

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056268.D
 Acq On : 12 Jun 2019 22:59
 Operator : JC/SP
 Sample : K3315-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Quant Time: Jun 13 04:37:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	305071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	411383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	375341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	143710	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.59	113	137130	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
50) Toluene-d8	10.09	98	493516	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	167490	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	139240	41.605	ug/l	100
3) Chloromethane	2.06	50	143982	43.539	ug/l	99
4) Vinyl Chloride	2.18	62	145233	43.782	ug/l	99
5) Bromomethane	2.53	94	90755	43.310	ug/l	100
6) Chloroethane	2.68	64	83283	43.302	ug/l	99
7) Trichlorofluoromethane	3.00	101	192131	45.370	ug/l	100
8) Diethyl Ether	3.40	74	75471	43.337	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	119433	46.428	ug/l	97
10) Methyl Iodide	3.94	142	182578	44.662	ug/l	99
11) Tert butyl alcohol	4.82	59	122358	232.122	ug/l	99
12) 1,1-Dichloroethene	3.72	96	118818	46.395	ug/l	94
13) Acrolein	3.60	56	32059	210.876	ug/l	99
14) Allyl chloride	4.31	41	180282	44.580	ug/l	98
15) Acrylonitrile	4.99	53	347300	270.656	ug/l	100
16) Acetone	3.82	43	282526	195.017	ug/l	98
17) Carbon Disulfide	4.04	76	260382	42.463	ug/l	100
18) Methyl Acetate	4.33	43	135733	47.670	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	383161	46.937	ug/l	99
20) Methylene Chloride	4.54	84	141205	47.309	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	126391	46.060	ug/l	95
22) Diisopropyl ether	5.96	45	386637	46.251	ug/l	97
23) Vinyl Acetate	5.90	43	1309983	198.990	ug/l	99
24) 1,1-Dichloroethane	5.84	63	227327	47.143	ug/l	99
25) 2-Butanone	6.84	43	461113	251.917	ug/l	100
26) 2,2-Dichloropropane	6.82	77	117977	31.354	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	172635	53.521	ug/l	93
28) Bromochloromethane	7.19	49	111472	48.883	ug/l	91
29) Tetrahydrofuran	7.22	42	299469	264.676	ug/l	99
30) Chloroform	7.37	83	239725	49.419	ug/l	99
31) Cyclohexane	7.65	56	196442	40.870	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	198015	48.883	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165272	46.722	ug/l	98
37) Ethyl Acetate	6.94	43	151067	47.998	ug/l	99
38) Carbon Tetrachloride	7.77	117	176748	54.197	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199567	45.289	ug/l	97
40) Benzene	8.04	78	536487	49.935	ug/l	100
41) Methacrylonitrile	7.18	41	87155	60.186	ug/l	99
42) 1,2-Dichloroethane	8.12	62	171791	49.710	ug/l	99
43) Isopropyl Acetate	8.17	43	241026	47.258	ug/l #	92
44) Trichloroethene	8.83	130	282751	91.589	ug/l	95
45) 1,2-Dichloropropane	9.12	63	139982	50.867	ug/l	99
46) Dibromomethane	9.21	93	95602	53.126	ug/l	93
47) Bromodichloromethane	9.40	83	181017	55.501	ug/l	98
48) Methyl methacrylate	9.20	41	134195	53.782	ug/l	96
49) 1,4-Dioxane	9.21	88	61302	1138.014	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	883512	277.014	ug/l	99
52) Toluene	10.16	92	335531	50.189	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	167634	44.134	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	195033	49.749	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	142408	53.776	ug/l	100
56) Ethyl methacrylate	10.43	69	204876	53.030	ug/l	98
57) 1,3-Dichloropropane	10.71	76	225644	52.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	305	15.062	ug/l #	46
59) 2-Hexanone	10.75	43	621301	268.774	ug/l	99
60) Dibromochloromethane	10.90	129	160159	54.599	ug/l	100
61) 1,2-Dibromoethane	11.00	107	148085	54.700	ug/l	98
64) Tetrachloroethene	10.63	164	156813	48.265	ug/l	97
65) Chlorobenzene	11.43	112	377533	50.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146434	56.772	ug/l	99
67) Ethyl Benzene	11.51	91	636659	49.014	ug/l	98
68) m/p-Xylenes	11.62	106	494664	99.690	ug/l	97
69) o-Xylene	11.95	106	243426	49.873	ug/l	97
70) Styrene	11.96	104	404962	52.219	ug/l	99
71) Bromoform	12.13	173	125653	57.585	ug/l #	99
73) Isopropylbenzene	12.25	105	636991	50.964	ug/l	99
74) N-amyl acetate	12.07	43	180950	38.677	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	201232	49.391	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	221317	68.531	ug/l #	100
77) Bromobenzene	12.53	156	184130	49.002	ug/l	91
78) n-propylbenzene	12.59	91	671574	45.230	ug/l	98
79) 2-Chlorotoluene	12.67	91	413318	50.196	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	526177	44.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	42541	43.868	ug/l	90
82) 4-Chlorotoluene	12.77	91	398937	45.925	ug/l	97
83) tert-Butylbenzene	12.99	119	469910	51.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	518731	46.355	ug/l	99
85) sec-Butylbenzene	13.17	105	596490	45.363	ug/l	98
86) p-Isopropyltoluene	13.29	119	542567	46.105	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	288418	49.593	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272201	48.656	ug/l	99
89) n-Butylbenzene	13.61	91	377343	43.285	ug/l	99
90) Hexachloroethane	13.87	117	93194	52.512	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	290027	49.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31488	54.034	ug/l	84

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QLast Update : Tue Jun 04 11:02:09 2019
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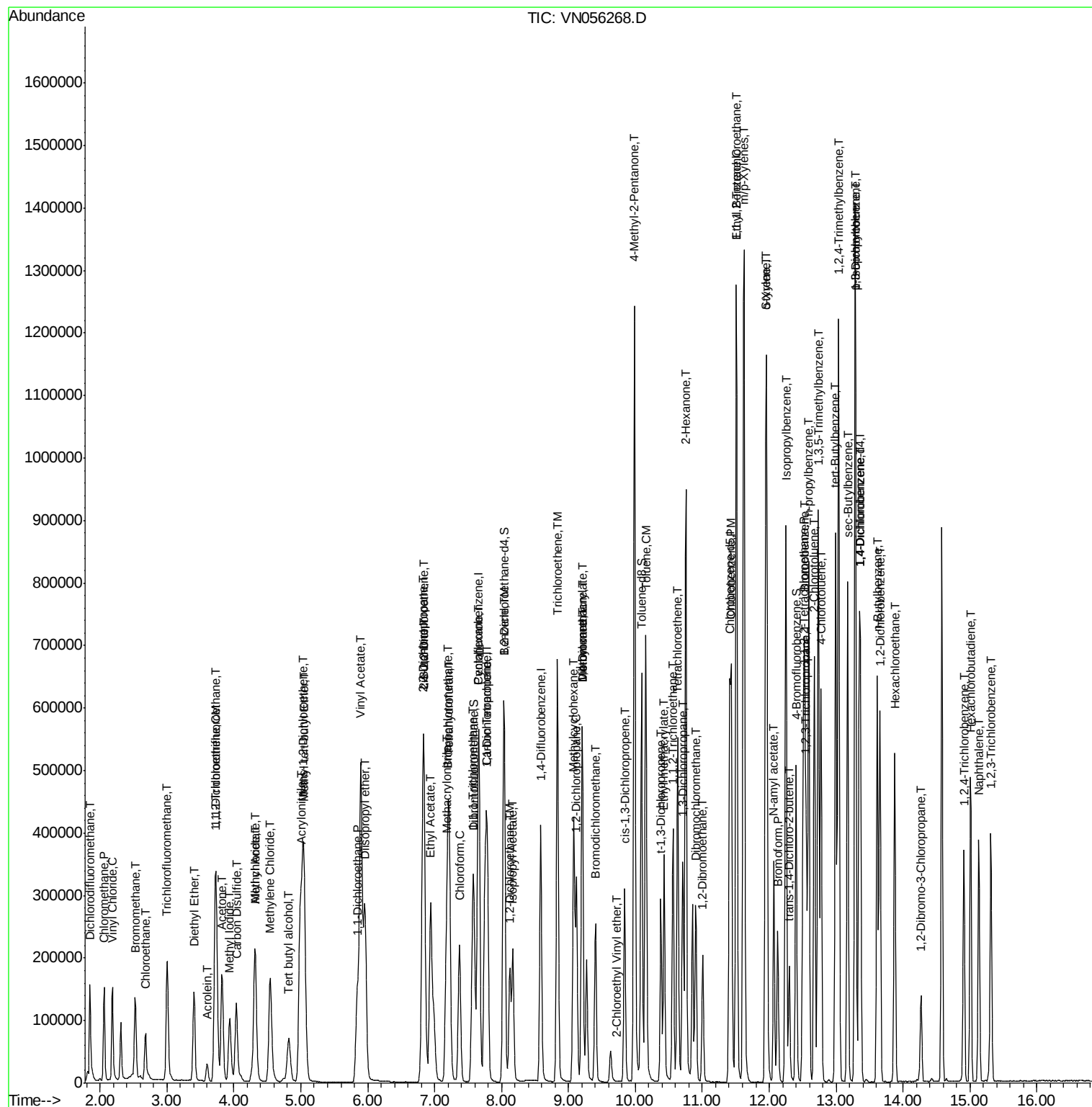
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139231	43.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	116038	57.952	ug/l	99
95) Naphthalene	15.13	128	354558	42.834	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159221	48.390	ug/l	99

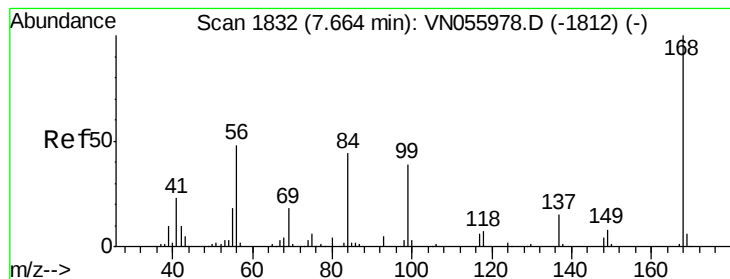
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

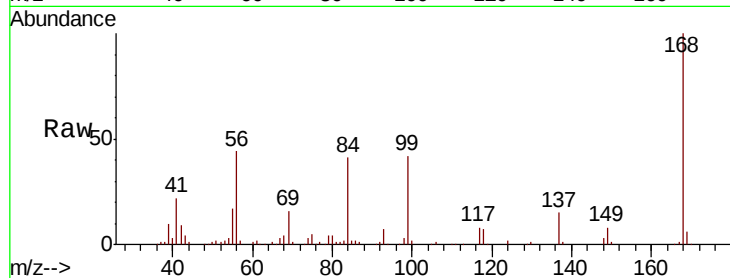
RE104D2-20190607MSD

Tot Ion:168 Resp: 305071

Ion Ratio Lower Upper

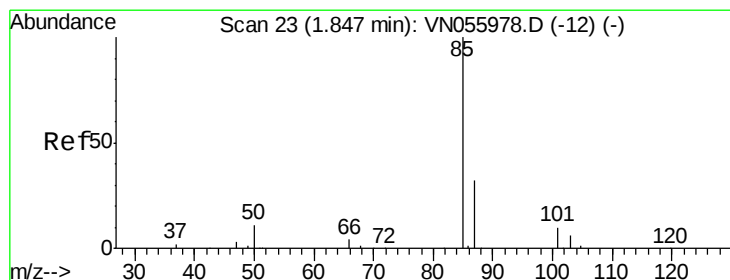
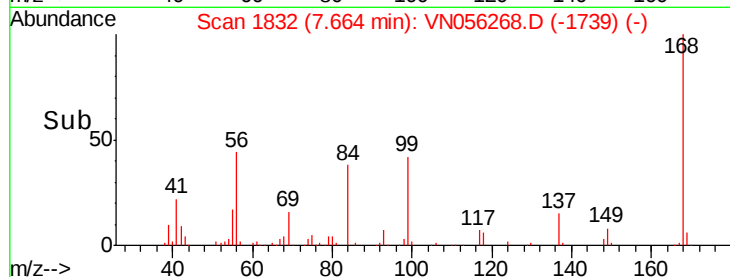
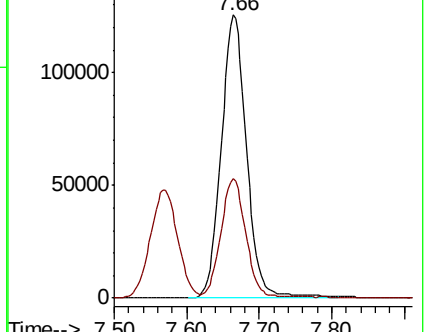
168 100

99 41.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056268.D

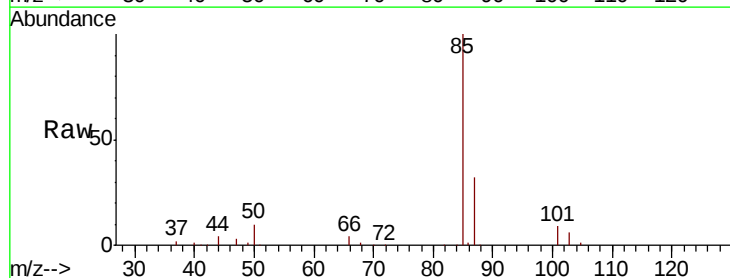
Acq: 12 Jun 2019 22:59

Tgt Ion: 85 Resp: 139240

Ion Ratio Lower Upper

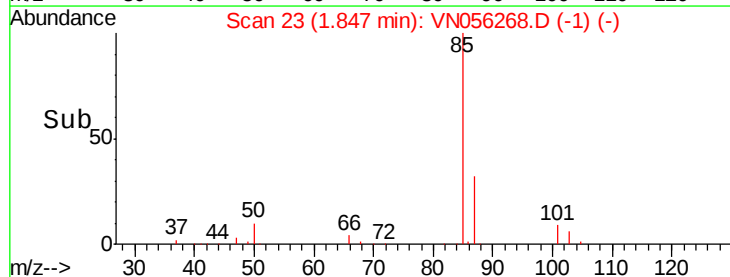
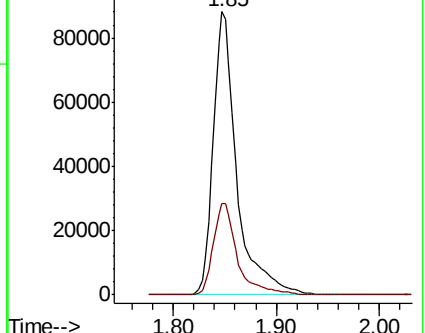
85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.539 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

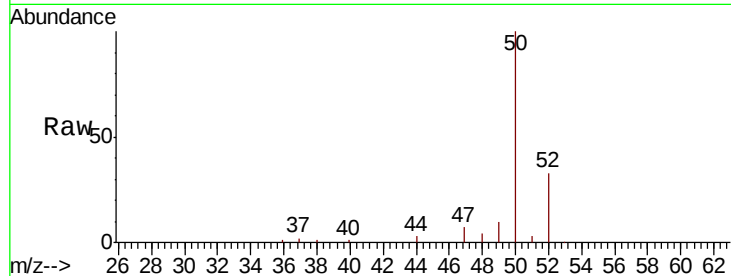
RE104D2-20190607MSD

Tot Ion: 50 Resp: 143982

Ion Ratio Lower Upper

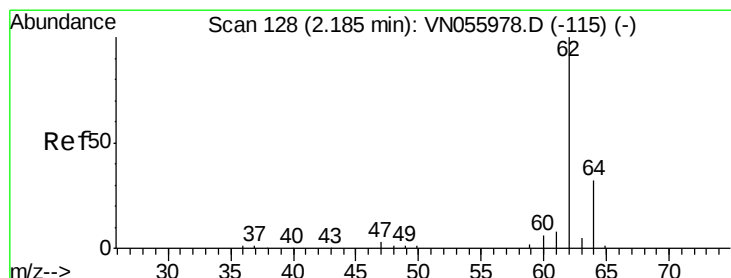
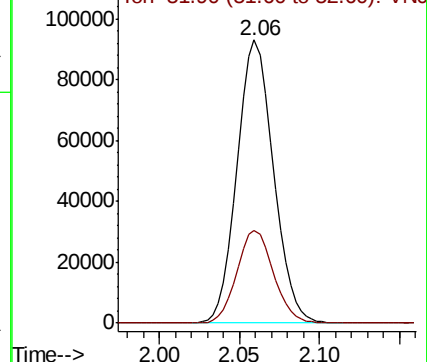
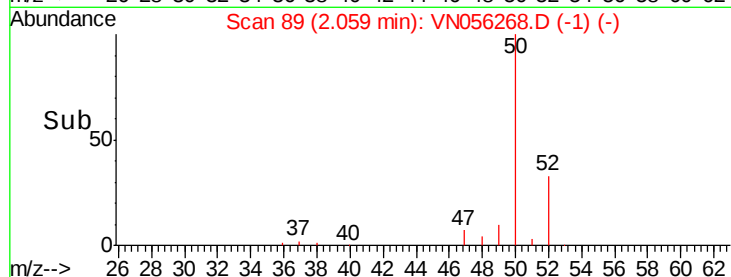
50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.782 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056268.D

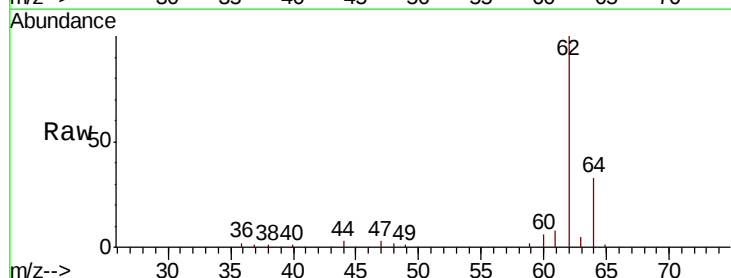
Acq: 12 Jun 2019 22:59

Tgt Ion: 62 Resp: 145233

Ion Ratio Lower Upper

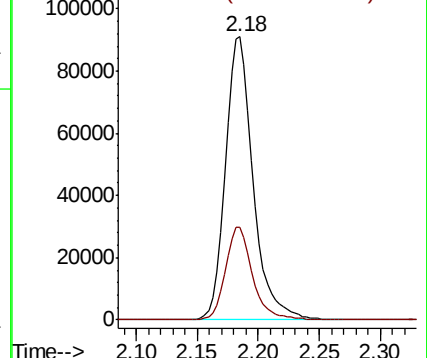
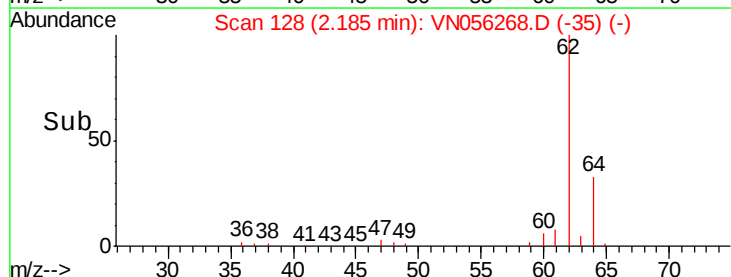
62 100

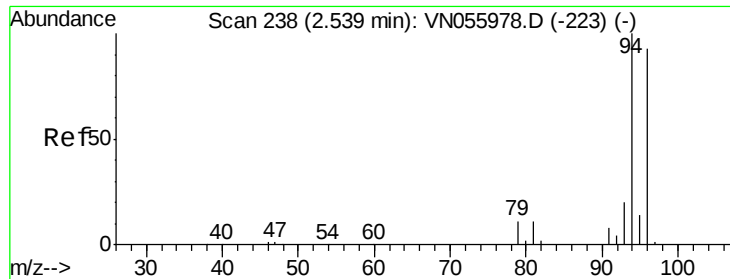
64 32.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

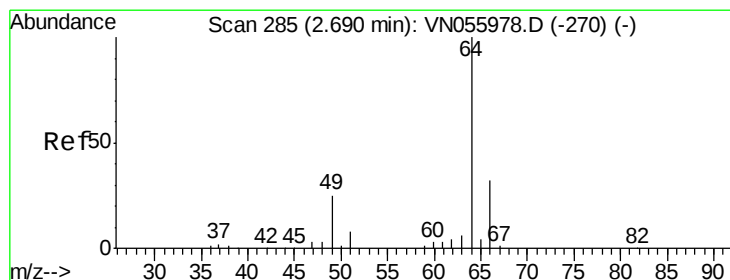
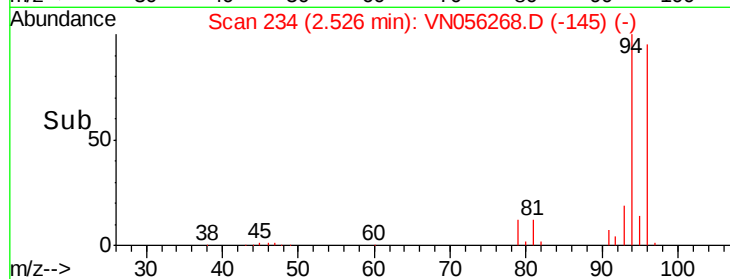
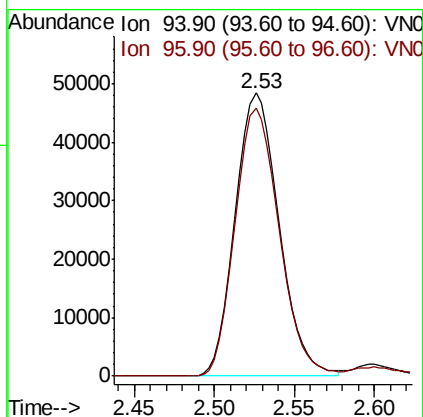
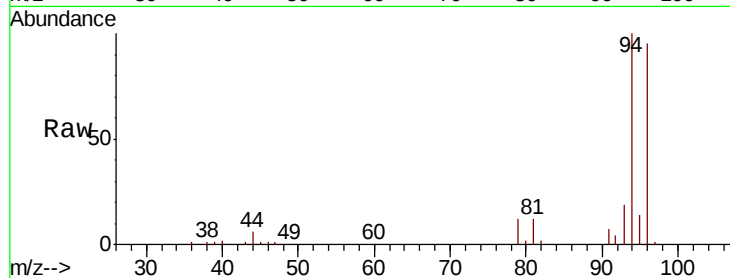




#5
Bromomethane
Concen: 43.310 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

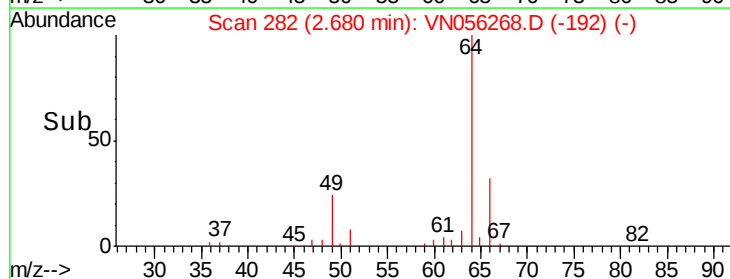
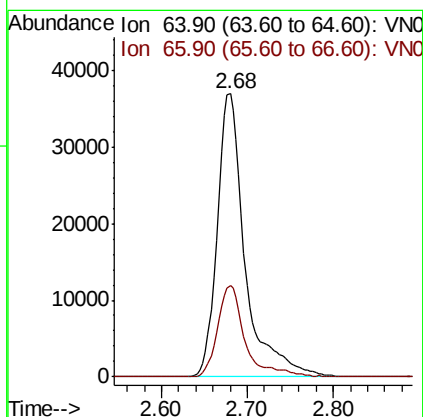
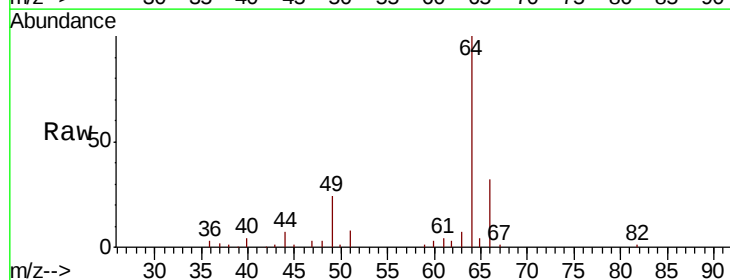
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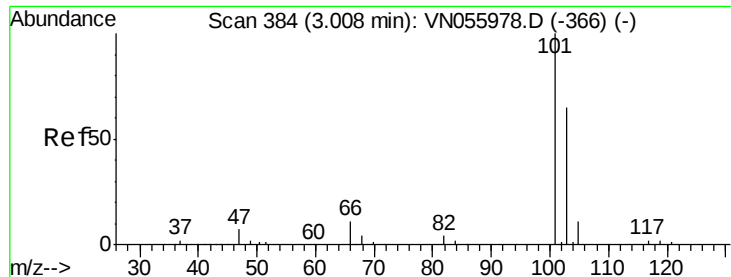
Tot Ion: 94 Resp: 90755
Ion Ratio Lower Upper
94 100
96 94.5 75.5 113.3



