

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057552.D
 Acq On : 29 Aug 2019 16:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	137857	18.92	ug/l	0.00
Spiked Amount						
			Recovery	=	37.84%	
35) Dibromofluoromethane	7.58	113	111633	23.55	ug/l	0.00
Spiked Amount						
			Recovery	=	47.10%	
50) Toluene-d8	10.09	98	420258	23.36	ug/l	0.00
Spiked Amount						
			Recovery	=	46.72%	
62) 4-Bromofluorobenzene	12.40	95	131051	21.48	ug/l	0.00
Spiked Amount						
			Recovery	=	42.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	101182	20.492	ug/l	96
3) Chloromethane	2.06	50	94995	14.037	ug/l	94
4) Vinyl Chloride	2.19	62	145235	17.249	ug/l	99
5) Bromomethane	2.55	94	121392	21.929	ug/l	97
6) Chloroethane	2.70	64	92460	16.918	ug/l	100
7) Trichlorofluoromethane	3.01	101	308325	22.452	ug/l	100
8) Diethyl Ether	3.40	74	97618	19.289	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180561	23.406	ug/l #	86
10) Methyl Iodide	3.93	142	295117	40.955	ug/l	95
11) Tert butyl alcohol	4.80	59	69105	78.490	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	170740	23.019	ug/l #	73
13) Acrolein	3.59	56	60482	79.166	ug/l	96
14) Allyl chloride	4.30	41	124161	12.647	ug/l #	83
15) Acrylonitrile	4.98	53	173872	73.230	ug/l	99
16) Acetone	3.81	43	285600	81.130	ug/l	94
17) Carbon Disulfide	4.03	76	221130	16.502	ug/l	98
18) Methyl Acetate	4.31	43	87647	10.532	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	317124	18.400	ug/l	91
20) Methylene Chloride	4.53	84	100700	18.175	ug/l #	78
21) trans-1,2-Dichloroethene	5.02	96	102048	19.928	ug/l #	80
22) Diisopropyl ether	5.94	45	275808	14.241	ug/l #	88
23) Vinyl Acetate	5.88	43	1105672	72.717	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	177282	16.787	ug/l	97
25) 2-Butanone	6.83	43	231902	66.210	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	180156	19.138	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	122697	20.125	ug/l	83
28) Bromochloromethane	7.18	49	80210	14.719	ug/l #	60
29) Tetrahydrofuran	7.21	42	144912	63.365	ug/l #	73
30) Chloroform	7.36	83	212700	18.791	ug/l	97
31) Cyclohexane	7.64	56	162048	16.236	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	196433	20.742	ug/l	94
36) 1,1-Dichloropropene	7.78	75	148073	21.411	ug/l	95
37) Ethyl Acetate	6.92	43	96065	15.032	ug/l #	92
38) Carbon Tetrachloride	7.76	117	166034	23.433	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	185515	22.364	ug/l #	85
40) Benzene	8.03	78	448989	21.583	ug/l	99
41) Methacrylonitrile	7.16	41	39564	13.087	ug/l #	80
42) 1,2-Dichloroethane	8.11	62	159914	20.239	ug/l	96
43) Isopropyl Acetate	8.16	43	181035	15.358	ug/l #	89
44) Trichloroethene	8.83	130	122059	25.314	ug/l	87
45) 1,2-Dichloropropane	9.11	63	106189	18.651	ug/l	99
46) Dibromomethane	9.20	93	82641	21.959	ug/l #	89
47) Bromodichloromethane	9.40	83	169975	21.833	ug/l	95
48) Methyl methacrylate	9.19	41	80951	14.528	ug/l #	76
49) 1,4-Dioxane	9.20	88	32865	430.796	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	498255	76.102	ug/l	89
52) Toluene	10.15	92	292357	23.744	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159915	19.768	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177059	19.744	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	113030	22.808	ug/l	97
56) Ethyl methacrylate	10.43	69	149192	19.875	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	176662	20.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	160387	90.367	ug/l #	84
59) 2-Hexanone	10.75	43	339465	75.448	ug/l	87
60) Dibromochloromethane	10.90	129	126555	23.637	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117105	23.853	ug/l	97
64) Tetrachloroethene	10.63	164	124638	27.936	ug/l	92
65) Chlorobenzene	11.43	112	312080	24.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	120434	24.688	ug/l	98
67) Ethyl Benzene	11.51	91	566461	23.565	ug/l	97
68) m/p-Xylenes	11.62	106	419458	50.216	ug/l	94
69) o-Xylene	11.95	106	209901	25.476	ug/l	91
70) Styrene	11.96	104	321412	24.603	ug/l	96
71) Bromoform	12.13	173	81148	24.488	ug/l #	98
73) Isopropylbenzene	12.25	105	563994	19.296	ug/l	99
74) N-amyl acetate	12.07	43	141803	11.335	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.51	83	139039	16.585	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	165022	25.460	ug/l #	100
77) Bromobenzene	12.53	156	125594	21.155	ug/l	73
78) n-propylbenzene	12.59	91	567102	18.427	ug/l	95
79) 2-Chlorotoluene	12.67	91	347385	18.942	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	459054	19.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35262	14.312	ug/l	92
82) 4-Chlorotoluene	12.77	91	327749	18.697	ug/l	94
83) tert-Butylbenzene	12.99	119	401721	19.421	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	437650	21.308	ug/l	98
85) sec-Butylbenzene	13.17	105	504629	20.016	ug/l	98
86) p-Isopropyltoluene	13.29	119	437187	21.011	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	192168	22.025	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	184729	21.719	ug/l	96
89) n-Butylbenzene	13.62	91	327325	18.992	ug/l	98
90) Hexachloroethane	13.88	117	84801	17.993	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	191751	23.044	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20888	15.480	ug/l	79

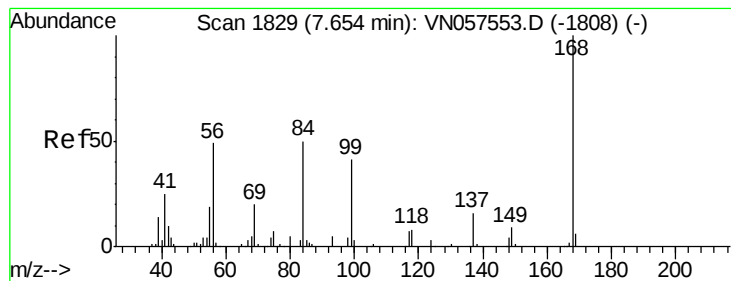
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52140	17.131	ug/l	96
94) Hexachlorobutadiene	15.01	225	61073	23.538	ug/l	98
95) Naphthalene	15.13	128	154345	15.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51310	16.271	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

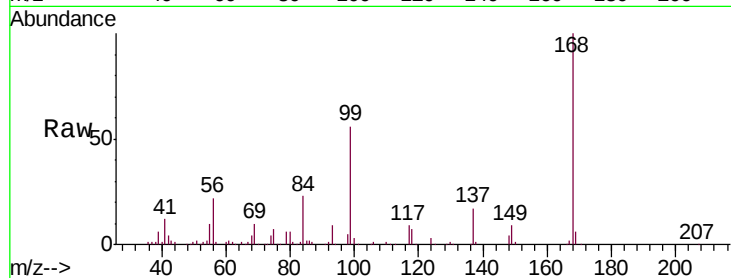
ClientSampled :

Tot Ion:168 Resp: 422948

Ion Ratio Lower Upper

168 100

99 56.0 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

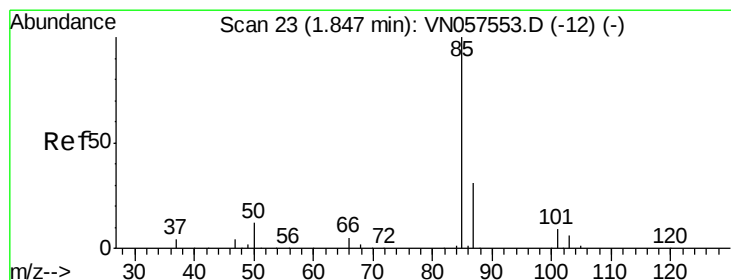
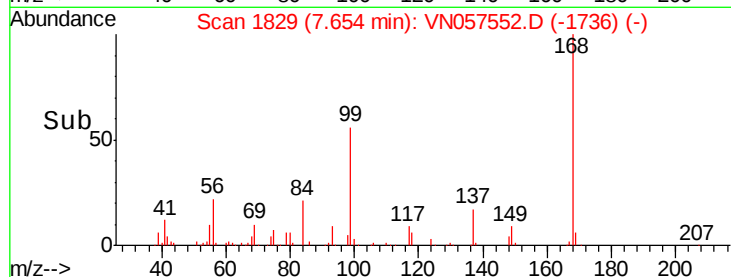
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.492 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057552.D

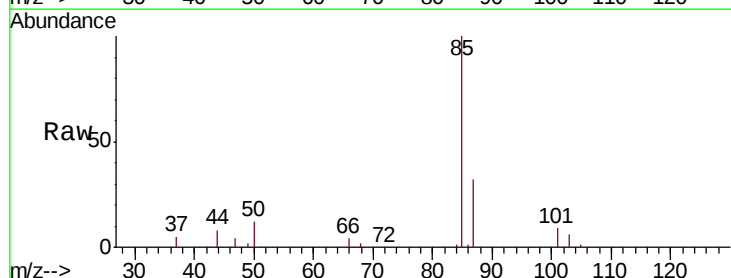
Acq: 29 Aug 2019 16:14

Tgt Ion: 85 Resp: 101182

Ion Ratio Lower Upper

85 100

87 31.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

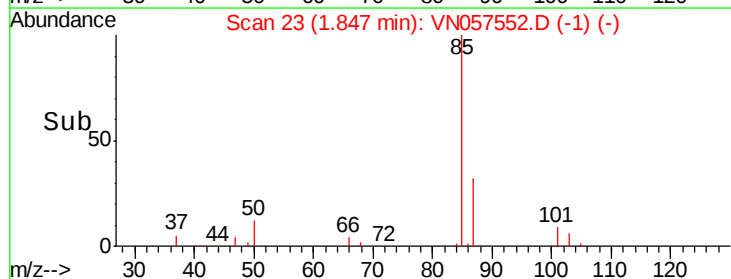
40000

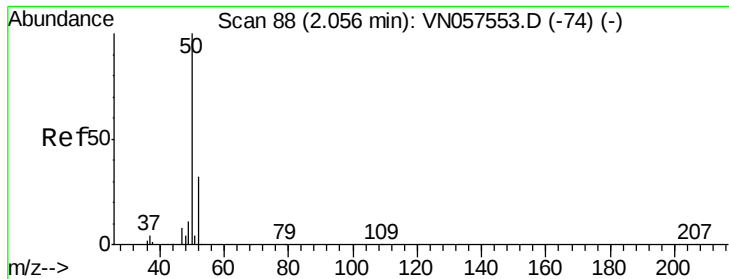
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 14.037 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

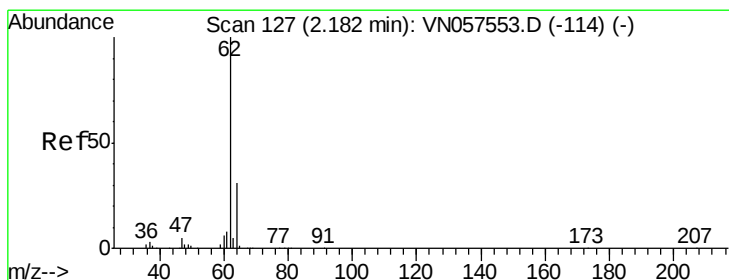
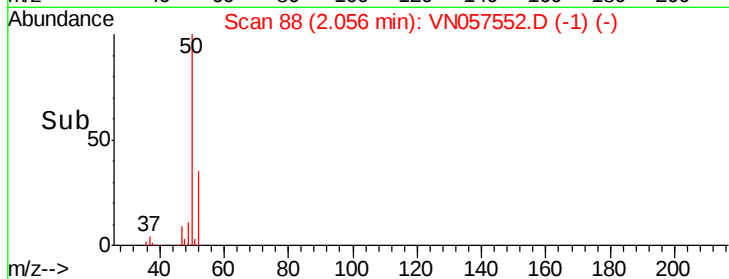
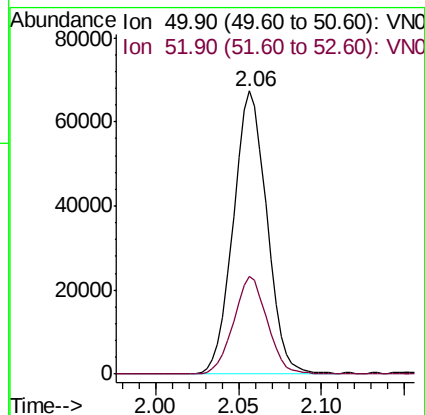
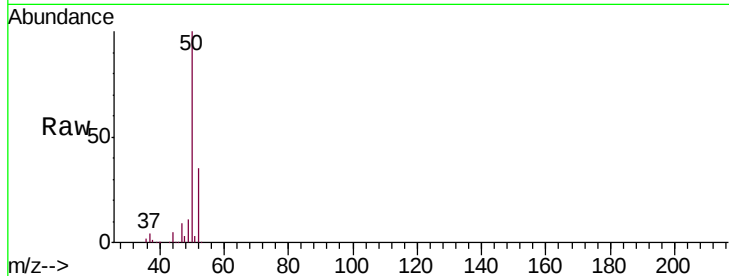
ClientSampleId :

Tot Ion: 50 Resp: 94995

Ion Ratio Lower Upper

50 100

52 34.6 25.1 37.7



#4

Vinyl Chloride

Concen: 17.249 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057552.D

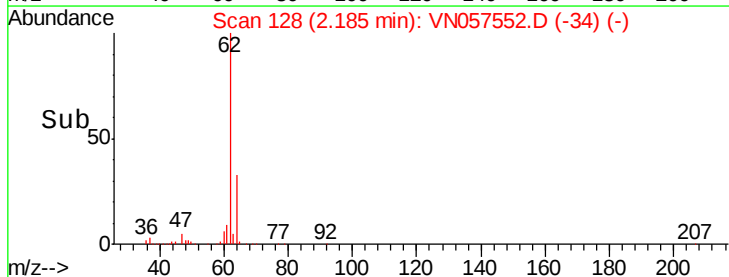
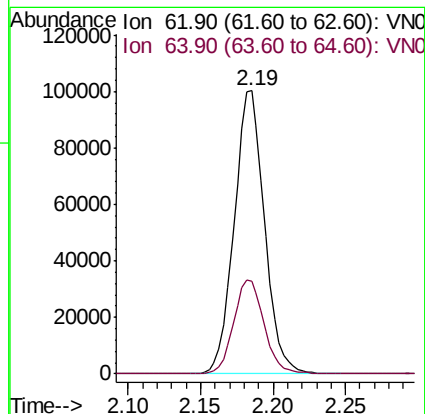
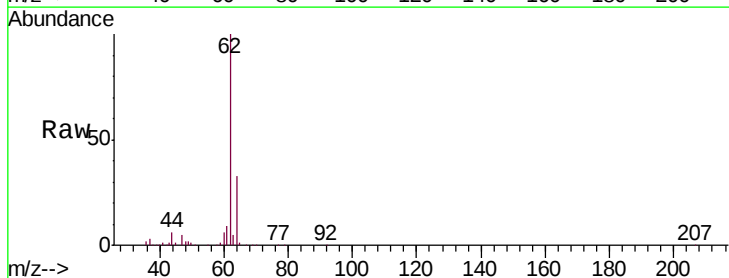
Acq: 29 Aug 2019 16:14

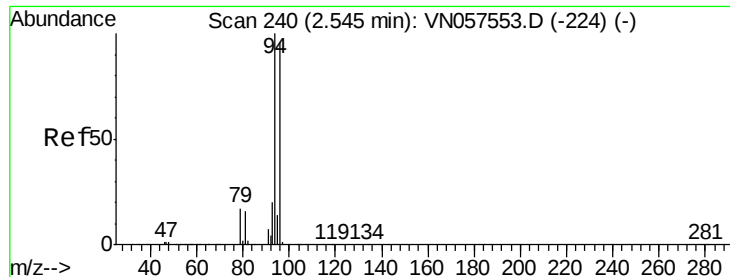
Tgt Ion: 62 Resp: 145235

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 21.929 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

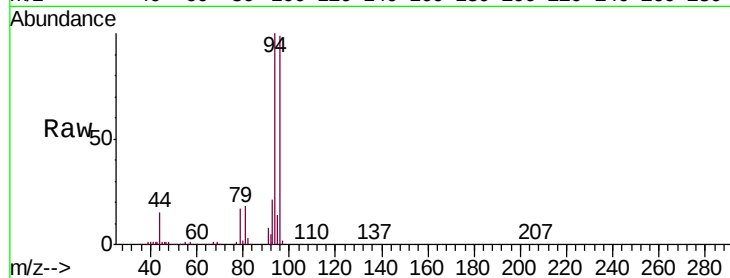
ClientSampleId :

Tot Ion: 94 Resp: 121392

Ion Ratio Lower Upper

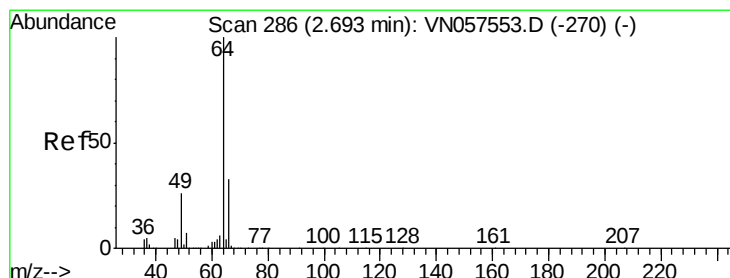
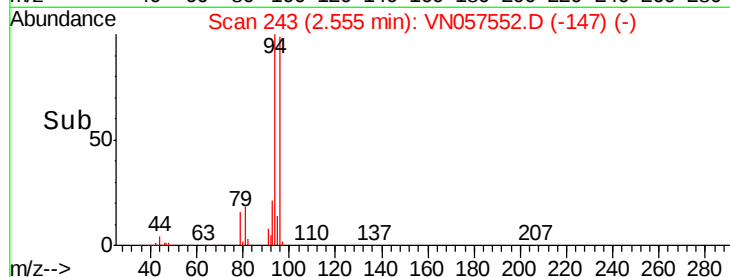
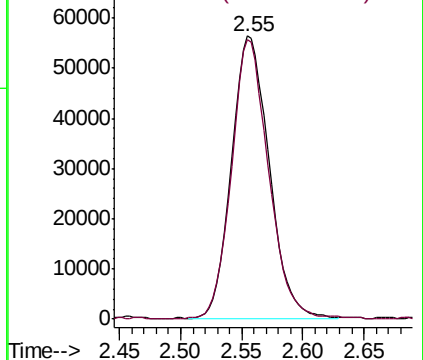
94 100

96 98.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.918 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057552.D

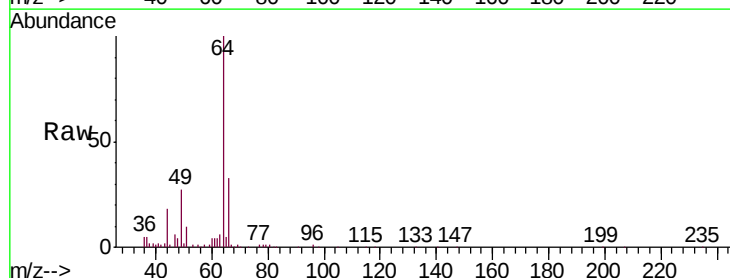
Acq: 29 Aug 2019 16:14

Tgt Ion: 64 Resp: 92460

Ion Ratio Lower Upper

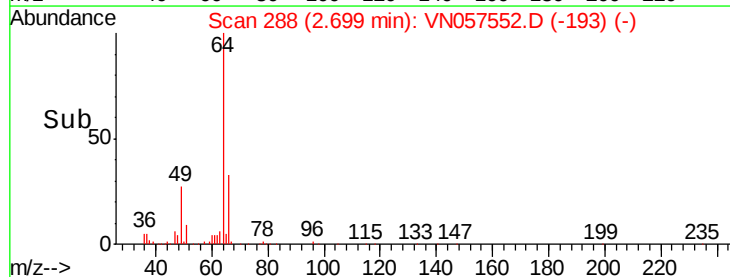
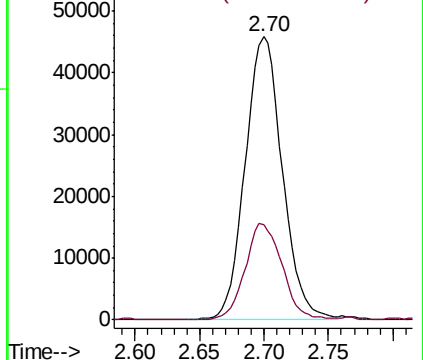
64 100

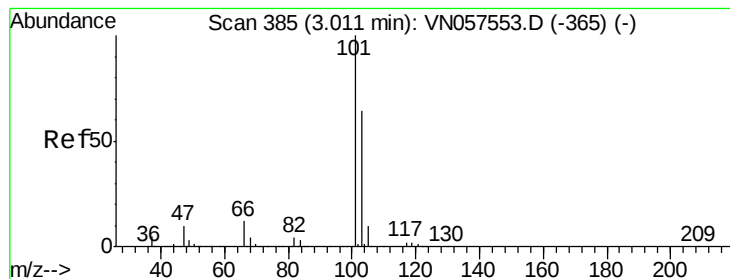
66 33.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



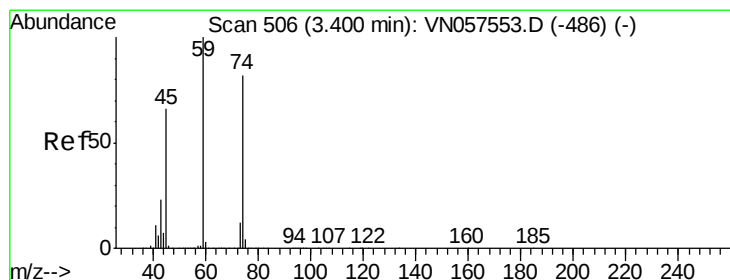
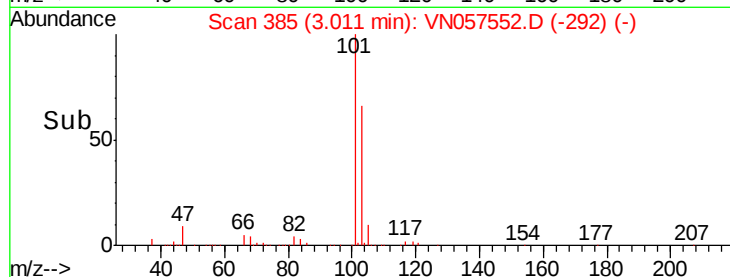
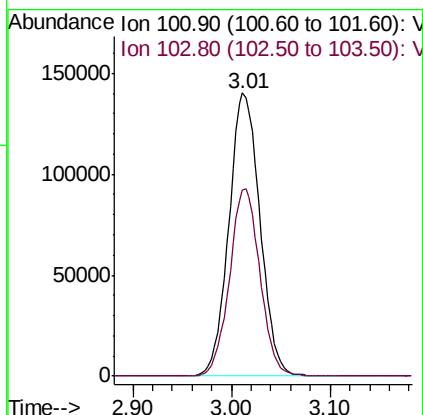
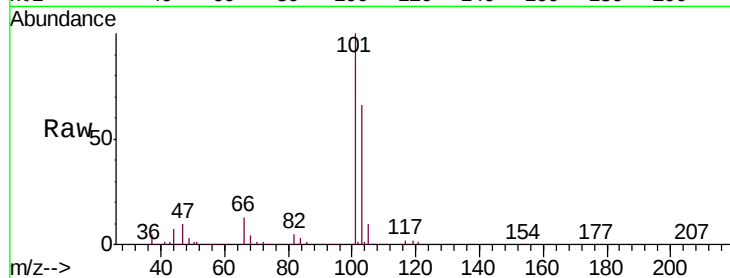


#7

Trichlorofluoromethane
 Concen: 22.452 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
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 ClientSampleId :

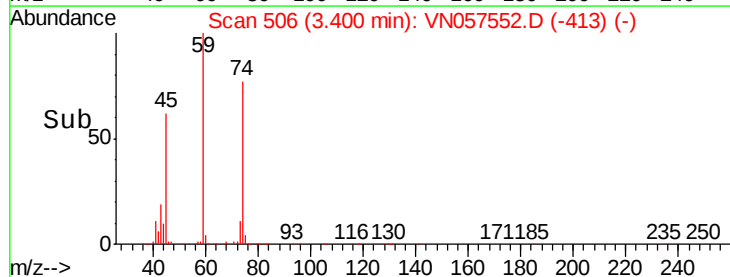
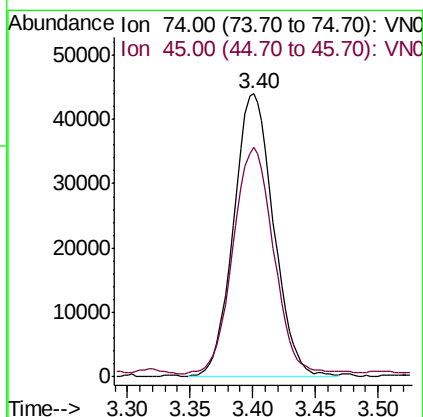
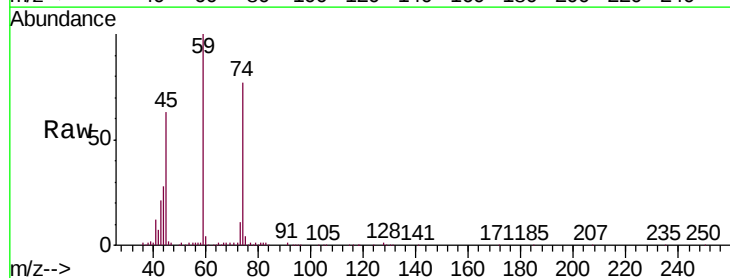
Tot Ion:101 Resp: 308325
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.6 78.8

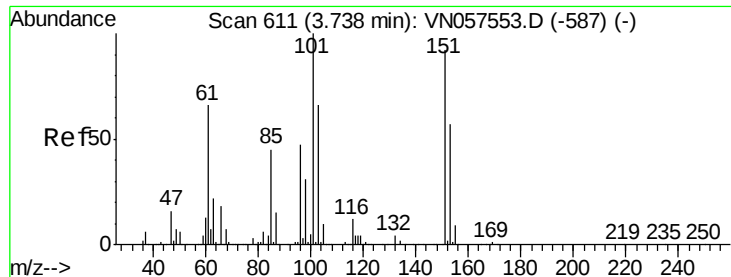


#8

Diethyl Ether
 Concen: 19.289 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion: 74 Resp: 97618
 Ion Ratio Lower Upper
 74 100
 45 81.7 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.406 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

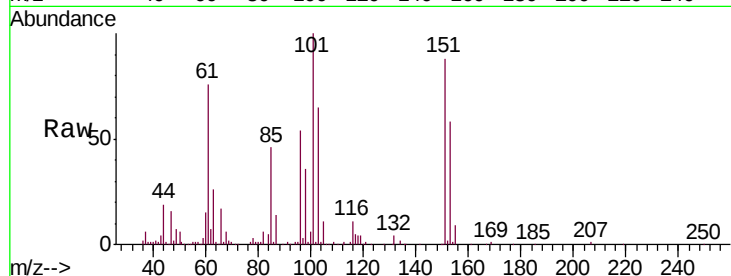
Tot Ion:101 Resp: 180561

Ion Ratio Lower Upper

101 100

85 44.4 40.0 60.0

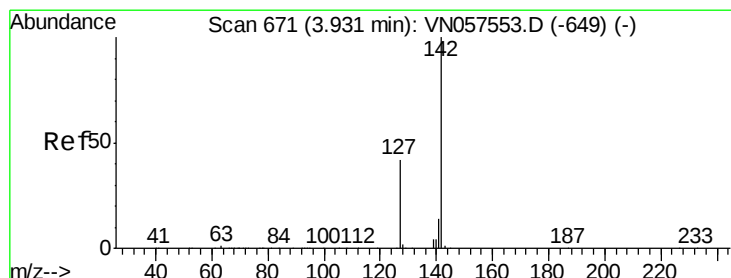
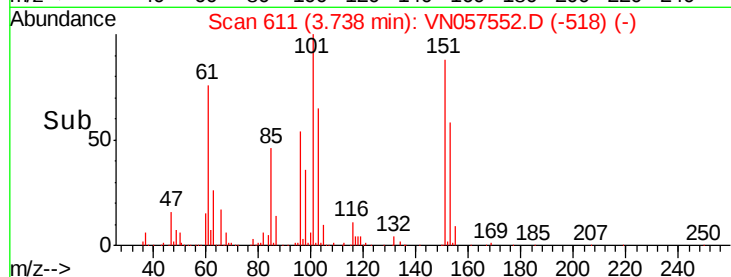
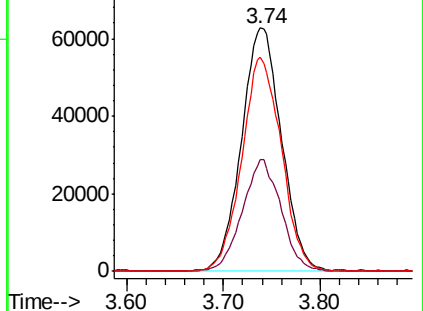
151 86.9 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.955 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

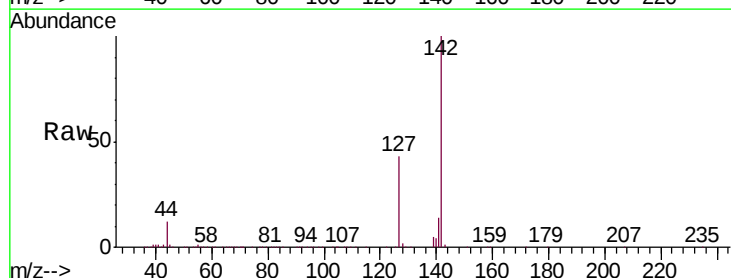
Tgt Ion:142 Resp: 295117

Ion Ratio Lower Upper

142 100

127 43.0 37.8 56.8

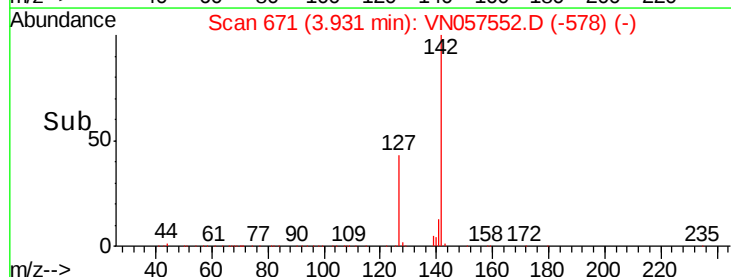
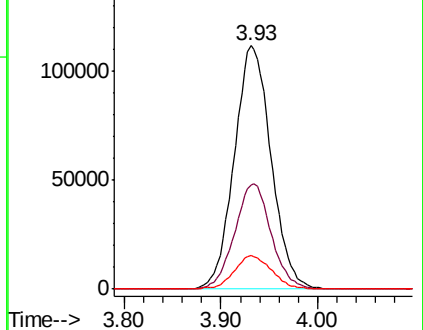
141 14.0 11.9 17.9

