

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057555.D
 Acq On : 29 Aug 2019 17:29
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	607800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	945705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	1277417	121.98	ug/l	0.00
Spiked Amount			Recovery	=	243.96%	
35) Dibromofluoromethane	7.58	113	1186269	174.59	ug/l	0.00
Spiked Amount			Recovery	=	349.18%	
50) Toluene-d8	10.08	98	3927484	152.34	ug/l	0.00
Spiked Amount			Recovery	=	304.68%	
62) 4-Bromofluorobenzene	12.40	95	1684278	192.62	ug/l	0.00
Spiked Amount			Recovery	=	385.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1035265	145.899	ug/l	96
3) Chloromethane	2.05	50	874115	89.879	ug/l	97
4) Vinyl Chloride	2.18	62	1300392	107.471	ug/l	100
5) Bromomethane	2.52	94	1189543	149.533	ug/l	99
6) Chloroethane	2.68	64	796627	101.430	ug/l	97
7) Trichlorofluoromethane	3.00	101	2580940	130.784	ug/l	100
8) Diethyl Ether	3.40	74	825853	113.555	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1507390	135.976	ug/l #	83
10) Methyl Iodide	3.93	142	2608293	251.881	ug/l	92
11) Tert butyl alcohol	4.81	59	657085	519.339	ug/l	96
12) 1,1-Dichloroethene	3.71	96	1453863	136.398	ug/l #	73
13) Acrolein	3.59	56	502742	457.915	ug/l	97
14) Allyl chloride	4.30	41	1147915	81.367	ug/l #	85
15) Acrylonitrile	4.97	53	1718060	503.527	ug/l	98
16) Acetone	3.81	43	2379747	470.414	ug/l	94
17) Carbon Disulfide	4.02	76	2244263	116.545	ug/l	99
18) Methyl Acetate	4.31	43	777465	65.007	ug/l #	80
19) Methyl tert-butyl Ether	5.03	73	3118179	125.894	ug/l #	88
20) Methylene Chloride	4.53	84	1009414	126.780	ug/l #	75
21) trans-1,2-Dichloroethene	5.01	96	1055012	143.363	ug/l #	76
22) Diisopropyl ether	5.94	45	2639393	94.832	ug/l #	91
23) Vinyl Acetate	5.88	43	8525650	390.179	ug/l #	58
24) 1,1-Dichloroethane	5.83	63	1736173	114.402	ug/l	96
25) 2-Butanone	6.83	43	2186843	434.474	ug/l #	76
26) 2,2-Dichloropropane	6.81	77	1793742	132.596	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	1275015	145.525	ug/l	78
28) Bromochloromethane	7.18	49	729551	93.162	ug/l #	33
29) Tetrahydrofuran	7.20	42	1350608	410.959	ug/l #	67
30) Chloroform	7.36	83	2143801	131.793	ug/l	99
31) Cyclohexane	7.64	56	1480425	103.214	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	2055613	151.041	ug/l #	92
36) 1,1-Dichloropropene	7.78	75	1520867	153.446	ug/l	93
37) Ethyl Acetate	6.92	43	915775	99.986	ug/l #	90
38) Carbon Tetrachloride	7.76	117	1837412	180.945	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1954771	164.428	ug/l #	82
40) Benzene	8.03	78	4217793	141.476	ug/l #	90
41) Methacrylonitrile	7.16	41	448503	103.519	ug/l #	86
42) 1,2-Dichloroethane	8.11	62	1538598	135.876	ug/l	95
43) Isopropyl Acetate	8.16	43	1780265	105.382	ug/l #	88
44) Trichloroethene	8.83	130	1363947	197.383	ug/l	83
45) 1,2-Dichloropropane	9.11	63	1049425	128.617	ug/l	99
46) Dibromomethane	9.20	93	856140	158.735	ug/l #	84
47) Bromodichloromethane	9.40	83	1801123	161.428	ug/l	99
48) Methyl methacrylate	9.19	41	810656	101.517	ug/l #	75
49) 1,4-Dioxane	9.20	88	331860	3035.337	ug/l #	69
51) 4-Methyl-2-Pentanone	9.98	43	3989155	425.147	ug/l #	69
52) Toluene	10.15	92	3018611	171.068	ug/l	75
53) t-1,3-Dichloropropene	10.38	75	1845863	159.215	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1961229	152.599	ug/l #	82
55) 1,1,2-Trichloroethane	10.56	97	1213970	170.930	ug/l	94
56) Ethyl methacrylate	10.43	69	1635550	152.032	ug/l #	76
57) 1,3-Dichloropropane	10.71	76	1860268	154.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2218834	872.326	ug/l #	77
59) 2-Hexanone	10.75	43	3140565	487.048	ug/l	76
60) Dibromochloromethane	10.90	129	1566960	204.212	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1329608	188.976	ug/l	97
64) Tetrachloroethene	10.63	164	1310273	188.585	ug/l	94
65) Chlorobenzene	11.43	112	3262855	165.621	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.51	131	1453639	191.351	ug/l	97
67) Ethyl Benzene	11.51	91	4317451	115.335	ug/l #	44
68) m/p-Xylenes	11.62	106	4232619	325.386	ug/l #	50
69) o-Xylene	11.95	106	2380494	185.528	ug/l	62
70) Styrene	11.96	104	3568521	175.407	ug/l	93
71) Bromoform	12.13	173	1143544	221.598	ug/l #	99
73) Isopropylbenzene	12.25	105	4419491	73.864	ug/l #	68
74) N-amyl acetate	12.07	43	1601693	62.545	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.51	83	1504253	87.657	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1919703	144.686	ug/l #	100
77) Bromobenzene	12.53	156	1698280	139.743	ug/l	63
78) n-propylbenzene	12.59	91	4539661	72.058	ug/l #	60
79) 2-Chlorotoluene	12.68	91	3538765	94.262	ug/l	74
80) 1,3,5-Trimethylbenzene	12.73	105	4047161	85.399	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.30	75	487272	96.616	ug/l	85
82) 4-Chlorotoluene	12.68	91	3538457	98.608	ug/l	73
83) tert-Butylbenzene	12.99	119	3882654	91.696	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	3987377	94.839	ug/l	72
85) sec-Butylbenzene	13.17	105	4313335	83.578	ug/l #	72
86) p-Isopropyltoluene	13.29	119	4108616	96.461	ug/l #	81
87) 1,3-Dichlorobenzene	13.29	146	2789720	156.198	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	2733620	157.005	ug/l	93
89) n-Butylbenzene	13.62	91	3561187	100.938	ug/l #	76
90) Hexachloroethane	13.88	117	1088613	112.835	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	2668779	156.676	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	266097	96.334	ug/l #	55

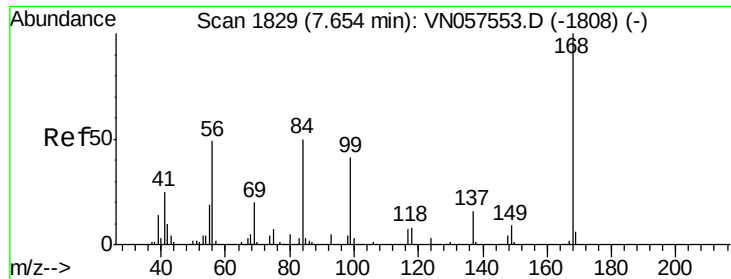
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1362603	218.703	ug/l	98
94) Hexachlorobutadiene	15.01	225	785554	147.898	ug/l	99
95) Naphthalene	15.13	128	3244395	160.659	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1333449	206.572	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

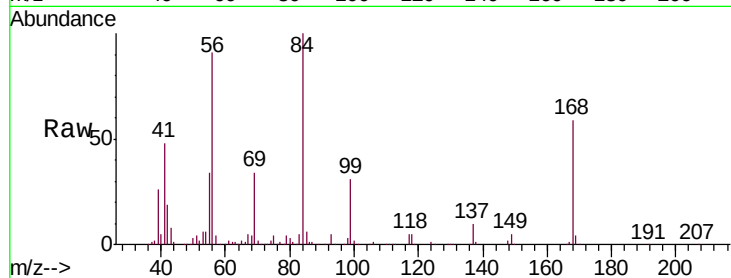
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 607800

Ion Ratio Lower Upper

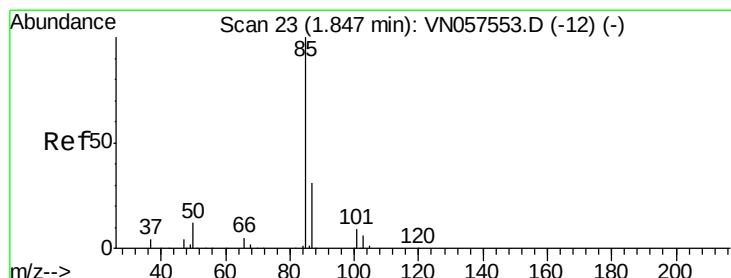
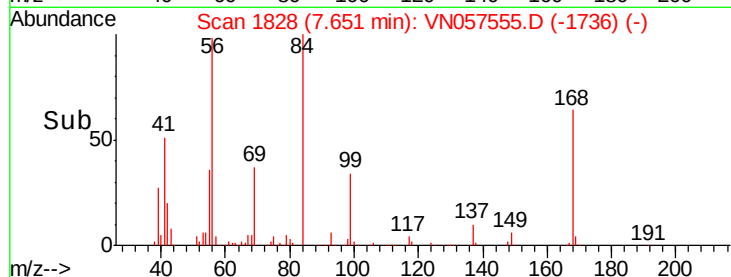
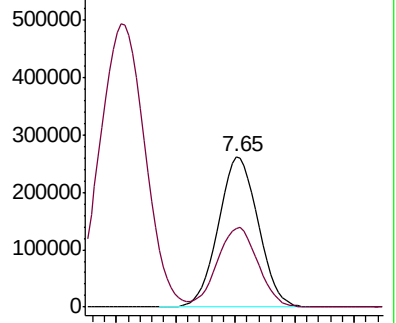
168 100

99 52.3 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 145.899 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057555.D

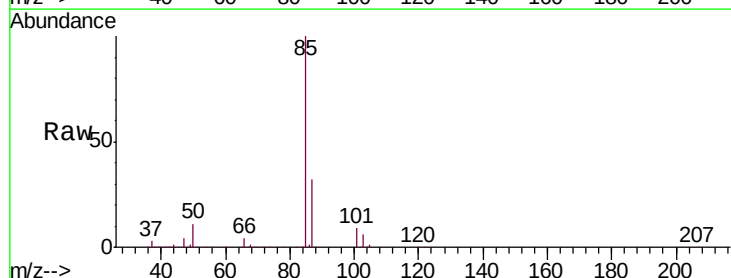
Acq: 29 Aug 2019 17:29

Tgt Ion: 85 Resp: 1035265

Ion Ratio Lower Upper

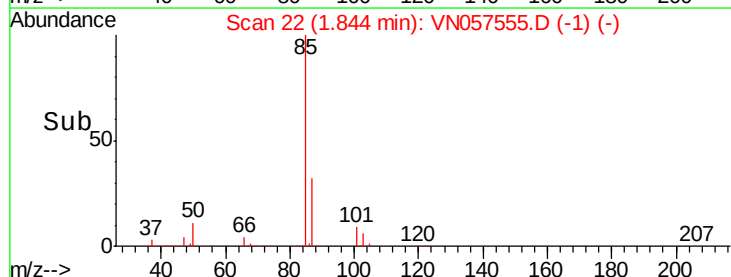
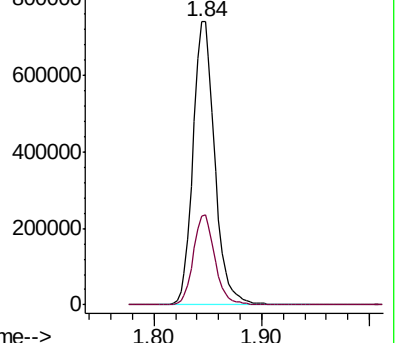
85 100

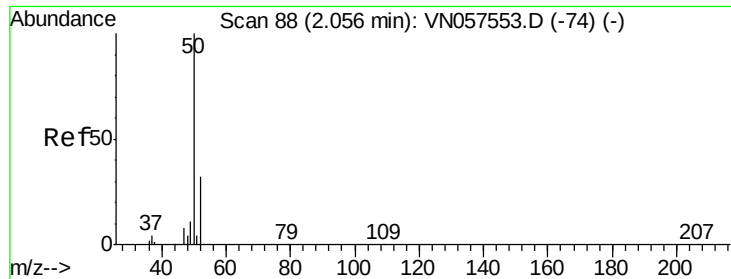
87 31.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 89.879 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

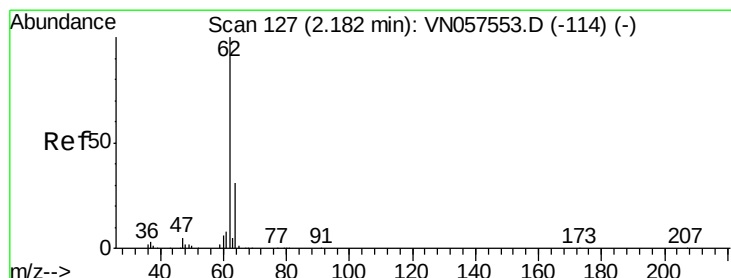
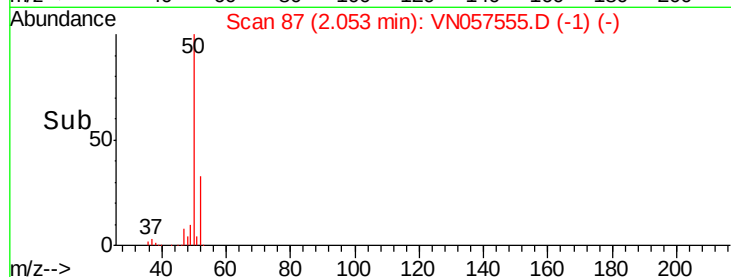
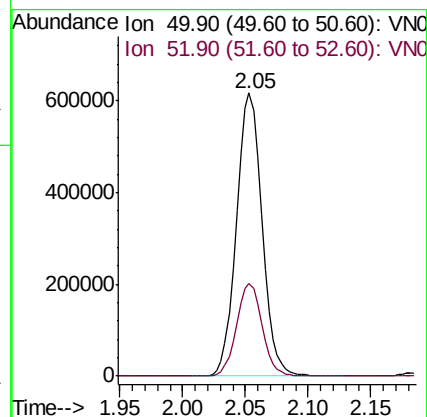
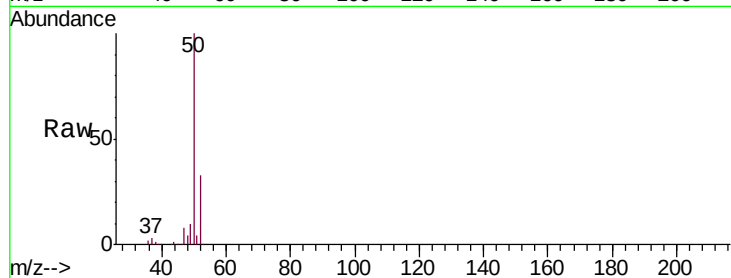
ClientSampleId :

Tot Ion: 50 Resp: 874115

Ion Ratio Lower Upper

50 100

52 33.0 25.1 37.7



#4

Vinyl Chloride

Concen: 107.471 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057555.D

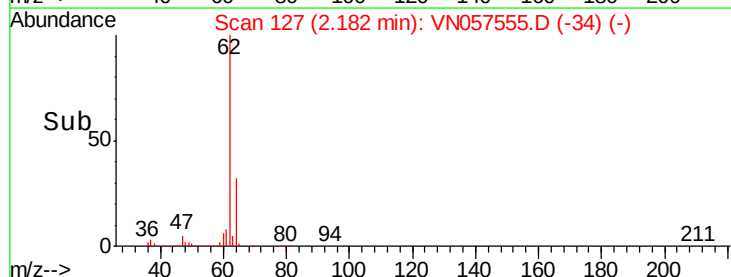
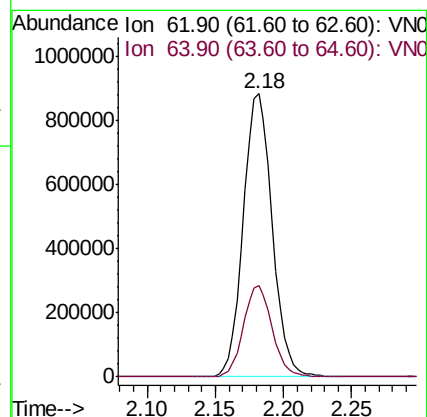
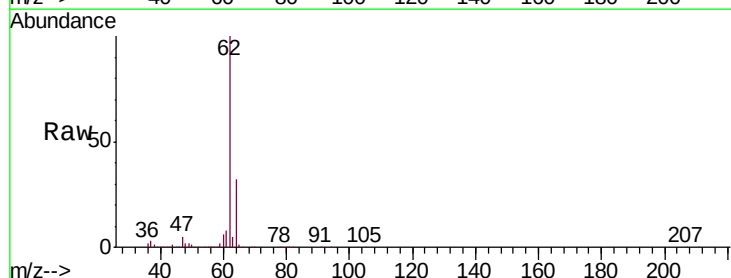
Acq: 29 Aug 2019 17:29

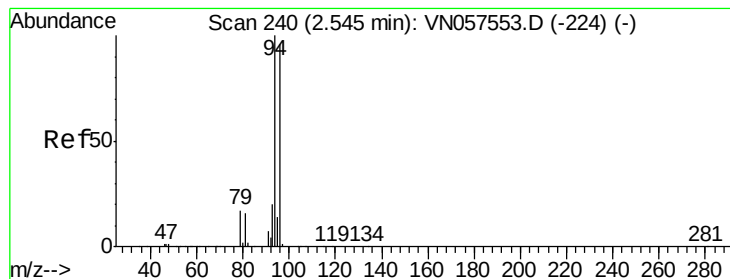
Tgt Ion: 62 Resp: 1300392

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 149.533 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

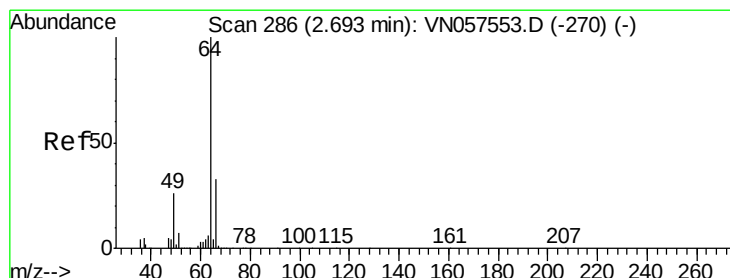
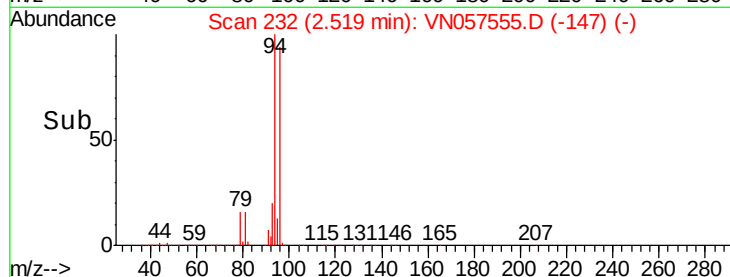
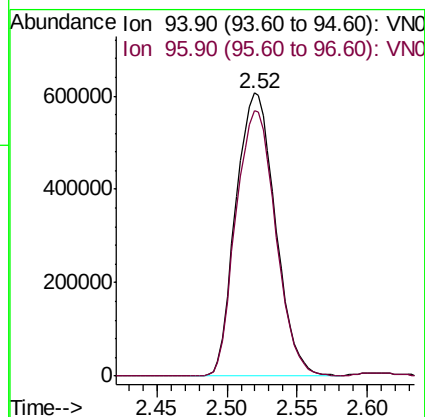
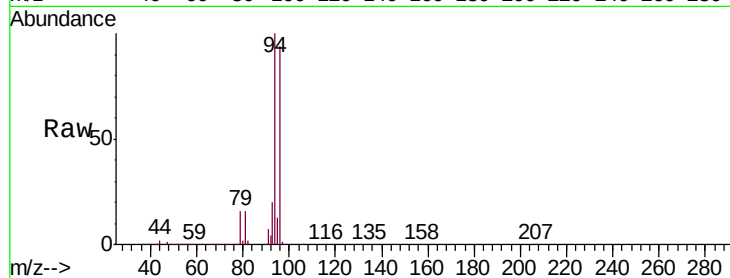
ClientSampleId :

Tot Ion: 94 Resp: 1189543

Ion Ratio Lower Upper

94 100

96 93.9 76.2 114.4



#6

Chloroethane

Concen: 101.430 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.02 min

Lab File: VN057555.D

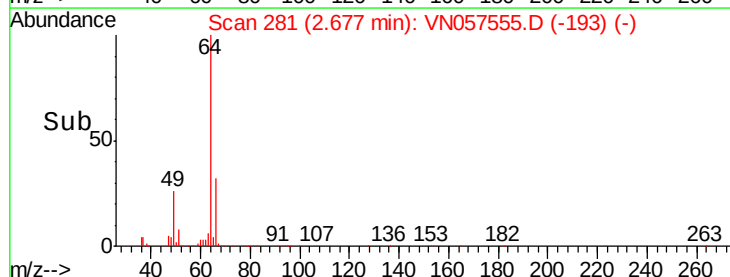
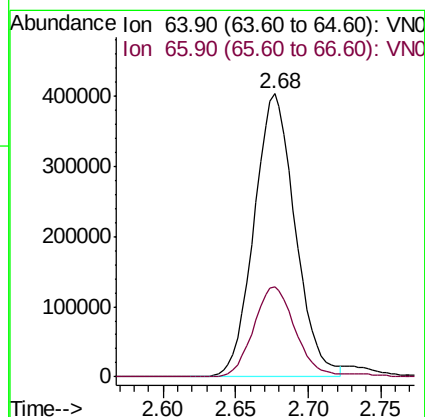
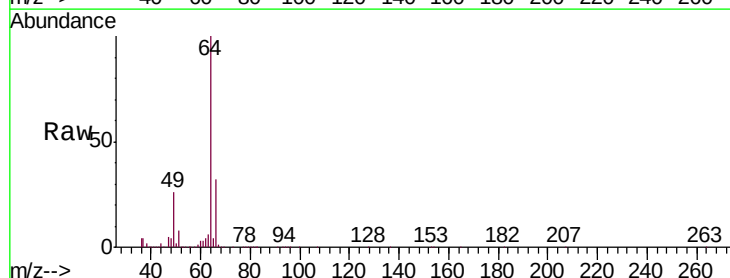
Acq: 29 Aug 2019 17:29

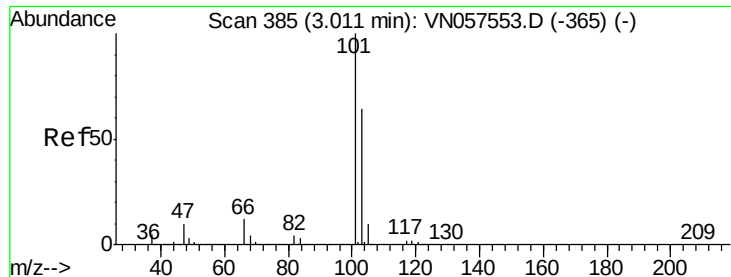
Tgt Ion: 64 Resp: 796627

Ion Ratio Lower Upper

64 100

66 31.7 26.8 40.2



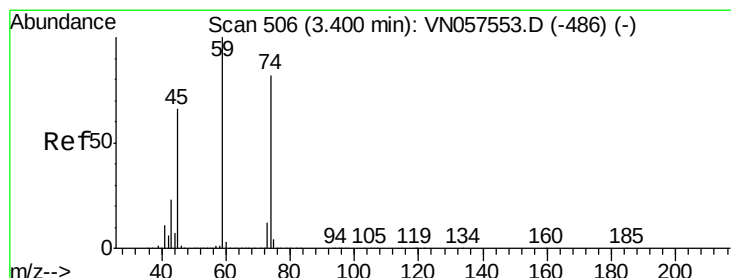
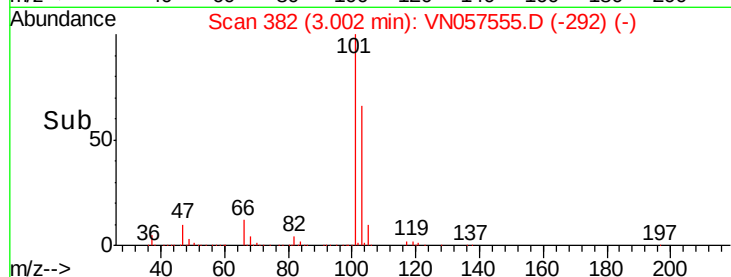
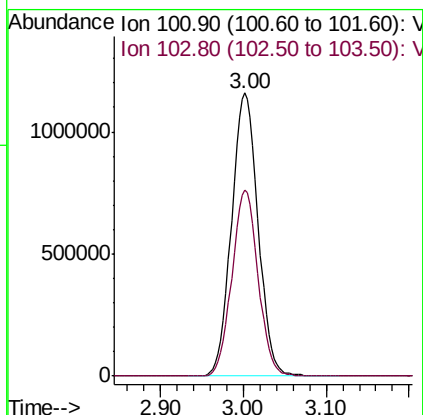
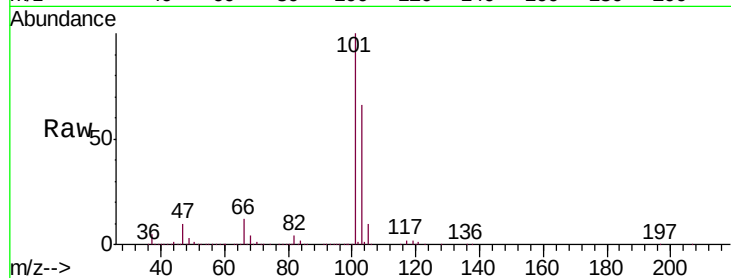


#7

Trichlorofluoromethane
Concen: 130.784 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :

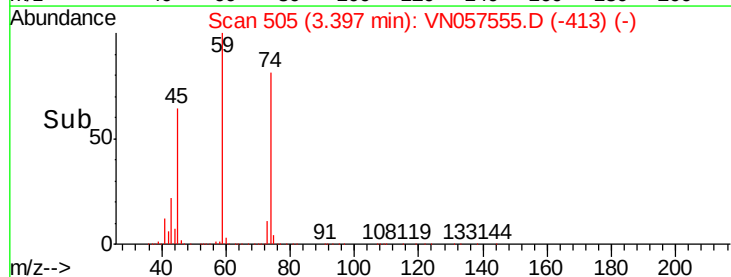
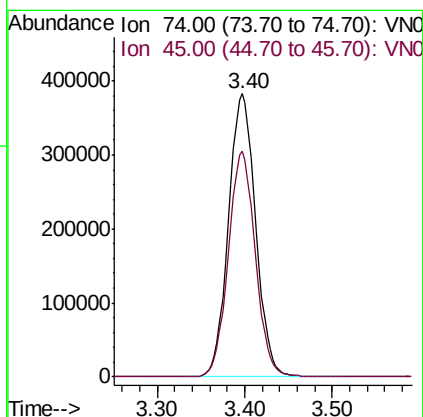
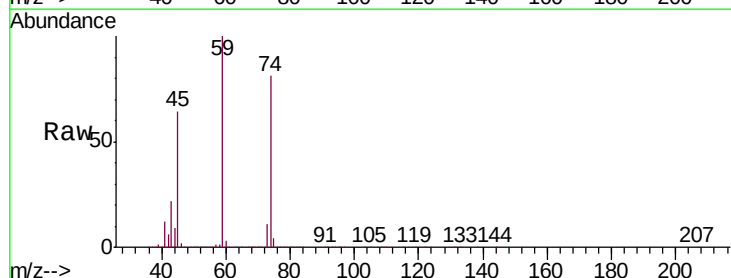
Tot Ion:101 Resp: 2580940
Ion Ratio Lower Upper
101 100
103 65.8 52.6 78.8

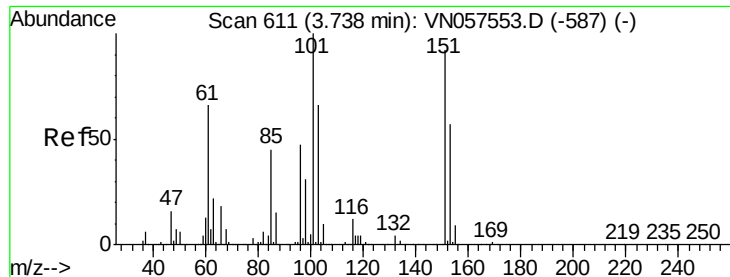


#8

Diethyl Ether
Concen: 113.555 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 74 Resp: 825853
Ion Ratio Lower Upper
74 100
45 78.4 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.976 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

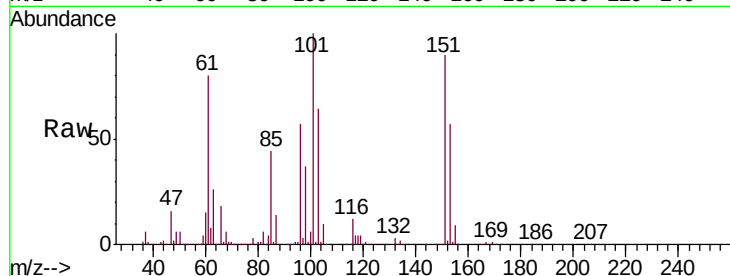
Tot Ion:101 Resp: 1507390

Ion Ratio Lower Upper

101 100

85 43.3 40.0 60.0

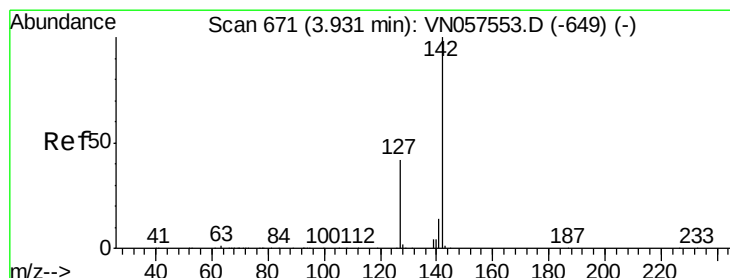
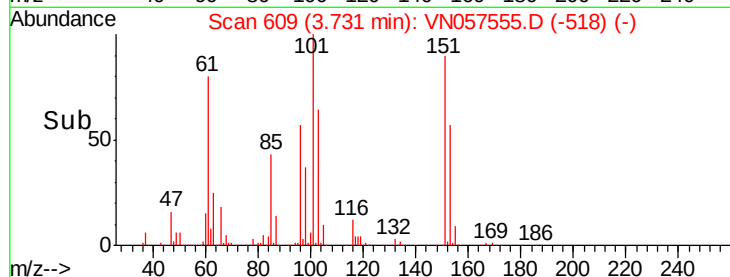
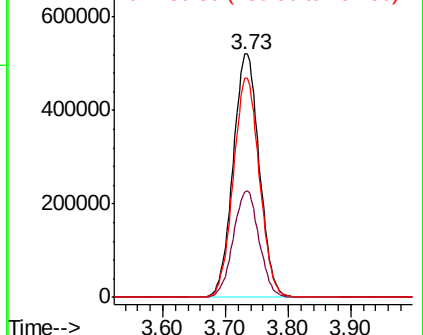
151 89.8 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 251.881 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

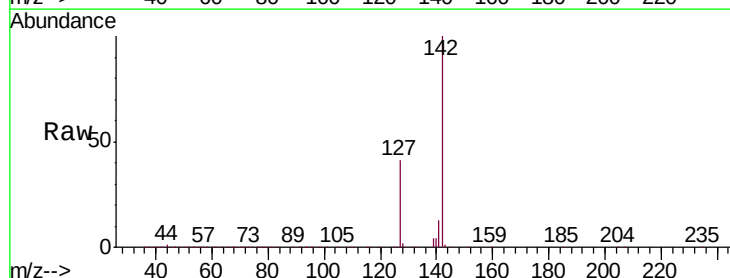
Tgt Ion:142 Resp: 2608293

Ion Ratio Lower Upper

142 100

127 40.9 37.8 56.8

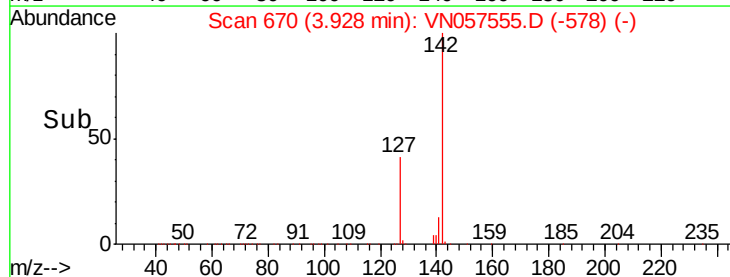
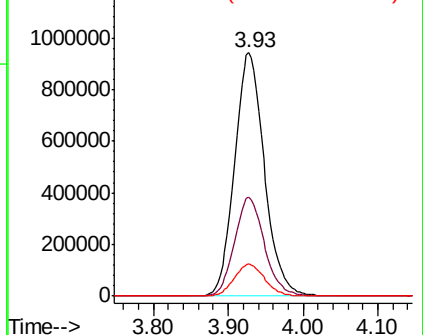
141 13.5 11.9 17.9

