

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057899.D
 Acq On : 11 Sep 2019 5:32
 Operator : JC/SP
 Sample : VN0911WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Quant Time: Sep 11 07:15:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	522950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278196	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	328482	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.58	113	234875	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.08	98	962531	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	329894	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	86907	19.855	ug/l	99
3) Chloromethane	2.03	50	82841	18.569	ug/l	98
4) Vinyl Chloride	2.16	62	86444	18.308	ug/l	97
5) Bromomethane	2.54	94	45585	16.551	ug/l	95
6) Chloroethane	2.68	64	56465	18.767	ug/l	98
7) Trichlorofluoromethane	2.99	101	107754	18.135	ug/l	96
8) Diethyl Ether	3.39	74	46516	18.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71211	18.998	ug/l	98
10) Methyl Iodide	3.93	142	53719	12.879	ug/l	98
11) Tert butyl alcohol	4.77	59	79161	102.028	ug/l	100
12) 1,1-Dichloroethene	3.71	96	63488	18.838	ug/l	96
13) Acrolein	3.59	56	46759	71.035	ug/l	99
14) Allyl chloride	4.30	41	111595	16.920	ug/l	99
15) Acrylonitrile	4.96	53	208703	97.864	ug/l	99
16) Acetone	3.80	43	180708	85.991	ug/l	99
17) Carbon Disulfide	4.03	76	89223	17.115	ug/l	99
18) Methyl Acetate	4.31	43	116834	20.851	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	283706	20.228	ug/l	98
20) Methylene Chloride	4.53	84	84359	20.357	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67178	18.439	ug/l	94
22) Diisopropyl ether	5.93	45	308987	19.977	ug/l	98
23) Vinyl Acetate	5.87	43	1071284	97.731	ug/l	100
24) 1,1-Dichloroethane	5.83	63	165215	19.545	ug/l	99
25) 2-Butanone	6.82	43	290283	95.438	ug/l	99
26) 2,2-Dichloropropane	6.81	77	81326	12.157	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95781	19.618	ug/l	94
28) Bromochloromethane	7.18	49	82897	19.629	ug/l	98
29) Tetrahydrofuran	7.20	42	183522	97.918	ug/l	100
30) Chloroform	7.36	83	174332	19.724	ug/l	99
31) Cyclohexane	7.64	56	119800	19.430	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	131983	18.828	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108158	17.834	ug/l	99
37) Ethyl Acetate	6.91	43	118063	18.842	ug/l	100
38) Carbon Tetrachloride	7.76	117	104050	18.791	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113236	17.761	ug/l	97
40) Benzene	8.03	78	346209	18.961	ug/l	98
41) Methacrylonitrile	7.16	41	57200	20.110	ug/l #	90
42) 1,2-Dichloroethane	8.11	62	144066	19.728	ug/l	99
43) Isopropyl Acetate	8.15	43	203896	19.349	ug/l #	91
44) Trichloroethene	8.82	130	84924	18.963	ug/l	96
45) 1,2-Dichloropropane	9.11	63	102062	19.209	ug/l	97
46) Dibromomethane	9.20	93	62878	19.584	ug/l	100
47) Bromodichloromethane	9.40	83	123146	19.208	ug/l	98
48) Methyl methacrylate	9.19	41	102488	19.173	ug/l	99
49) 1,4-Dioxane	9.19	88	35774	395.755	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	646943	103.747	ug/l	99
52) Toluene	10.15	92	220842	19.203	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	114176	16.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	133202	17.870	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	95507	19.606	ug/l	98
56) Ethyl methacrylate	10.43	69	141253	19.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	166150	19.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	350757	101.518	ug/l	100
59) 2-Hexanone	10.75	43	460186	98.457	ug/l	100
60) Dibromochloromethane	10.90	129	82561	18.251	ug/l	98
61) 1,2-Dibromoethane	11.00	107	87997	19.107	ug/l	100
64) Tetrachloroethene	10.63	164	70568	19.245	ug/l	96
65) Chlorobenzene	11.43	112	250504	19.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84218	18.674	ug/l	99
67) Ethyl Benzene	11.51	91	441944	19.403	ug/l	100
68) m/p-Xylenes	11.62	106	320575	38.423	ug/l	99
69) o-Xylene	11.95	106	158702	19.133	ug/l	97
70) Styrene	11.97	104	276832	19.393	ug/l	98
71) Bromoform	12.13	173	49045	17.443	ug/l #	100
73) Isopropylbenzene	12.25	105	447353	20.723	ug/l	100
74) N-amyl acetate	12.07	43	183479	19.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	144735	19.913	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	163535	25.986	ug/l #	100
77) Bromobenzene	12.53	156	105074	19.523	ug/l	96
78) n-propylbenzene	12.59	91	517206	20.865	ug/l	100
79) 2-Chlorotoluene	12.68	91	303910	19.398	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	376481	20.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25408	14.207	ug/l #	84
82) 4-Chlorotoluene	12.78	91	320016	19.890	ug/l	100
83) tert-Butylbenzene	13.00	119	324469	20.012	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	380695	20.536	ug/l	99
85) sec-Butylbenzene	13.18	105	442439	20.588	ug/l	100
86) p-Isopropyltoluene	13.29	119	390596	20.629	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194503	19.689	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191663	19.113	ug/l	99
89) n-Butylbenzene	13.62	91	351862	19.678	ug/l	99
90) Hexachloroethane	13.88	117	51053	18.130	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189341	19.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23397	19.492	ug/l	97

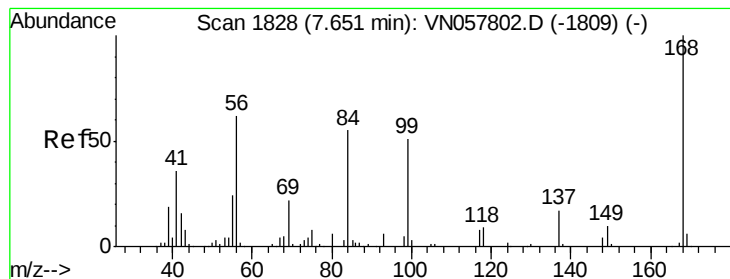
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114065	17.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	50471	18.457	ug/l	98
95) Naphthalene	15.13	128	333879	19.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	108779	19.928	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

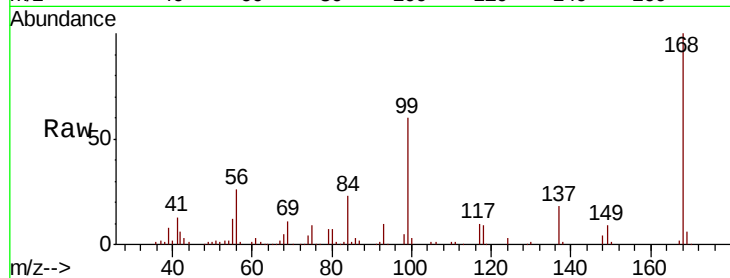
VN0911WBS02

Tgt Ion: 168 Resp: 316503

Ion Ratio Lower Upper

168 100

99 59.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

150000

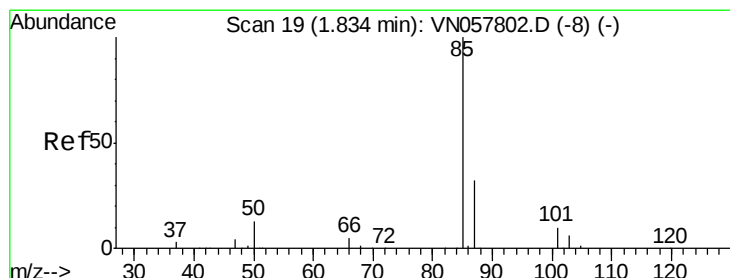
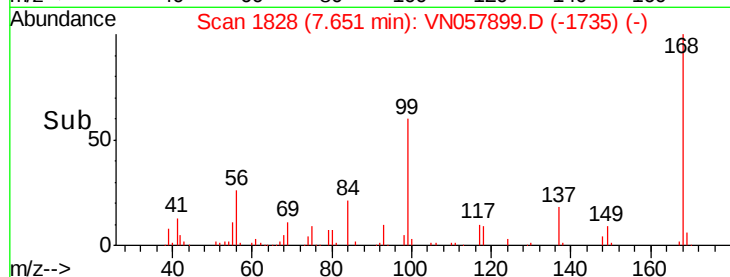
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.855 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057899.D

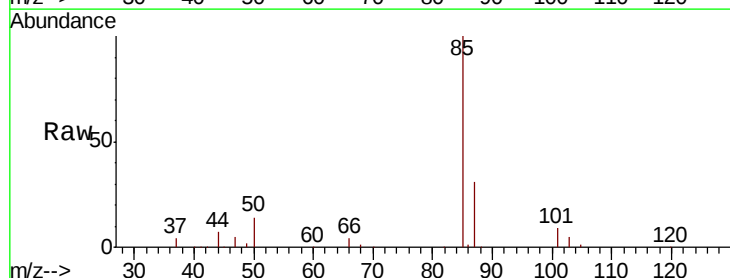
Acq: 11 Sep 2019 5:32

Tgt Ion: 85 Resp: 86907

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN057802.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN057802.D (-8) (-)

1.83

60000

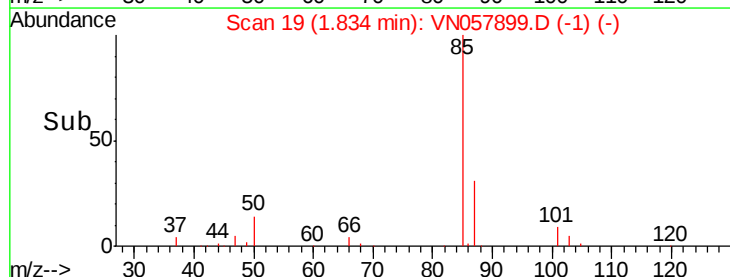
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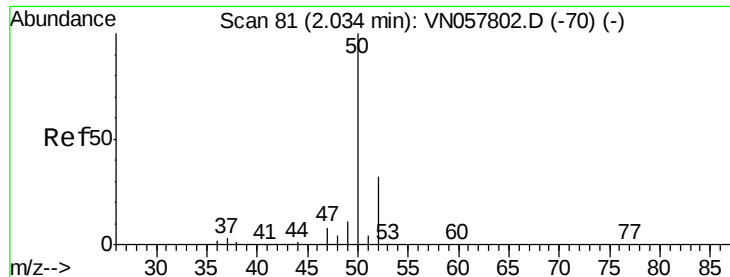
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.569 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

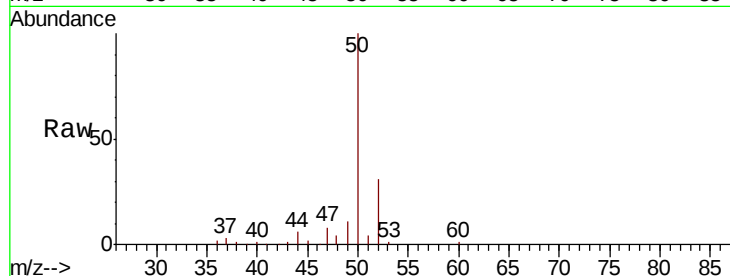
VN0911WBS02

Tgt Ion: 50 Resp: 82841

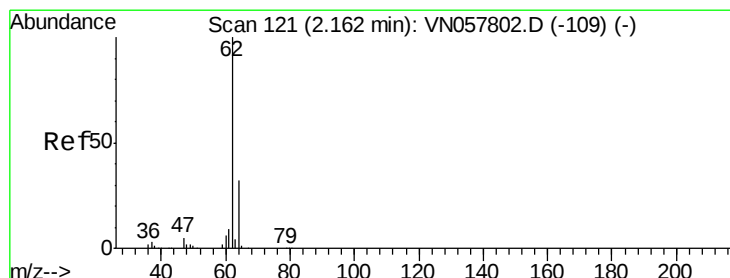
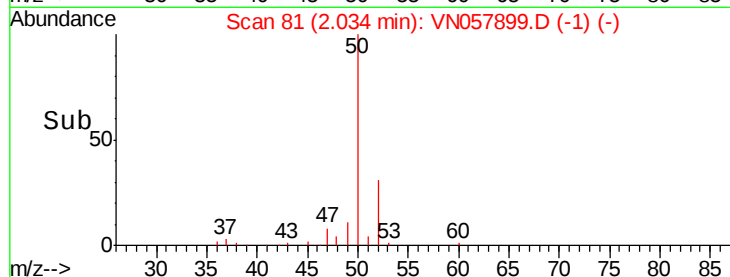
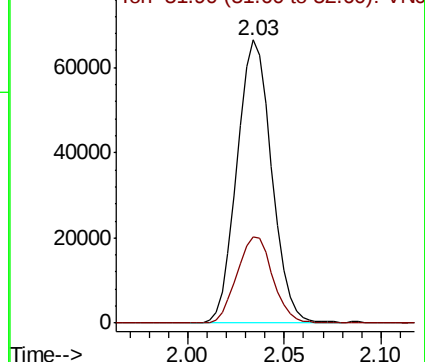
Ion Ratio Lower Upper

50 100

52 30.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.308 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057899.D

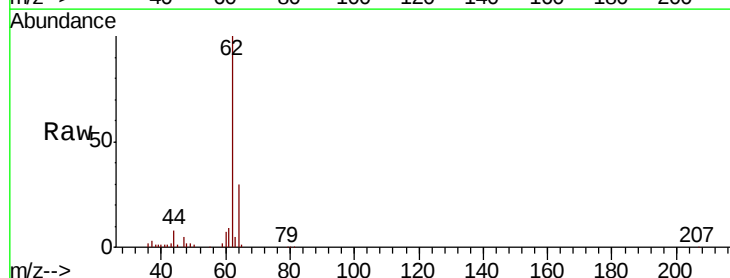
Acq: 11 Sep 2019 5:32

Tgt Ion: 62 Resp: 86444

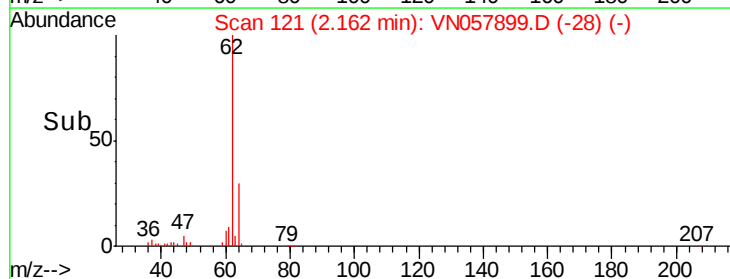
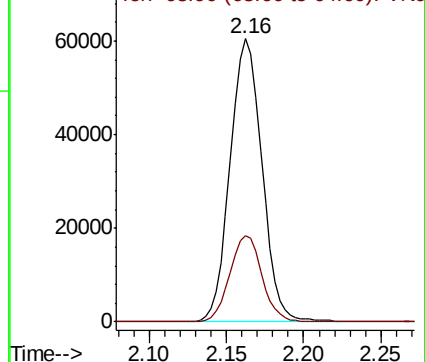
Ion Ratio Lower Upper

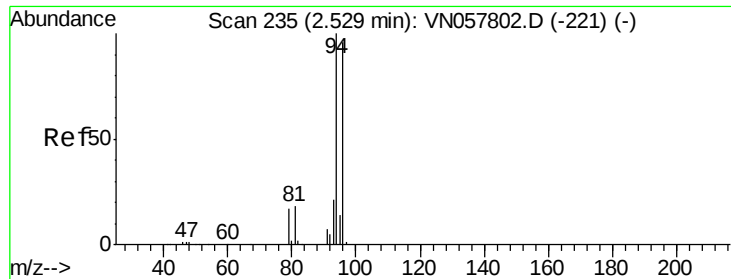
62 100

64 30.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.551 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampled :

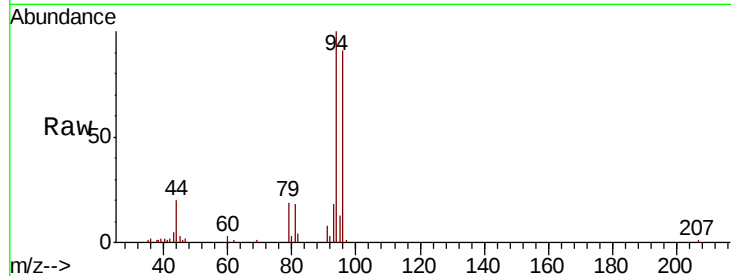
VN0911WBS02

Tgt Ion: 94 Resp: 45585

Ion Ratio Lower Upper

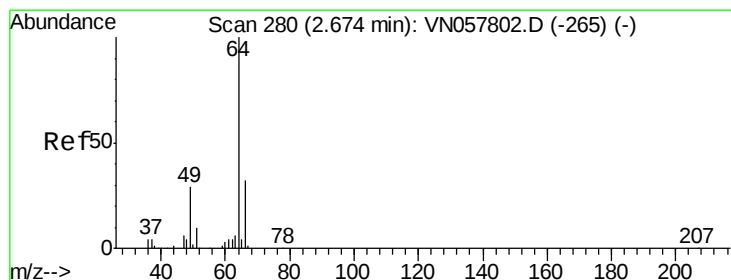
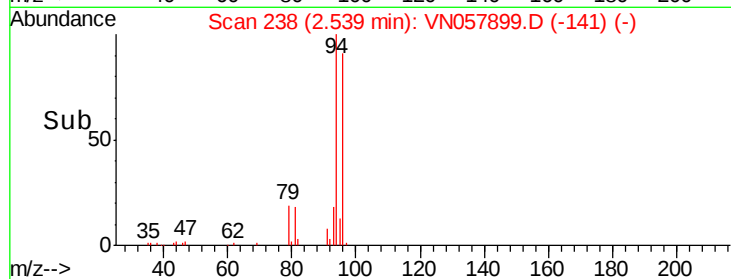
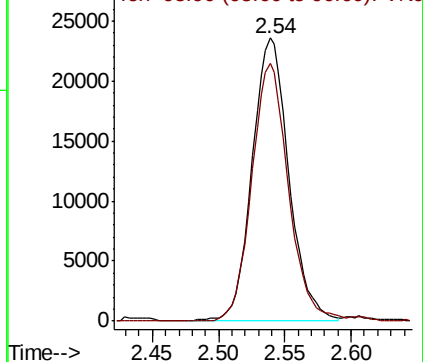
94 100

96 91.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.767 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057899.D

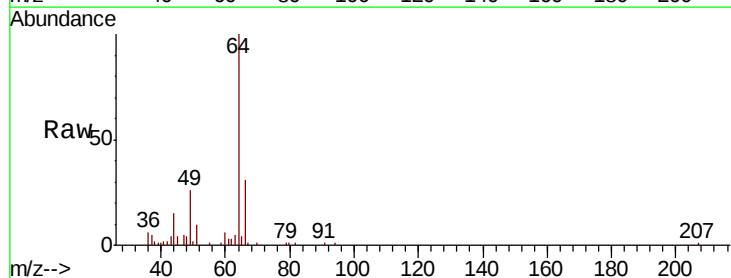
Acq: 11 Sep 2019 5:32

Tgt Ion: 64 Resp: 56465

Ion Ratio Lower Upper

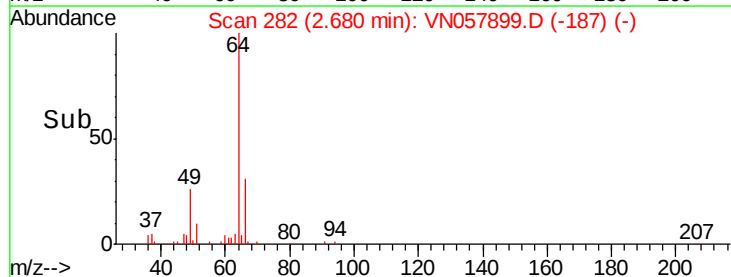
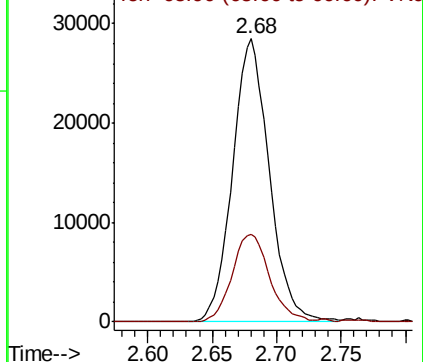
64 100

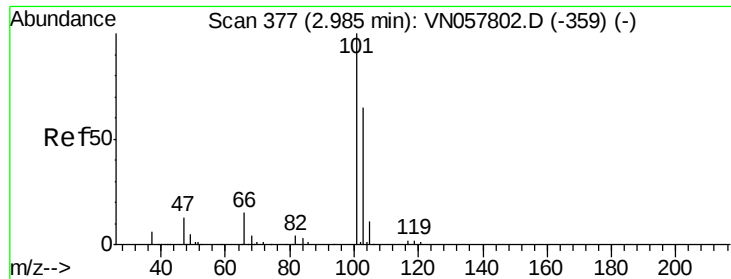
66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



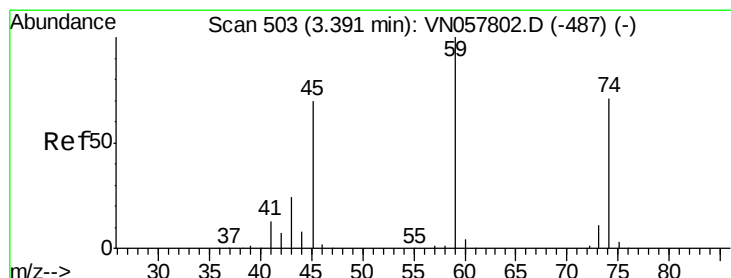
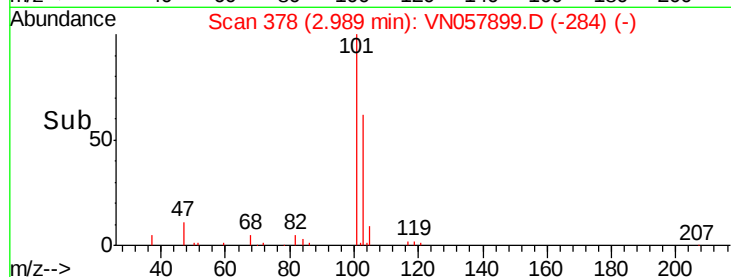
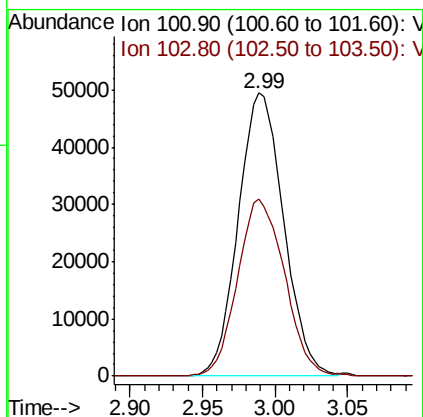
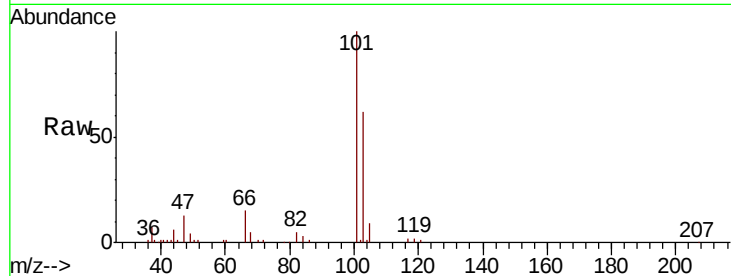


#7

Trichlorofluoromethane
Concen: 18.135 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

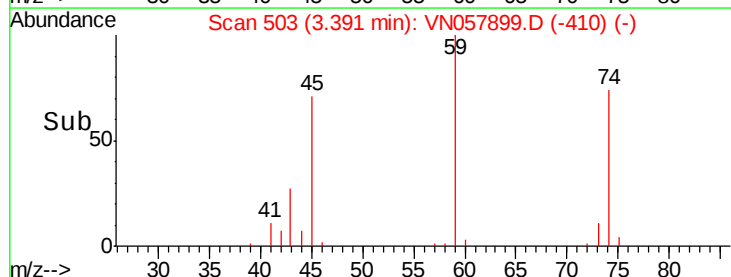
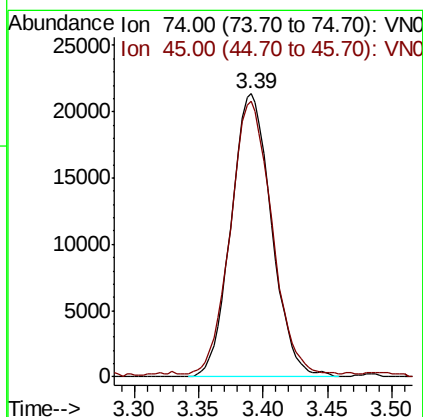
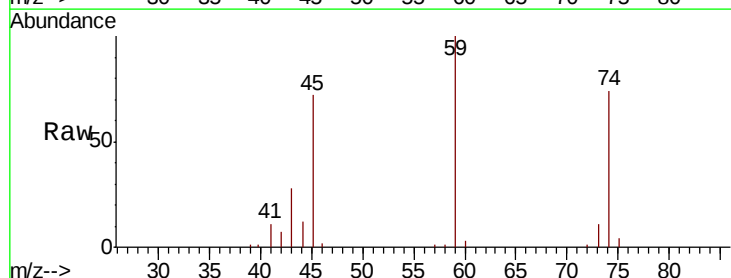
Tgt Ion:101 Resp: 107754
Ion Ratio Lower Upper
101 100
103 62.0 51.9 77.9

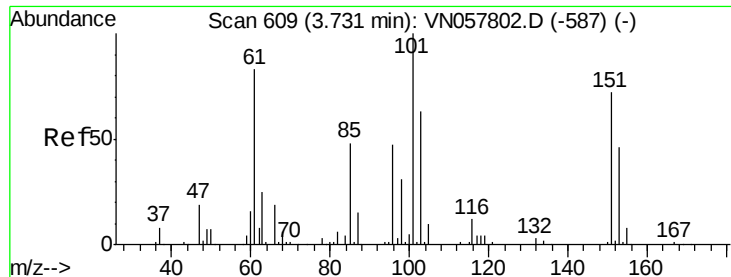


#8

Diethyl Ether
Concen: 18.770 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 74 Resp: 46516
Ion Ratio Lower Upper
74 100
45 98.4 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.998 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

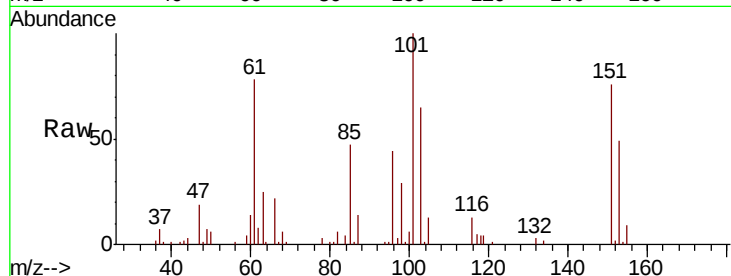
Tgt Ion:101 Resp: 71211

Ion Ratio Lower Upper

101 100

85 47.3 38.1 57.1

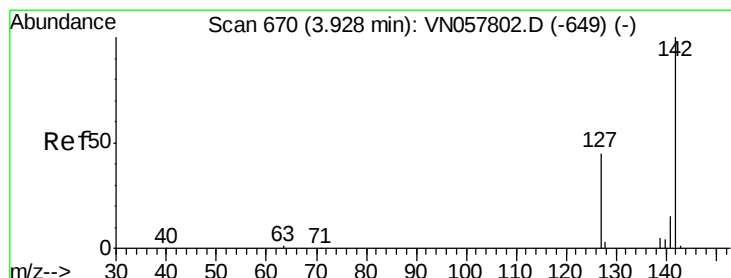
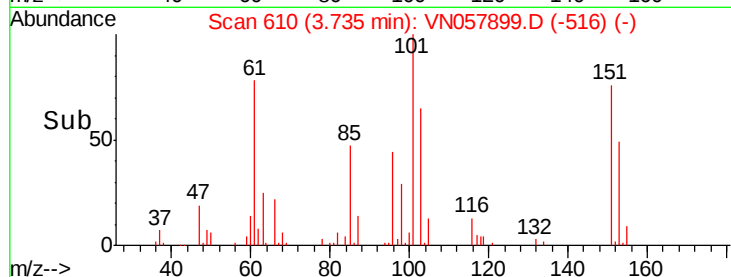
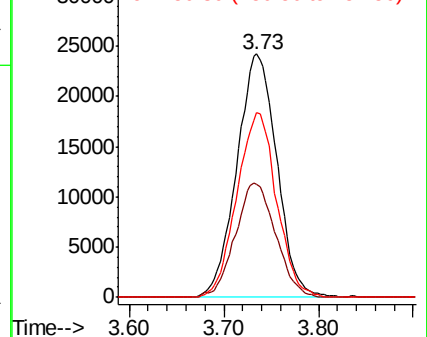
151 75.1 58.4 87.6



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: 12.879 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

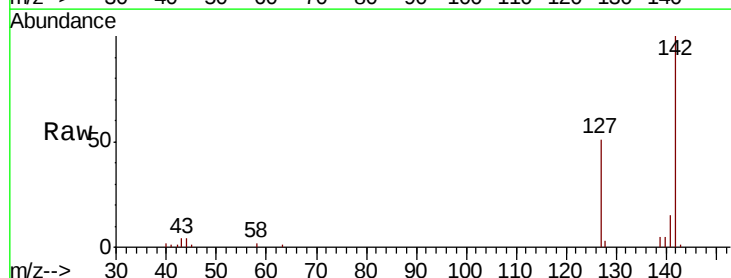
Tgt Ion:142 Resp: 53719

Ion Ratio Lower Upper

142 100

127 47.6 36.7 55.1

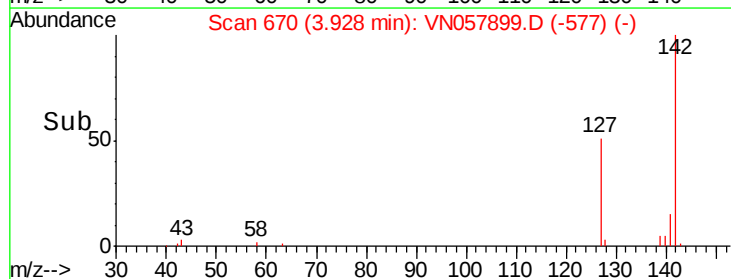
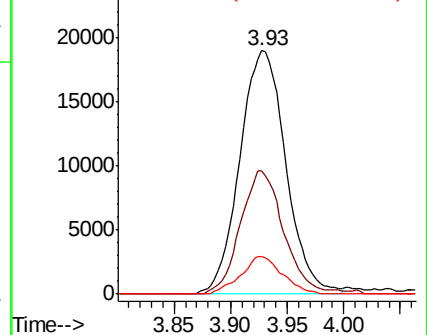
141 13.9 11.4 17.0