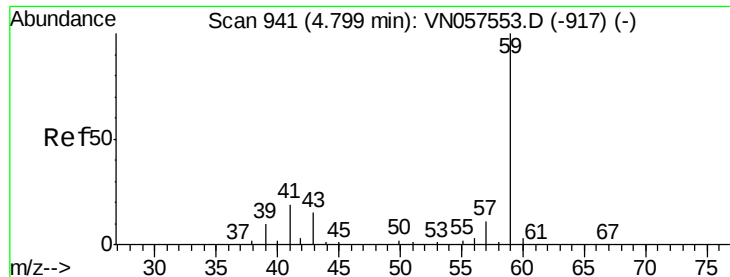


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

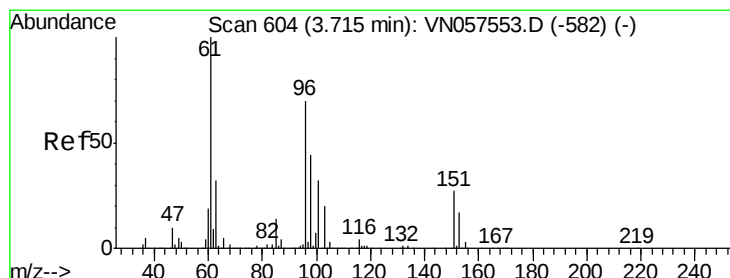
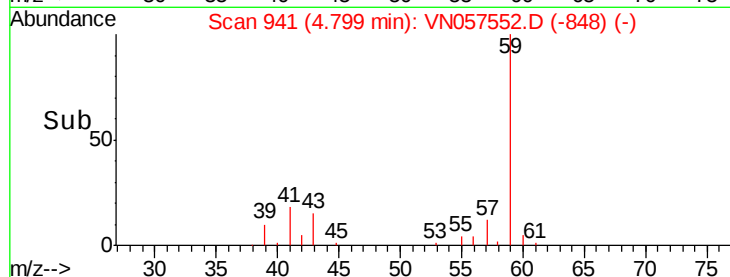
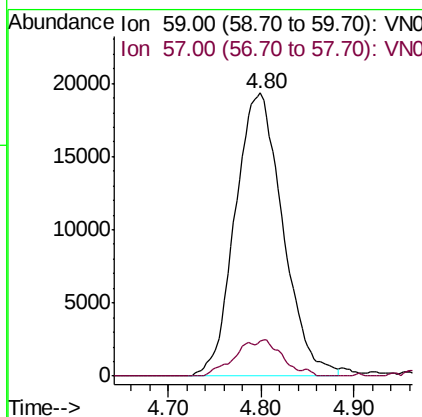
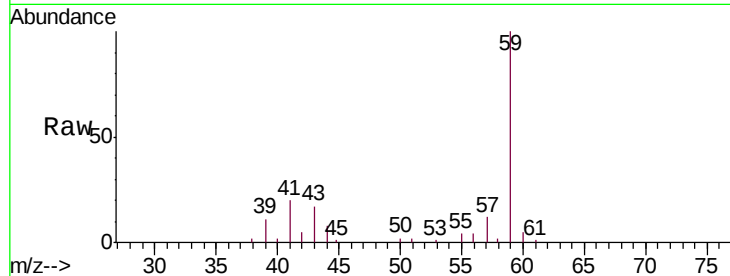




#11
Tert butyl alcohol
Concen: 78.490 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

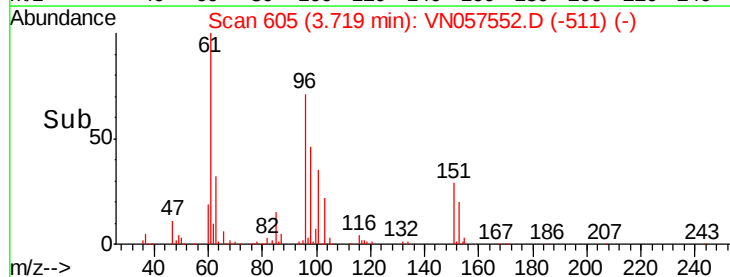
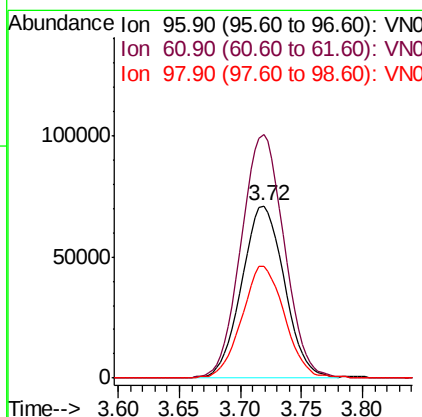
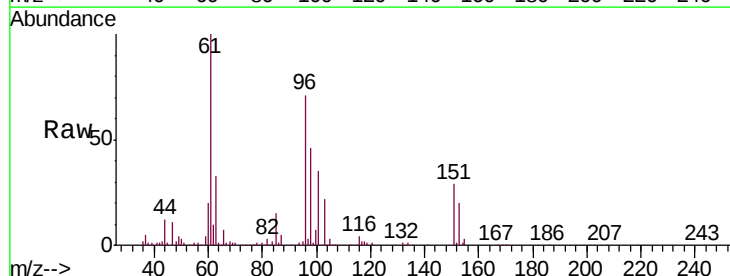
Instrument :
MSVOA_N
ClientSampled :

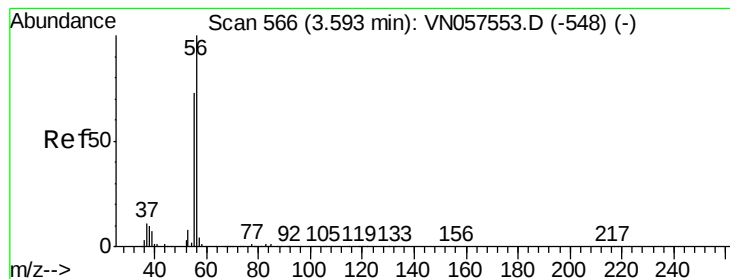
Tot Ion: 59 Resp: 69105
Ion Ratio Lower Upper
59 100
57 5.8 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 23.019 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 96 Resp: 170740
Ion Ratio Lower Upper
96 100
61 141.6 155.3 232.9#
98 64.9 50.2 75.2





#13

Acrolein

Concen: 79.166 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

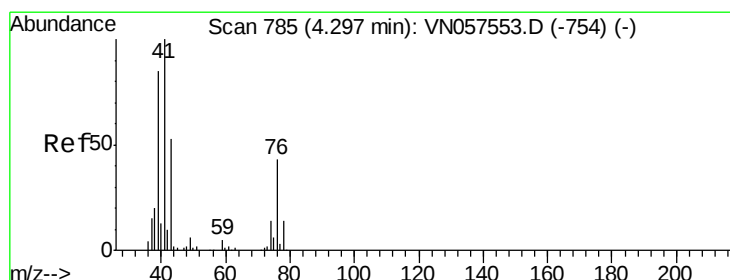
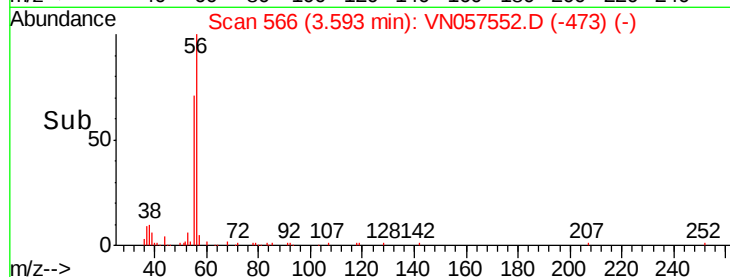
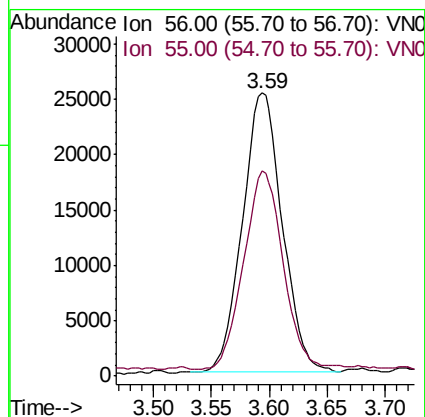
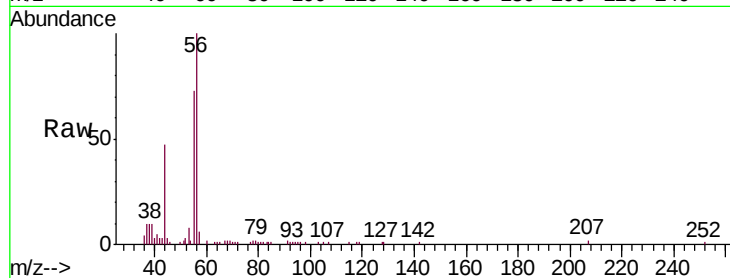
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 60482

Ion Ratio Lower Upper

56 100

55 70.2 59.0 88.4



#14

Allyl chloride

Concen: 12.647 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

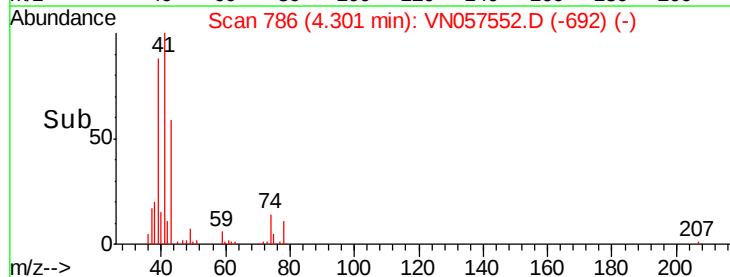
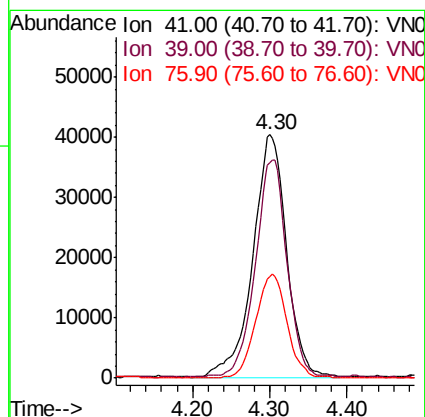
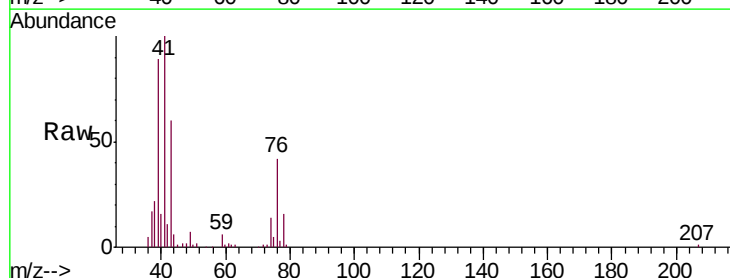
Tgt Ion: 41 Resp: 124161

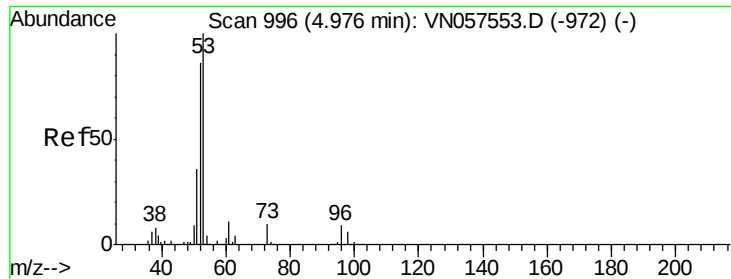
Ion Ratio Lower Upper

41 100

39 85.0 57.4 86.2

76 39.4 22.9 34.3#





#15

Acrylonitrile

Concen: 73.230 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

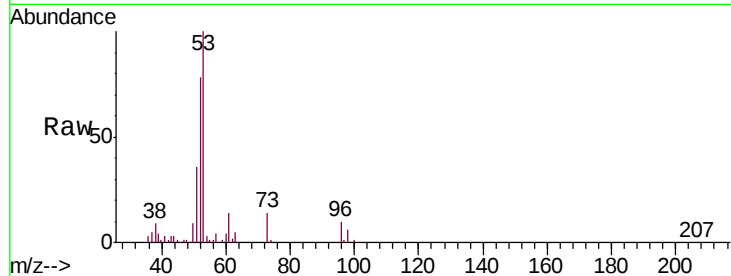
Tot Ion: 53 Resp: 173872

Ion Ratio Lower Upper

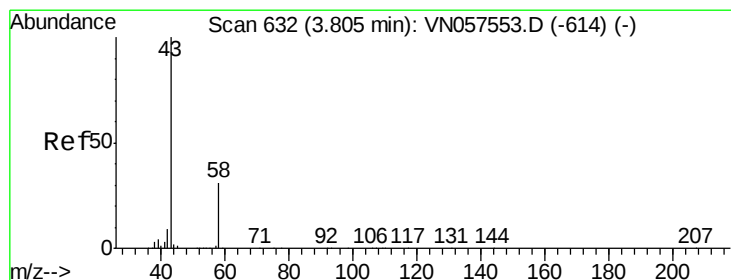
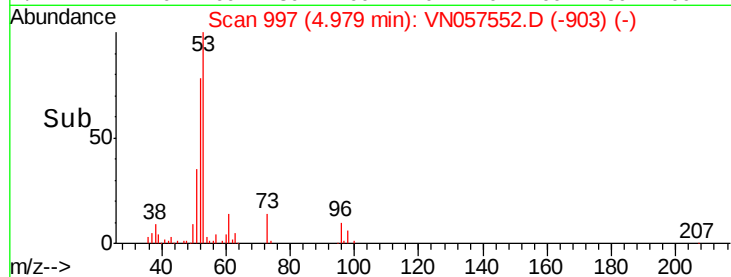
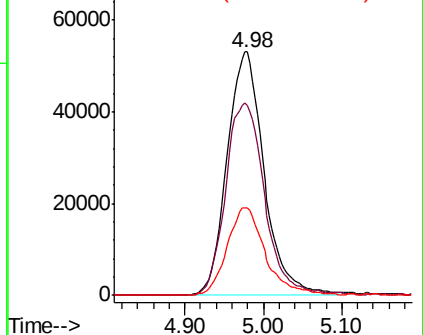
53 100

52 82.3 67.0 100.6

51 37.2 29.9 44.9



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



#16

Acetone

Concen: 81.130 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057552.D

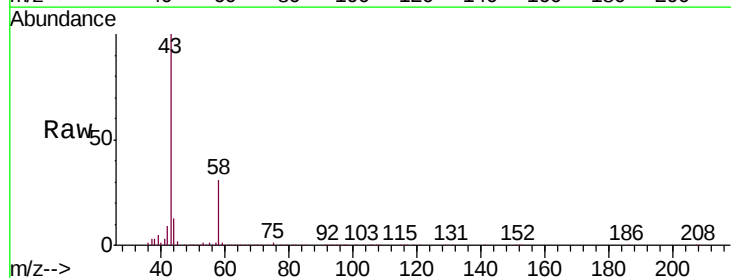
Acq: 29 Aug 2019 16:14

Tgt Ion: 43 Resp: 285600

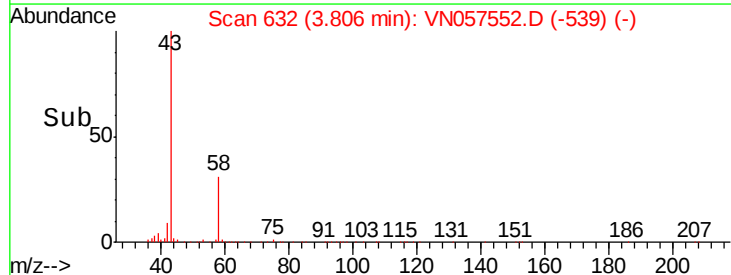
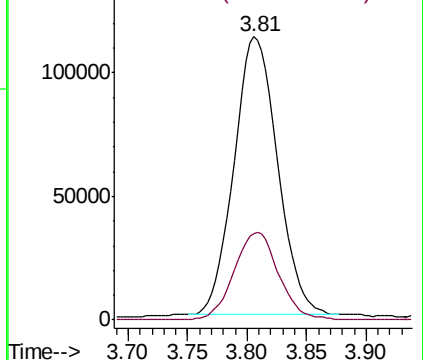
Ion Ratio Lower Upper

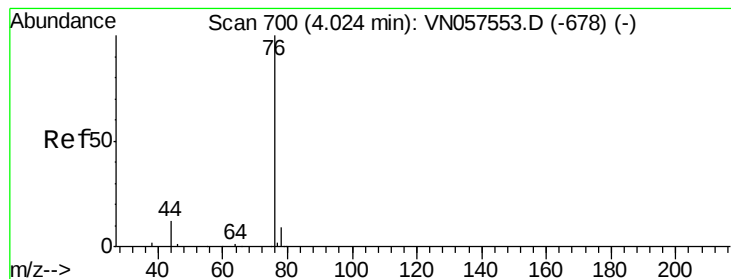
43 100

58 30.9 22.1 33.1



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





#17

Carbon Disulfide

Concen: 16.502 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

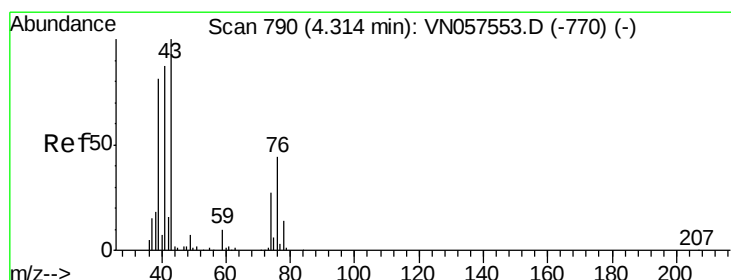
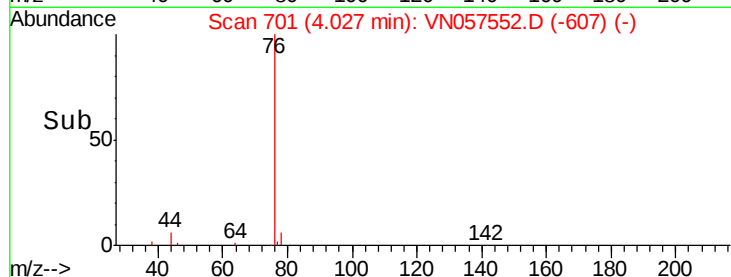
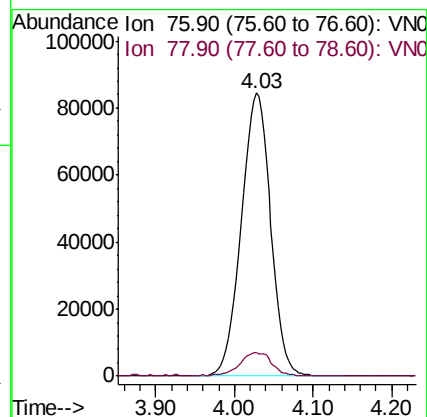
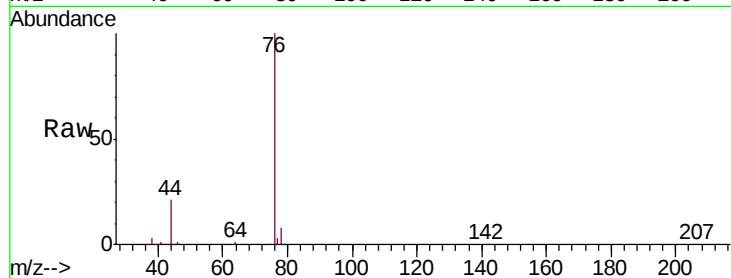
ClientSampled :

Tot Ion: 76 Resp: 221130

Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7



#18

Methyl Acetate

Concen: 10.532 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057552.D

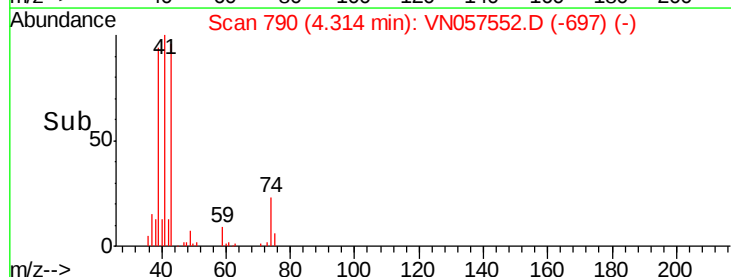
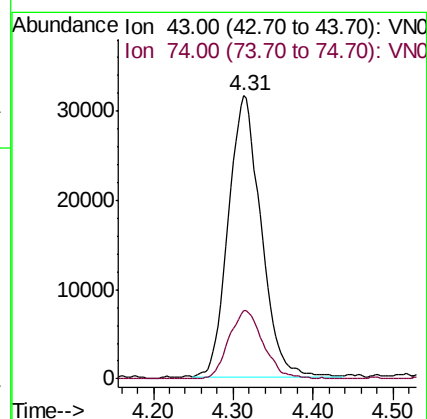
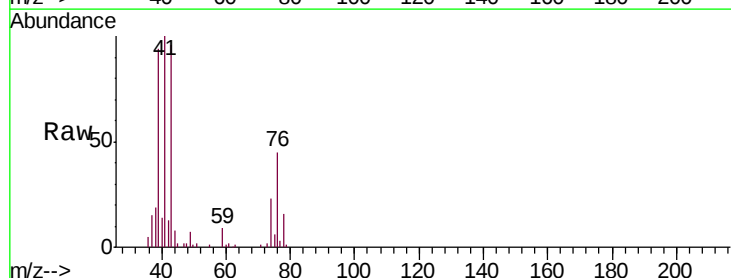
Acq: 29 Aug 2019 16:14

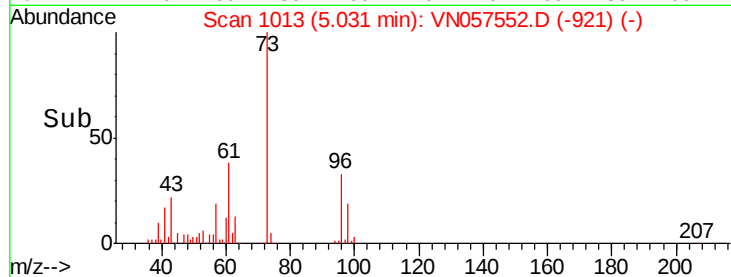
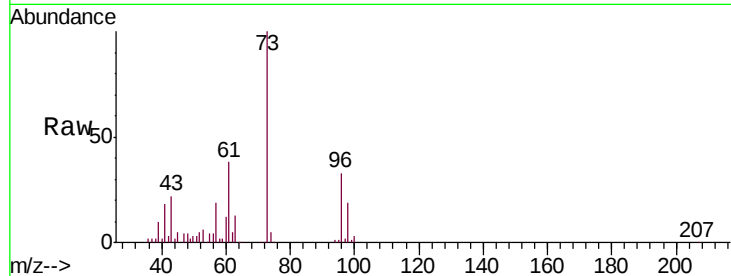
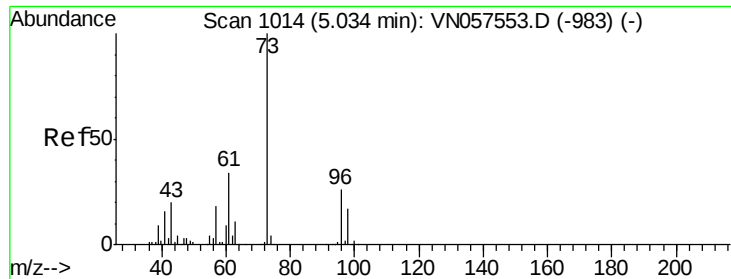
Tgt Ion: 43 Resp: 87647

Ion Ratio Lower Upper

43 100

74 25.6 15.9 23.9#



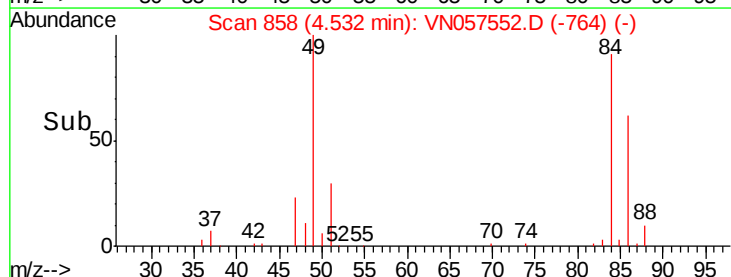
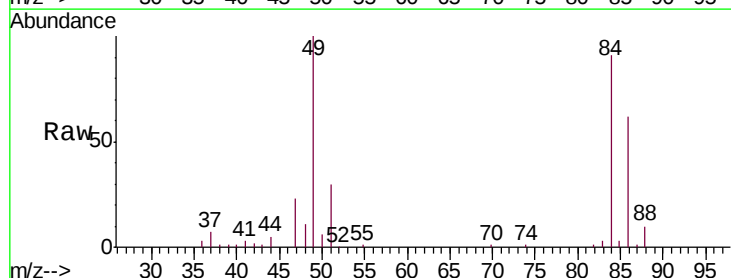
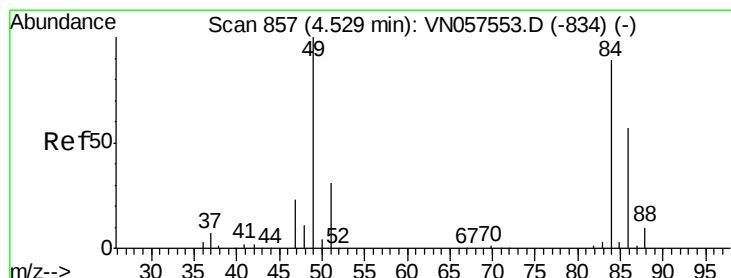
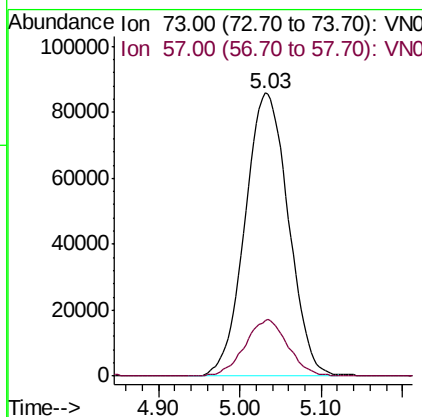


#19

Methyl tert-butyl Ether
Concen: 18.400 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

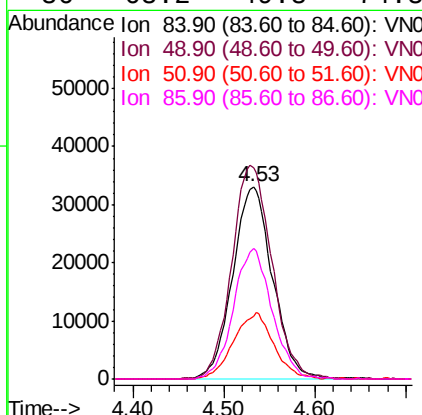
Tot Ion: 73 Resp: 317124
Ion Ratio Lower Upper
73 100
57 19.4 19.1 28.7

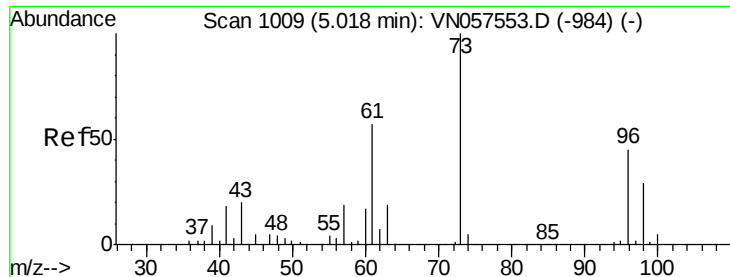


#20

Methylene Chloride
Concen: 18.175 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 84 Resp: 100700
Ion Ratio Lower Upper
84 100
49 109.6 117.0 175.4#
51 32.8 35.5 53.3#
86 68.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.928 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

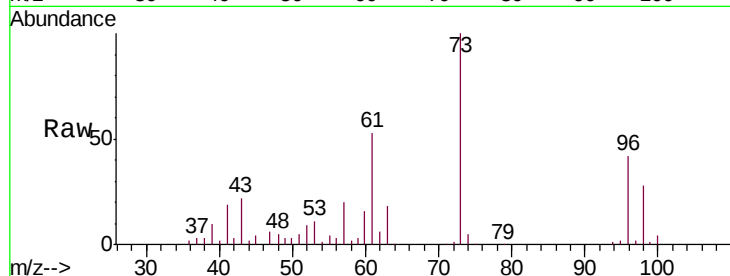
Tot Ion: 96 Resp: 102048

Ion Ratio Lower Upper

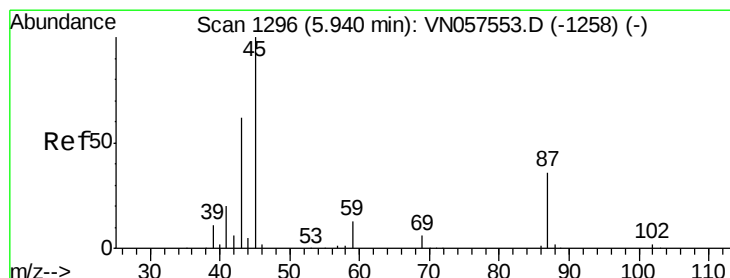
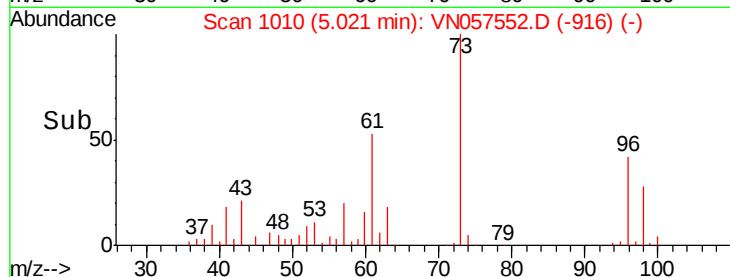
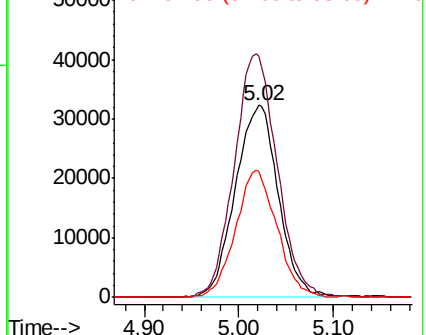
96 100

61 124.9 127.9 191.9#

98 65.8 50.6 76.0



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



#22

Diisopropyl ether

Concen: 14.241 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion: 45 Resp: 275808

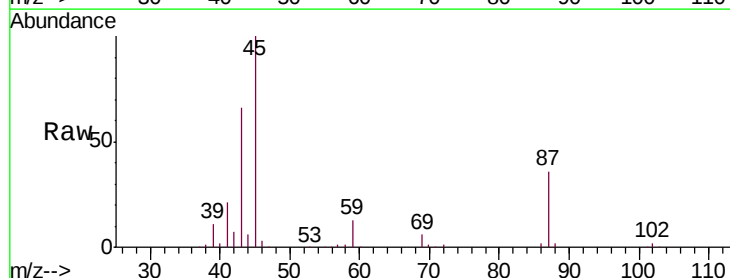
Ion Ratio Lower Upper

45 100

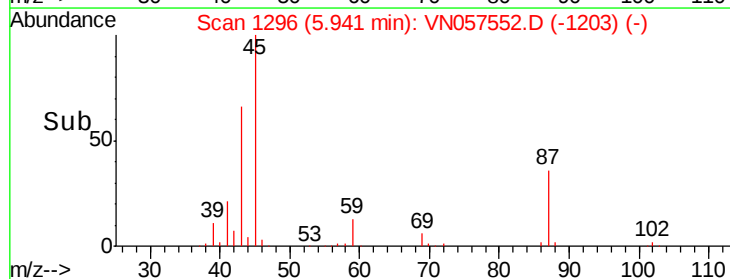
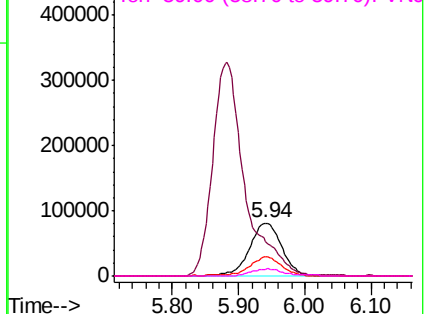
43 64.9 46.9 70.3