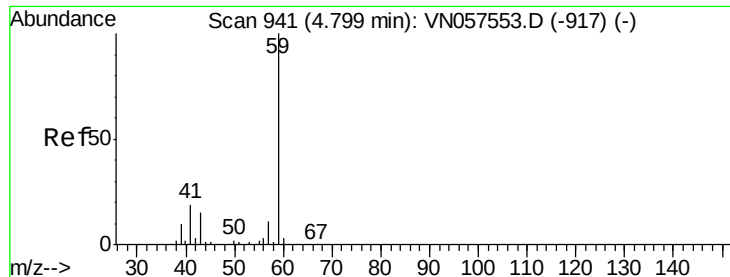


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

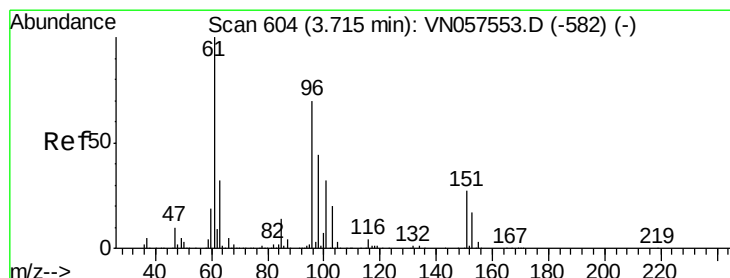
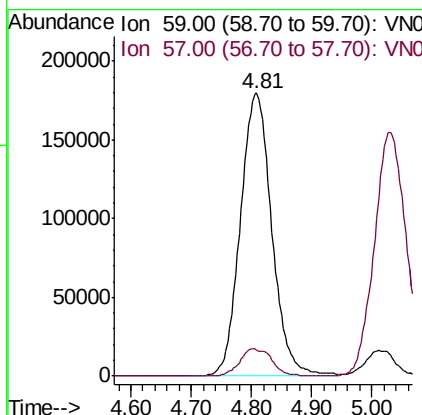
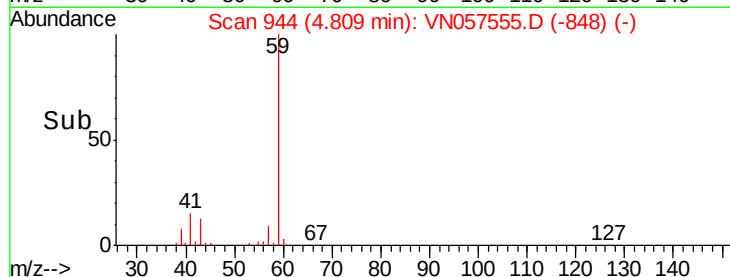
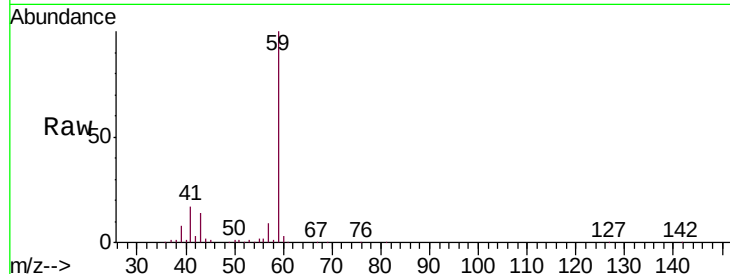




#11
Tert butyl alcohol
Concen: 519.339 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.01 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

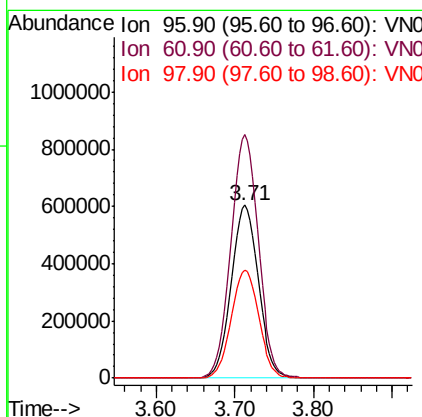
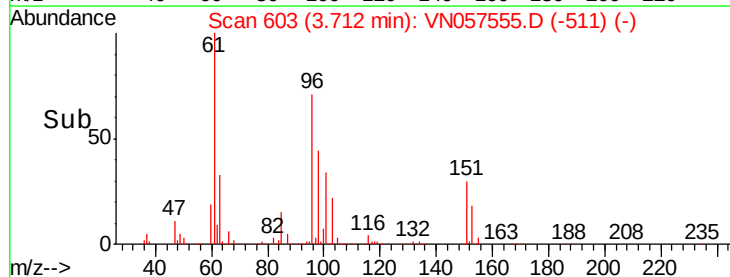
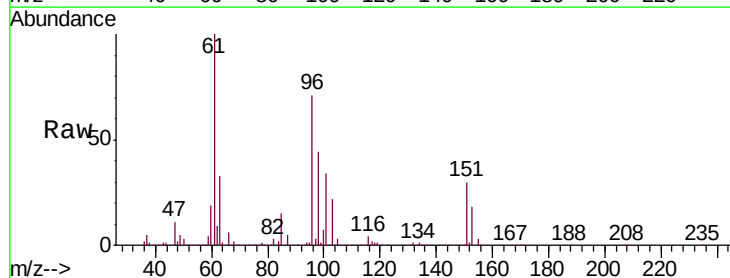
Instrument :
MSVOA_N
ClientSampleId :

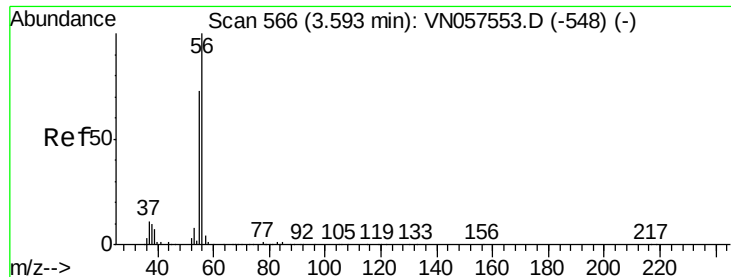
Tot Ion: 59 Resp: 657085
Ion Ratio Lower Upper
59 100
57 10.0 9.1 13.7



#12
1,1-Dichloroethene
Concen: 136.398 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 96 Resp: 1453863
Ion Ratio Lower Upper
96 100
61 140.8 155.3 232.9#
98 62.5 50.2 75.2





#13

Acrolein

Concen: 457.915 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

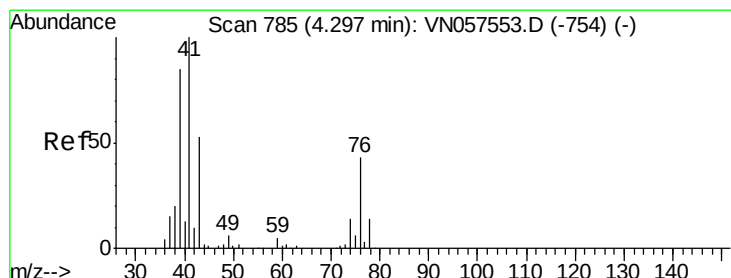
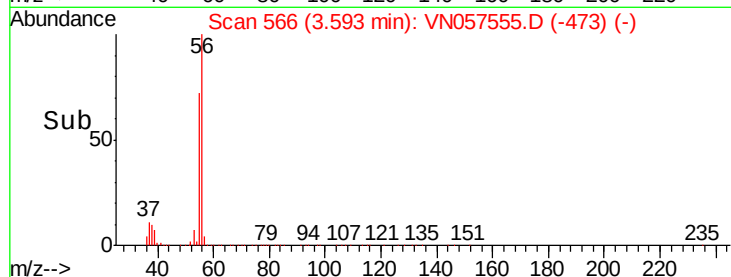
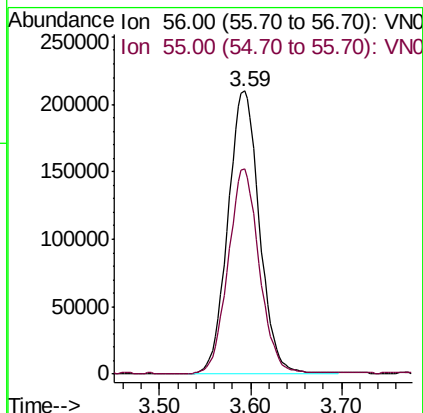
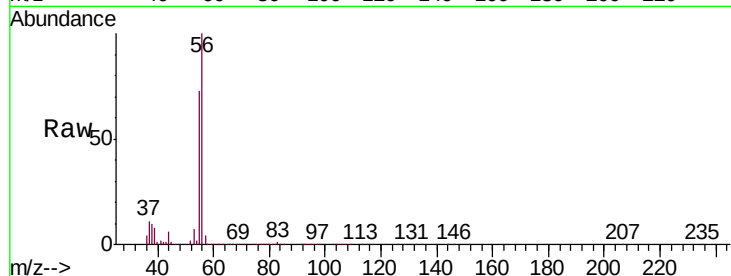
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 502742

Ion Ratio Lower Upper

56 100

55 71.5 59.0 88.4



#14

Allyl chloride

Concen: 81.367 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

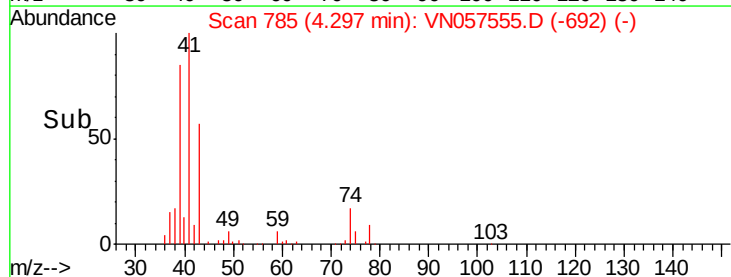
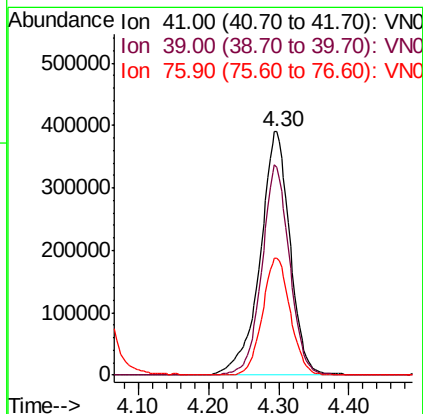
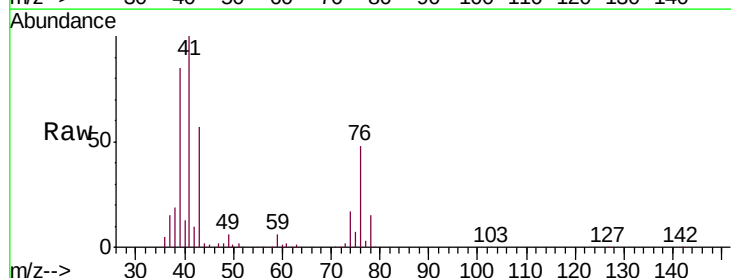
Tgt Ion: 41 Resp: 1147915

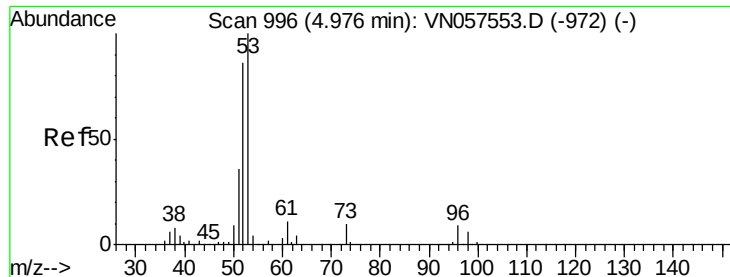
Ion Ratio Lower Upper

41 100

39 79.7 57.4 86.2

76 44.7 22.9 34.3#





#15

Acrylonitrile

Concen: 503.527 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

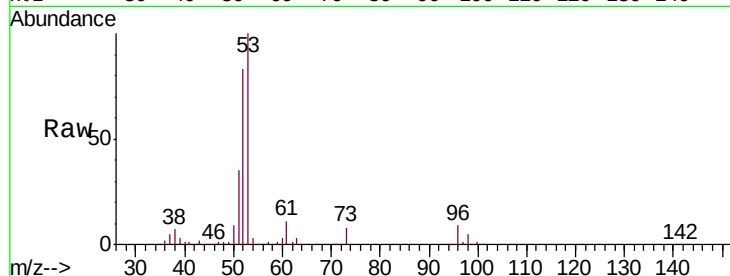
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1718060

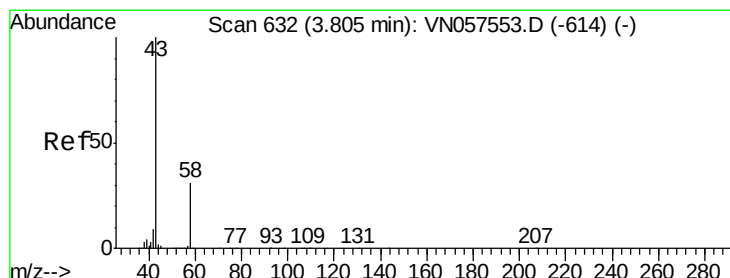
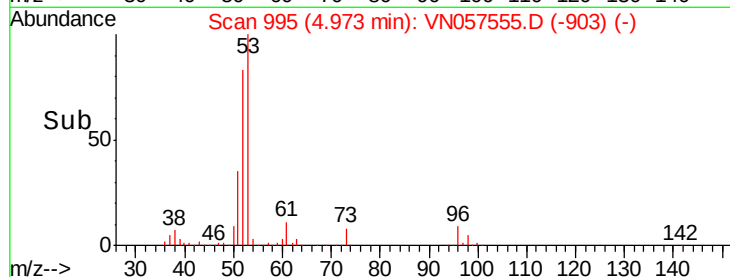
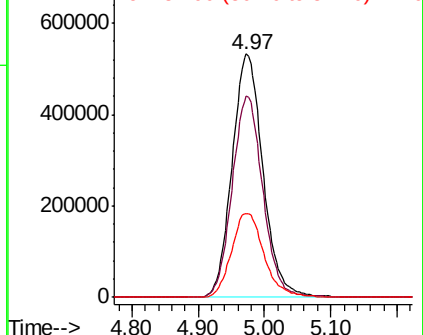
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.0	100.6
51	36.7	29.9	44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 470.414 ug/l

RT: 3.81 min Scan# 633

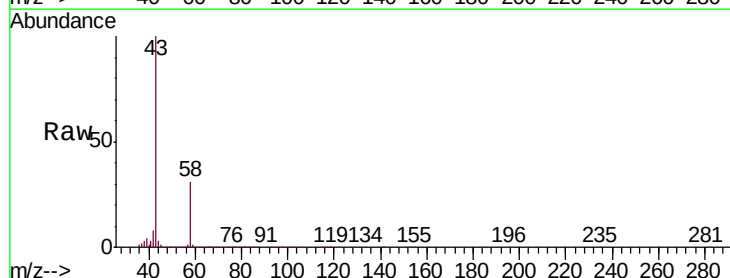
Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

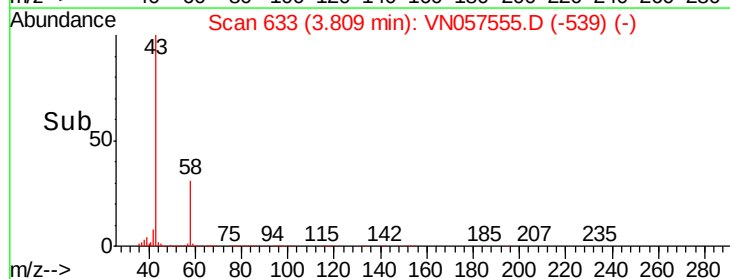
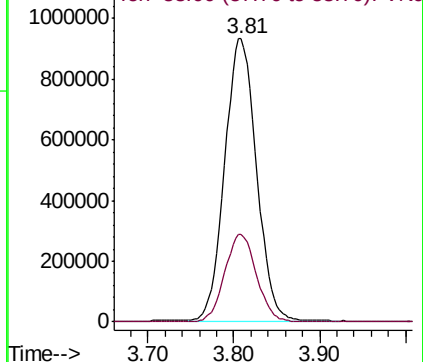
Tgt Ion: 43 Resp: 2379747

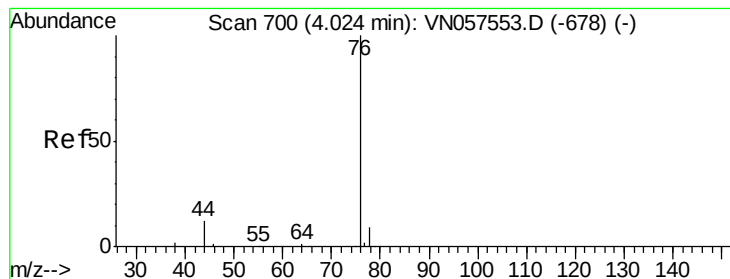
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.1	33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 116.545 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

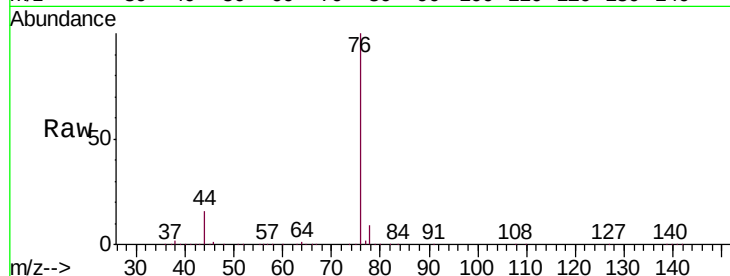
ClientSampleId :

Tot Ion: 76 Resp: 2244263

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

800000

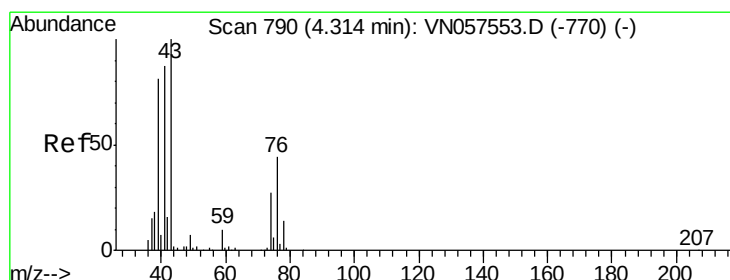
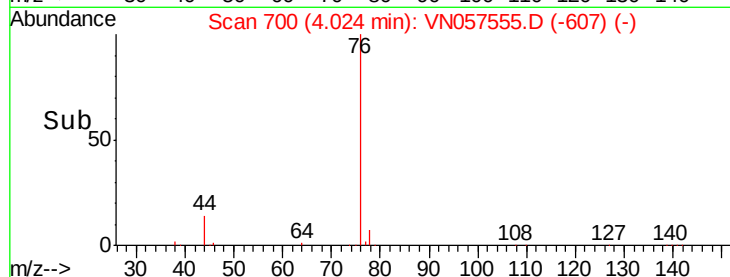
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 65.007 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057555.D

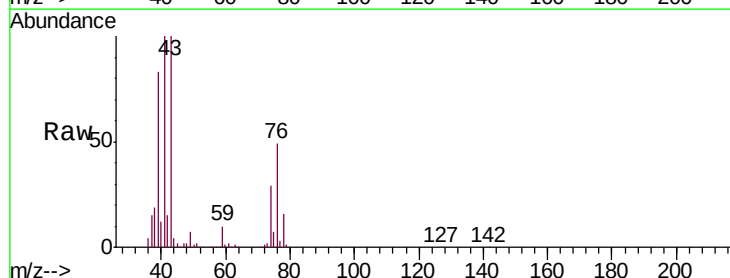
Acq: 29 Aug 2019 17:29

Tgt Ion: 43 Resp: 777465

Ion Ratio Lower Upper

43 100

74 28.9 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

300000

250000

200000

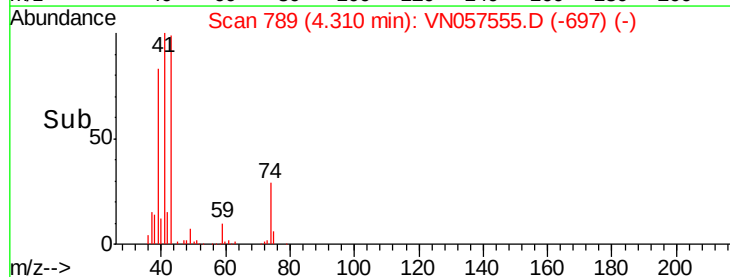
150000

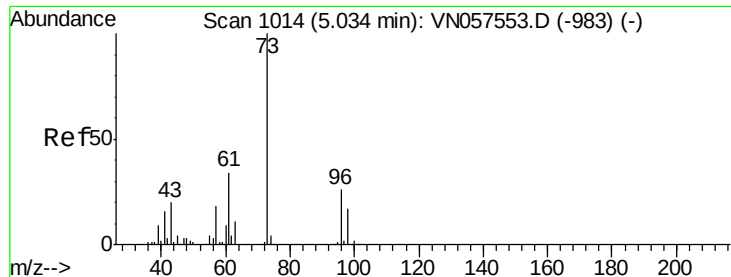
100000

50000

0

Time-->

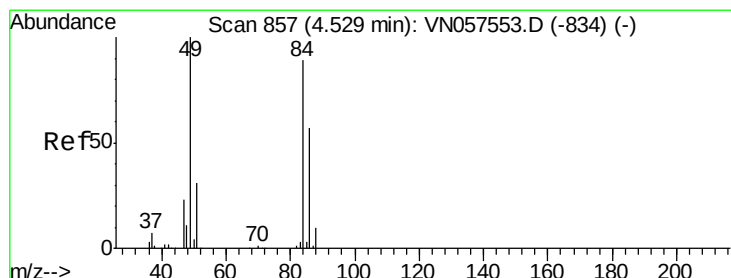
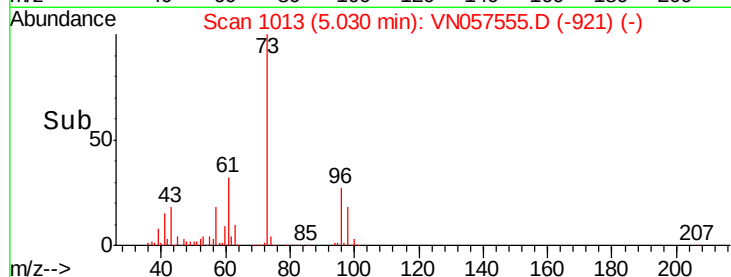
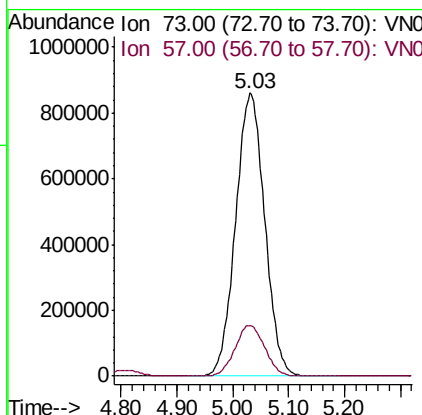
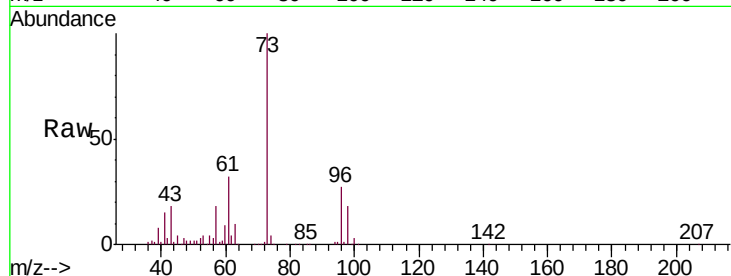




#19
Methyl tert-butyl Ether
Concen: 125.894 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

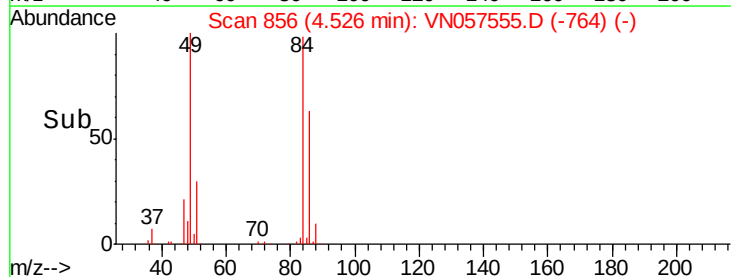
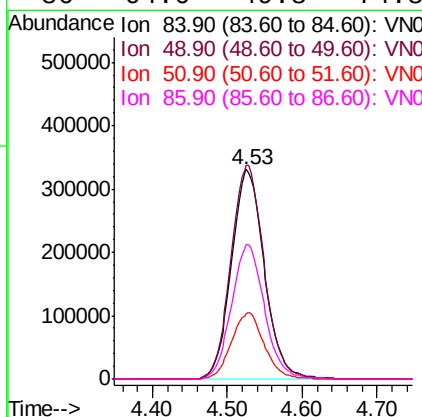
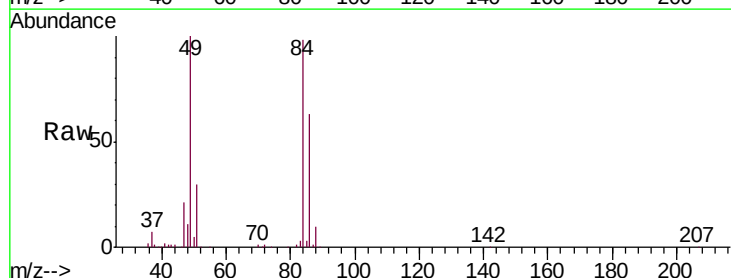
Instrument :
MSVOA_N
ClientSampled :

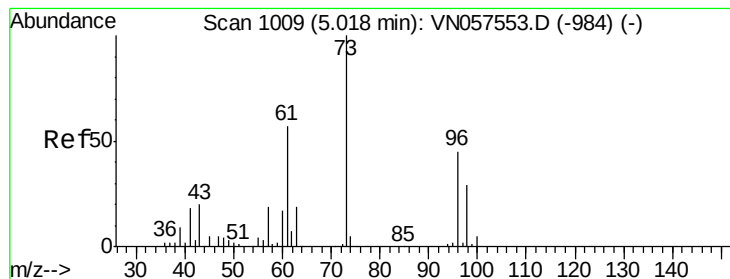
Tot Ion: 73 Resp: 3118179
Ion Ratio Lower Upper
73 100
57 18.0 19.1 28.7#



#20
Methylene Chloride
Concen: 126.780 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 84 Resp: 1009414
Ion Ratio Lower Upper
84 100
49 101.8 117.0 175.4#
51 31.0 35.5 53.3#
86 64.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 143.363 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

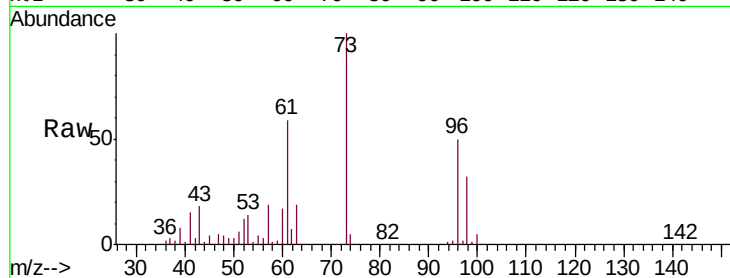
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 1055012

Ion	Ratio	Lower	Upper
96	100		
61	116.4	127.9	191.9#
98	63.0	50.6	76.0

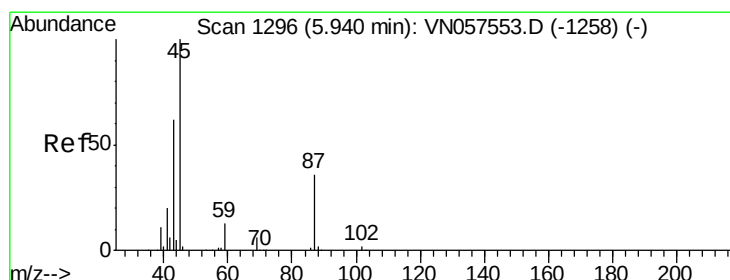
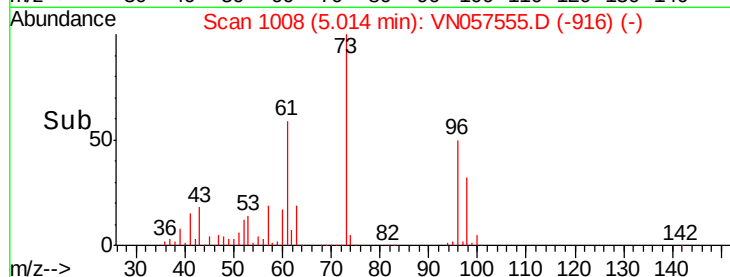
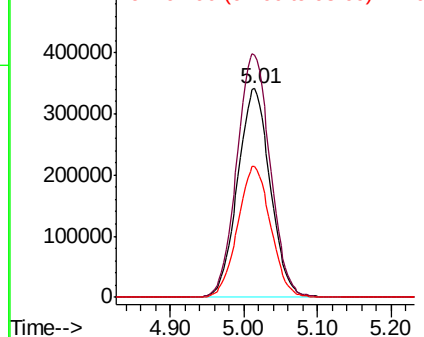


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 94.832 ug/l

RT: 5.94 min Scan# 1296

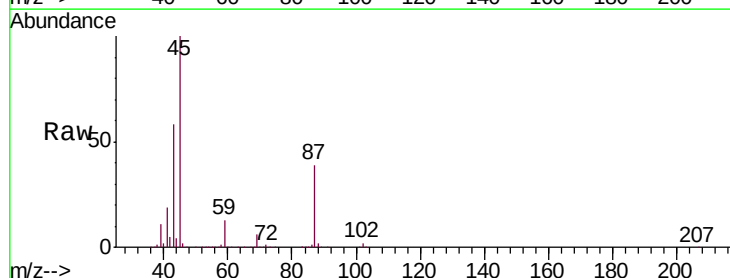
Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 45 Resp: 2639393

Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.9	70.3
87	38.9	19.3	28.9#
59	12.2	8.7	13.1



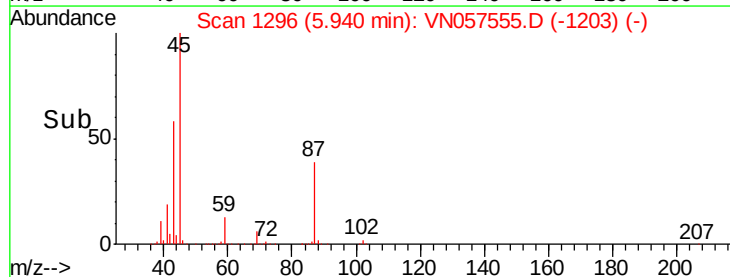
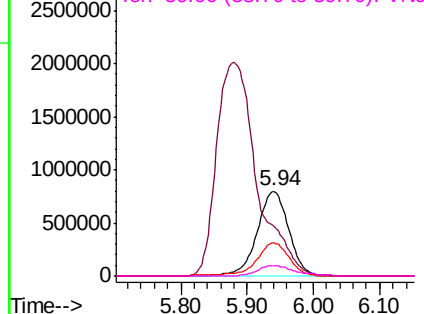
Abundance

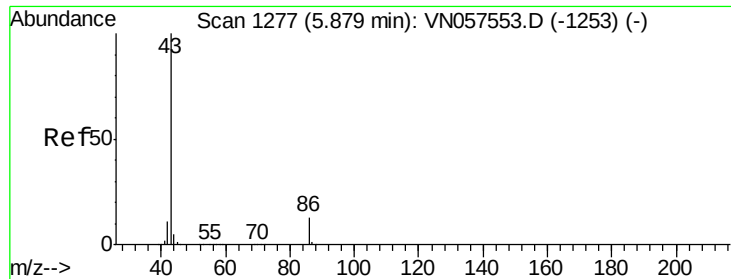
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 390.179 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

