

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055294.D
 Acq On : 29 Apr 2019 15:29
 Operator : JC/SP
 Sample : VN0429WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Quant Time: Apr 30 04:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	421999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	680725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	274519	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	219865	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	797672	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	254966	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112430	21.745	ug/l	98
3) Chloromethane	2.06	50	128930	20.138	ug/l	98
4) Vinyl Chloride	2.19	62	104021	20.156	ug/l	99
5) Bromomethane	2.56	94	54951	20.102	ug/l	98
6) Chloroethane	2.71	64	54114	19.356	ug/l	96
7) Trichlorofluoromethane	3.02	101	145064	19.768	ug/l	97
8) Diethyl Ether	3.41	74	52421	20.418	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85890	19.655	ug/l	99
10) Methyl Iodide	3.96	142	124309	20.213	ug/l	99
11) Tert butyl alcohol	4.78	59	18394	58.195	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	83374	20.000	ug/l	97
13) Acrolein	3.61	56	27216	110.256	ug/l	96
14) Allyl chloride	4.33	41	167670	19.420	ug/l	99
15) Acrylonitrile	4.99	53	185886	104.629	ug/l	100
16) Acetone	3.82	43	154068	89.565	ug/l	99
17) Carbon Disulfide	4.06	76	212721	19.553	ug/l	100
18) Methyl Acetate	4.33	43	93995	21.848	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	243217	20.754	ug/l	99
20) Methylene Chloride	4.55	84	103938	19.796	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86864	19.675	ug/l	96
22) Diisopropyl ether	5.95	45	353853	20.628	ug/l	96
23) Vinyl Acetate	5.90	43	1204231	107.110	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183036	20.026	ug/l	99
25) 2-Butanone	6.84	43	228591	103.910	ug/l	99
26) 2,2-Dichloropropane	6.82	77	118486	18.773	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	102134	20.343	ug/l	99
28) Bromochloromethane	7.20	49	86473	18.769	ug/l	100
29) Tetrahydrofuran	7.22	42	153975	109.307	ug/l	99
30) Chloroform	7.37	83	171275	19.768	ug/l	100
31) Cyclohexane	7.65	56	171273	19.723	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137768	19.592	ug/l	100
36) 1,1-Dichloropropene	7.80	75	123814	18.989	ug/l	100
37) Ethyl Acetate	6.94	43	102795	20.570	ug/l	97
38) Carbon Tetrachloride	7.78	117	116752	18.562	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	133271	19.224	ug/l	96
40) Benzene	8.04	78	378015	19.666	ug/l	100
41) Methacrylonitrile	7.18	41	57316	21.618	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	136880	20.106	ug/l	100
43) Isopropyl Acetate	8.16	43	175923	21.906	ug/l #	88
44) Trichloroethene	8.83	130	94183	19.221	ug/l	97
45) 1,2-Dichloropropane	9.12	63	109591	19.768	ug/l	98
46) Dibromomethane	9.21	93	60712	20.035	ug/l	99
47) Bromodichloromethane	9.40	83	127968	19.685	ug/l	99
48) Methyl methacrylate	9.20	41	84344	21.364	ug/l	96
49) 1,4-Dioxane	9.20	88	18785	460.284	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	487309	107.776	ug/l	99
52) Toluene	10.16	92	225759	20.470	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	115005	20.379	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143271	20.362	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84035	20.519	ug/l	99
56) Ethyl methacrylate	10.43	69	109474	21.718	ug/l	97
57) 1,3-Dichloropropane	10.71	76	146480	20.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	140895	97.999	ug/l	99
59) 2-Hexanone	10.75	43	301945	106.730	ug/l	99
60) Dibromochloromethane	10.90	129	85890	20.520	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77566	20.491	ug/l	97
64) Tetrachloroethene	10.63	164	90846	18.980	ug/l	98
65) Chlorobenzene	11.43	112	227770	19.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87350	19.494	ug/l	98
67) Ethyl Benzene	11.51	91	409751	19.829	ug/l	100
68) m/p-Xylenes	11.62	106	300034	40.677	ug/l	98
69) o-Xylene	11.95	106	147060	20.115	ug/l	100
70) Styrene	11.96	104	234683	20.907	ug/l	100
71) Bromoform	12.13	173	51579	20.745	ug/l #	98
73) Isopropylbenzene	12.25	105	393715	21.388	ug/l	98
74) N-amyl acetate	12.07	43	115213	21.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104960	23.126	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	117318	28.507	ug/l #	100
77) Bromobenzene	12.53	156	93850	21.821	ug/l	98
78) n-propylbenzene	12.59	91	419834	19.161	ug/l	100
79) 2-Chlorotoluene	12.67	91	262555	21.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	315949	18.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22232	19.752	ug/l	90
82) 4-Chlorotoluene	12.77	91	245347	19.258	ug/l	100
83) tert-Butylbenzene	12.99	119	271796	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	299318	20.014	ug/l	98
85) sec-Butylbenzene	13.17	105	350795	19.300	ug/l	99
86) p-Isopropyltoluene	13.29	119	293011	19.614	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	142242	19.928	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	132231	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	206438	19.447	ug/l	99
90) Hexachloroethane	13.87	117	48512	19.550	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	139987	19.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13802	24.595	ug/l	88

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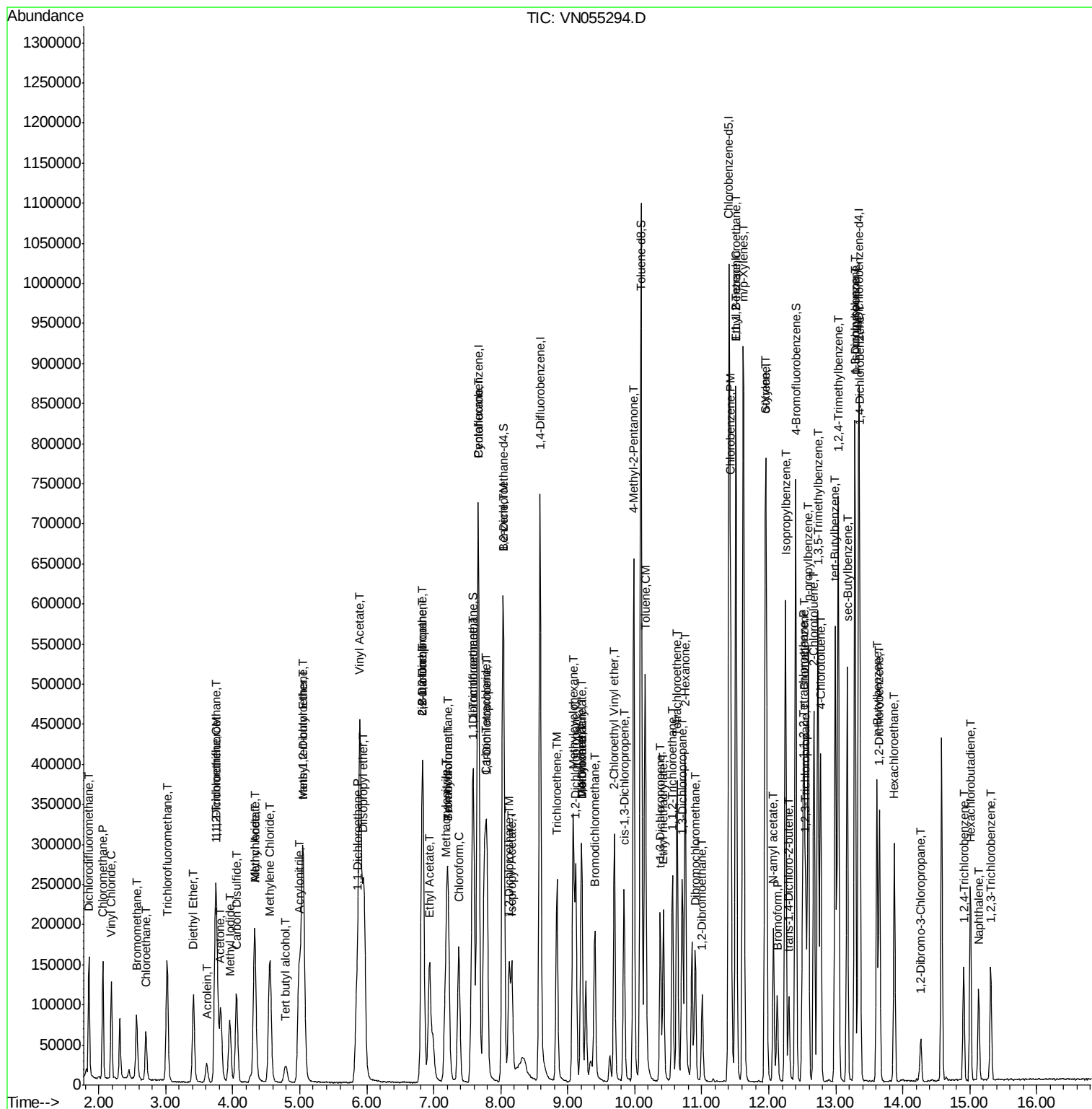
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44370	18.166	ug/l	98
94) Hexachlorobutadiene	15.01	225	47557	20.700	ug/l	95
95) Naphthalene	15.13	128	95769	18.406	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	48599	19.382	ug/l	100

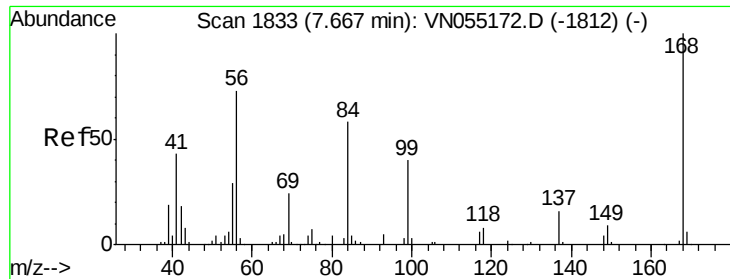
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
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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: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

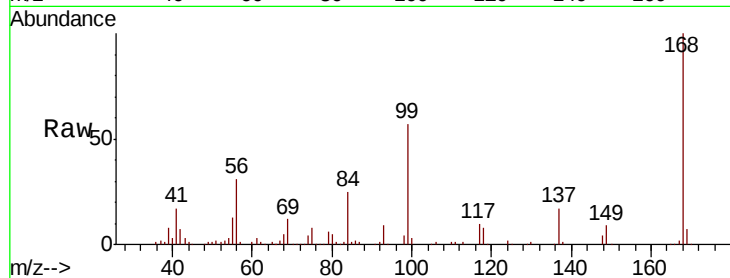
VN0429WBSD01

Tgt Ion:168 Resp: 421999

Ion Ratio Lower Upper

168 100

99 57.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

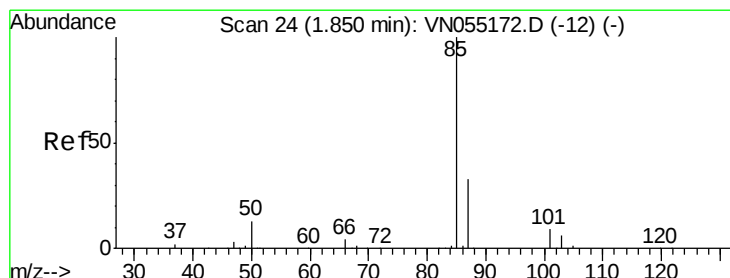
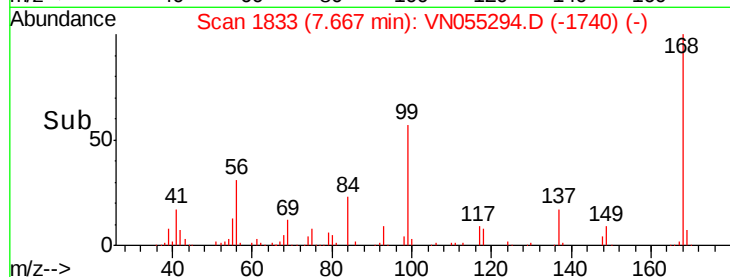
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.745 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055294.D

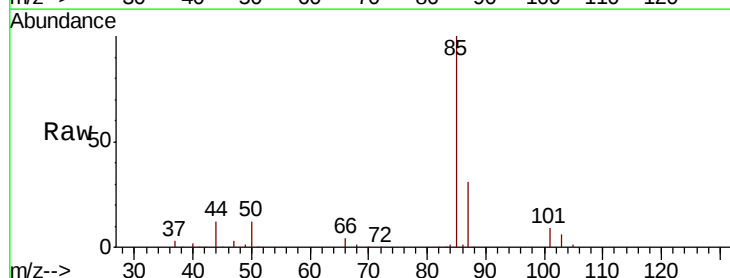
Acq: 29 Apr 2019 15:29

Tgt Ion: 85 Resp: 112430

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

60000

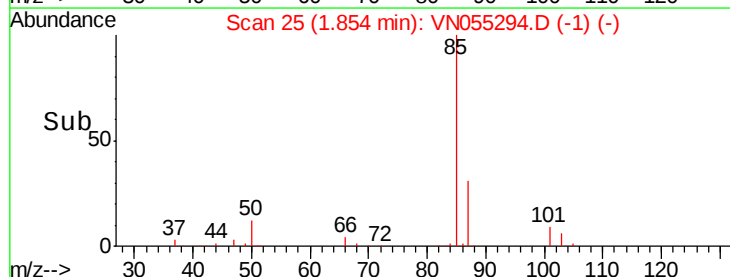
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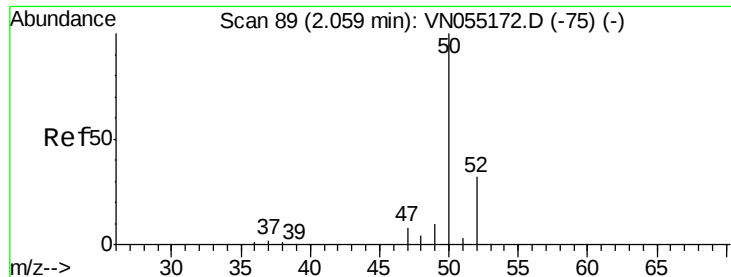
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.138 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

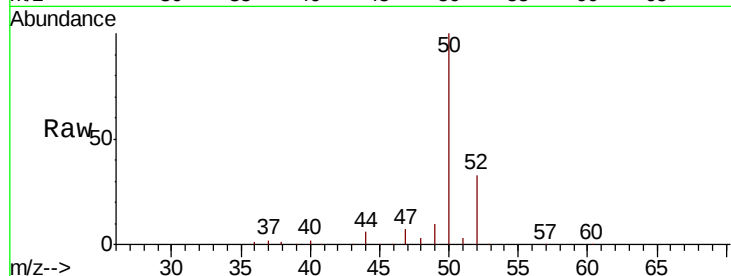
VN0429WBSD01

Tgt Ion: 50 Resp: 128930

Ion Ratio Lower Upper

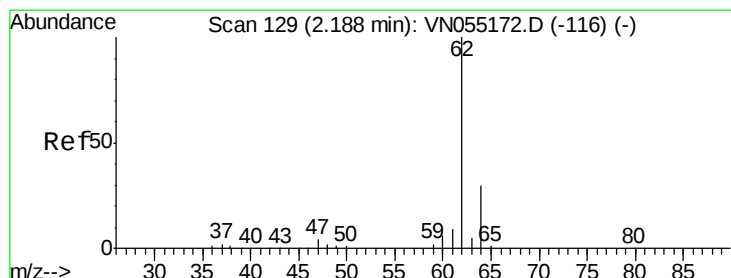
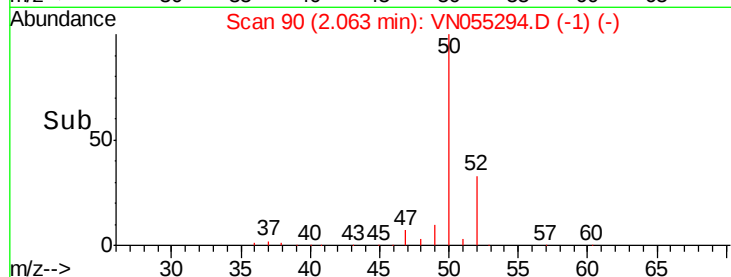
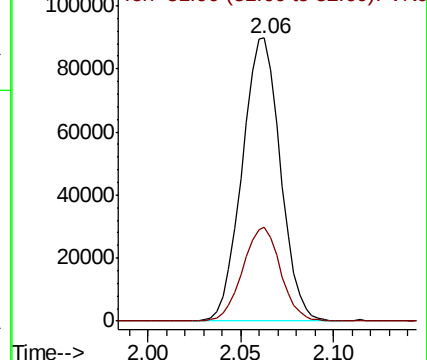
50 100

52 33.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.156 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055294.D

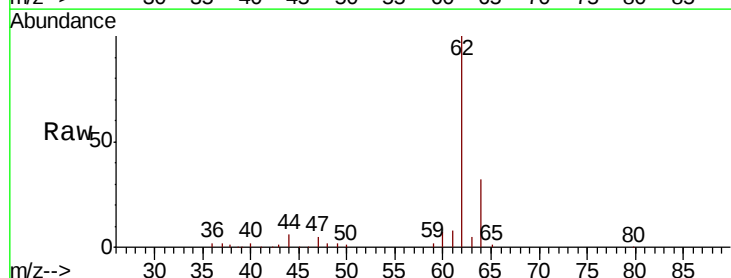
Acq: 29 Apr 2019 15:29

Tgt Ion: 62 Resp: 104021

Ion Ratio Lower Upper

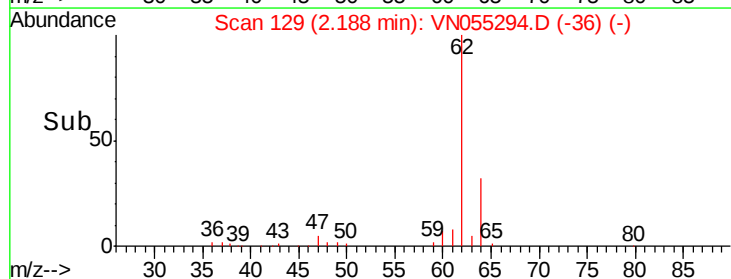
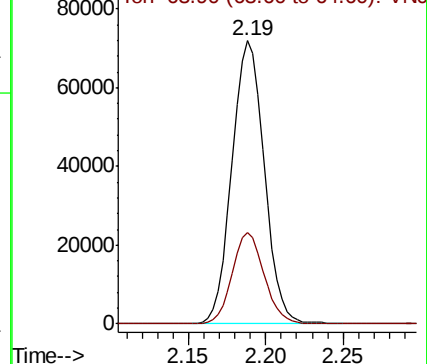
62 100

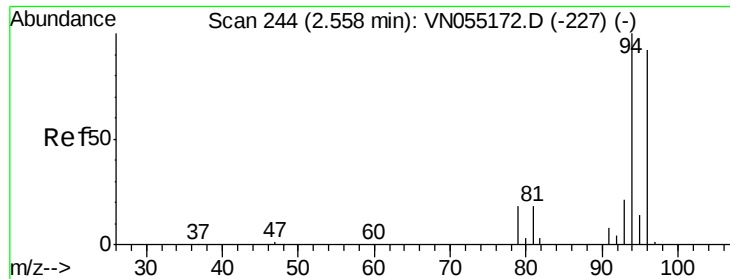
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

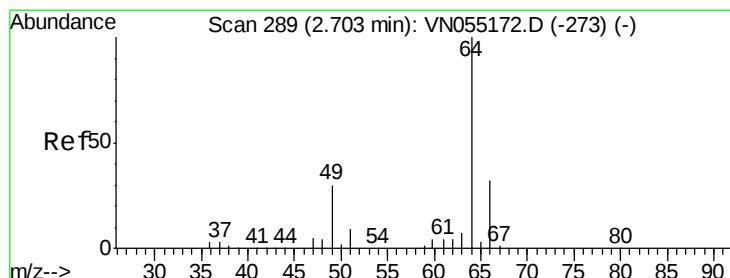
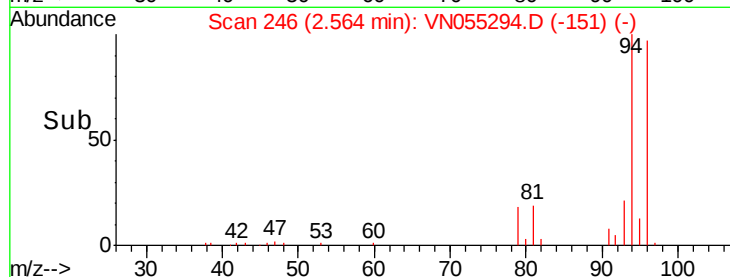
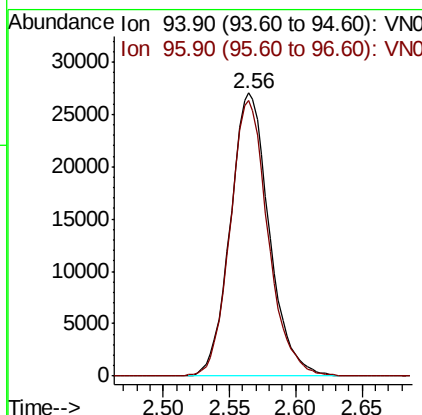
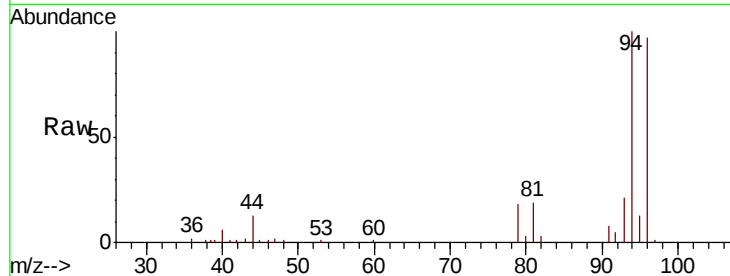




#5
Bromomethane
Concen: 20.102 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

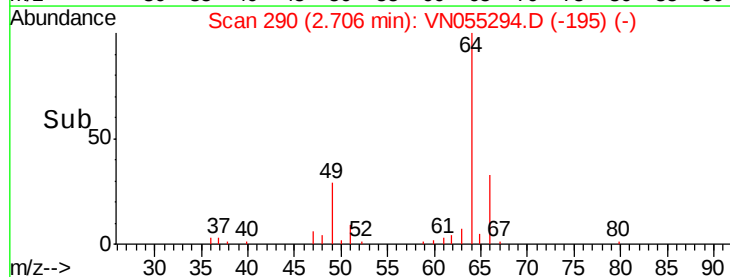
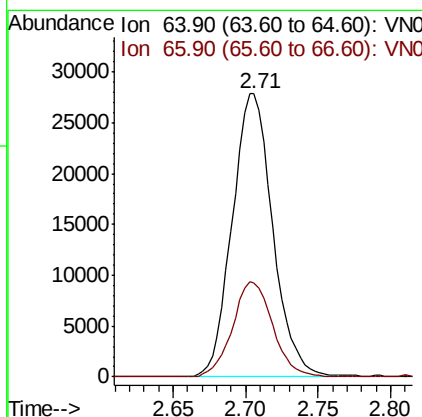
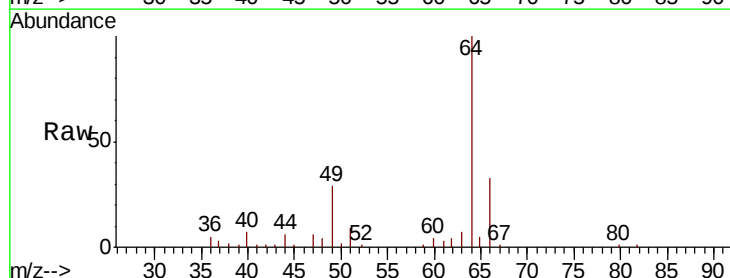
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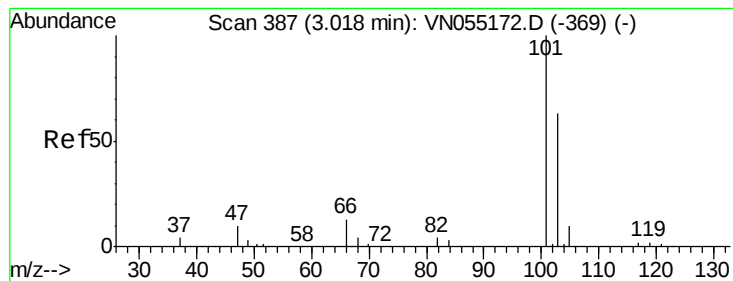
Tgt Ion: 94 Resp: 54951
Ion Ratio Lower Upper
94 100
96 97.3 76.0 114.0



#6
Chloroethane
Concen: 19.356 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 64 Resp: 54114
Ion Ratio Lower Upper
64 100
66 33.4 25.0 37.4



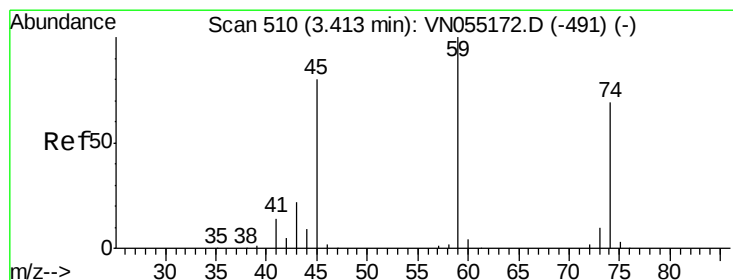
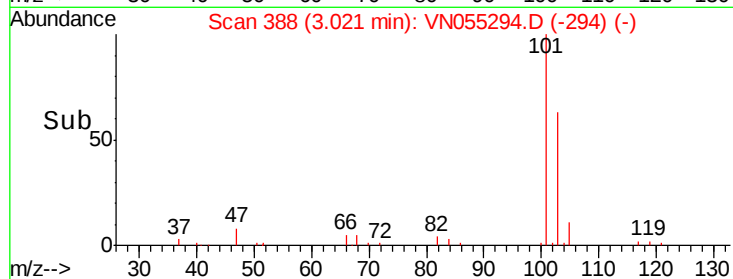
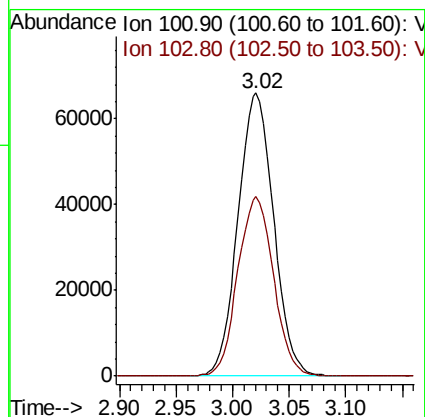
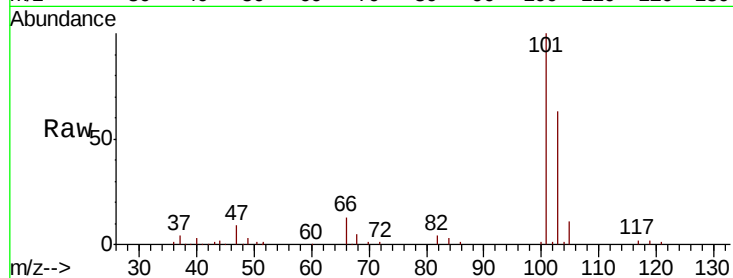


#7

Trichlorofluoromethane
 Concen: 19.768 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
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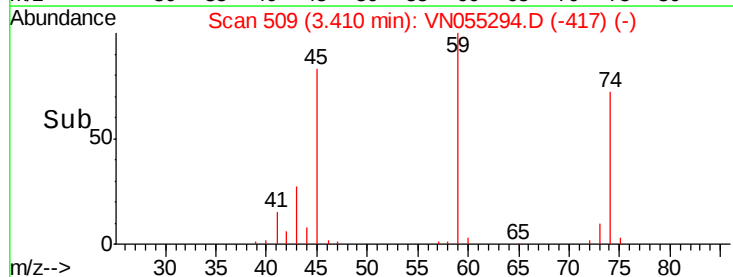
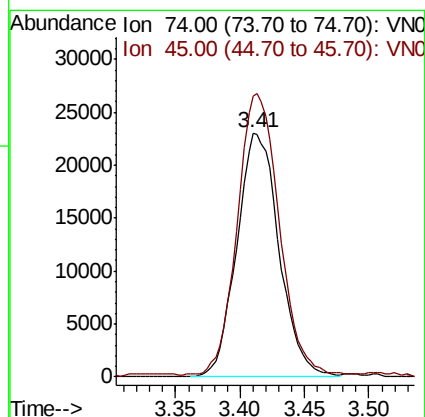
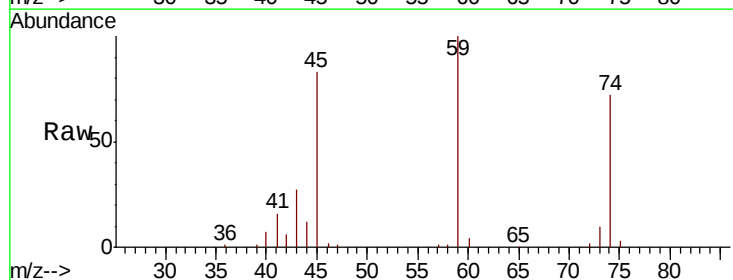
Tgt Ion:101 Resp: 145064
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.6 79.0

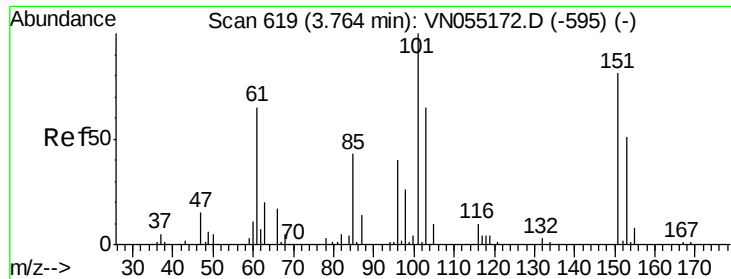


#8

Diethyl Ether
 Concen: 20.418 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 74 Resp: 52421
 Ion Ratio Lower Upper
 74 100
 45 114.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.655 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

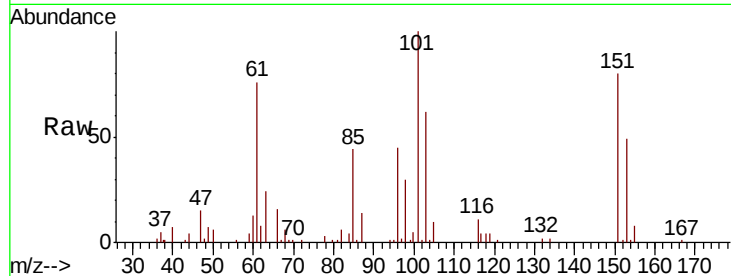
Tgt Ion:101 Resp: 85890

Ion Ratio Lower Upper

101 100

85 44.2 35.7 53.5

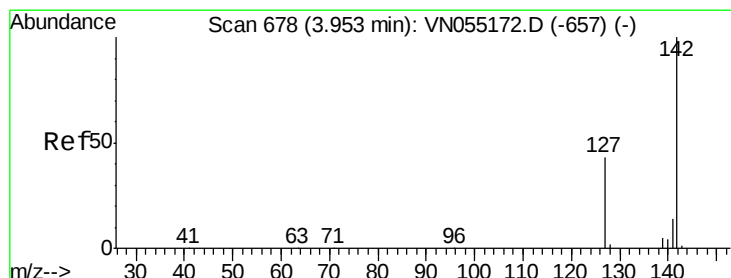
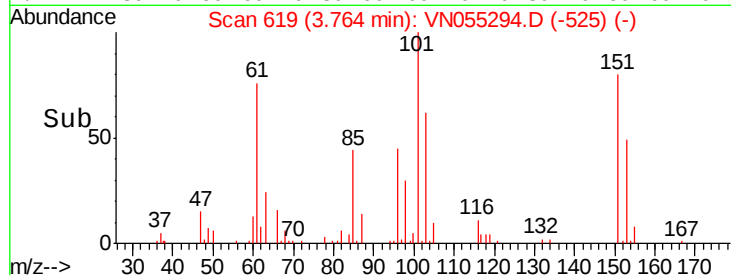
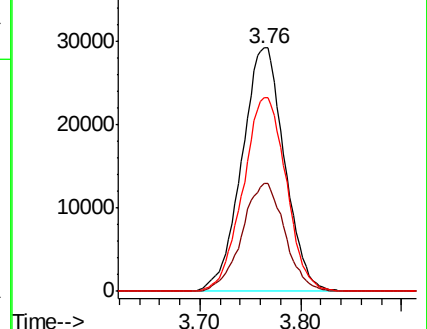
151 80.3 63.3 94.9