#6
Chloroethane
Concen: 43.302 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 64 Resp: 83283
Ion Ratio Lower Upper
64 100
66 32.2 25.4 38.0



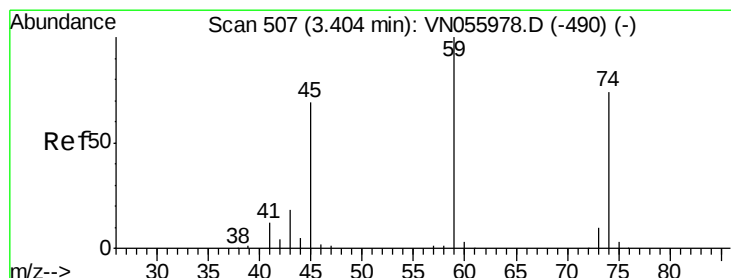
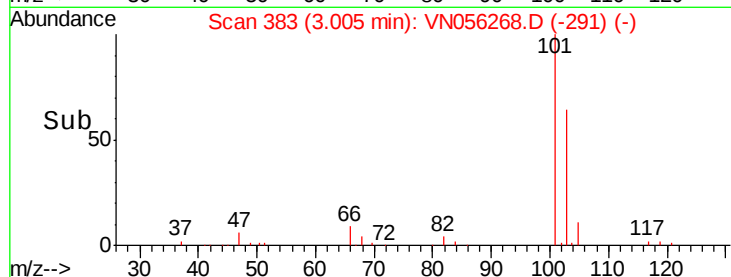
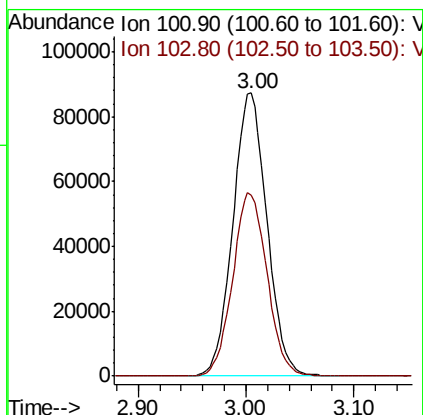
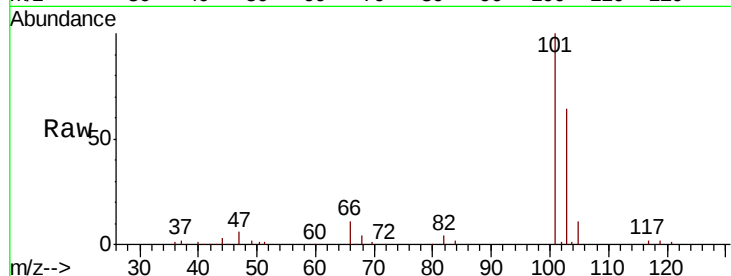


#7

Trichlorofluoromethane
Concen: 45.370 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
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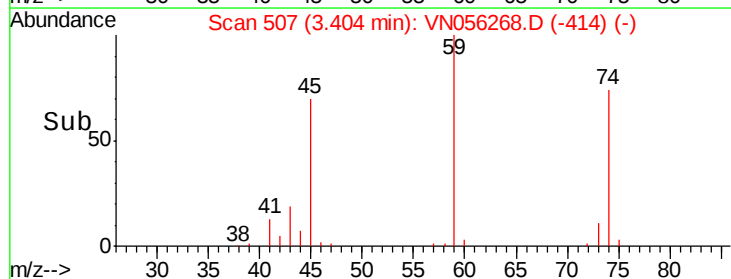
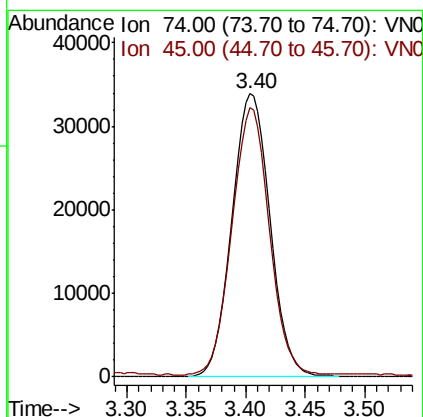
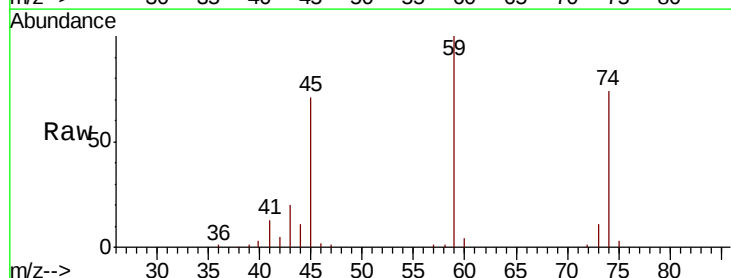
Tot Ion:101 Resp: 192131
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8

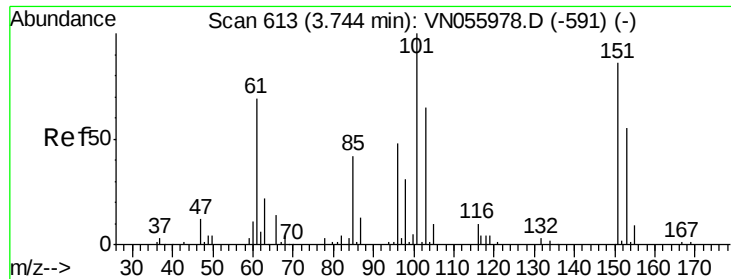


#8

Diethyl Ether
Concen: 43.337 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 74 Resp: 75471
Ion Ratio Lower Upper
74 100
45 92.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.428 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

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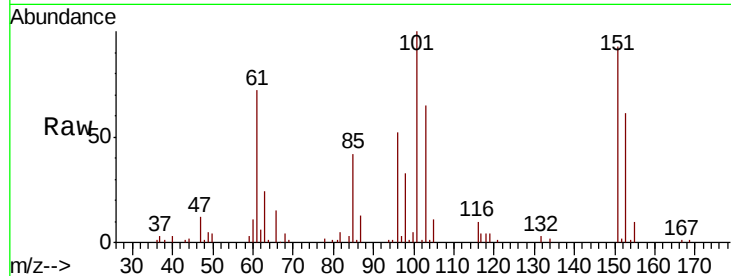
Tot Ion:101 Resp: 119433

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.2

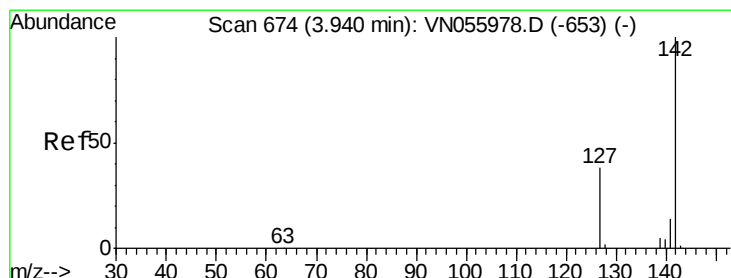
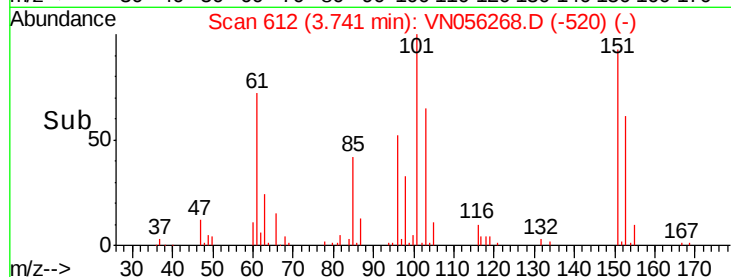
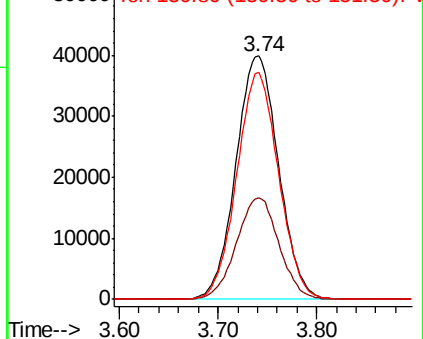
151 91.4 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.662 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

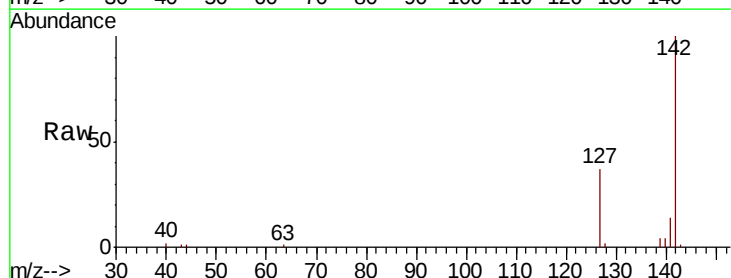
Tgt Ion:142 Resp: 182578

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

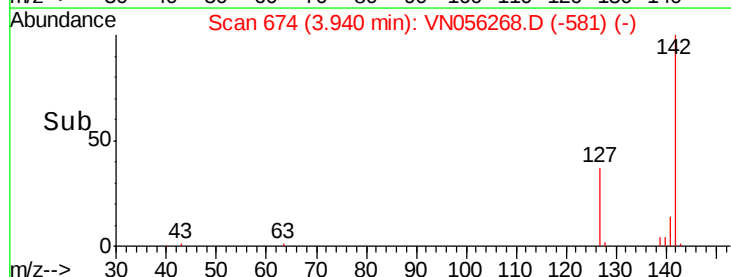
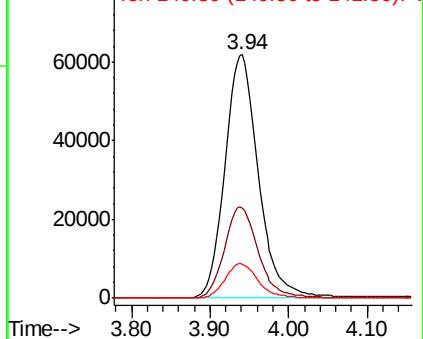
141 13.9 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 232.122 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.02 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

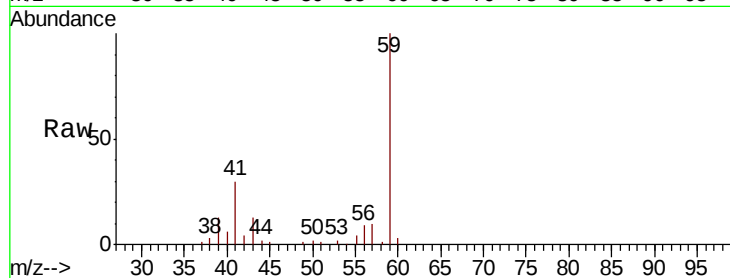
RE104D2-20190607MSD

Tot Ion: 59 Resp: 122358

Ion Ratio Lower Upper

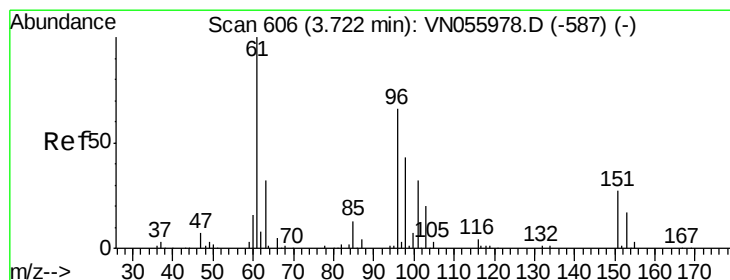
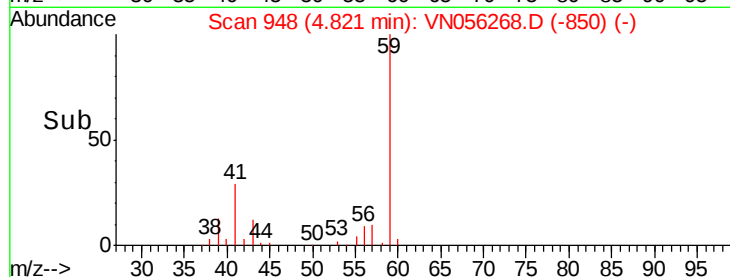
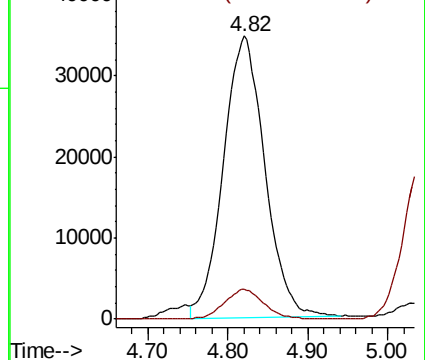
59 100

57 10.1 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 46.395 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

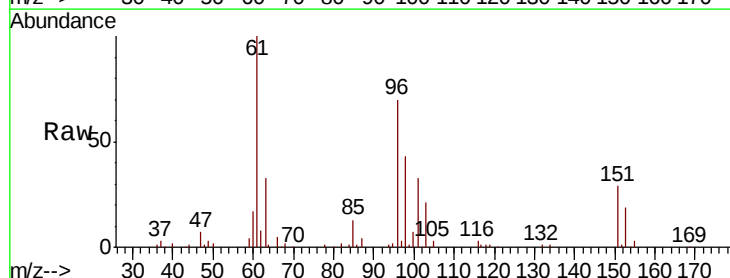
Tgt Ion: 96 Resp: 118818

Ion Ratio Lower Upper

96 100

61 143.8 123.2 184.8

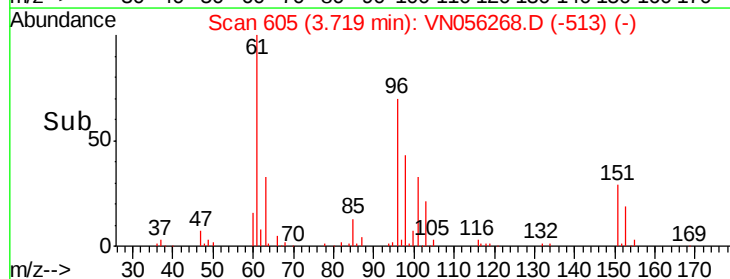
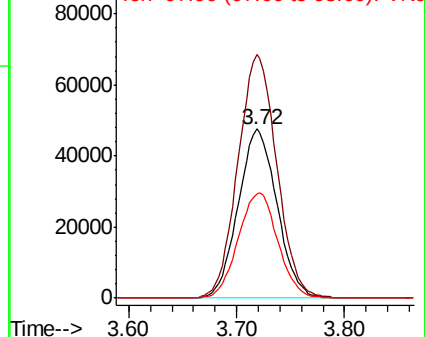
98 61.7 50.4 75.6

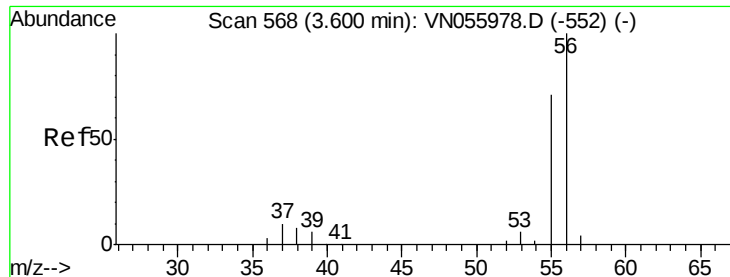


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 210.876 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

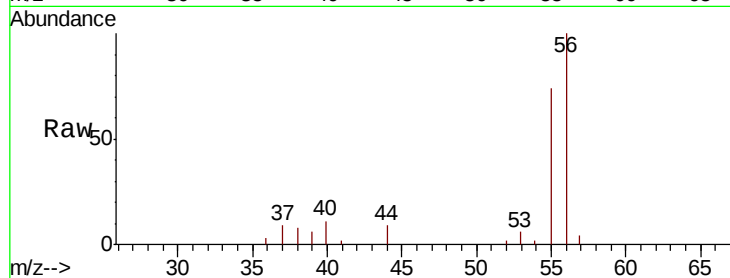
RE104D2-20190607MSD

Tot Ion: 56 Resp: 32059

Ion Ratio Lower Upper

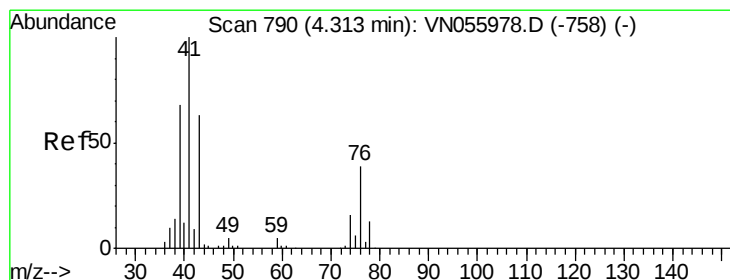
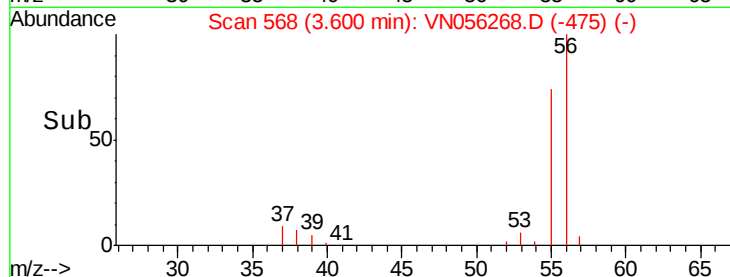
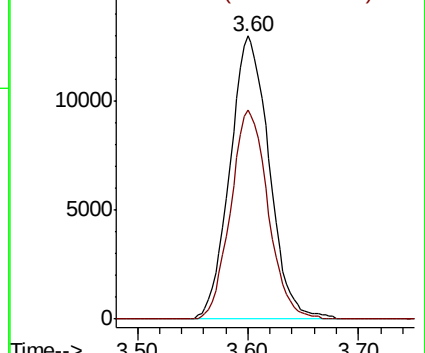
56 100

55 70.3 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.580 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

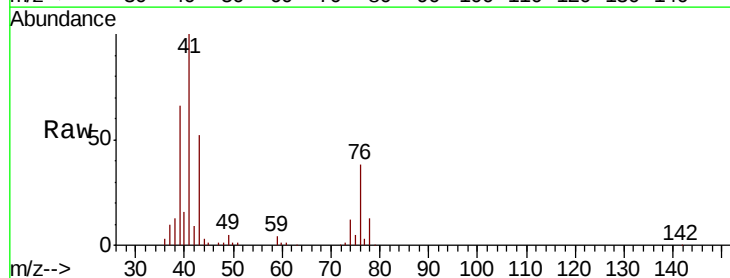
Tgt Ion: 41 Resp: 180282

Ion Ratio Lower Upper

41 100

39 61.1 50.0 75.0

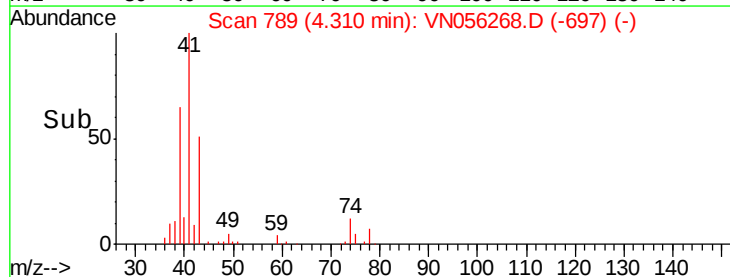
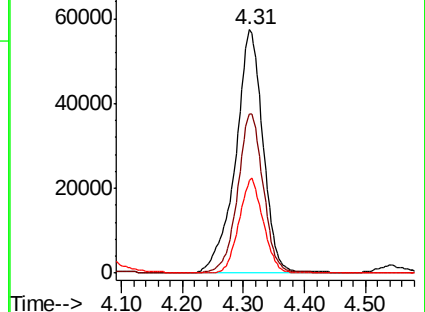
76 34.2 28.2 42.2



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: 270.656 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

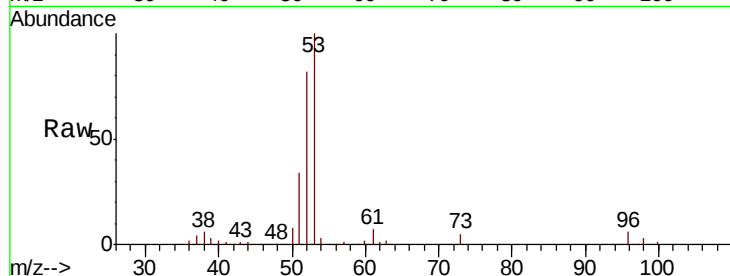
Tot Ion: 53 Resp: 347300

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.8

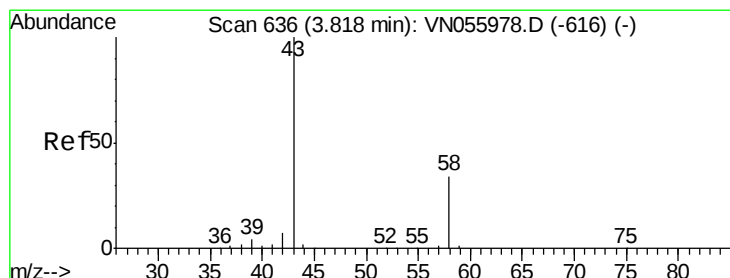
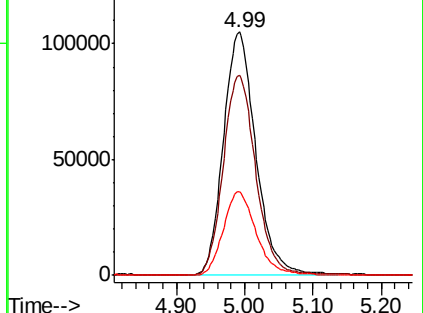
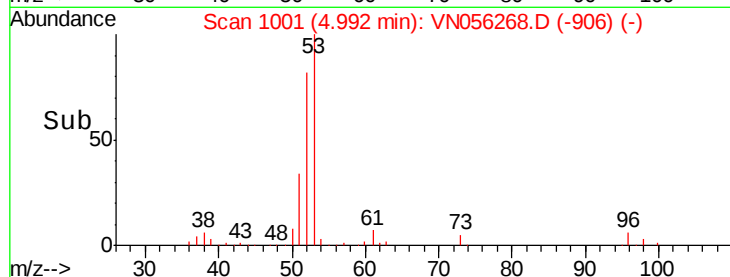
51 34.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 195.017 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056268.D

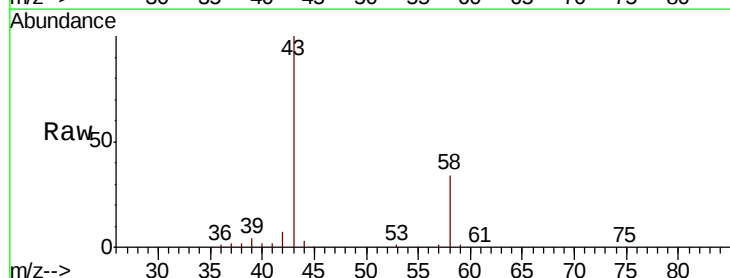
Acq: 12 Jun 2019 22:59

Tgt Ion: 43 Resp: 282526

Ion Ratio Lower Upper

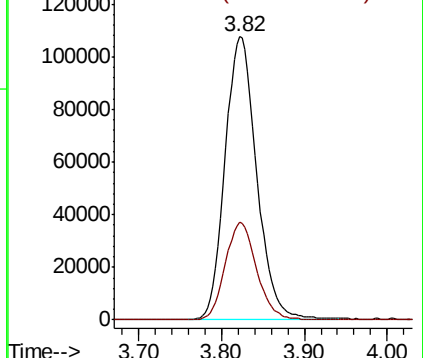
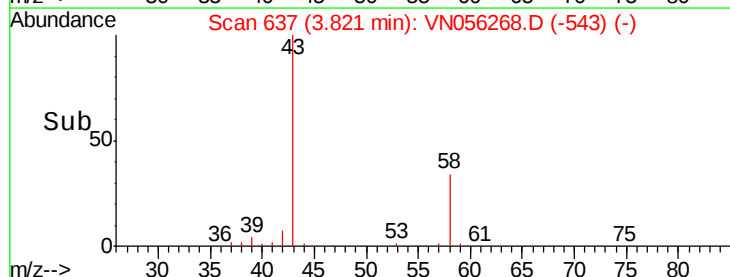
43 100