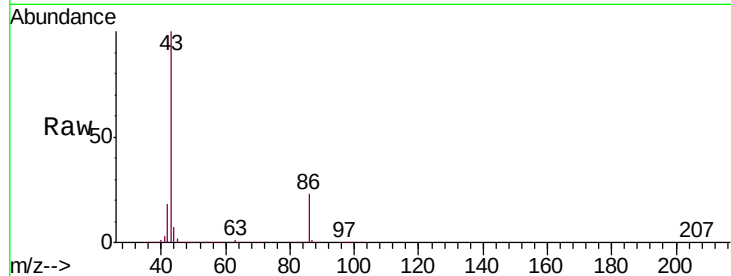
ClientSampled :

Tot Ion: 43 Resp: 8525650

Ion Ratio Lower Upper

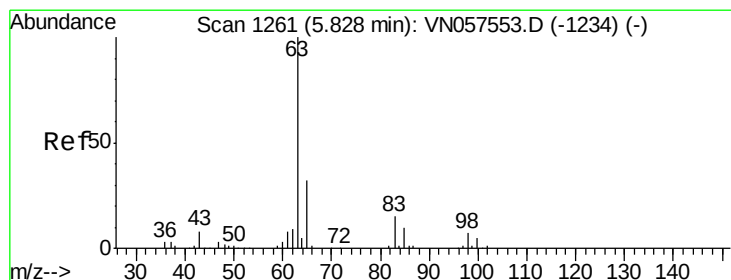
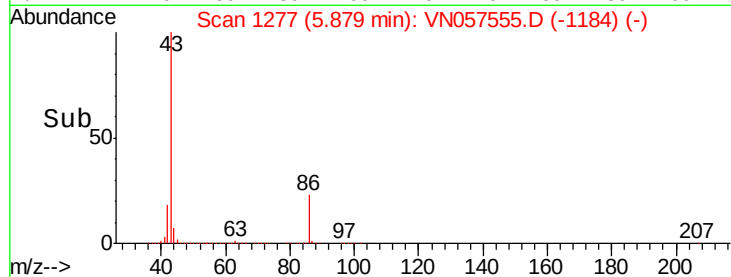
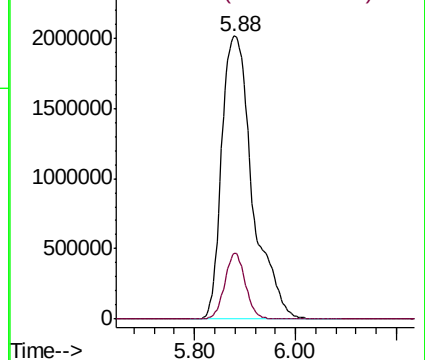
43 100

86 23.4 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 114.402 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

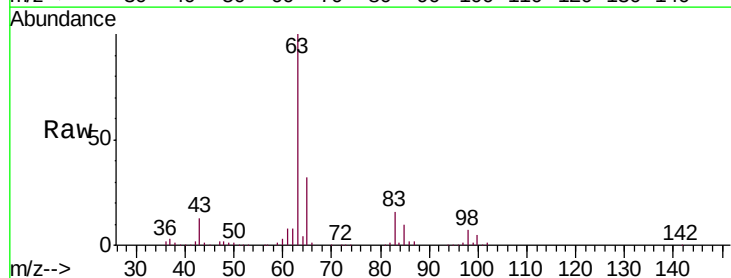
Tgt Ion: 63 Resp: 1736173

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.6

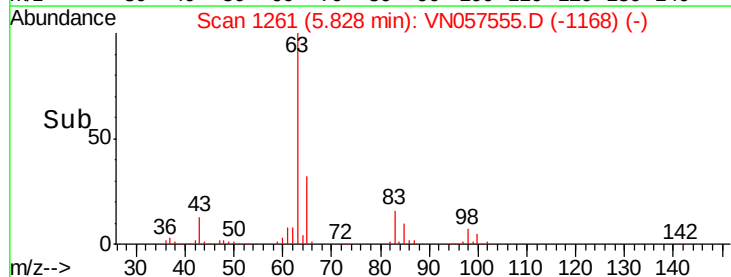
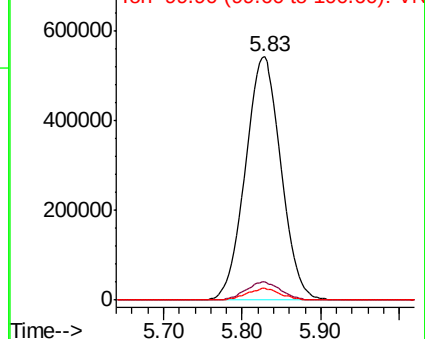
100 4.8 2.1 6.3

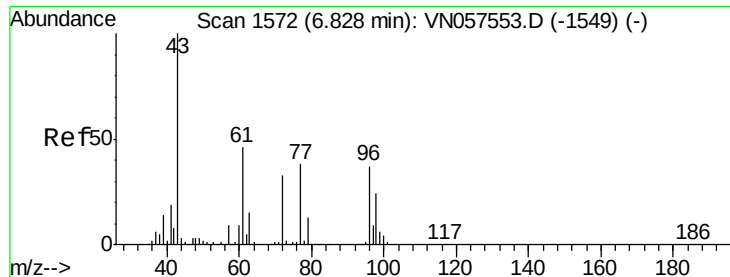


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

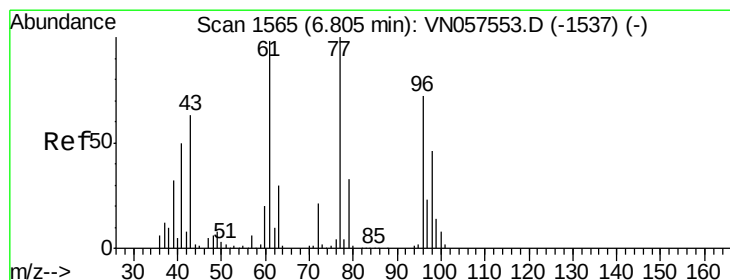
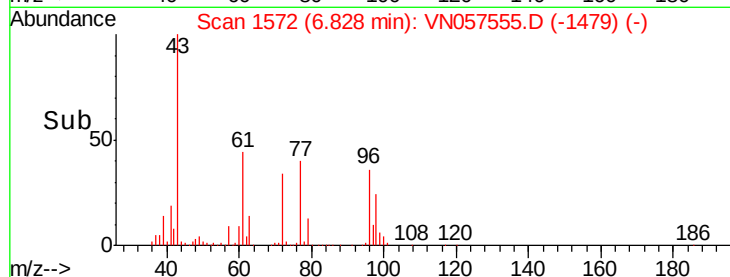
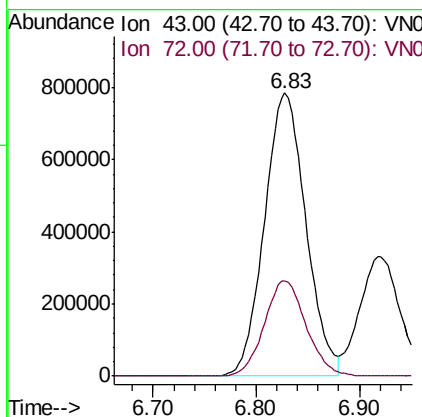
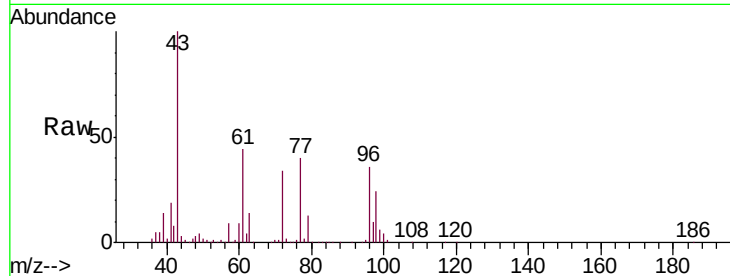




#25
2-Butanone
Concen: 434.474 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

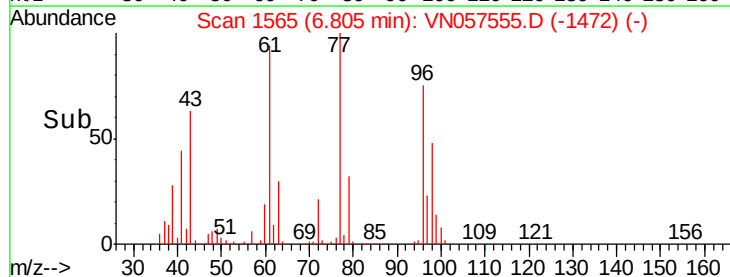
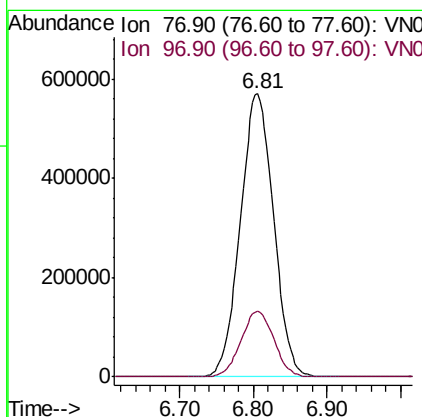
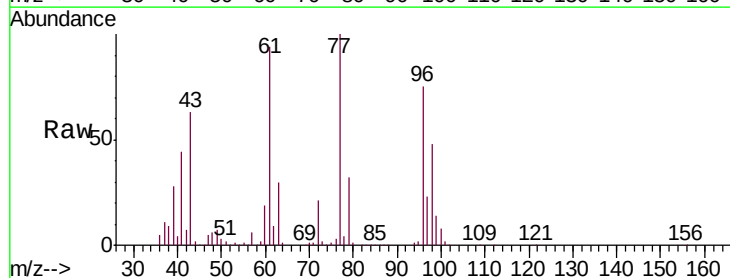
Instrument :
MSVOA_N
ClientSampled :

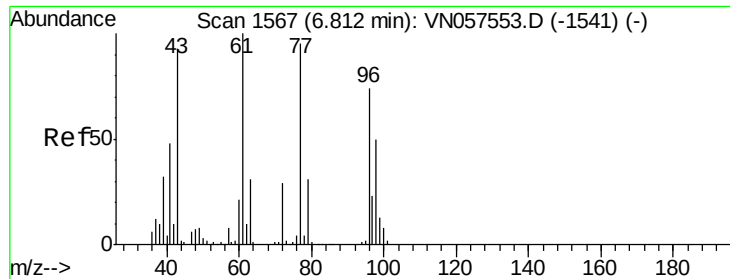
Tot Ion: 43 Resp: 2186843
Ion Ratio Lower Upper
43 100
72 33.8 17.8 26.8#



#26
2,2-Dichloropropane
Concen: 132.596 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 77 Resp: 1793742
Ion Ratio Lower Upper
77 100
97 23.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 145.525 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

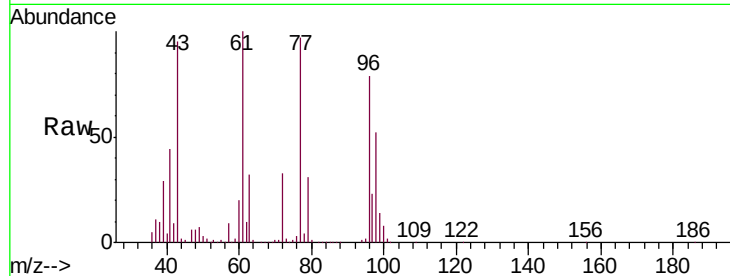
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 1275015

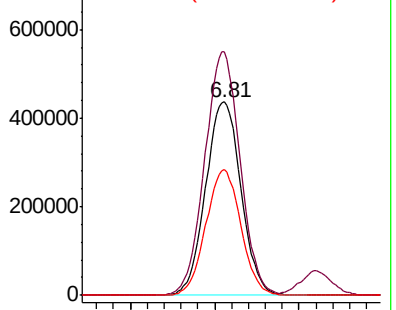
Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	334.8
98	64.5	0.0	127.4



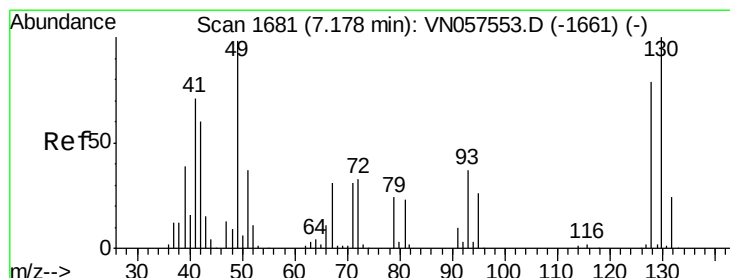
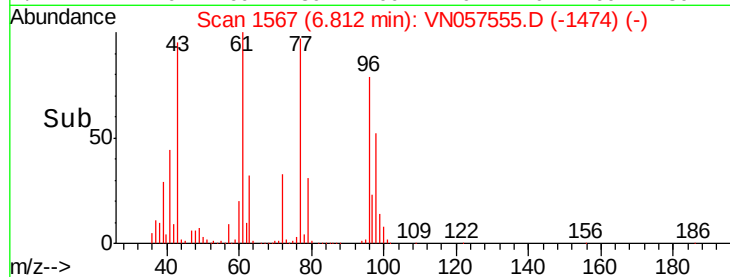
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#28

Bromochloromethane

Concen: 93.162 ug/l

RT: 7.18 min Scan# 1681

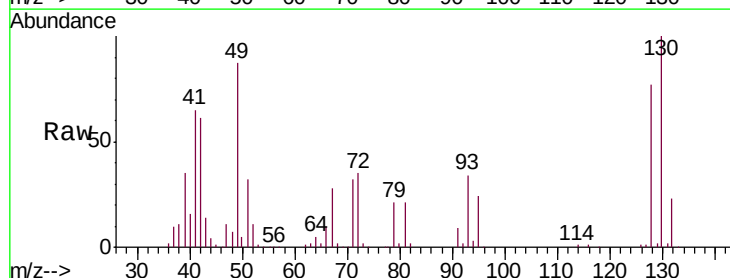
Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 49 Resp: 729551

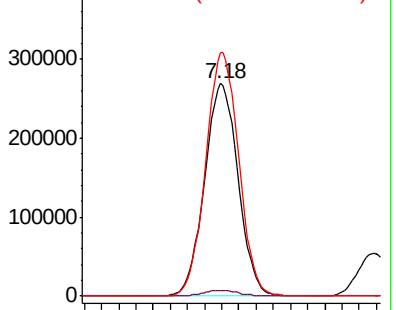
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.6
130	113.1	48.6	72.8#



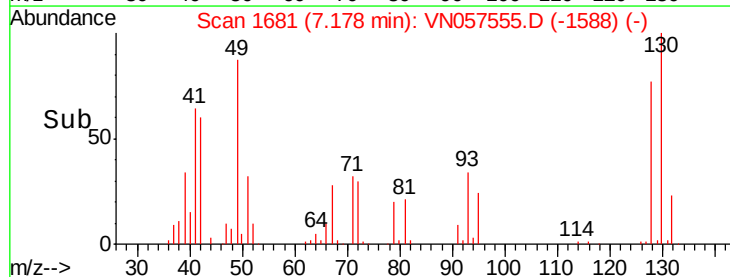
Abundance Ion 48.90 (48.60 to 49.60): VN0

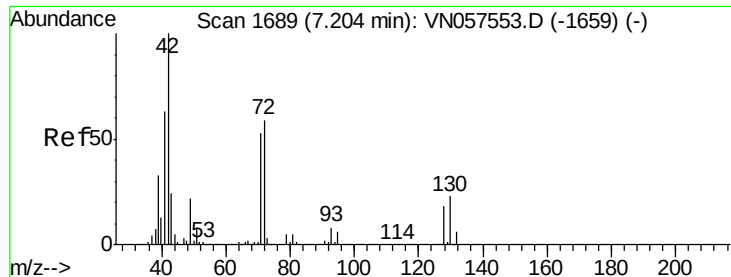
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->

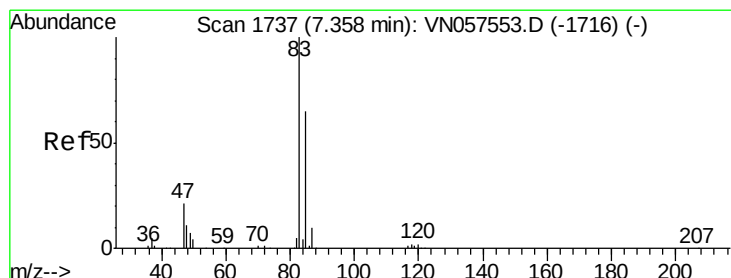
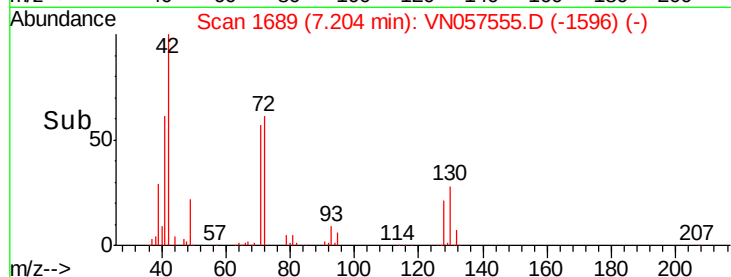
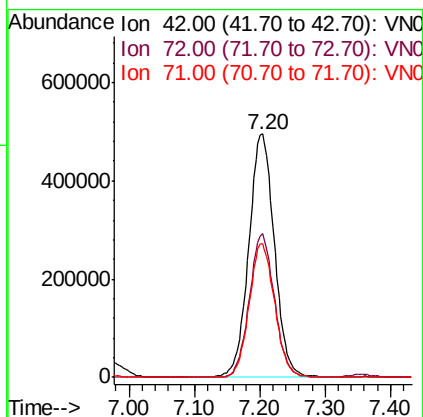
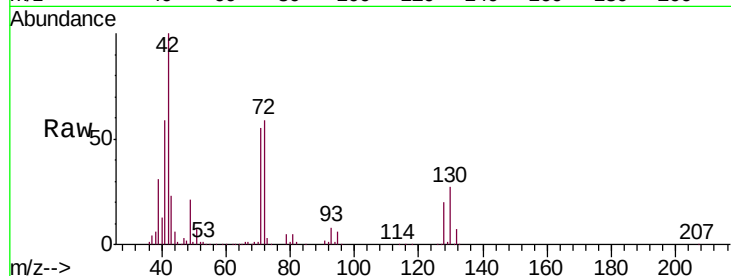




#29
Tetrahydrofuran
Concen: 410.959 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

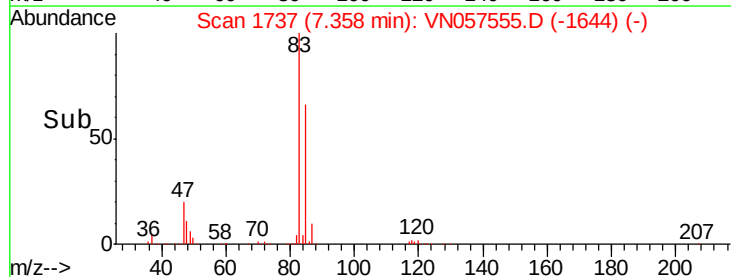
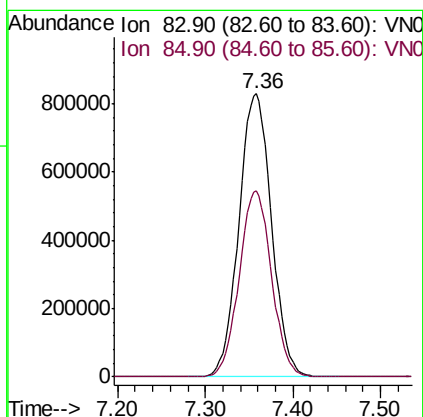
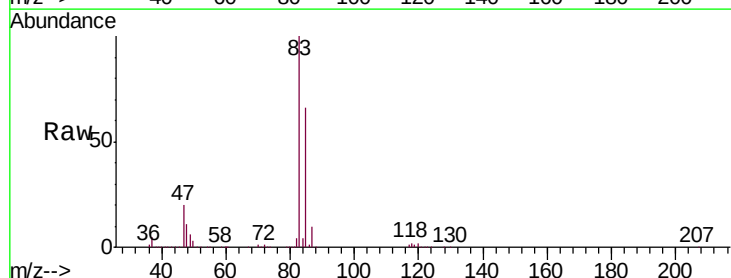
Instrument :
MSVOA_N
ClientSampleId :

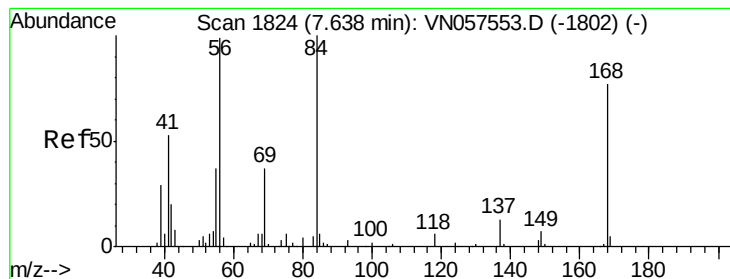
Tot Ion: 42 Resp: 1350608
Ion Ratio Lower Upper
42 100
72 57.9 30.1 45.1#
71 54.5 28.8 43.2#



#30
Chloroform
Concen: 131.793 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 83 Resp: 2143801
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9





#31

Cyclohexane

Concen: 103.214 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN057555.D

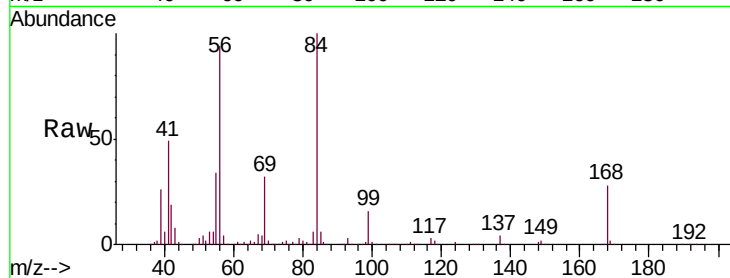
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :

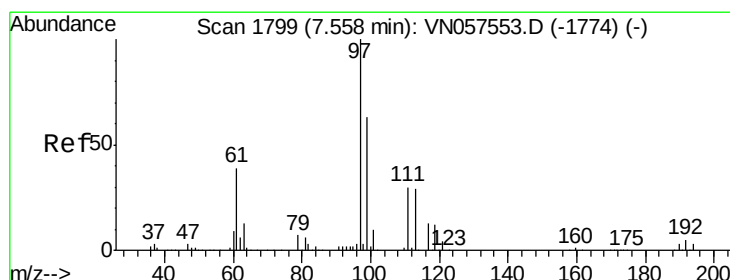
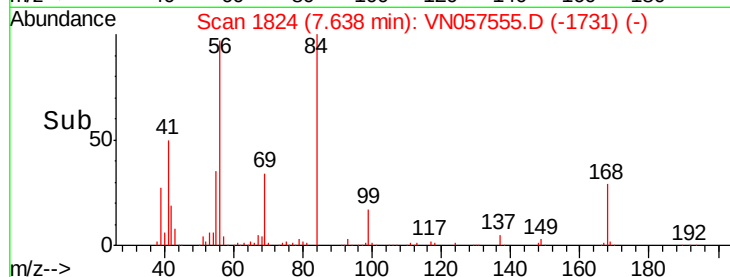
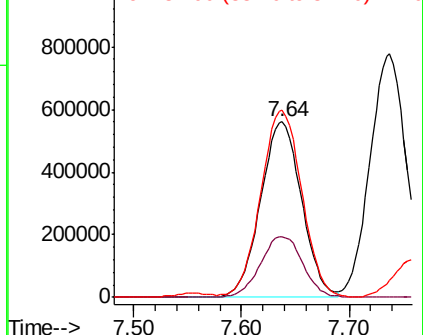
Tot Ion: 56 Resp: 1480425

Ion Ratio Lower Upper

56	100		
69	34.4	25.0	37.6
84	105.0	62.5	93.7#



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



#32

1,1,1-Trichloroethane

Concen: 151.041 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

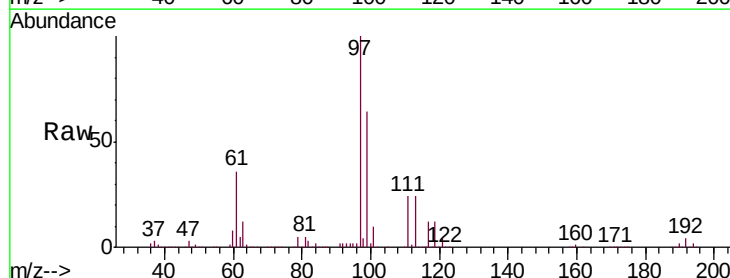
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

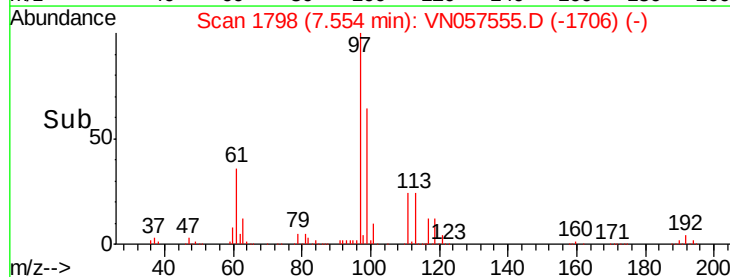
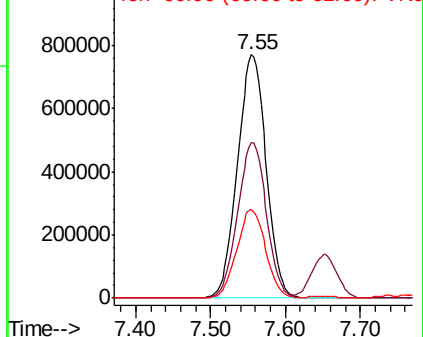
Tgt Ion: 97 Resp: 2055613

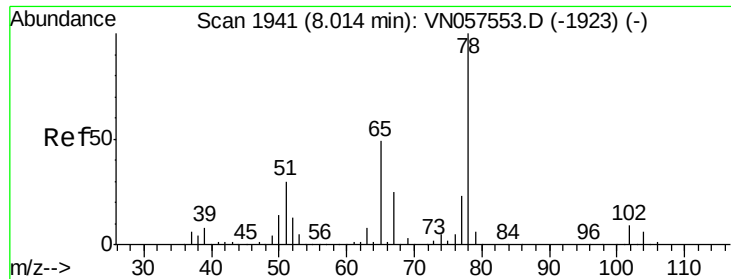
Ion Ratio Lower Upper

97	100		
99	64.1	51.0	76.6
61	36.7	39.8	59.6#



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

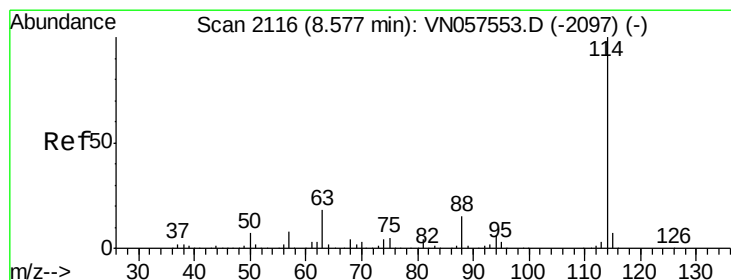
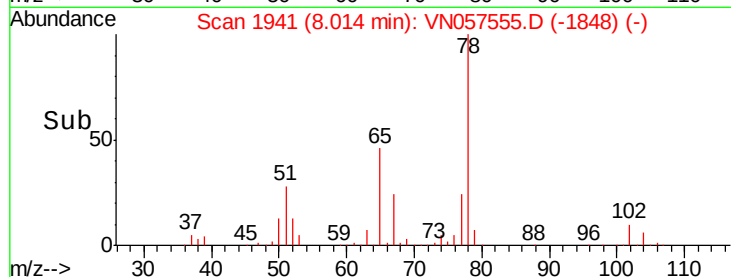
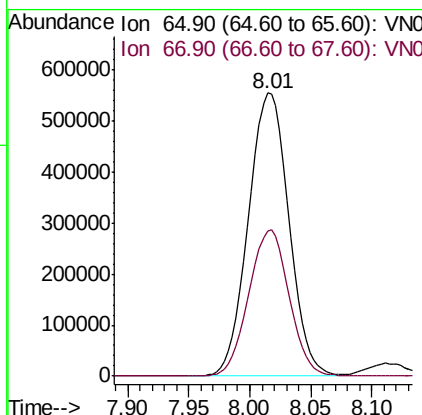
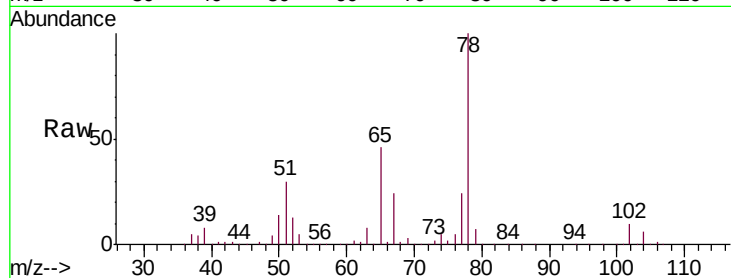




#33
 1,2-Dichloroethane-d4
 Concen: 121.983 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

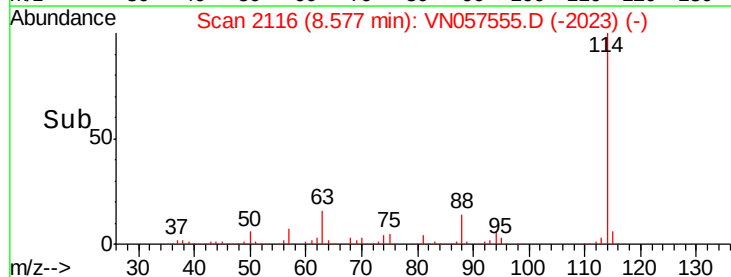
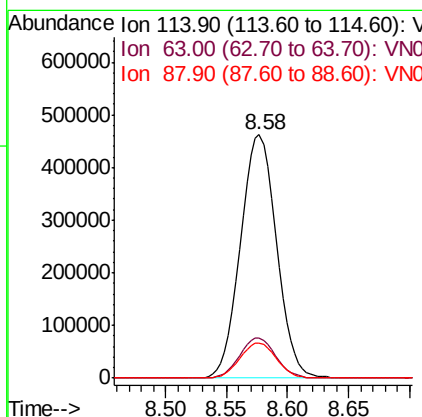
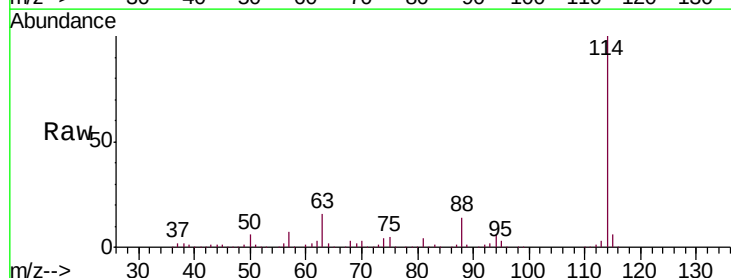
Instrument :
 MSVOA_N
 ClientSampled :

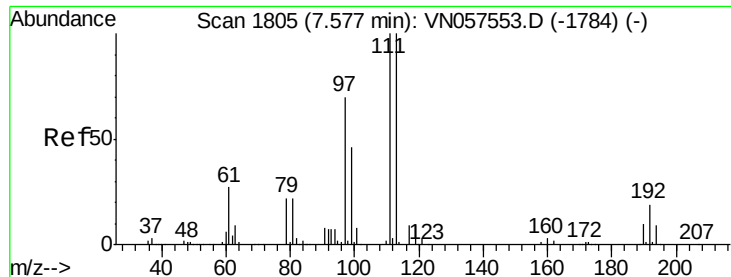
Tot Ion: 65 Resp: 1277417
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 114 Resp: 945705
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 50.2
 88 14.5 0.0 34.6

