

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
 Data File : VN055381.D
 Acq On : 3 May 2019 11:37
 Operator : JC/SP
 Sample : VN0503MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Quant Time: May 03 23:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	398293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	266087	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	209547	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	748002	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	241127	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89564	18.354	ug/l	98
3) Chloromethane	2.06	50	104261	17.254	ug/l	98
4) Vinyl Chloride	2.19	62	91398	18.764	ug/l	98
5) Bromomethane	2.57	94	49916	19.347	ug/l	96
6) Chloroethane	2.71	64	51700	19.593	ug/l	100
7) Trichlorofluoromethane	3.02	101	134184	19.374	ug/l	98
8) Diethyl Ether	3.41	74	48862	20.164	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79569	19.292	ug/l	97
10) Methyl Iodide	3.96	142	108046	18.614	ug/l	99
11) Tert butyl alcohol	4.80	59	28921	96.946	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	75143	19.099	ug/l	98
13) Acrolein	3.61	56	12833	55.083	ug/l	97
14) Allyl chloride	4.33	41	160301	19.672	ug/l	100
15) Acrylonitrile	5.00	53	165798	98.876	ug/l	100
16) Acetone	3.82	43	152210	93.751	ug/l	97
17) Carbon Disulfide	4.06	76	169595	16.517	ug/l	98
18) Methyl Acetate	4.33	43	87518	21.539	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	231631	20.942	ug/l	99
20) Methylene Chloride	4.56	84	90738	18.310	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	79449	19.067	ug/l	97
22) Diisopropyl ether	5.95	45	337076	20.819	ug/l	93
23) Vinyl Acetate	5.90	43	1067872	100.635	ug/l	99
24) 1,1-Dichloroethane	5.85	63	173496	20.112	ug/l	98
25) 2-Butanone	6.84	43	200379	96.507	ug/l	98
26) 2,2-Dichloropropane	6.82	77	116315	19.526	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	97578	20.592	ug/l	98
28) Bromochloromethane	7.20	49	88013	20.241	ug/l	99
29) Tetrahydrofuran	7.22	42	132761	99.857	ug/l	99
30) Chloroform	7.37	83	162023	19.813	ug/l	99
31) Cyclohexane	7.65	56	154247	18.820	ug/l	98
32) 1,1,1-Trichloroethane	7.58	97	128801	19.407	ug/l	99
36) 1,1-Dichloropropene	7.79	75	115499	18.758	ug/l	98
37) Ethyl Acetate	6.93	43	88198	18.690	ug/l	99
38) Carbon Tetrachloride	7.78	117	109191	18.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124002	18.942	ug/l	96
40) Benzene	8.04	78	354039	19.505	ug/l	98
41) Methacrylonitrile	7.17	41	38857	15.729	ug/l #	79
42) 1,2-Dichloroethane	8.12	62	123384	19.192	ug/l	100
43) Isopropyl Acetate	8.17	43	151641	19.995	ug/l	100
44) Trichloroethene	8.84	130	89735	19.392	ug/l	99
45) 1,2-Dichloropropane	9.12	63	103629	19.795	ug/l	99
46) Dibromomethane	9.21	93	53208	18.594	ug/l	95
47) Bromodichloromethane	9.40	83	117875	19.201	ug/l	98
48) Methyl methacrylate	9.20	41	74723	20.042	ug/l	97
49) 1,4-Dioxane	9.20	88	14172	367.723	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	414982	97.190	ug/l	99
52) Toluene	10.16	92	202809	19.473	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	102424	19.219	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	131953	19.859	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76928	19.891	ug/l	98
56) Ethyl methacrylate	10.43	69	96861	20.348	ug/l	97
57) 1,3-Dichloropropane	10.71	76	136164	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	96946	74.772	ug/l	99
59) 2-Hexanone	10.75	43	255479	95.629	ug/l	98
60) Dibromochloromethane	10.90	129	74540	18.858	ug/l	96
61) 1,2-Dibromoethane	11.01	107	70336	19.677	ug/l	99
64) Tetrachloroethene	10.63	164	89929	20.357	ug/l	98
65) Chlorobenzene	11.43	112	208802	19.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	79123	19.132	ug/l	99
67) Ethyl Benzene	11.51	91	379249	19.885	ug/l	99
68) m/p-Xylenes	11.62	106	271883	39.938	ug/l	99
69) o-Xylene	11.95	106	138746	20.563	ug/l	98
70) Styrene	11.96	104	220042	21.239	ug/l	99
71) Bromoform	12.12	173	44013	19.180	ug/l #	99
73) Isopropylbenzene	12.25	105	368956	21.563	ug/l	99
74) N-amyl acetate	12.07	43	105950	20.799	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	87774	20.439	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102219	26.524	ug/l #	100
77) Bromobenzene	12.53	156	87203	21.786	ug/l	95
78) n-propylbenzene	12.59	91	400242	19.631	ug/l	100
79) 2-Chlorotoluene	12.67	91	241391	20.890	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	299858	19.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18846	17.994	ug/l	89
82) 4-Chlorotoluene	12.77	91	226749	19.127	ug/l	100
83) tert-Butylbenzene	12.99	119	261711	22.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	282407	20.293	ug/l	99
85) sec-Butylbenzene	13.17	105	332688	19.671	ug/l	98
86) p-Isopropyltoluene	13.29	119	277744	19.980	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	130574	19.659	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	120607	19.282	ug/l	96
89) n-Butylbenzene	13.61	91	203957	20.648	ug/l	100
90) Hexachloroethane	13.87	117	44180	19.099	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	128824	19.570	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11234	21.514	ug/l	96

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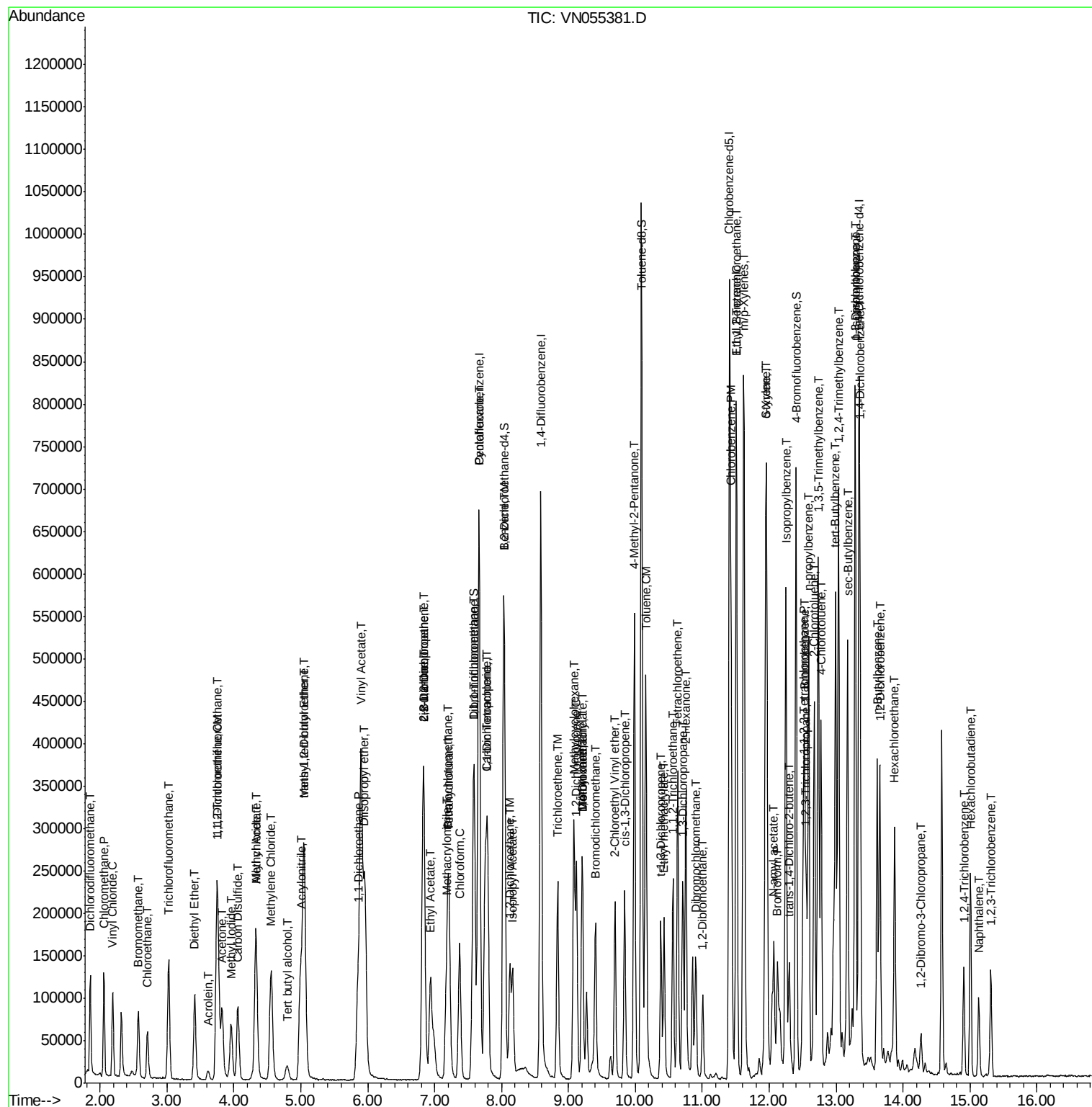
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38710	17.239	ug/l	93
94) Hexachlorobutadiene	15.01	225	47379	22.372	ug/l	96
95) Naphthalene	15.13	128	78624	16.631	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43451	18.725	ug/l	97

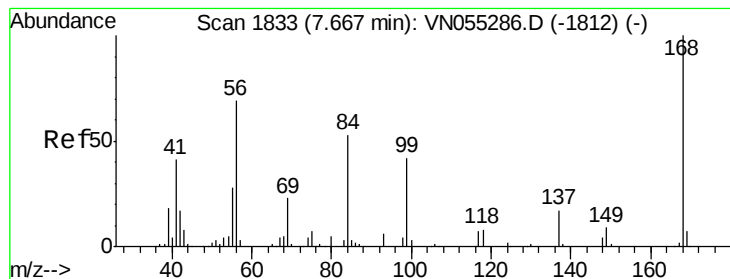
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

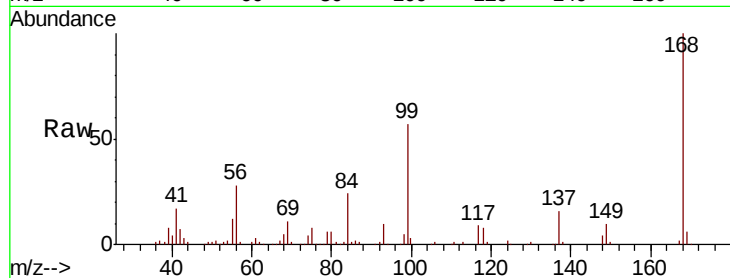
VN0503MBS01

Tot Ion:168 Resp: 398293

Ion Ratio Lower Upper

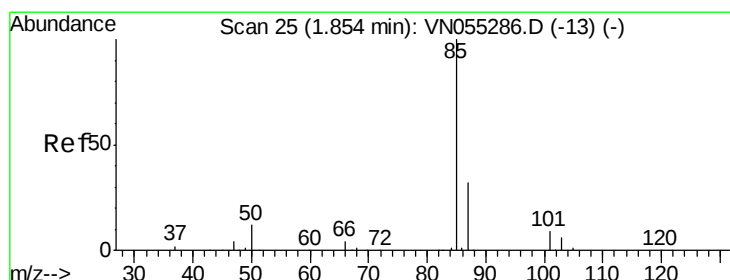
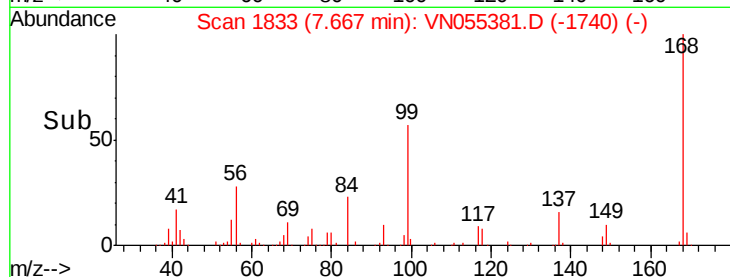
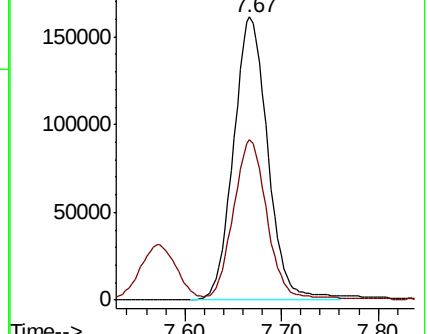
168 100

99 55.9 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.354 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055381.D

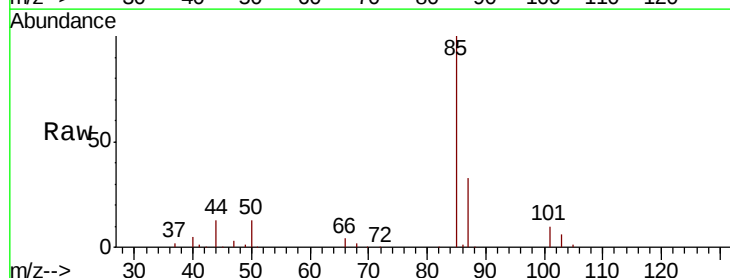
Acq: 3 May 2019 11:37

Tgt Ion: 85 Resp: 89564

Ion Ratio Lower Upper

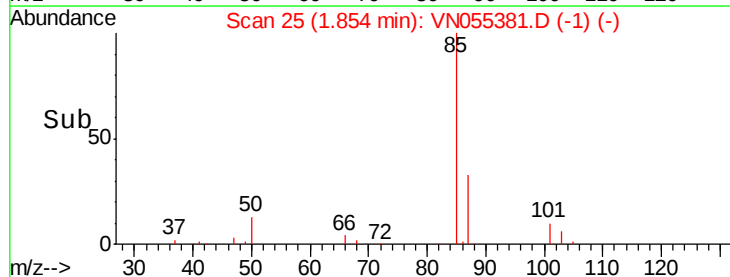
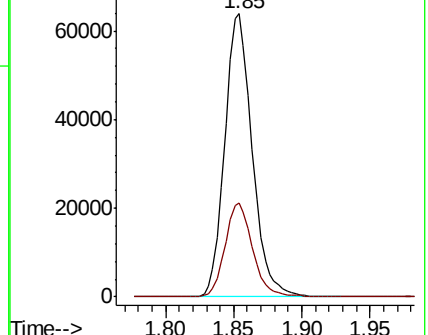
85 100

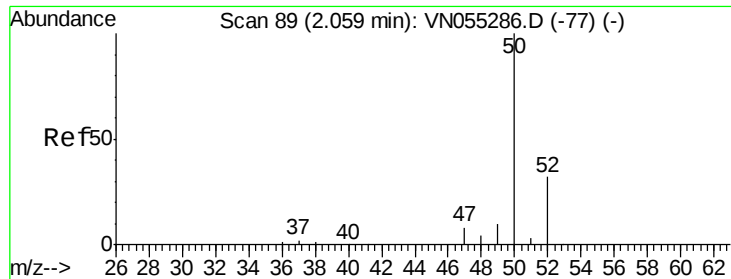
87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

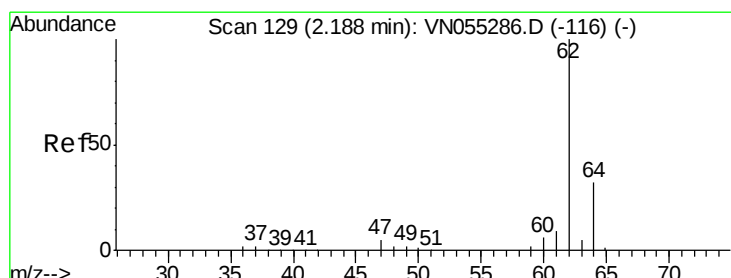
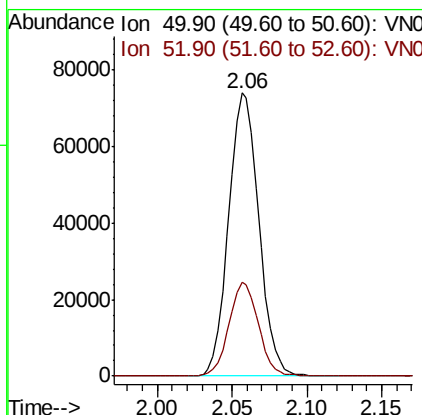
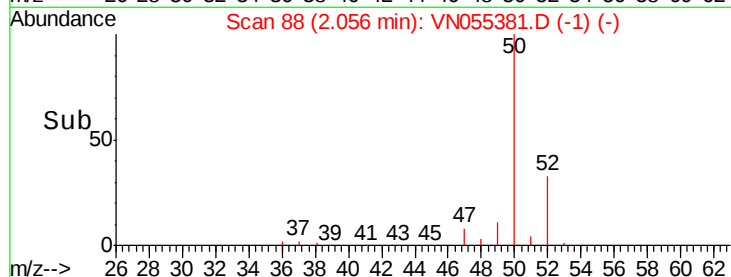
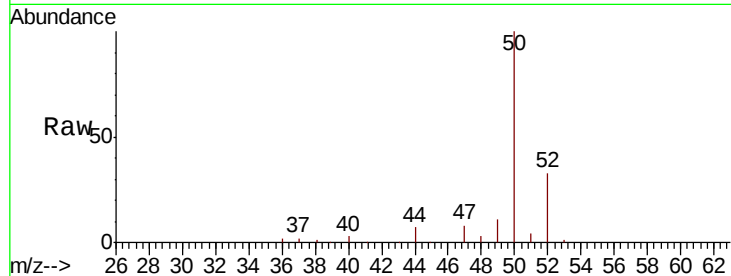




#3
 Chloromethane
 Concen: 17.254 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

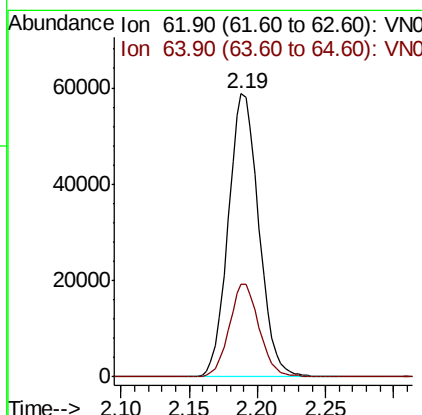
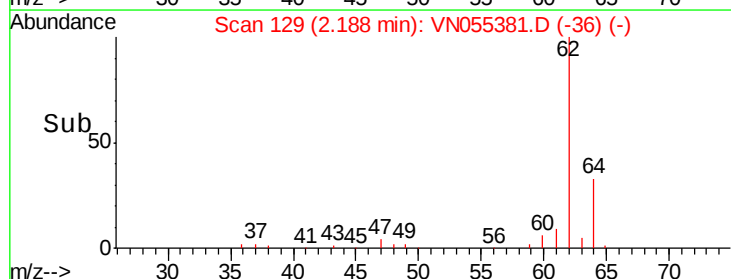
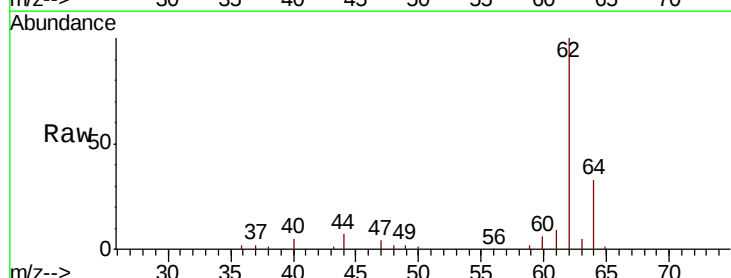
Instrument :
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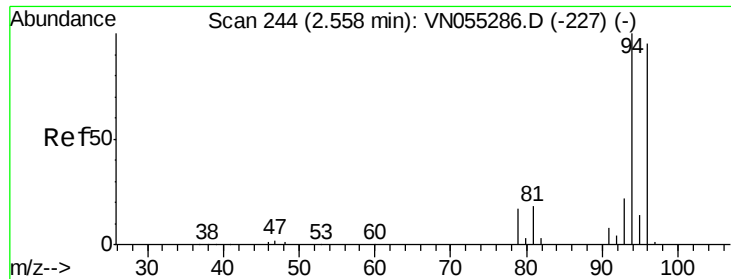
Tot Ion: 50 Resp: 104261
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.7 38.5



#4
 Vinyl Chloride
 Concen: 18.764 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 62 Resp: 91398
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.5 38.3

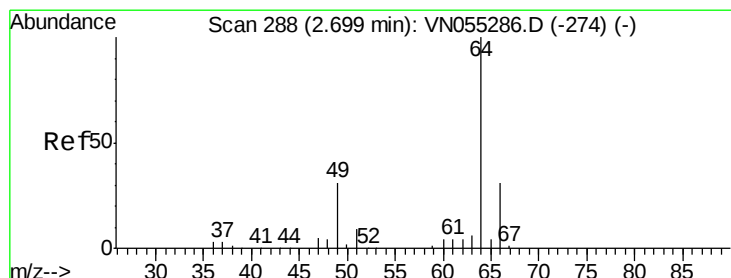
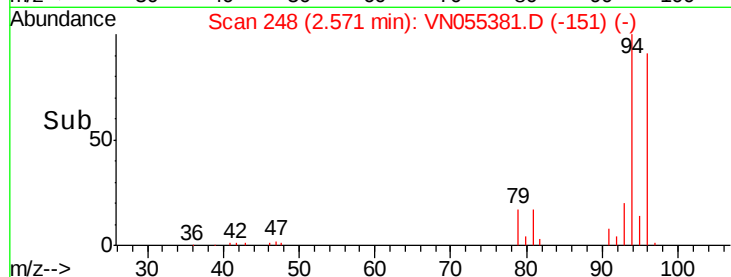
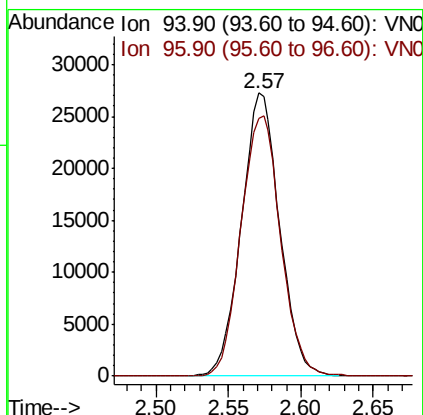
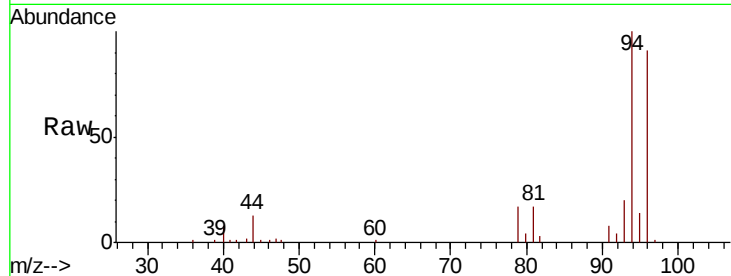




#5
Bromomethane
Concen: 19.347 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

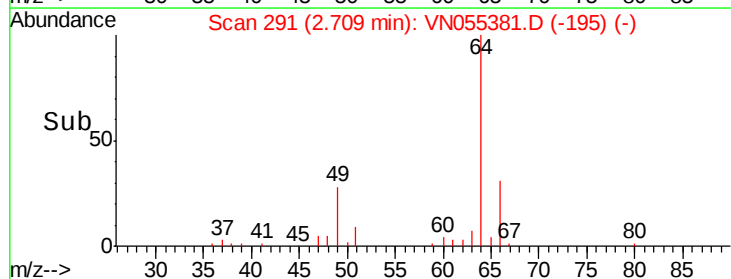
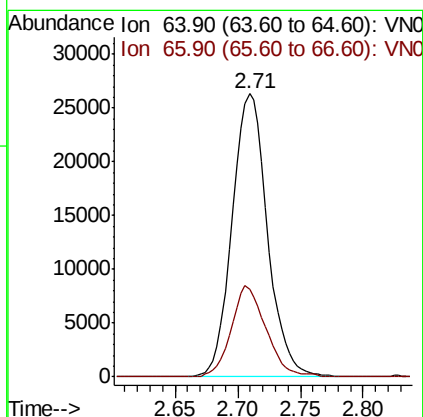
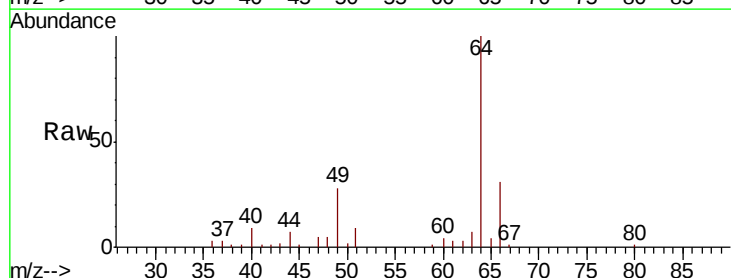
Instrument :
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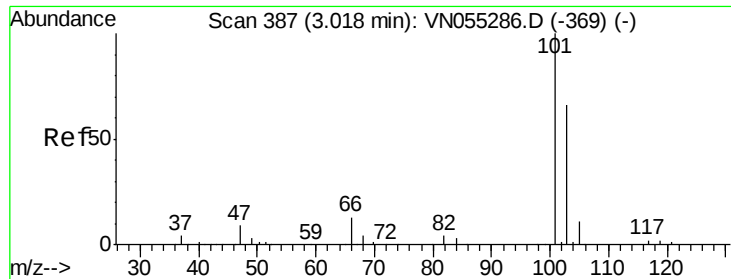
Tot Ion: 94 Resp: 49916
Ion Ratio Lower Upper
94 100
96 91.0 76.0 114.0



#6
Chloroethane
Concen: 19.593 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 64 Resp: 51700
Ion Ratio Lower Upper
64 100
66 31.1 25.0 37.4



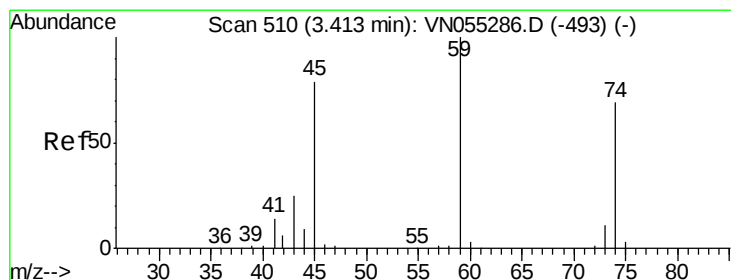
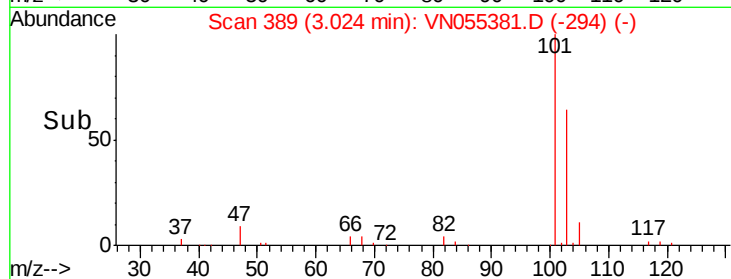
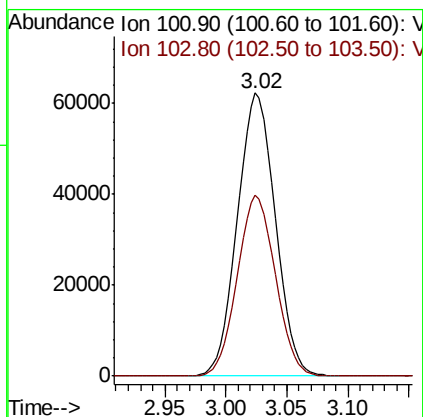
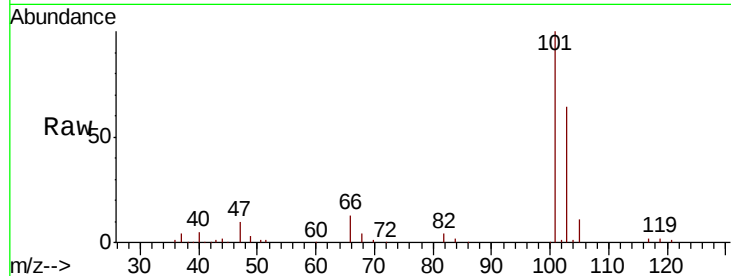


#7

Trichlorofluoromethane
Concen: 19.374 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

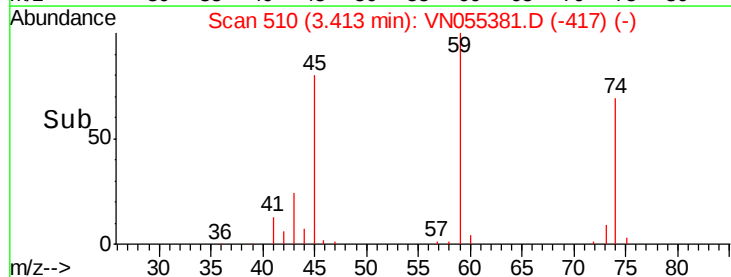
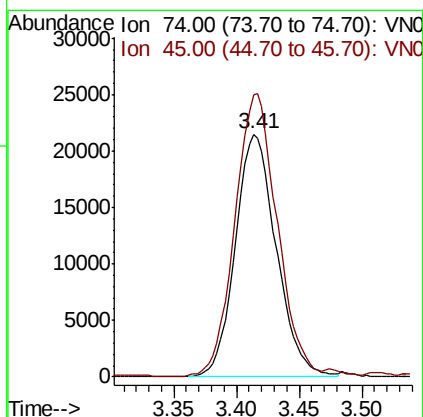
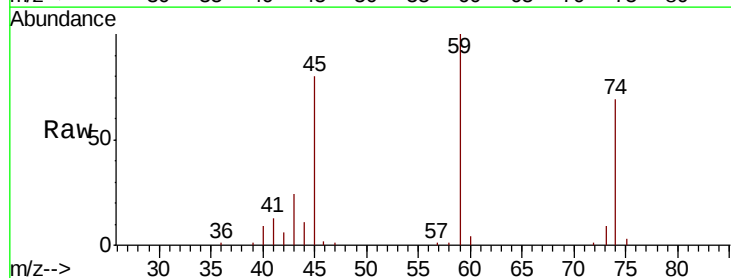
Tot Ion:101 Resp: 134184
Ion Ratio Lower Upper
101 100
103 64.0 52.6 79.0

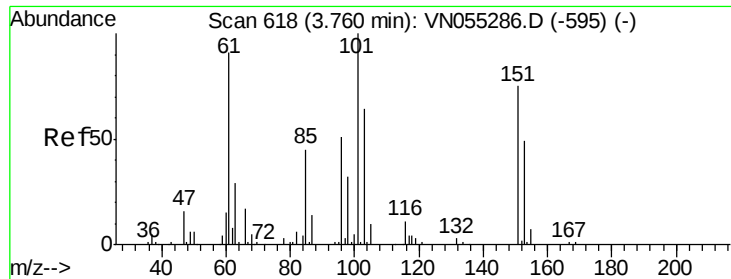


#8

Diethyl Ether
Concen: 20.164 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 74 Resp: 48862
Ion Ratio Lower Upper
74 100
45 120.5 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.292 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

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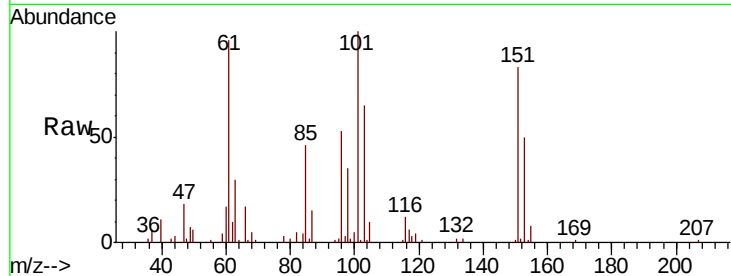
Tot Ion:101 Resp: 79569