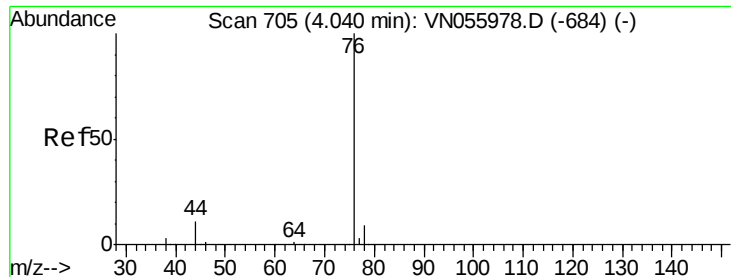
58 34.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

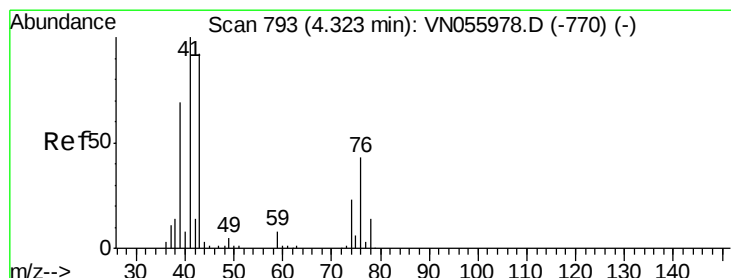
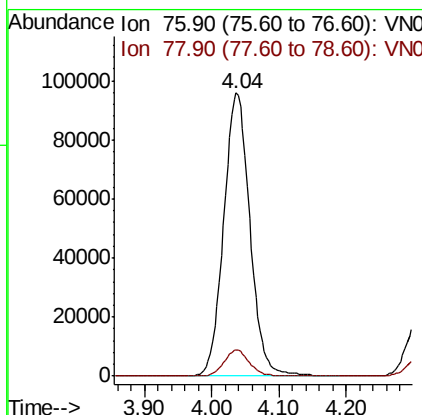
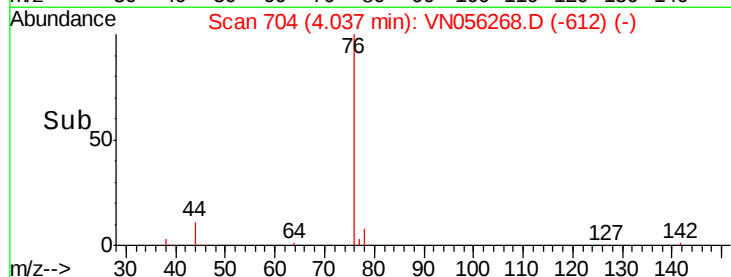
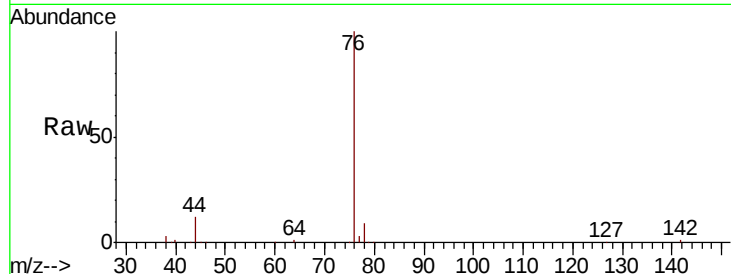




#17
Carbon Disulfide
Concen: 42.463 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

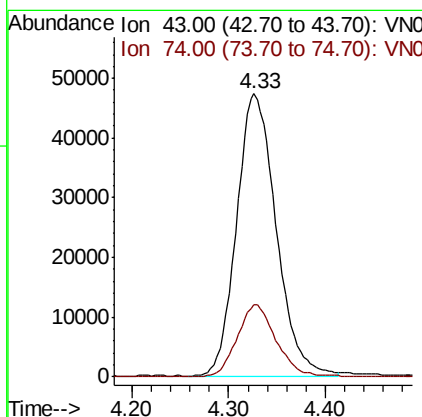
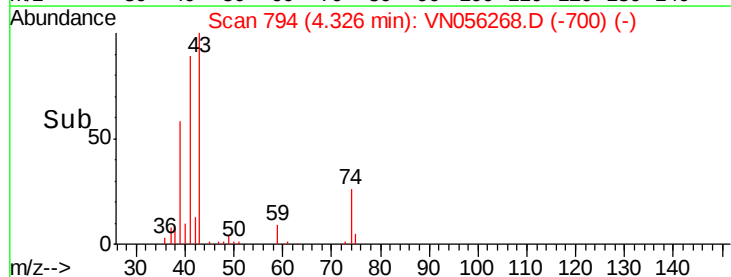
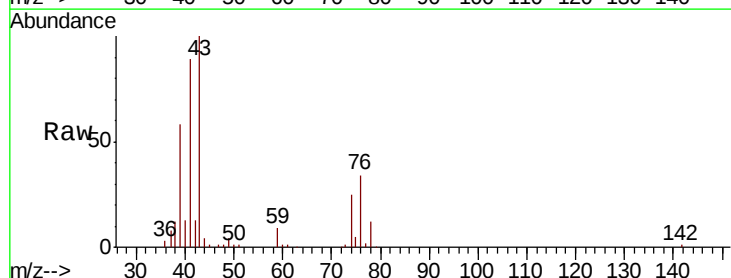
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

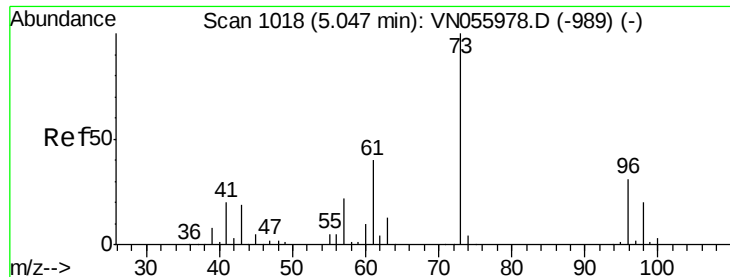
Tot Ion: 76 Resp: 260382
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 47.670 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 43 Resp: 135733
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



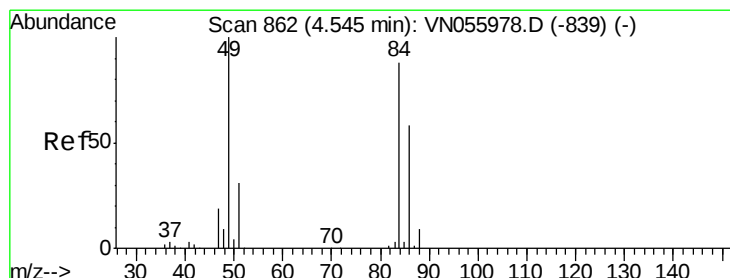
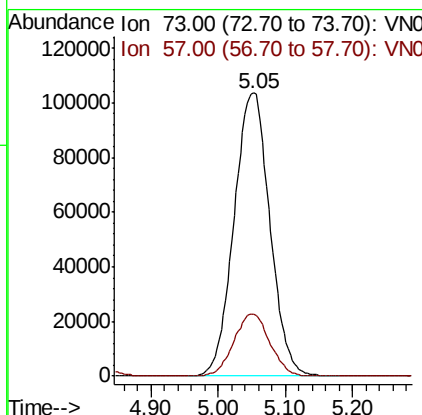
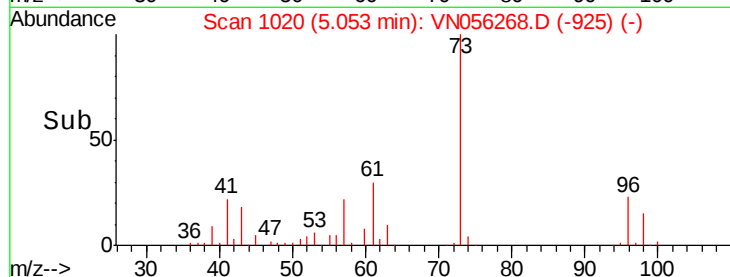
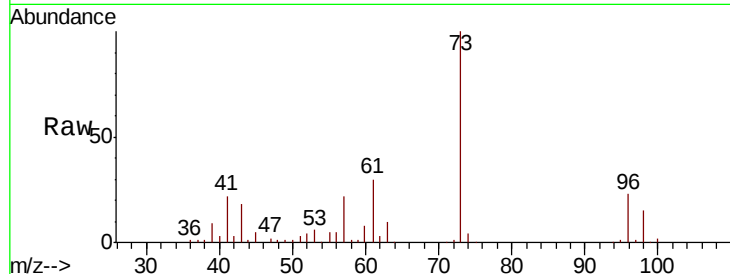


#19

Methyl tert-butyl Ether
 Concen: 46.937 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

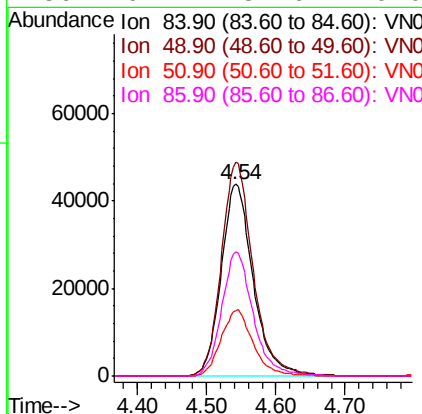
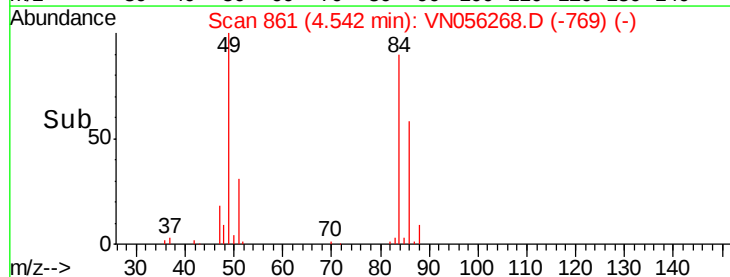
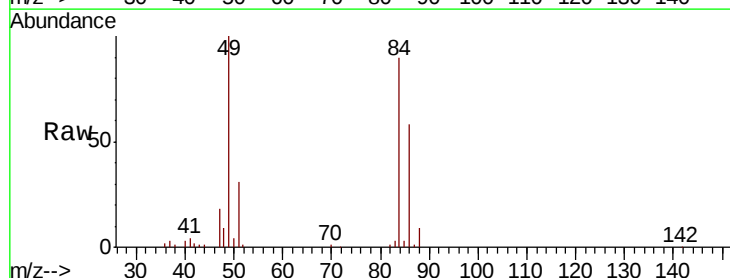
Tot Ion: 73 Resp: 383161
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.8 26.8

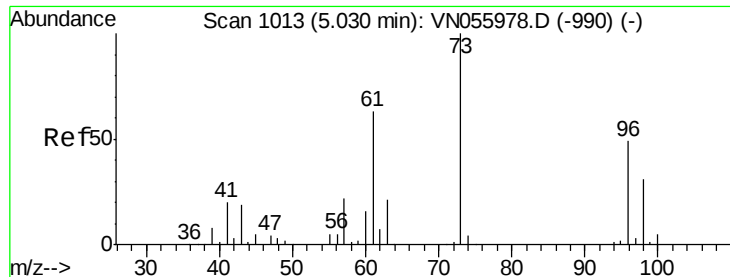


#20

Methylene Chloride
 Concen: 47.309 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion: 84 Resp: 141205
 Ion Ratio Lower Upper
 84 100
 49 111.3 93.5 140.3
 51 34.3 28.6 43.0
 86 64.7 52.6 79.0

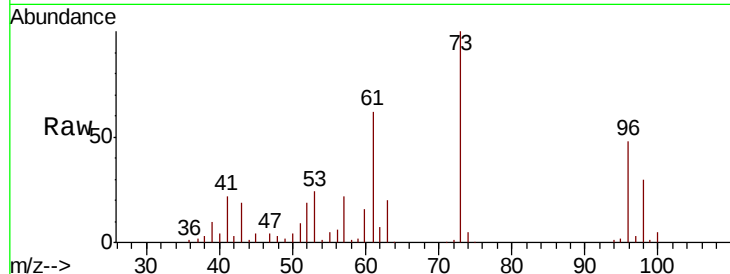




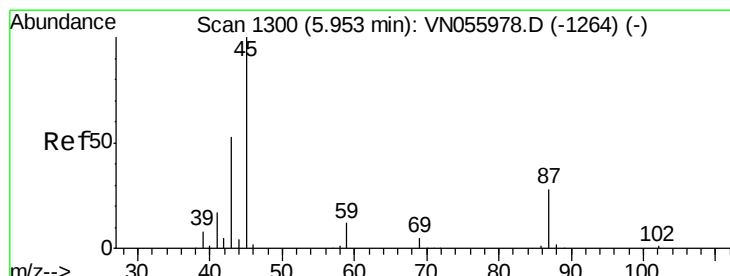
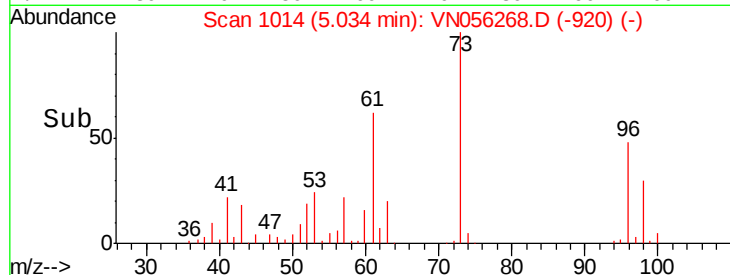
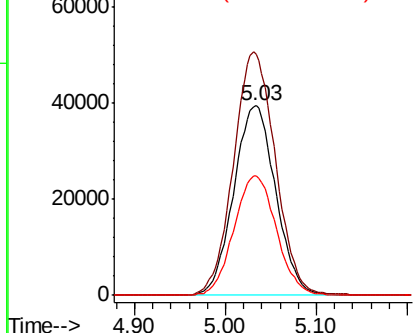
#21
trans-1,2-Dichloroethene
Concen: 46.060 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 96 Resp: 126391
Ion Ratio Lower Upper
96 100
61 127.3 107.8 161.8
98 62.9 49.8 74.8



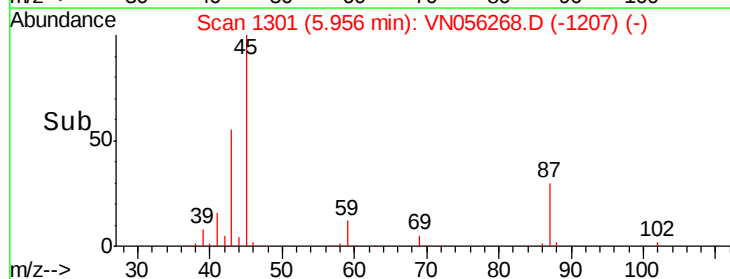
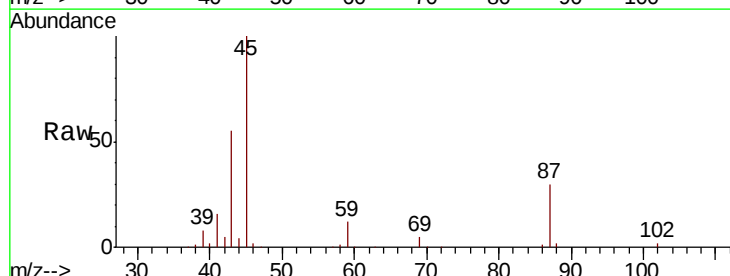
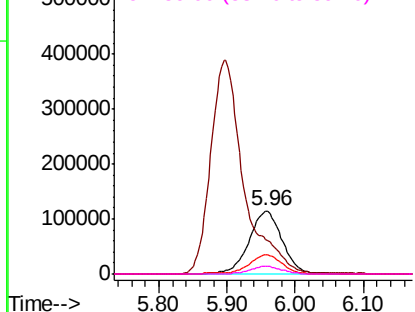
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

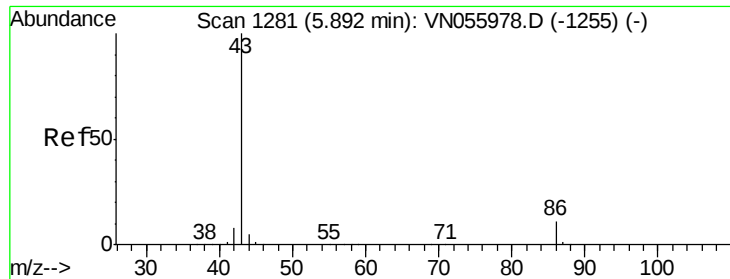


#22
Diisopropyl ether
Concen: 46.251 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 45 Resp: 386637
Ion Ratio Lower Upper
45 100
43 53.9 45.0 67.6
87 30.0 22.2 33.4
59 12.0 9.1 13.7

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: 198.990 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

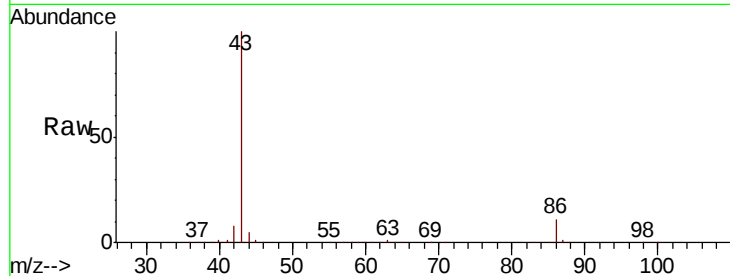
RE104D2-20190607MSD

Tot Ion: 43 Resp: 1309983

Ion Ratio Lower Upper

43 100

86 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

400000

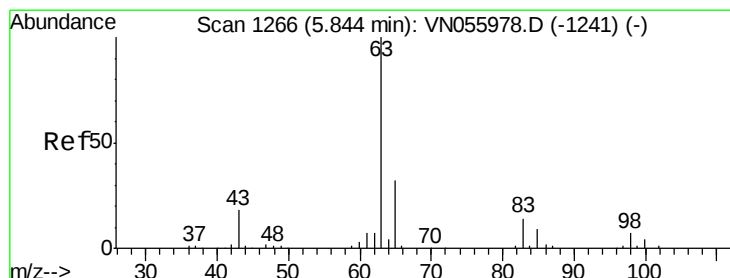
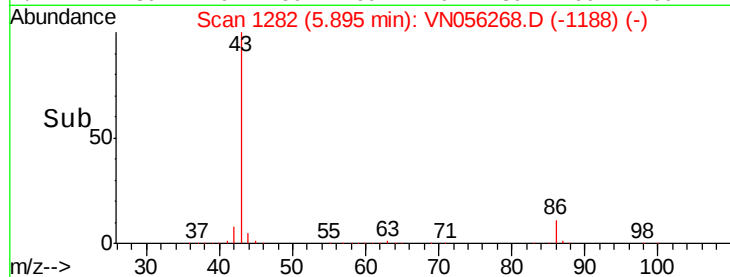
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.143 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

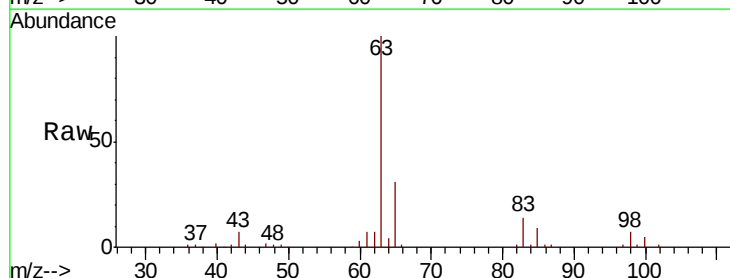
Tgt Ion: 63 Resp: 227327

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

5.84

100000

80000

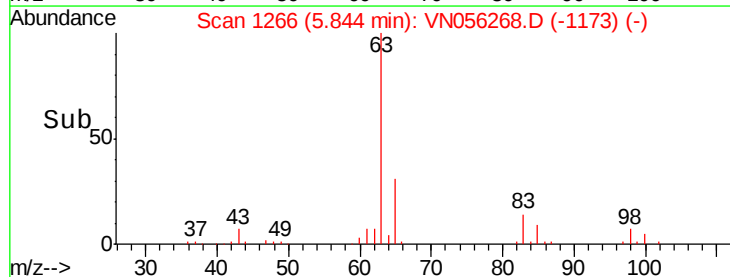
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 251.917 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

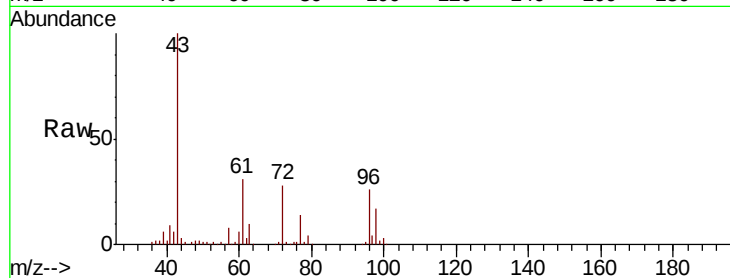
RE104D2-20190607MSD

Tot Ion: 43 Resp: 461113

Ion Ratio Lower Upper

43 100

72 27.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

150000

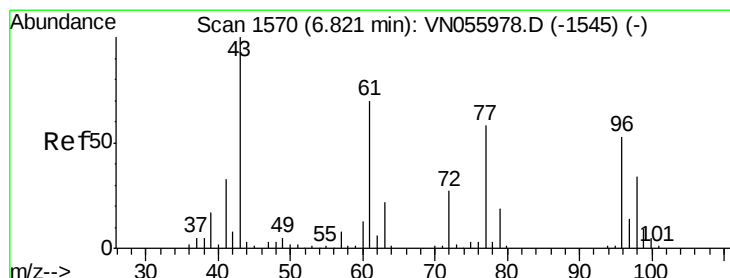
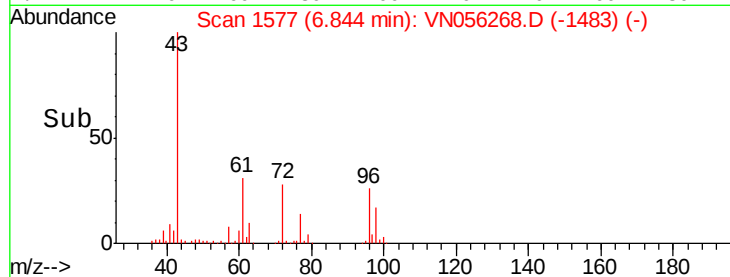
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 31.354 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056268.D

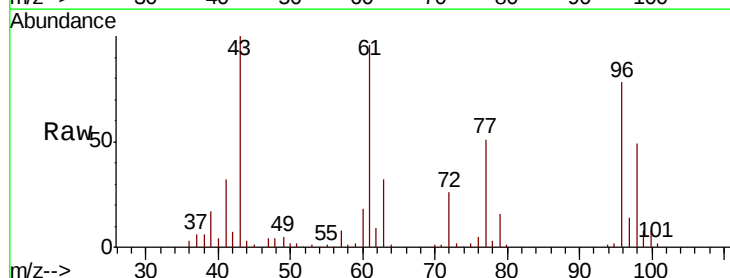
Acq: 12 Jun 2019 22:59

Tgt Ion: 77 Resp: 117977

Ion Ratio Lower Upper

77 100

97 27.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

40000

30000

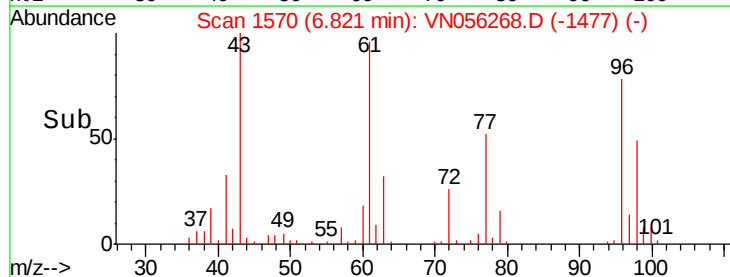
20000

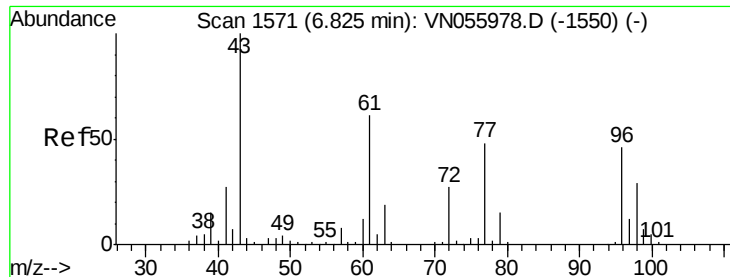
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.521 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