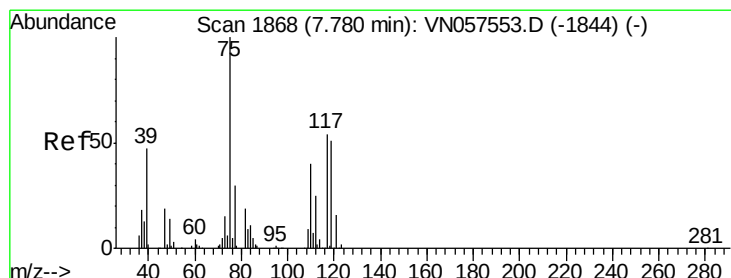
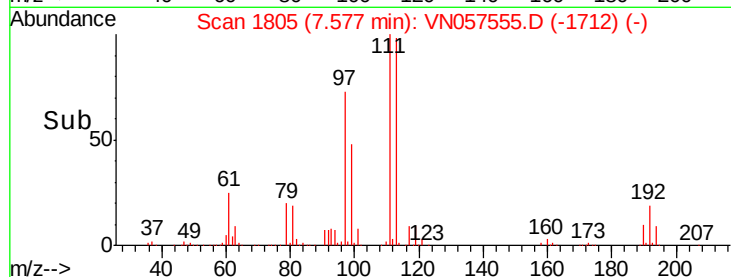
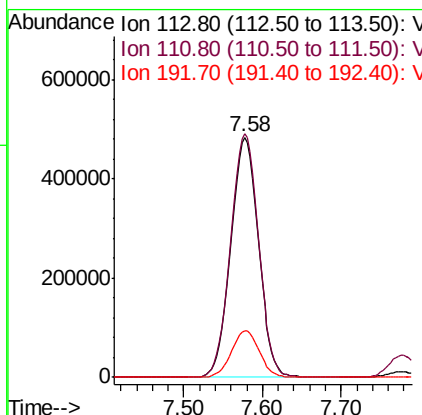
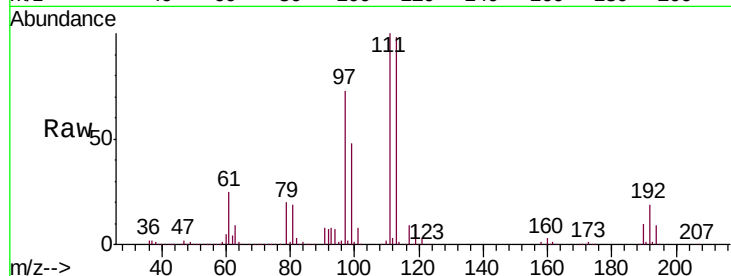




#35
Dibromofluoromethane
Concen: 174.587 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

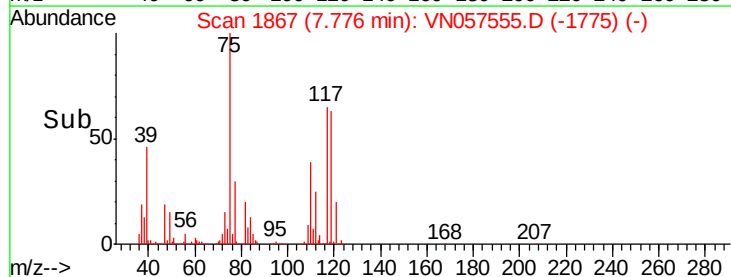
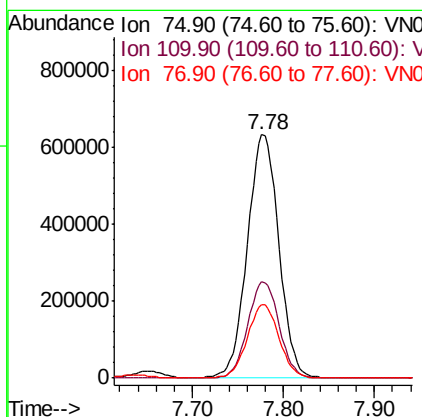
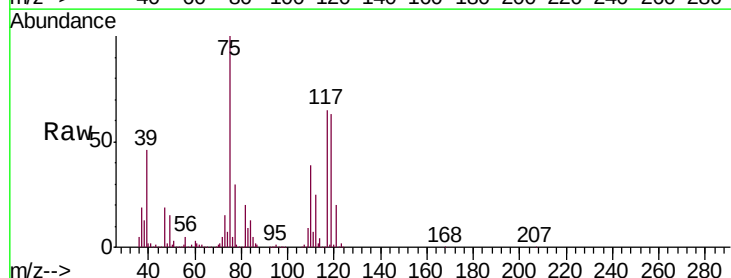
Instrument :
MSVOA_N
ClientSampleId :

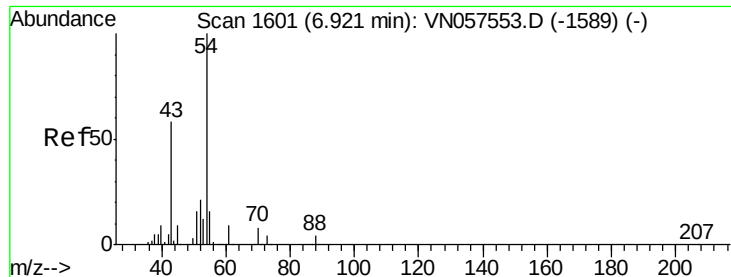
Tot Ion:113 Resp: 1186269
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 19.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 153.446 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 75 Resp: 1520867
Ion Ratio Lower Upper
75 100
110 39.4 16.1 48.3
77 30.4 24.8 37.2

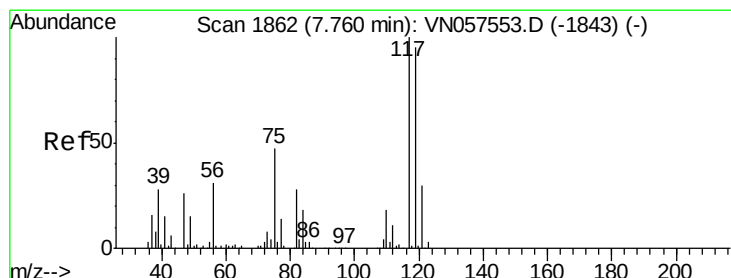
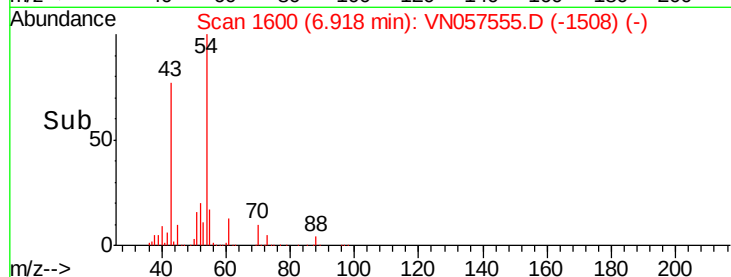
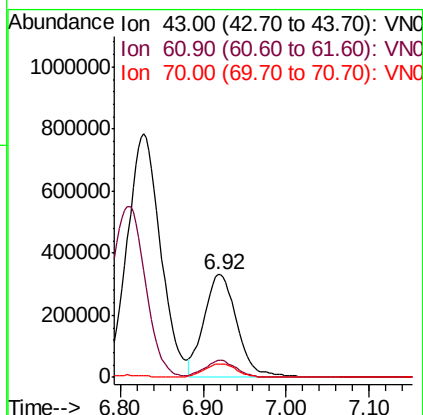
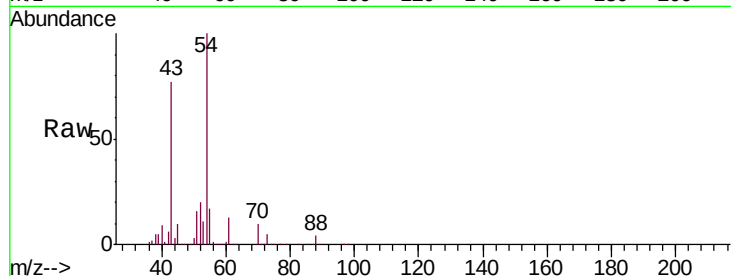




#37
Ethyl Acetate
Concen: 99.986 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

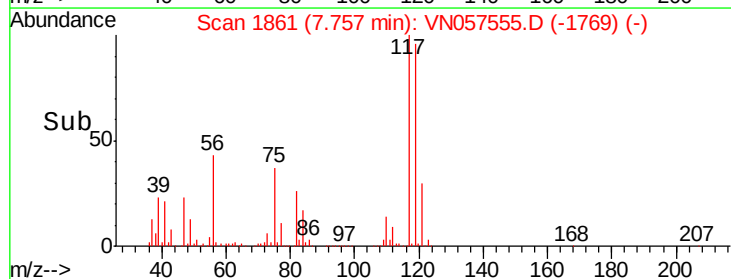
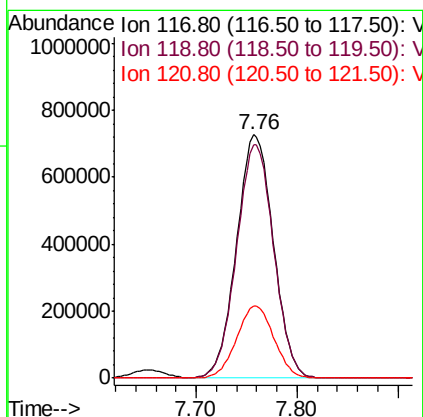
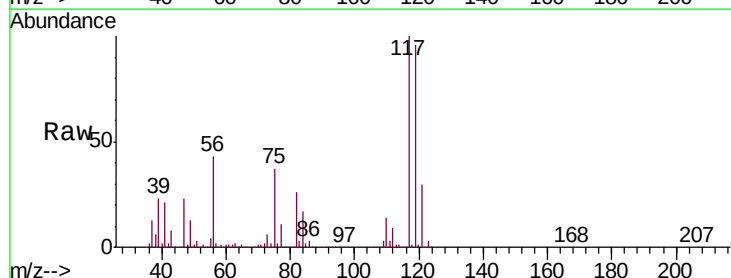
Instrument :
MSVOA_N
ClientSampled :

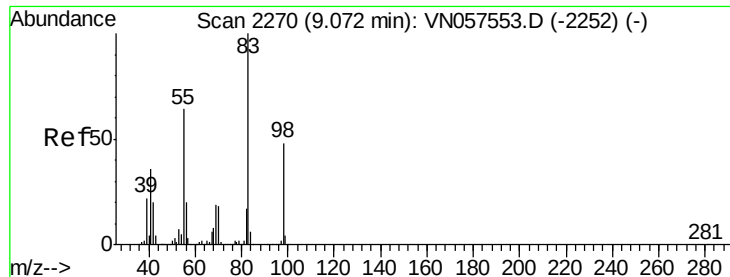
Tot Ion: 43 Resp: 915775
Ion Ratio Lower Upper
43 100
61 16.0 9.9 14.9#
70 12.9 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 180.945 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 117 Resp: 1837412
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.4
121 29.8 23.8 35.6

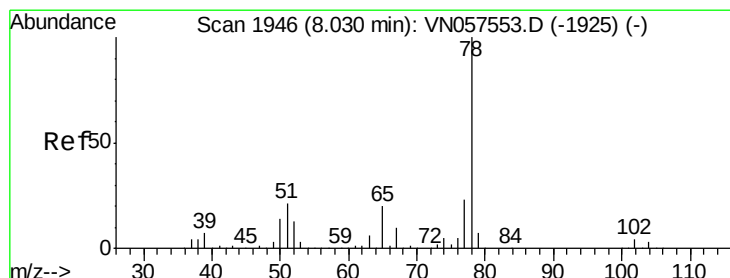
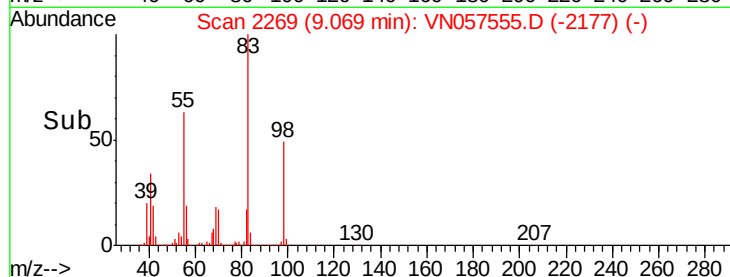
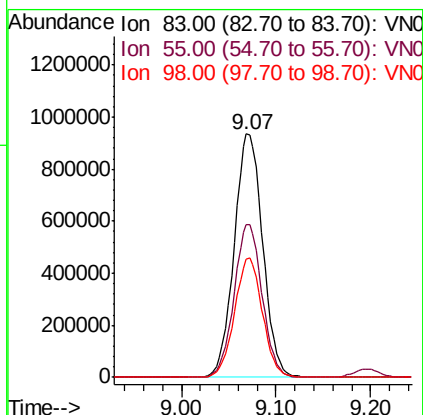
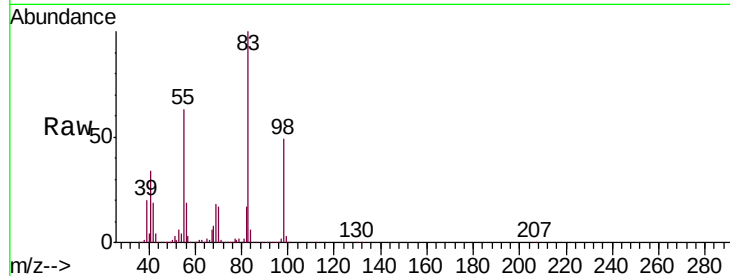




#39
Methylvlcyclohexane
Concen: 164.428 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

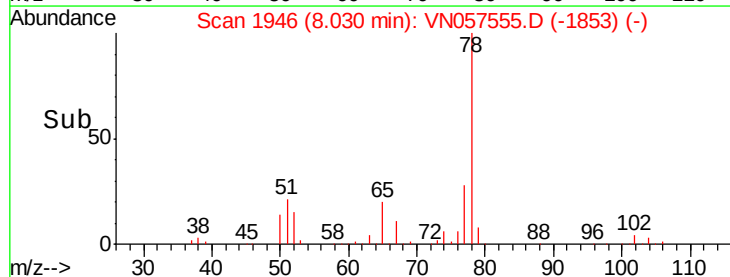
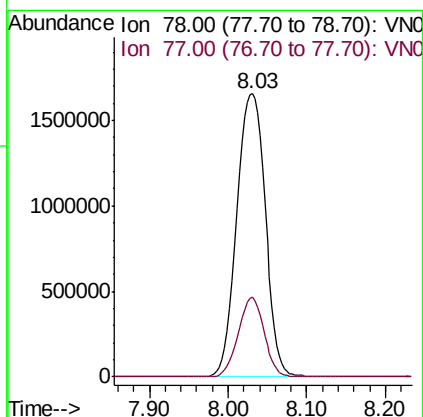
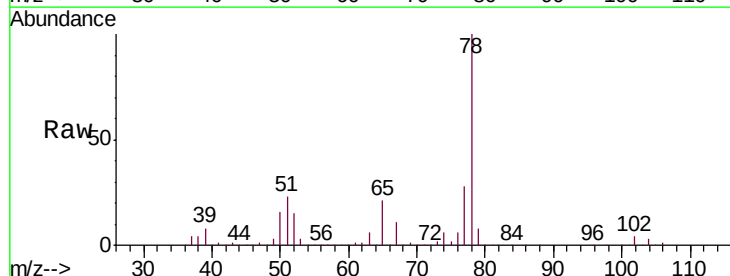
Instrument :
MSVOA_N
ClientSampled :

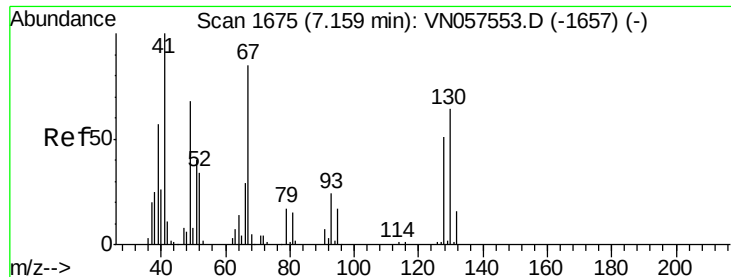
Tot Ion: 83 Resp: 1954771
Ion Ratio Lower Upper
83 100
55 62.7 68.6 102.8#
98 48.5 36.6 54.8



#40
Benzene
Concen: 141.476 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 78 Resp: 4217793
Ion Ratio Lower Upper
78 100
77 28.1 18.5 27.7#

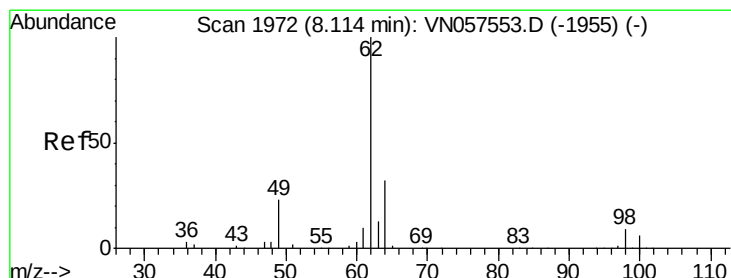
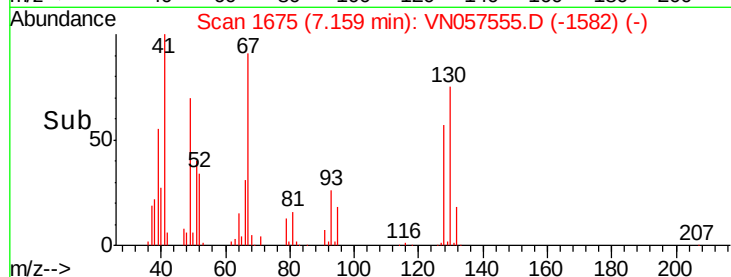
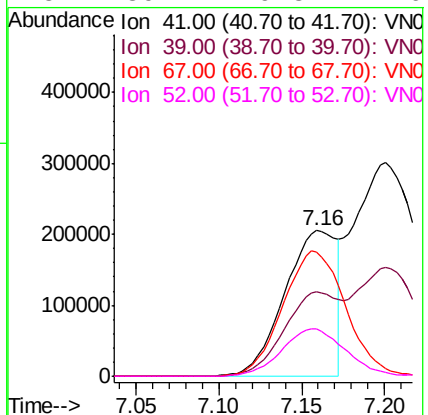
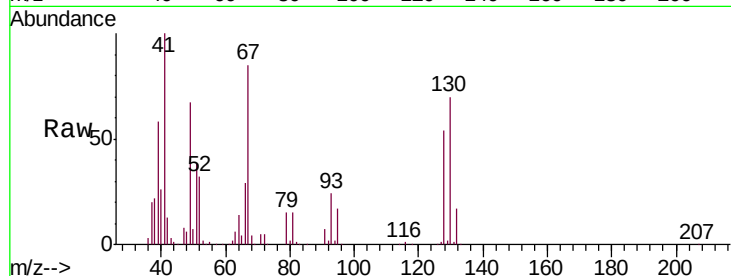




#41
Methacrylonitrile
Concen: 103.519 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

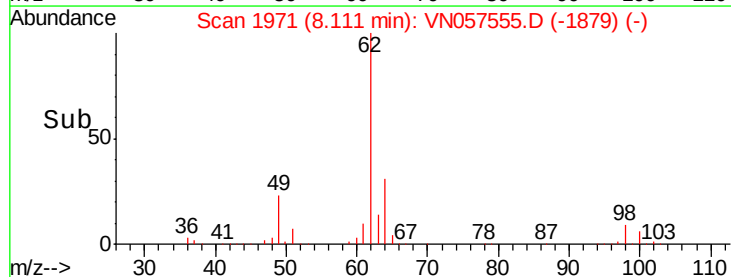
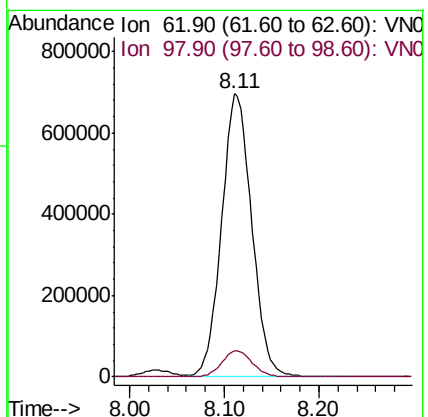
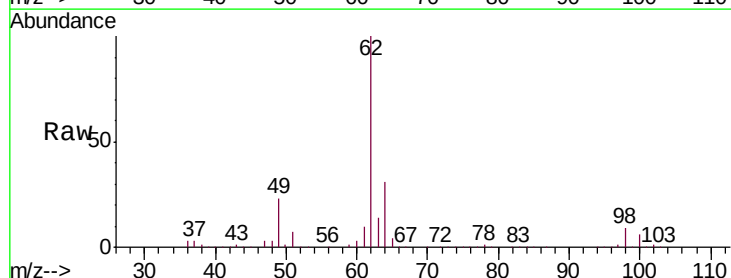
Instrument :
MSVOA_N
ClientSampleId :

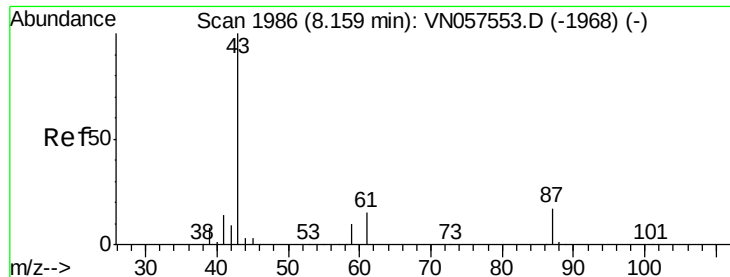
Tot Ion: 41 Resp: 448503
Ion Ratio Lower Upper
41 100
39 61.9 53.6 80.4
67 104.2 65.4 98.2#
52 39.7 29.8 44.6



#42
1,2-Dichloroethane
Concen: 135.876 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 62 Resp: 1538598
Ion Ratio Lower Upper
62 100
98 9.4 0.0 15.4





#43

Isopropyl Acetate

Concen: 105.382 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

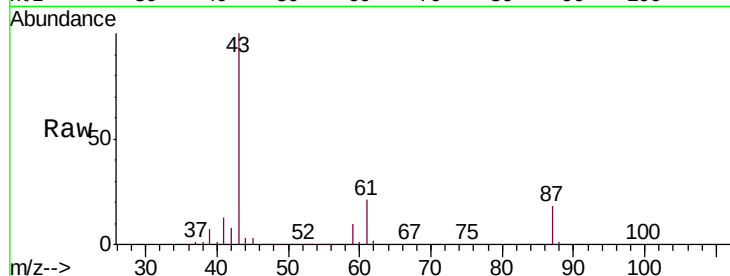
Tot Ion: 43 Resp: 1780265

Ion Ratio Lower Upper

43 100

61 21.5 14.5 21.7

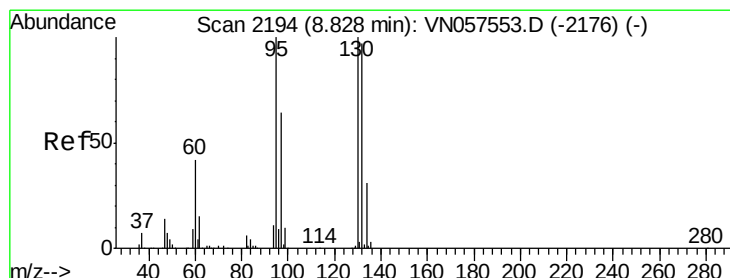
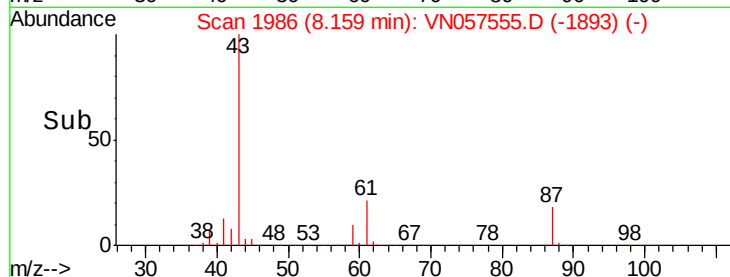
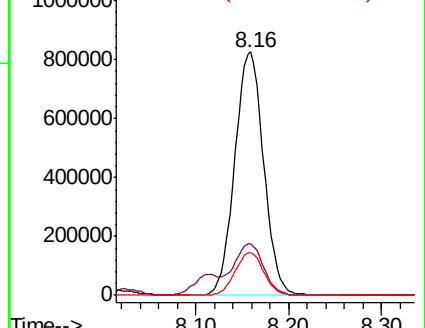
87 17.6 8.6 12.8#



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) (-)



#44

Trichloroethene

Concen: 197.383 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057555.D

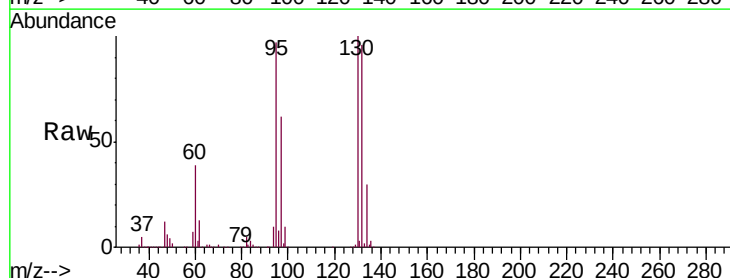
Acq: 29 Aug 2019 17:29

Tgt Ion:130 Resp: 1363947

Ion Ratio Lower Upper

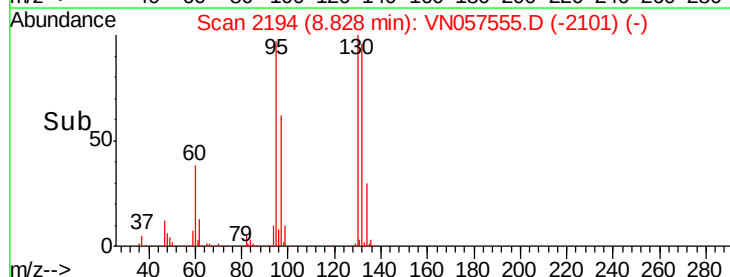
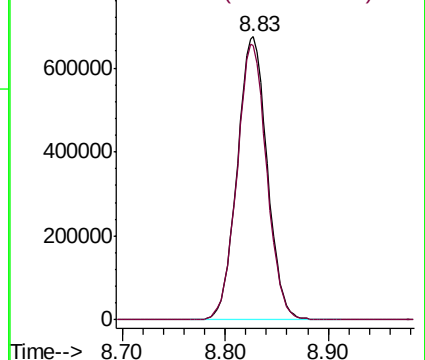
130 100

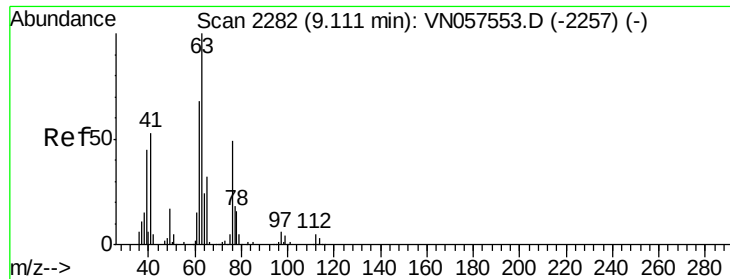
95 97.0 0.0 231.6



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

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

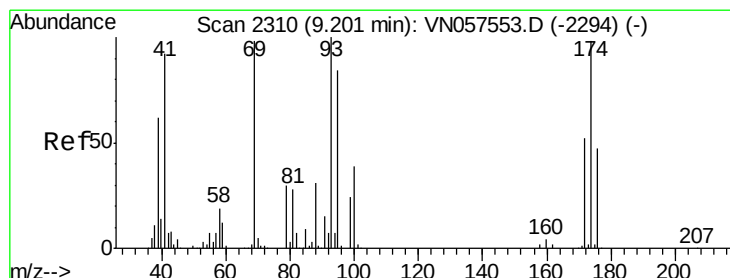
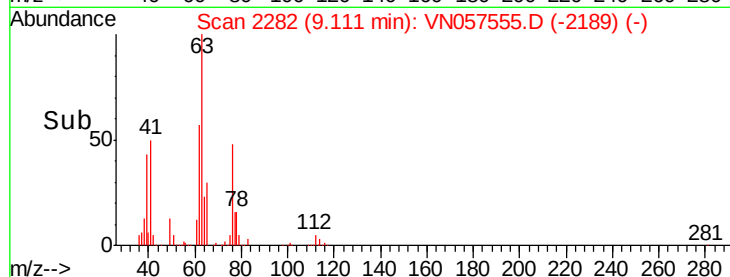
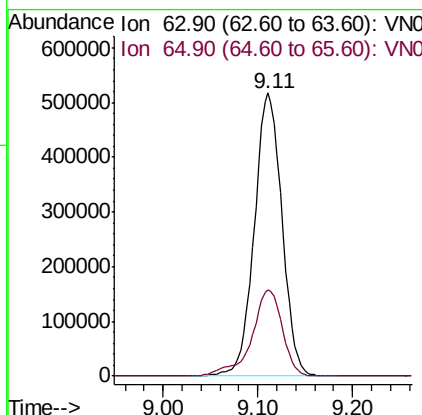
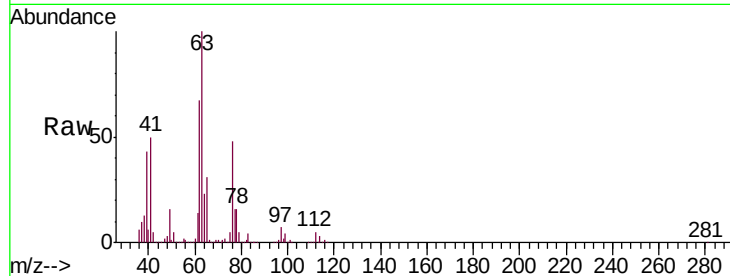




#45
 1,2-Dichloropropane
 Concen: 128.617 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

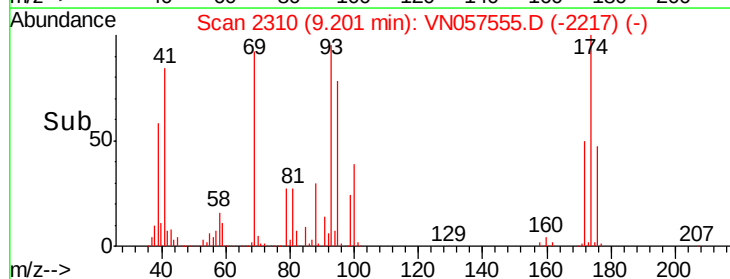
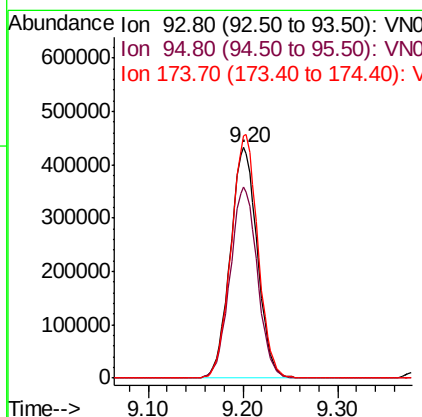
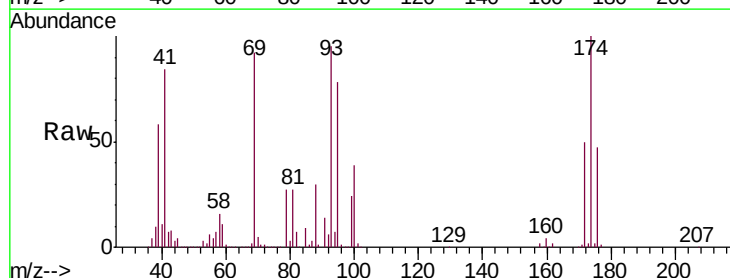
Instrument :
 MSVOA_N
 ClientSampleId :

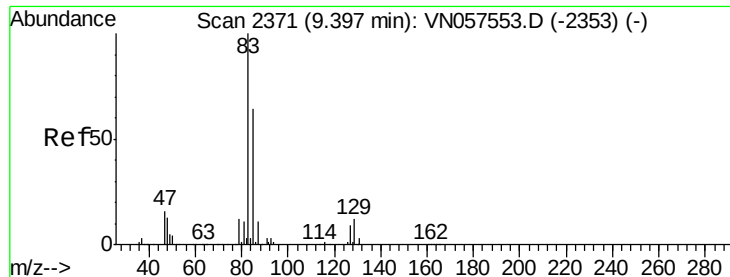
Tot Ion: 63 Resp: 1049425
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 158.735 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 93 Resp: 856140
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.7 97.1
 174 104.6 62.3 93.5#





#47

Bromodichloromethane

Concen: 161.428 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :