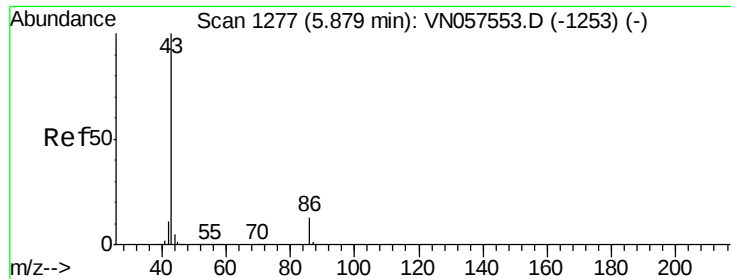
87 35.8 19.3 28.9#

59 12.8 8.7 13.1



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





#23

Vinyl Acetate

Concen: 72.717 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

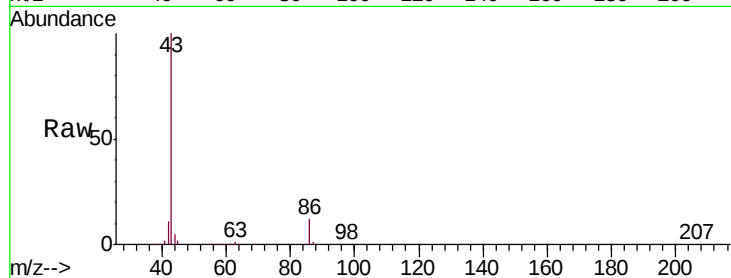
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1105672

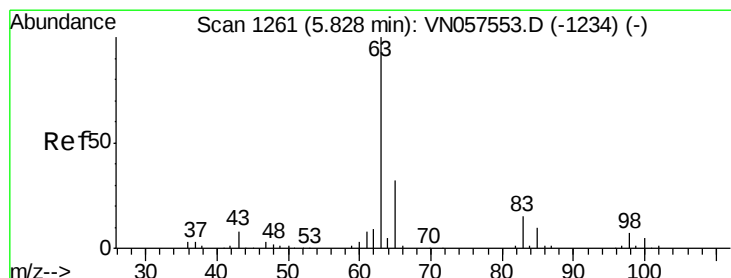
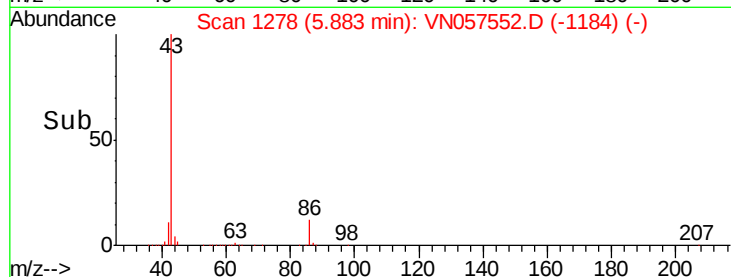
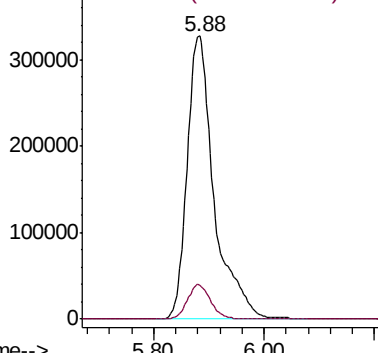
Ion Ratio Lower Upper

43 100

86 12.0 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 16.787 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

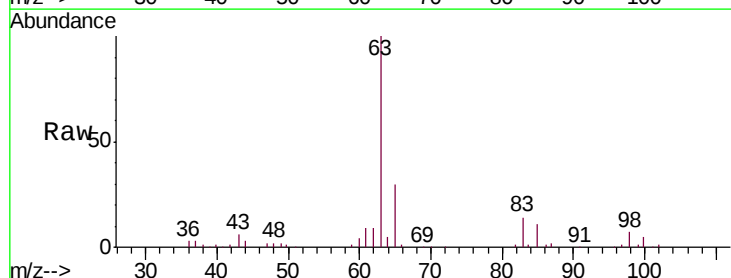
Tgt Ion: 63 Resp: 177282

Ion Ratio Lower Upper

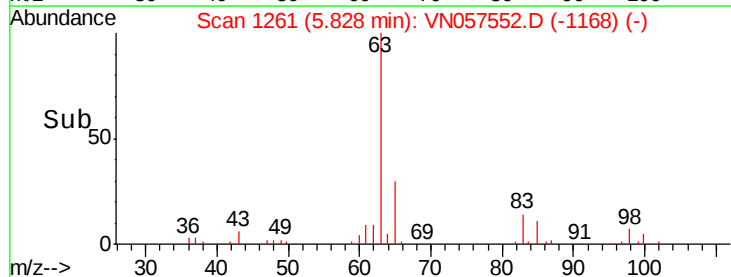
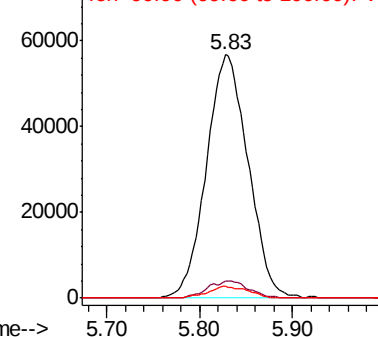
63 100

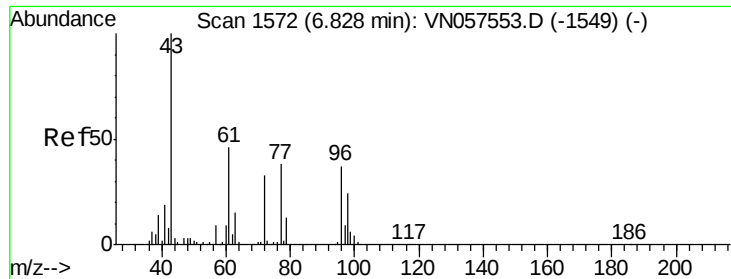
98 7.0 2.9 8.6

100 4.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 66.210 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

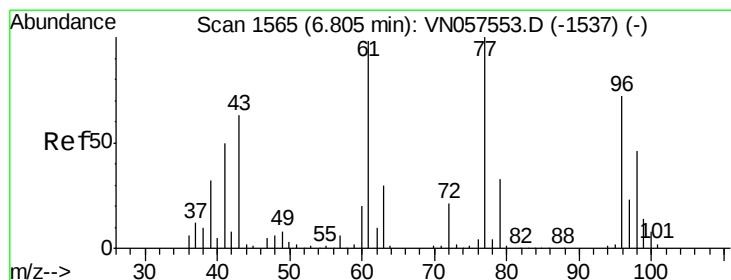
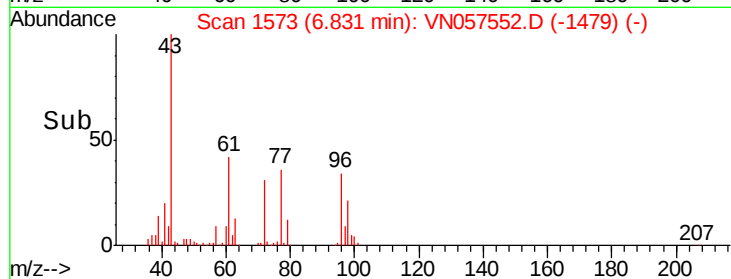
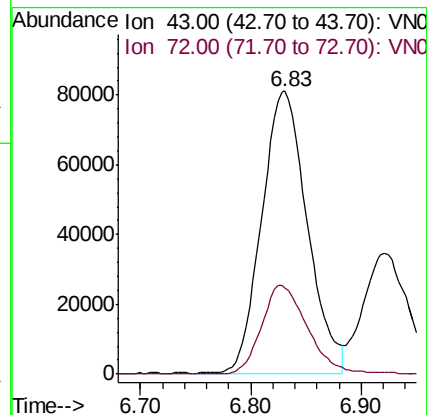
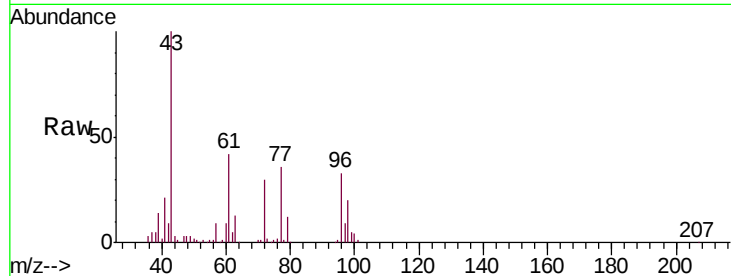
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 231902

Ion Ratio Lower Upper

43 100

72 30.5 17.8 26.8#



#26

2,2-Dichloropropane

Concen: 19.138 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057552.D

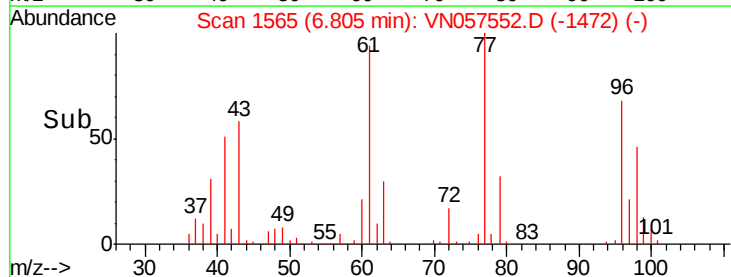
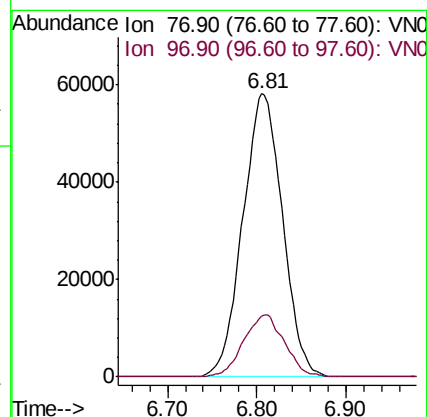
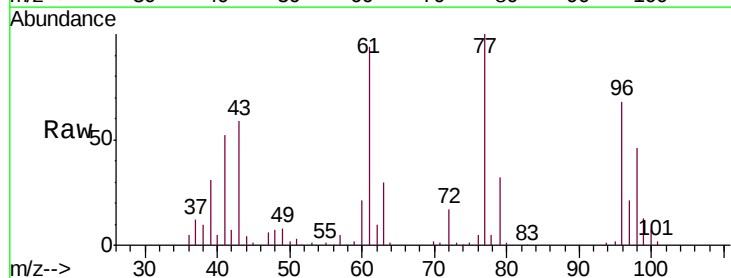
Acq: 29 Aug 2019 16:14

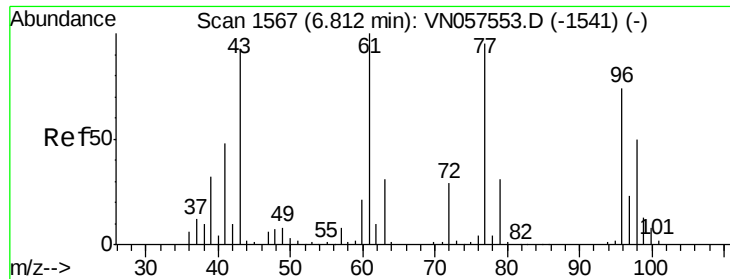
Tgt Ion: 77 Resp: 180156

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.125 ug/l

RT: 6.81 min Scan# 1567

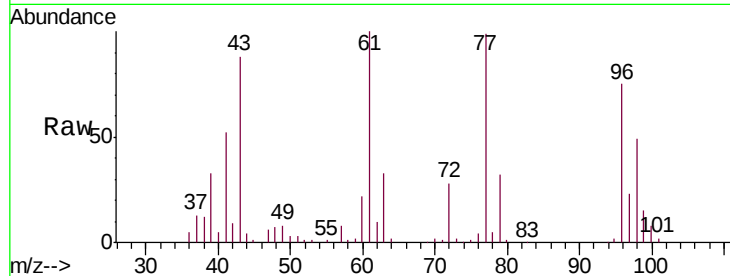
Delta R.T. 0.00 min

Lab File: VN057552.D

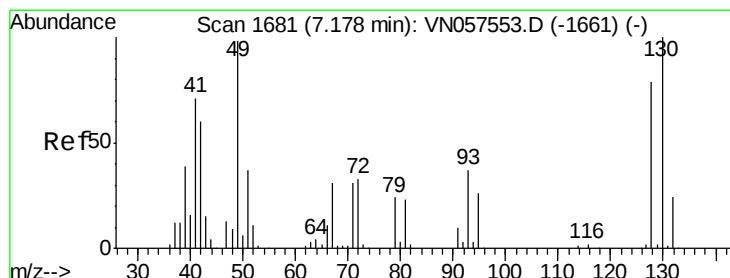
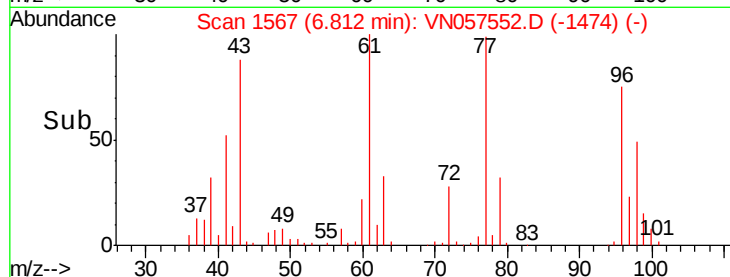
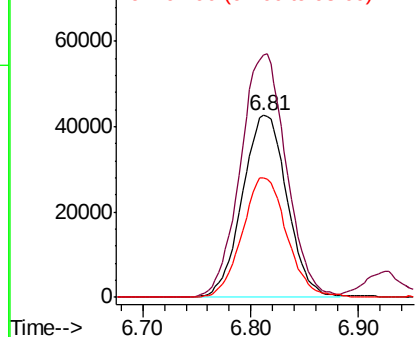
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	122697
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	334.8
98	65.4	0.0	127.4



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



#28

Bromochloromethane

Concen: 14.719 ug/l

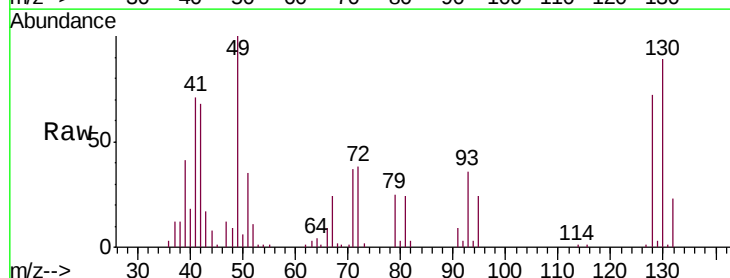
RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

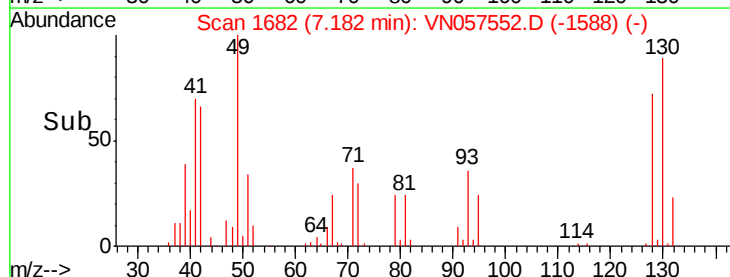
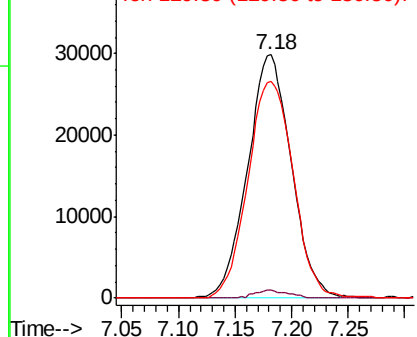
Lab File: VN057552.D

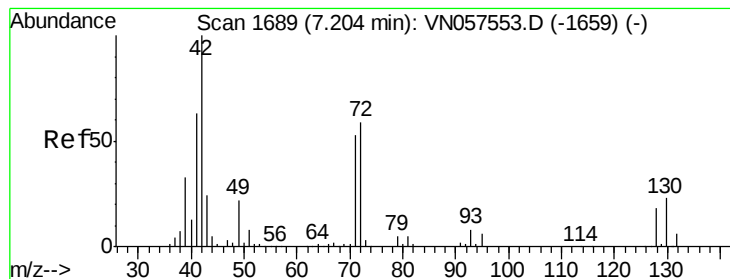
Acq: 29 Aug 2019 16:14

Tgt Ion:	49	Resp:	80210
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.6
130	92.2	48.6	72.8#



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: 63.365 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

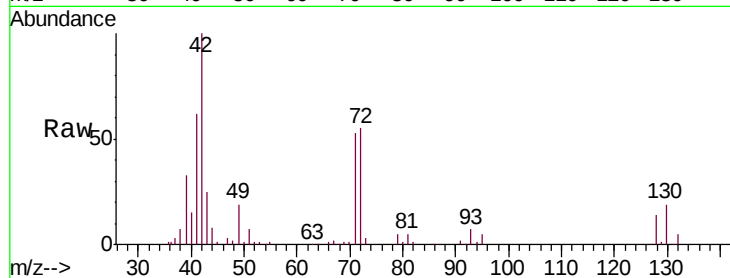
Tot Ion: 42 Resp: 144912

Ion Ratio Lower Upper

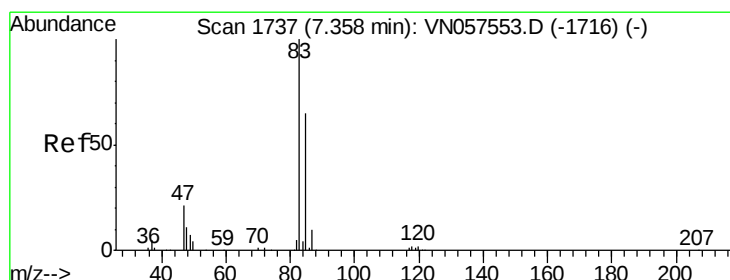
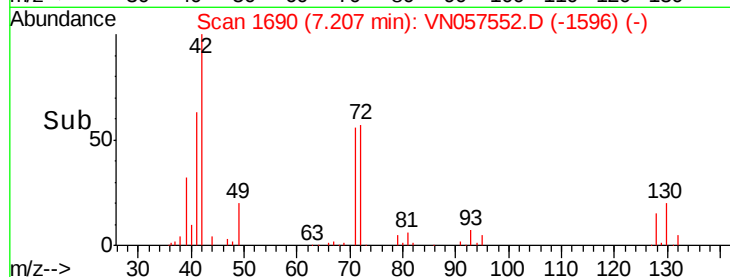
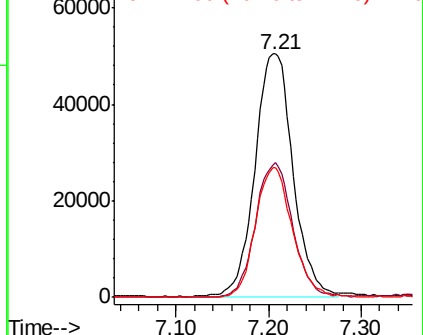
42 100

72 54.0 30.1 45.1#

71 51.7 28.8 43.2#



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



#30

Chloroform

Concen: 18.791 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057552.D

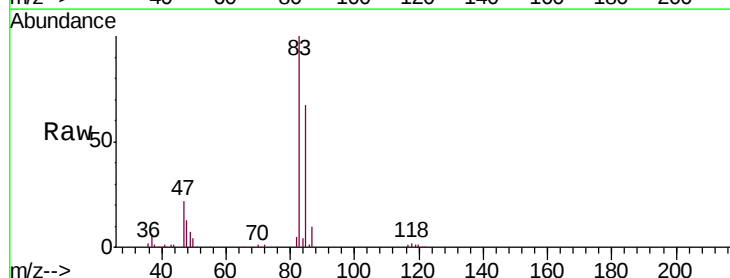
Acq: 29 Aug 2019 16:14

Tgt Ion: 83 Resp: 212700

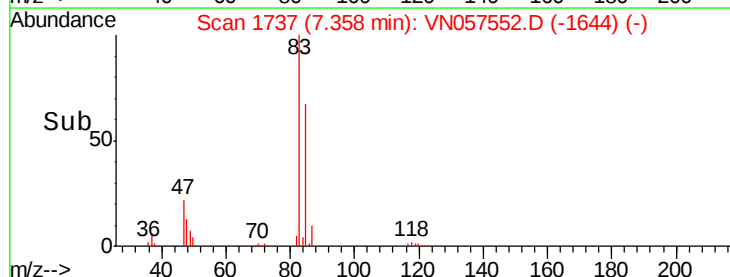
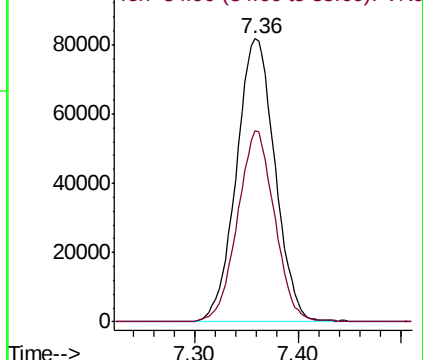
Ion Ratio Lower Upper

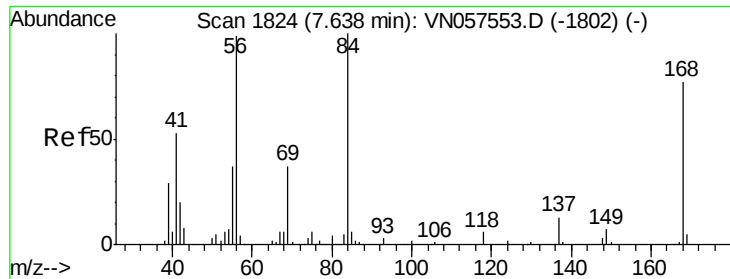
83 100

85 67.4 51.9 77.9



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

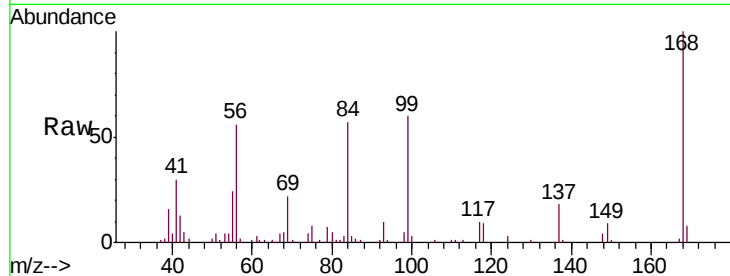




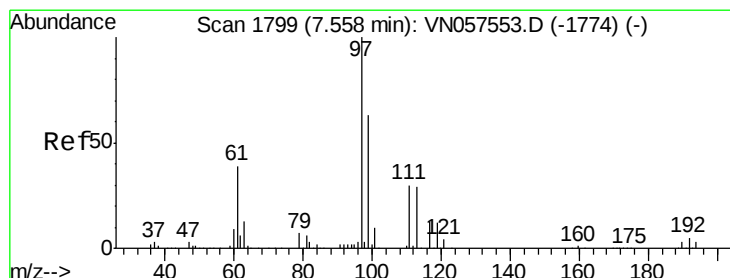
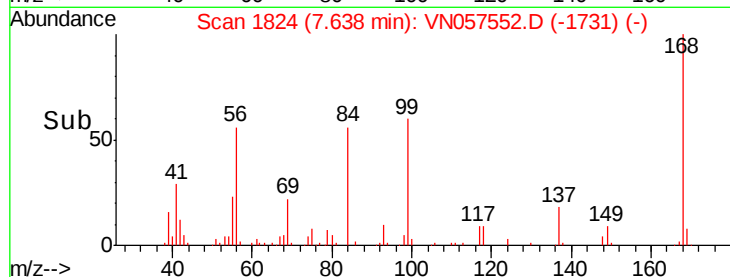
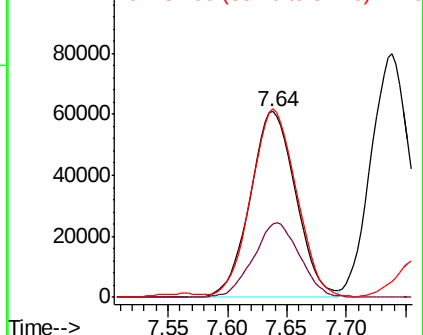
#31
Cyclohexane
Concen: 16.236 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 162048
Ion Ratio Lower Upper
56 100
69 39.2 25.0 37.6#
84 100.2 62.5 93.7#

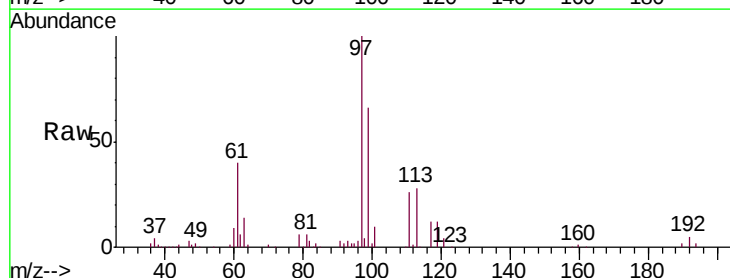


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

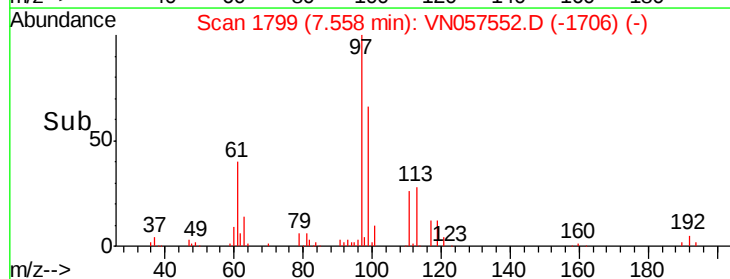
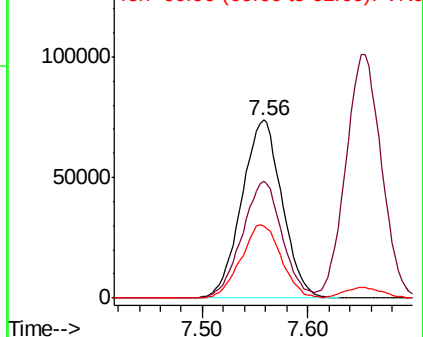


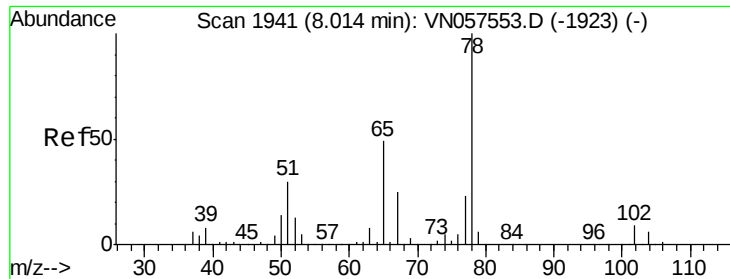
#32
1,1,1-Trichloroethane
Concen: 20.742 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 97 Resp: 196433
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 41.0 39.8 59.6



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

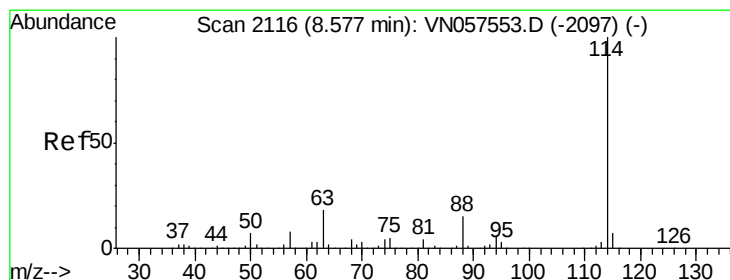
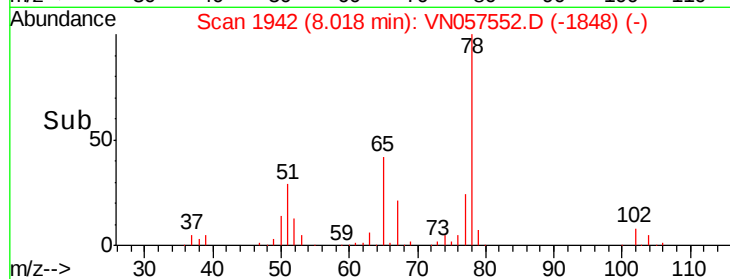
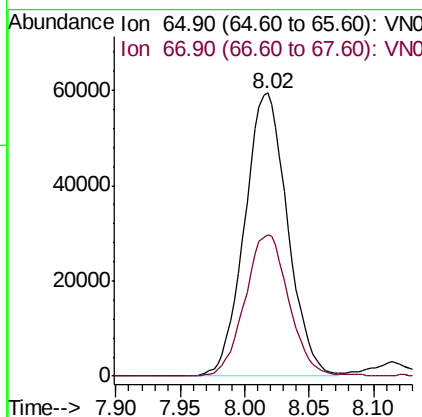
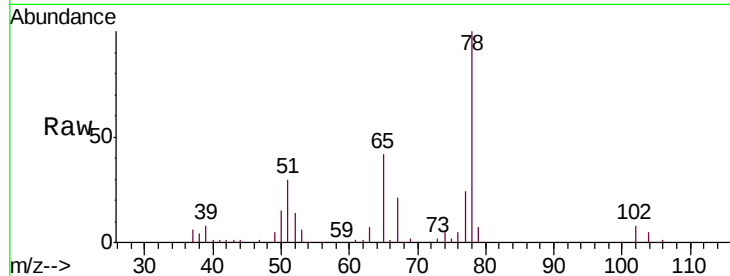




#33
 1,2-Dichloroethane-d4
 Concen: 18.918 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

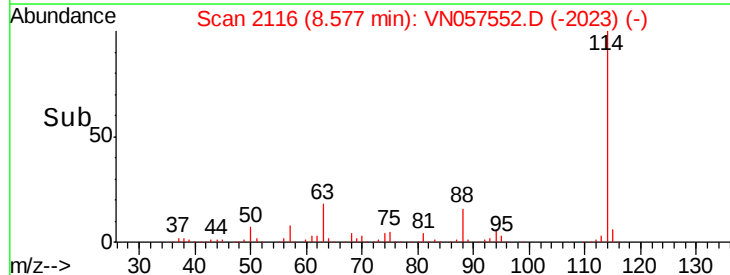
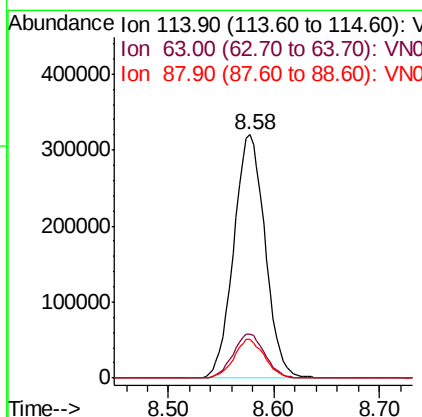
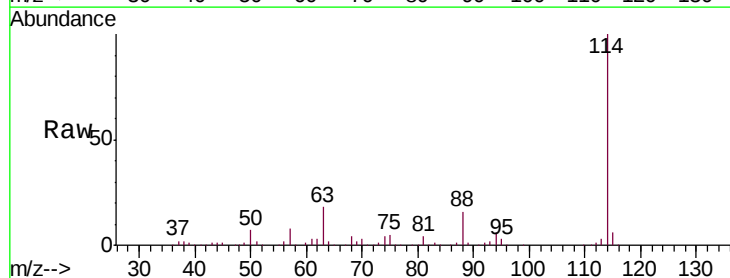
Instrument :
 MSVOA_N
 ClientSampleId :

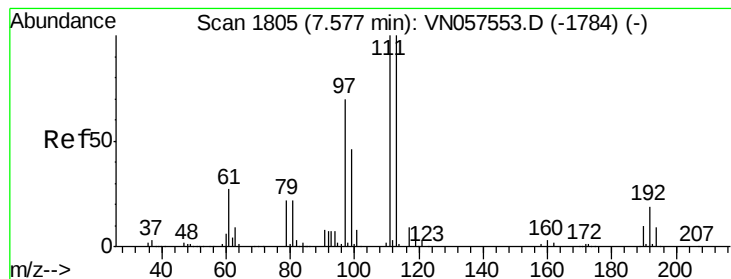
Tot Ion: 65 Resp: 137857
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion: 114 Resp: 659887
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 50.2
 88 15.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 23.546 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