Ion Ratio Lower Upper

101 100

85 44.0 35.7 53.5

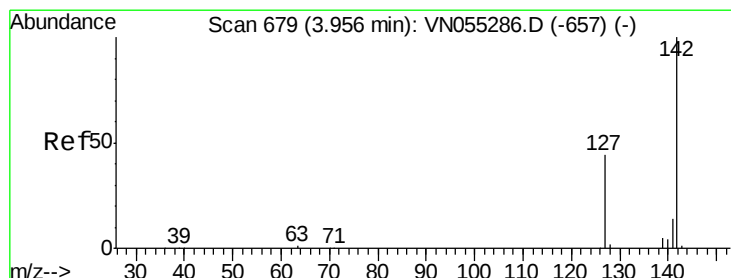
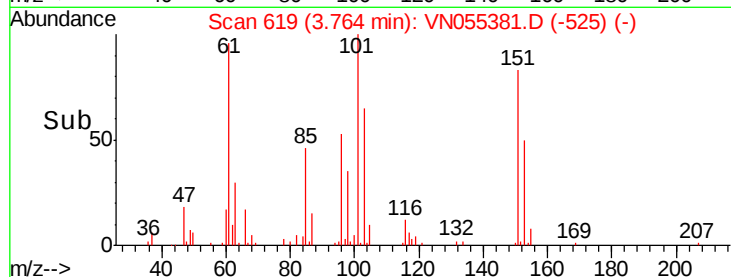
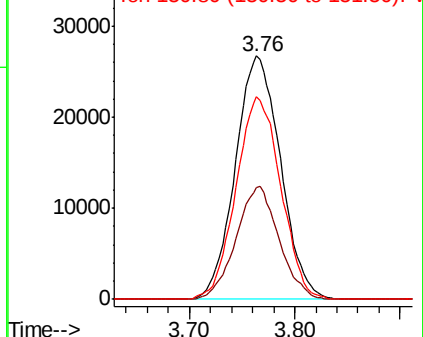
151 82.1 63.3 94.9



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: 18.614 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

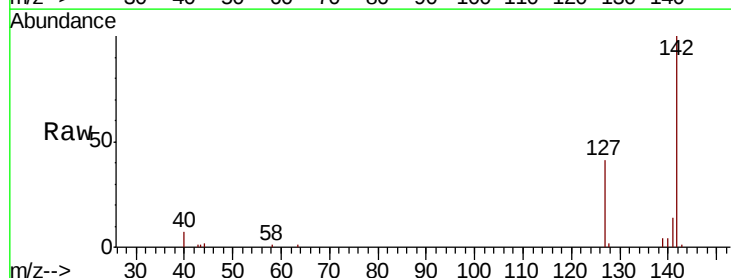
Tgt Ion:142 Resp: 108046

Ion Ratio Lower Upper

142 100

127 41.9 34.4 51.6

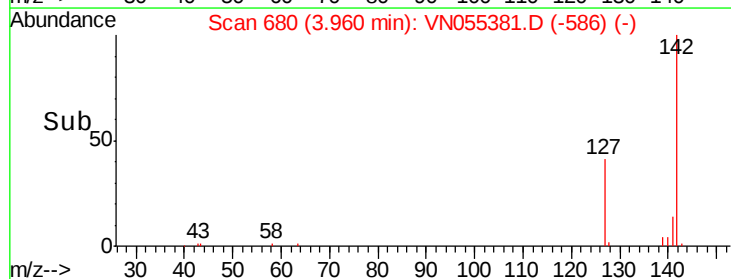
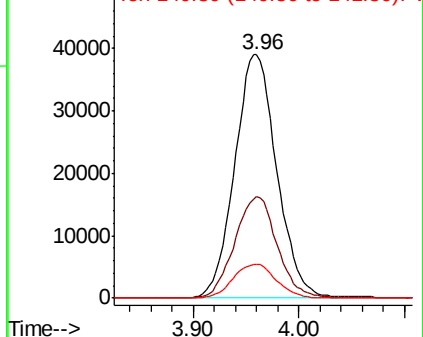
141 14.2 11.5 17.3

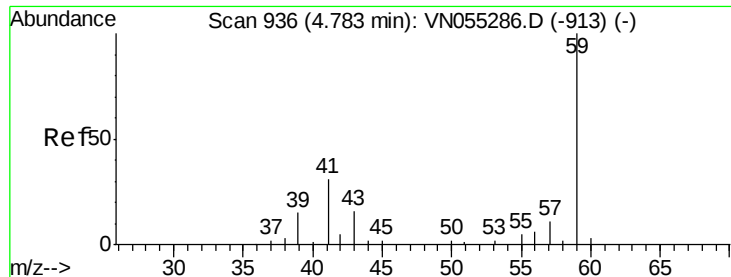


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

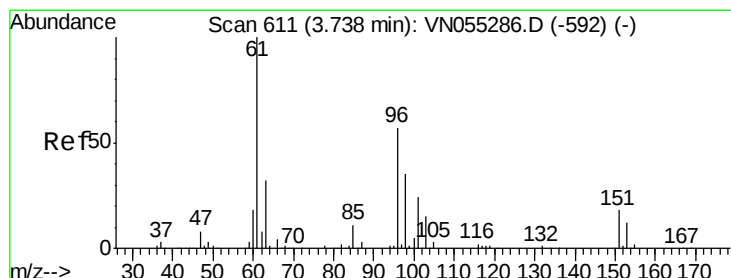
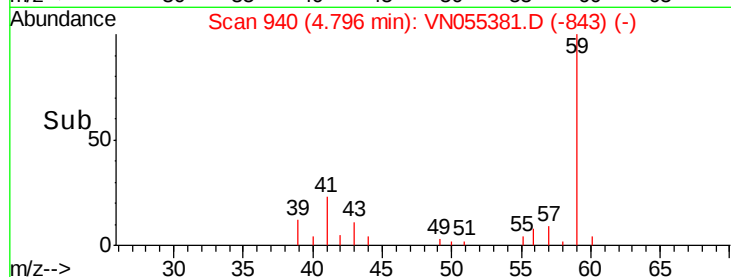
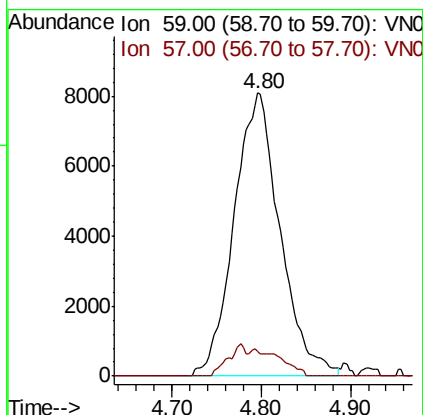
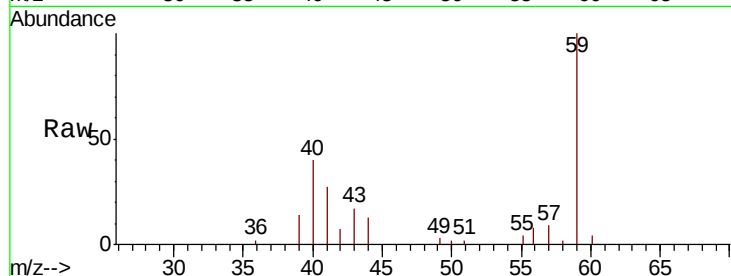




#11
Tert butyl alcohol
Concen: 96.946 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

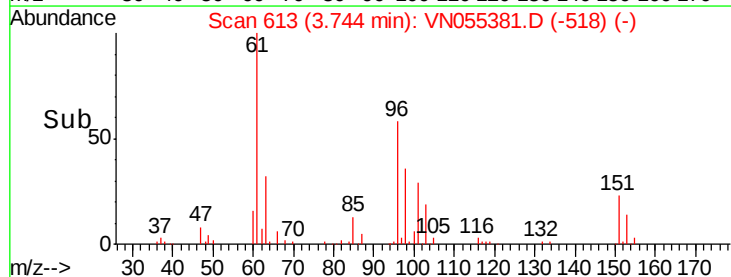
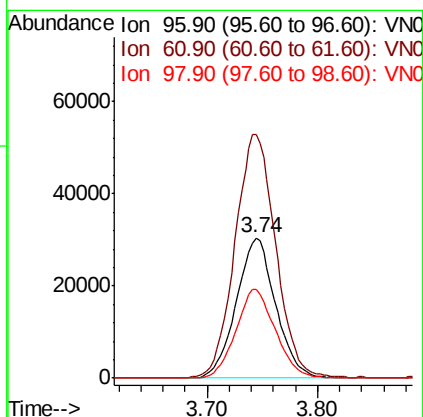
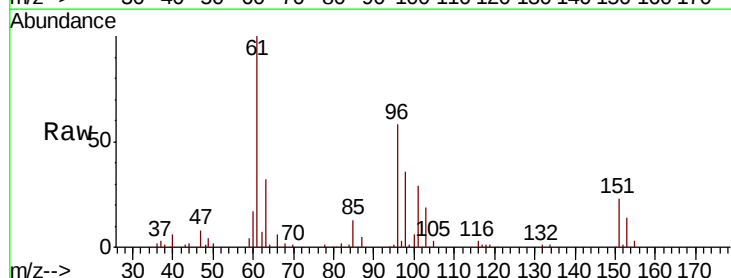
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

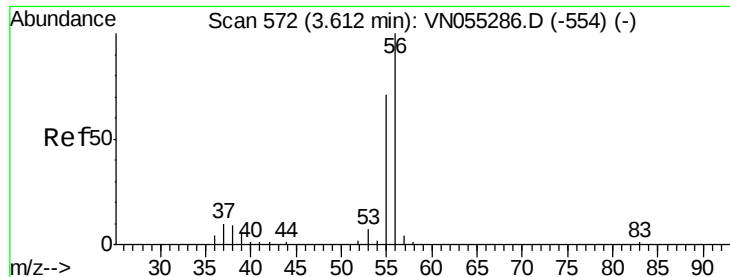
Tot Ion: 59 Resp: 28921
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 19.099 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 96 Resp: 75143
Ion Ratio Lower Upper
96 100
61 173.2 140.9 211.3
98 63.2 50.0 75.0





#13

Acrolein

Concen: 55.083 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

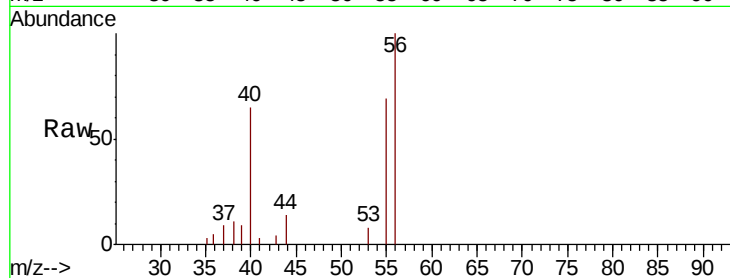
VN0503MBS01

Tot Ion: 56 Resp: 12833

Ion Ratio Lower Upper

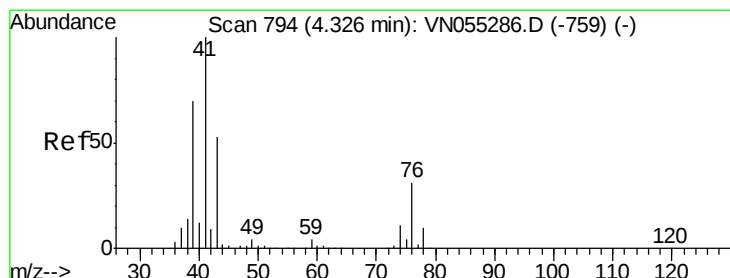
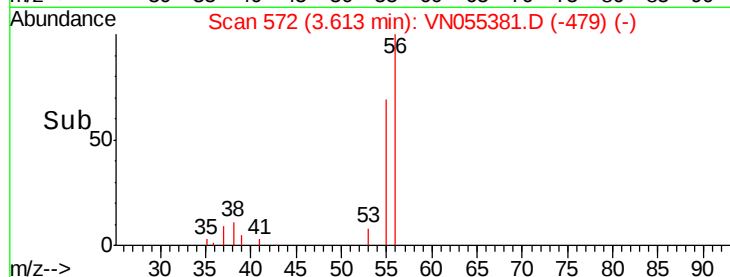
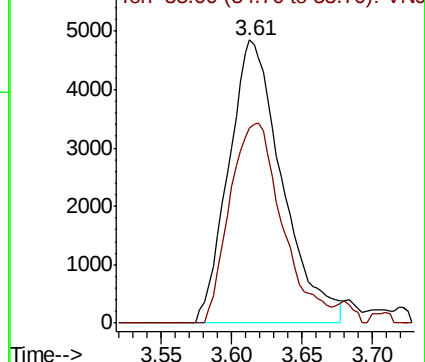
56 100

55 69.4 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

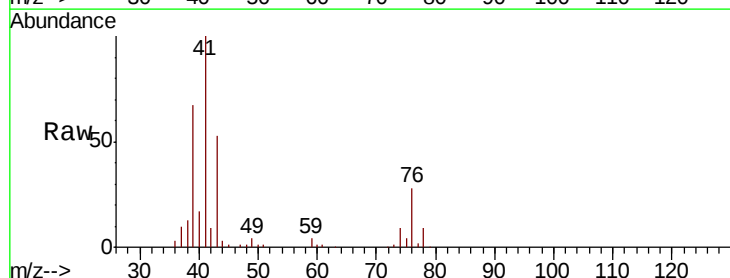
Tgt Ion: 41 Resp: 160301

Ion Ratio Lower Upper

41 100

39 66.5 53.0 79.6

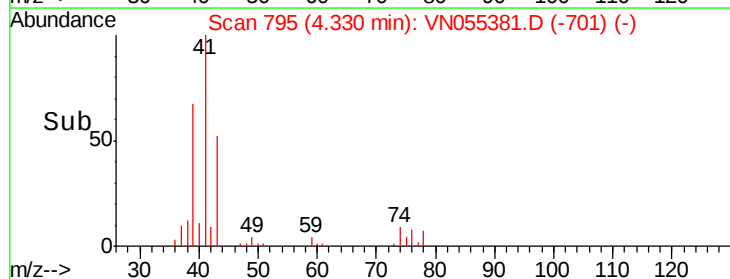
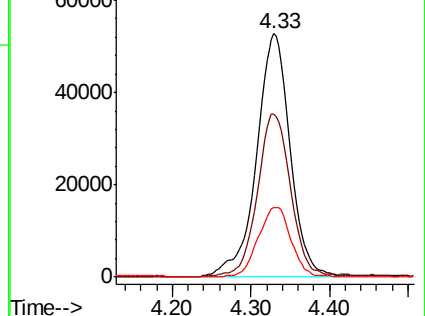
76 27.9 22.7 34.1

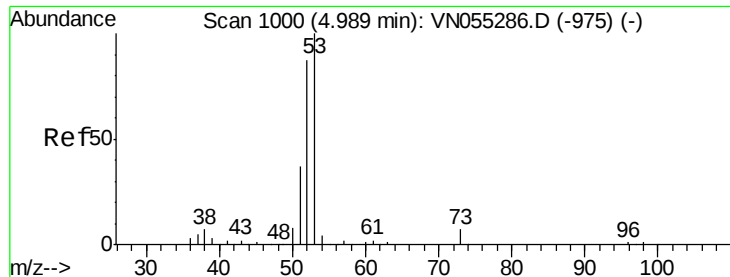


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

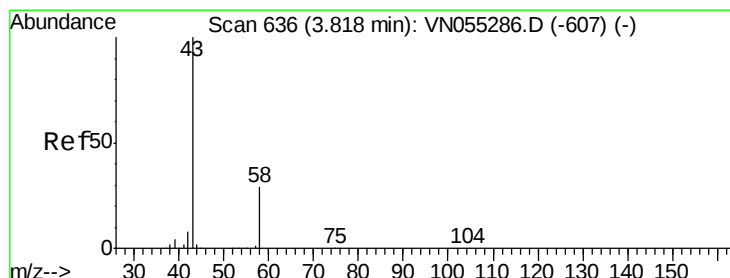
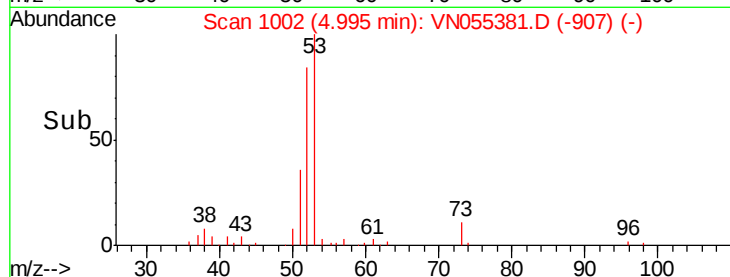
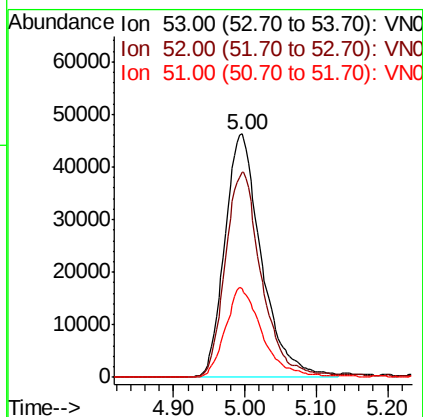
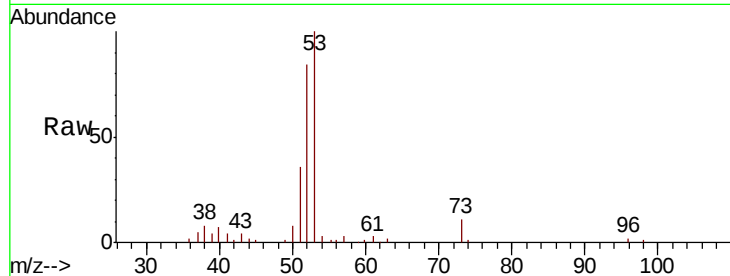




#15
 Acrylonitrile
 Concen: 98.876 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

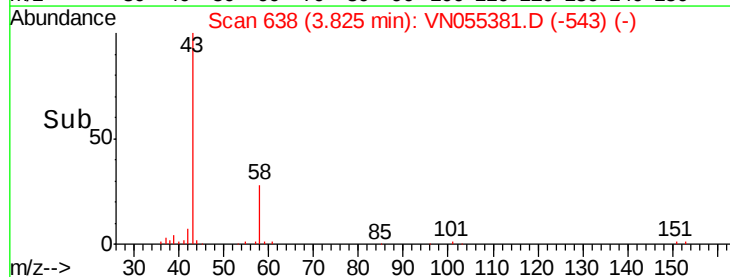
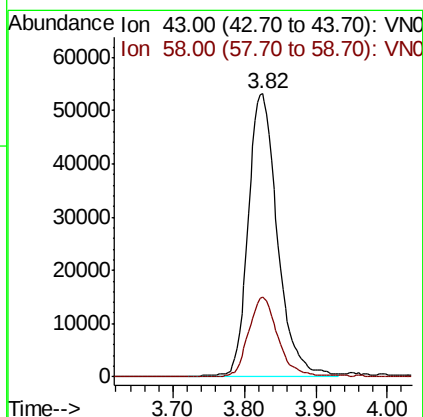
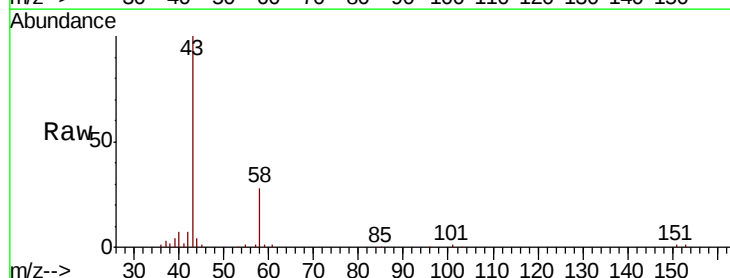
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

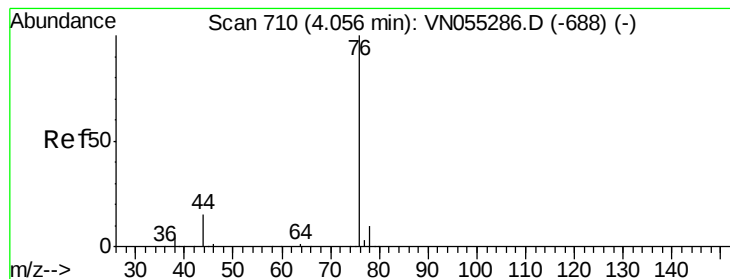
Tot Ion: 53 Resp: 165798
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.5 99.7
 51 36.9 29.6 44.4



#16
 Acetone
 Concen: 93.751 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 43 Resp: 152210
 Ion Ratio Lower Upper
 43 100
 58 28.1 23.6 35.4





#17

Carbon Disulfide

Concen: 16.517 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

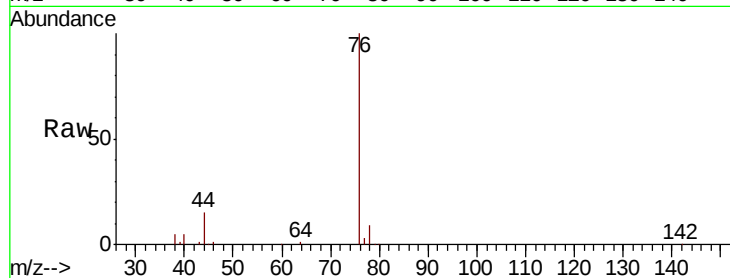
VN0503MBS01

Tot Ion: 76 Resp: 169595

Ion Ratio Lower Upper

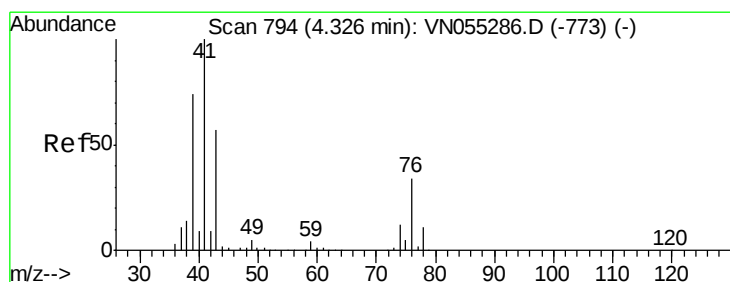
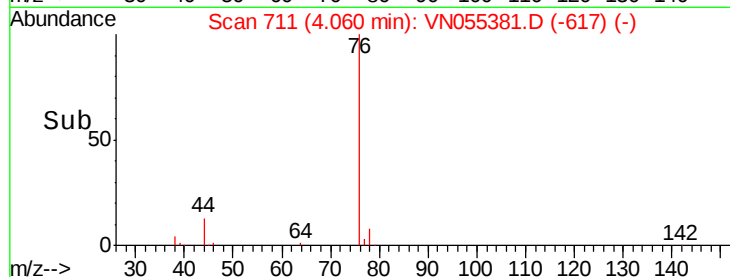
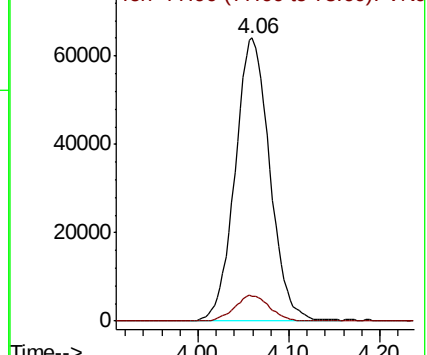
76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.539 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055381.D

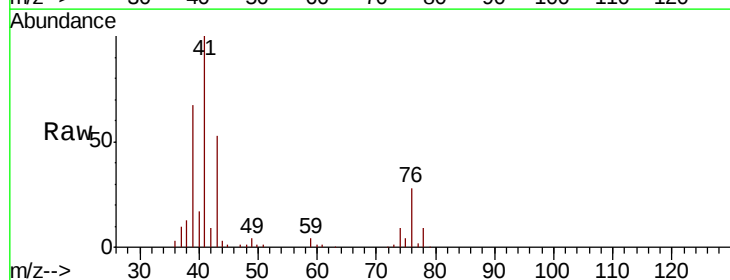
Acq: 3 May 2019 11:37

Tgt Ion: 43 Resp: 87518

Ion Ratio Lower Upper

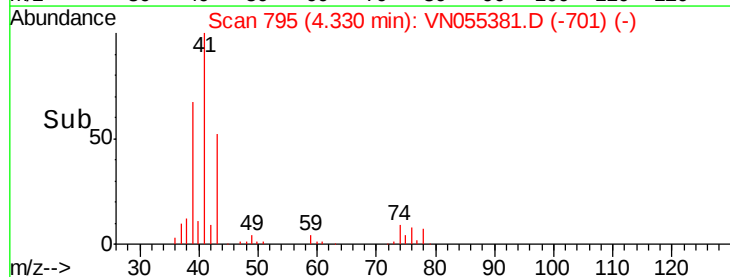
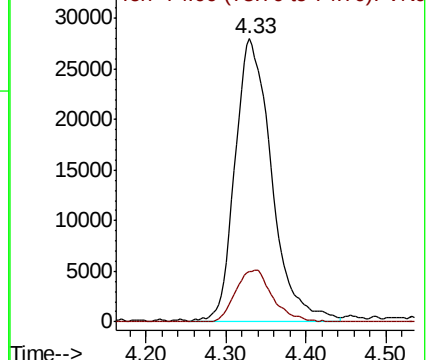
43 100

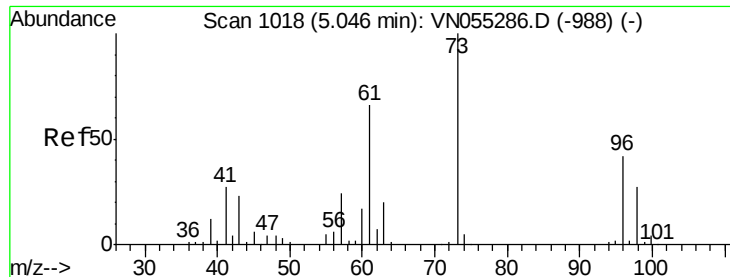
74 18.3 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

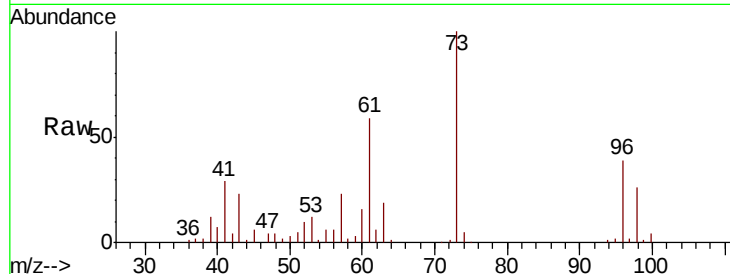




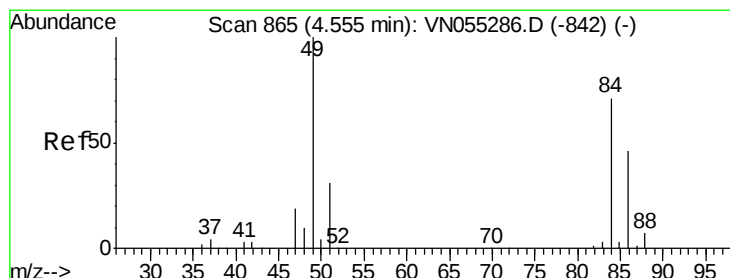
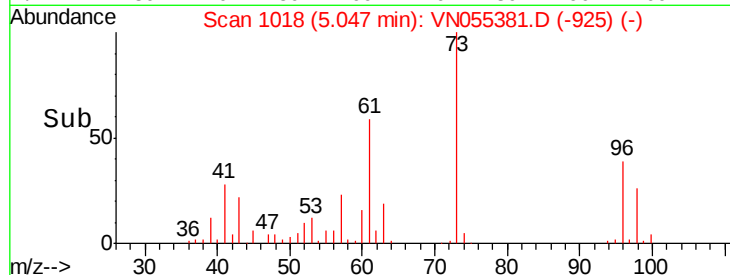
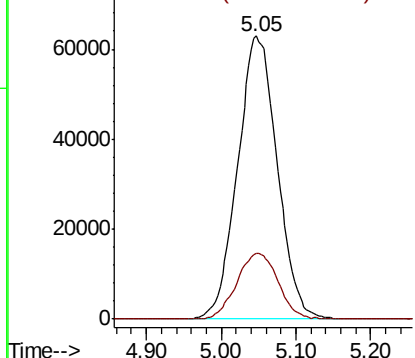
#19
Methvl tert-butvl Ether
Concen: 20.942 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tot Ion: 73 Resp: 231631
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7

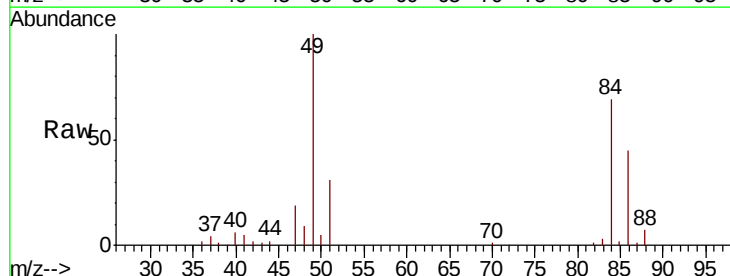


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

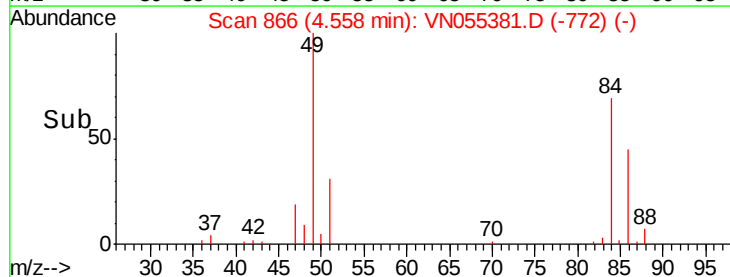
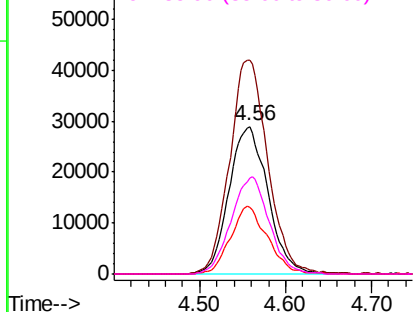


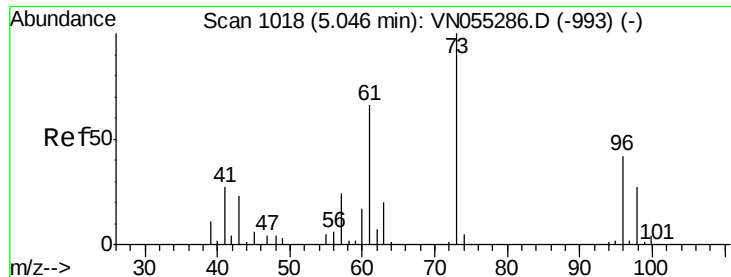
#20
Methylene Chloride
Concen: 18.310 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 84 Resp: 90738
Ion Ratio Lower Upper
84 100
49 144.8 112.4 168.6
51 45.3 34.6 51.8
86 64.7 51.9 77.9