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: 20.213 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

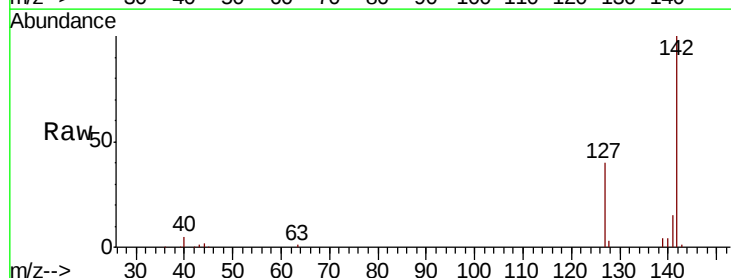
Tgt Ion:142 Resp: 124309

Ion Ratio Lower Upper

142 100

127 42.3 34.4 51.6

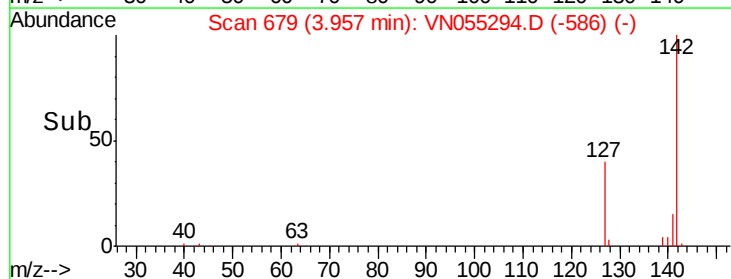
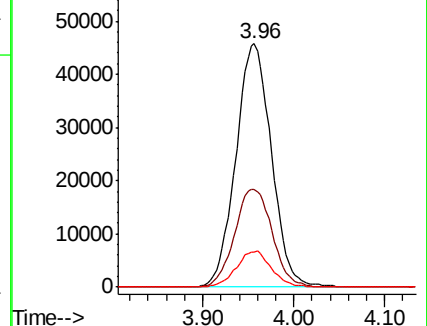
141 14.6 11.5 17.3

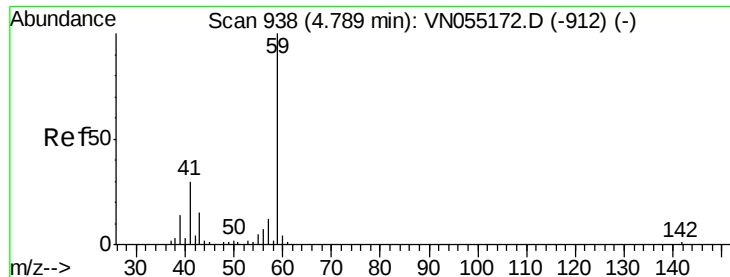


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

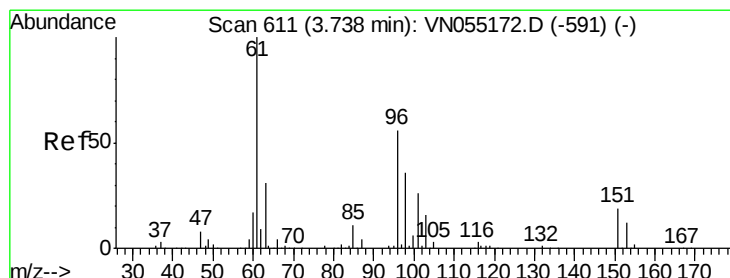
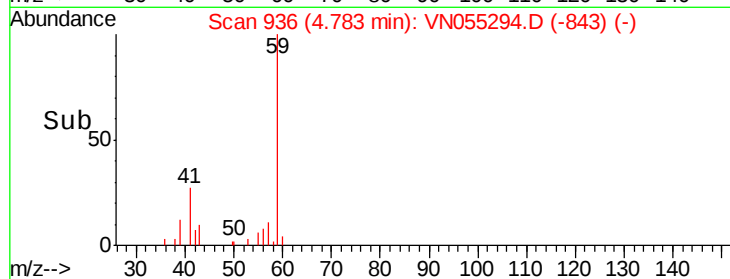
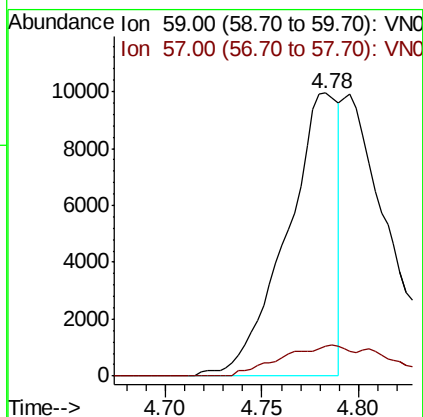
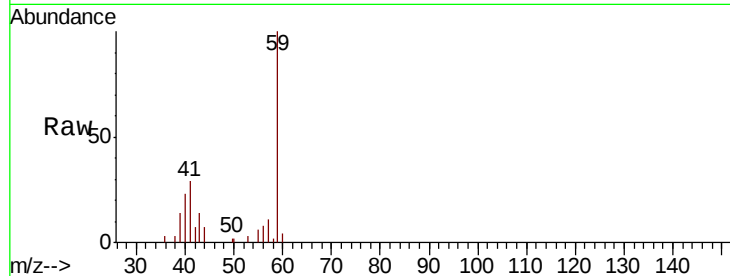




#11
Tert butyl alcohol
Concen: 58.195 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

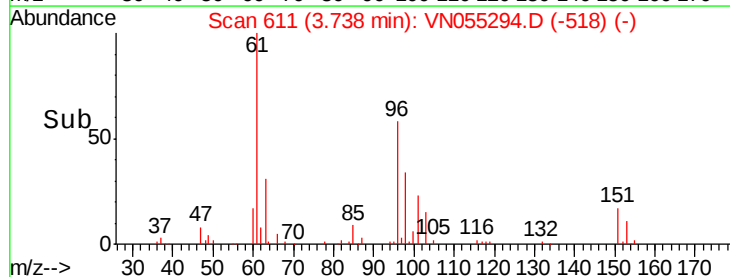
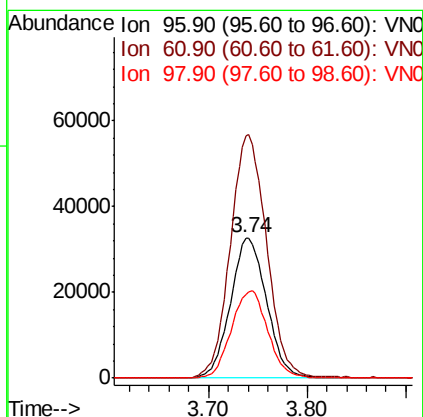
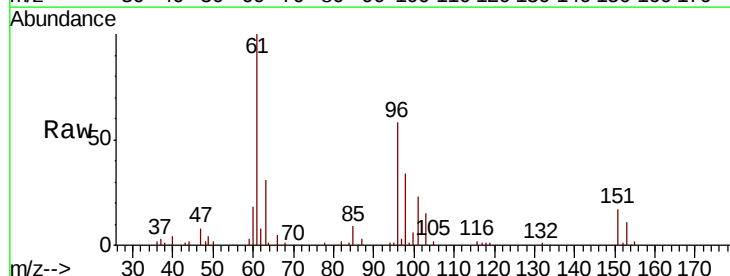
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

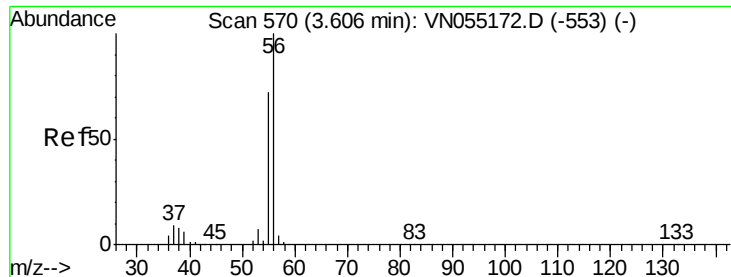
Tgt Ion: 59 Resp: 18394
Ion Ratio Lower Upper
59 100
57 14.9 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 20.000 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 96 Resp: 83374
Ion Ratio Lower Upper
96 100
61 172.7 140.9 211.3
98 59.5 50.0 75.0





#13

Acrolein

Concen: 110.256 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

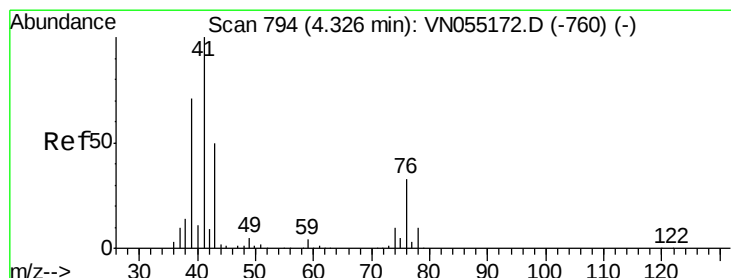
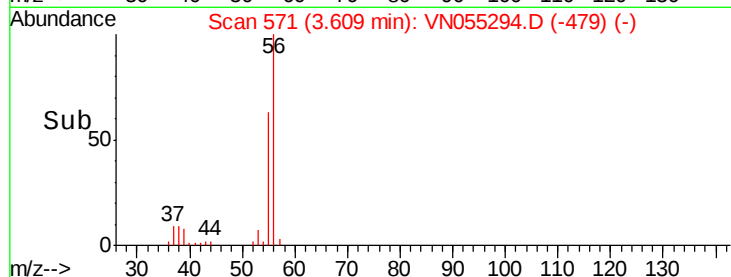
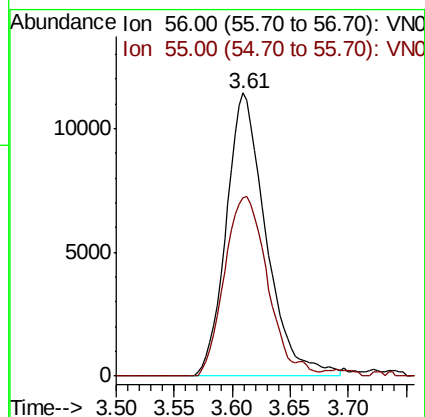
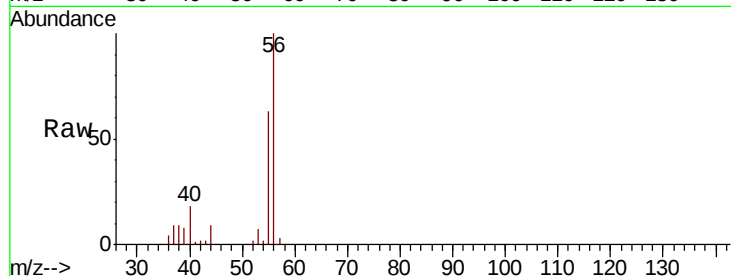
VN0429WBSD01

Tgt Ion: 56 Resp: 27216

Ion Ratio Lower Upper

56 100

55 68.8 57.4 86.2



#14

Allyl chloride

Concen: 19.420 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

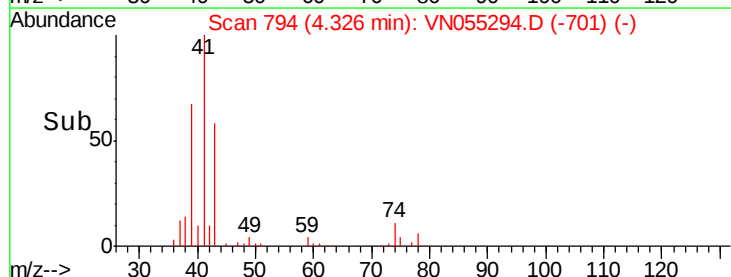
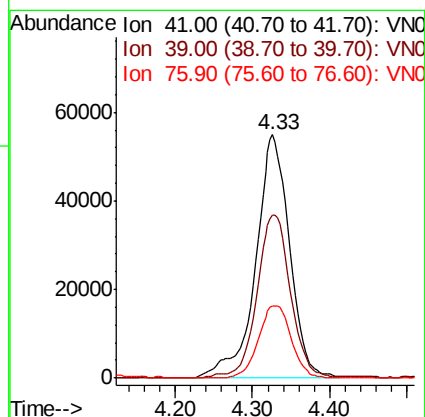
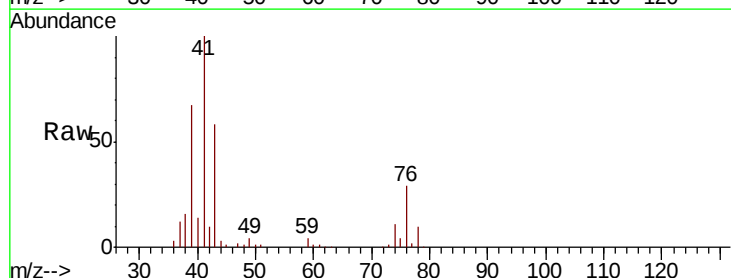
Tgt Ion: 41 Resp: 167670

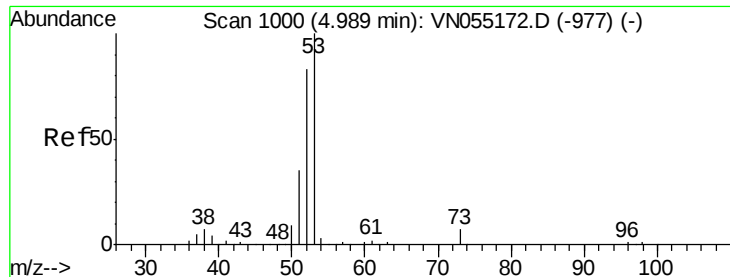
Ion Ratio Lower Upper

41 100

39 66.8 53.0 79.6

76 28.9 22.7 34.1





#15

Acrylonitrile

Concen: 104.629 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

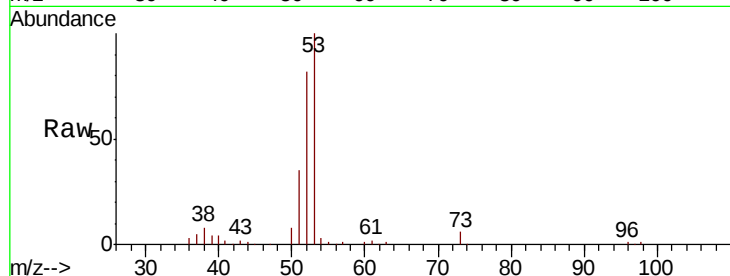
Tgt Ion: 53 Resp: 185886

Ion Ratio Lower Upper

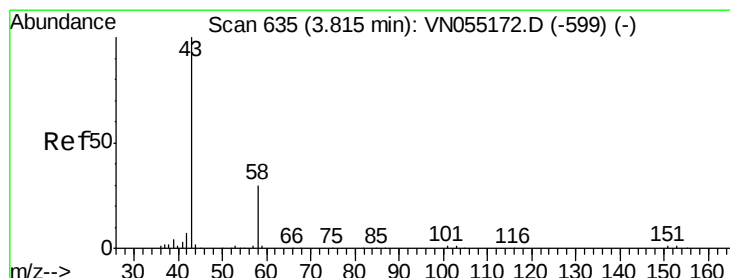
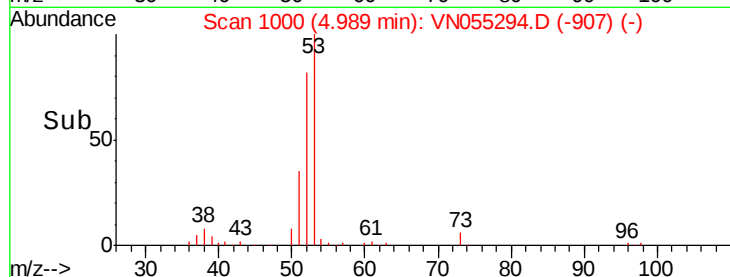
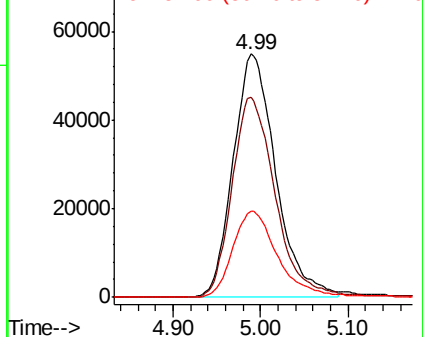
53 100

52 83.3 66.5 99.7

51 37.1 29.6 44.4



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



#16

Acetone

Concen: 89.565 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055294.D

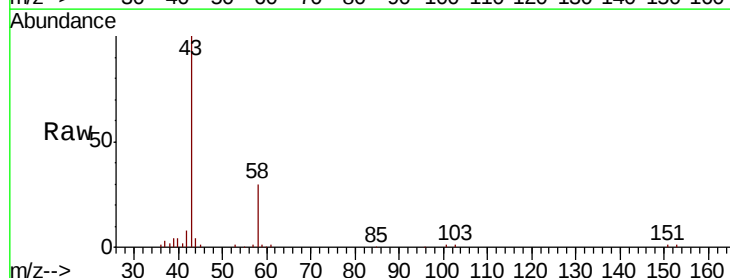
Acq: 29 Apr 2019 15:29

Tgt Ion: 43 Resp: 154068

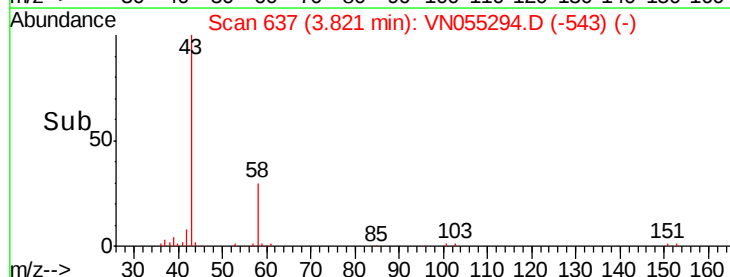
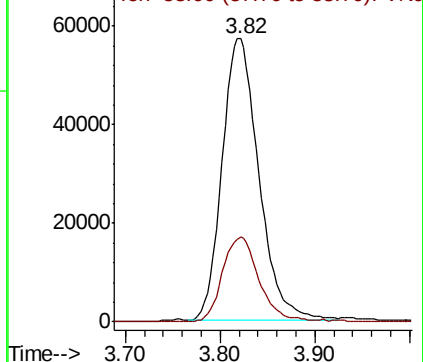
Ion Ratio Lower Upper

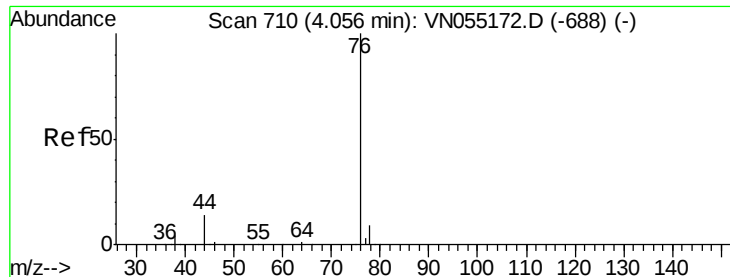
43 100

58 30.0 23.6 35.4



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

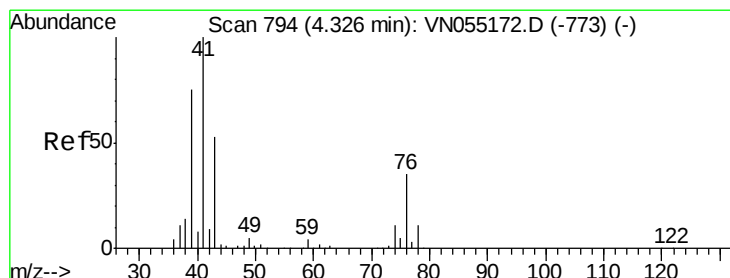
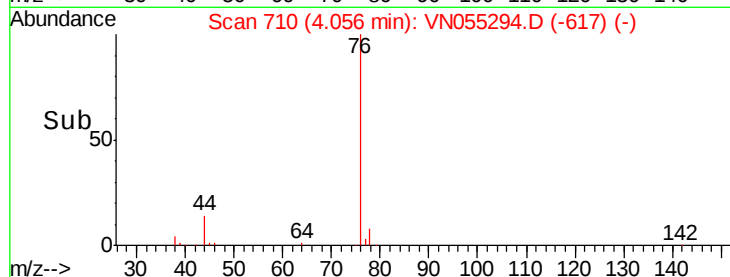
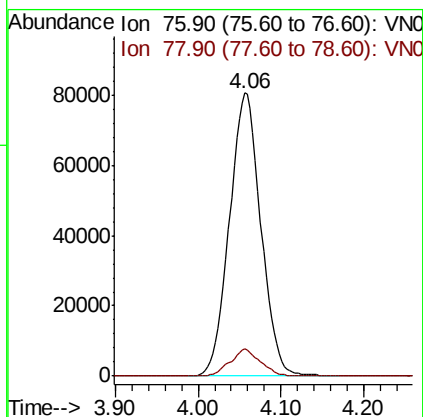
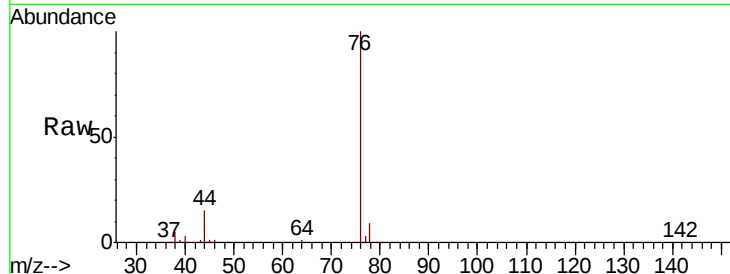




#17
Carbon Disulfide
Concen: 19.553 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

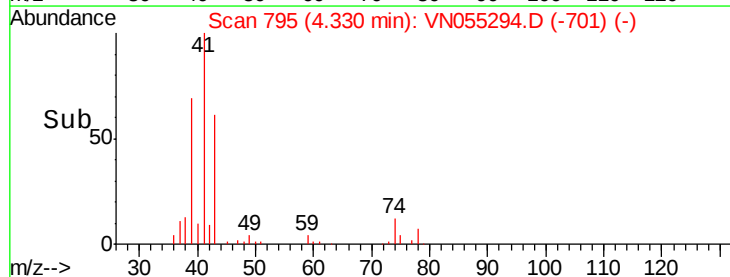
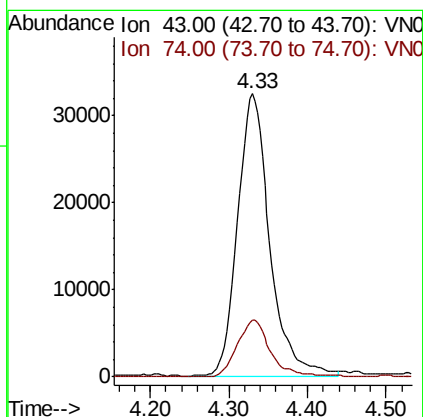
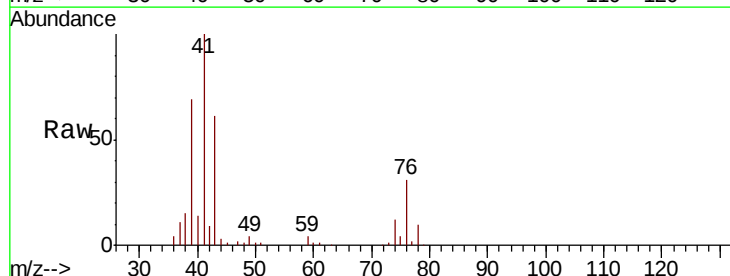
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

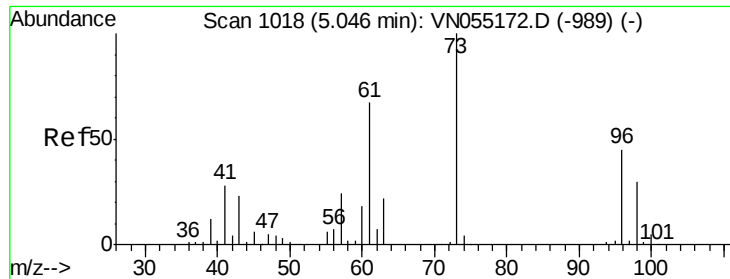
Tgt Ion: 76 Resp: 212721
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4



#18
Methyl Acetate
Concen: 21.848 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 43 Resp: 93995
Ion Ratio Lower Upper
43 100
74 20.4 15.8 23.8

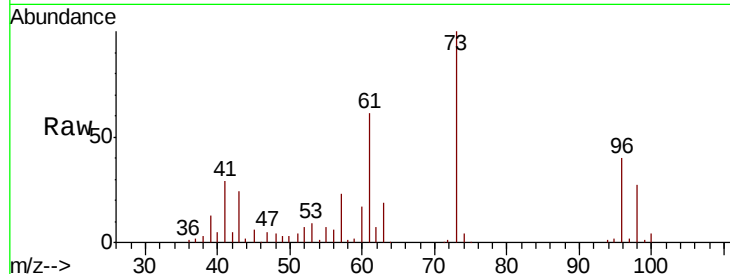




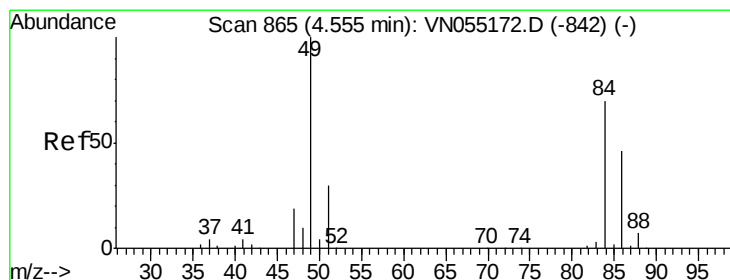
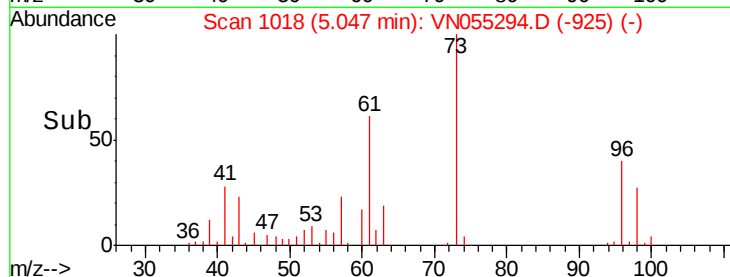
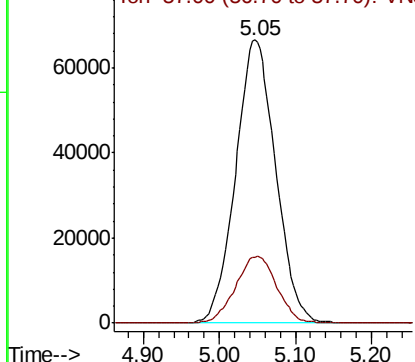
#19
Methyl tert-butyl Ether
Concen: 20.754 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tgt Ion: 73 Resp: 243217
Ion Ratio Lower Upper
73 100
57 23.2 19.1 28.7

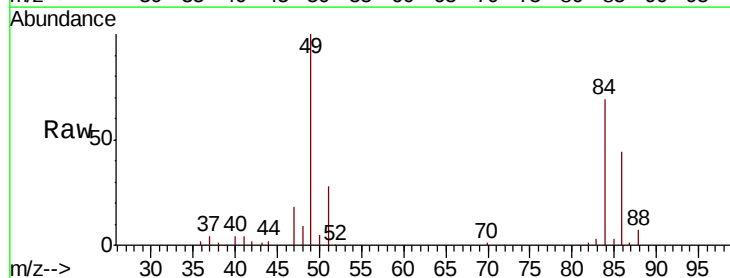


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

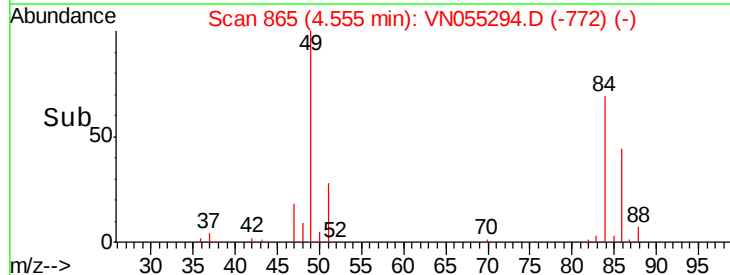
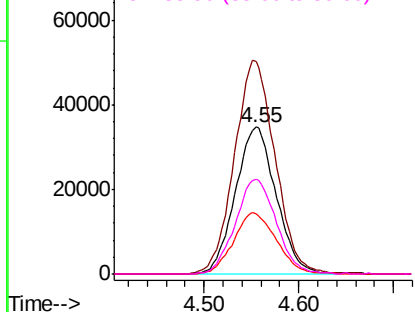


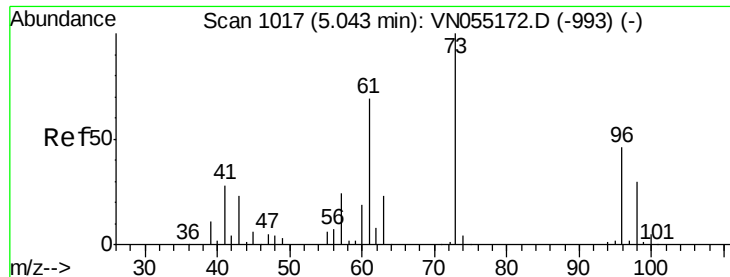
#20
Methylene Chloride
Concen: 19.796 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 84 Resp: 103938
Ion Ratio Lower Upper
84 100
49 144.0 112.4 168.6
51 41.1 34.6 51.8
86 64.1 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.675 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

VN0429WBSD01

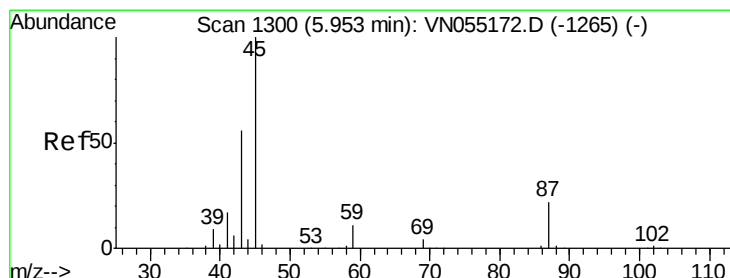
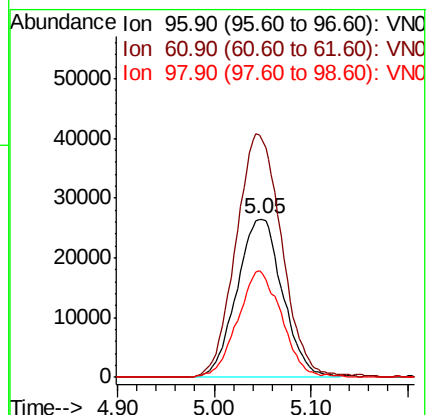
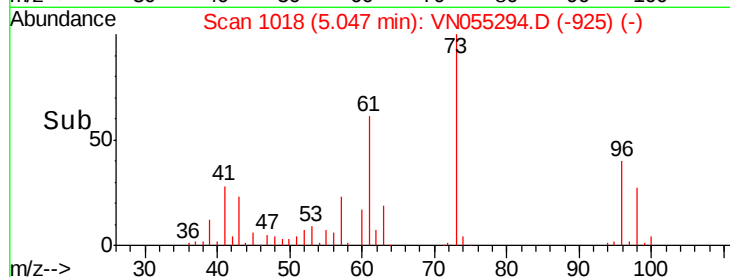
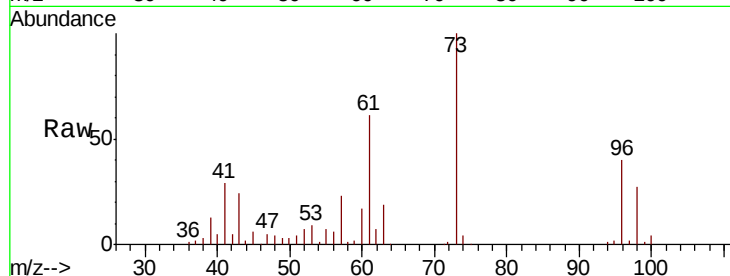
Tgt Ion: 96 Resp: 86864