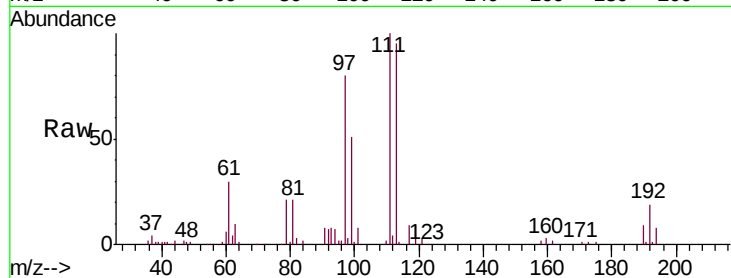
Tot Ion:113 Resp: 111633

Ion Ratio Lower Upper

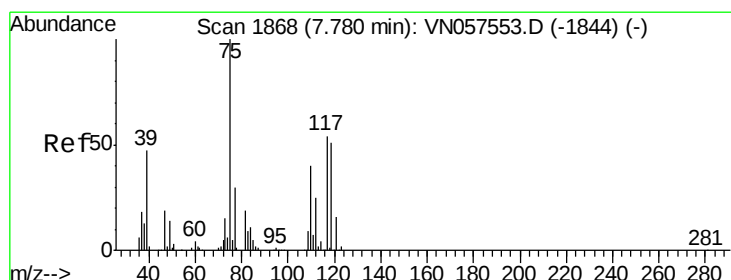
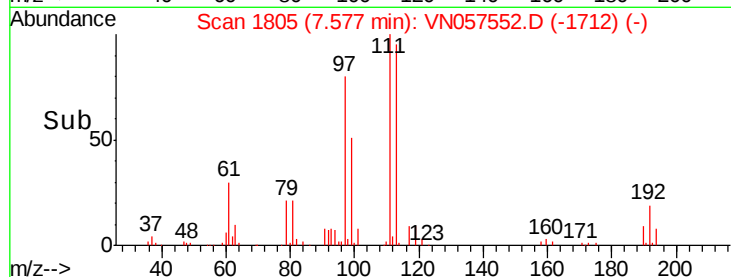
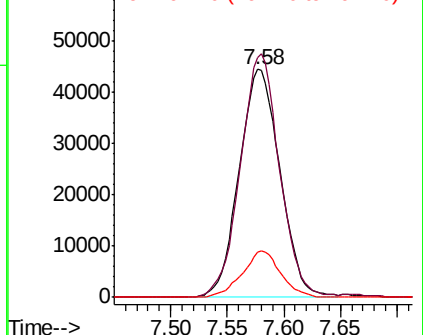
113 100

111 102.2 83.8 125.6

192 19.1 13.5 20.3



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: 21.411 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

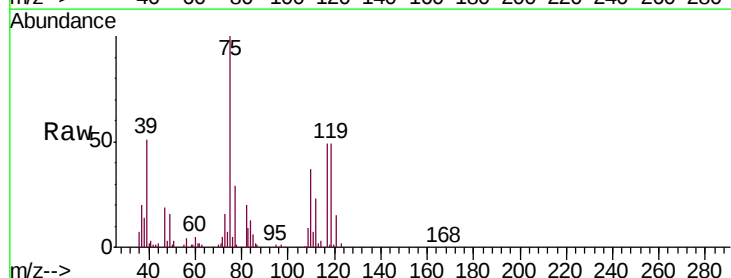
Tgt Ion: 75 Resp: 148073

Ion Ratio Lower Upper

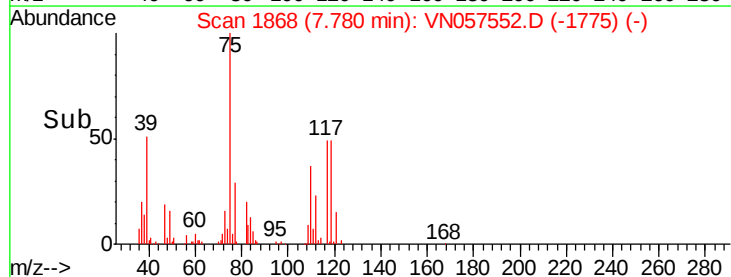
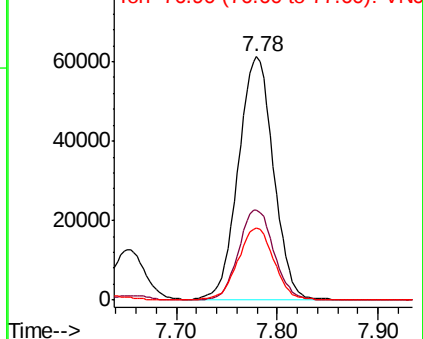
75 100

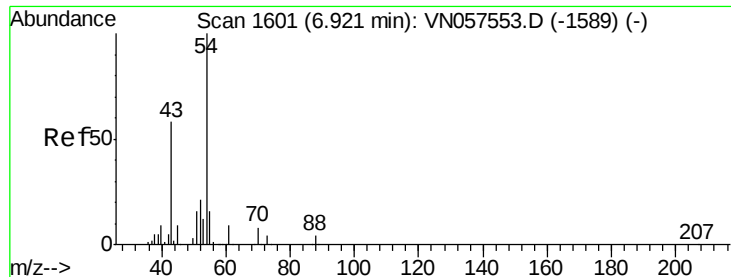
110 37.1 16.1 48.3

77 30.4 24.8 37.2



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

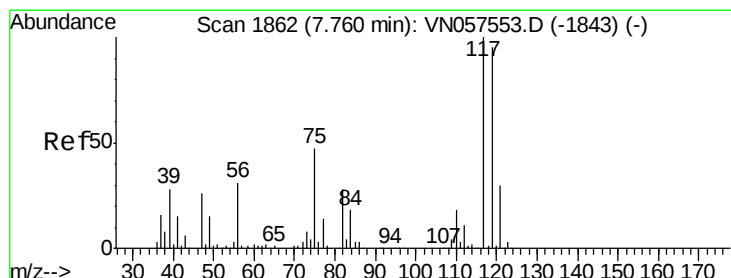
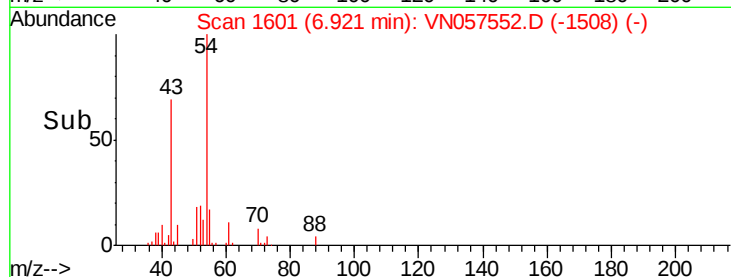
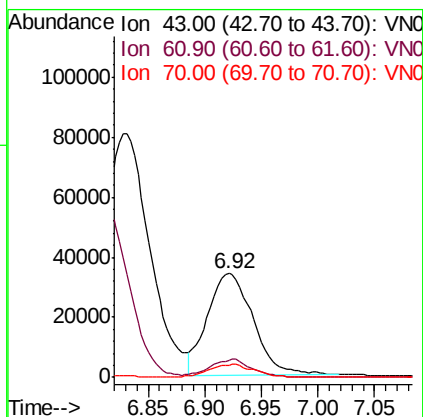
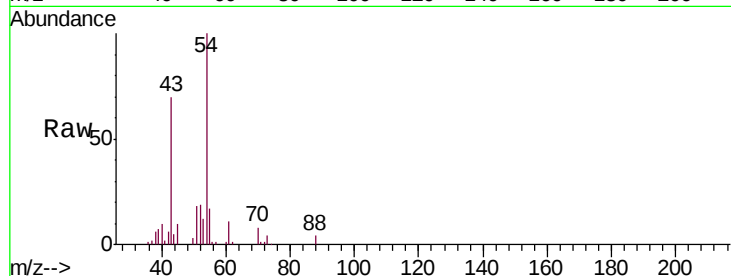




#37
Ethyl Acetate
Concen: 15.032 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

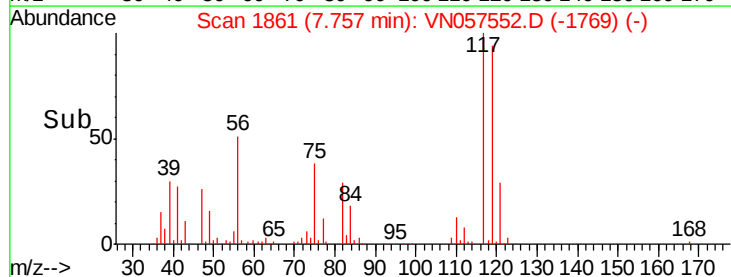
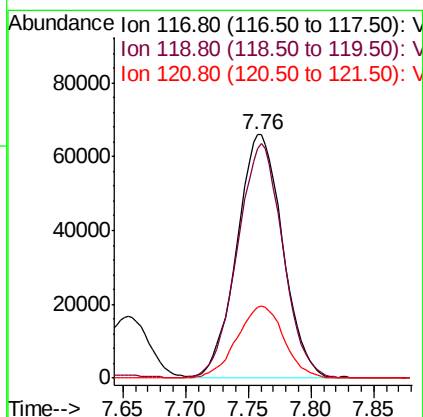
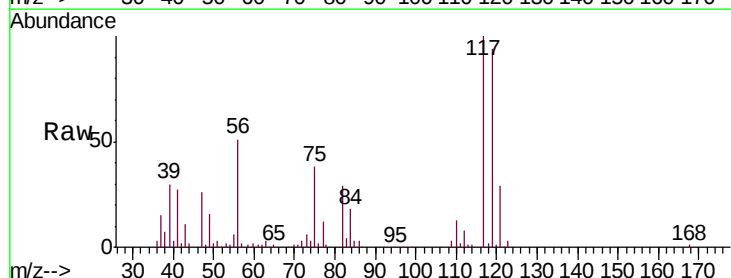
Instrument :
MSVOA_N
ClientSampled :

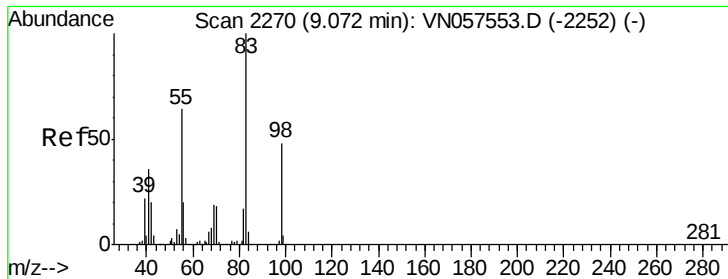
Tot Ion: 43 Resp: 96065
Ion Ratio Lower Upper
43 100
61 15.1 9.9 14.9#
70 12.3 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 23.433 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 117 Resp: 166034
Ion Ratio Lower Upper
117 100
119 94.2 76.2 114.4
121 29.2 23.8 35.6

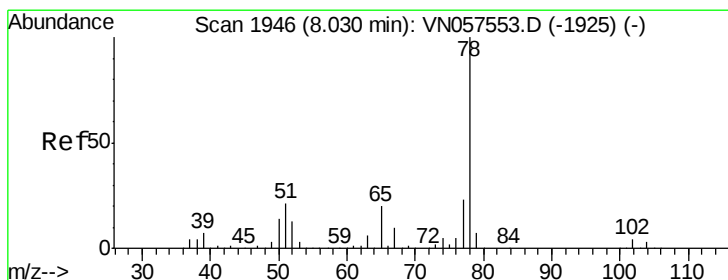
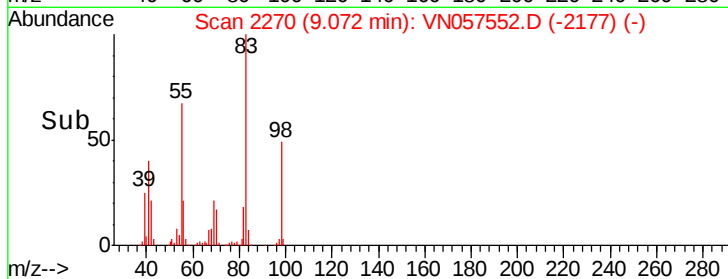
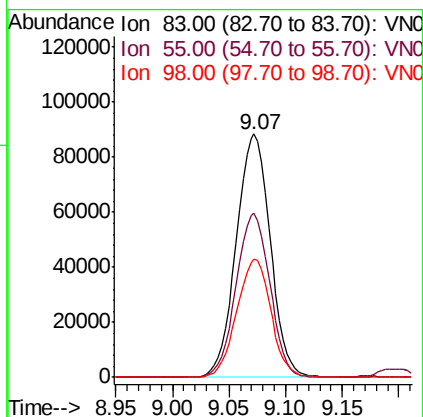
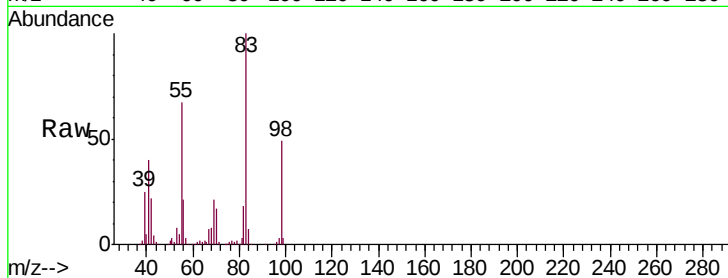




#39
Methvlcvclohexane
Concen: 22.364 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

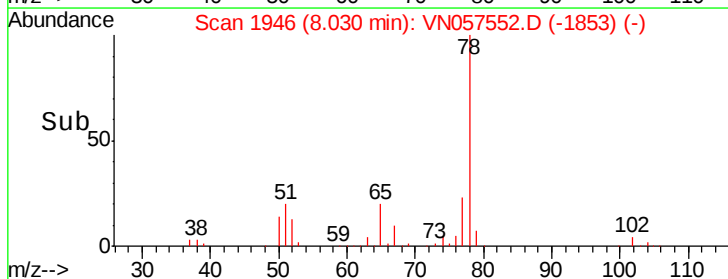
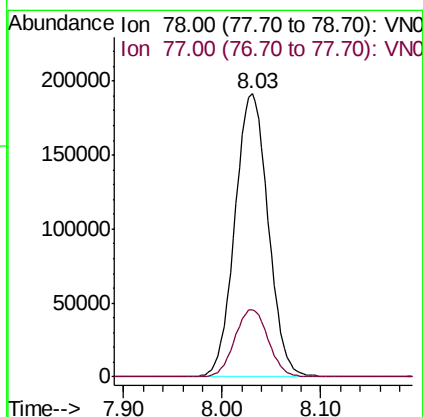
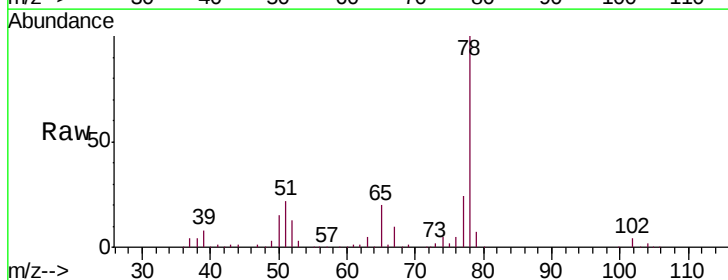
Instrument :
MSVOA_N
ClientSampled :

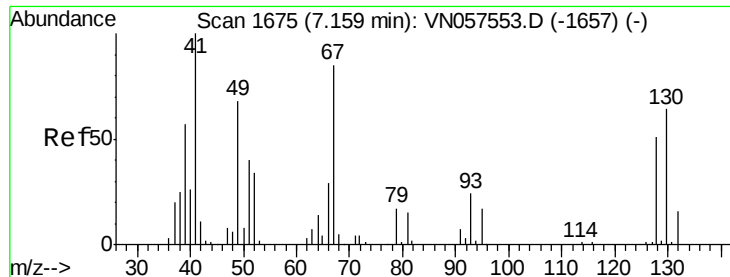
Tot Ion: 83 Resp: 185515
Ion Ratio Lower Upper
83 100
55 67.2 68.6 102.8#
98 48.8 36.6 54.8



#40
Benzene
Concen: 21.583 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 78 Resp: 448989
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

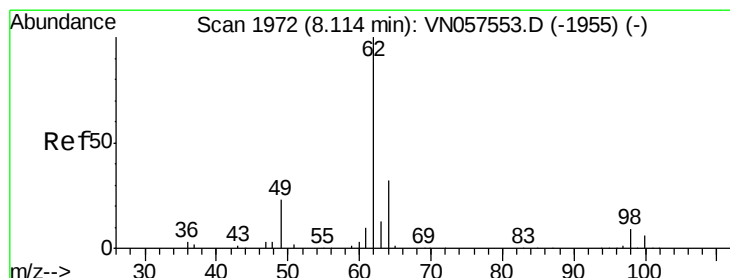
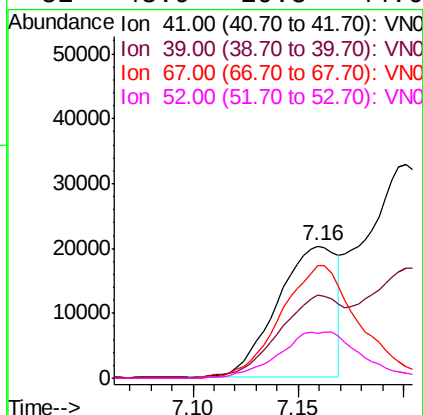
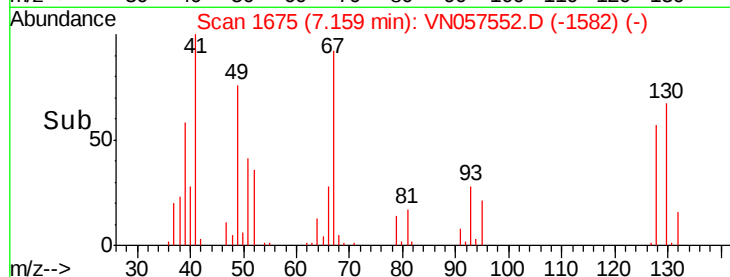
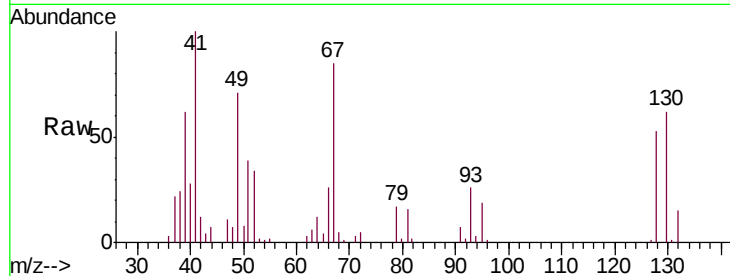




#41
Methacrylonitrile
Concen: 13.087 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

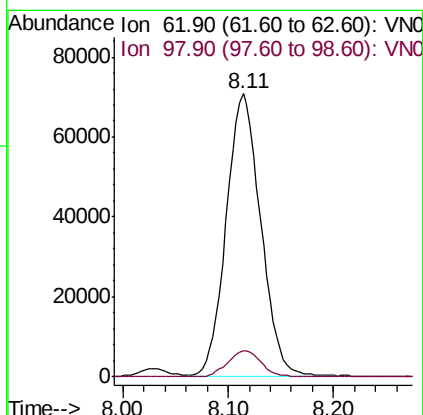
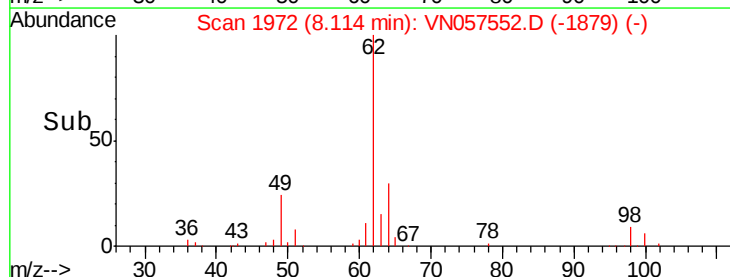
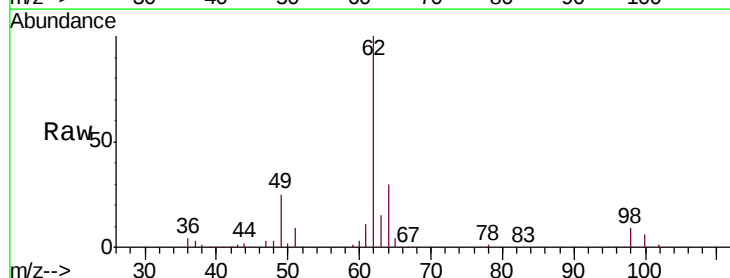
Instrument :
MSVOA_N
ClientSampled :

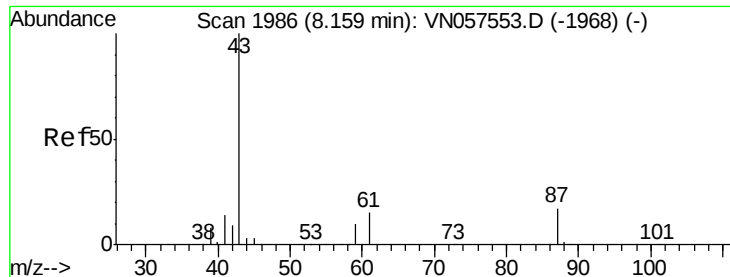
Tot Ion: 41 Resp: 39564
Ion Ratio Lower Upper
41 100
39 67.5 53.6 80.4
67 113.6 65.4 98.2#
52 48.9 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 62 Resp: 159914
Ion Ratio Lower Upper
62 100
98 9.0 0.0 15.4





#43

Isopropyl Acetate

Concen: 15.358 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

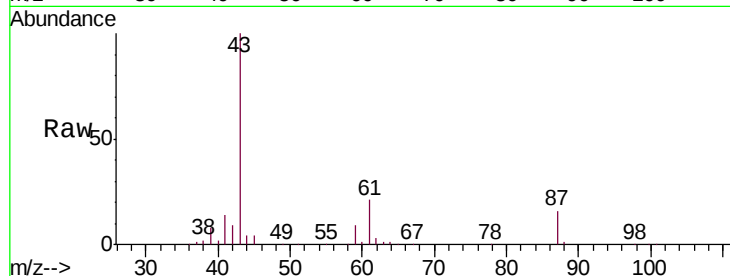
Tot Ion: 43 Resp: 181035

Ion Ratio Lower Upper

43 100

61 21.9 14.5 21.7#

87 16.4 8.6 12.8#

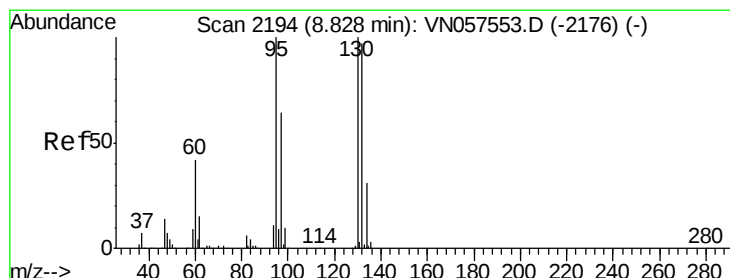
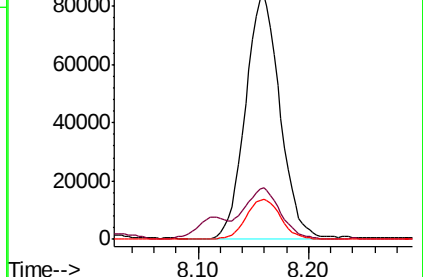
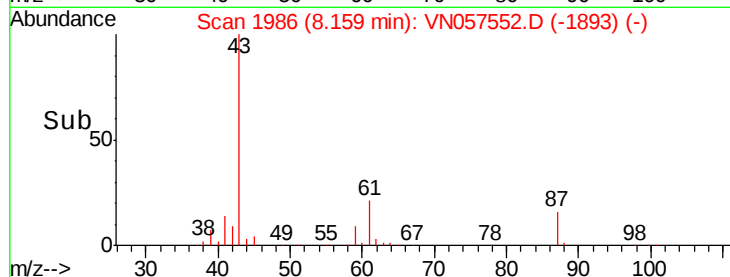


Abundance Ion 43.00 (42.70 to 43.70): VN057552.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN057552.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN057552.D (-1893) (-)

8.16



#44

Trichloroethene

Concen: 25.314 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057552.D

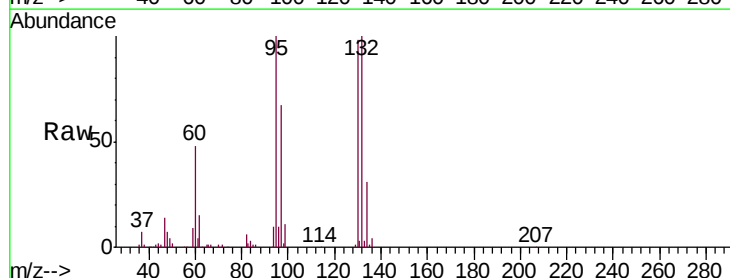
Acq: 29 Aug 2019 16:14

Tgt Ion:130 Resp: 122059

Ion Ratio Lower Upper

130 100

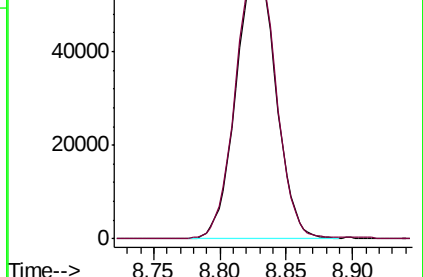
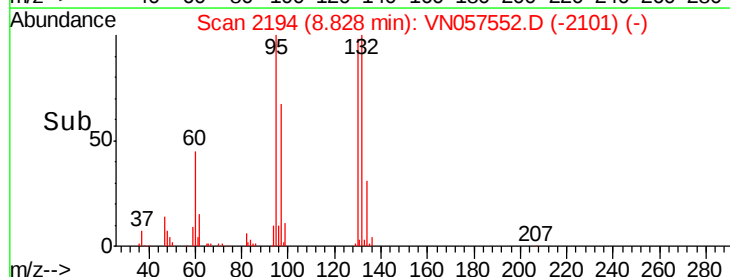
95 101.9 0.0 231.6

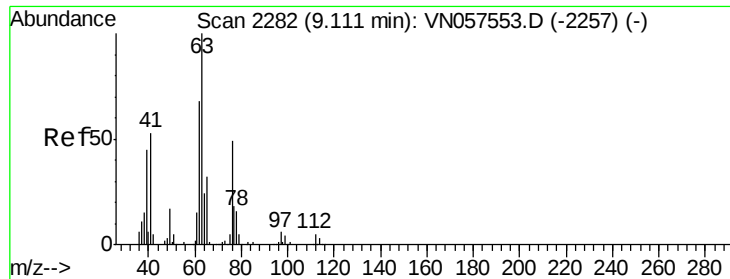


Abundance Ion 129.80 (129.50 to 130.50): VN057552.D (-2101) (-)

Ion 94.90 (94.60 to 95.60): VN057552.D (-2101) (-)

8.83

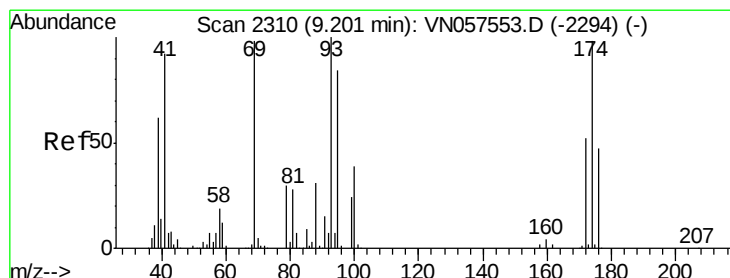
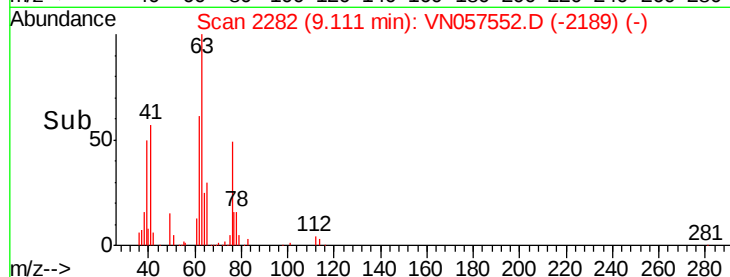
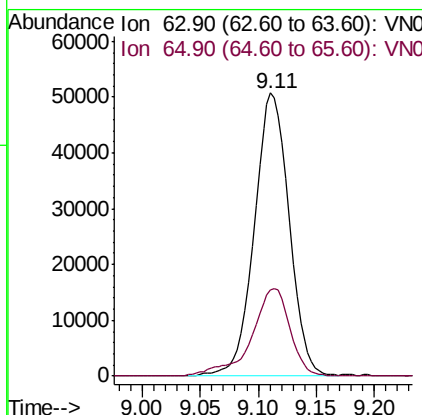
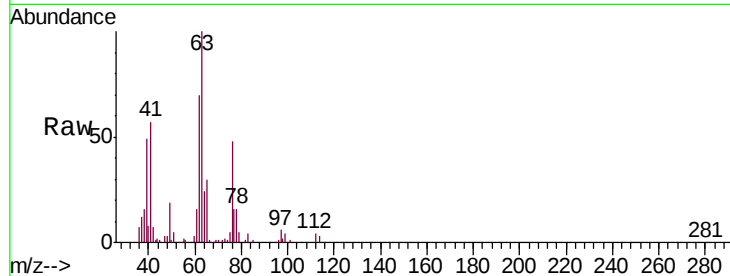




#45
 1,2-Dichloropropane
 Concen: 18.651 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

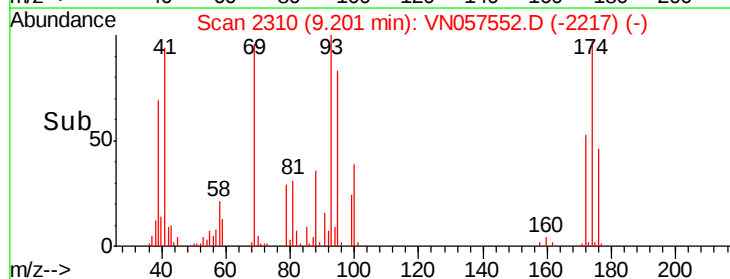
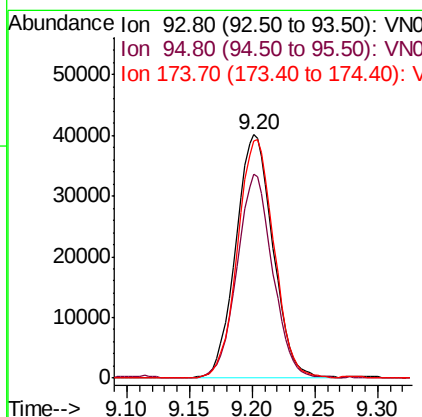
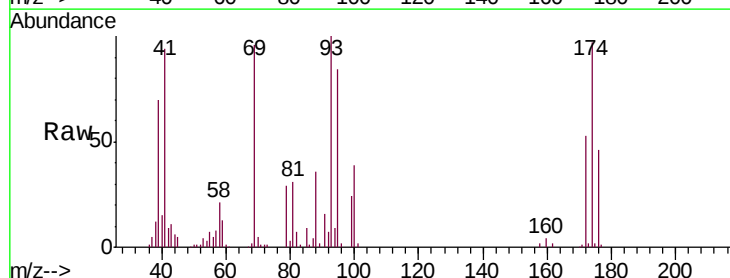
Instrument :
 MSVOA_N
 ClientSampleId :

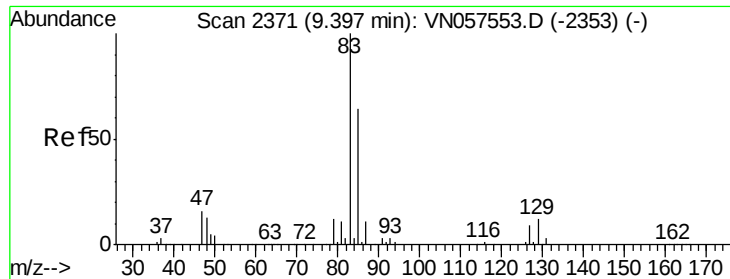
Tot Ion: 63 Resp: 106189
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