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

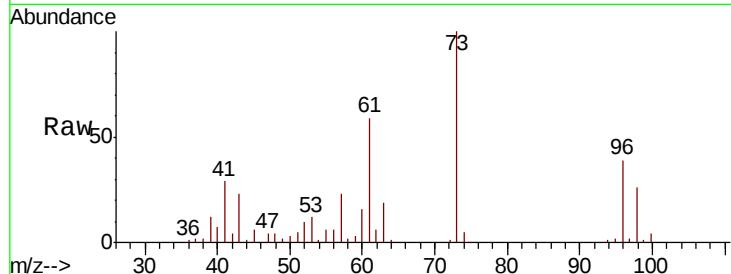




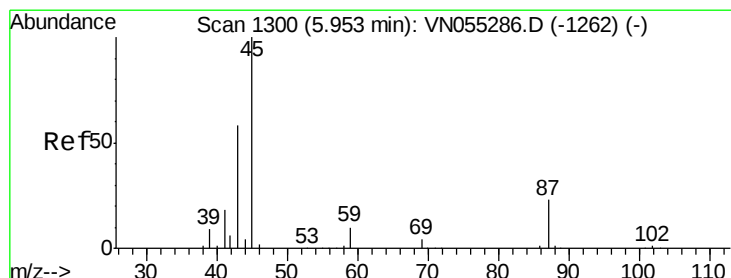
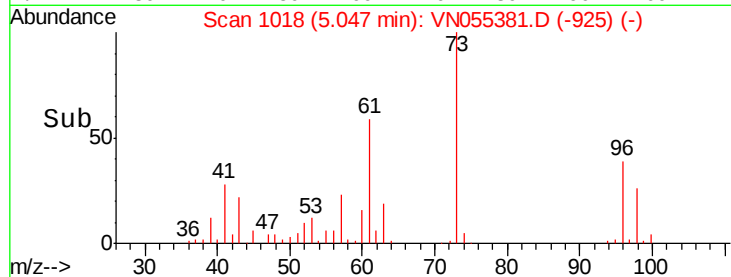
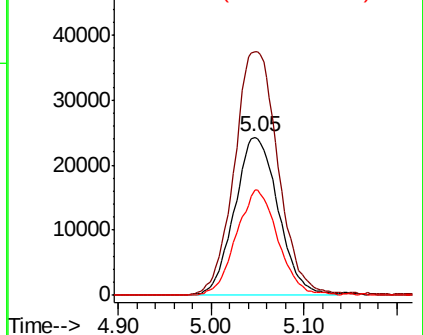
#21
trans-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tot Ion: 96 Resp: 79449
Ion Ratio Lower Upper
96 100
61 153.8 126.2 189.4
98 66.6 52.2 78.2

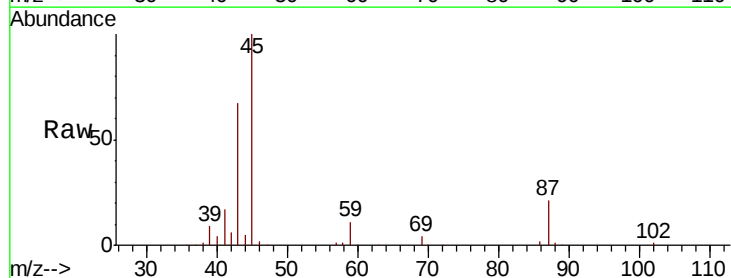


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

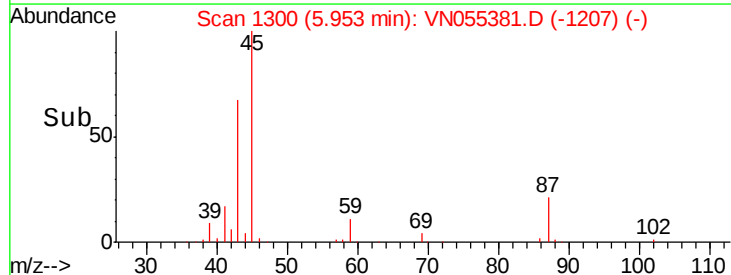
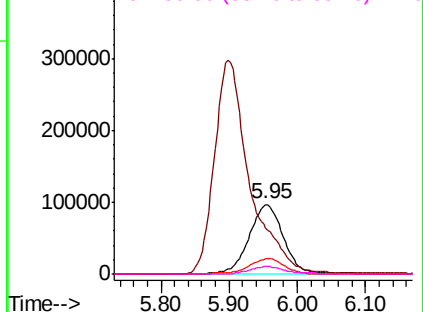


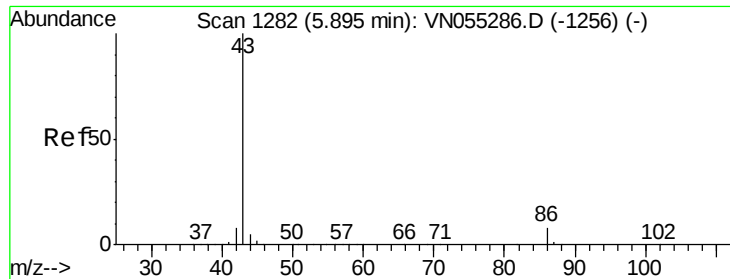
#22
Diisopropyl ether
Concen: 20.819 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 45 Resp: 337076
Ion Ratio Lower Upper
45 100
43 65.2 46.6 70.0
87 20.9 18.1 27.1
59 10.3 8.2 12.2



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: 100.635 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

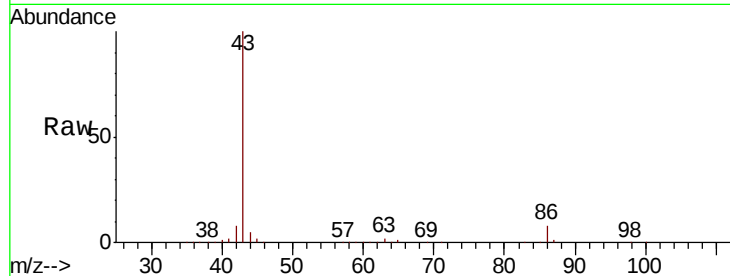
VN0503MBS01

Tot Ion: 43 Resp: 1067872

Ion Ratio Lower Upper

43 100

86 7.8 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

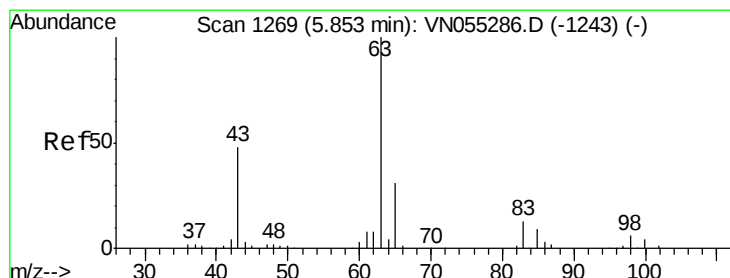
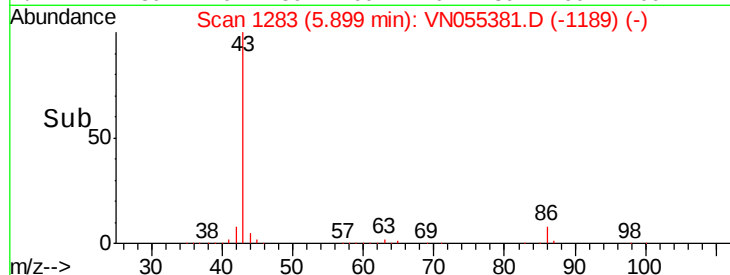
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.112 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

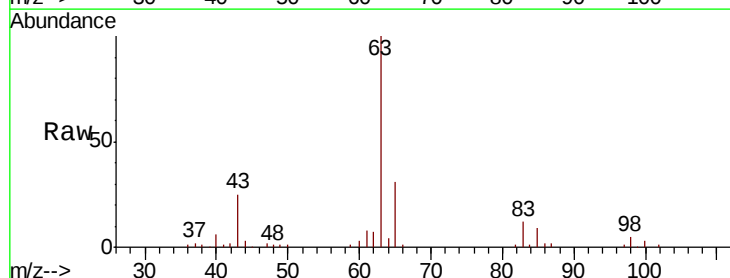
Tgt Ion: 63 Resp: 173496

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.0

100 3.2 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

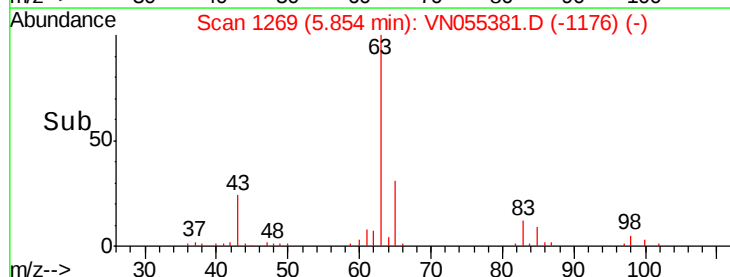
60000

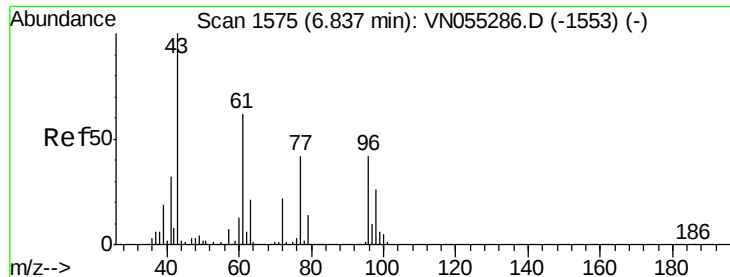
40000

20000

0

Time-->

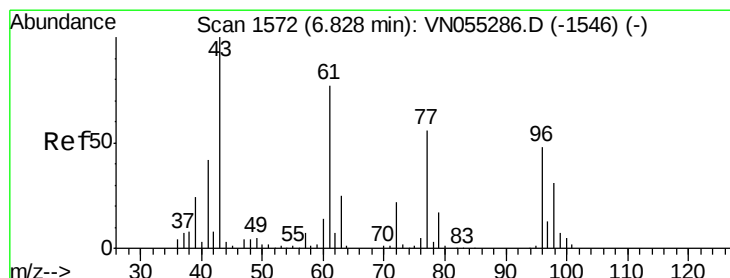
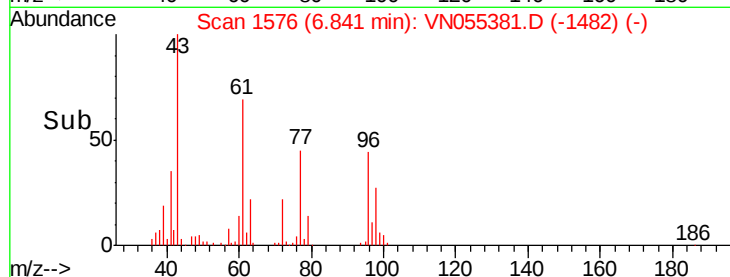
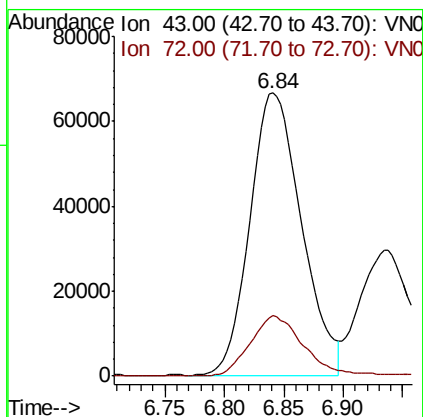
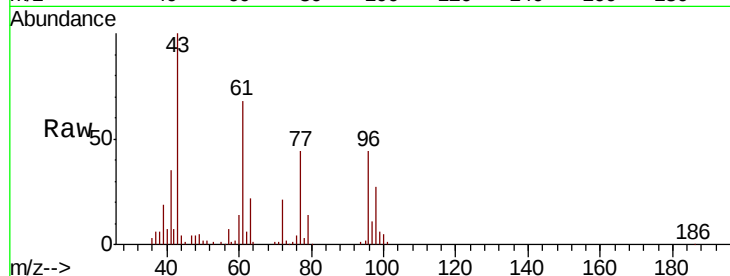




#25
2-Butanone
Concen: 96.507 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

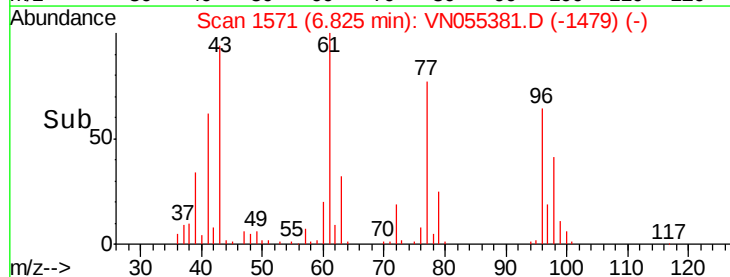
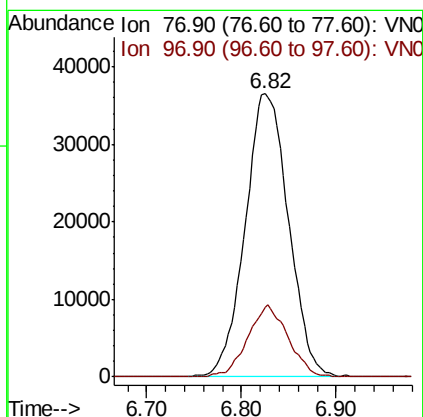
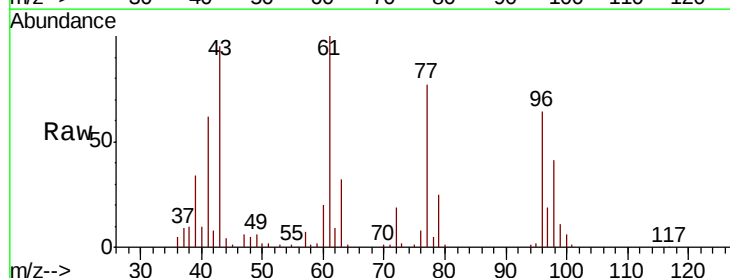
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tot Ion: 43 Resp: 200379
Ion Ratio Lower Upper
43 100
72 21.4 18.0 27.0



#26
2,2-Dichloropropane
Concen: 19.526 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 77 Resp: 116315
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2

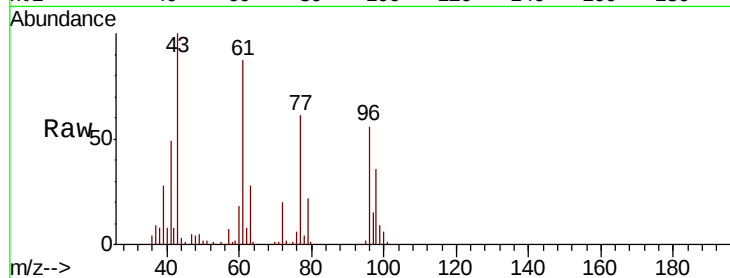




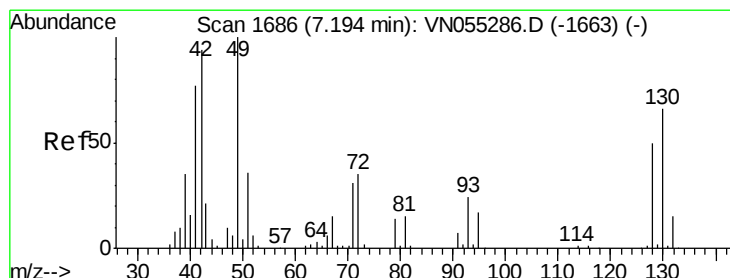
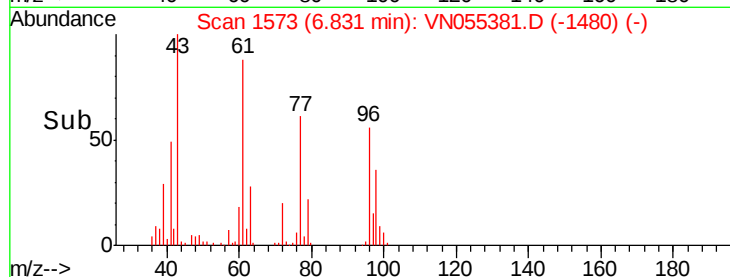
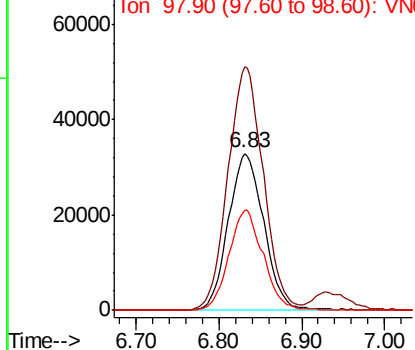
#27
 cis-1,2-Dichloroethene
 Concen: 20.592 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tot Ion: 96 Resp: 97578
 Ion Ratio Lower Upper
 96 100
 61 155.1 0.0 316.2
 98 61.7 0.0 126.6

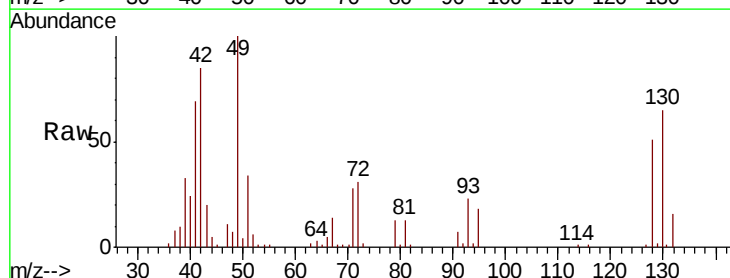


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

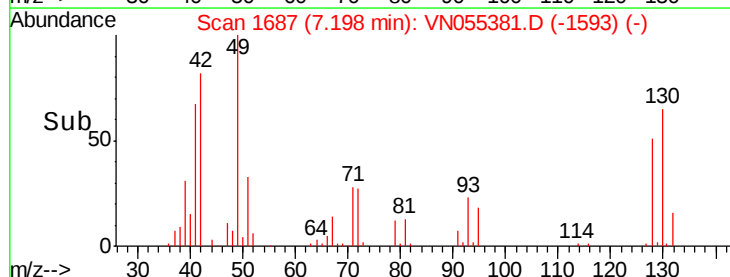
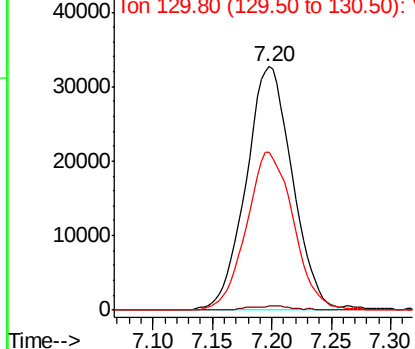


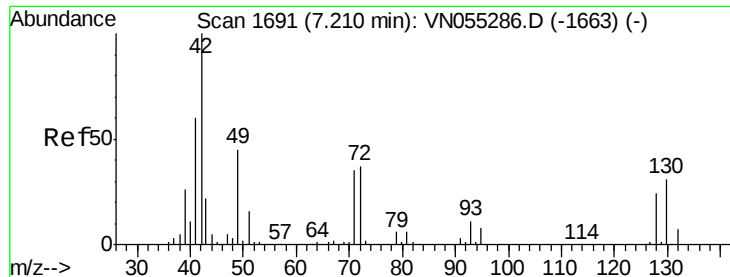
#28
 Bromochloromethane
 Concen: 20.241 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 49 Resp: 88013
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.4
 130 65.8 52.0 78.0



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

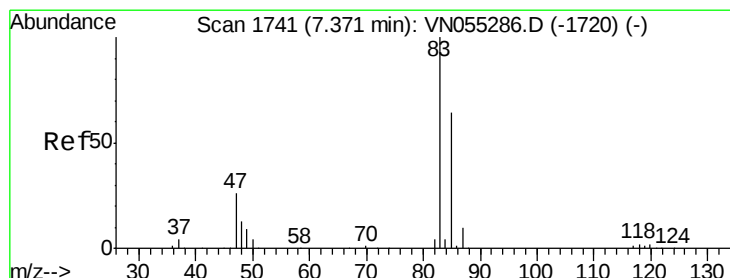
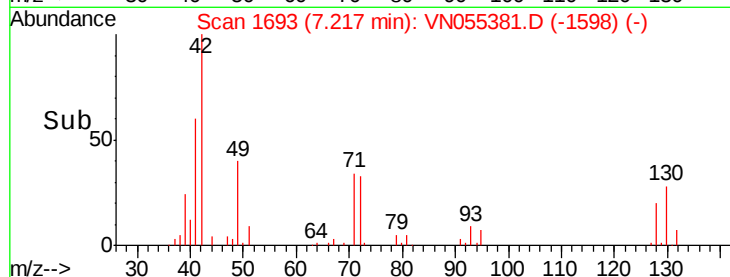
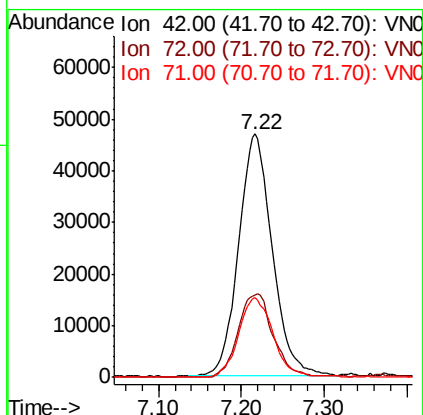
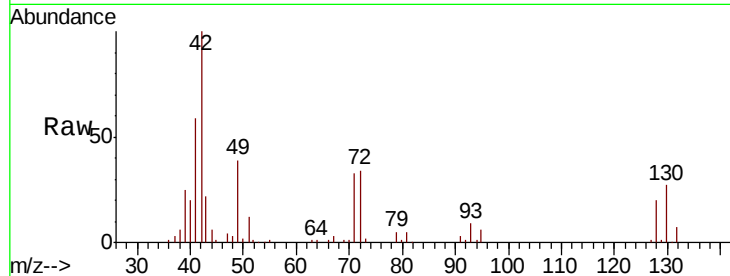




#29
Tetrahydrofuran
Concen: 99.857 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

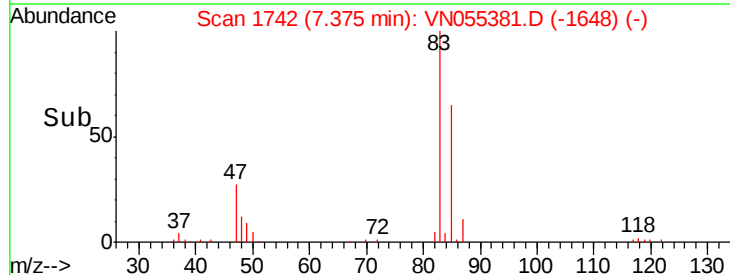
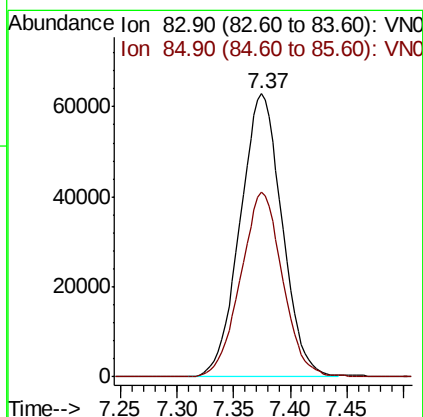
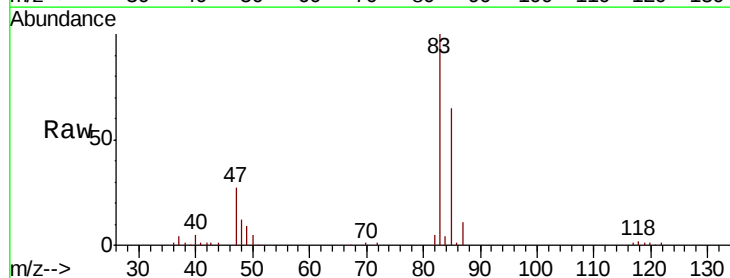
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

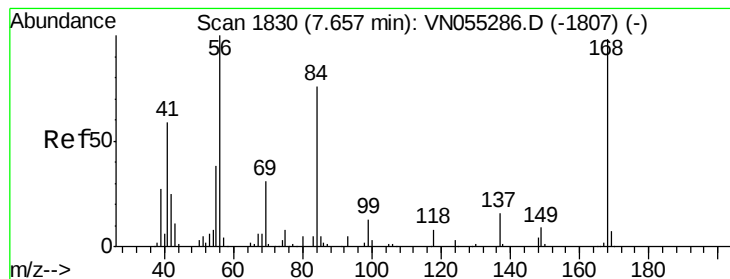
Tot Ion: 42 Resp: 132761
Ion Ratio Lower Upper
42 100
72 35.7 29.0 43.6
71 33.5 27.1 40.7



#30
Chloroform
Concen: 19.813 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 83 Resp: 162023
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2





#31

Cyclohexane

Concen: 18.820 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleID :

VN0503MBS01

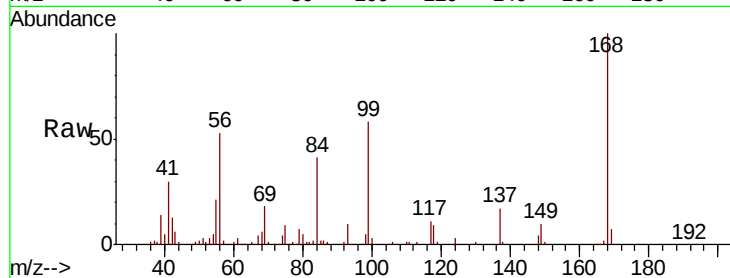
Tot Ion: 56 Resp: 154247

Ion Ratio Lower Upper

56 100

69 34.0 25.2 37.8

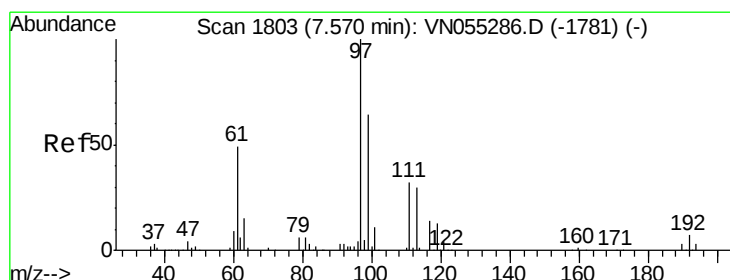
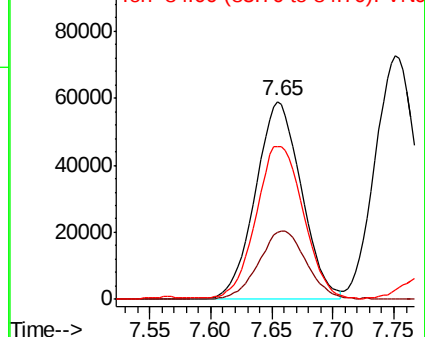
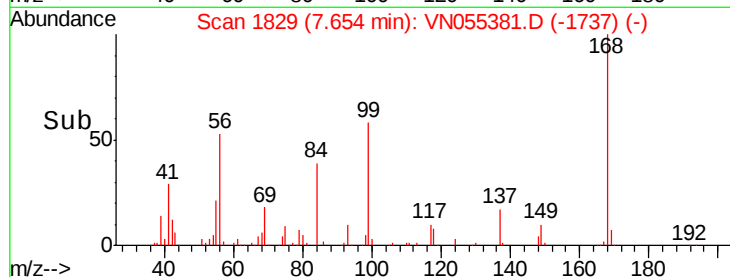
84 76.0 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055381.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055381.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055381.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.407 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

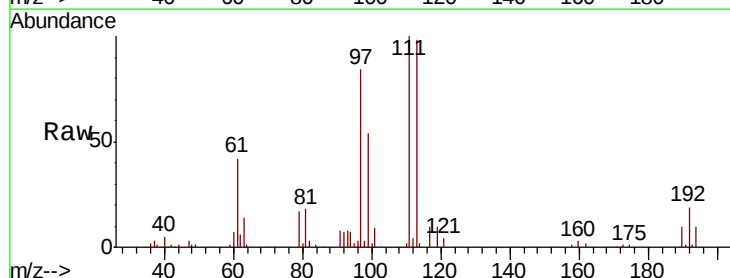
Tgt Ion: 97 Resp: 128801

Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.8

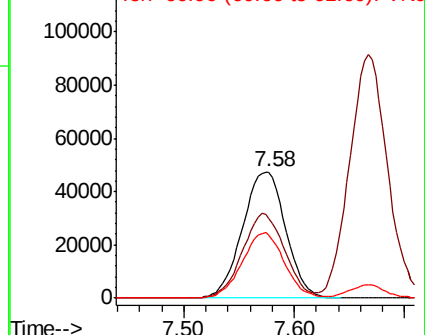
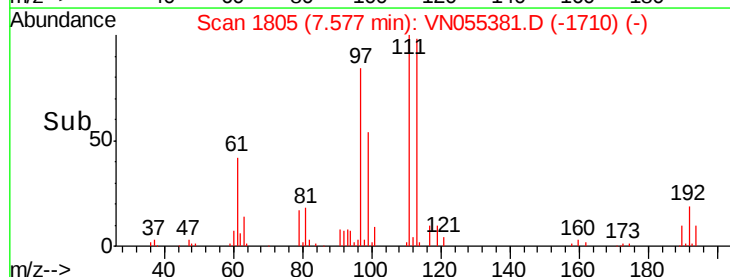
61 50.4 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN055381.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055381.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055381.D (-1710) (-)

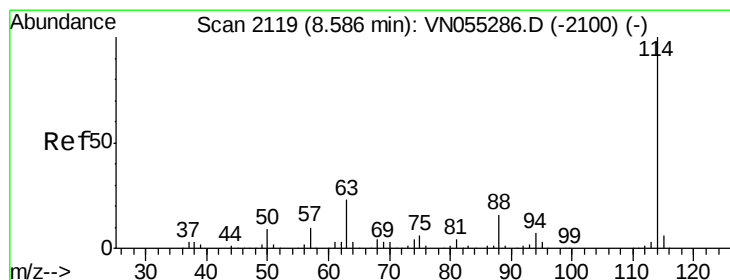
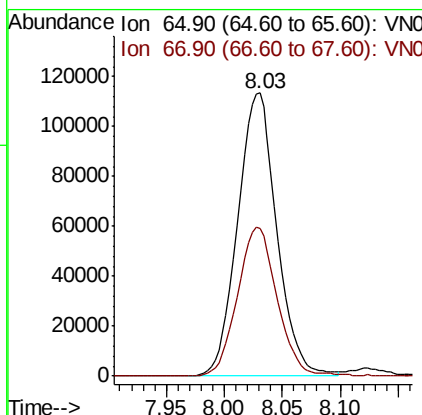
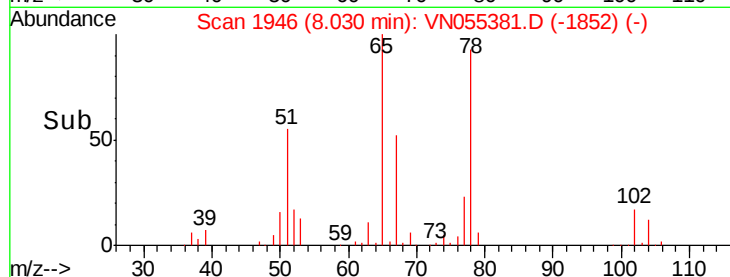
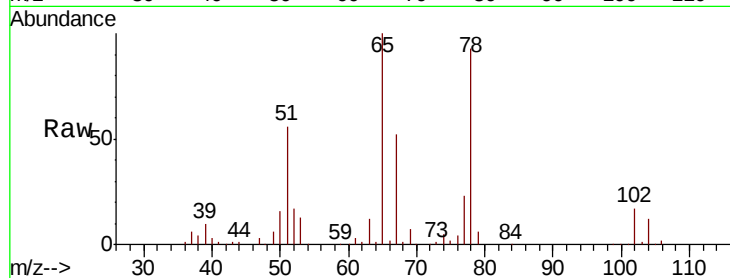




#33
 1,2-Dichloroethane-d4
 Concen: 51.067 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