Ion Ratio Lower Upper

96 100

61 152.9 126.2 189.4

98 67.6 52.2 78.2



#22

Diisopropyl ether

Concen: 20.628 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion: 45 Resp: 353853

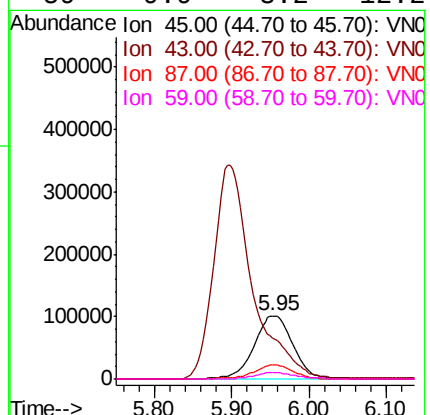
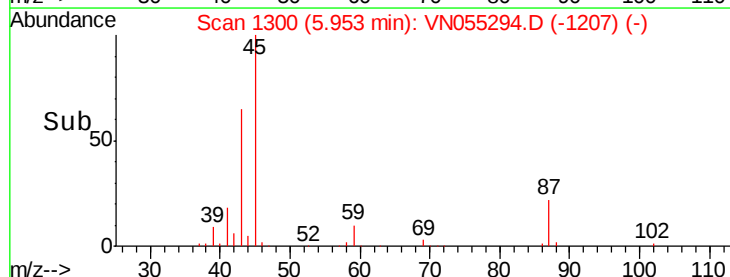
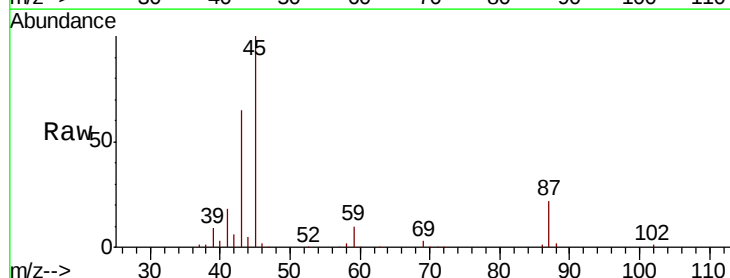
Ion Ratio Lower Upper

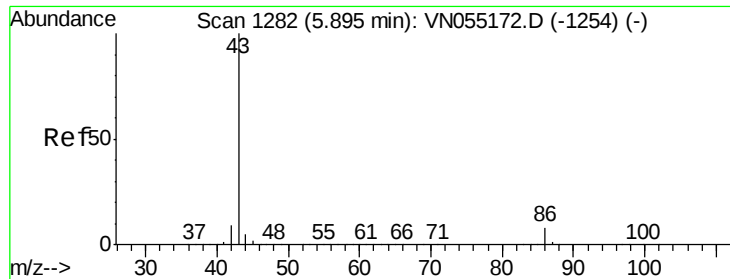
45 100

43 62.2 46.6 70.0

87 21.7 18.1 27.1

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 107.110 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

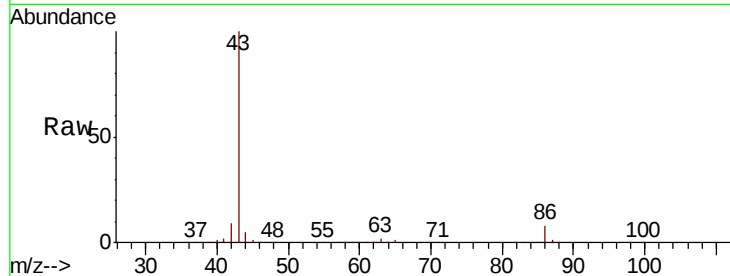
VN0429WBSD01

Tgt Ion: 43 Resp: 1204231

Ion Ratio Lower Upper

43 100

86 8.4 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

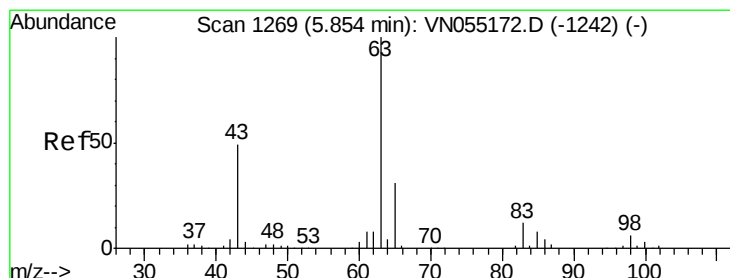
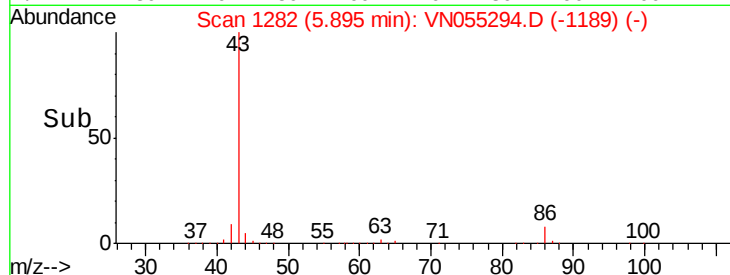
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.026 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

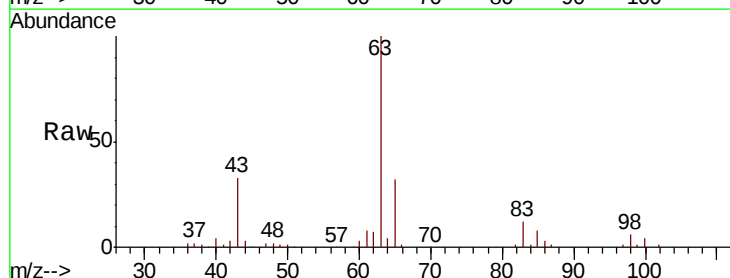
Tgt Ion: 63 Resp: 183036

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 4.4 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

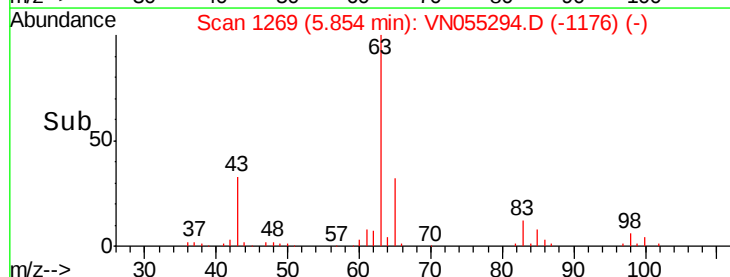
60000

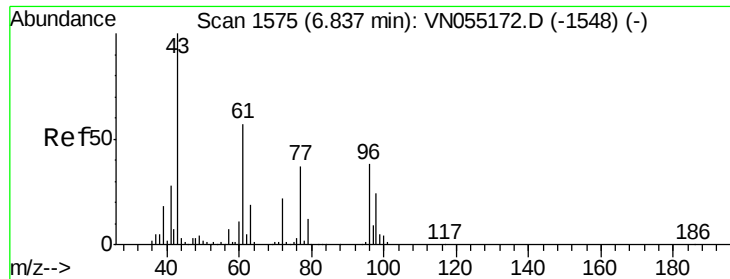
40000

20000

0

Time-->

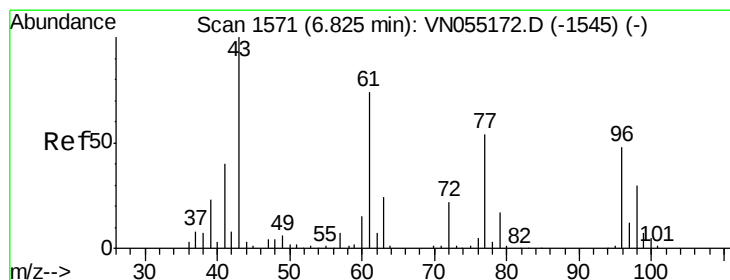
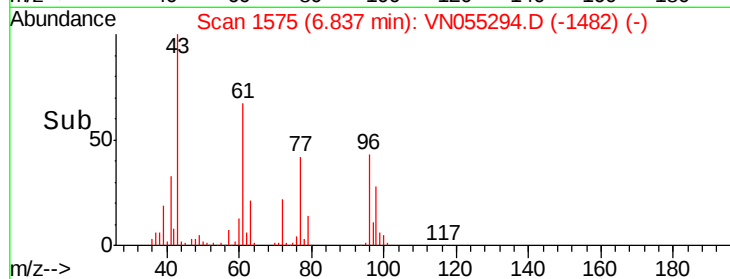
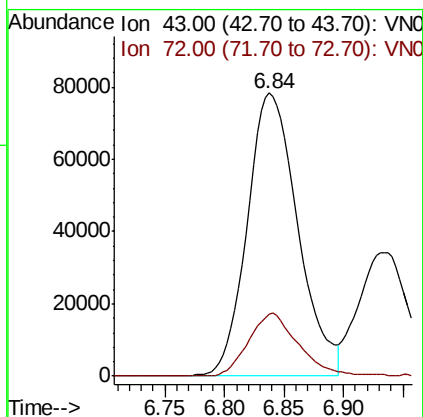
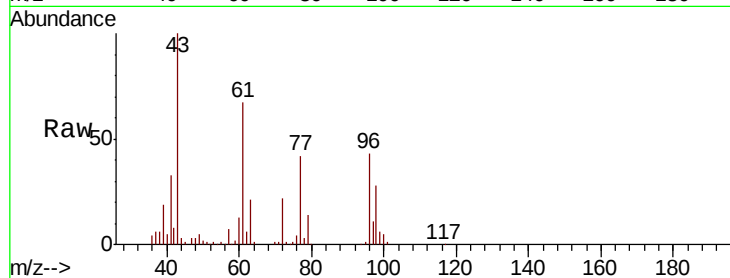




#25
2-Butanone
Concen: 103.910 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

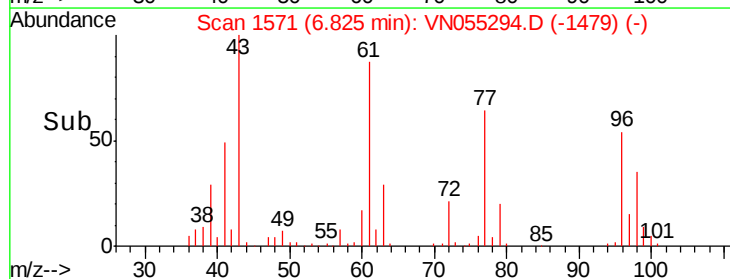
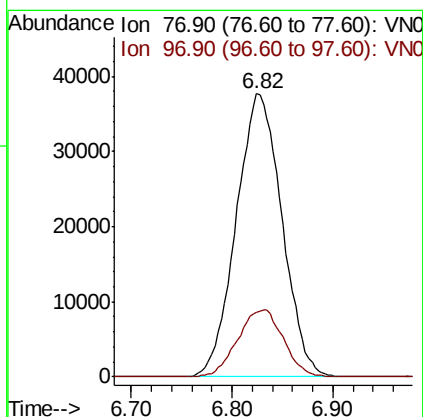
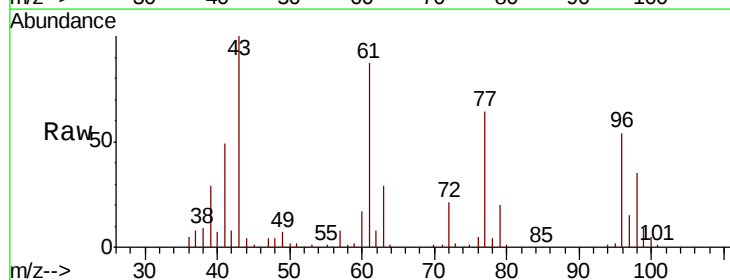
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

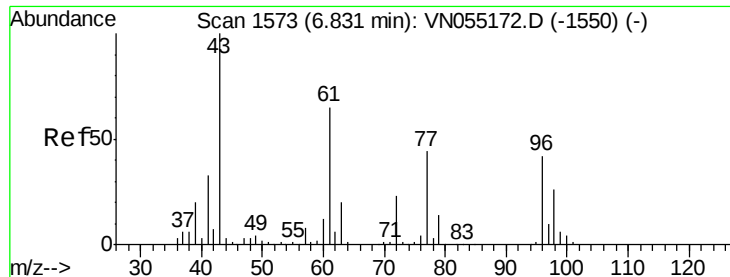
Tgt Ion: 43 Resp: 228591
Ion Ratio Lower Upper
43 100
72 21.9 18.0 27.0



#26
2,2-Dichloropropane
Concen: 18.773 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 77 Resp: 118486
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.343 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

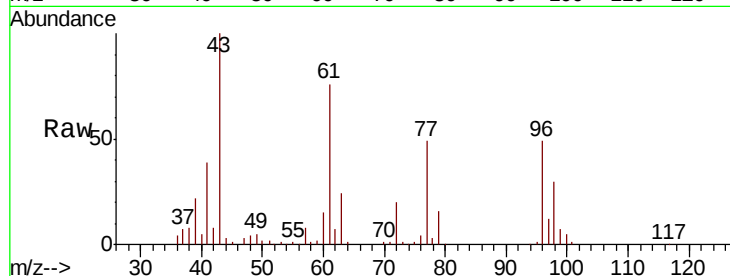
Tgt Ion: 96 Resp: 102134

Ion Ratio Lower Upper

96 100

61 159.1 0.0 316.2

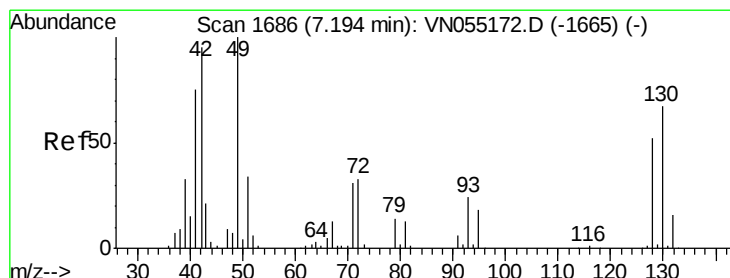
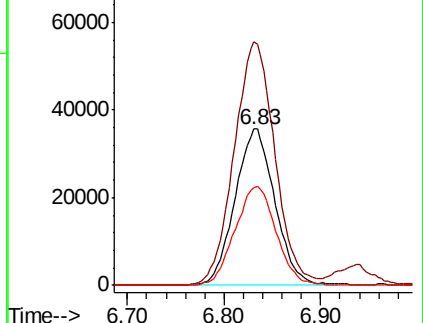
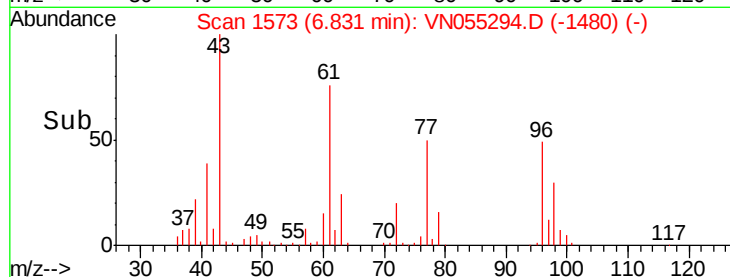
98 65.1 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.769 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

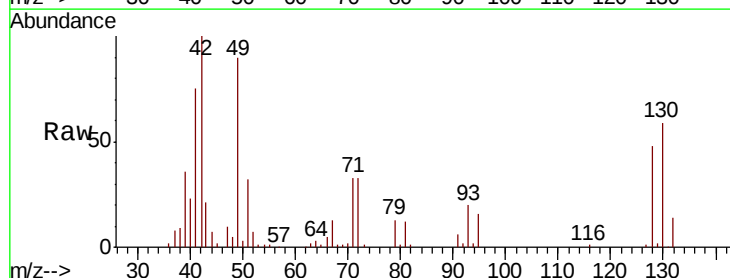
Tgt Ion: 49 Resp: 86473

Ion Ratio Lower Upper

49 100

129 0.8 0.0 2.4

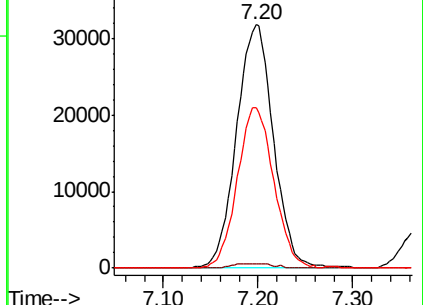
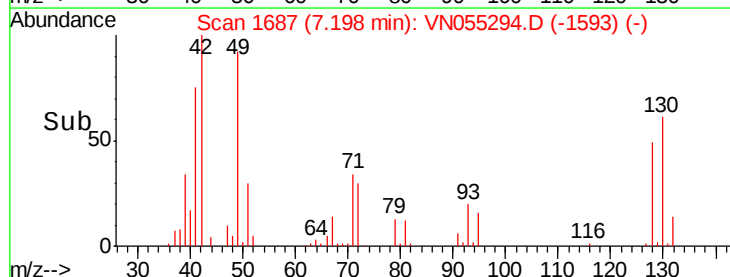
130 64.8 52.0 78.0

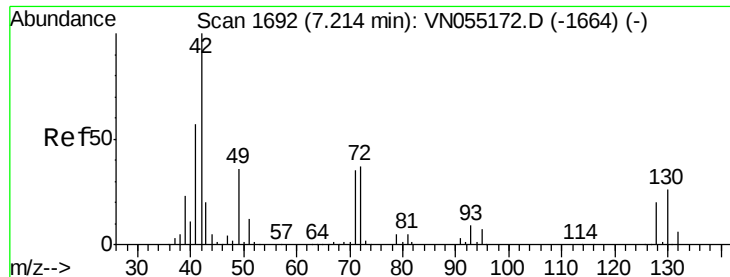


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.307 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

VN0429WBSD01

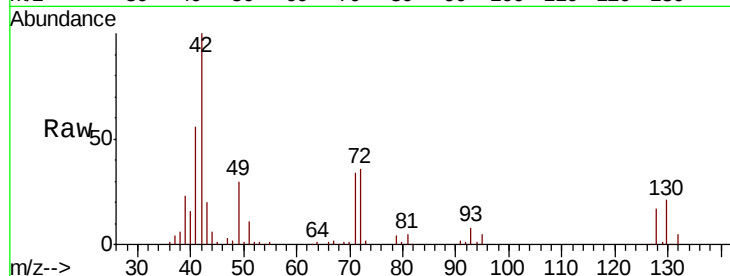
Tgt Ion: 42 Resp: 153975

Ion Ratio Lower Upper

42 100

72 36.9 29.0 43.6

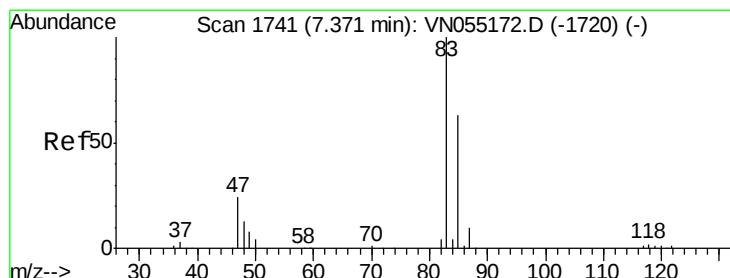
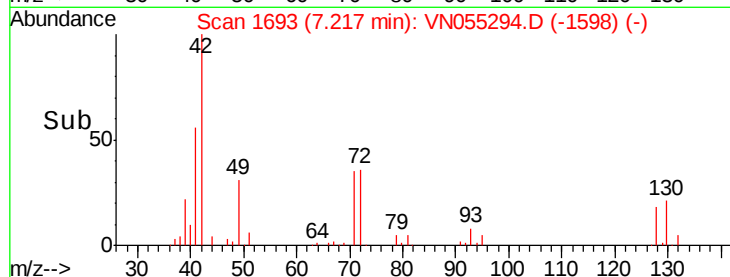
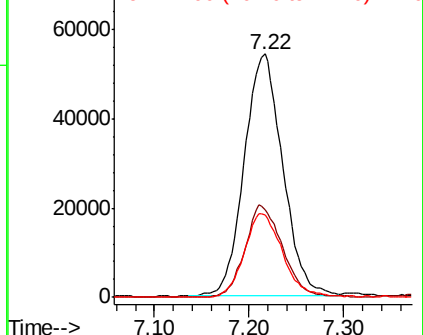
71 34.4 27.1 40.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.768 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055294.D

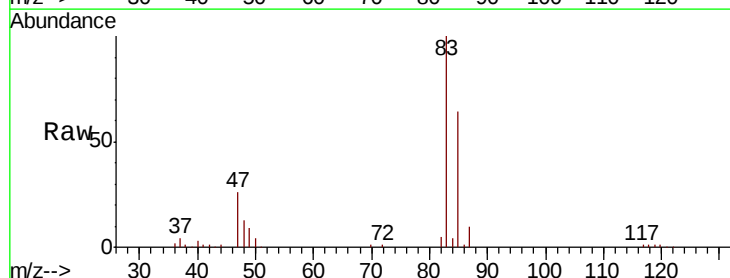
Acq: 29 Apr 2019 15:29

Tgt Ion: 83 Resp: 171275

Ion Ratio Lower Upper

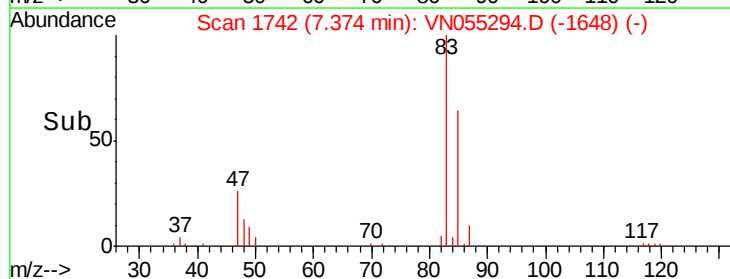
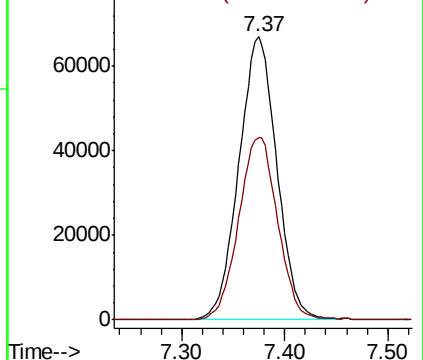
83 100

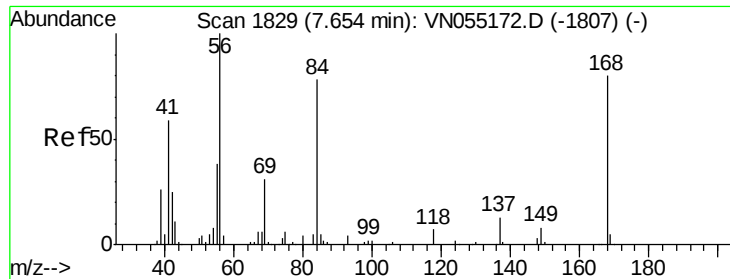
85 64.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

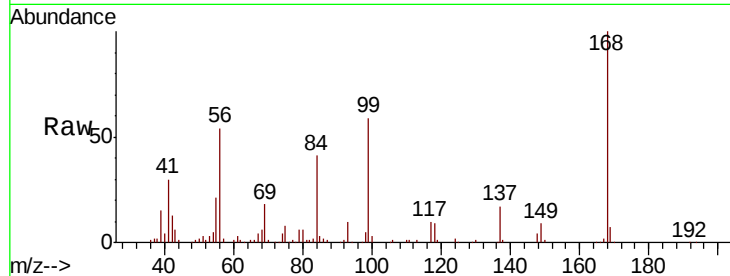




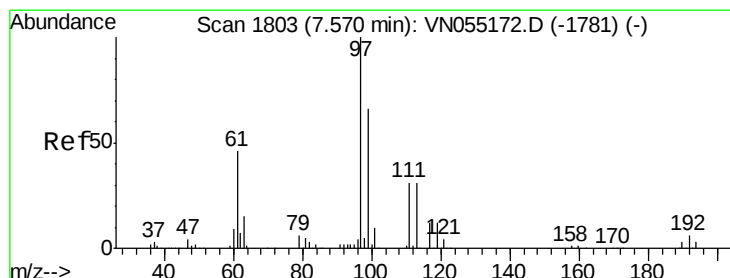
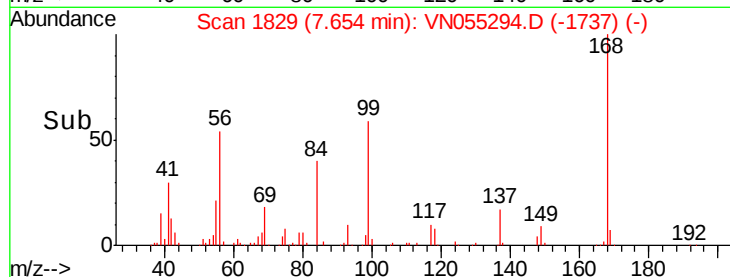
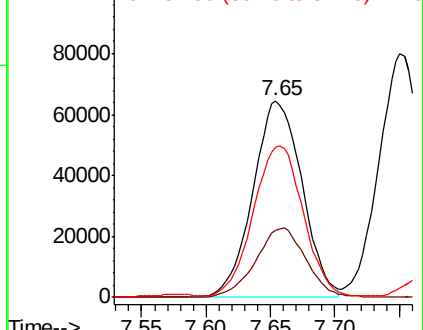
#31
Cyclohexane
Concen: 19.723 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tgt Ion: 56 Resp: 171273
Ion Ratio Lower Upper
56 100
69 34.0 25.2 37.8
84 75.4 61.1 91.7

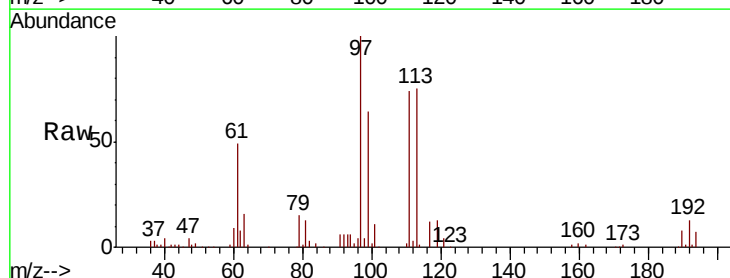


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

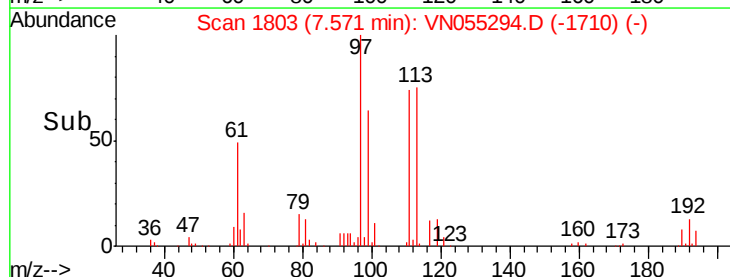
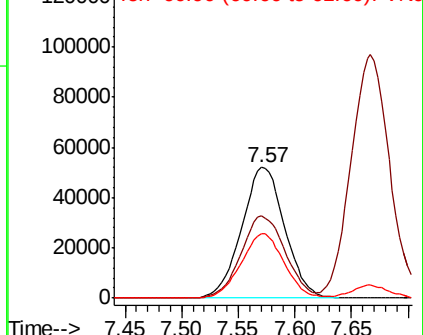


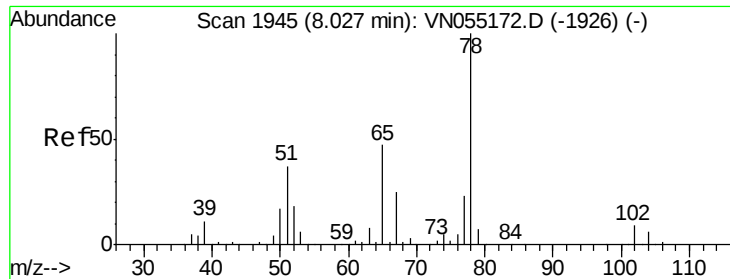
#32
1,1,1-Trichloroethane
Concen: 19.592 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 97 Resp: 137768
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 49.0 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 49.725 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

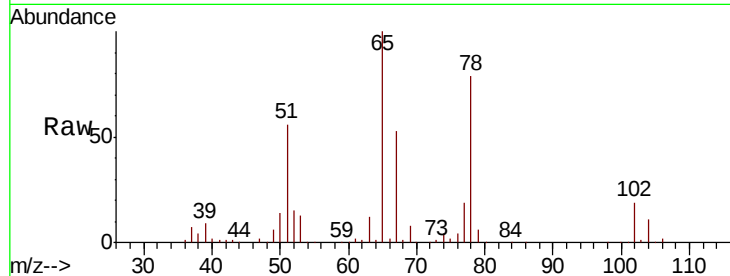
VN0429WBSD01

Tgt Ion: 65 Resp: 274519

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

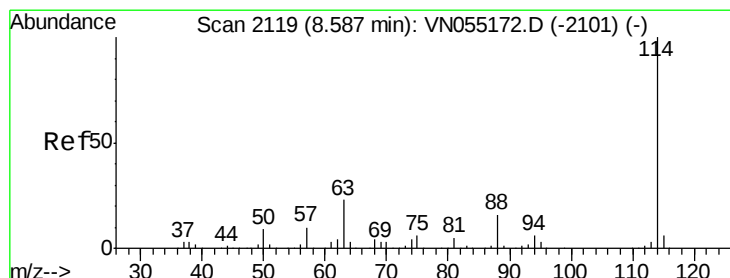
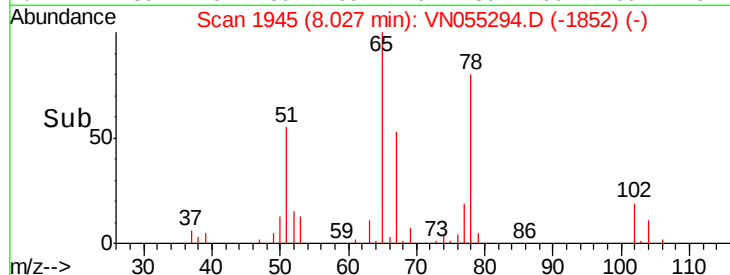
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

