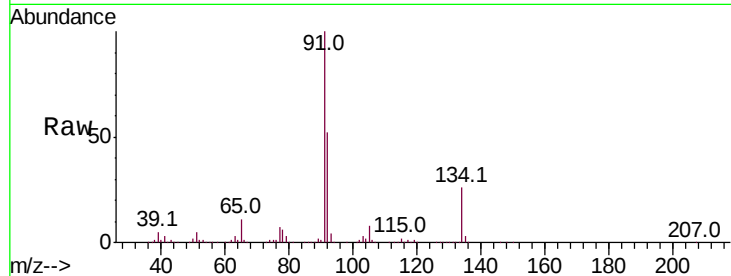




#89
n-Butylbenzene
Concen: 50.896 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

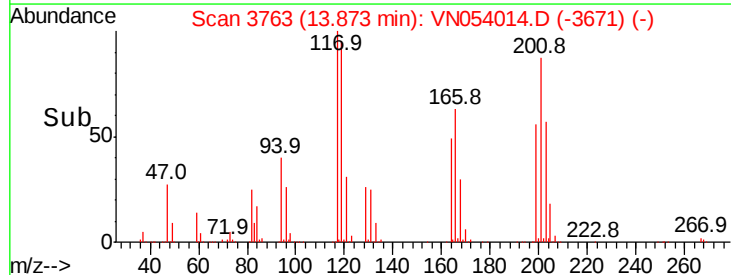
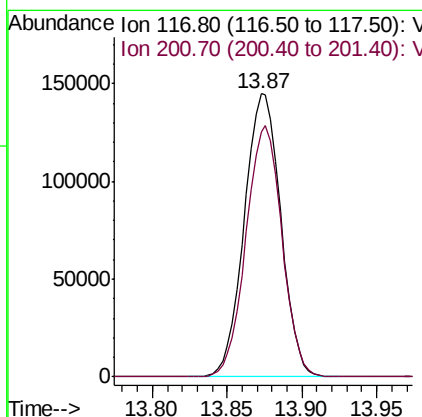
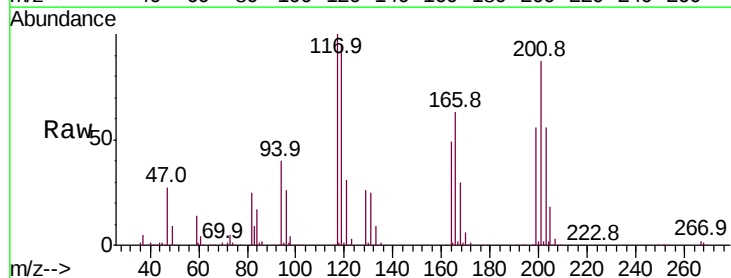
Instrument :
MSVOA_N
ClientSampled :

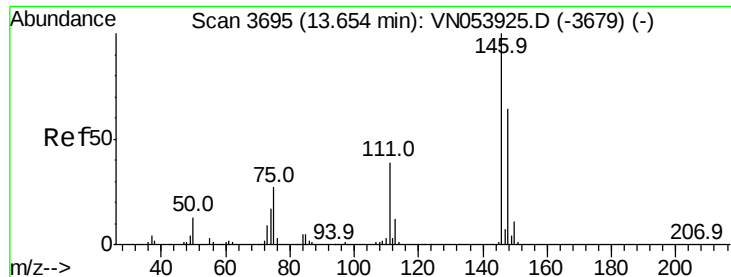
Tot Ion: 91 Resp: 1192819
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.2
134 25.5 13.6 40.8



#90
Hexachloroethane
Concen: 45.771 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 117 Resp: 246655
Ion Ratio Lower Upper
117 100
201 87.2 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 48.375 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampled :