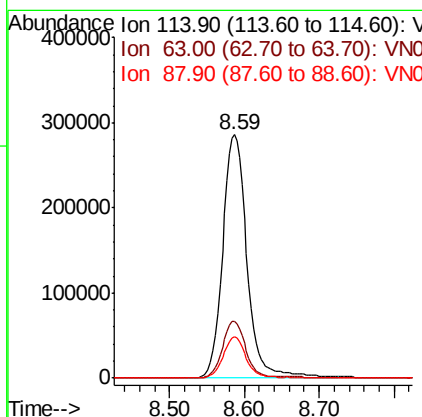
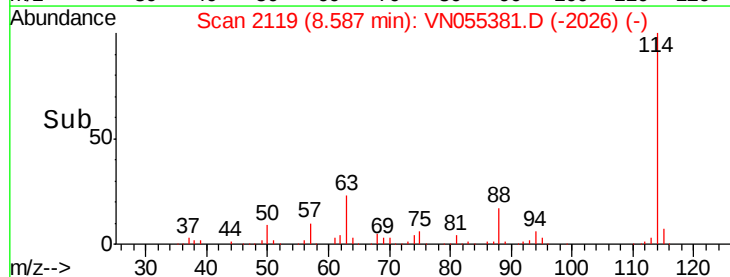
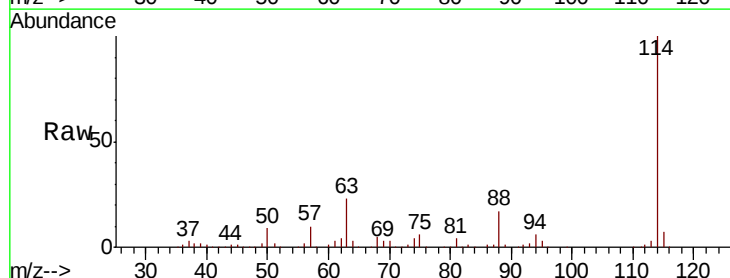
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

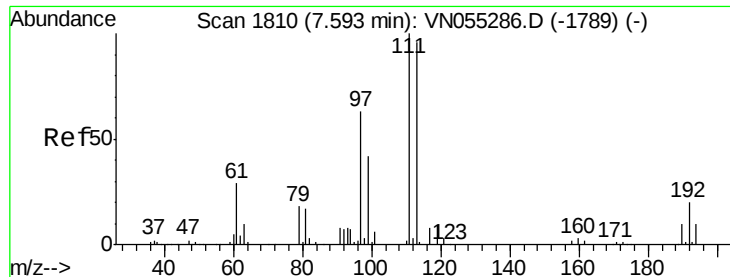
Tot Ion: 65 Resp: 266087
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 114 Resp: 642831
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.2
 88 16.8 0.0 31.6

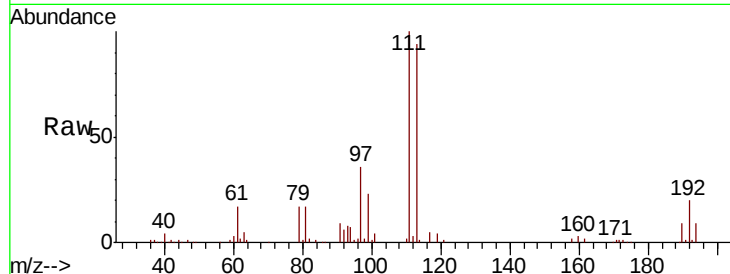




#35
 Dibromofluoromethane
 Concen: 49.664 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	20.6	17.0	25.6

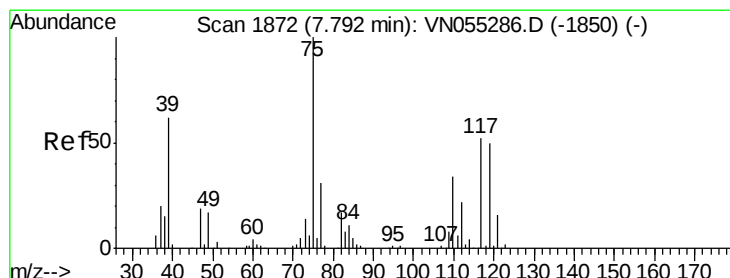
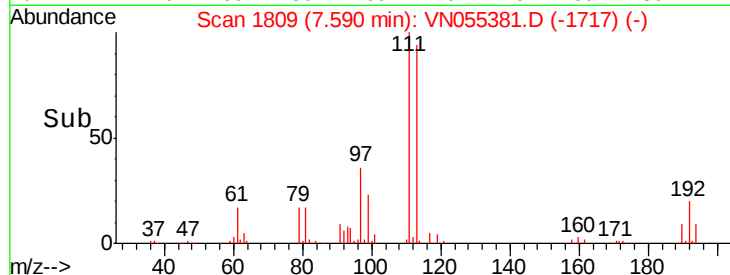
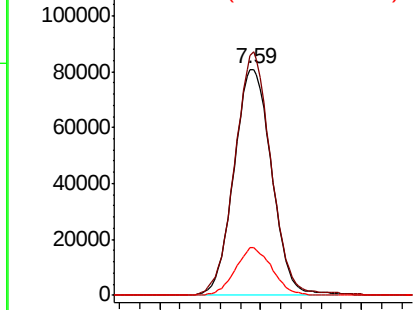


Abundance

Ion 112.80 (112.50 to 113.50): V

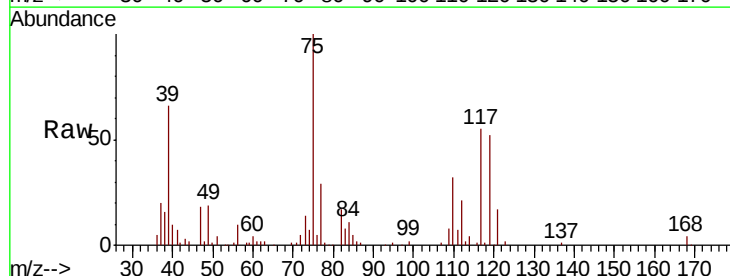
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.758 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.8	50.4
77	30.2	25.0	37.6

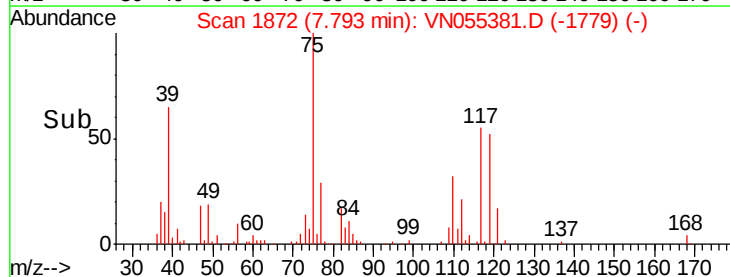
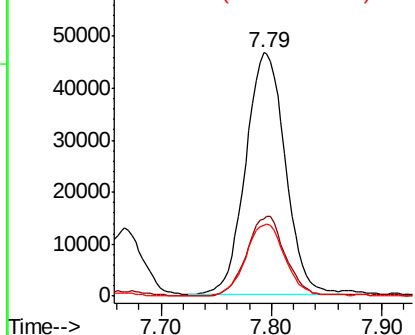


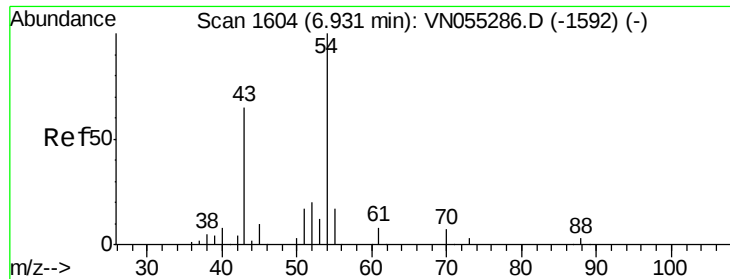
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

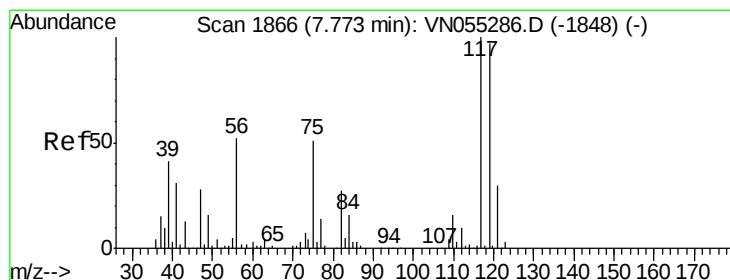
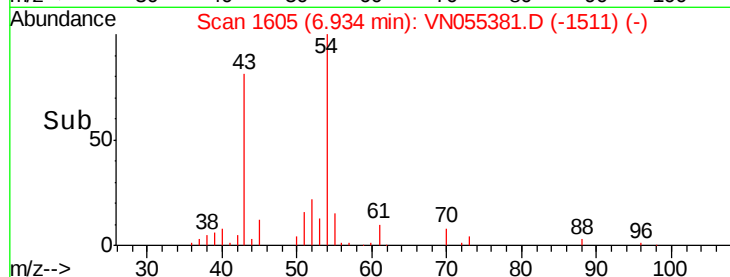
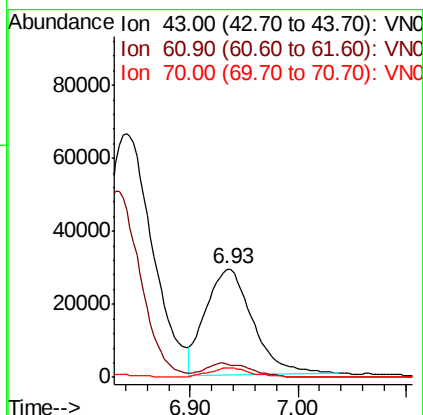
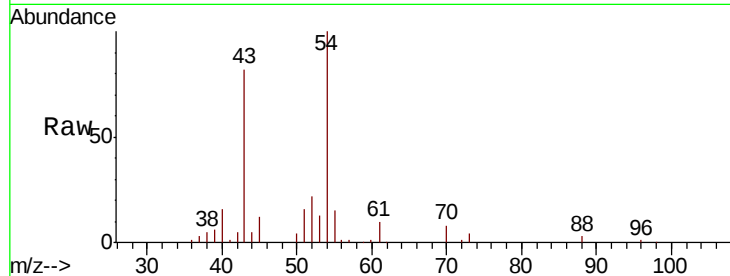




#37
Ethyl Acetate
Concen: 18.690 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

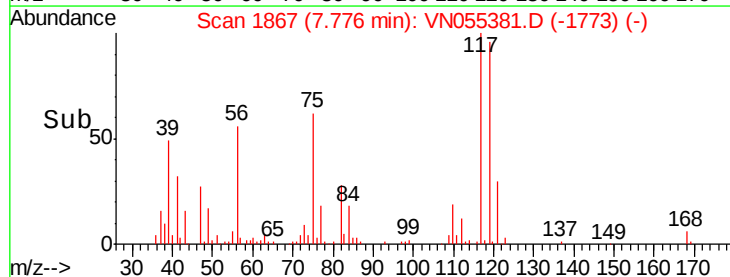
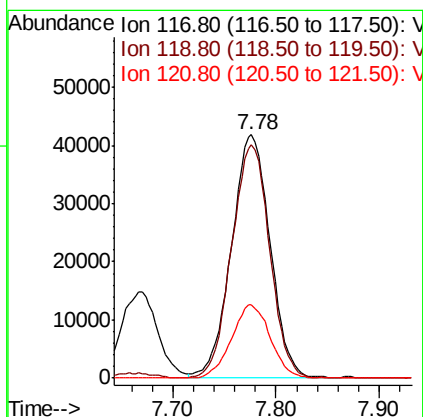
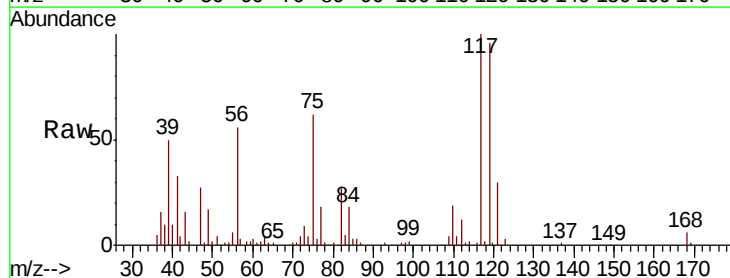
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

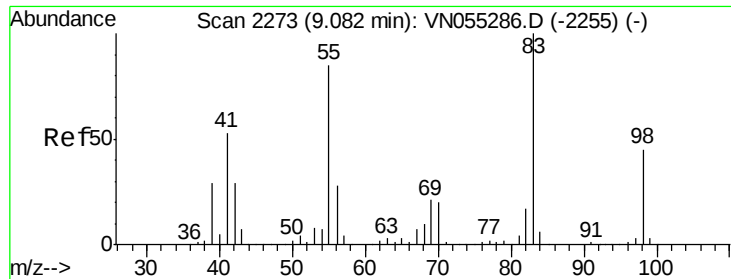
Tot Ion: 43 Resp: 88198
Ion Ratio Lower Upper
43 100
61 12.1 10.4 15.6
70 8.3 6.6 10.0



#38
Carbon Tetrachloride
Concen: 18.384 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 117 Resp: 109191
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.6
121 30.0 23.8 35.8

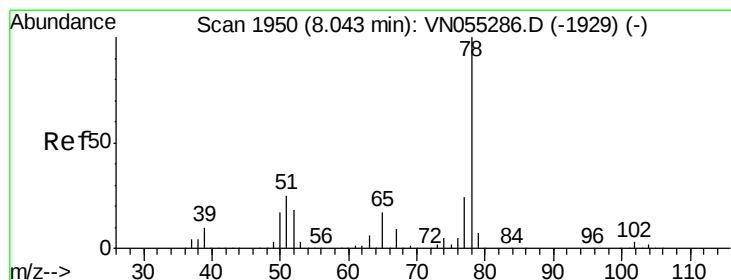
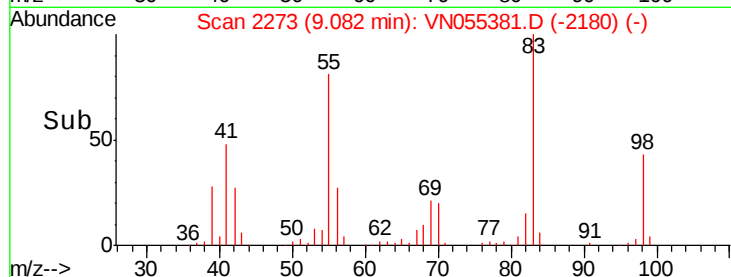
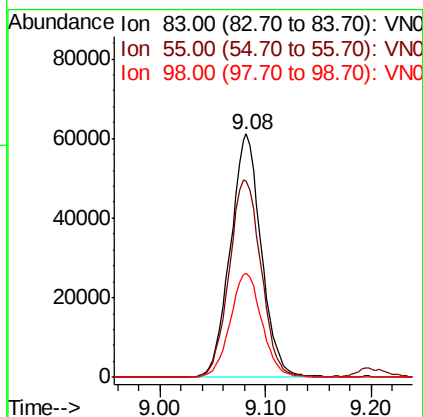
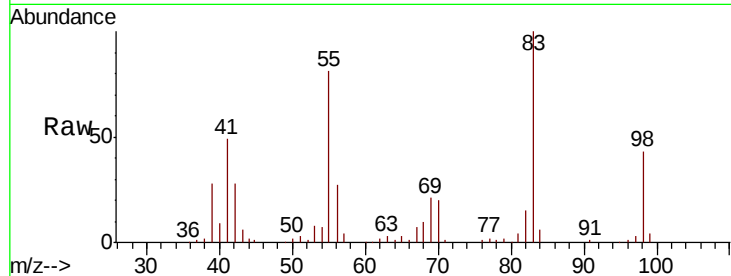




#39
Methvlcvclohexane
Concen: 18.942 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

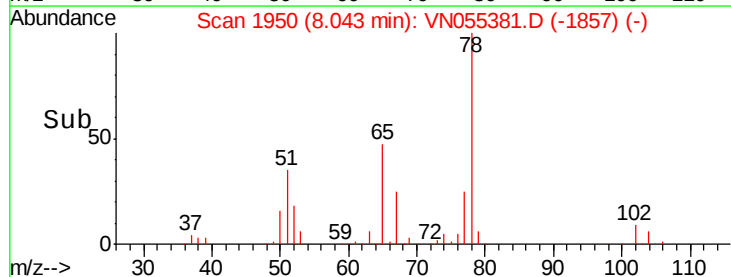
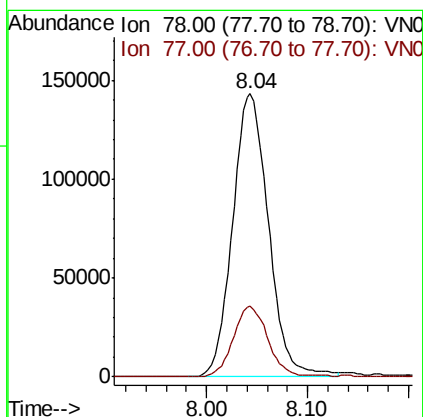
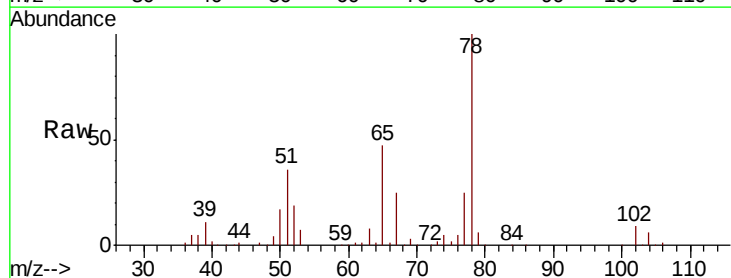
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

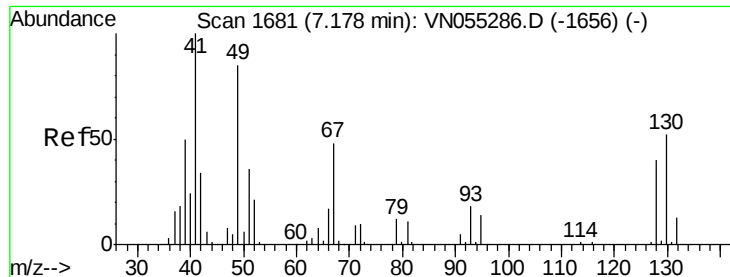
Tot Ion: 83 Resp: 124002
Ion Ratio Lower Upper
83 100
55 80.9 67.8 101.6
98 42.5 36.2 54.4



#40
Benzene
Concen: 19.505 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 78 Resp: 354039
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6

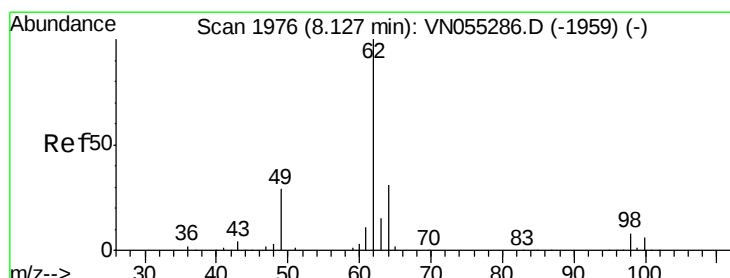
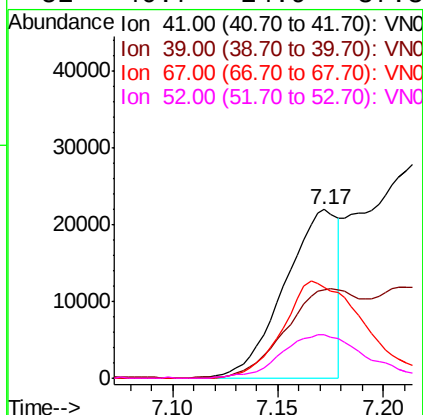
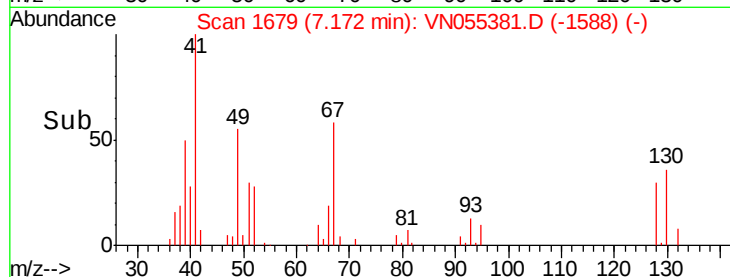
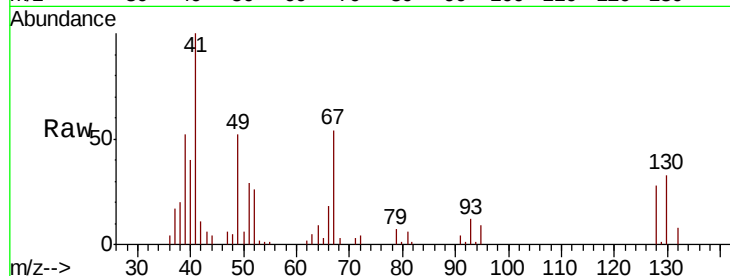




#41
Methacrylonitrile
Concen: 15.729 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

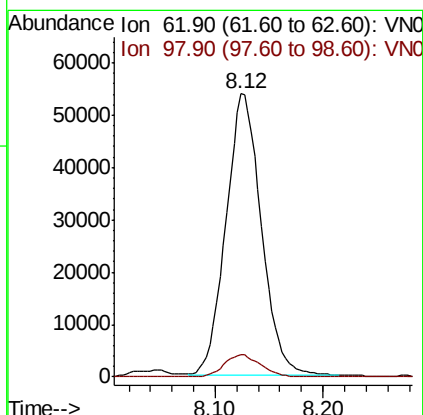
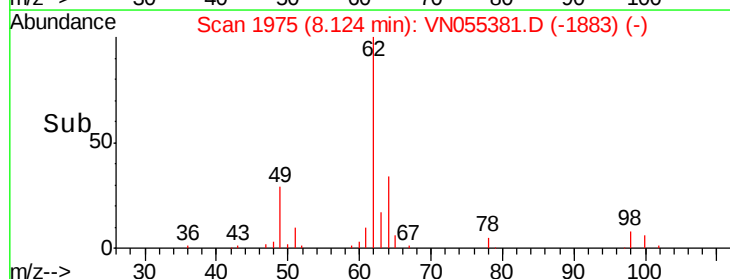
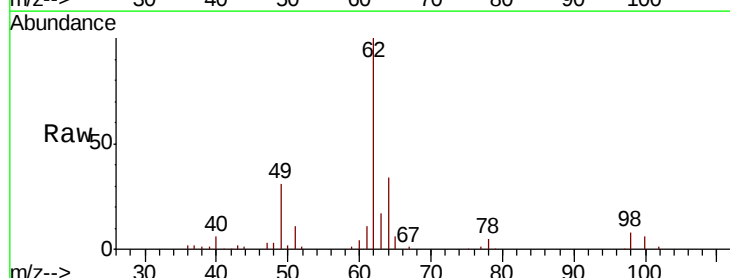
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

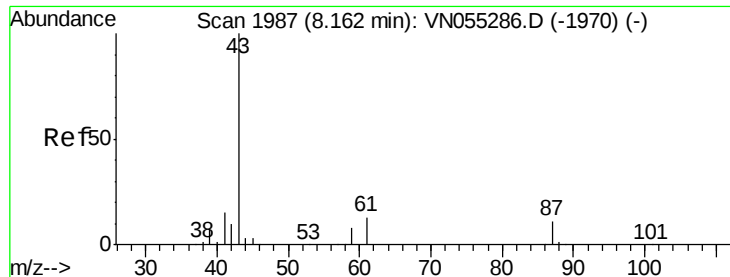
Tot Ion: 41 Resp: 38857
Ion Ratio Lower Upper
41 100
39 73.9 48.5 72.7#
67 89.9 54.9 82.3#
52 40.7 24.9 37.3#



#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 62 Resp: 123384
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 19.995 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

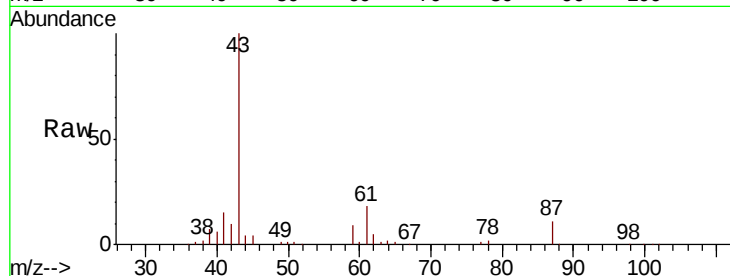
Tot Ion: 43 Resp: 151641

Ion Ratio Lower Upper

43 100

61 25.9 20.8 31.2

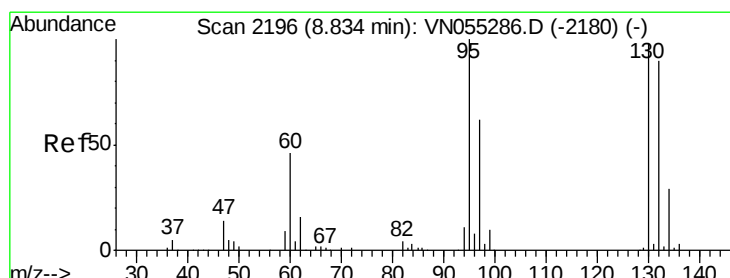
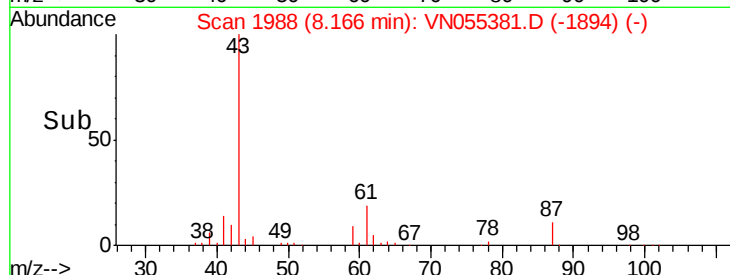
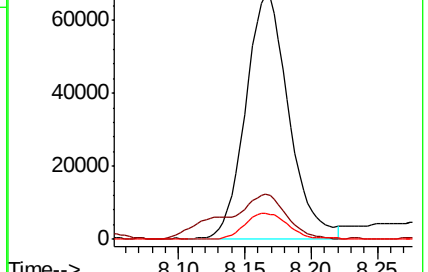
87 10.8 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055381.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN055381.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN055381.D (-1988) (-)



#44

Trichloroethene

Concen: 19.392 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055381.D

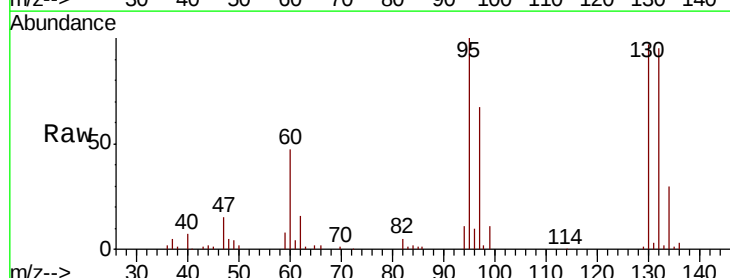
Acq: 3 May 2019 11:37

Tgt Ion:130 Resp: 89735

Ion Ratio Lower Upper

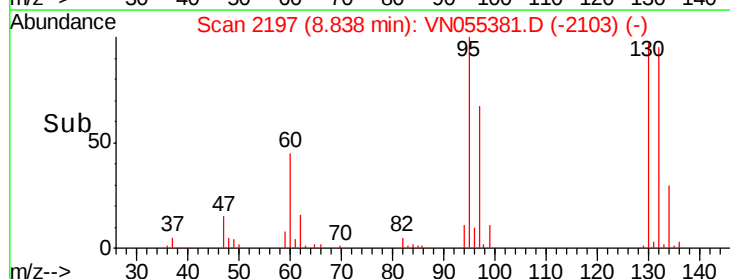
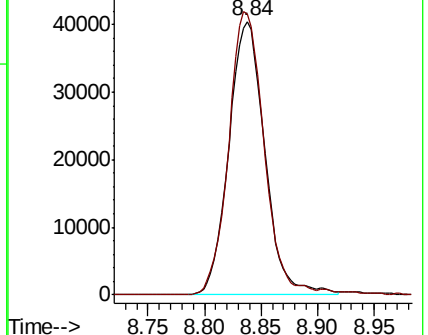
130 100

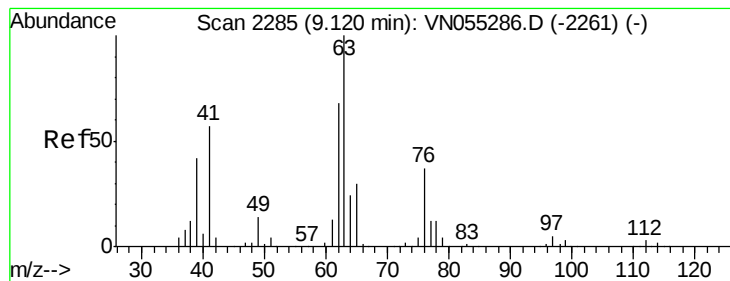
95 102.7 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055381.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN055381.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 19.795 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

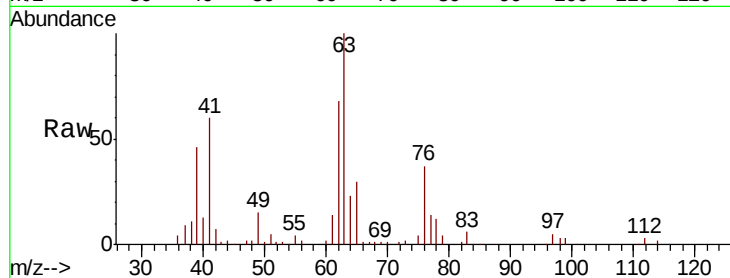
VN0503MBS01

Tot Ion: 63 Resp: 103629

Ion Ratio Lower Upper

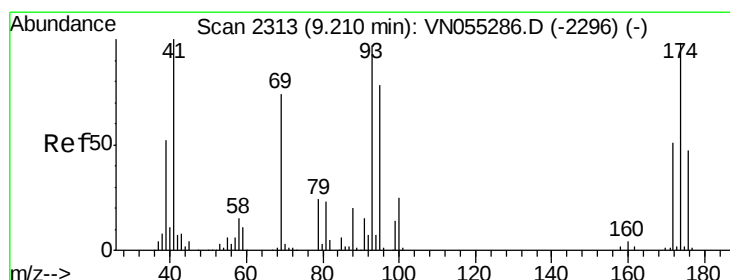
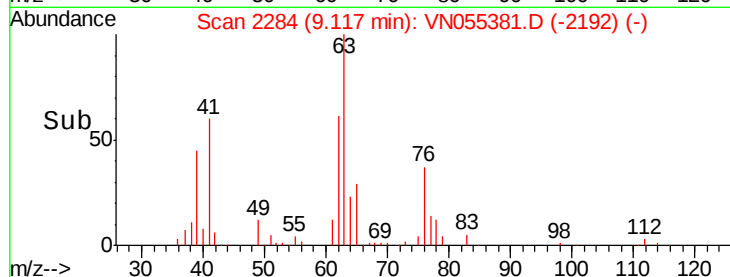
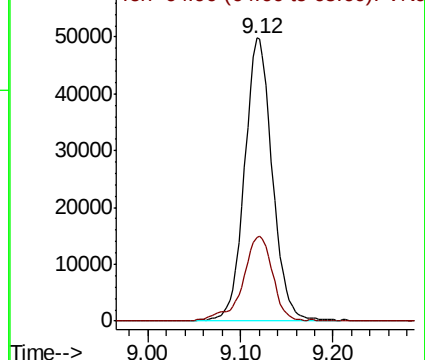
63 100

65 29.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.594 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