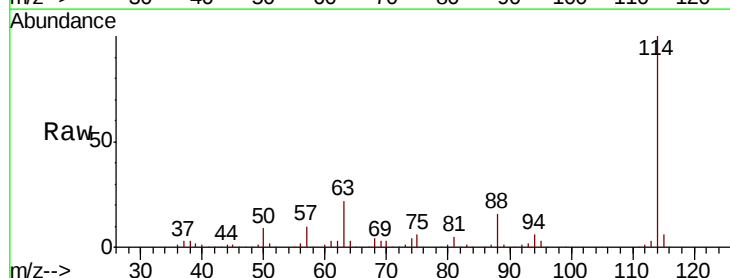
Tgt Ion: 114 Resp: 680725

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

300000

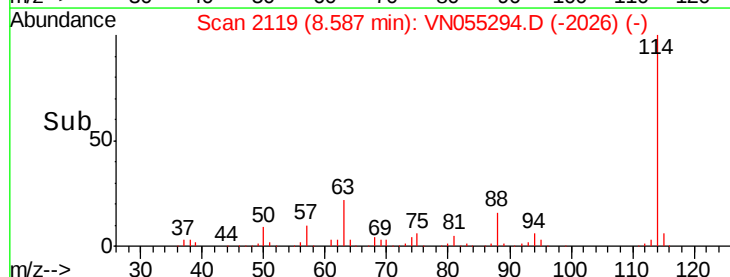
200000

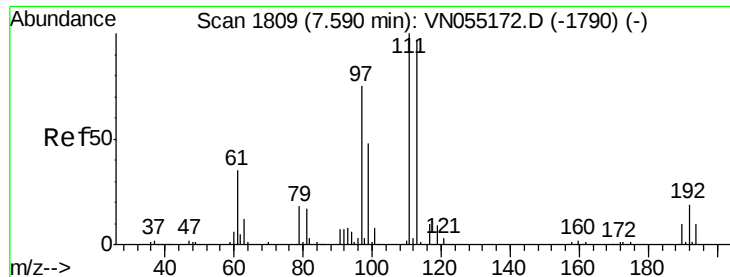
100000

0

Time-->

8.50 8.60 8.70

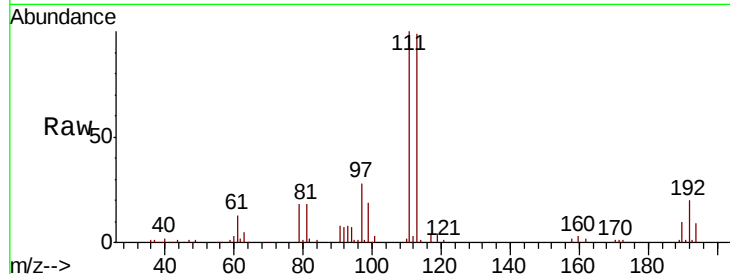




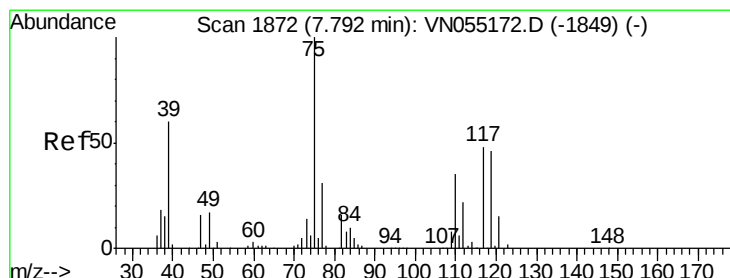
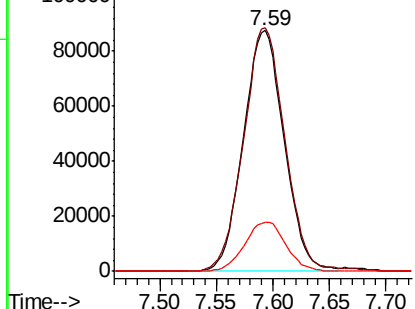
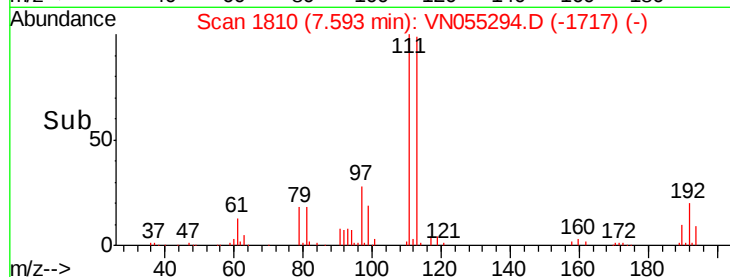
#35
 Dibromofluoromethane
 Concen: 49.208 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	20.5	17.0	25.6

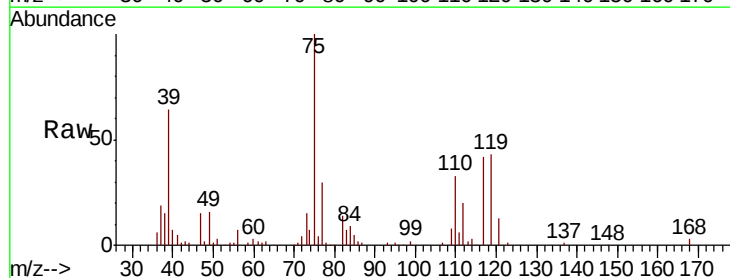


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

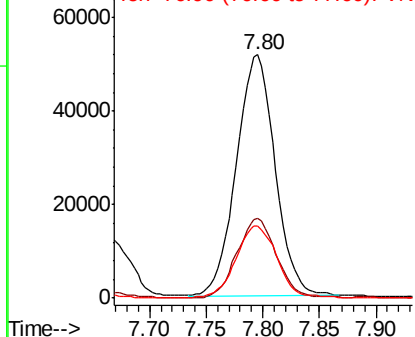
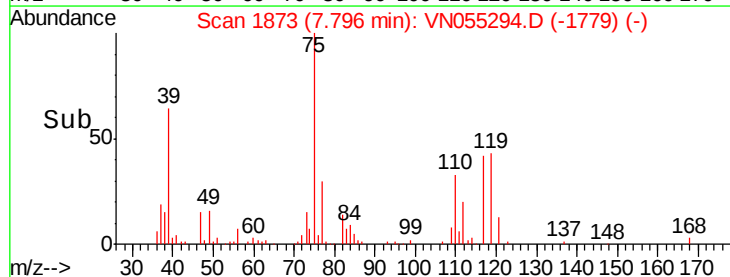


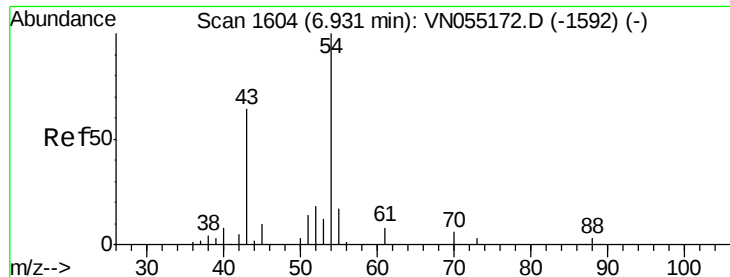
#36
 1,1-Dichloropropene
 Concen: 18.989 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.4
77	31.8	25.0	37.6



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

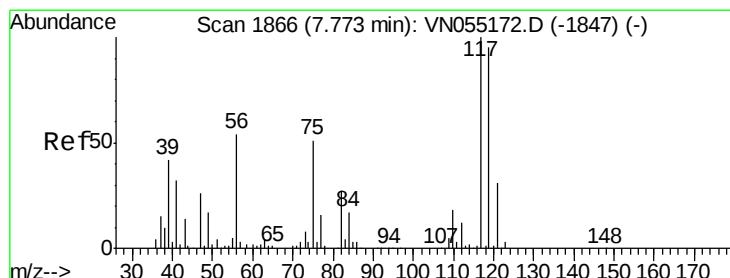
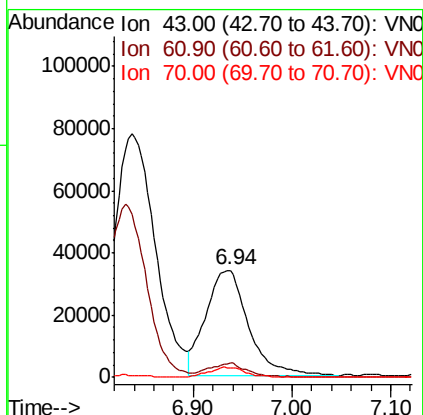
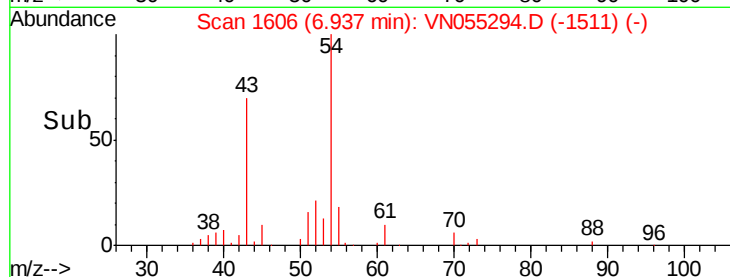
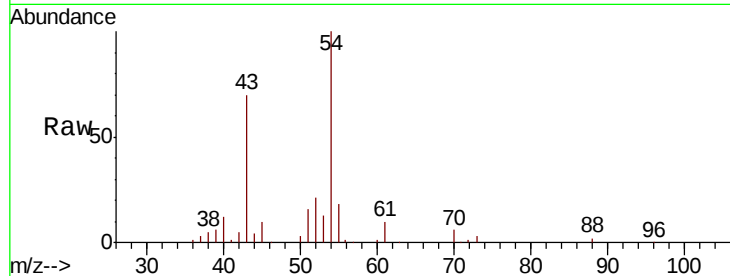




#37
Ethyl Acetate
Concen: 20.570 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

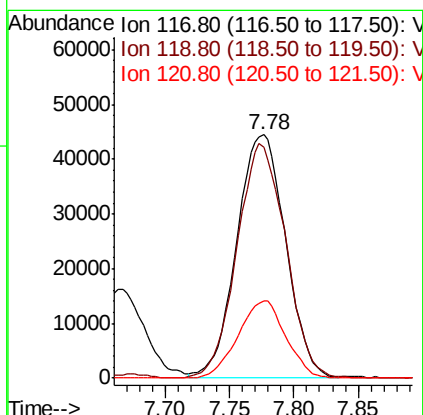
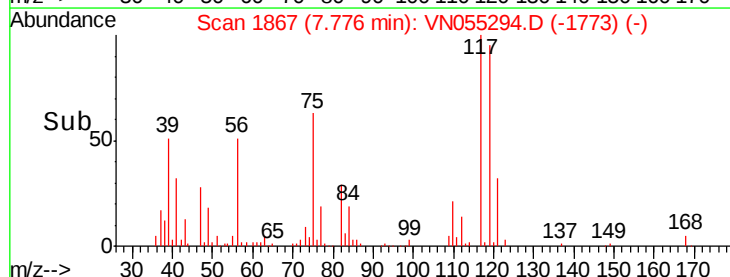
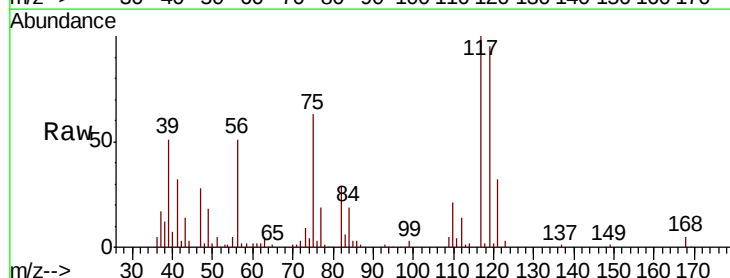
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

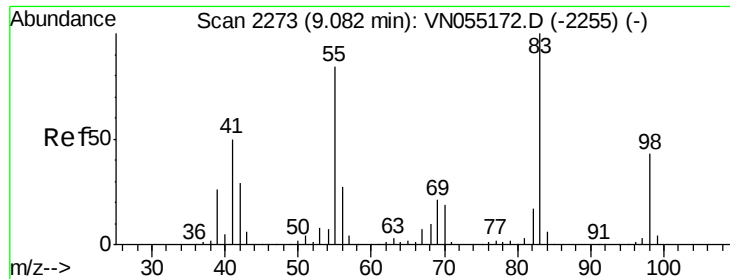
Tgt Ion: 43 Resp: 102795
Ion Ratio Lower Upper
43 100
61 11.2 10.4 15.6
70 7.8 6.6 10.0



#38
Carbon Tetrachloride
Concen: 18.562 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 117 Resp: 116752
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 31.8 23.8 35.8

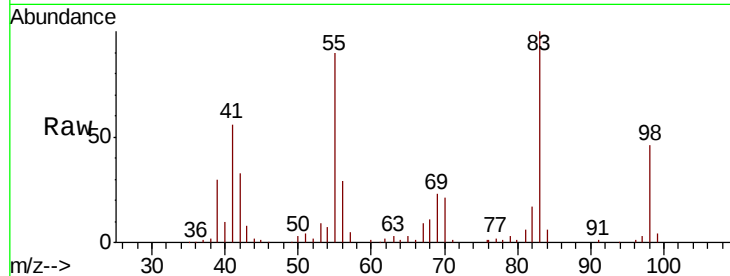




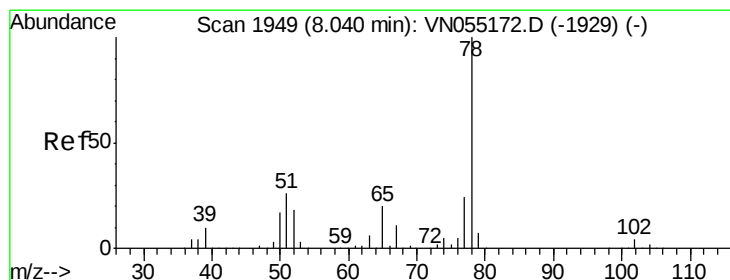
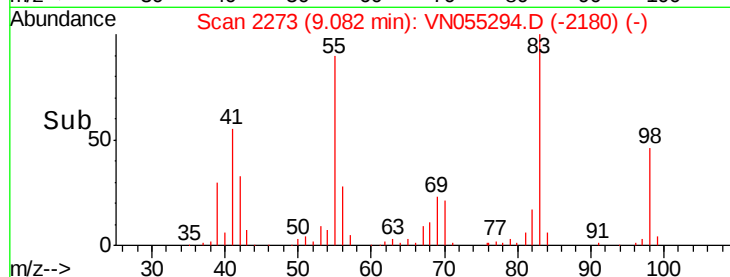
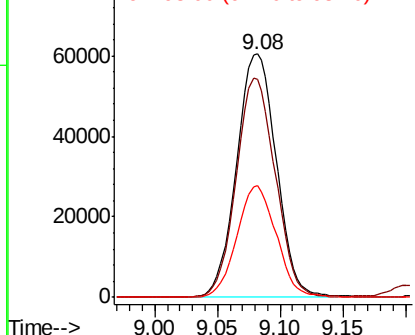
#39
Methylcyclohexane
Concen: 19.224 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tgt Ion: 83 Resp: 133271
Ion Ratio Lower Upper
83 100
55 89.5 67.8 101.6
98 45.8 36.2 54.4

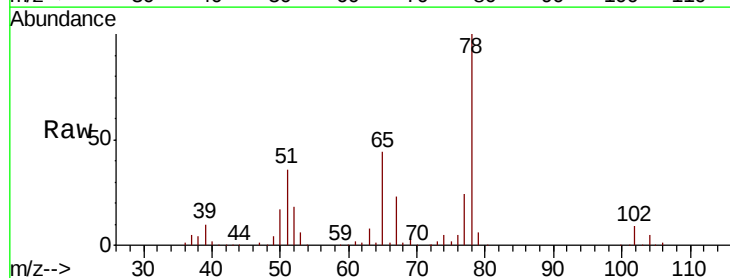


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

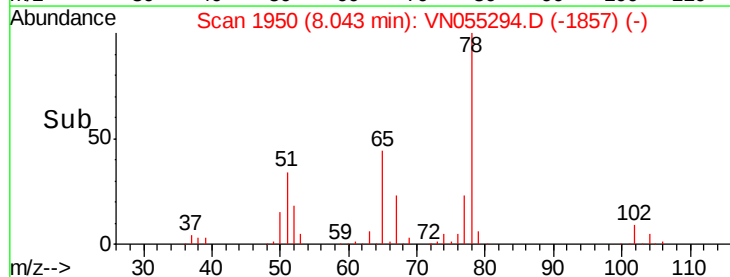
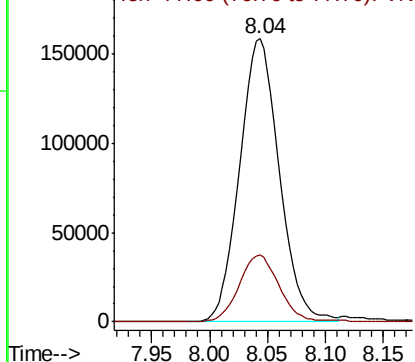


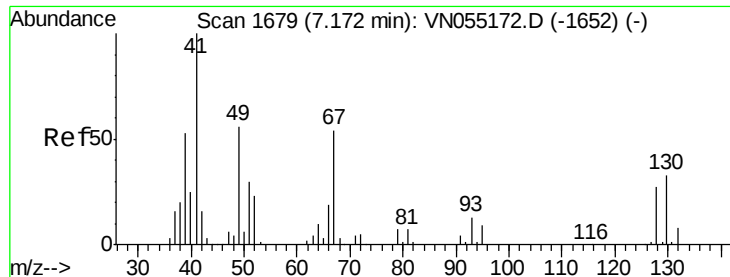
#40
Benzene
Concen: 19.666 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 78 Resp: 378015
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

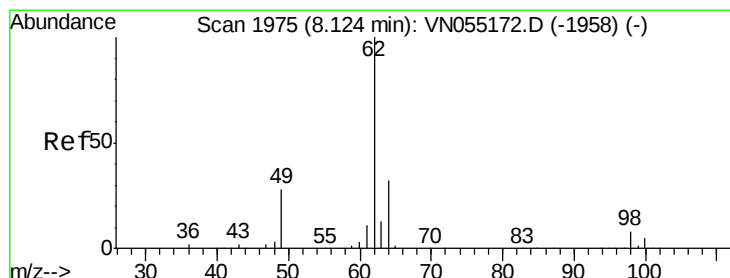
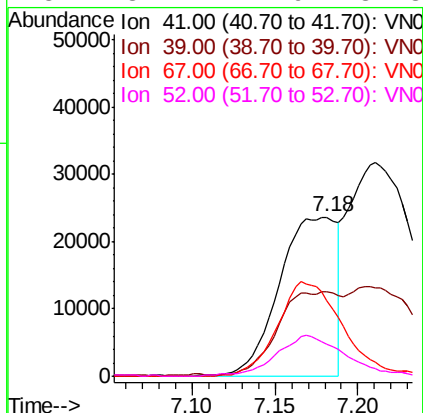
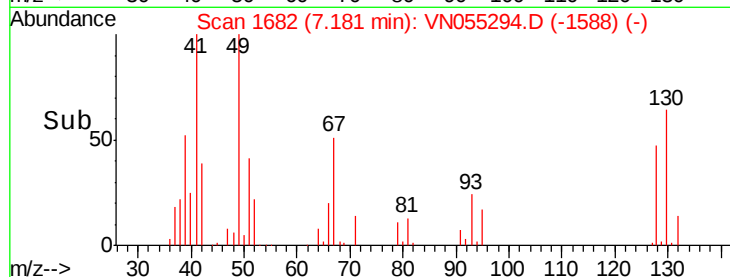
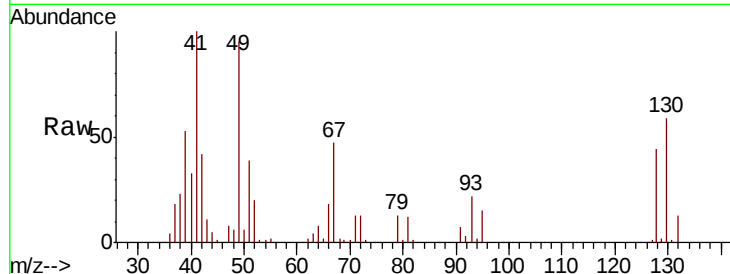




#41
Methacrylonitrile
Concen: 21.618 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

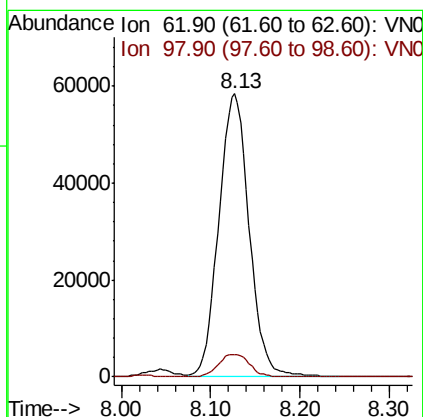
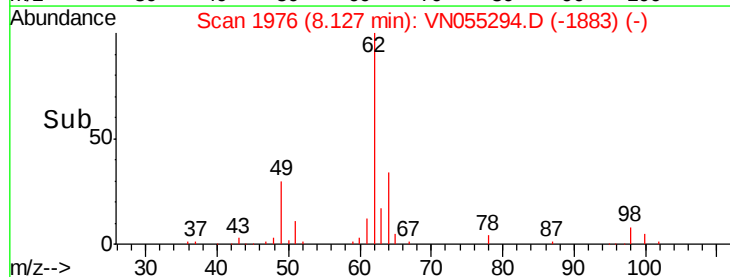
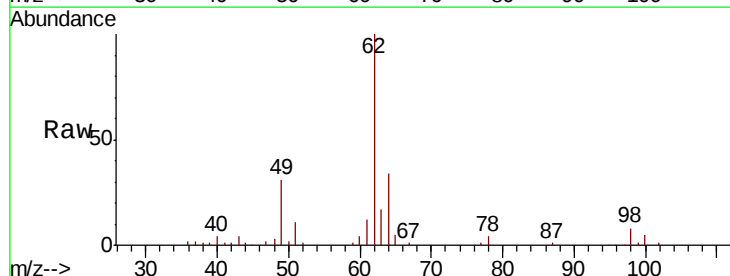
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

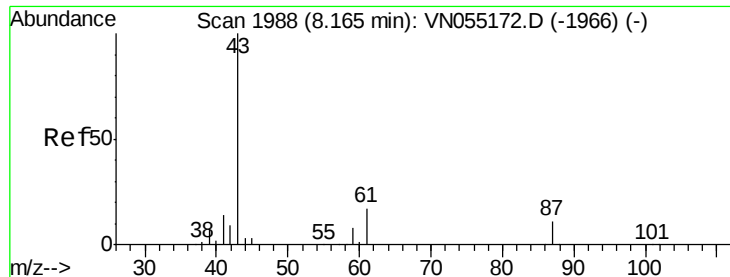
Tgt Ion: 41 Resp: 57316
Ion Ratio Lower Upper
41 100
39 31.8 48.5 72.7#
67 68.1 54.9 82.3
52 31.2 24.9 37.3



#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 62 Resp: 136880
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.906 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

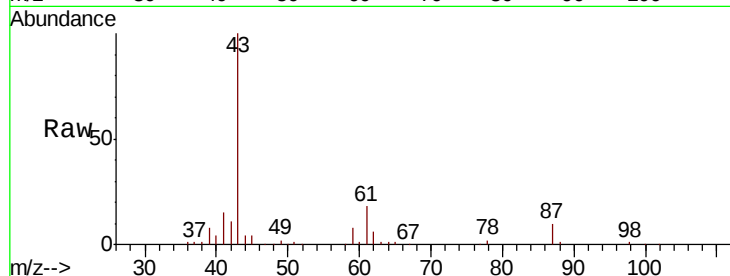
Tgt Ion: 43 Resp: 175923

Ion Ratio Lower Upper

43 100

61 17.6 20.8 31.2#

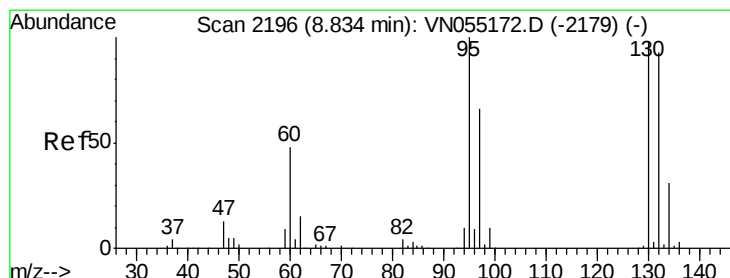
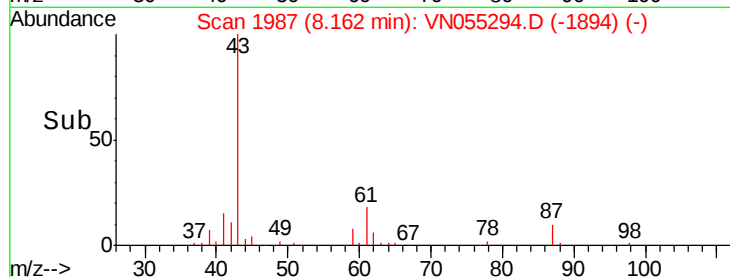
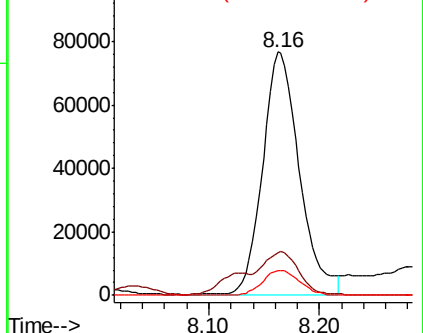
87 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)



#44

Trichloroethene

Concen: 19.221 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055294.D

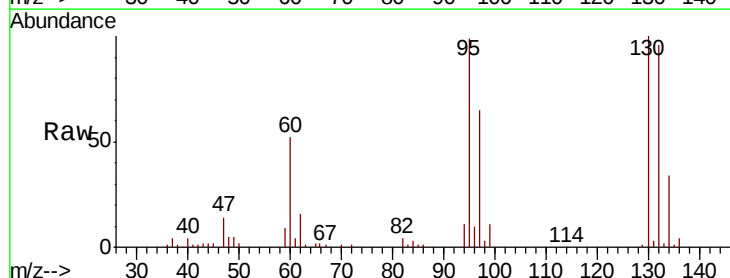
Acq: 29 Apr 2019 15:29

Tgt Ion: 130 Resp: 94183

Ion Ratio Lower Upper

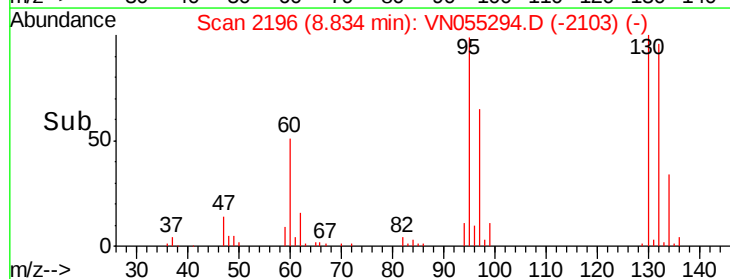
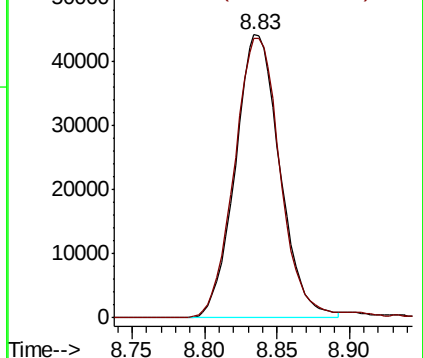
130 100

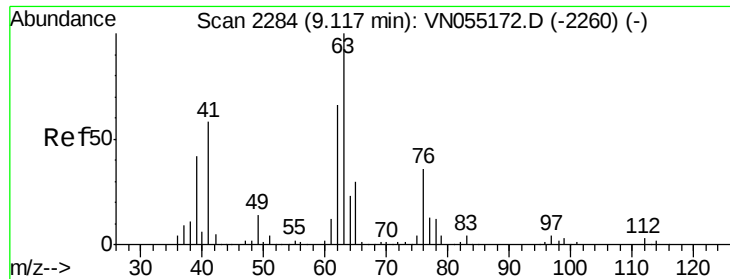
95 98.6 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)

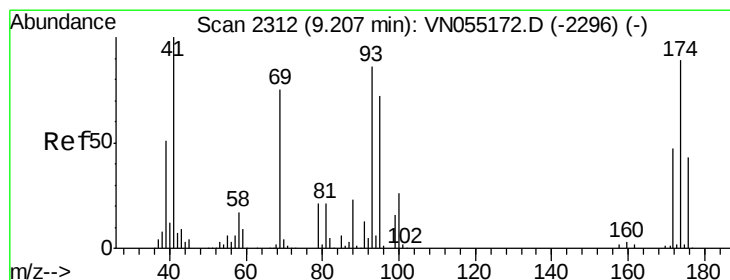
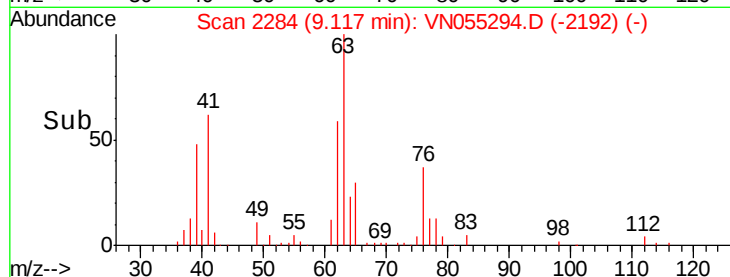
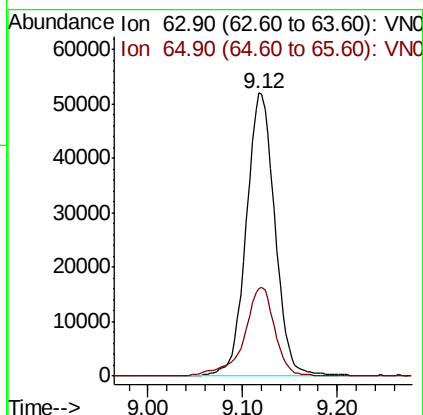
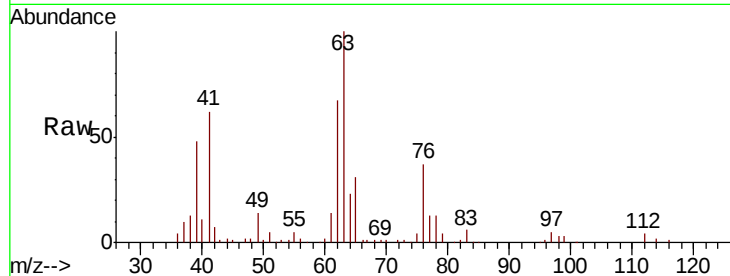




#45
 1,2-Dichloropropane
 Concen: 19.768 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

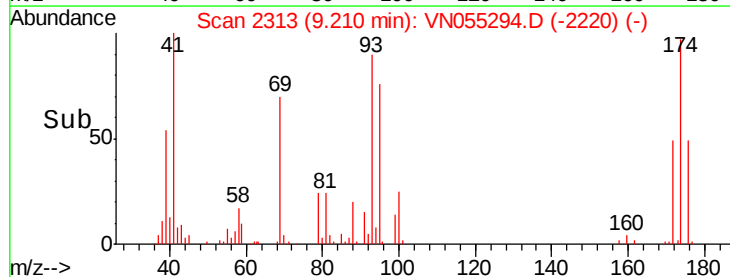
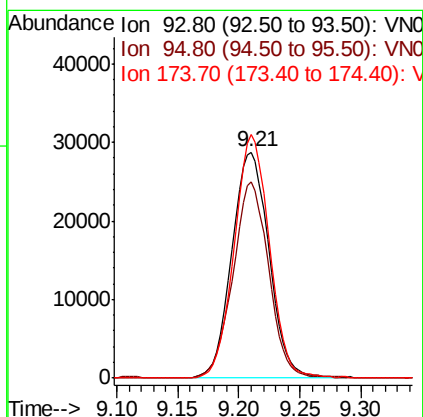
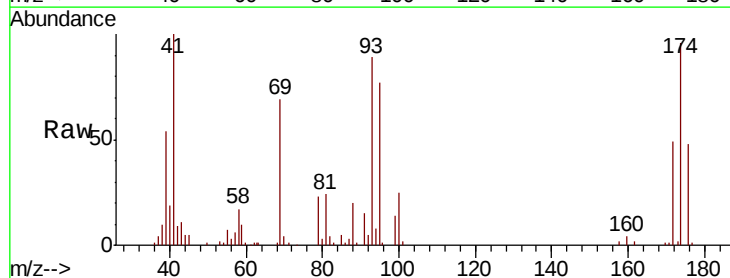
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