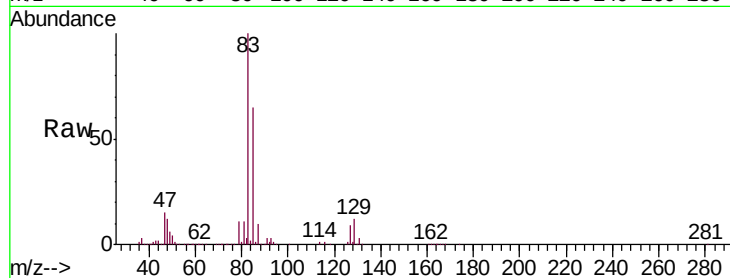
Tot Ion: 83 Resp: 1801123

Ion Ratio Lower Upper

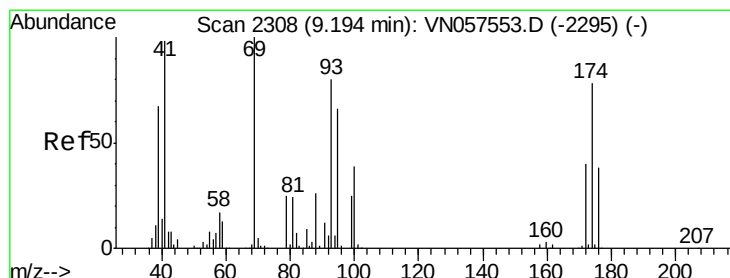
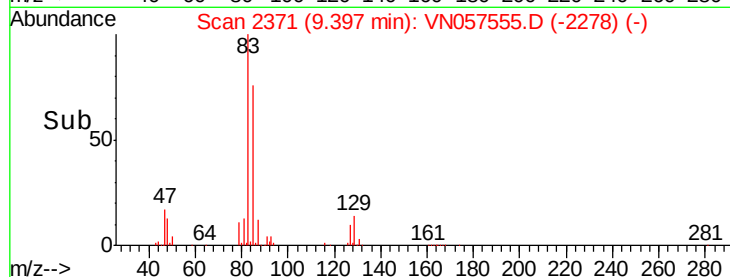
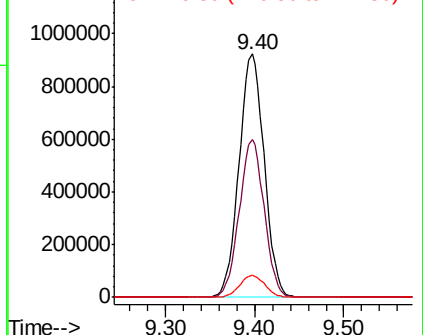
83 100

85 64.9 51.2 76.8

127 8.9 6.6 10.0



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



#48

Methyl methacrylate

Concen: 101.517 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

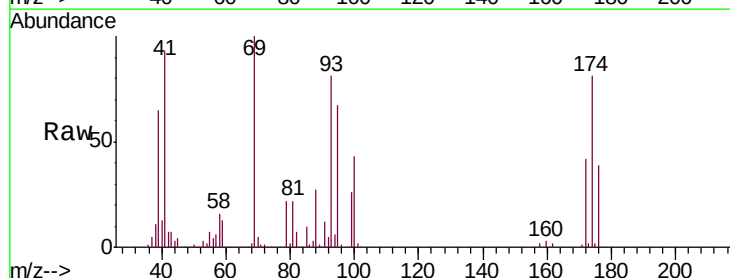
Tgt Ion: 41 Resp: 810656

Ion Ratio Lower Upper

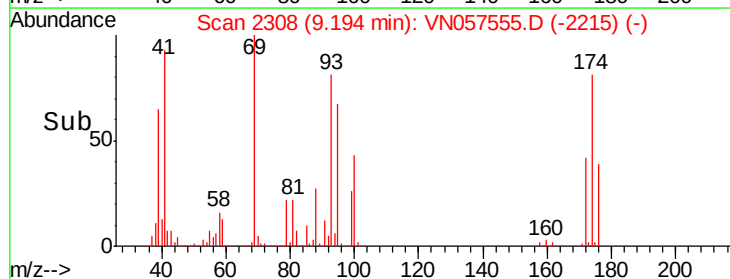
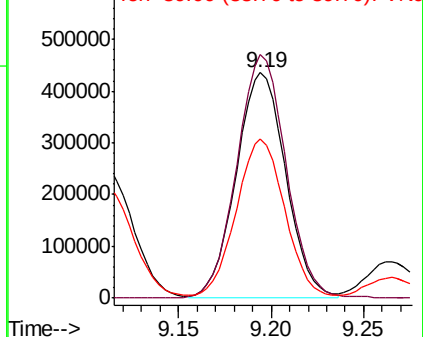
41 100

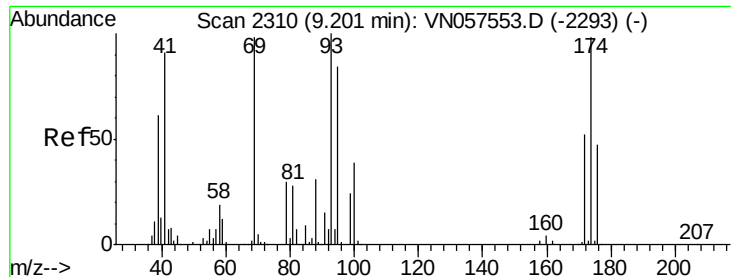
69 107.7 59.3 88.9#

39 69.6 50.6 75.8



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

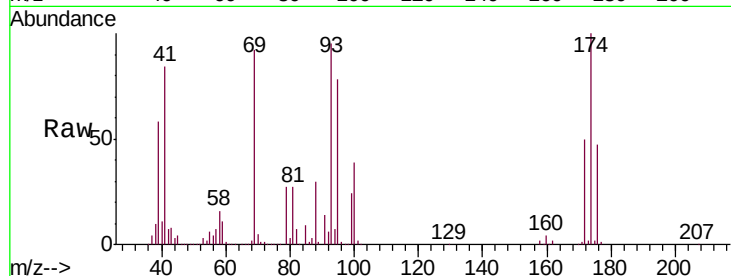




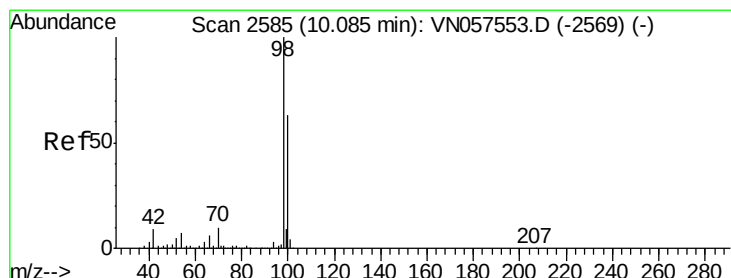
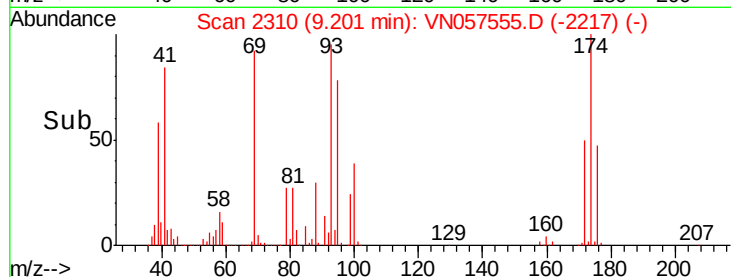
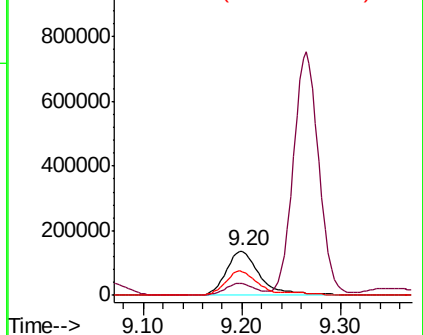
#49
1,4-Dioxane
Concen: 3035.337 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 331860
Ion Ratio Lower Upper
88 100
43 22.4 31.0 46.6#
58 51.9 64.5 96.7#

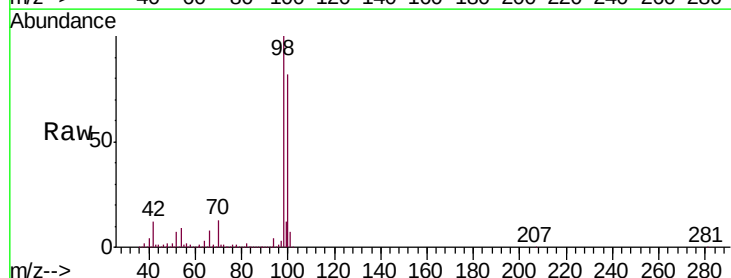


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

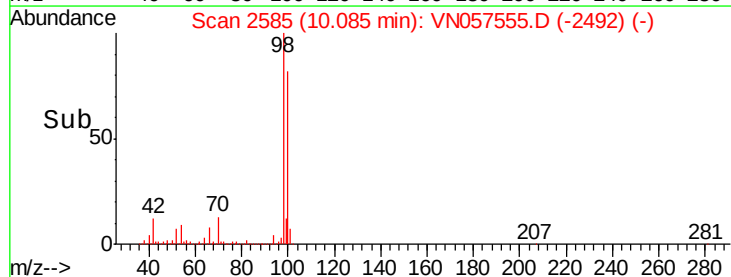
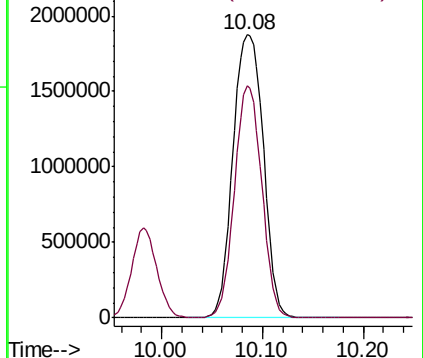


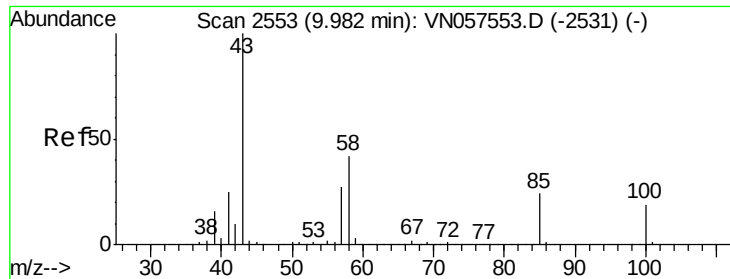
#50
Toluene-d8
Concen: 152.340 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 98 Resp: 3927484
Ion Ratio Lower Upper
98 100
100 73.6 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: 425.147 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

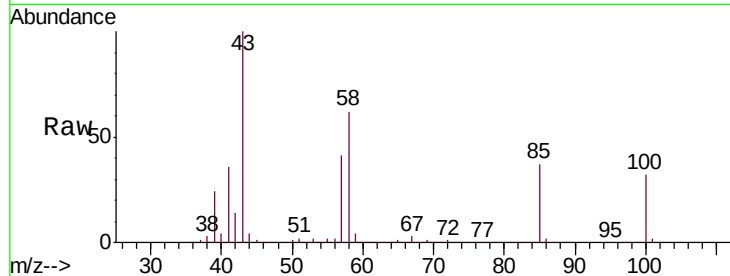
ClientSampled :

Tot Ion: 43 Resp: 3989155

Ion Ratio Lower Upper

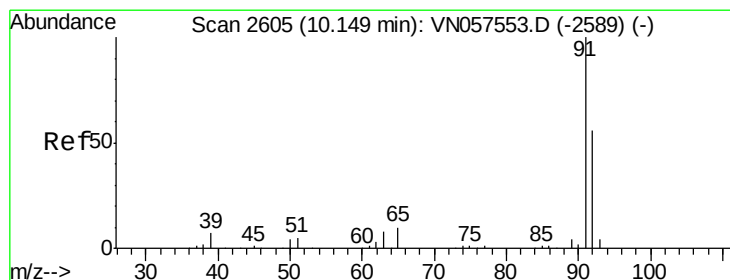
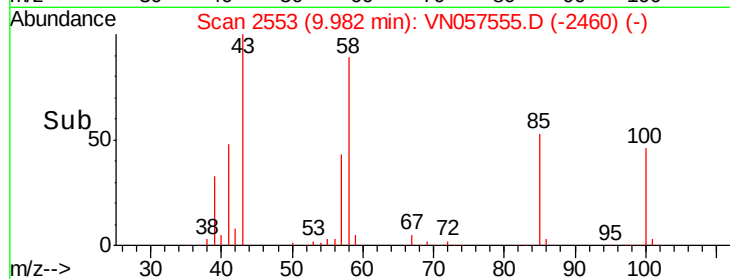
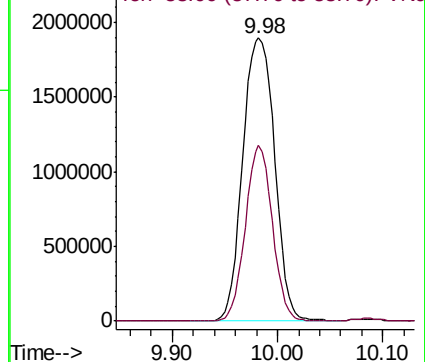
43 100

58 52.8 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 171.068 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057555.D

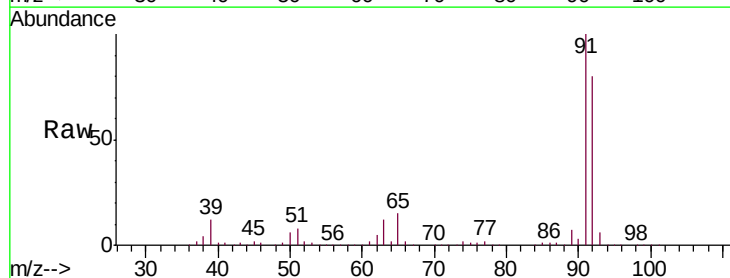
Acq: 29 Aug 2019 17:29

Tgt Ion: 92 Resp: 3018611

Ion Ratio Lower Upper

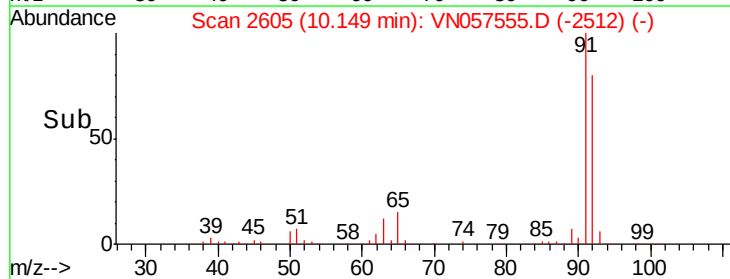
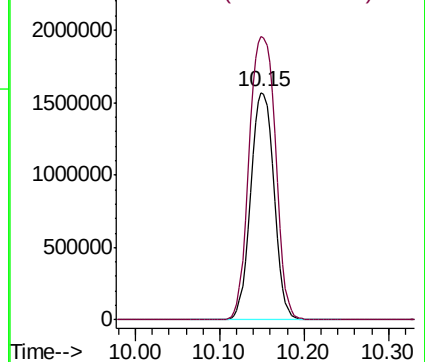
92 100

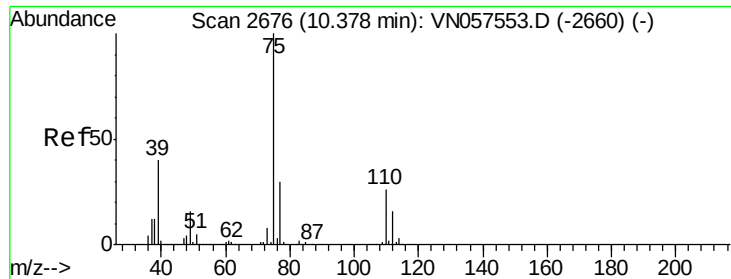
91 141.8 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 159.215 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

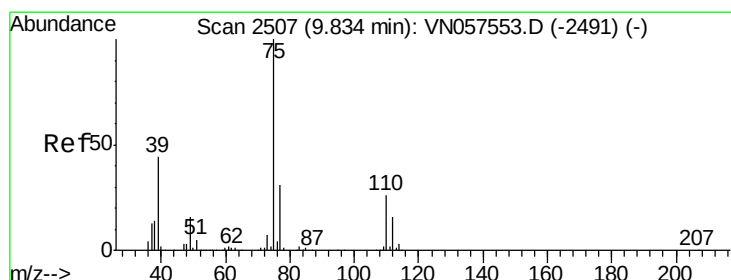
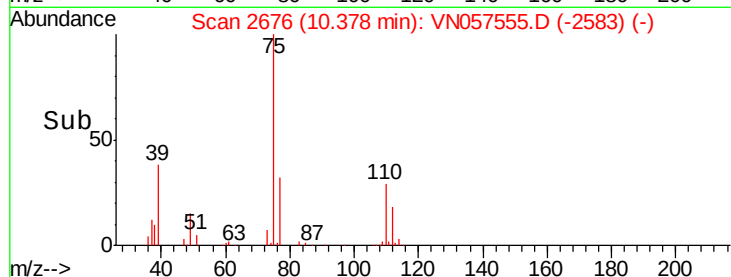
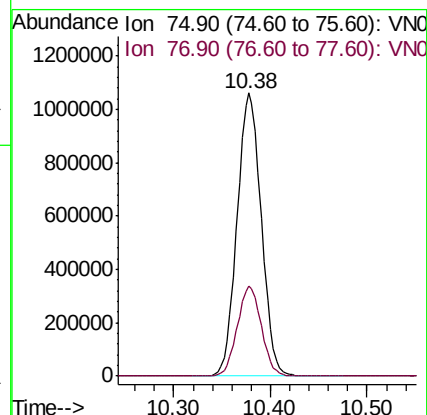
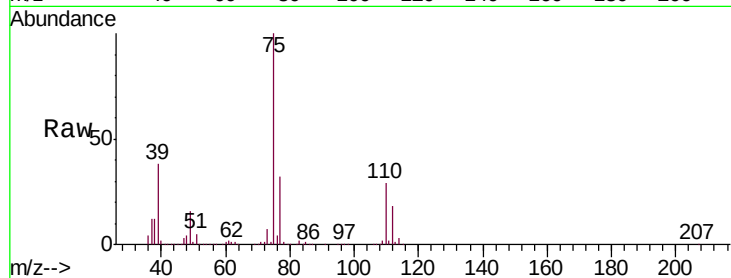
ClientSampleId :

Tot Ion: 75 Resp: 1845863

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 152.599 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

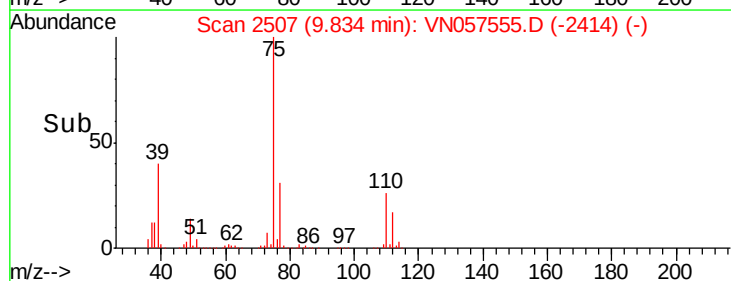
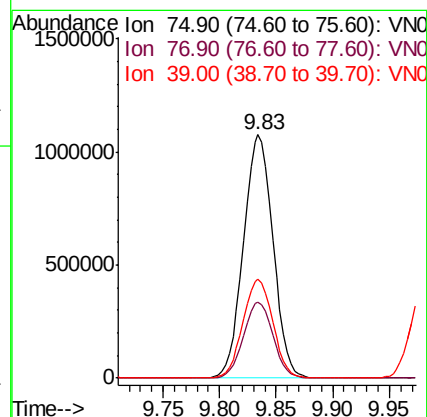
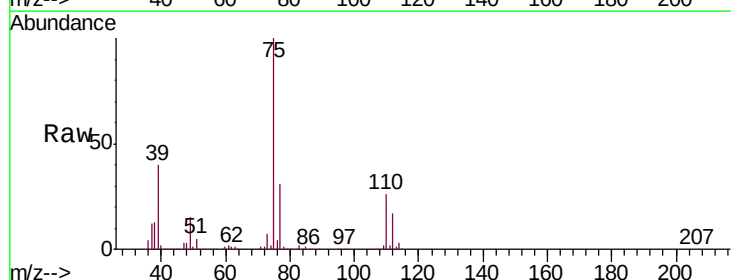
Tgt Ion: 75 Resp: 1961229

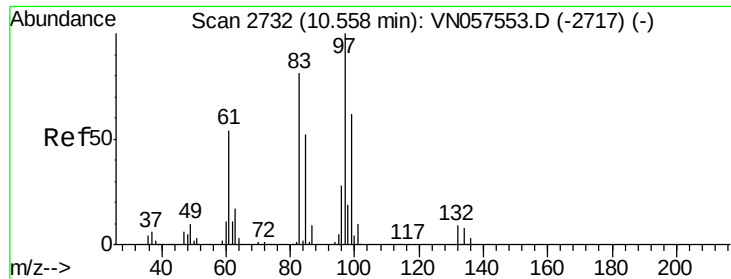
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 40.4 49.2 73.8#

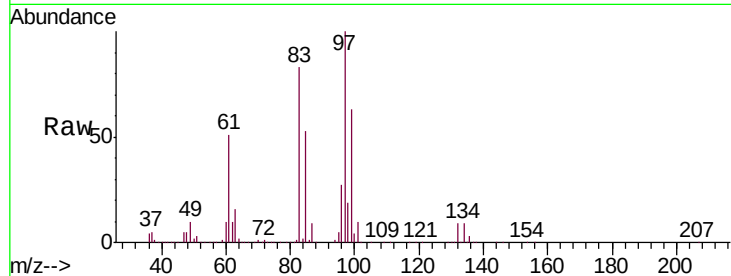




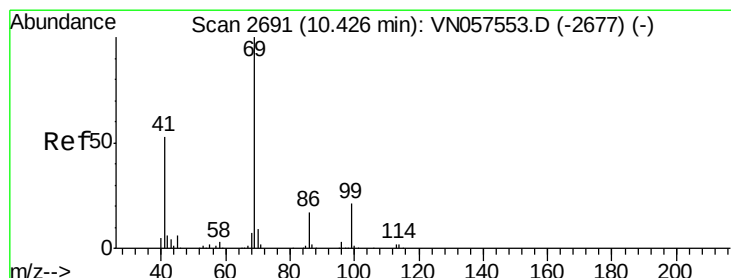
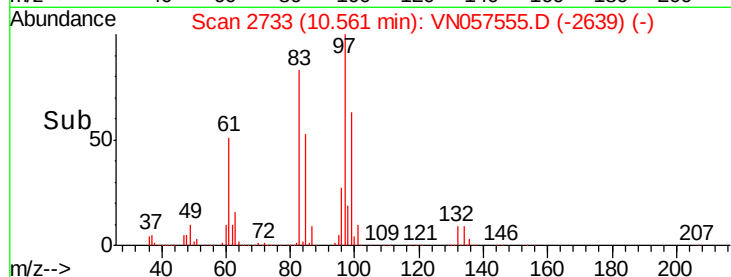
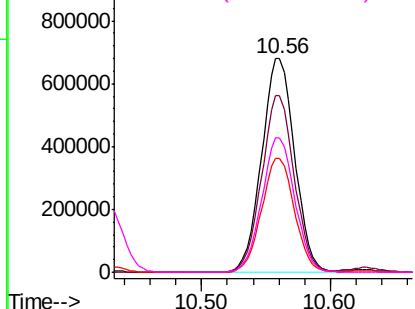
#55
 1,1,2-Trichloroethane
 Concen: 170.930 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 1213970
 Ion Ratio Lower Upper
 97 100
 83 82.9 73.7 110.5
 85 53.4 46.8 70.2
 99 62.9 49.8 74.8

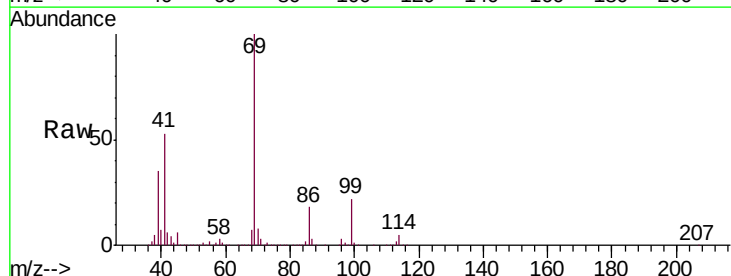


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

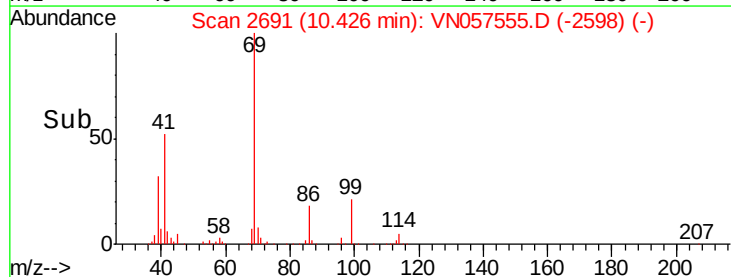
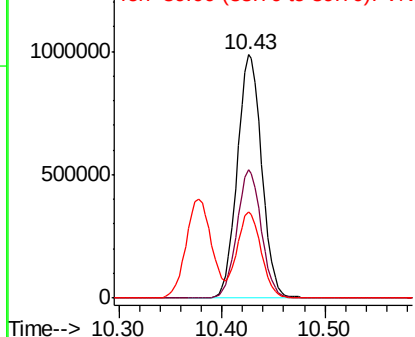


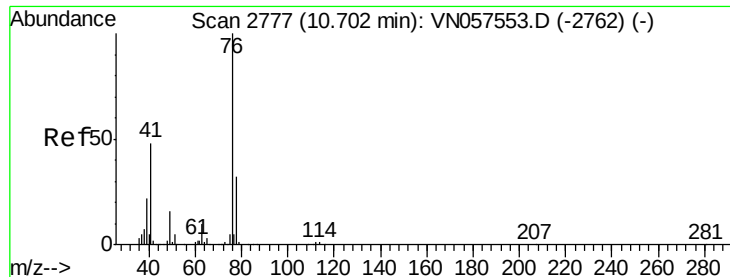
#56
 Ethyl methacrylate
 Concen: 152.032 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 69 Resp: 1635550
 Ion Ratio Lower Upper
 69 100
 41 52.0 60.8 91.2#
 39 34.8 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: 154.257 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

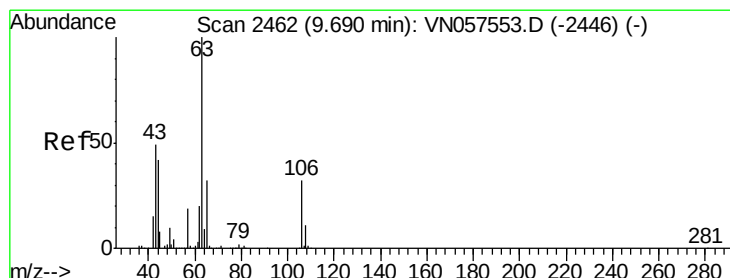
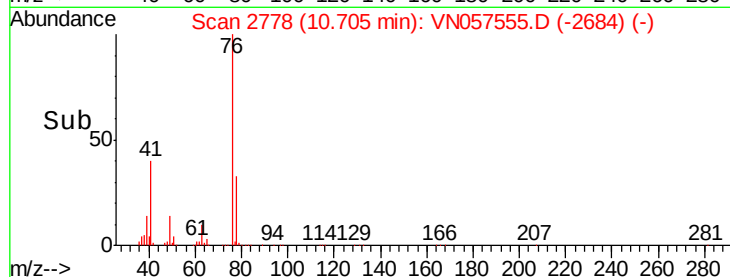
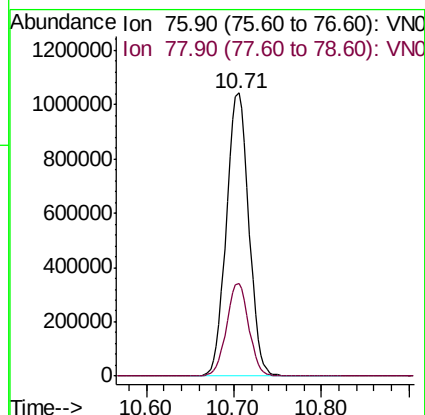
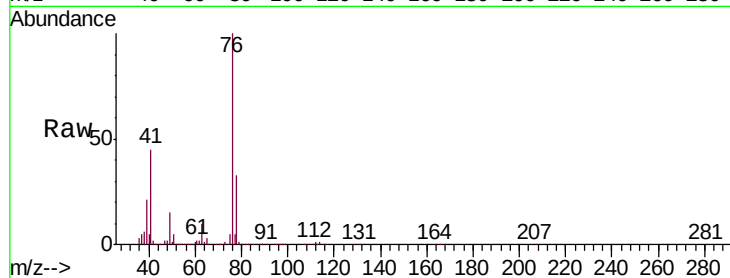
ClientSampled :

Tot Ion: 76 Resp: 1860268

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 872.326 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057555.D

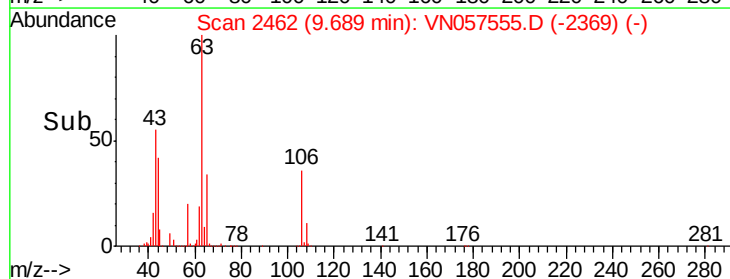
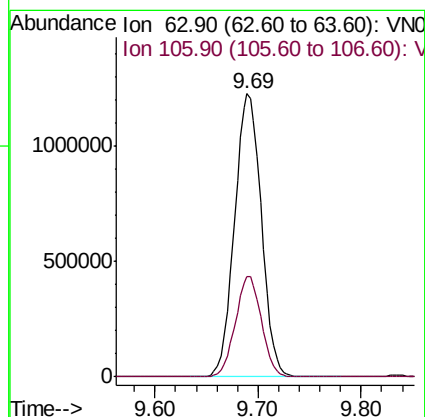
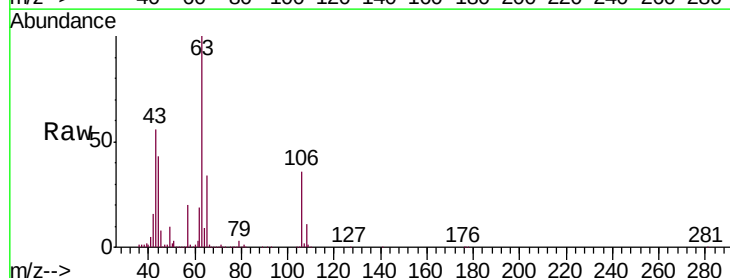
Acq: 29 Aug 2019 17:29

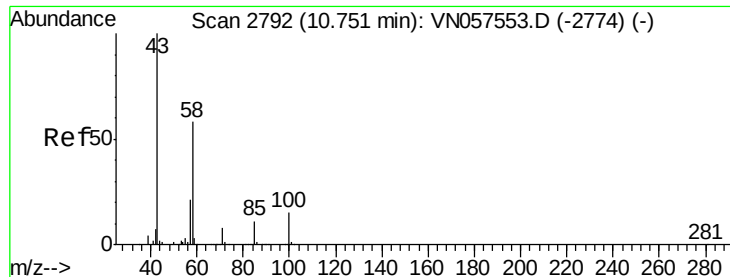
Tgt Ion: 63 Resp: 2218834

Ion Ratio Lower Upper

63 100

106 34.6 18.6 27.8#

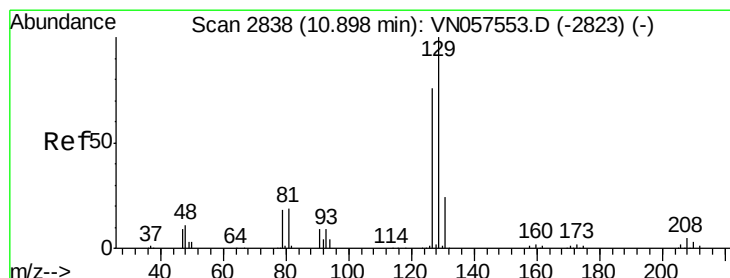
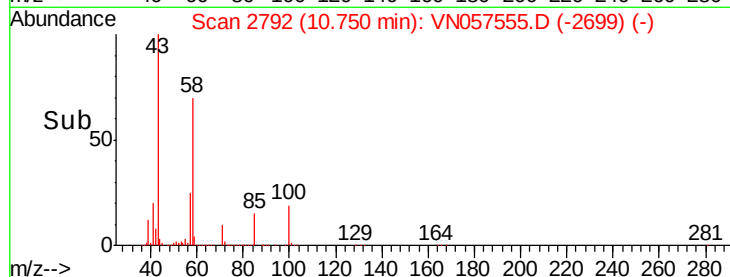
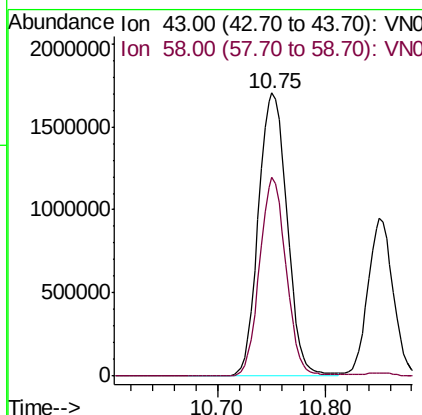
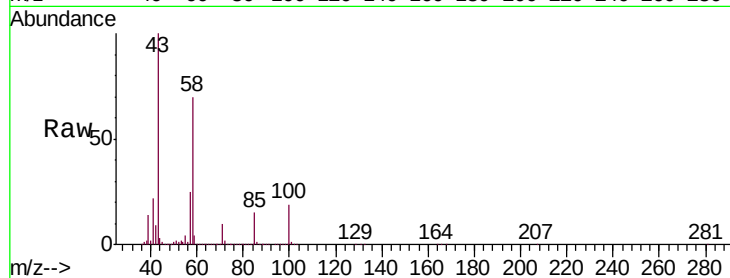




