

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057561.D
 Acq On : 29 Aug 2019 20:27
 Operator : JC/SP
 Sample : VN0829WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 12:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	693224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260046	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	364575	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	7.58	113	296250	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	10.08	98	1167392	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.40	95	359412	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	98971	20.165	ug/l	100
3) Chloromethane	2.06	50	97143	19.823	ug/l	98
4) Vinyl Chloride	2.18	62	152656	21.116	ug/l	96
5) Bromomethane	2.55	94	134582	21.618	ug/l	100
6) Chloroethane	2.70	64	99900	20.610	ug/l	95
7) Trichlorofluoromethane	3.01	101	318135	21.186	ug/l	98
8) Diethyl Ether	3.40	74	99249	19.892	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182893	20.796	ug/l #	84
10) Methyl Iodide	3.93	142	294342	20.446	ug/l	95
11) Tert butyl alcohol	4.80	59	63588	90.191	ug/l	97
12) 1,1-Dichloroethene	3.72	96	175709	21.231	ug/l #	73
13) Acrolein	3.60	56	58786	97.378	ug/l	94
14) Allyl chloride	4.30	41	116869	19.292	ug/l #	84
15) Acrylonitrile	4.98	53	169287	96.976	ug/l	98
16) Acetone	3.81	43	253835	87.835	ug/l	95
17) Carbon Disulfide	4.03	76	204226	18.051	ug/l	97
18) Methyl Acetate	4.32	43	85506	19.975	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	293930	18.644	ug/l	94
20) Methylene Chloride	4.53	84	96212	17.972	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	96278	18.597	ug/l #	79
22) Diisopropyl ether	5.94	45	277101	20.405	ug/l #	94
23) Vinyl Acetate	5.88	43	1091234	102.833	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	173101	19.358	ug/l	99
25) 2-Butanone	6.83	43	218882	95.956	ug/l #	82
26) 2,2-Dichloropropane	6.80	77	156968	17.193	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	122500	19.538	ug/l	82
28) Bromochloromethane	7.18	49	83335	22.170	ug/l #	58
29) Tetrahydrofuran	7.20	42	144928	101.595	ug/l #	74
30) Chloroform	7.36	83	216573	19.517	ug/l	99
31) Cyclohexane	7.64	56	167133	20.126	ug/l #	82
32) 1,1,1-Trichloroethane	7.56	97	200087	20.284	ug/l	95
36) 1,1-Dichloropropene	7.78	75	149794	19.975	ug/l	95
37) Ethyl Acetate	6.92	43	101079	20.344	ug/l #	93
38) Carbon Tetrachloride	7.76	117	169214	19.296	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057561.D
 Acq On : 29 Aug 2019 20:27
 Operator : JC/SP
 Sample : VN0829WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 12:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	189182	19.828	ug/l #	86
40) Benzene	8.03	78	452144	19.688	ug/l	99
41) Methacrylonitrile	7.16	41	44244	20.236	ug/l #	82
42) 1,2-Dichloroethane	8.11	62	167539	20.497	ug/l	97
43) Isopropyl Acetate	8.16	43	185351	19.986	ug/l #	91
44) Trichloroethene	8.83	130	125364	19.768	ug/l	87
45) 1,2-Dichloropropane	9.11	63	107447	20.022	ug/l	99
46) Dibromomethane	9.20	93	83121	19.753	ug/l #	89
47) Bromodichloromethane	9.40	83	167581	19.316	ug/l	99
48) Methyl methacrylate	9.19	41	84120	19.205	ug/l #	79
49) 1,4-Dioxane	9.20	88	30069	376.183	ug/l #	79
51) 4-Methyl-2-Pentanone	9.98	43	503932	101.670	ug/l	88
52) Toluene	10.15	92	299605	20.137	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	159475	19.021	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	178183	19.622	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	113032	19.753	ug/l	94
56) Ethyl methacrylate	10.43	69	150137	19.712	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	180430	19.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	186035	104.107	ug/l #	85
59) 2-Hexanone	10.75	43	339443	99.193	ug/l	86
60) Dibromochloromethane	10.90	129	125198	19.181	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117468	19.617	ug/l	97
64) Tetrachloroethene	10.63	164	125474	19.358	ug/l	95
65) Chlorobenzene	11.43	112	316402	19.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	124198	19.880	ug/l	98
67) Ethyl Benzene	11.51	91	576649	20.729	ug/l	97
68) m/p-Xylenes	11.62	106	431162	40.694	ug/l	93
69) o-Xylene	11.95	106	206767	19.433	ug/l	97
70) Styrene	11.96	104	331650	20.651	ug/l	96
71) Bromoform	12.13	173	81446	19.530	ug/l #	98
73) Isopropylbenzene	12.25	105	567523	20.738	ug/l	97
74) N-amyl acetate	12.07	43	144178	24.097	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.51	83	136303	23.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	164491	33.288	ug/l #	100
77) Bromobenzene	12.53	156	128269	19.995	ug/l	73
78) n-propylbenzene	12.59	91	576833	20.983	ug/l	96
79) 2-Chlorotoluene	12.68	91	350102	20.446	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	473216	21.731	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	32654	18.881	ug/l	96
82) 4-Chlorotoluene	12.78	91	324164	20.404	ug/l	93
83) tert-Butylbenzene	12.99	119	411802	22.973	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	443999	22.293	ug/l	100
85) sec-Butylbenzene	13.17	105	508784	21.256	ug/l	98
86) p-Isopropyltoluene	13.29	119	436649	21.224	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	188303	20.211	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179202	20.058	ug/l	96
89) n-Butylbenzene	13.62	91	320672	20.576	ug/l	96
90) Hexachloroethane	13.88	117	80153	18.514	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	187575	21.572	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18600	19.068	ug/l	72

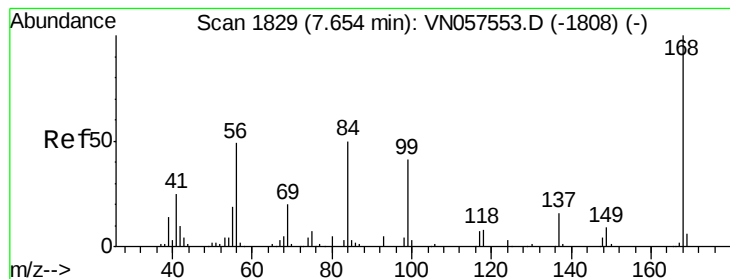
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
Data File : VN057561.D
Acq On : 29 Aug 2019 20:27
Operator : JC/SP
Sample : VN0829WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 30 12:09:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 08:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51859	17.075	ug/l	96
94) Hexachlorobutadiene	15.01	225	61860	21.586	ug/l	98
95) Naphthalene	15.13	128	150594	17.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	50083	17.042	ug/l	98

(#) = 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: VN057561.D

Acq: 29 Aug 2019 20:27

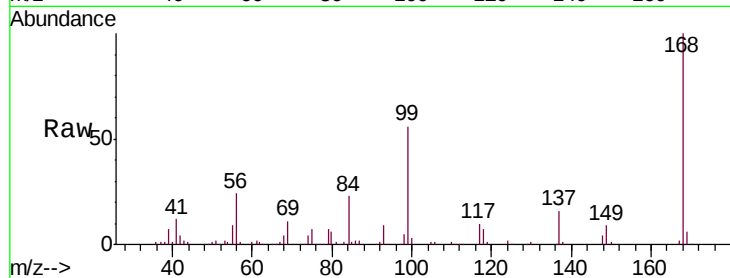
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 436799

Ion Ratio Lower Upper

168 100

99 55.6 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

150000

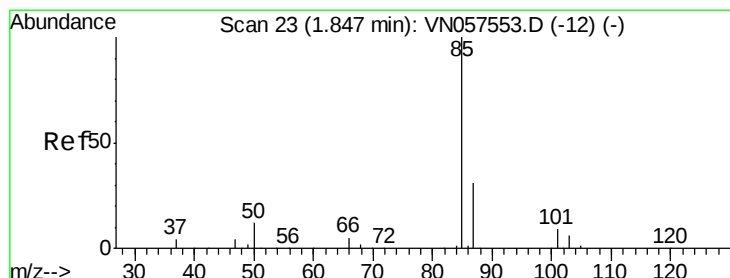
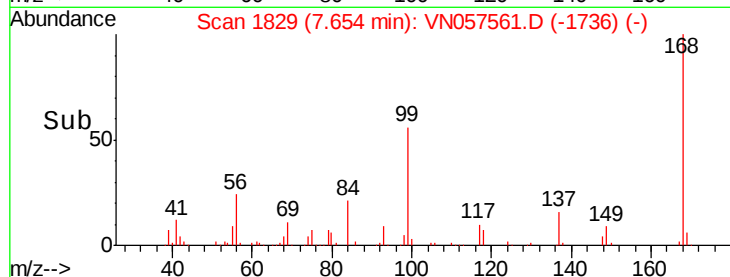
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.165 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057561.D

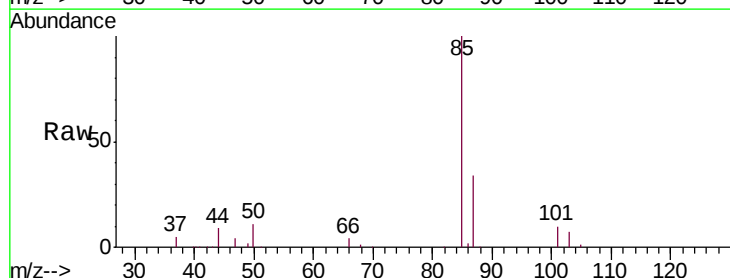
Acq: 29 Aug 2019 20:27

Tgt Ion: 85 Resp: 98971

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

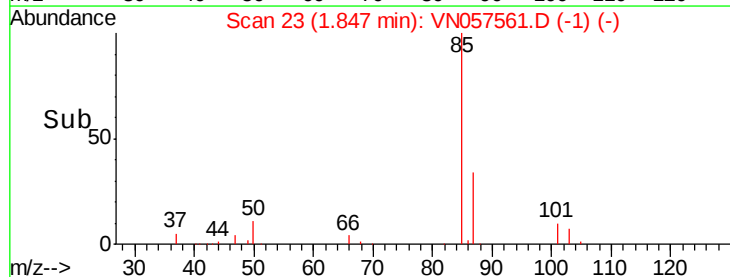
40000

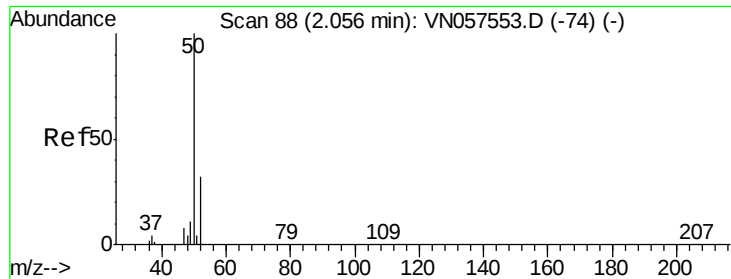
20000

0

1.80 1.85 1.90

Time-->

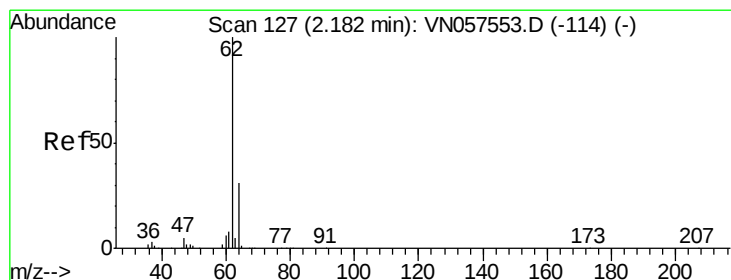
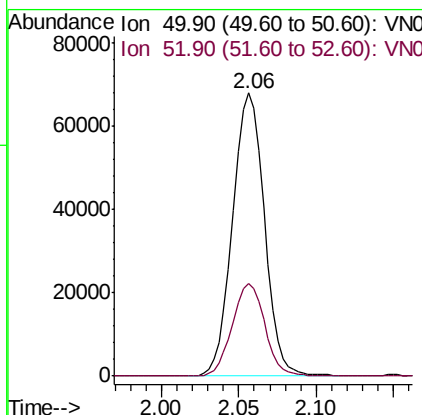
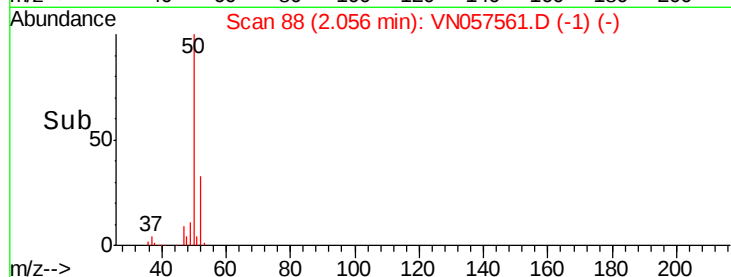
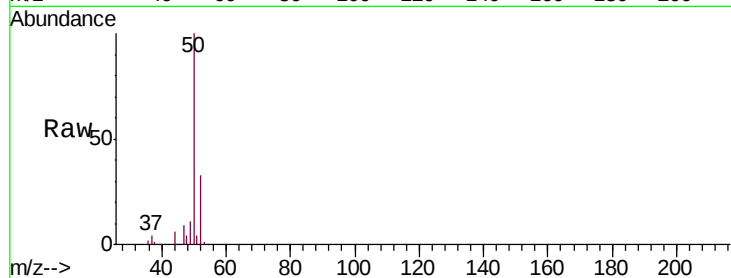




#3
Chloromethane
Concen: 19.823 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

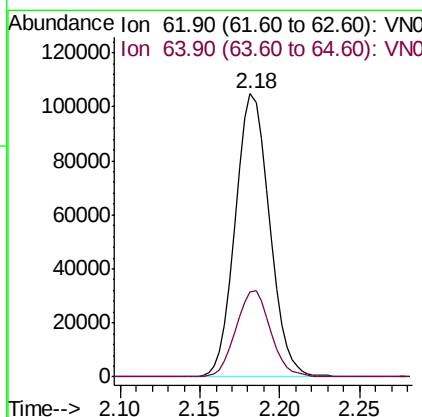
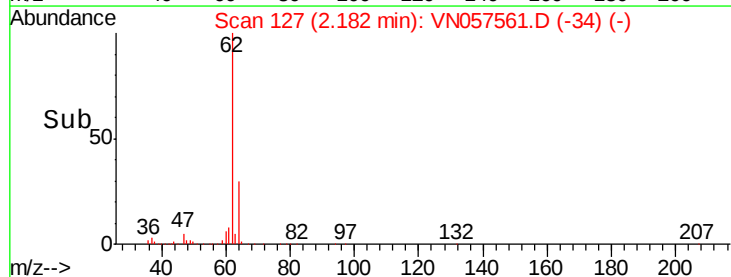
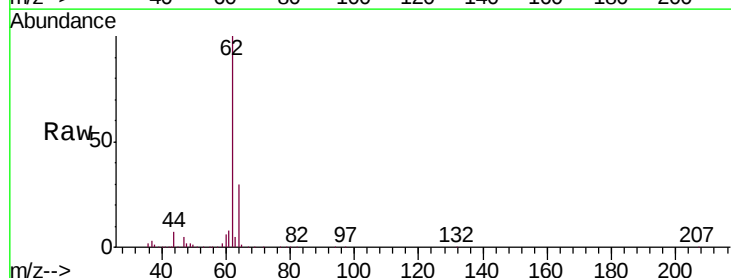
Instrument :
MSVOA_N
ClientSampleId :

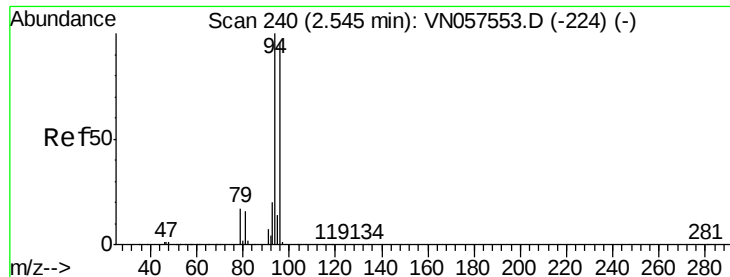
Tot Ion: 50 Resp: 97143
Ion Ratio Lower Upper
50 100
52 32.6 25.1 37.7



#4
Vinyl Chloride
Concen: 21.116 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 62 Resp: 152656
Ion Ratio Lower Upper
62 100
64 30.2 25.8 38.8





#5

Bromomethane

Concen: 21.618 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

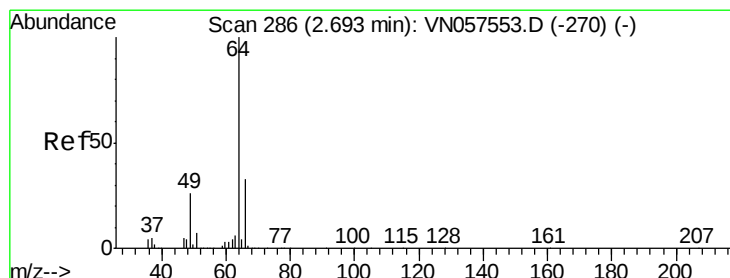
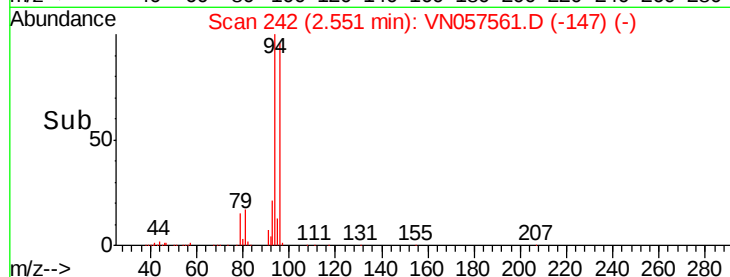
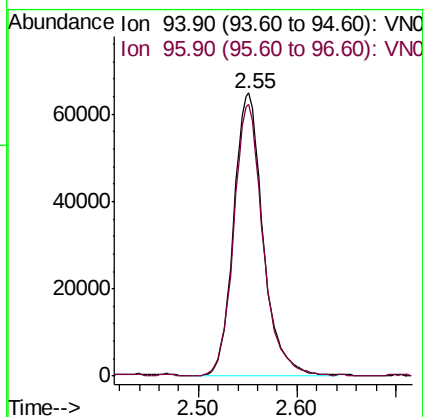
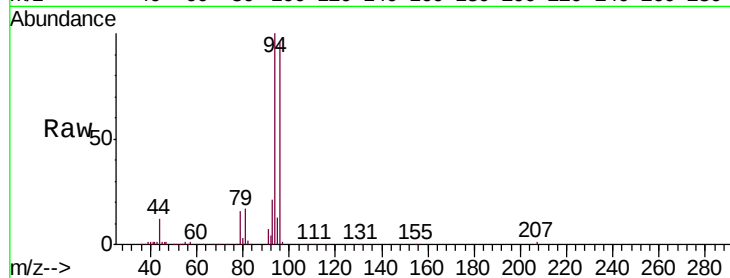
ClientSampleId :

Tot Ion: 94 Resp: 134582

Ion Ratio Lower Upper

94 100

96 95.8 76.2 114.4



#6

Chloroethane

Concen: 20.610 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057561.D

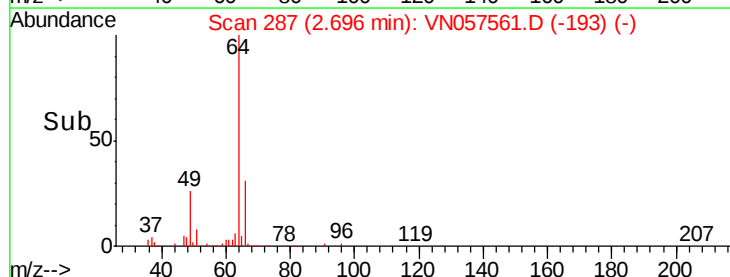
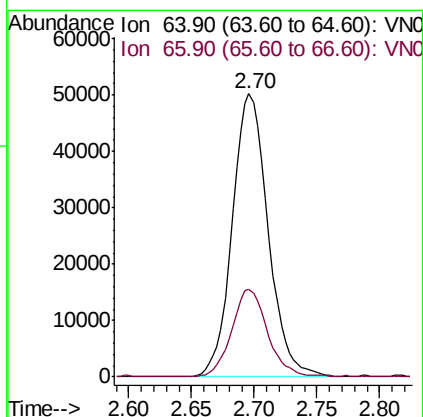
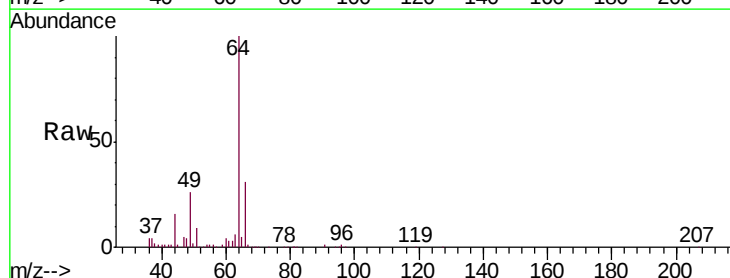
Acq: 29 Aug 2019 20:27

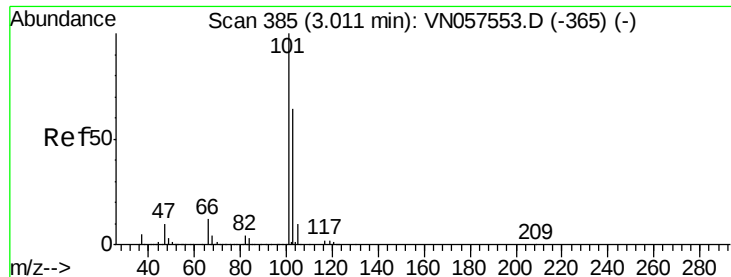
Tgt Ion: 64 Resp: 99900

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2



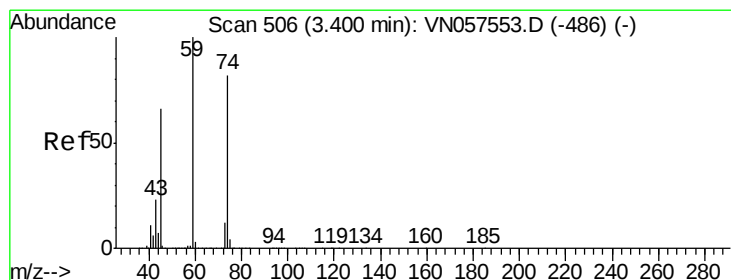
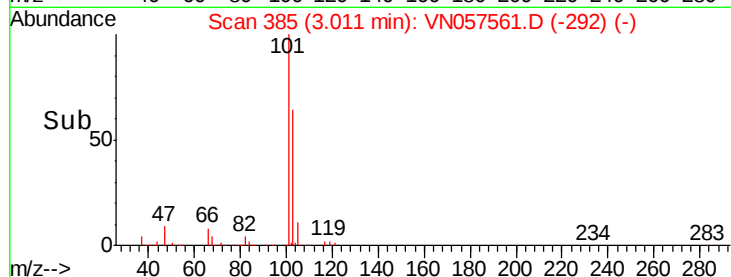
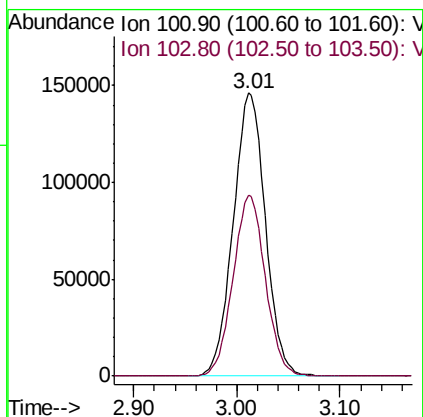
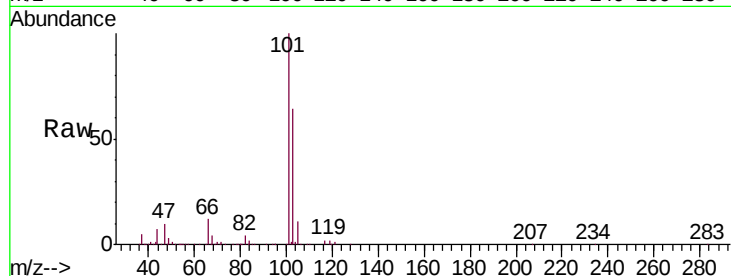


#7

Trichlorofluoromethane
Concen: 21.186 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :

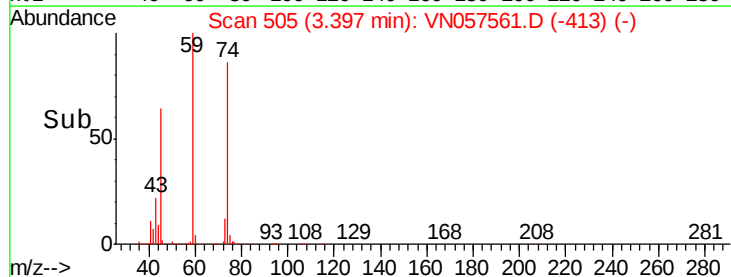
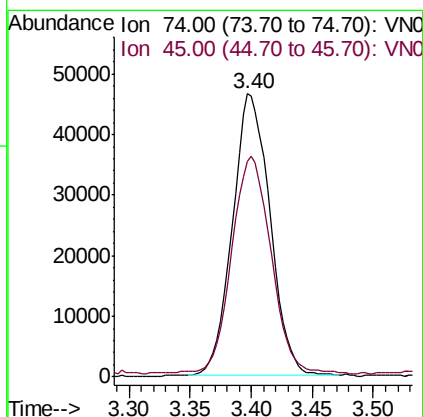
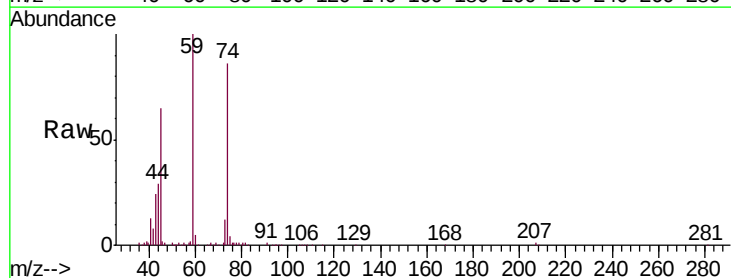
Tot Ion:101 Resp: 318135
Ion Ratio Lower Upper
101 100
103 63.8 52.6 78.8

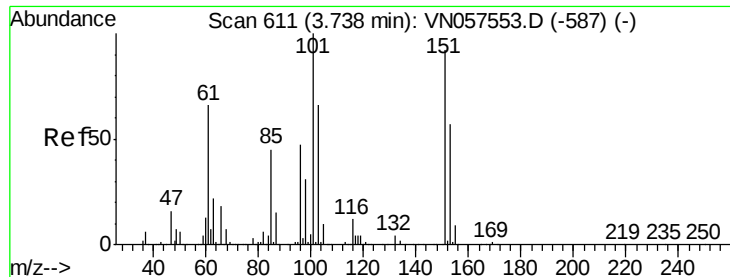


#8

Diethyl Ether
Concen: 19.892 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 74 Resp: 99249
Ion Ratio Lower Upper
74 100
45 81.5 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.796 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057561.D

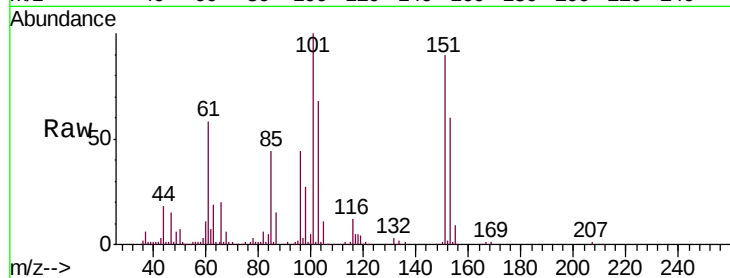
Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	40.0	60.0
151	87.9	57.0	85.6

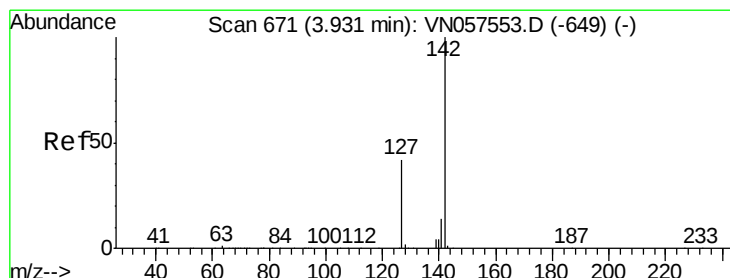
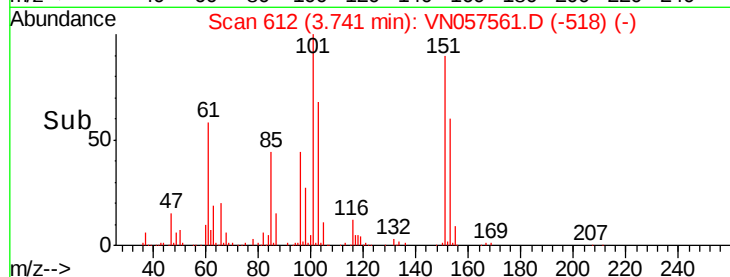
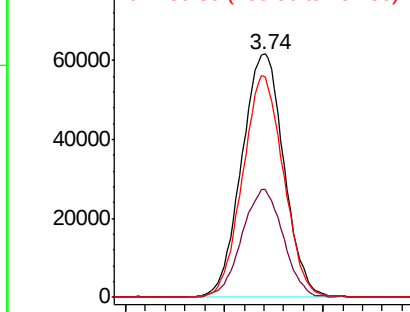


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.446 ug/l

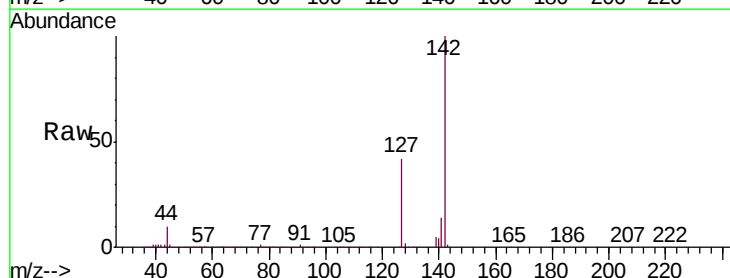
RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	37.8	56.8
141	13.8	11.9	17.9

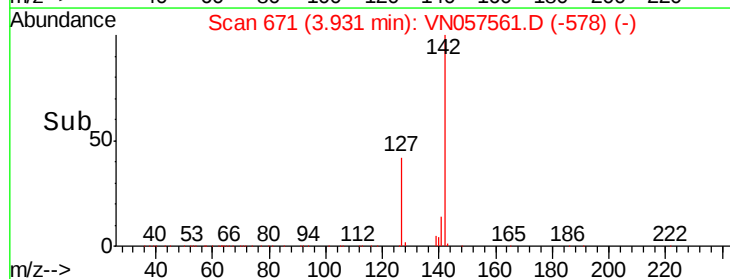
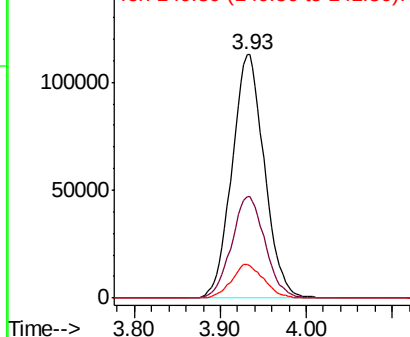