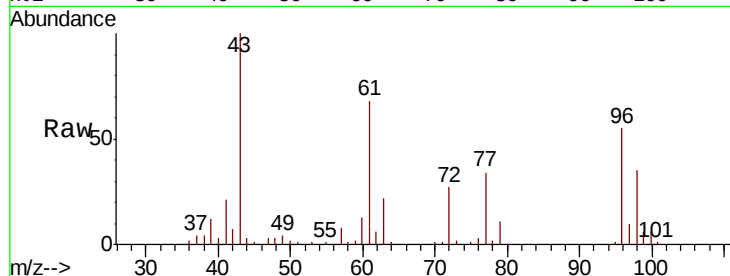
Tot Ion: 96 Resp: 172635

Ion Ratio Lower Upper

96 100

61 125.7 0.0 275.8

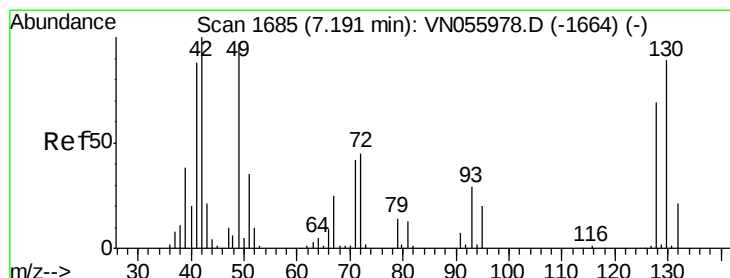
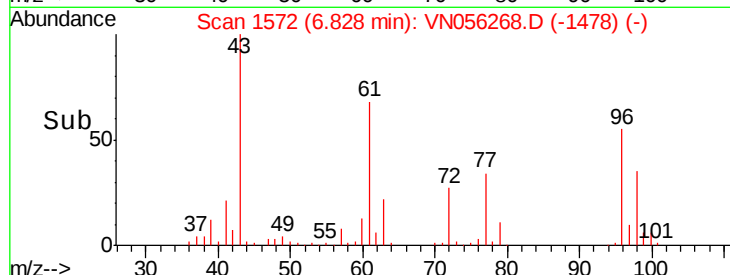
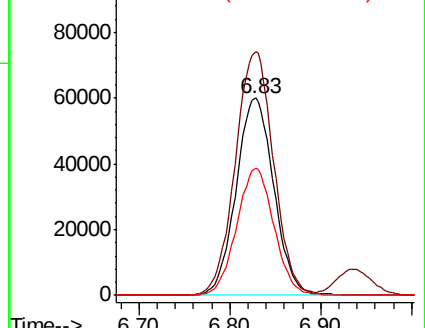
98 63.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.883 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

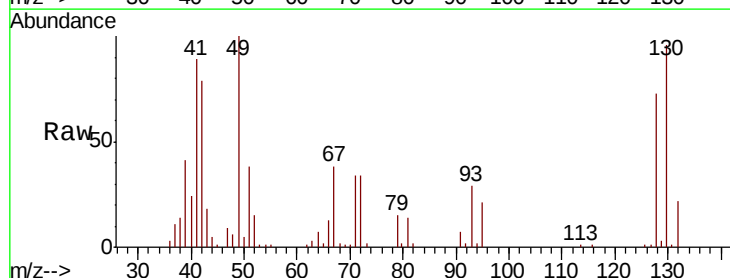
Tgt Ion: 49 Resp: 111472

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

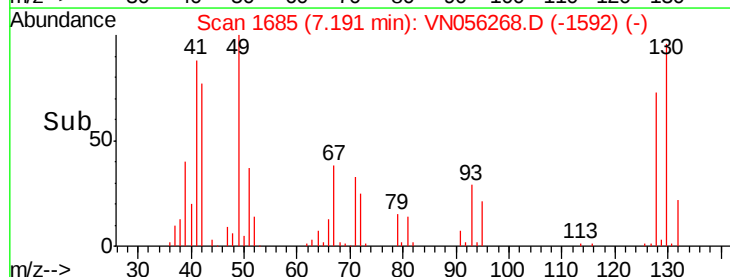
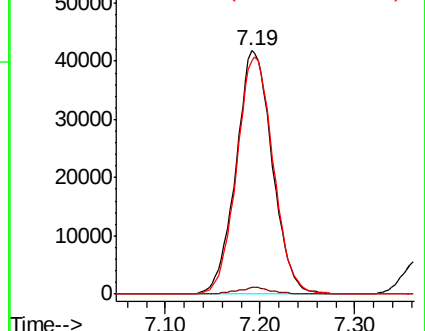
130 98.0 71.2 106.8

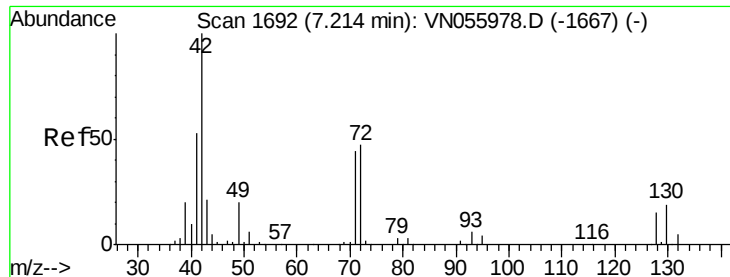


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

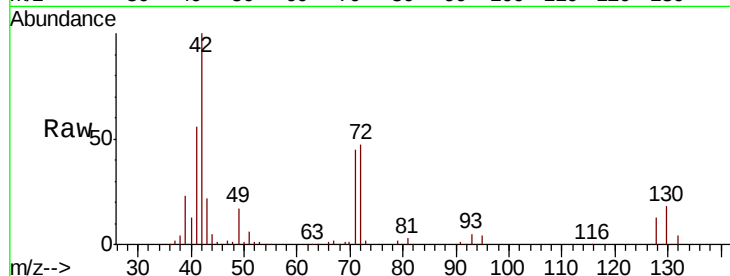




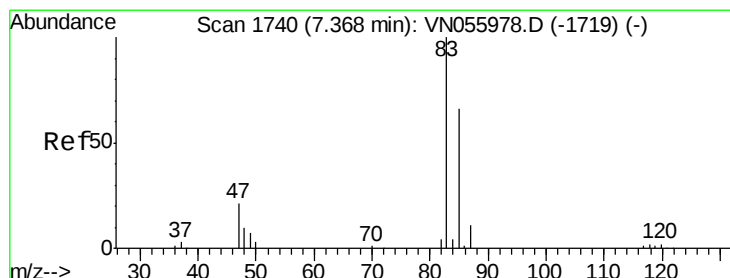
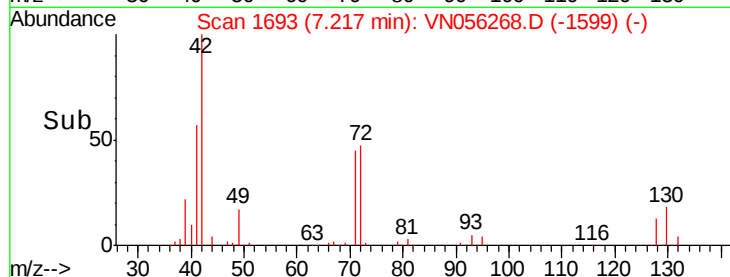
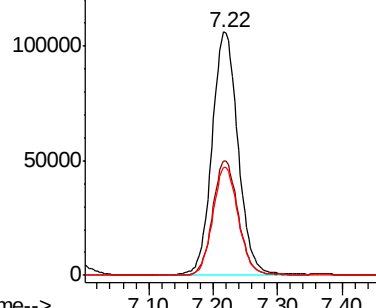
#29
Tetrahydrofuran
Concen: 264.676 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 42 Resp: 299469
Ion Ratio Lower Upper
42 100
72 45.9 35.9 53.9
71 43.3 34.0 51.0

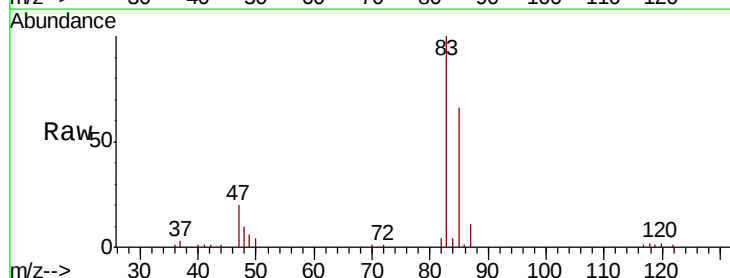


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

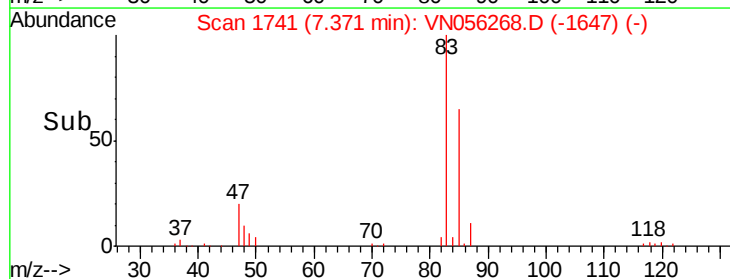
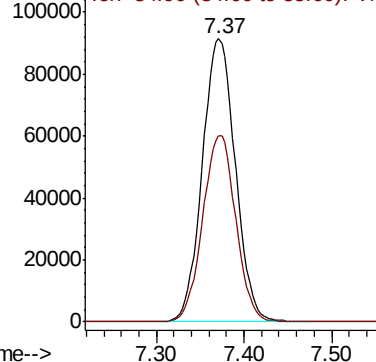


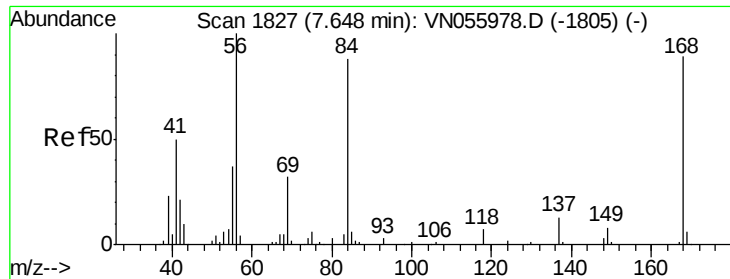
#30
Chloroform
Concen: 49.419 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 83 Resp: 239725
Ion Ratio Lower Upper
83 100
85 65.8 51.8 77.8



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

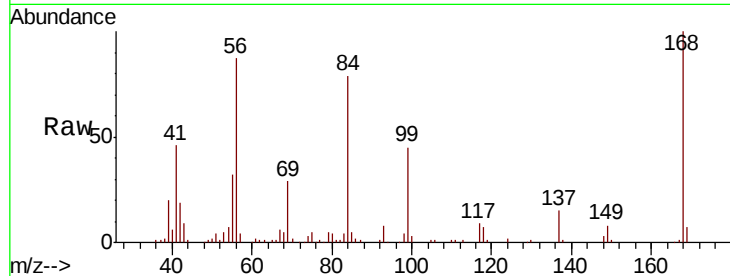




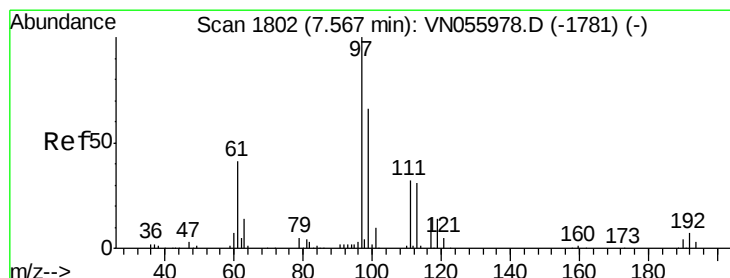
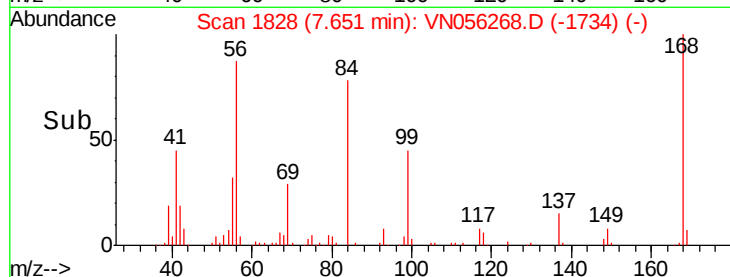
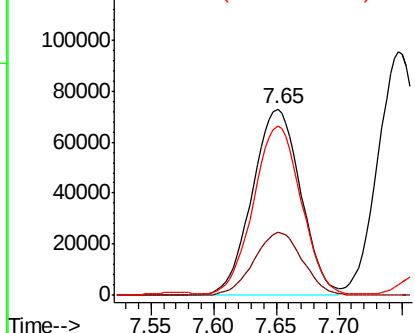
#31
Cyclohexane
Concen: 40.870 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 56 Resp: 196442
Ion Ratio Lower Upper
56 100
69 33.6 25.6 38.4
84 89.7 67.4 101.0

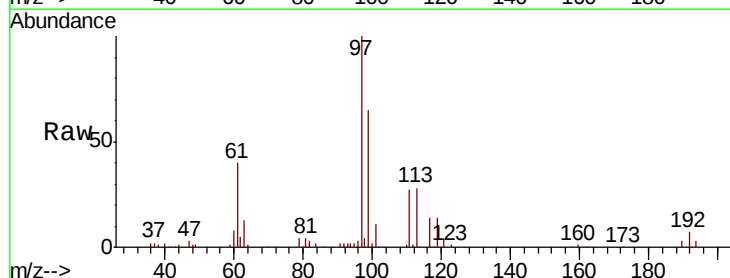


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

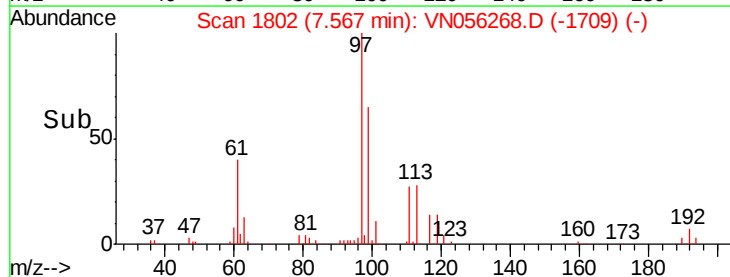
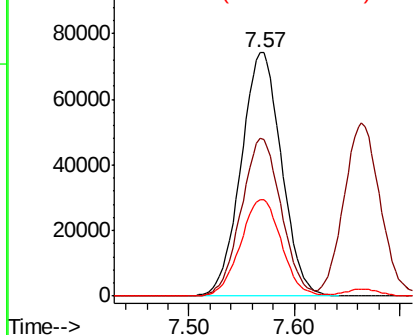


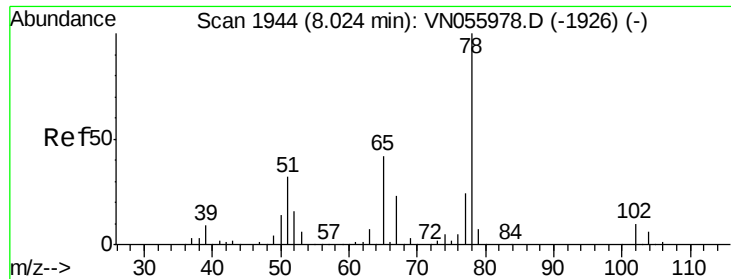
#32
1,1,1-Trichloroethane
Concen: 48.883 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 97 Resp: 198015
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 40.1 32.9 49.3



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

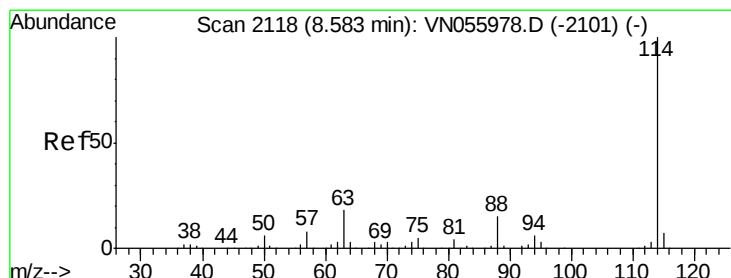
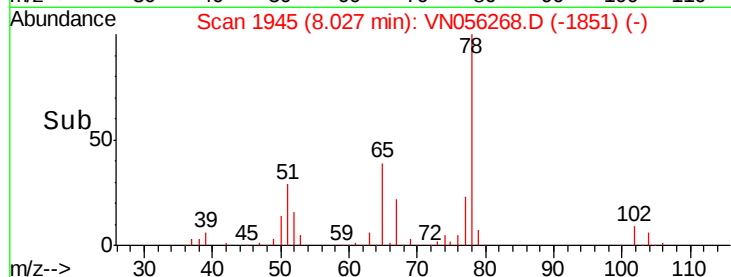
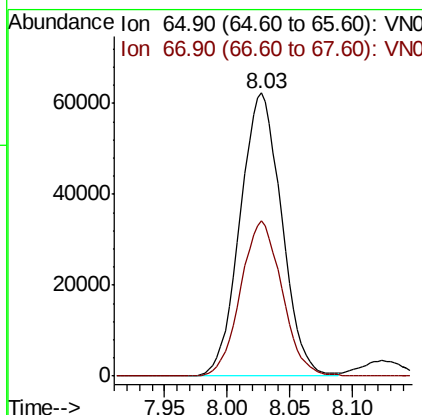
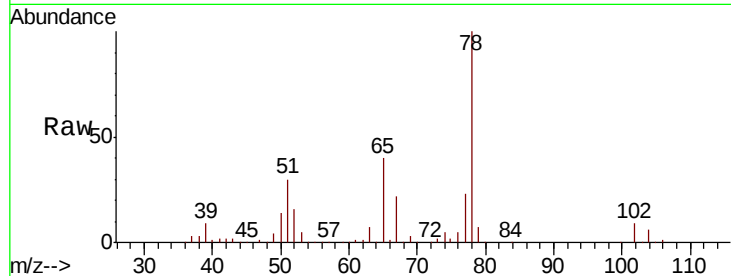




#33
 1,2-Dichloroethane-d4
 Concen: 47.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

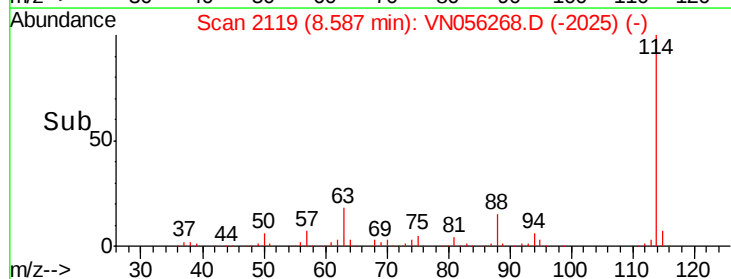
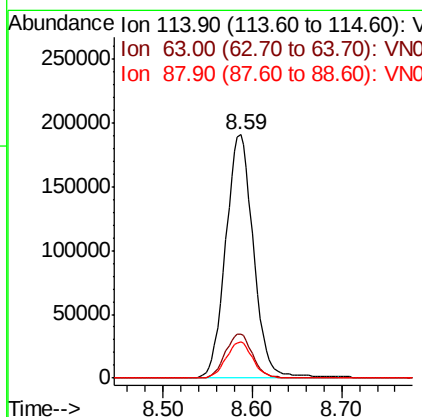
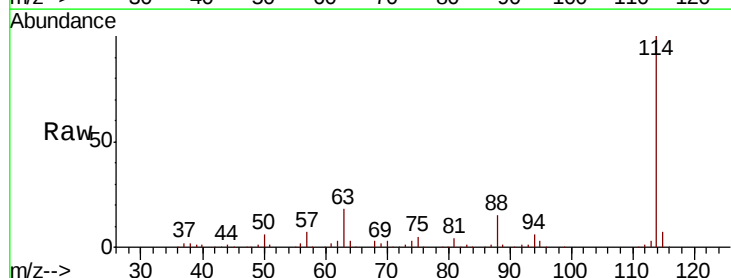
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

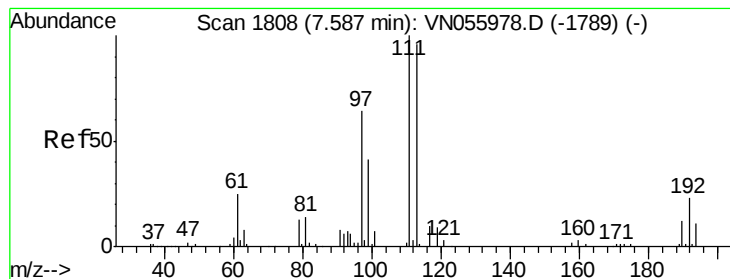
Tot Ion: 65 Resp: 143710
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion: 114 Resp: 411383
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.2
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 54.331 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

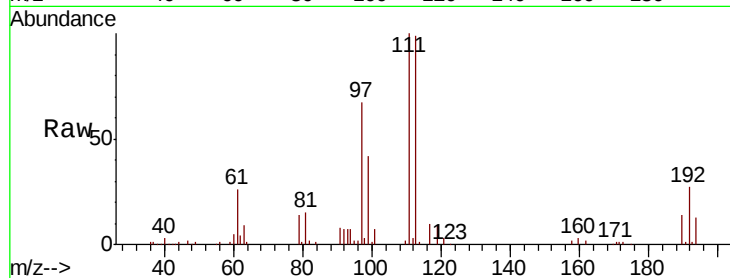
Tot Ion:113 Resp: 137130

Ion Ratio Lower Upper

113 100

111 100.6 81.9 122.9

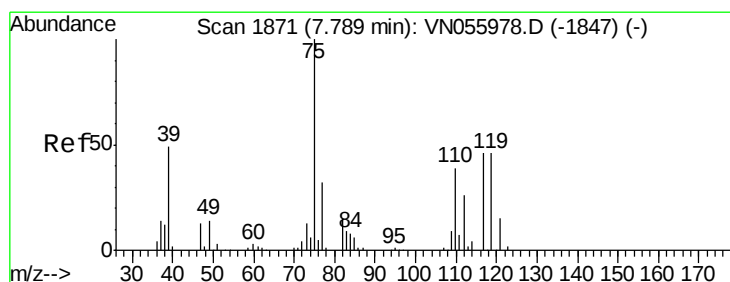
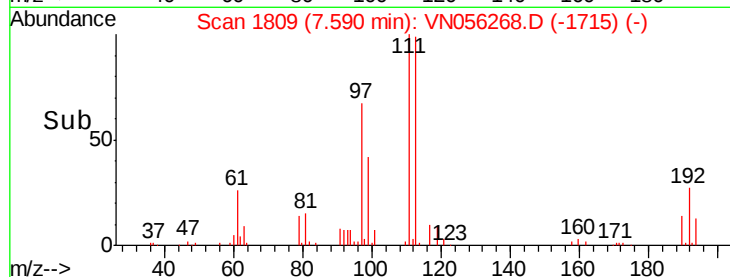
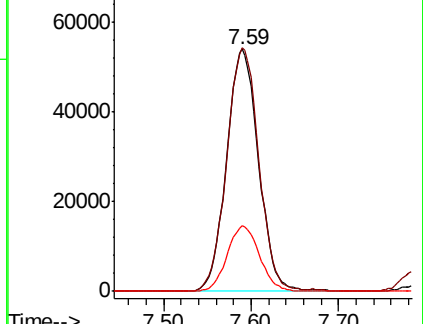
192 27.2 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.722 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