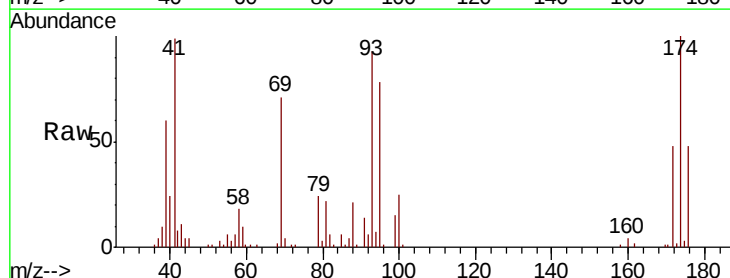
Tgt Ion: 93 Resp: 53208

Ion Ratio Lower Upper

93 100

95 87.3 65.7 98.5

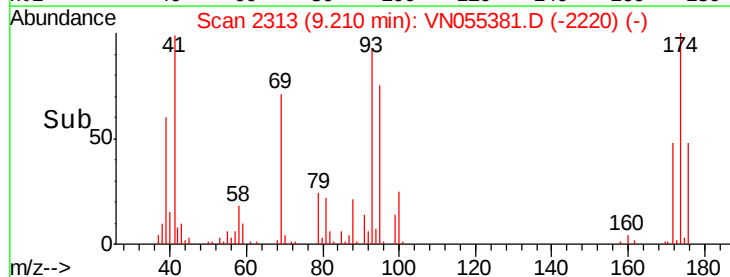
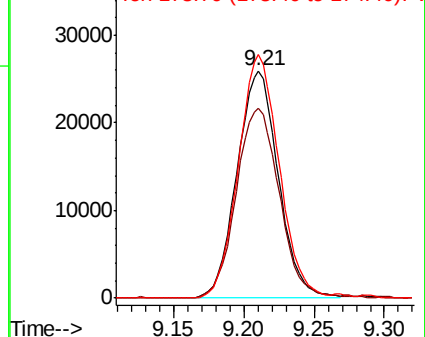
174 105.9 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.201 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

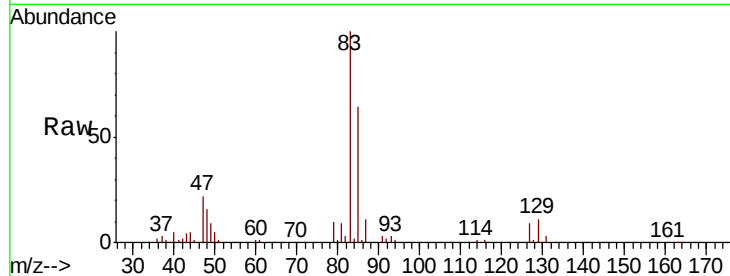
Tot Ion: 83 Resp: 117875

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

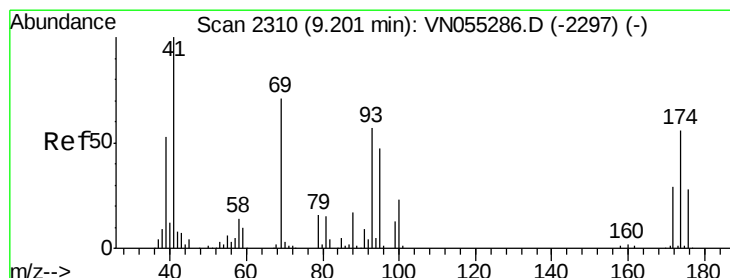
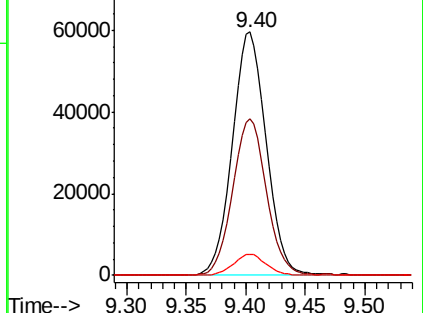
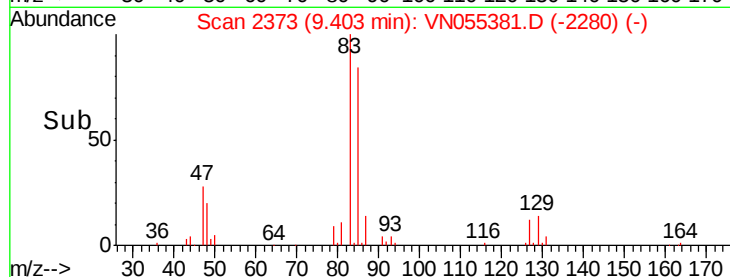
127 8.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055381.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055381.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055381.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.042 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

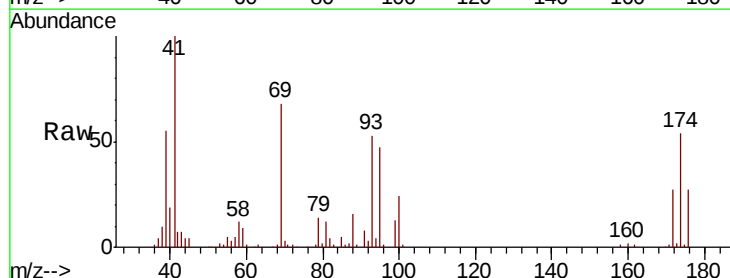
Tgt Ion: 41 Resp: 74723

Ion Ratio Lower Upper

41 100

69 70.9 58.6 87.8

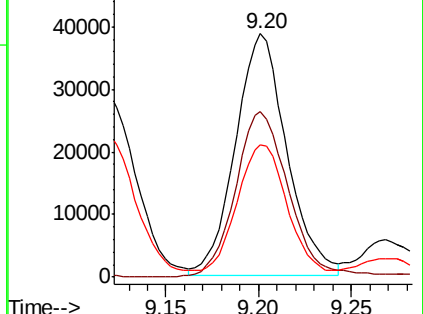
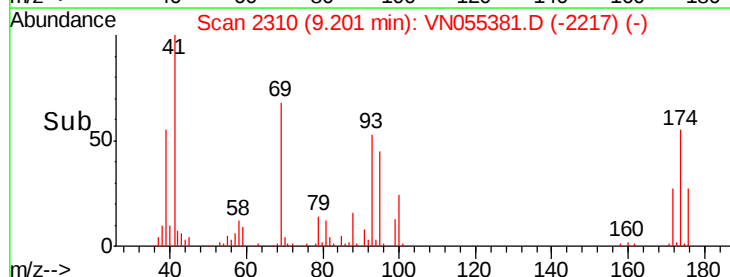
39 53.0 43.8 65.6

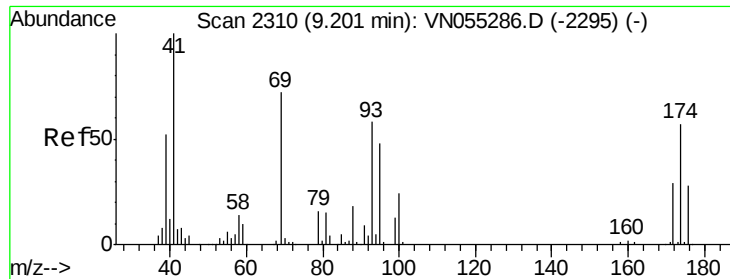


Abundance Ion 41.00 (40.70 to 41.70): VN055381.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055381.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055381.D (-2217) (-)





#49

1,4-Dioxane

Concen: 367.723 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

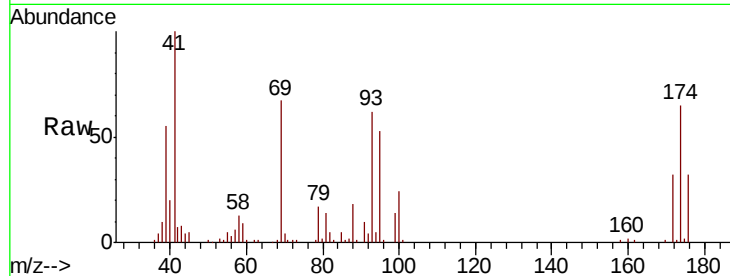
Tot Ion: 88 Resp: 14172

Ion Ratio Lower Upper

88 100

43 41.5 33.3 49.9

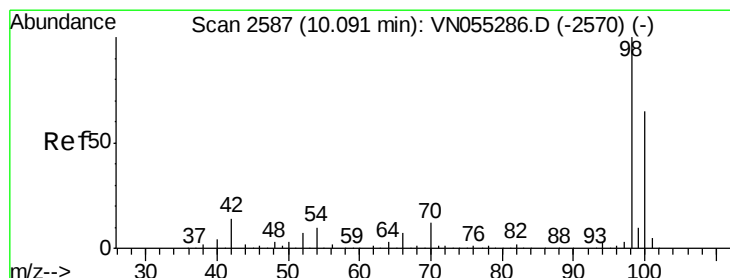
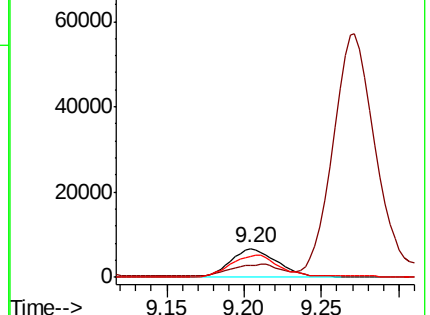
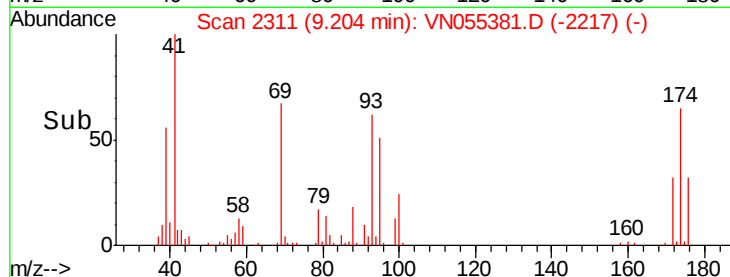
58 81.7 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055381.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055381.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055381.D (-2217) (-)



#50

Toluene-d8

Concen: 49.096 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055381.D

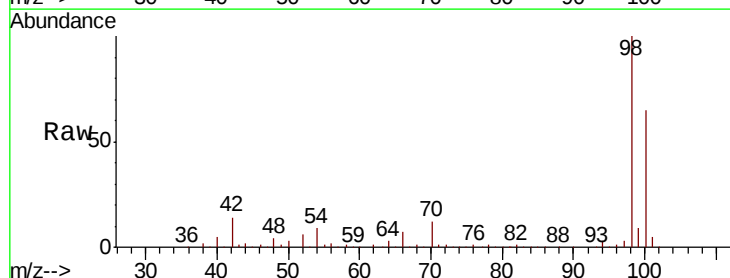
Acq: 3 May 2019 11:37

Tgt Ion: 98 Resp: 748002

Ion Ratio Lower Upper

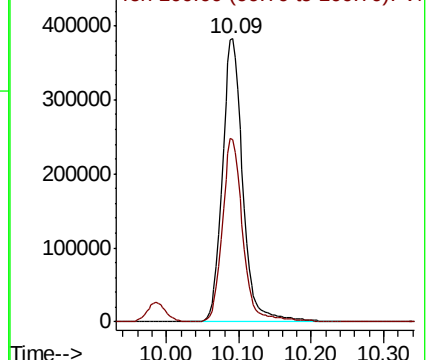
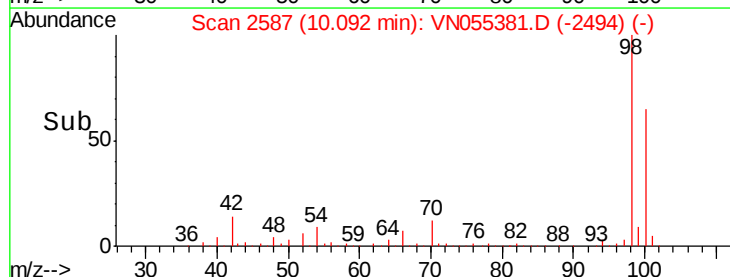
98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055381.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055381.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.190 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

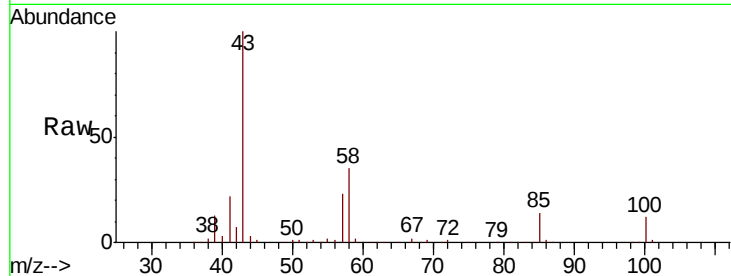
VN0503MBS01

Tot Ion: 43 Resp: 414982

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

250000

200000

150000

100000

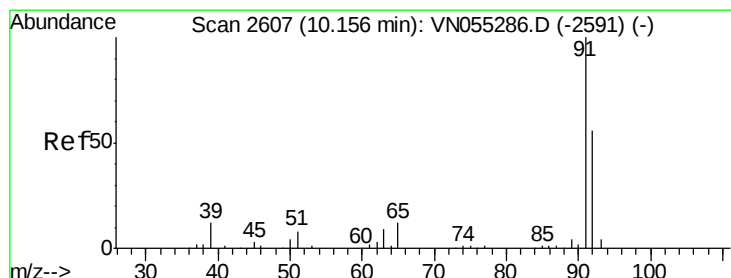
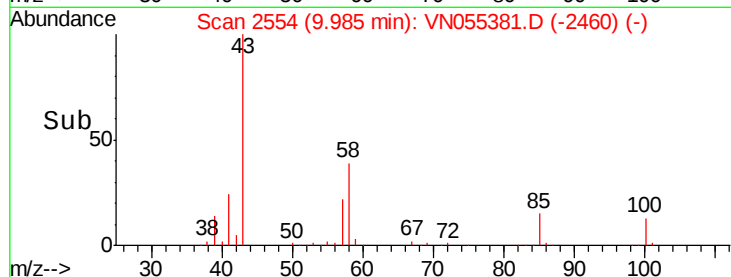
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.473 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055381.D

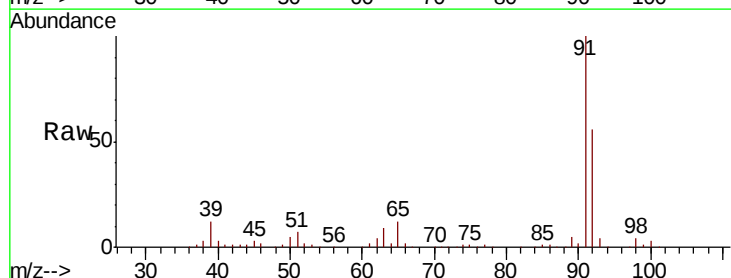
Acq: 3 May 2019 11:37

Tgt Ion: 92 Resp: 202809

Ion Ratio Lower Upper

92 100

91 177.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

200000

150000

100000

50000

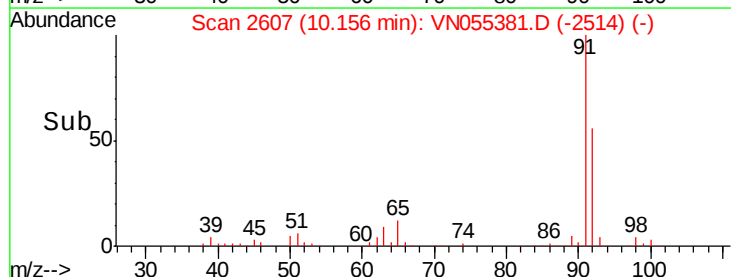
0

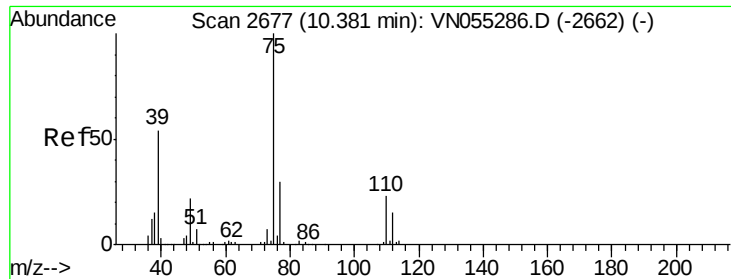
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.219 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

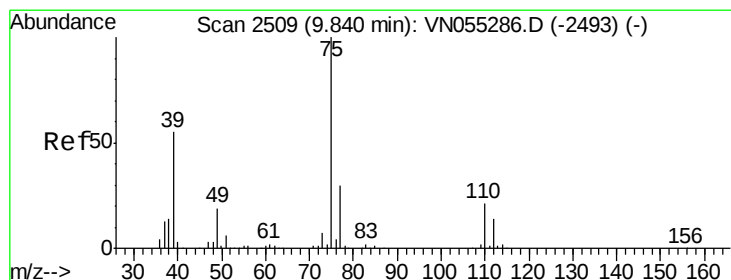
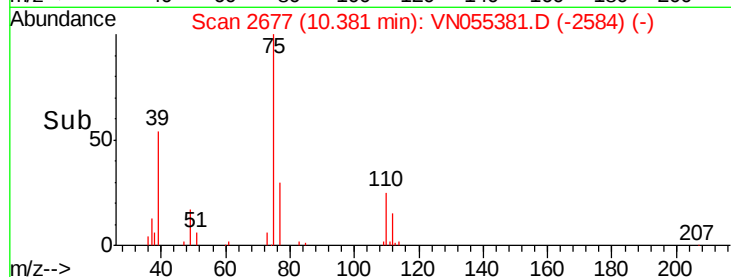
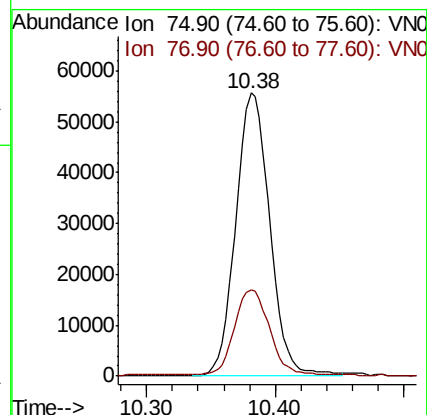
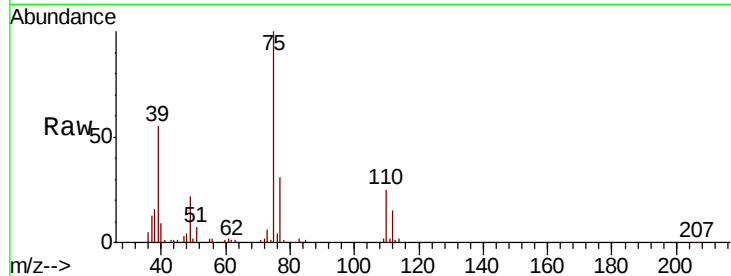
VN0503MBS01

Tot Ion: 75 Resp: 102424

Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.859 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

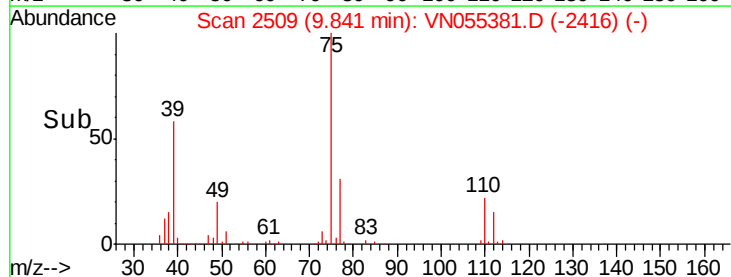
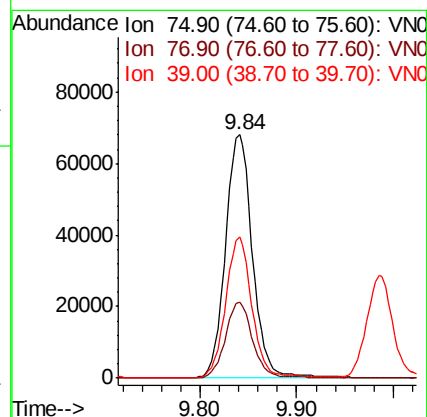
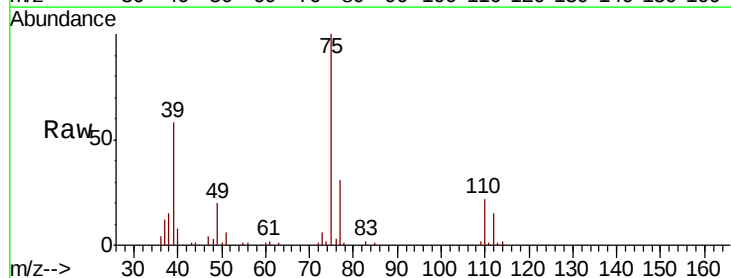
Tgt Ion: 75 Resp: 131953

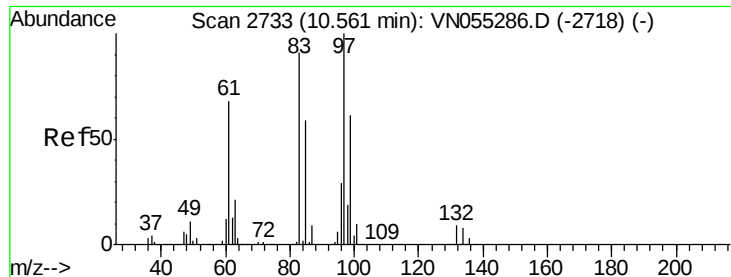
Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

39 58.1 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 19.891 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tot Ion: 97 Resp: 76928

Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.8	109.2
85	56.5	47.0	70.6
99	63.3	49.0	73.4

Abundance

Ion 96.90 (96.60 to 97.60): VNO

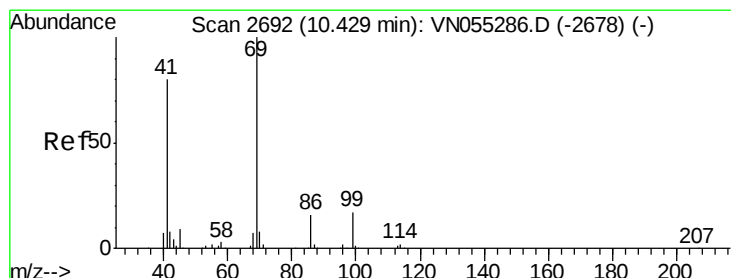
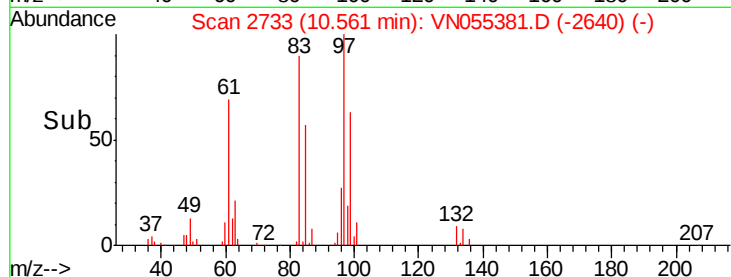
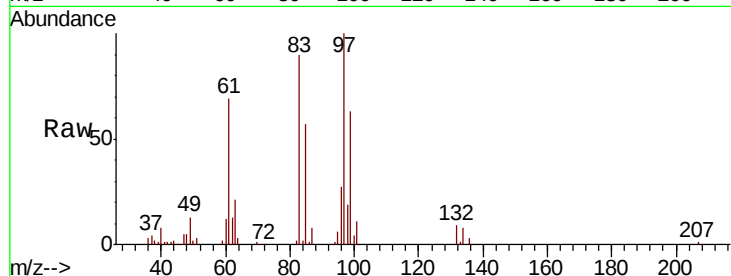
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->



#56

Ethyl methacrylate

Concen: 20.348 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion: 69 Resp: 96861

Ion	Ratio	Lower	Upper
69	100		
41	76.0	62.7	94.1
39	41.9	32.0	48.0

Abundance

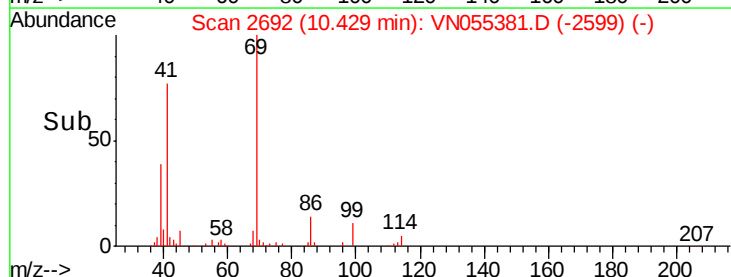
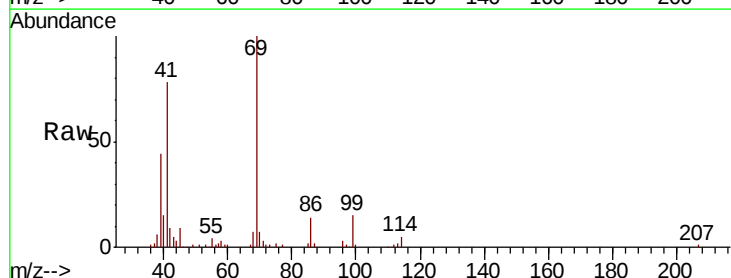
Ion 69.00 (68.70 to 69.70): VNO

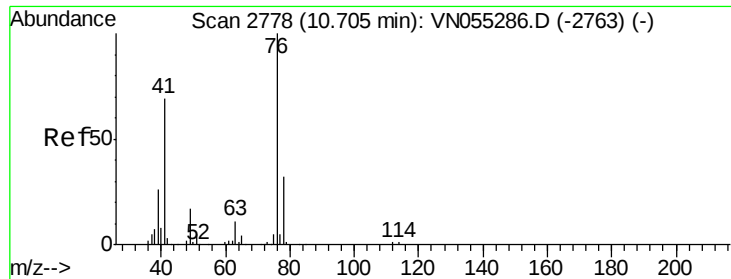
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->





#57

1,3-Dichloropropane

Concen: 20.070 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

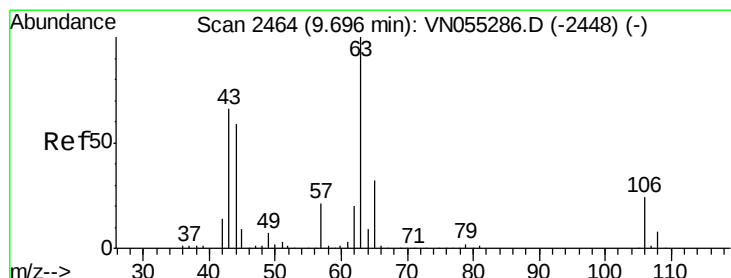
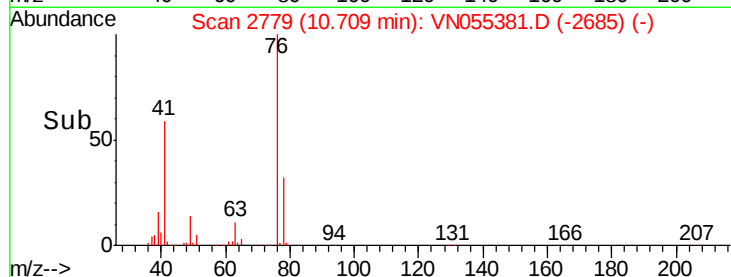
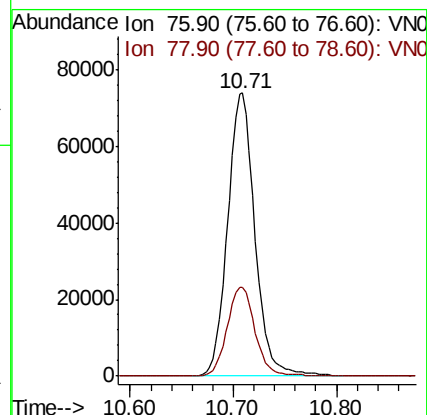
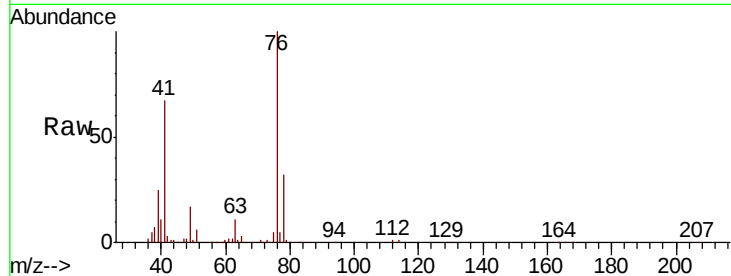
VN0503MBS01

Tot Ion: 76 Resp: 136164

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 74.772 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055381.D

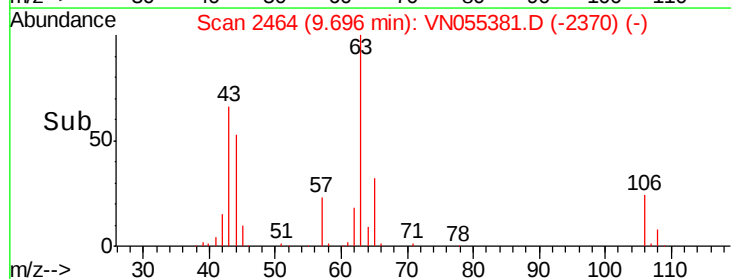
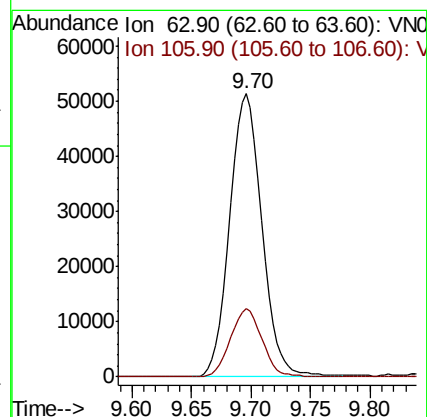
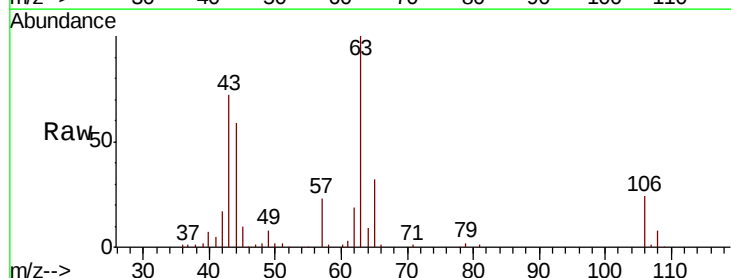
Acq: 3 May 2019 11:37

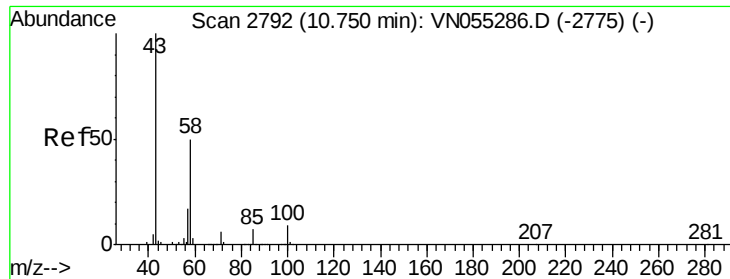
Tgt Ion: 63 Resp: 96946

Ion Ratio Lower Upper

63 100

106 23.3 19.0 28.4

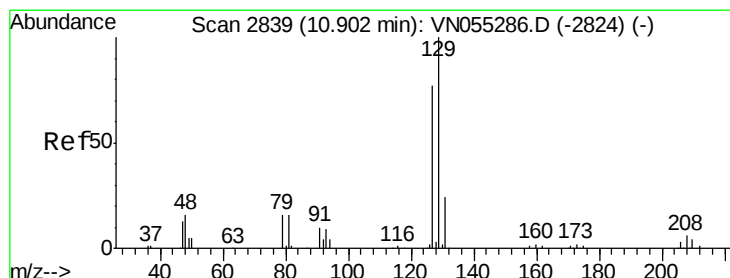
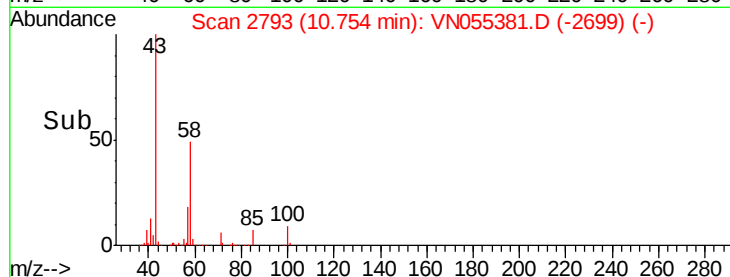
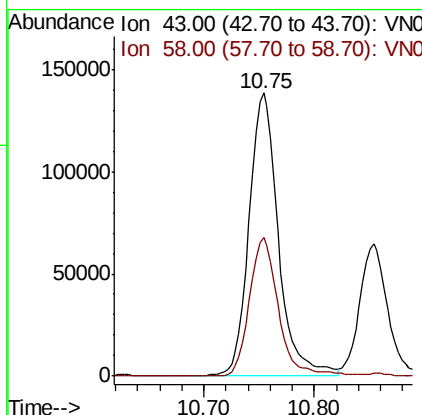
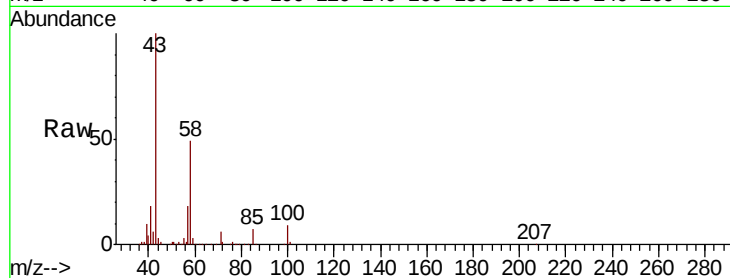