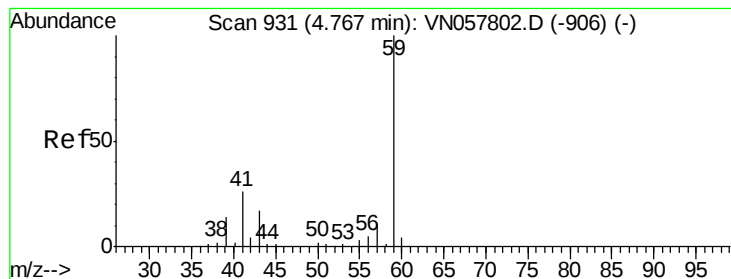


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



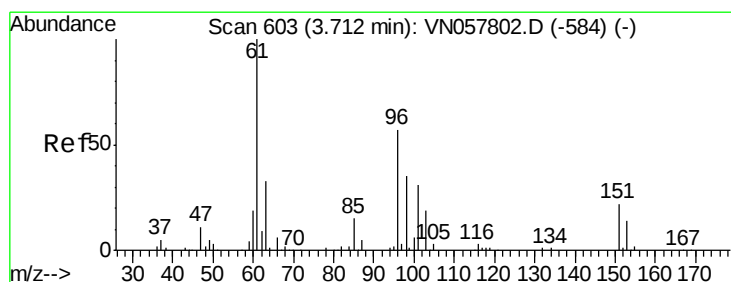
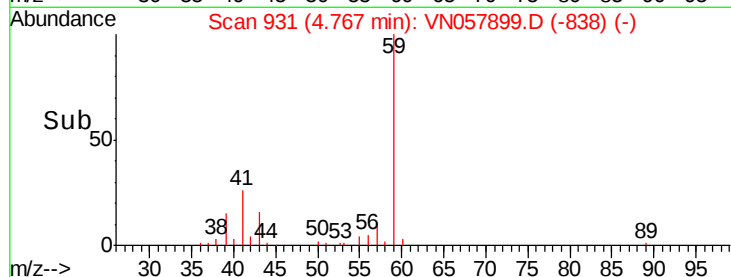
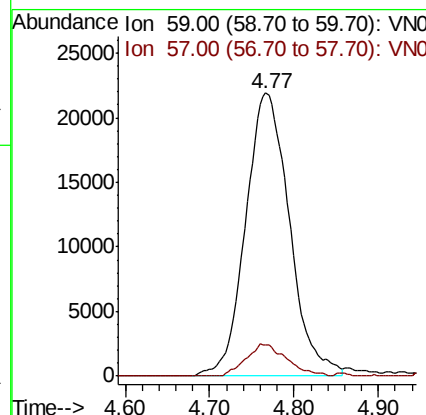
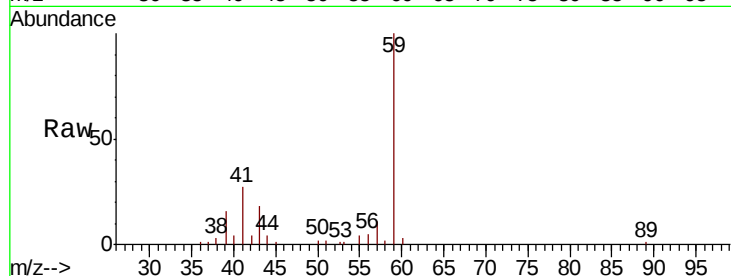


#11

Tert butyl alcohol
 Concen: 102.028 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

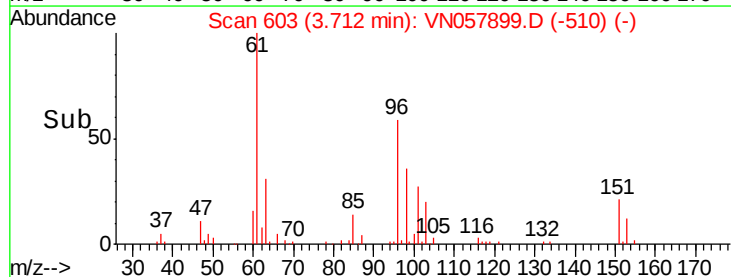
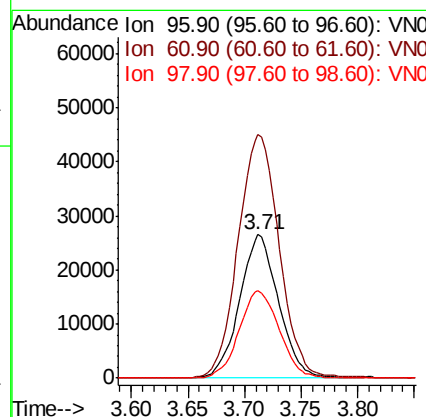
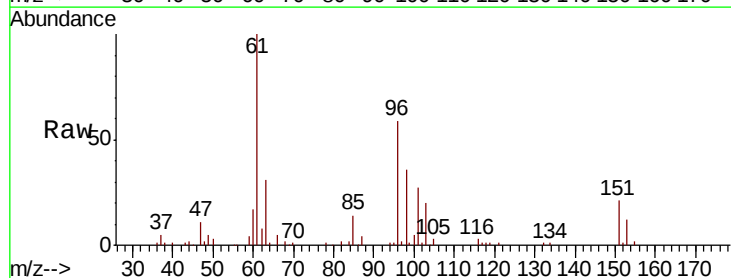
Tgt Ion: 59 Resp: 79161
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

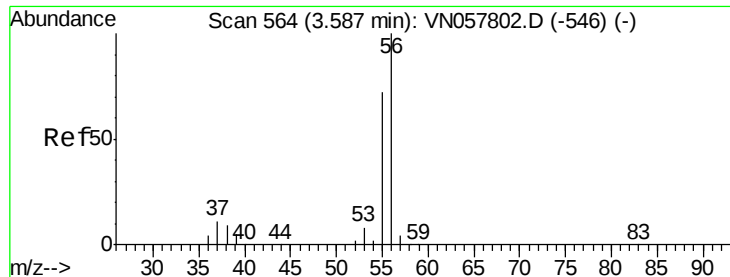


#12

1,1-Dichloroethene
 Concen: 18.838 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 96 Resp: 63488
 Ion Ratio Lower Upper
 96 100
 61 169.8 141.2 211.8
 98 61.3 49.9 74.9





#13

Acrolein

Concen: 71.035 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

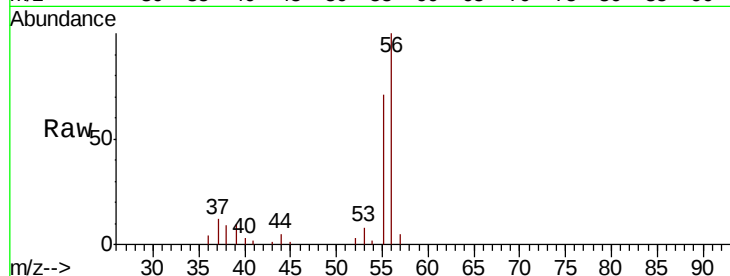
VN0911WBS02

Tgt Ion: 56 Resp: 46759

Ion Ratio Lower Upper

56 100

55 70.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

20000

15000

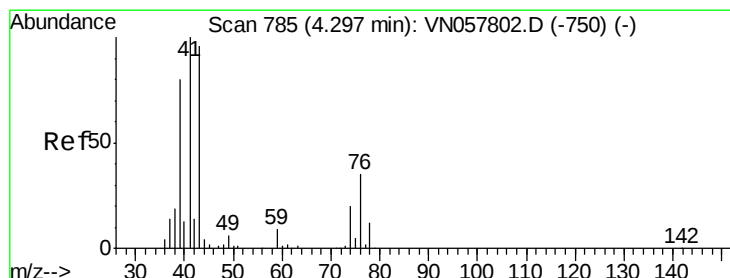
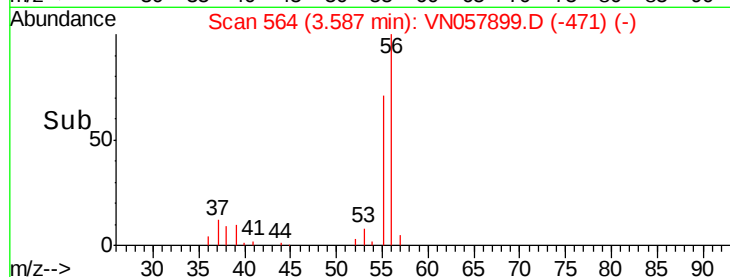
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 16.920 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

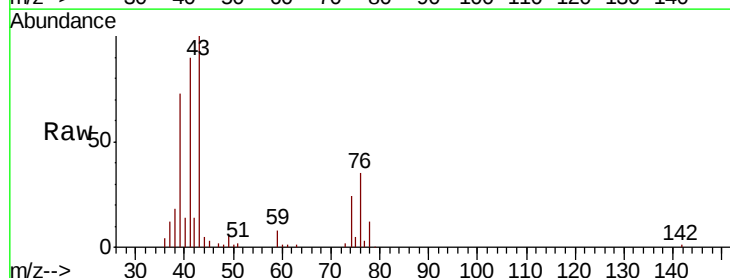
Tgt Ion: 41 Resp: 111595

Ion Ratio Lower Upper

41 100

39 75.7 59.4 89.2

76 32.0 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

40000

30000

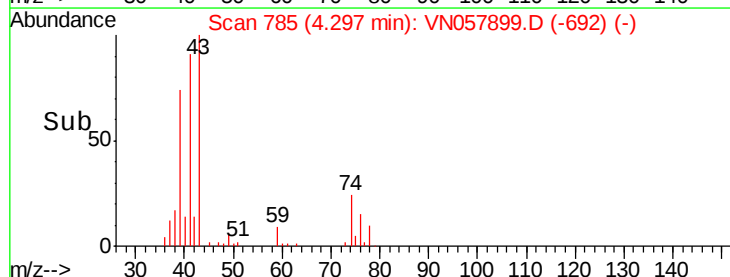
20000

10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 97.864 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

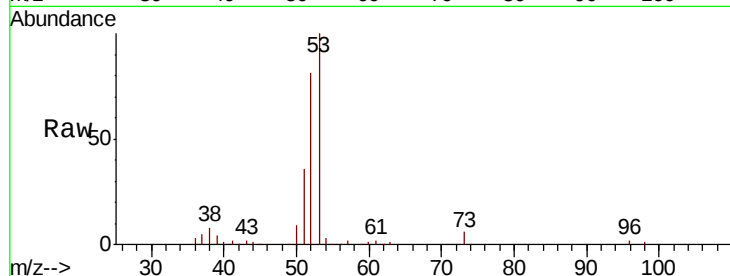
Tgt Ion: 53 Resp: 208703

Ion Ratio Lower Upper

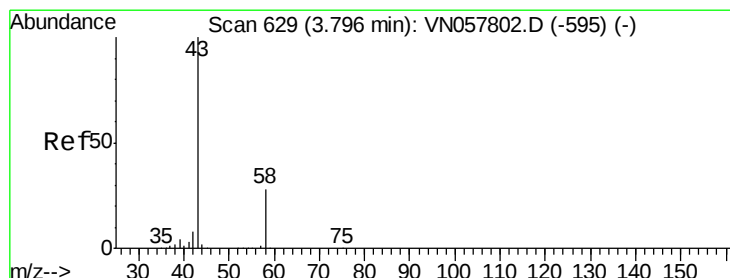
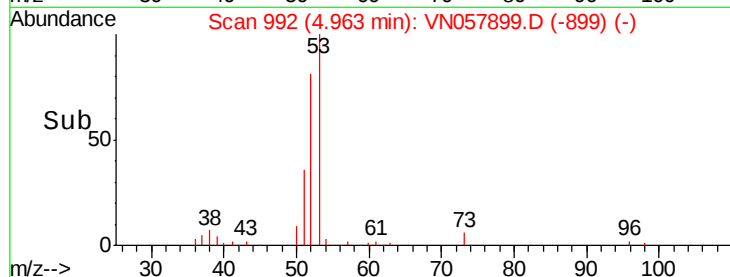
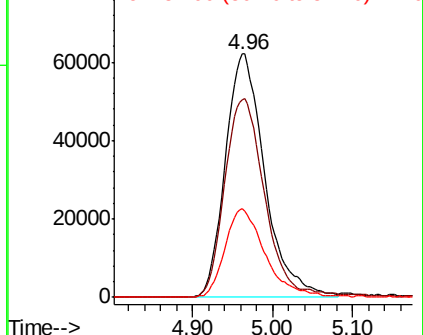
53 100

52 82.8 66.6 100.0

51 36.9 29.8 44.8



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: 85.991 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057899.D

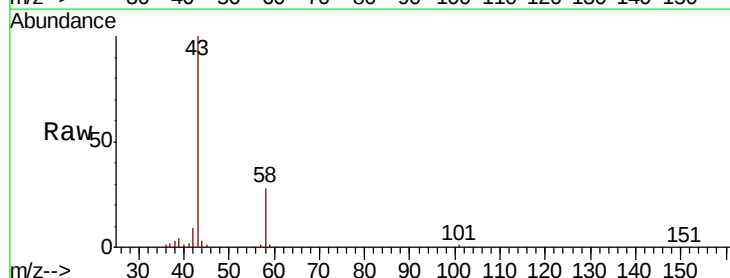
Acq: 11 Sep 2019 5:32

Tgt Ion: 43 Resp: 180708

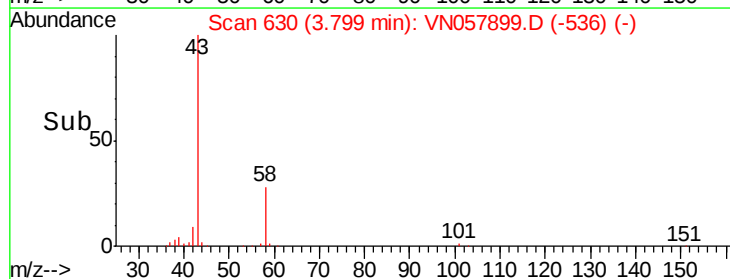
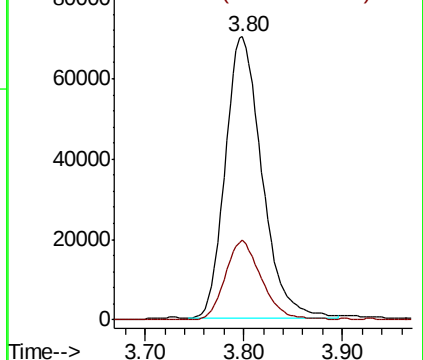
Ion Ratio Lower Upper

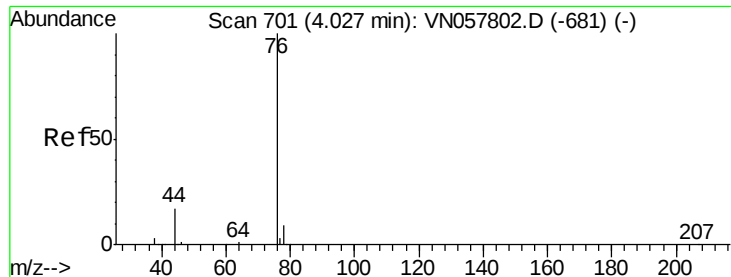
43 100

58 28.3 22.2 33.2



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

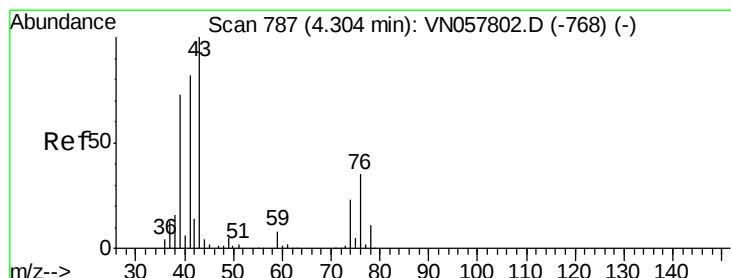
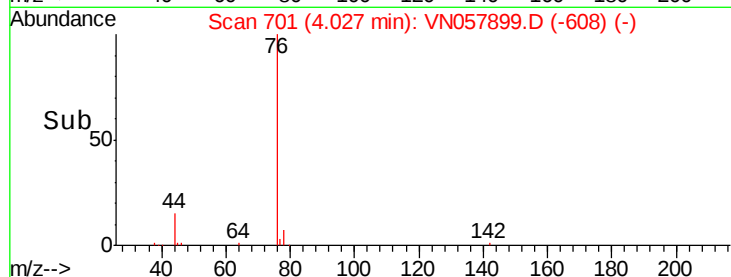
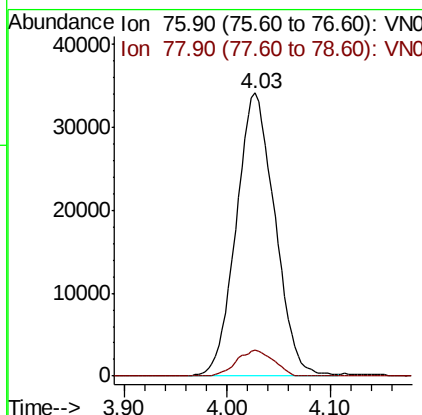
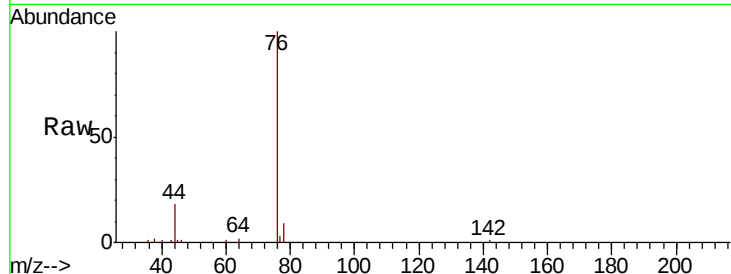




#17
Carbon Disulfide
Concen: 17.115 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

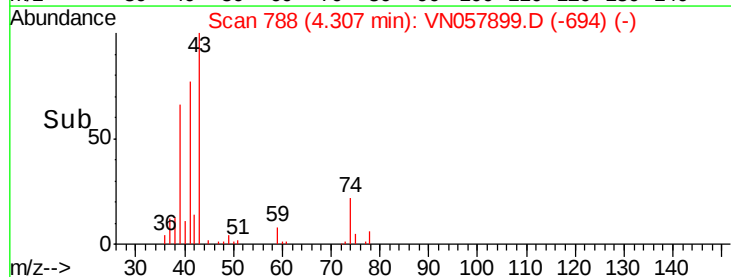
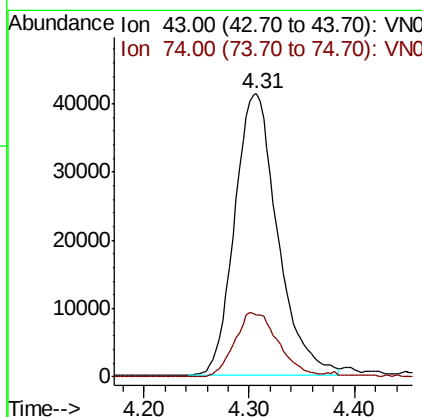
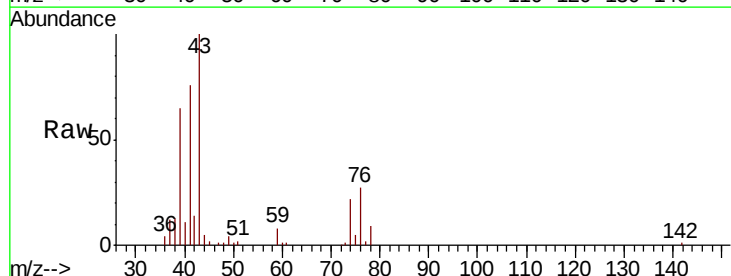
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

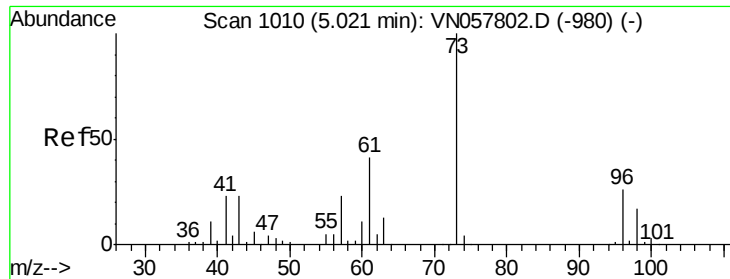
Tgt Ion: 76 Resp: 89223
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 20.851 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 43 Resp: 116834
Ion Ratio Lower Upper
43 100
74 23.1 17.9 26.9

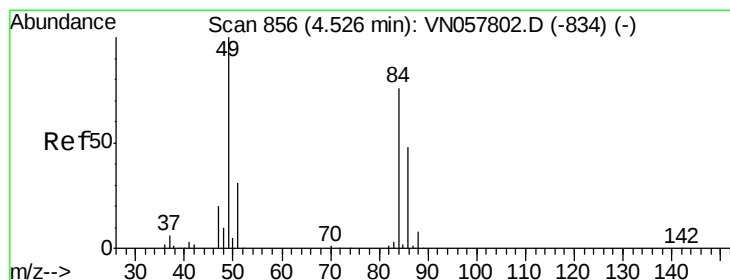
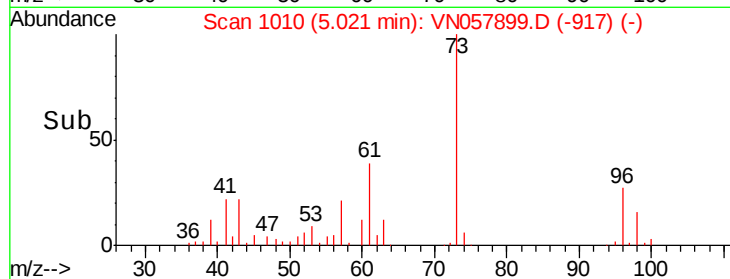
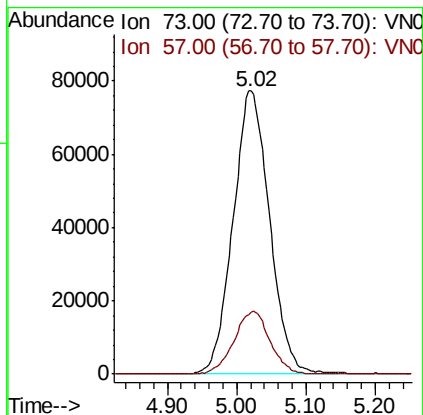
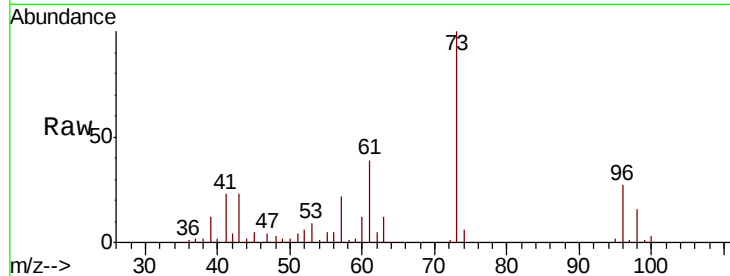




#19
Methyl tert-butyl Ether
Concen: 20.228 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

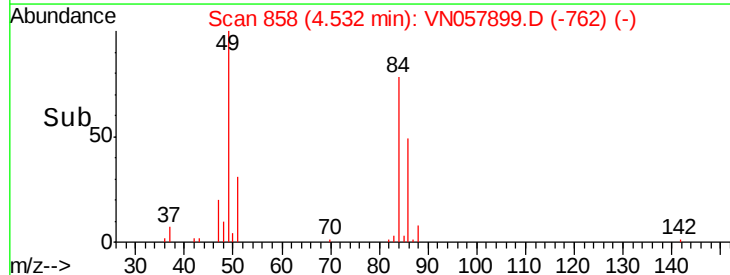
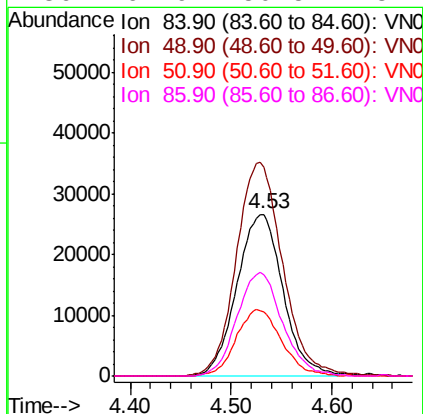
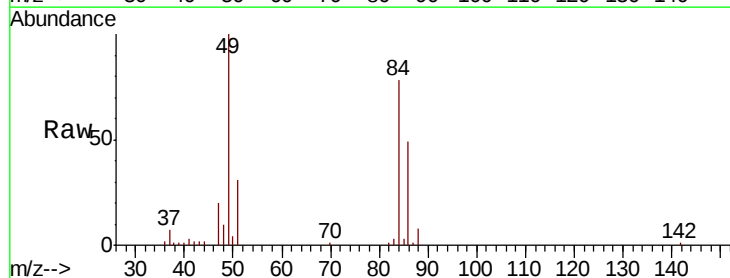
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

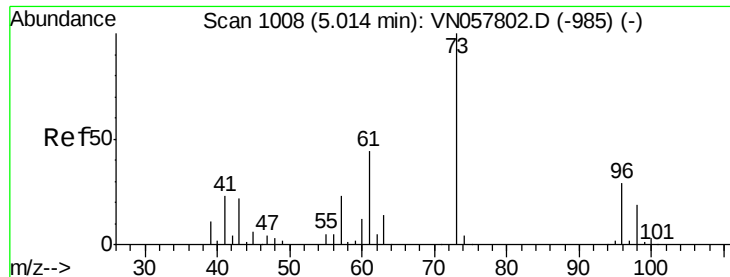
Tgt Ion: 73 Resp: 283706
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2



#20
Methylene Chloride
Concen: 20.357 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 84 Resp: 84359
Ion Ratio Lower Upper
84 100
49 128.0 104.8 157.2
51 39.7 33.0 49.4
86 62.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.439 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

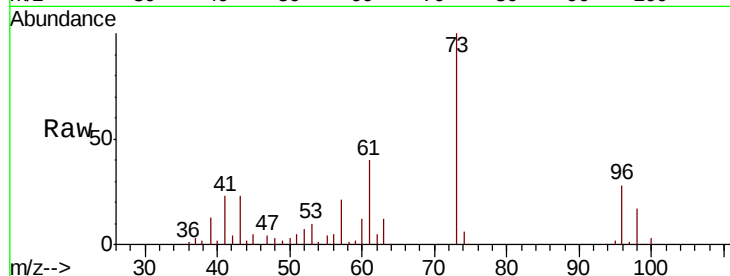
Tgt Ion: 96 Resp: 67178

Ion Ratio Lower Upper

96 100

61 145.7 121.9 182.9

98 60.5 52.2 78.4

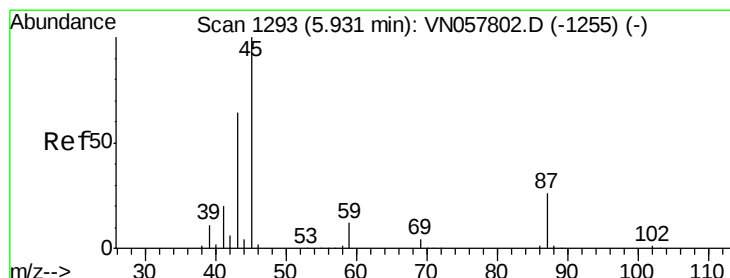
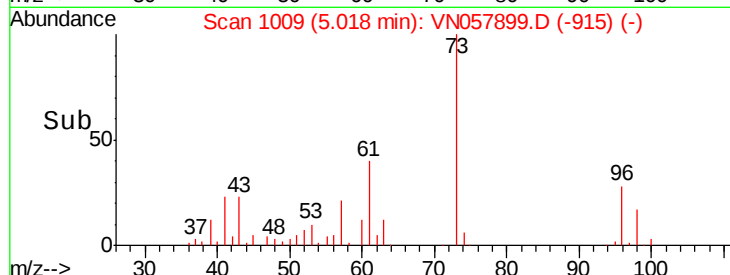
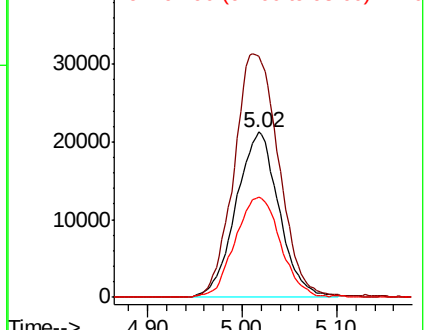


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.977 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion: 45 Resp: 308987

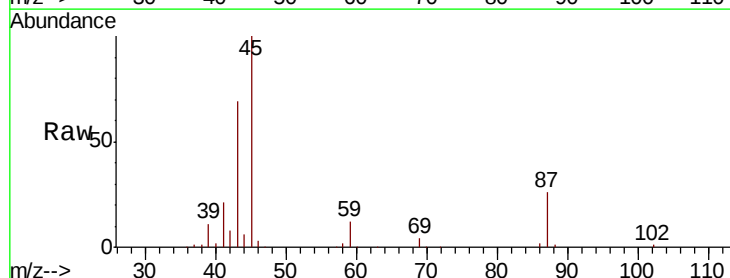
Ion Ratio Lower Upper

45 100

43 66.2 51.4 77.2

87 25.5 21.3 31.9

59 12.0 9.3 13.9



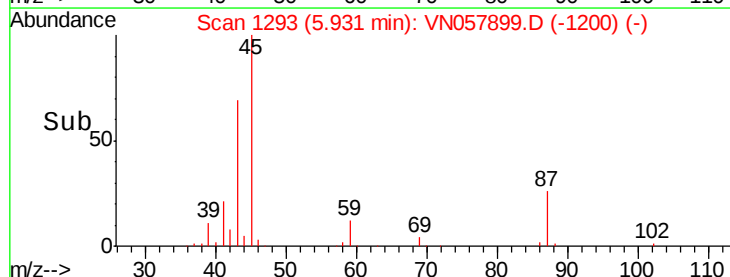
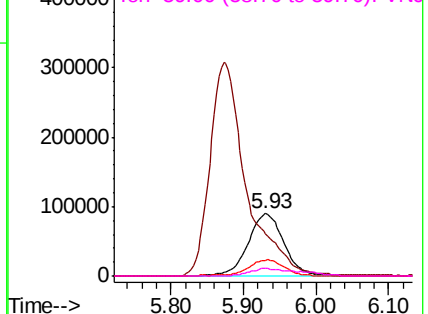
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 97.731 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

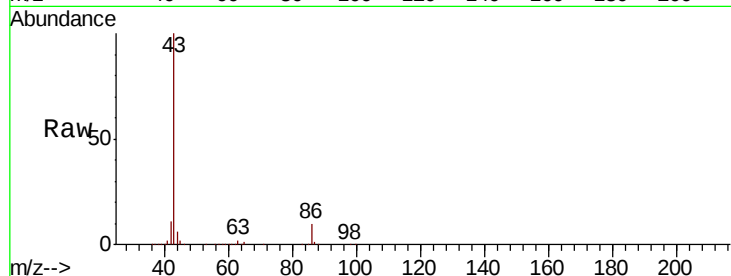
VN0911WBS02

Tgt Ion: 43 Resp: 1071284

Ion Ratio Lower Upper

43 100

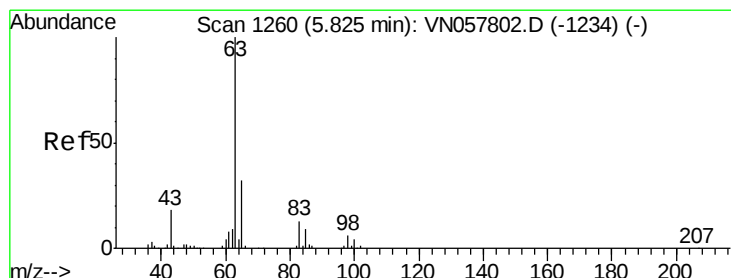
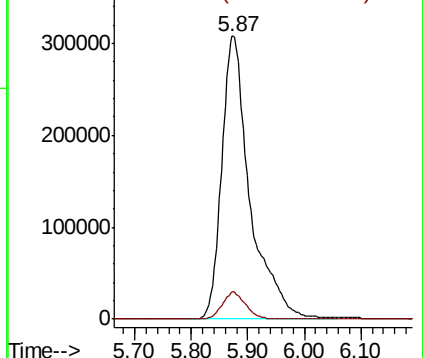
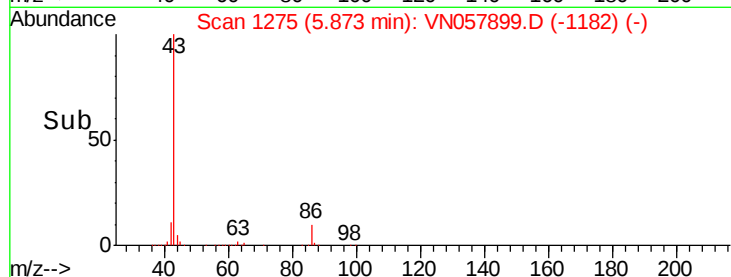
86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN057802.D (-1250) (-)