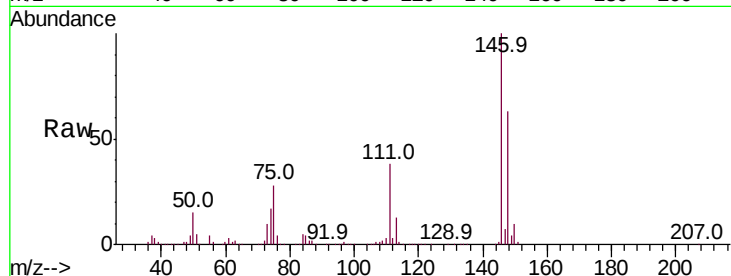
Tot Ion:146 Resp: 684127

Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.5

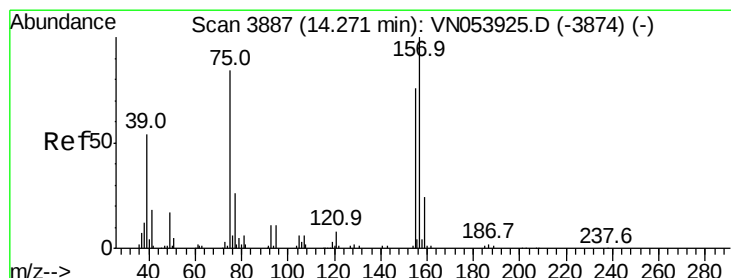
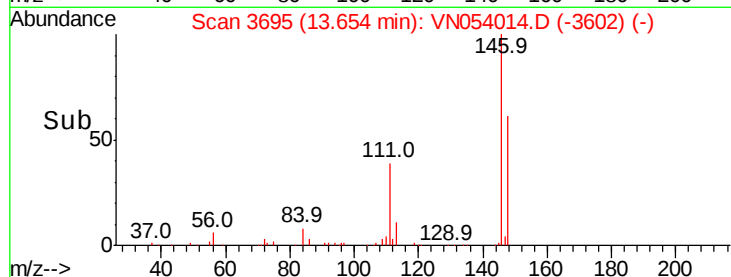
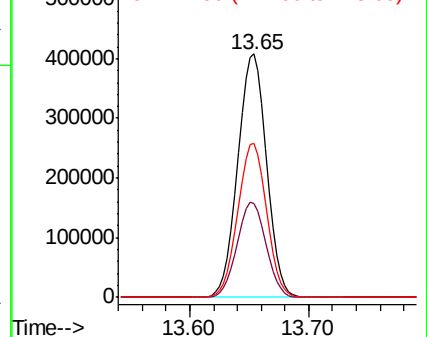
148 63.4 32.1 96.5



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: 47.964 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

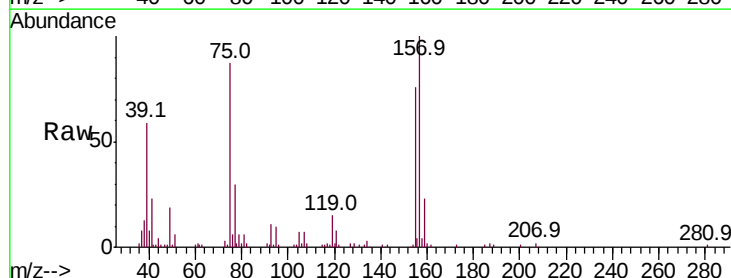
Tgt Ion: 75 Resp: 56381

Ion Ratio Lower Upper

75 100

155 87.0 49.5 148.5

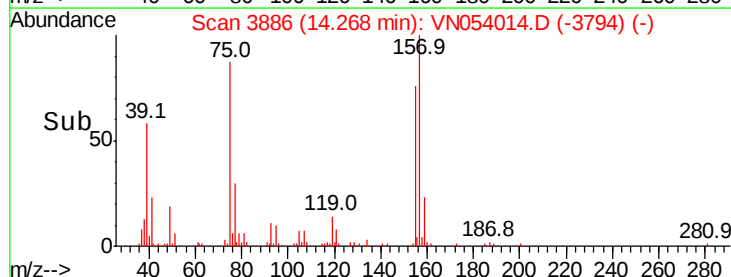
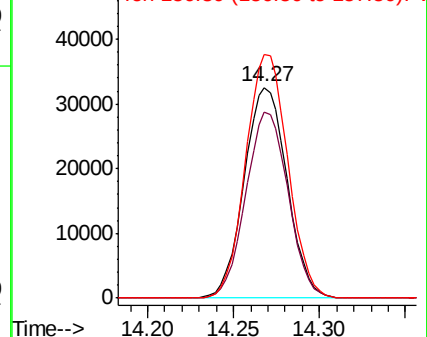
157 113.7 64.8 194.6