#46
 Dibromomethane
 Concen: 21.959 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion: 93 Resp: 82641
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.7 97.1
 174 96.0 62.3 93.5#





#47

Bromodichloromethane

Concen: 21.833 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

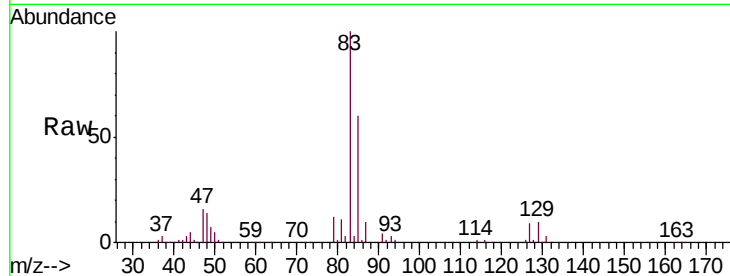
Tot Ion: 83 Resp: 169975

Ion Ratio Lower Upper

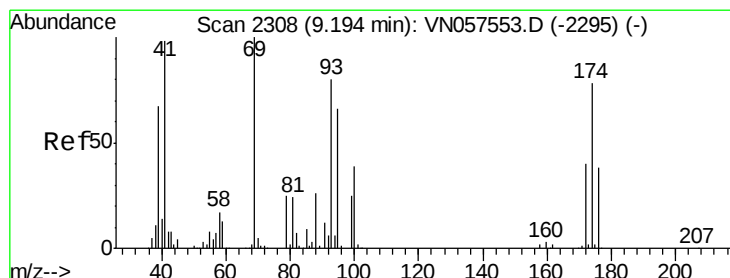
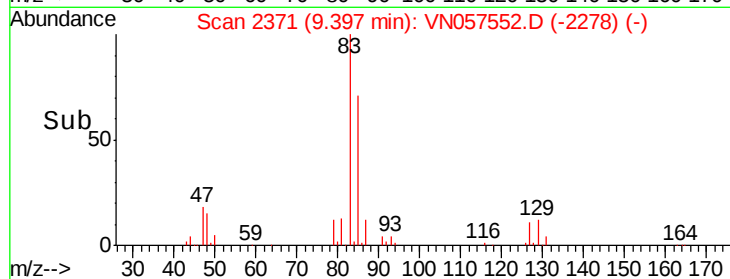
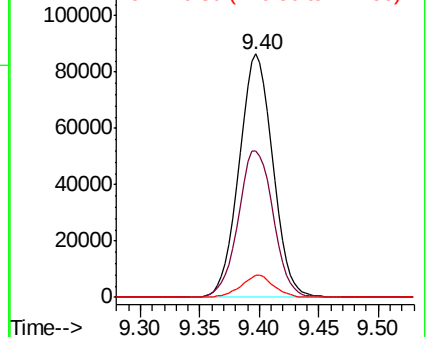
83 100

85 60.1 51.2 76.8

127 9.2 6.6 10.0



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



#48

Methyl methacrylate

Concen: 14.528 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

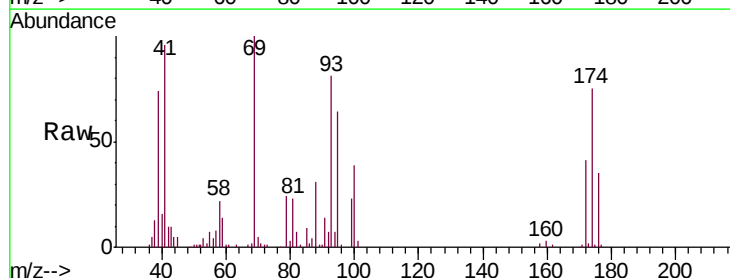
Tgt Ion: 41 Resp: 80951

Ion Ratio Lower Upper

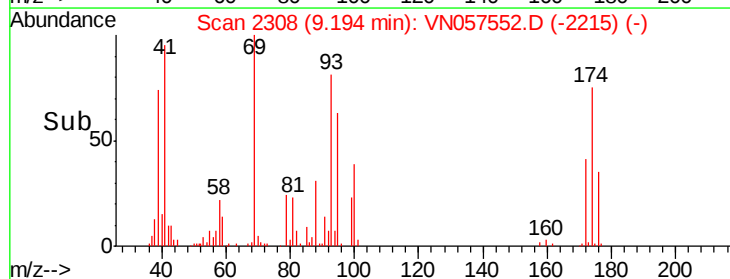
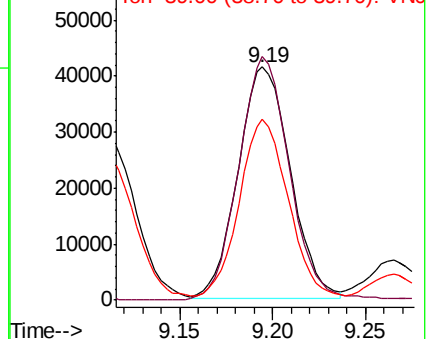
41 100

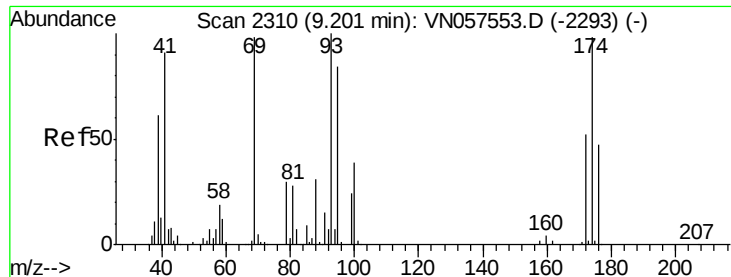
69 102.5 59.3 88.9#

39 73.3 50.6 75.8



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

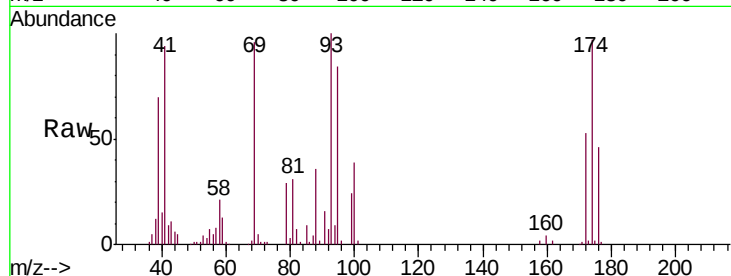




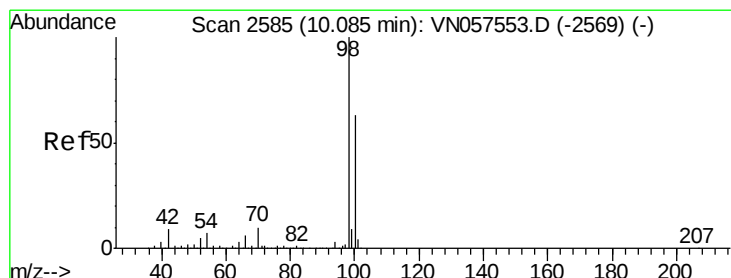
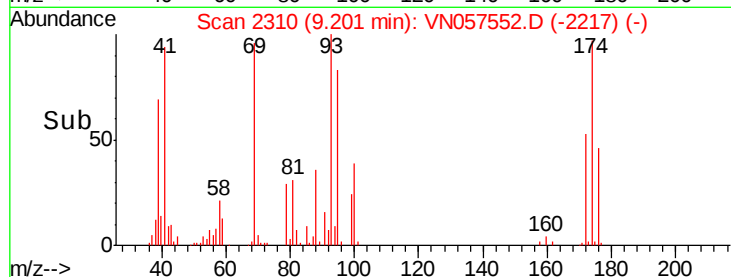
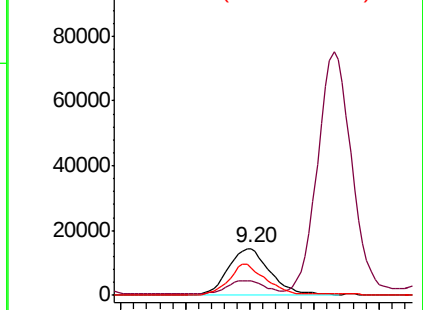
#49
1,4-Dioxane
Concen: 430.796 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 32865
Ion Ratio Lower Upper
88 100
43 27.2 31.0 46.6#
58 59.6 64.5 96.7#

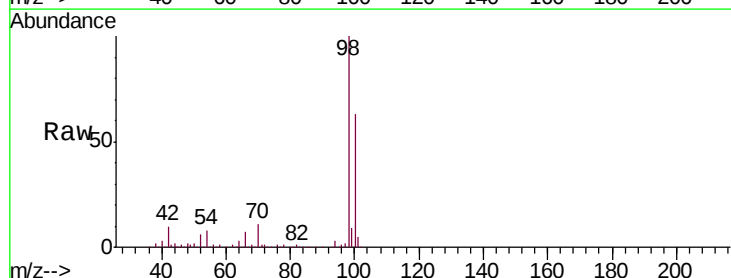


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

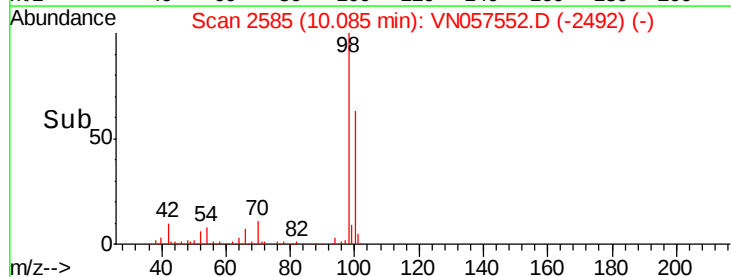
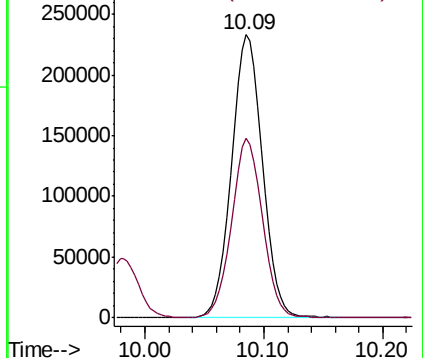


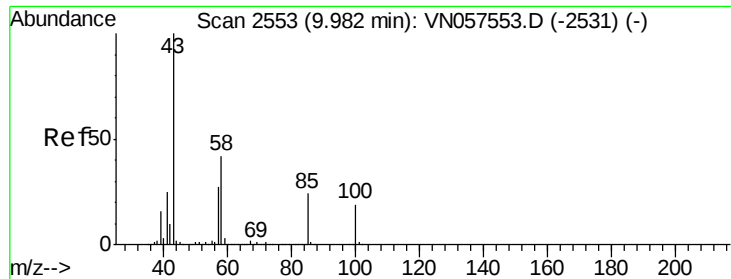
#50
Toluene-d8
Concen: 23.362 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 98 Resp: 420258
Ion Ratio Lower Upper
98 100
100 63.2 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

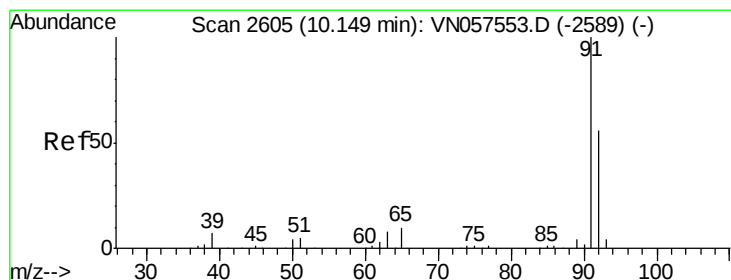
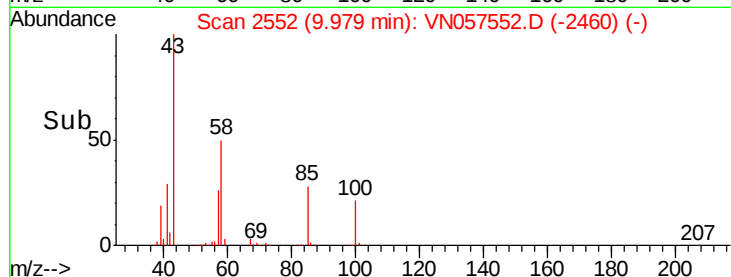
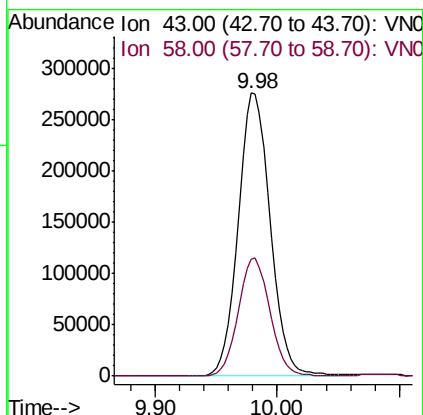
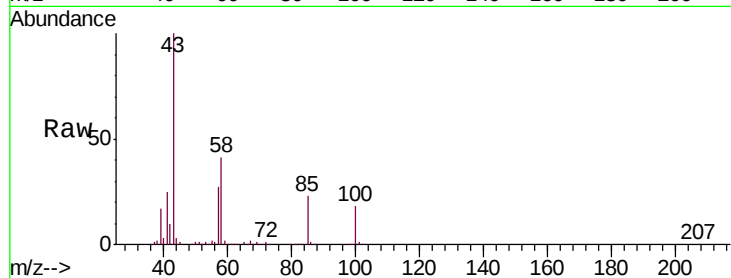




#51
4-Methyl-2-Pentanone
Concen: 76.102 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

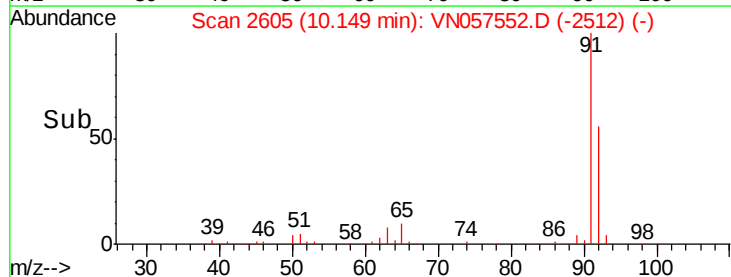
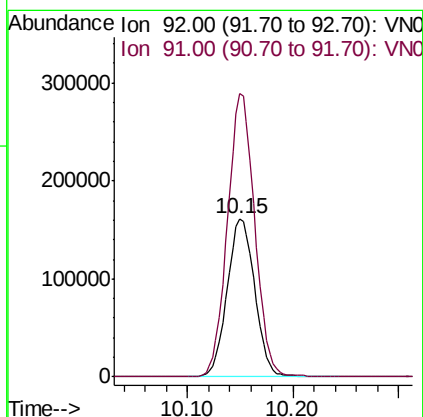
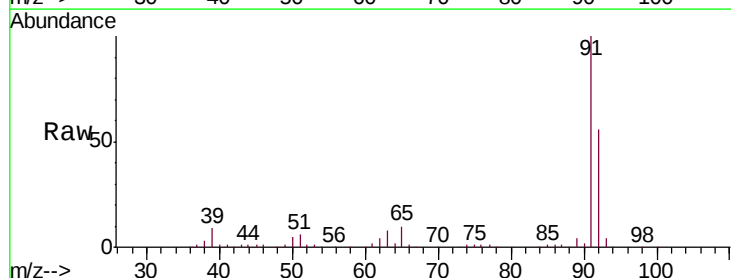
Instrument :
MSVOA_N
ClientSampleId :

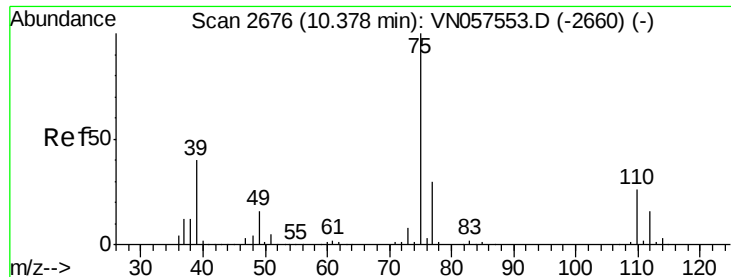
Tot Ion: 43 Resp: 498255
Ion Ratio Lower Upper
43 100
58 41.4 27.9 41.9



#52
Toluene
Concen: 23.744 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 92 Resp: 292357
Ion Ratio Lower Upper
92 100
91 176.8 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 19.768 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

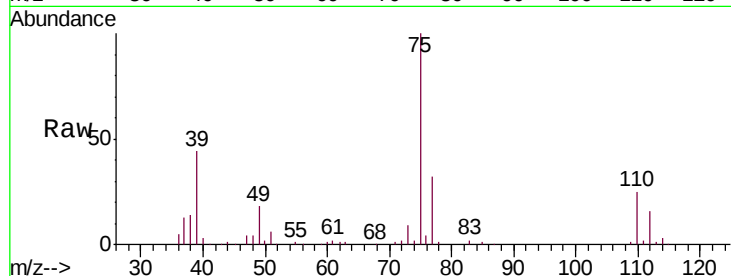
ClientSampled :

Tot Ion: 75 Resp: 159915

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

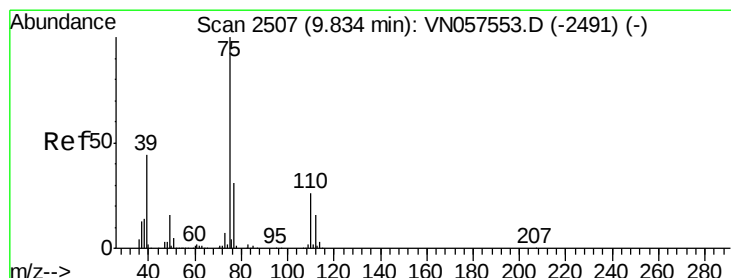
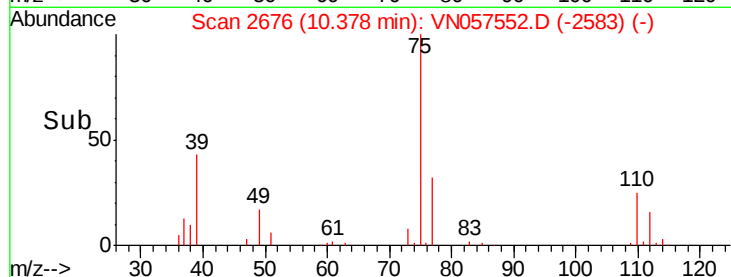
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.744 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

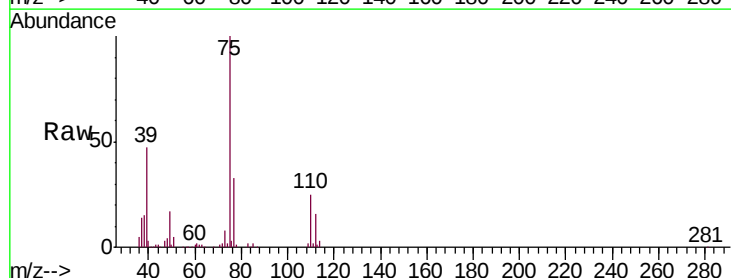
Tgt Ion: 75 Resp: 177059

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

39 47.1 49.2 73.8#



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

9.83

120000

100000

80000

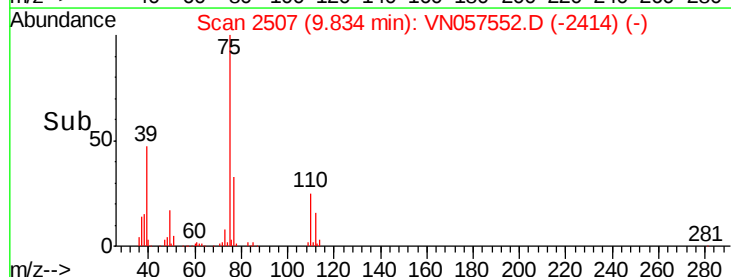
60000

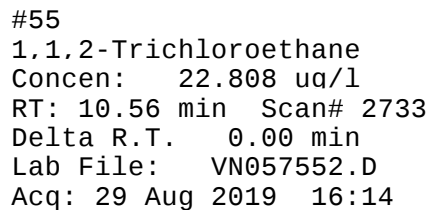
40000

20000

0

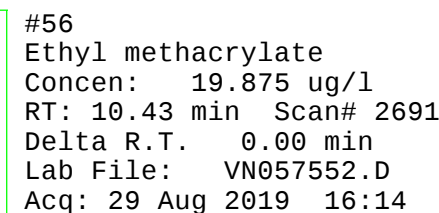
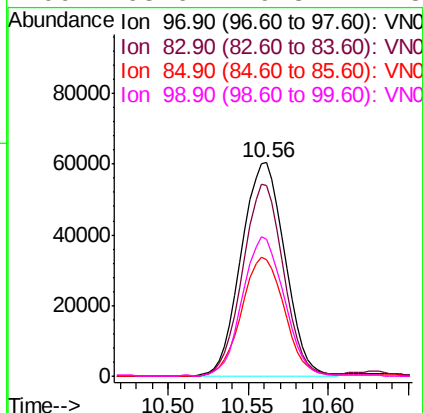
Time-->



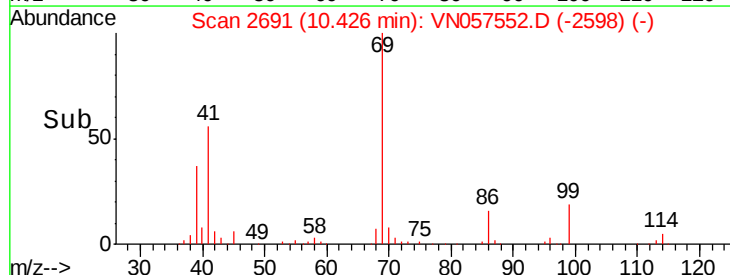
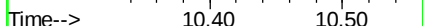
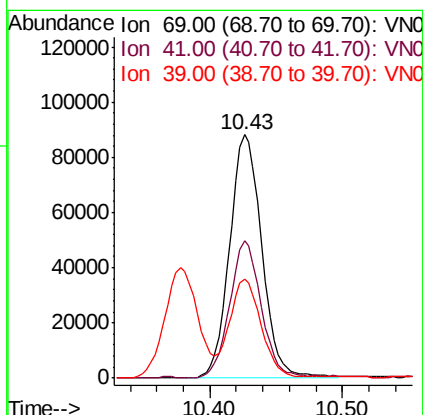


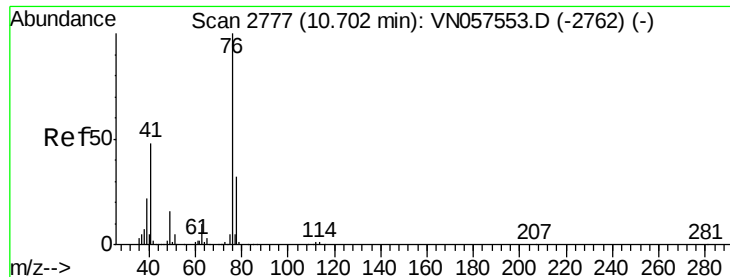
Instrument : MSVOA_N
ClientSampleId :

Tat	Ion: 97	Resp:	113030
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.7	110.5
85	54.8	46.8	70.2
99	63.6	49.8	74.8



Tgt	Ion: 69	Resp:	149192
Ion	Ratio	Lower	Upper
69	100		
41	54.3	60.8	91.2#
39	39.0	36.5	54.7





#57

1,3-Dichloropropane

Concen: 20.994 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

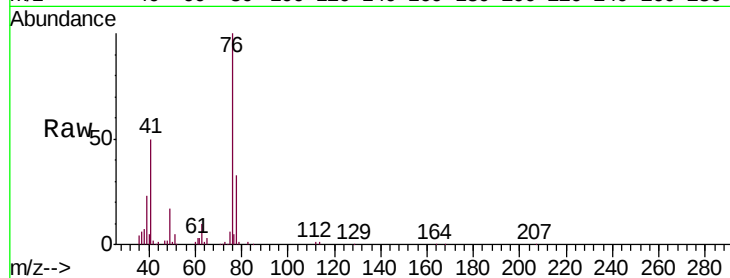
ClientSampled :

Tot Ion: 76 Resp: 176662

Ion Ratio Lower Upper

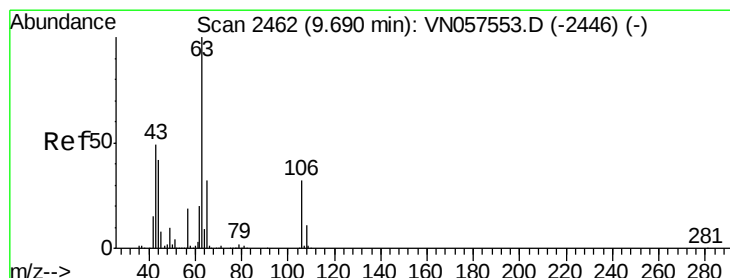
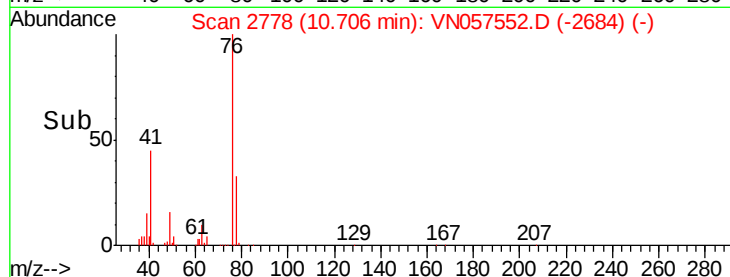
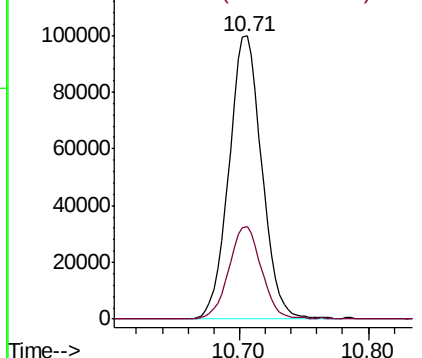
76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 90.367 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057552.D

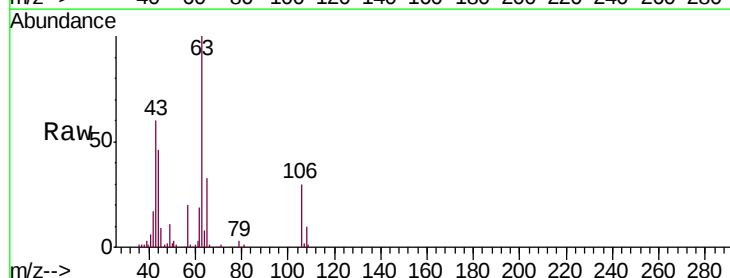
Acq: 29 Aug 2019 16:14

Tgt Ion: 63 Resp: 160387

Ion Ratio Lower Upper

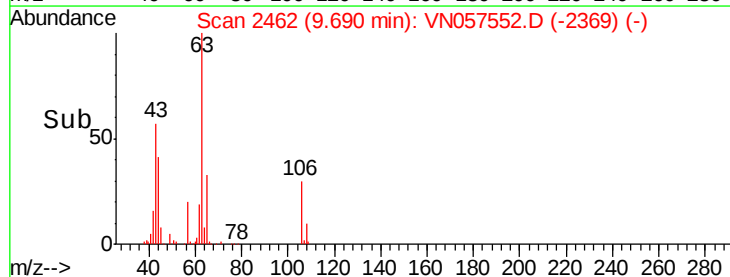
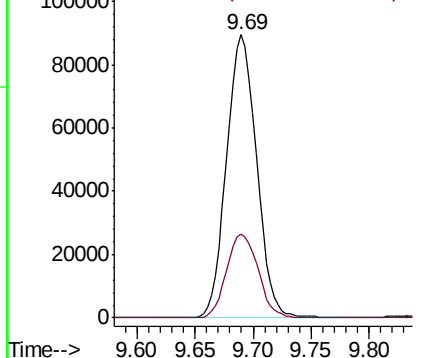
63 100

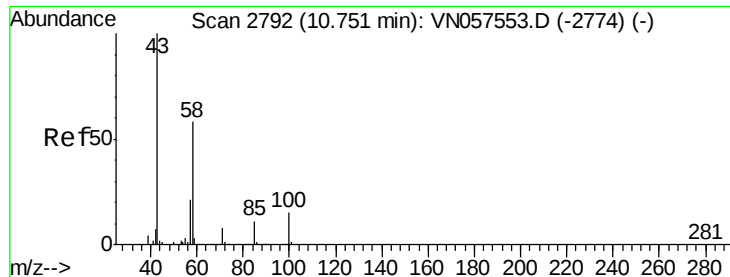
106 31.1 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

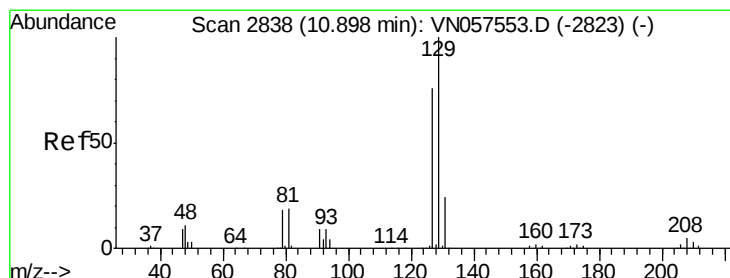
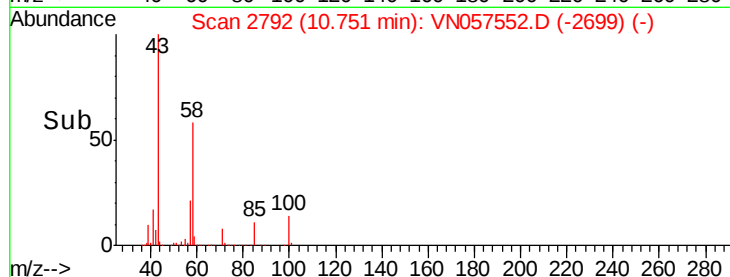
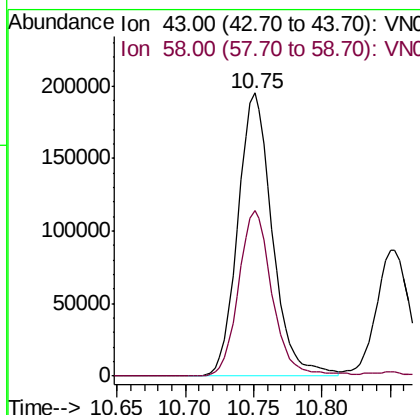
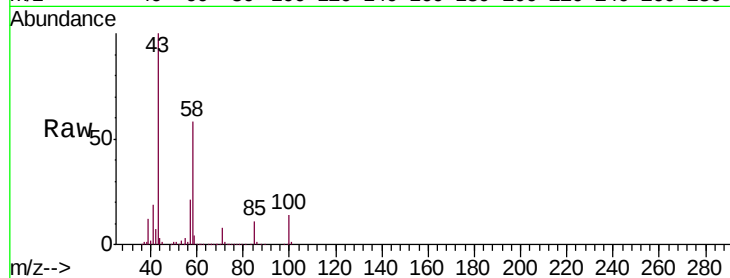




#59
2-Hexanone
Concen: 75.448 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