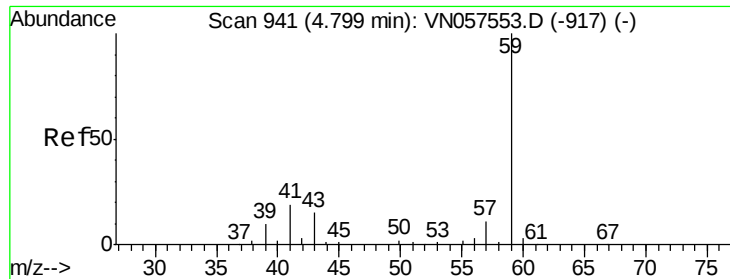
Abundance

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

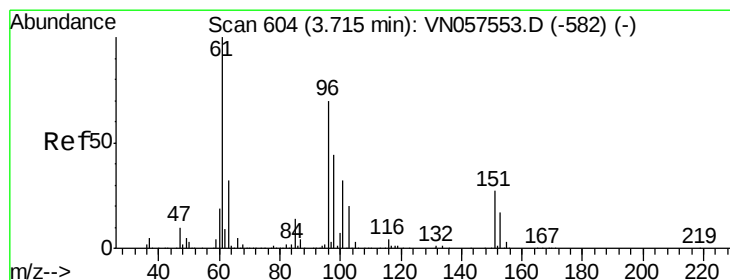
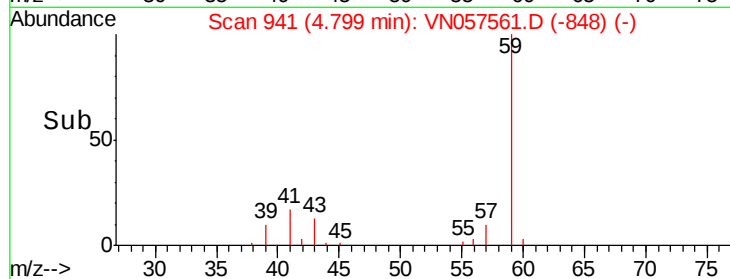
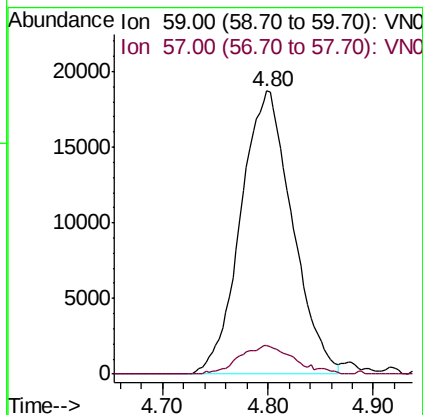
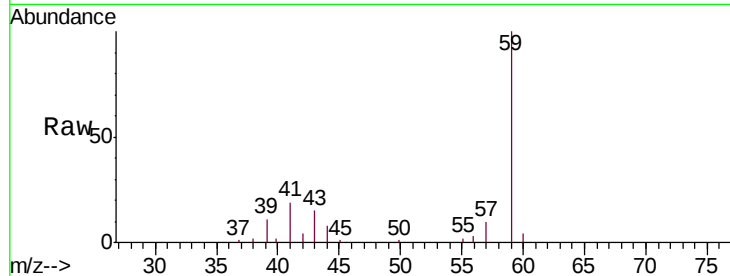




#11
Tert butyl alcohol
Concen: 90.191 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

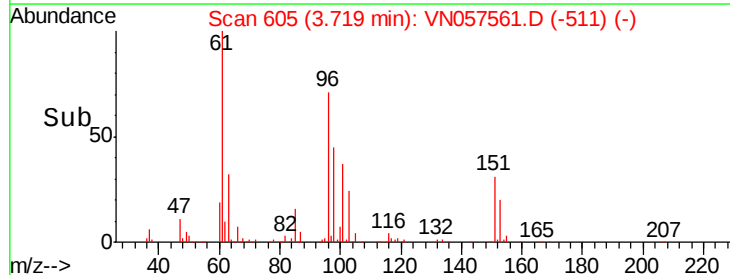
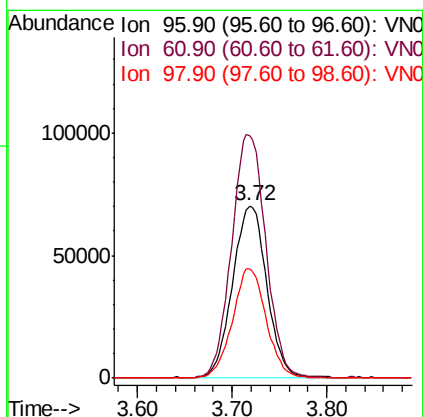
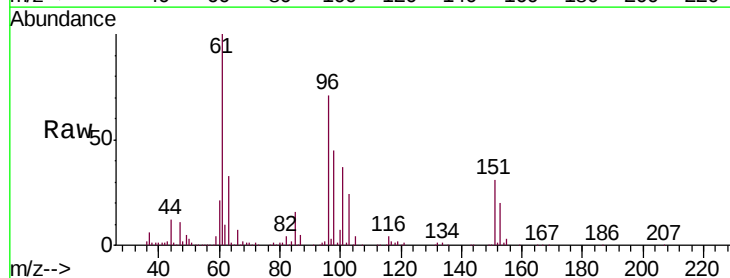
Instrument :
MSVOA_N
ClientSampled :

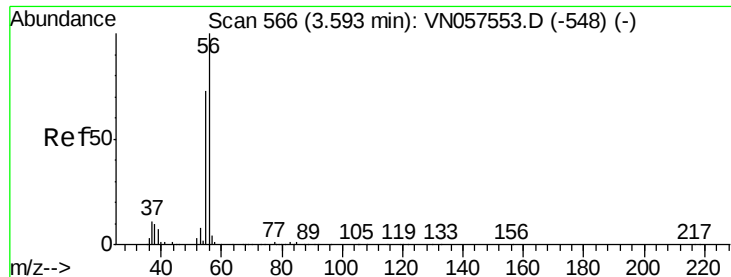
Tot Ion: 59 Resp: 63588
Ion Ratio Lower Upper
59 100
57 10.2 9.1 13.7



#12
1,1-Dichloroethene
Concen: 21.231 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 96 Resp: 175709
Ion Ratio Lower Upper
96 100
61 141.2 155.3 232.9#
98 63.9 50.2 75.2





#13

Acrolein

Concen: 97.378 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

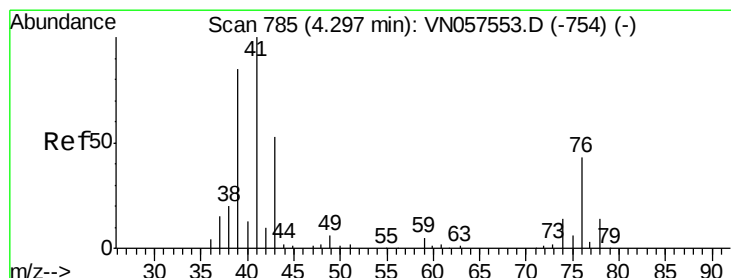
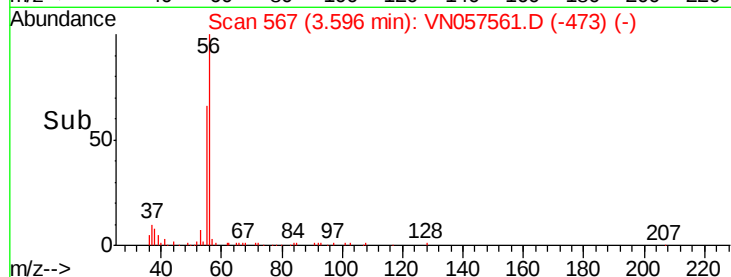
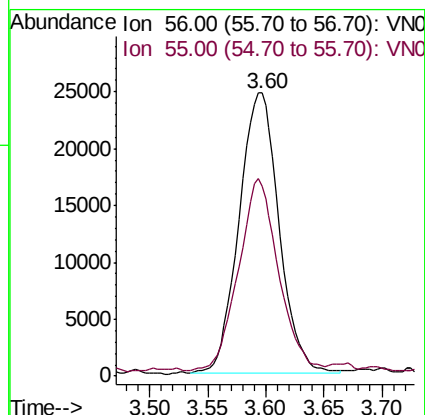
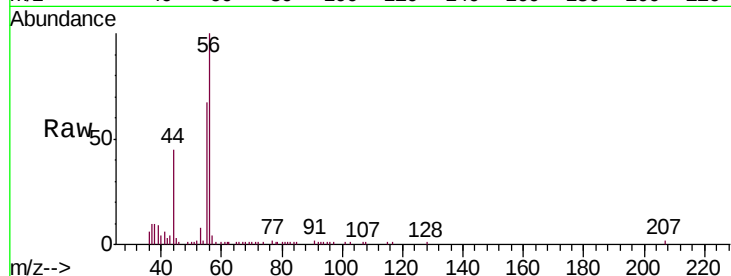
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 58786

Ion Ratio Lower Upper

56 100

55 68.8 59.0 88.4



#14

Allyl chloride

Concen: 19.292 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

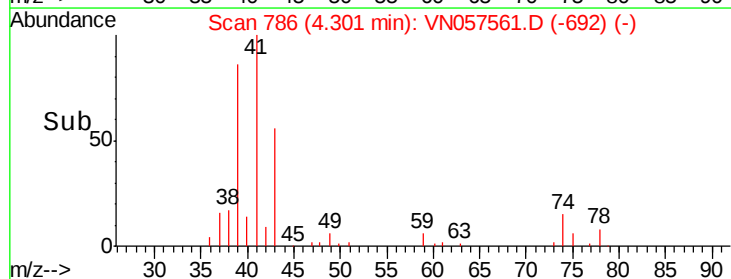
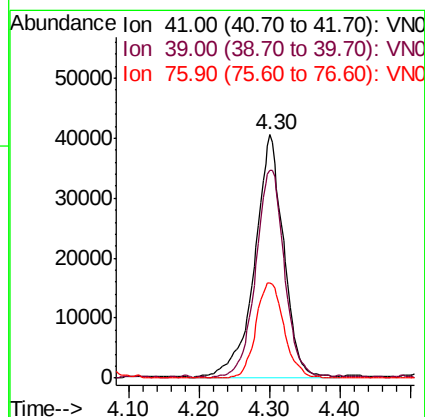
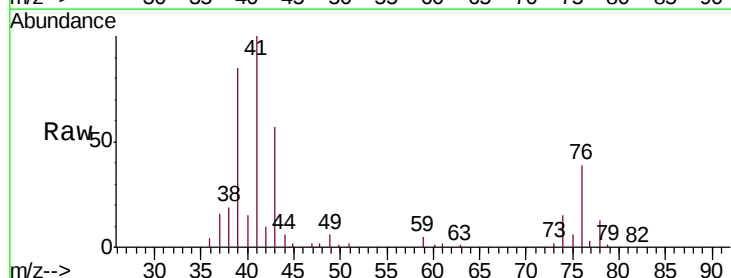
Tgt Ion: 41 Resp: 116869

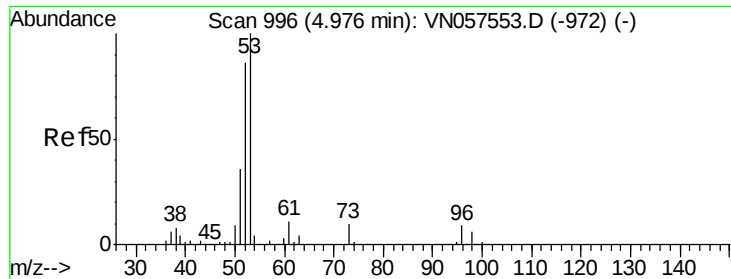
Ion Ratio Lower Upper

41 100

39 84.8 57.4 86.2

76 37.6 22.9 34.3#





#15

Acrylonitrile

Concen: 96.976 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

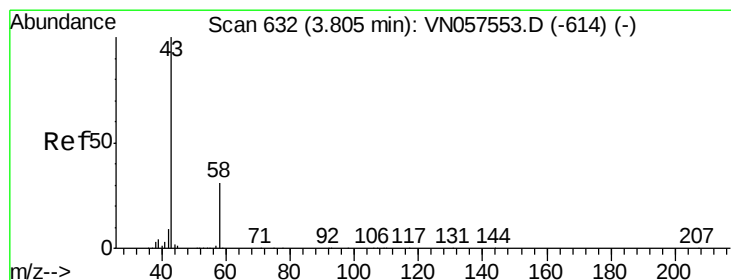
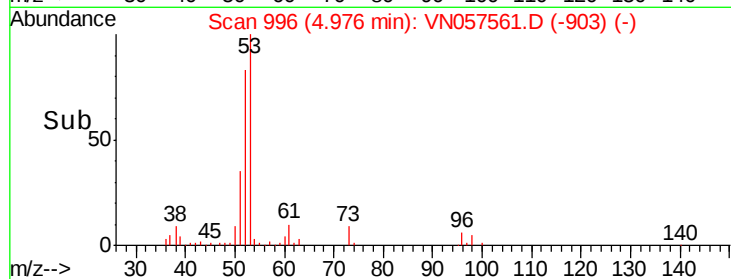
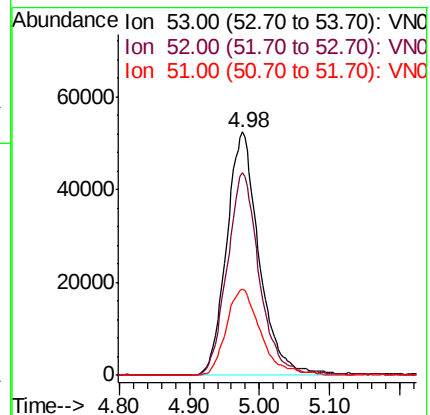
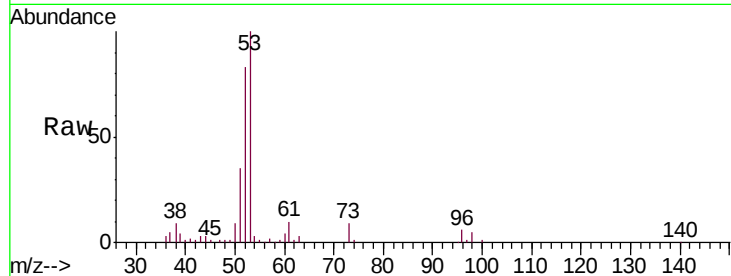
Tot Ion: 53 Resp: 169287

Ion Ratio Lower Upper

53 100

52 81.2 67.0 100.6

51 37.5 29.9 44.9



#16

Acetone

Concen: 87.835 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN057561.D

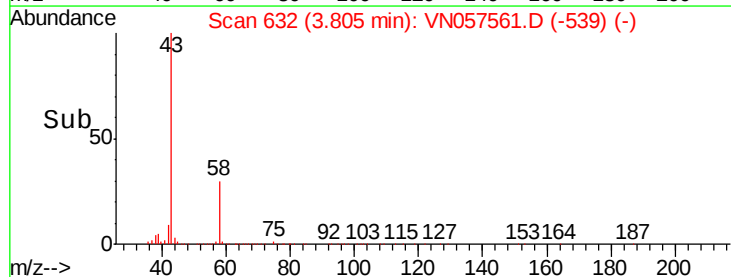
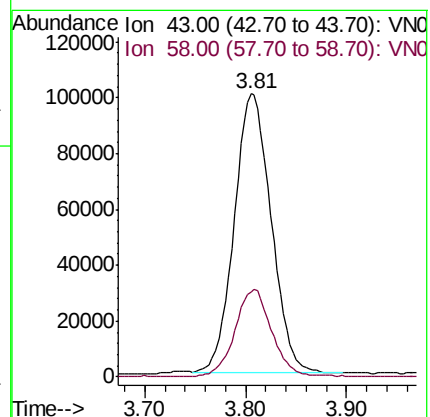
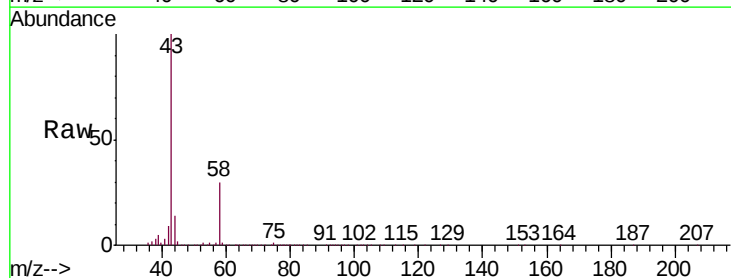
Acq: 29 Aug 2019 20:27

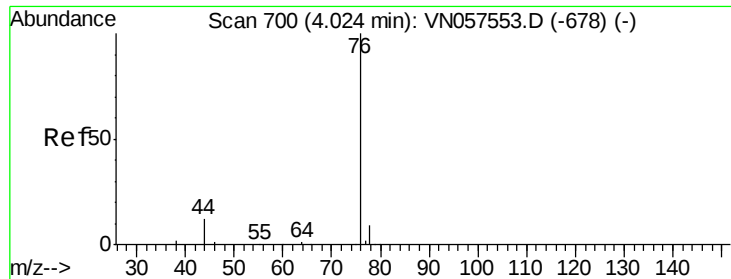
Tgt Ion: 43 Resp: 253835

Ion Ratio Lower Upper

43 100

58 30.2 22.1 33.1

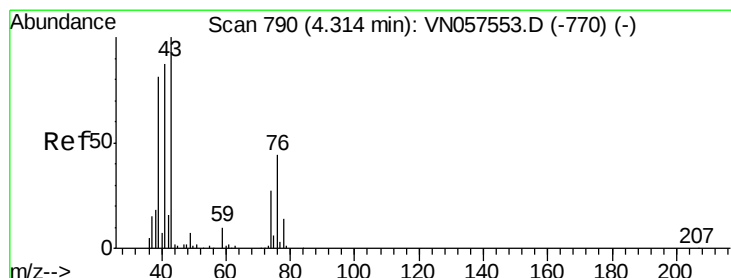
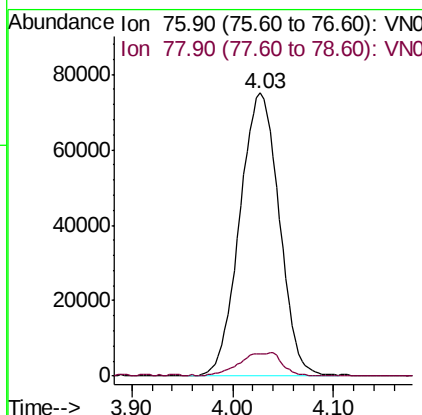
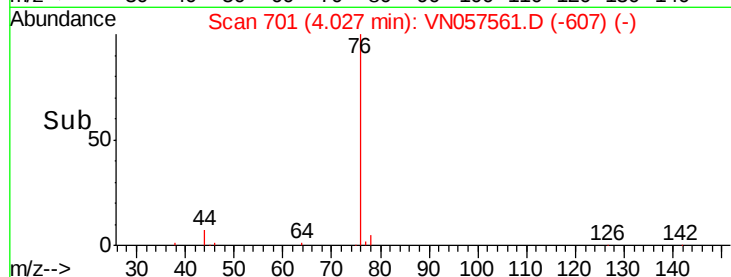
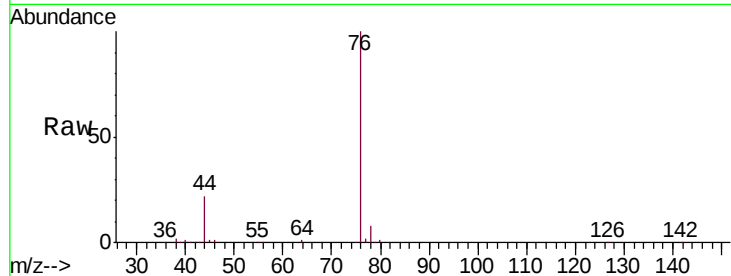




#17
Carbon Disulfide
Concen: 18.051 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

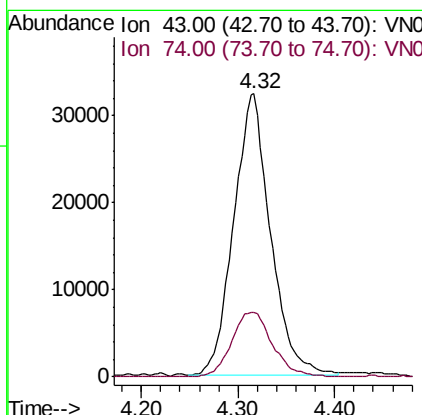
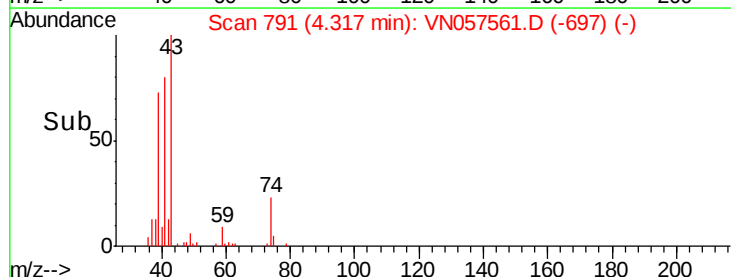
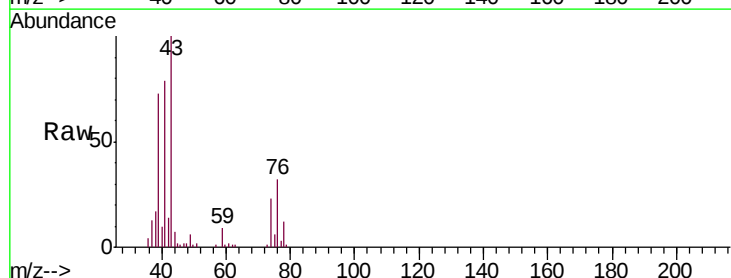
Instrument :
MSVOA_N
ClientSampleId :

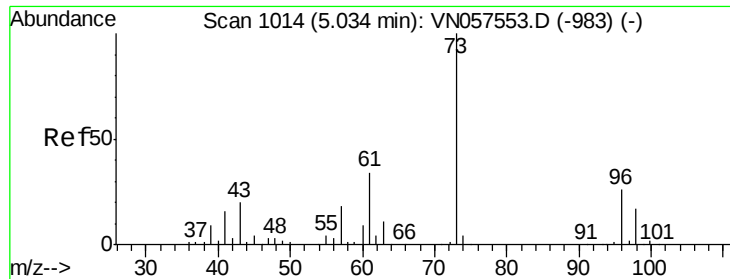
Tot Ion: 76 Resp: 204226
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7



#18
Methyl Acetate
Concen: 19.975 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 43 Resp: 85506
Ion Ratio Lower Upper
43 100
74 25.4 15.9 23.9#

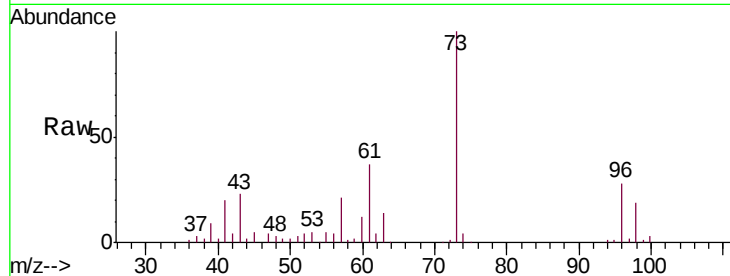




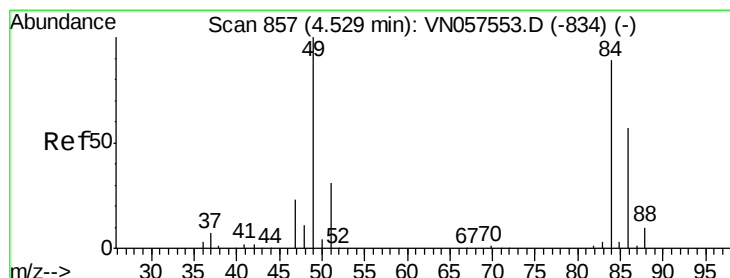
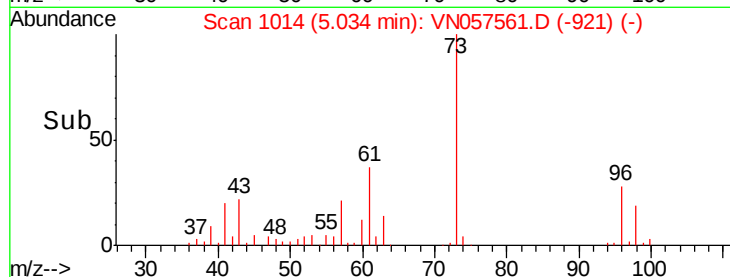
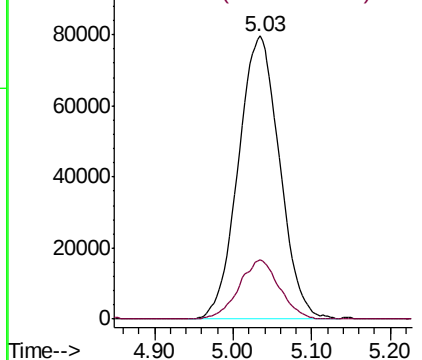
#19
Methvl tert-butvl Ether
Concen: 18.644 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 293930
Ion Ratio Lower Upper
73 100
57 20.8 19.1 28.7

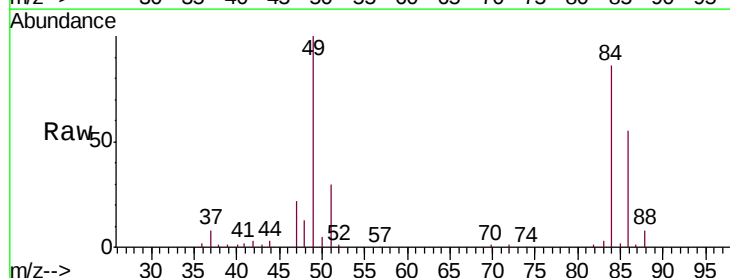


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

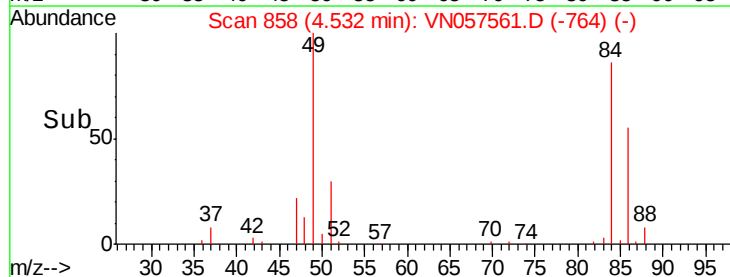
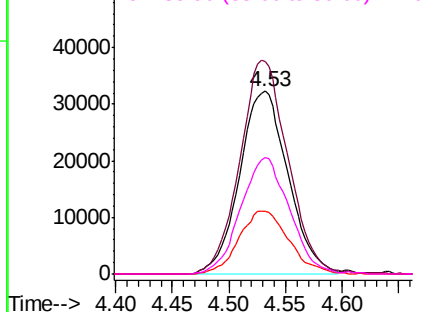


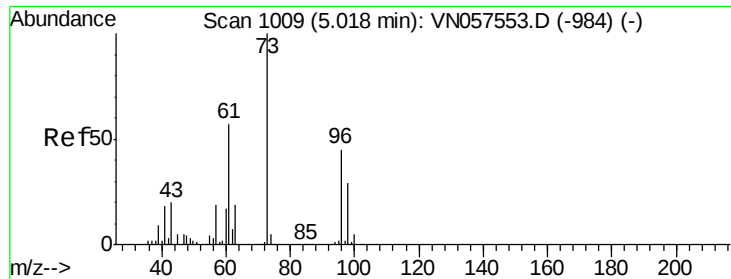
#20
Methylene Chloride
Concen: 17.972 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 84 Resp: 96212
Ion Ratio Lower Upper
84 100
49 116.4 117.0 175.4#
51 34.4 35.5 53.3#
86 63.9 49.8 74.8



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





#21

trans-1,2-Dichloroethene

Concen: 18.597 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

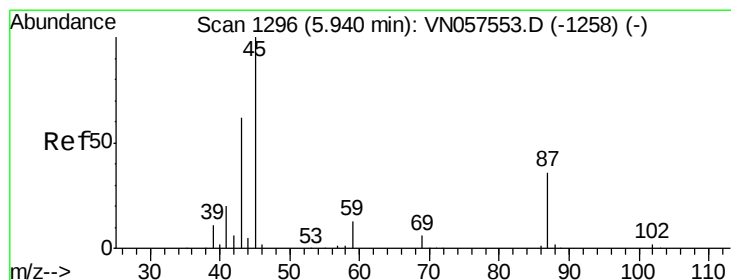
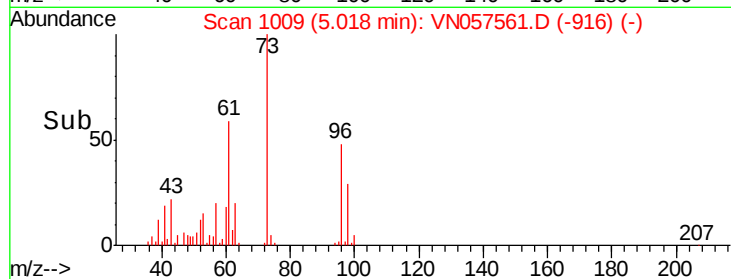
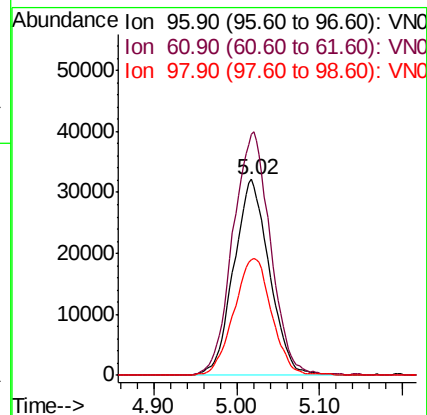
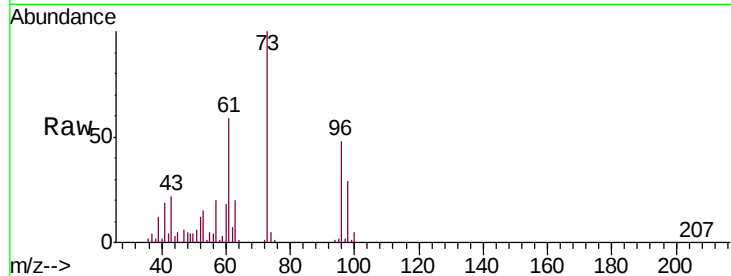
Tot Ion: 96 Resp: 96278

Ion Ratio Lower Upper

96 100

61 123.0 127.9 191.9#

98 59.2 50.6 76.0



#22

Diisopropyl ether

Concen: 20.405 ug/l

RT: 5.94 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion: 45 Resp: 277101

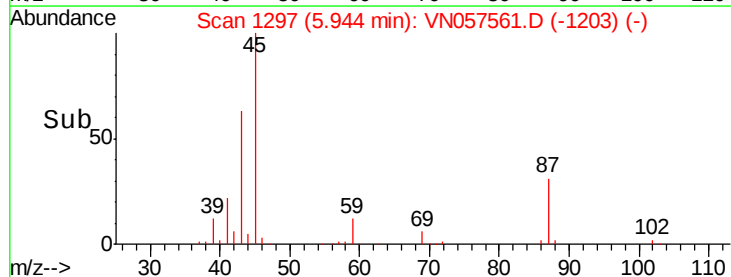
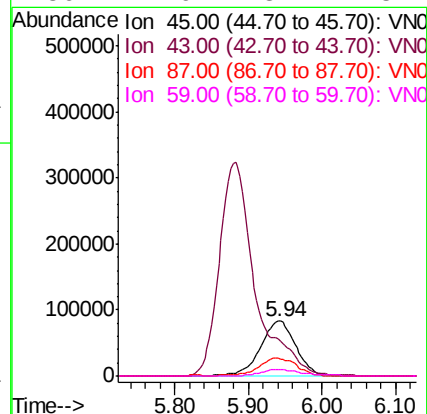
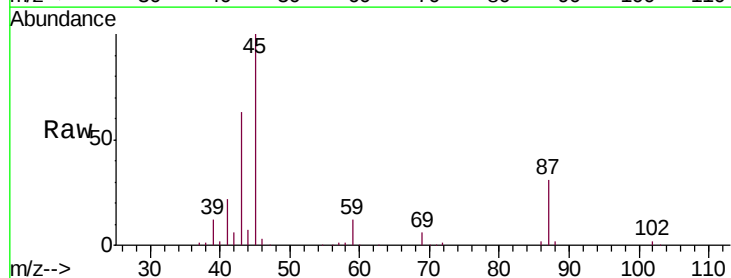
Ion Ratio Lower Upper