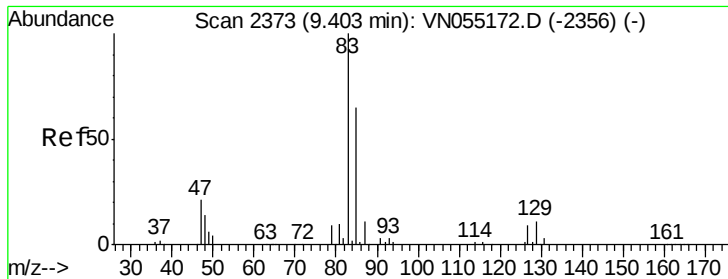
Tgt Ion: 63 Resp: 109591
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9



#46
 Dibromomethane
 Concen: 20.035 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 93 Resp: 60712
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 101.7 81.5 122.3





#47

Bromodichloromethane

Concen: 19.685 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

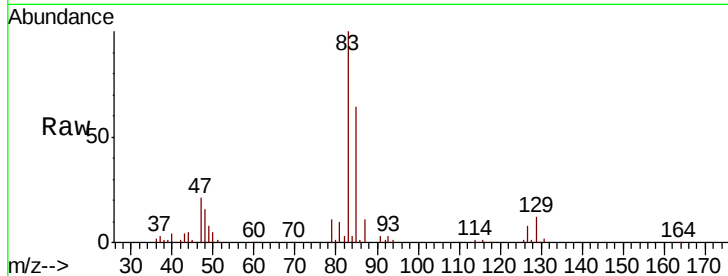
Tgt Ion: 83 Resp: 127968

Ion Ratio Lower Upper

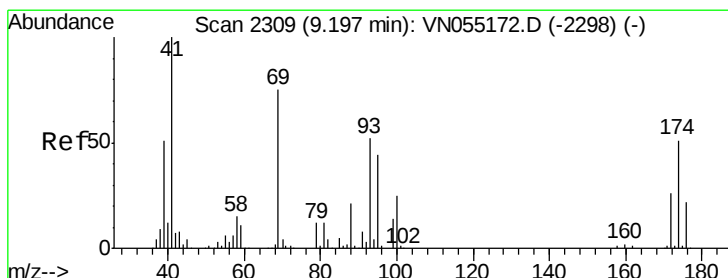
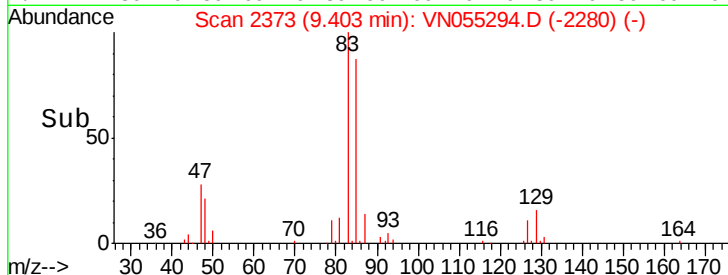
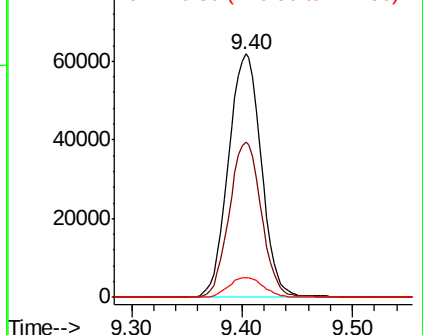
83 100

85 63.7 50.1 75.1

127 8.1 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.364 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

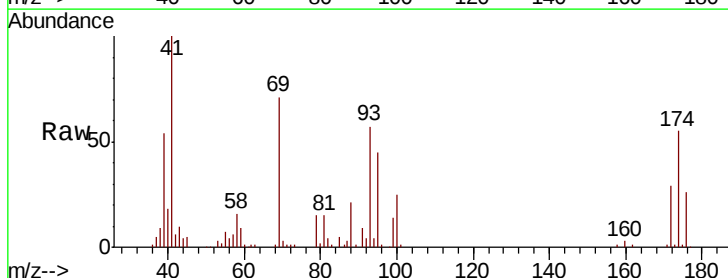
Tgt Ion: 41 Resp: 84344

Ion Ratio Lower Upper

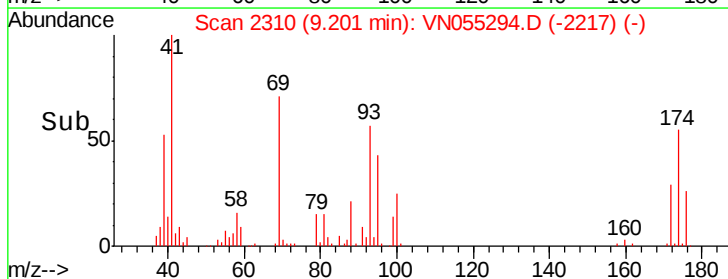
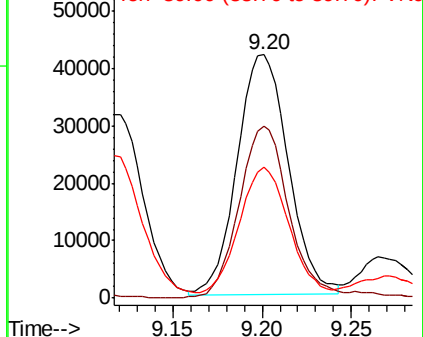
41 100

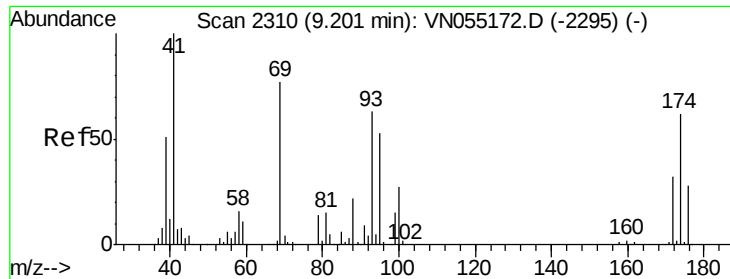
69 69.3 58.6 87.8

39 53.1 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 460.284 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

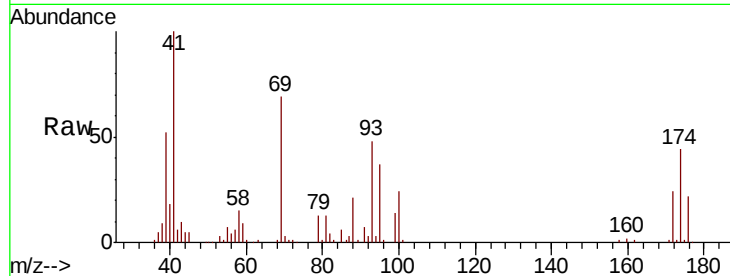
Tgt Ion: 88 Resp: 18785

Ion Ratio Lower Upper

88 100

43 40.2 33.3 49.9

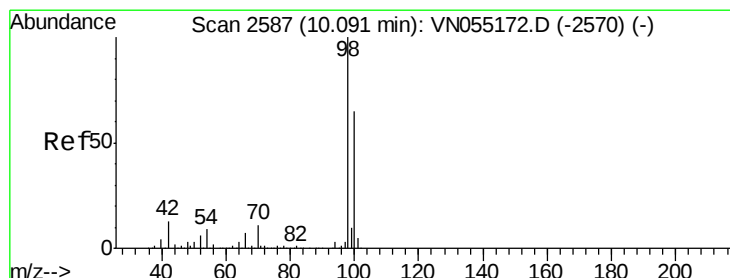
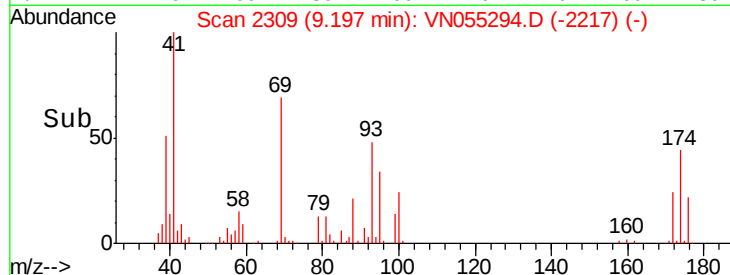
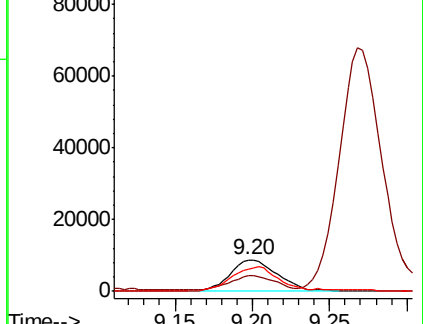
58 75.4 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055172.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055172.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2295) (-)



#50

Toluene-d8

Concen: 49.442 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055294.D

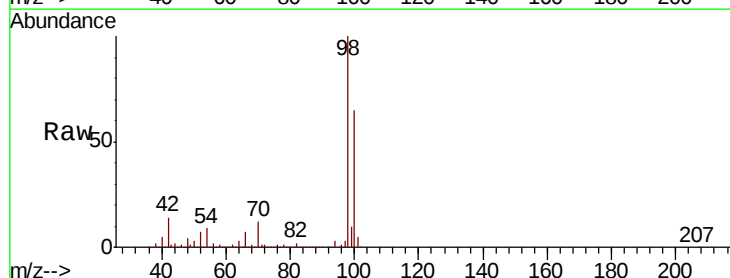
Acq: 29 Apr 2019 15:29

Tgt Ion: 98 Resp: 797672

Ion Ratio Lower Upper

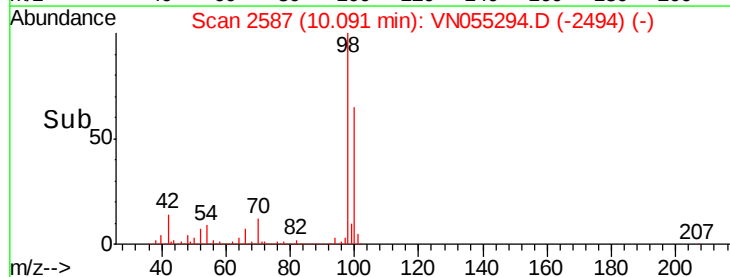
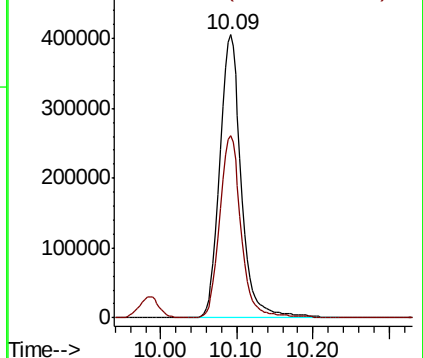
98 100

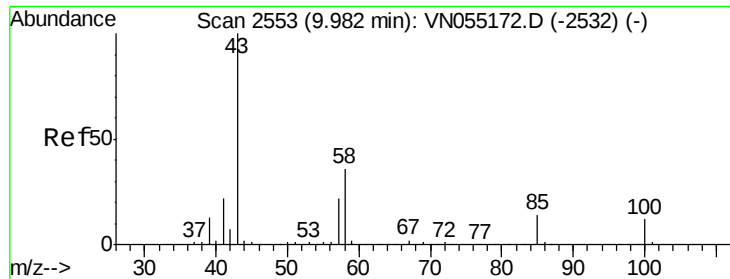
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 107.776 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

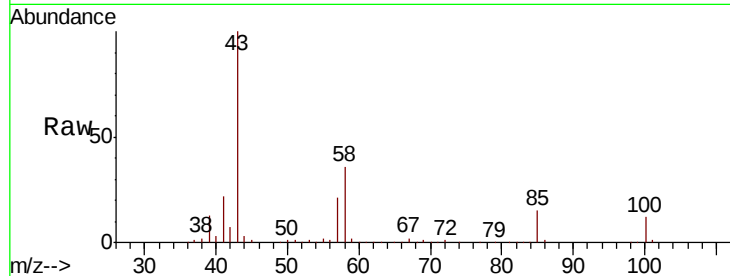
VN0429WBSD01

Tgt Ion: 43 Resp: 487309

Ion Ratio Lower Upper

43 100

58 34.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

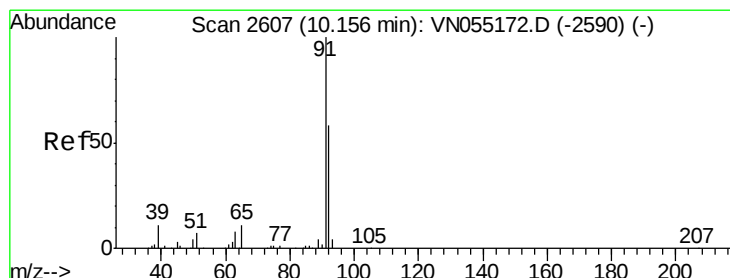
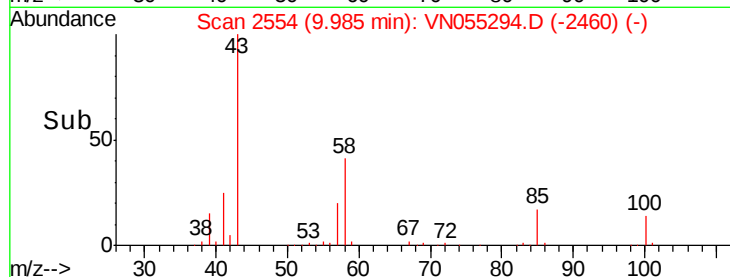
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.470 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055294.D

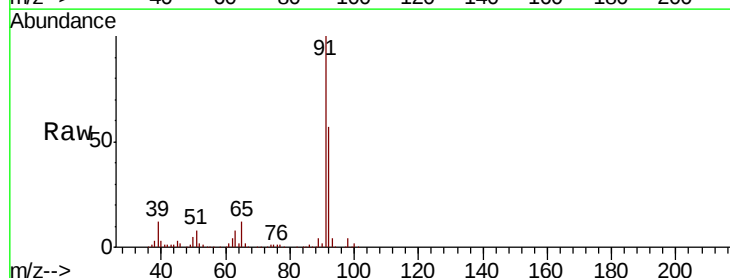
Acq: 29 Apr 2019 15:29

Tgt Ion: 92 Resp: 225759

Ion Ratio Lower Upper

92 100

91 174.8 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

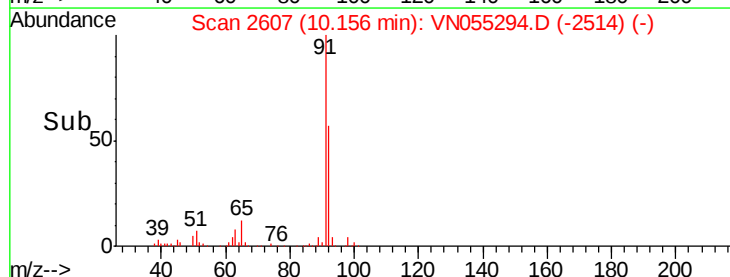
150000

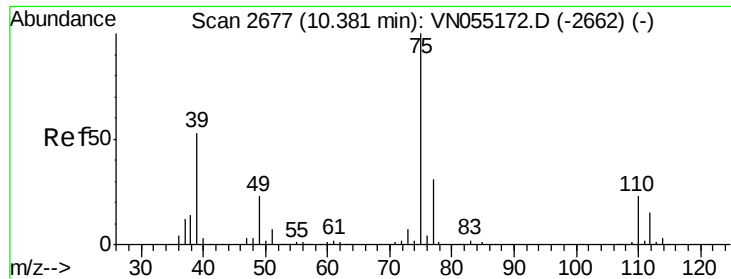
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.379 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

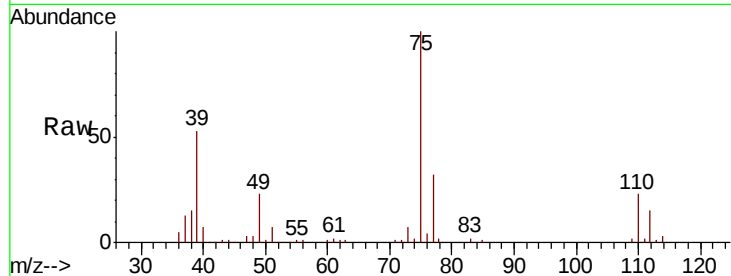
VN0429WBSD01

Tgt Ion: 75 Resp: 115005

Ion Ratio Lower Upper

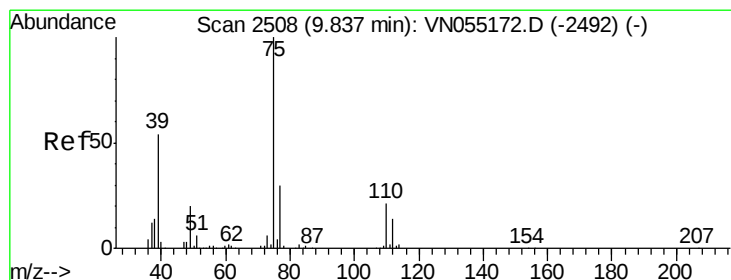
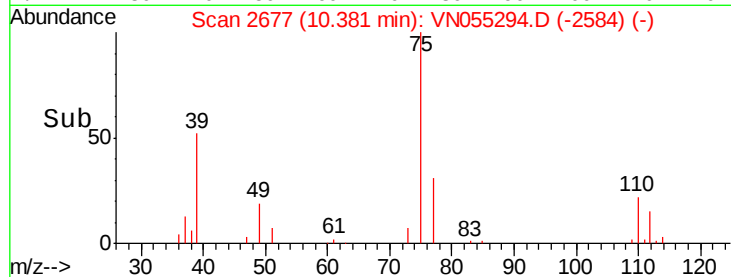
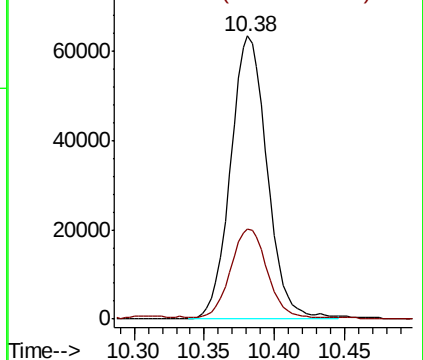
75 100

77 31.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.362 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

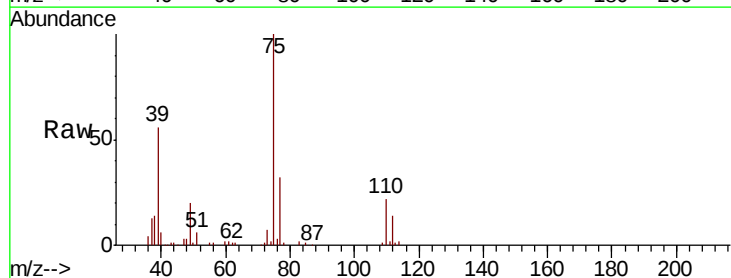
Tgt Ion: 75 Resp: 143271

Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

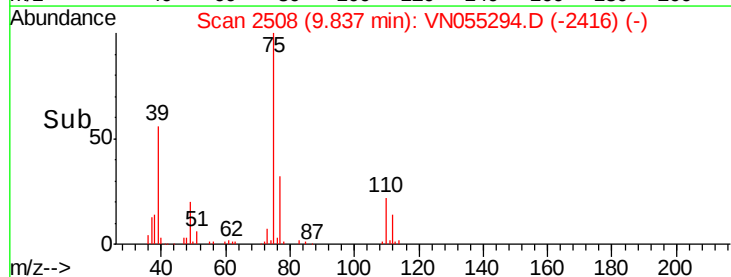
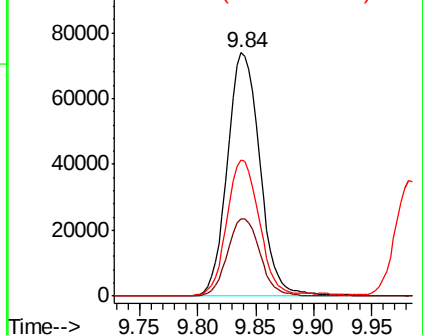
39 55.7 44.2 66.2

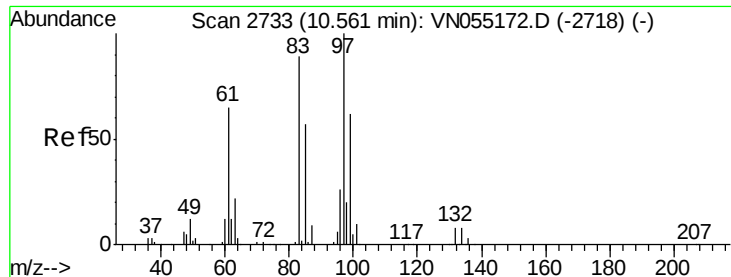


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.519 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tgt Ion: 97 Resp: 84035

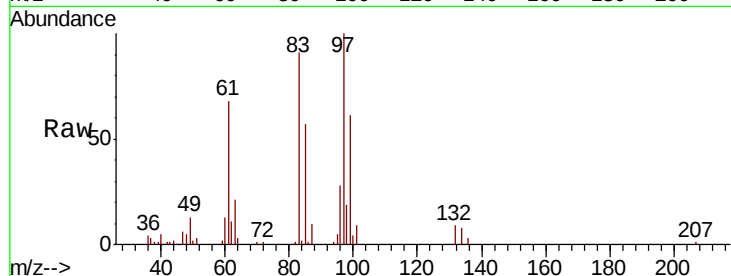
Ion Ratio Lower Upper

97 100

83 90.8 72.8 109.2

85 57.4 47.0 70.6

99 60.5 49.0 73.4

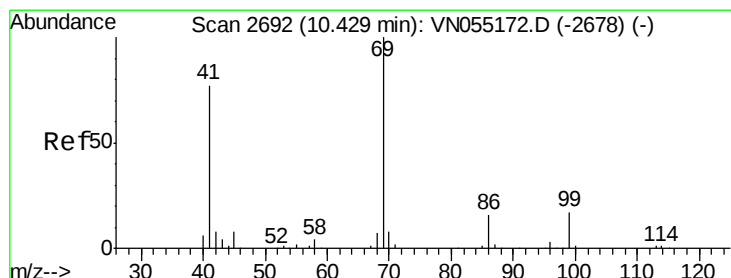
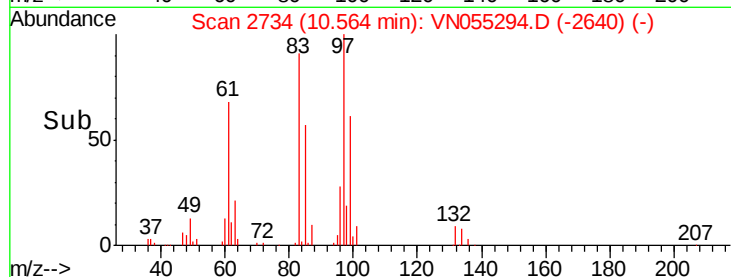
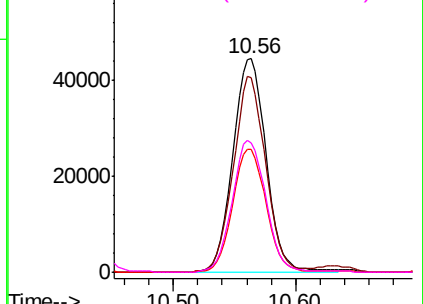


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.718 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

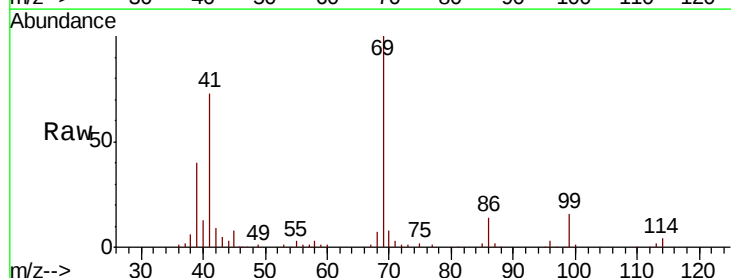
Tgt Ion: 69 Resp: 109474

Ion Ratio Lower Upper

69 100

41 74.6 62.7 94.1

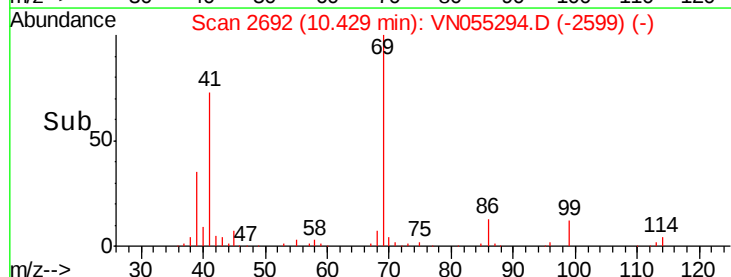
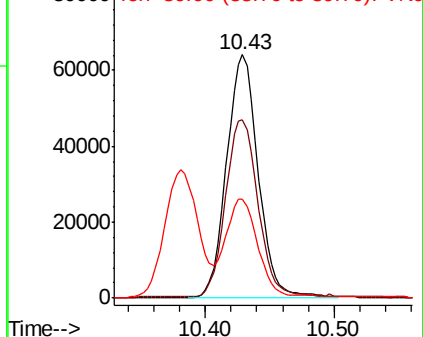
39 39.9 32.0 48.0

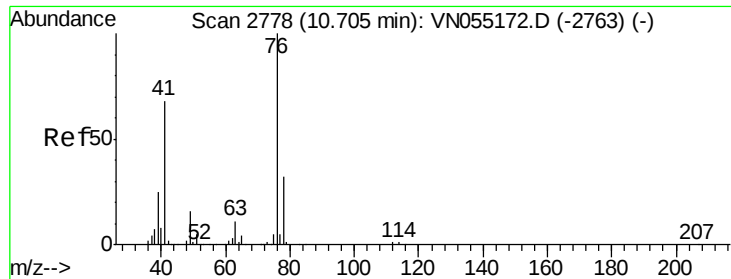


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.388 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

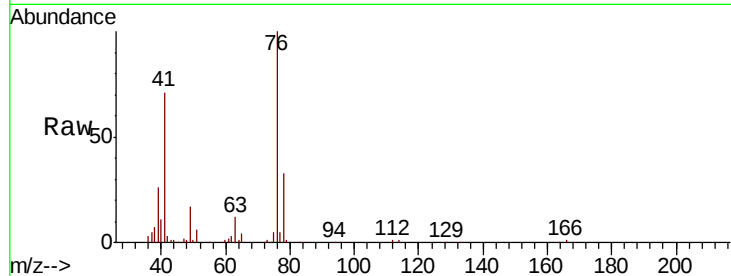
VN0429WBSD01

Tgt Ion: 76 Resp: 146480

Ion Ratio Lower Upper

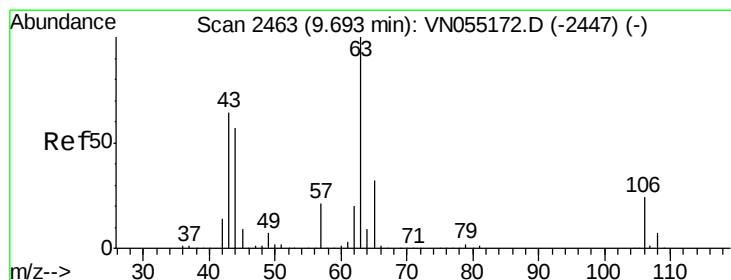
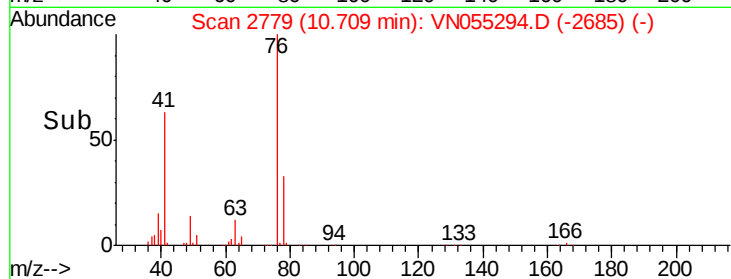
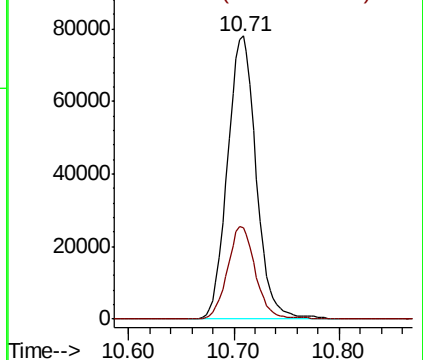
76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.999 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055294.D

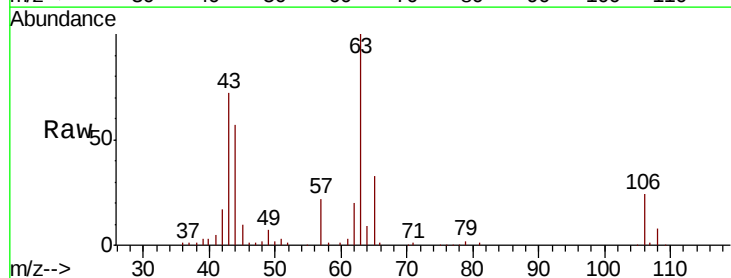
Acq: 29 Apr 2019 15:29

Tgt Ion: 63 Resp: 140895

Ion Ratio Lower Upper

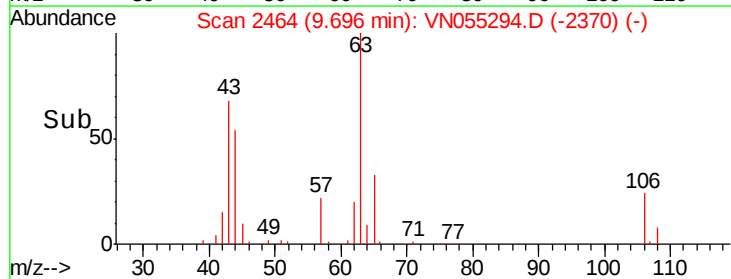
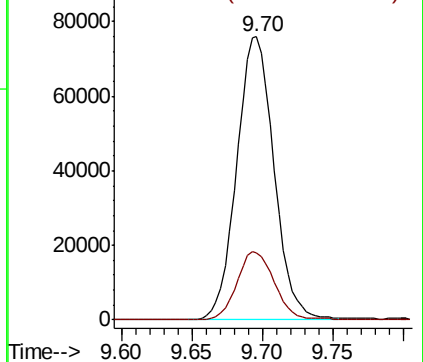
63 100

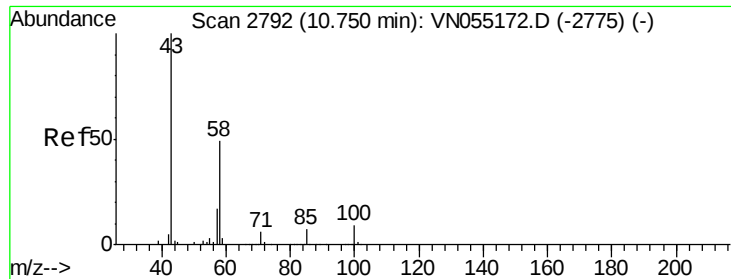
106 24.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