Time-->



#24

1,1-Dichloroethane

Concen: 19.545 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

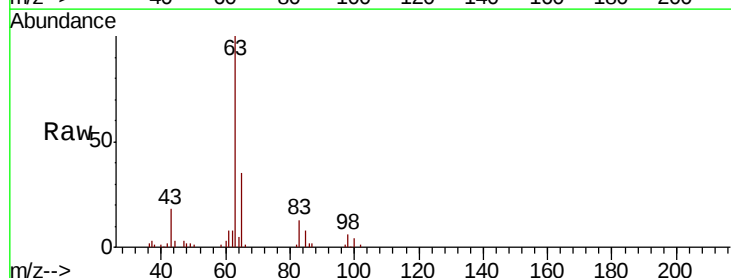
Tgt Ion: 63 Resp: 165215

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 4.1 2.0 5.8

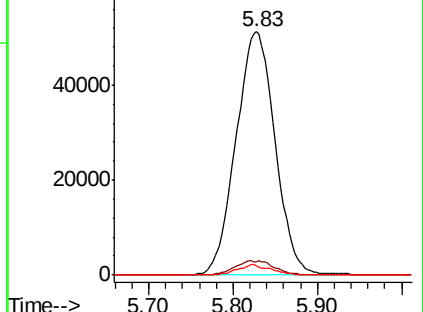
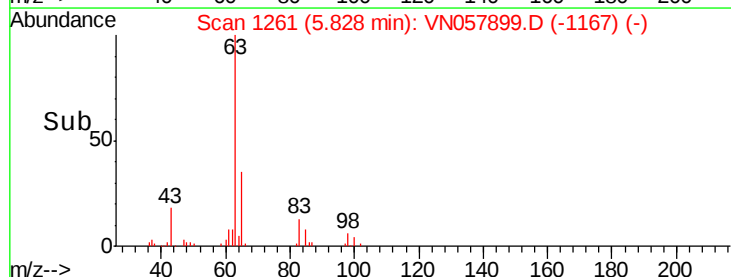


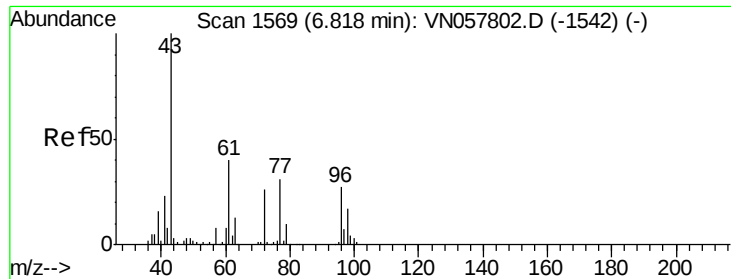
Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057802.D (-1234) (-)

Time-->

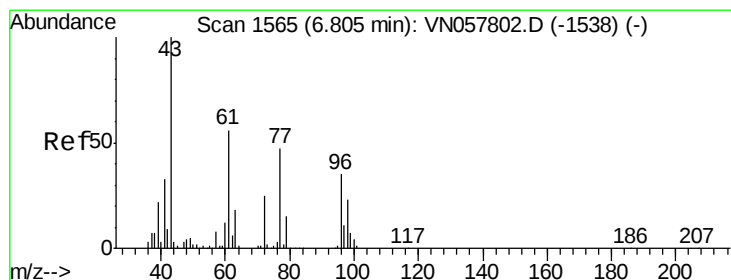
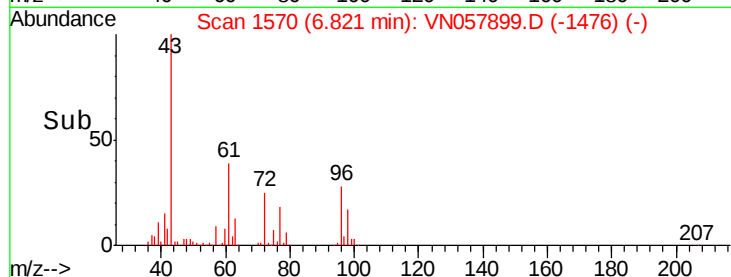
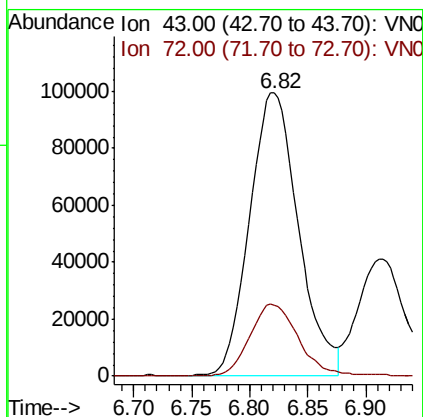
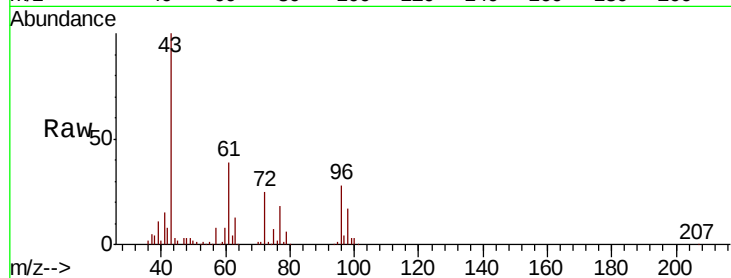




#25
 2-Butanone
 Concen: 95.438 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

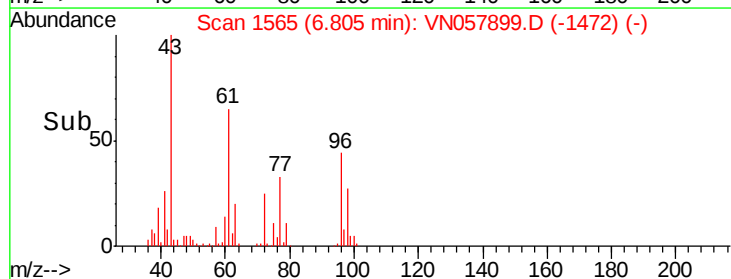
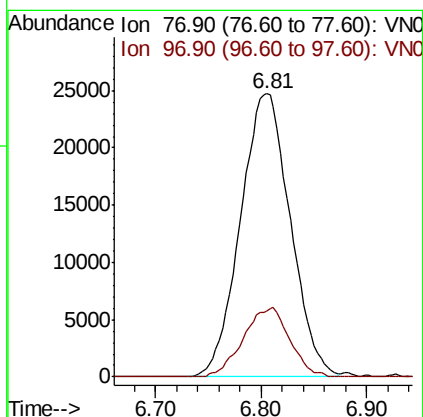
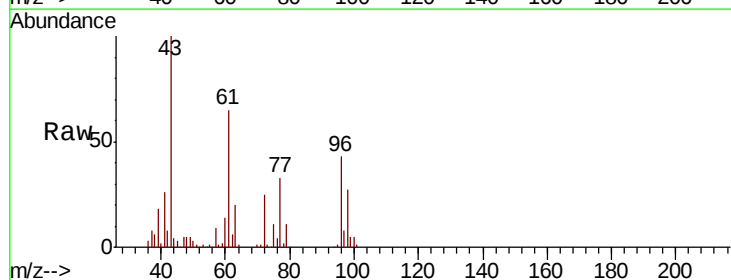
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

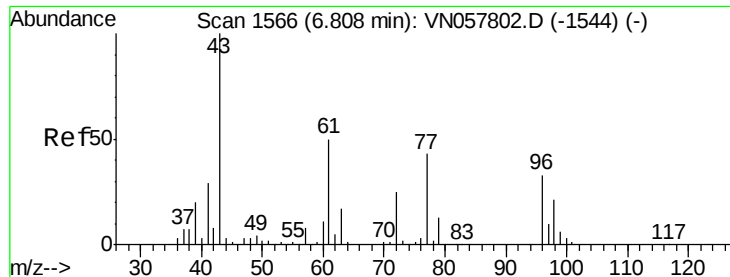
Tgt Ion: 43 Resp: 290283
 Ion Ratio Lower Upper
 43 100
 72 25.3 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 12.157 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 77 Resp: 81326
 Ion Ratio Lower Upper
 77 100
 97 22.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.618 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

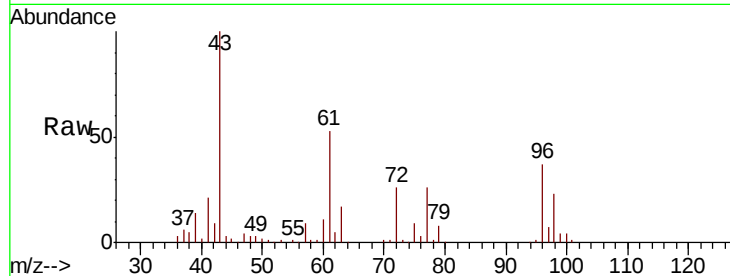
Tgt Ion: 96 Resp: 95781

Ion Ratio Lower Upper

96 100

61 148.3 0.0 314.0

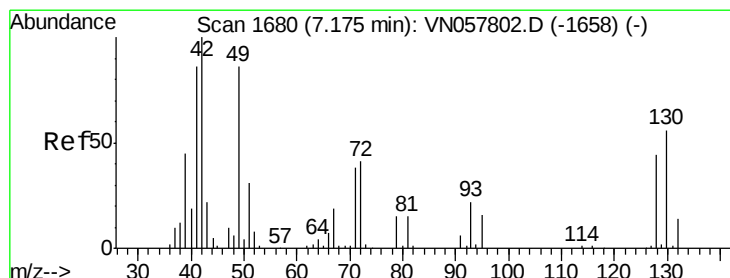
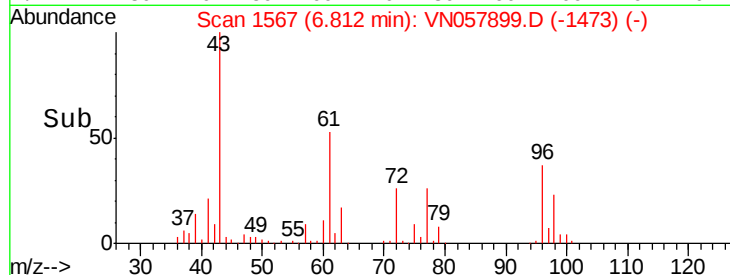
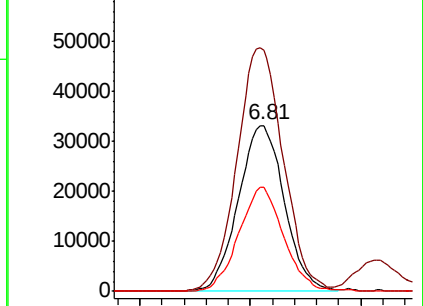
98 61.4 0.0 128.6



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: 19.629 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

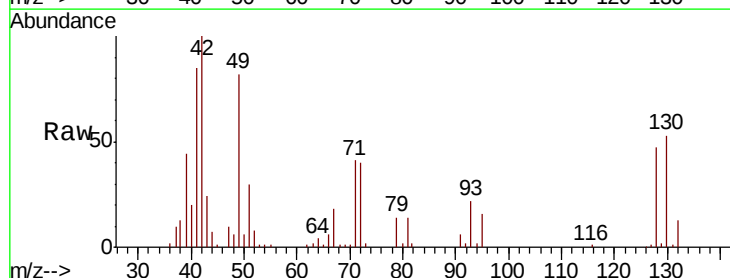
Tgt Ion: 49 Resp: 82897

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.8

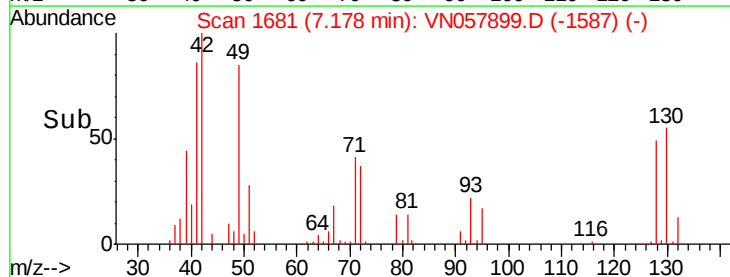
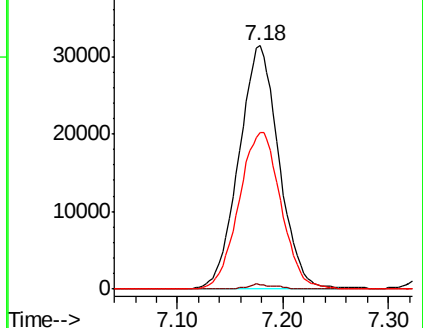
130 67.5 53.0 79.6

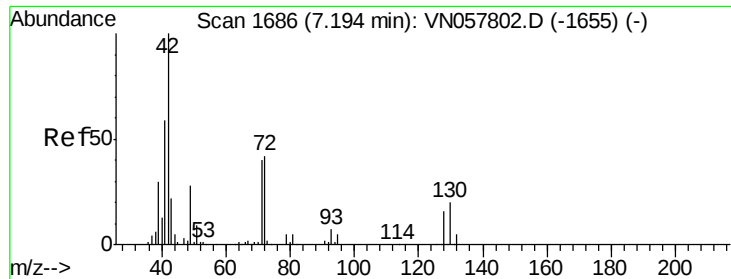


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

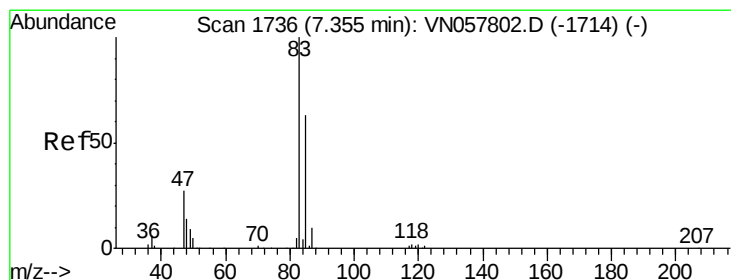
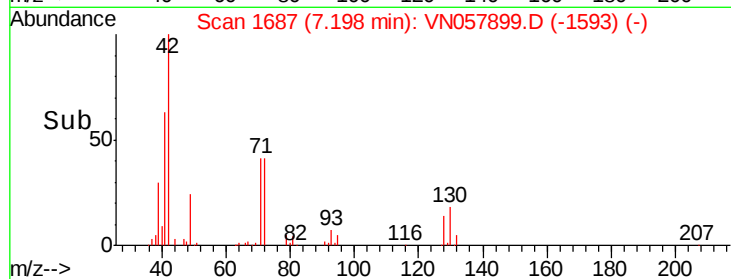
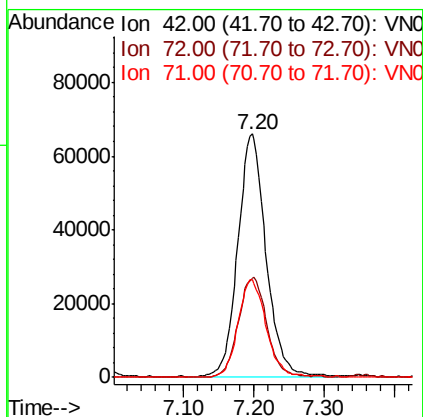
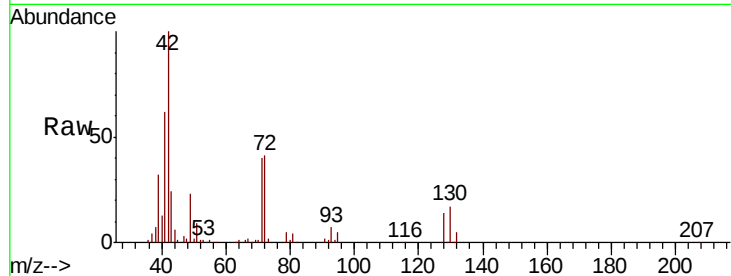




#29
Tetrahydrofuran
Concen: 97.918 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

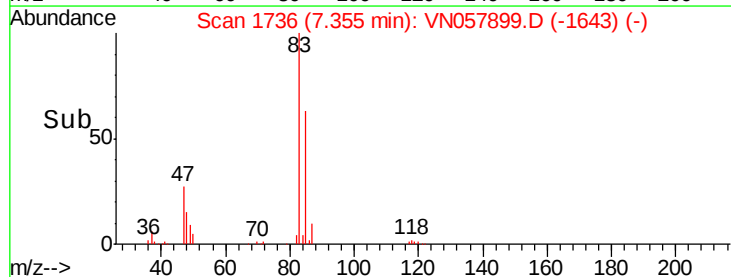
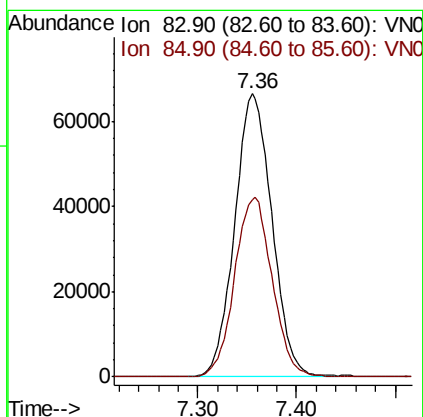
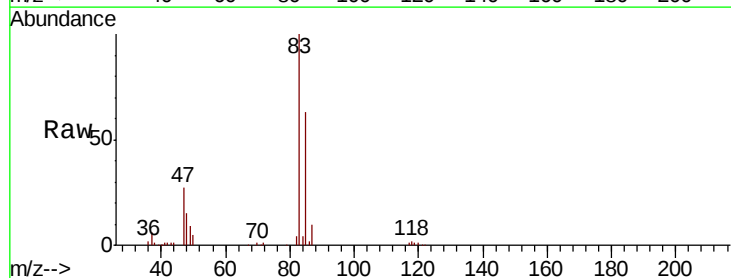
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

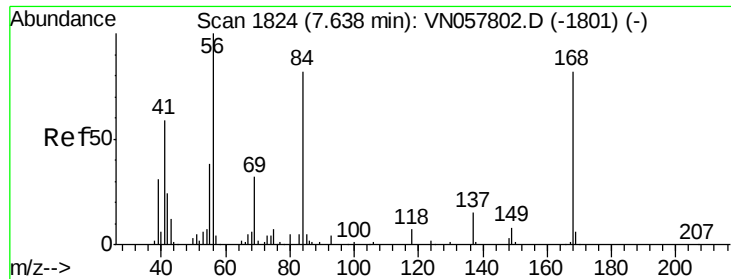
Tgt Ion: 42 Resp: 183522
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 39.7 31.9 47.9



#30
Chloroform
Concen: 19.724 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 83 Resp: 174332
Ion Ratio Lower Upper
83 100
85 62.7 50.6 75.8

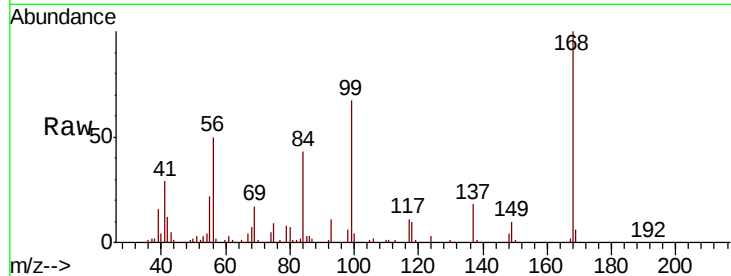




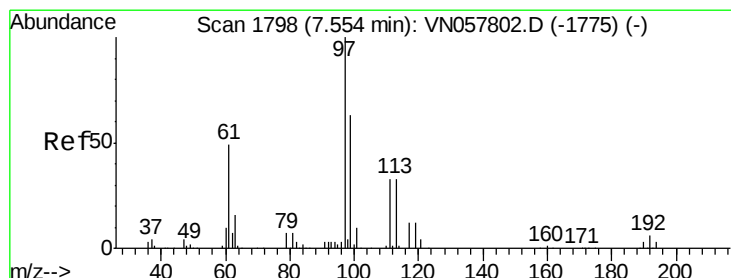
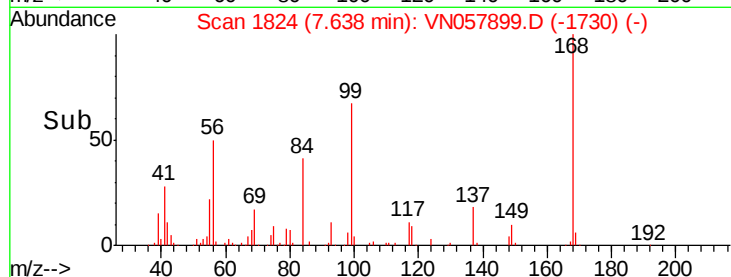
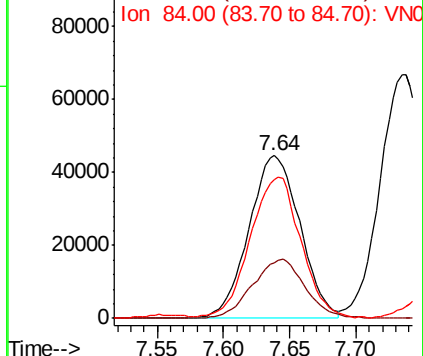
#31
Cyclohexane
Concen: 19.430 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tgt Ion: 56 Resp: 119800
Ion Ratio Lower Upper
56 100
69 34.5 25.9 38.9
84 84.2 65.6 98.4

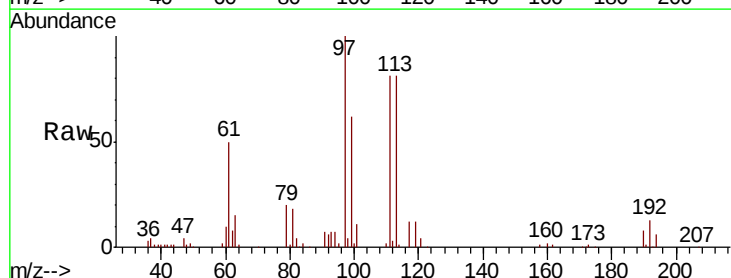


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

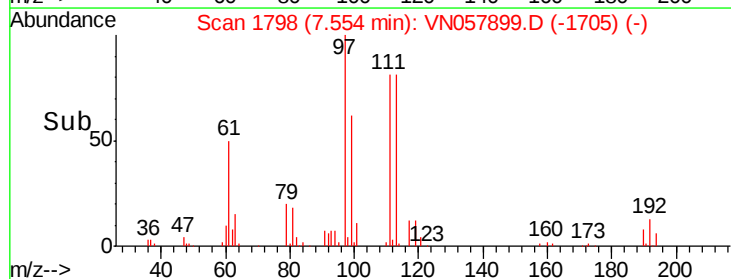
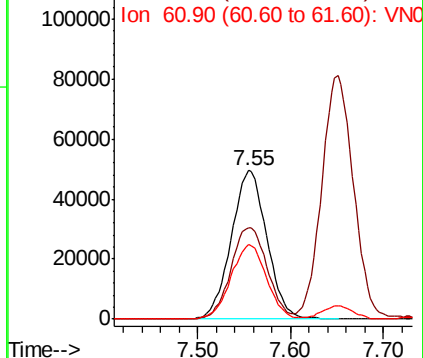


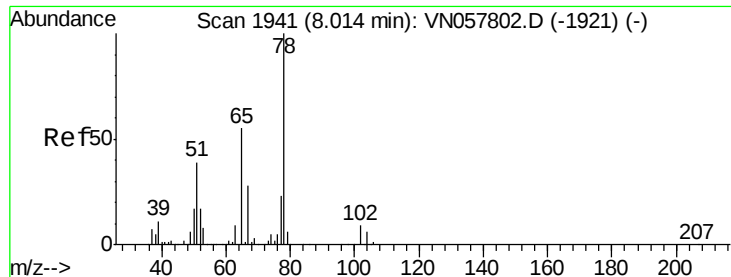
#32
1,1,1-Trichloroethane
Concen: 18.828 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 97 Resp: 131983
Ion Ratio Lower Upper
97 100
99 62.7 51.0 76.4
61 50.1 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

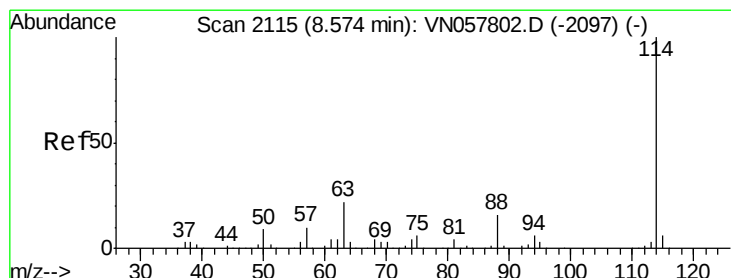
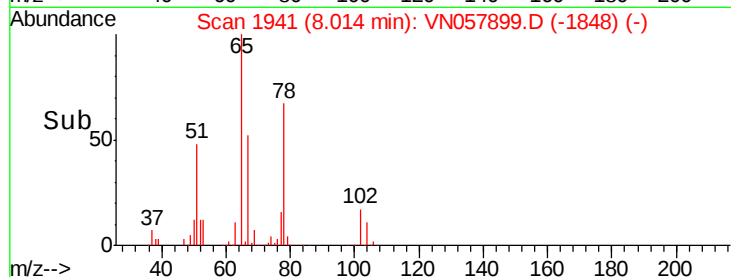
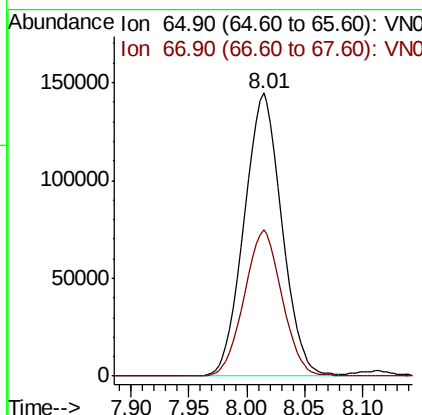
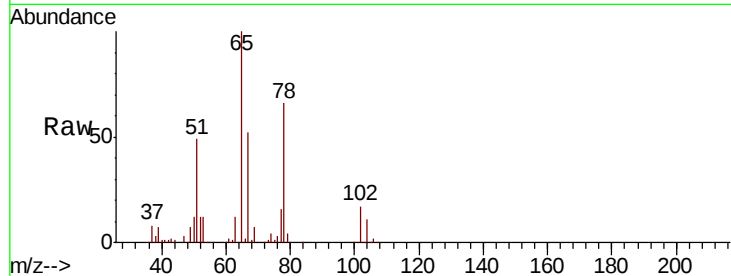




#33
 1,2-Dichloroethane-d4
 Concen: 51.241 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

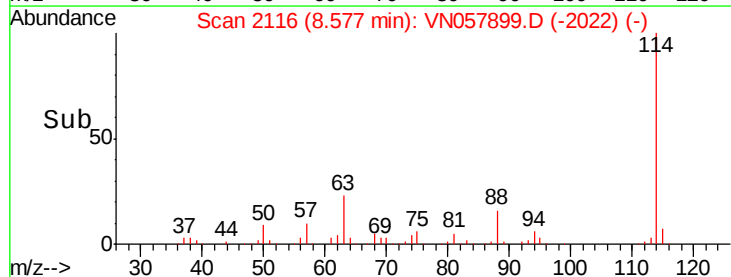
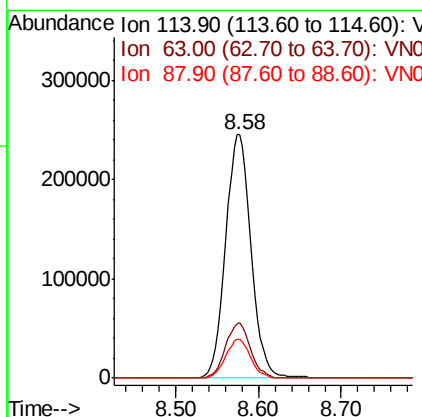
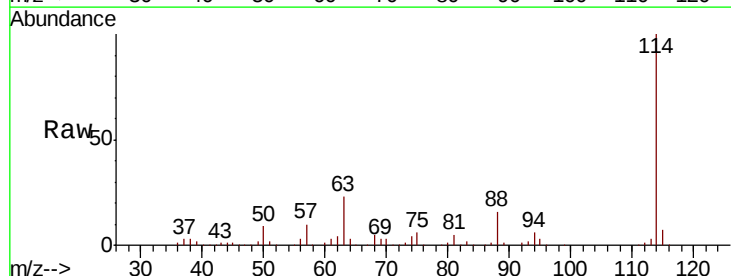
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

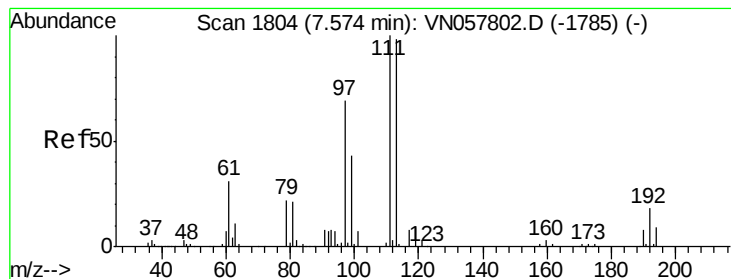
Tgt Ion: 65 Resp: 328482
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 114 Resp: 522950
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.0
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.662 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