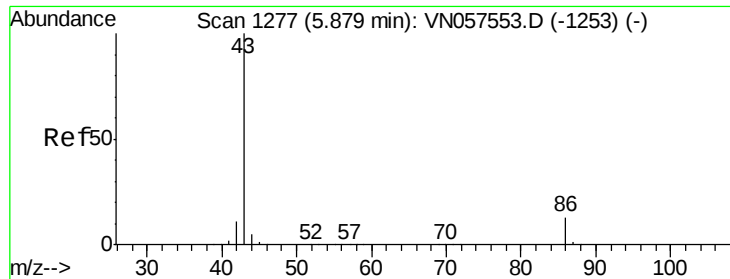
45 100

43 61.3 46.9 70.3

87 31.5 19.3 28.9#

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 102.833 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

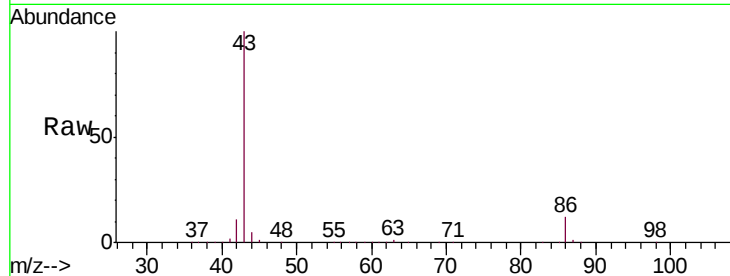
ClientSampleId :

Tot Ion: 43 Resp: 1091234

Ion Ratio Lower Upper

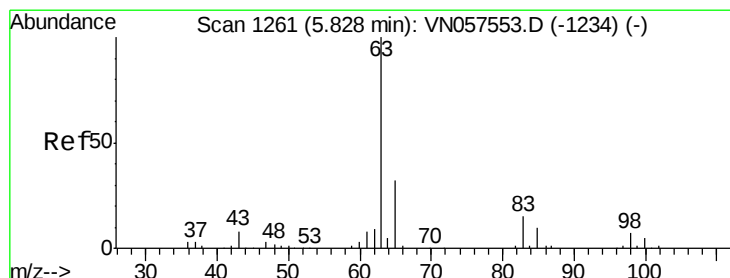
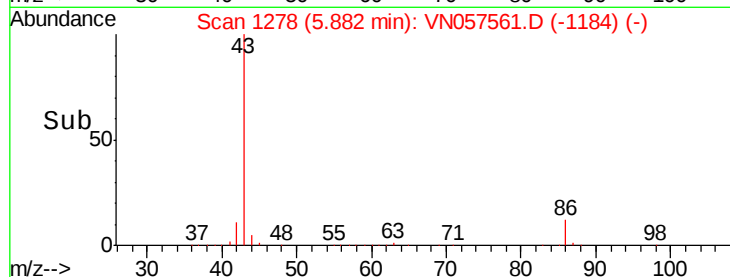
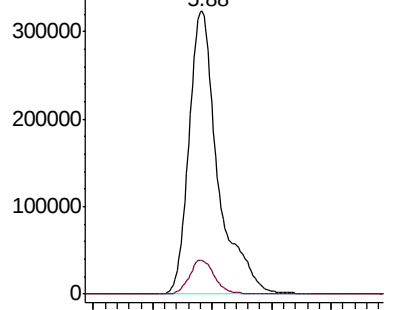
43 100

86 11.8 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN057553.D (-1253) (-)



#24

1,1-Dichloroethane

Concen: 19.358 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

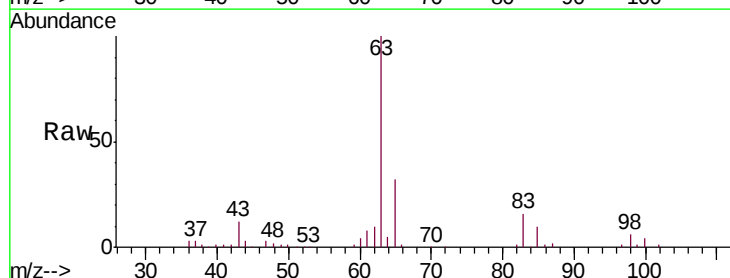
Tgt Ion: 63 Resp: 173101

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

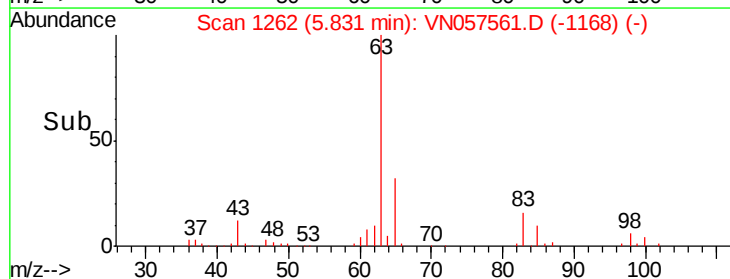
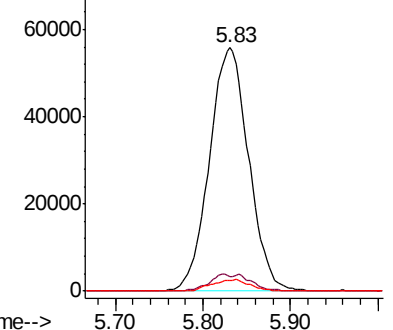
100 4.5 2.1 6.3

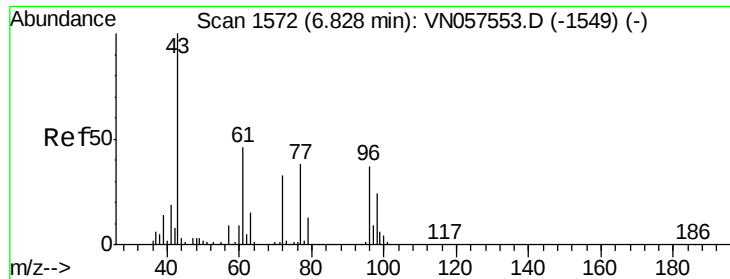


Abundance Ion 62.90 (62.60 to 63.60): VN057553.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057553.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057553.D (-1234) (-)

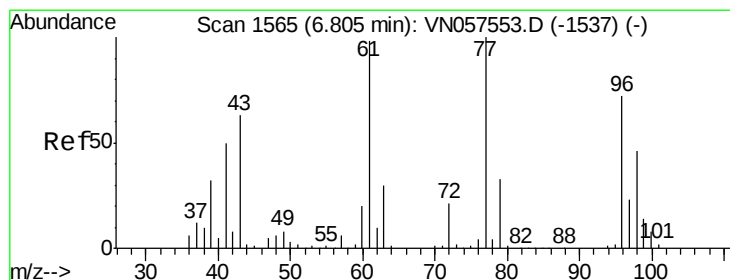
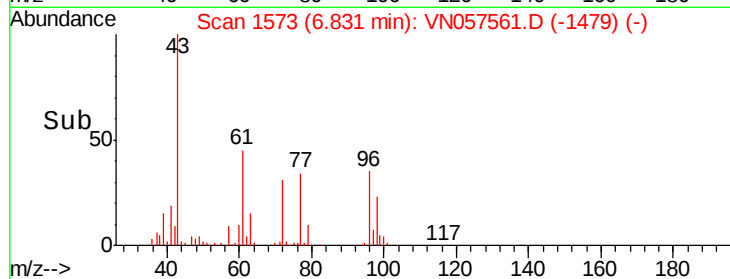
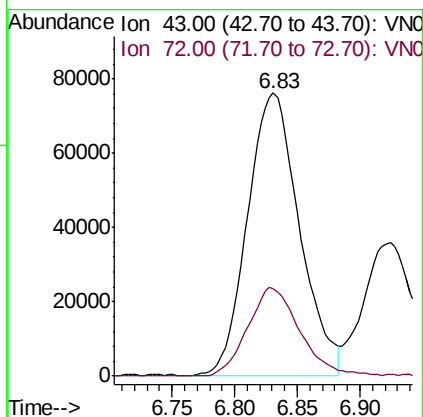
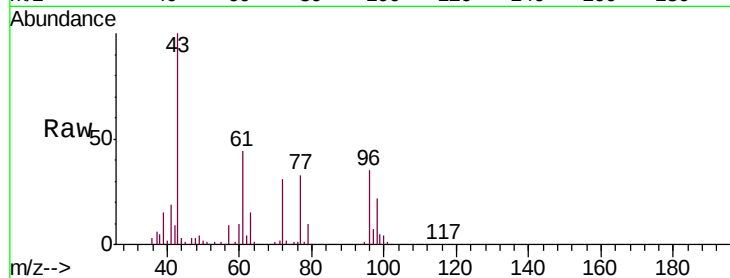




#25
2-Butanone
Concen: 95.956 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

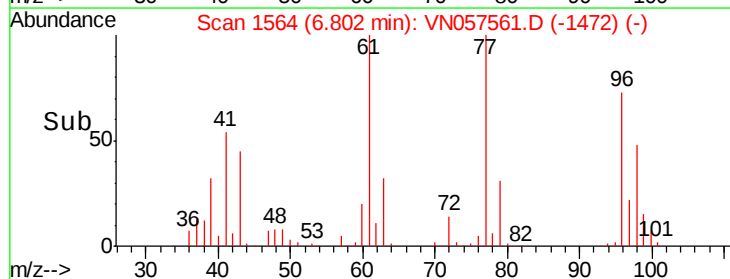
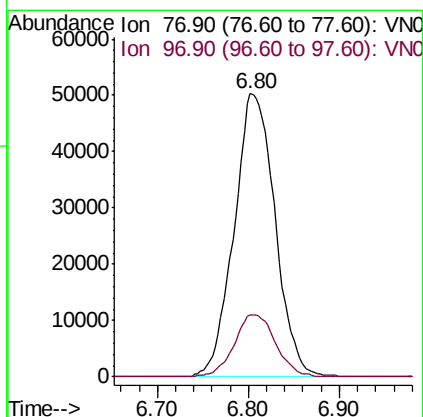
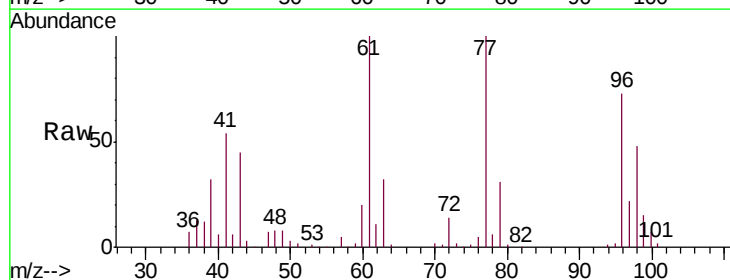
Instrument :
MSVOA_N
ClientSampled :

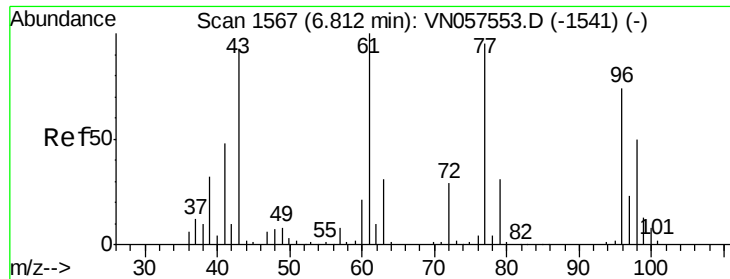
Tot Ion: 43 Resp: 218882
Ion Ratio Lower Upper
43 100
72 31.0 17.8 26.8#



#26
2,2-Dichloropropane
Concen: 17.193 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 77 Resp: 156968
Ion Ratio Lower Upper
77 100
97 22.3 10.8 32.3

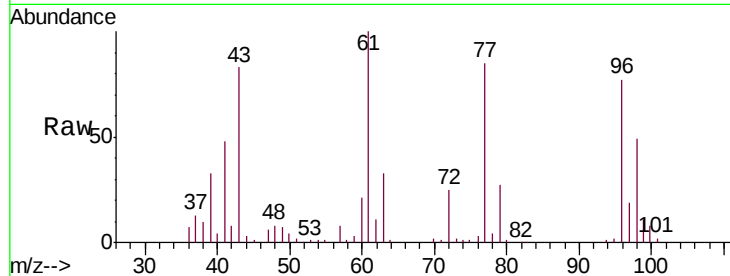




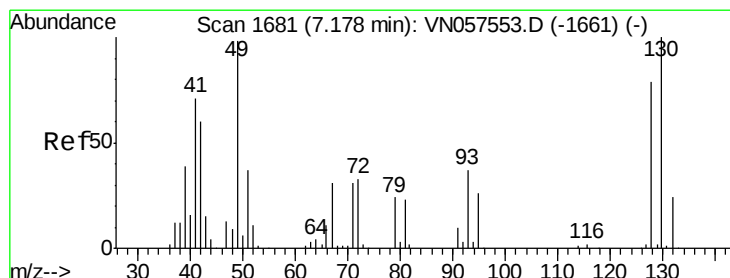
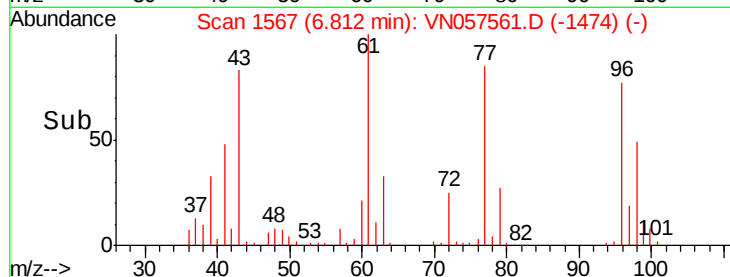
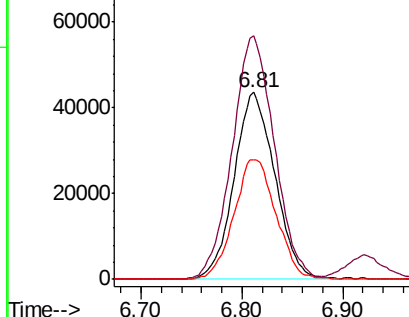
#27
 cis-1,2-Dichloroethene
 Concen: 19.538 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	334.8
98	66.2	0.0	127.4

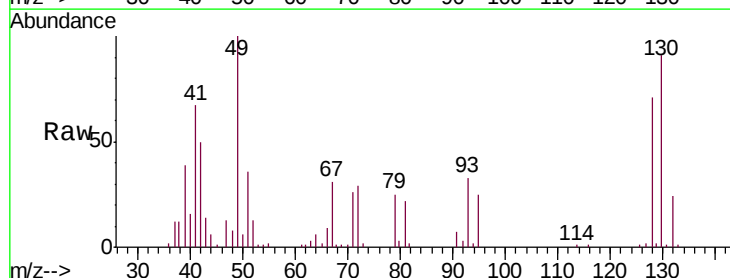


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

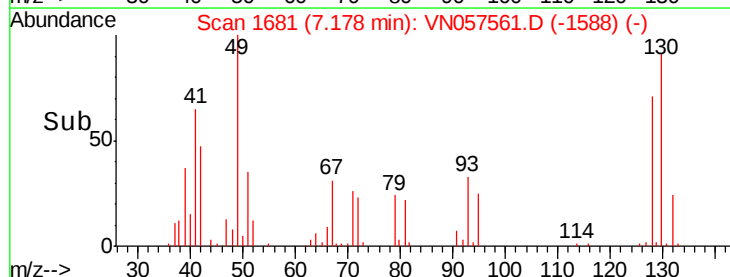
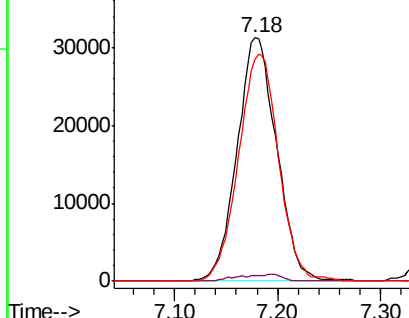


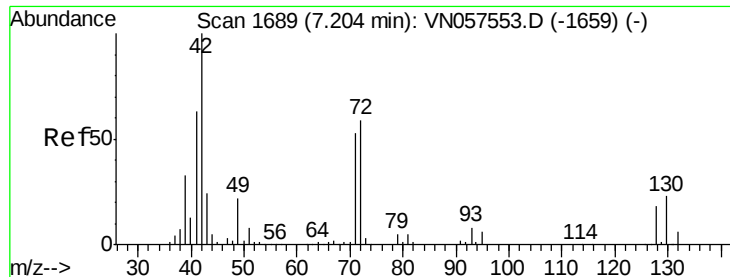
#28
 Bromochloromethane
 Concen: 22.170 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	93.5	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

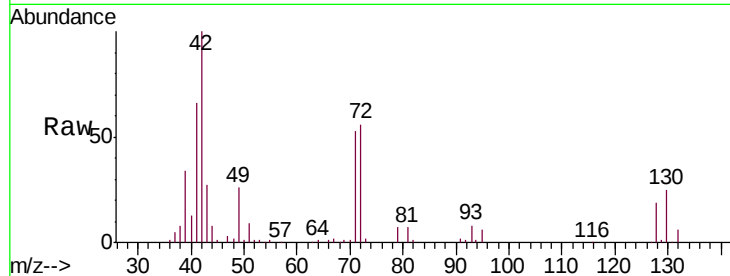




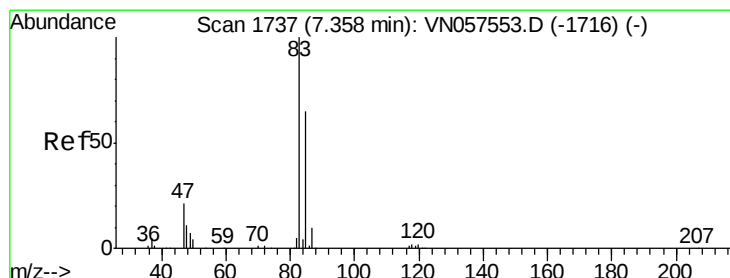
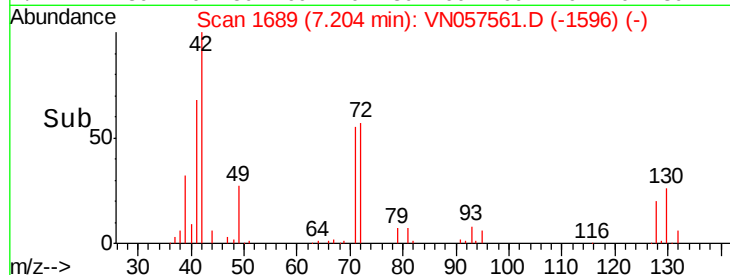
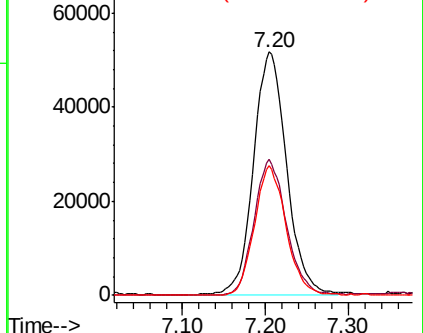
#29
Tetrahydrofuran
Concen: 101.595 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 144928
Ion Ratio Lower Upper
42 100
72 54.4 30.1 45.1#
71 50.5 28.8 43.2#

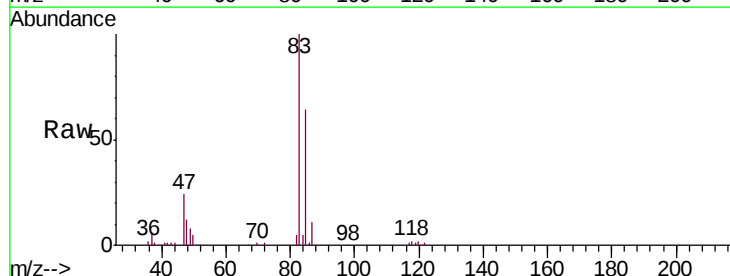


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

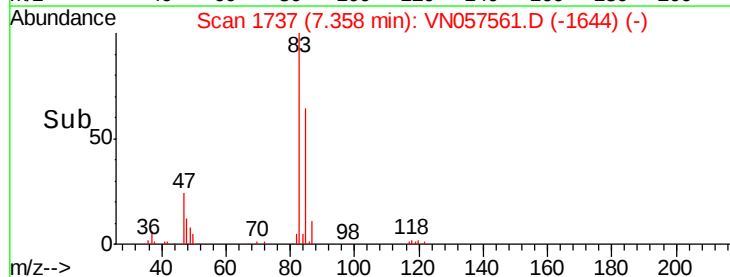
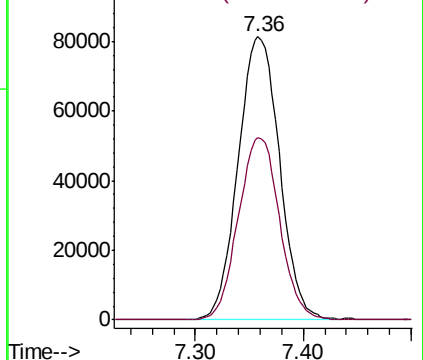


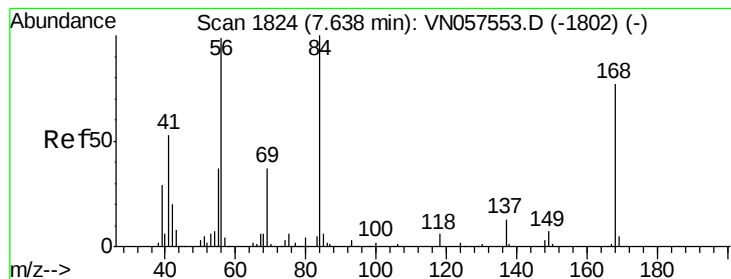
#30
Chloroform
Concen: 19.517 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 83 Resp: 216573
Ion Ratio Lower Upper
83 100
85 64.4 51.9 77.9



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





#31

Cyclohexane

Concen: 20.126 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

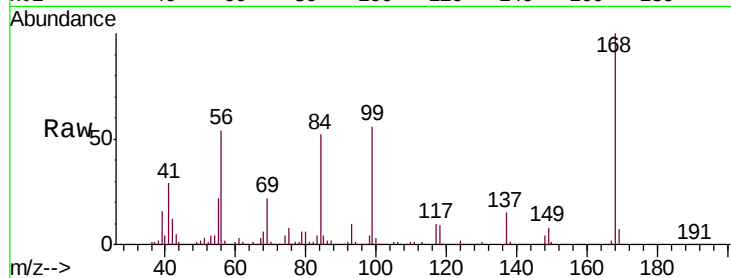
Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

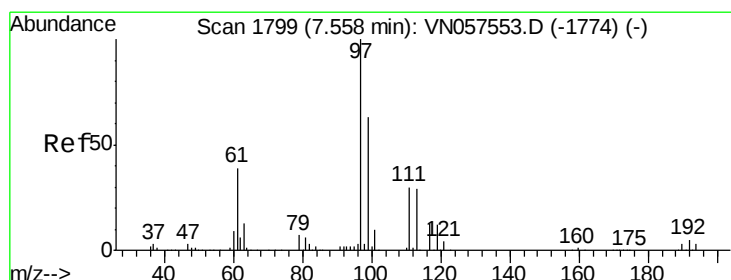
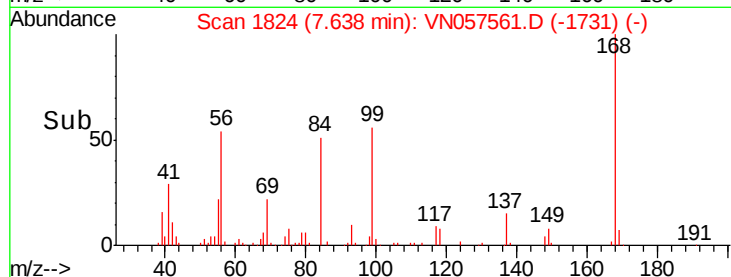
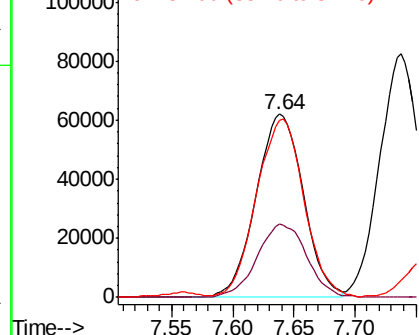
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 167133

Ion	Ratio	Lower	Upper
56	100		
69	39.7	25.0	37.6#
84	94.2	62.5	93.7#



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



#32

1,1,1-Trichloroethane

Concen: 20.284 ug/l

RT: 7.56 min Scan# 1799

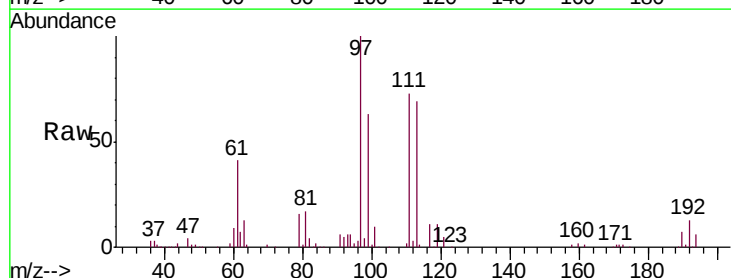
Delta R.T. -0.00 min

Lab File: VN057561.D

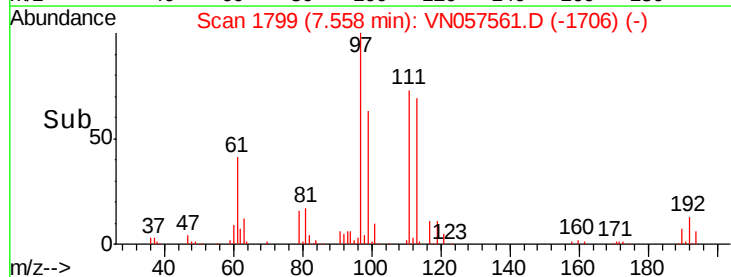
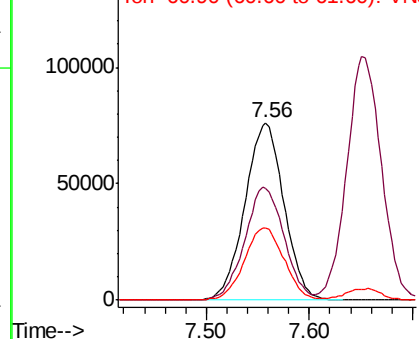
Acq: 29 Aug 2019 20:27

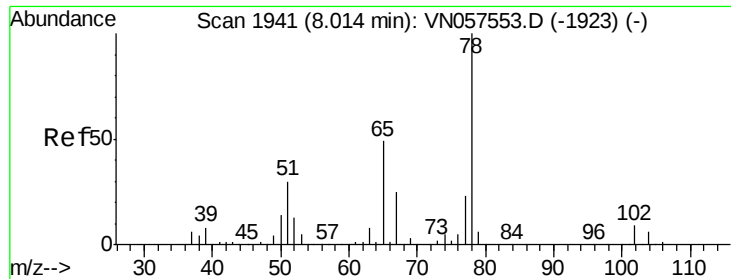
Tgt Ion: 97 Resp: 200087

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	41.8	39.8	59.6



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

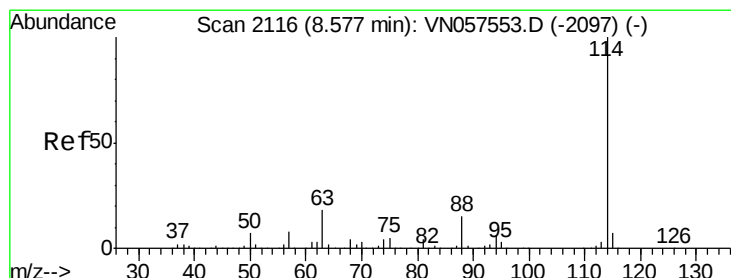
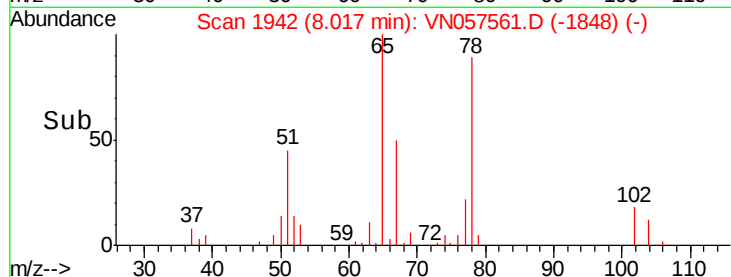
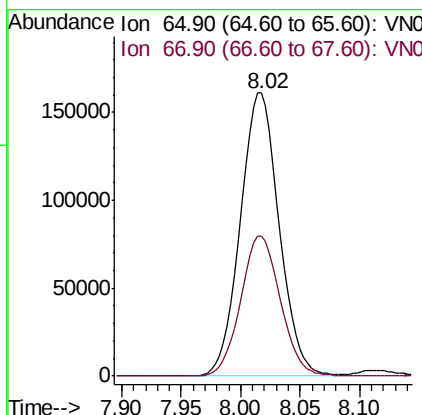
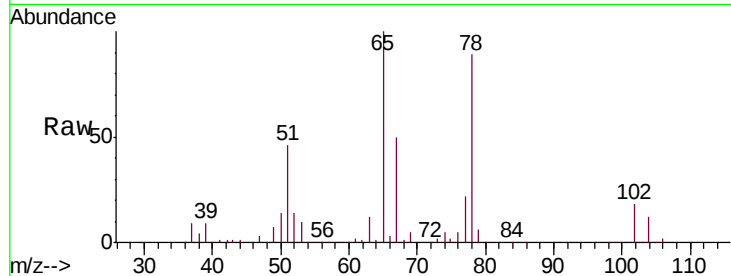




#33
 1,2-Dichloroethane-d4
 Concen: 53.078 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

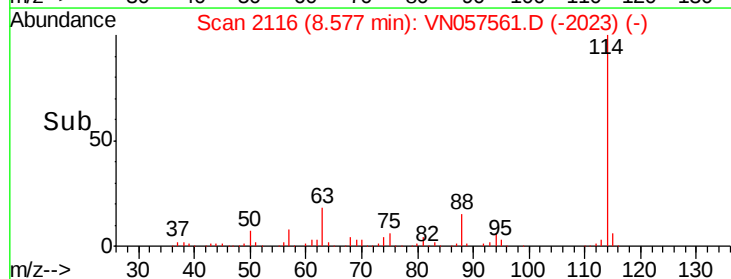
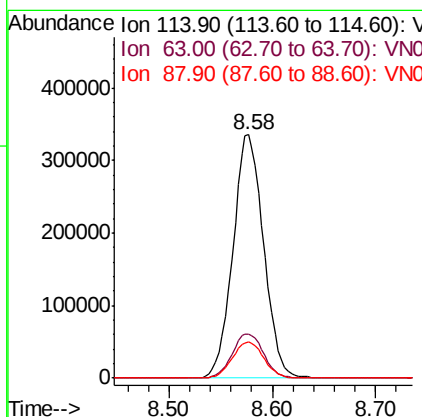
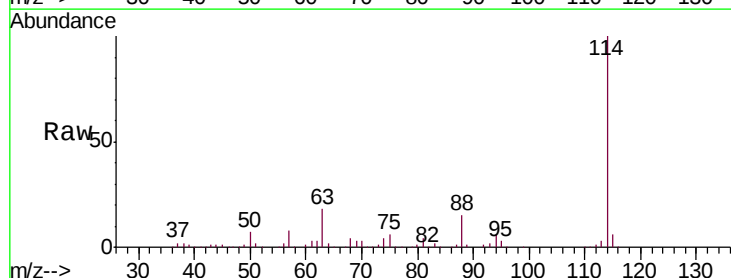
Instrument :
 MSVOA_N
 ClientSampleId :

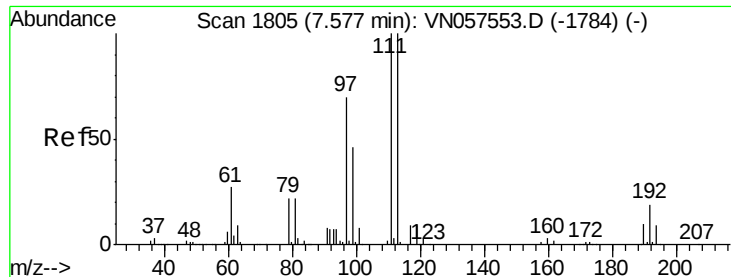
Tot Ion: 65 Resp: 364575
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion: 114 Resp: 693224
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 50.2
 88 14.8 0.0 34.6