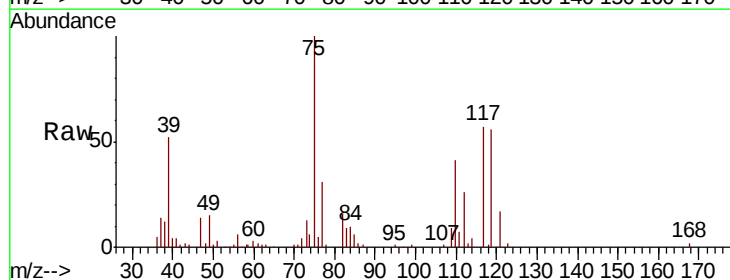
Tgt Ion: 75 Resp: 165272

Ion Ratio Lower Upper

75 100

110 39.7 19.0 57.0

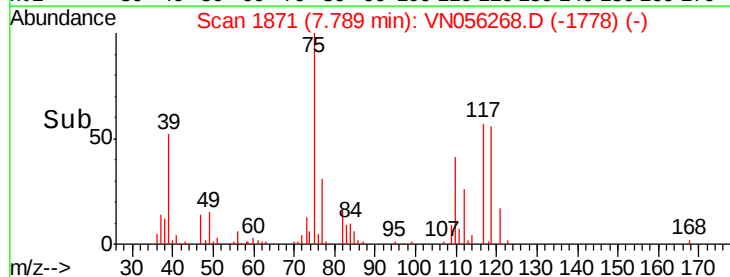
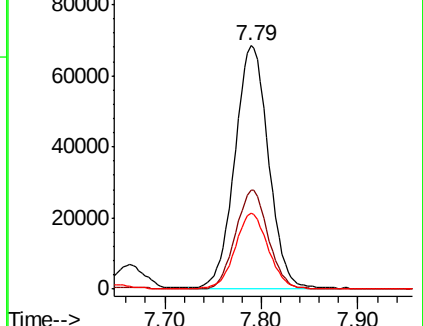
77 31.1 25.1 37.7

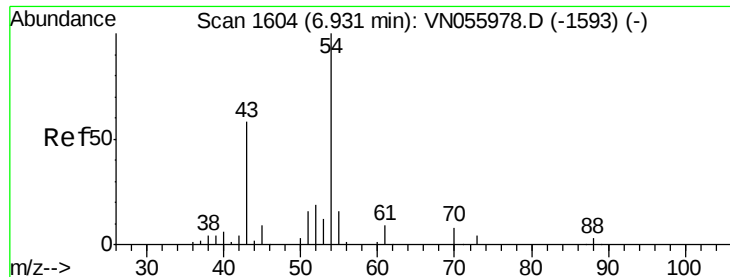


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

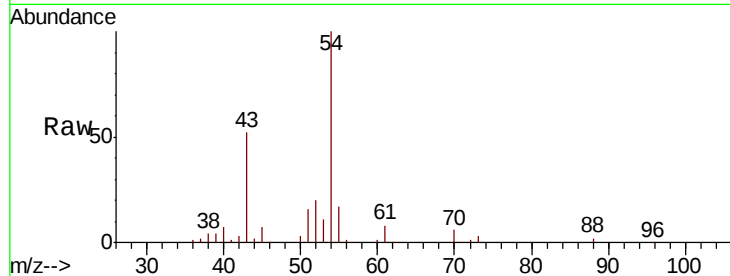




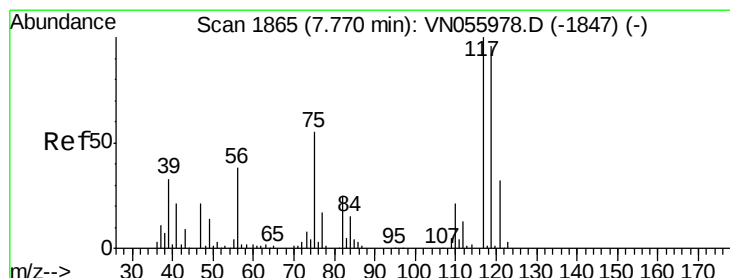
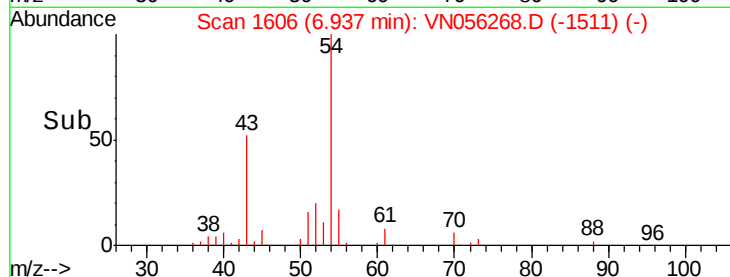
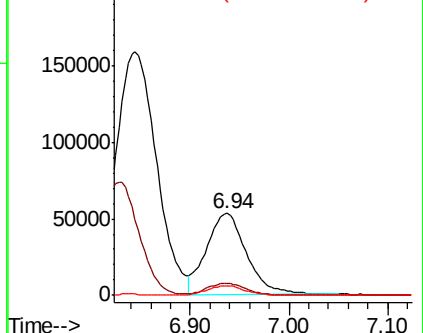
#37
Ethyl Acetate
Concen: 47.998 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 43 Resp: 151067
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.2
70 11.2 8.9 13.3

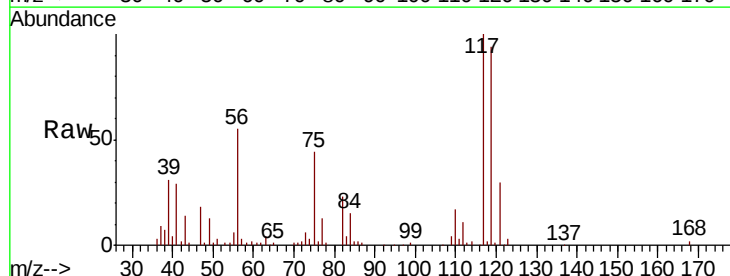


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

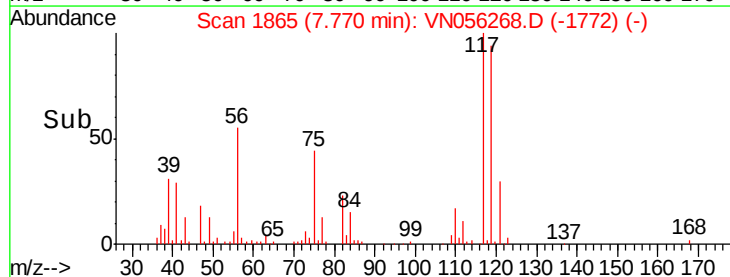
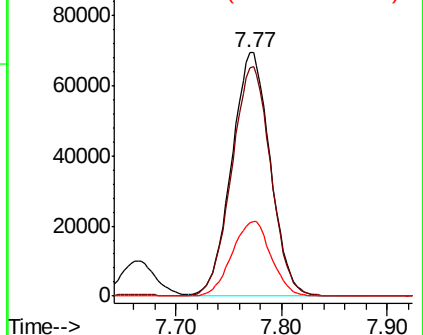


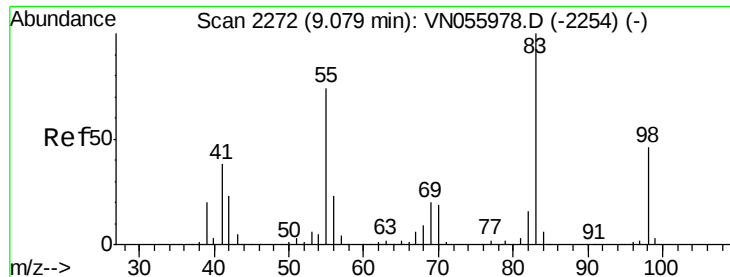
#38
Carbon Tetrachloride
Concen: 54.197 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 117 Resp: 176748
Ion Ratio Lower Upper
117 100
119 93.4 79.0 118.6
121 30.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

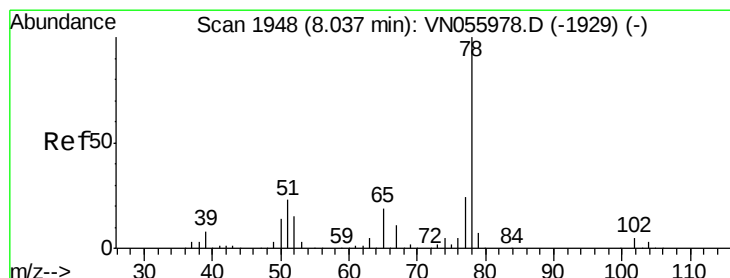
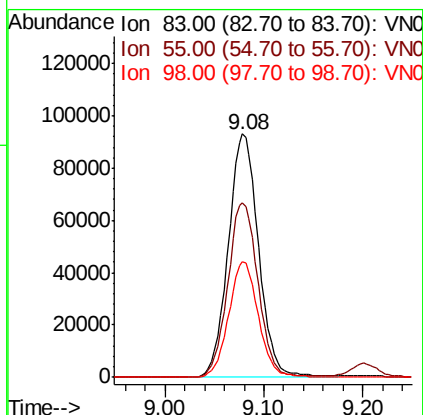
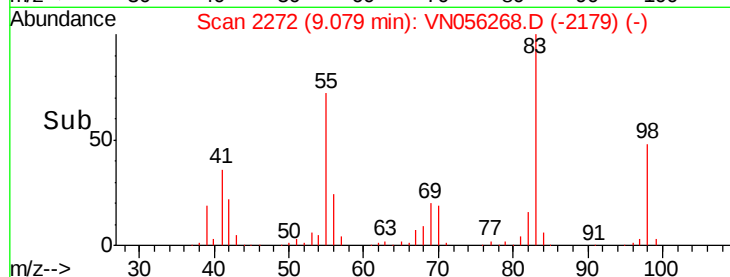
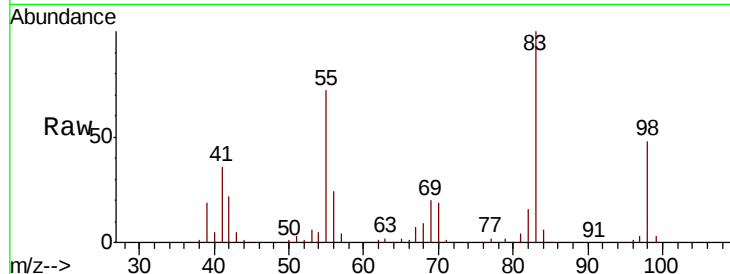




#39
Methvlcvclohexane
Concen: 45.289 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

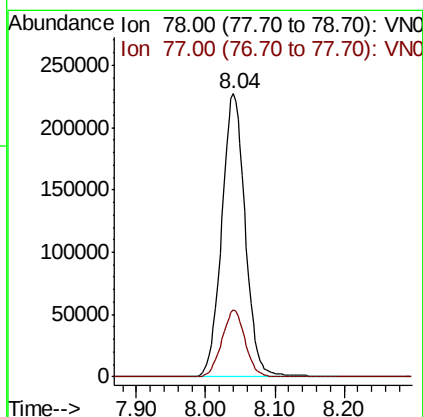
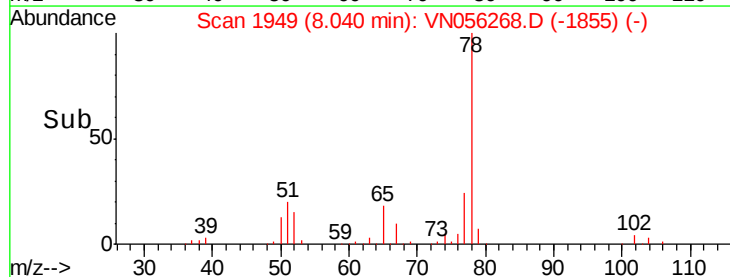
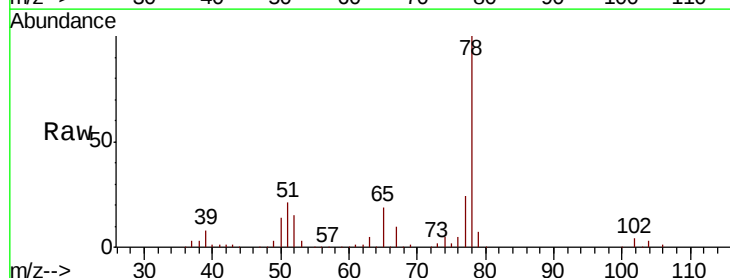
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

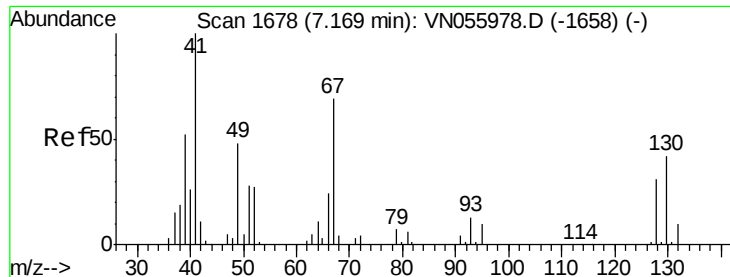
Tot Ion: 83 Resp: 199567
Ion Ratio Lower Upper
83 100
55 71.6 59.3 88.9
98 47.6 36.6 54.8



#40
Benzene
Concen: 49.935 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 78 Resp: 536487
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

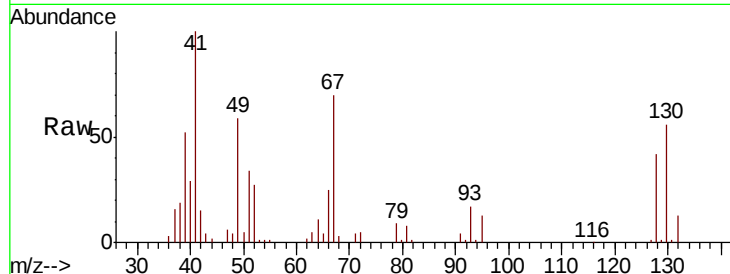




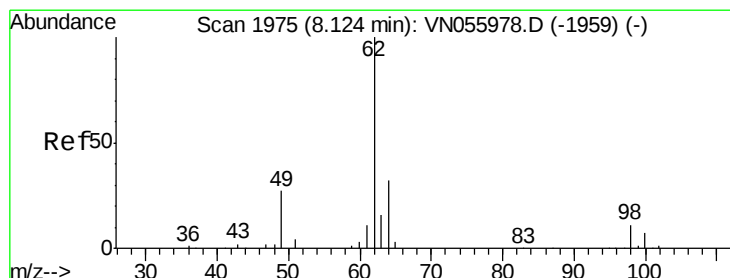
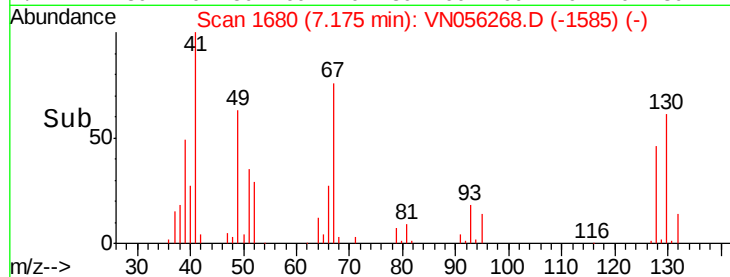
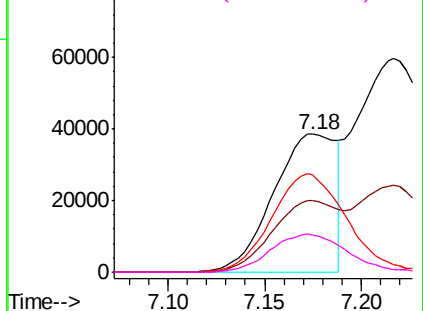
#41
Methacrylonitrile
Concen: 60.186 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 41 Resp: 87155
Ion Ratio Lower Upper
41 100
39 55.7 45.6 68.4
67 85.2 67.7 101.5
52 34.2 26.6 40.0

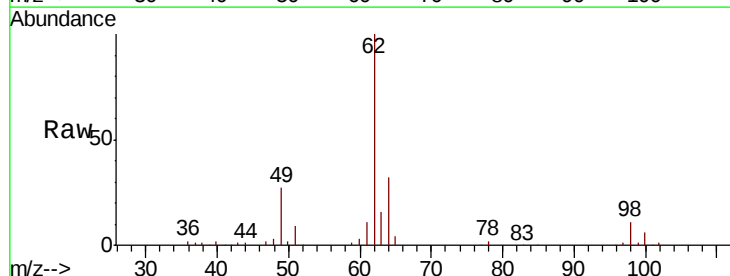


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

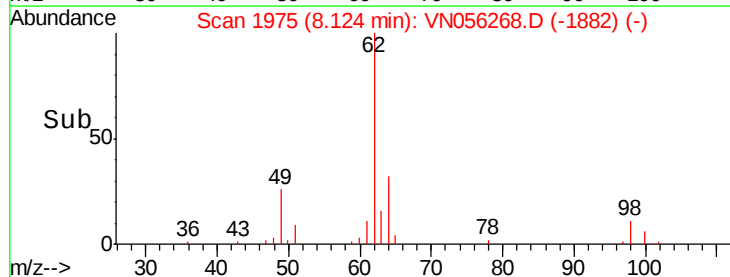
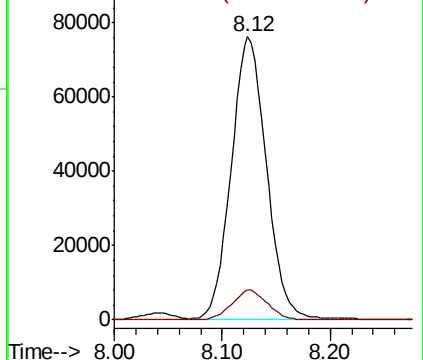


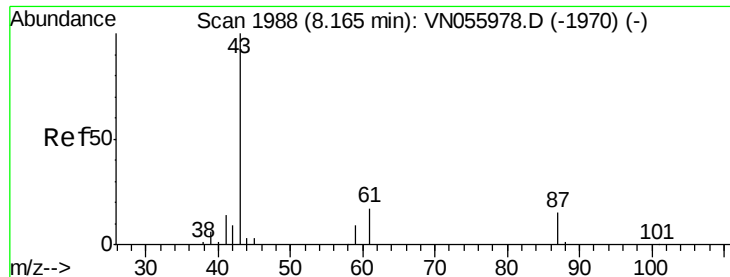
#42
1,2-Dichloroethane
Concen: 49.710 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 62 Resp: 171791
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.258 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

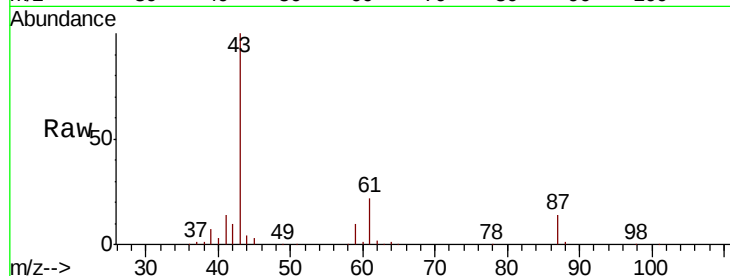
Tot Ion: 43 Resp: 241026

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

87 14.5 11.4 17.2

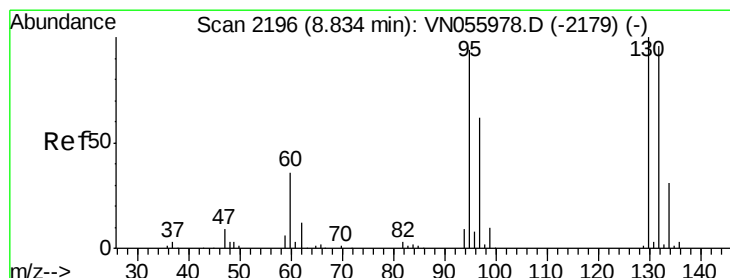
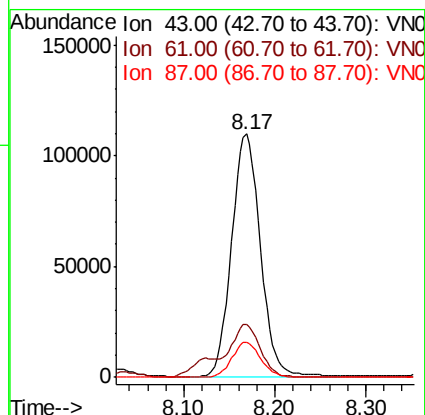
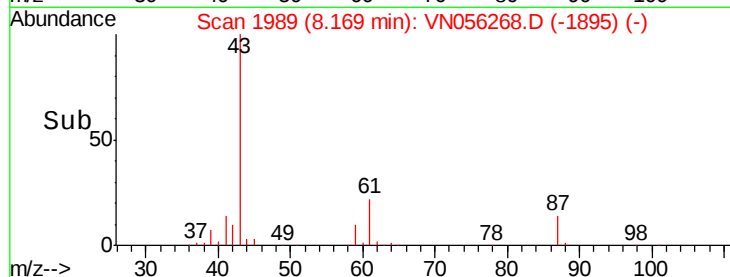


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 91.589 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056268.D

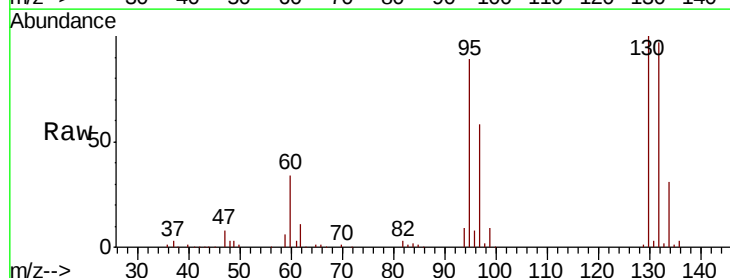
Acq: 12 Jun 2019 22:59

Tgt Ion:130 Resp: 282751

Ion Ratio Lower Upper

130 100

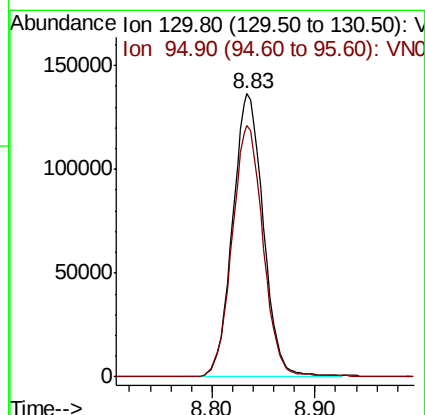
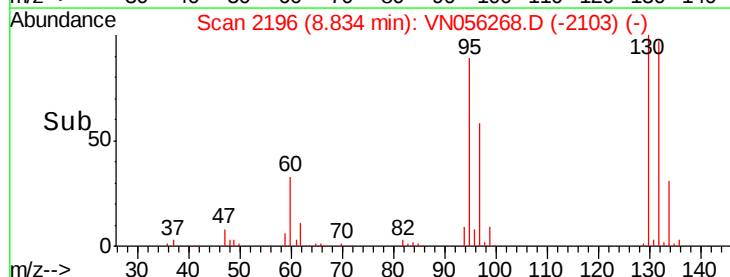
95 88.7 0.0 188.0

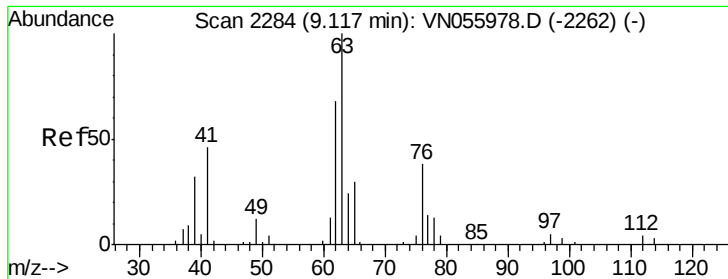


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83





#45

1,2-Dichloropropane

Concen: 50.867 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

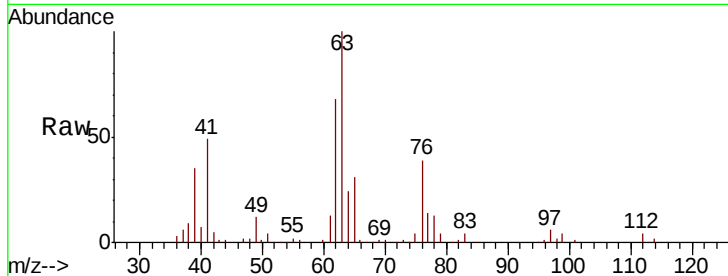
RE104D2-20190607MSD

Tot Ion: 63 Resp: 139982

Ion Ratio Lower Upper

63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055978.D (-2262) (-)

9.12

80000

60000

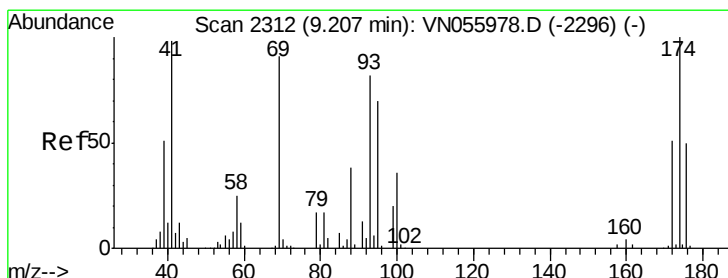
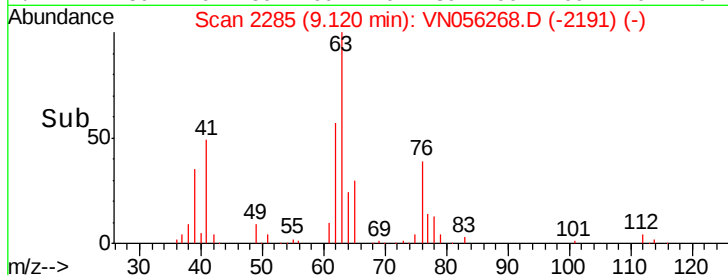
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 53.126 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