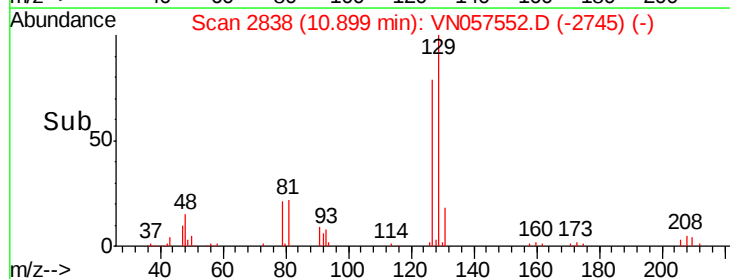
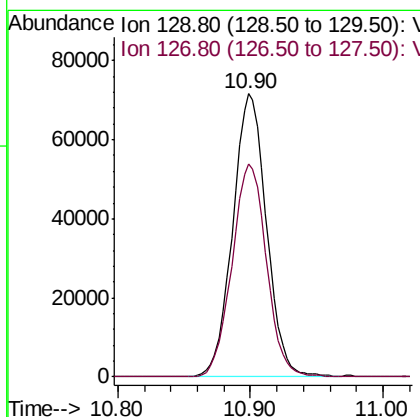
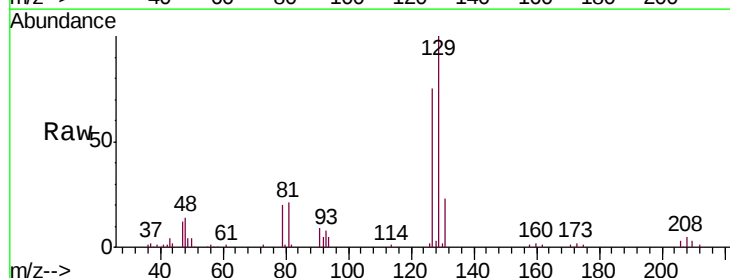
Instrument :
MSVOA_N
ClientSampled :

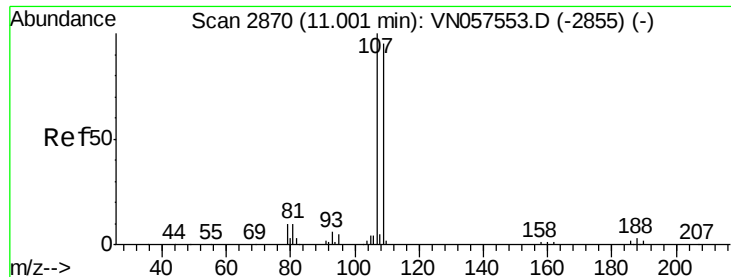
Tot Ion: 43 Resp: 339465
Ion Ratio Lower Upper
43 100
58 57.7 24.6 73.6



#60
Dibromochloromethane
Concen: 23.637 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 129 Resp: 126555
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9

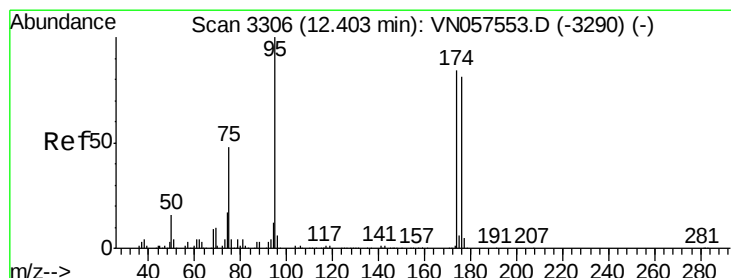
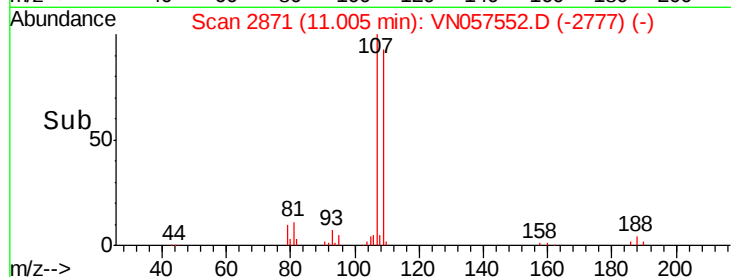
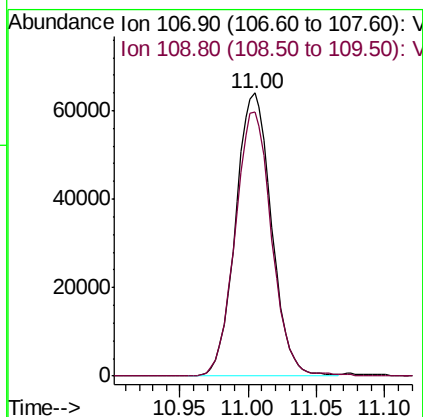
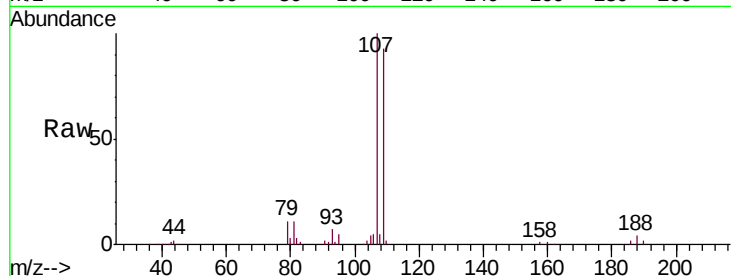




#61
 1,2-Dibromoethane
 Concen: 23.853 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

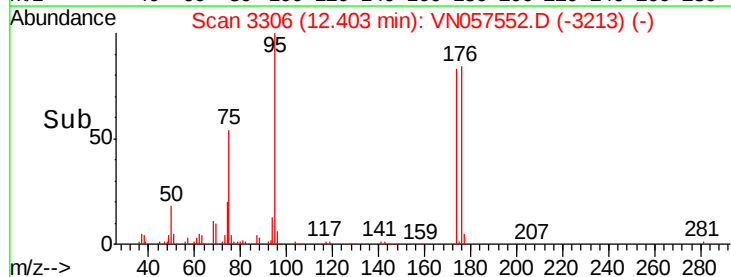
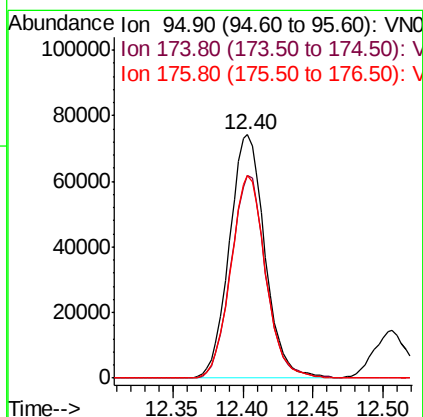
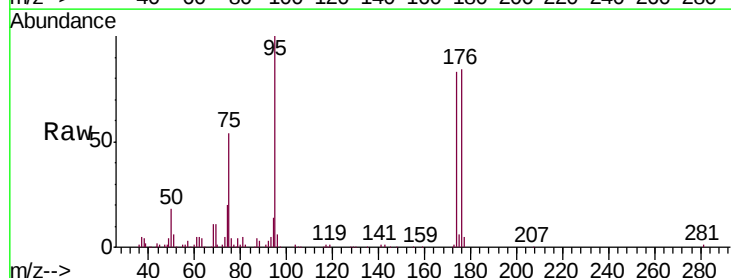
Instrument :
 MSVOA_N
 ClientSampleId :

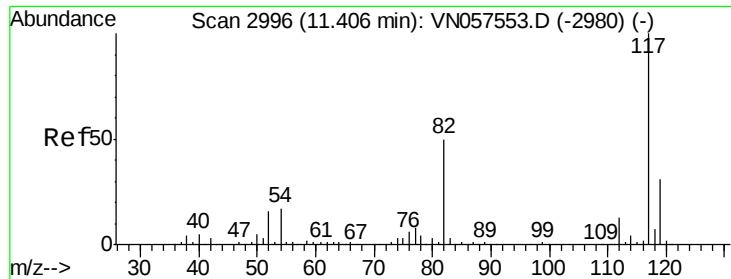
Tot Ion:107 Resp: 117105
 Ion Ratio Lower Upper
 107 100
 109 94.8 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 21.479 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion: 95 Resp: 131051
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 133.0
 176 81.6 0.0 130.8

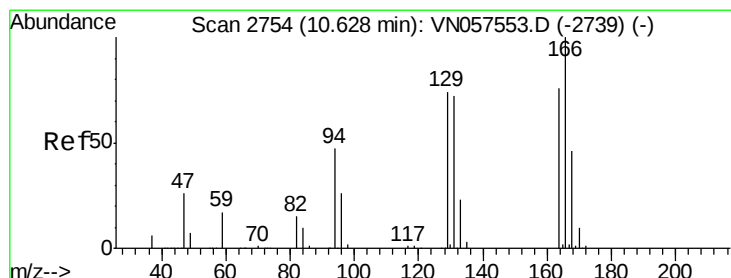
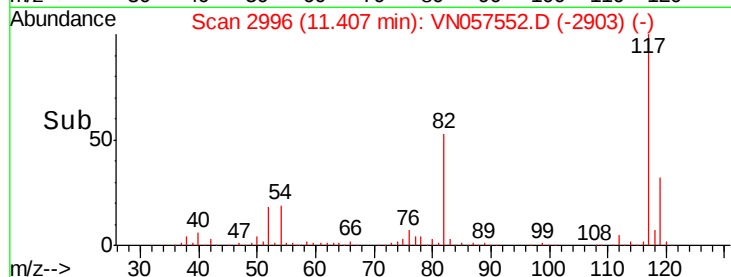
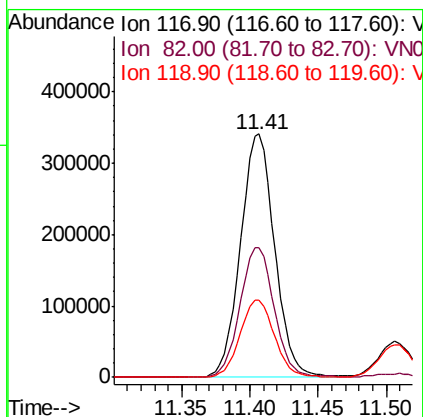
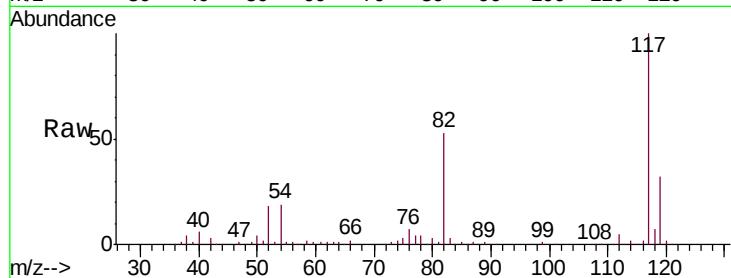




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

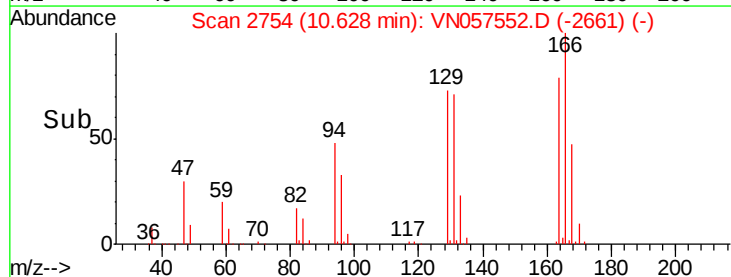
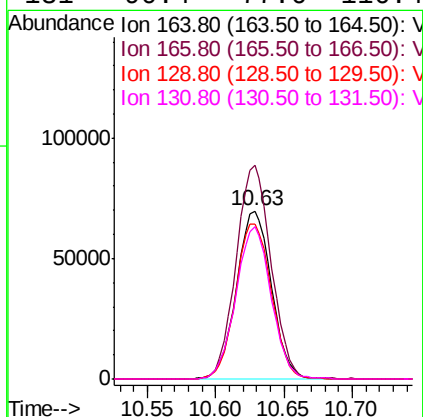
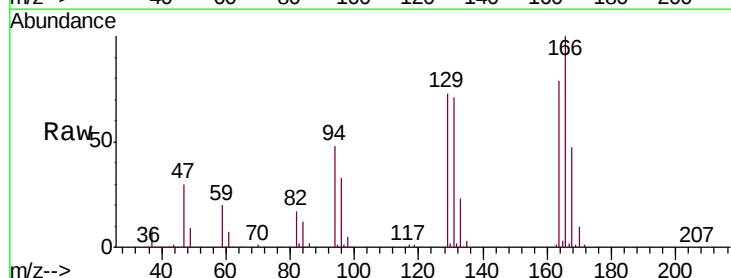
Instrument :
MSVOA_N
ClientSampled :

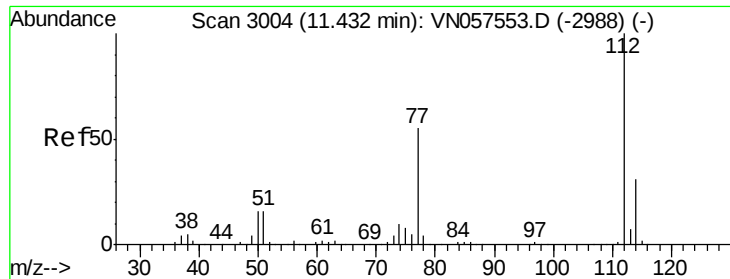
Tot Ion:117 Resp: 593338
Ion Ratio Lower Upper
117 100
82 53.3 50.6 75.8
119 31.7 24.6 36.8



#64
Tetrachloroethene
Concen: 27.936 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion:164 Resp: 124638
Ion Ratio Lower Upper
164 100
166 127.3 104.4 156.6
129 92.5 86.6 130.0
131 90.4 77.6 116.4

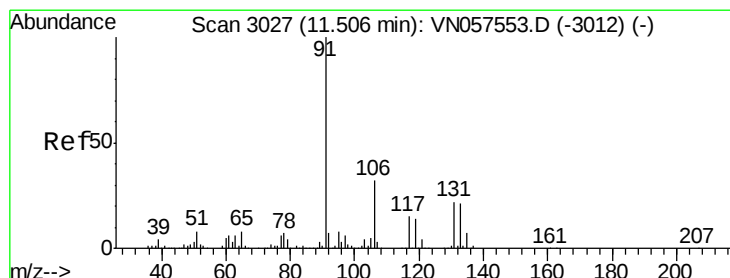
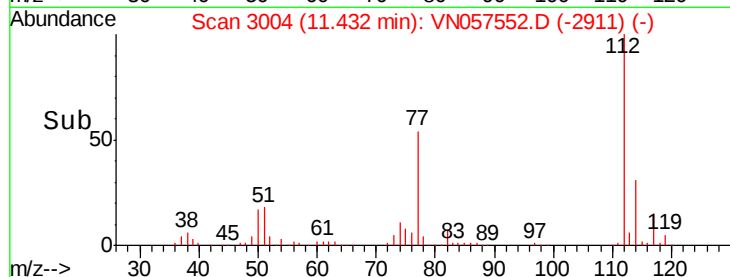
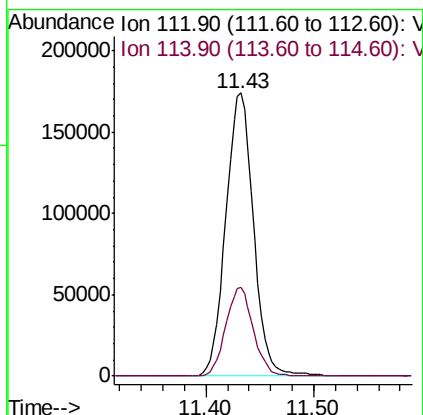
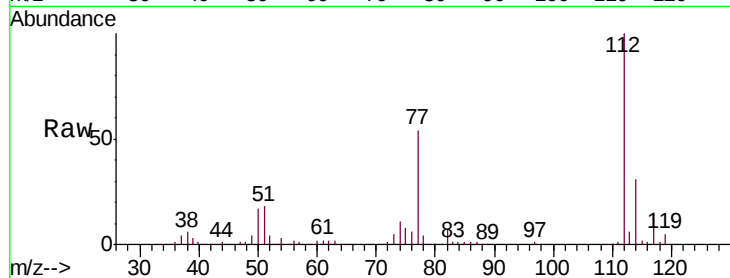




#65
Chlorobenzene
Concen: 24.669 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

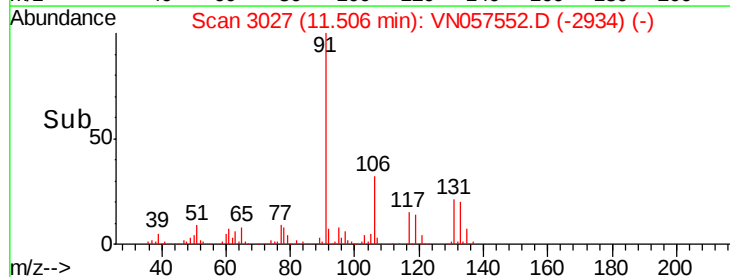
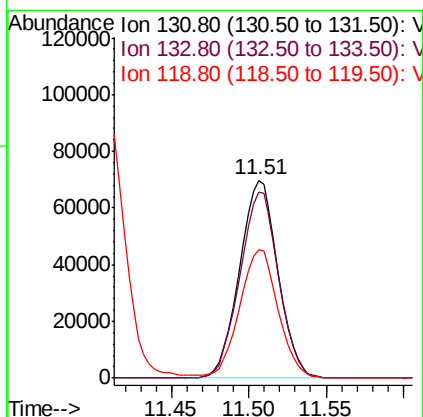
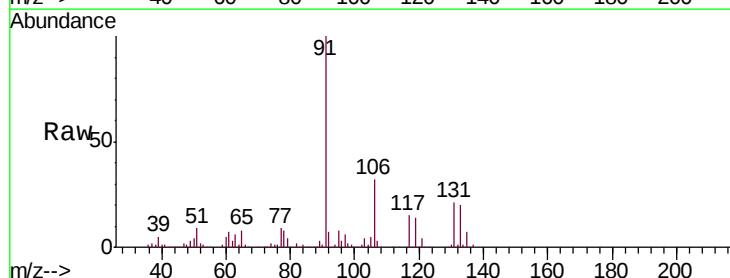
Instrument :
MSVOA_N
ClientSampled :

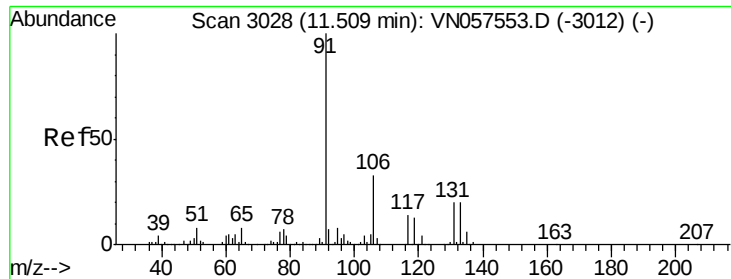
Tot Ion:112 Resp: 312080
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 24.688 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion:131 Resp: 120434
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 64.9 34.4 103.2





#67

Ethyl Benzene

Concen: 23.565 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

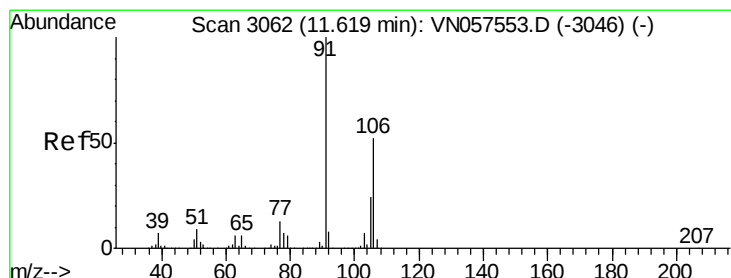
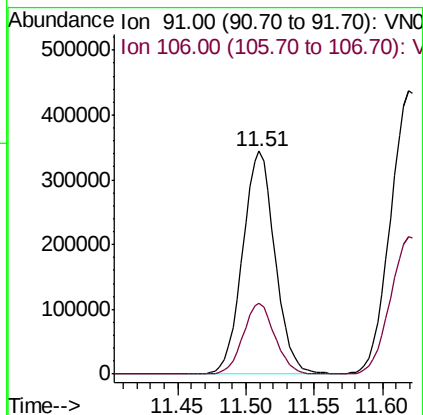
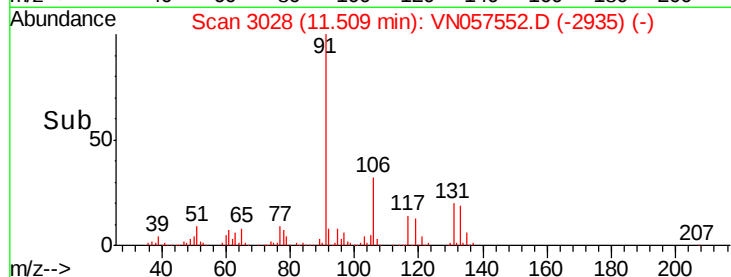
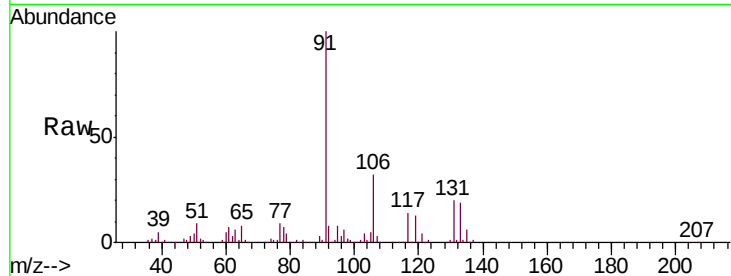
ClientSampled :

Tot Ion: 91 Resp: 566461

Ion Ratio Lower Upper

91 100

106 31.9 24.1 36.1



#68

m/p-Xylenes

Concen: 50.216 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057552.D

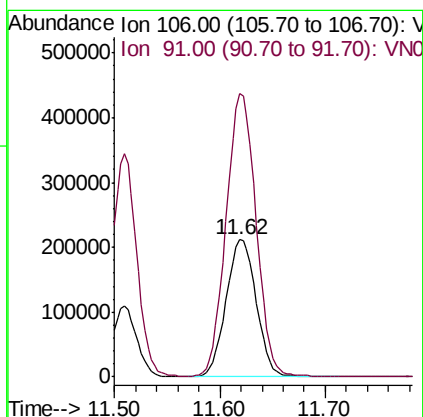
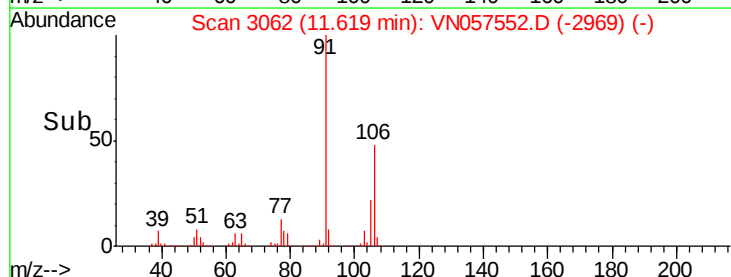
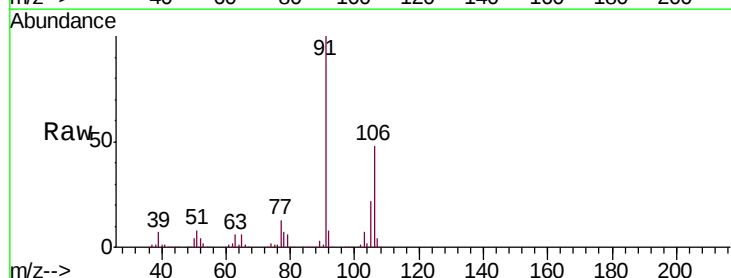
Acq: 29 Aug 2019 16:14

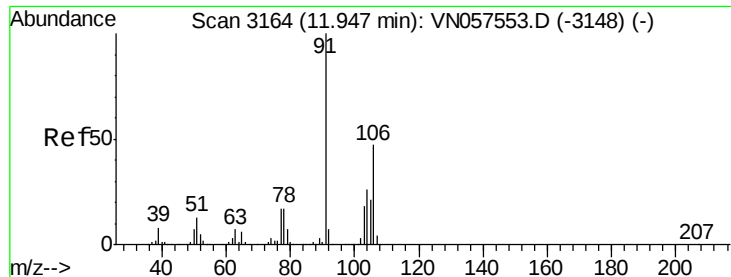
Tgt Ion: 106 Resp: 419458

Ion Ratio Lower Upper

106 100

91 205.5 171.8 257.6

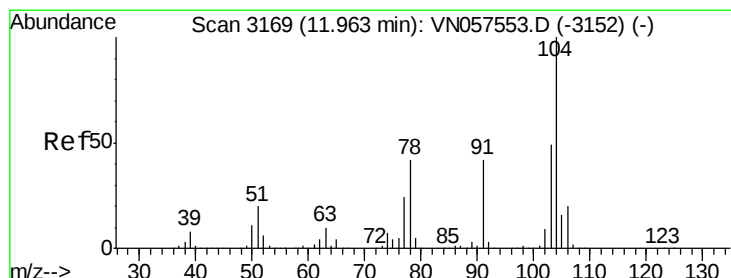
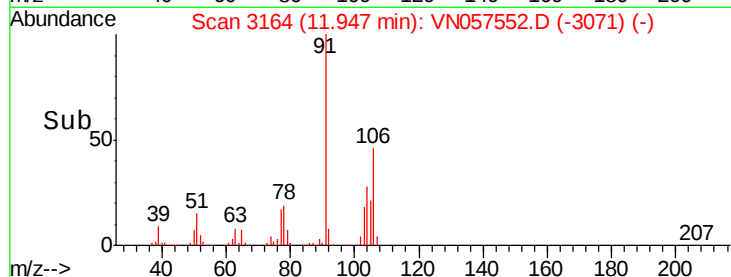
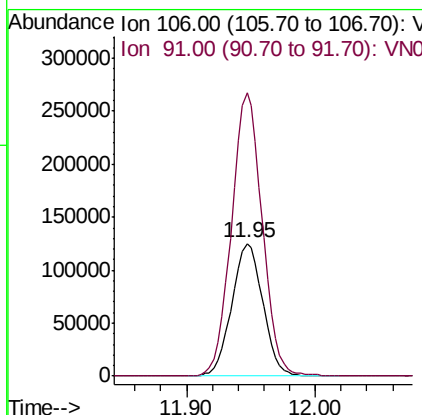
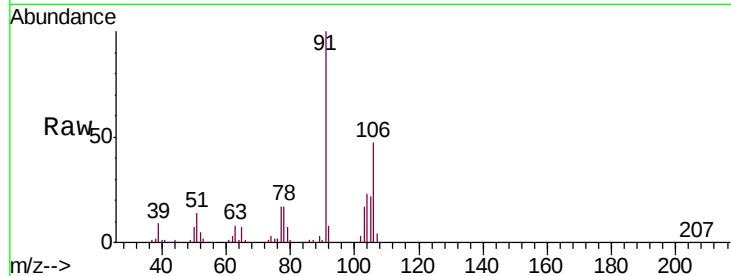




#69
o-Xylene
Concen: 25.476 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

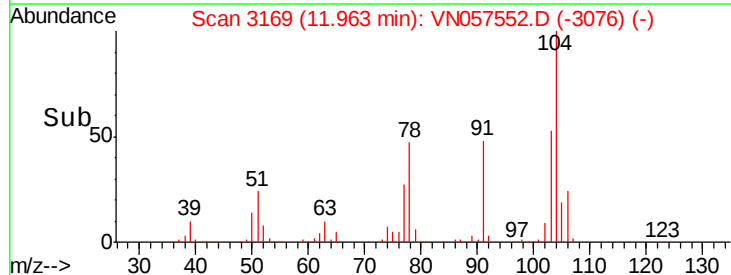
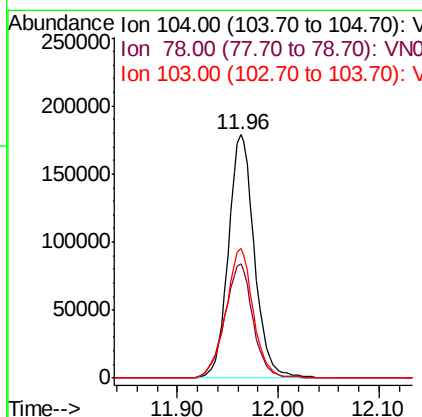
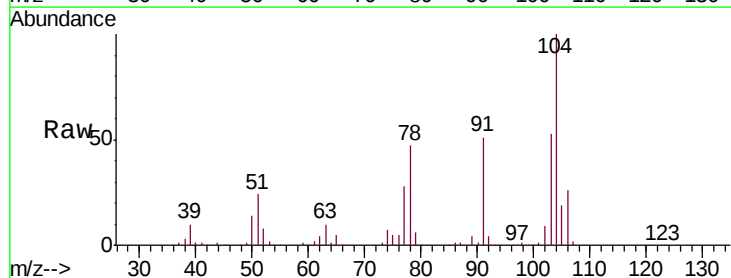
Instrument :
MSVOA_N
ClientSampled :

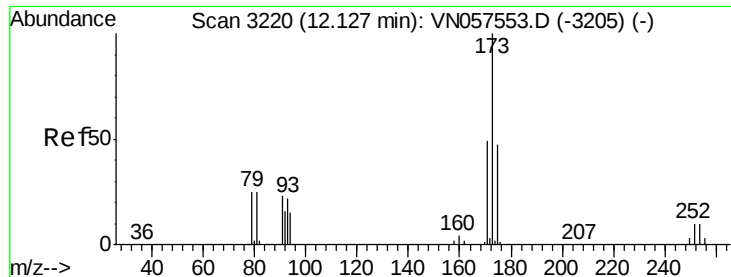
Tot Ion:106 Resp: 209901
Ion Ratio Lower Upper
106 100
91 210.5 112.3 336.9



#70
Styrene
Concen: 24.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion:104 Resp: 321412
Ion Ratio Lower Upper
104 100
78 51.2 44.7 67.1
103 56.3 44.4 66.6





#71

Bromoform

Concen: 24.488 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

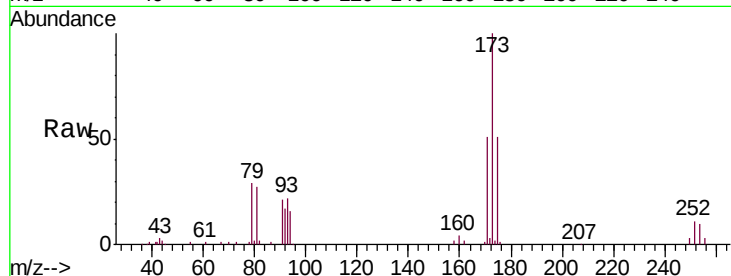
Tot Ion:173 Resp: 81148

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

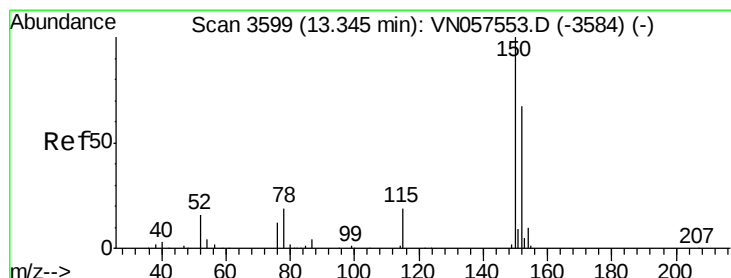
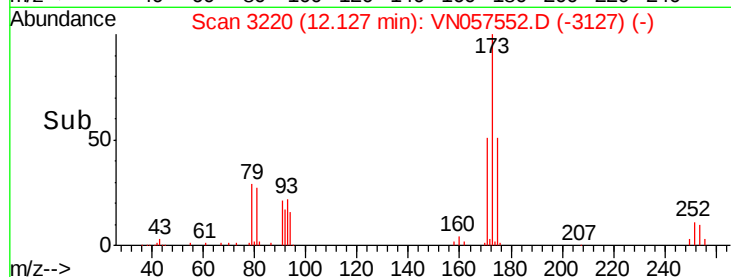
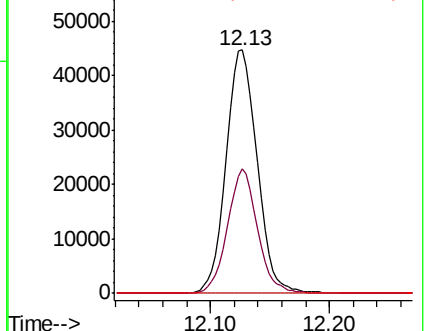
254 0.0 0.1 0.1#