#35

Dibromofluoromethane

Concen: 49.231 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :

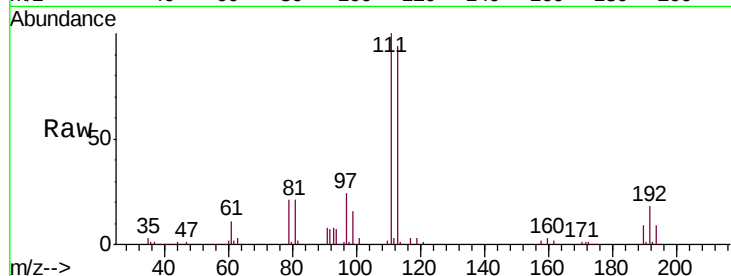
Tot Ion:113 Resp: 296250

Ion Ratio Lower Upper

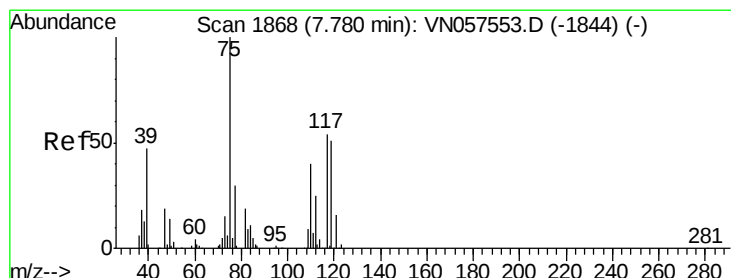
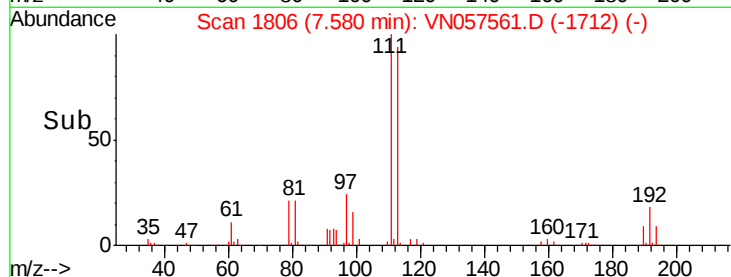
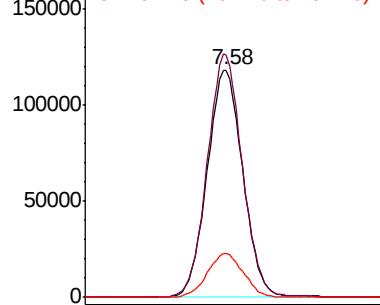
113 100

111 105.1 83.8 125.6

192 19.5 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: 19.975 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

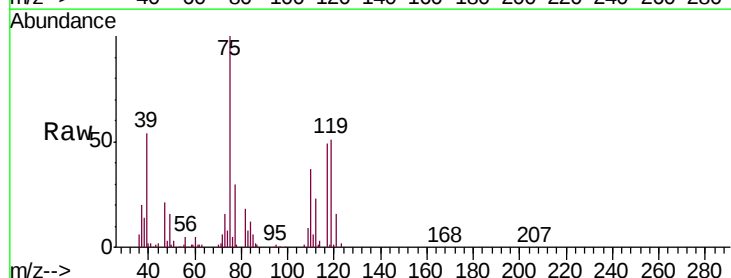
Tgt Ion: 75 Resp: 149794

Ion Ratio Lower Upper

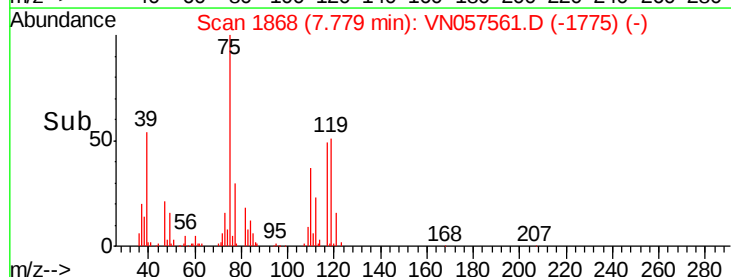
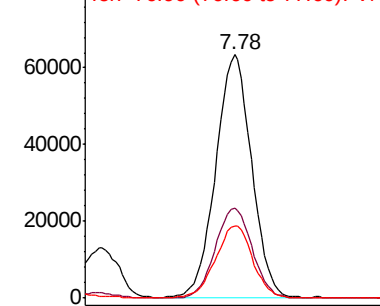
75 100

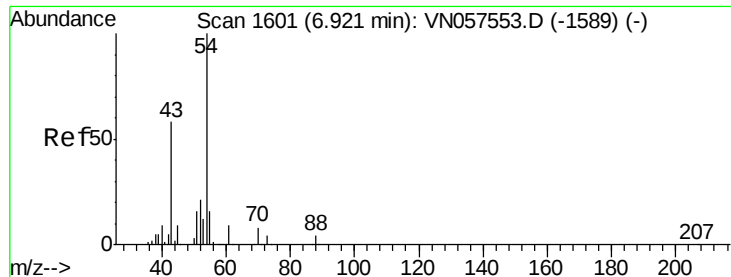
110 37.9 16.1 48.3

77 30.9 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

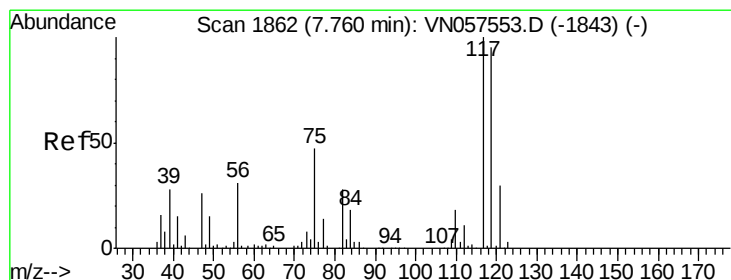
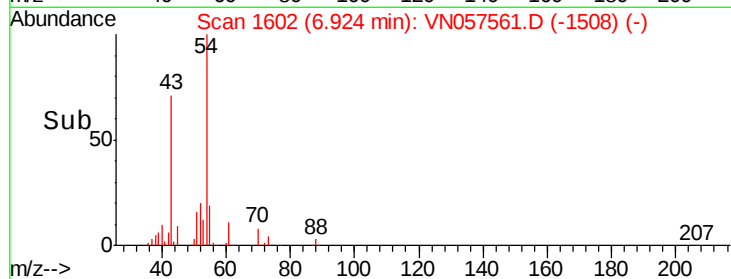
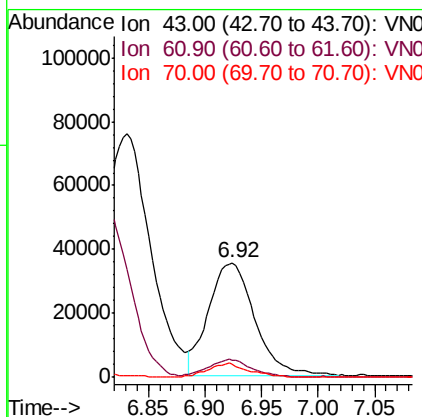
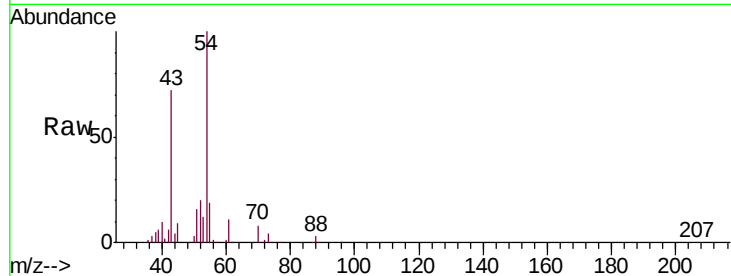




#37
Ethyl Acetate
Concen: 20.344 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

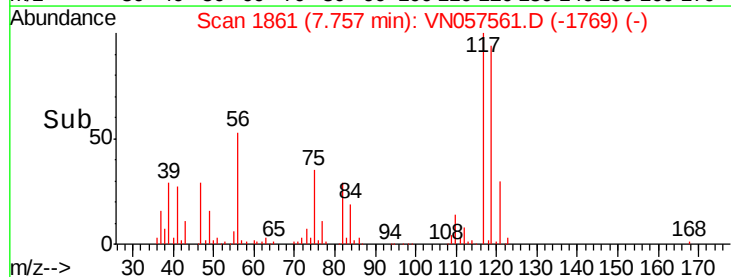
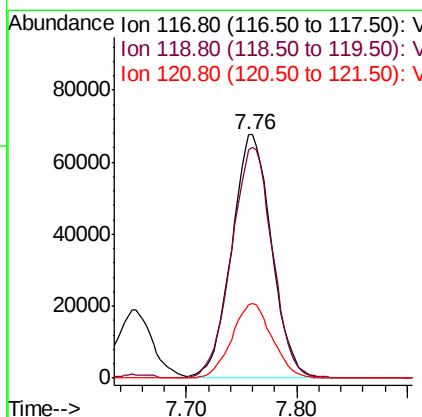
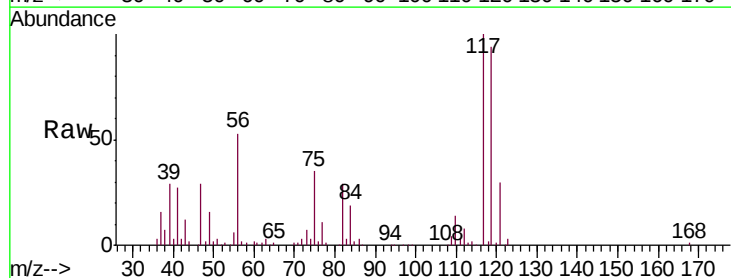
Instrument :
MSVOA_N
ClientSampleId :

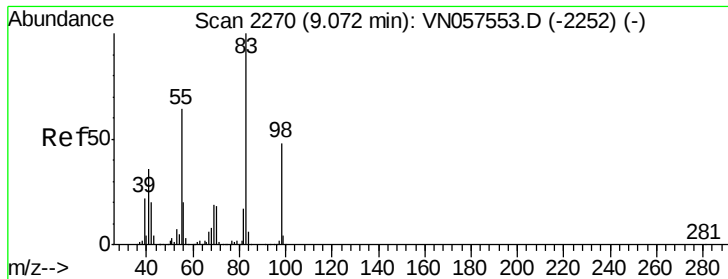
Tot Ion: 43 Resp: 101079
Ion Ratio Lower Upper
43 100
61 15.3 9.9 14.9#
70 11.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 117 Resp: 169214
Ion Ratio Lower Upper
117 100
119 93.6 76.2 114.4
121 30.2 23.8 35.6

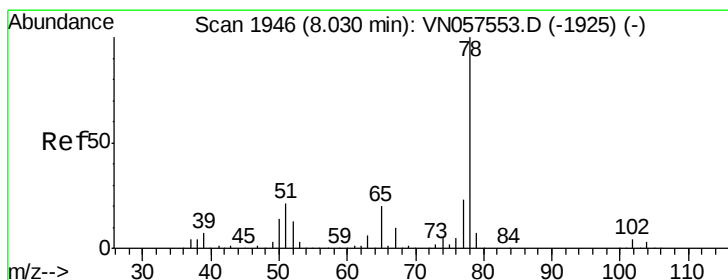
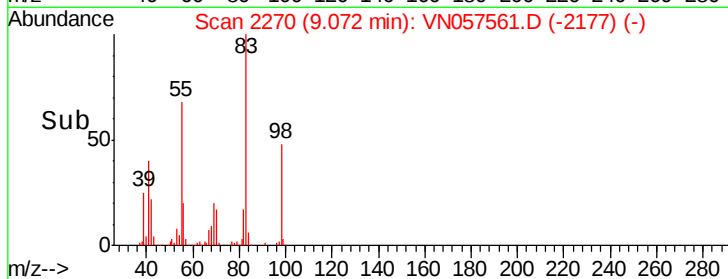
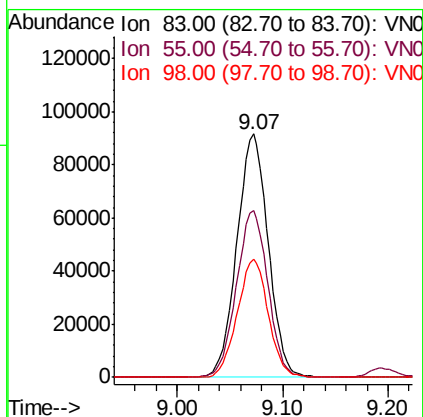
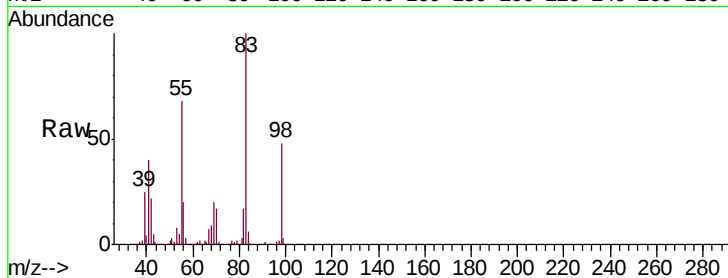




#39
Methvlcvclohexane
Concen: 19.828 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

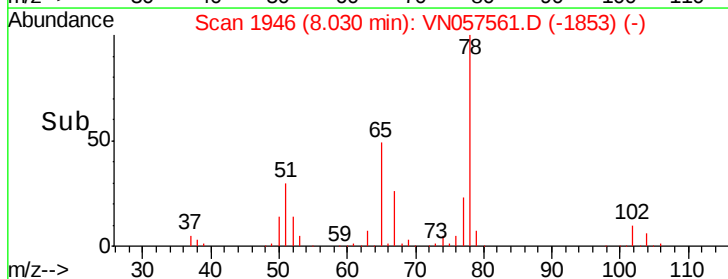
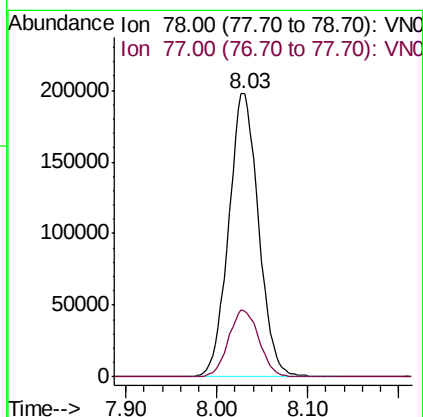
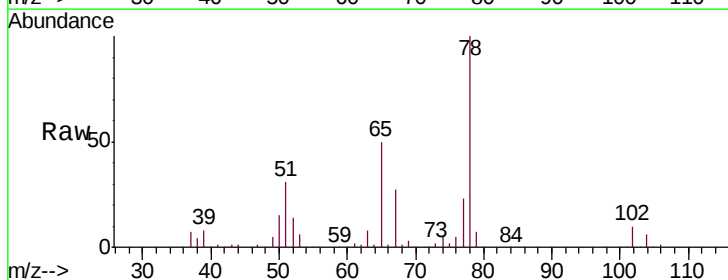
Instrument :
MSVOA_N
ClientSampled :

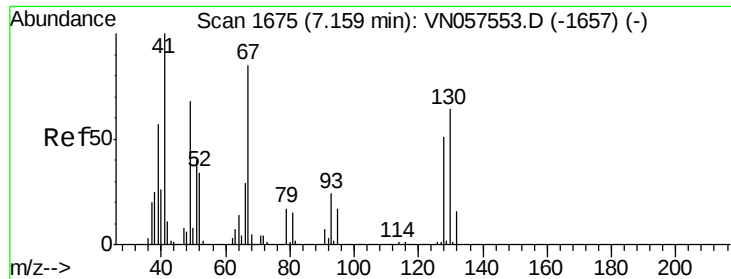
Tot Ion: 83 Resp: 189182
Ion Ratio Lower Upper
83 100
55 68.5 68.6 102.8#
98 48.4 36.6 54.8



#40
Benzene
Concen: 19.688 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 78 Resp: 452144
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7





#41

Methacrylonitrile

Concen: 20.236 ug/l

RT: 7.16 min Scan# 1675

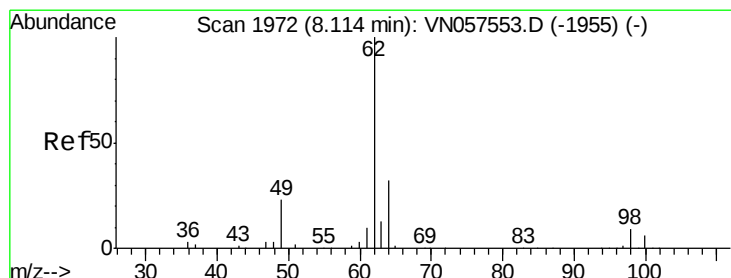
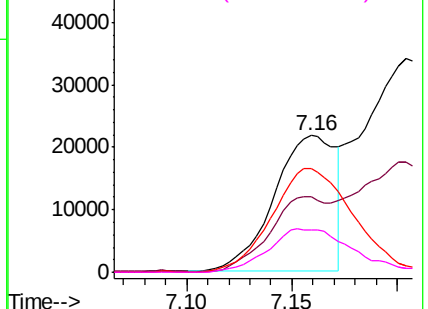
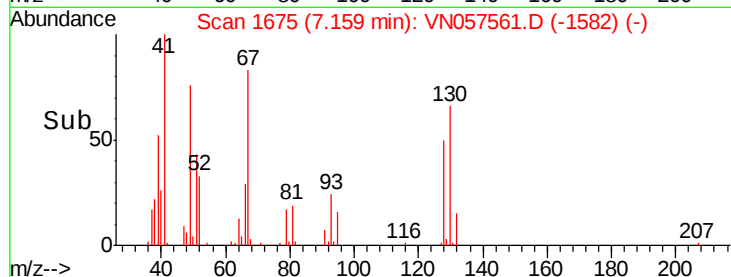
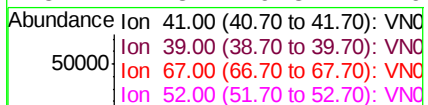
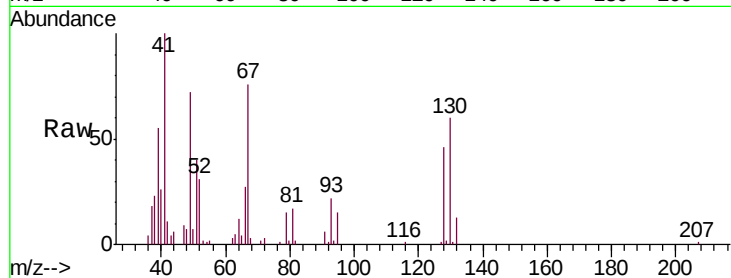
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	44244
Ion	Ratio	Lower	Upper
41	100		
39	53.7	53.6	80.4
67	101.1	65.4	98.2#
52	44.3	29.8	44.6



#42

1,2-Dichloroethane

Concen: 20.497 ug/l

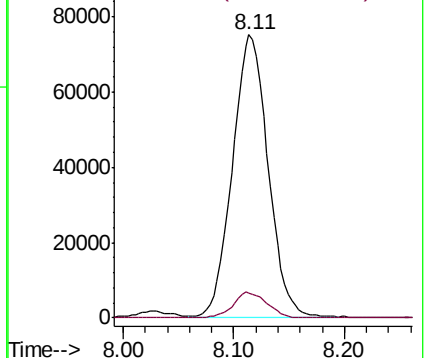
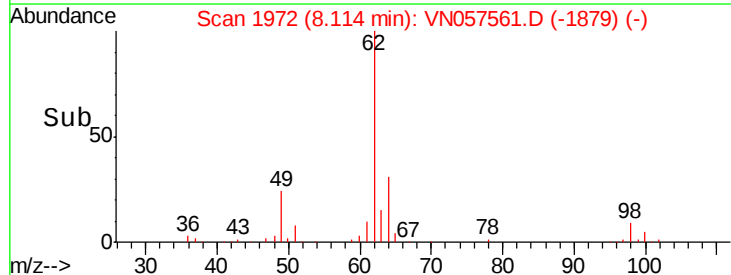
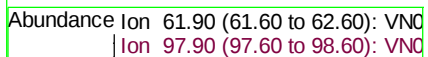
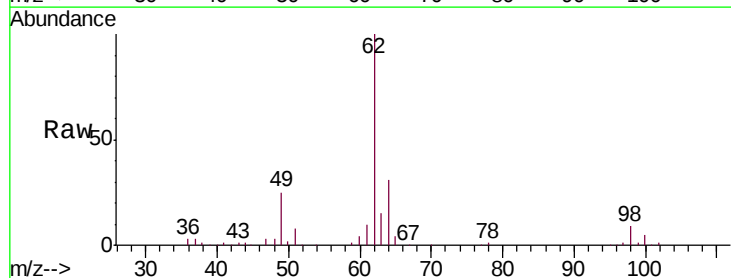
RT: 8.11 min Scan# 1972

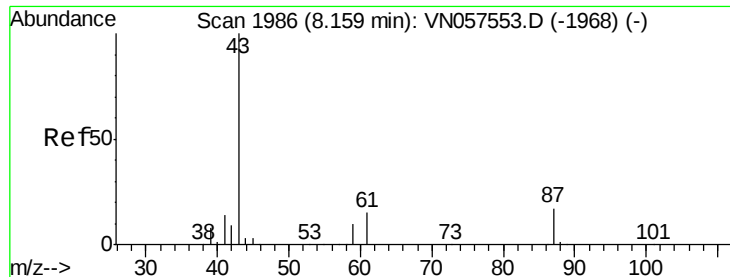
Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion:	62	Resp:	167539
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.4





#43

Isopropyl Acetate

Concen: 19.986 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

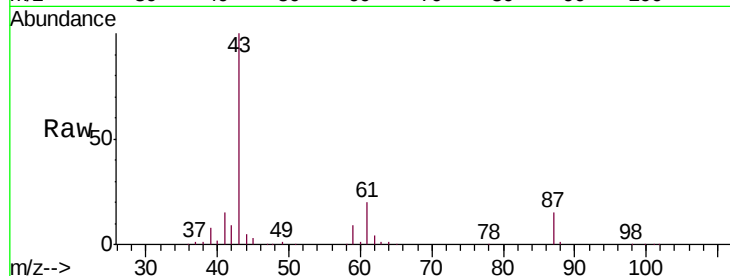
Tot Ion: 43 Resp: 185351

Ion Ratio Lower Upper

43 100

61 20.9 14.5 21.7

87 15.6 8.6 12.8#

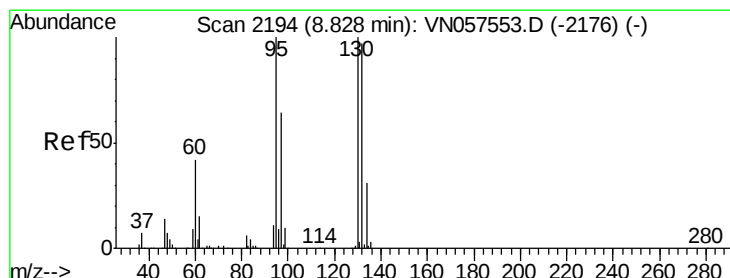
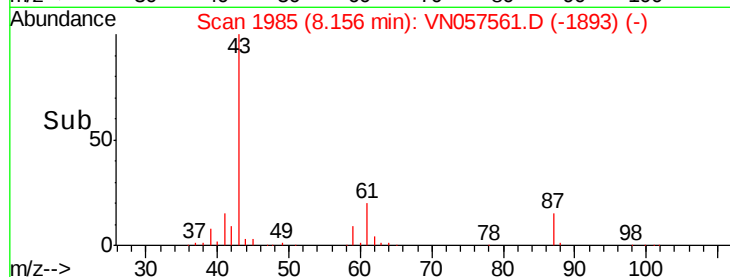
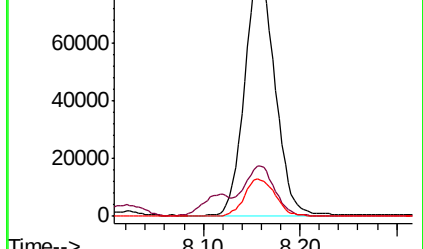


Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057553.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057553.D (-1968) (-)

8.16



#44

Trichloroethene

Concen: 19.768 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057561.D

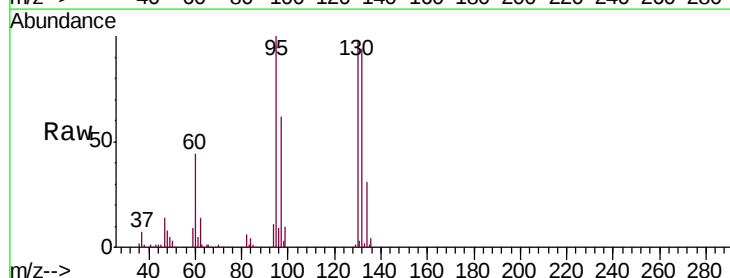
Acq: 29 Aug 2019 20:27

Tgt Ion:130 Resp: 125364

Ion Ratio Lower Upper

130 100

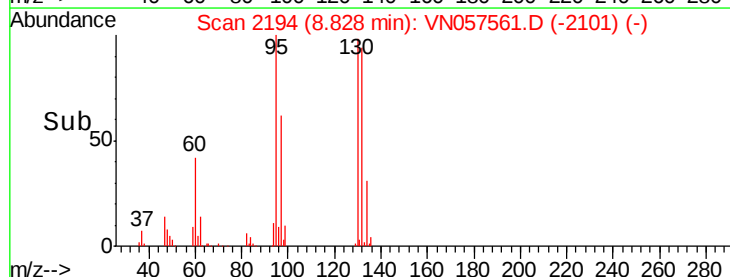
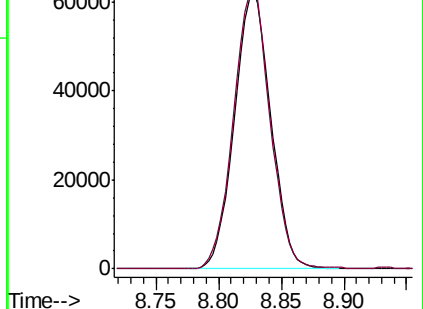
95 101.7 0.0 231.6

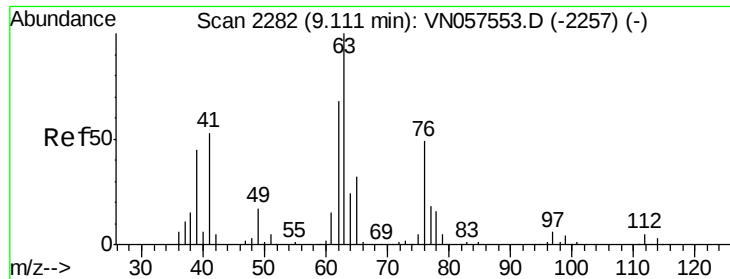


Abundance Ion 129.80 (129.50 to 130.50): VN057553.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057553.D (-2176) (-)

8.83

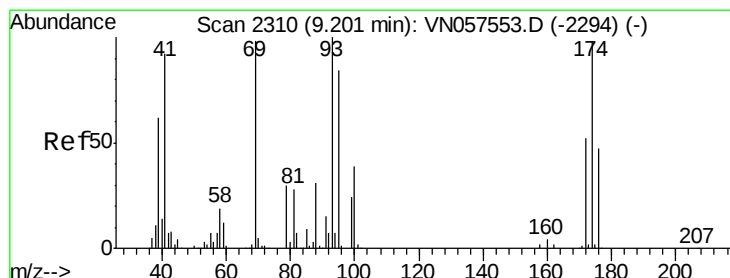
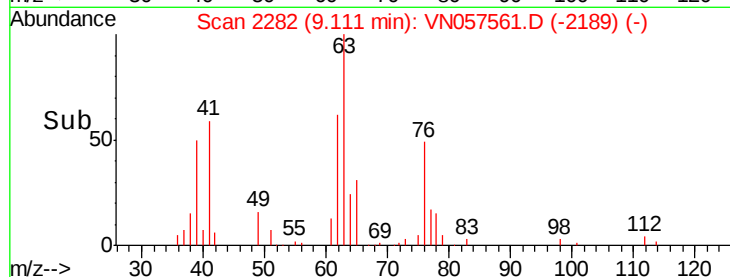
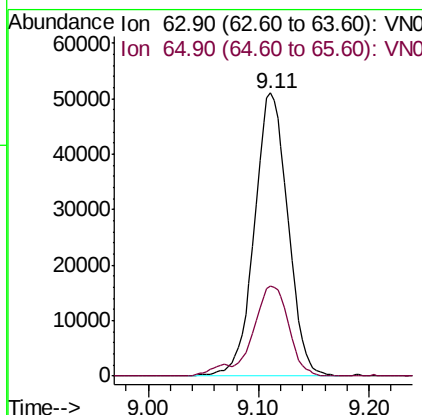
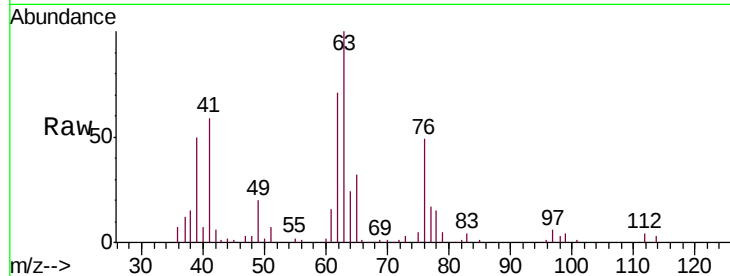




#45
 1,2-Dichloropropane
 Concen: 20.022 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

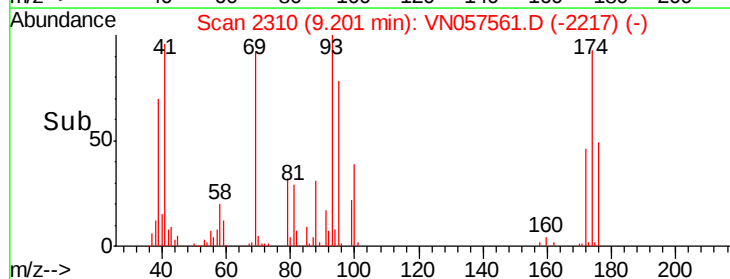
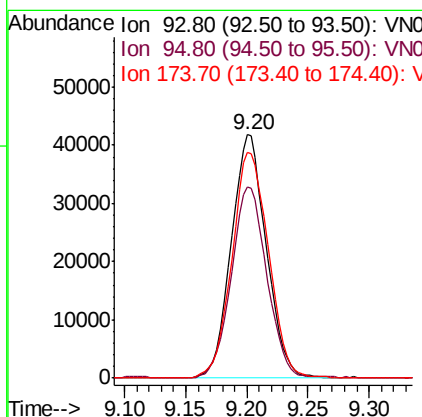
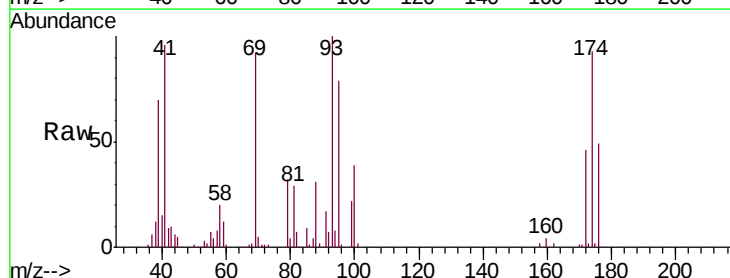
Instrument :
 MSVOA_N
 ClientSampled :

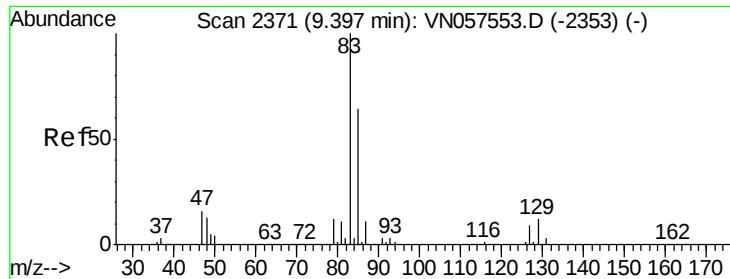
Tot Ion: 63 Resp: 107447
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1