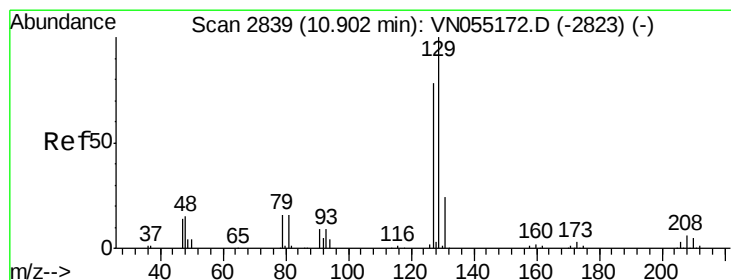
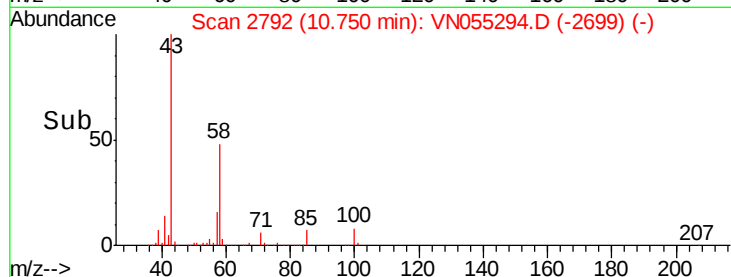
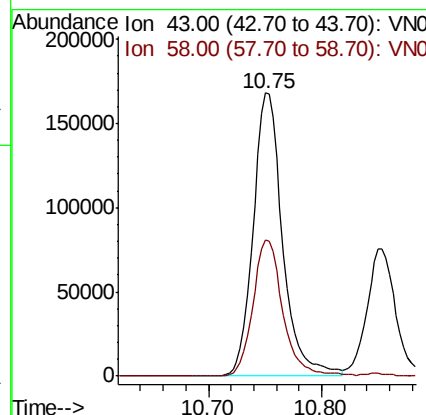
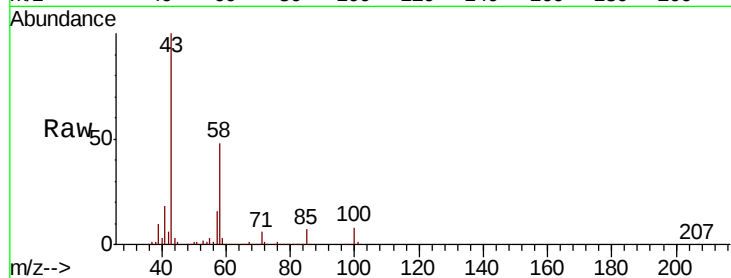




#59
2-Hexanone
Concen: 106.730 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

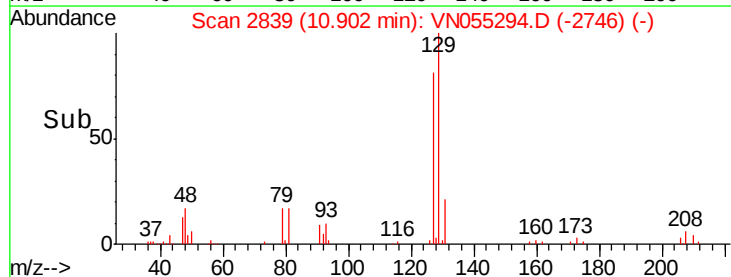
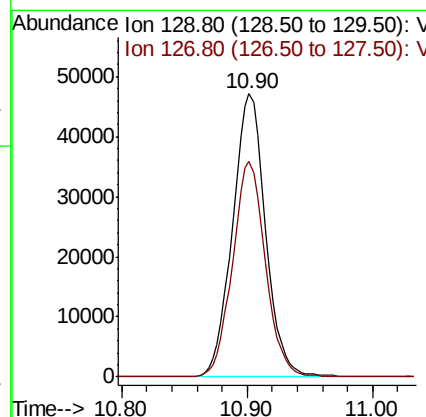
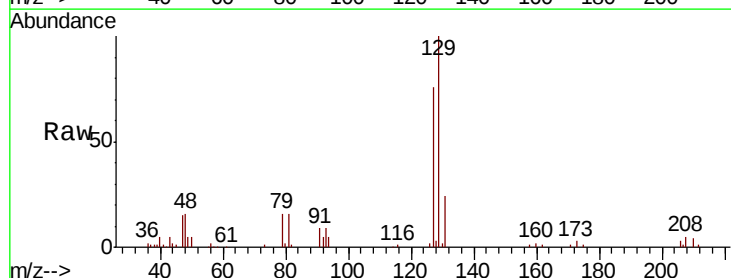
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

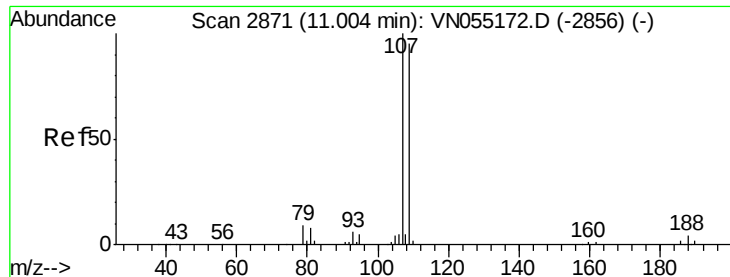
Tgt Ion: 43 Resp: 301945
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6



#60
Dibromochloromethane
Concen: 20.520 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 129 Resp: 85890
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.491 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

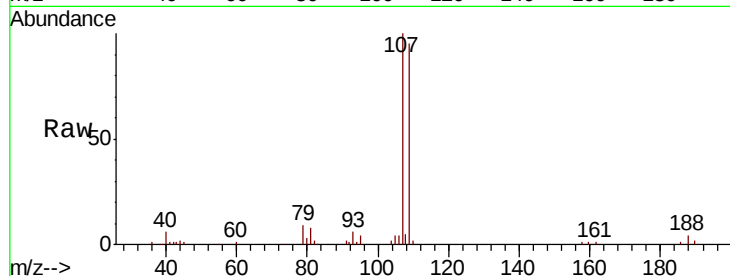
VN0429WBSD01

Tgt Ion: 107 Resp: 77566

Ion Ratio Lower Upper

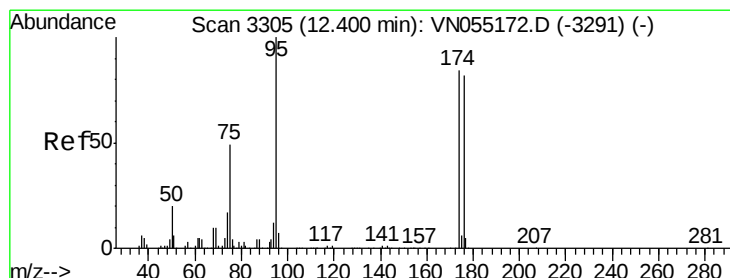
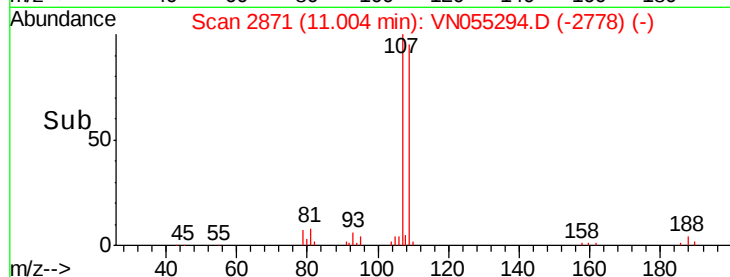
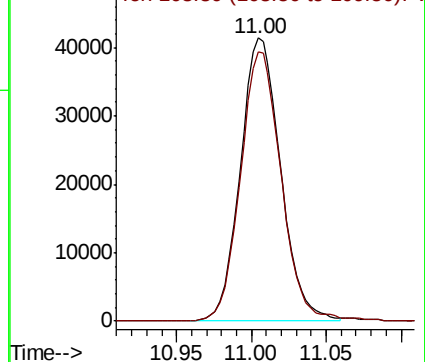
107 100

109 96.3 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.565 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

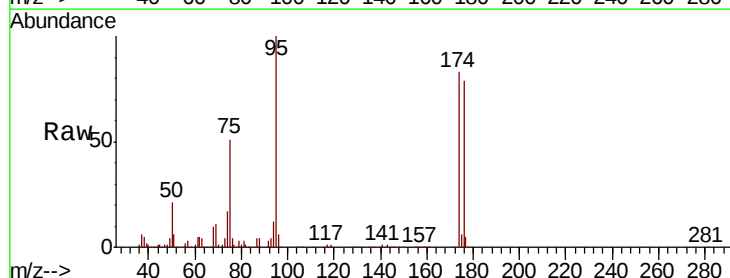
Tgt Ion: 95 Resp: 254966

Ion Ratio Lower Upper

95 100

174 83.1 0.0 166.6

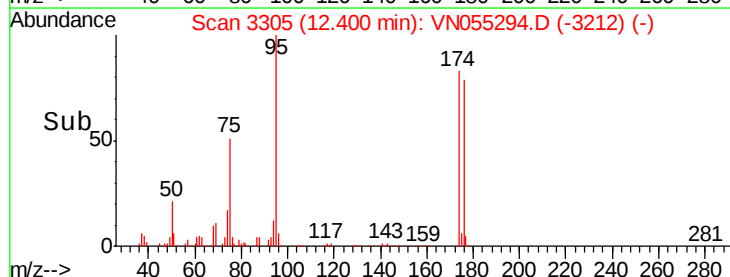
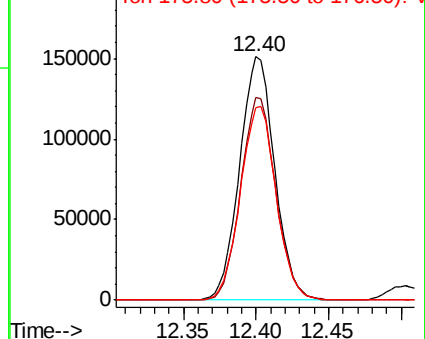
176 81.1 0.0 157.8

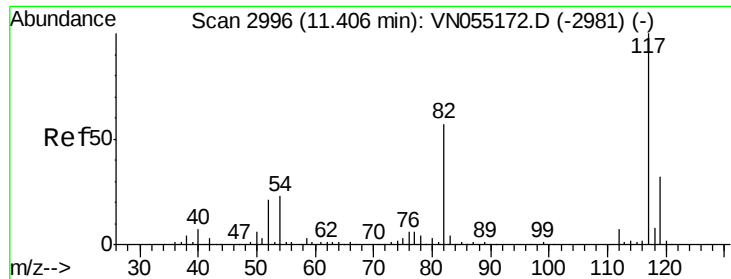


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

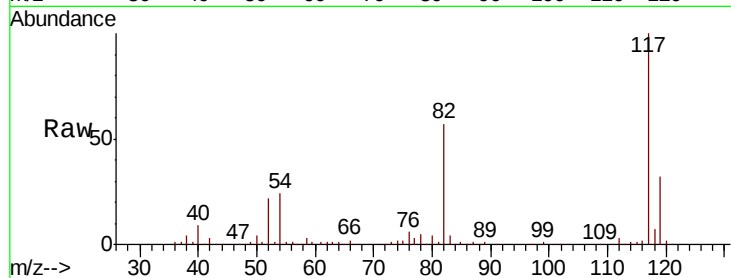




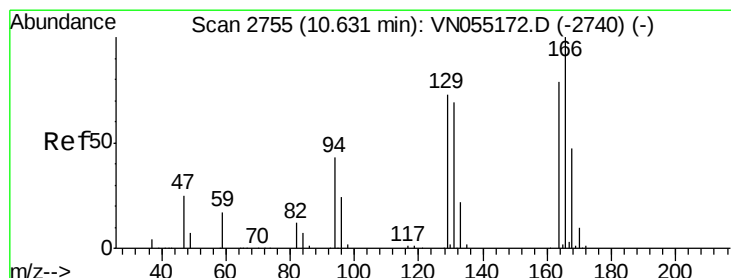
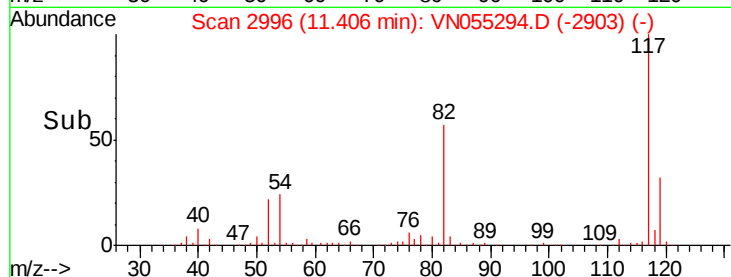
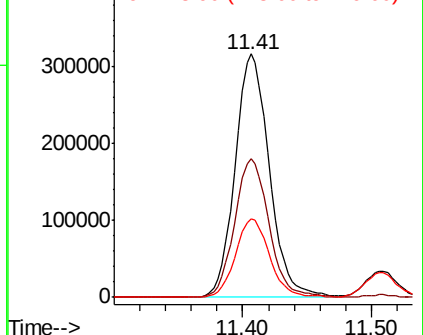
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tgt Ion:117 Resp: 585294
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.4 26.6 40.0



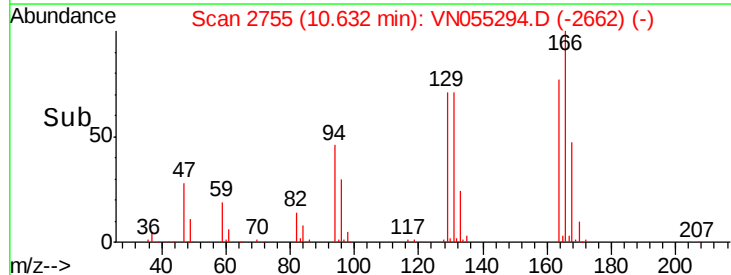
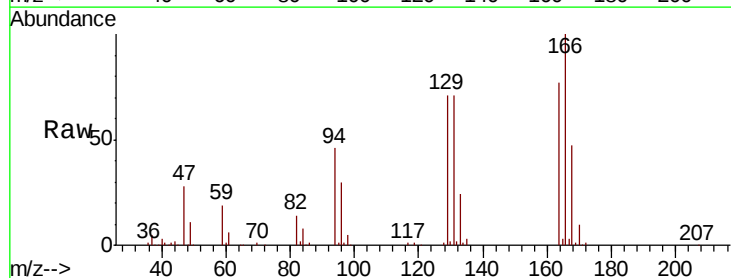
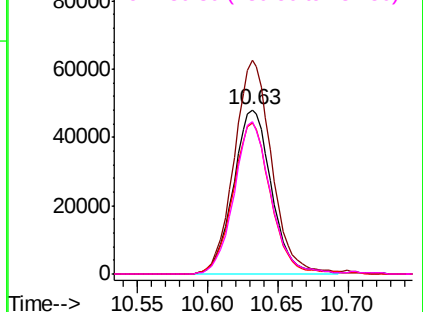
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

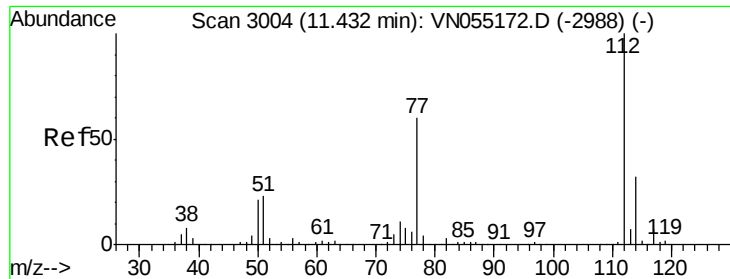


#64
Tetrachloroethene
Concen: 18.980 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion:164 Resp: 90846
Ion Ratio Lower Upper
164 100
166 130.0 102.3 153.5
129 91.9 75.0 112.6
131 92.7 72.7 109.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

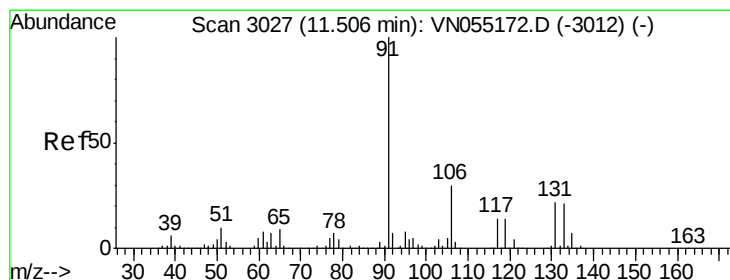
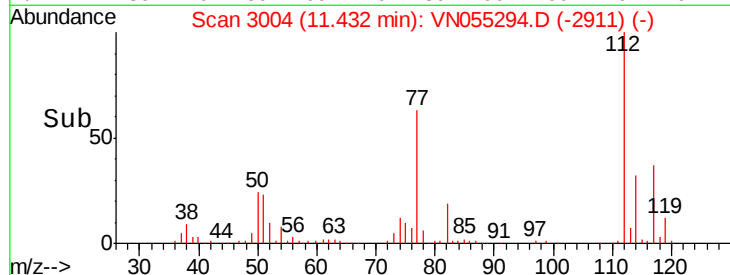
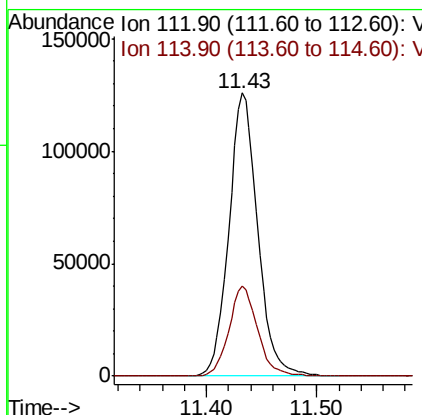
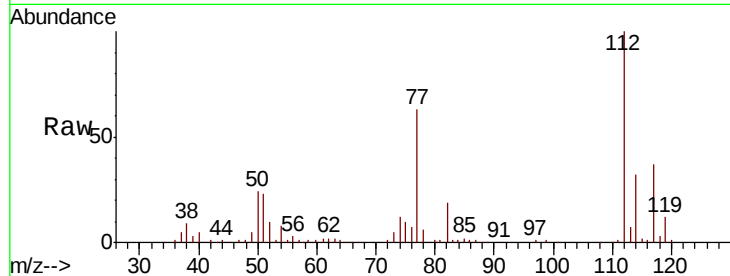




#65
Chlorobenzene
Concen: 19.904 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

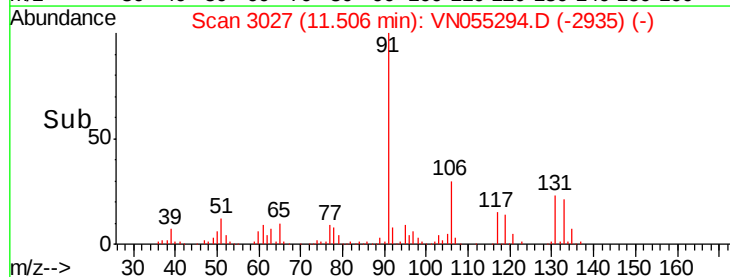
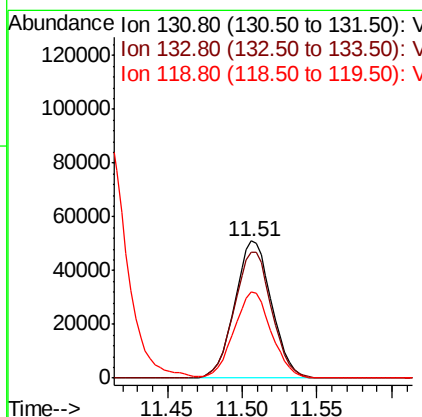
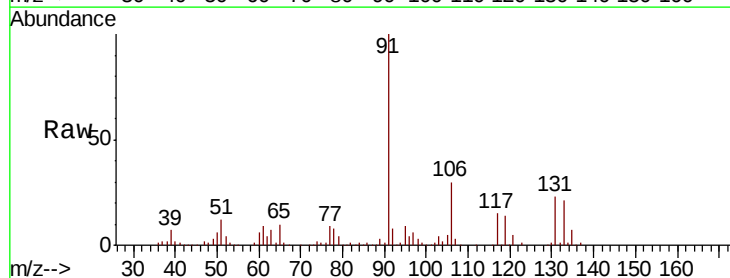
Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

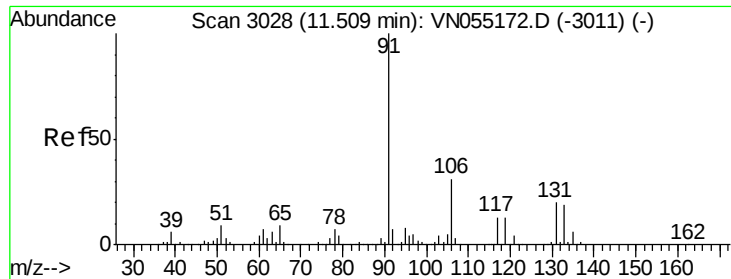
Tgt Ion:112 Resp: 227770
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.494 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion:131 Resp: 87350
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 63.9 32.7 98.1

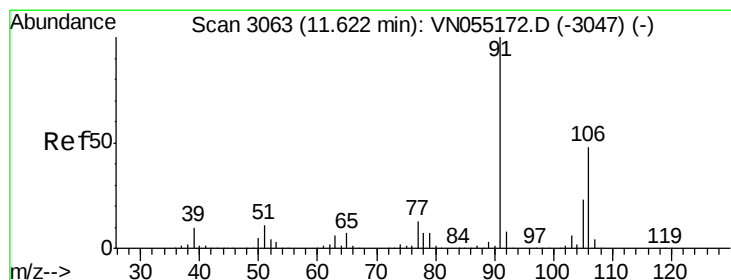
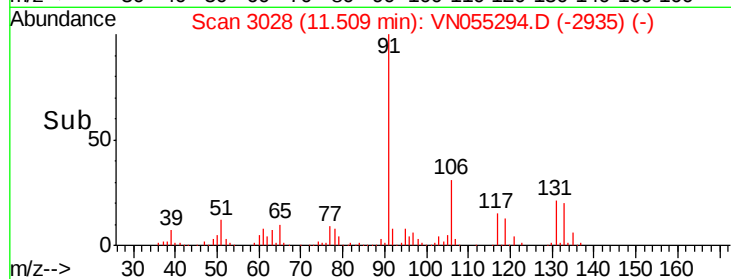
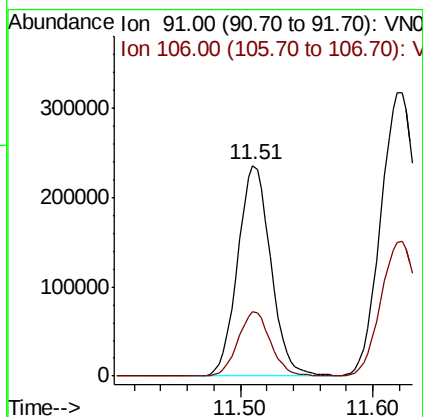
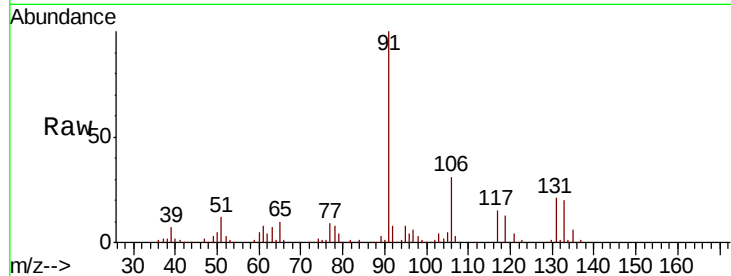




#67
Ethyl Benzene
Concen: 19.829 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

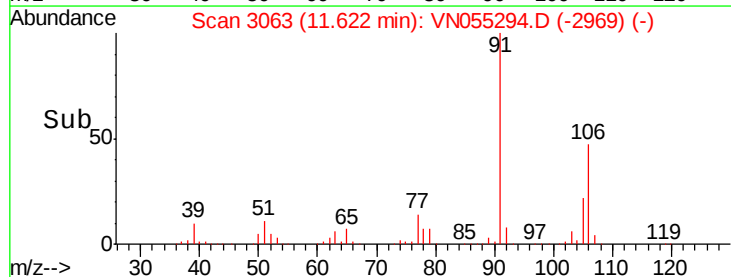
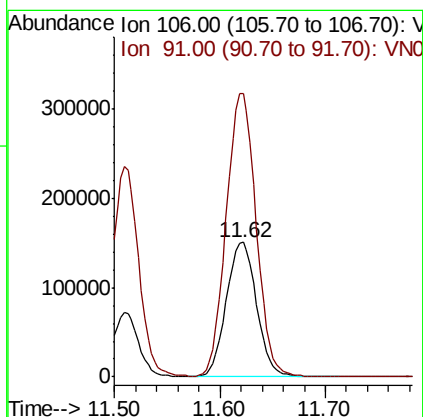
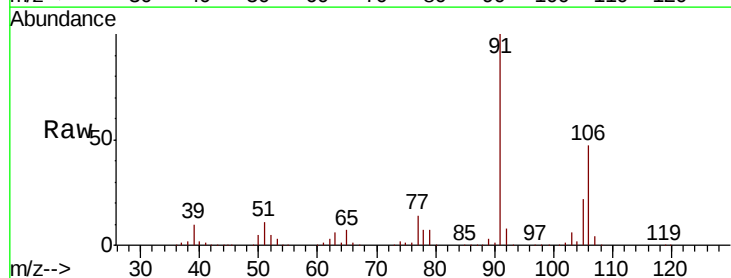
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

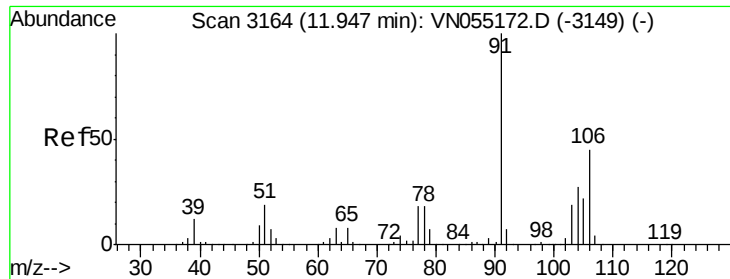
Tgt Ion: 91 Resp: 409751
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 40.677 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 106 Resp: 300034
Ion Ratio Lower Upper
106 100
91 208.2 169.5 254.3

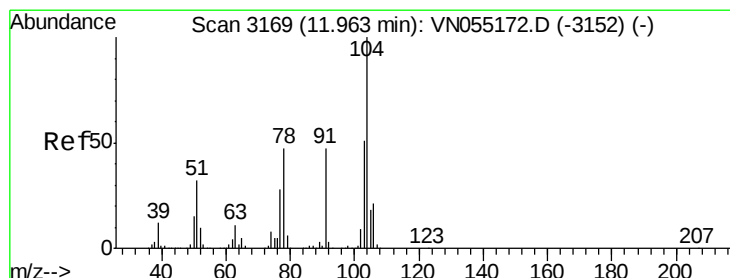
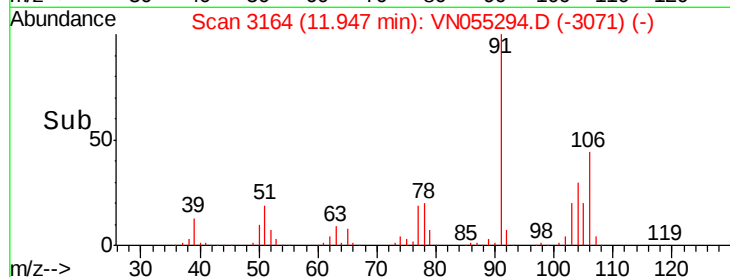
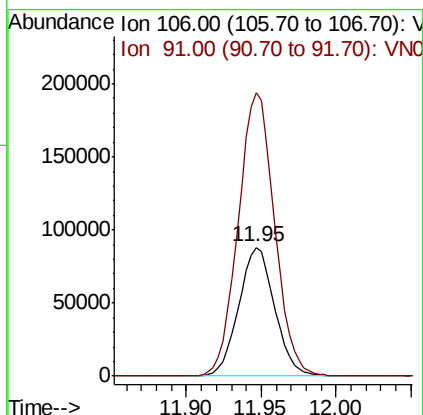
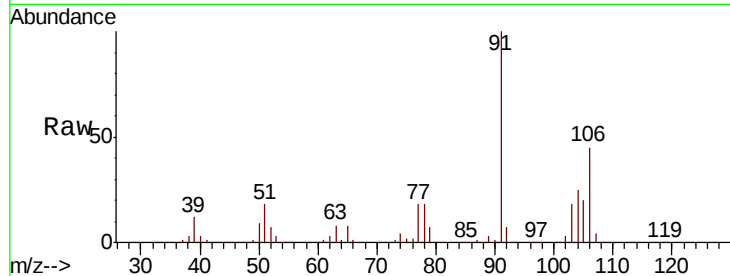




#69
o-Xylene
Concen: 20.115 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

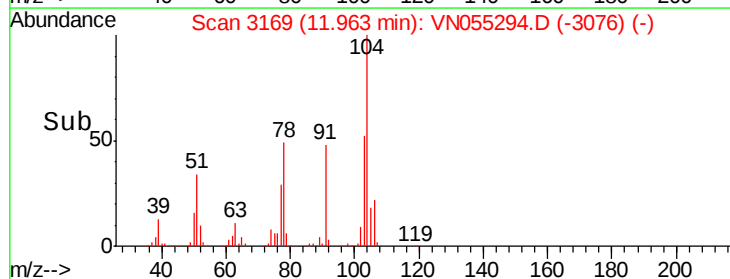
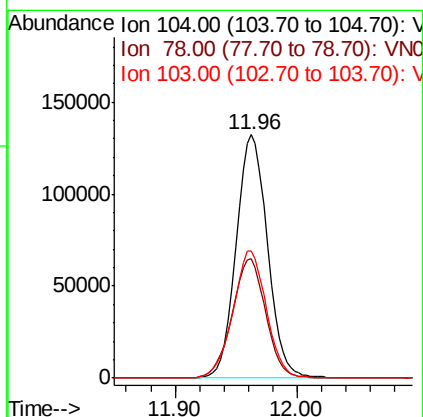
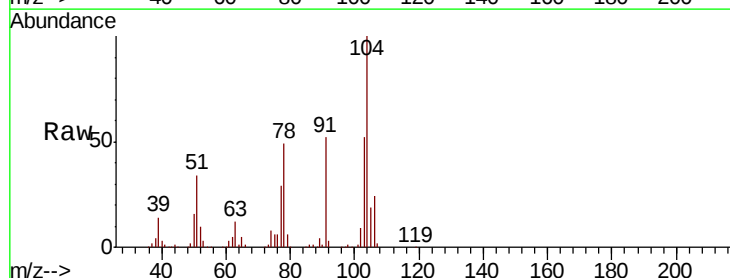
Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

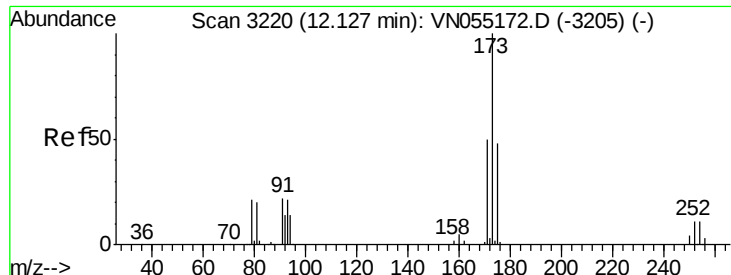
Tgt Ion:106 Resp: 147060
Ion Ratio Lower Upper
106 100
91 222.8 111.5 334.5



#70
Styrene
Concen: 20.907 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion:104 Resp: 234683
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.7 44.6 67.0





#71

Bromoform

Concen: 20.745 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

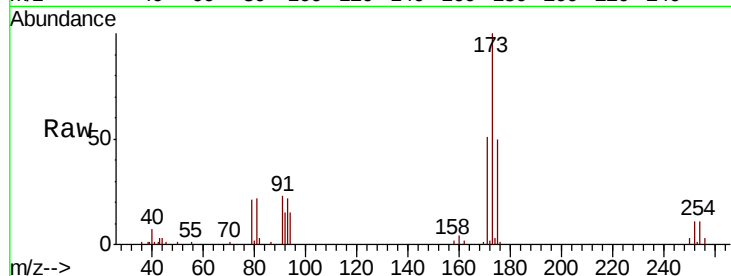
Tgt Ion:173 Resp: 51579

Ion Ratio Lower Upper

173 100

175 48.6 23.6 71.0

254 0.0 0.0 0.0

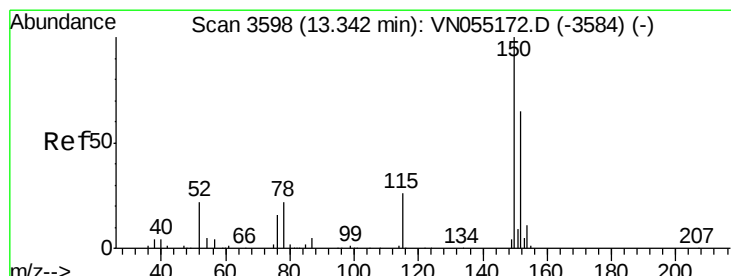
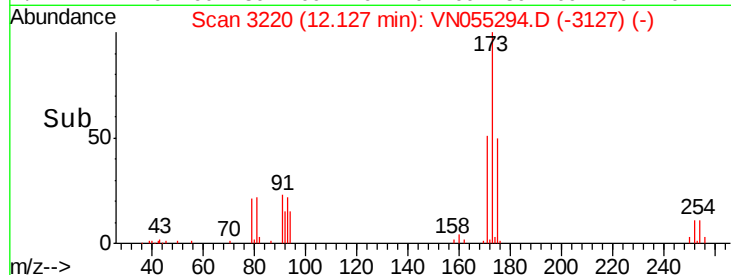
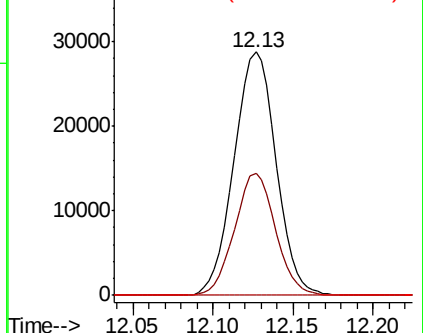