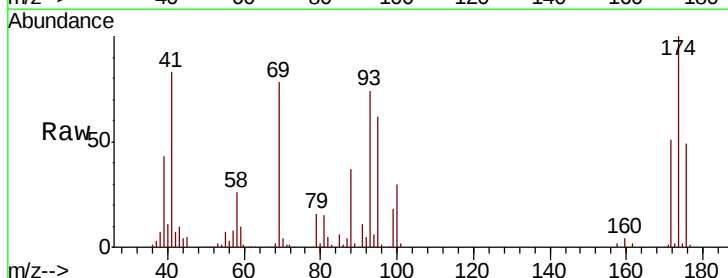
Tgt Ion: 93 Resp: 95602

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 133.9 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055978.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055978.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055978.D (-2296) (-)

9.21

80000

60000

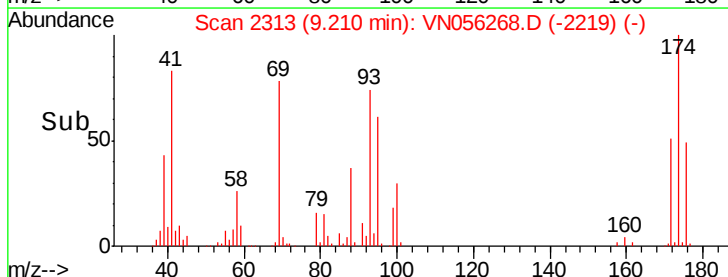
40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 55.501 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

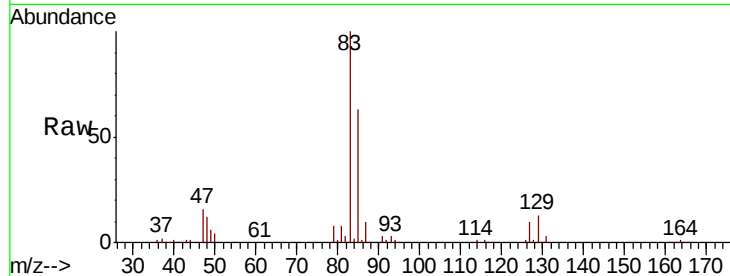
Tot Ion: 83 Resp: 181017

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.2

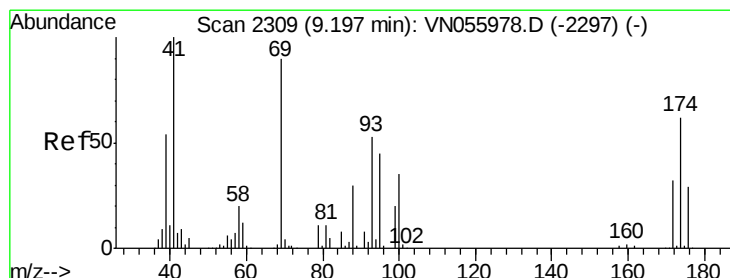
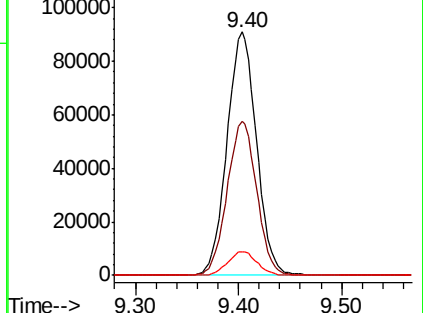
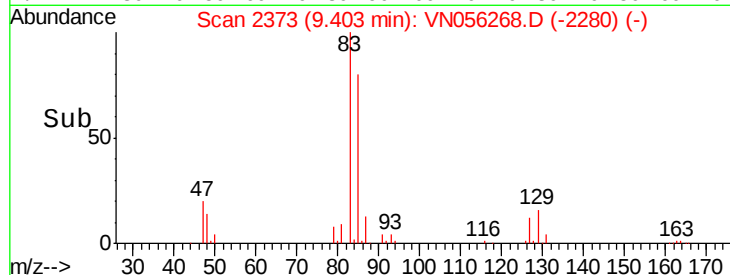
127 9.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056268.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056268.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056268.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.782 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

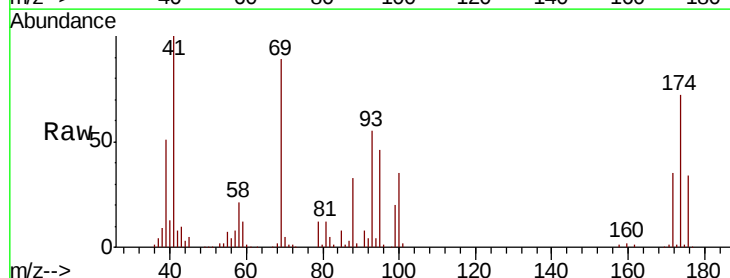
Tgt Ion: 41 Resp: 134195

Ion Ratio Lower Upper

41 100

69 92.0 71.0 106.6

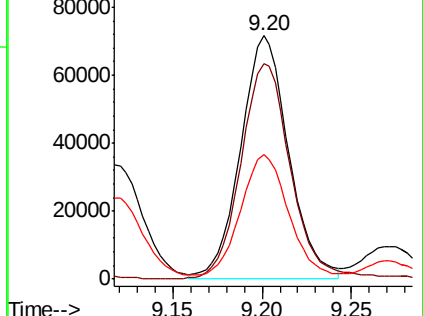
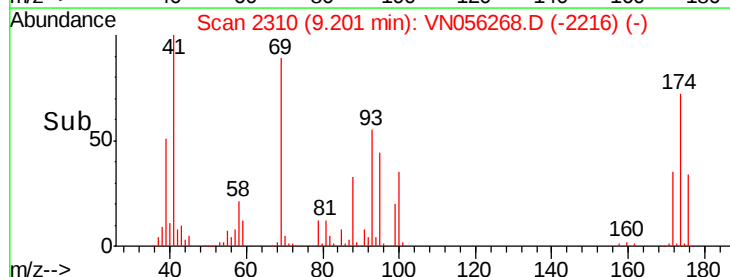
39 51.8 44.2 66.2

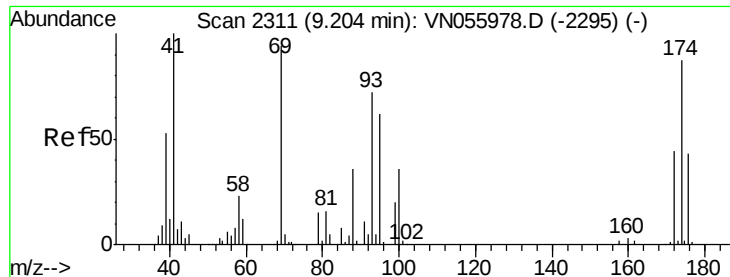


Abundance Ion 41.00 (40.70 to 41.70): VN056268.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056268.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056268.D (-2216) (-)

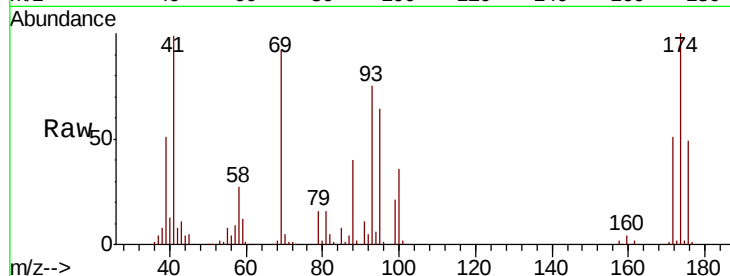




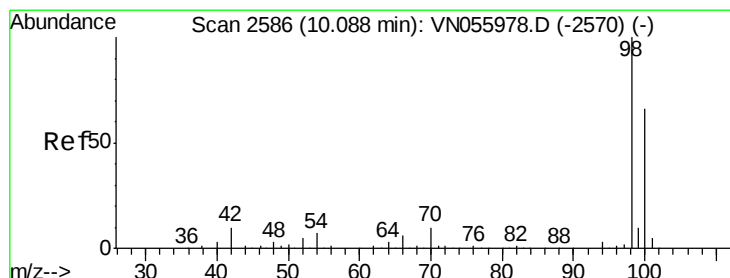
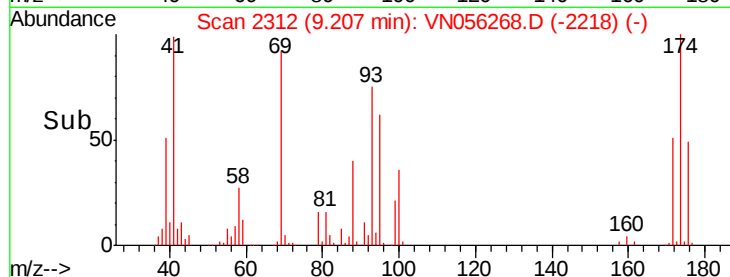
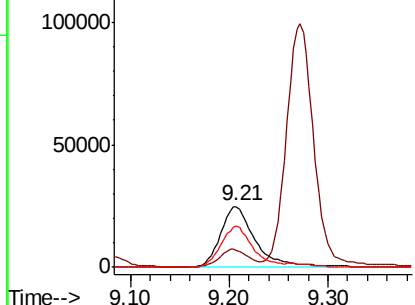
#49
1,4-Dioxane
Concen: 1138.014 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 88 Resp: 61302
Ion Ratio Lower Upper
88 100
43 23.9 20.5 30.7
58 62.0 55.8 83.6

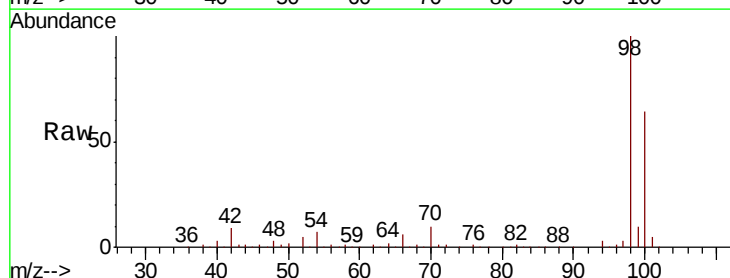


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

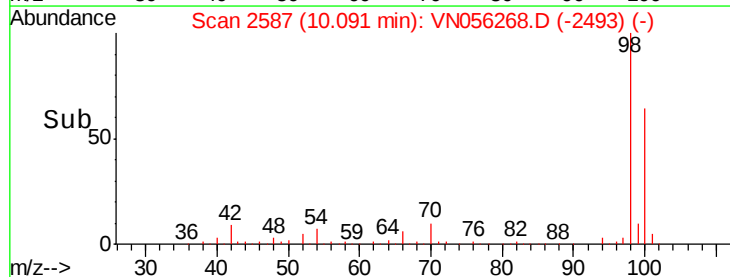
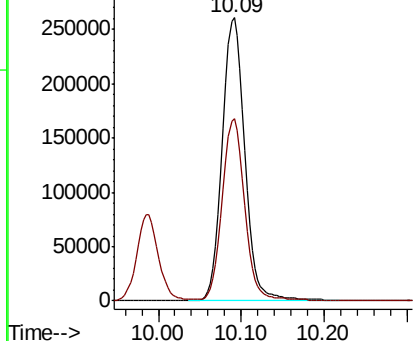


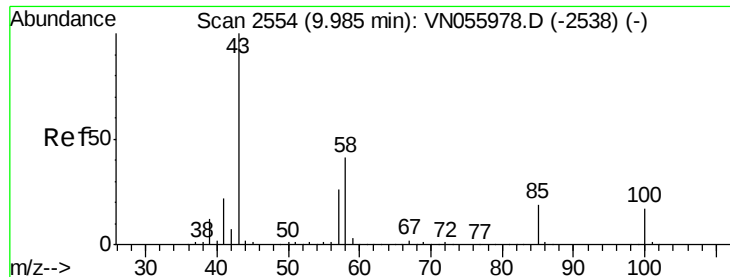
#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 98 Resp: 493516
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 277.014 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

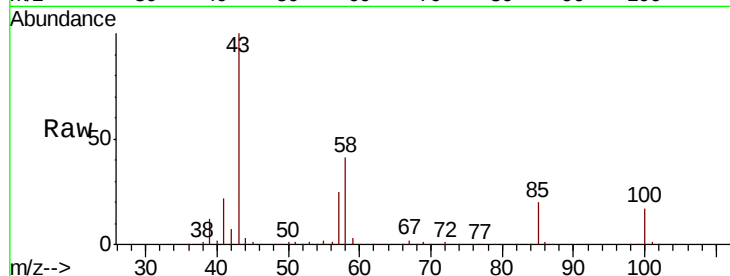
RE104D2-20190607MSD

Tot Ion: 43 Resp: 883512

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

400000

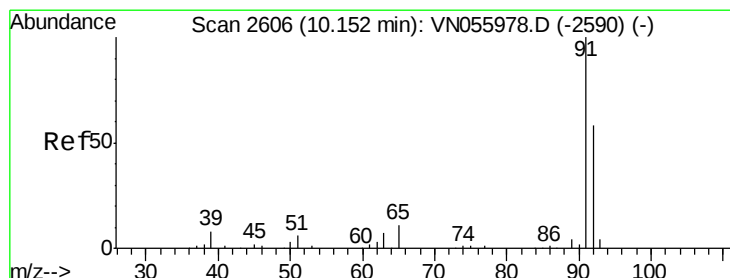
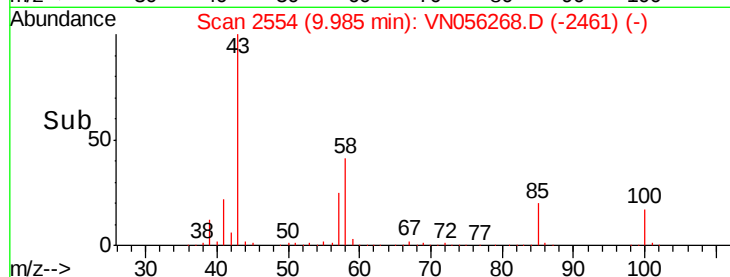
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.189 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056268.D

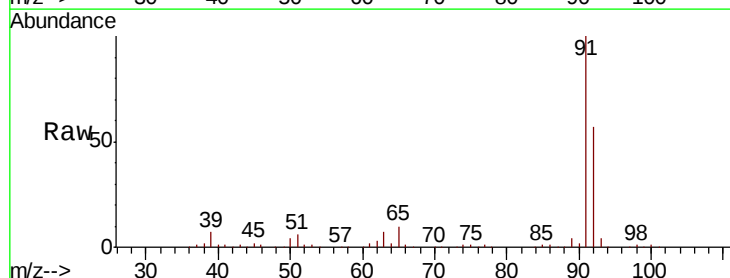
Acq: 12 Jun 2019 22:59

Tgt Ion: 92 Resp: 335531

Ion Ratio Lower Upper

92 100

91 176.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.16

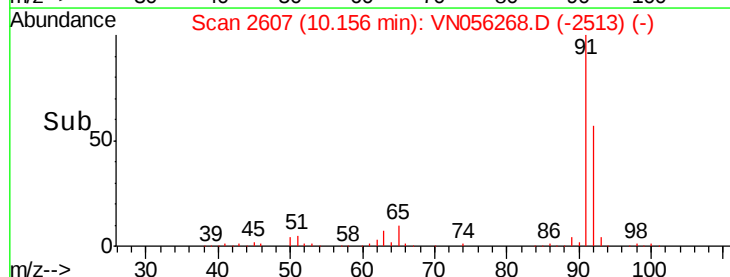
300000

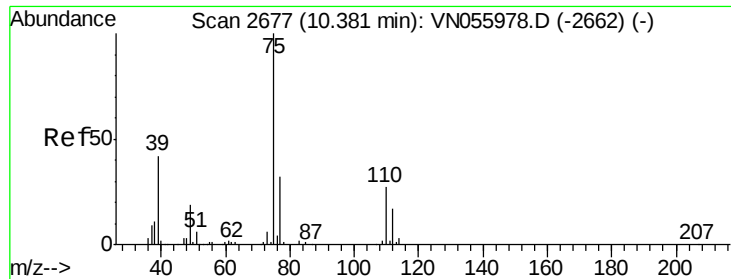
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.134 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

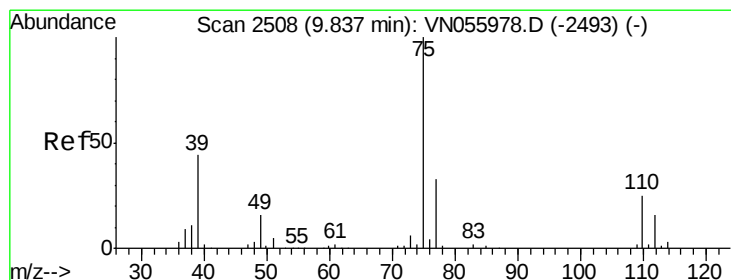
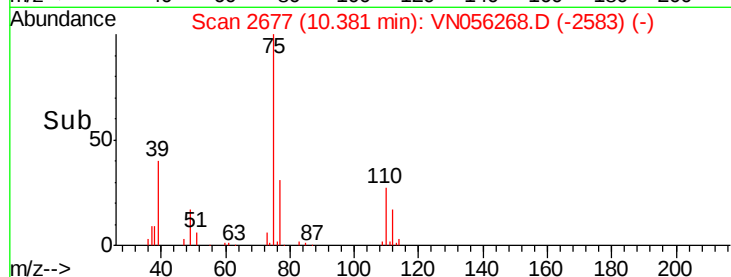
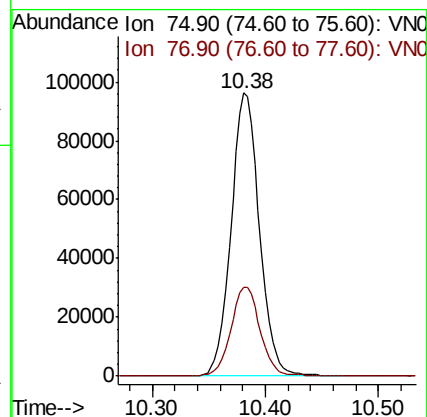
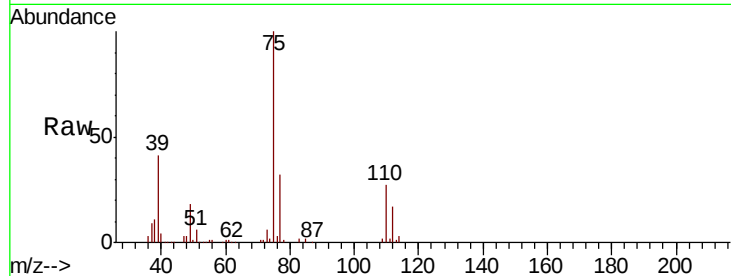
RE104D2-20190607MSD

Tot Ion: 75 Resp: 167634

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 49.749 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

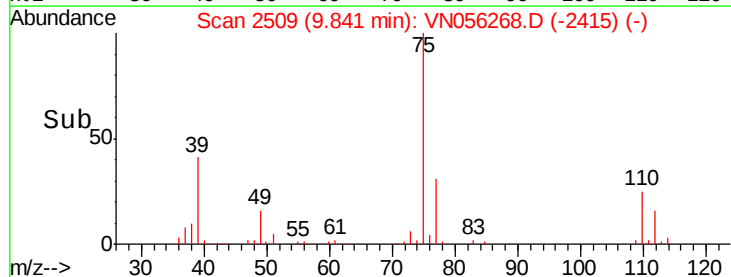
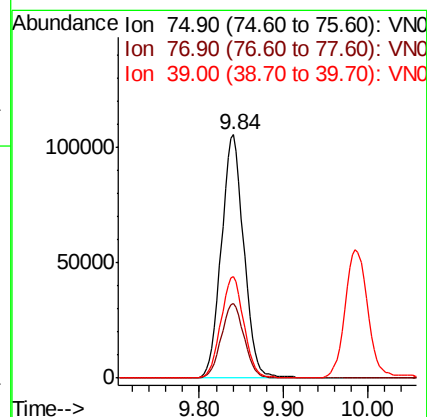
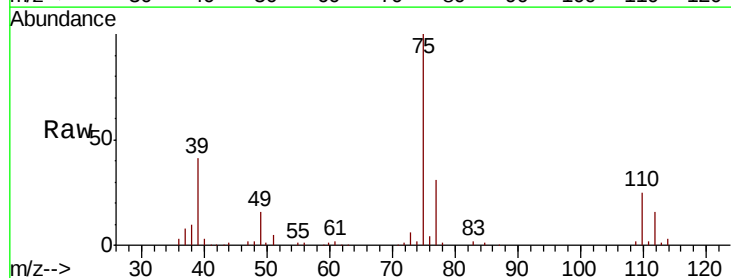
Tgt Ion: 75 Resp: 195033

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 41.5 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 53.776 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 97 Resp: 142408

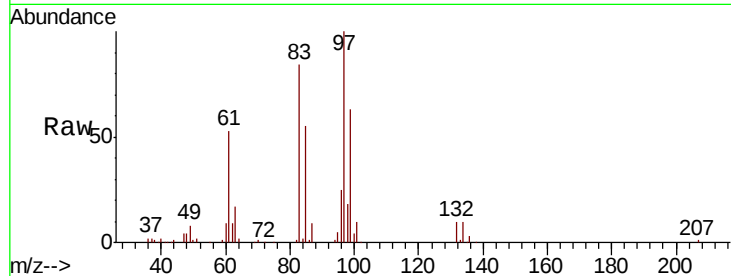
Ion Ratio Lower Upper

97 100

83 84.0 67.0 100.6

85 55.2 44.0 66.0

99 62.7 50.6 75.8

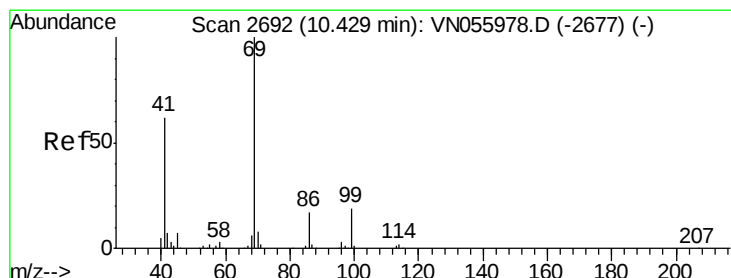
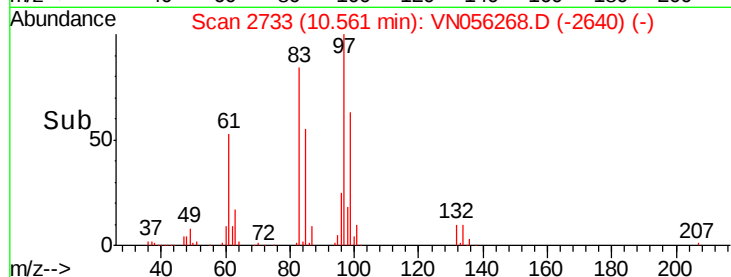
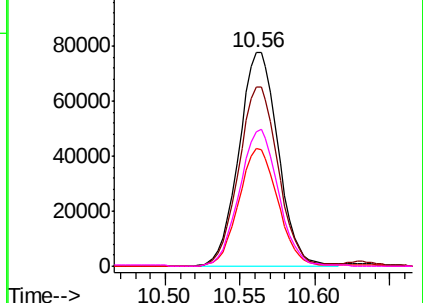


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 53.030 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