#59
2-Hexanone
Concen: 95.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

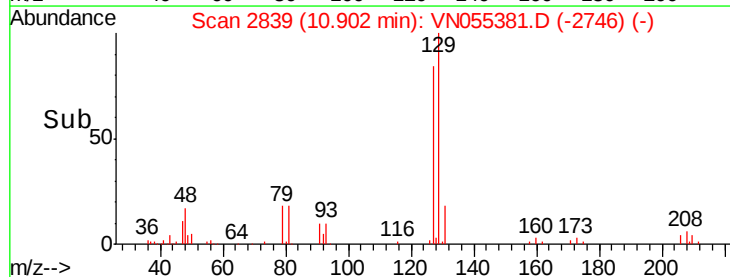
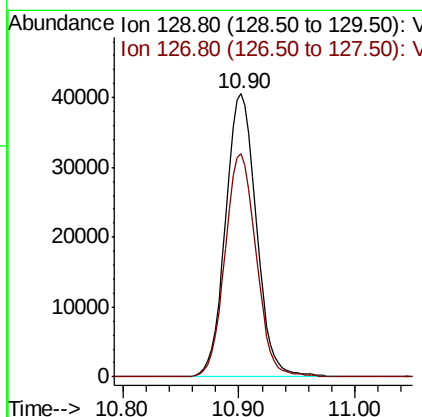
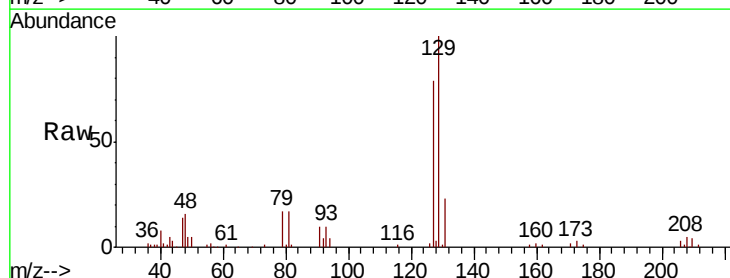
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

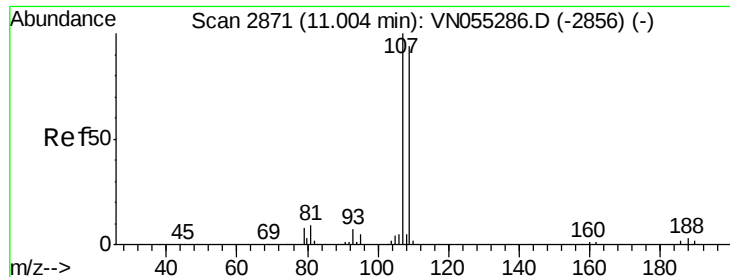
Tot Ion: 43 Resp: 255479
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6



#60
Dibromochloromethane
Concen: 18.858 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 129 Resp: 74540
Ion Ratio Lower Upper
129 100
127 79.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.677 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

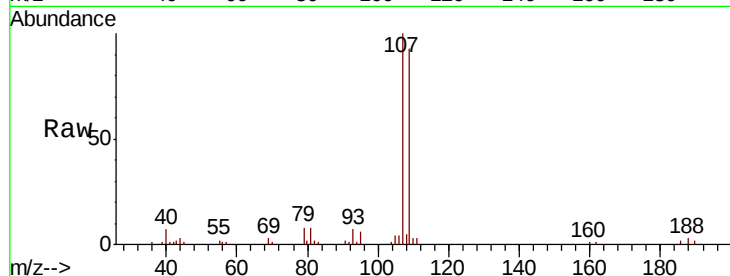
VN0503MBS01

Tot Ion:107 Resp: 70336

Ion Ratio Lower Upper

107 100

109 92.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

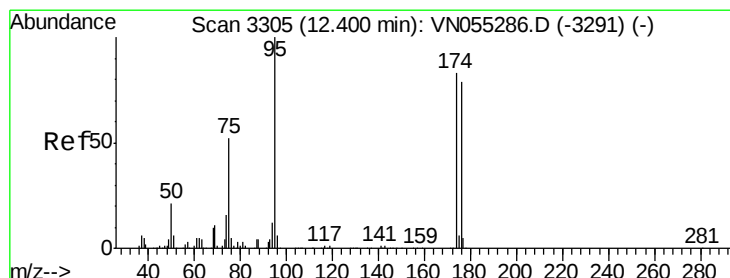
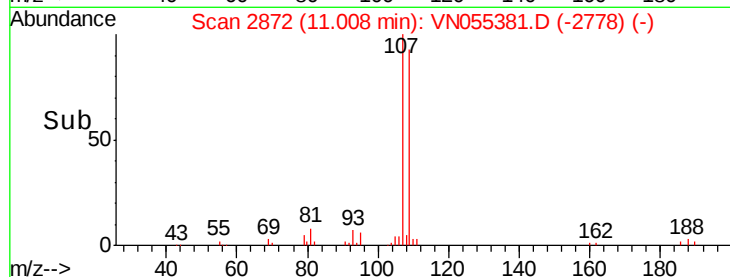
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

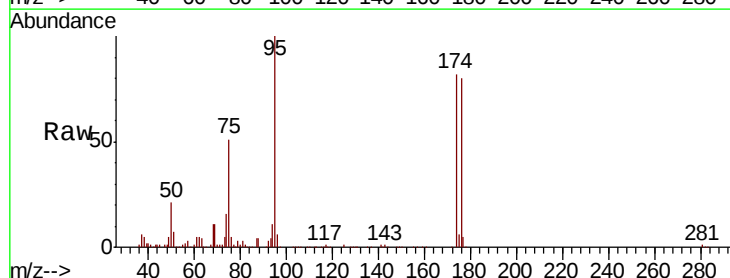
Tgt Ion: 95 Resp: 241127

Ion Ratio Lower Upper

95 100

174 82.8 0.0 166.6

176 81.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

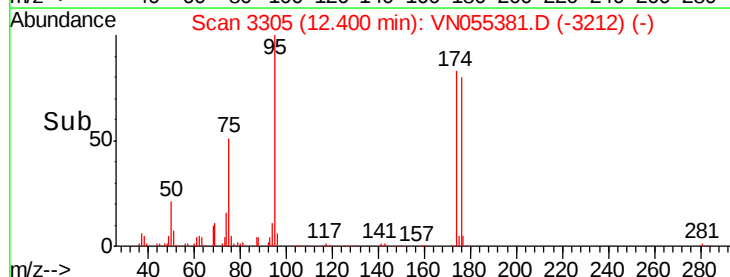
150000

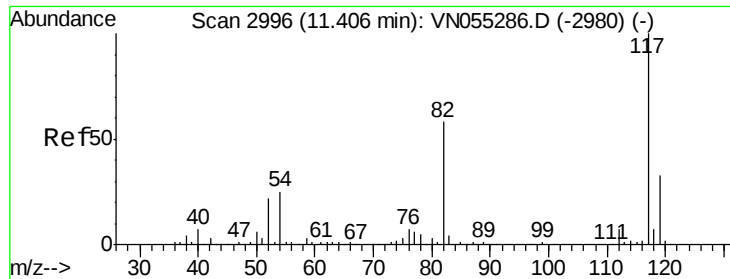
100000

50000

0

Time--> 12.35 12.40 12.45

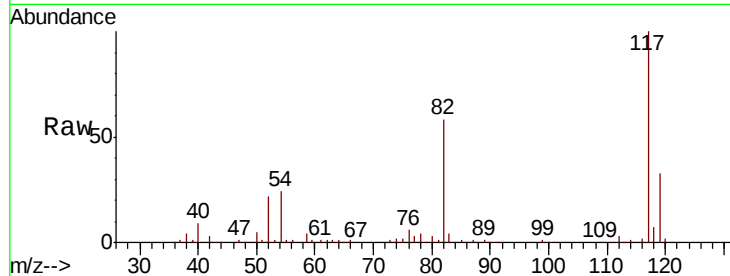




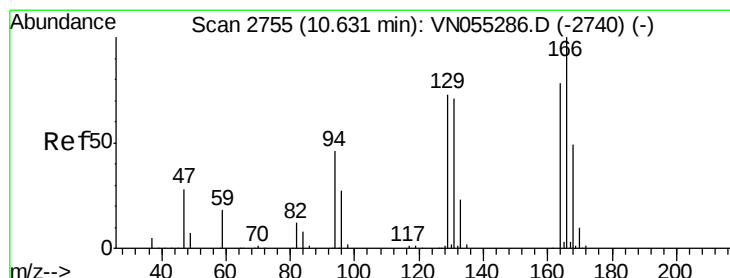
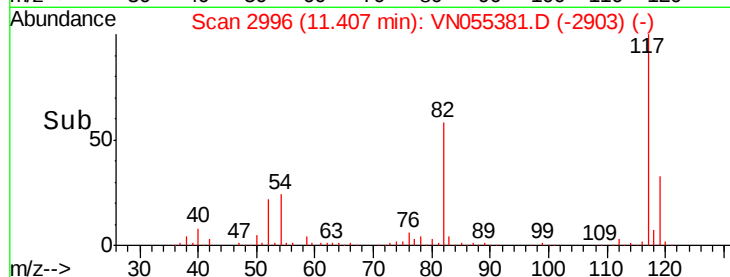
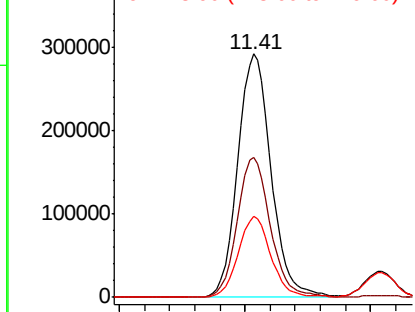
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tot Ion:117 Resp: 540198
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 33.0 26.6 40.0



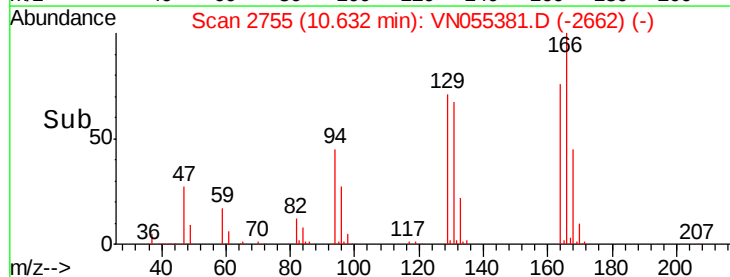
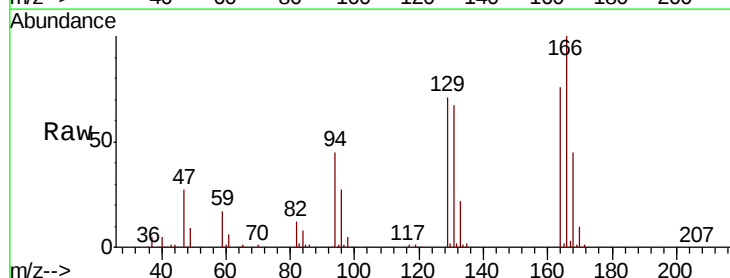
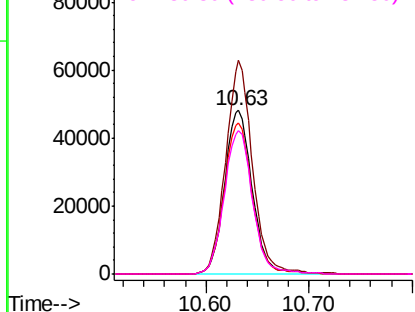
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

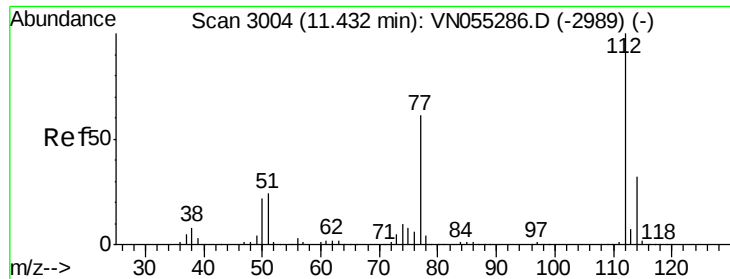


#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:164 Resp: 89929
Ion Ratio Lower Upper
164 100
166 130.9 102.3 153.5
129 92.7 75.0 112.6
131 87.8 72.7 109.1

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

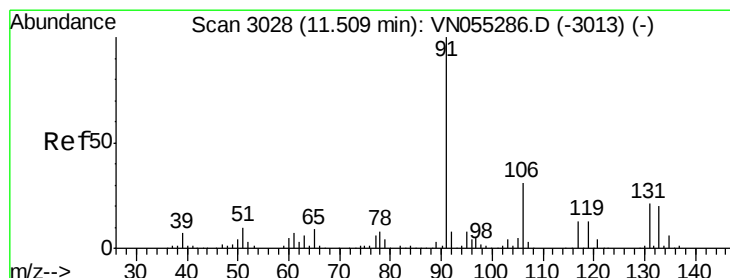
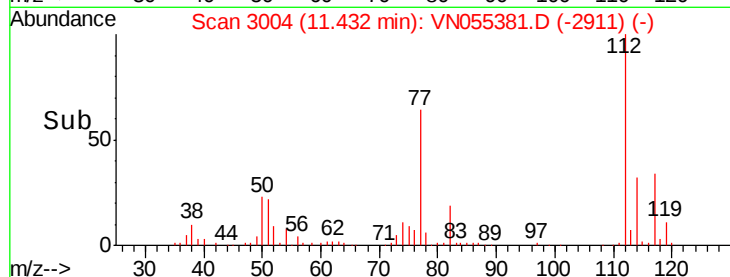
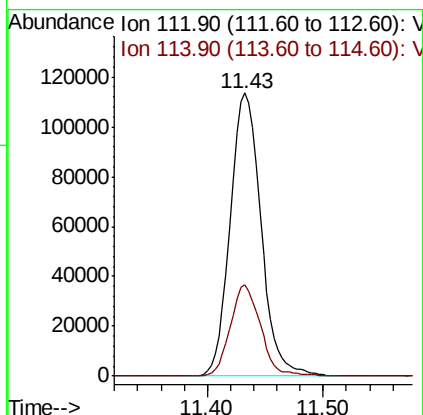
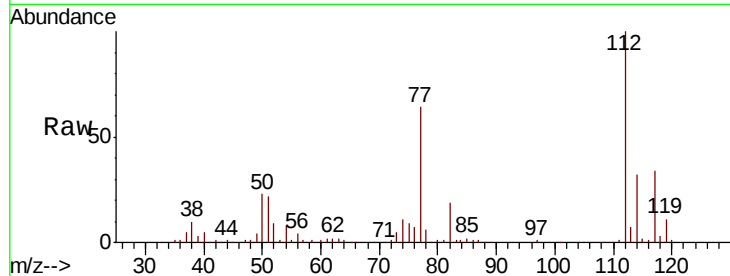




#65
Chlorobenzene
Concen: 19.770 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

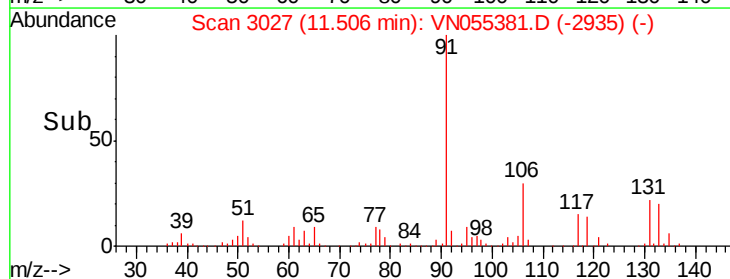
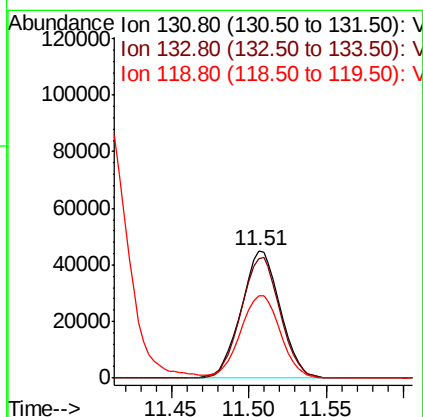
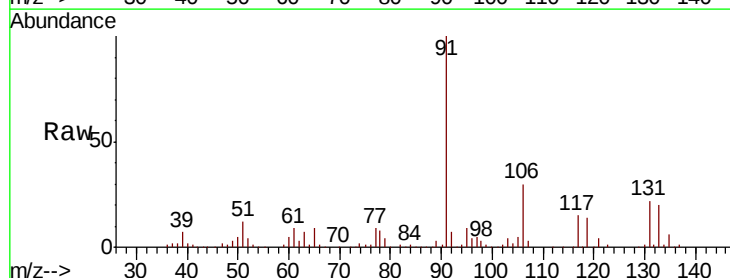
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

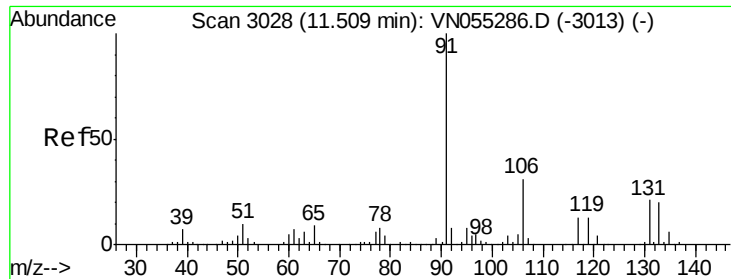
Tot Ion:112 Resp: 208802
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.132 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:131 Resp: 79123
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 66.6 32.7 98.1

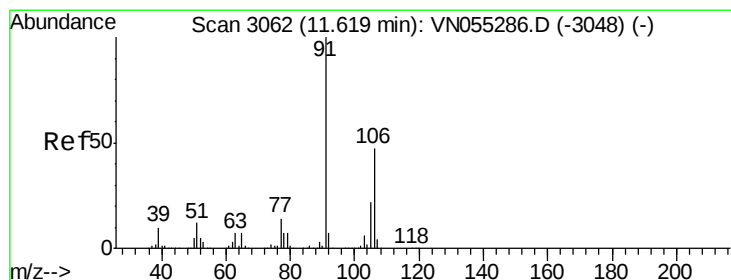
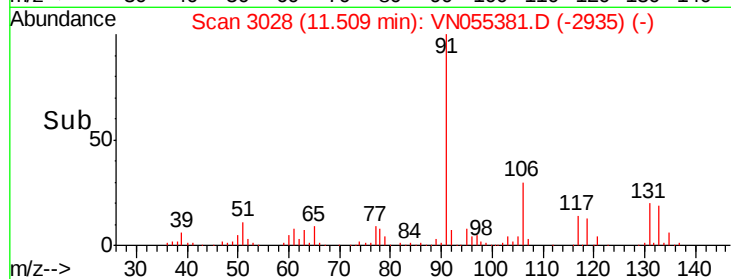
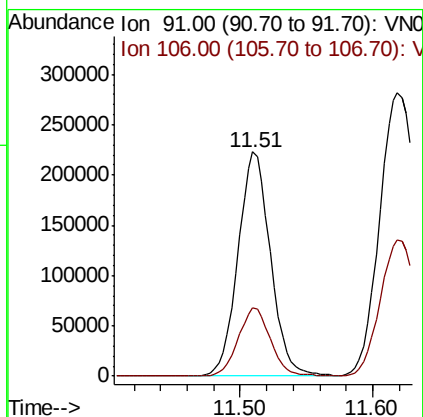
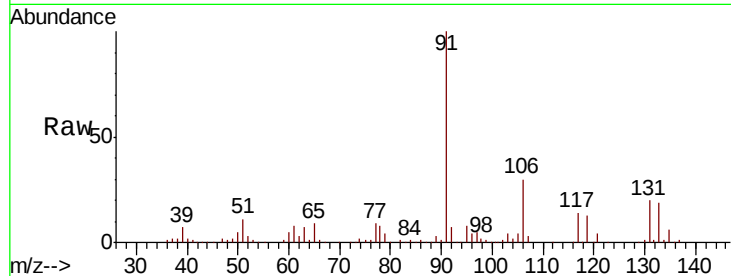




#67
Ethyl Benzene
Concen: 19.885 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

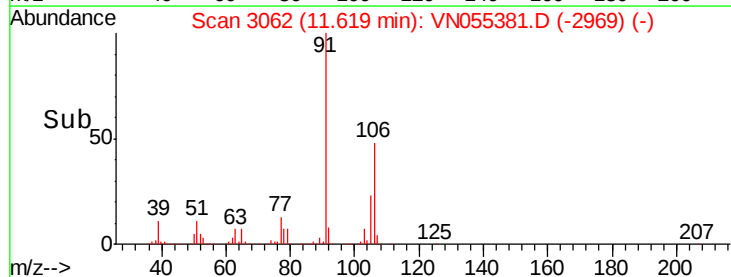
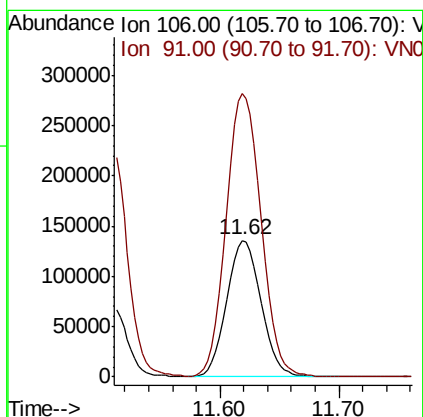
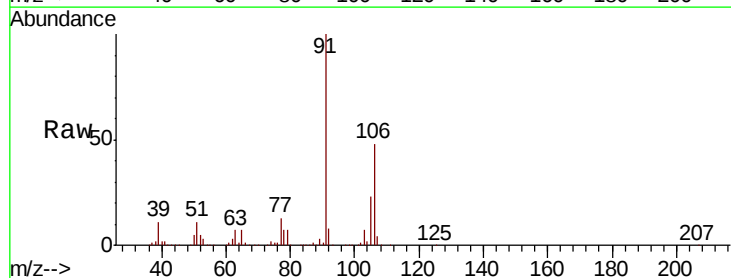
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

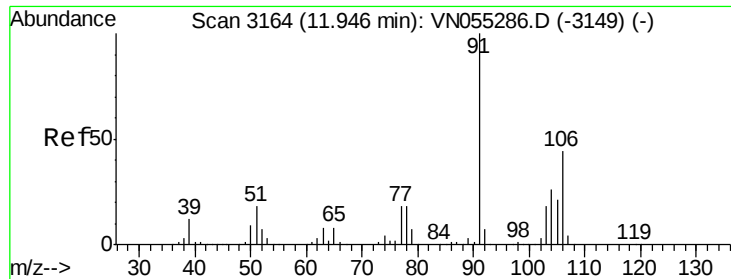
Tot Ion: 91 Resp: 379249
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 39.938 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 106 Resp: 271883
Ion Ratio Lower Upper
106 100
91 210.9 169.5 254.3

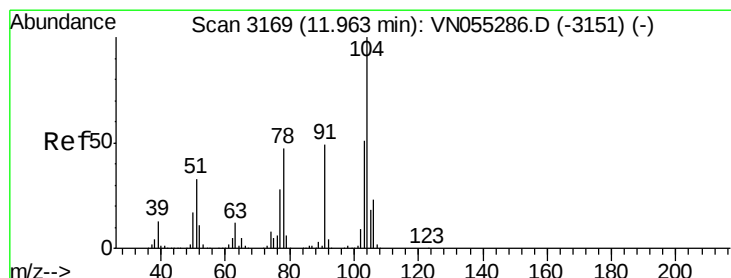
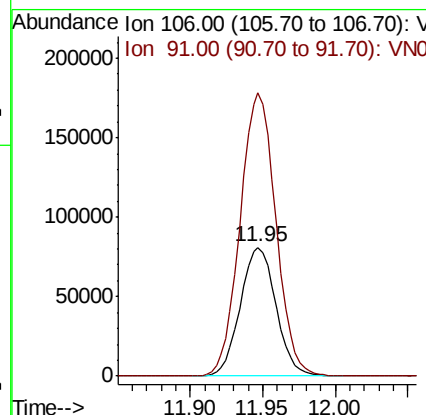
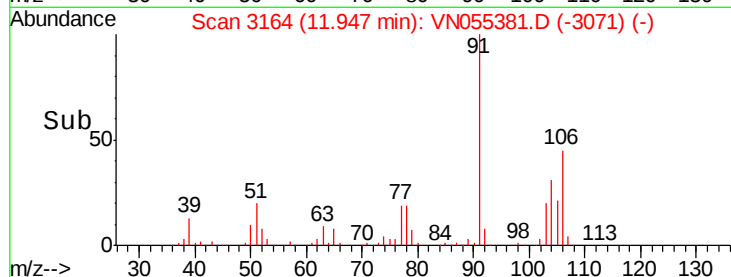
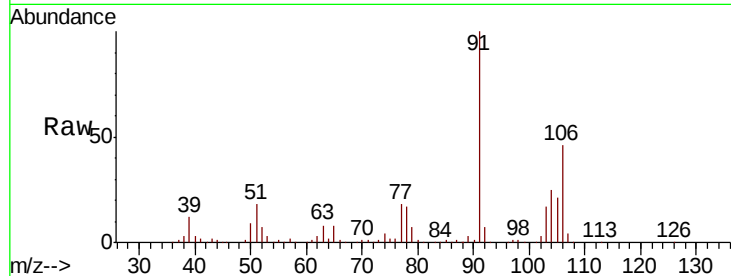




#69
o-Xylene
Concen: 20.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

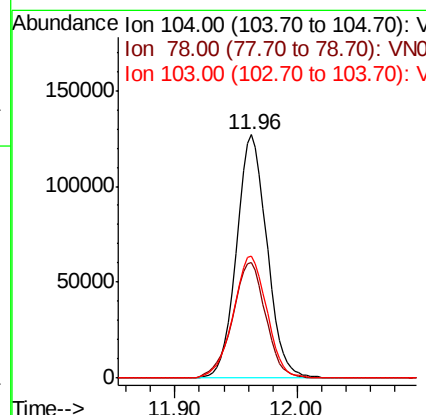
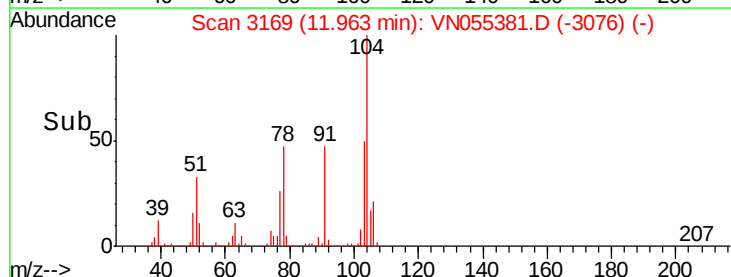
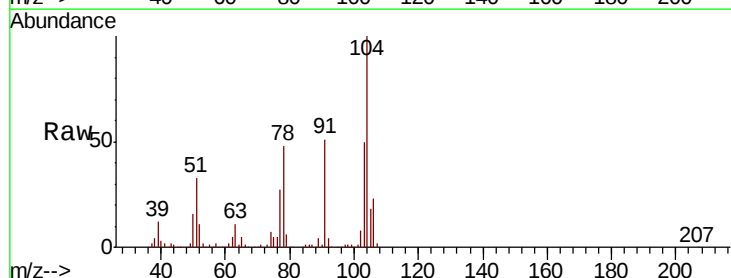
Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

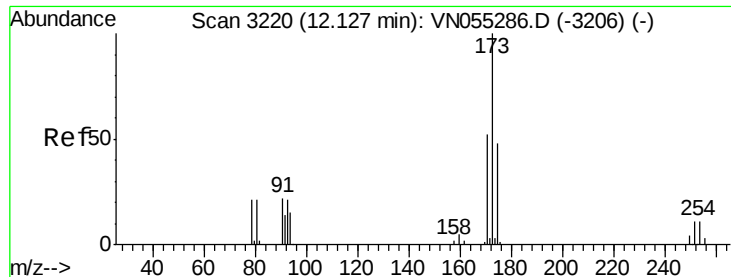
Tot Ion:106 Resp: 138746
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.5



#70
Styrene
Concen: 21.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:104 Resp: 220042
Ion Ratio Lower Upper
104 100
78 52.0 42.2 63.2
103 55.3 44.6 67.0





#71

Bromoform

Concen: 19.180 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

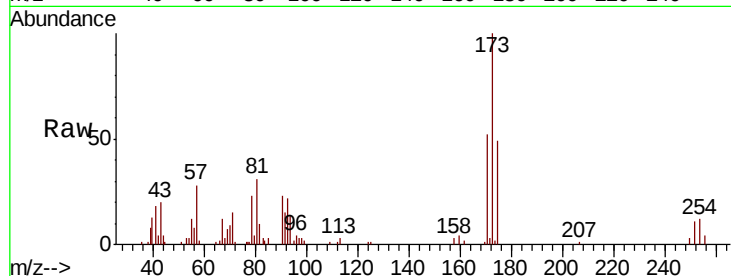
Tot Ion:173 Resp: 44013

Ion Ratio Lower Upper

173 100

175 48.2 23.6 71.0

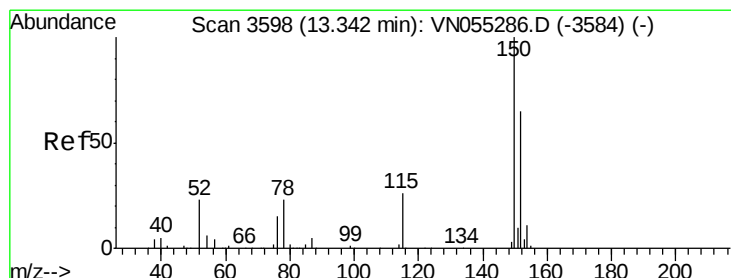
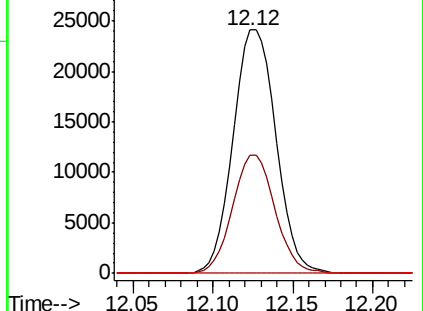
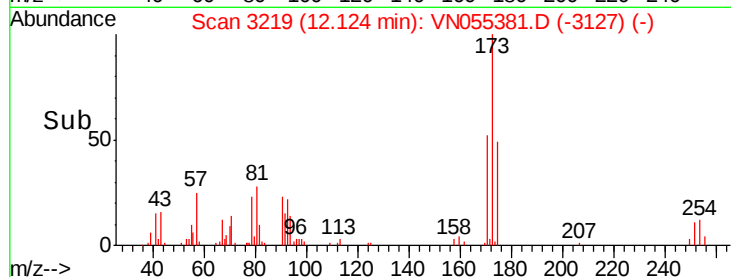
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