Abundance

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: VN055294.D

Acq: 29 Apr 2019 15:29

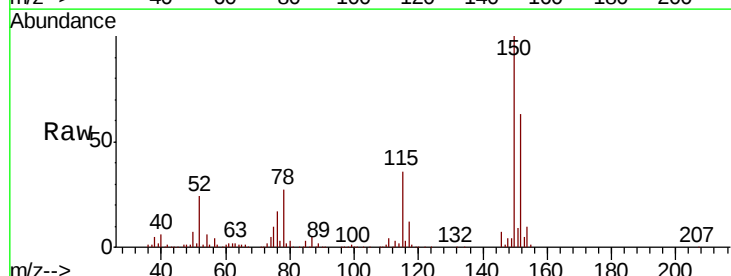
Tgt Ion:152 Resp: 213306

Ion Ratio Lower Upper

152 100

115 56.8 29.0 87.0

150 163.1 0.0 345.6

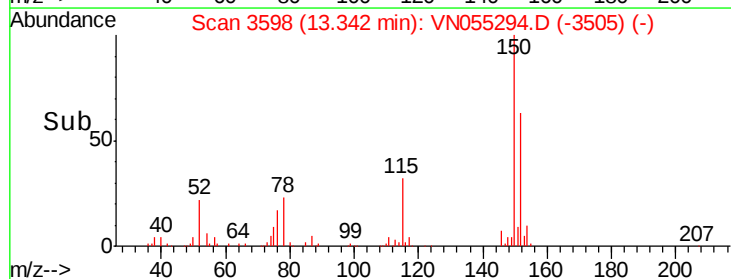
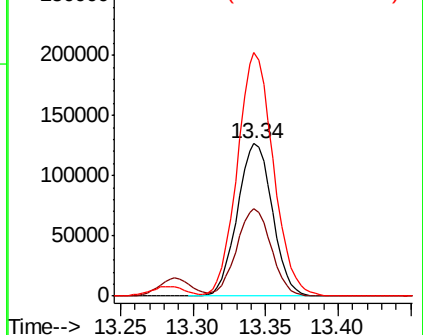


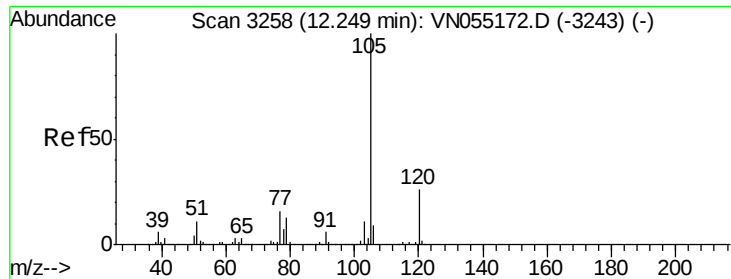
Abundance

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: 21.388 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

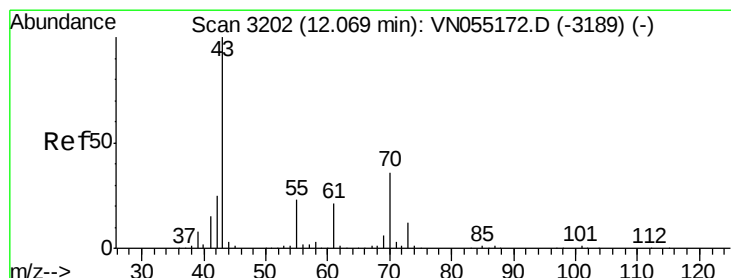
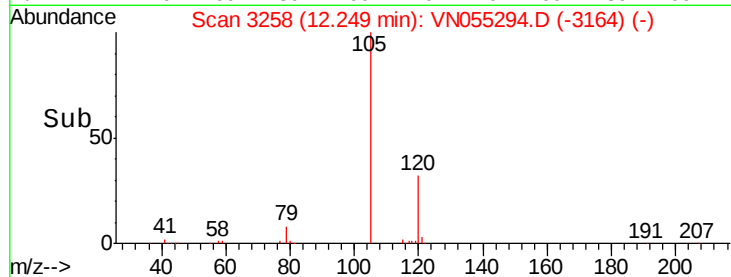
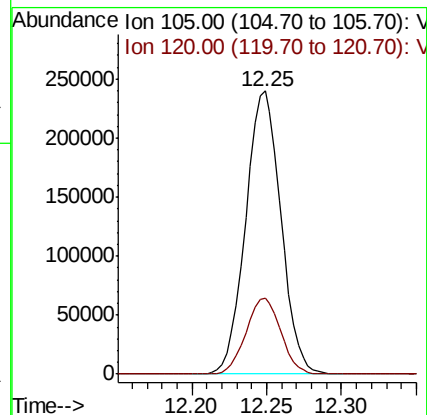
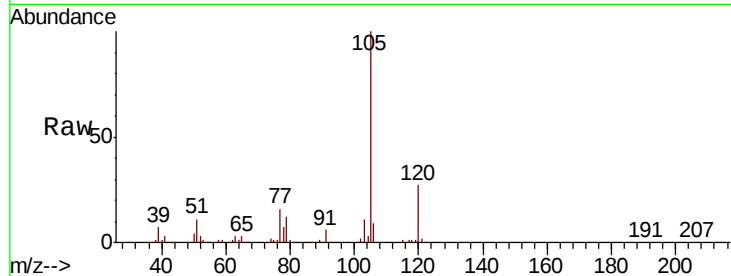
VN0429WBSD01

Tgt Ion: 105 Resp: 393715

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.7



#74

N-ethyl acetate

Concen: 21.046 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion: 43 Resp: 115213

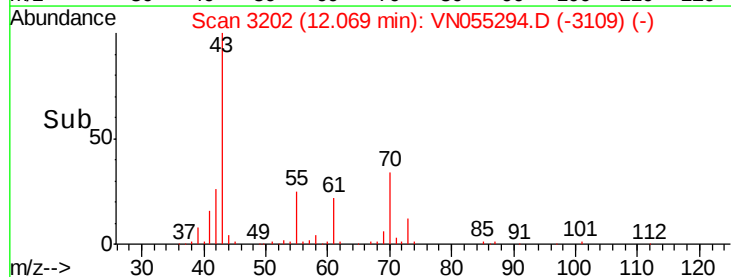
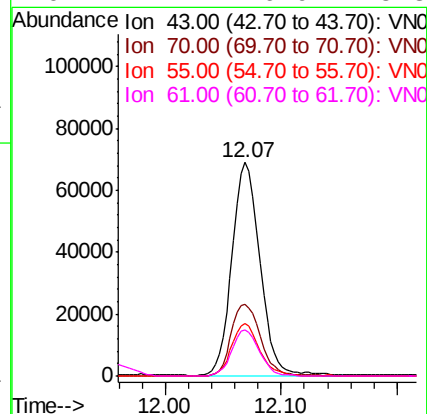
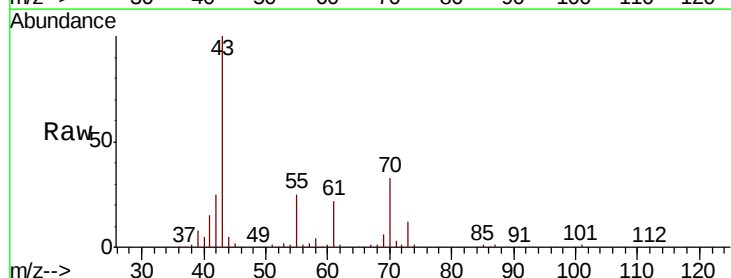
Ion Ratio Lower Upper

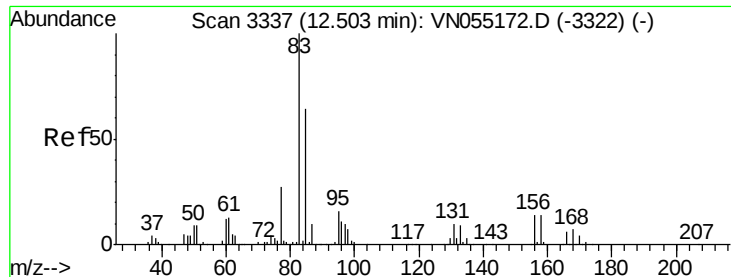
43 100

70 35.4 27.9 41.9

55 24.4 18.2 27.2

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.126 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

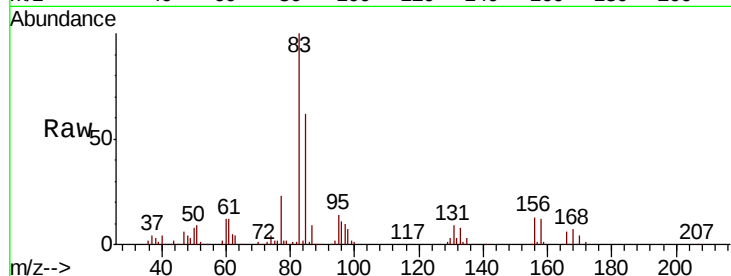
Tgt Ion: 83 Resp: 104960

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

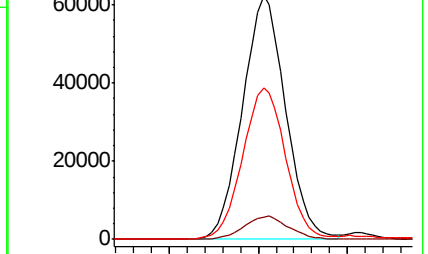
85 62.2 32.3 96.8



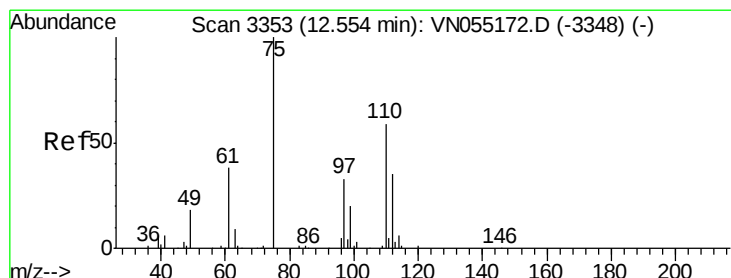
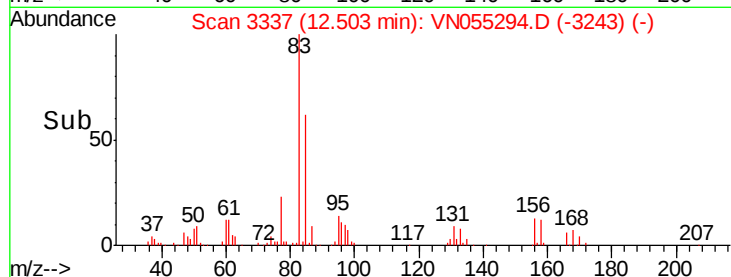
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.507 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055294.D

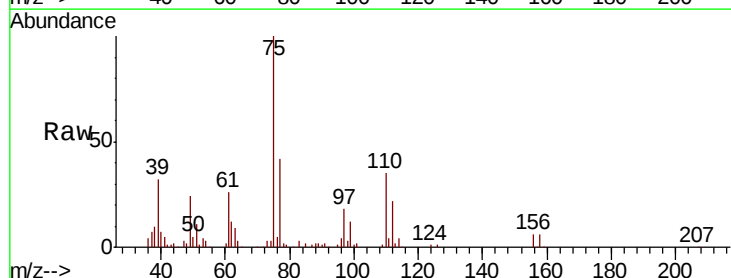
Acq: 29 Apr 2019 15:29

Tgt Ion: 75 Resp: 117318

Ion Ratio Lower Upper

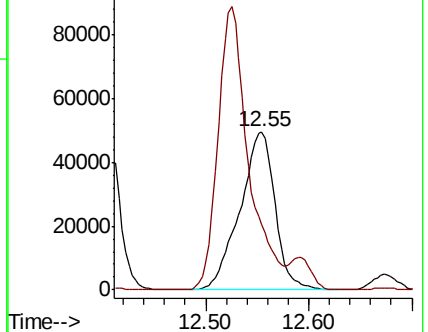
75 100

77 0.0 0.0 0.0

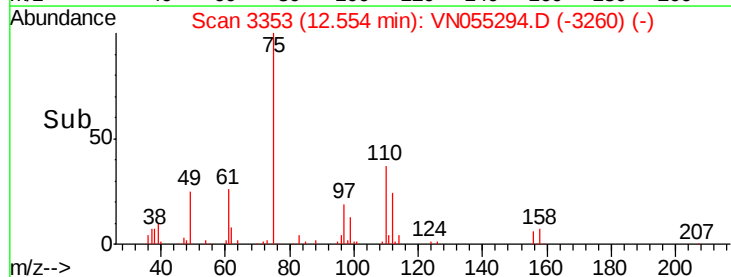


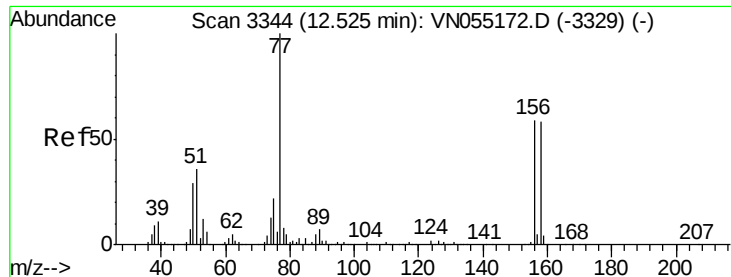
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 21.821 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

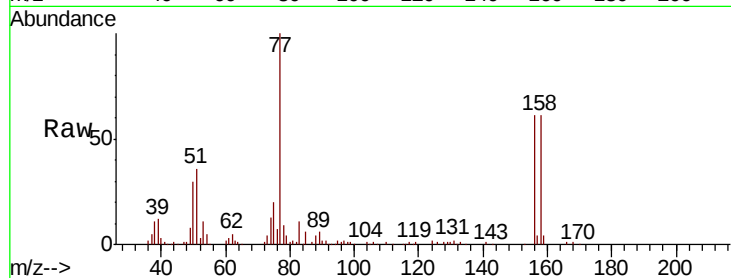
Tgt Ion:156 Resp: 93850

Ion Ratio Lower Upper

156 100

77 195.4 99.6 298.8

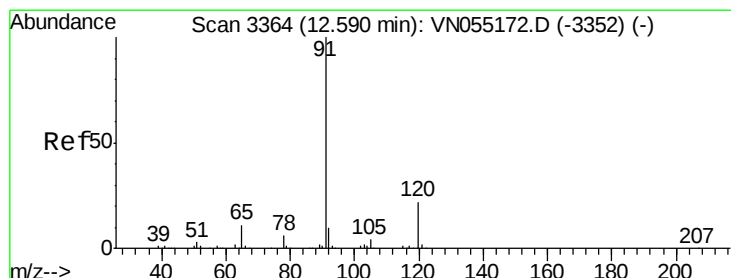
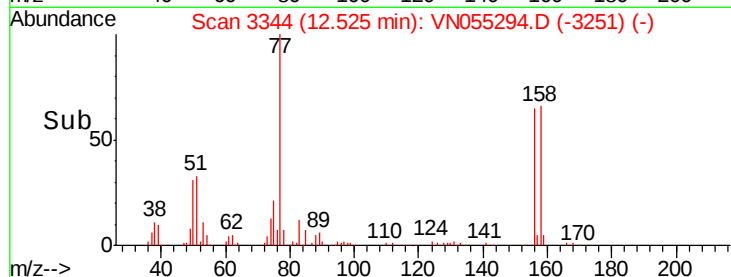
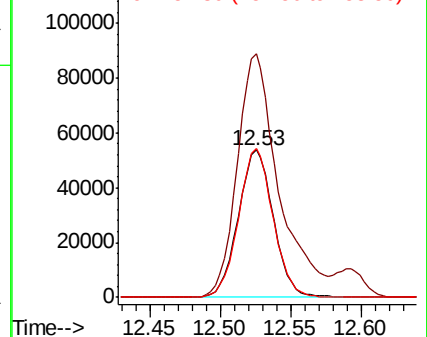
158 98.8 49.3 147.8



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: 19.161 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055294.D

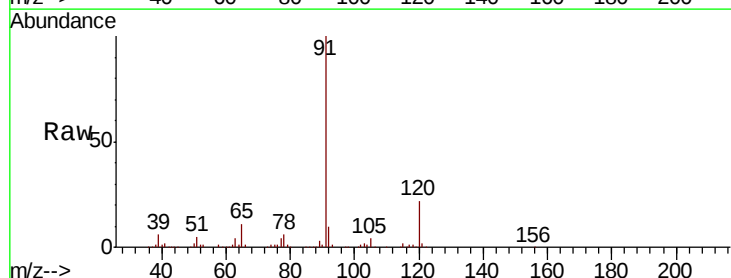
Acq: 29 Apr 2019 15:29

Tgt Ion: 91 Resp: 419834

Ion Ratio Lower Upper

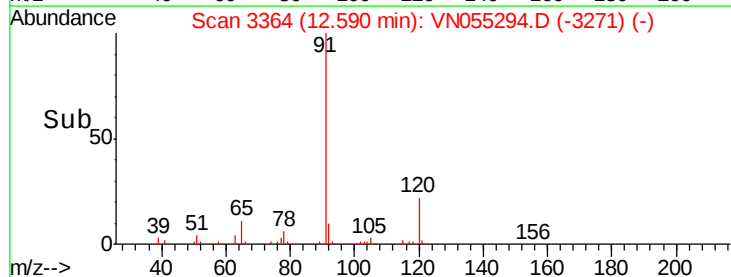
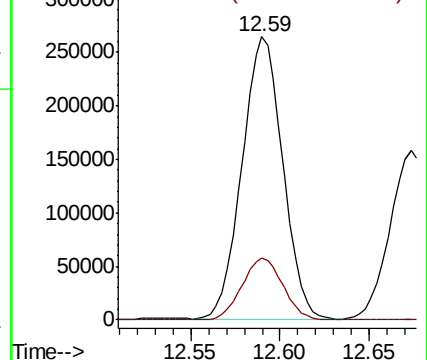
91 100

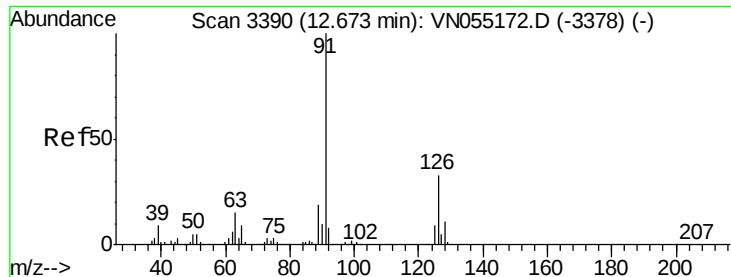
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.177 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

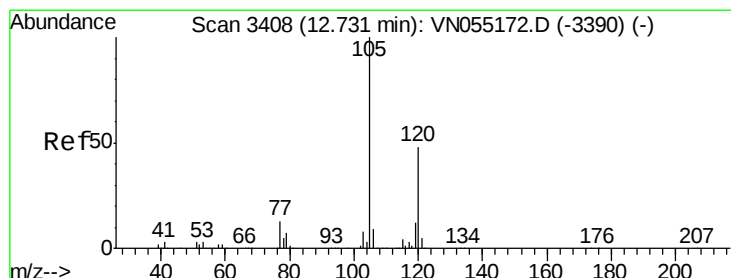
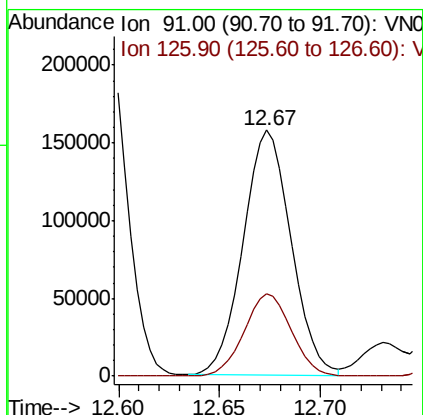
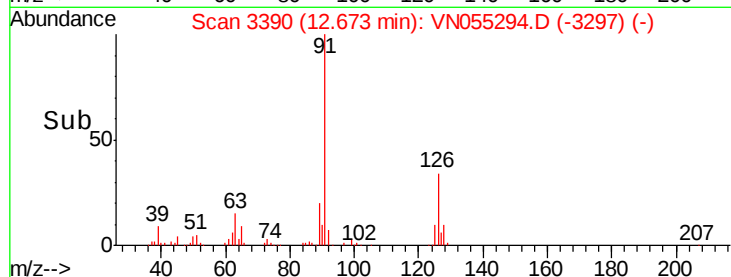
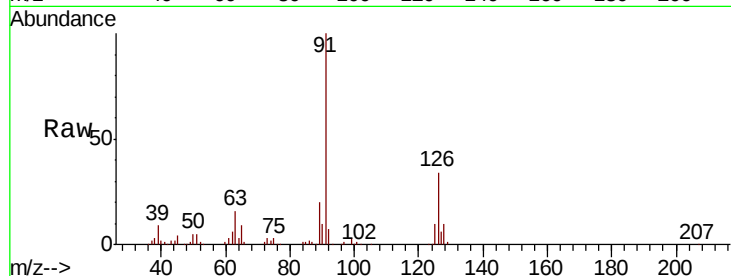
VN0429WBSD01

Tgt Ion: 91 Resp: 262555

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 18.894 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055294.D

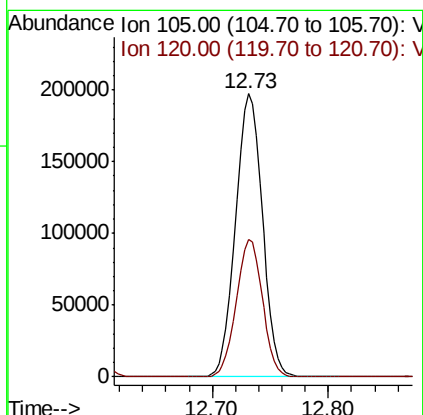
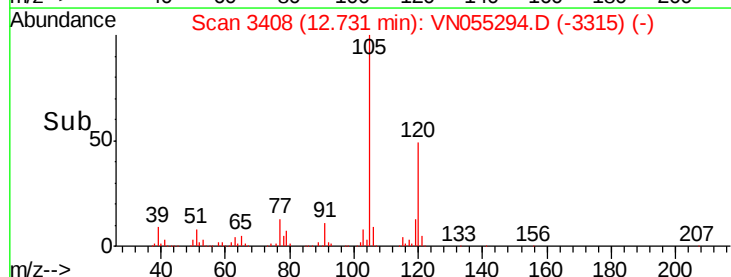
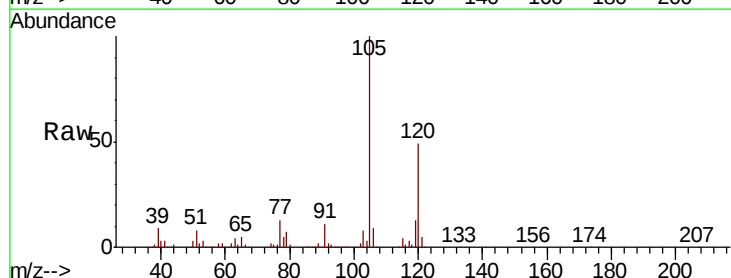
Acq: 29 Apr 2019 15:29

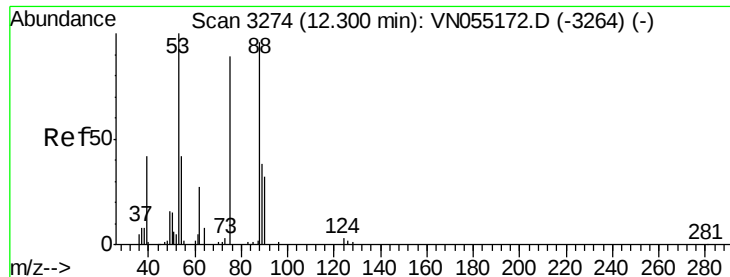
Tgt Ion: 105 Resp: 315949

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.752 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

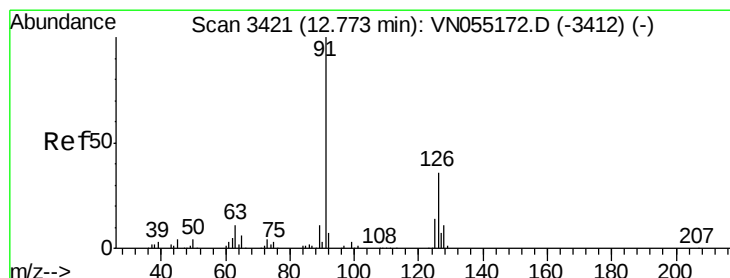
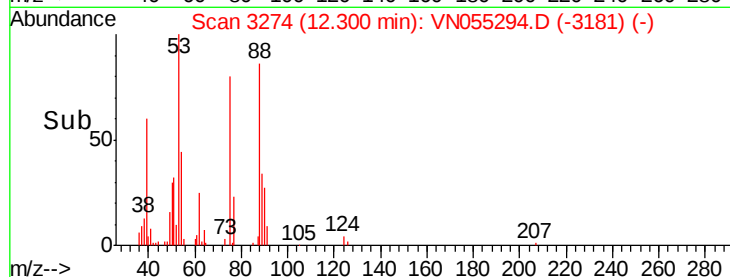
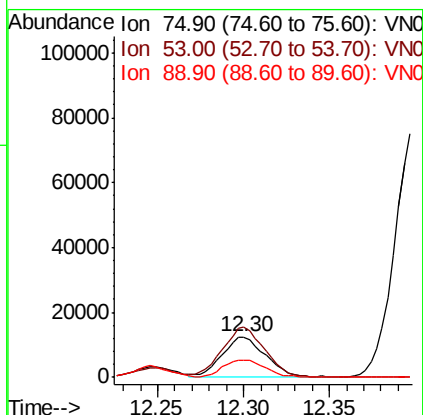
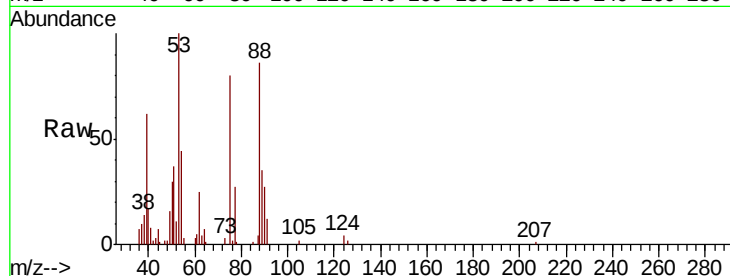
Tgt Ion: 75 Resp: 22232

Ion Ratio Lower Upper

75 100

53 121.5 86.3 129.5

89 41.9 34.6 51.8



#82

4-Chlorotoluene

Concen: 19.258 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055294.D

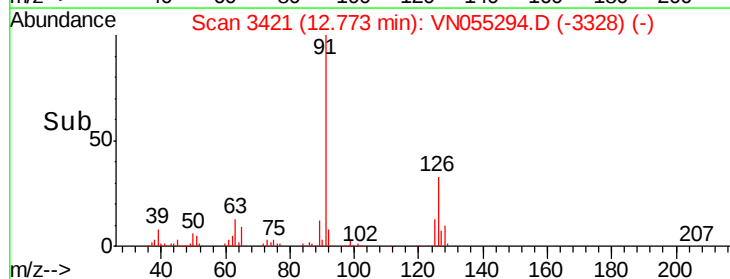
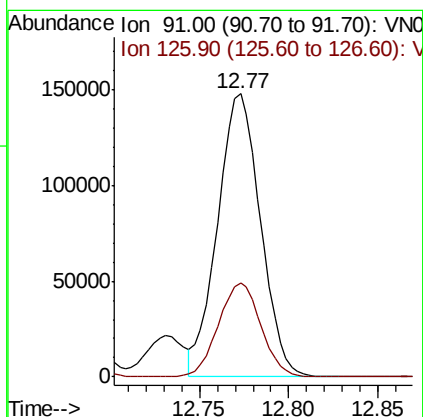
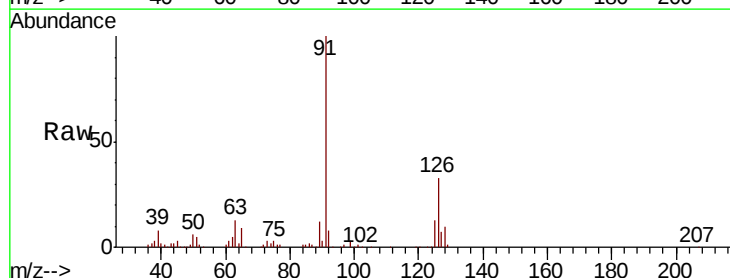
Acq: 29 Apr 2019 15:29

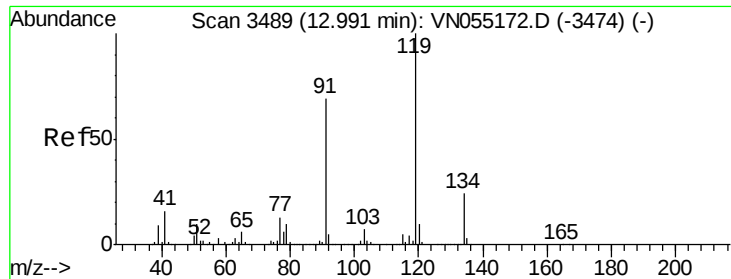
Tgt Ion: 91 Resp: 245347

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.7

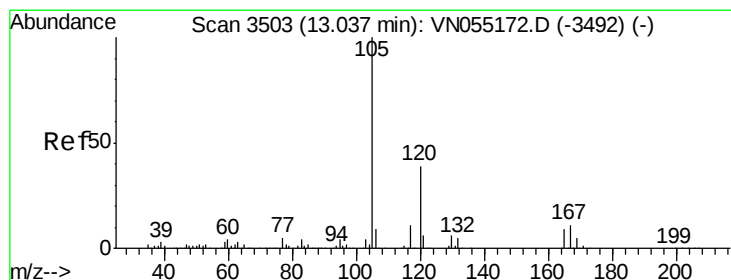
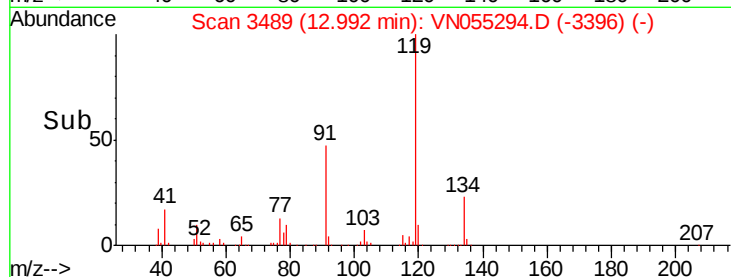
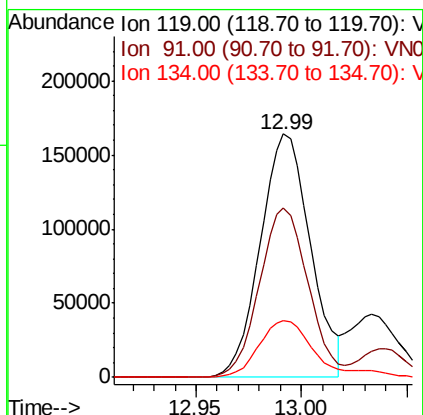
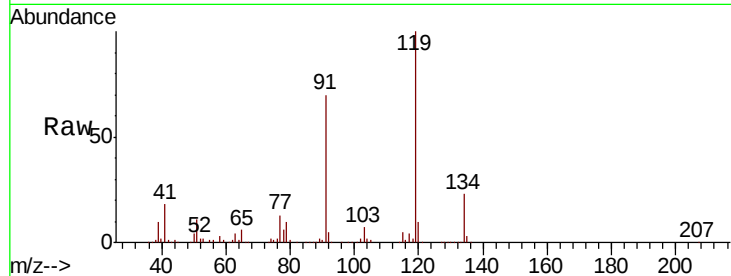