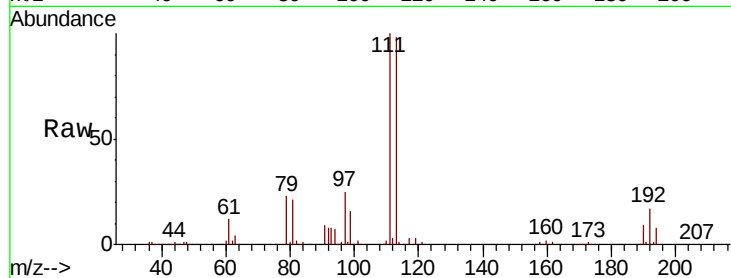
Tgt Ion:113 Resp: 234875

Ion Ratio Lower Upper

113 100

111 101.0 81.3 121.9

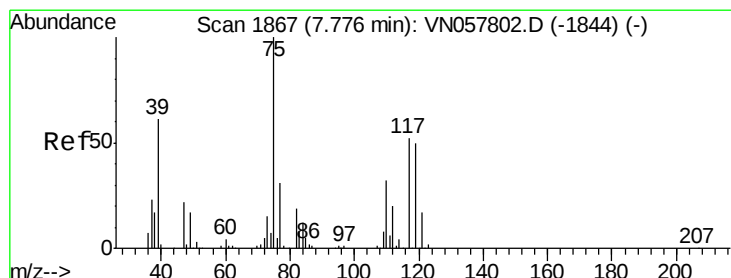
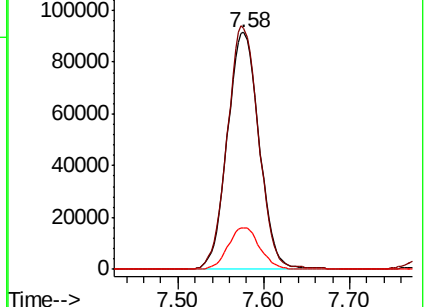
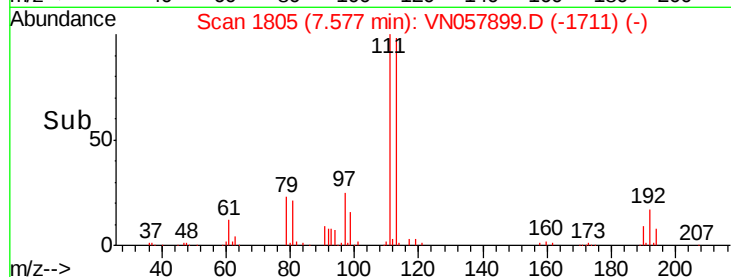
192 17.6 14.6 22.0



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: 17.834 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

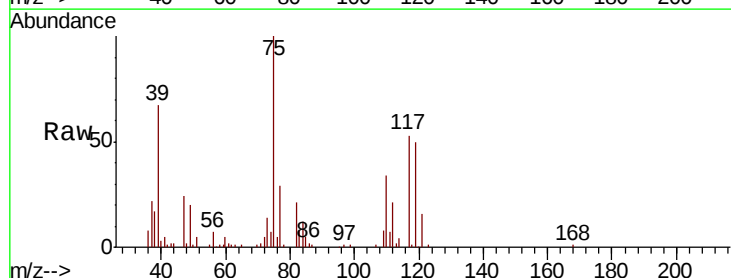
Tgt Ion: 75 Resp: 108158

Ion Ratio Lower Upper

75 100

110 32.7 16.3 48.9

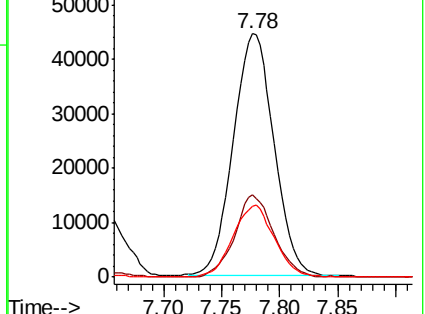
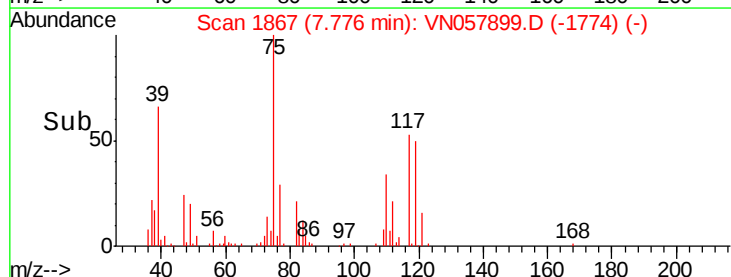
77 30.1 25.0 37.4



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

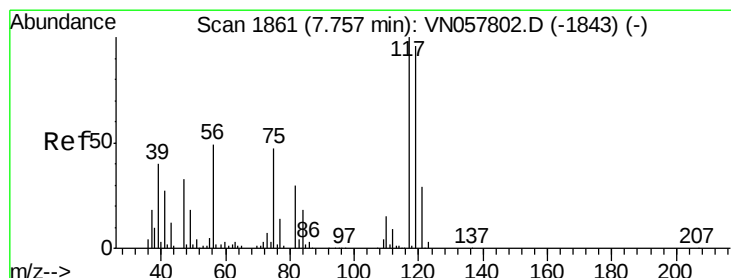
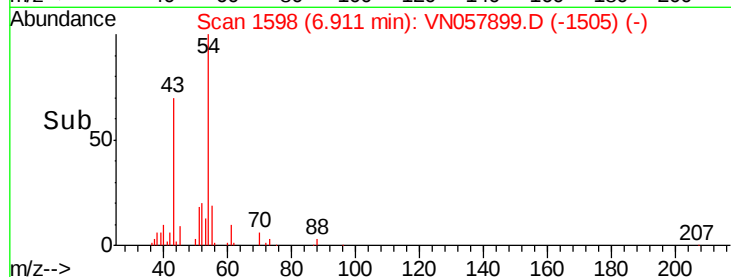
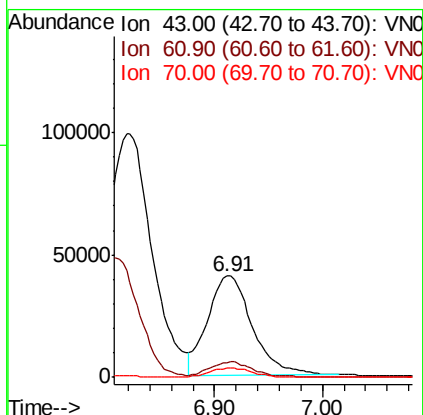
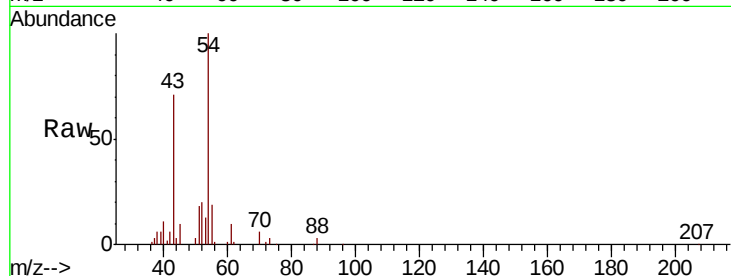




#37
 Ethyl Acetate
 Concen: 18.842 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

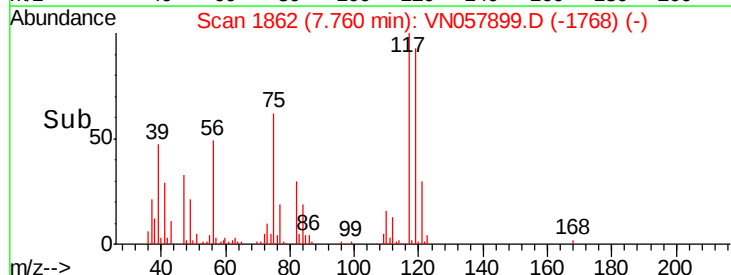
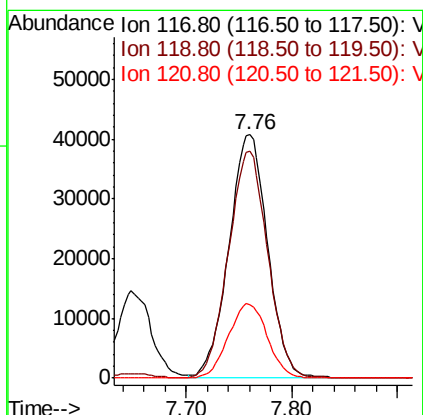
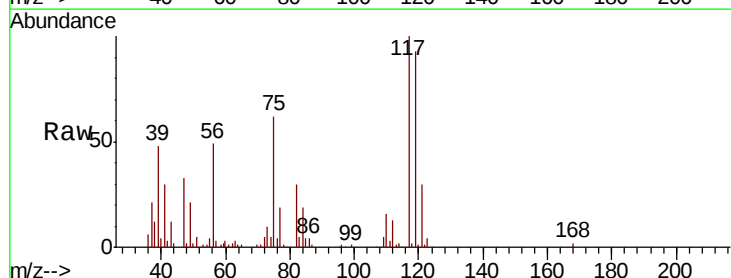
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

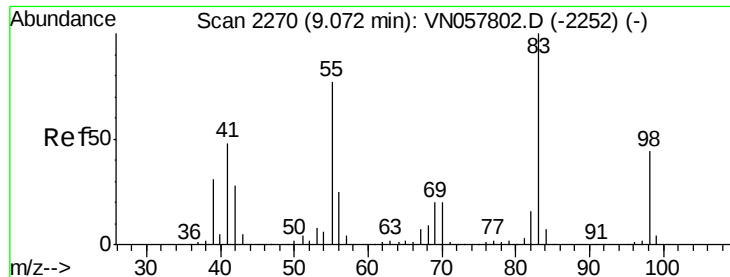
Tgt Ion: 43 Resp: 118063
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.5 15.7
 70 9.2 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 18.791 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 117 Resp: 104050
 Ion Ratio Lower Upper
 117 100
 119 93.3 76.9 115.3
 121 30.1 23.4 35.2

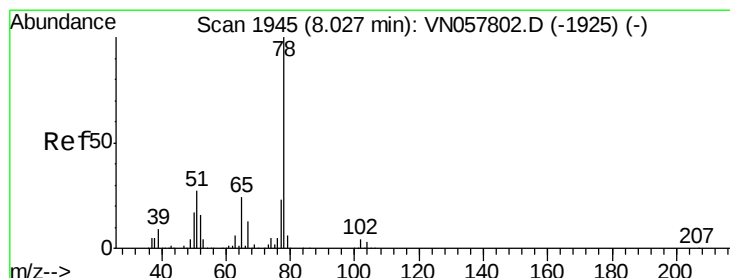
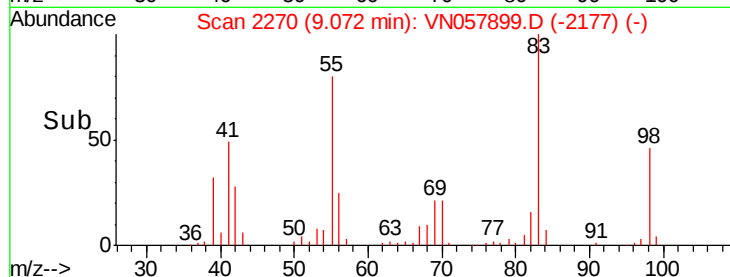
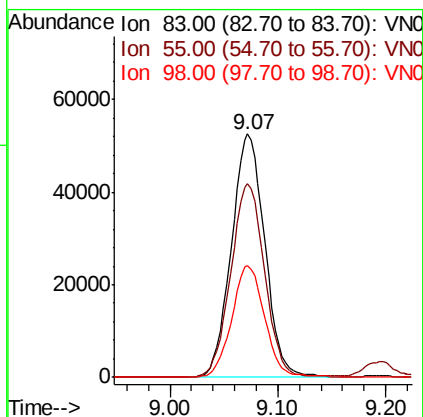
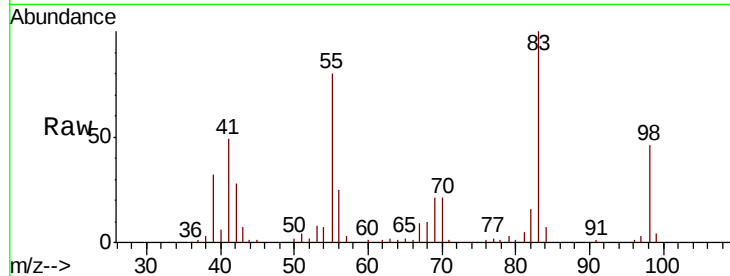




#39
Methylcyclohexane
Concen: 17.761 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

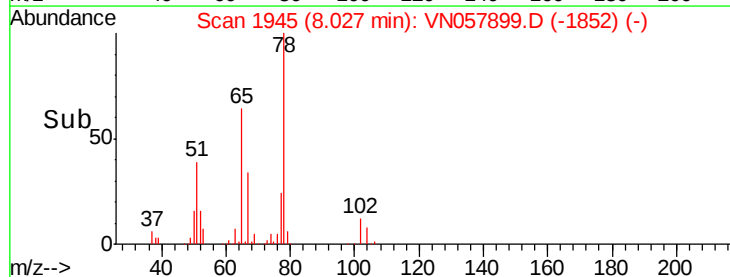
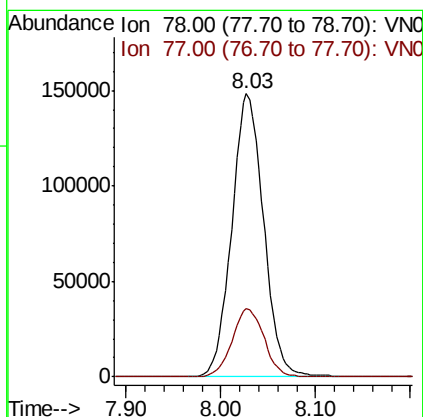
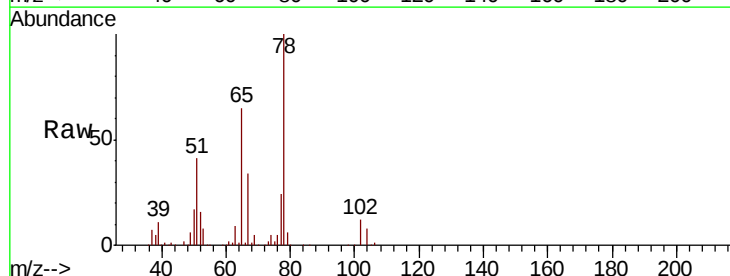
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

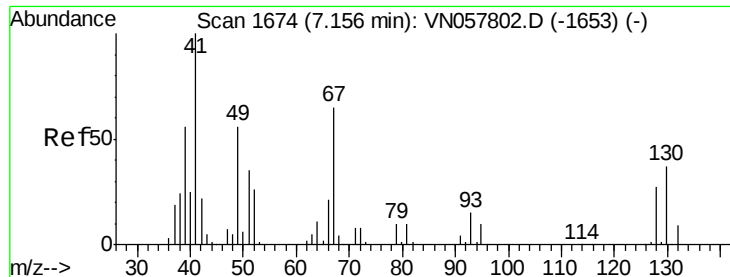
Tgt Ion: 83 Resp: 113236
Ion Ratio Lower Upper
83 100
55 79.7 61.6 92.4
98 45.9 34.9 52.3



#40
Benzene
Concen: 18.961 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 78 Resp: 346209
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5

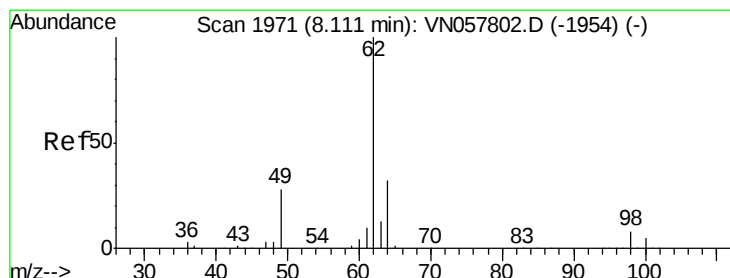
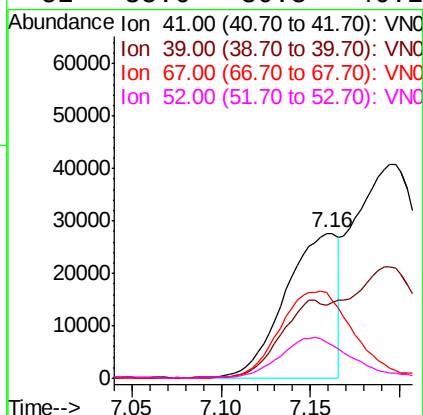
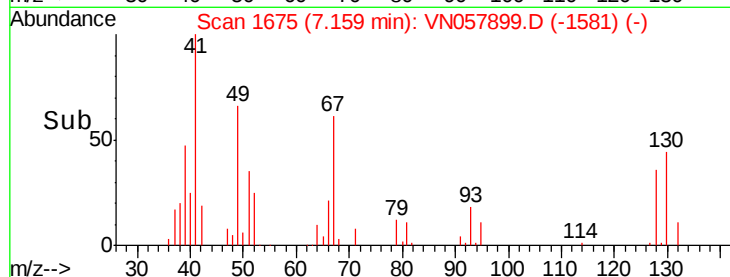
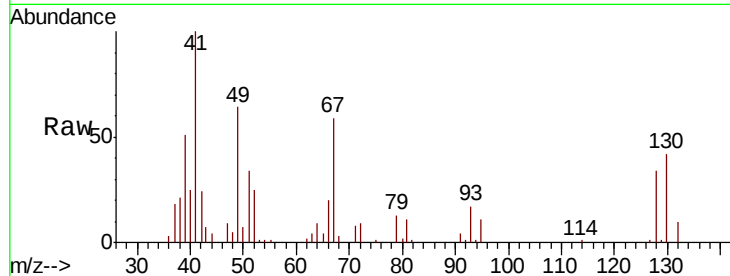




#41
Methacrylonitrile
Concen: 20.110 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

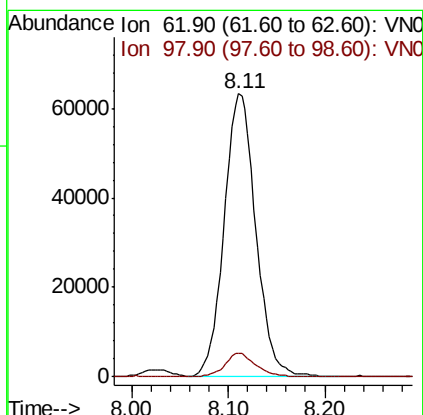
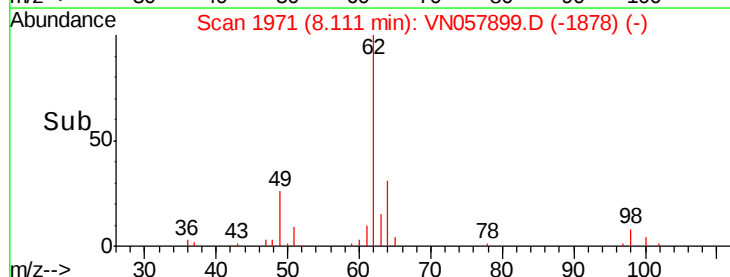
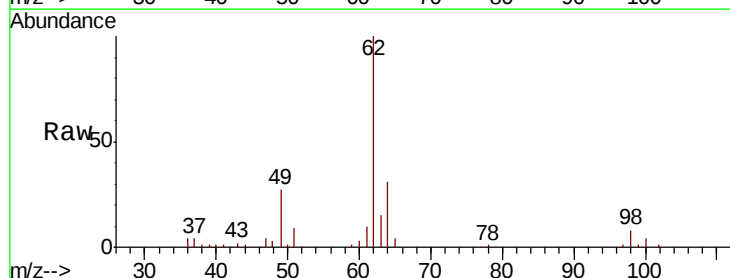
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

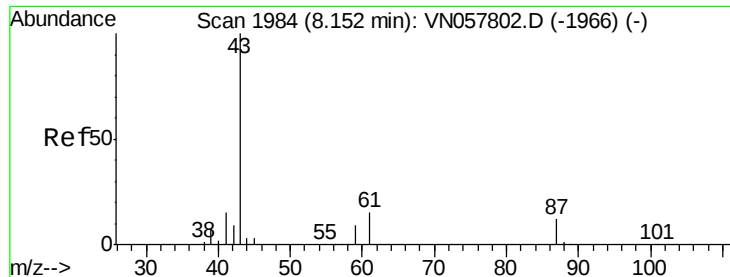
Tgt Ion: 41 Resp: 57200
Ion Ratio Lower Upper
41 100
39 46.2 51.0 76.6#
67 83.7 70.7 106.1
52 38.6 30.8 46.2



#42
1,2-Dichloroethane
Concen: 19.728 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 62 Resp: 144066
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 19.349 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

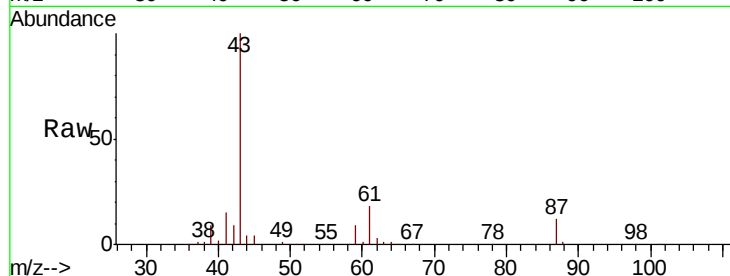
Tgt Ion: 43 Resp: 203896

Ion Ratio Lower Upper

43 100

61 18.7 20.1 30.1#

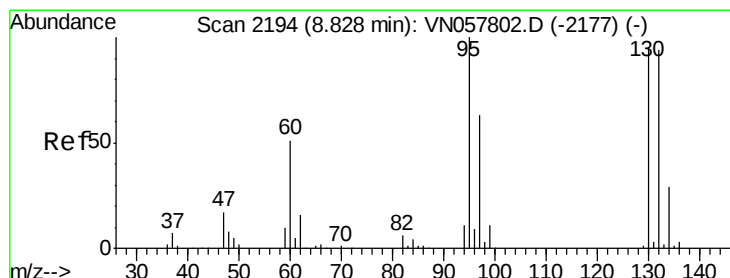
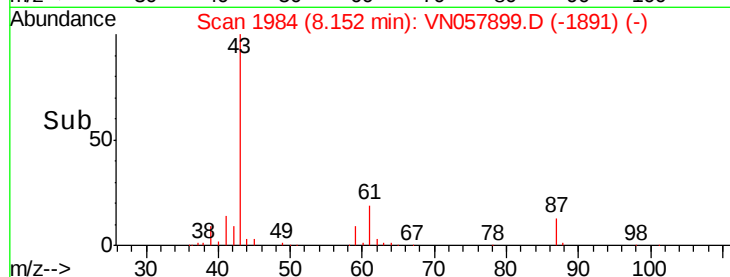
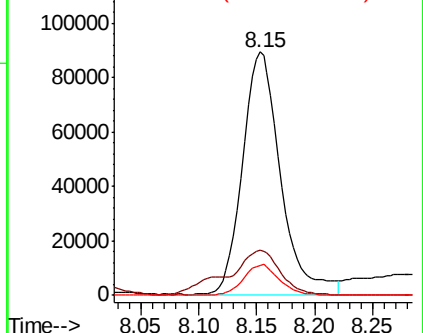
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 18.963 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057899.D

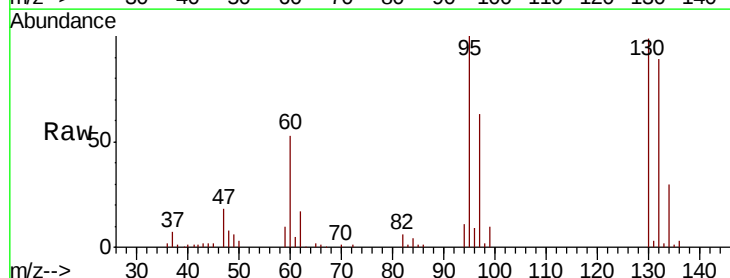
Acq: 11 Sep 2019 5:32

Tgt Ion: 130 Resp: 84924

Ion Ratio Lower Upper

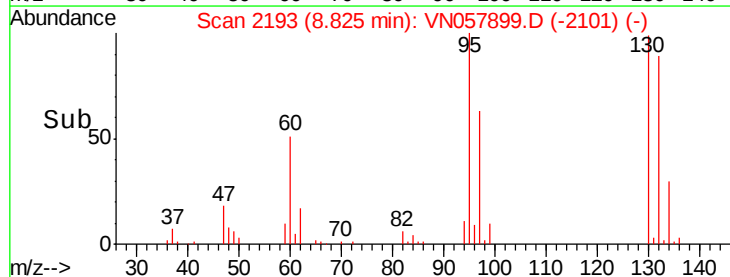
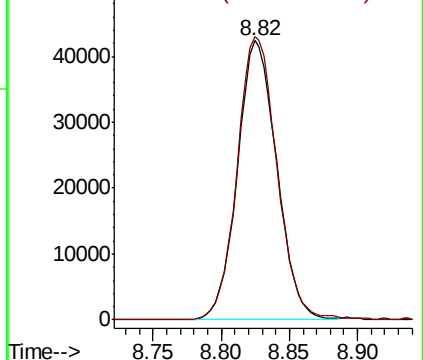
130 100

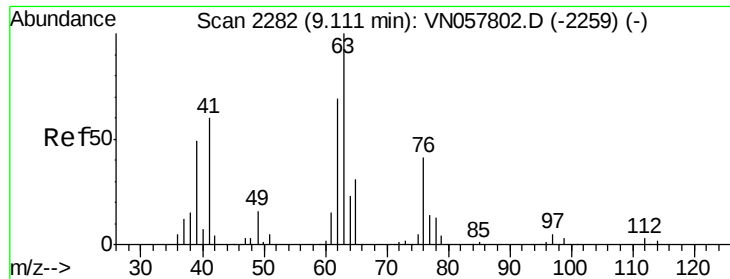
95 101.3 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

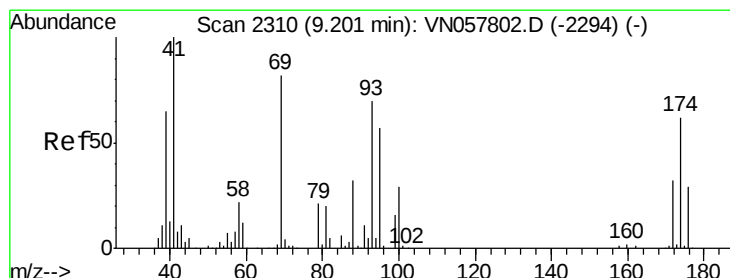
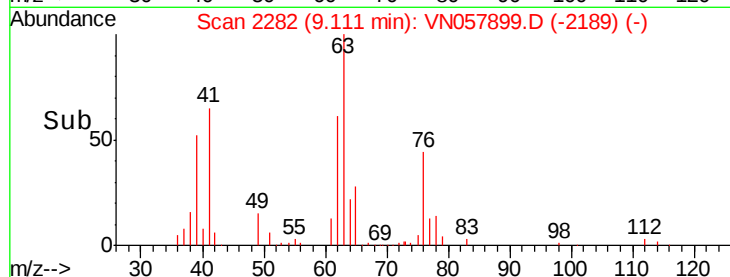
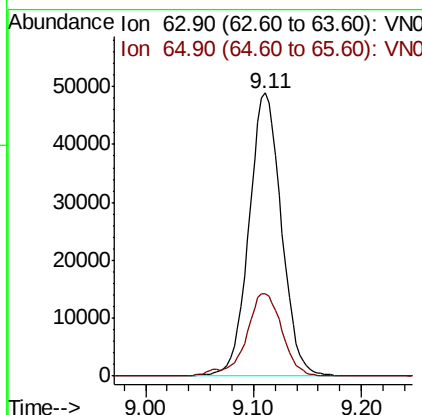
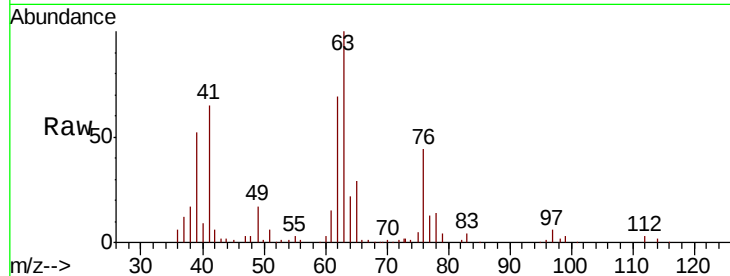




#45
 1,2-Dichloropropane
 Concen: 19.209 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

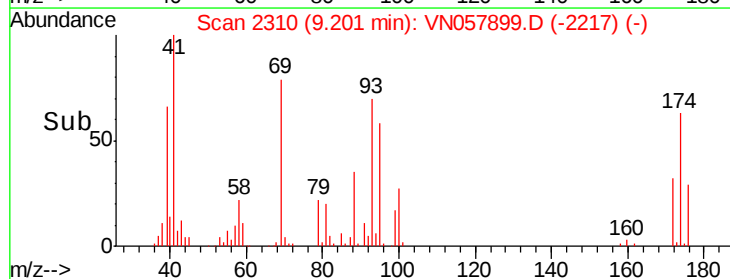
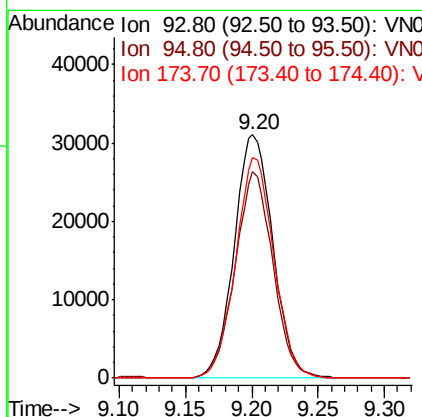
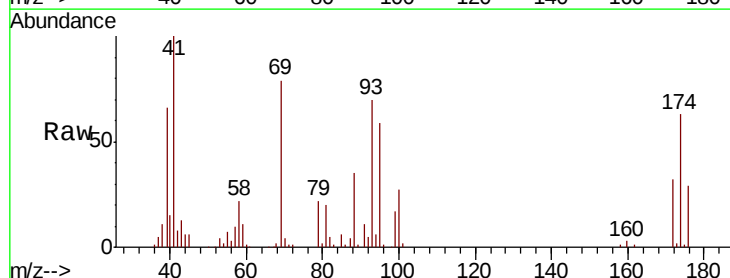
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

Tgt Ion: 63 Resp: 102062
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.8 37.2



#46
 Dibromomethane
 Concen: 19.584 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 93 Resp: 62878
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 89.8 71.8 107.6





#47

Bromodichloromethane

Concen: 19.208 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

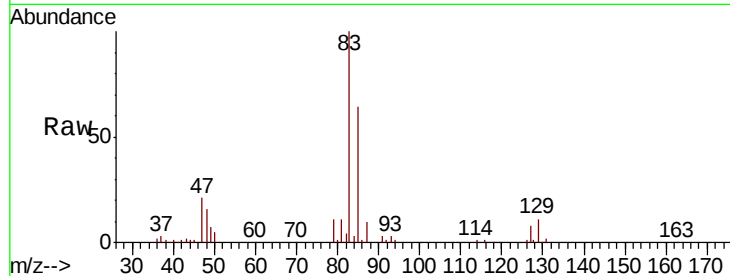
Tgt Ion: 83 Resp: 123146

Ion Ratio Lower Upper

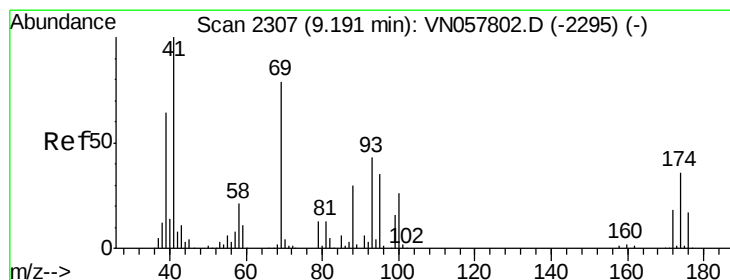
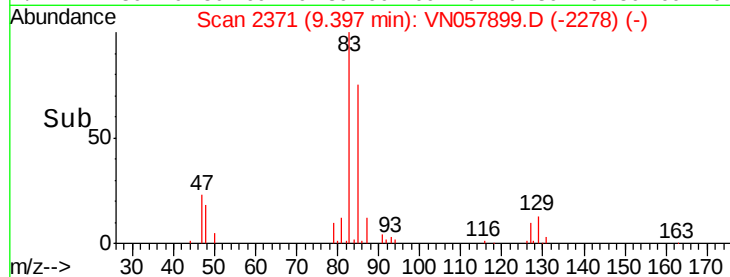
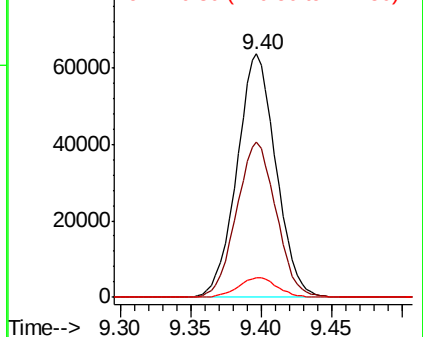
83 100