#59
2-Hexanone
Concen: 487.048 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

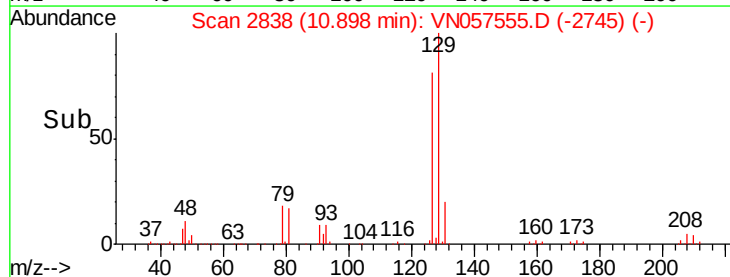
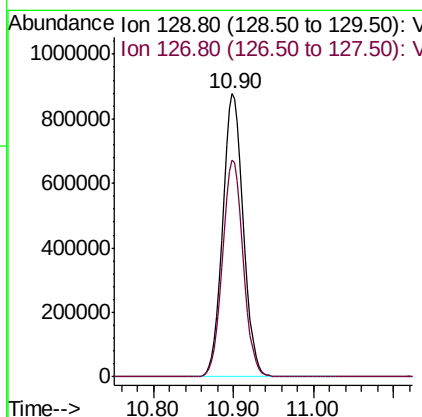
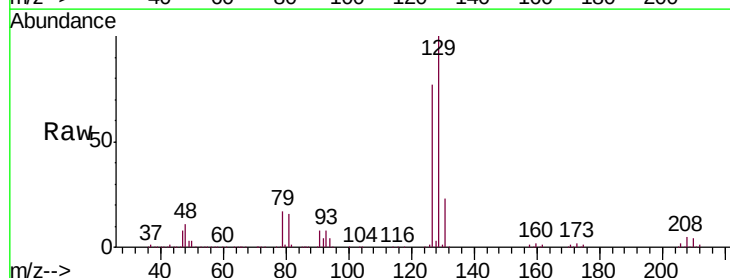
Instrument :
MSVOA_N
ClientSampleId :

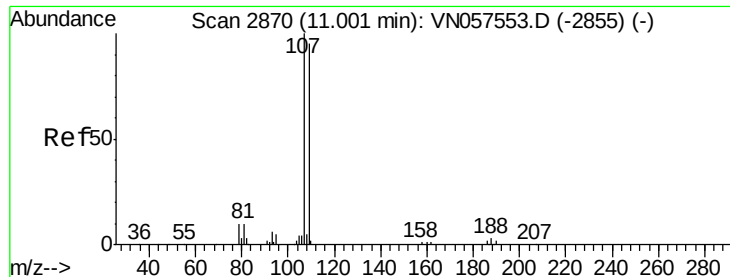
Tot Ion: 43 Resp: 3140565
Ion Ratio Lower Upper
43 100
58 65.2 24.6 73.6



#60
Dibromochloromethane
Concen: 204.212 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 129 Resp: 1566960
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

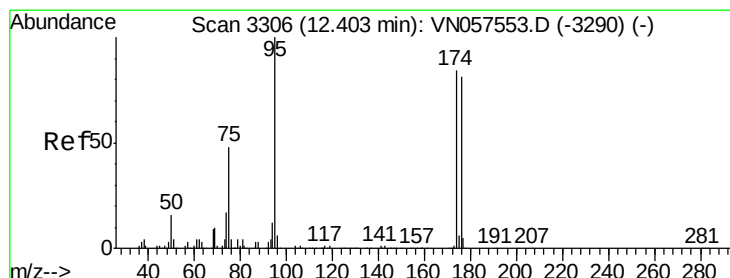
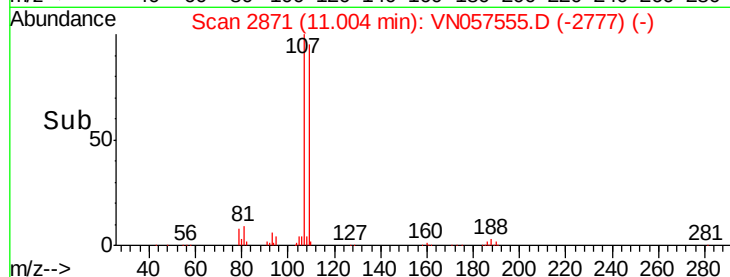
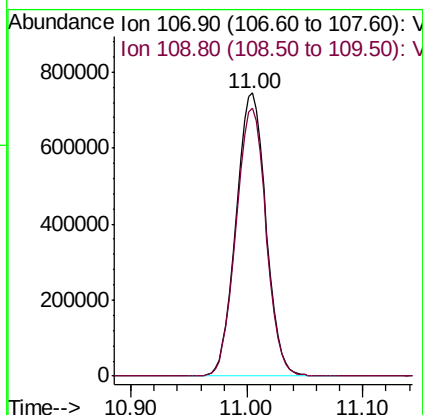
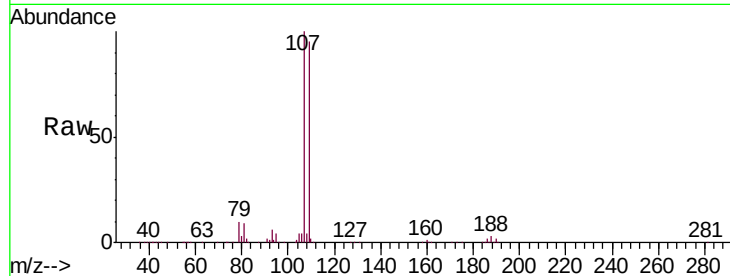




#61
 1,2-Dibromoethane
 Concen: 188.976 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

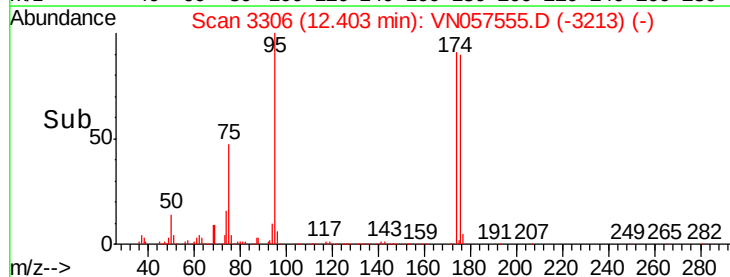
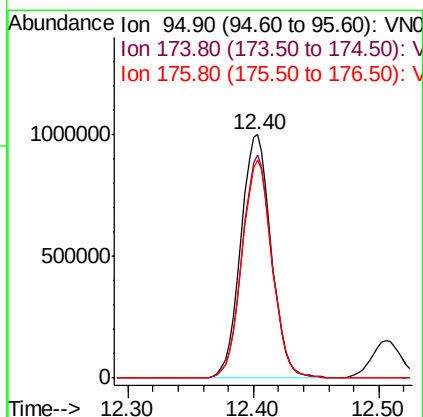
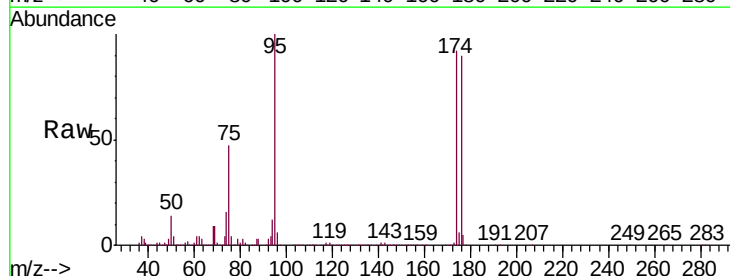
Instrument :
 MSVOA_N
 ClientSampled :

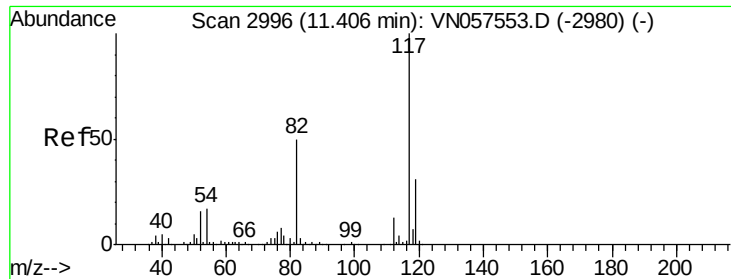
Tot Ion:107 Resp: 1329608
 Ion Ratio Lower Upper
 107 100
 109 95.3 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 192.622 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 95 Resp: 1684278
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 133.0
 176 88.4 0.0 130.8

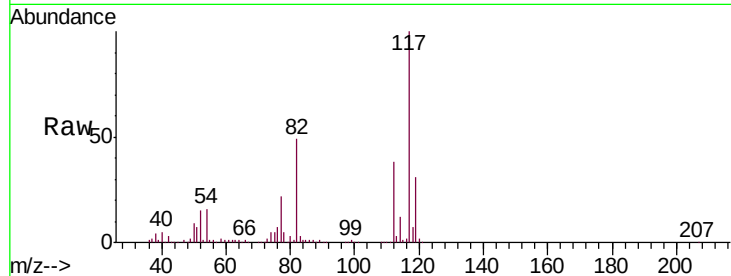




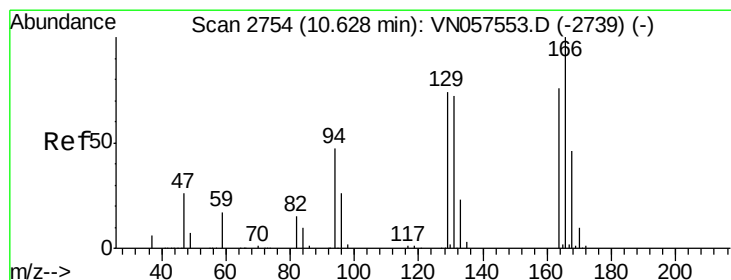
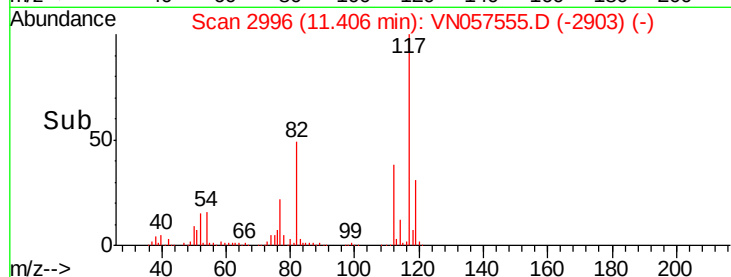
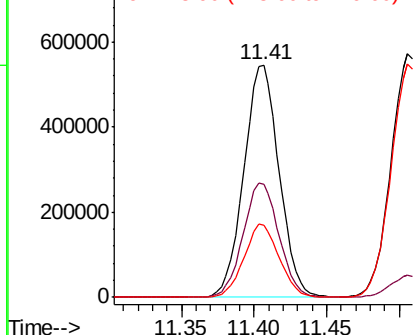
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 923994
Ion Ratio Lower Upper
117 100
82 48.9 50.6 75.8#
119 31.2 24.6 36.8

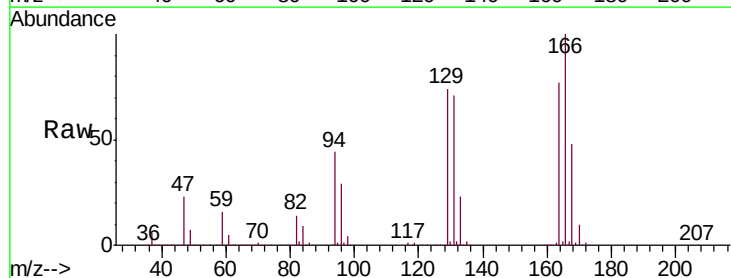


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

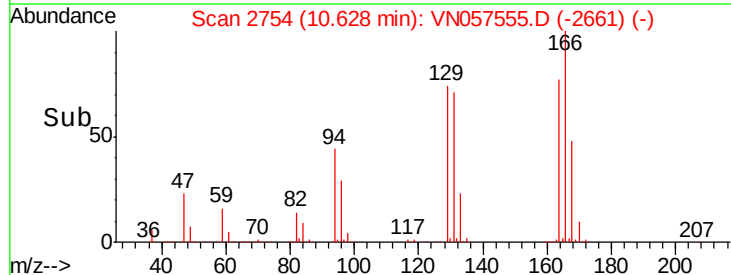
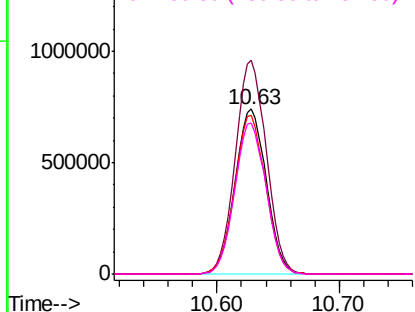


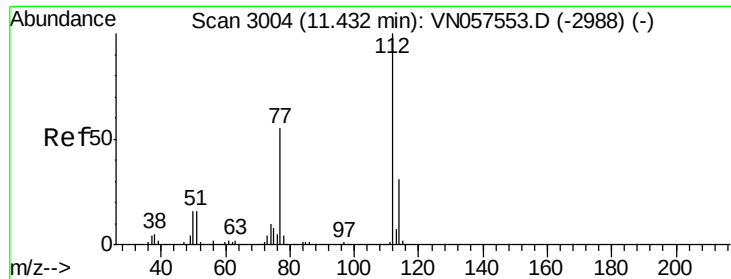
#64
Tetrachloroethene
Concen: 188.585 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion:164 Resp: 1310273
Ion Ratio Lower Upper
164 100
166 129.4 104.4 156.6
129 96.2 86.6 130.0
131 91.6 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

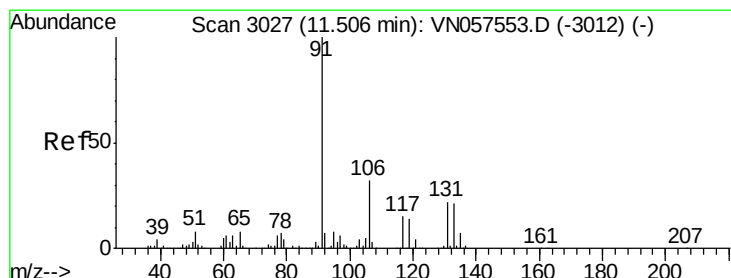
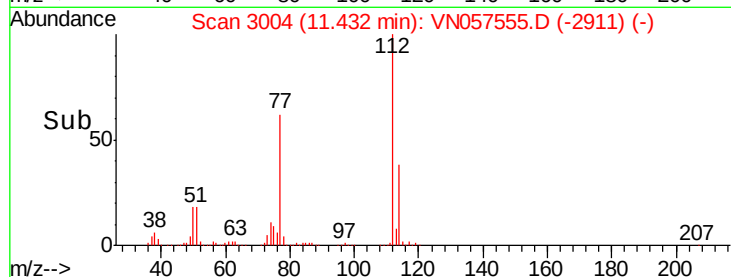
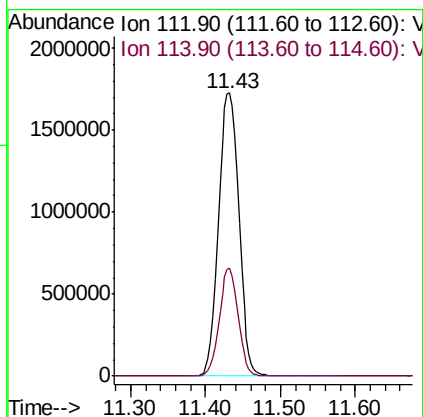
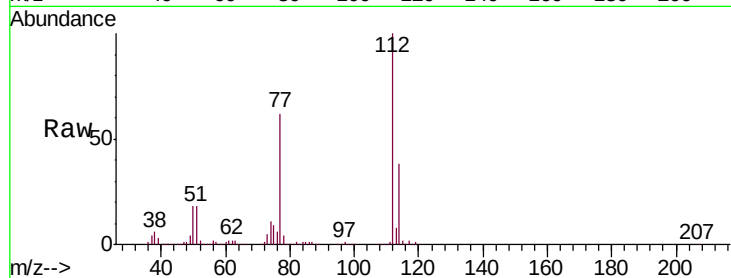




#65
Chlorobenzene
Concen: 165.621 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

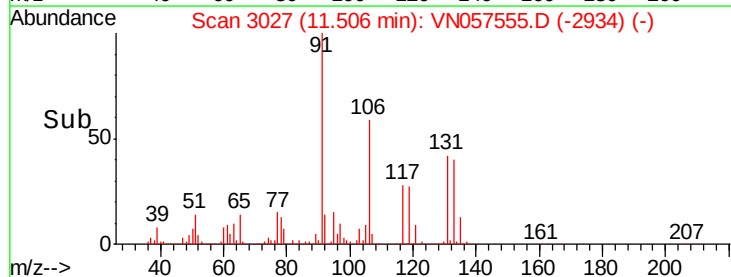
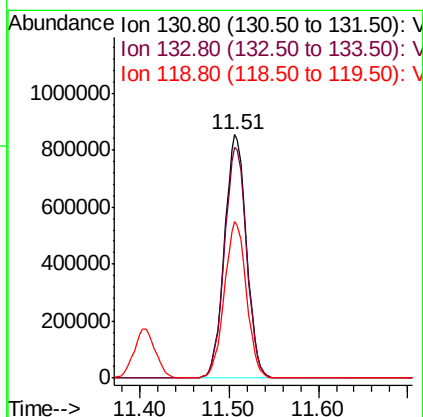
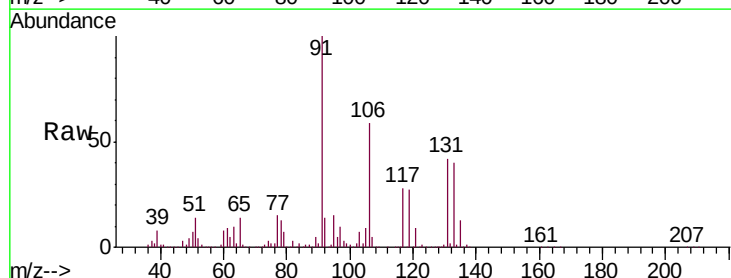
Instrument :
MSVOA_N
ClientSampleId :

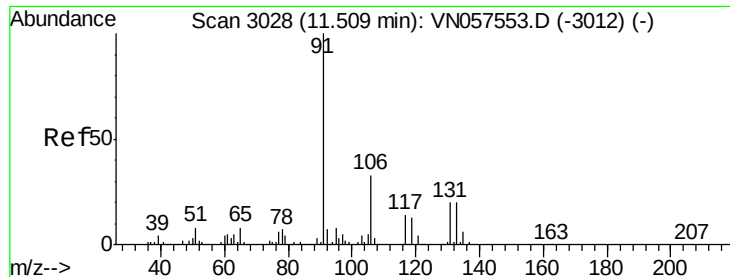
Tot Ion:112 Resp: 3262855
Ion Ratio Lower Upper
112 100
114 38.1 24.8 37.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 191.351 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion:131 Resp: 1453639
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 64.3 34.4 103.2





#67

Ethyl Benzene

Concen: 115.335 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

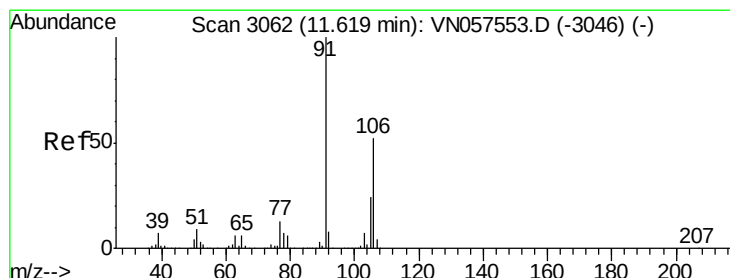
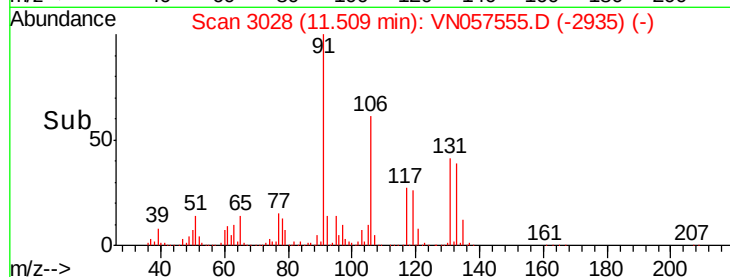
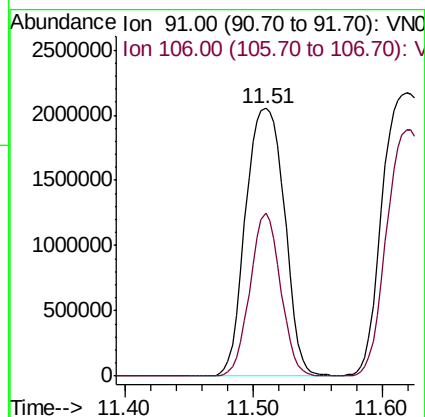
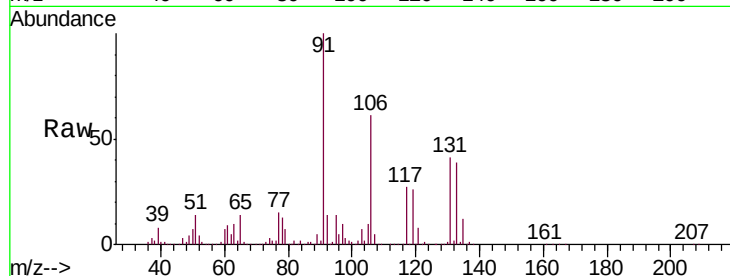
ClientSampled :

Tot Ion: 91 Resp: 4317451

Ion Ratio Lower Upper

91 100

106 60.7 24.1 36.1#



#68

m/p-Xylenes

Concen: 325.386 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057555.D

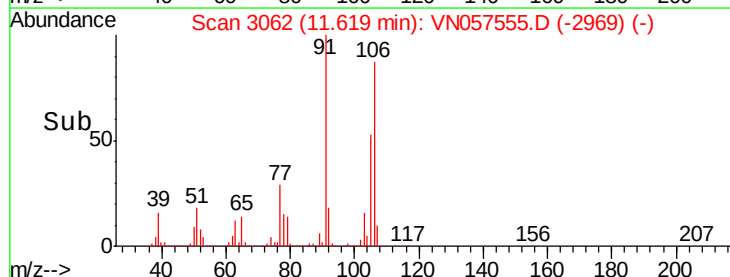
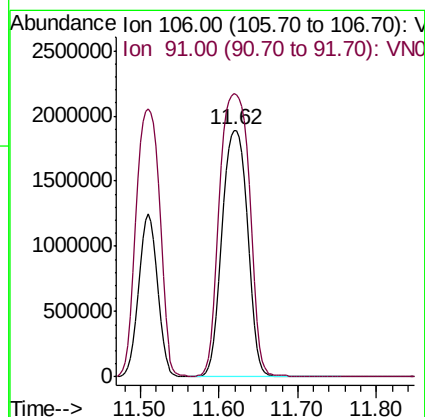
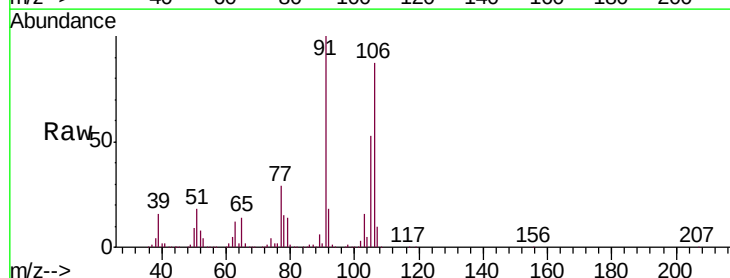
Acq: 29 Aug 2019 17:29

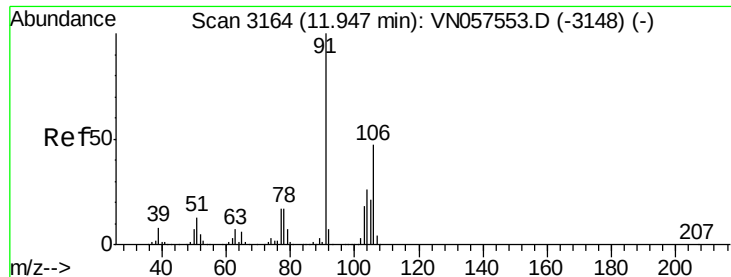
Tgt Ion:106 Resp: 4232619

Ion Ratio Lower Upper

106 100

91 135.5 171.8 257.6#

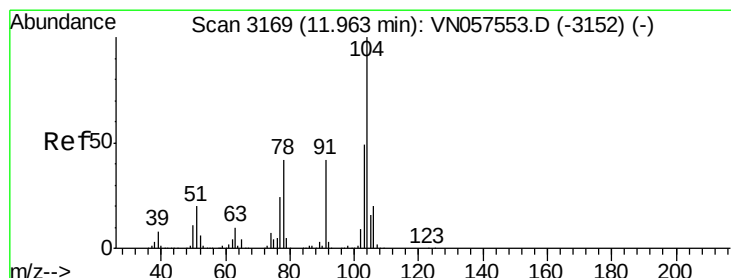
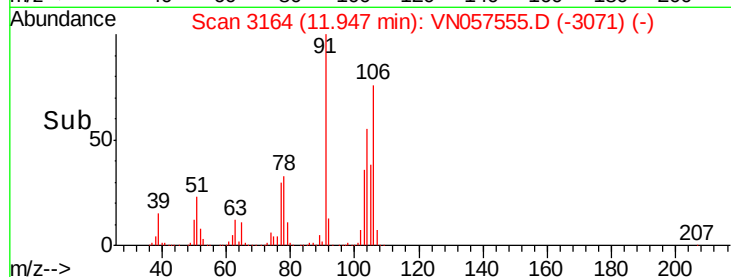
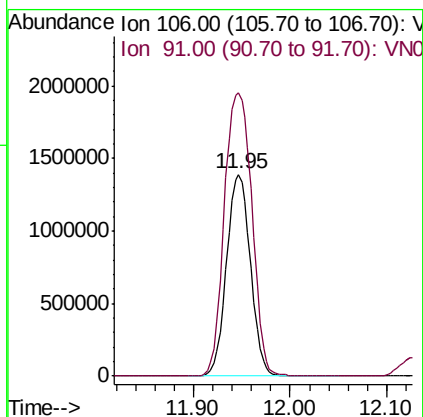
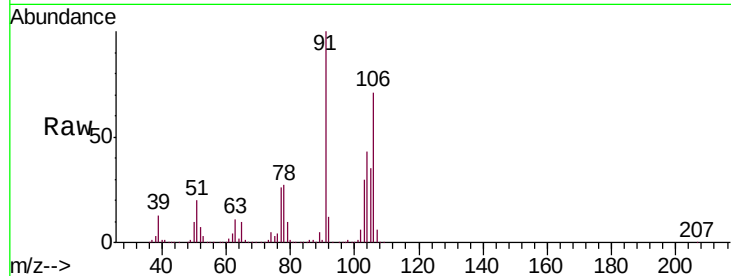




#69
o-Xylene
Concen: 185.528 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

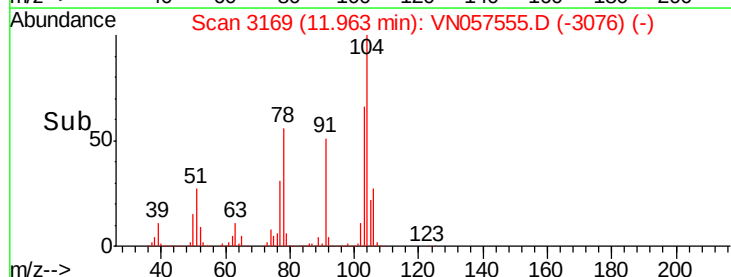
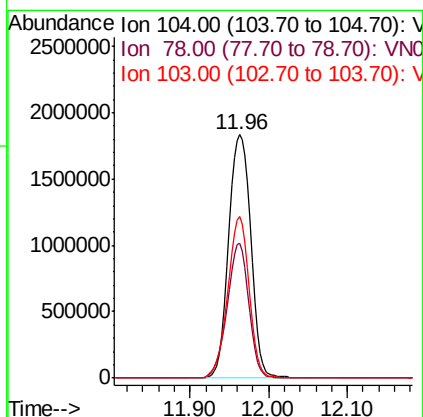
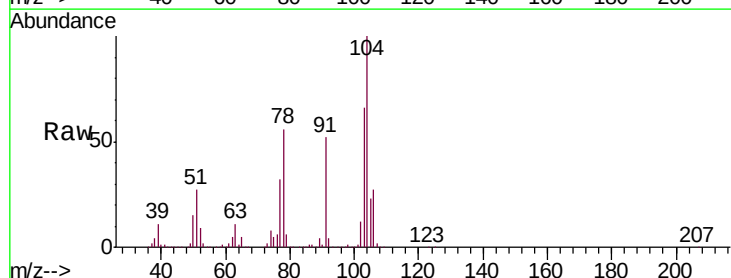
Instrument :
MSVOA_N
ClientSampled :

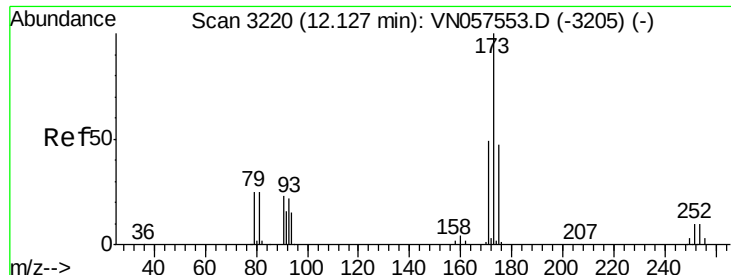
Tot Ion:106 Resp: 2380494
Ion Ratio Lower Upper
106 100
91 162.5 112.3 336.9



#70
Styrene
Concen: 175.407 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion:104 Resp: 3568521
Ion Ratio Lower Upper
104 100
78 53.9 44.7 67.1
103 63.7 44.4 66.6





#71

Bromoform

Concen: 221.598 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

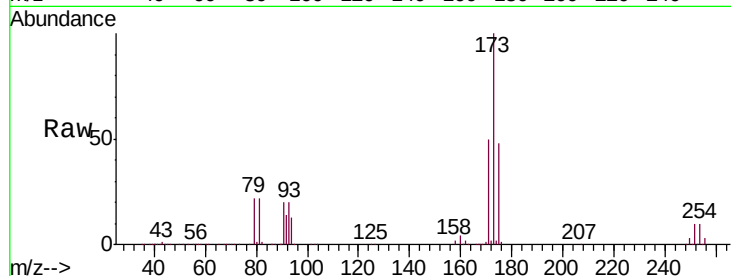
Tot Ion:173 Resp: 1143544

Ion Ratio Lower Upper

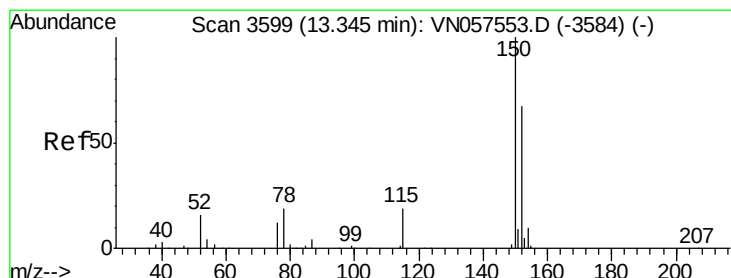
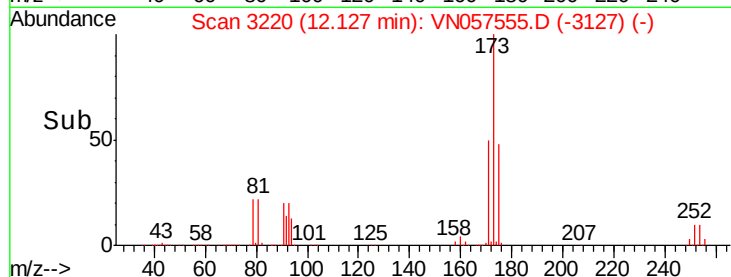
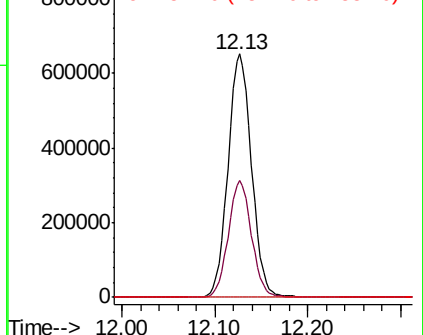
173 100