#83
 tert-Butylbenzene
 Concen: 21.291 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

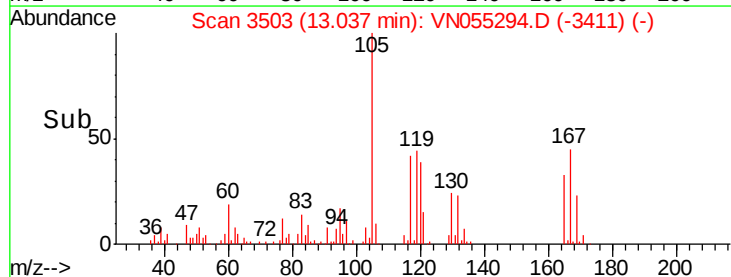
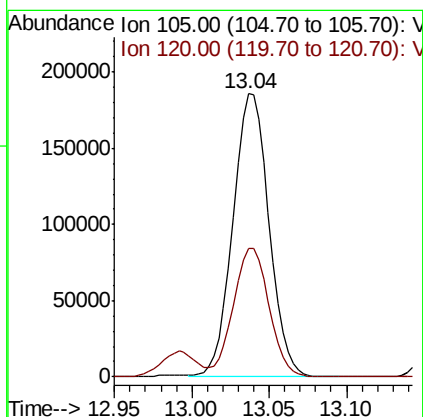
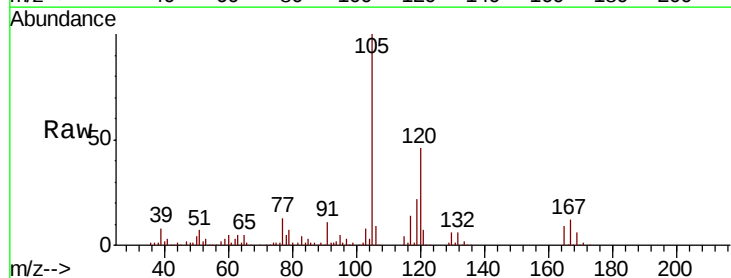
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

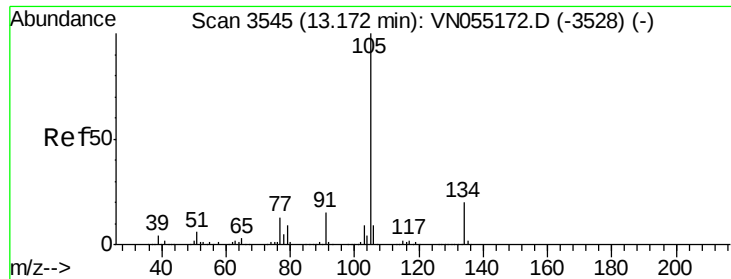
Tgt Ion:119 Resp: 271796
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.3 102.9
 134 26.3 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.014 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion:105 Resp: 299318
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.300 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

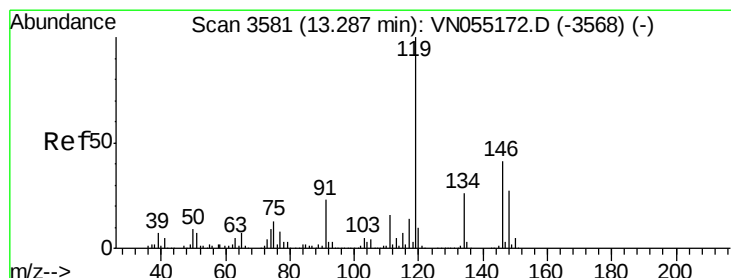
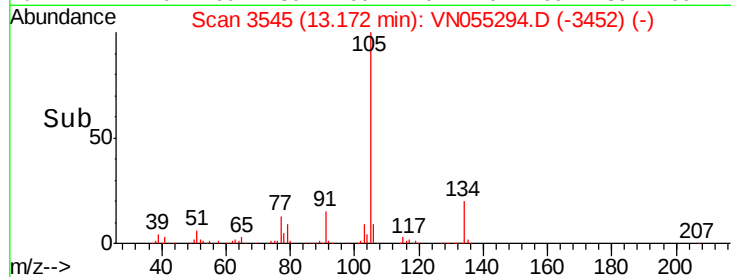
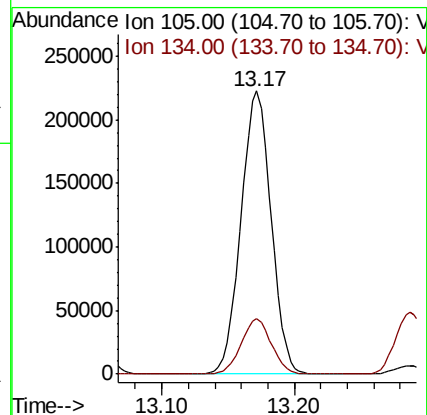
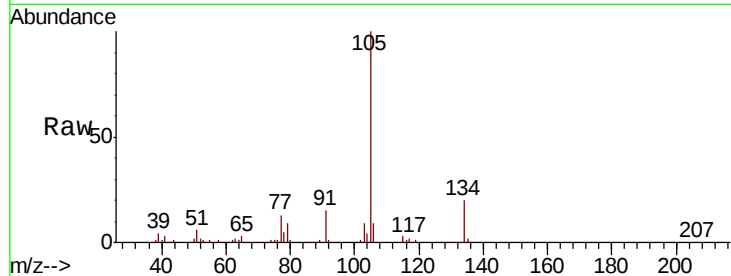
VN0429WBSD01

Tgt Ion:105 Resp: 350795

Ion Ratio Lower Upper

105 100

134 19.6 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.614 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

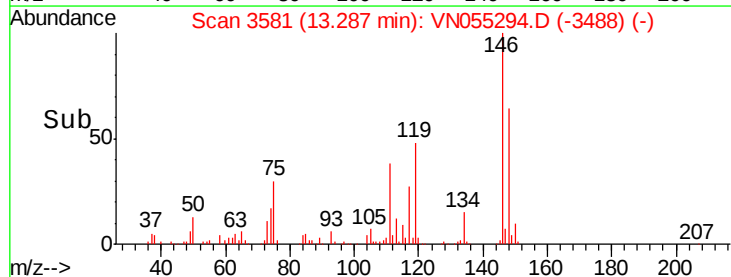
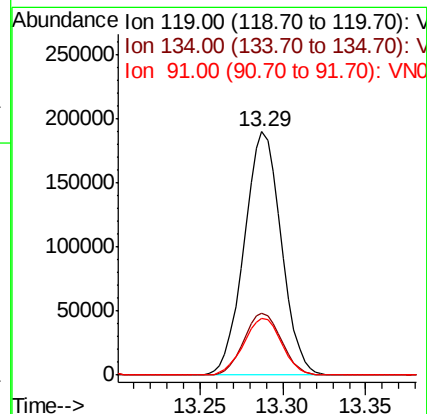
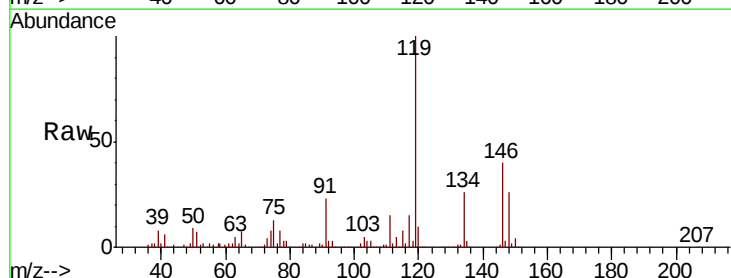
Tgt Ion:119 Resp: 293011

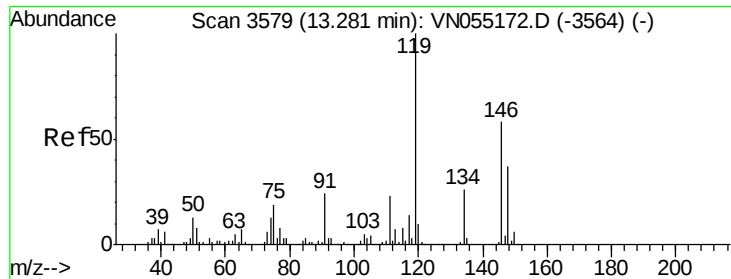
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.3 12.2 36.6

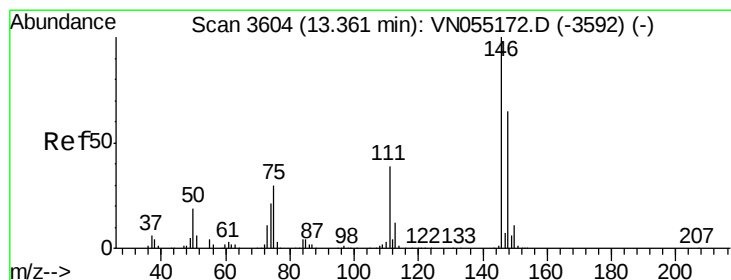
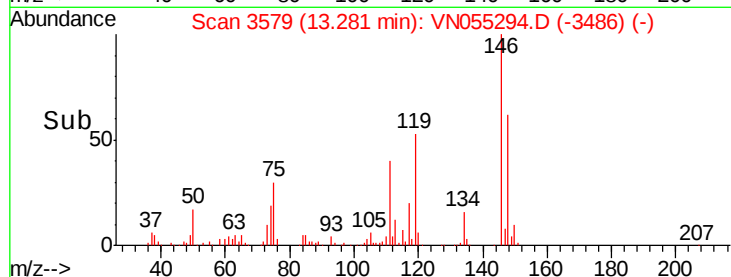
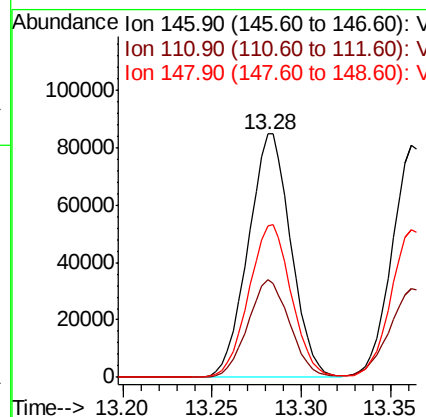
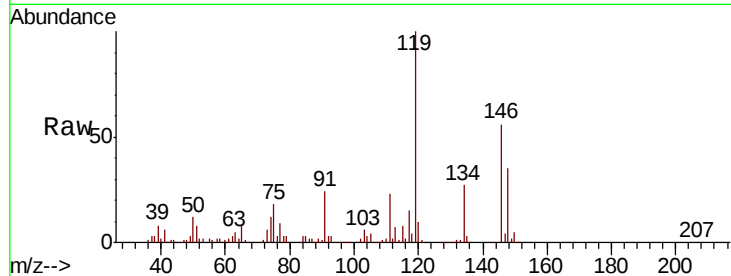




#87
 1,3-Dichlorobenzene
 Concen: 19.928 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

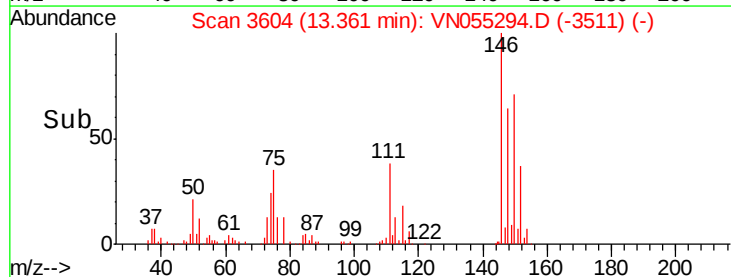
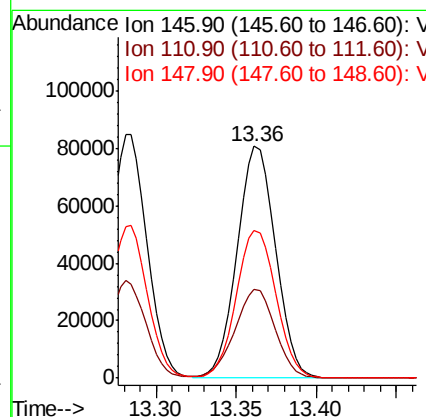
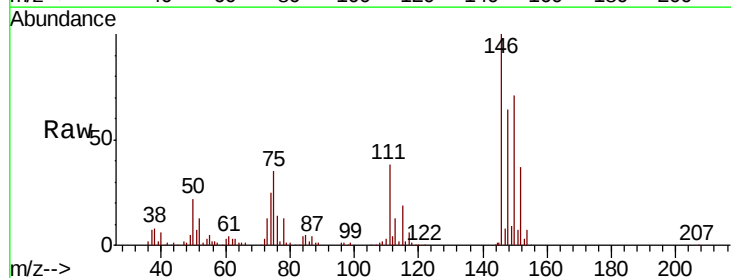
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

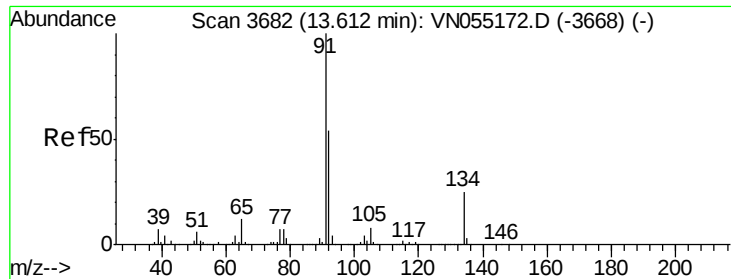
Tgt Ion:146 Resp: 142242
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.3 60.8
 148 62.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion:146 Resp: 132231
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.5 58.5
 148 65.8 32.5 97.4





#89

n-Butylbenzene

Concen: 19.447 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

VN0429WBSD01

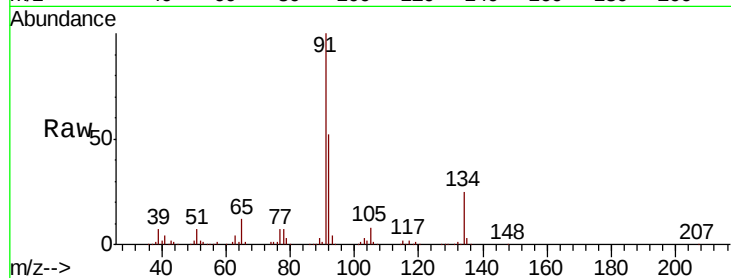
Tgt Ion: 91 Resp: 206438

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.3

134 25.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055172.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055172.D (-3668) (-)

13.61

150000

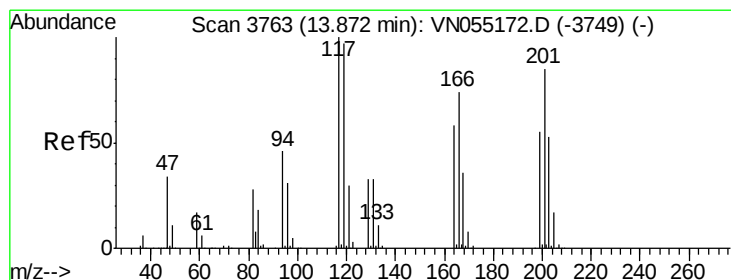
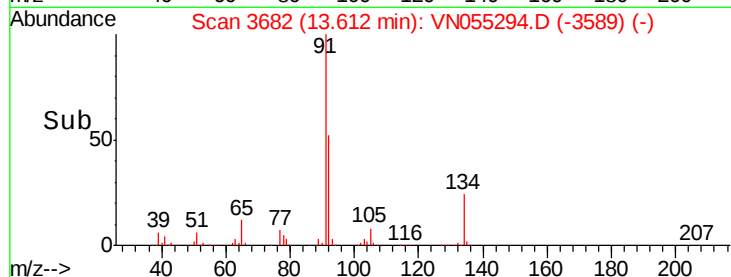
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 19.550 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055294.D

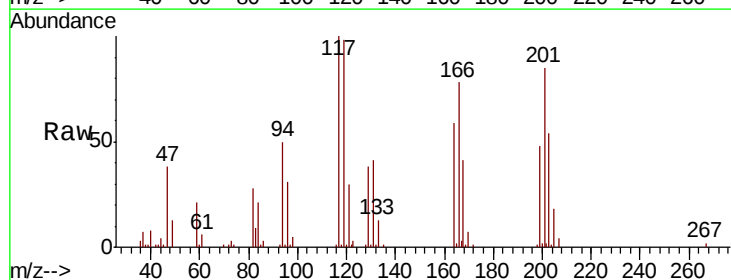
Acq: 29 Apr 2019 15:29

Tgt Ion: 117 Resp: 48512

Ion Ratio Lower Upper

117 100

201 86.8 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055172.D (-3749) (-)

13.87

30000

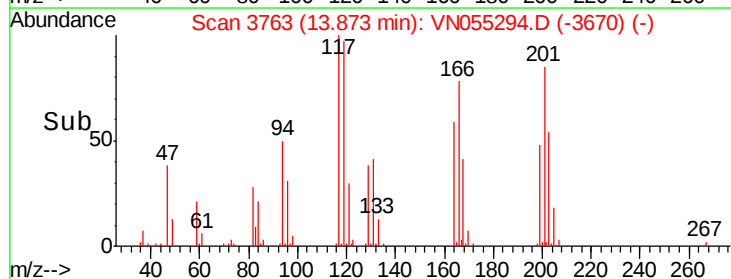
20000

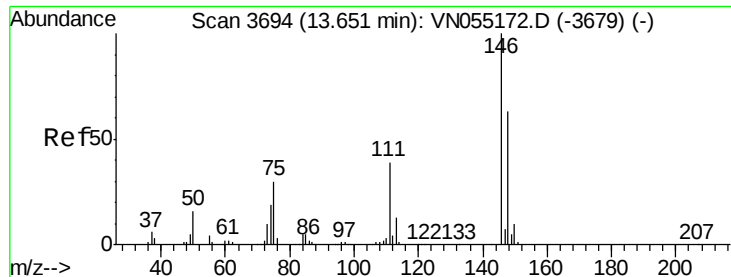
10000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.788 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

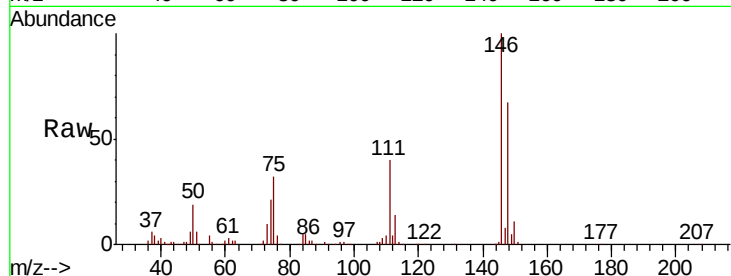
Tgt Ion:146 Resp: 139987

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

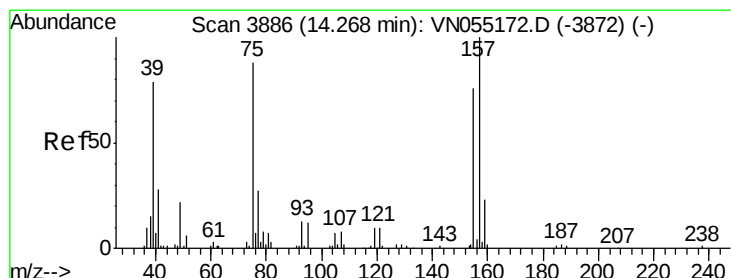
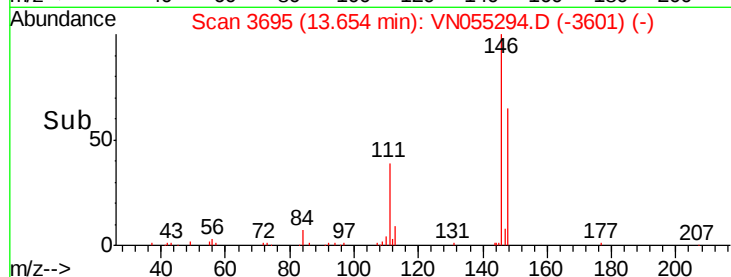
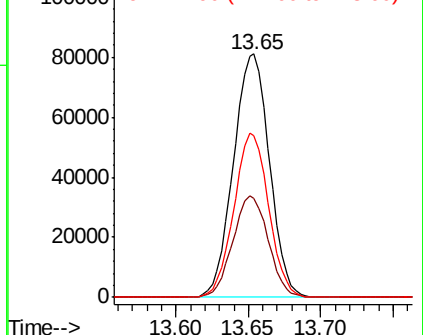
148 65.0 32.4 97.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.595 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

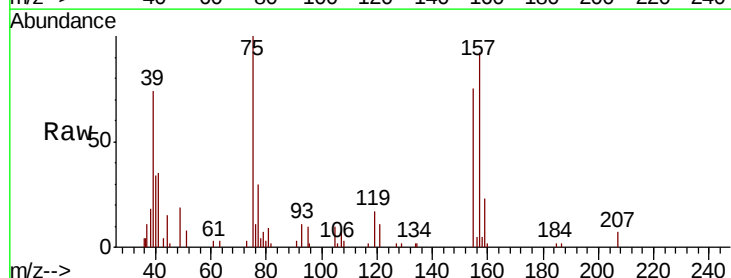
Tgt Ion: 75 Resp: 13802

Ion Ratio Lower Upper

75 100

155 74.8 41.5 124.6

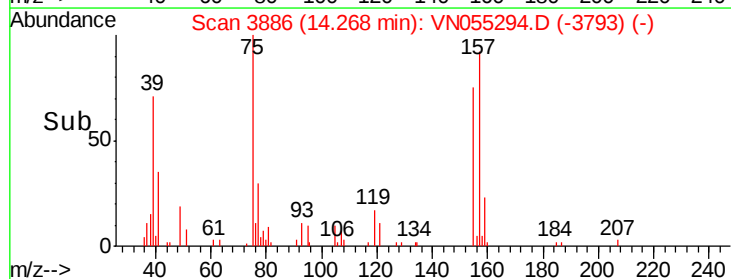
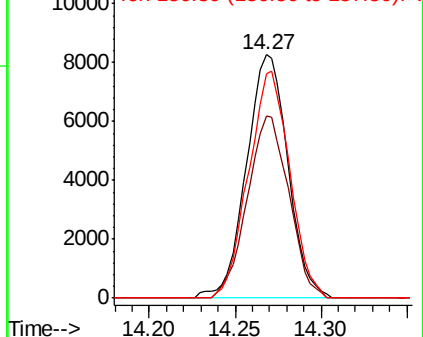
157 92.5 54.0 162.2

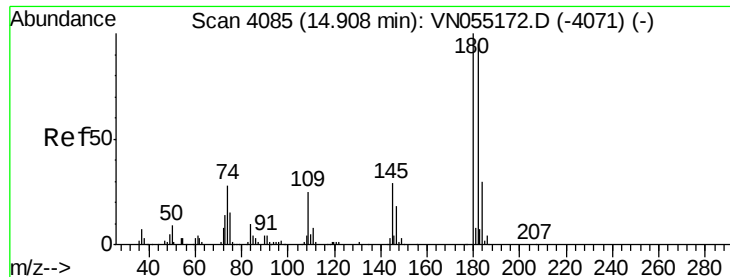


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

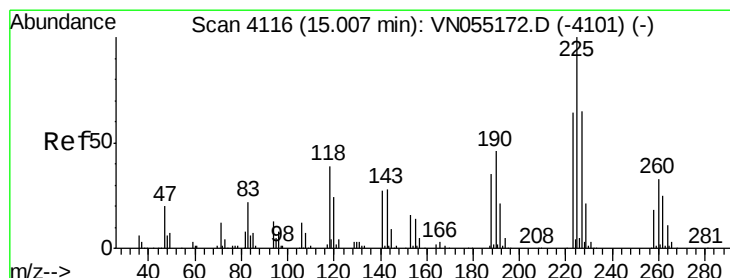
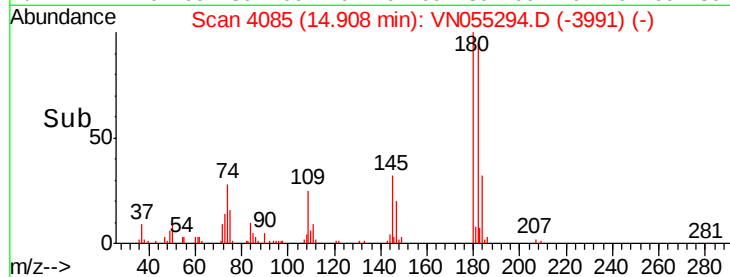
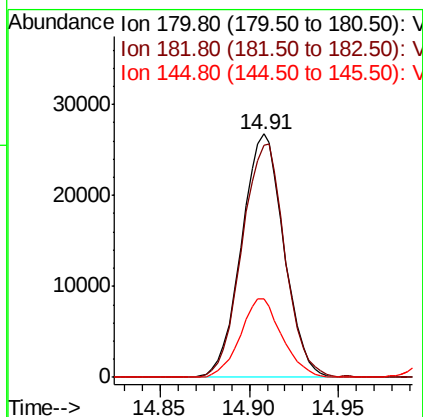
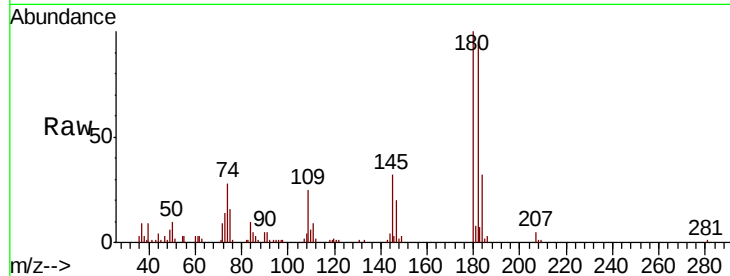




#93
 1,2,4-Trichlorobenzene
 Concen: 18.166 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

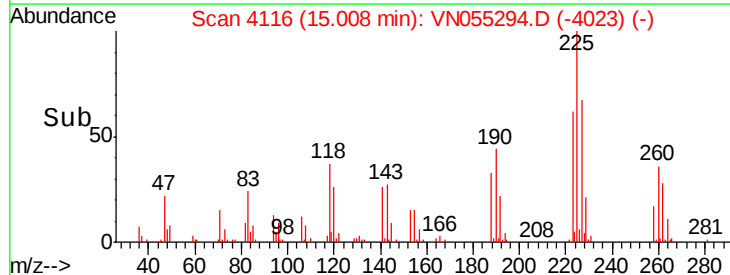
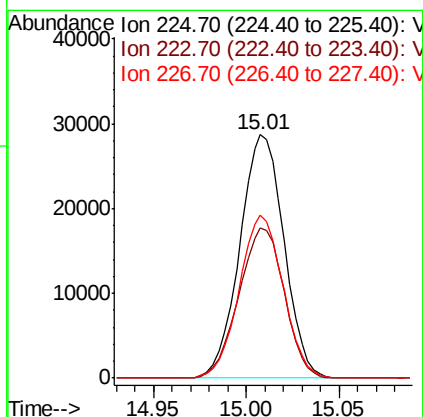
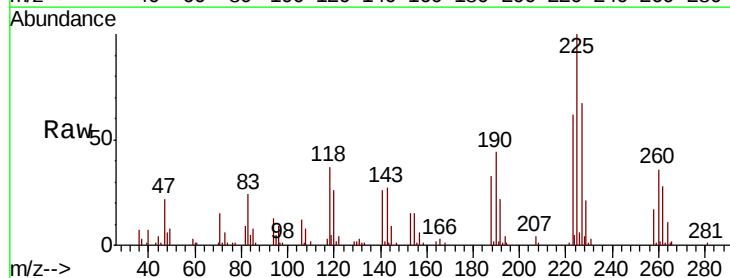
Instrument :
 MSVOA_N
 ClientSampled :
 VN0429WBSD01

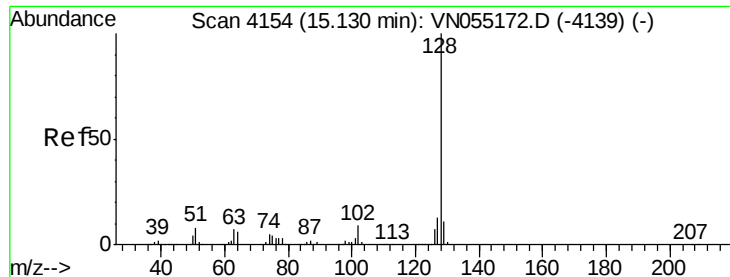
Tgt Ion:180 Resp: 44370
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.3 144.9
 145 31.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 20.700 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion:225 Resp: 47557
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.3 90.8
 227 66.6 30.9 92.7

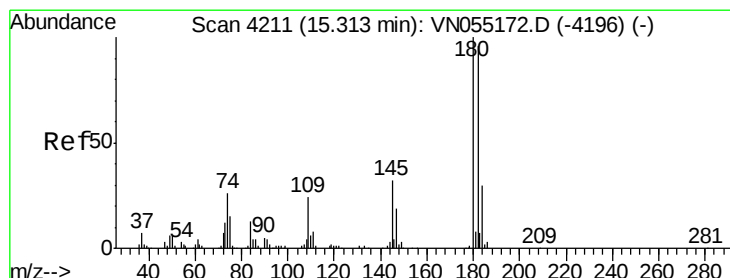
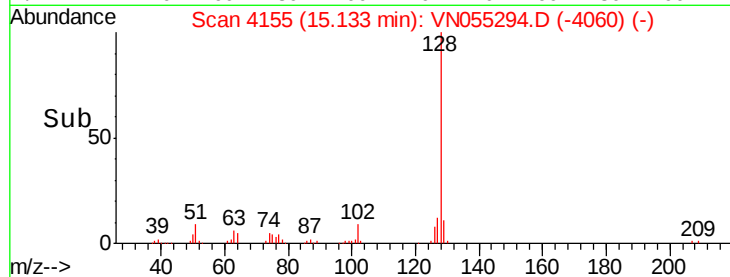
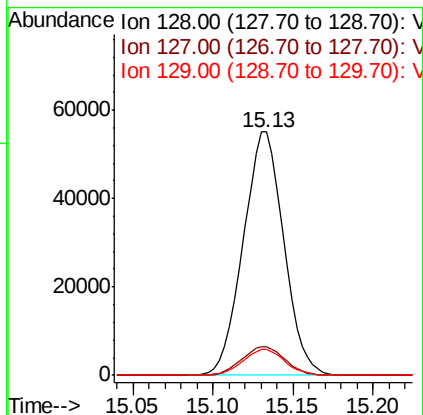
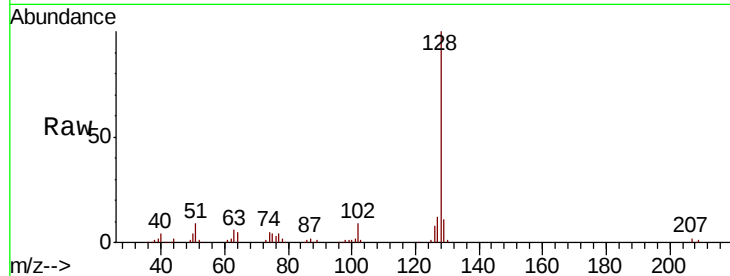




#95
Naphthalene
Concen: 18.406 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tgt Ion:128 Resp: 95769
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.382 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion:180 Resp: 48599
Ion Ratio Lower Upper
180 100
182 96.5 48.3 144.9
145 30.6 15.2 45.6