85 63.9 49.9 74.9

127 8.3 6.5 9.7



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: 19.173 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

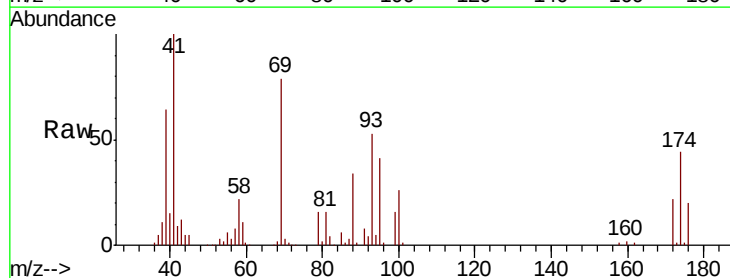
Tgt Ion: 41 Resp: 102488

Ion Ratio Lower Upper

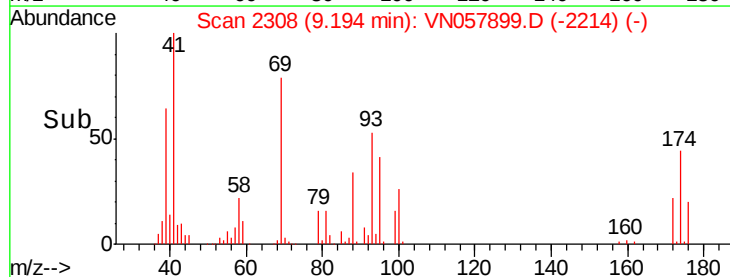
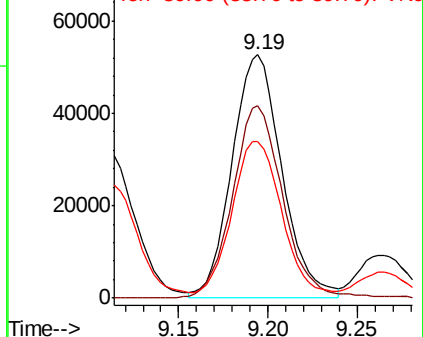
41 100

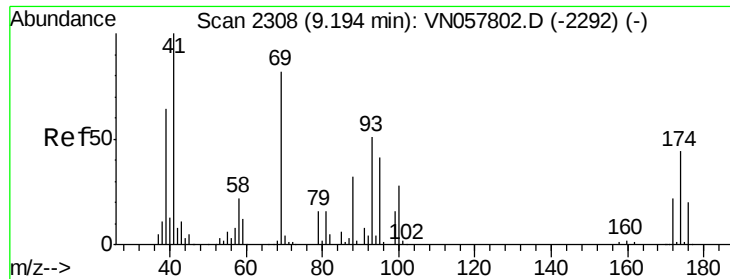
69 79.9 62.7 94.1

39 65.1 52.7 79.1



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: 395.755 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

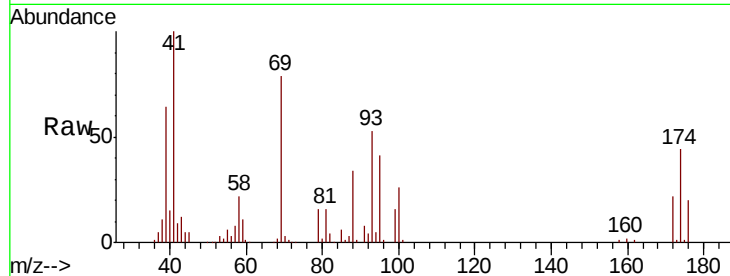
Tgt Ion: 88 Resp: 35774

Ion Ratio Lower Upper

88 100

43 35.1 28.5 42.7

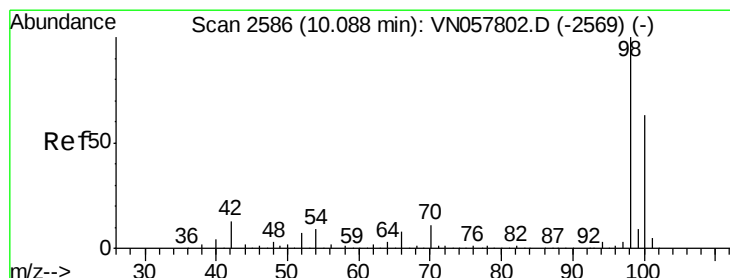
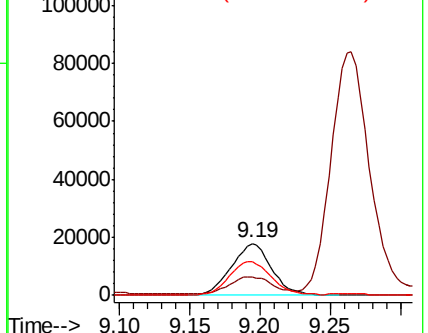
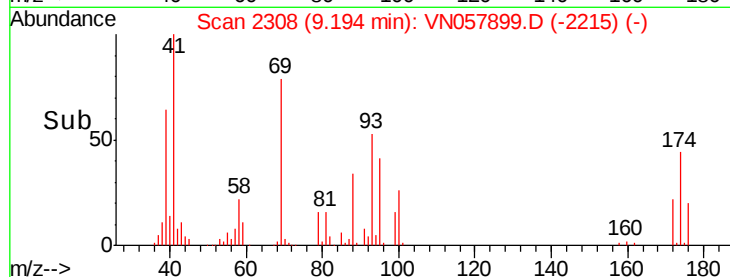
58 68.6 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.364 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057899.D

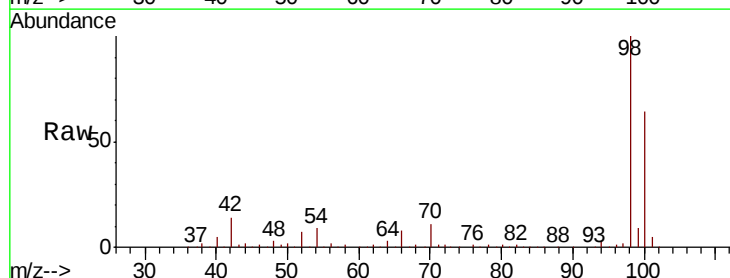
Acq: 11 Sep 2019 5:32

Tgt Ion: 98 Resp: 962531

Ion Ratio Lower Upper

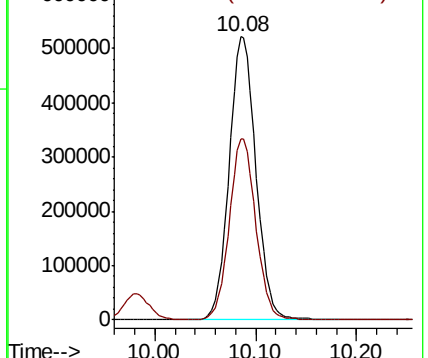
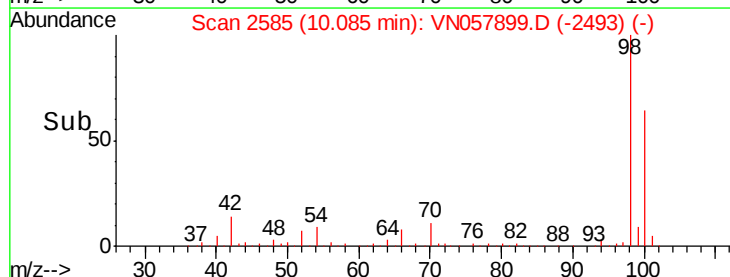
98 100

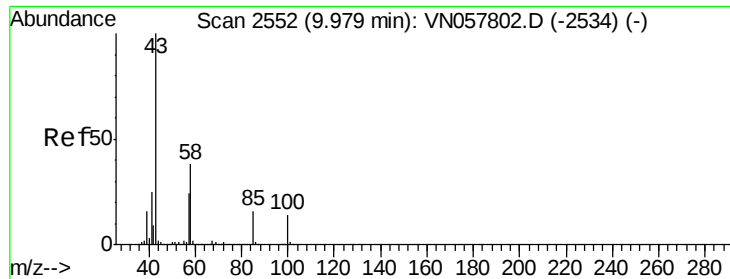
100 63.3 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

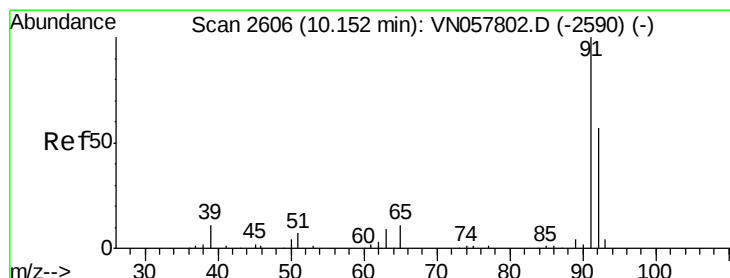
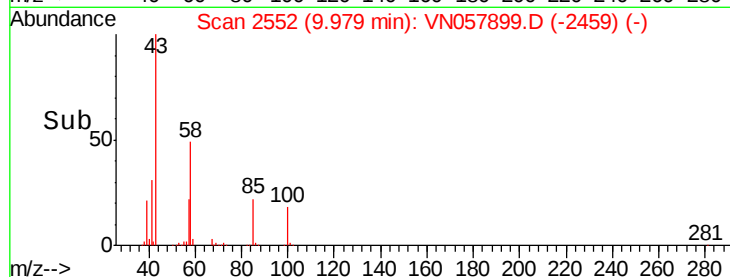
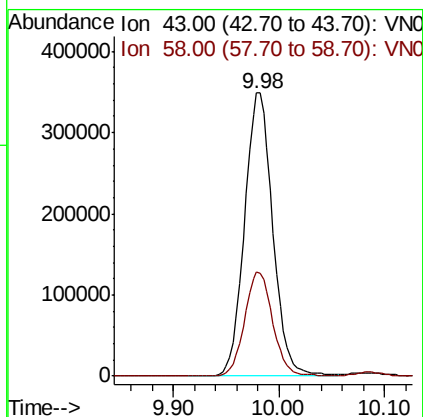
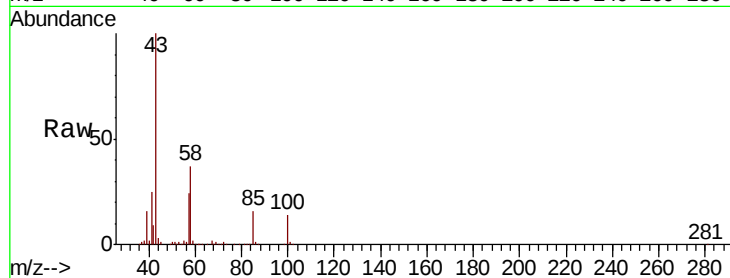




#51
 4-Methyl-2-Pentanone
 Concen: 103.747 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

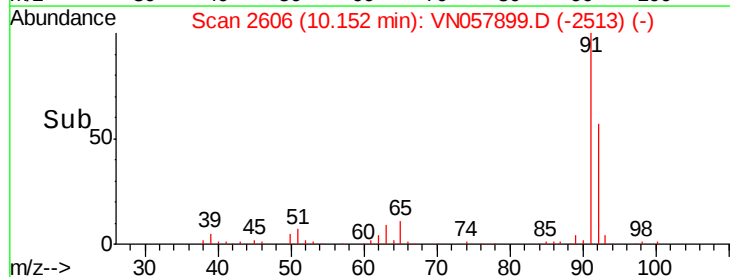
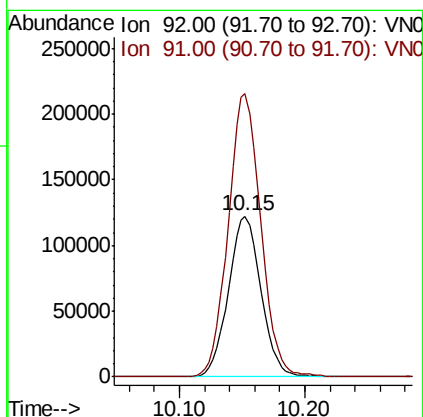
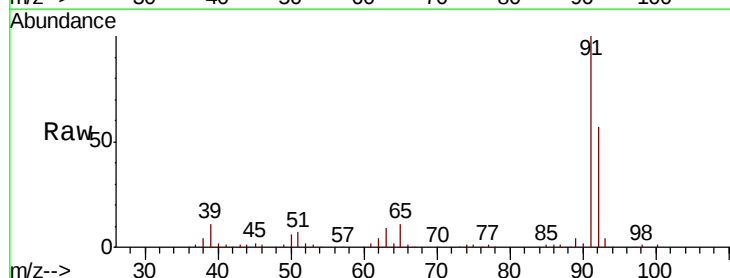
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

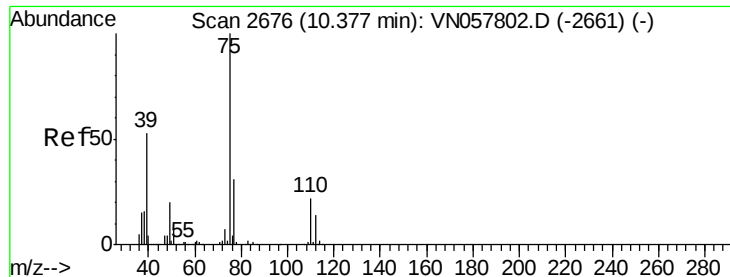
Tgt Ion: 43 Resp: 646943
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.6



#52
 Toluene
 Concen: 19.203 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 92 Resp: 220842
 Ion Ratio Lower Upper
 92 100
 91 176.7 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 16.911 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

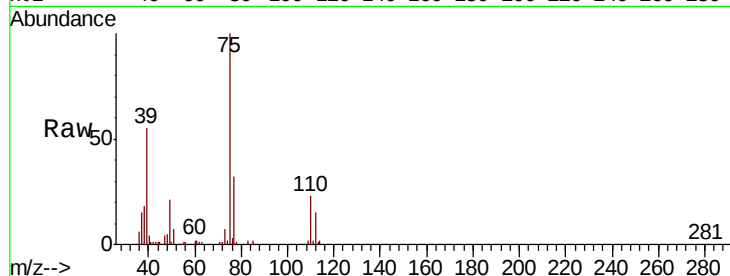
VN0911WBS02

Tgt Ion: 75 Resp: 114176

Ion Ratio Lower Upper

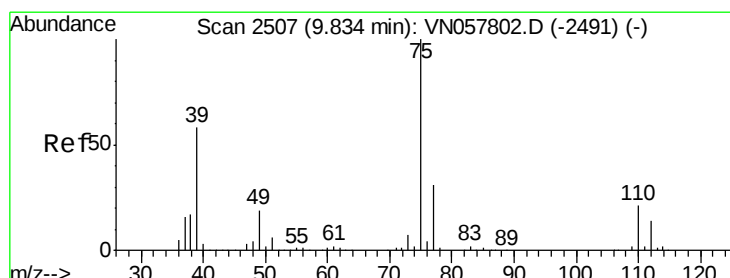
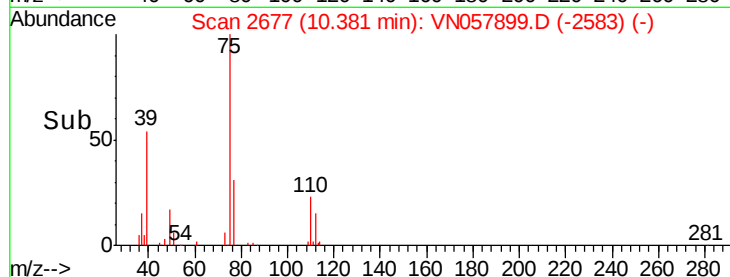
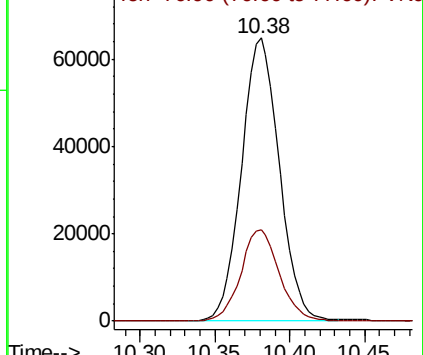
75 100

77 32.1 24.5 36.7



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: 17.870 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

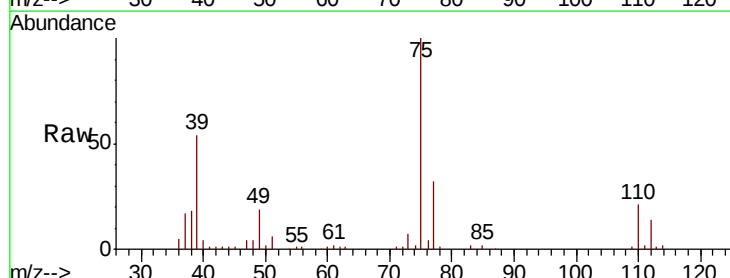
Tgt Ion: 75 Resp: 133202

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

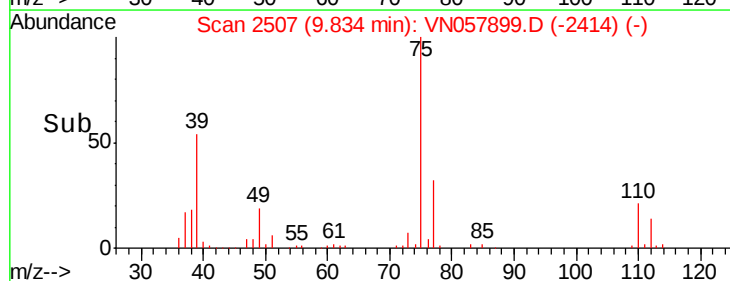
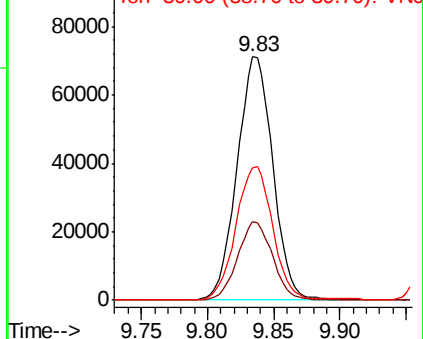
39 54.0 46.2 69.4

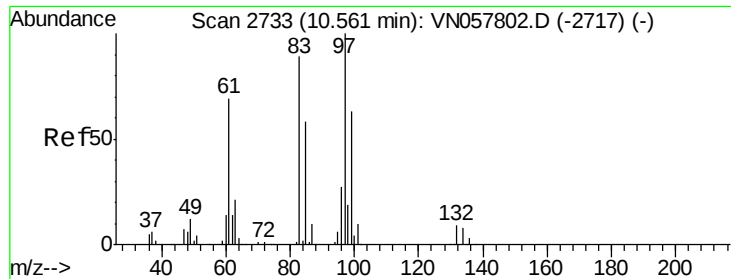


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.606 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

Tgt Ion: 97 Resp: 95507

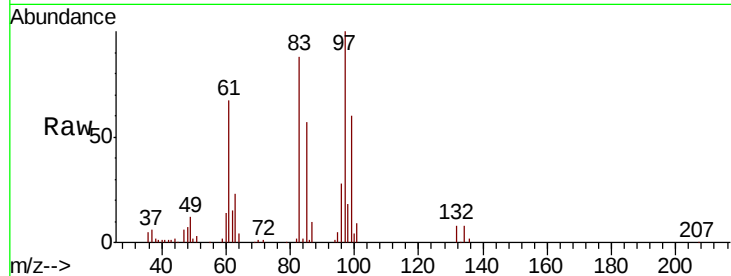
Ion Ratio Lower Upper

97 100

83 88.4 70.8 106.2

85 56.8 46.0 69.0

99 59.5 50.6 76.0



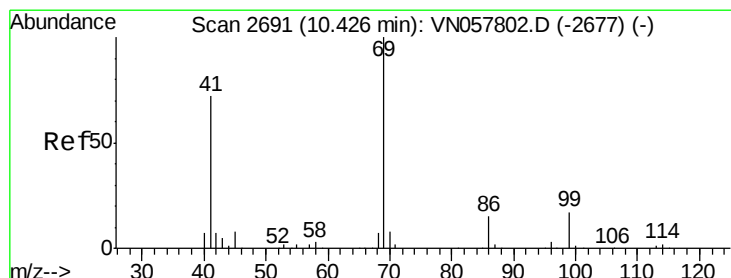
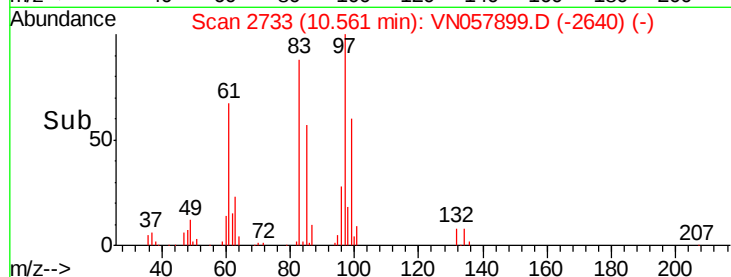
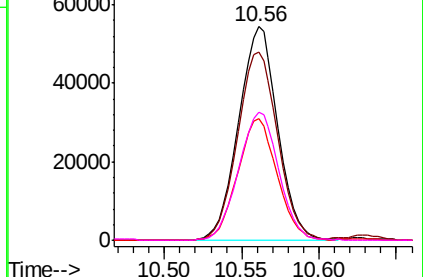
Abundance

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: 19.255 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

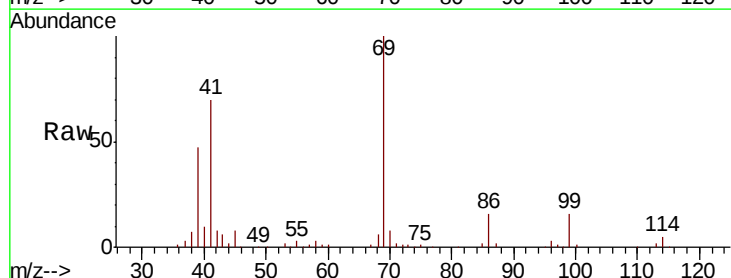
Tgt Ion: 69 Resp: 141253

Ion Ratio Lower Upper

69 100

41 70.8 56.7 85.1

39 46.6 36.3 54.5

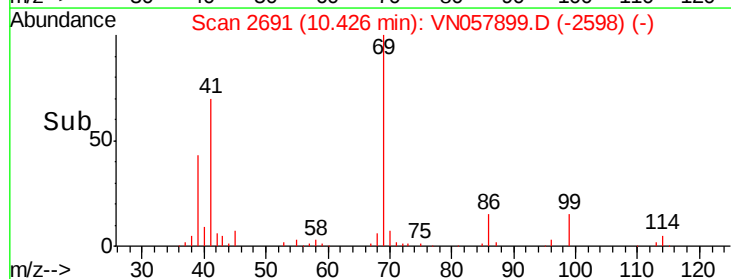
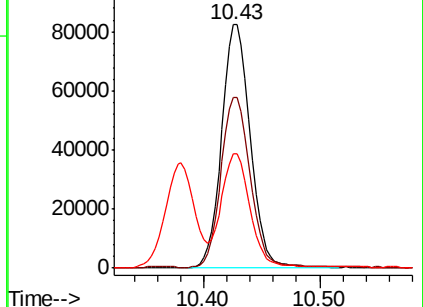


Abundance

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

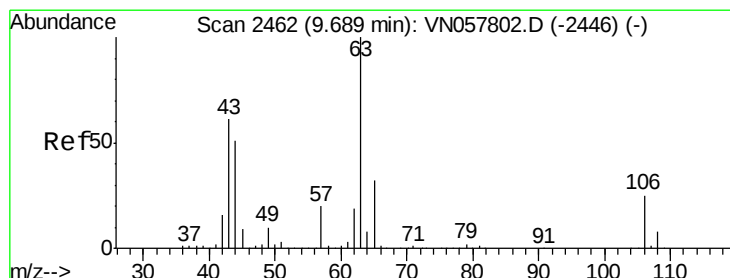
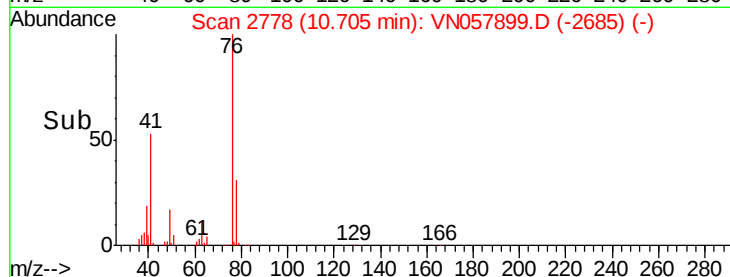
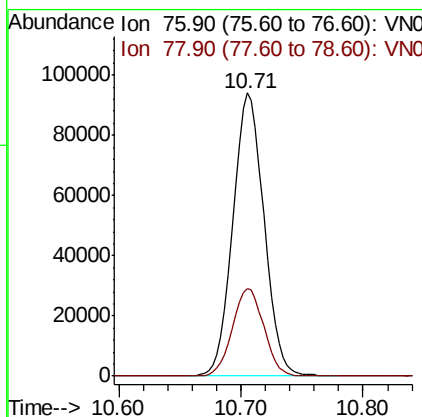
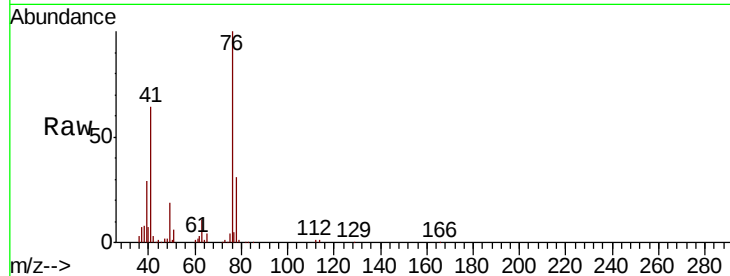




#57
 1,3-Dichloropropane
 Concen: 19.791 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

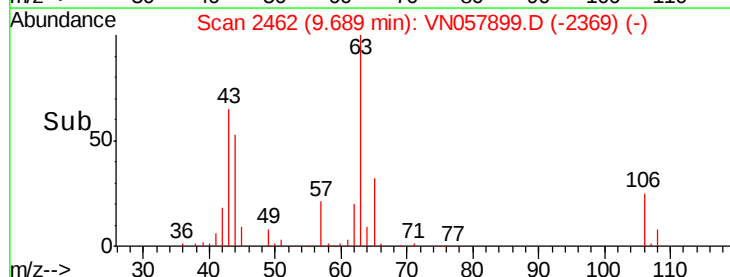
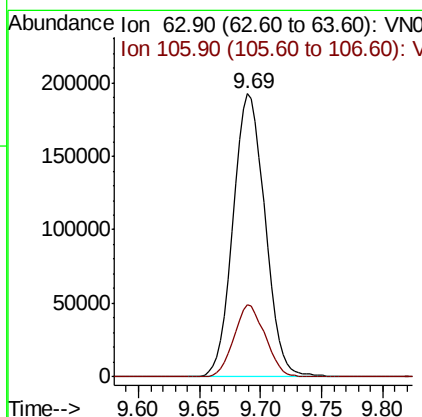
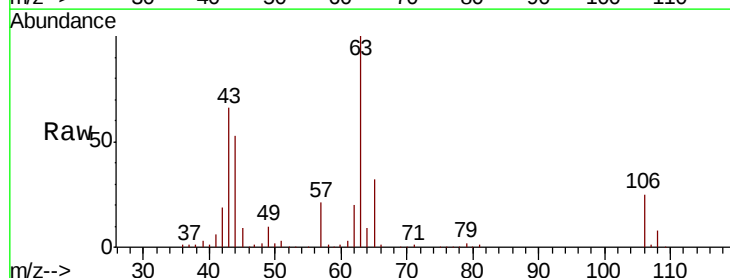
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

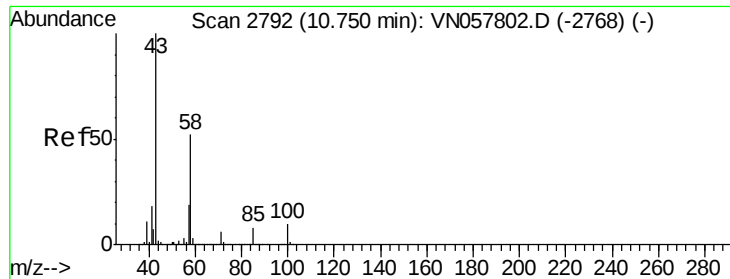
Tgt Ion: 76 Resp: 166150
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.518 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion: 63 Resp: 350757
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0

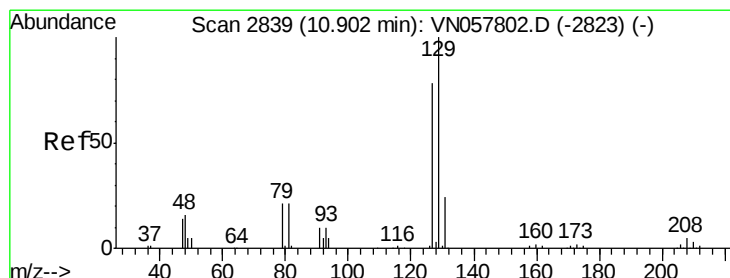
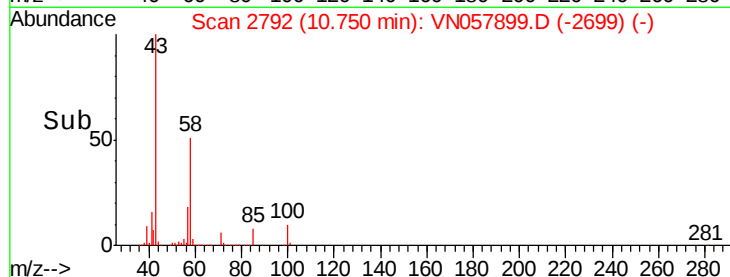
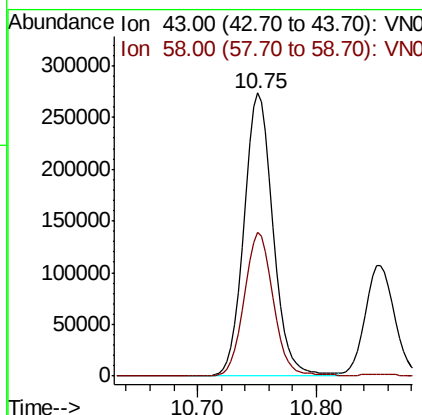
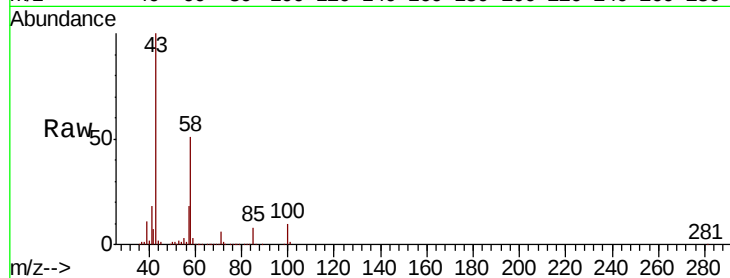