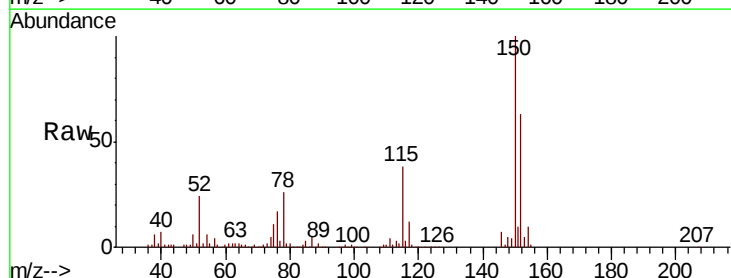
Tgt Ion:152 Resp: 198485

Ion Ratio Lower Upper

152 100

115 59.6 29.0 87.0

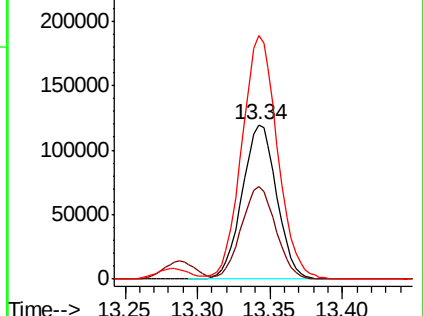
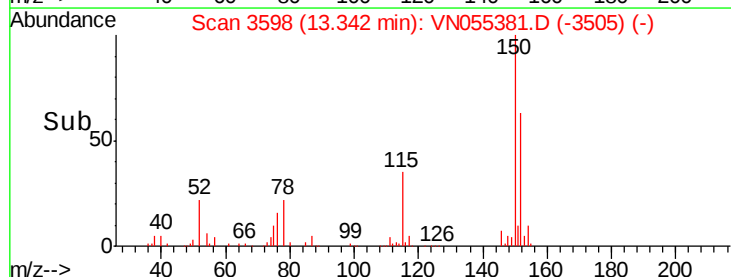
150 162.1 0.0 345.6

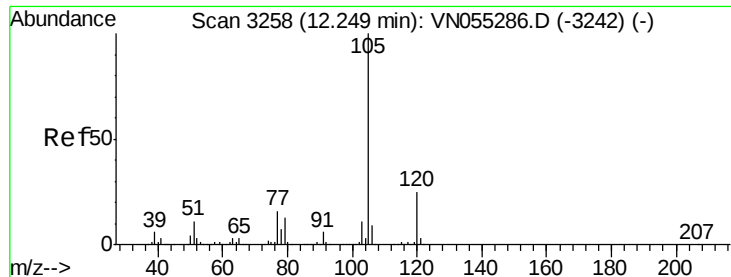


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.563 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

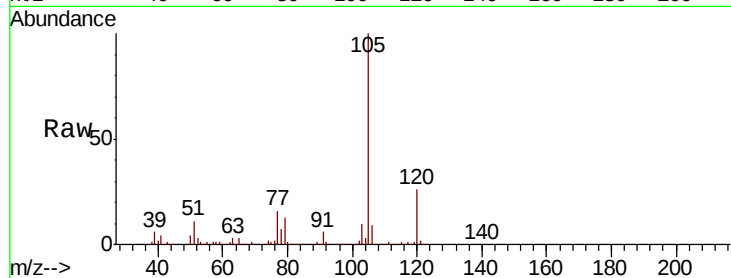
VN0503MBS01

Tot Ion:105 Resp: 368956

Ion Ratio Lower Upper

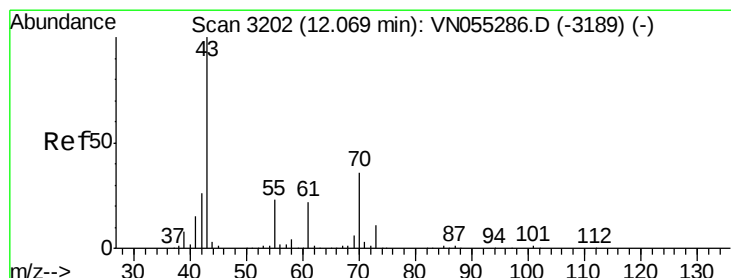
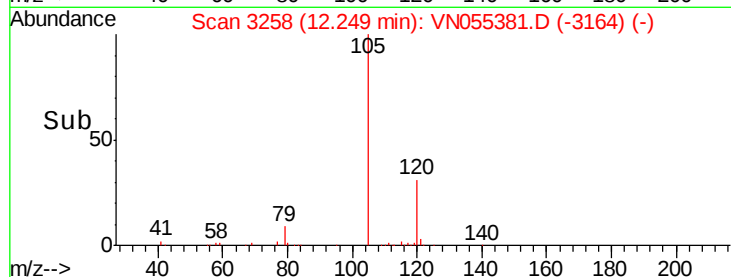
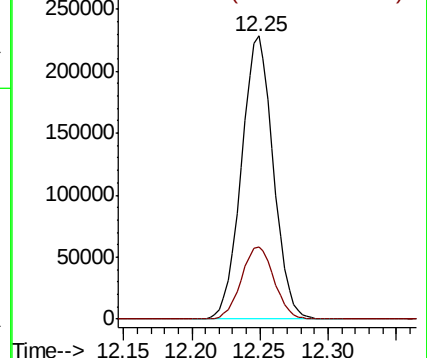
105 100

120 26.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.799 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion: 43 Resp: 105950

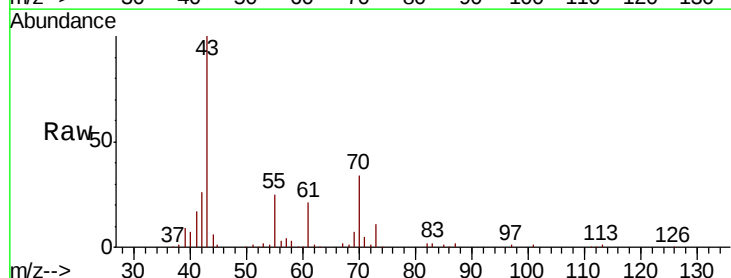
Ion Ratio Lower Upper

43 100

70 31.3 27.9 41.9

55 24.9 18.2 27.2

61 19.5 16.9 25.3

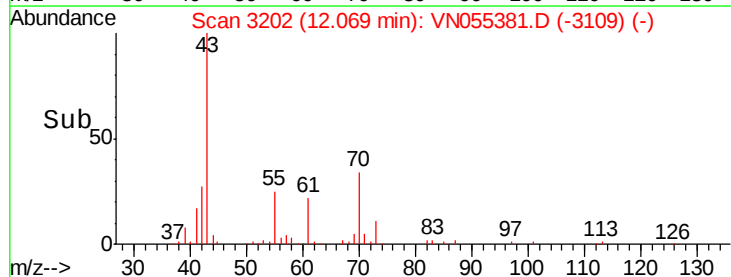
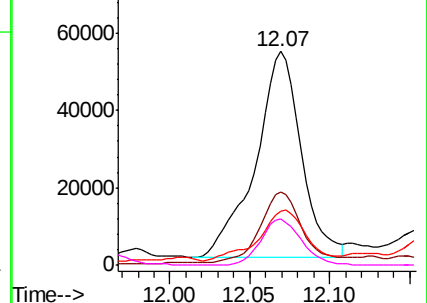


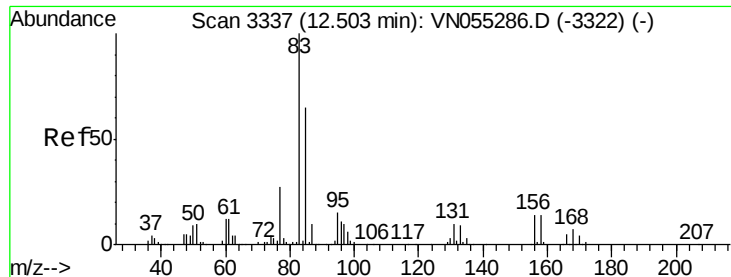
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.439 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

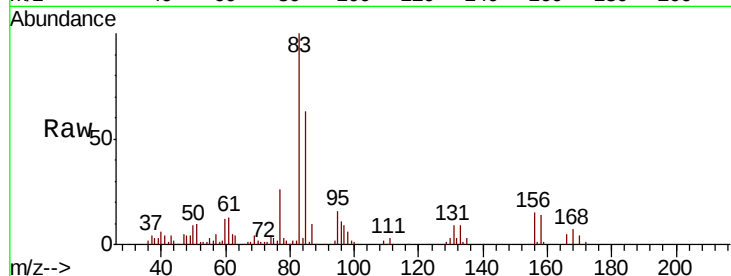
Tot Ion: 83 Resp: 87774

Ion Ratio Lower Upper

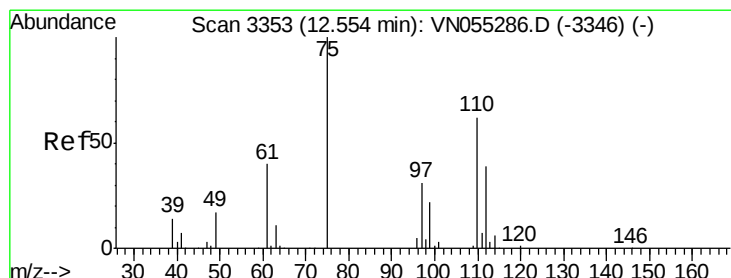
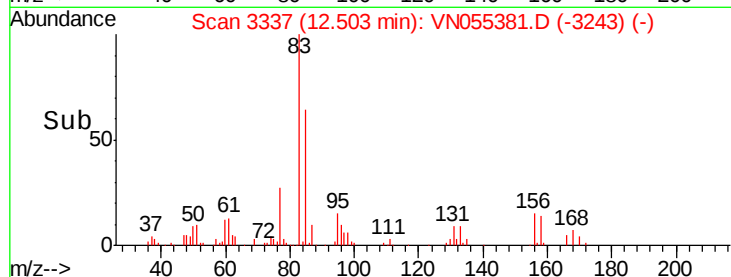
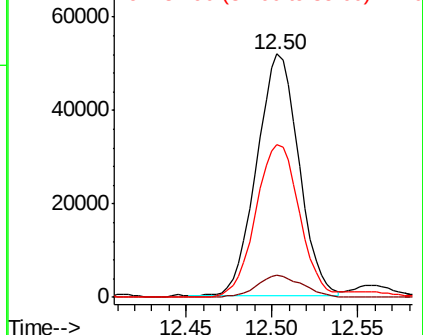
83 100

131 9.9 5.1 15.2

85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 26.524 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055381.D

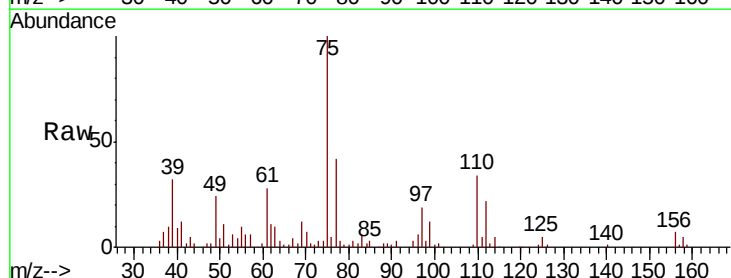
Acq: 3 May 2019 11:37

Tgt Ion: 75 Resp: 102219

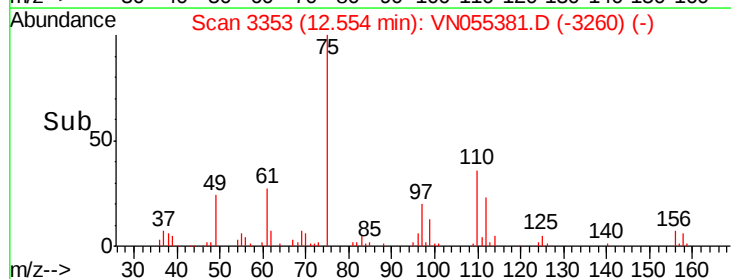
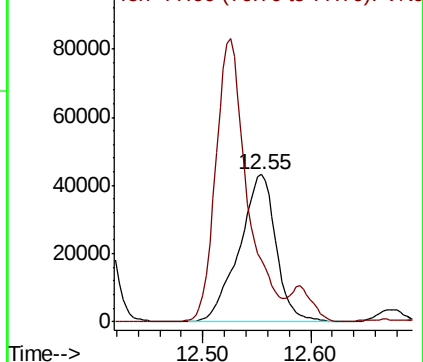
Ion Ratio Lower Upper

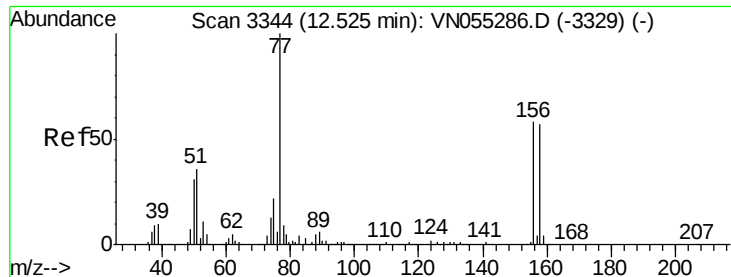
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.786 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

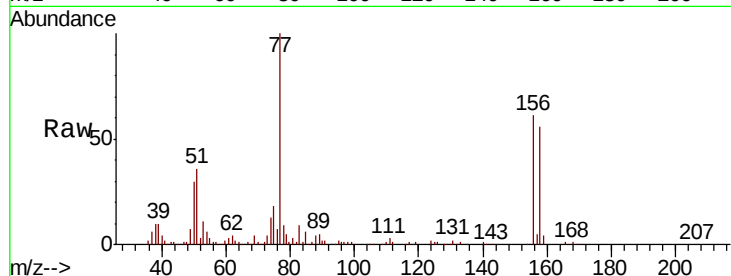
Tot Ion:156 Resp: 87203

Ion Ratio Lower Upper

156 100

77 193.0 99.6 298.8

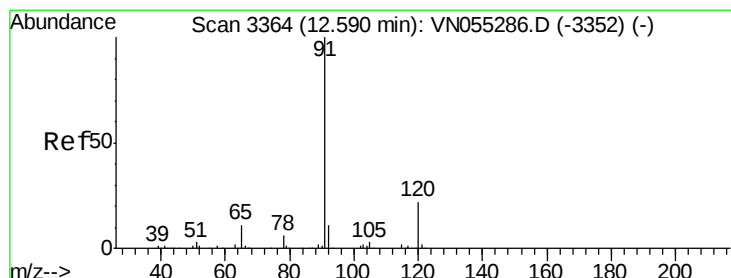
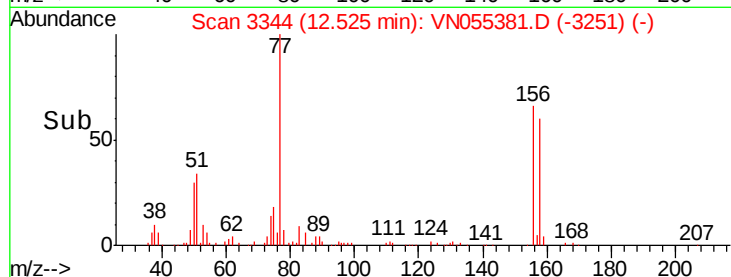
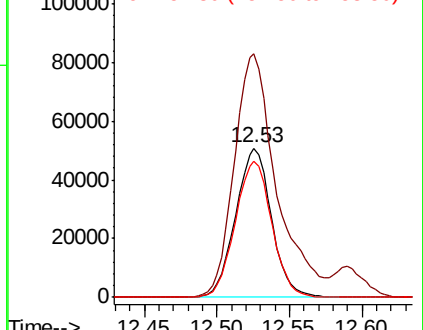
158 93.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.631 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055381.D

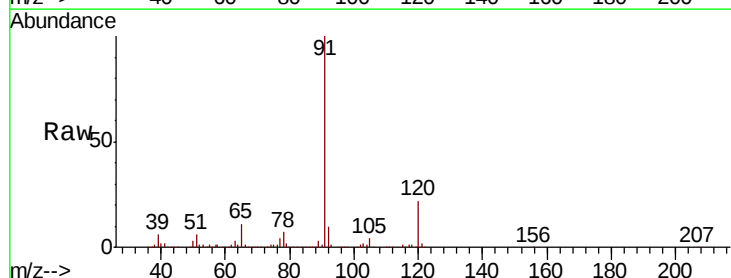
Acq: 3 May 2019 11:37

Tgt Ion: 91 Resp: 400242

Ion Ratio Lower Upper

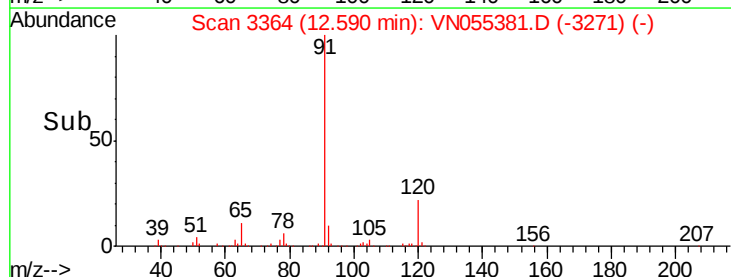
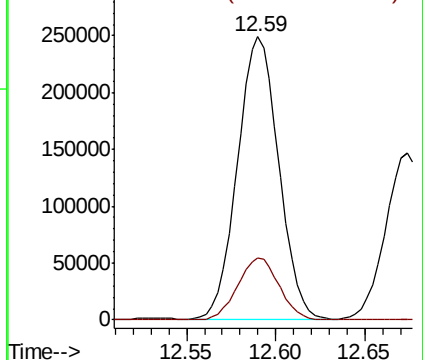
91 100

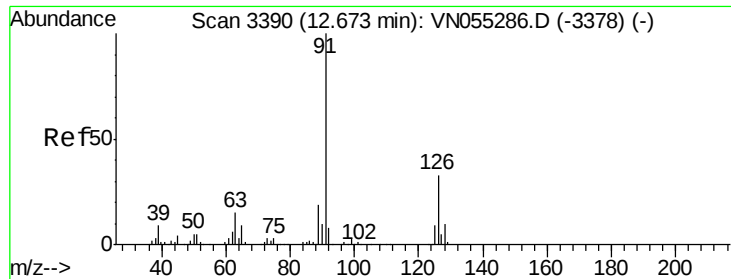
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.890 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

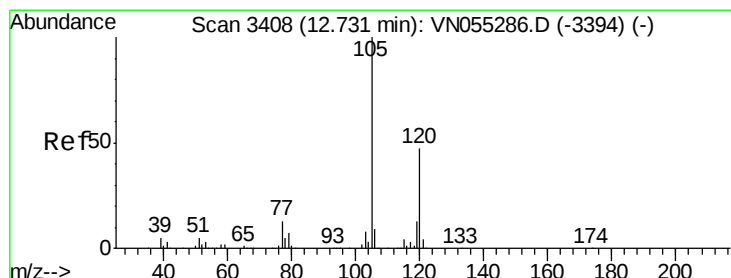
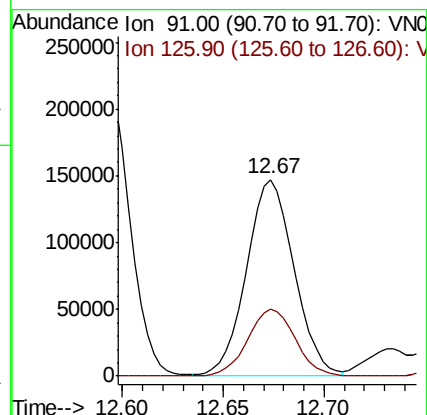
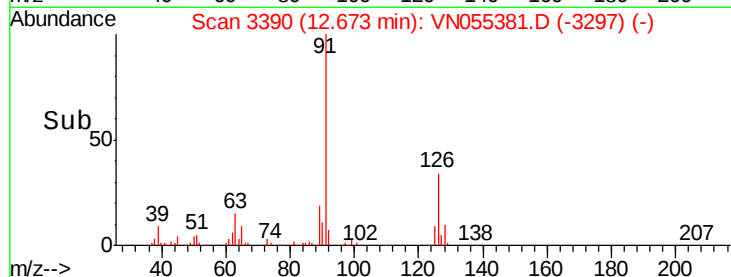
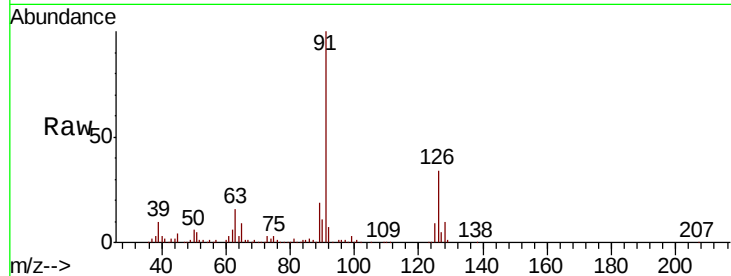
VN0503MBS01

Tot Ion: 91 Resp: 241391

Ion Ratio Lower Upper

91 100

126 34.3 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 19.270 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055381.D

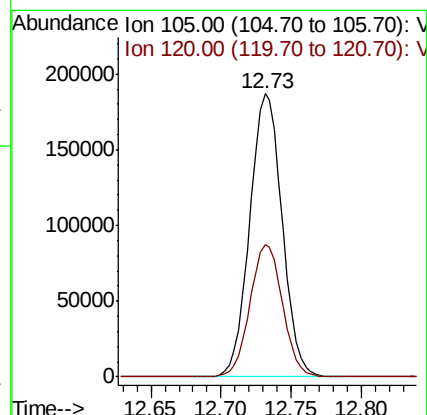
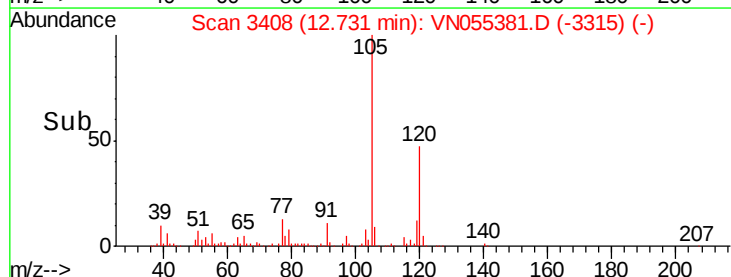
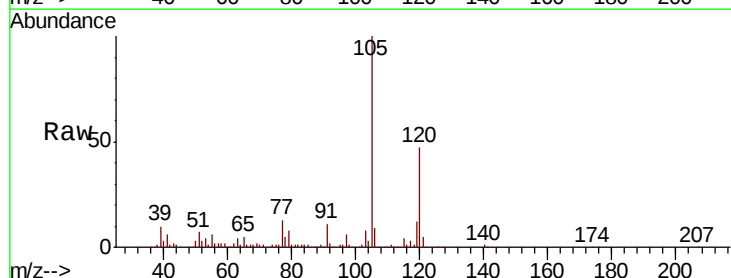
Acq: 3 May 2019 11:37

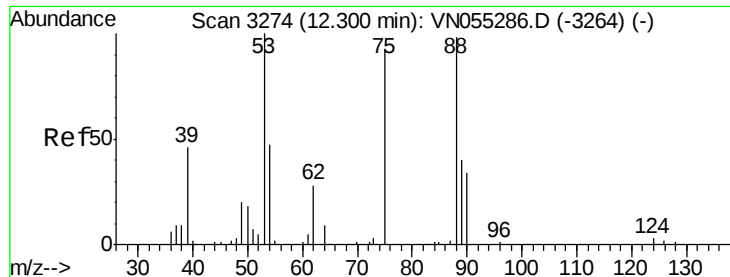
Tgt Ion: 105 Resp: 299858

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.994 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

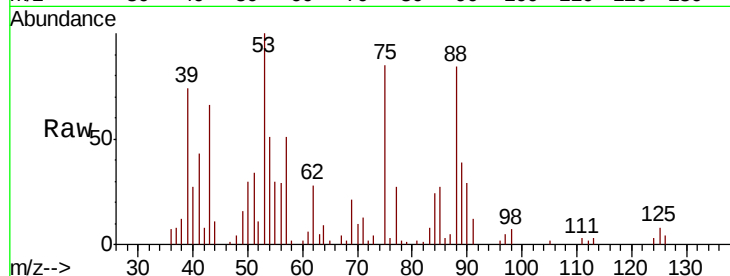
Tot Ion: 75 Resp: 18846

Ion Ratio Lower Upper

75 100

53 122.2 86.3 129.5

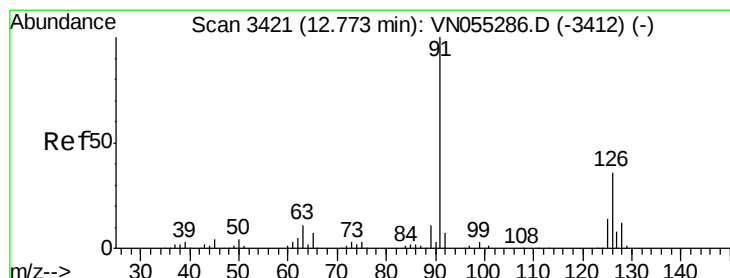
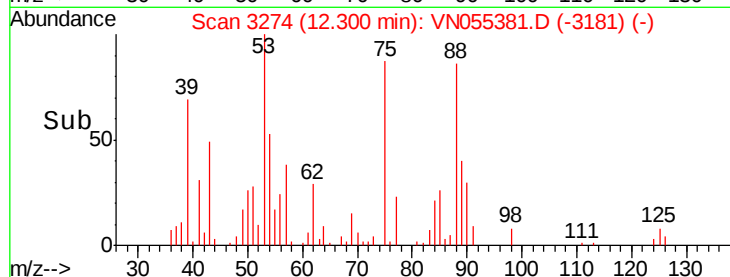
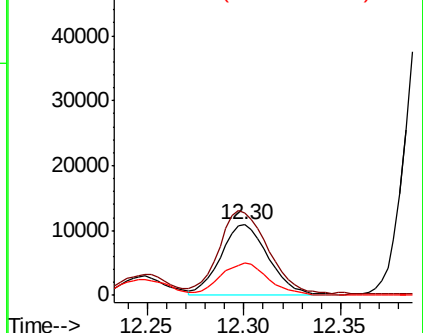
89 45.3 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055286.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055286.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.127 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055381.D

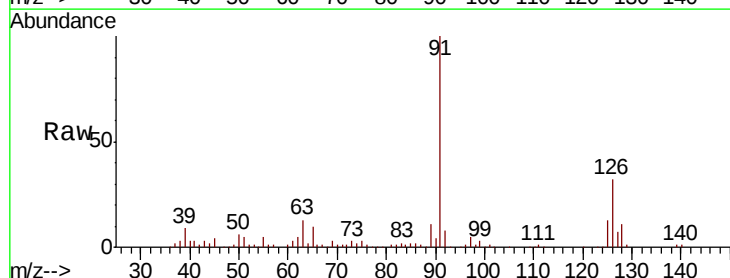
Acq: 3 May 2019 11:37

Tgt Ion: 91 Resp: 226749

Ion Ratio Lower Upper

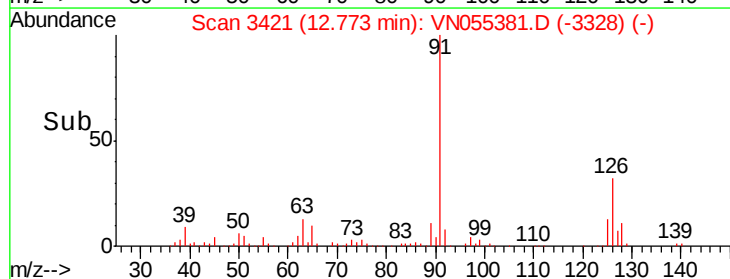
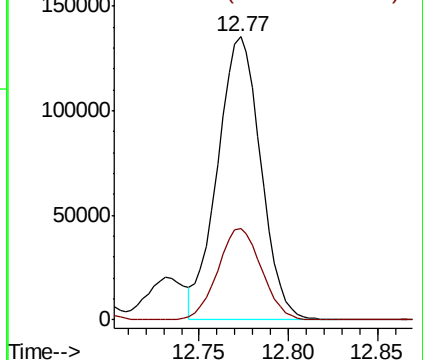
91 100

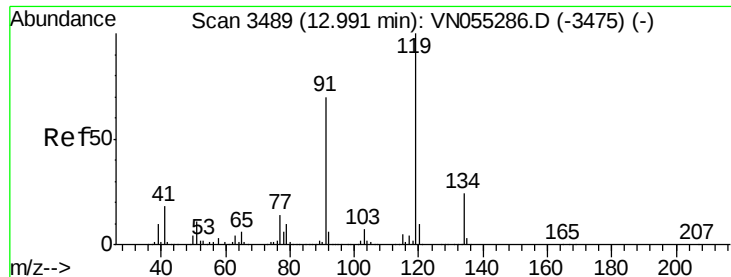
126 33.0 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3412) (-)

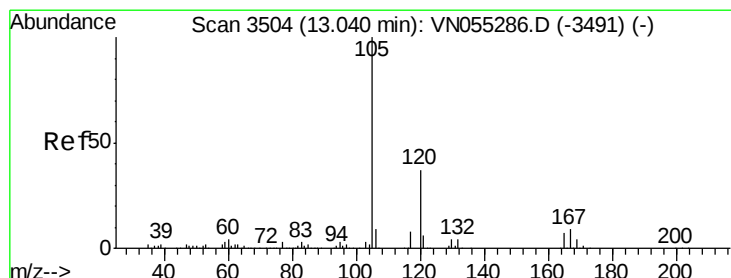
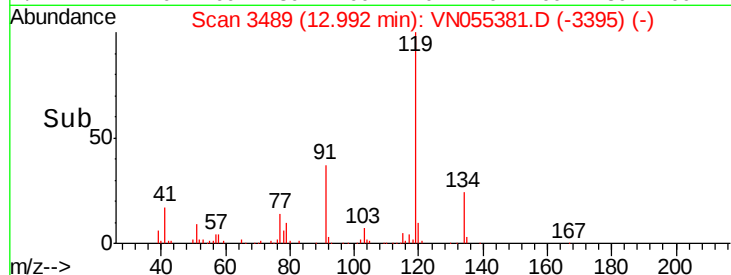
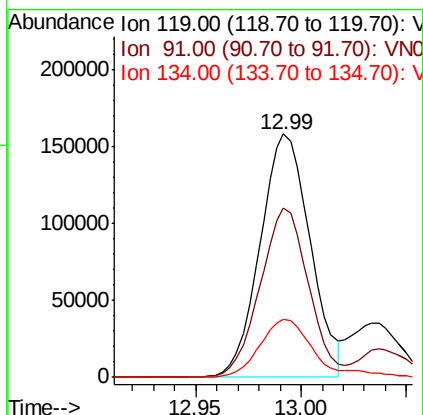
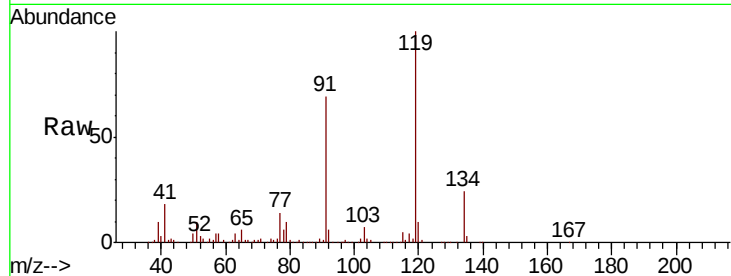




#83
tert-Butylbenzene
Concen: 22.140 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