175 47.4 23.9 71.8

254 0.1 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: VN057555.D

Acq: 29 Aug 2019 17:29

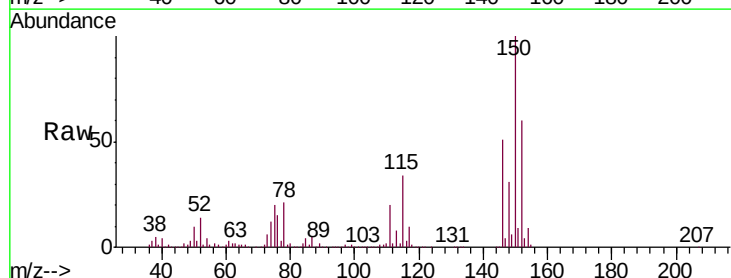
Tgt Ion:152 Resp: 535084

Ion Ratio Lower Upper

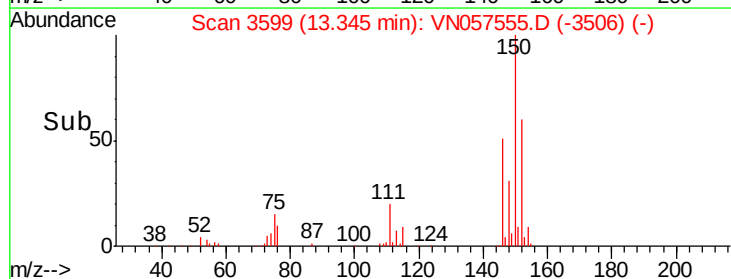
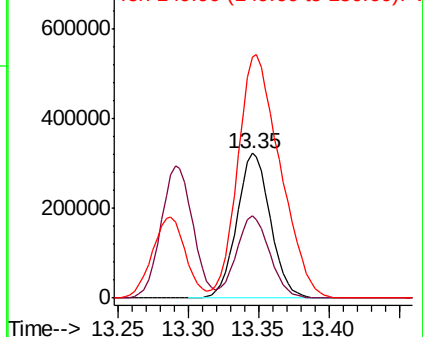
152 100

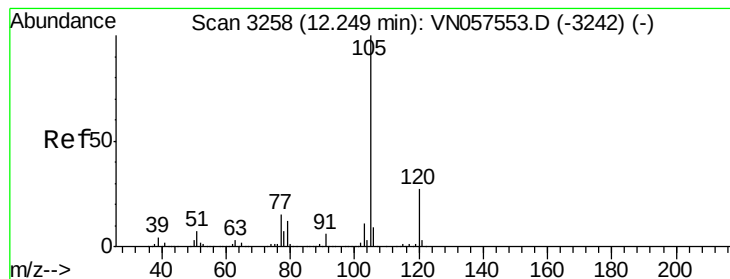
115 56.6 32.0 96.0

150 213.1 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: 73.864 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

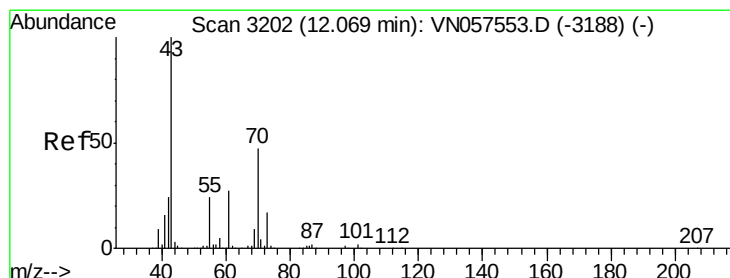
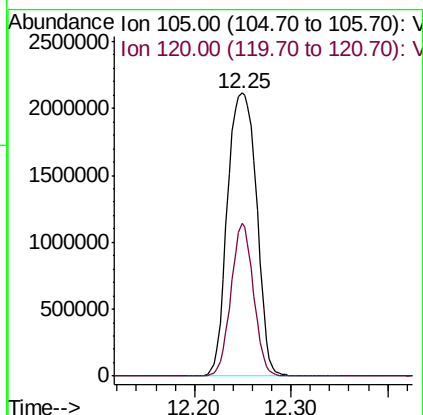
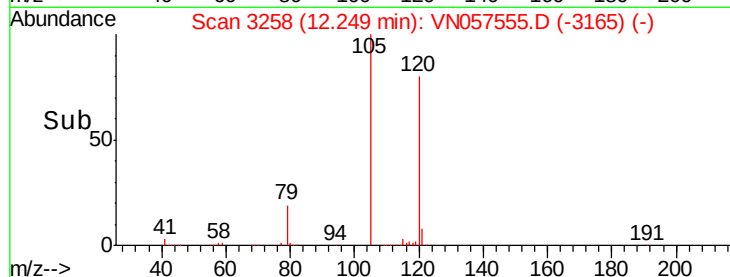
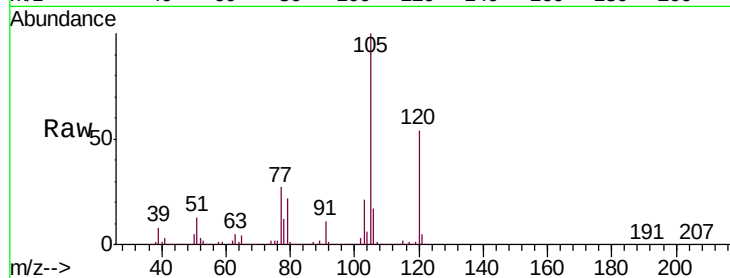
ClientSampleId :

Tot Ion:105 Resp: 4419491

Ion Ratio Lower Upper

105 100

120 41.7 12.7 38.0#



#74

N-ethyl acetate

Concen: 62.545 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 43 Resp: 1601693

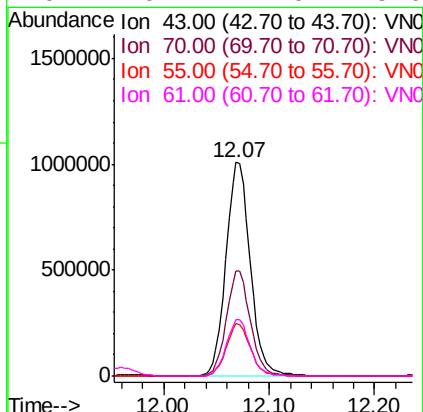
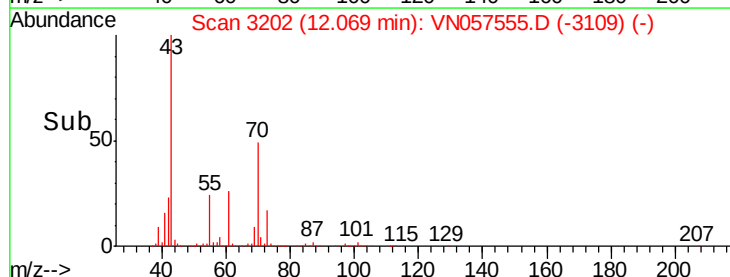
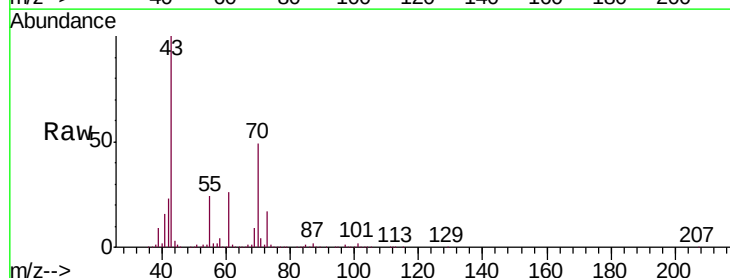
Ion Ratio Lower Upper

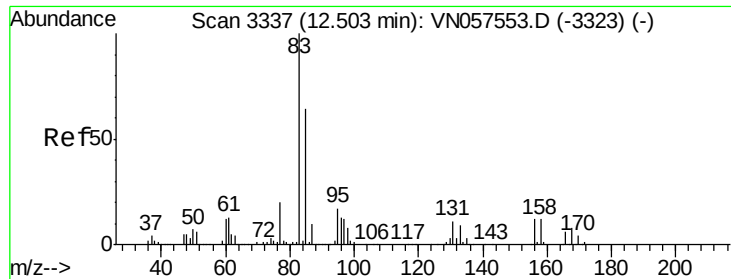
43 100

70 48.7 27.8 41.6#

55 24.3 17.0 25.4

61 26.2 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 87.657 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

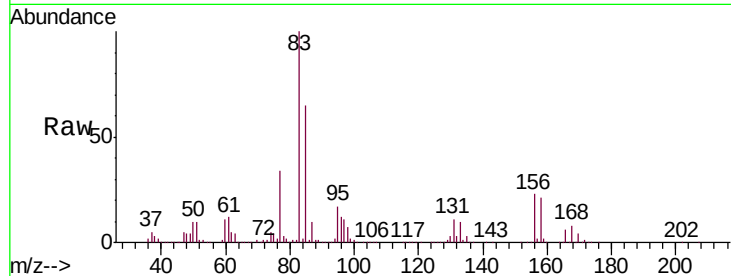
Tot Ion: 83 Resp: 1504253

Ion Ratio Lower Upper

83 100

131 11.6 4.3 13.1

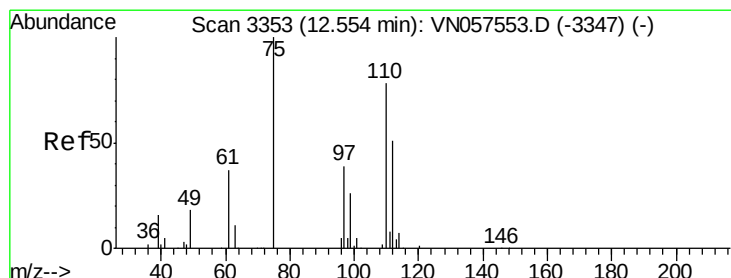
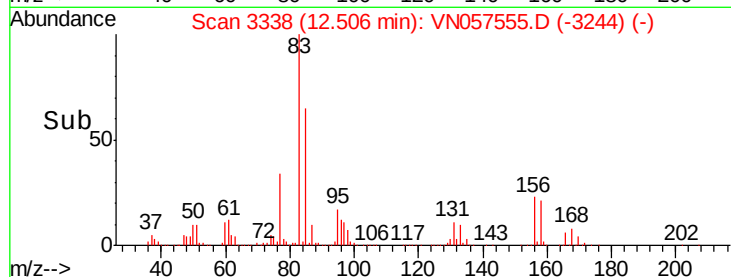
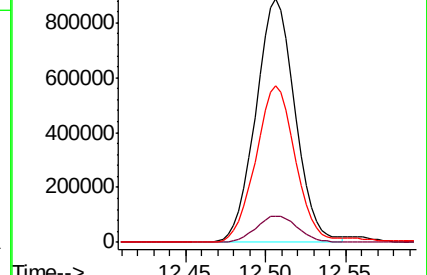
85 64.8 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 144.686 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057555.D

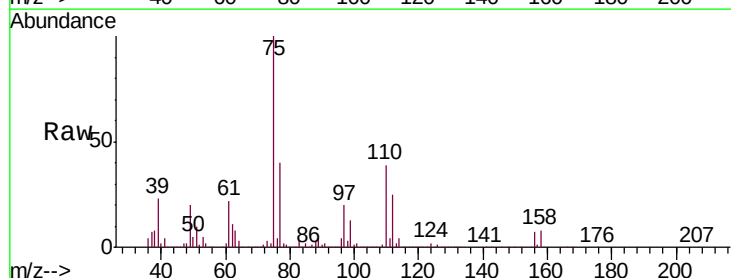
Acq: 29 Aug 2019 17:29

Tgt Ion: 75 Resp: 1919703

Ion Ratio Lower Upper

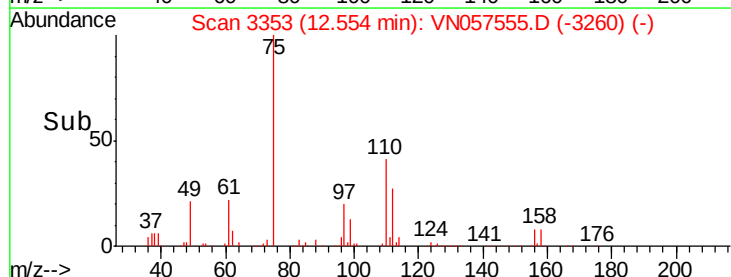
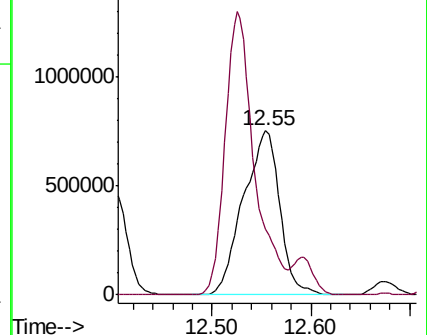
75 100

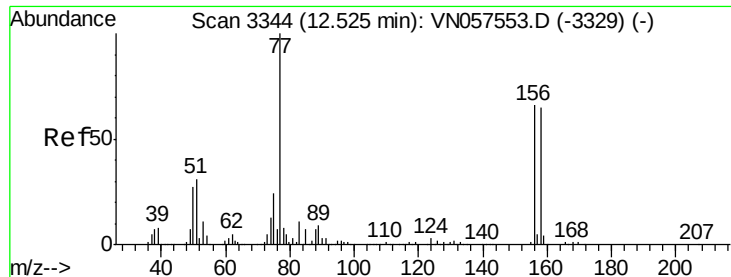
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 139.743 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

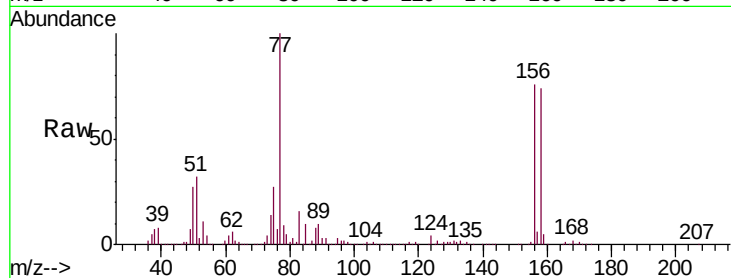
Tot Ion:156 Resp: 1698280

Ion Ratio Lower Upper

156 100

77 159.4 124.4 373.3

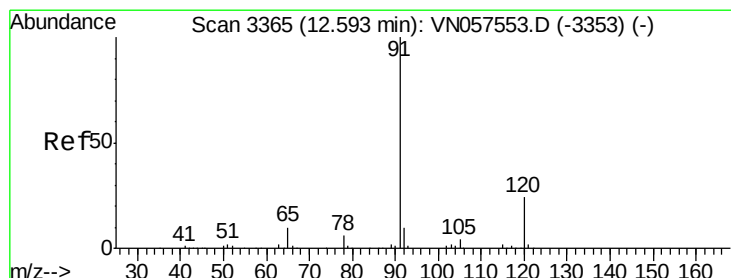
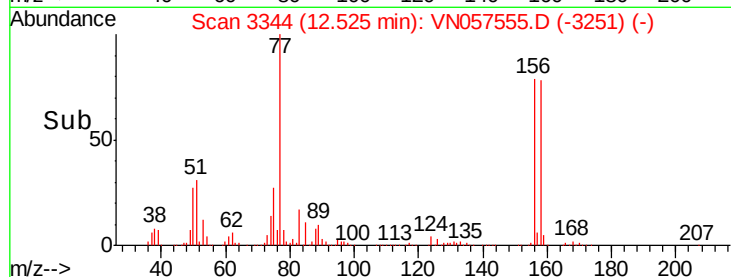
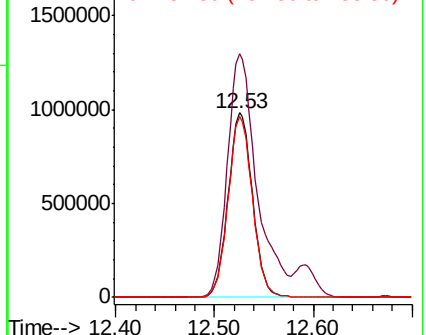
158 97.6 48.3 144.8



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: 72.058 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057555.D

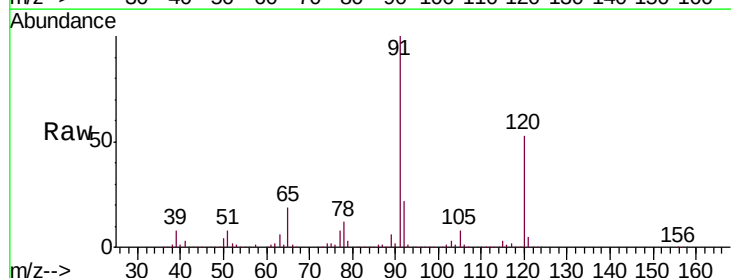
Acq: 29 Aug 2019 17:29

Tgt Ion: 91 Resp: 4539661

Ion Ratio Lower Upper

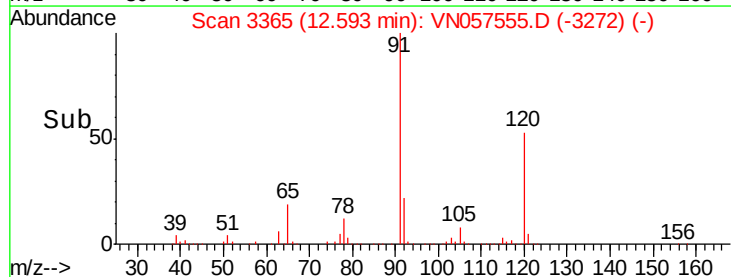
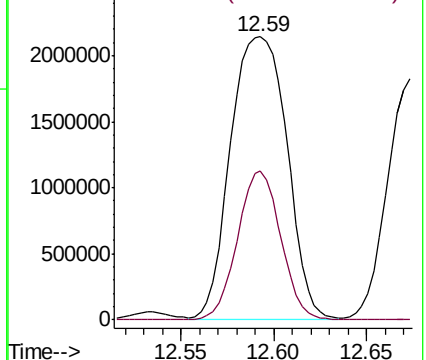
91 100

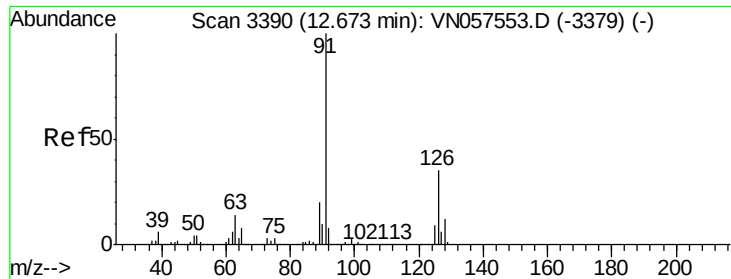
120 40.1 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 94.262 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

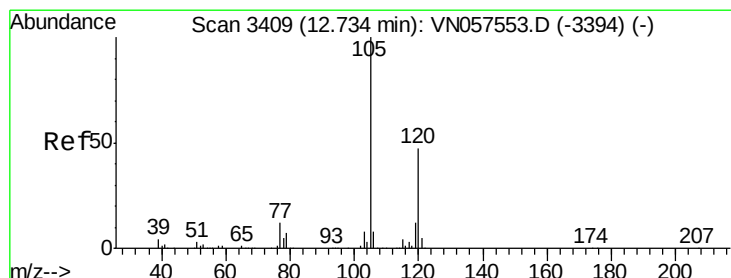
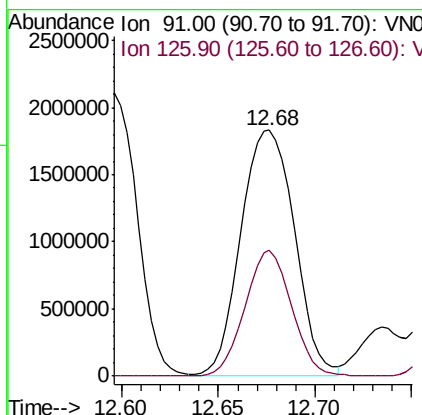
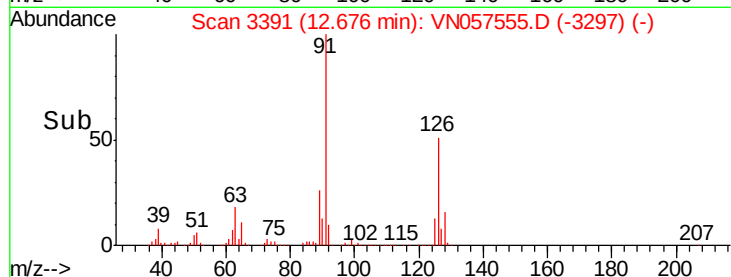
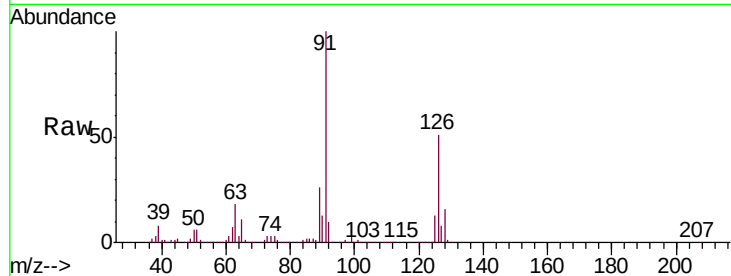
ClientSampled :

Tot Ion: 91 Resp: 3538765

Ion Ratio Lower Upper

91 100

126 44.5 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 85.399 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057555.D

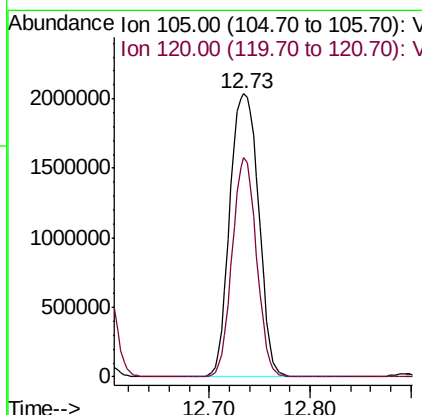
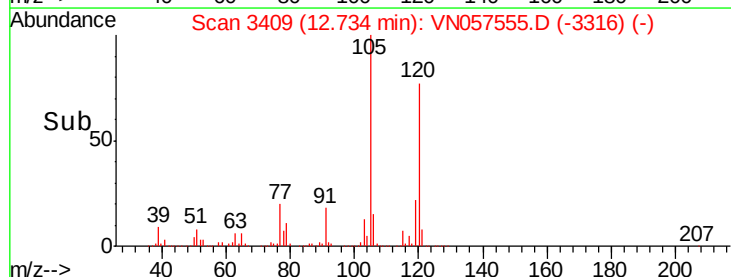
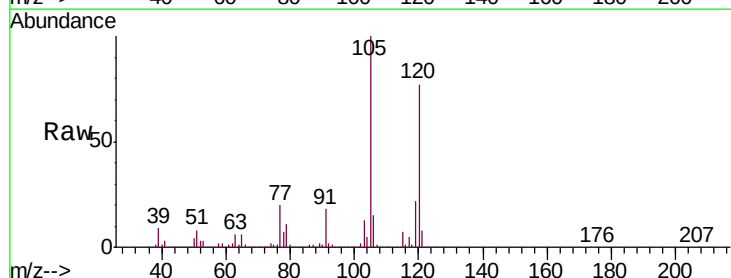
Acq: 29 Aug 2019 17:29

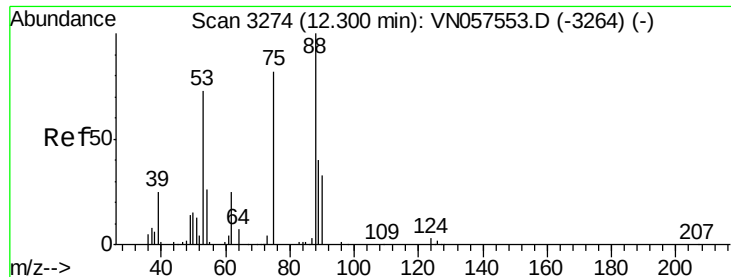
Tgt Ion: 105 Resp: 4047161

Ion Ratio Lower Upper

105 100

120 65.5 23.3 69.8

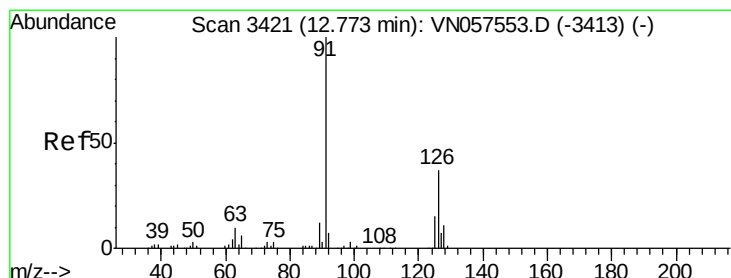
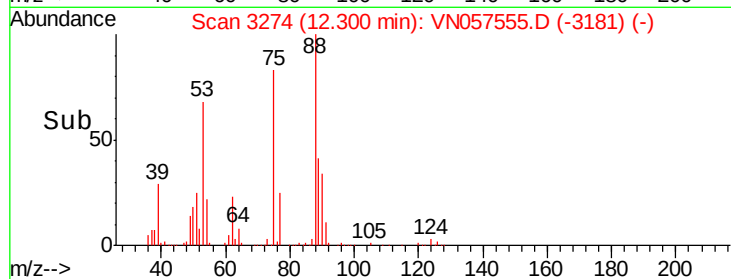
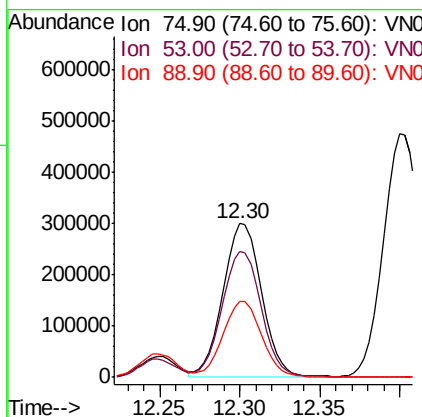
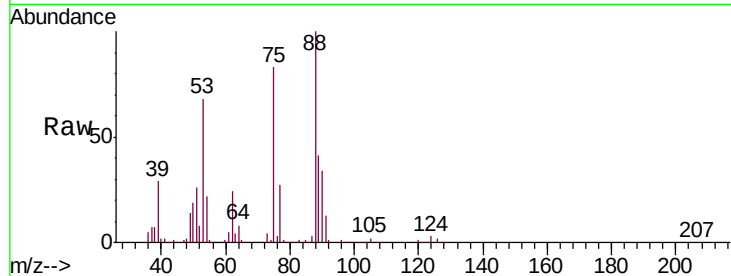




#81
trans-1,4-Dichloro-2-butene
Concen: 96.616 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

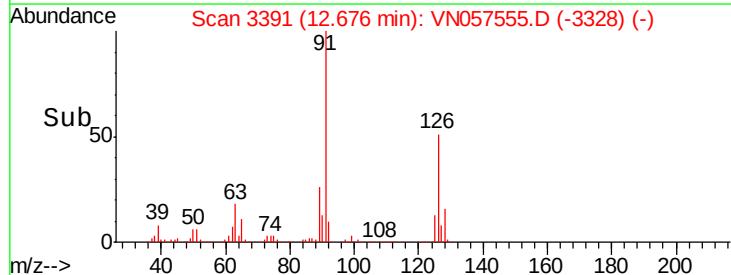
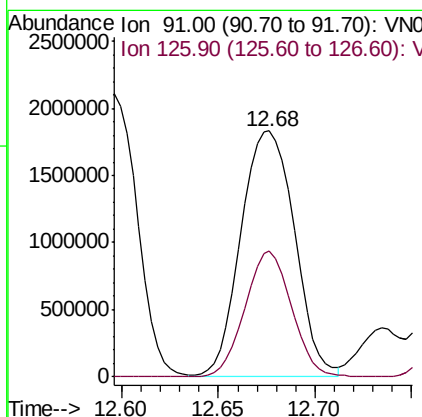
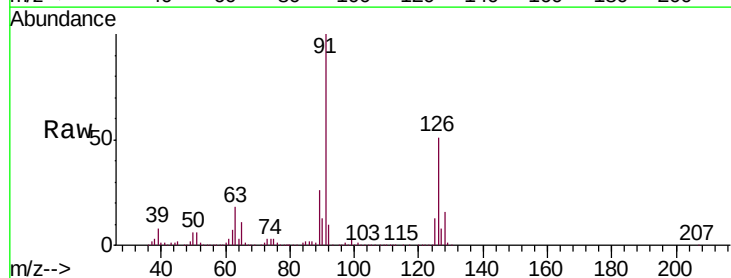
Instrument :
MSVOA_N
ClientSampleId :

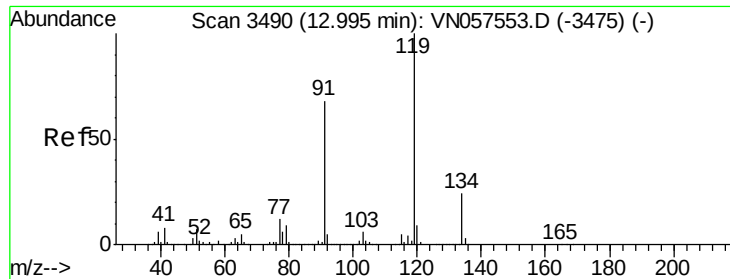
Tot Ion: 75 Resp: 487272
Ion Ratio Lower Upper
75 100
53 84.6 82.7 124.1
89 50.4 35.8 53.8



#82
4-Chlorotoluene
Concen: 98.608 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. -0.10 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 91 Resp: 3538457
Ion Ratio Lower Upper
91 100
126 44.5 15.0 45.0

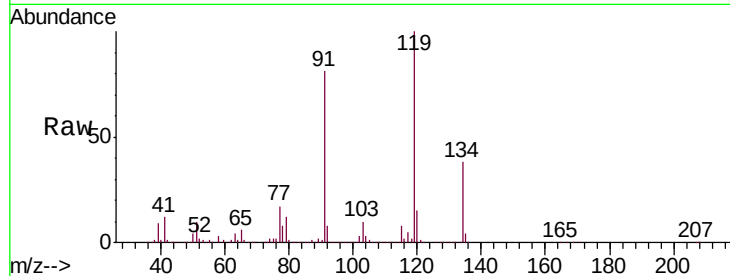




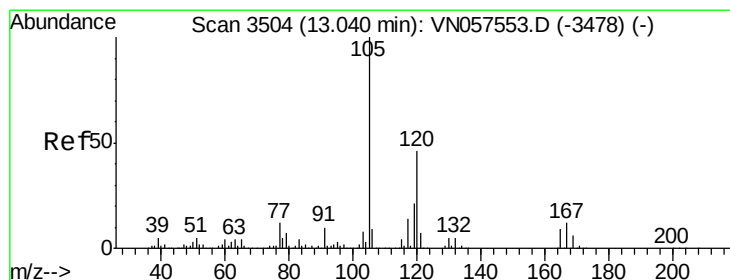
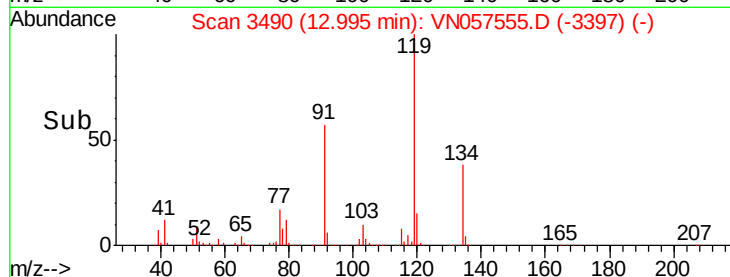
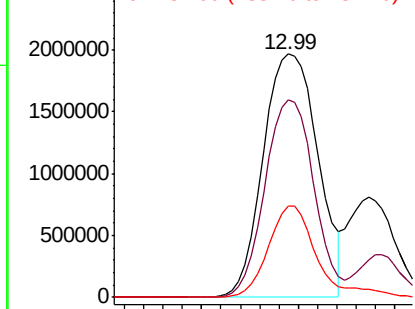
#83
 tert-Butylbenzene
 Concen: 91.696 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 3882654
 Ion Ratio Lower Upper
 119 100
 91 72.8 37.0 111.0
 134 33.2 12.2 36.6