#46
 Dibromomethane
 Concen: 19.753 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion: 93 Resp: 83121
 Ion Ratio Lower Upper
 93 100
 95 80.0 64.7 97.1
 174 96.4 62.3 93.5#





#47

Bromodichloromethane

Concen: 19.316 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

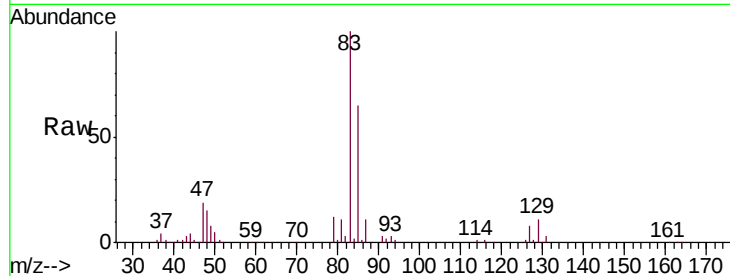
Tot Ion: 83 Resp: 167581

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

127 8.3 6.6 10.0

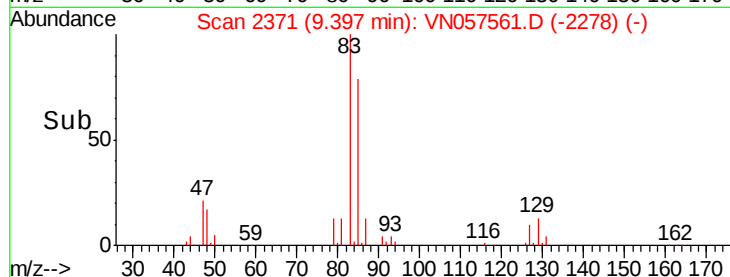


Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057553.D (-2353) (-)

Time-->

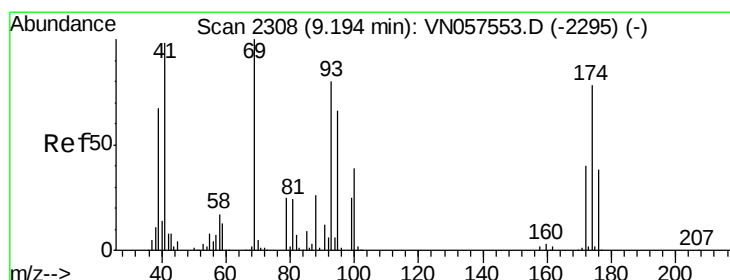


Abundance Ion 82.90 (82.60 to 83.60): VN057561.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057561.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057561.D (-2278) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.205 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

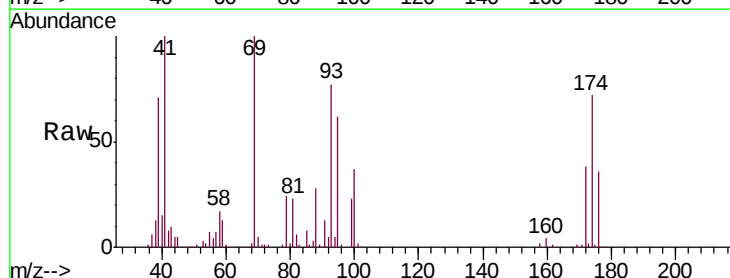
Tgt Ion: 41 Resp: 84120

Ion Ratio Lower Upper

41 100

69 98.8 59.3 88.9#

39 72.3 50.6 75.8

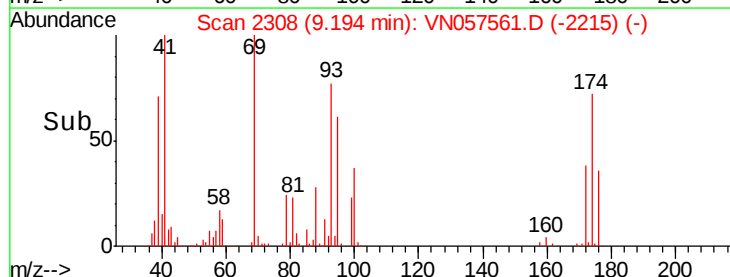


Abundance Ion 41.00 (40.70 to 41.70): VN057553.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057553.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057553.D (-2295) (-)

Time-->

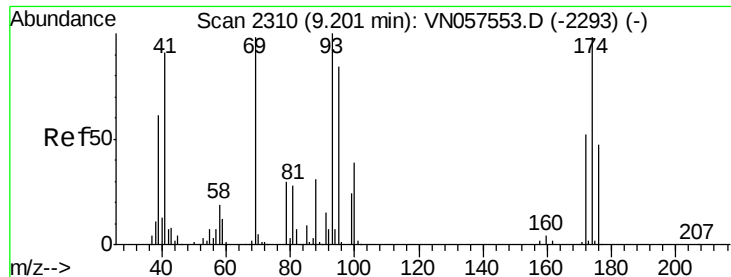


Abundance Ion 41.00 (40.70 to 41.70): VN057561.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057561.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057561.D (-2215) (-)

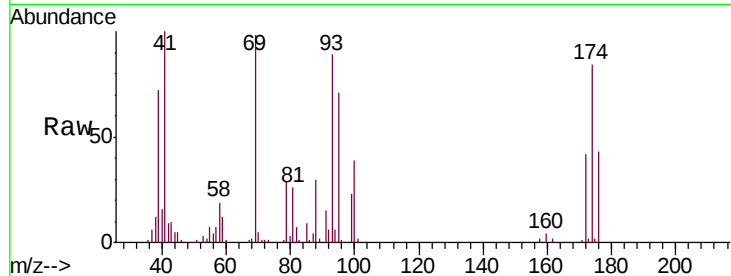
Time-->



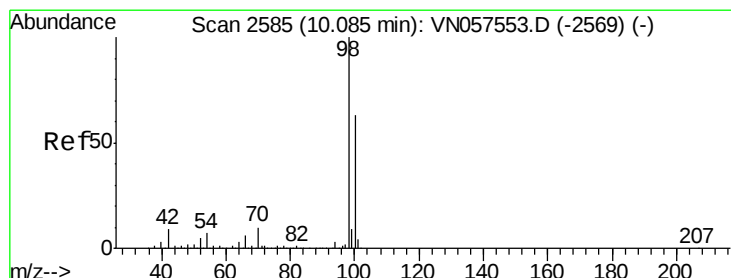
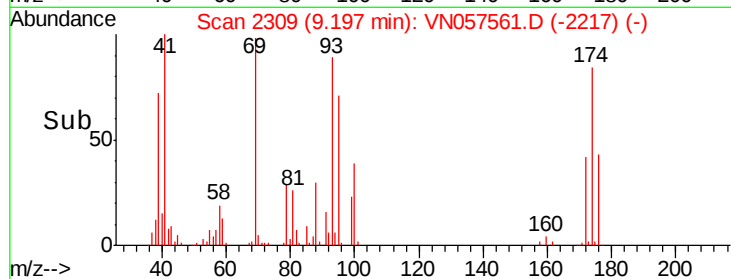
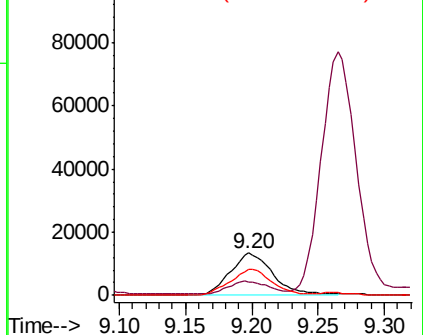
#49
1,4-Dioxane
Concen: 376.183 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30069
Ion Ratio Lower Upper
88 100
43 27.8 31.0 46.6#
58 60.1 64.5 96.7#

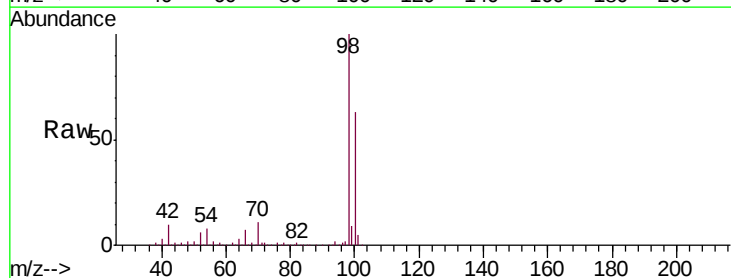


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

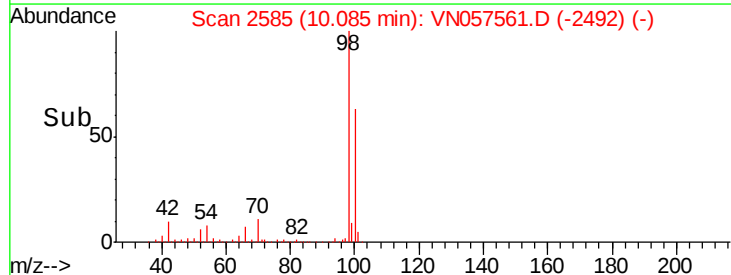
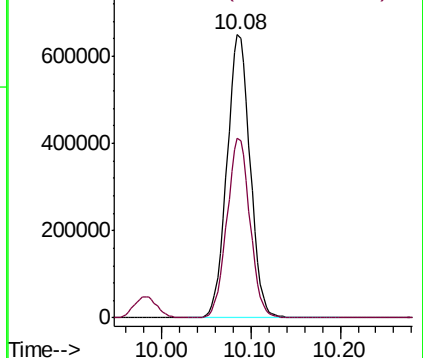


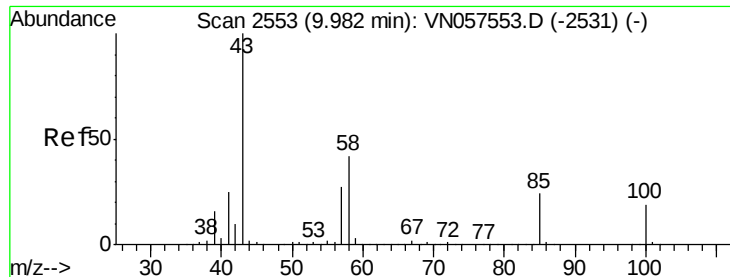
#50
Toluene-d8
Concen: 53.080 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 98 Resp: 1167392
Ion Ratio Lower Upper
98 100
100 63.0 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: 101.670 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

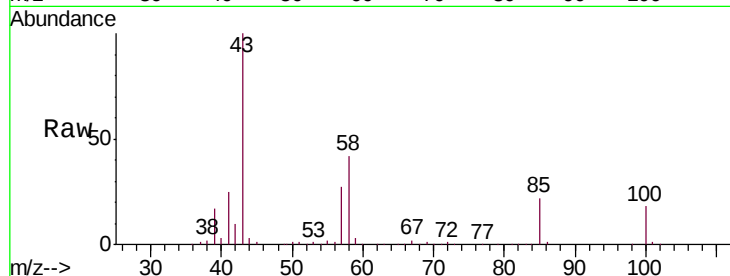
ClientSampleId :

Tot Ion: 43 Resp: 503932

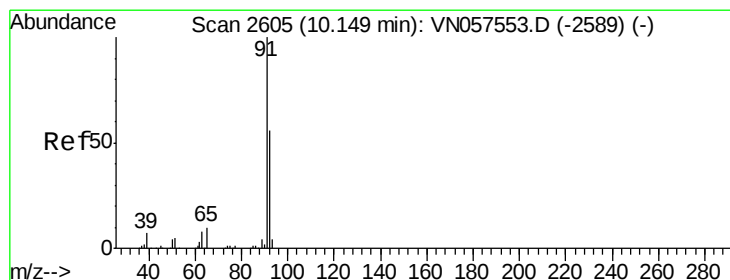
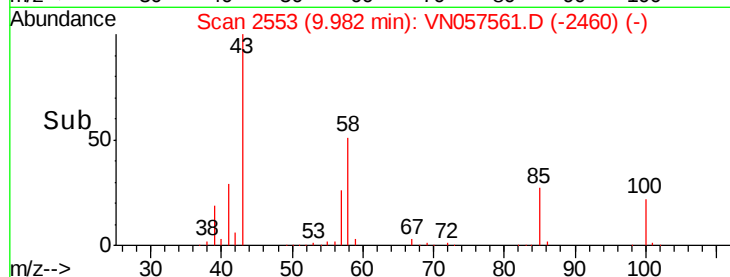
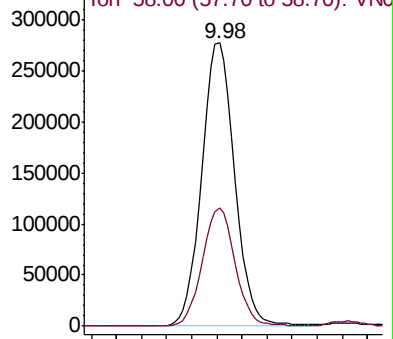
Ion Ratio Lower Upper

43 100

58 41.7 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-2531) (-)



#52

Toluene

Concen: 20.137 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057561.D

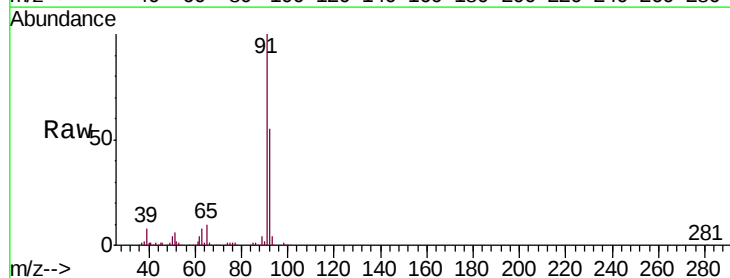
Acq: 29 Aug 2019 20:27

Tgt Ion: 92 Resp: 299605

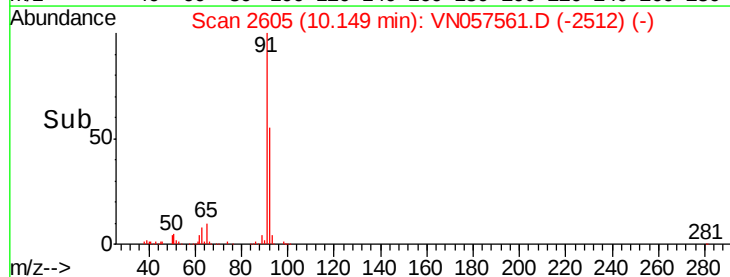
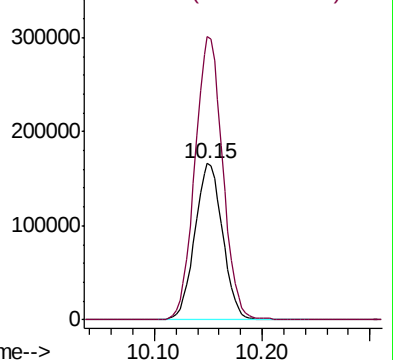
Ion Ratio Lower Upper

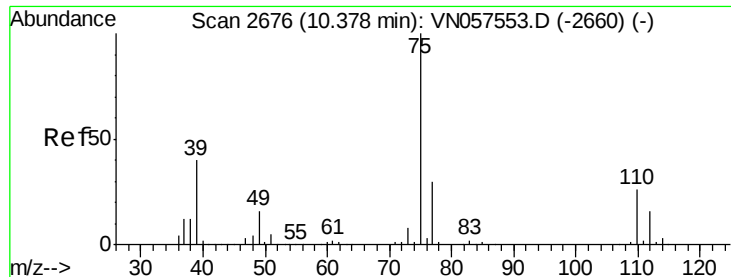
92 100

91 180.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN057553.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 19.021 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

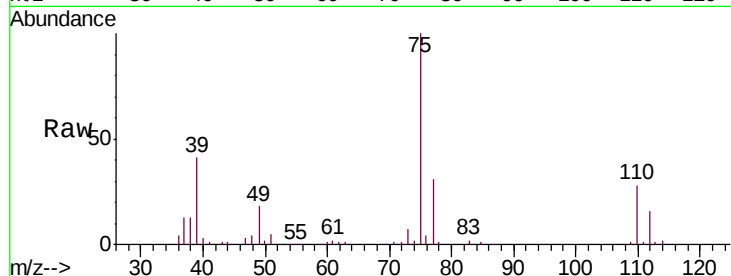
ClientSampled :

Tot Ion: 75 Resp: 159475

Ion Ratio Lower Upper

75 100

77 30.2 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

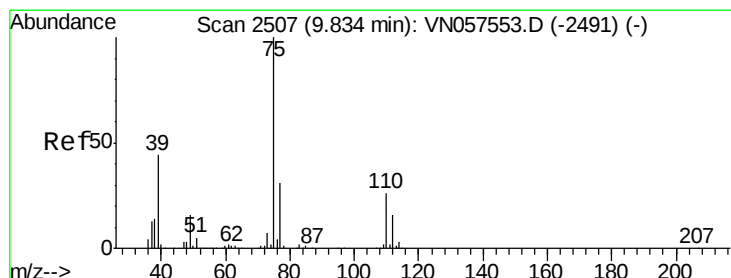
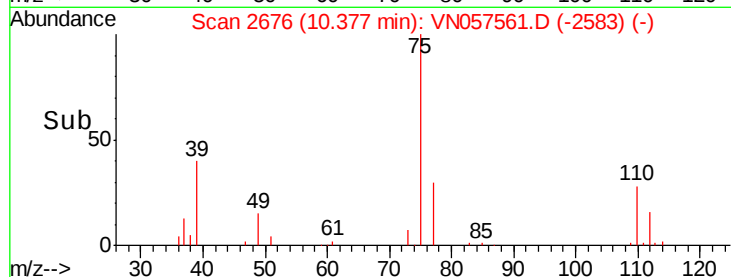
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.622 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

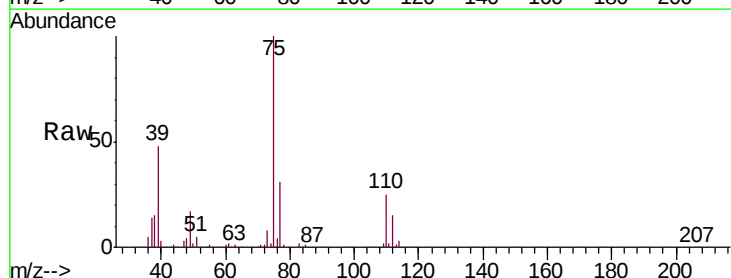
Tgt Ion: 75 Resp: 178183

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 48.3 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

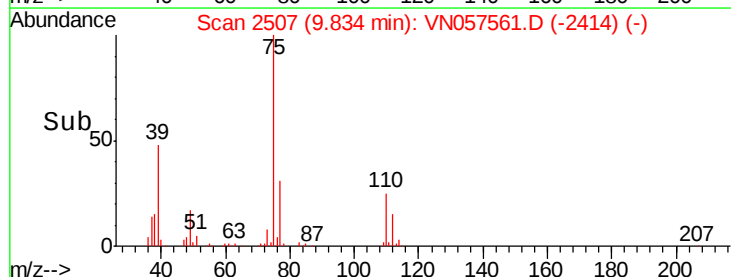
60000

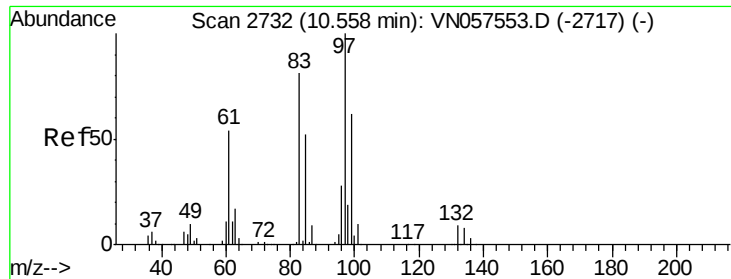
40000

20000

0

Time-->

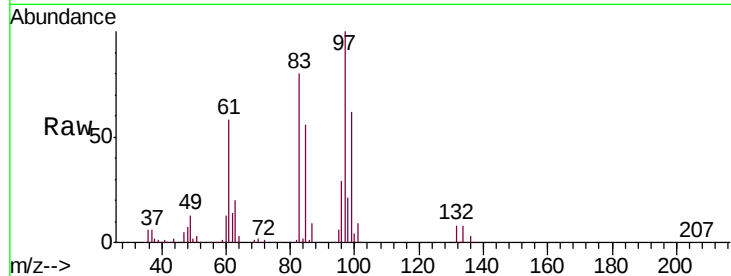




#55
 1,1,2-Trichloroethane
 Concen: 19.753 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	113032
Ion	Ratio	Lower	Upper
97	100		
83	80.3	73.7	110.5
85	56.0	46.8	70.2
99	62.0	49.8	74.8



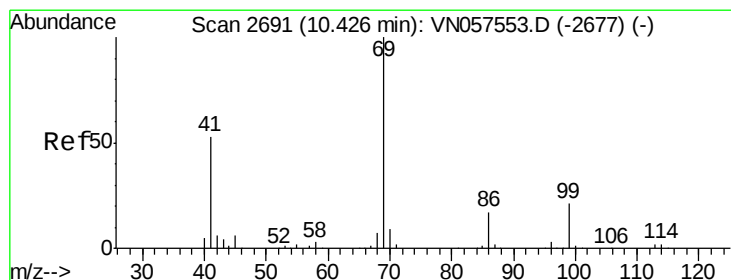
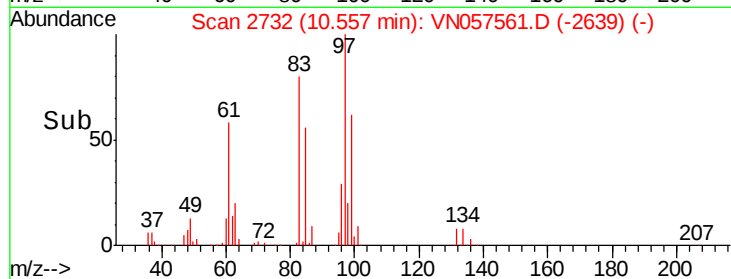
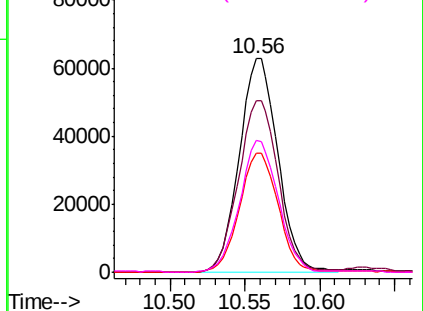
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

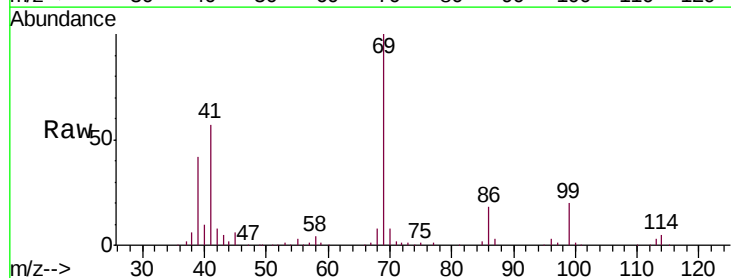
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.712 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion:	69	Resp:	150137
Ion	Ratio	Lower	Upper
69	100		
41	55.8	60.8	91.2#
39	40.5	36.5	54.7

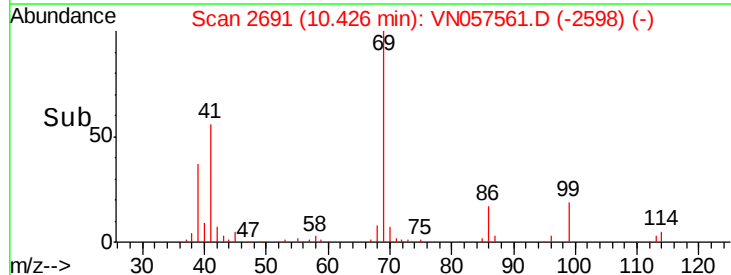
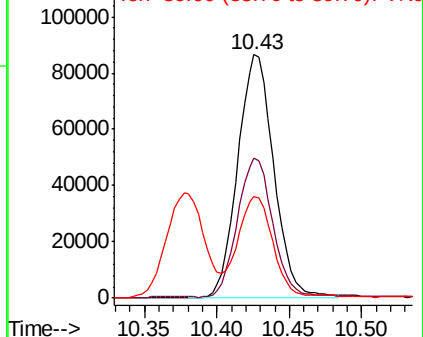


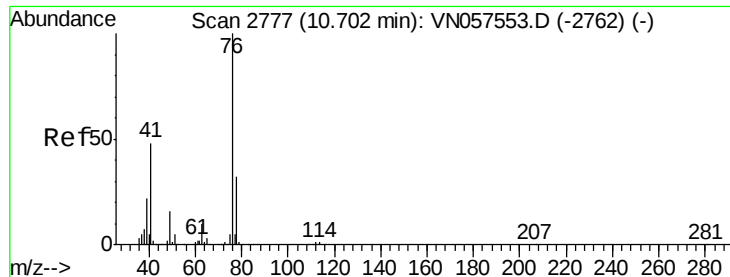
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.738 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

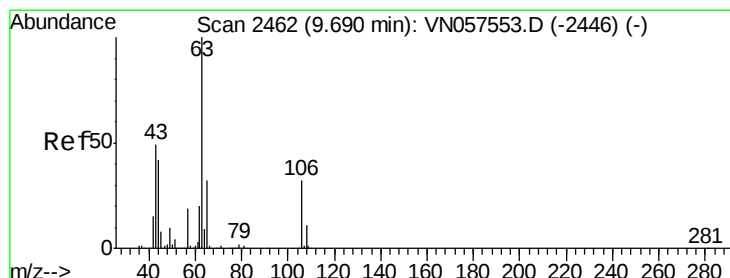
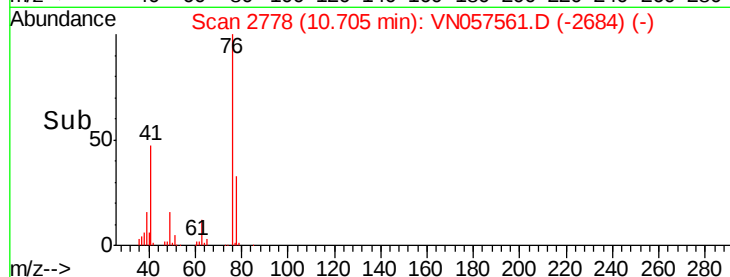
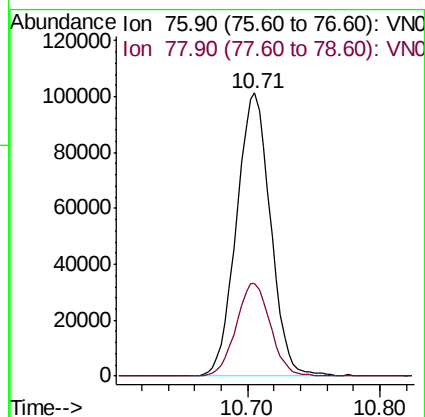
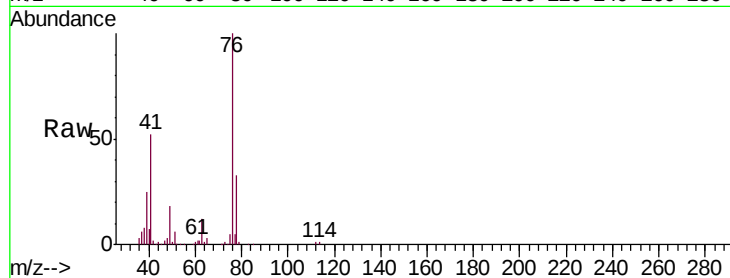
ClientSampled :

Tot Ion: 76 Resp: 180430

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 104.107 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057561.D

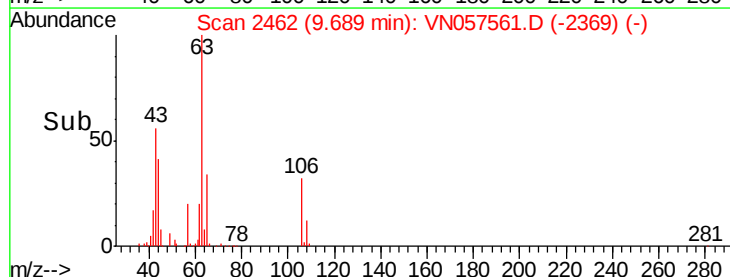
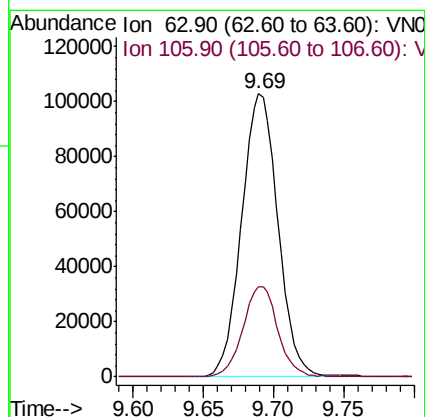
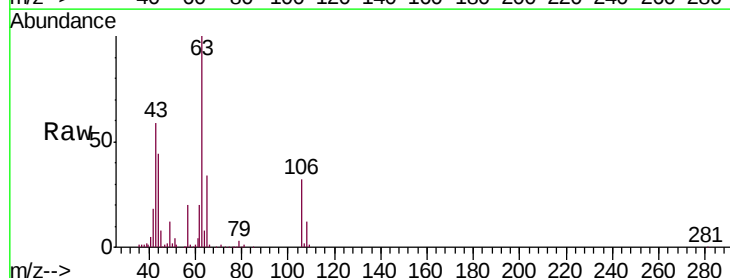
Acq: 29 Aug 2019 20:27

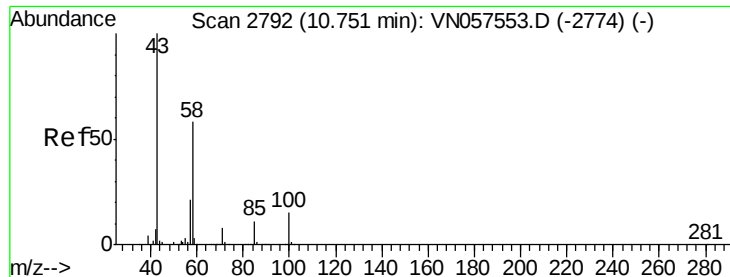
Tgt Ion: 63 Resp: 186035

Ion Ratio Lower Upper

63 100

106 30.7 18.6 27.8#

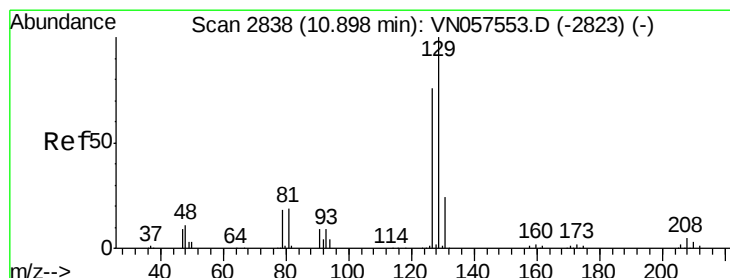
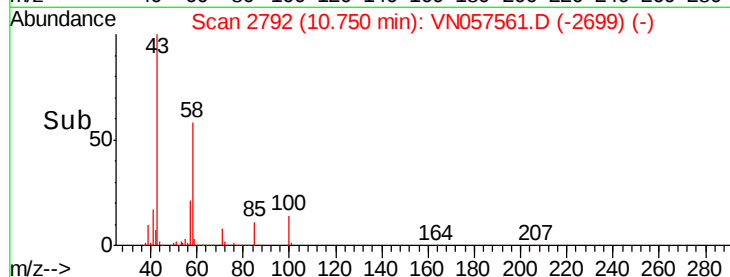
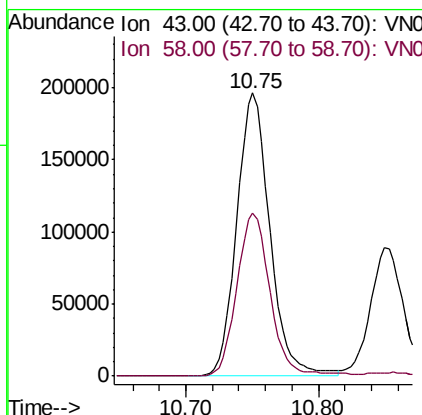
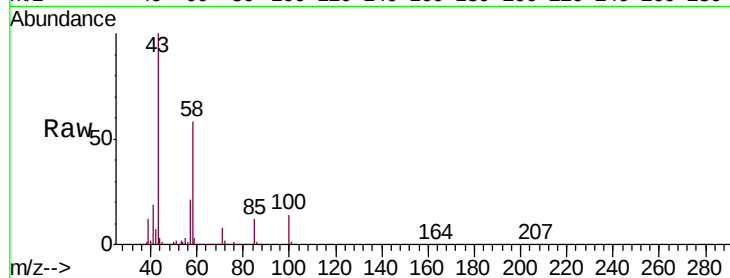