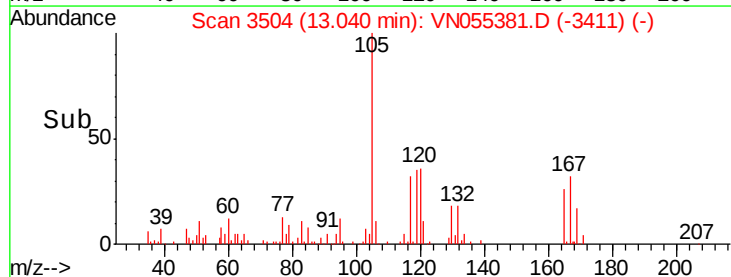
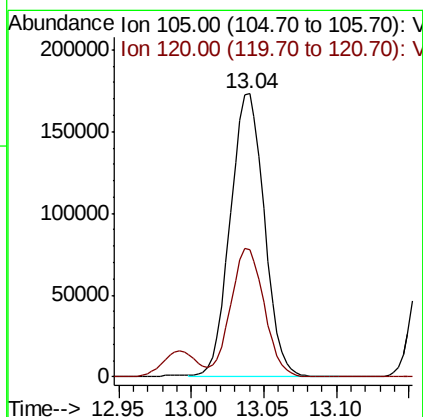
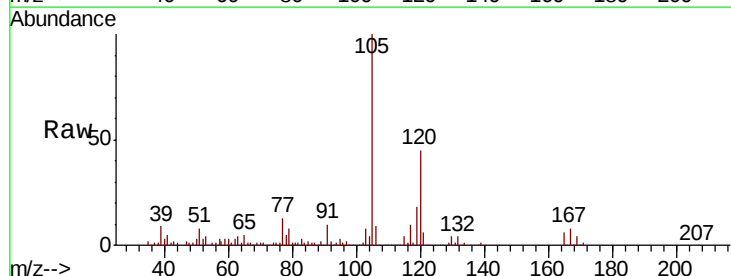
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

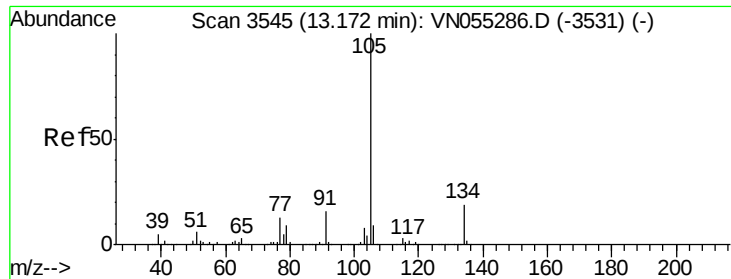
Tot Ion:119 Resp: 261711
Ion Ratio Lower Upper
119 100
91 67.3 34.3 102.9
134 25.7 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 20.293 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:105 Resp: 282407
Ion Ratio Lower Upper
105 100
120 44.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.671 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

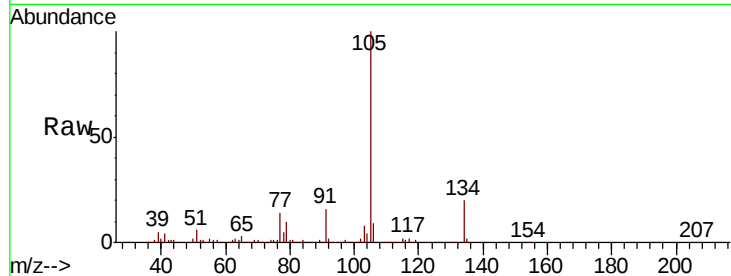
VN0503MBS01

Tot Ion:105 Resp: 332688

Ion Ratio Lower Upper

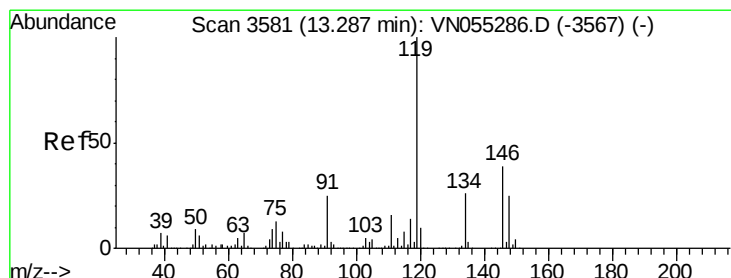
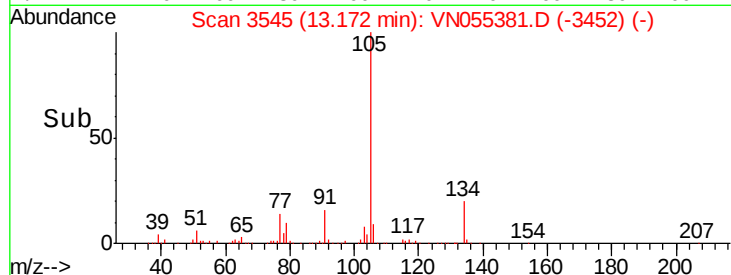
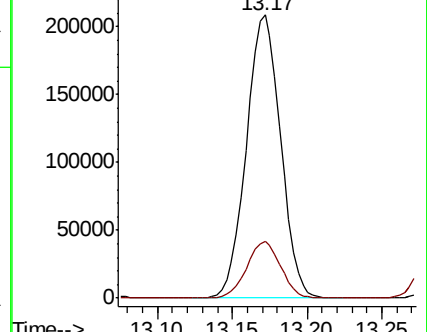
105 100

134 19.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.980 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

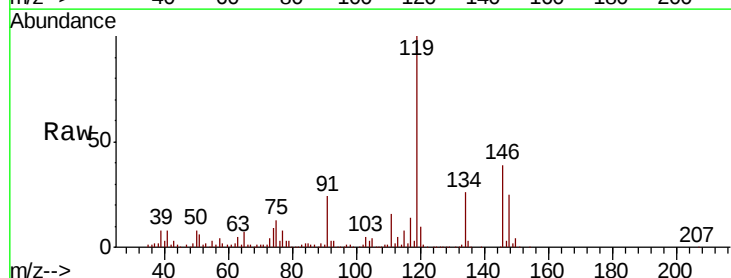
Tgt Ion:119 Resp: 277744

Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

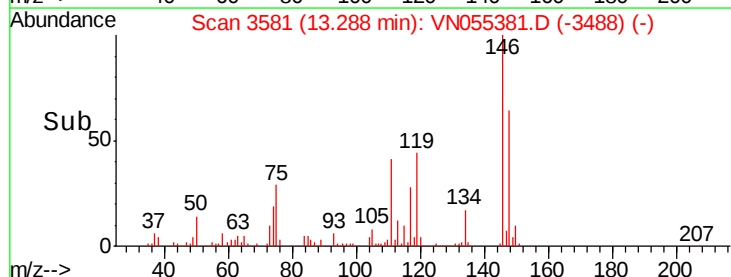
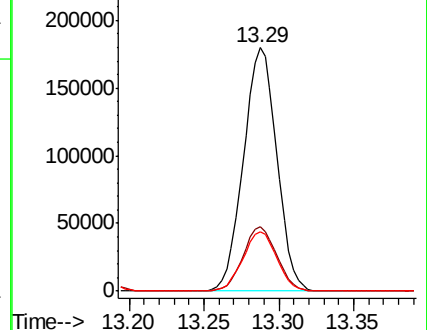
91 24.5 12.2 36.6

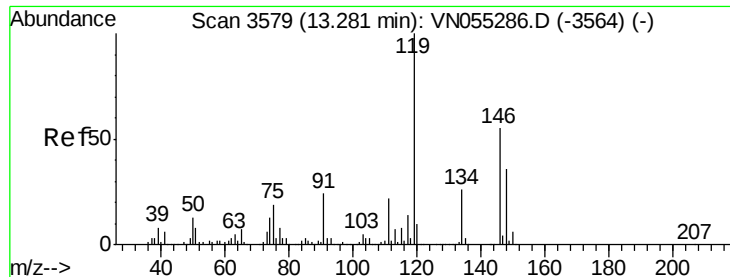


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.659 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0503MBS01

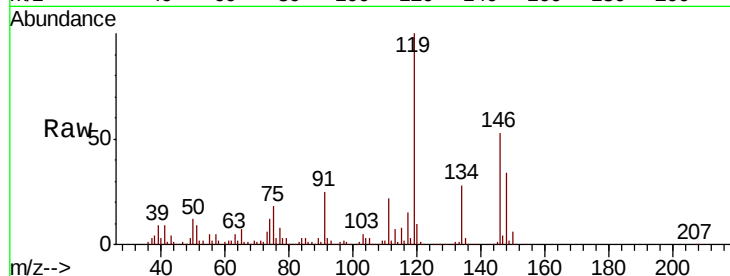
Tot Ion:146 Resp: 130574

Ion Ratio Lower Upper

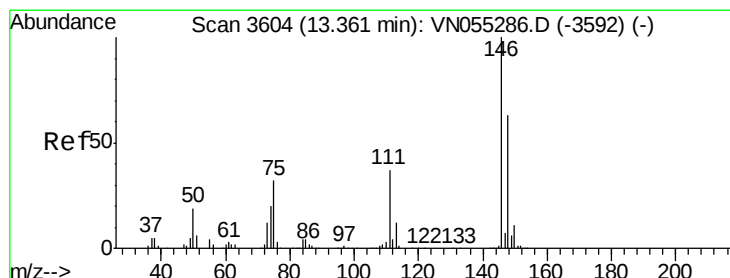
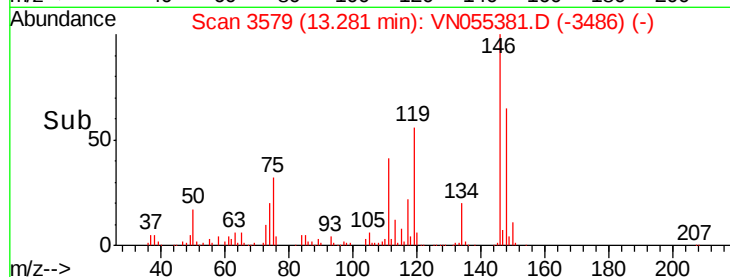
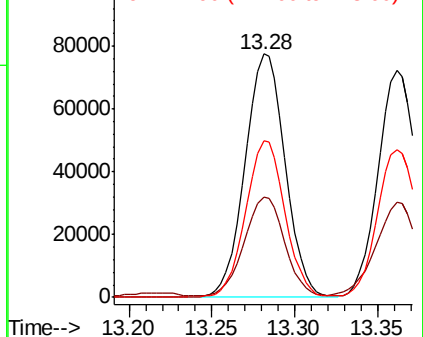
146 100

111 40.5 20.3 60.8

148 63.1 32.5 97.5



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: 19.282 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

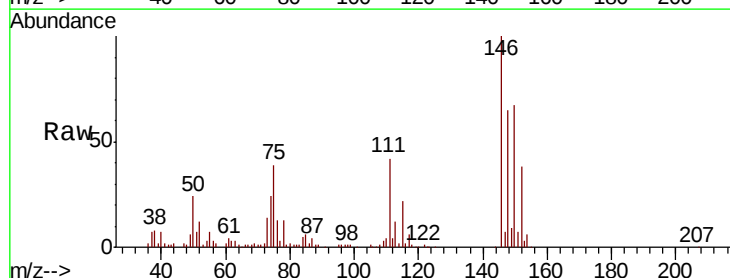
Tgt Ion:146 Resp: 120607

Ion Ratio Lower Upper

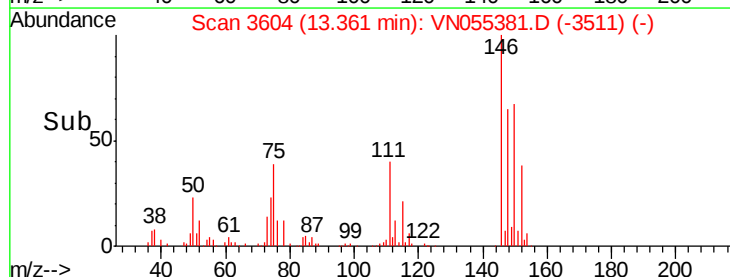
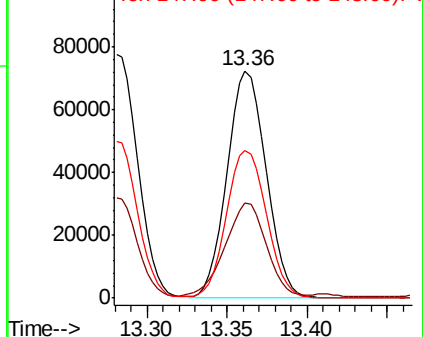
146 100

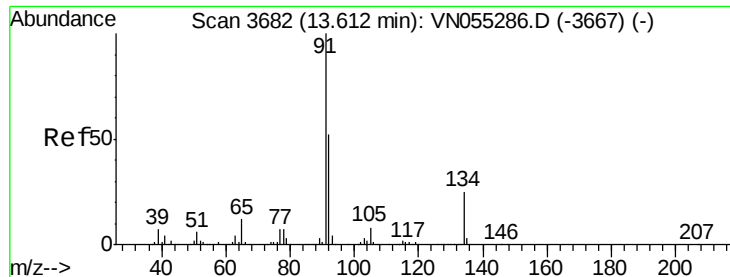
111 42.8 19.5 58.5

148 66.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.648 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

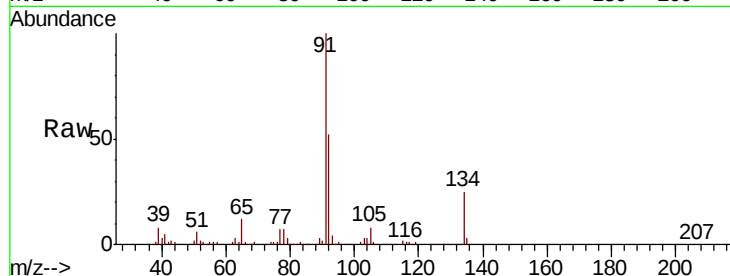
Tot Ion: 91 Resp: 203957

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.3

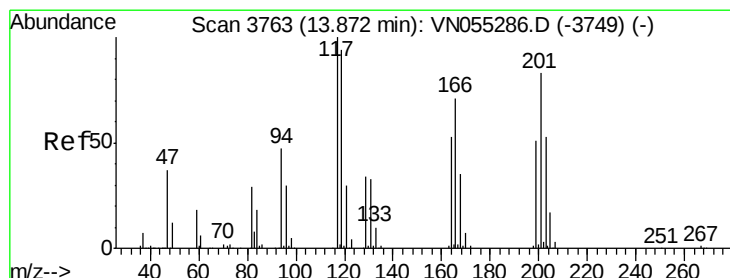
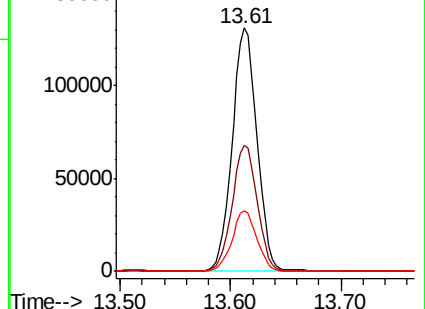
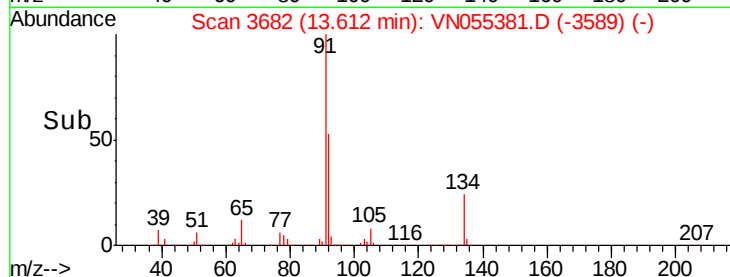
134 25.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055381.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN055381.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN055381.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.099 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055381.D

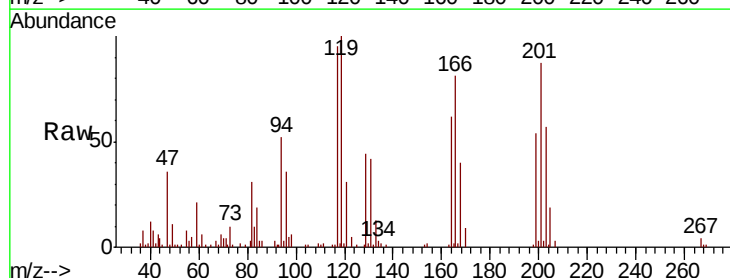
Acq: 3 May 2019 11:37

Tgt Ion: 117 Resp: 44180

Ion Ratio Lower Upper

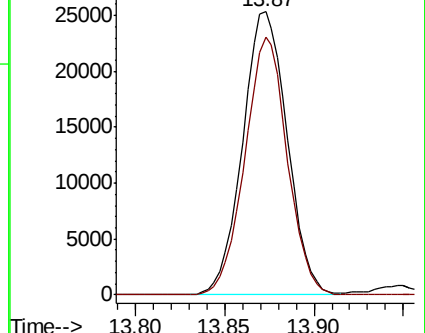
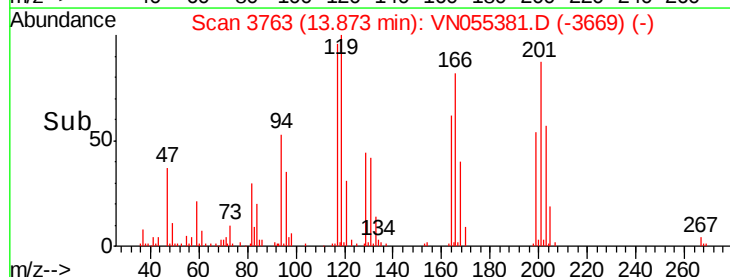
117 100

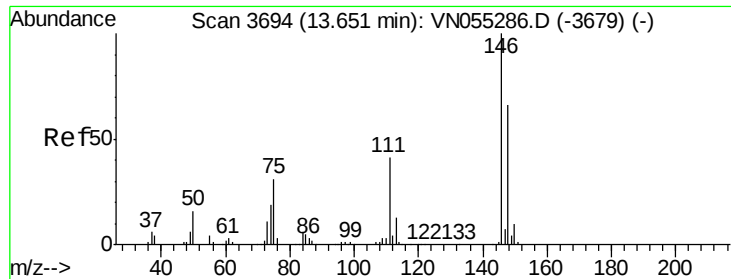
201 86.3 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055381.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN055381.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 19.570 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0503MBS01

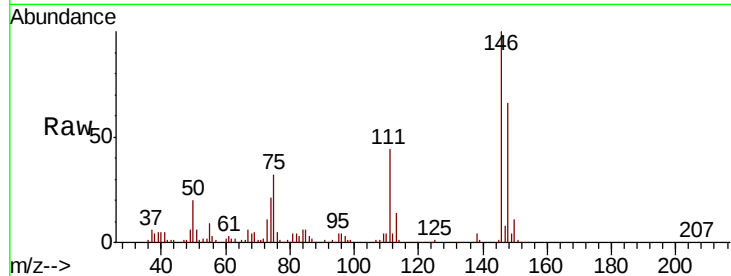
Tot Ion:146 Resp: 128824

Ion Ratio Lower Upper

146 100

111 43.3 20.3 61.0

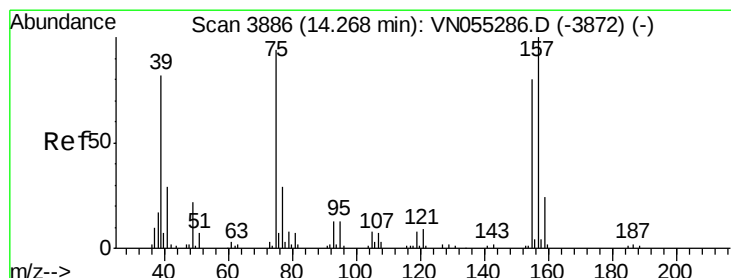
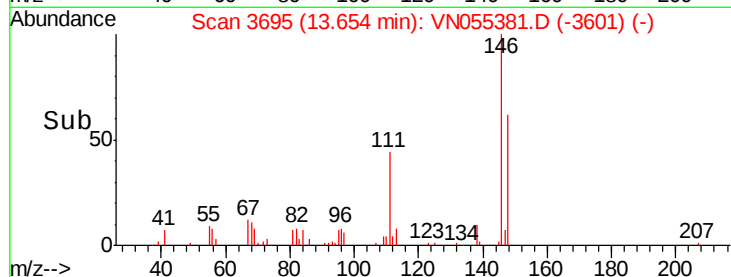
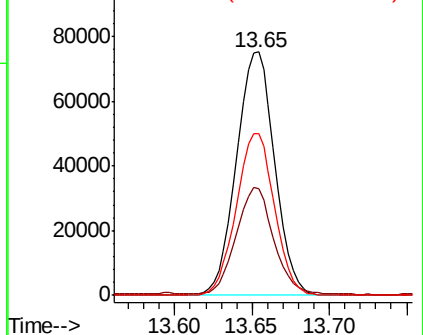
148 66.4 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.514 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

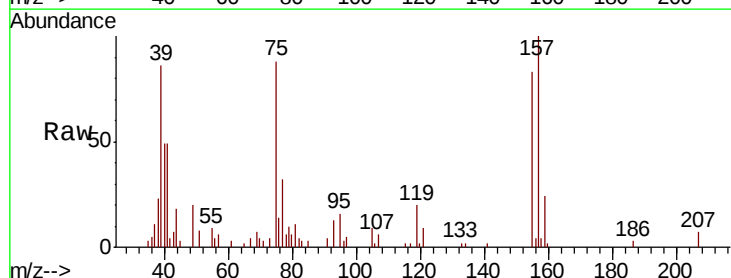
Tgt Ion: 75 Resp: 11234

Ion Ratio Lower Upper

75 100

155 81.1 41.5 124.6

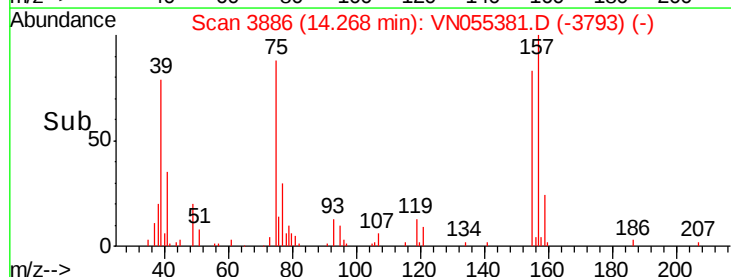
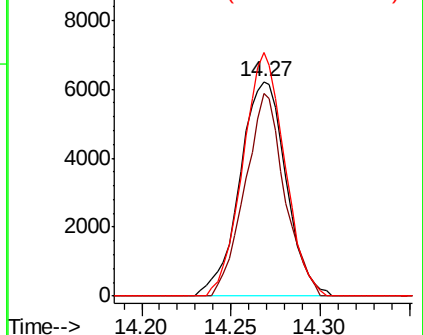
157 102.5 54.0 162.2

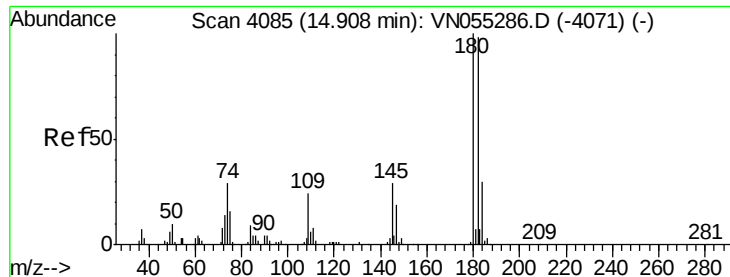


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

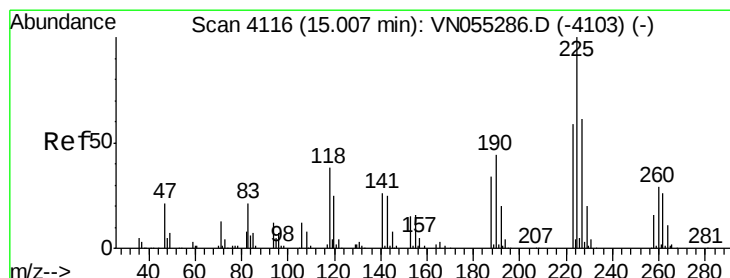
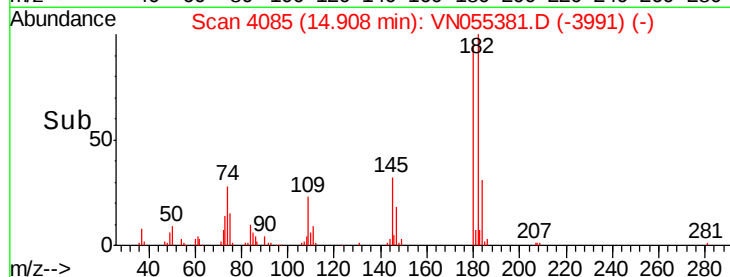
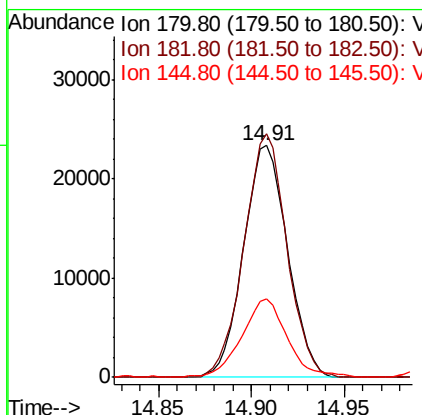
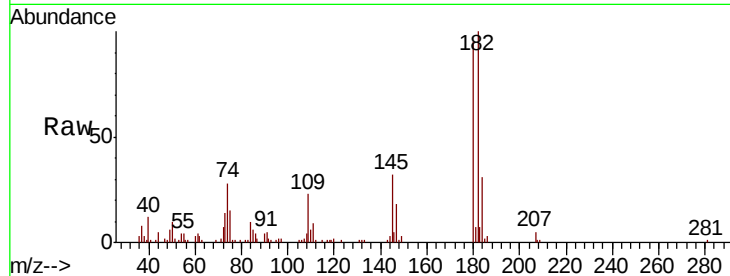




#93
 1,2,4-Trichlorobenzene
 Concen: 17.239 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

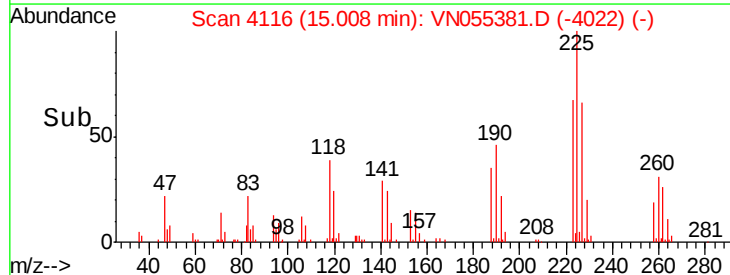
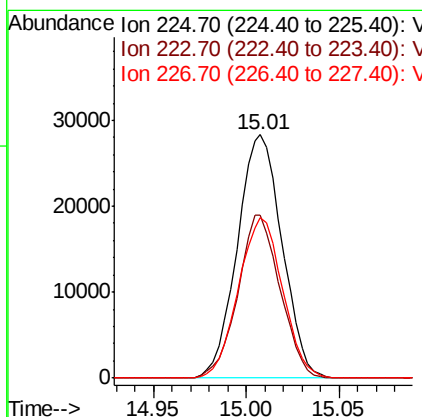
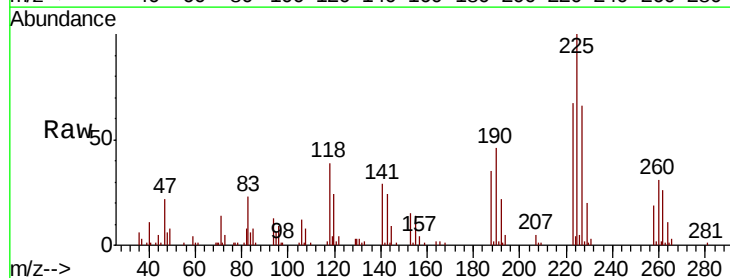
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

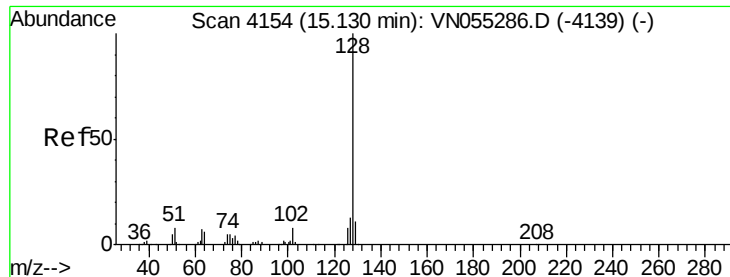
Tot Ion:180 Resp: 38710
 Ion Ratio Lower Upper
 180 100
 182 102.2 48.3 144.9
 145 35.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 22.372 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion:225 Resp: 47379
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.3 90.8
 227 65.1 30.9 92.7





#95

Naphthalene

Concen: 16.631 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

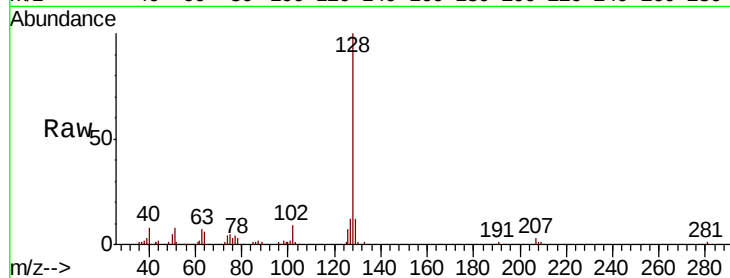
Tot Ion:128 Resp: 78624

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

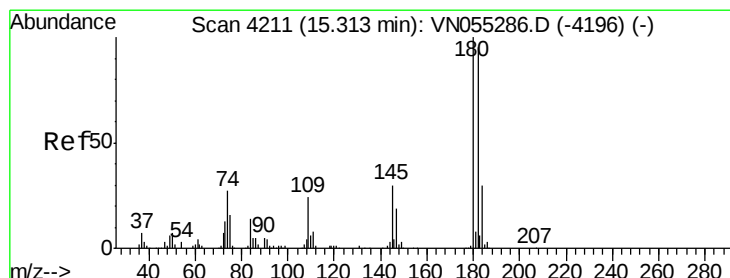
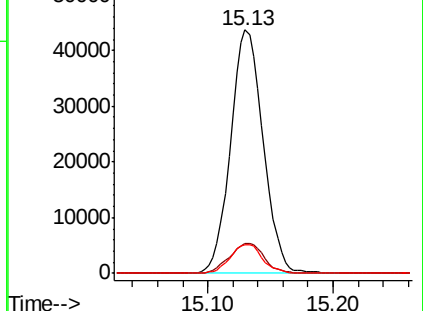
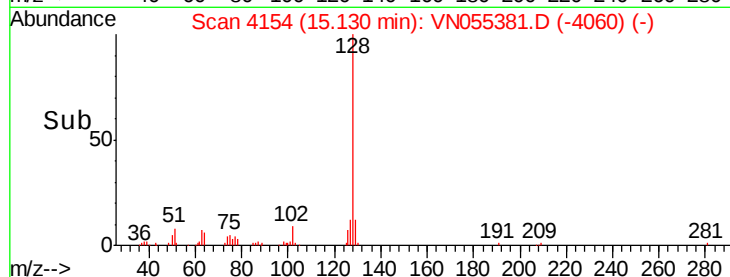
129 11.6 8.6 13.0



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: 18.725 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

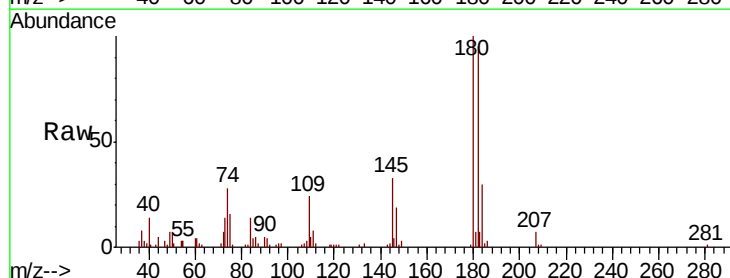
Tgt Ion:180 Resp: 43451

Ion Ratio Lower Upper

180 100

182 94.2 48.3 144.9

145 32.8 15.2 45.6



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