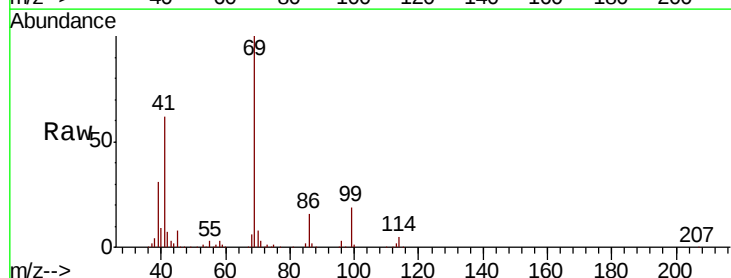
Tgt Ion: 69 Resp: 204876

Ion Ratio Lower Upper

69 100

41 61.0 49.7 74.5

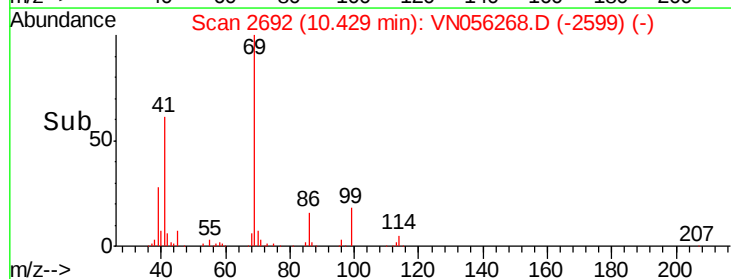
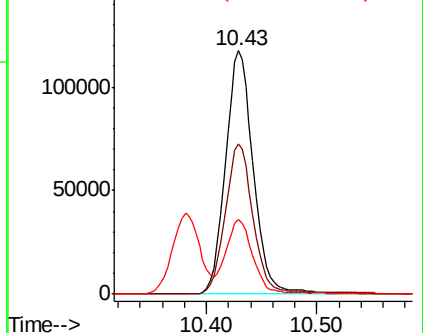
39 29.1 24.7 37.1

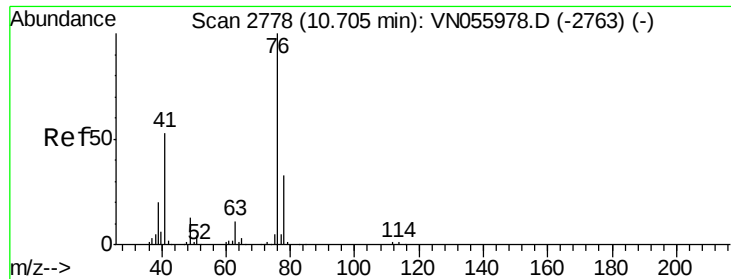


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

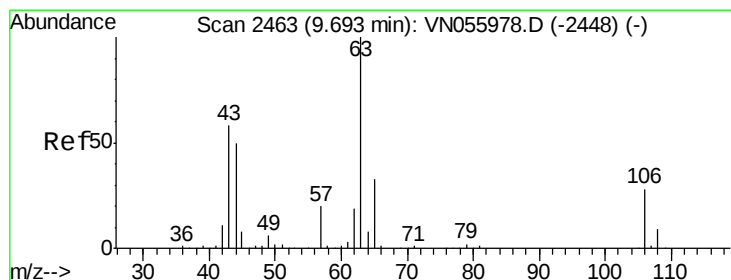
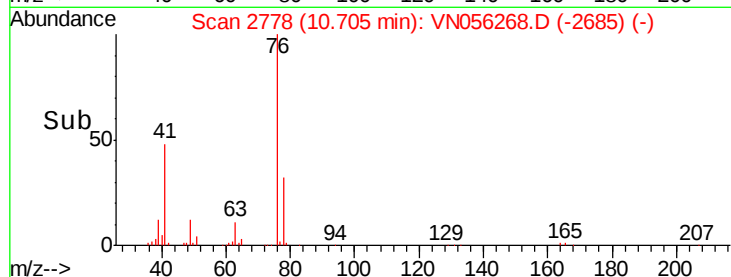
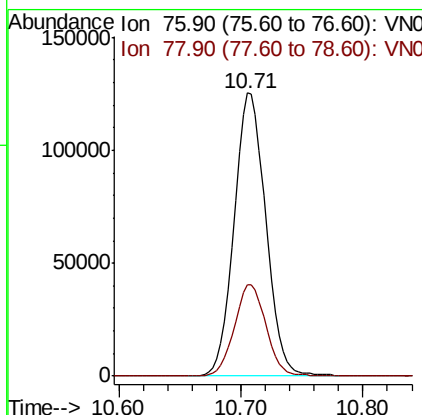
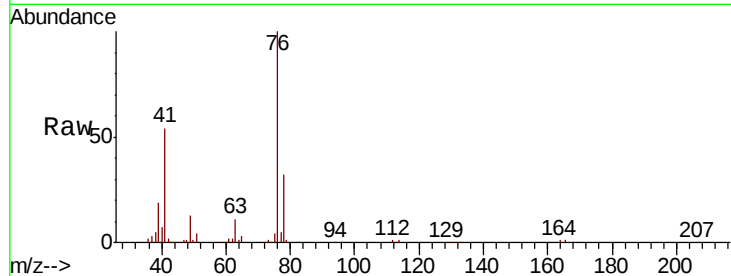




#57
 1,3-Dichloropropane
 Concen: 52.415 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

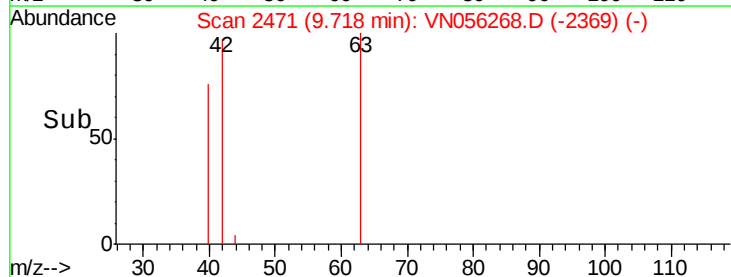
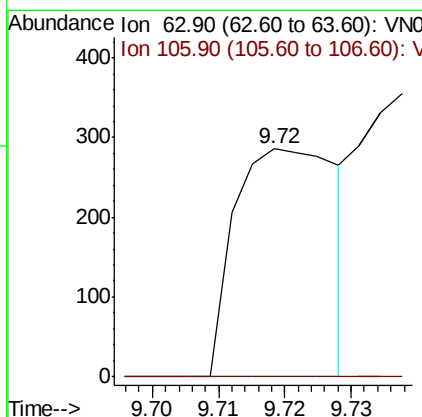
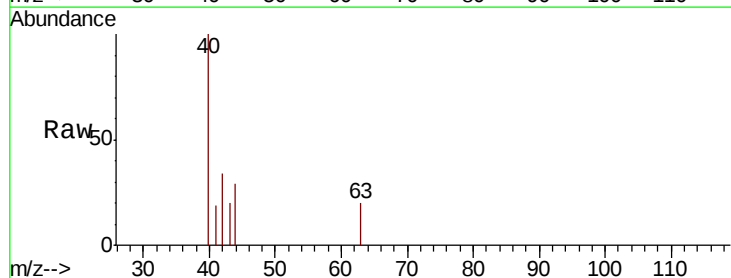
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

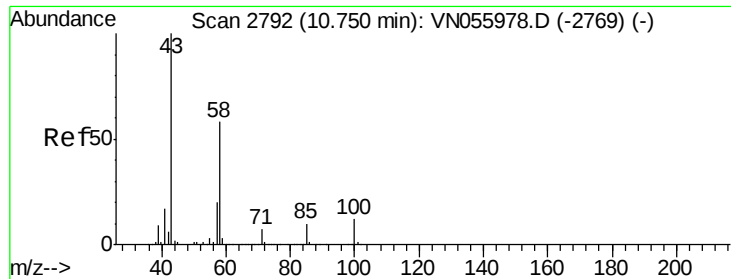
Tot Ion: 76 Resp: 225644
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.062 ug/l
 RT: 9.72 min Scan# 2471
 Delta R.T. 0.03 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion: 63 Resp: 305
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#

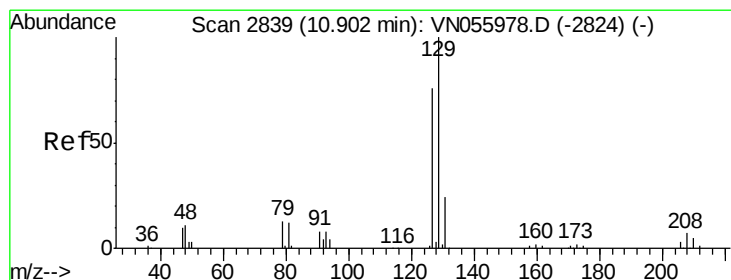
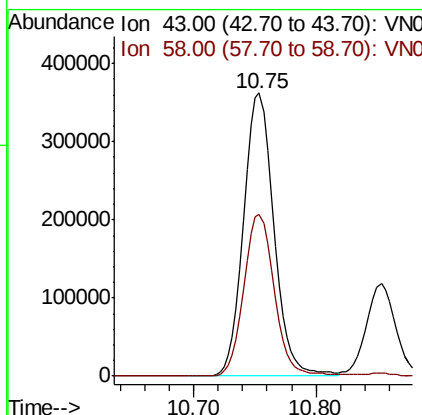
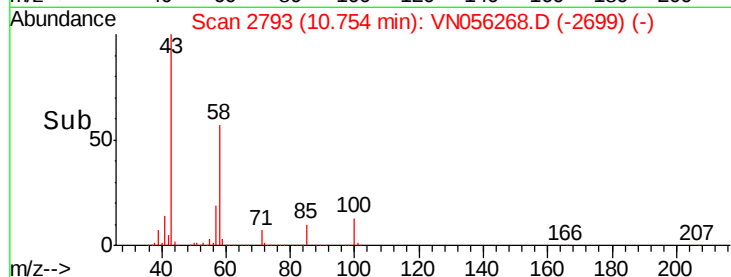
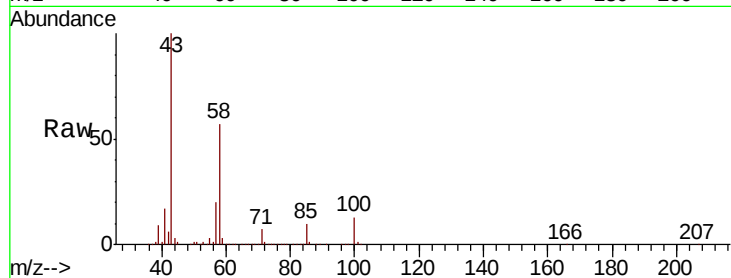




#59
2-Hexanone
Concen: 268.774 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

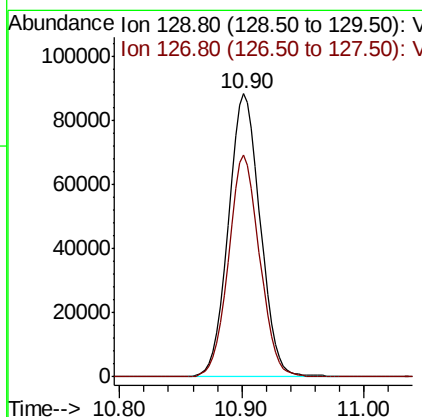
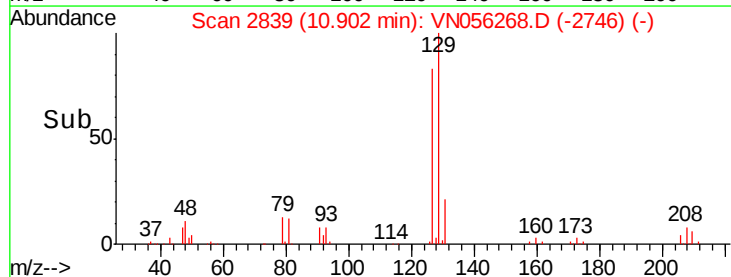
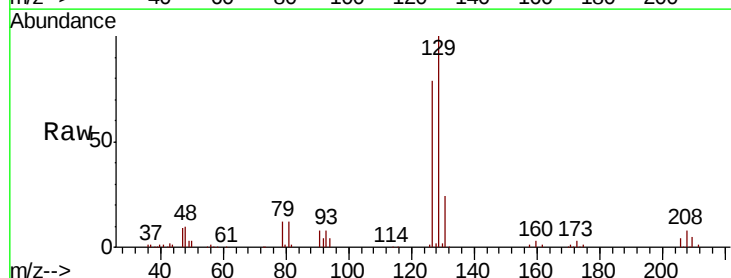
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 43 Resp: 621301
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7



#60
Dibromochloromethane
Concen: 54.599 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 129 Resp: 160159
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 54.700 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

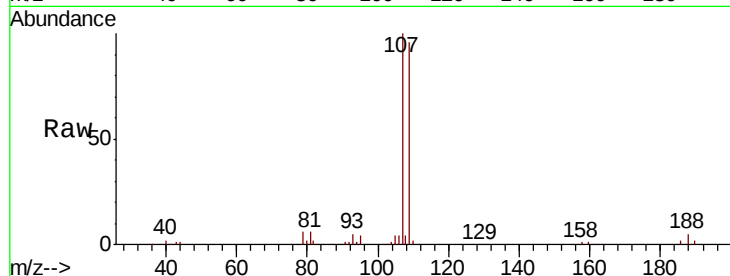
RE104D2-20190607MSD

Tot Ion:107 Resp: 148085

Ion Ratio Lower Upper

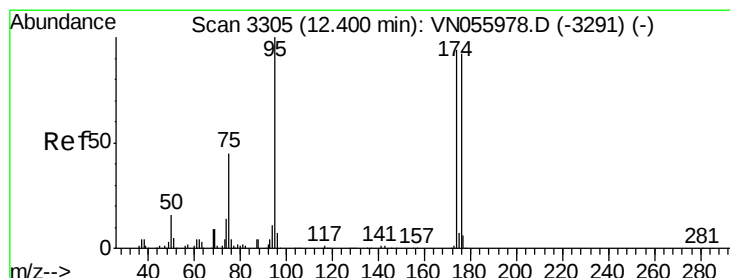
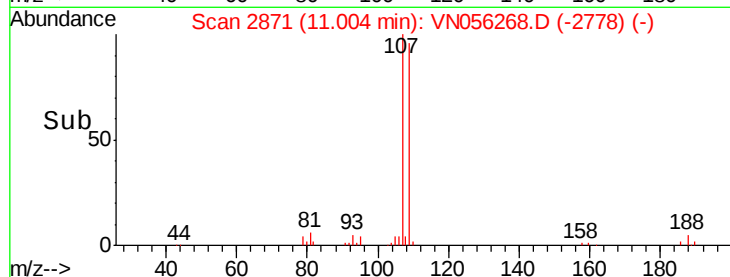
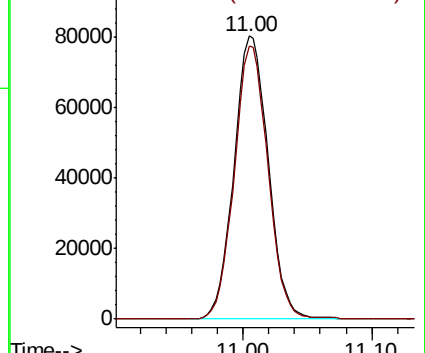
107 100

109 95.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.710 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

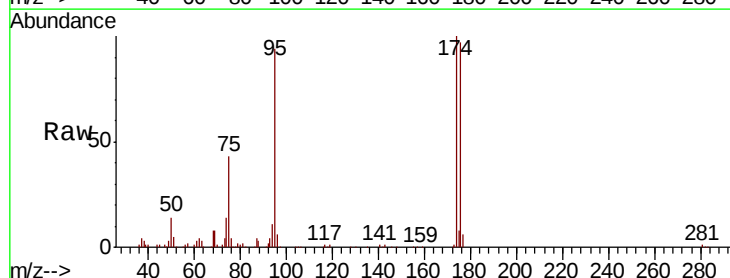
Tgt Ion: 95 Resp: 167490

Ion Ratio Lower Upper

95 100

174 106.2 0.0 191.0

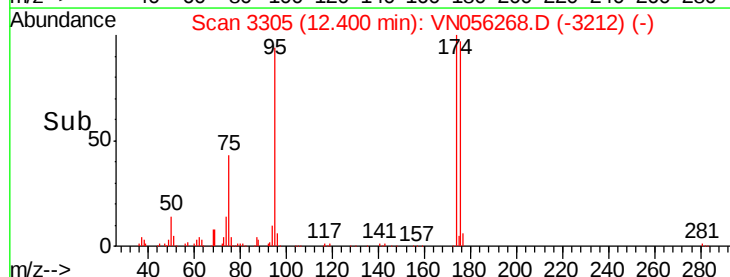
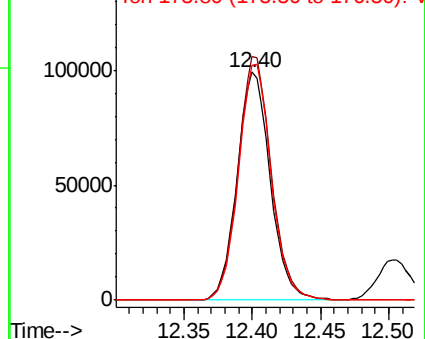
176 102.4 0.0 185.2

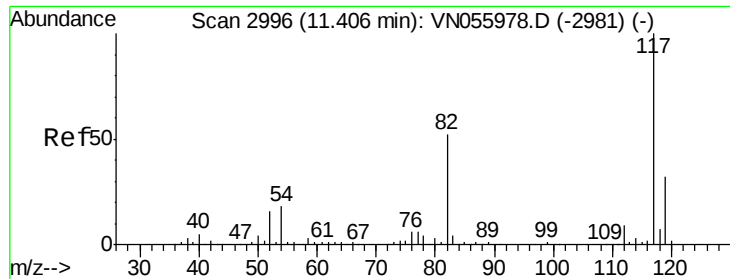


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

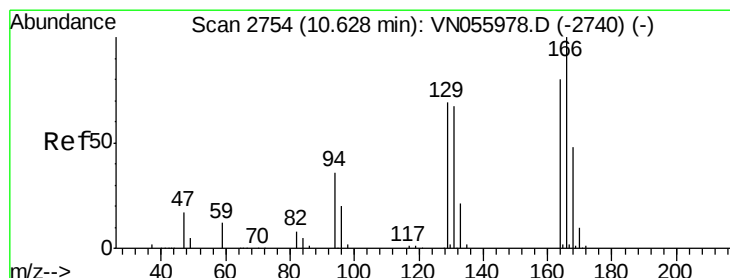
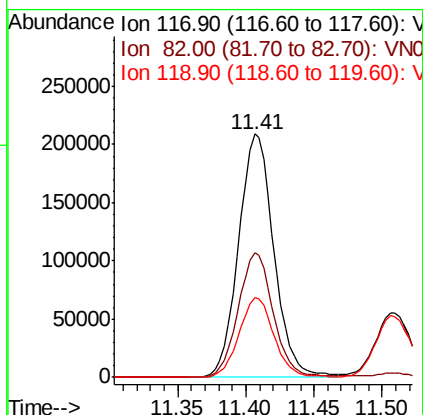
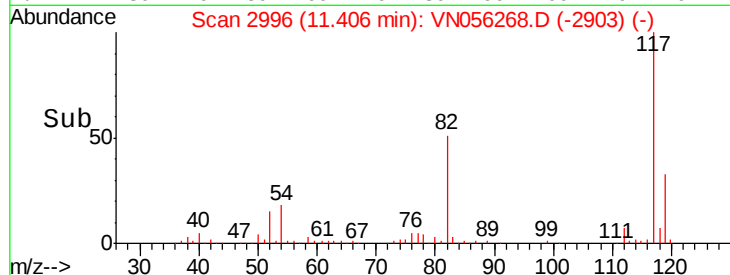
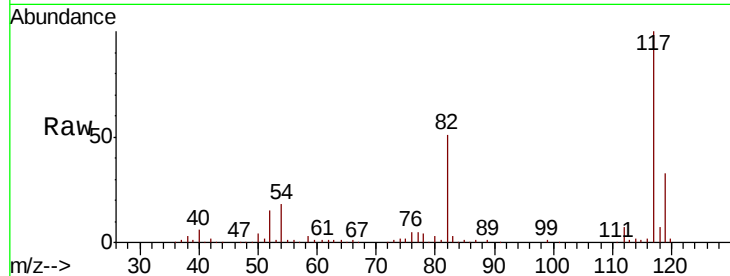




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

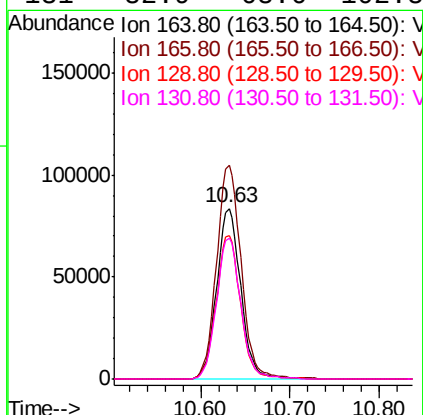
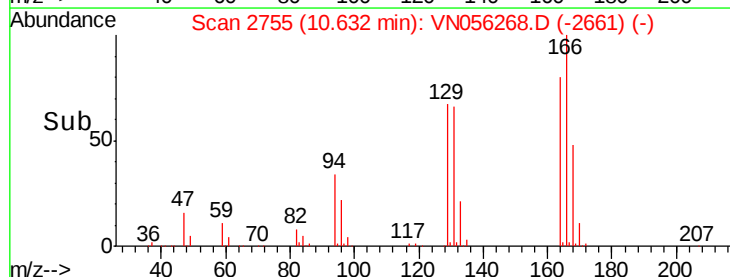
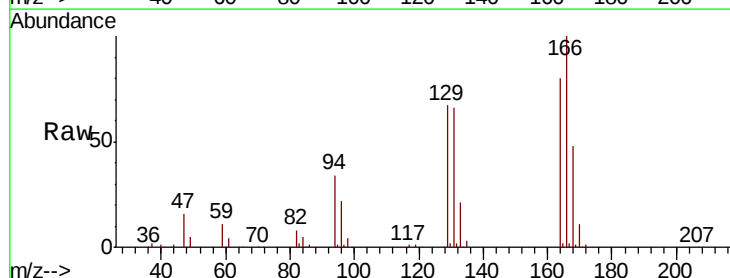
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

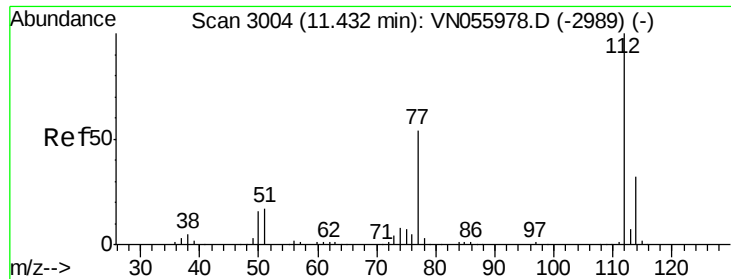
Tot Ion:117 Resp: 375341
Ion Ratio Lower Upper
117 100
82 51.0 41.8 62.8
119 32.7 25.4 38.0



#64
Tetrachloroethene
Concen: 48.265 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:164 Resp: 156813
Ion Ratio Lower Upper
164 100
166 125.3 103.0 154.6
129 84.4 70.6 105.8
131 82.9 68.6 102.8

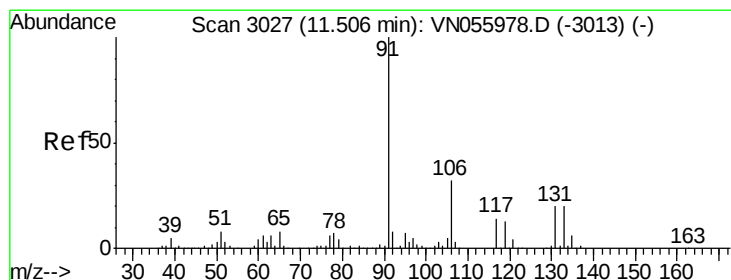
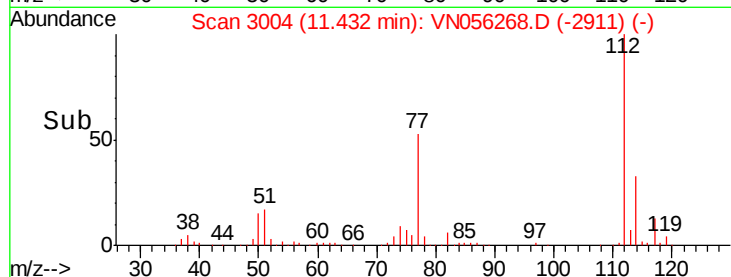
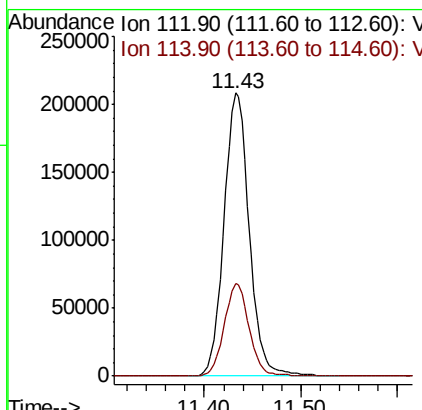
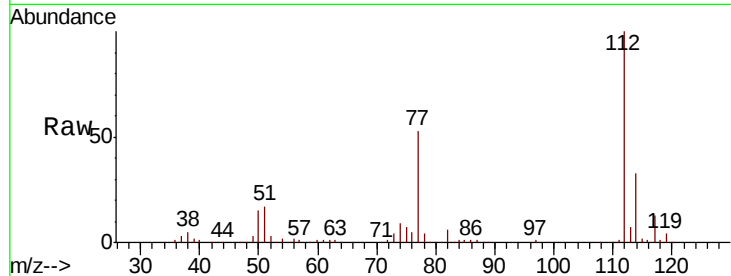