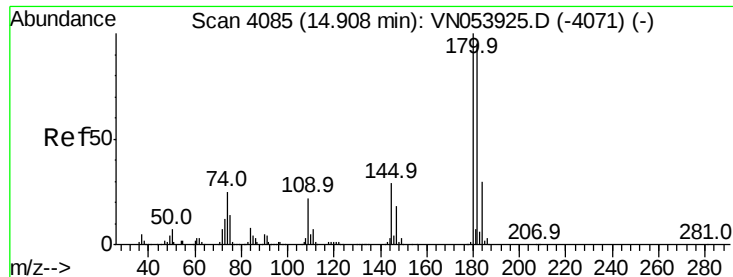


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

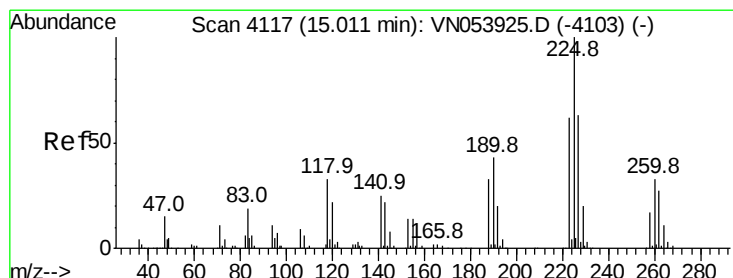
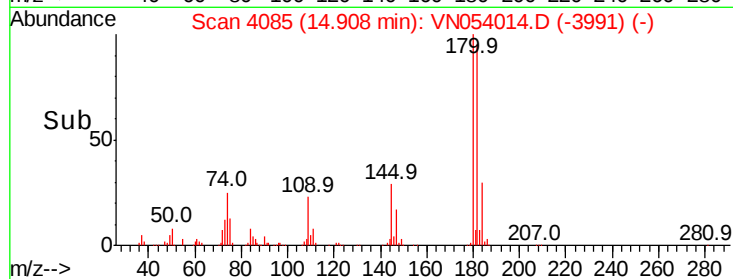
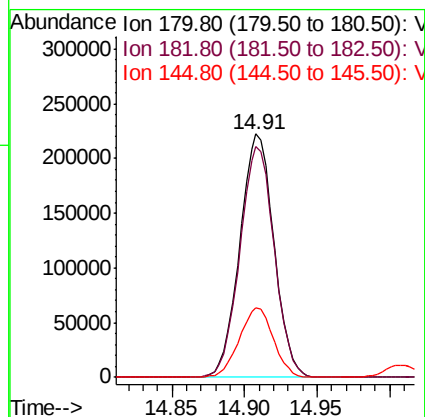
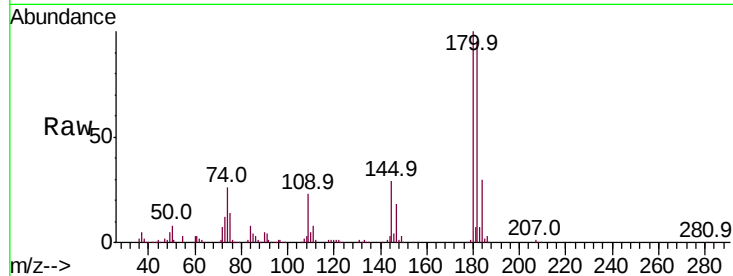




#93
 1,2,4-Trichlorobenzene
 Concen: 46.370 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

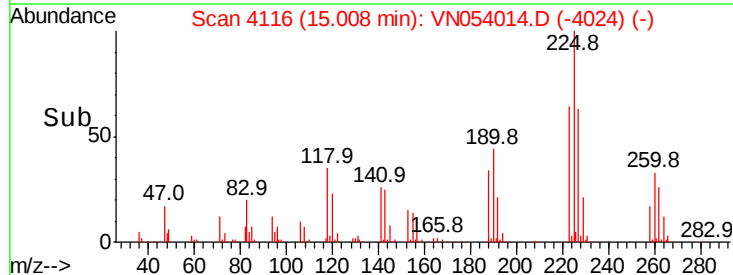
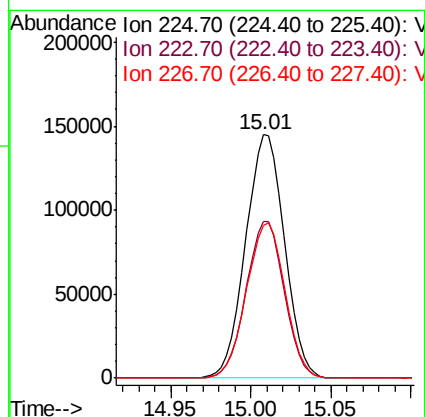
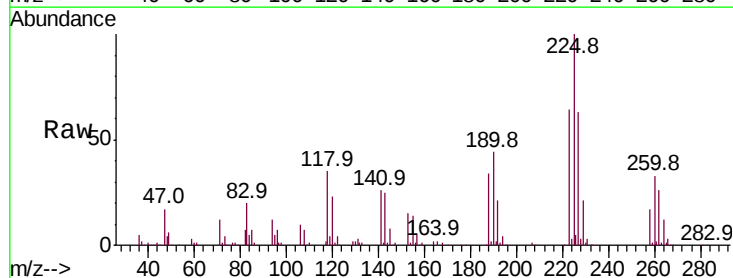
Instrument :
 MSVOA_N
 ClientSampleId :