#59
2-Hexanone
Concen: 98.457 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

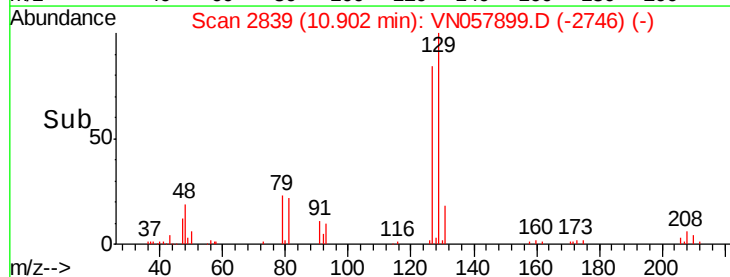
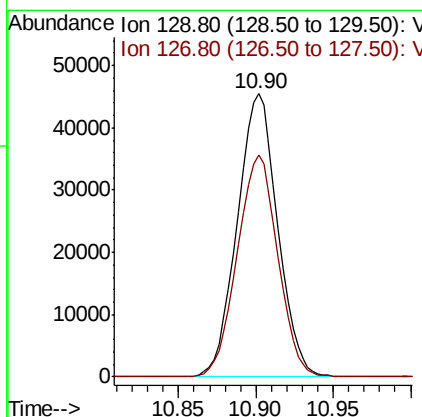
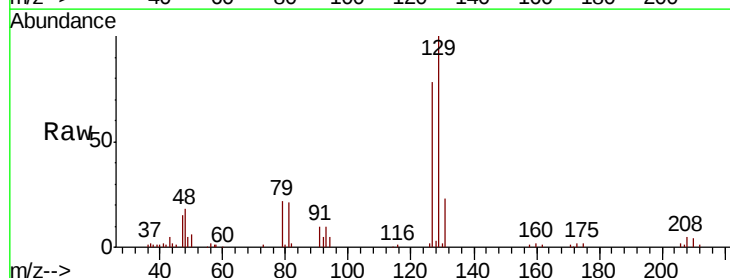
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

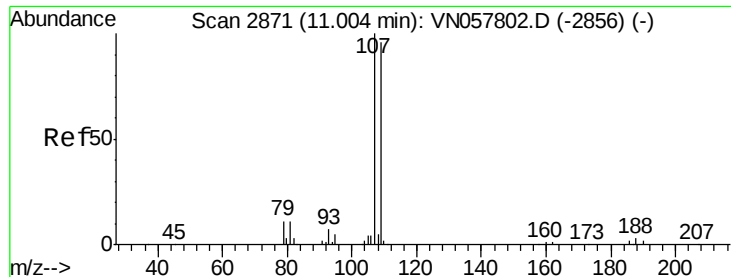
Tgt Ion: 43 Resp: 460186
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8



#60
Dibromochloromethane
Concen: 18.251 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 129 Resp: 82561
Ion Ratio Lower Upper
129 100
127 78.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.107 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampled :

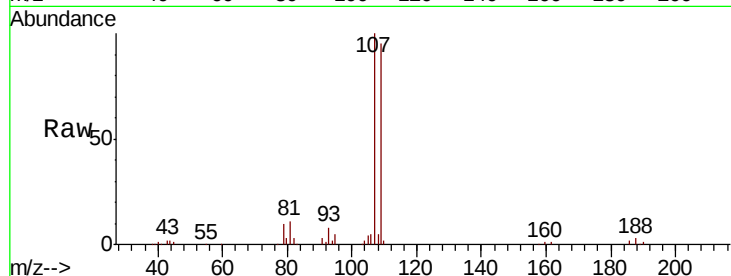
VN0911WBS02

Tgt Ion: 107 Resp: 87997

Ion Ratio Lower Upper

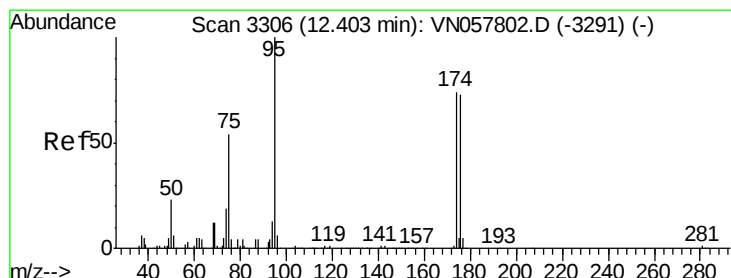
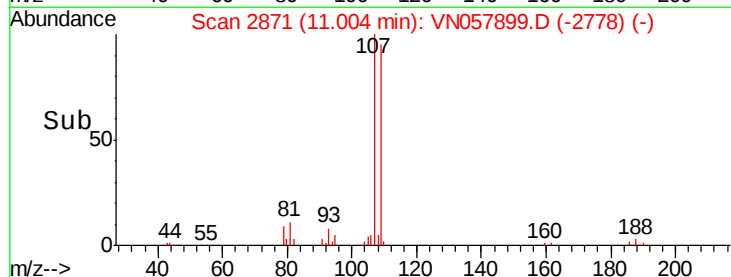
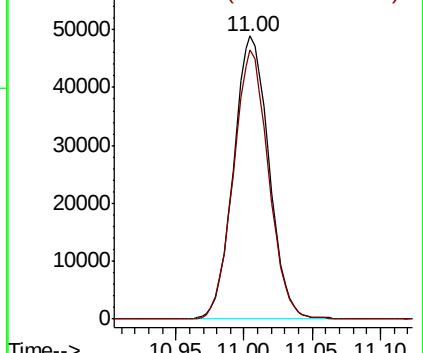
107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.194 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

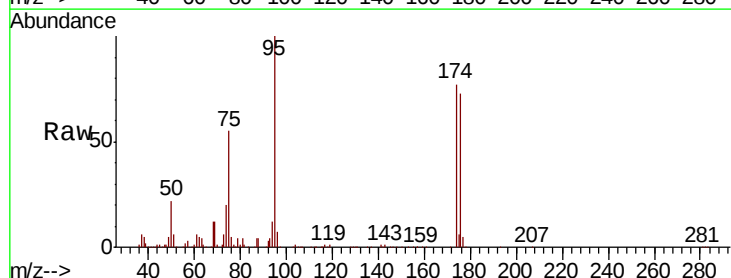
Tgt Ion: 95 Resp: 329894

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

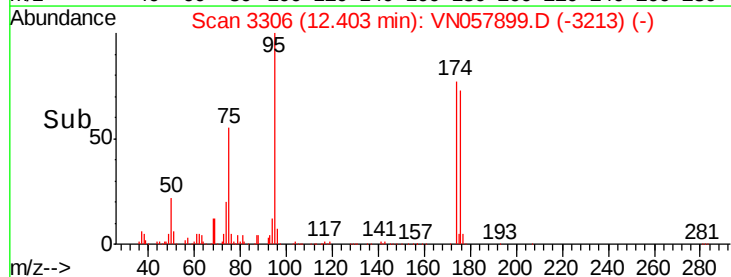
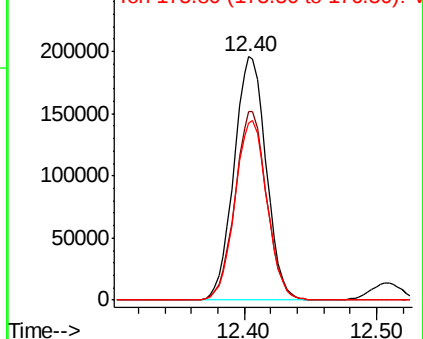
176 73.5 0.0 146.0

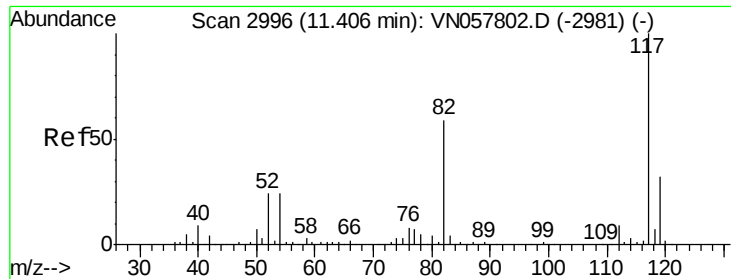


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

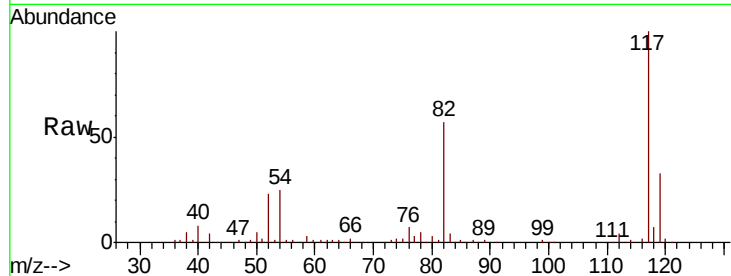




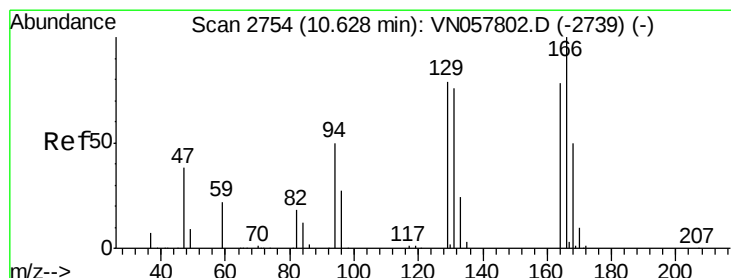
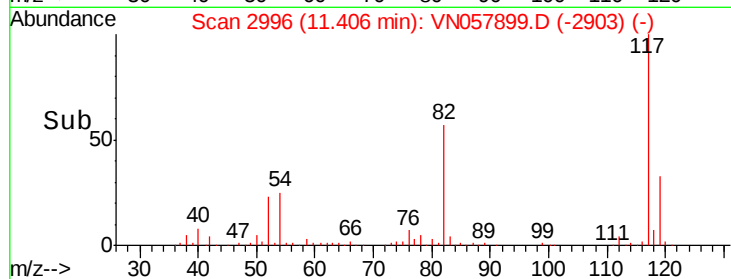
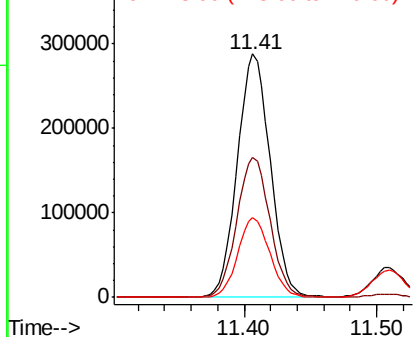
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tgt Ion:117 Resp: 496613
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 32.5 25.3 37.9

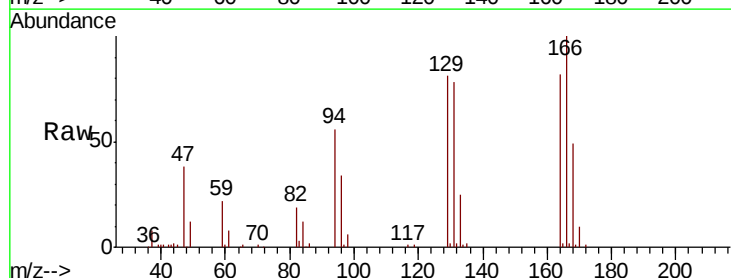


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

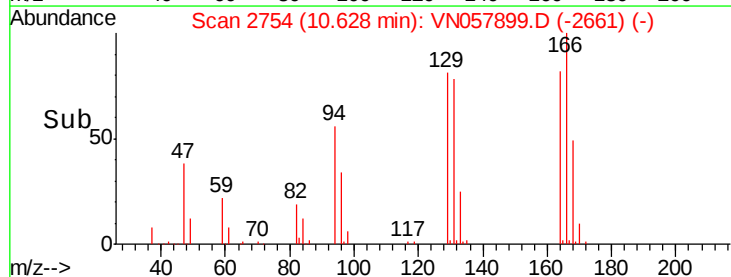
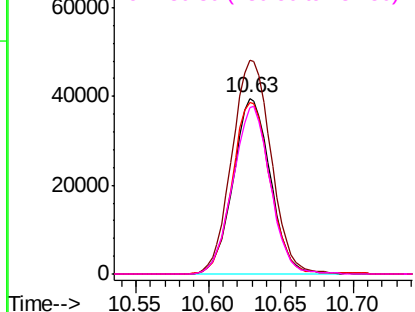


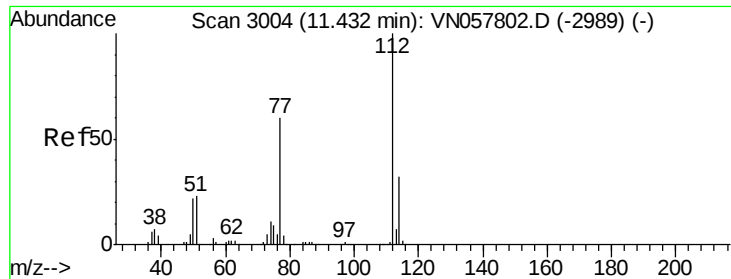
#64
Tetrachloroethene
Concen: 19.245 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:164 Resp: 70568
Ion Ratio Lower Upper
164 100
166 121.6 102.2 153.2
129 98.0 80.8 121.2
131 95.0 77.4 116.2



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: 19.274 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

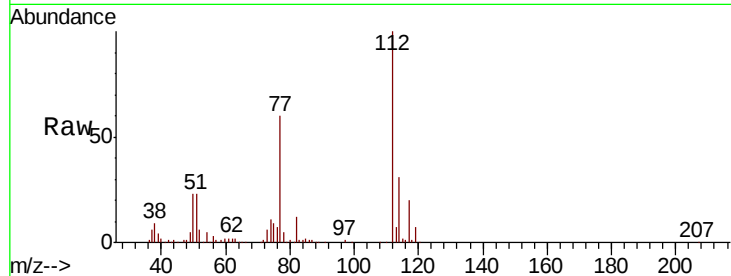
VN0911WBS02

Tgt Ion:112 Resp: 250504

Ion Ratio Lower Upper

112 100

114 31.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

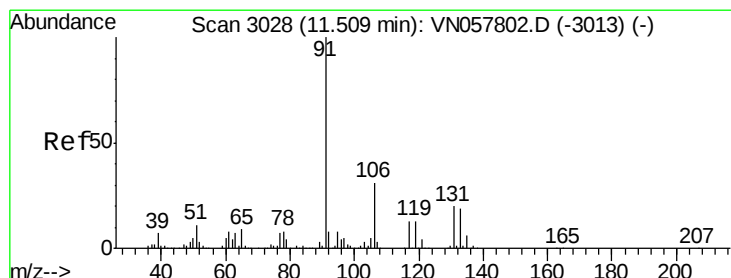
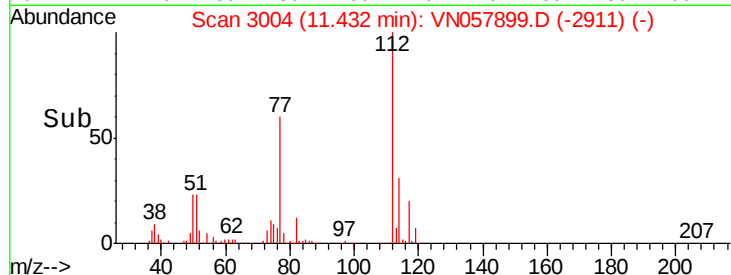
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.674 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

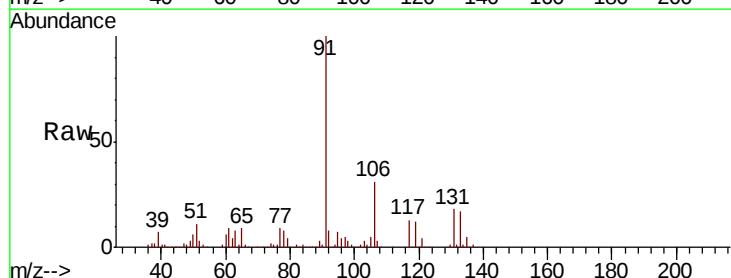
Tgt Ion:131 Resp: 84218

Ion Ratio Lower Upper

131 100

133 94.5 47.1 141.3

119 67.6 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

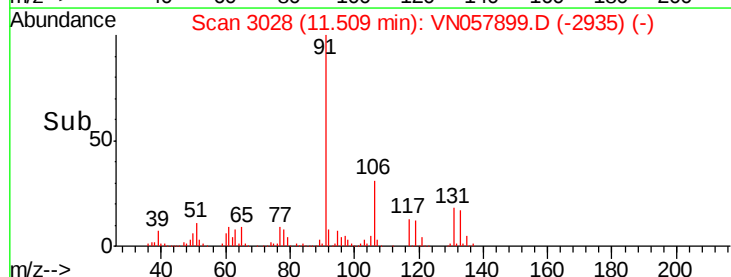
60000

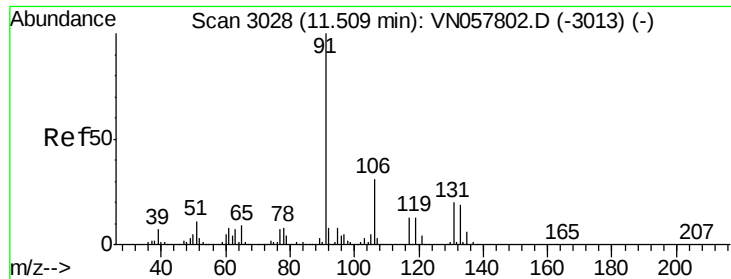
40000

20000

0

Time-->

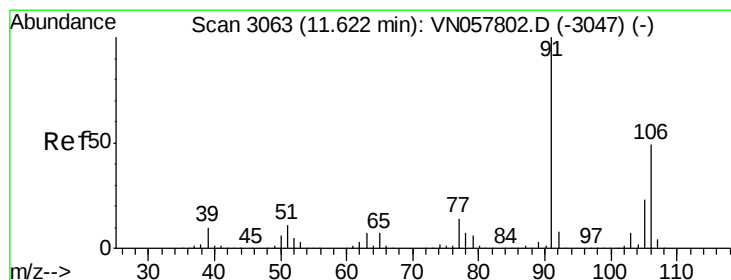
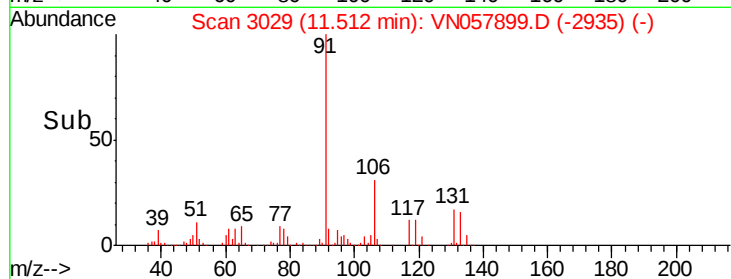
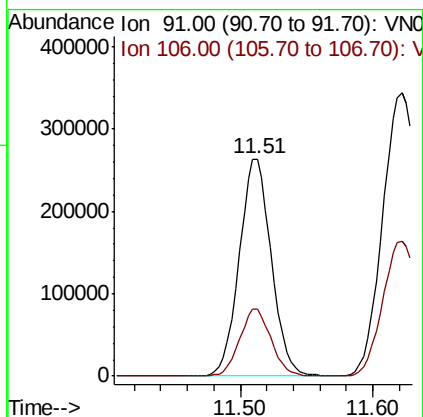
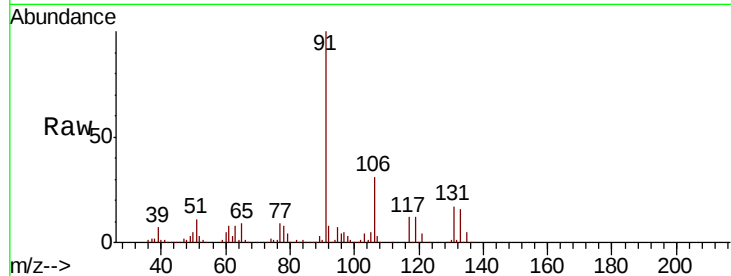




#67
Ethyl Benzene
Concen: 19.403 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

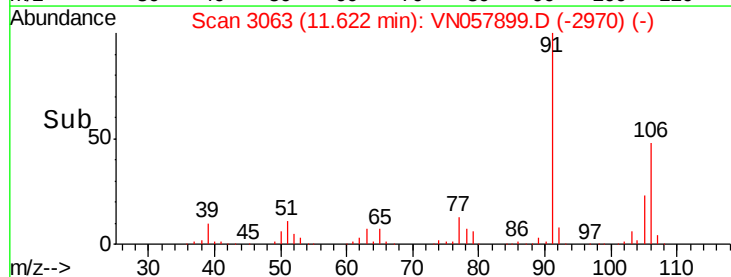
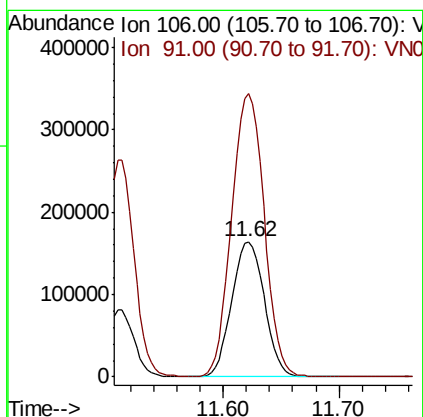
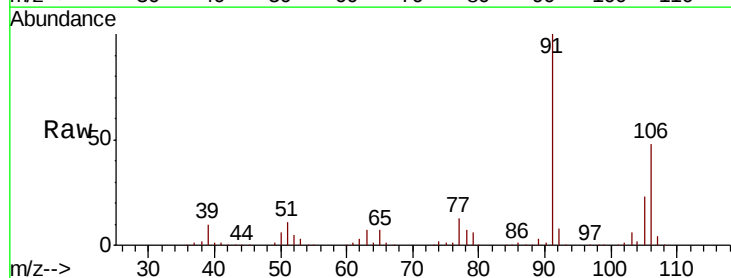
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

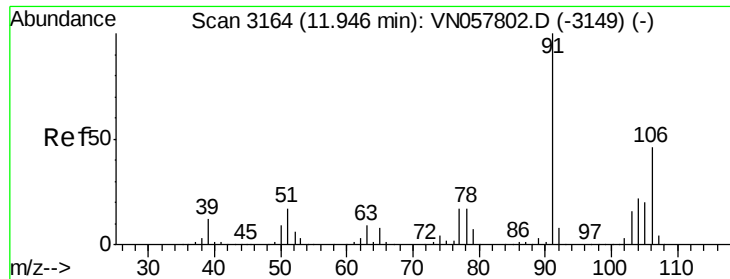
Tgt Ion: 91 Resp: 441944
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 38.423 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion: 106 Resp: 320575
Ion Ratio Lower Upper
106 100
91 208.9 165.8 248.6

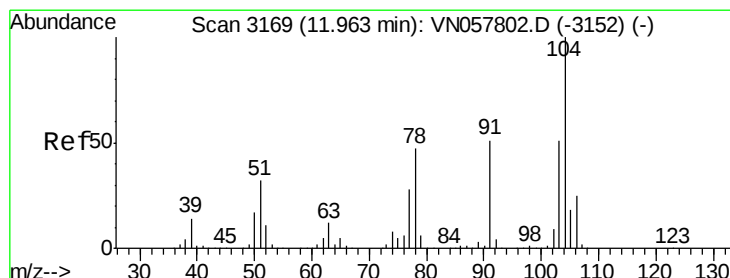
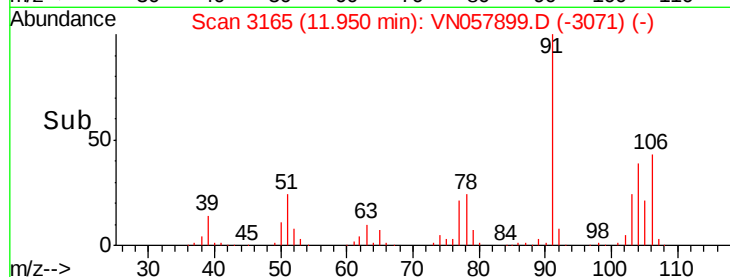
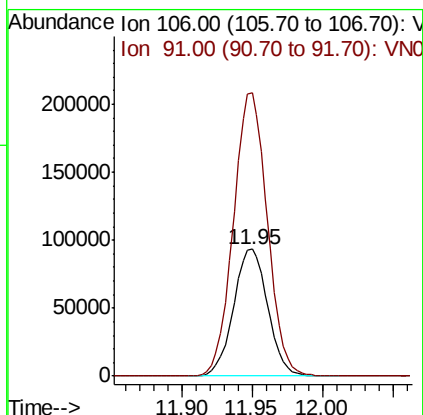
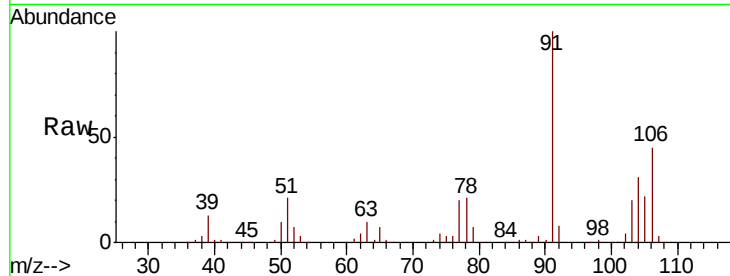




#69
o-Xylene
Concen: 19.133 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

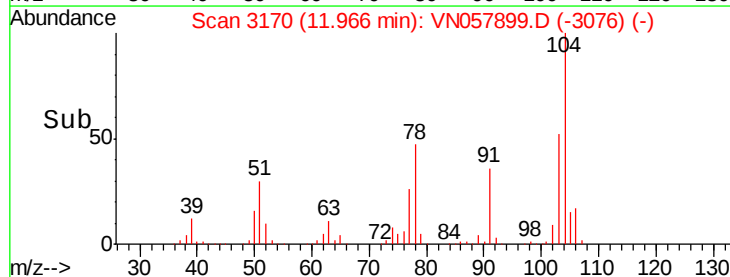
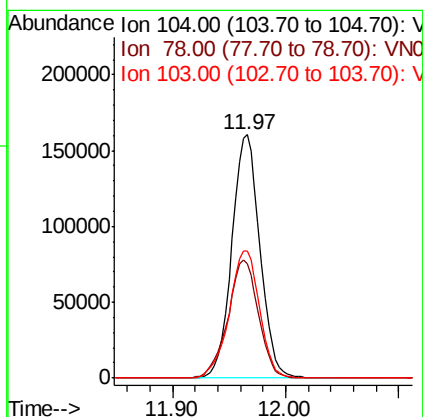
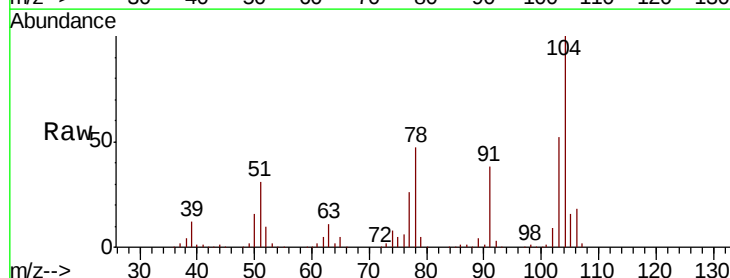
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

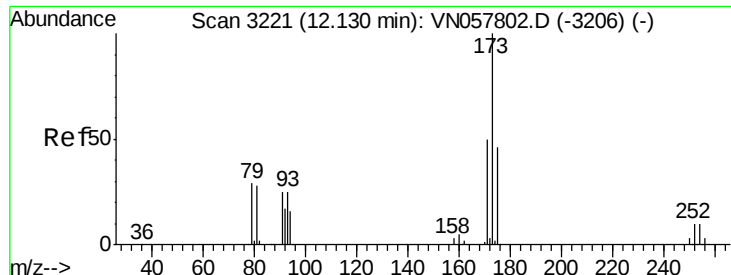
Tgt Ion:106 Resp: 158702
Ion Ratio Lower Upper
106 100
91 221.6 108.7 326.1



#70
Styrene
Concen: 19.393 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:104 Resp: 276832
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 56.7 43.7 65.5

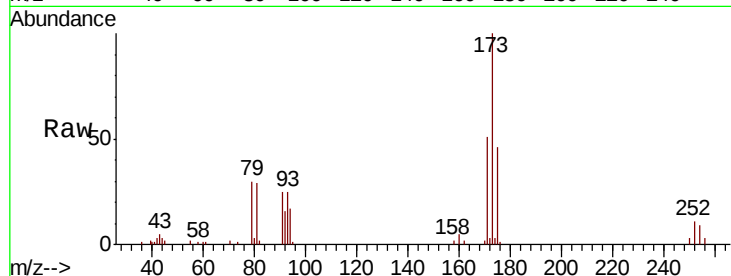




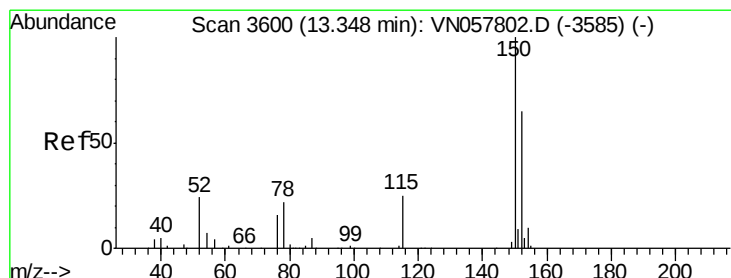
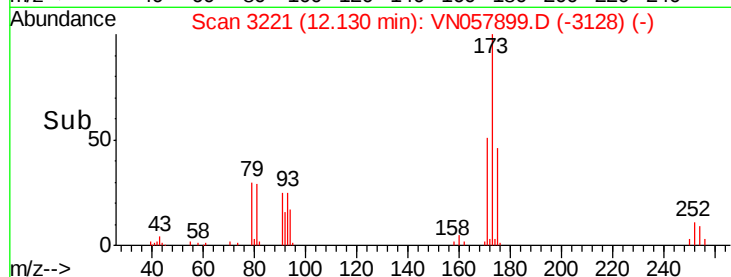
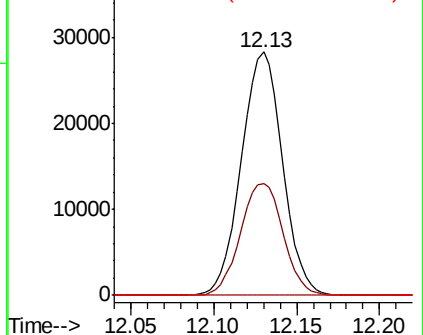
#71
Bromoform
Concen: 17.443 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tgt Ion:173 Resp: 49045
Ion Ratio Lower Upper
173 100
175 47.4 23.5 70.6
254 0.0 0.1 0.1#