#59
2-Hexanone
Concen: 99.193 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

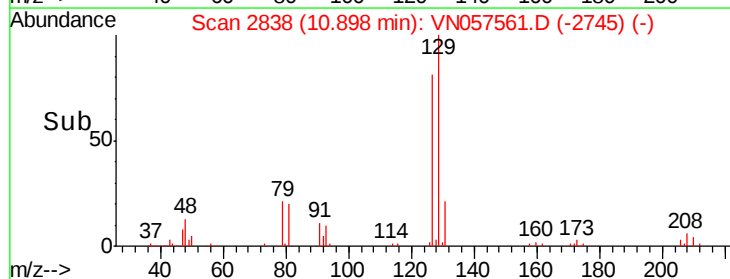
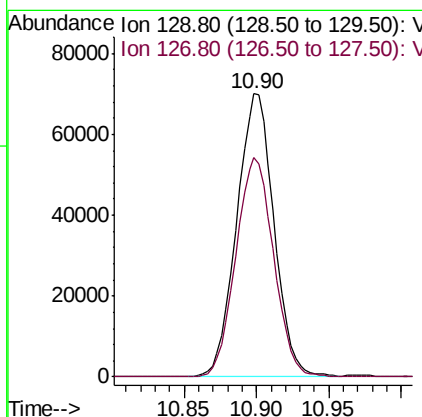
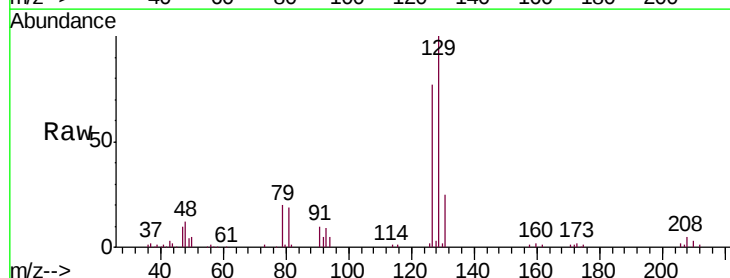
Instrument :
MSVOA_N
ClientSampled :

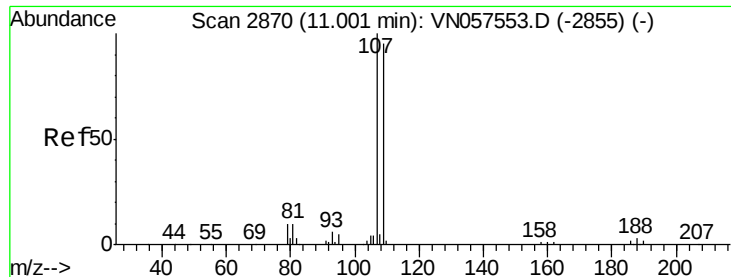
Tot Ion: 43 Resp: 339443
Ion Ratio Lower Upper
43 100
58 58.4 24.6 73.6



#60
Dibromochloromethane
Concen: 19.181 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 129 Resp: 125198
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9

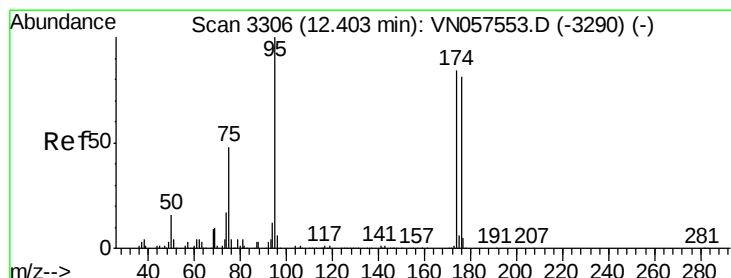
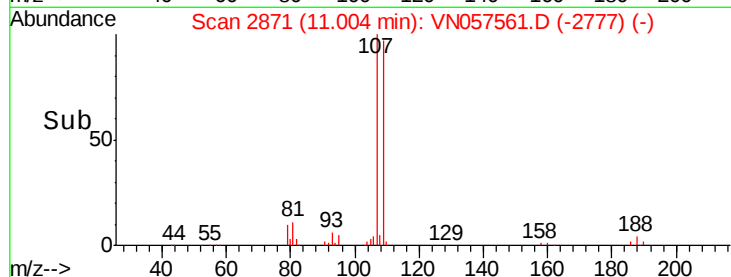
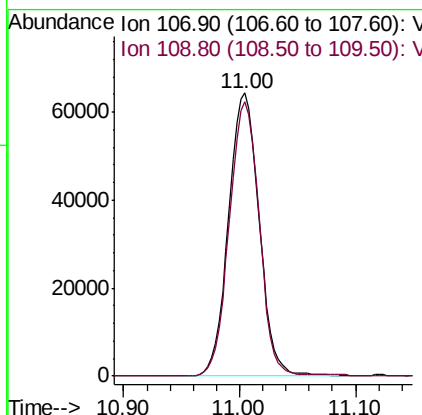
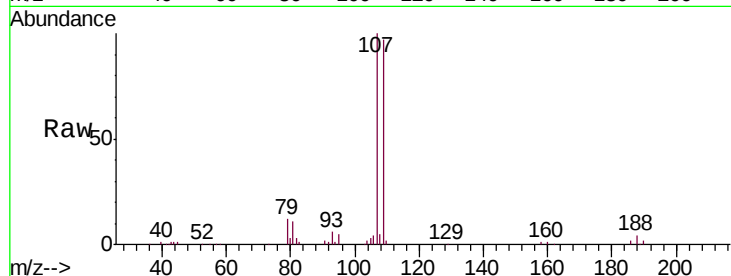




#61
 1,2-Dibromoethane
 Concen: 19.617 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

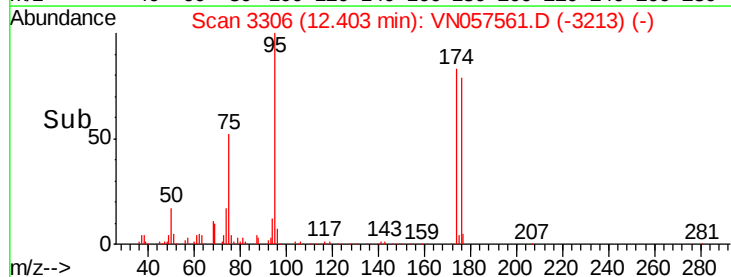
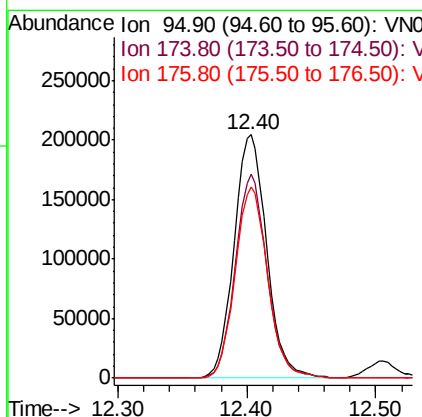
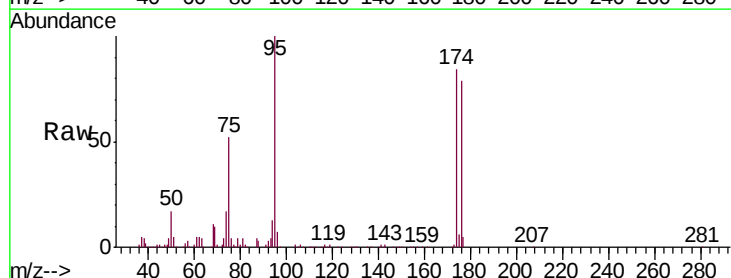
Instrument :
 MSVOA_N
 ClientSampleId :

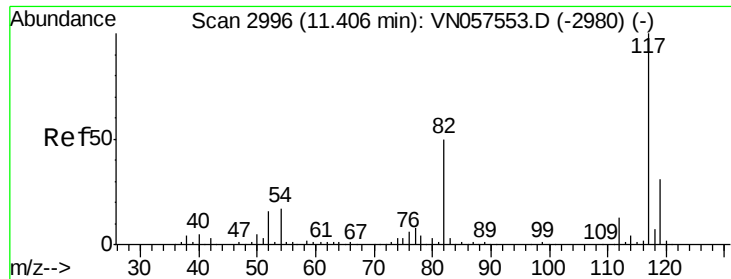
Tot Ion:107 Resp: 117468
 Ion Ratio Lower Upper
 107 100
 109 94.9 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 48.295 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion: 95 Resp: 359412
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 133.0
 176 78.3 0.0 130.8

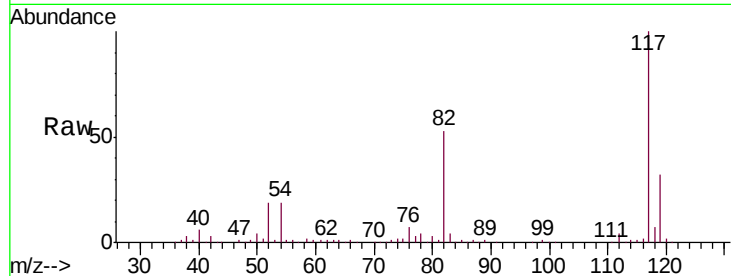




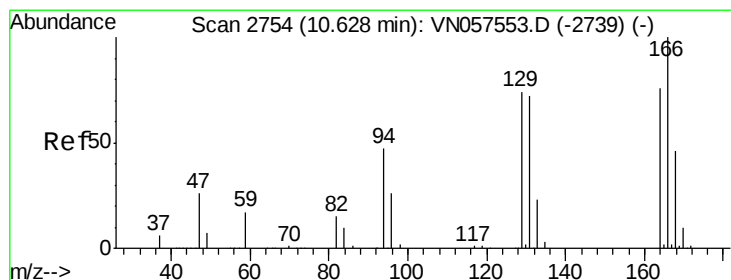
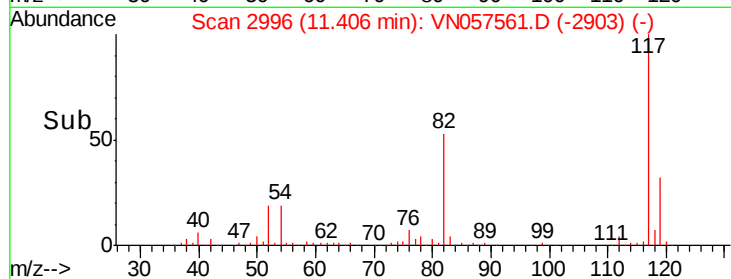
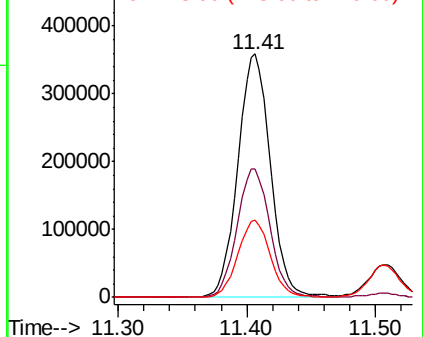
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 631113
Ion Ratio Lower Upper
117 100
82 52.7 50.6 75.8
119 31.8 24.6 36.8

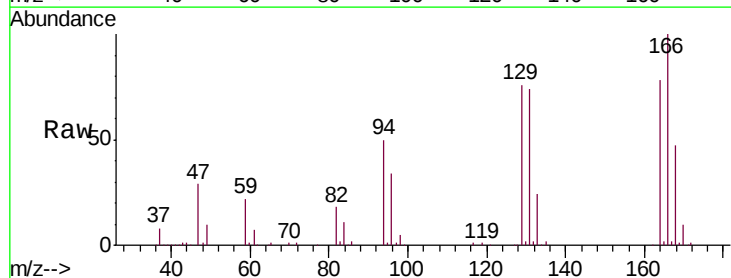


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

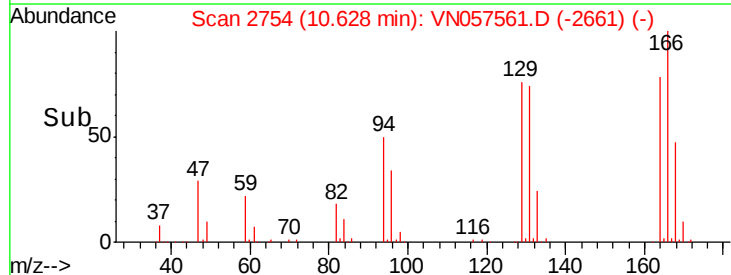
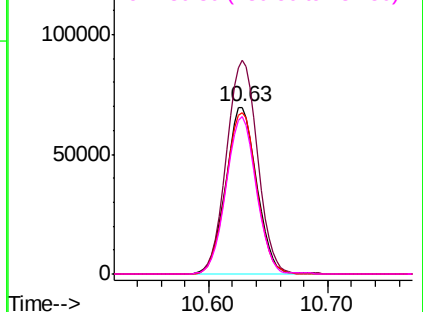


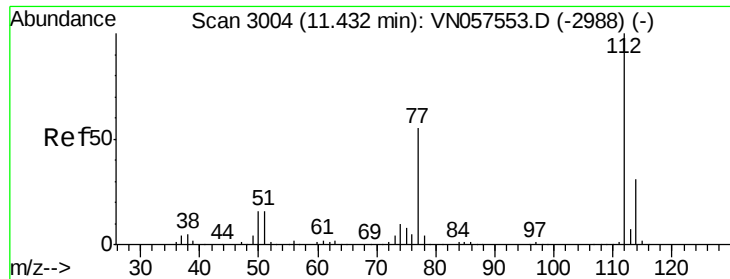
#64
Tetrachloroethene
Concen: 19.358 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:164 Resp: 125474
Ion Ratio Lower Upper
164 100
166 128.3 104.4 156.6
129 97.2 86.6 130.0
131 94.5 77.6 116.4



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

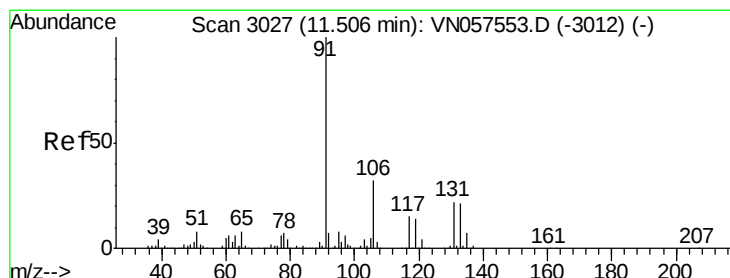
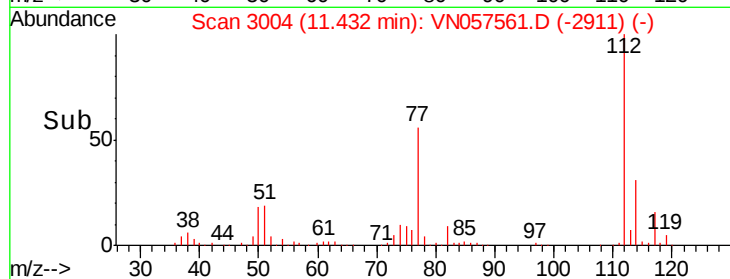
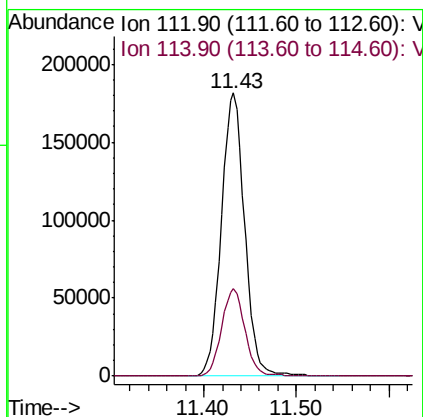
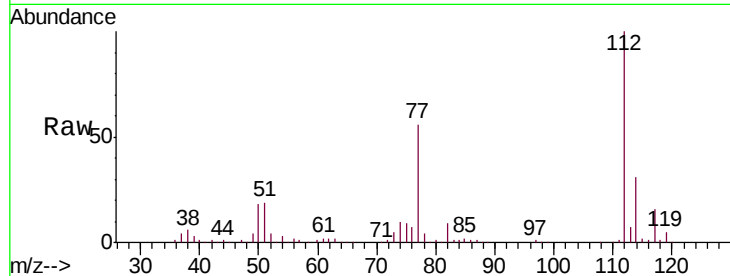




#65
Chlorobenzene
Concen: 19.974 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

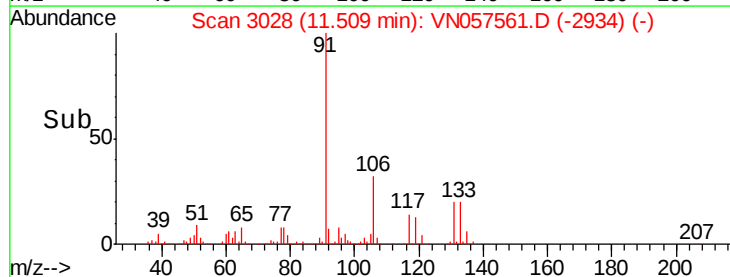
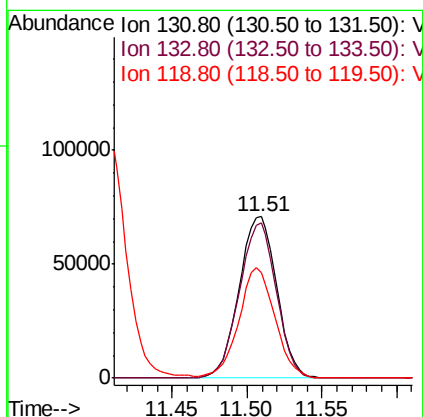
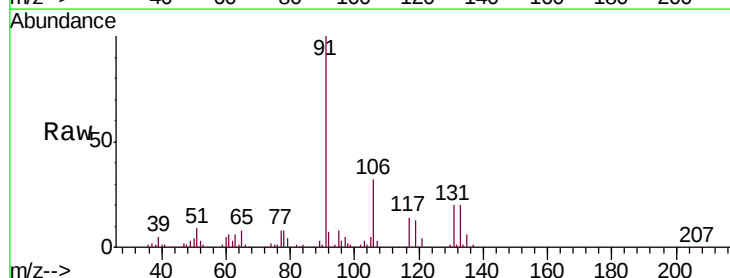
Instrument :
MSVOA_N
ClientSampled :

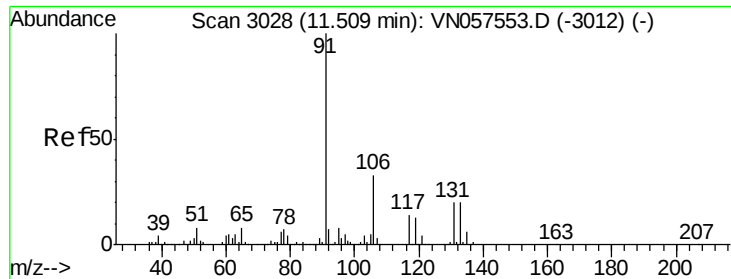
Tot Ion:112 Resp: 316402
Ion Ratio Lower Upper
112 100
114 30.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.880 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:131 Resp: 124198
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 65.9 34.4 103.2

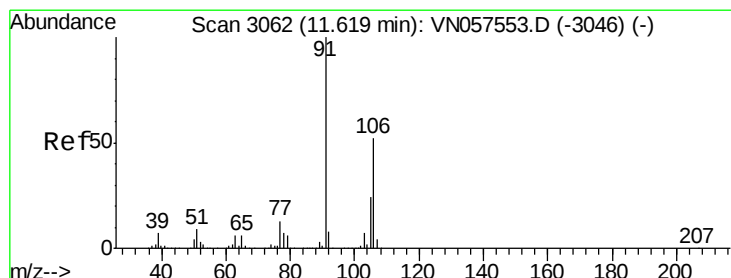
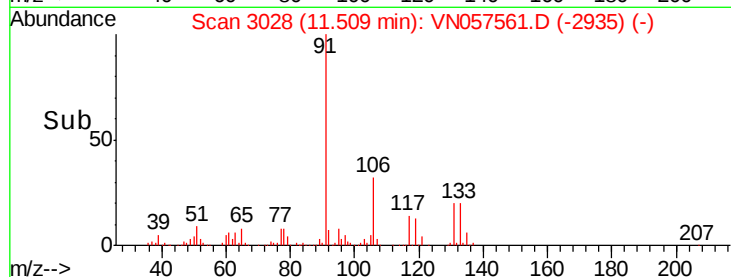
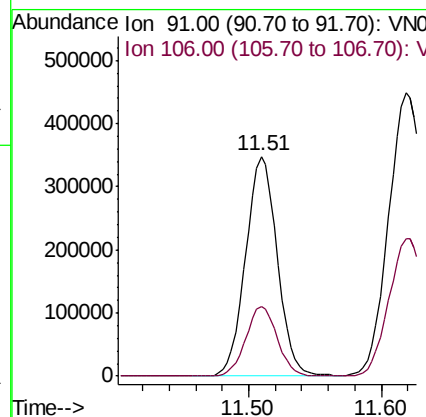
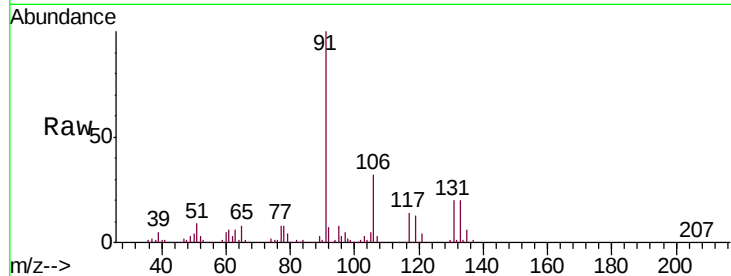




#67
Ethyl Benzene
Concen: 20.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

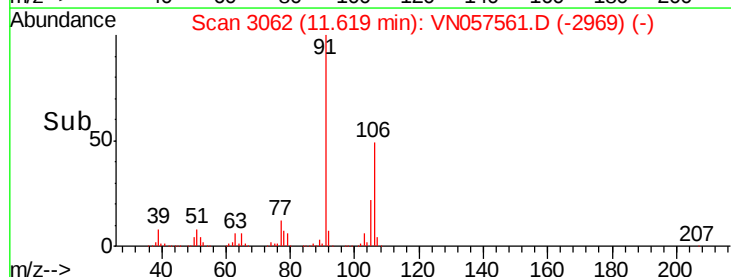
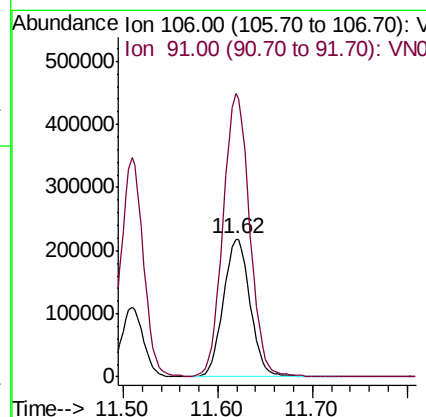
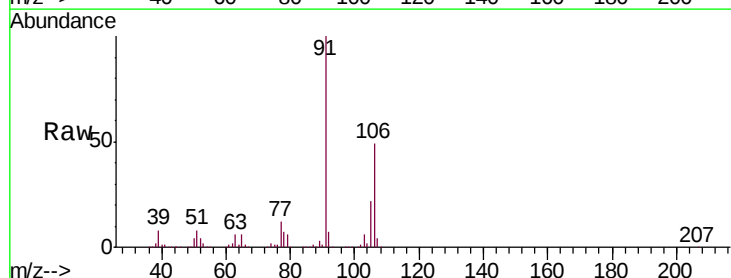
Instrument :
MSVOA_N
ClientSampled :

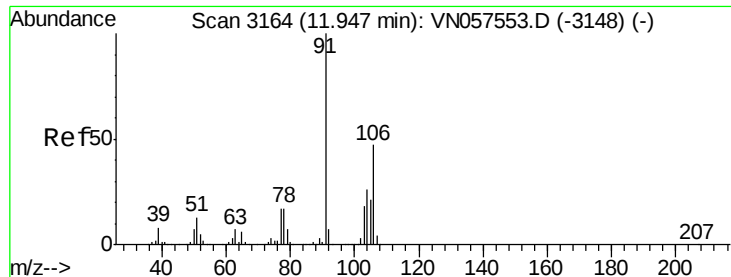
Tot Ion: 91 Resp: 576649
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 40.694 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 106 Resp: 431162
Ion Ratio Lower Upper
106 100
91 203.6 171.8 257.6

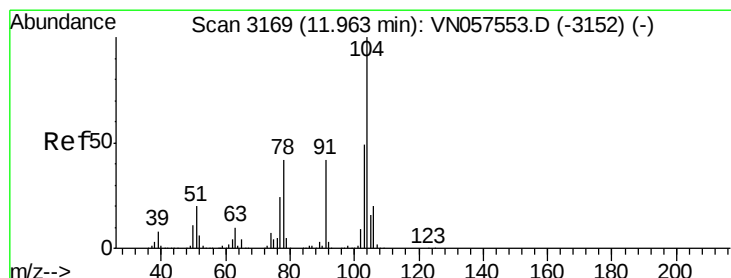
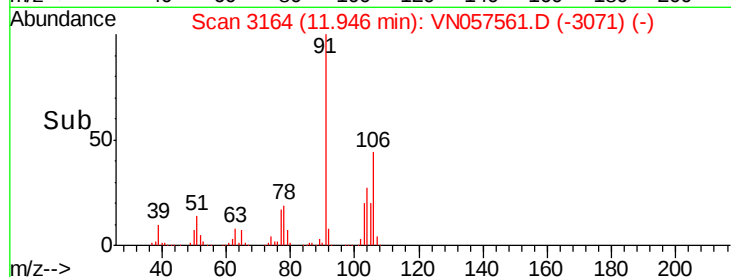
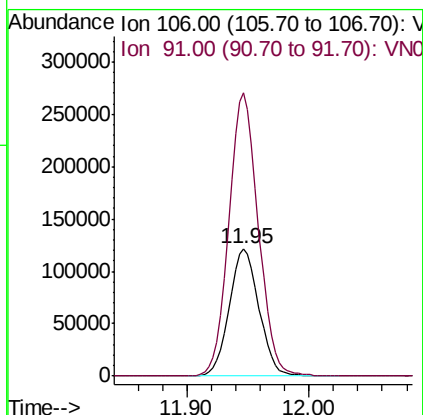
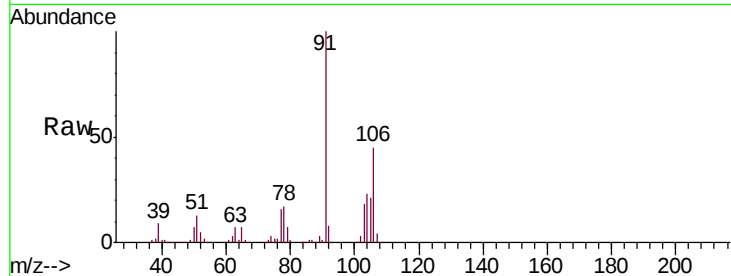




#69
o-Xylene
Concen: 19.433 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

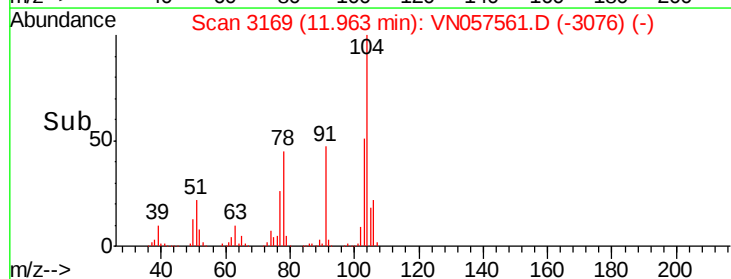
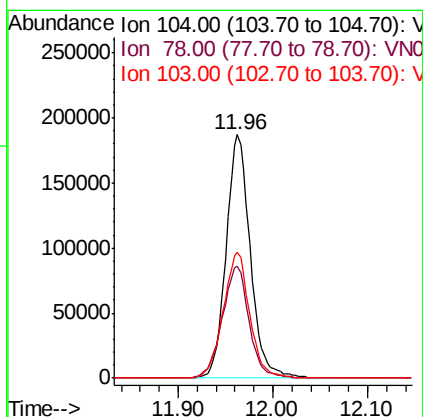
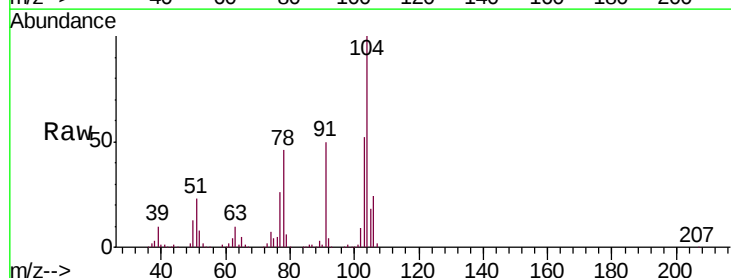
Instrument :
MSVOA_N
ClientSampled :

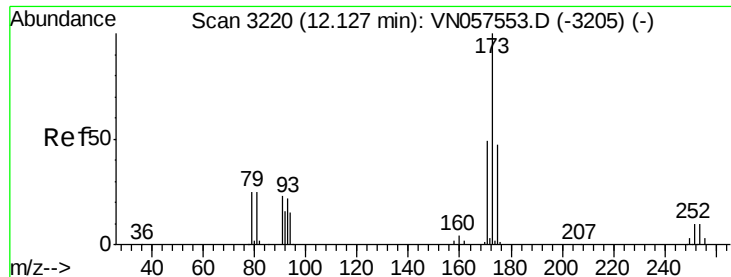
Tot Ion:106 Resp: 206767
Ion Ratio Lower Upper
106 100
91 220.1 112.3 336.9



#70
Styrene
Concen: 20.651 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:104 Resp: 331650
Ion Ratio Lower Upper
104 100
78 51.1 44.7 67.1
103 56.7 44.4 66.6

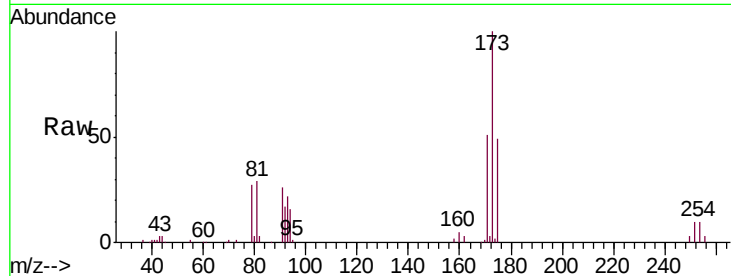




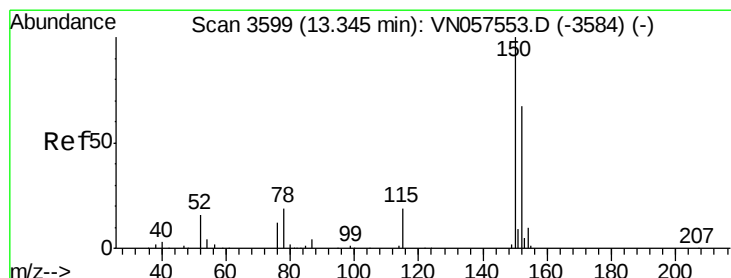
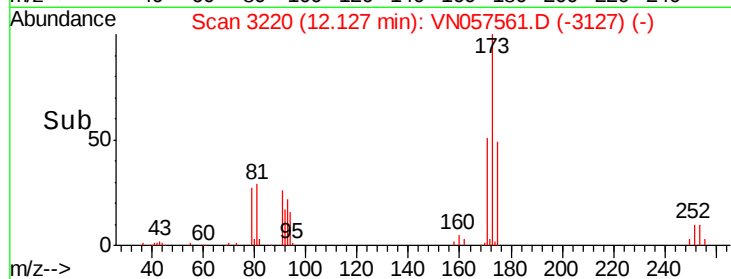
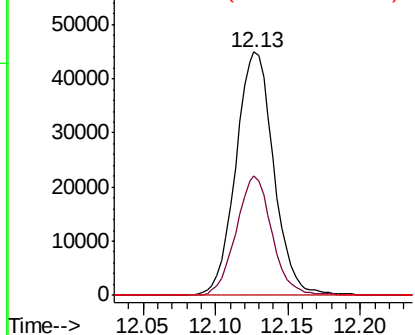
#71
Bromoform
Concen: 19.530 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 81446
Ion Ratio Lower Upper
173 100
175 46.6 23.9 71.8
254 0.0 0.1 0.1#