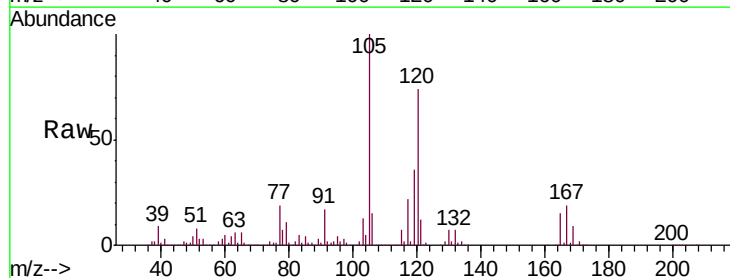


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

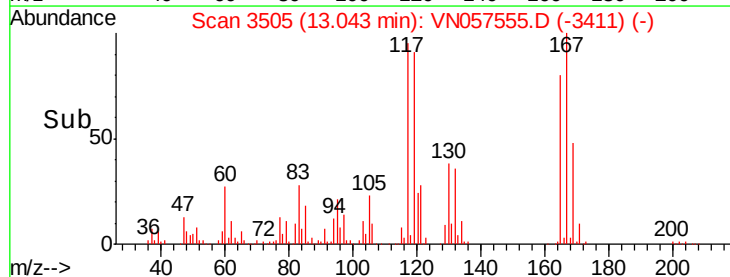
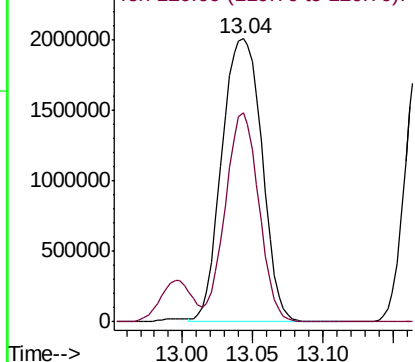


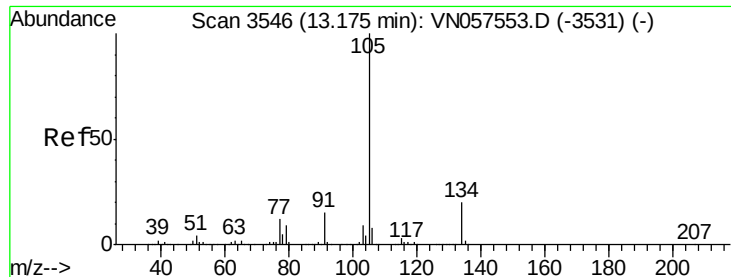
#84
 1,2,4-Trimethylbenzene
 Concen: 94.839 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion:105 Resp: 3987377
 Ion Ratio Lower Upper
 105 100
 120 62.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 83.578 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

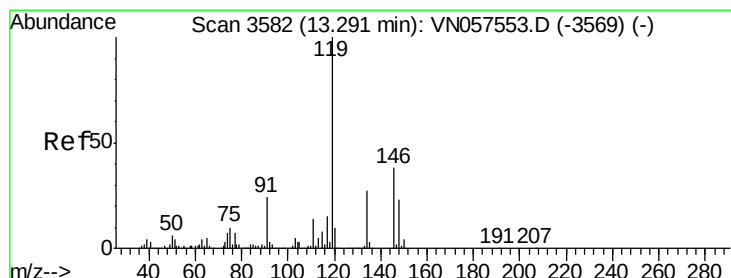
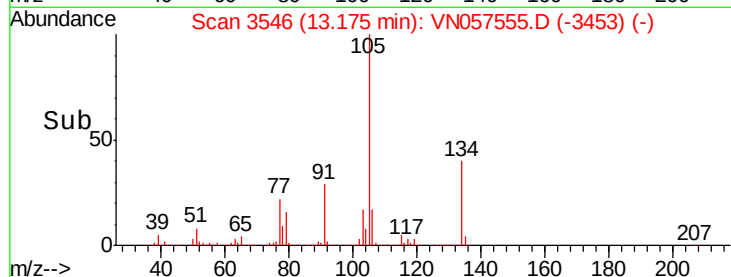
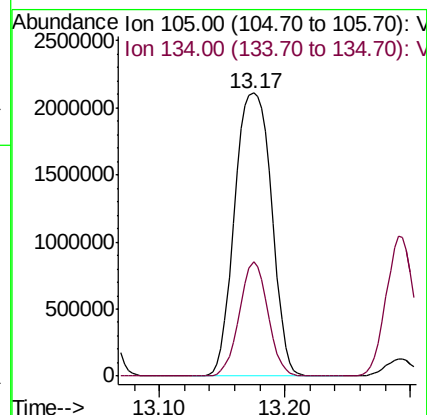
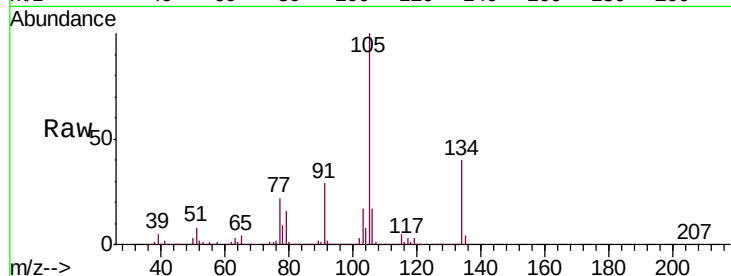
ClientSampled :

Tot Ion:105 Resp: 4313335

Ion Ratio Lower Upper

105 100

134 31.2 9.3 27.9#



#86

p-Isopropyltoluene

Concen: 96.461 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

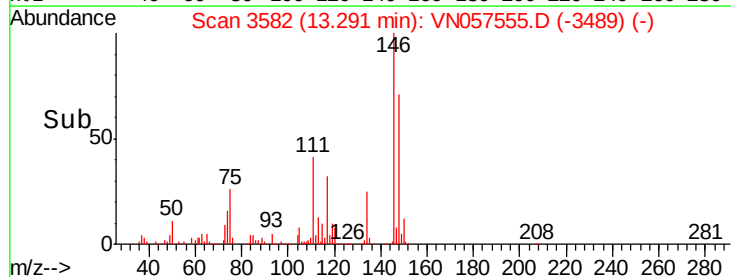
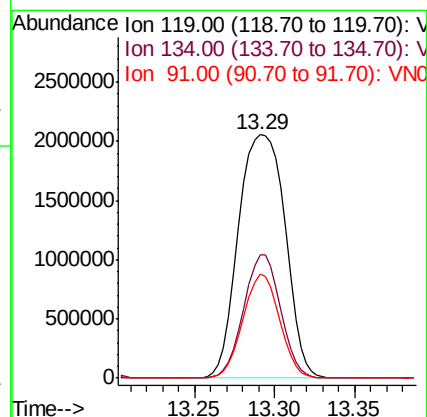
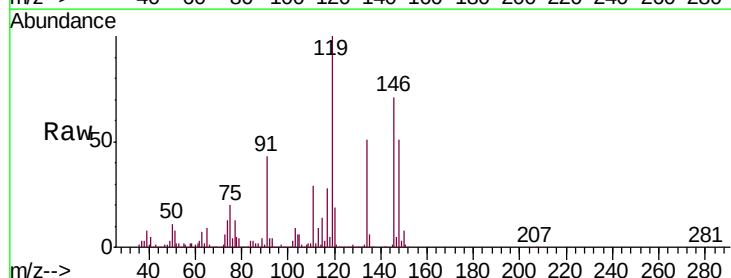
Tgt Ion:119 Resp: 4108616

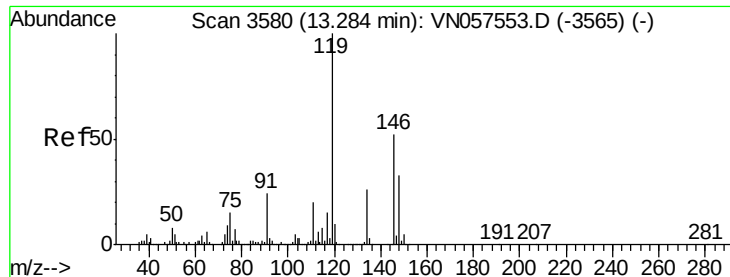
Ion Ratio Lower Upper

119 100

134 40.0 12.7 38.1#

91 33.2 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 156.198 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

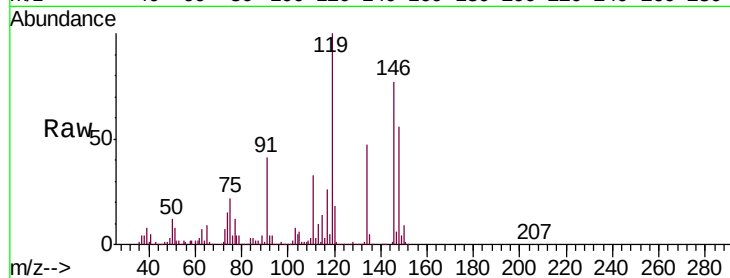
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 2789720

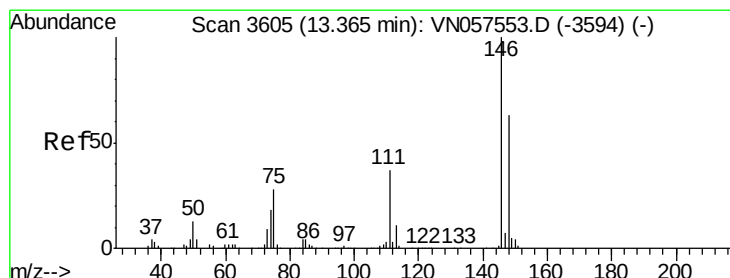
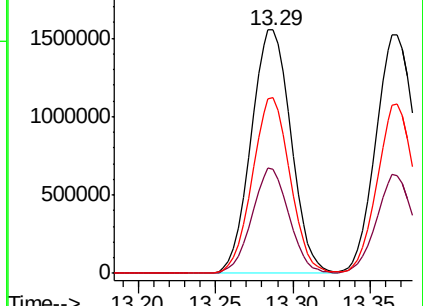
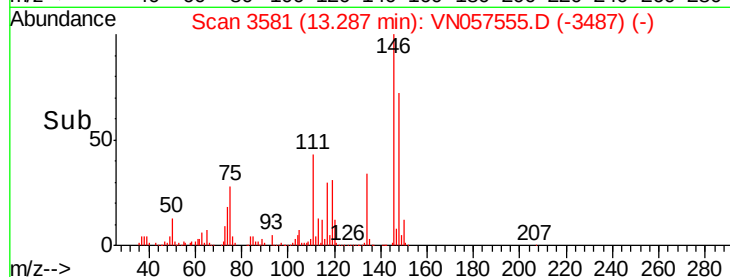
Ion	Ratio	Lower	Upper
146	100		
111	40.1	22.1	66.1
148	68.6	31.9	95.9



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: 157.005 ug/l

RT: 13.36 min Scan# 3605

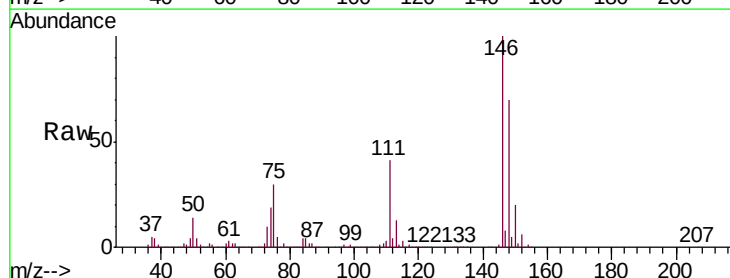
Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion:146 Resp: 2733620

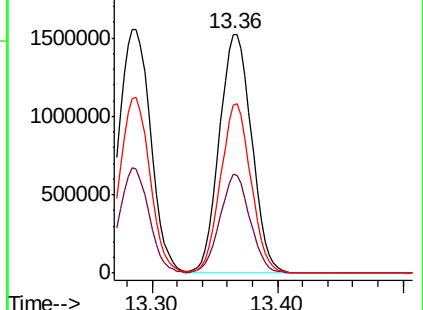
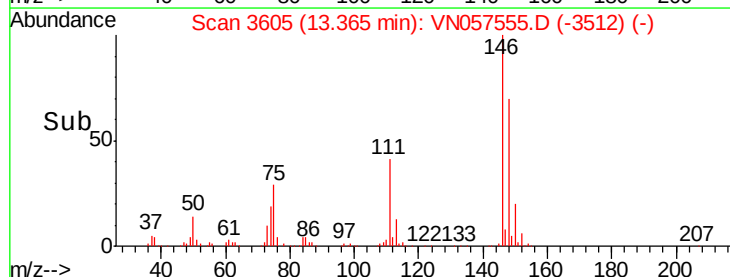
Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.9	65.5
148	66.8	31.1	93.2

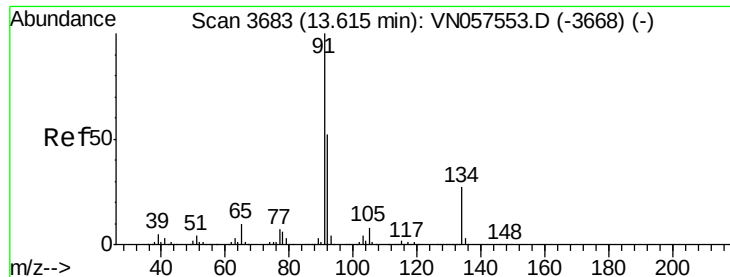


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 100.938 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

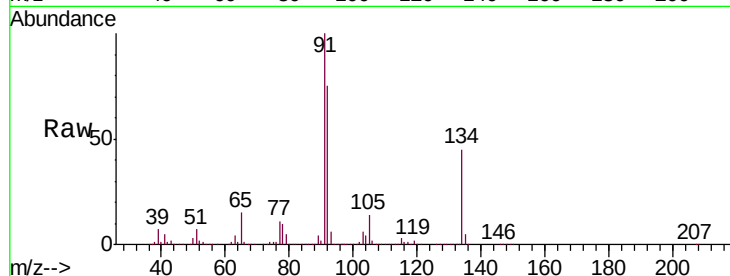
Tot Ion: 91 Resp: 3561187

Ion Ratio Lower Upper

91 100

92 65.7 25.7 77.0

134 37.5 11.4 34.1#

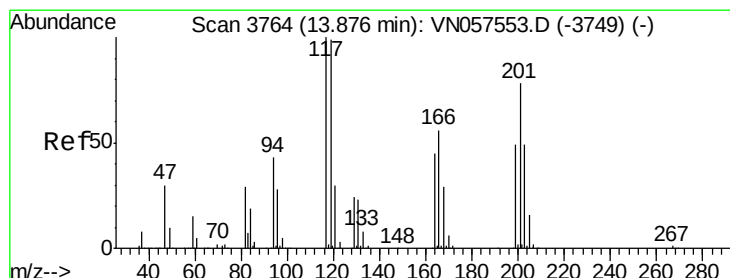
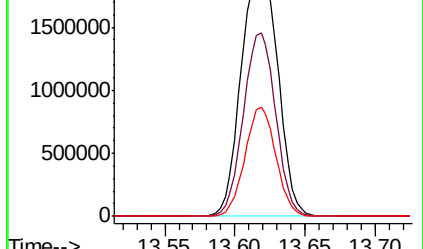
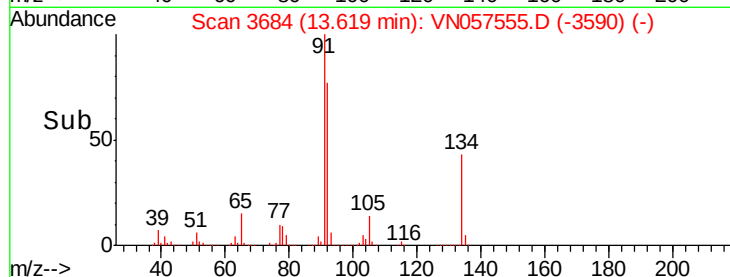


Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3668) (-)

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: 112.835 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057555.D

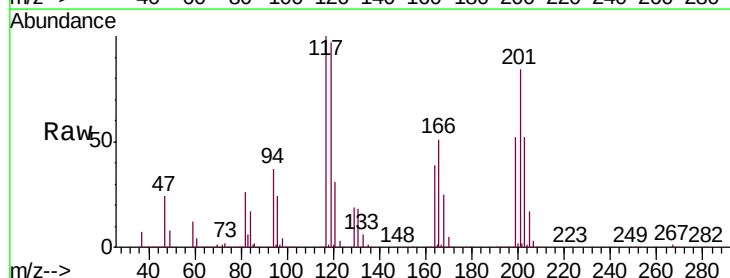
Acq: 29 Aug 2019 17:29

Tgt Ion: 117 Resp: 1088613

Ion Ratio Lower Upper

117 100

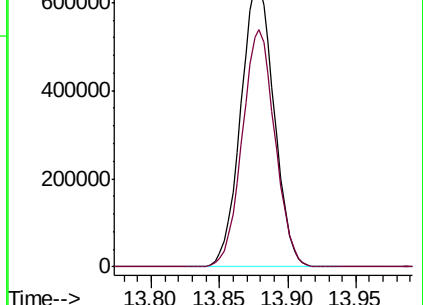
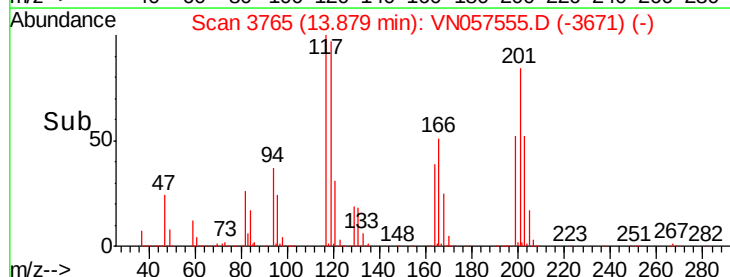
201 82.3 33.1 99.3

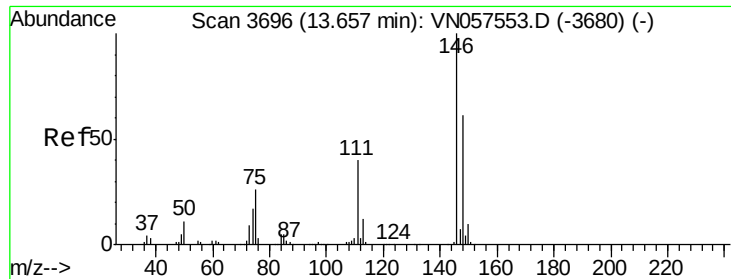


Abundance Ion 116.80 (116.50 to 117.50): VN057553.D (-3749) (-)

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

Time-->

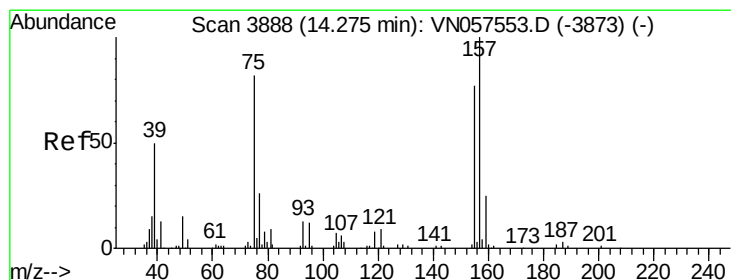
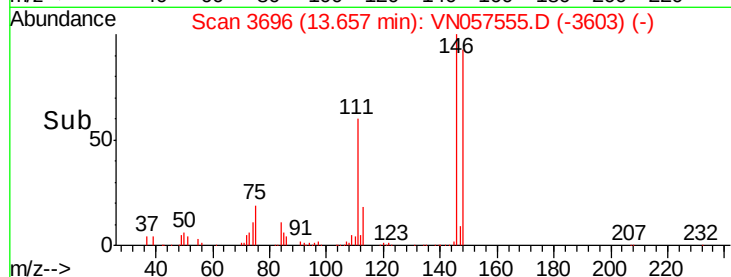
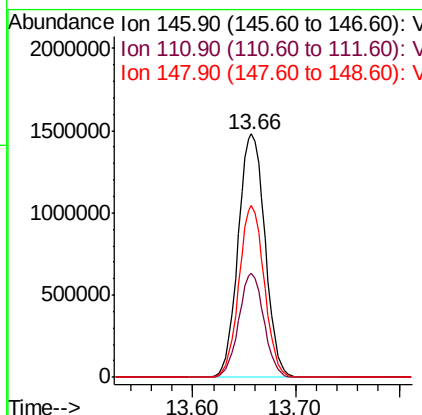
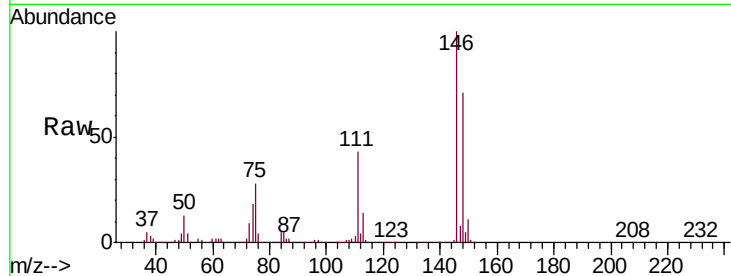




#91
 1,2-Dichlorobenzene
 Concen: 156.676 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

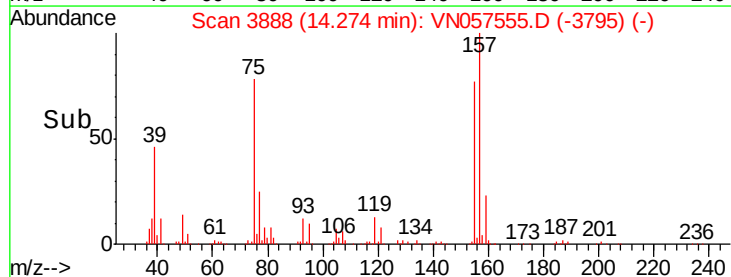
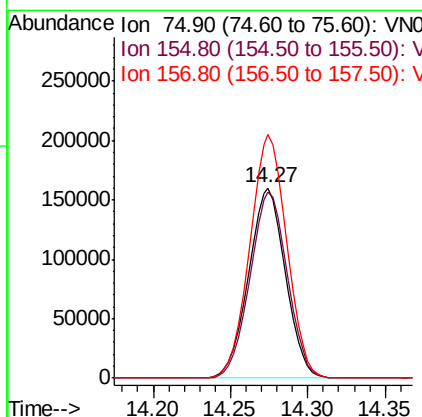
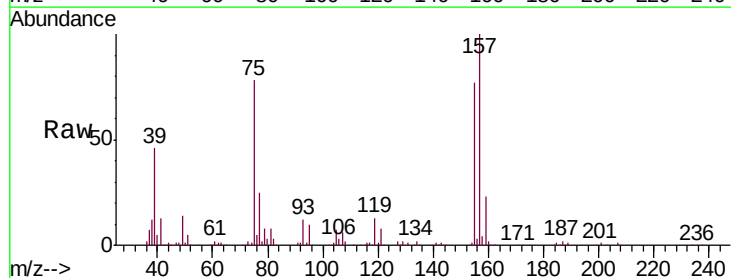
Instrument :
 MSVOA_N
 ClientSampleId :

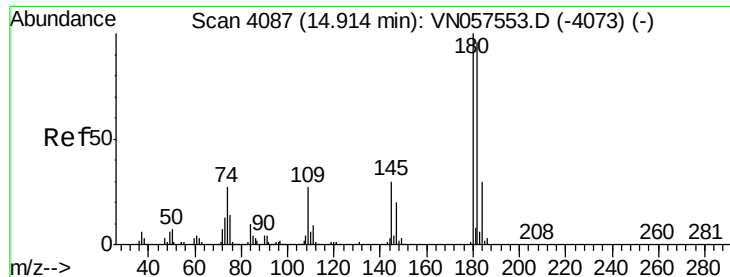
Tot Ion:146 Resp: 2668779
 Ion Ratio Lower Upper
 146 100
 111 40.3 23.1 69.2
 148 66.8 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.334 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 75 Resp: 266097
 Ion Ratio Lower Upper
 75 100
 155 98.8 31.6 94.7#
 157 128.0 43.3 129.8

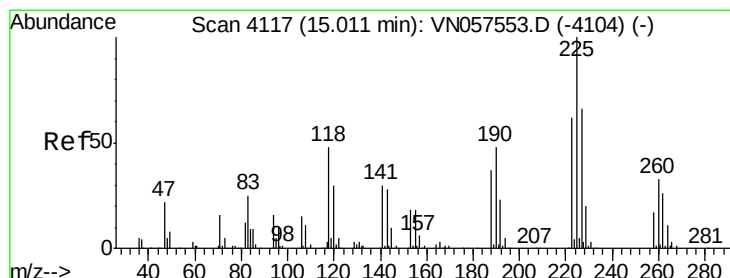
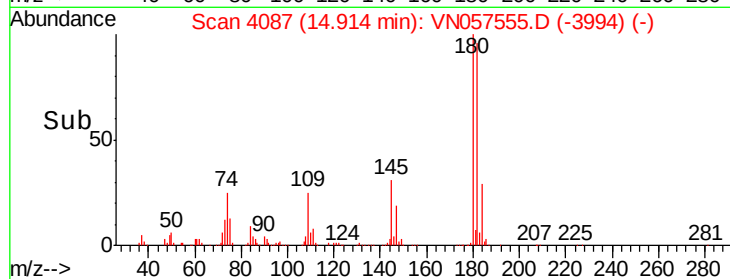
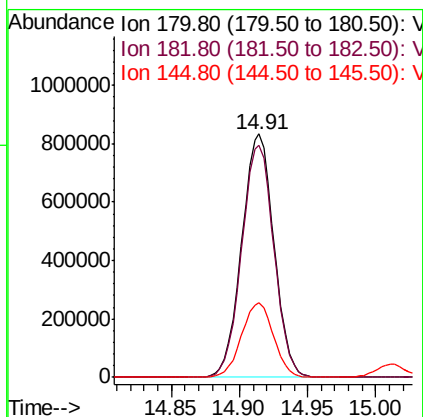
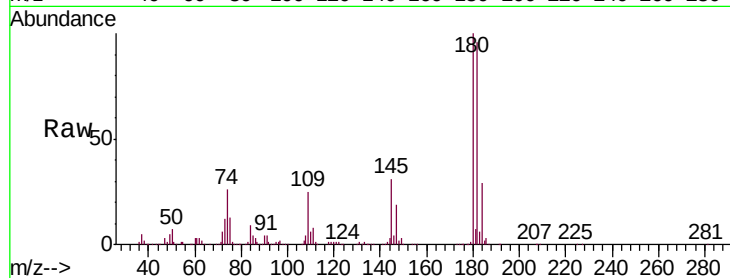




#93
 1,2,4-Trichlorobenzene
 Concen: 218.703 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

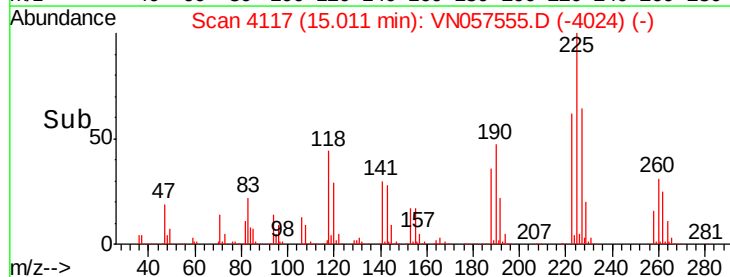
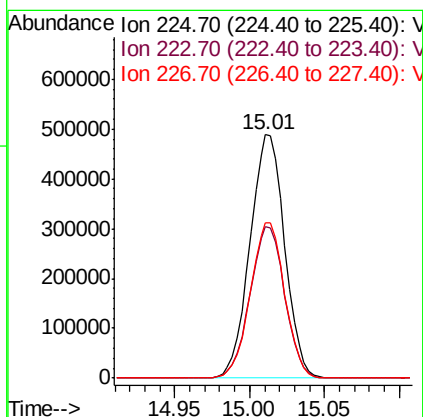
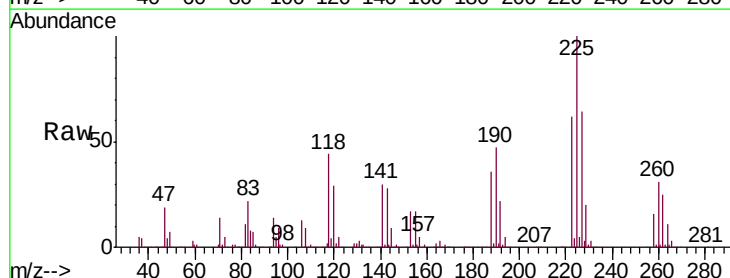
Instrument :
 MSVOA_N
 ClientSampled :

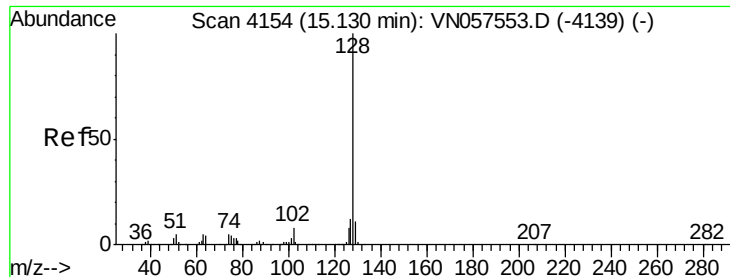
Tot Ion:180 Resp: 1362603
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.7 140.1
 145 30.5 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 147.898 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion:225 Resp: 785554
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.2
 227 63.4 31.5 94.5





#95

Naphthalene

Concen: 160.659 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

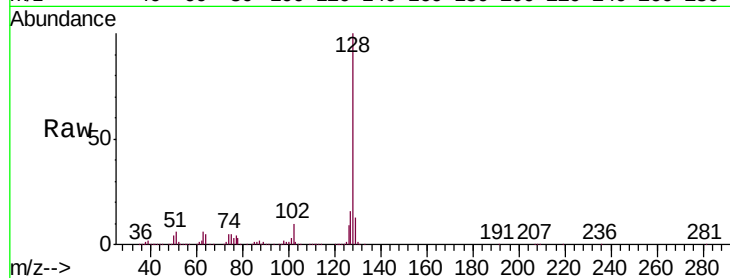
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 3244395

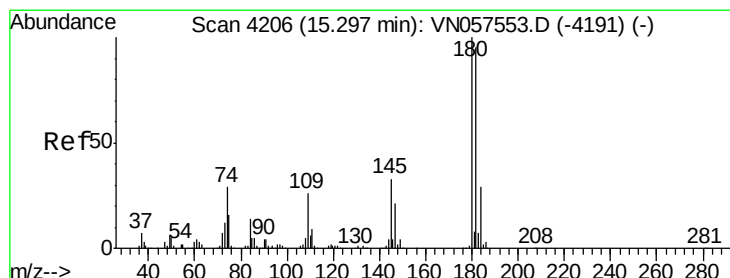
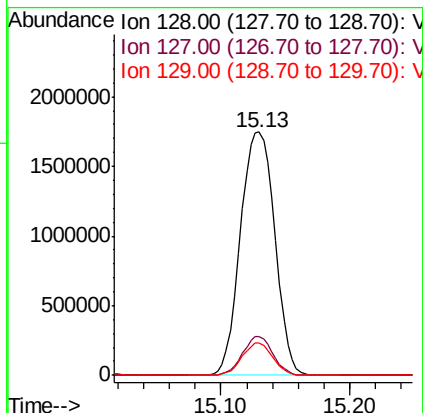
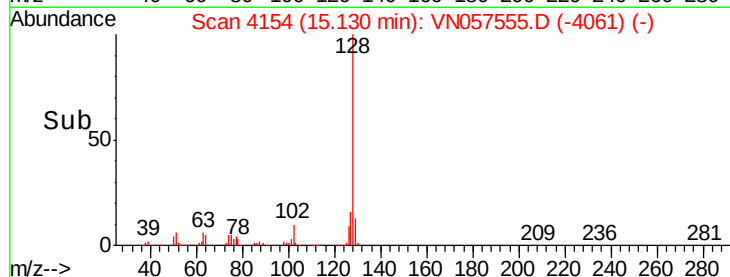
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 206.572 ug/l

RT: 15.30 min Scan# 4206

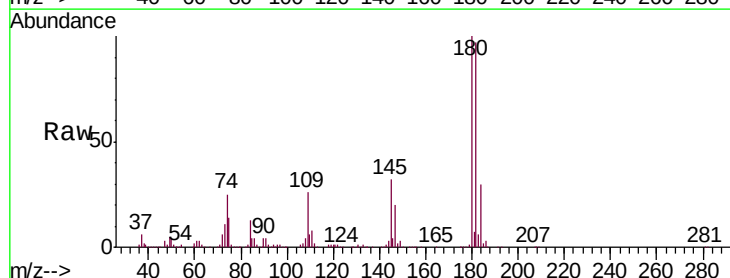
Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion:180 Resp: 1333449

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.7	140.1
145	32.2	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