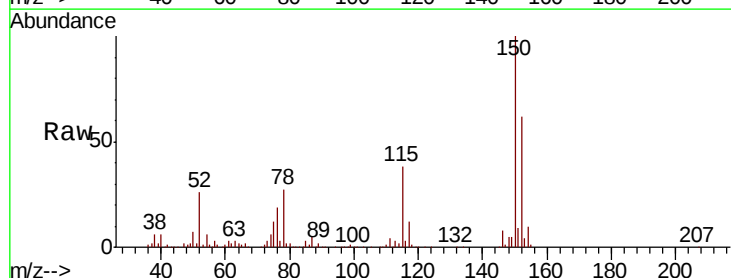


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

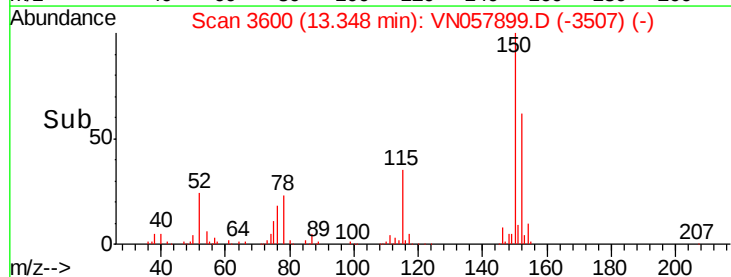
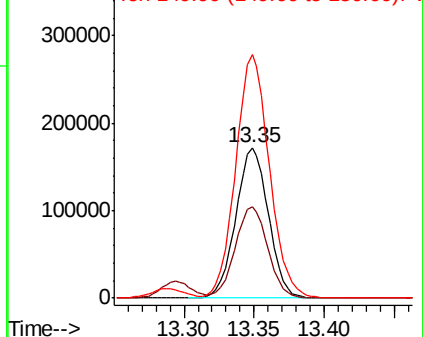


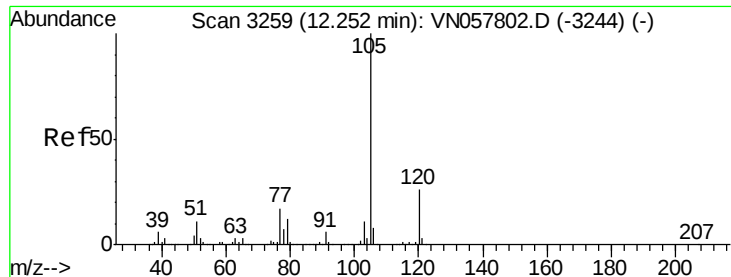
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:152 Resp: 278196
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 167.2 0.0 352.4



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





#73

Isopropylbenzene

Concen: 20.723 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

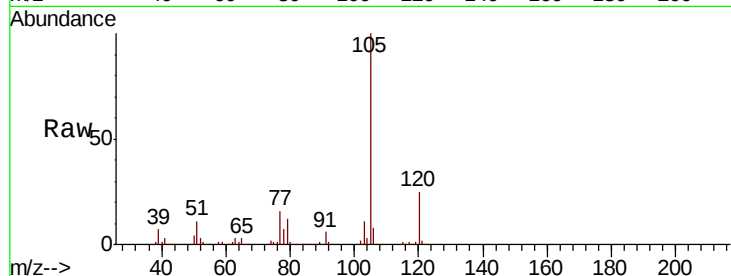
VN0911WBS02

Tgt Ion: 105 Resp: 447353

Ion Ratio Lower Upper

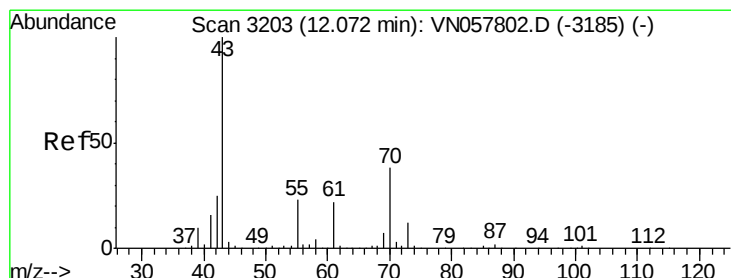
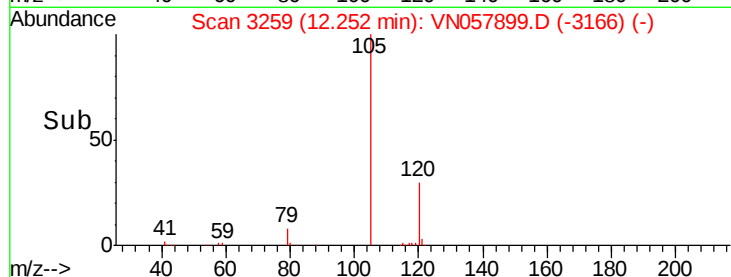
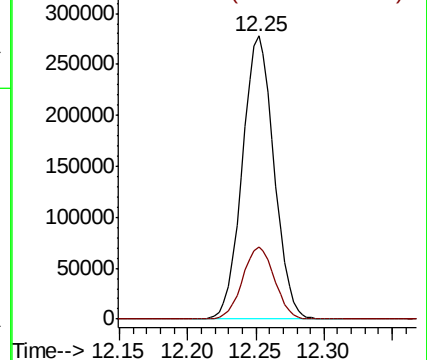
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.530 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Tgt Ion: 43 Resp: 183479

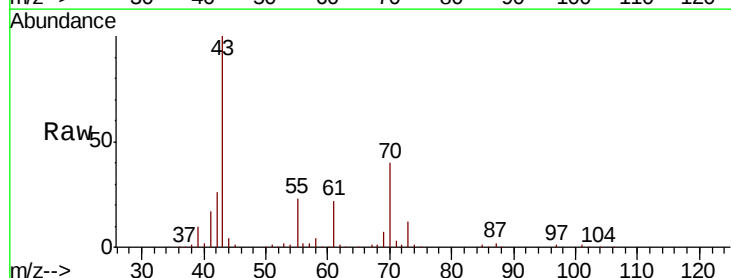
Ion Ratio Lower Upper

43 100

70 40.3 30.6 45.8

55 23.2 18.6 27.8

61 21.5 17.4 26.2

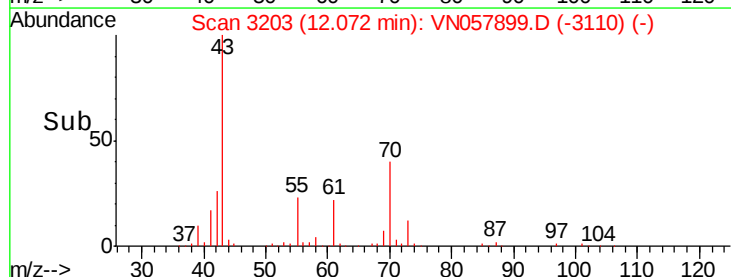
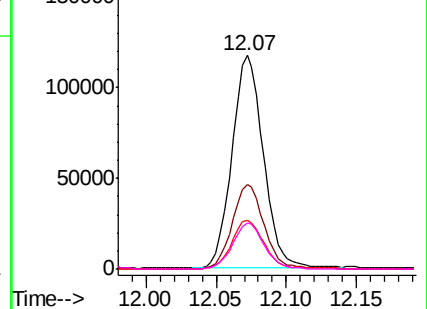


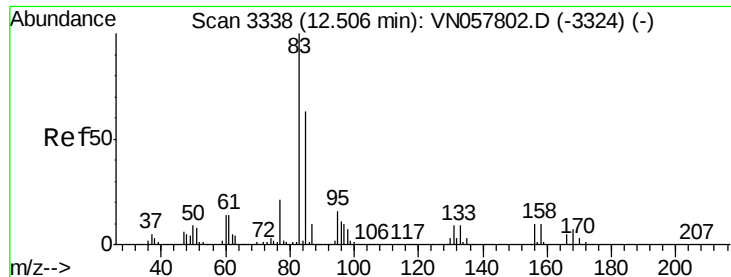
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.913 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

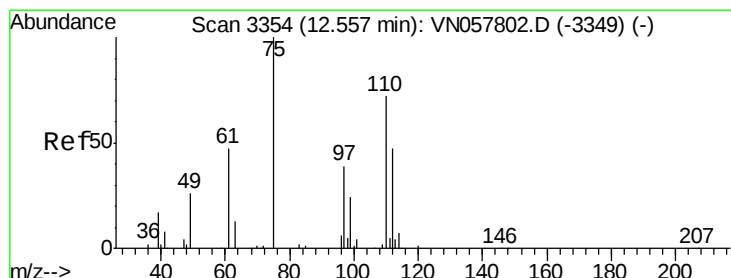
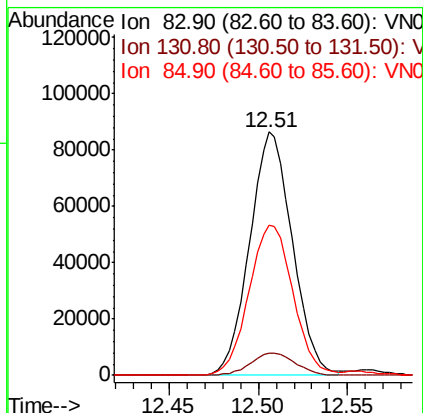
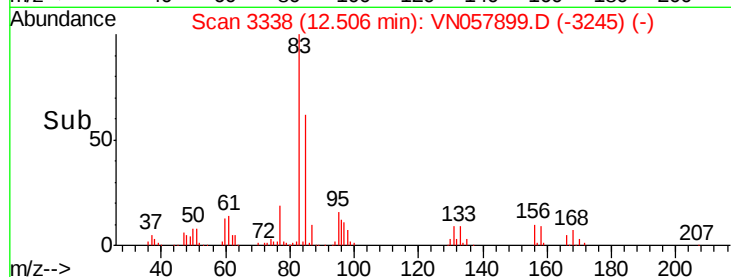
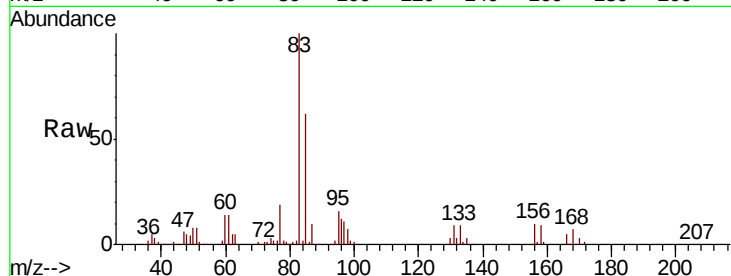
Tgt Ion: 83 Resp: 144735

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 63.6 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 25.986 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057899.D

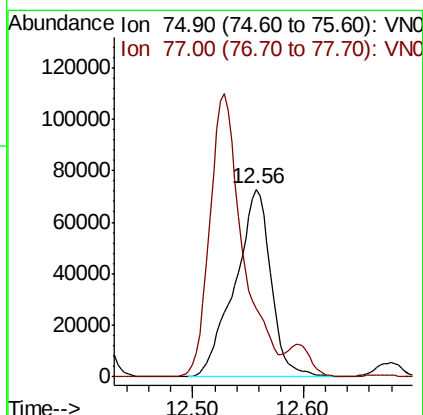
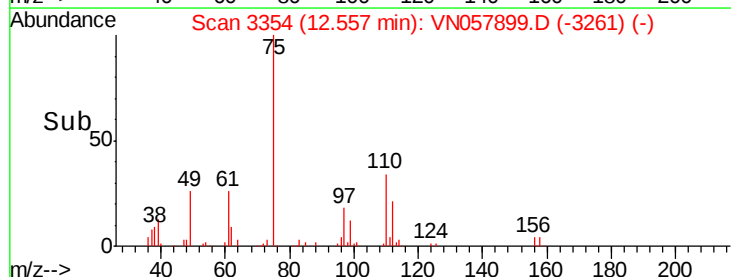
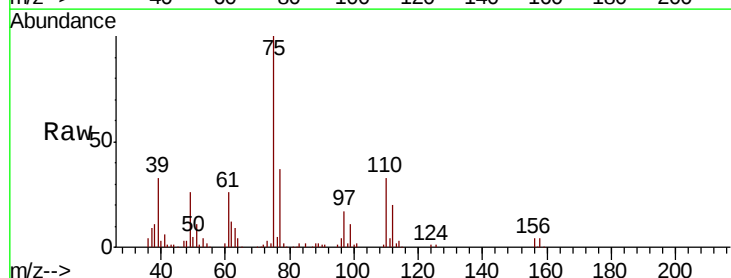
Acq: 11 Sep 2019 5:32

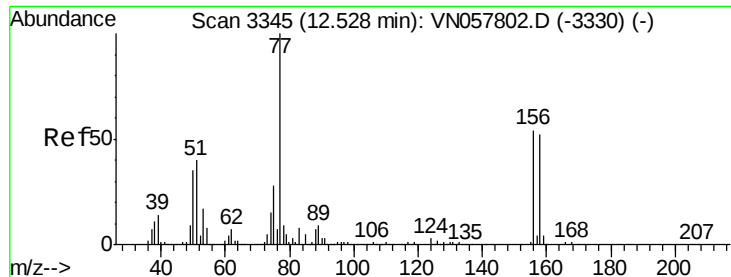
Tgt Ion: 75 Resp: 163535

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.523 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

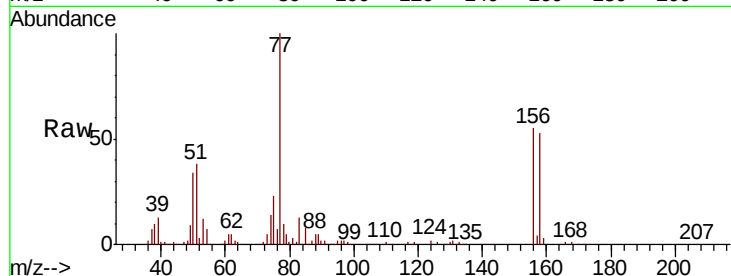
Tgt Ion:156 Resp: 105074

Ion Ratio Lower Upper

156 100

77 217.2 113.7 341.1

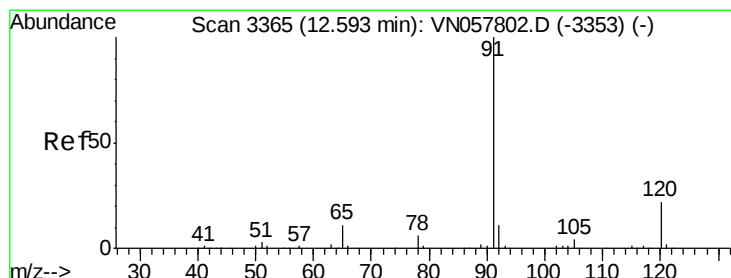
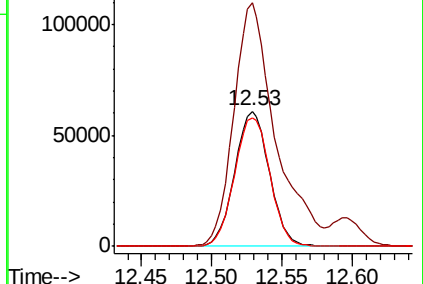
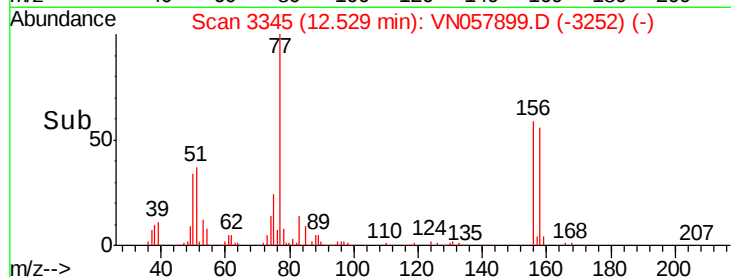
158 97.3 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.865 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057899.D

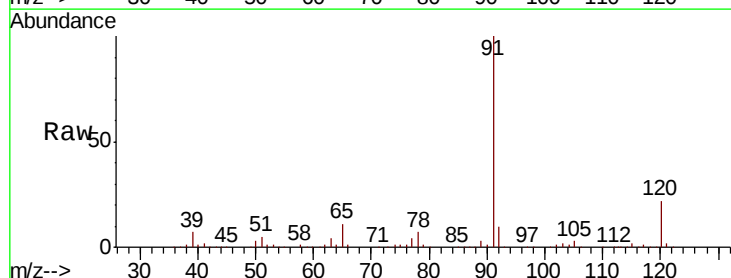
Acq: 11 Sep 2019 5:32

Tgt Ion: 91 Resp: 517206

Ion Ratio Lower Upper

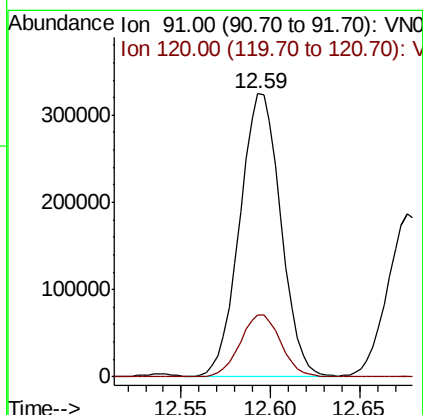
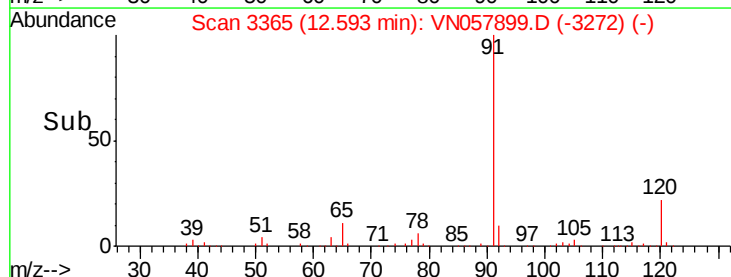
91 100

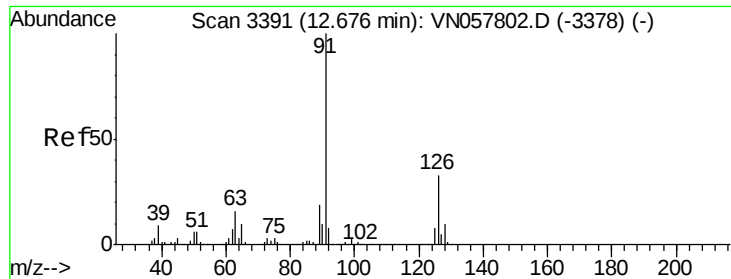
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.398 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampled :

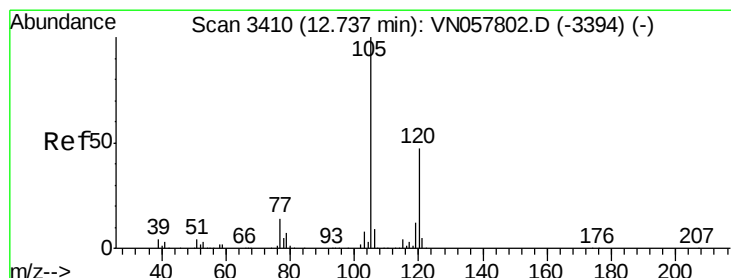
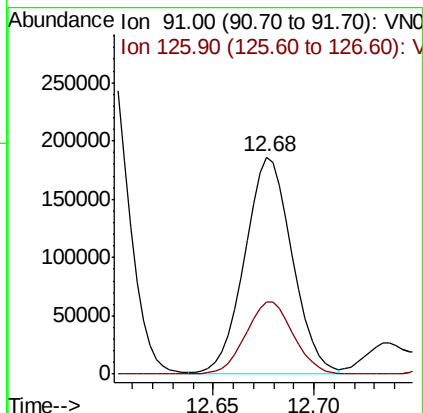
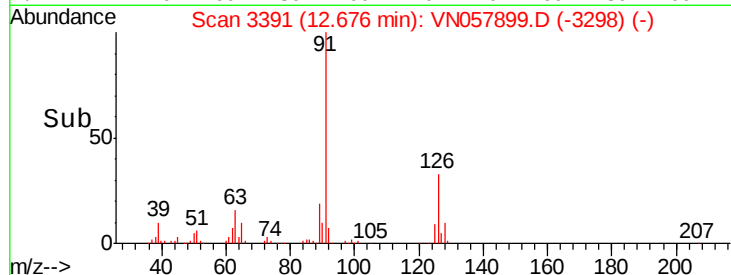
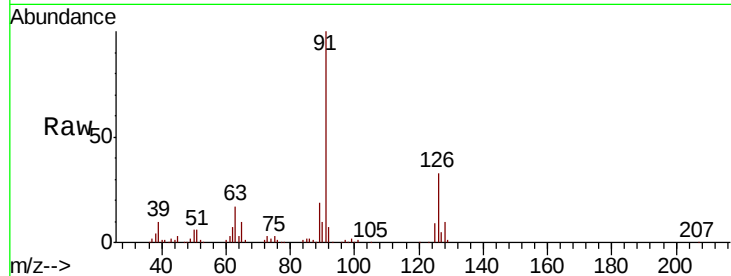
VN0911WBS02

Tgt Ion: 91 Resp: 303910

Ion Ratio Lower Upper

91 100

126 33.6 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.641 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057899.D

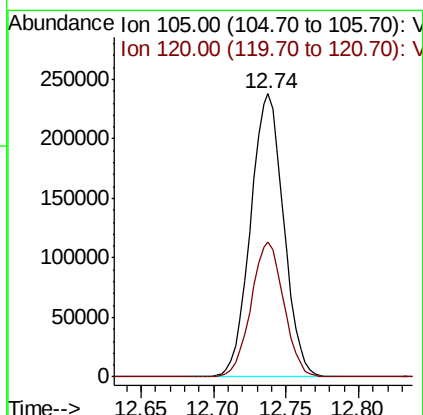
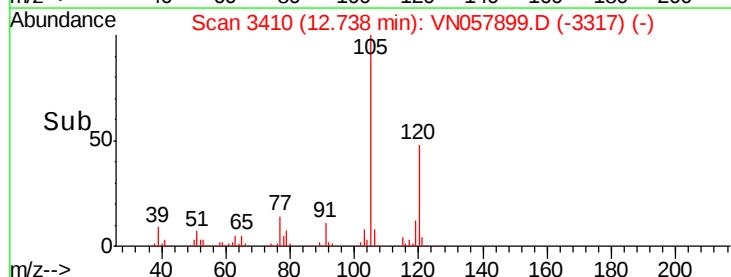
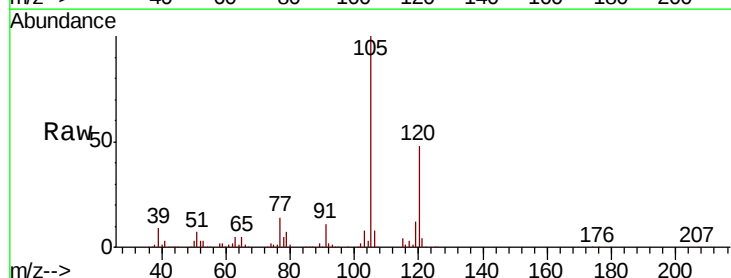
Acq: 11 Sep 2019 5:32

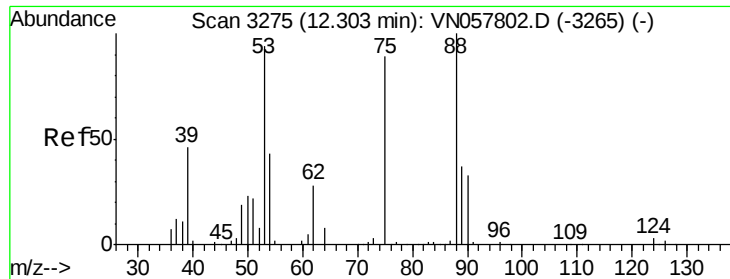
Tgt Ion: 105 Resp: 376481

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.207 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS02

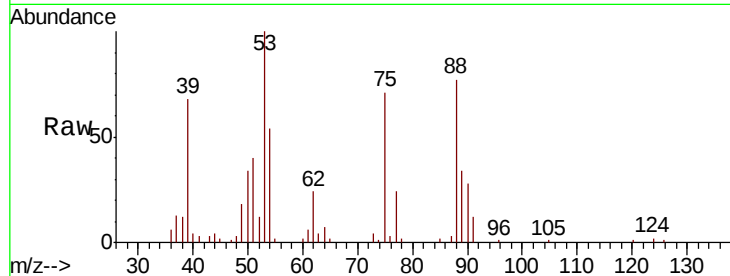
Tgt Ion: 75 Resp: 25408

Ion Ratio Lower Upper

75 100

53 133.4 88.4 132.6#

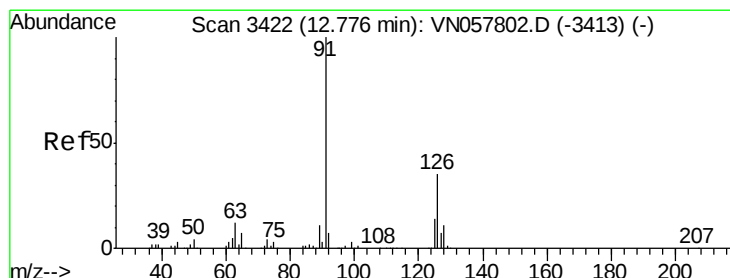
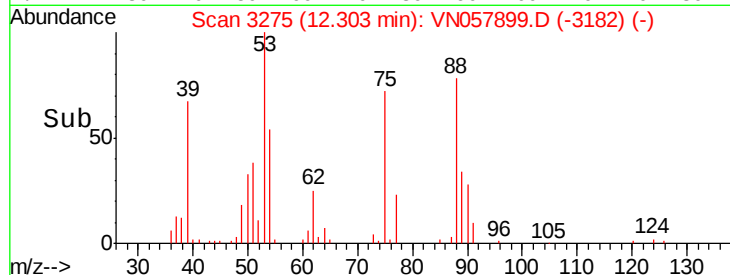
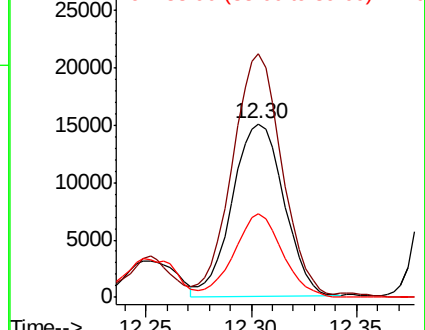
89 45.8 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.890 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057899.D

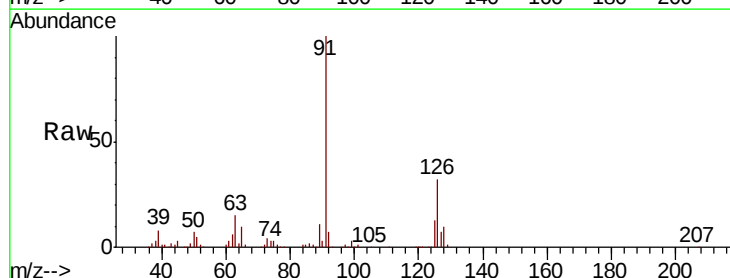
Acq: 11 Sep 2019 5:32

Tgt Ion: 91 Resp: 320016

Ion Ratio Lower Upper

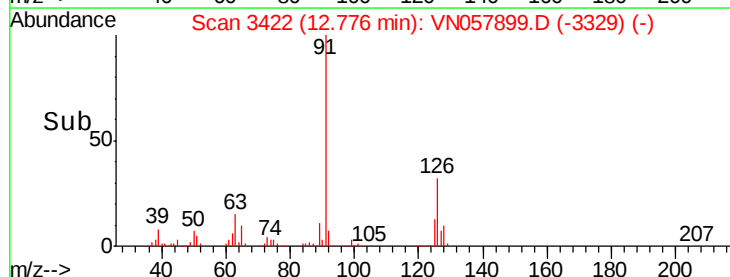
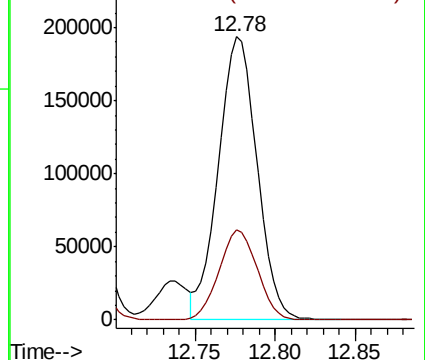
91 100

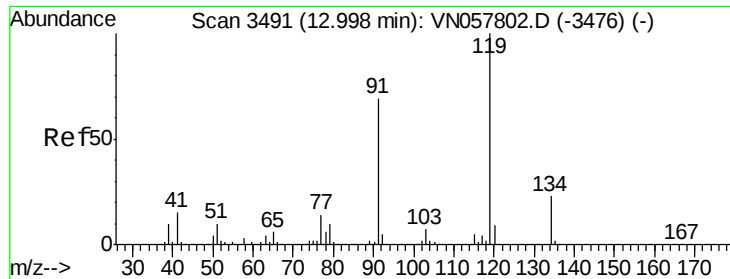
126 31.8 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

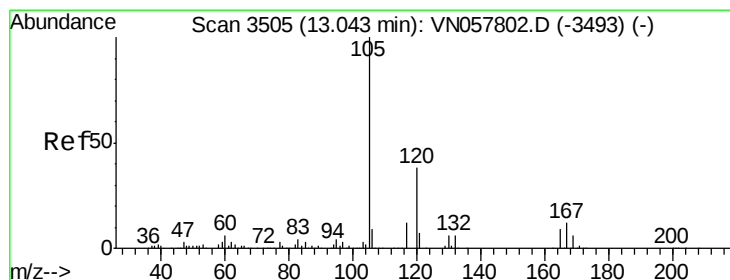
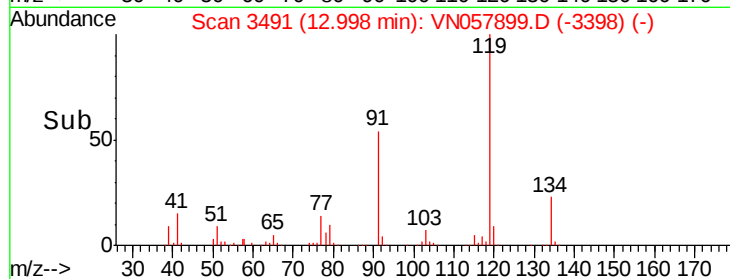
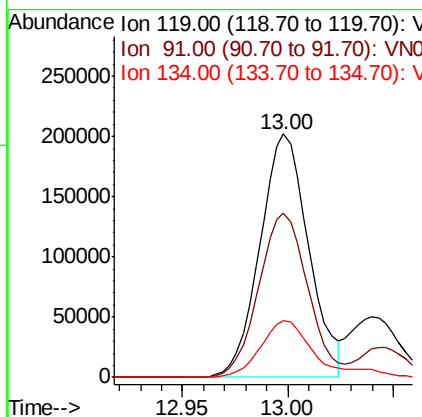
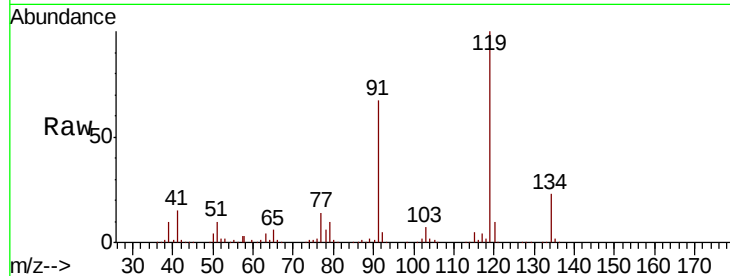




#83
 tert-Butylbenzene
 Concen: 20.012 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