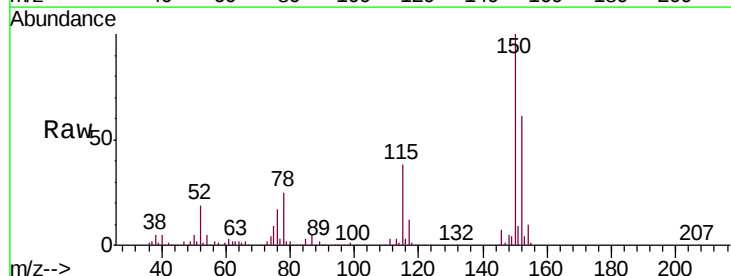


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

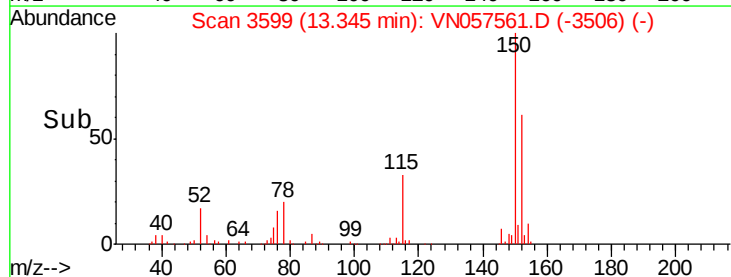
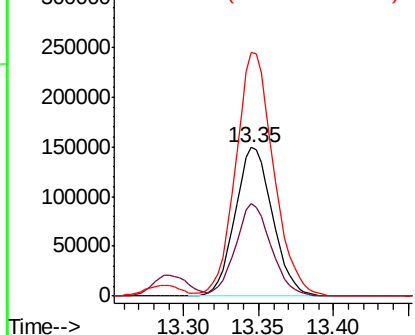


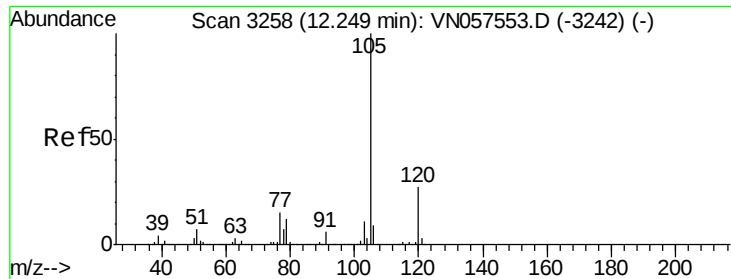
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:152 Resp: 260046
Ion Ratio Lower Upper
152 100
115 59.3 32.0 96.0
150 166.5 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: 20.738 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

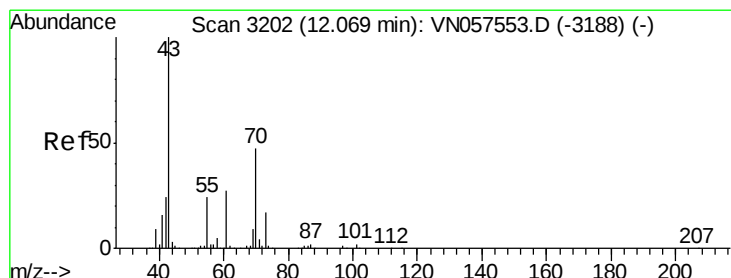
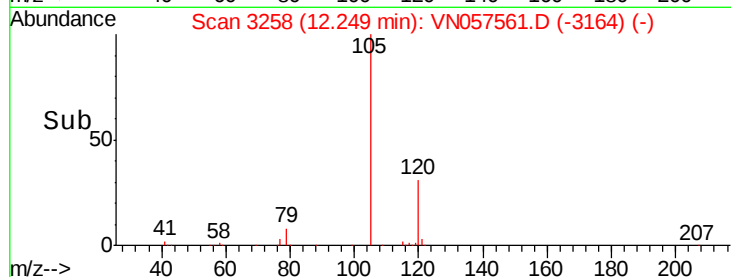
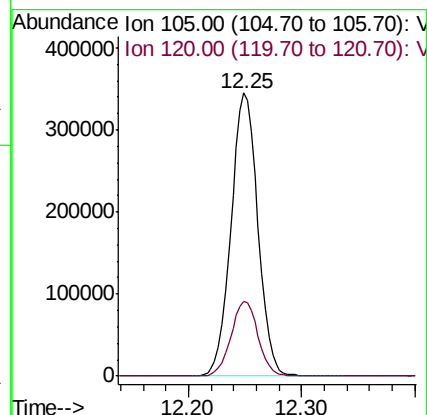
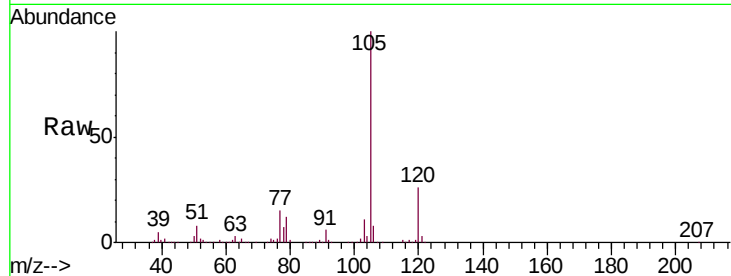
ClientSampled :

Tot Ion:105 Resp: 567523

Ion Ratio Lower Upper

105 100

120 26.6 12.7 38.0



#74

N-ethyl acetate

Concen: 24.097 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Tgt Ion: 43 Resp: 144178

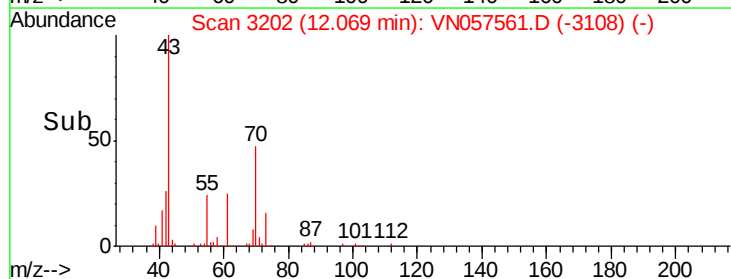
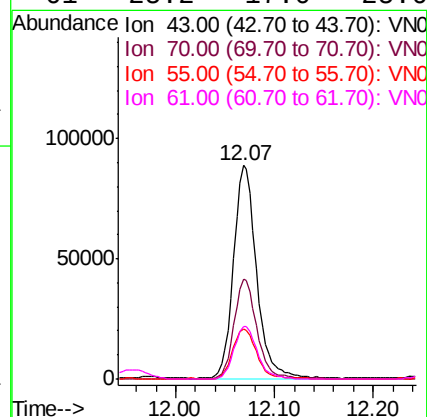
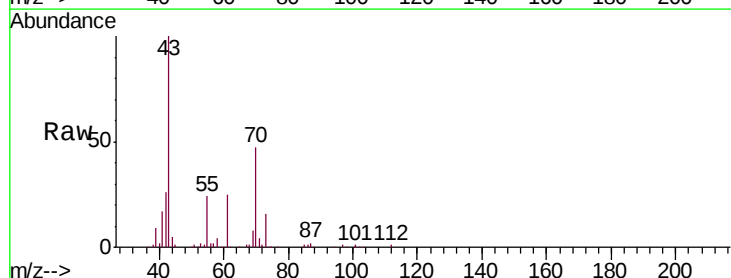
Ion Ratio Lower Upper

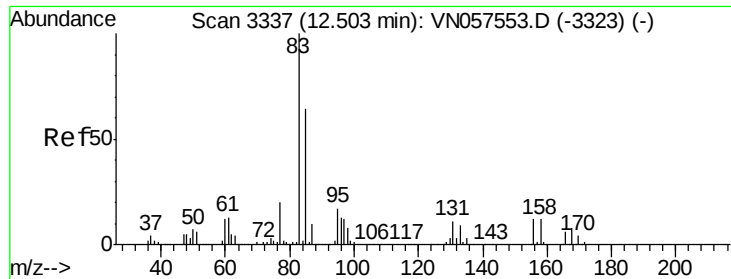
43 100

70 46.5 27.8 41.6#

55 24.5 17.0 25.4

61 25.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.372 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

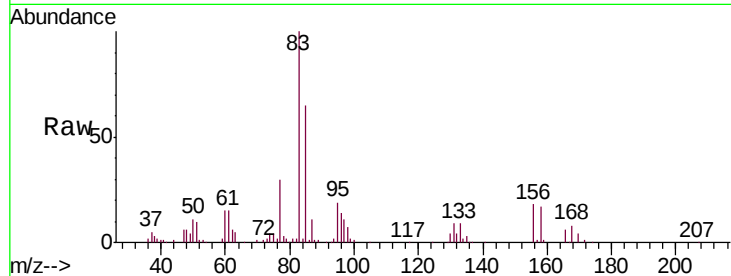
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 136303

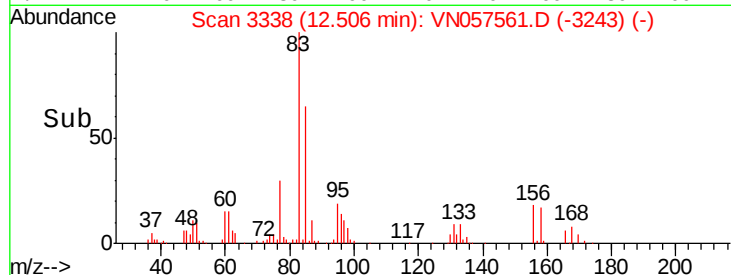
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.3	13.1
85	65.5	32.3	96.8



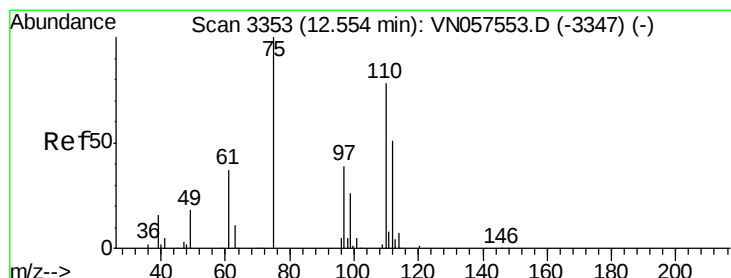
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.288 ug/l

RT: 12.55 min Scan# 3353

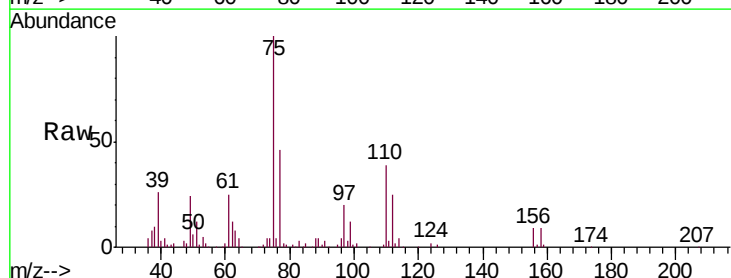
Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

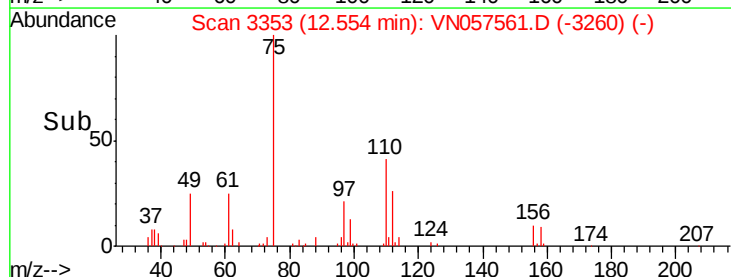
Tgt Ion: 75 Resp: 164491

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

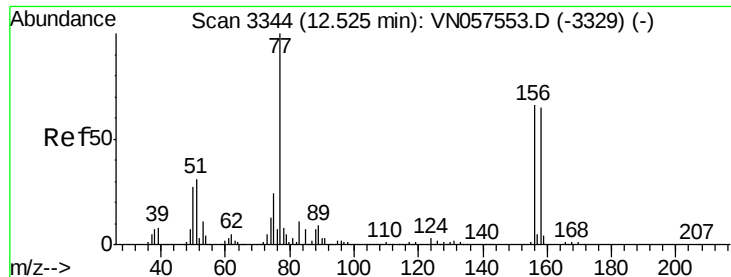


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#77

Bromobenzene

Concen: 19.995 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

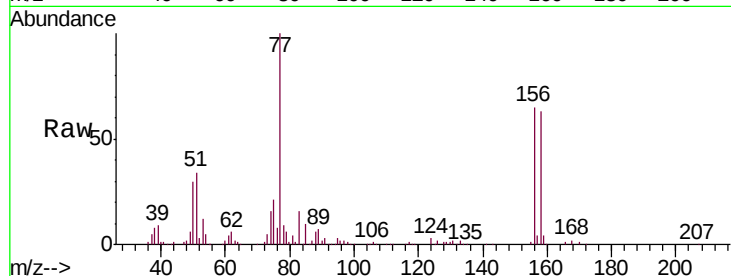
Tot Ion:156 Resp: 128269

Ion Ratio Lower Upper

156 100

77 183.1 124.4 373.3

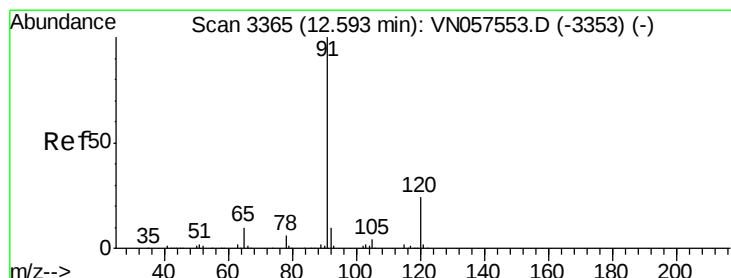
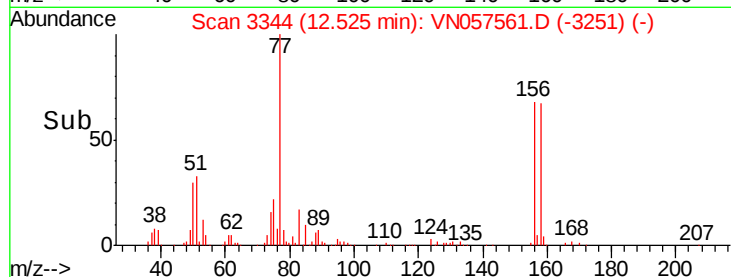
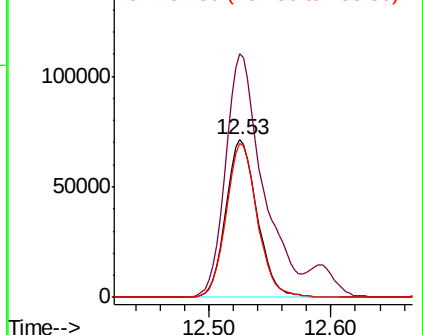
158 97.0 48.3 144.8



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: 20.983 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057561.D

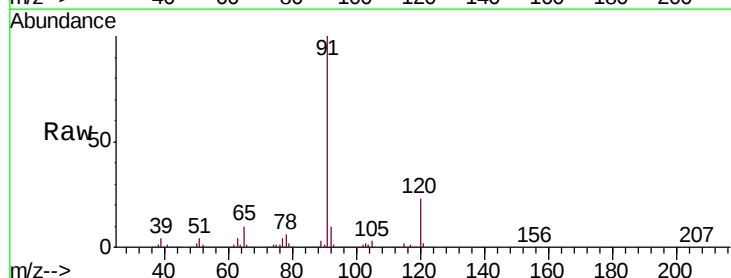
Acq: 29 Aug 2019 20:27

Tgt Ion: 91 Resp: 576833

Ion Ratio Lower Upper

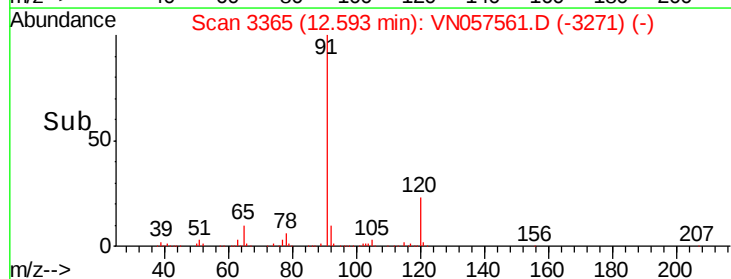
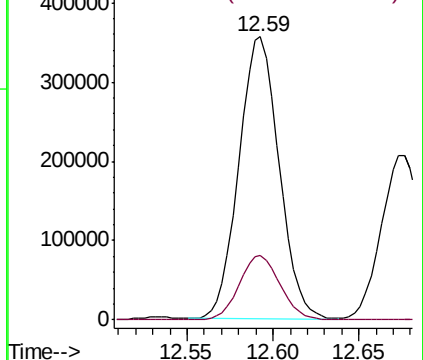
91 100

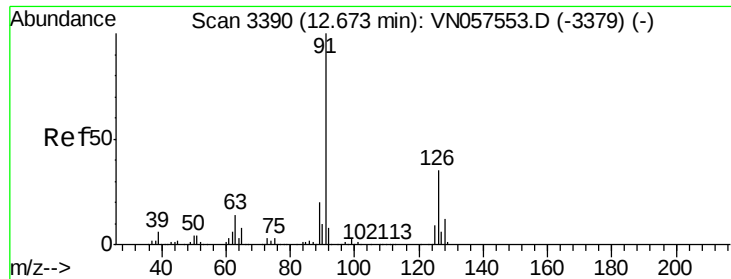
120 23.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.446 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

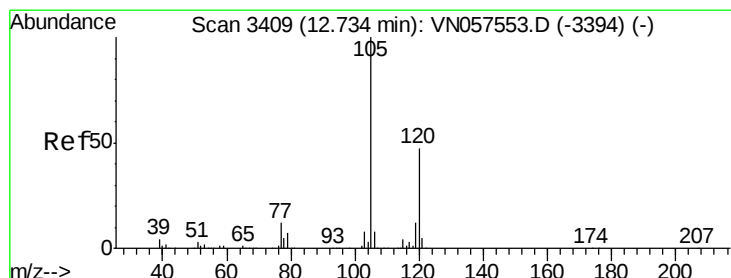
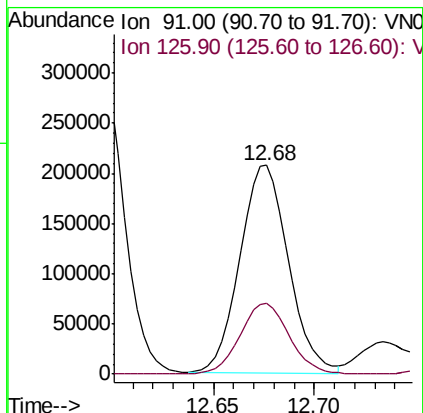
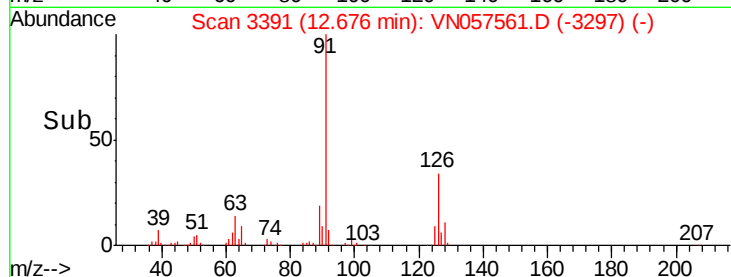
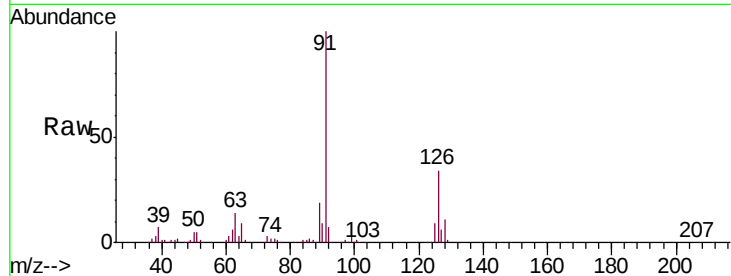
ClientSampled :

Tot Ion: 91 Resp: 350102

Ion Ratio Lower Upper

91 100

126 34.6 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 21.731 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057561.D

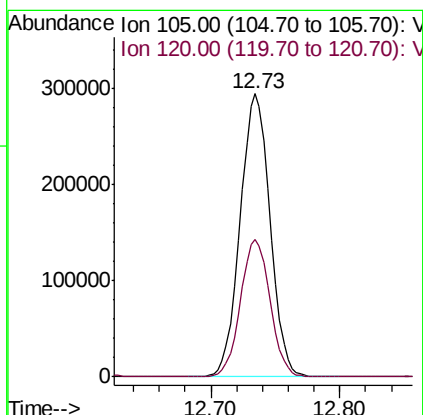
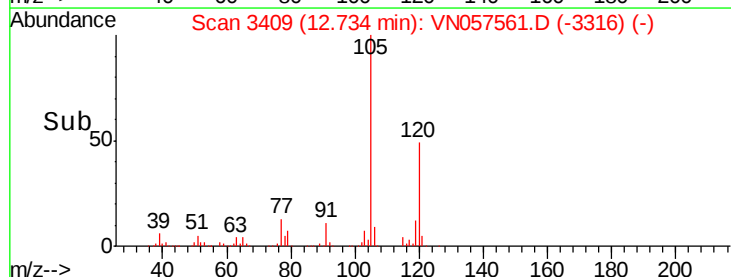
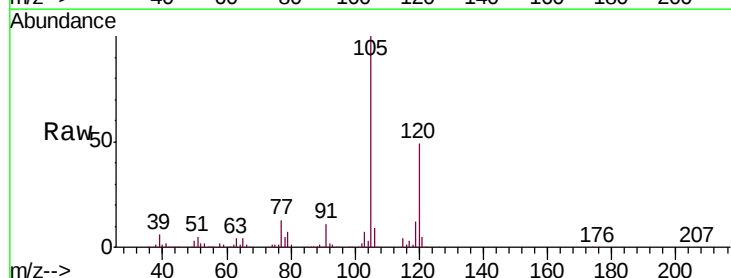
Acq: 29 Aug 2019 20:27

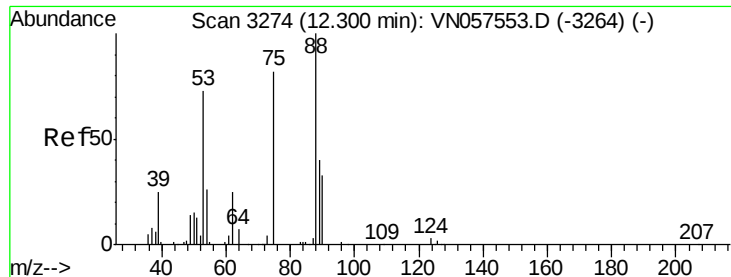
Tgt Ion: 105 Resp: 473216

Ion Ratio Lower Upper

105 100

120 48.0 23.3 69.8

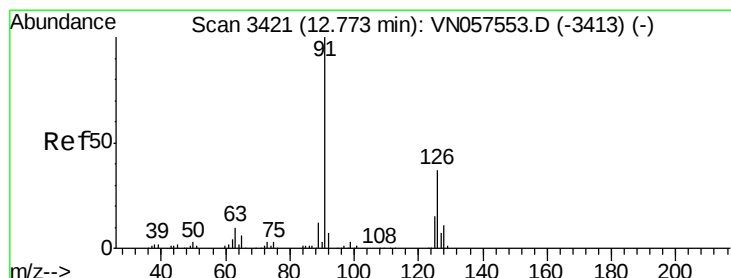
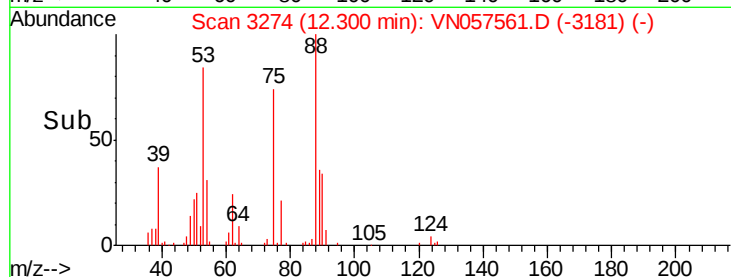
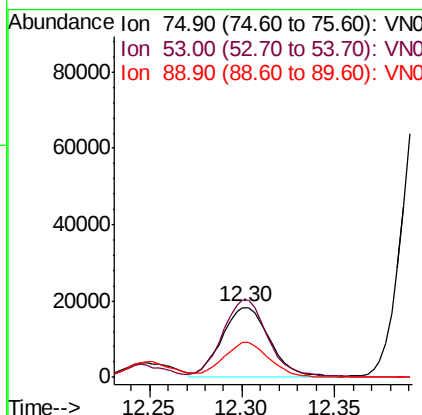
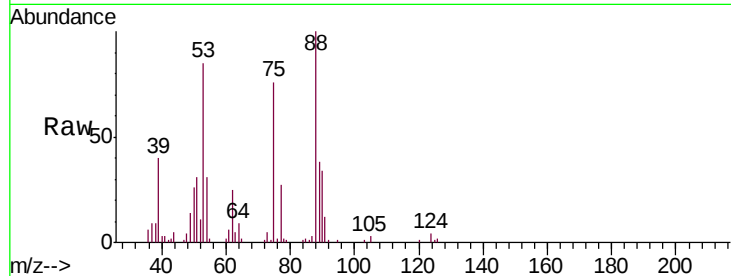




#81
trans-1,4-Dichloro-2-butene
Concen: 18.881 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

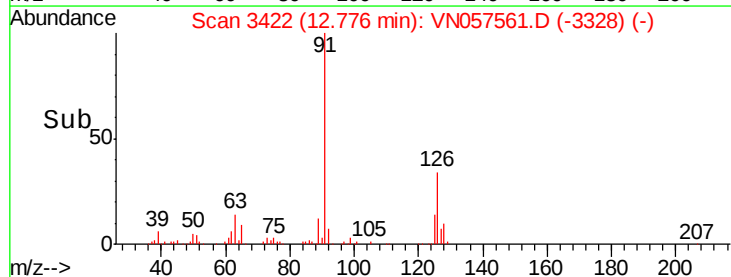
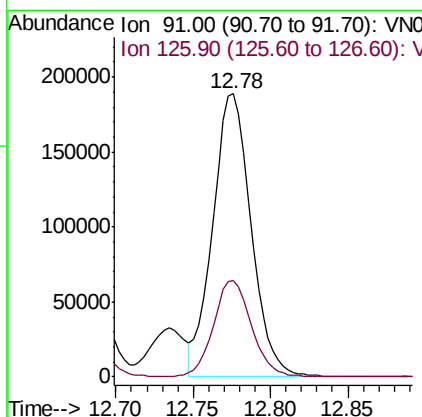
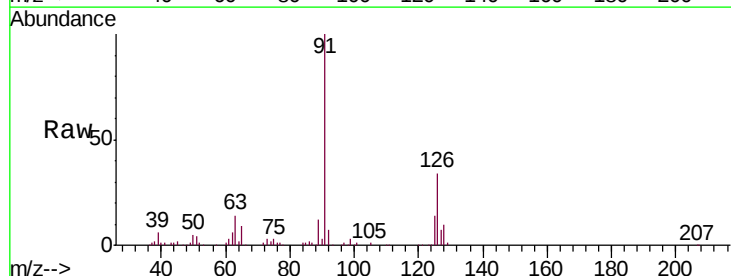
Instrument :
MSVOA_N
ClientSampleId :

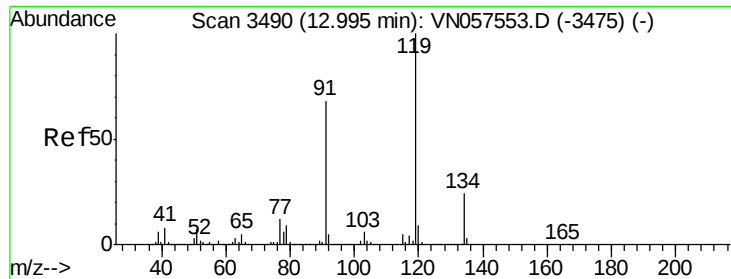
Tot Ion: 75 Resp: 32654
Ion Ratio Lower Upper
75 100
53 107.6 82.7 124.1
89 46.6 35.8 53.8



#82
4-Chlorotoluene
Concen: 20.404 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion: 91 Resp: 324164
Ion Ratio Lower Upper
91 100
126 34.0 15.0 45.0

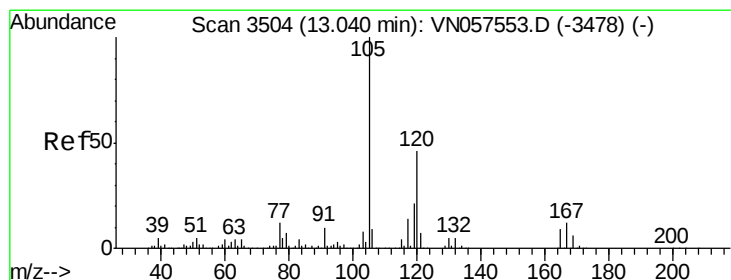
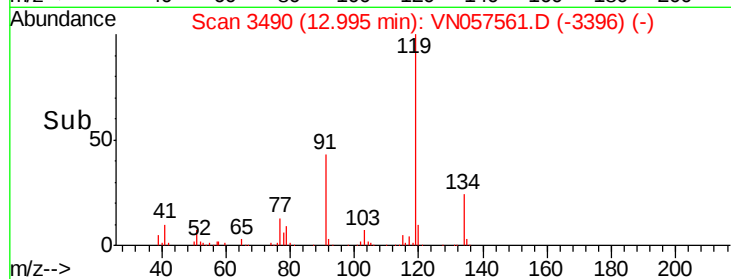
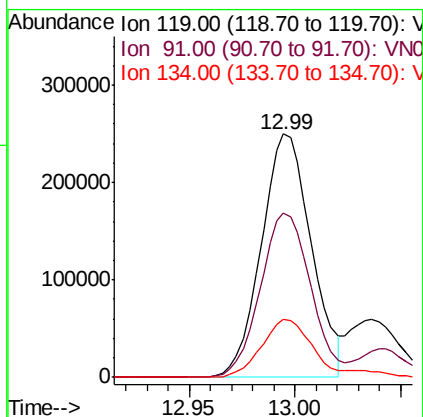
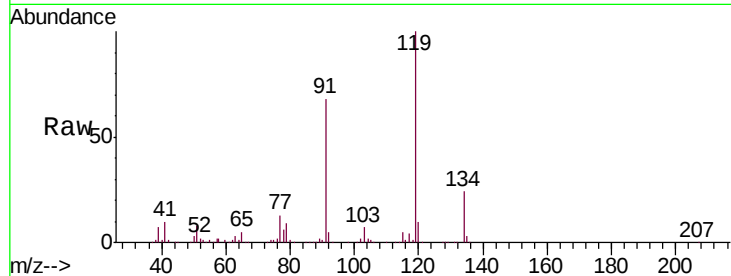




#83
tert-Butylbenzene
Concen: 22.973 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