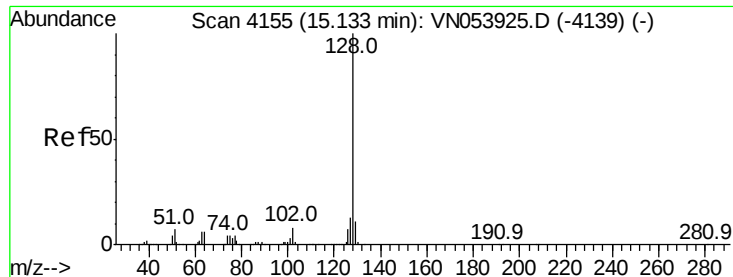
Tot Ion:180 Resp: 362874
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.6 145.9
 145 28.6 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 47.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion:225 Resp: 240966
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.5
 227 63.4 32.5 97.4





#95

Naphthalene

Concen: 44.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

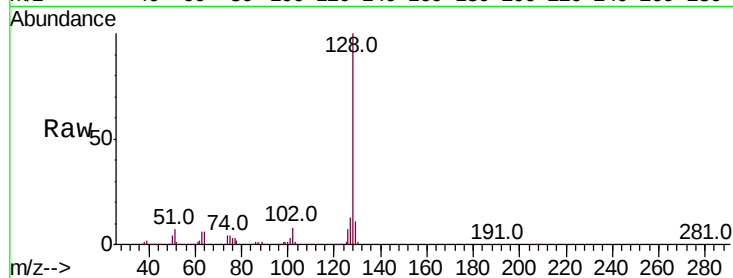
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 750680

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

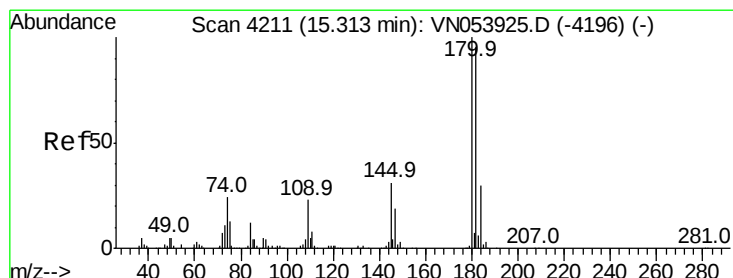
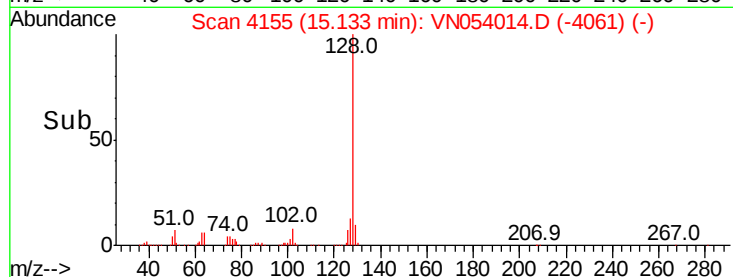
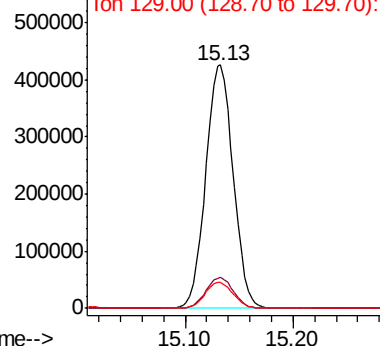


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.413 ug/l

RT: 15.31 min Scan# 4211

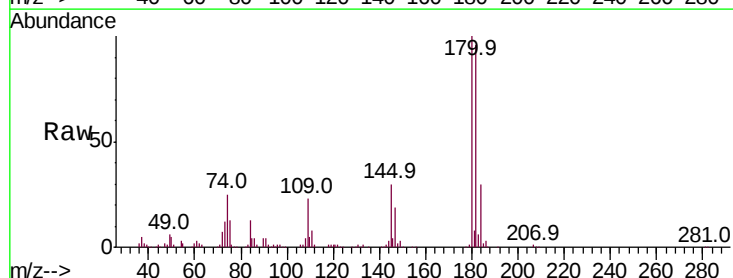
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:180 Resp: 348795

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	30.3	14.4	43.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