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: VN057552.D

Acq: 29 Aug 2019 16:14

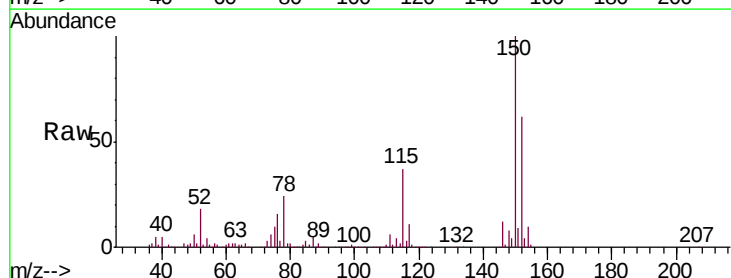
Tgt Ion:152 Resp: 261394

Ion Ratio Lower Upper

152 100

115 60.3 32.0 96.0

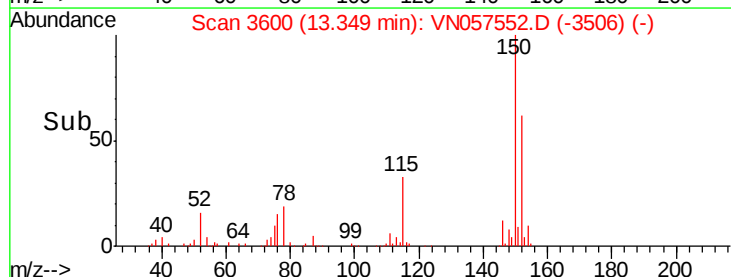
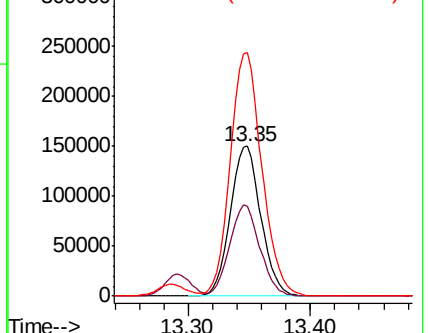
150 168.4 0.0 346.6

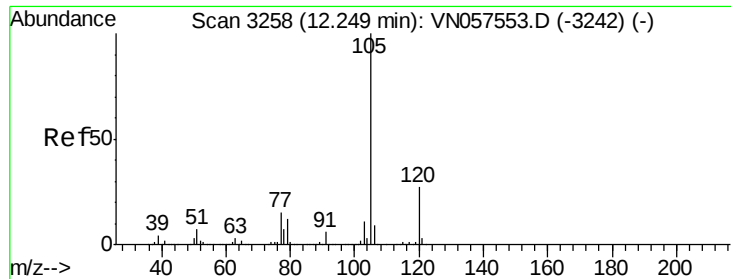


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.296 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

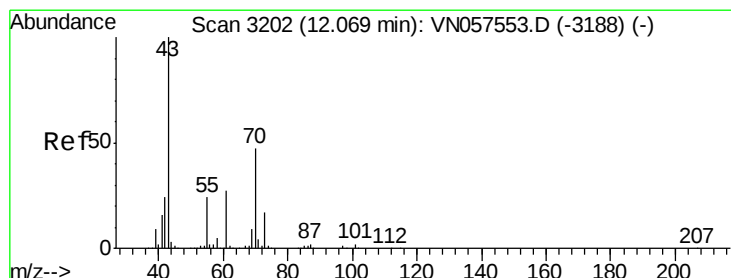
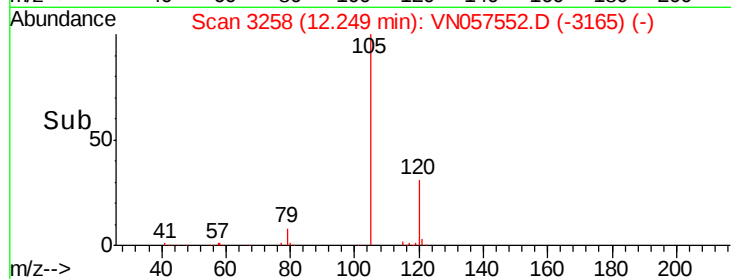
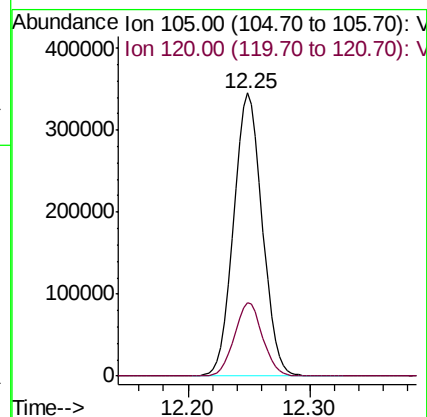
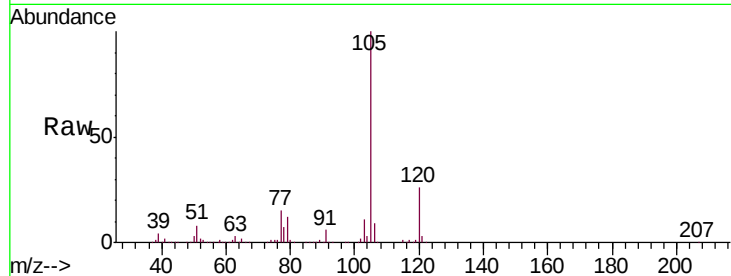
ClientSampleId :

Tot Ion:105 Resp: 563994

Ion Ratio Lower Upper

105 100

120 25.7 12.7 38.0



#74

N-ethyl acetate

Concen: 11.335 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion: 43 Resp: 141803

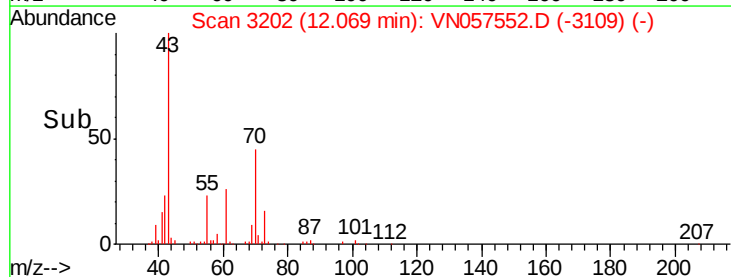
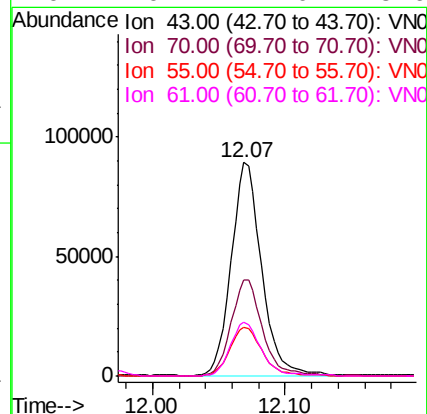
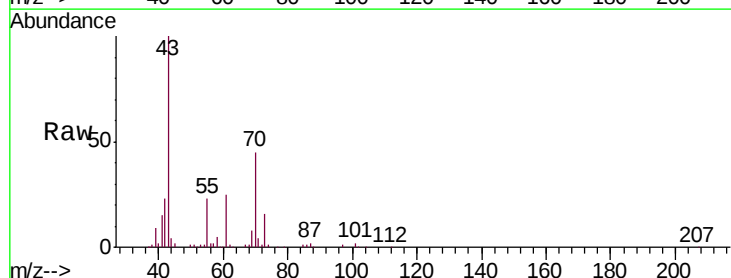
Ion Ratio Lower Upper

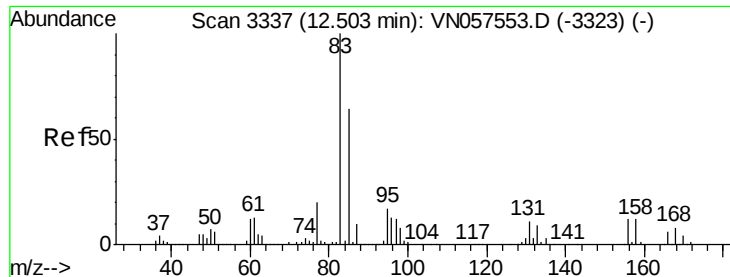
43 100

70 46.7 27.8 41.6#

55 24.8 17.0 25.4

61 26.1 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 16.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

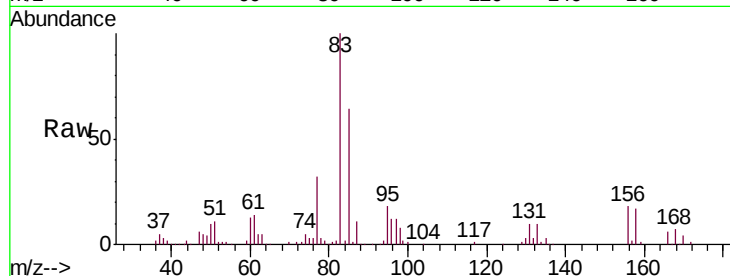
Tot Ion: 83 Resp: 139039

Ion Ratio Lower Upper

83 100

131 10.4 4.3 13.1

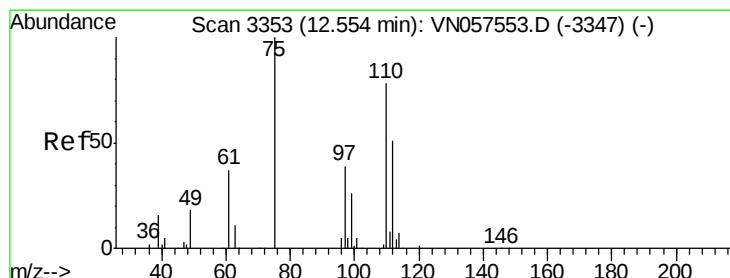
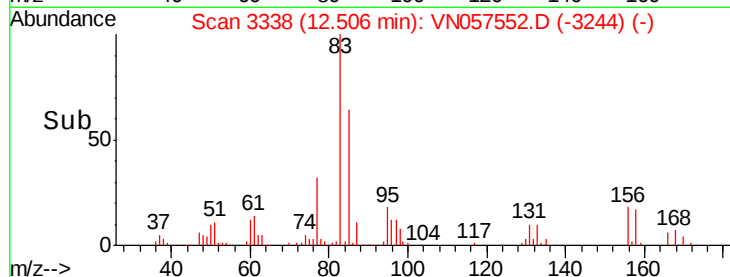
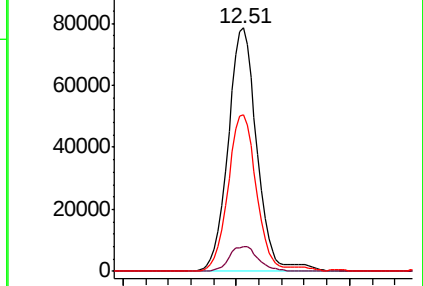
85 63.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN057553.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 25.460 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057552.D

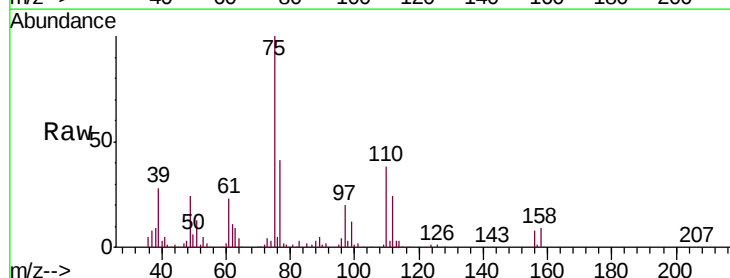
Acq: 29 Aug 2019 16:14

Tgt Ion: 75 Resp: 165022

Ion Ratio Lower Upper

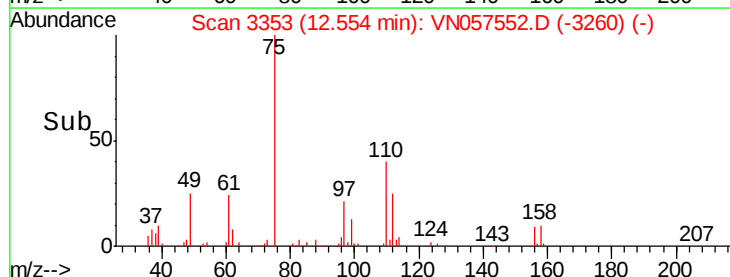
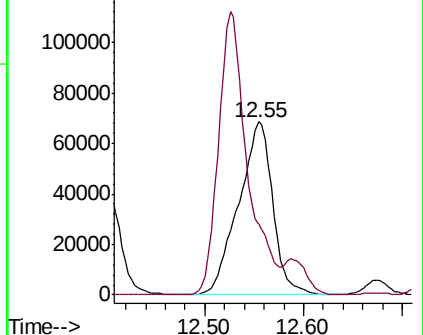
75 100

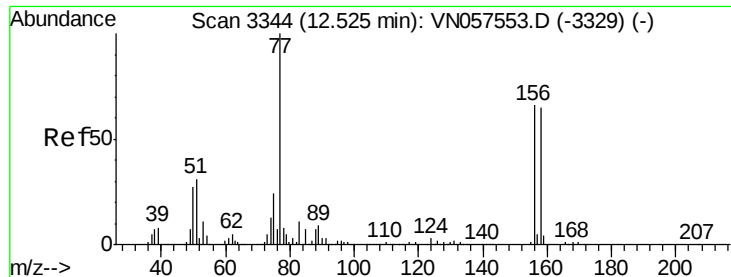
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057553.D (-3347) (-)





#77

Bromobenzene

Concen: 21.155 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

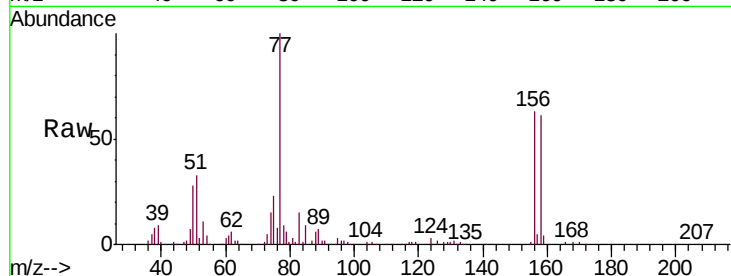
Tot Ion:156 Resp: 125594

Ion Ratio Lower Upper

156 100

77 185.7 124.4 373.3

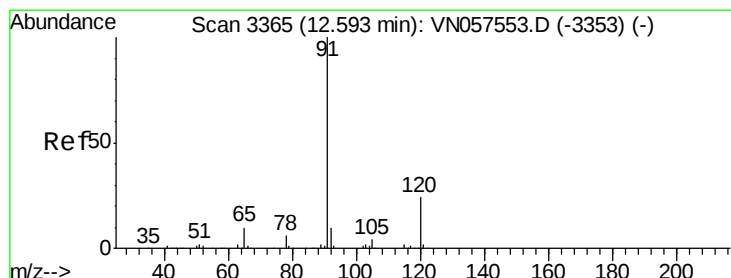
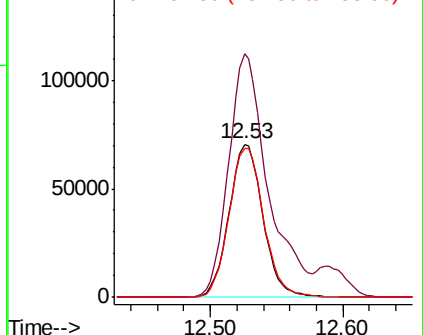
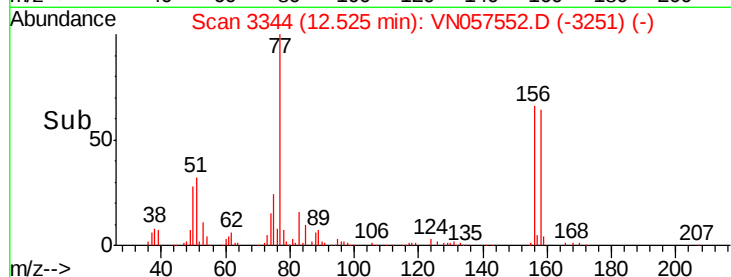
158 99.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.427 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057552.D

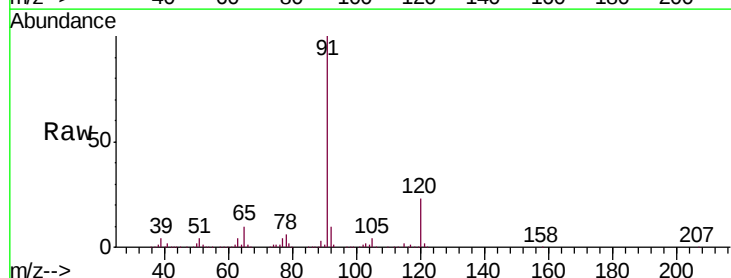
Acq: 29 Aug 2019 16:14

Tgt Ion: 91 Resp: 567102

Ion Ratio Lower Upper

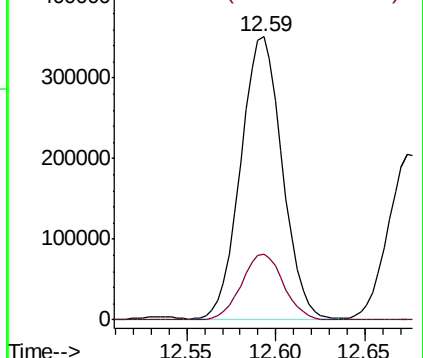
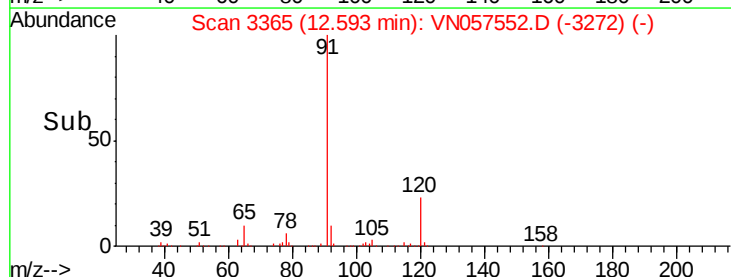
91 100

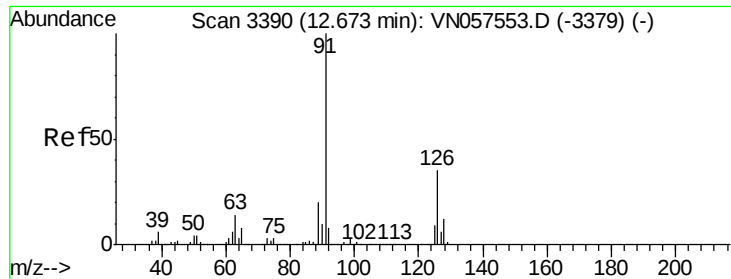
120 23.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.942 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

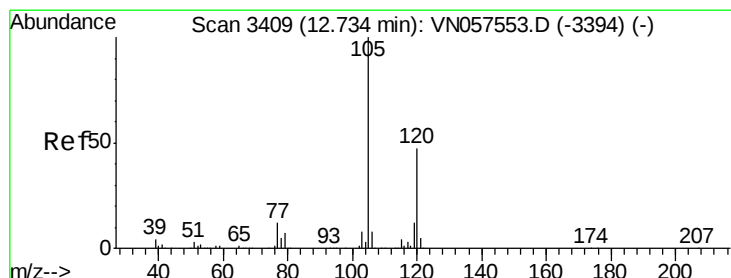
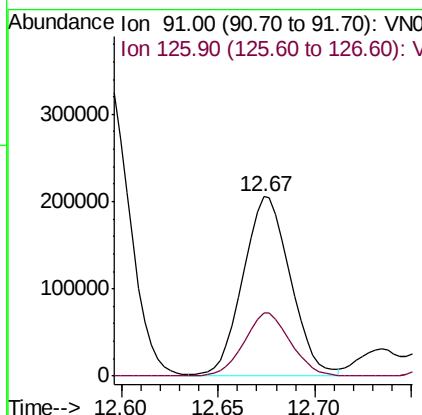
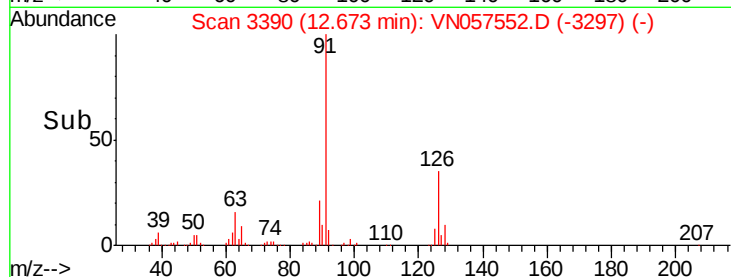
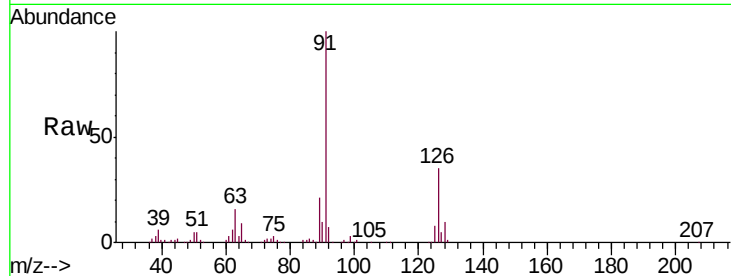
ClientSampled :

Tot Ion: 91 Resp: 347385

Ion Ratio Lower Upper

91 100

126 35.0 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 19.829 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057552.D

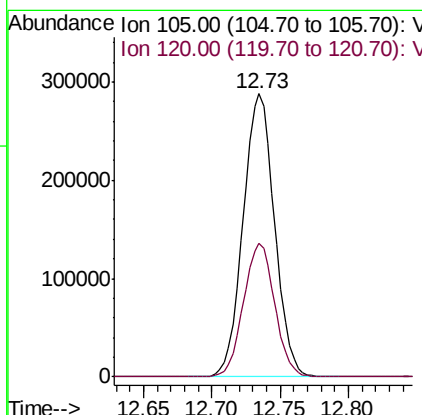
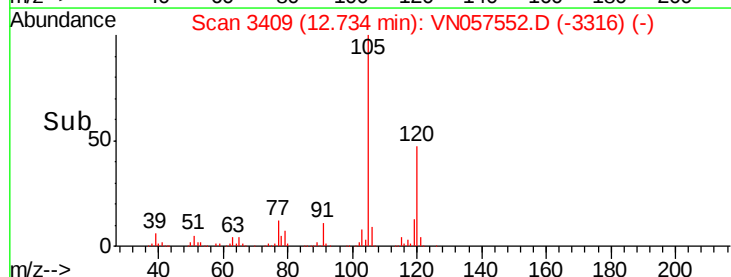
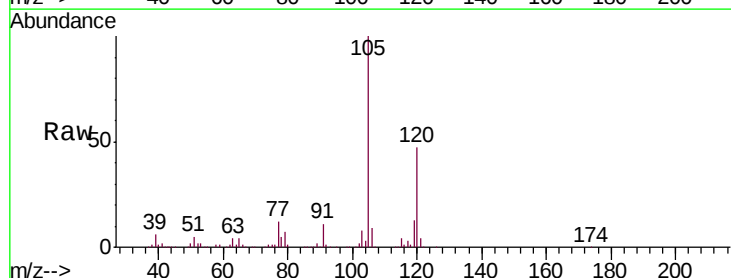
Acq: 29 Aug 2019 16:14

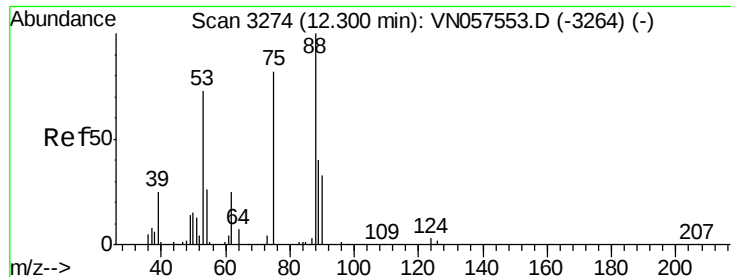
Tgt Ion: 105 Resp: 459054

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 14.312 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

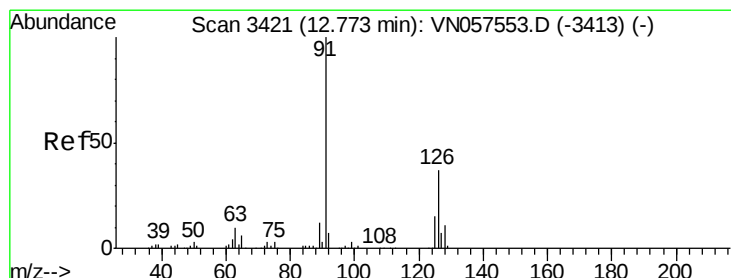
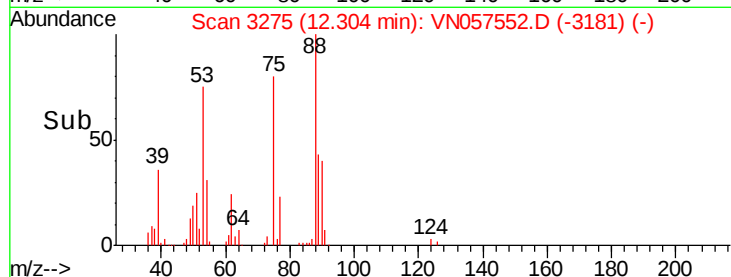
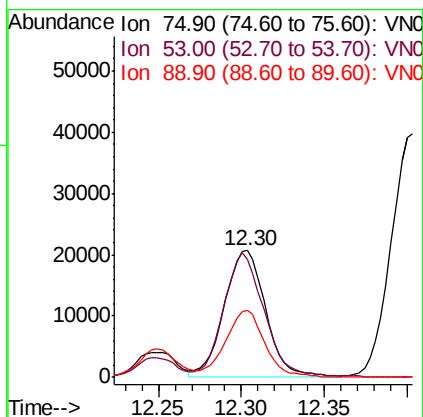
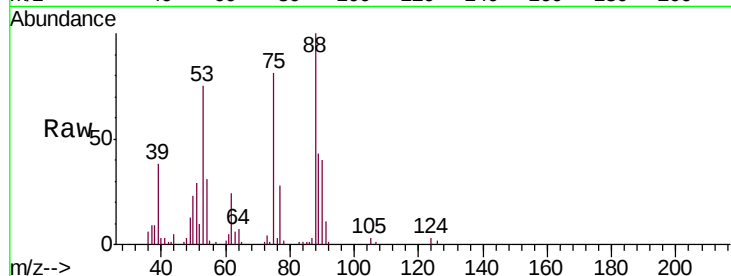
Tot Ion: 75 Resp: 35262

Ion Ratio Lower Upper

75 100

53 95.7 82.7 124.1

89 51.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 18.697 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057552.D

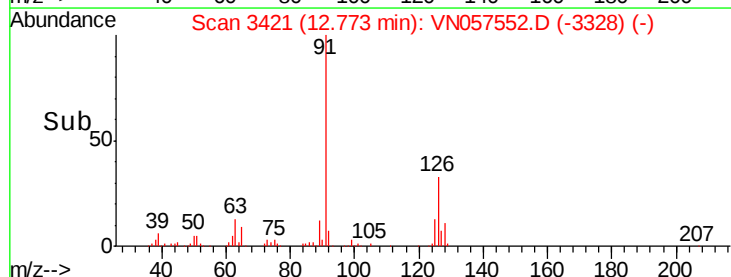
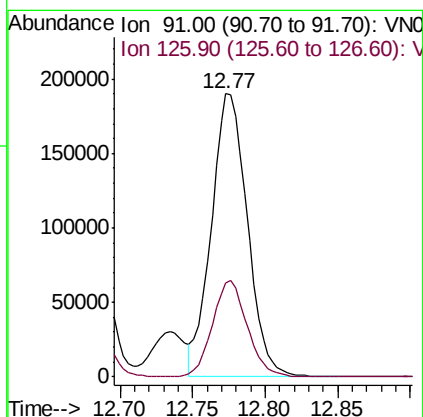
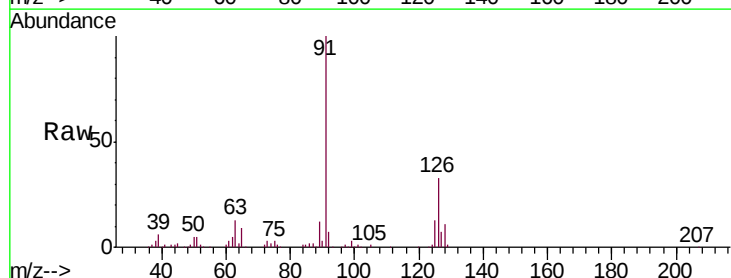
Acq: 29 Aug 2019 16:14

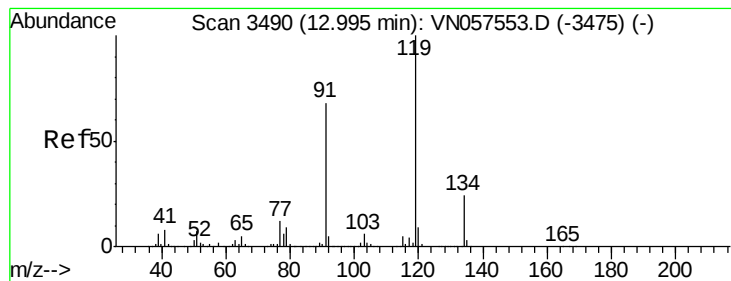
Tgt Ion: 91 Resp: 327749

Ion Ratio Lower Upper

91 100

126 33.2 15.0 45.0





#83

tert-Butylbenzene

Concen: 19.421 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

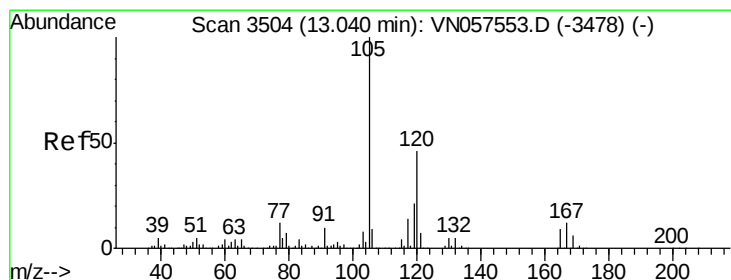
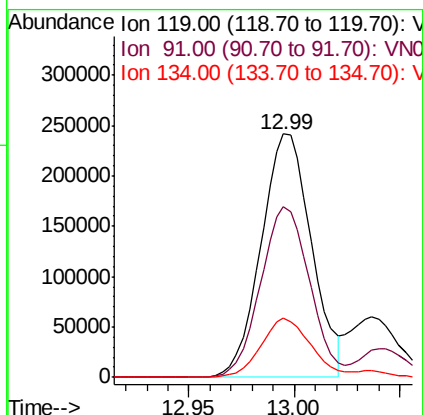
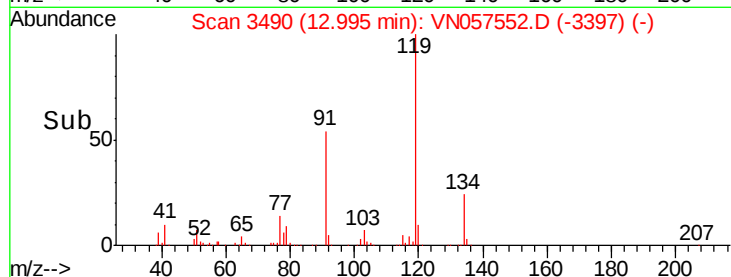
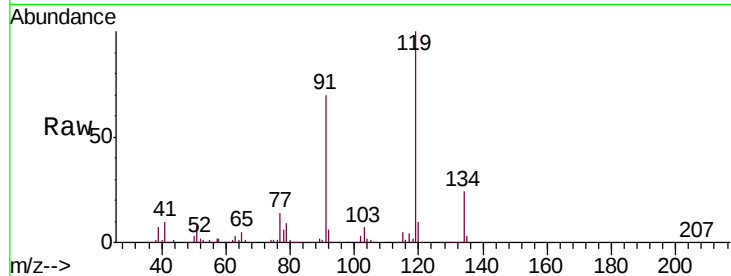
Tot Ion:119 Resp: 401721