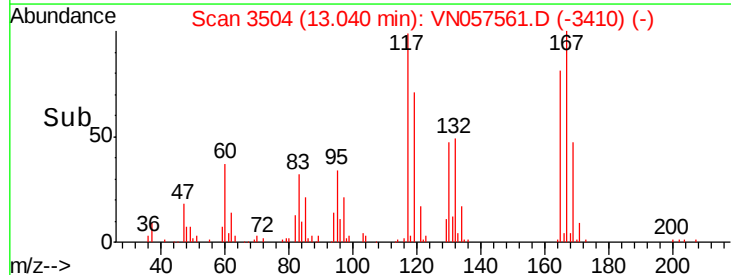
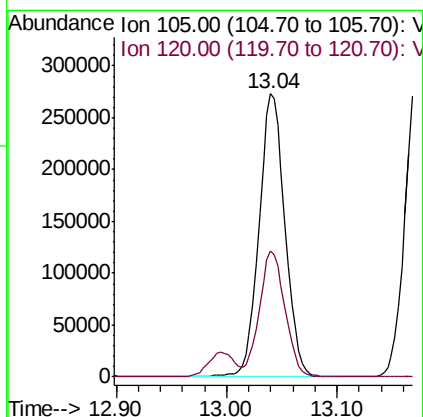
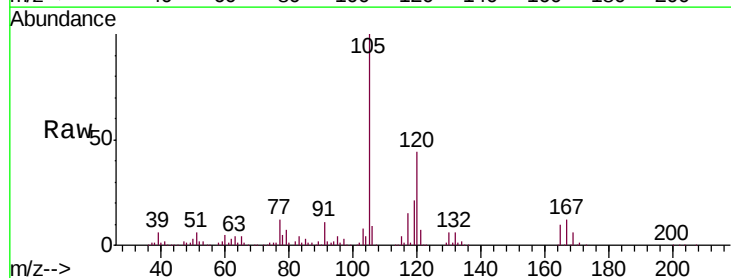
Instrument :
MSVOA_N
ClientSampleId :

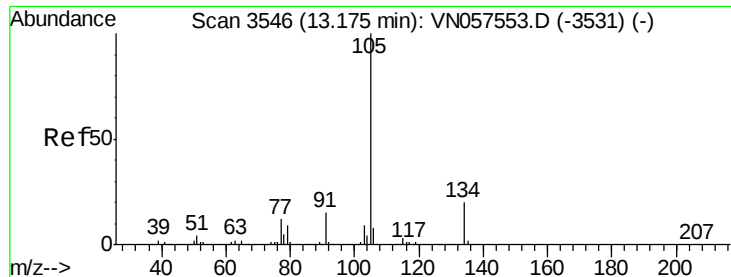
Tot Ion:119 Resp: 411802
Ion Ratio Lower Upper
119 100
91 68.1 37.0 111.0
134 25.7 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 22.293 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:105 Resp: 443999
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.256 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

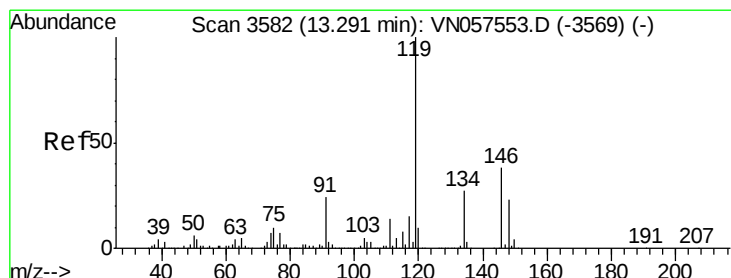
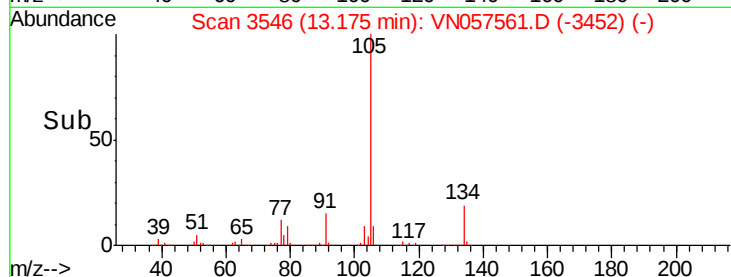
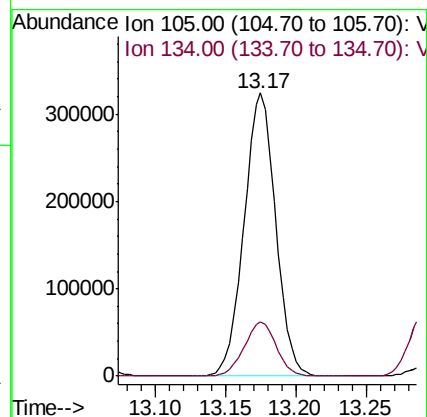
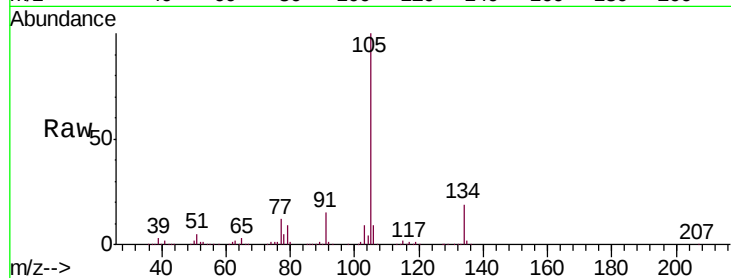
ClientSampleId :

Tot Ion:105 Resp: 508784

Ion Ratio Lower Upper

105 100

134 19.5 9.3 27.9



#86

p-Isopropyltoluene

Concen: 21.224 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

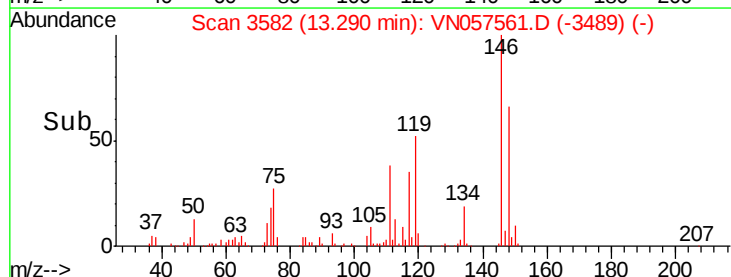
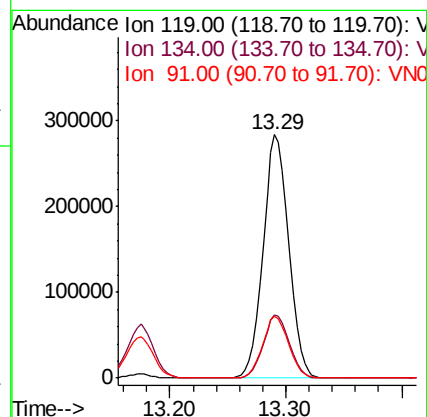
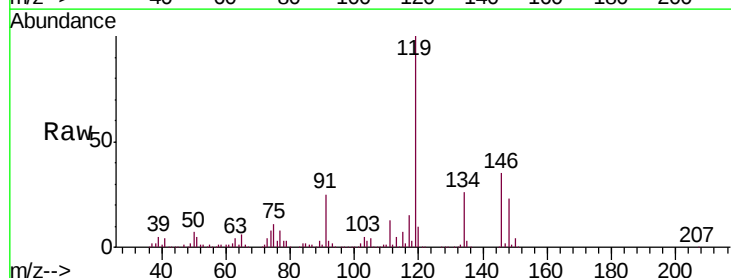
Tgt Ion:119 Resp: 436649

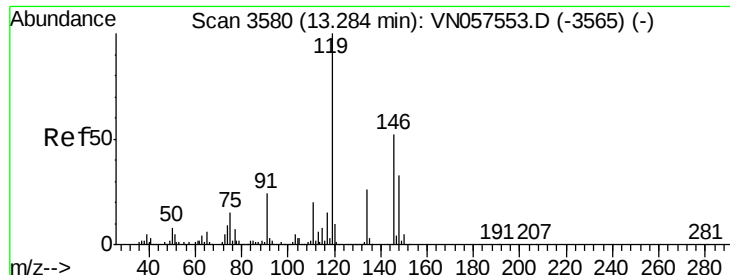
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

91 25.8 13.9 41.6

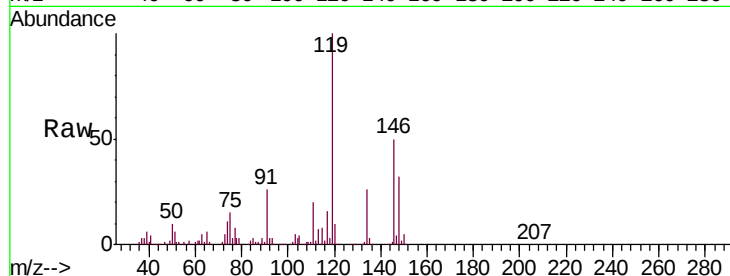




#87
 1,3-Dichlorobenzene
 Concen: 20.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	22.1	66.1
148	63.7	31.9	95.9

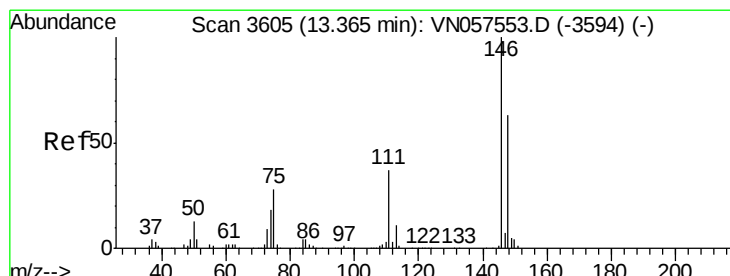
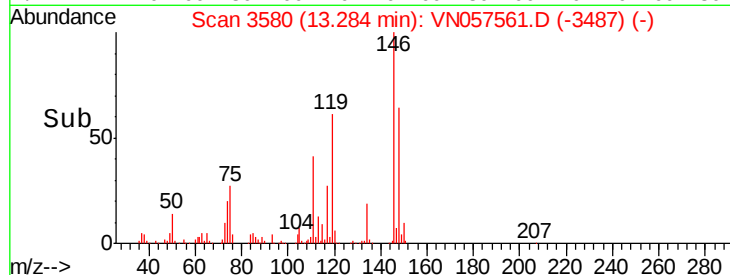
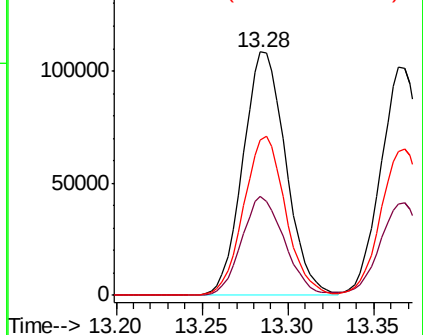


Abundance

Ion 145.90 (145.60 to 146.60): V

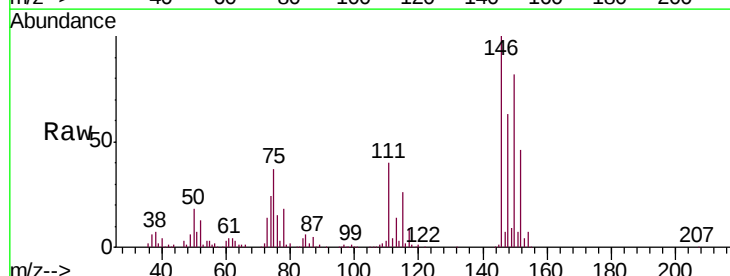
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 20.058 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.9	65.5
148	64.9	31.1	93.2

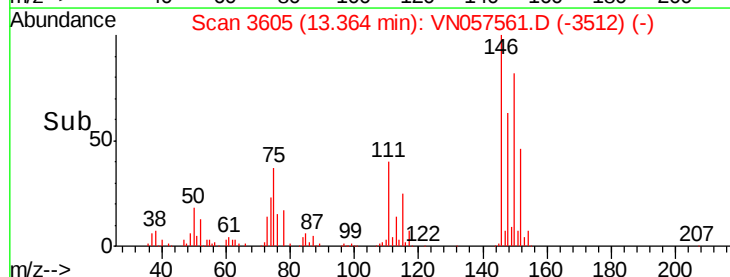
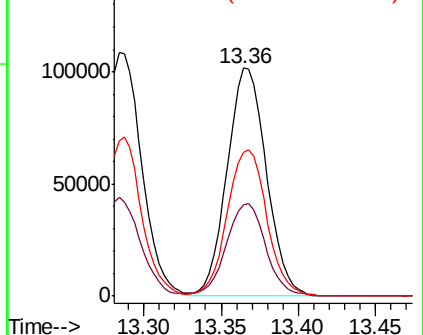


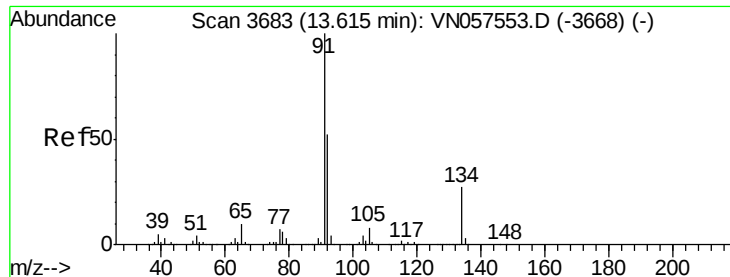
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.576 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampled :

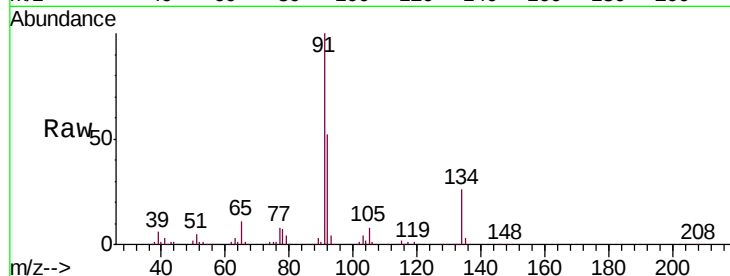
Tot Ion: 91 Resp: 320672

Ion Ratio Lower Upper

91 100

92 52.7 25.7 77.0

134 26.3 11.4 34.1

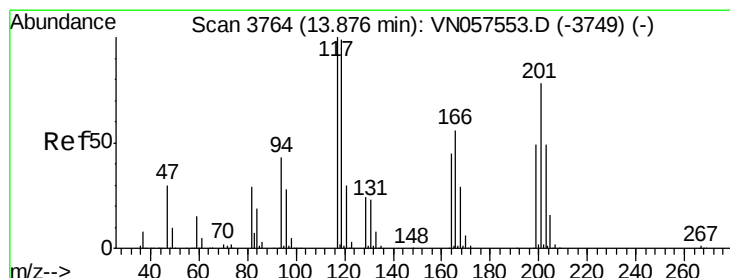
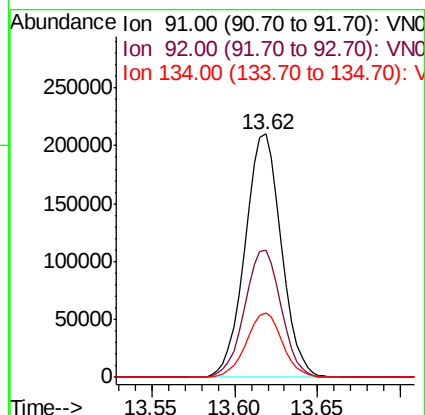
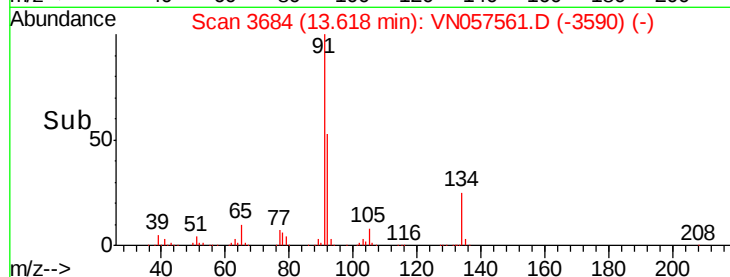


Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057553.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057553.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 18.514 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057561.D

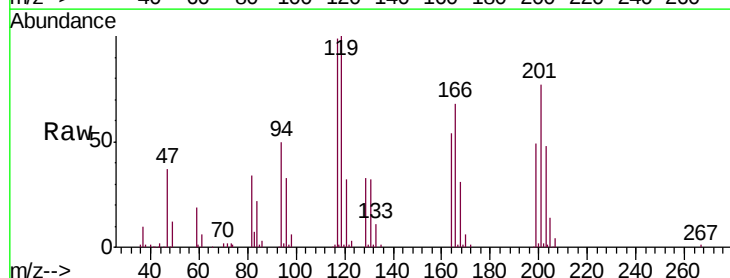
Acq: 29 Aug 2019 20:27

Tgt Ion: 117 Resp: 80153

Ion Ratio Lower Upper

117 100

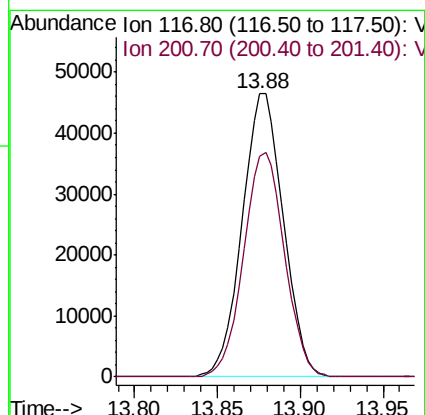
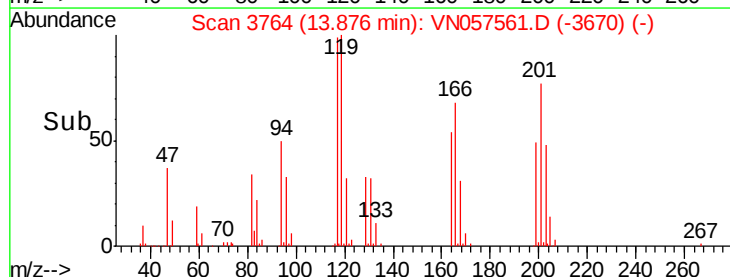
201 78.8 33.1 99.3

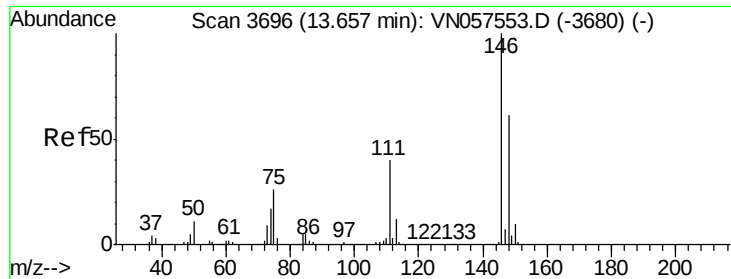


Abundance Ion 116.80 (116.50 to 117.50): VN057553.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057553.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.572 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

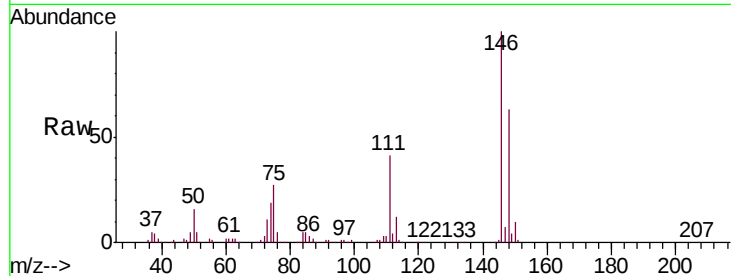
Tot Ion:146 Resp: 187575

Ion Ratio Lower Upper

146 100

111 41.5 23.1 69.2

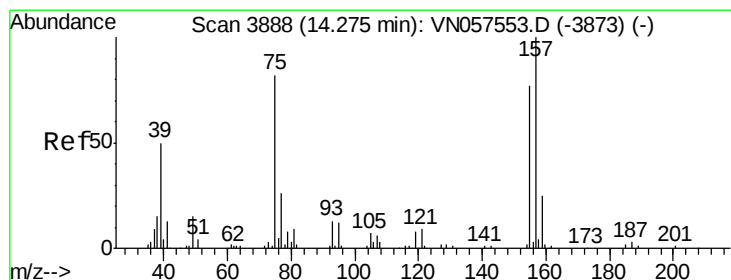
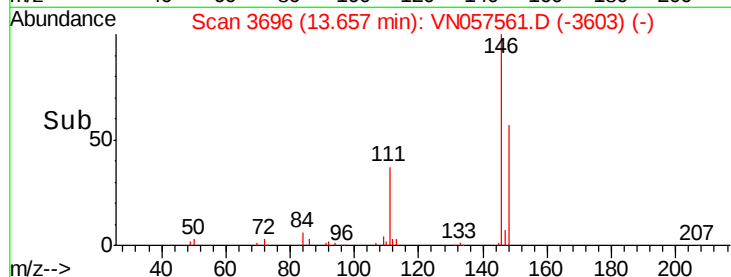
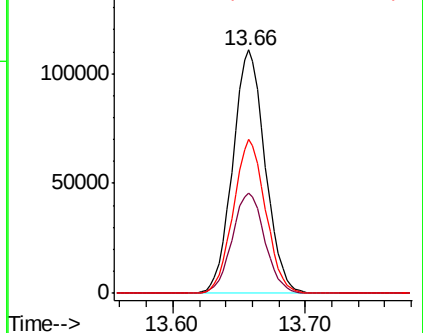
148 62.9 31.8 95.4



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: 19.068 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057561.D

Acq: 29 Aug 2019 20:27

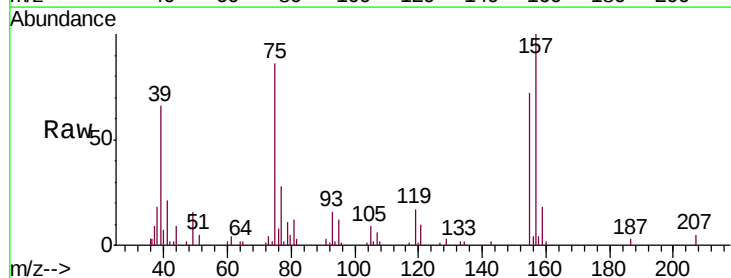
Tgt Ion: 75 Resp: 18600

Ion Ratio Lower Upper

75 100

155 87.1 31.6 94.7

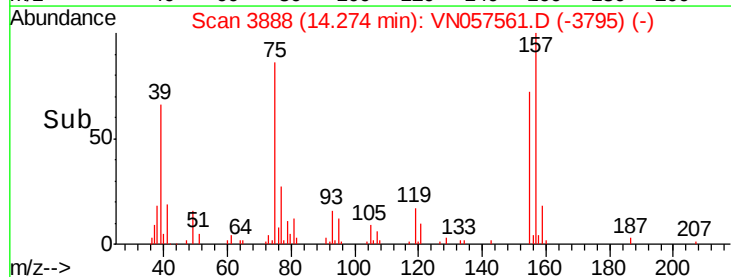
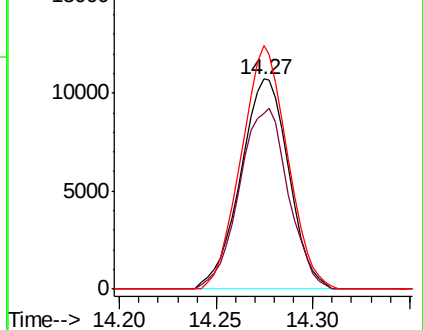
157 111.1 43.3 129.8

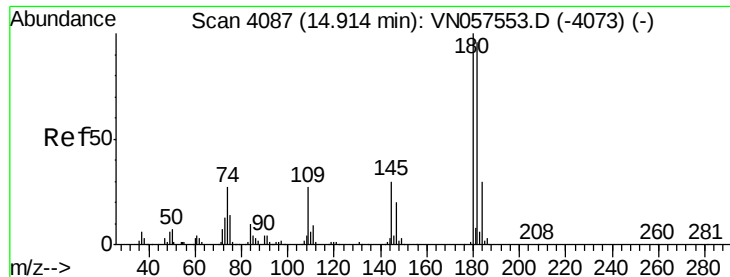


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

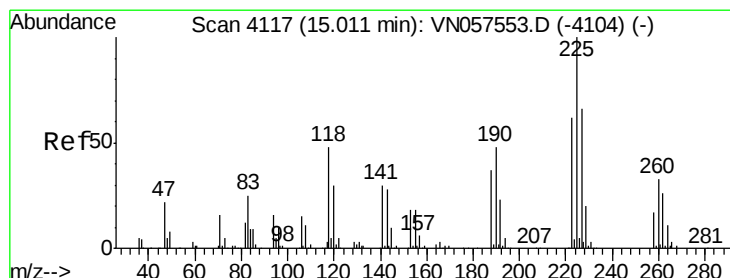
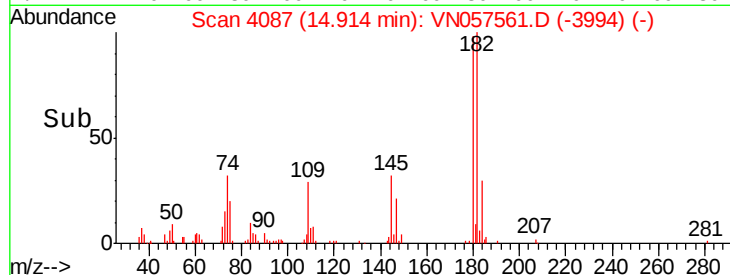
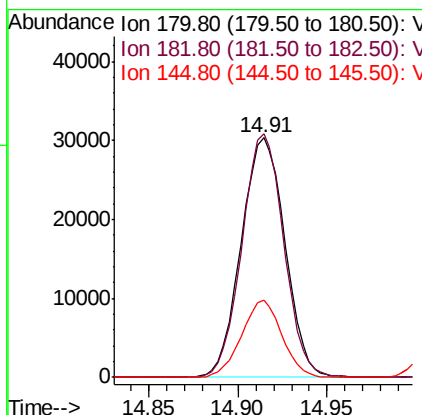
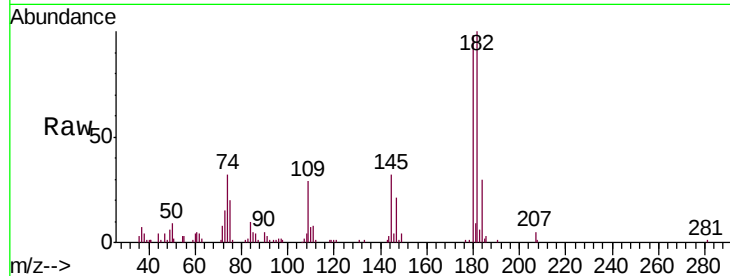




#93
 1,2,4-Trichlorobenzene
 Concen: 17.075 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

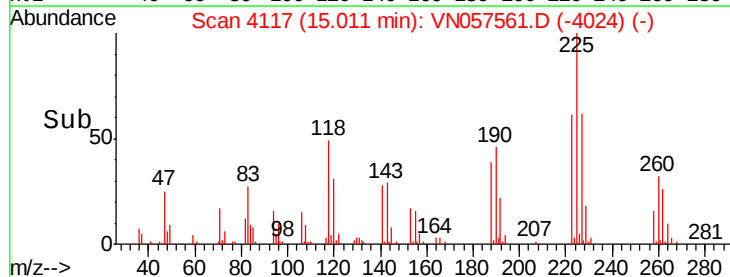
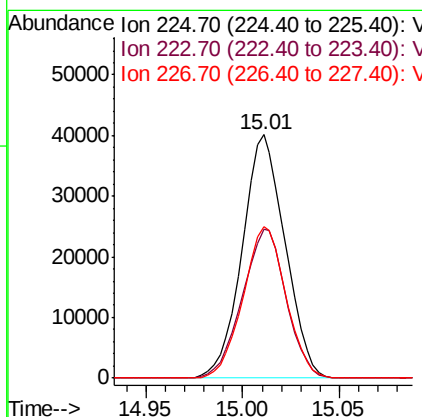
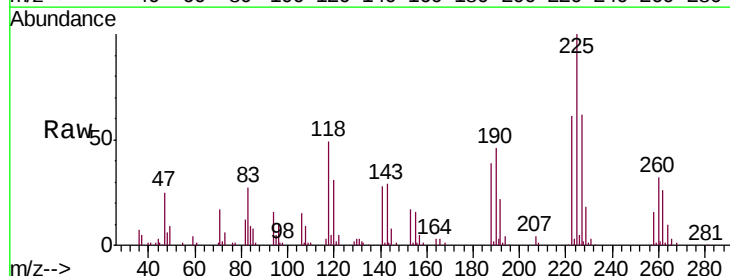
Instrument :
 MSVOA_N
 ClientSampleId :

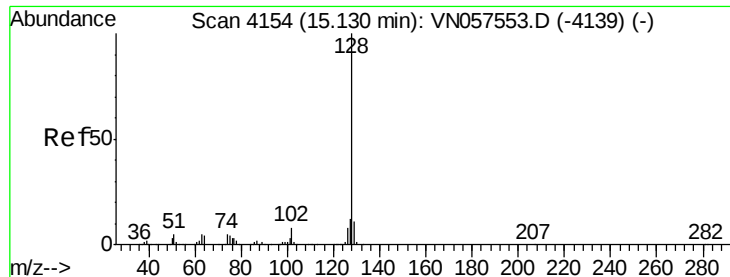
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.7	140.1
145	29.8	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 21.586 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057561.D
 Acq: 29 Aug 2019 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.0	96.2
227	61.8	31.5	94.5

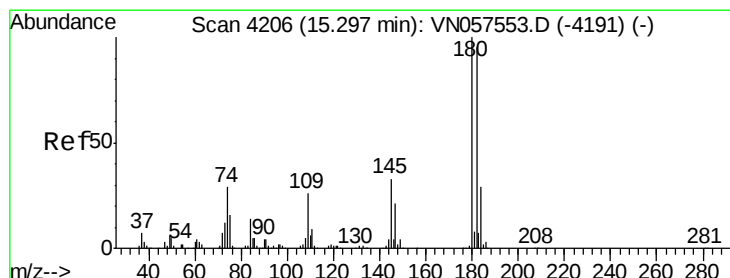
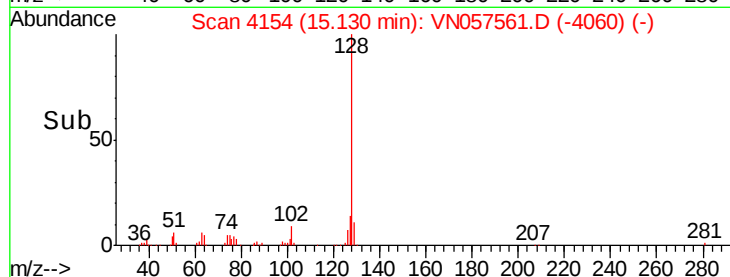
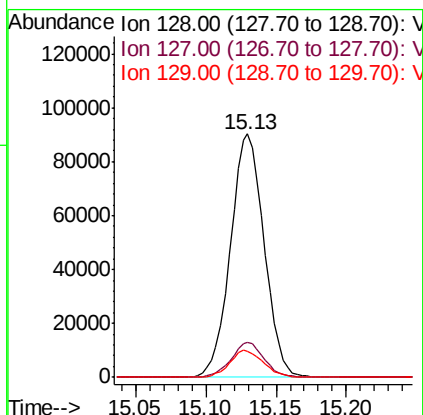
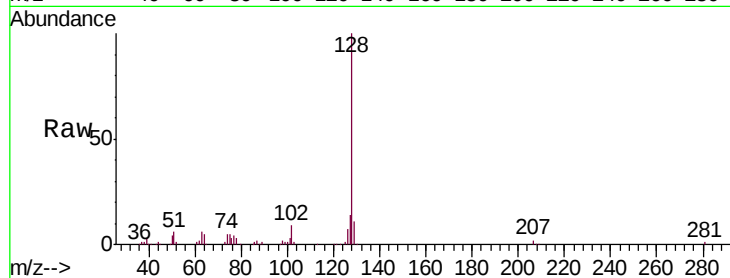




#95
Naphthalene
Concen: 17.503 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 150594
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.042 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057561.D
Acq: 29 Aug 2019 20:27

Tgt Ion:180 Resp: 50083
Ion Ratio Lower Upper
180 100
182 96.4 46.7 140.1
145 33.3 16.8 50.3