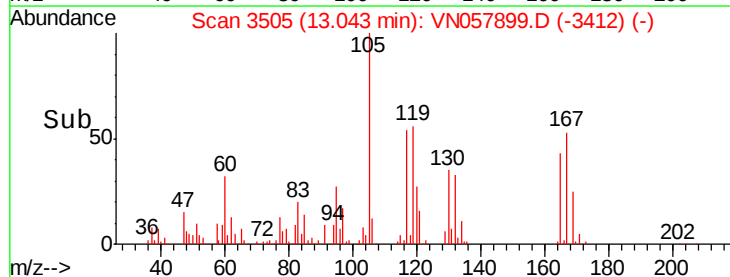
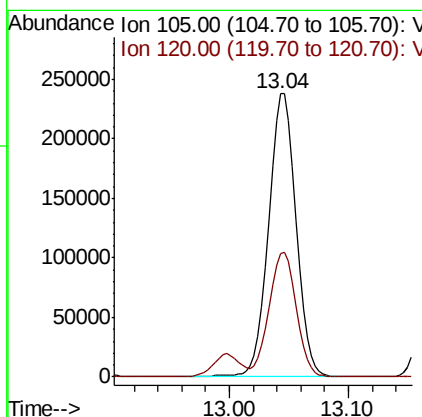
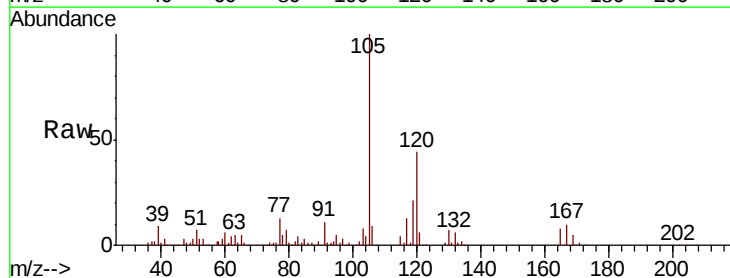
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

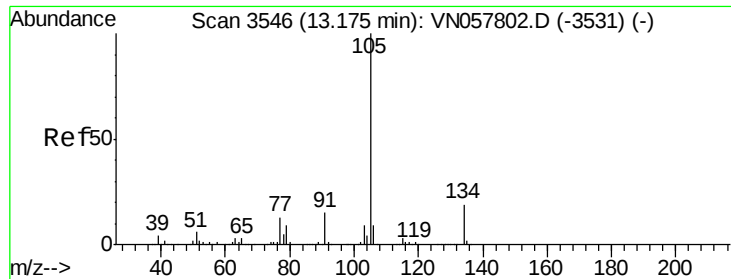
Tgt Ion:119 Resp: 324469
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.6 100.8
 134 26.5 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.536 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion:105 Resp: 380695
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.2

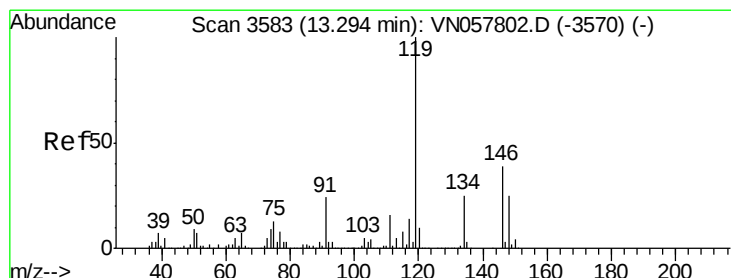
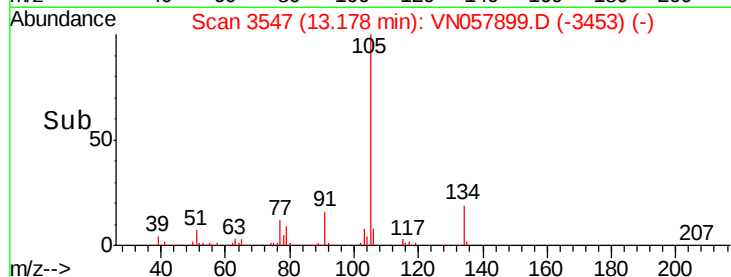
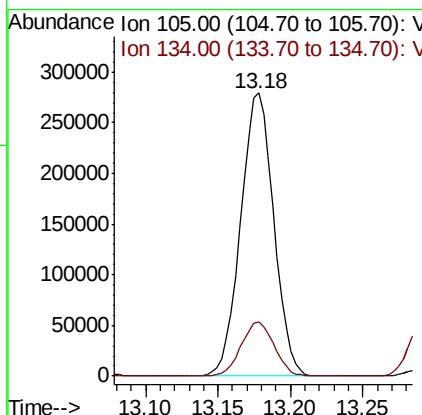
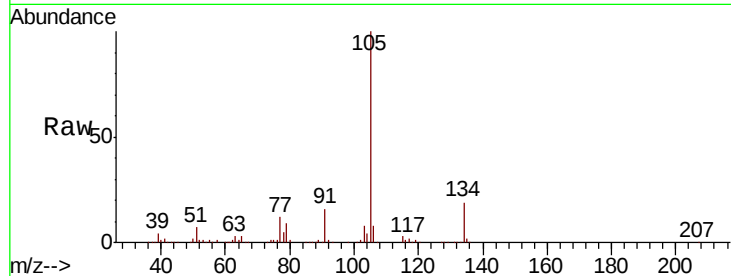




#85
 sec-Butylbenzene
 Concen: 20.588 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

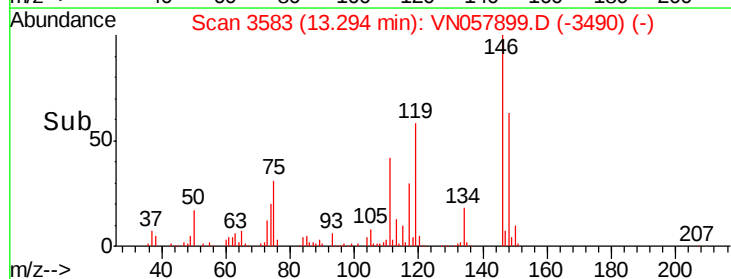
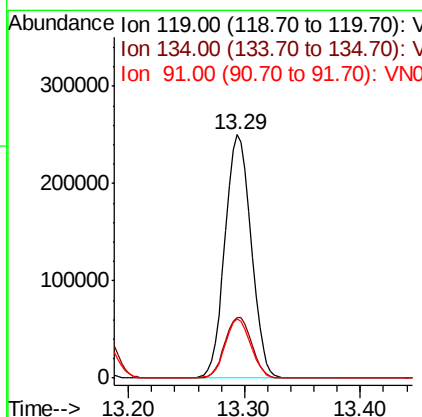
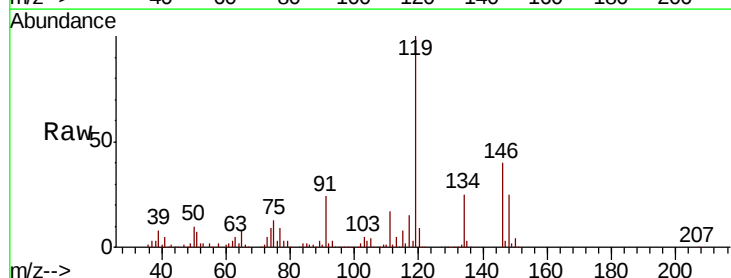
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

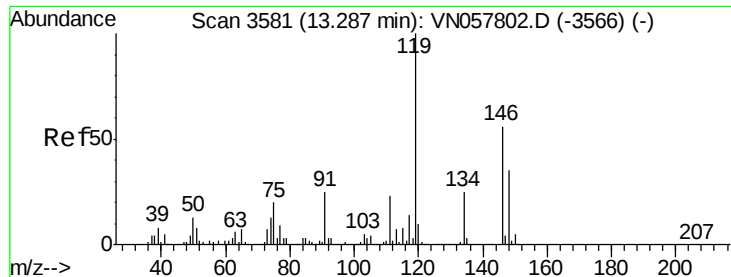
Tgt Ion:105 Resp: 442439
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.629 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion:119 Resp: 390596
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 23.7 12.3 36.8

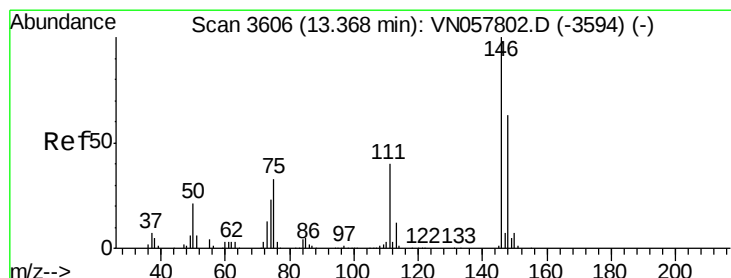
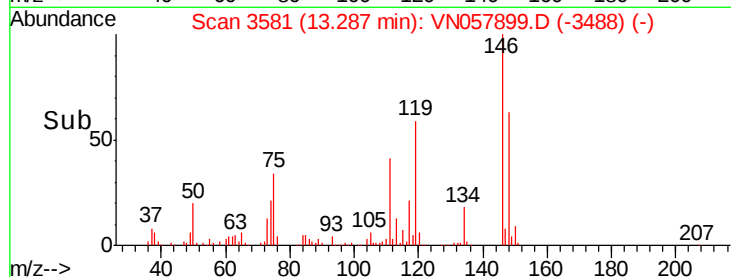
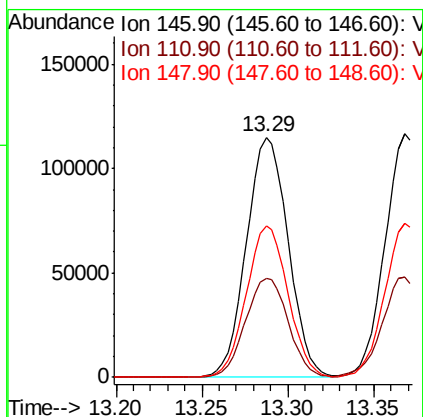
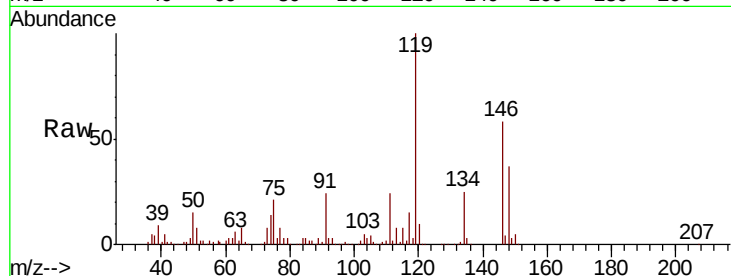




#87
 1,3-Dichlorobenzene
 Concen: 19.689 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

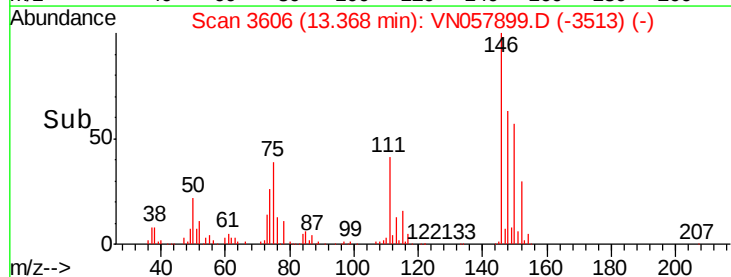
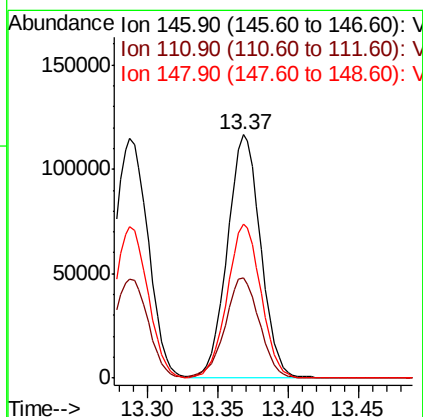
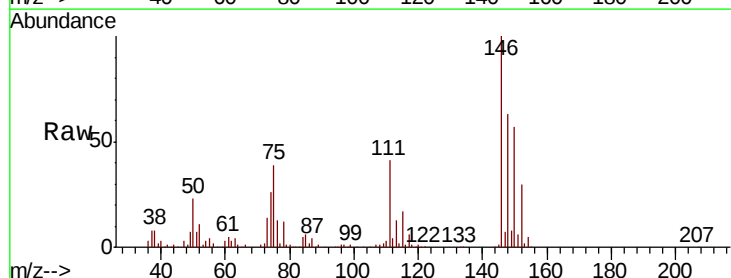
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

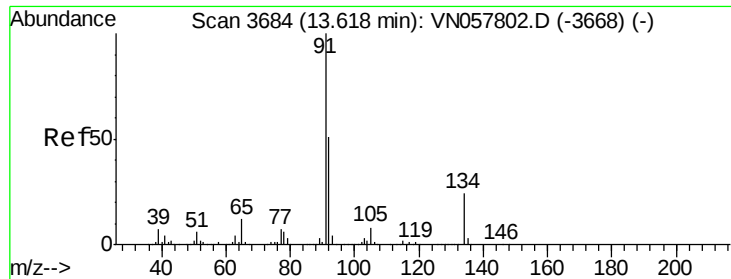
Tgt Ion:146 Resp: 194503
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.5 61.6
 148 62.7 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.113 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion:146 Resp: 191663
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.4 61.2
 148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 19.678 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBS02

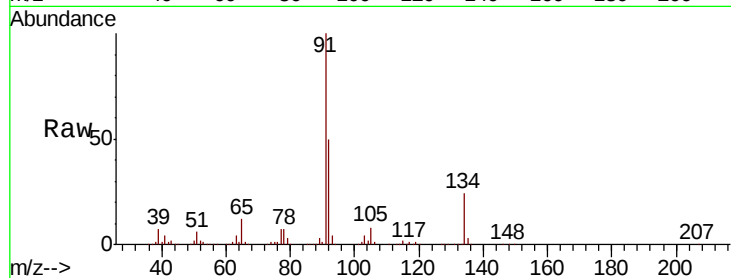
Tgt Ion: 91 Resp: 351862

Ion Ratio Lower Upper

91 100

92 50.3 25.7 77.0

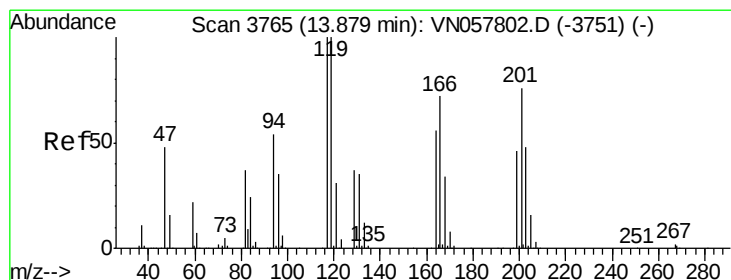
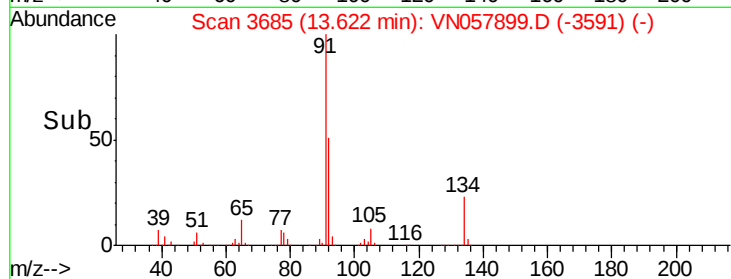
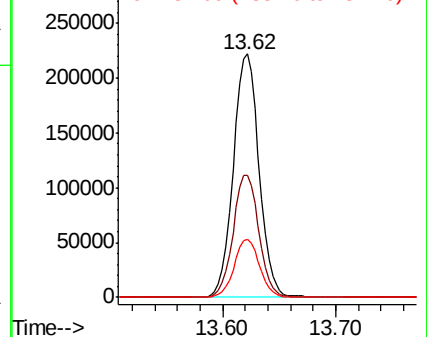
134 23.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.130 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057899.D

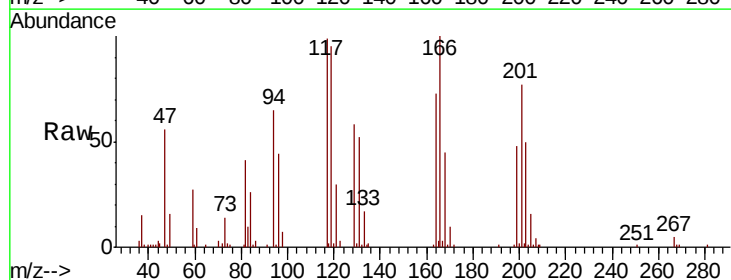
Acq: 11 Sep 2019 5:32

Tgt Ion: 117 Resp: 51053

Ion Ratio Lower Upper

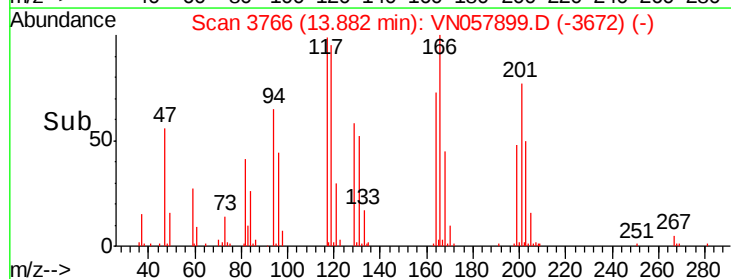
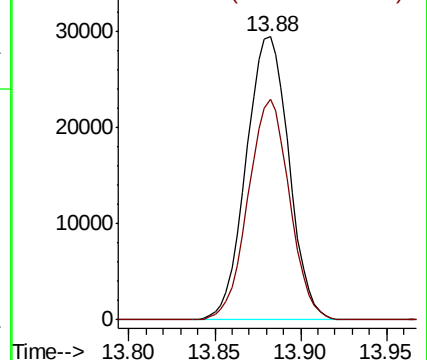
117 100

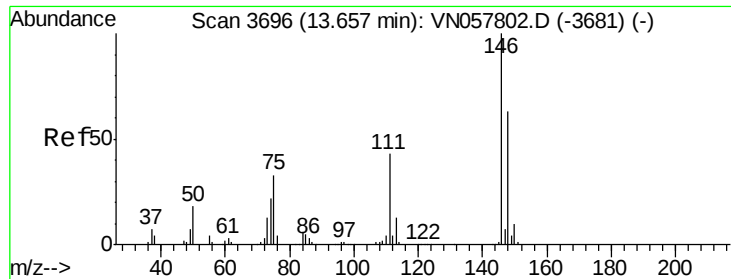
201 75.3 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 19.185 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

Instrument :

MSVOA_N

ClientSampled :

VN0911WBS02

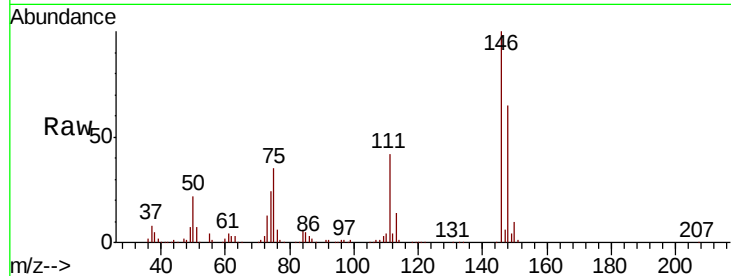
Tgt Ion:146 Resp: 189341

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

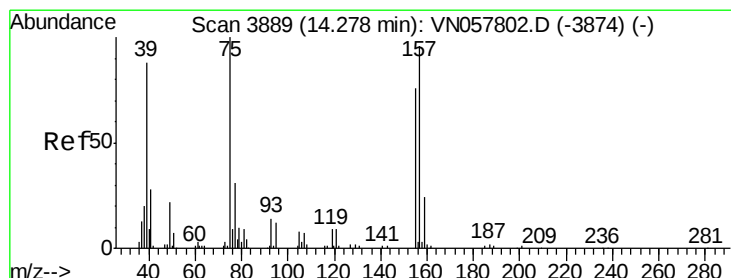
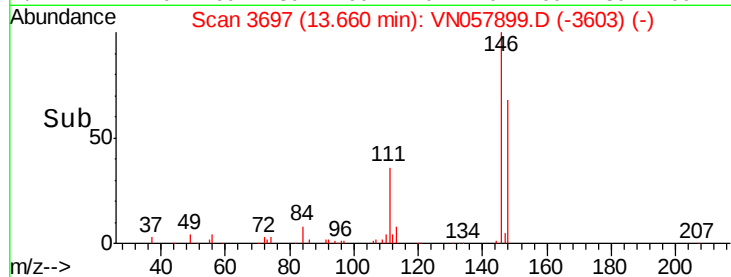
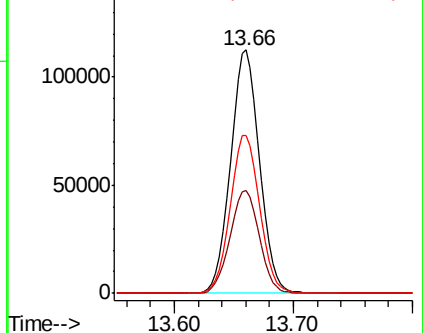
148 66.0 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.492 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057899.D

Acq: 11 Sep 2019 5:32

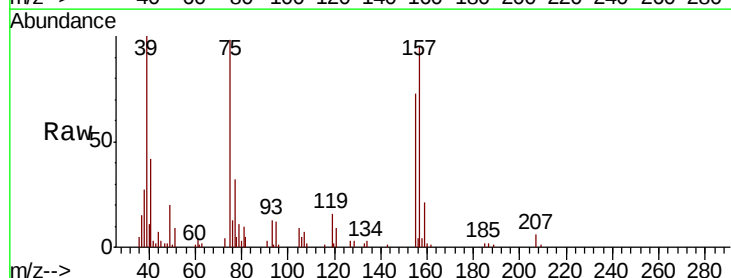
Tgt Ion: 75 Resp: 23397

Ion Ratio Lower Upper

75 100

155 74.8 37.3 111.8

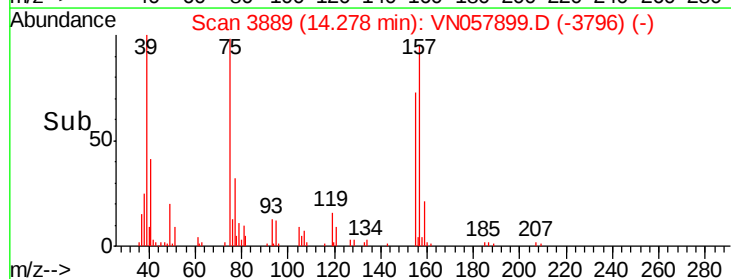
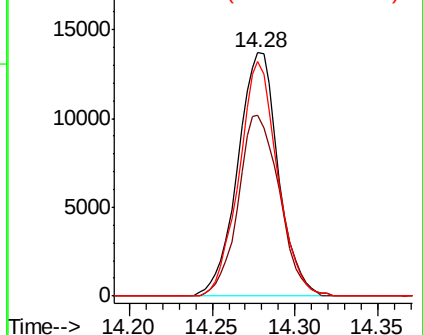
157 91.2 47.9 143.8



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

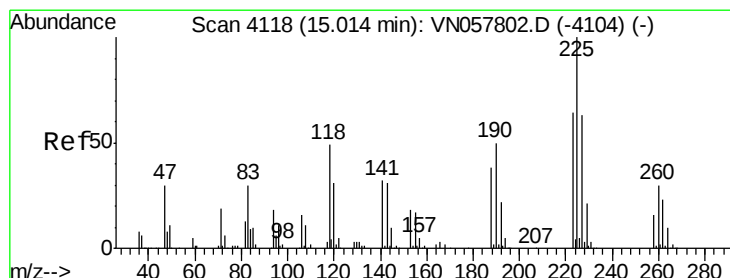
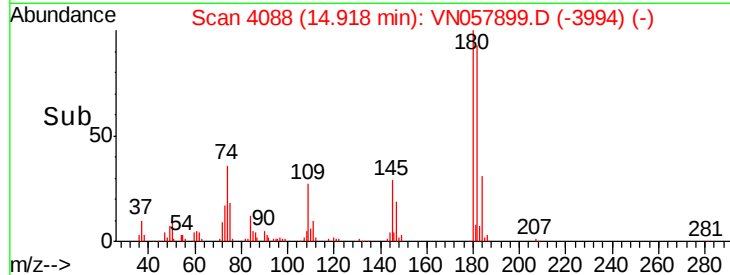
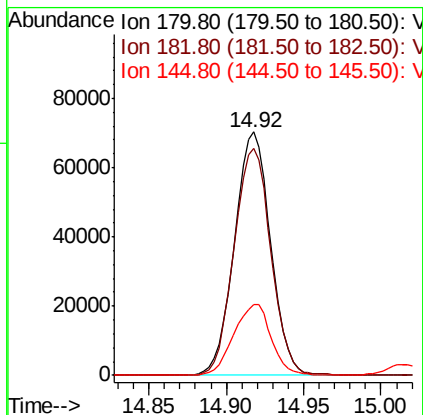
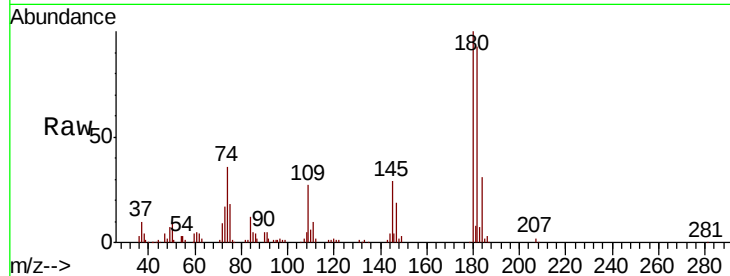




#93
 1,2,4-Trichlorobenzene
 Concen: 17.682 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

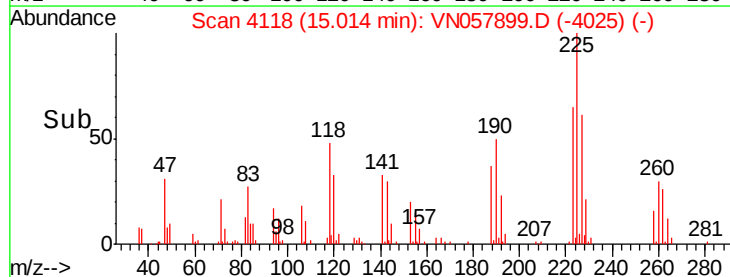
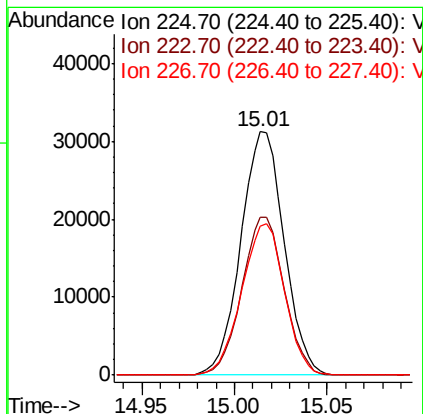
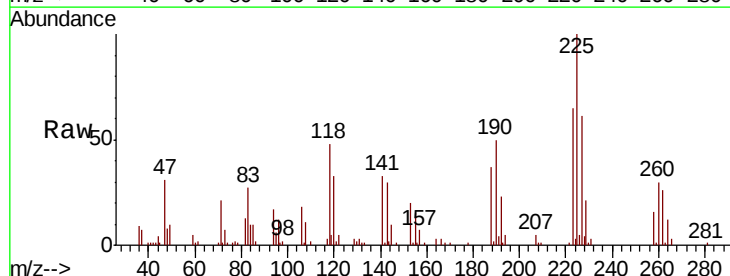
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBS02

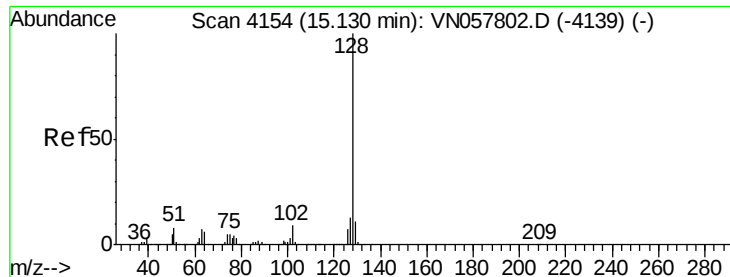
Tgt Ion:180 Resp: 114065
 Ion Ratio Lower Upper
 180 100
 182 95.0 46.9 140.8
 145 30.3 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.457 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057899.D
 Acq: 11 Sep 2019 5:32

Tgt Ion:225 Resp: 50471
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.4 97.2
 227 61.7 31.8 95.4

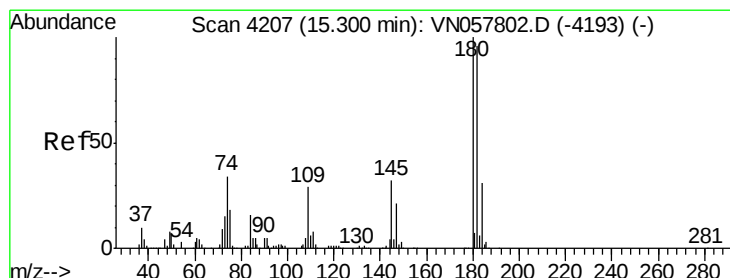
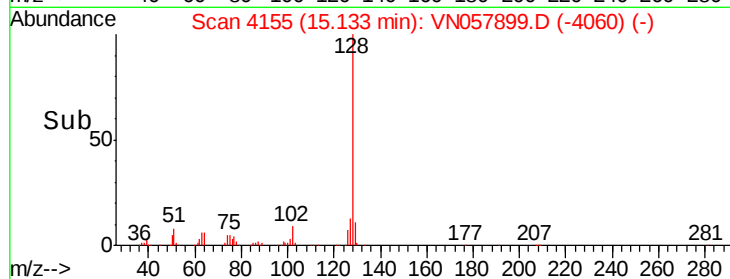
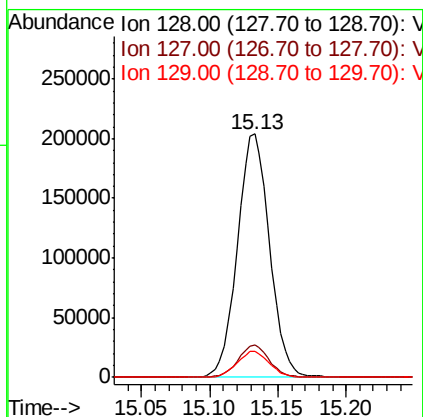
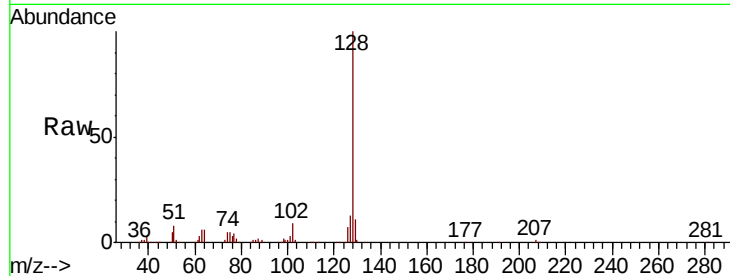




#95
Naphthalene
Concen: 19.544 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS02

Tgt Ion:128 Resp: 333879
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.928 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057899.D
Acq: 11 Sep 2019 5:32

Tgt Ion:180 Resp: 108779
Ion Ratio Lower Upper
180 100
182 98.3 48.3 144.8
145 33.2 16.3 48.8