Ion Ratio Lower Upper

119 100

91 68.4 37.0 111.0

134 24.0 12.2 36.6



#84

1,2,4-Trimethylbenzene

Concen: 21.308 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057552.D

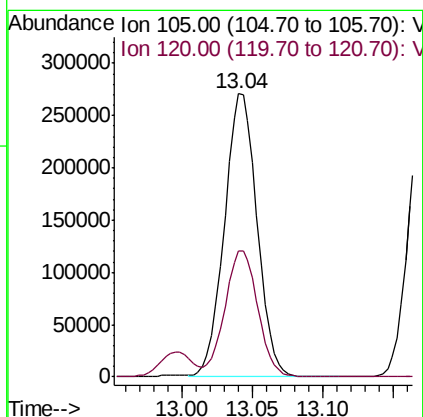
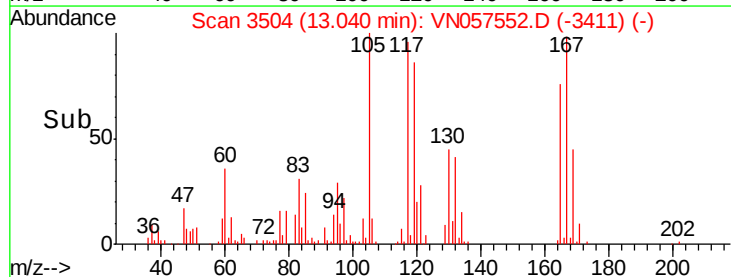
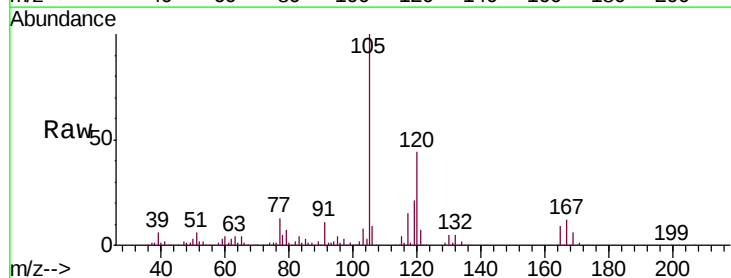
Acq: 29 Aug 2019 16:14

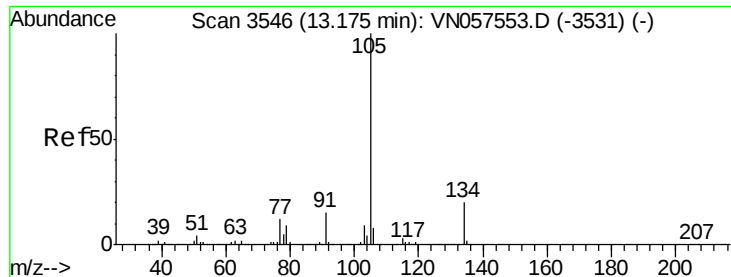
Tgt Ion:105 Resp: 437650

Ion Ratio Lower Upper

105 100

120 45.1 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.016 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

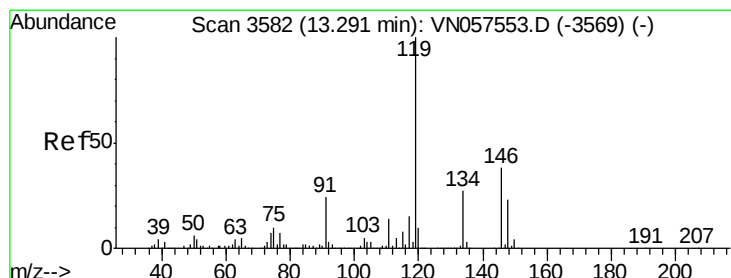
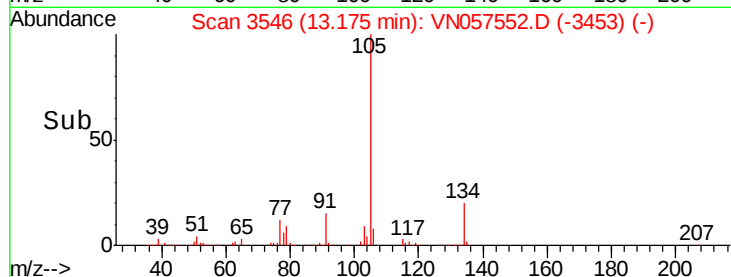
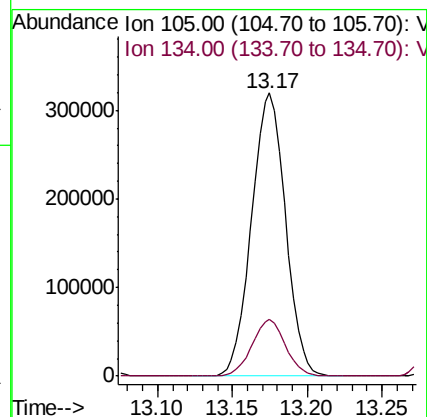
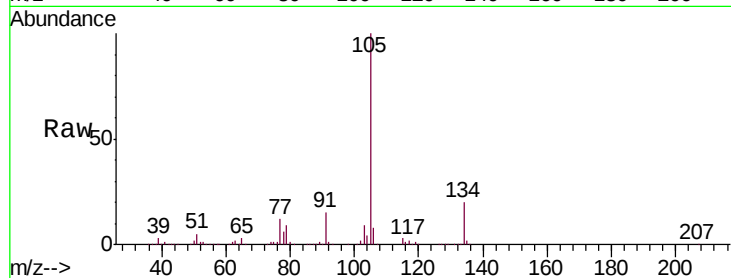
ClientSampleId :

Tot Ion:105 Resp: 504629

Ion Ratio Lower Upper

105 100

134 19.7 9.3 27.9



#86

p-Isopropyltoluene

Concen: 21.011 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

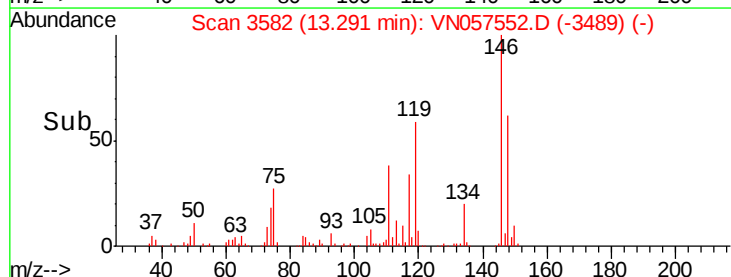
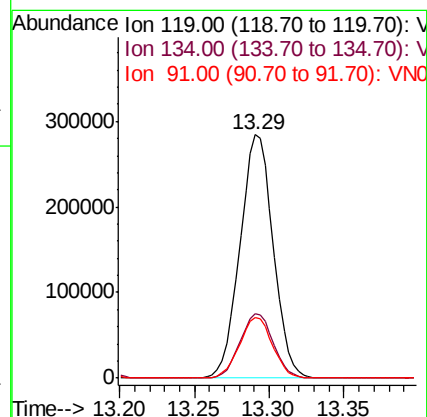
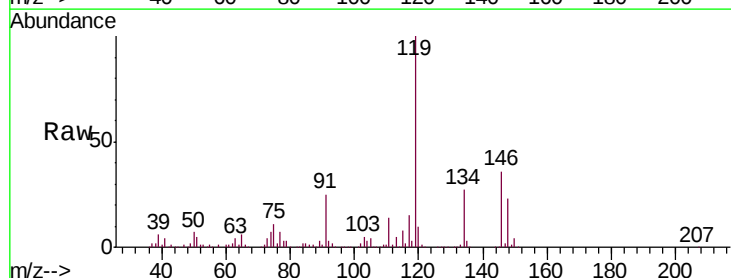
Tgt Ion:119 Resp: 437187

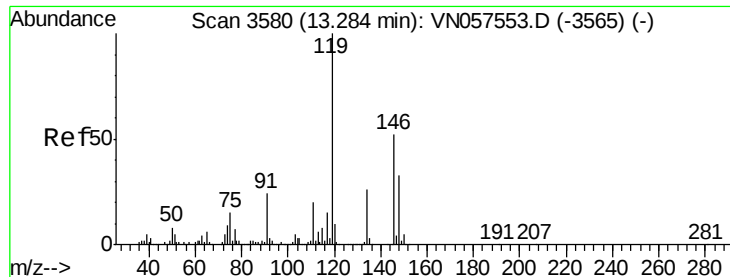
Ion Ratio Lower Upper

119 100

134 26.6 12.7 38.1

91 25.1 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 22.025 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

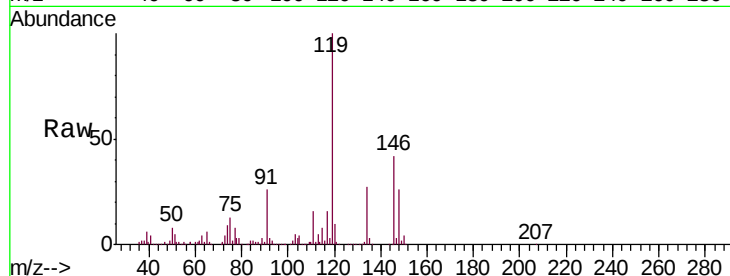
Tot Ion:146 Resp: 192168

Ion Ratio Lower Upper

146 100

111 38.4 22.1 66.1

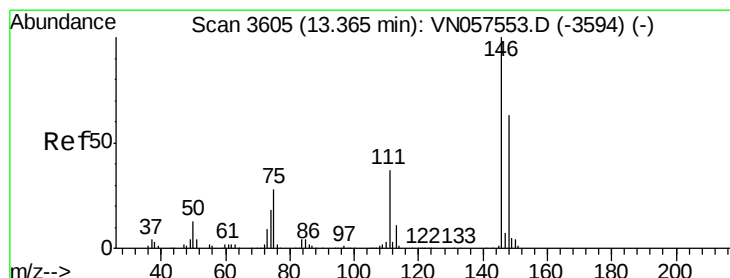
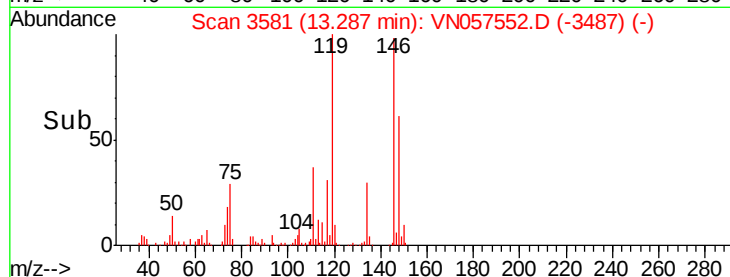
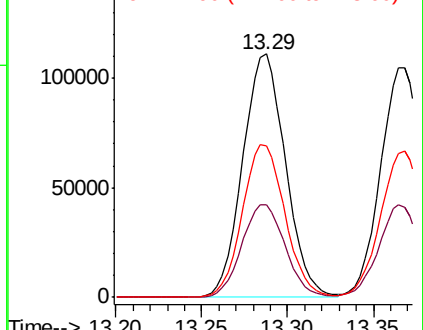
148 62.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

150000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.719 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

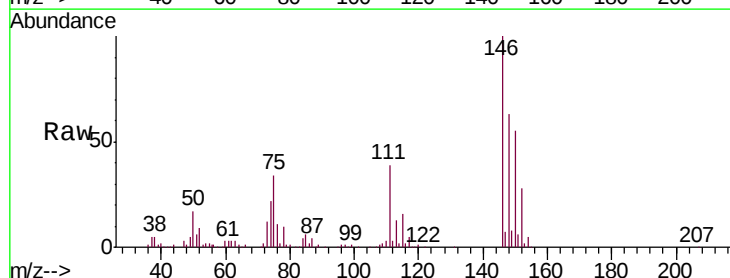
Tgt Ion:146 Resp: 184729

Ion Ratio Lower Upper

146 100

111 40.3 21.9 65.5

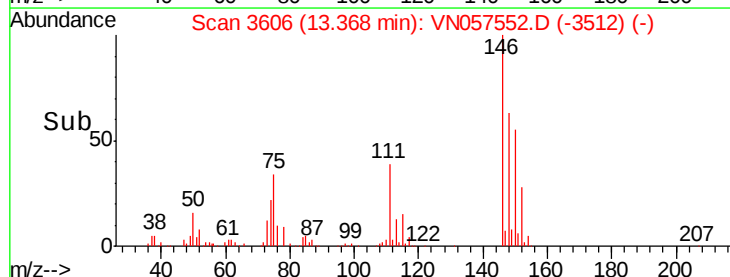
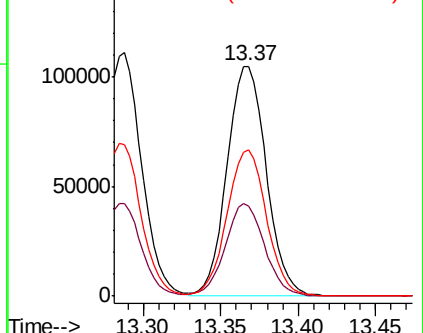
148 64.1 31.1 93.2

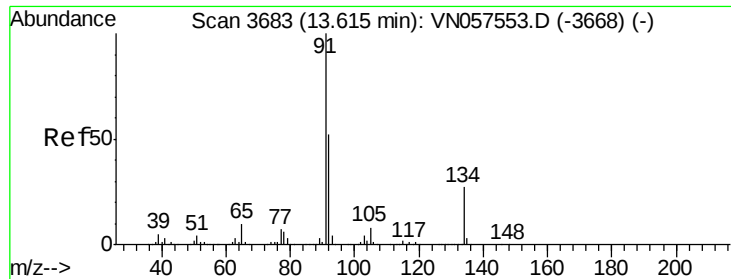


Abundance Ion 145.90 (145.60 to 146.60): V

150000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

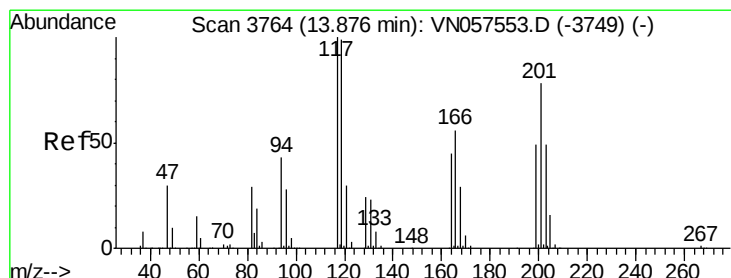
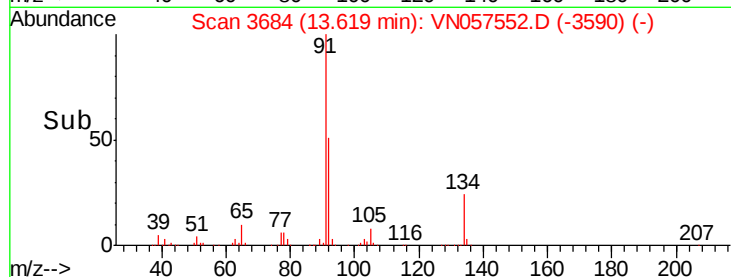
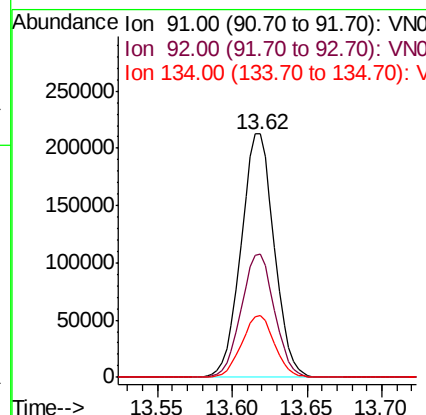
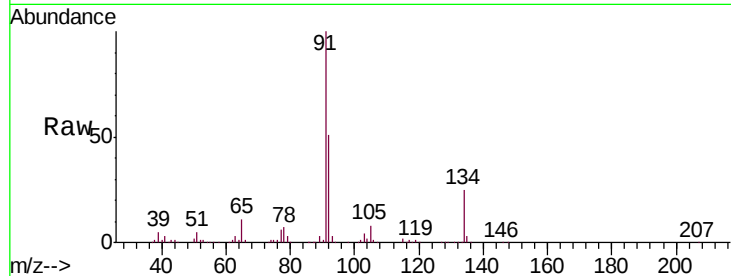




#89
n-Butylbenzene
Concen: 18.992 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

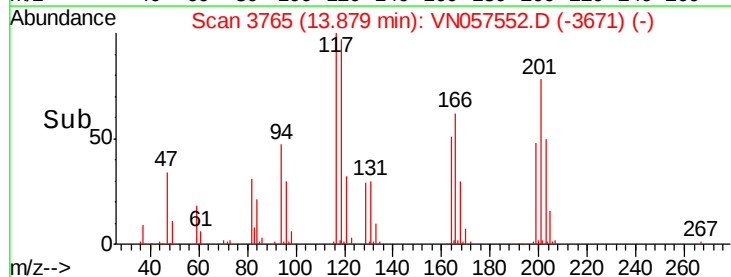
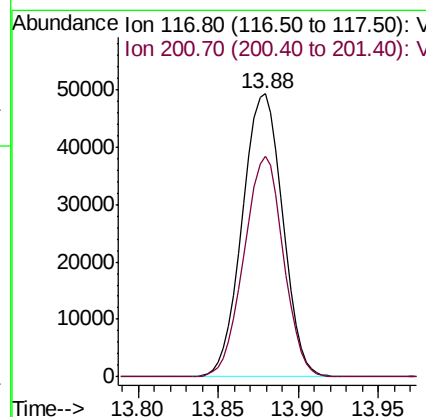
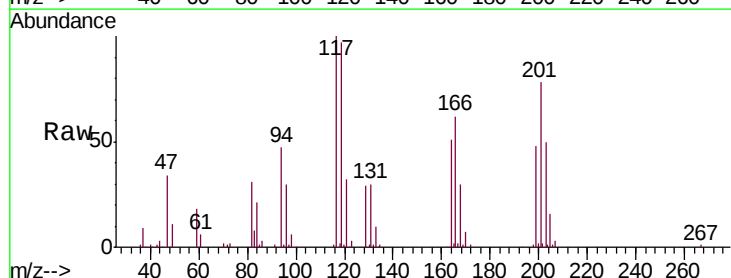
Instrument :
MSVOA_N
ClientSampled :

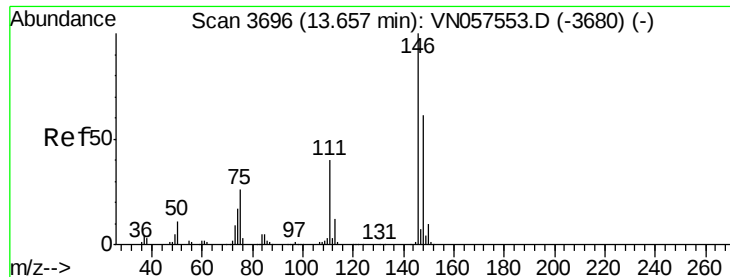
Tot Ion: 91 Resp: 327325
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.0
134 25.1 11.4 34.1



#90
Hexachloroethane
Concen: 17.993 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 117 Resp: 84801
Ion Ratio Lower Upper
117 100
201 75.9 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 23.044 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

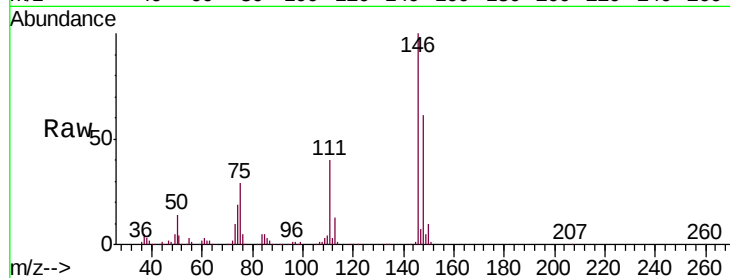
Tot Ion:146 Resp: 191751

Ion Ratio Lower Upper

146 100

111 39.6 23.1 69.2

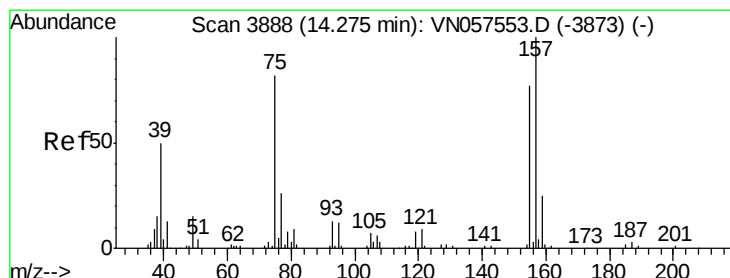
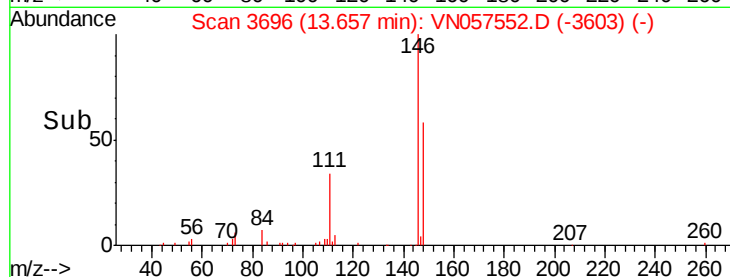
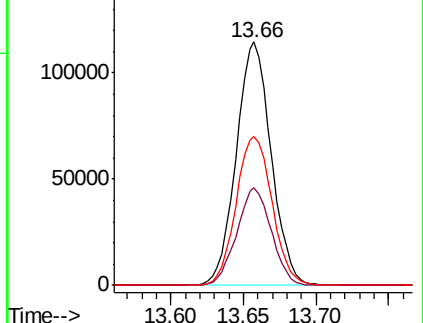
148 63.1 31.8 95.4



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: 15.480 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

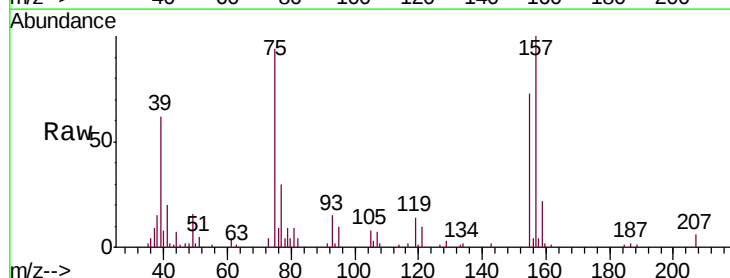
Tgt Ion: 75 Resp: 20888

Ion Ratio Lower Upper

75 100

155 80.7 31.6 94.7

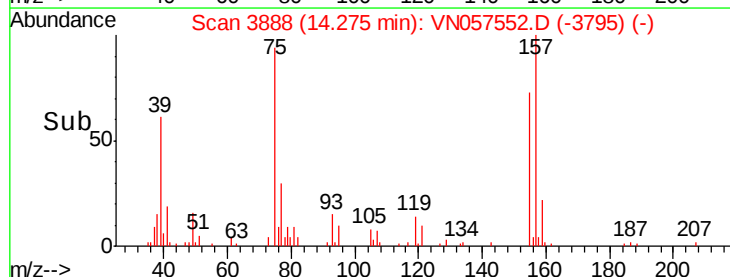
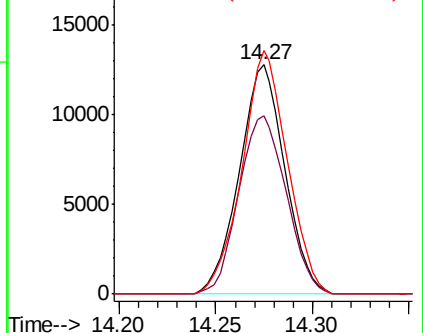
157 105.3 43.3 129.8

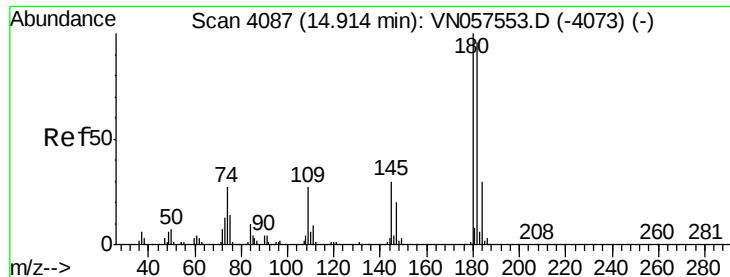


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

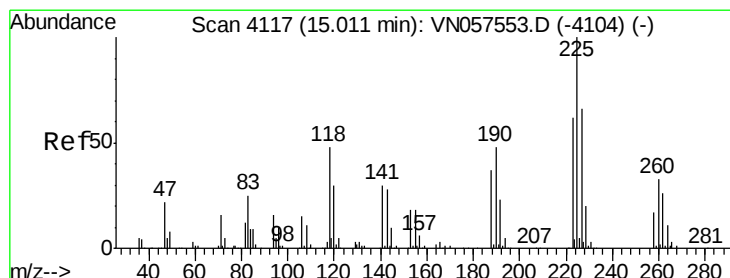
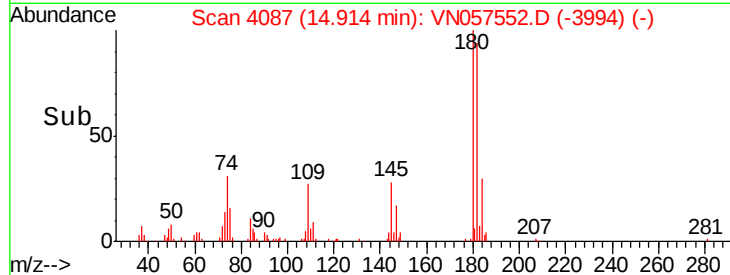
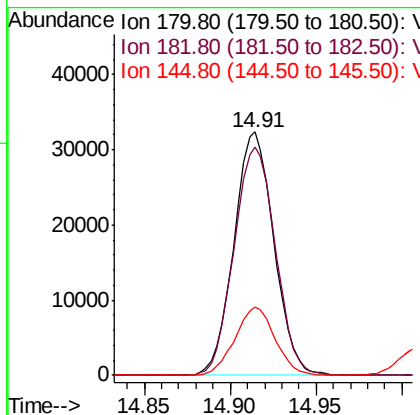
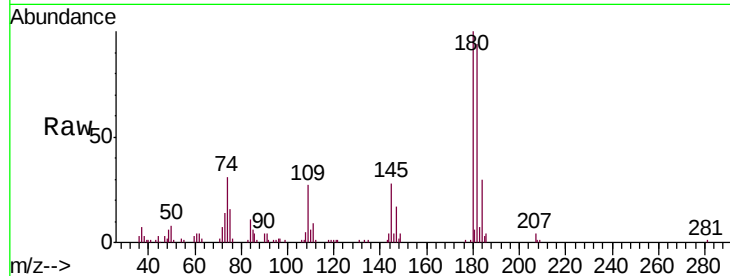




#93
 1,2,4-Trichlorobenzene
 Concen: 17.131 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

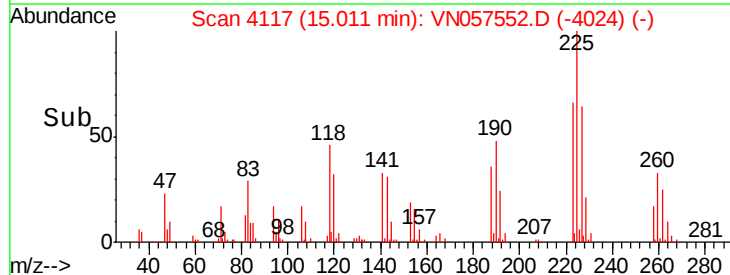
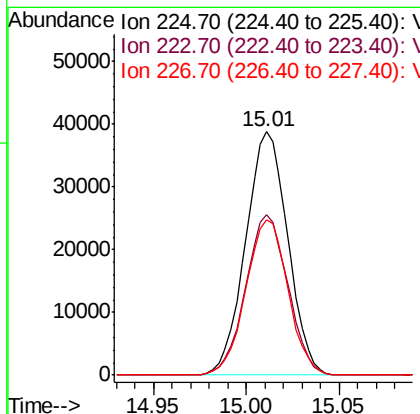
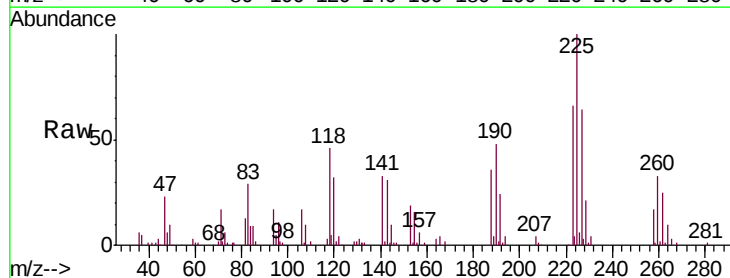
Instrument :
 MSVOA_N
 ClientSampled :

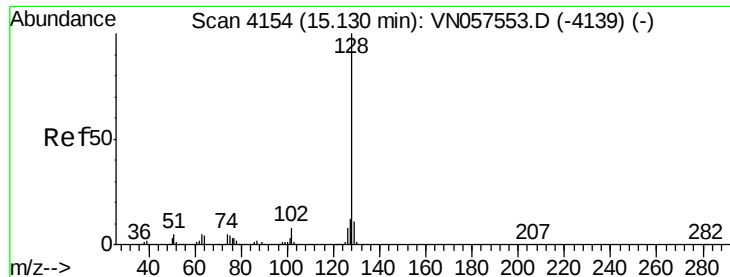
Tot Ion:180 Resp: 52140
 Ion Ratio Lower Upper
 180 100
 182 96.9 46.7 140.1
 145 28.1 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 23.538 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion:225 Resp: 61073
 Ion Ratio Lower Upper
 225 100
 223 66.1 32.0 96.2
 227 63.8 31.5 94.5

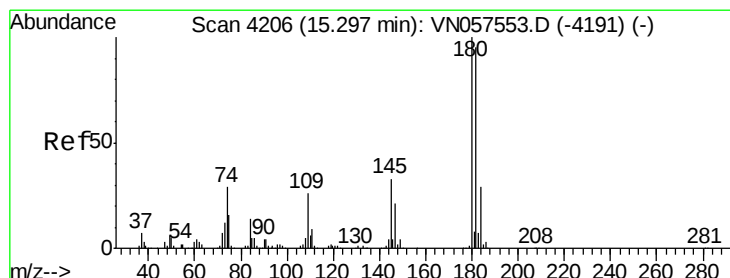
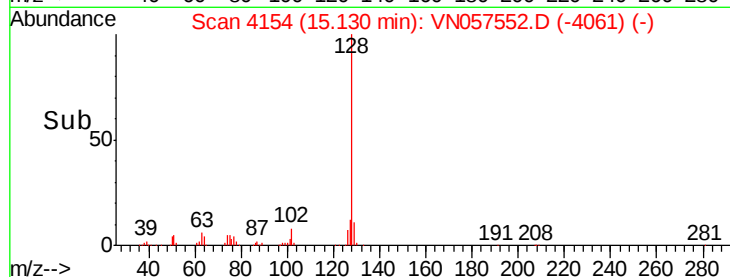
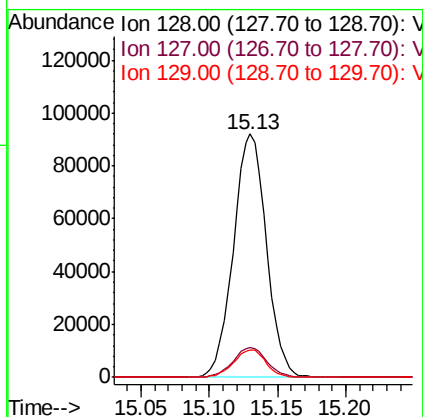
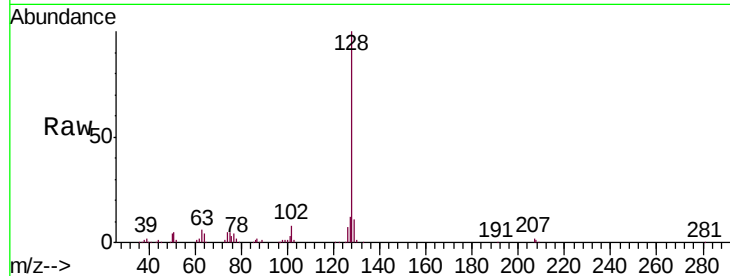




#95
Naphthalene
Concen: 15.646 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 154345
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 16.271 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion:180 Resp: 51310
Ion Ratio Lower Upper
180 100
182 97.6 46.7 140.1
145 31.1 16.8 50.3