#65
Chlorobenzene
Concen: 50.540 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

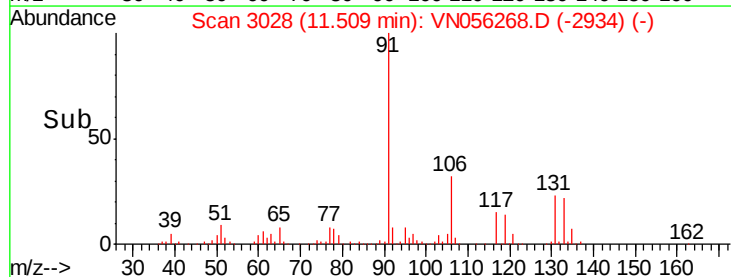
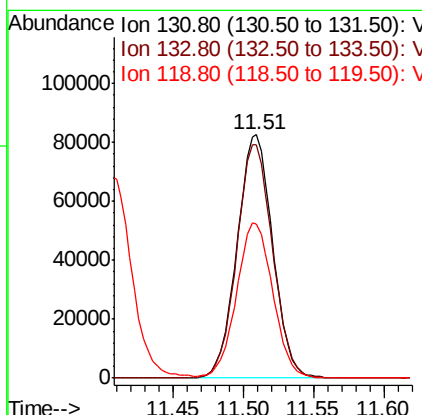
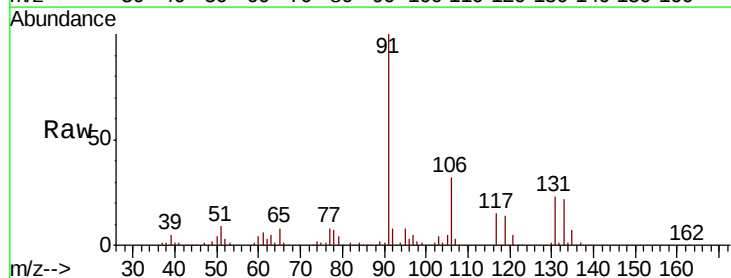
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

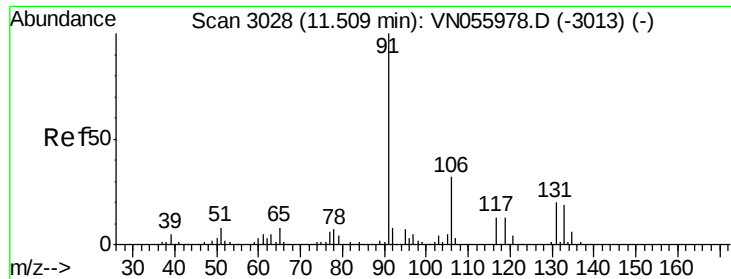
Tot Ion:112 Resp: 377533
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.772 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:131 Resp: 146434
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 65.2 33.1 99.5

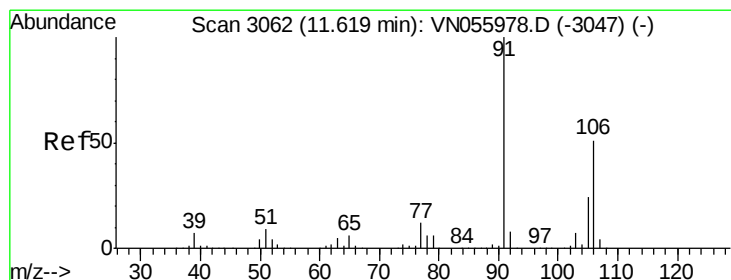
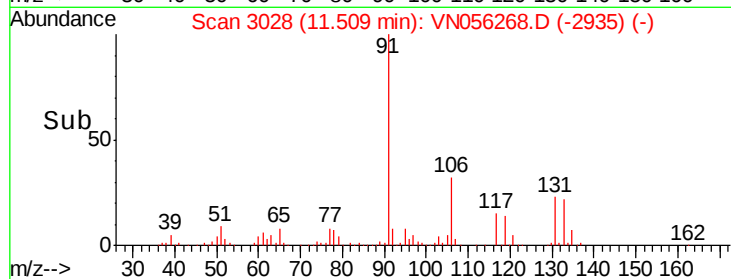
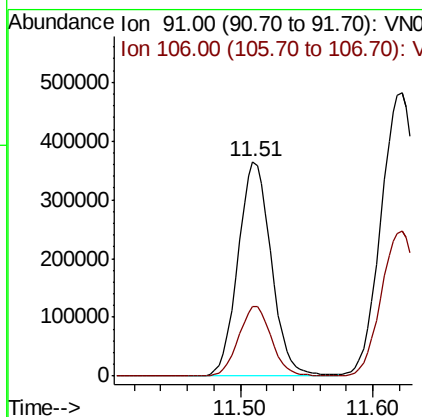
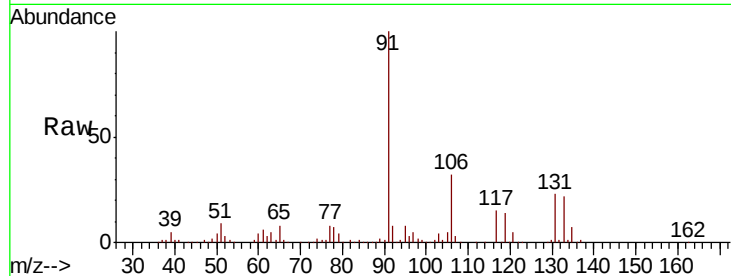




#67
Ethyl Benzene
Concen: 49.014 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

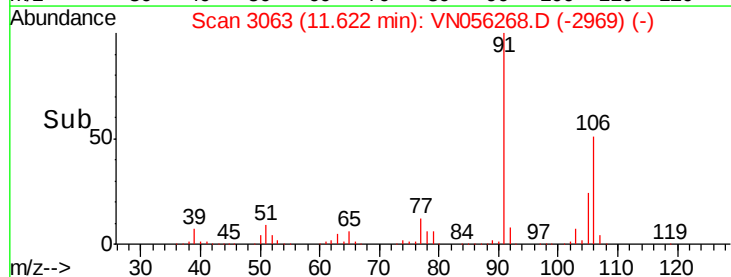
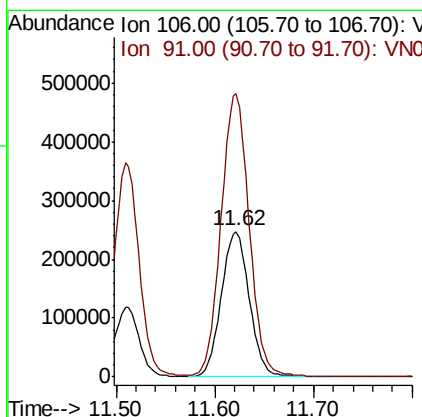
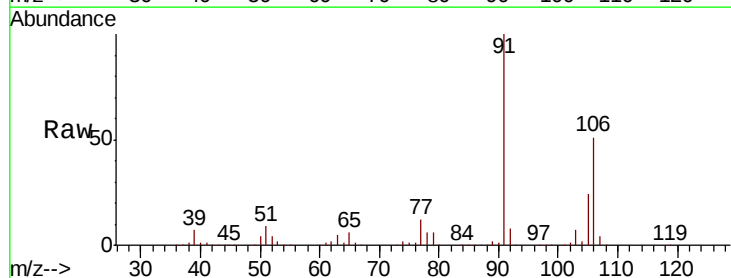
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

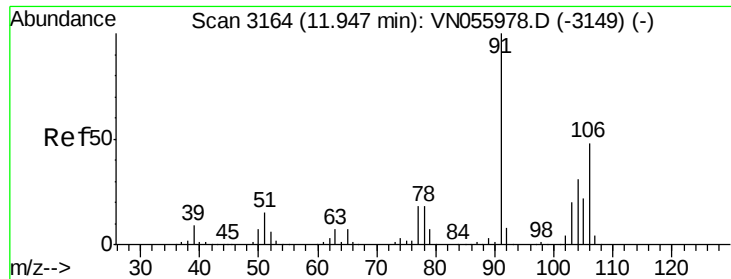
Tot Ion: 91 Resp: 636659
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 99.690 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 106 Resp: 494664
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9

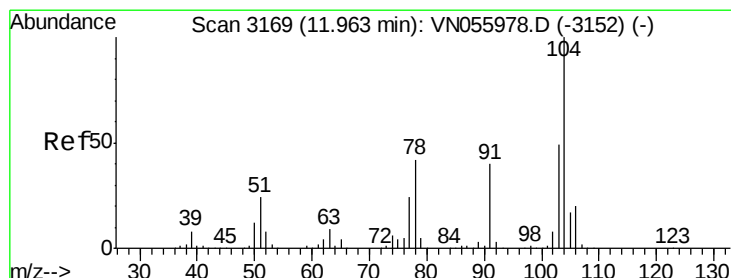
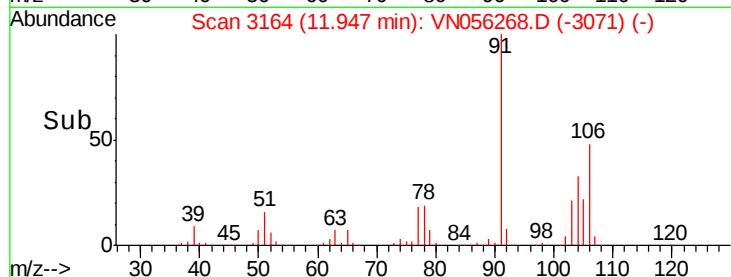
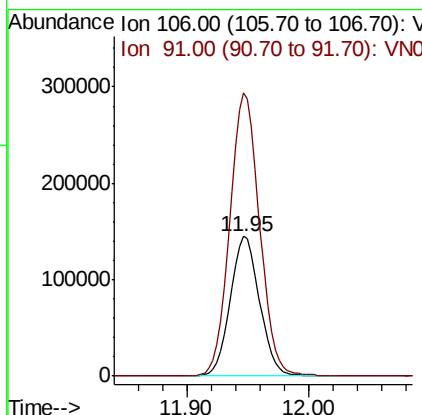
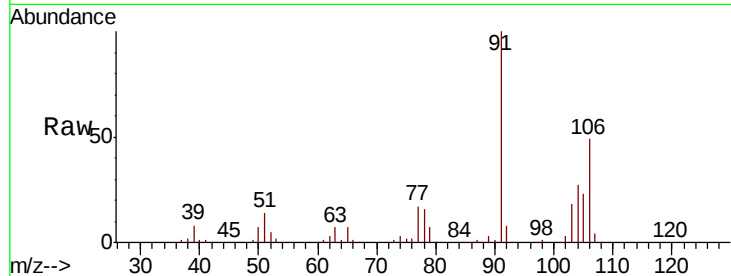




#69
o-Xylene
Concen: 49.873 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

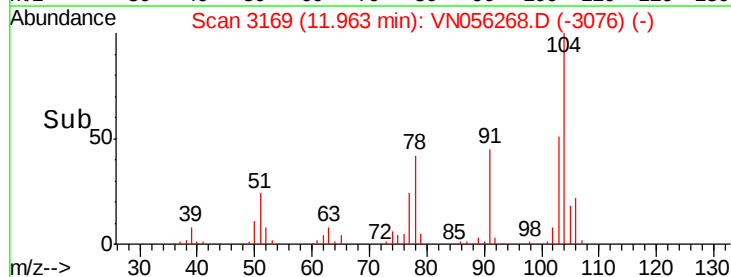
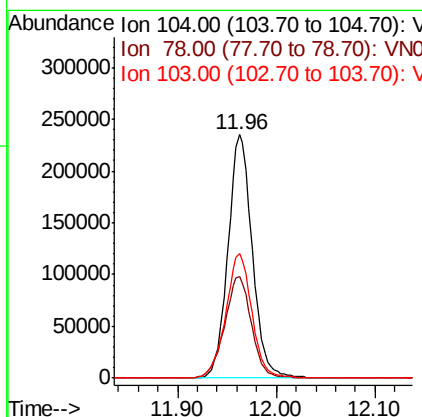
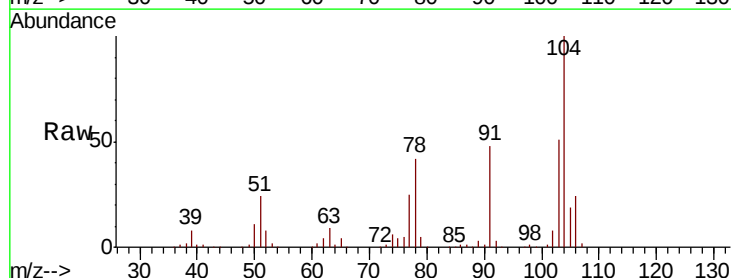
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion:106 Resp: 243426
Ion Ratio Lower Upper
106 100
91 205.4 104.7 314.1



#70
Styrene
Concen: 52.219 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:104 Resp: 404962
Ion Ratio Lower Upper
104 100
78 46.2 37.8 56.6
103 55.1 44.2 66.2

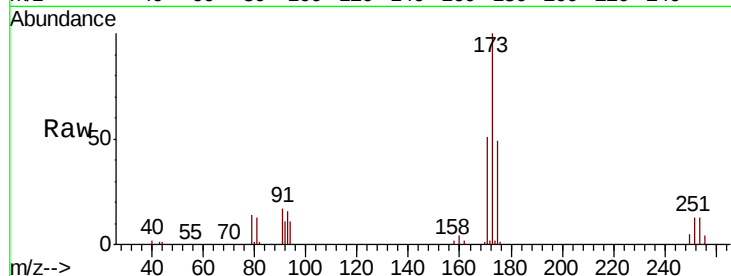




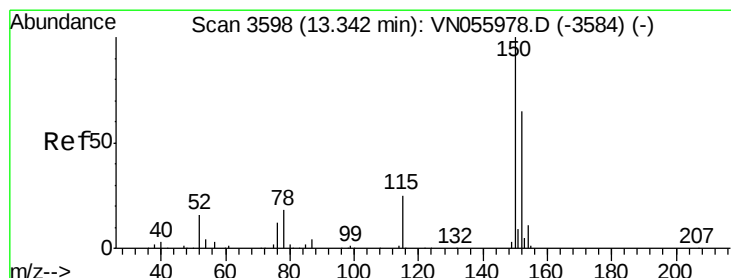
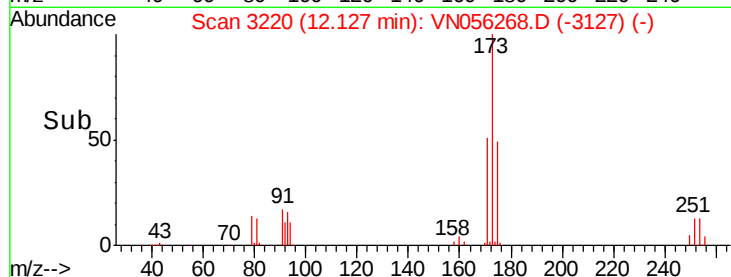
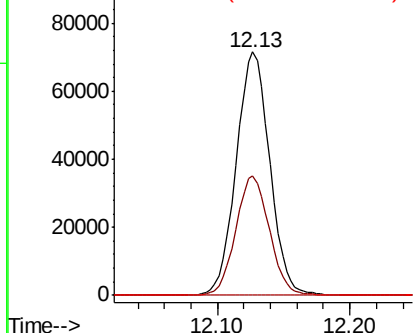
#71
Bromoform
Concen: 57.585 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion:173 Resp: 125653
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0#

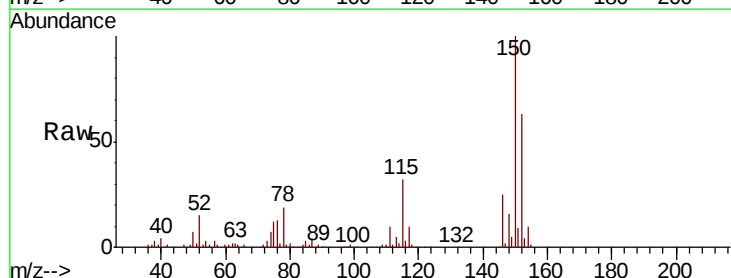


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

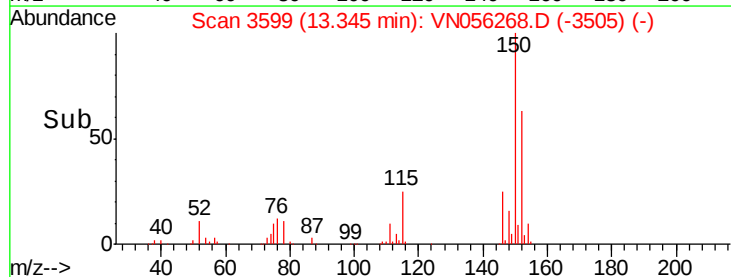
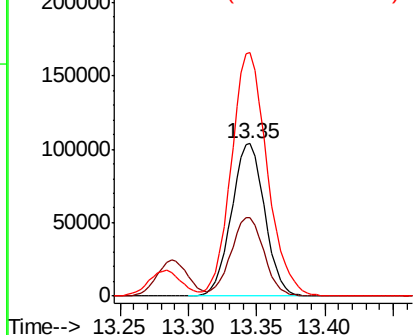


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:152 Resp: 175508
Ion Ratio Lower Upper
152 100
115 51.4 27.0 81.0
150 172.6 0.0 343.2



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: 50.964 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

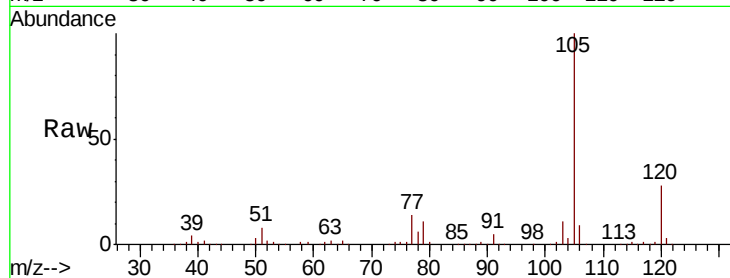
RE104D2-20190607MSD

Tot Ion:105 Resp: 636991

Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

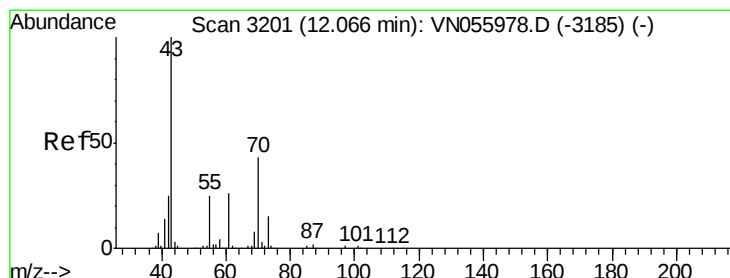
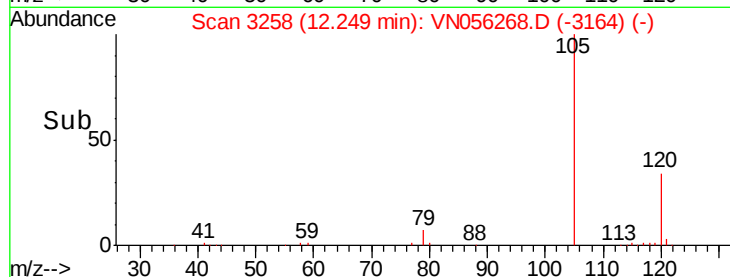
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 38.677 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion: 43 Resp: 180950

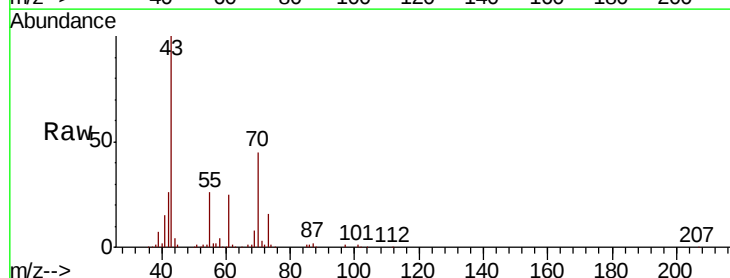
Ion Ratio Lower Upper

43 100

70 45.1 34.0 51.0

55 26.2 18.6 28.0

61 25.2 20.0 30.0



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

12.07

150000

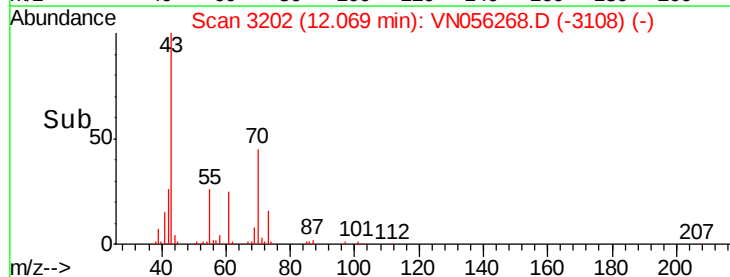
100000

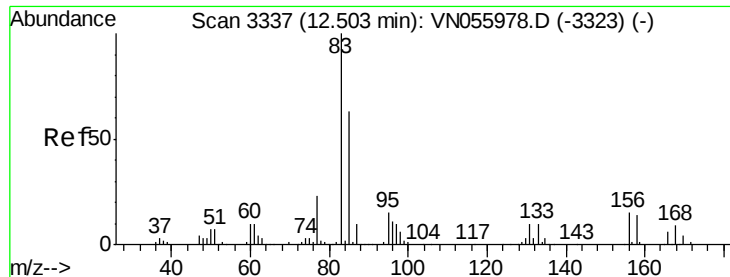
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 49.391 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

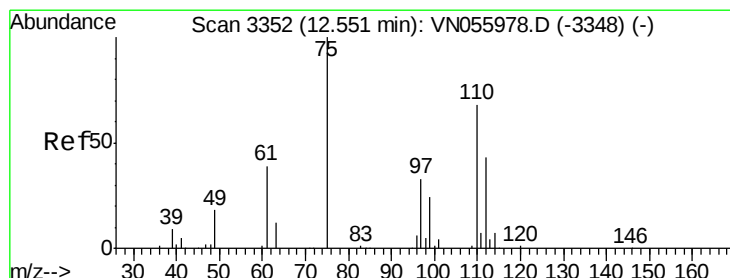
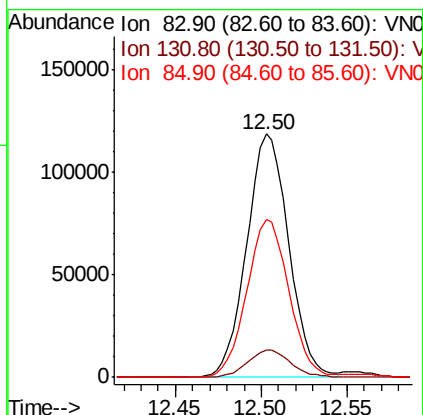
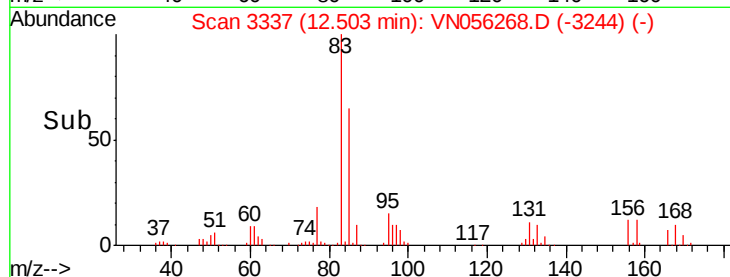
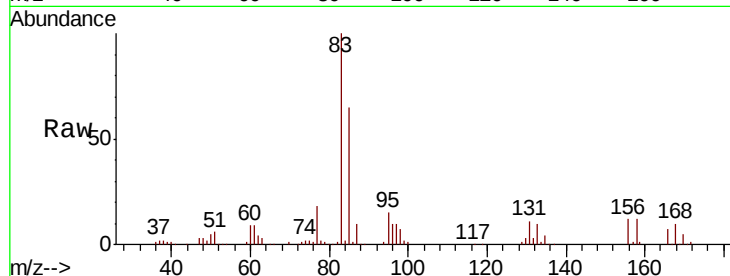
Tot Ion: 83 Resp: 201232

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 64.8 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 68.531 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056268.D

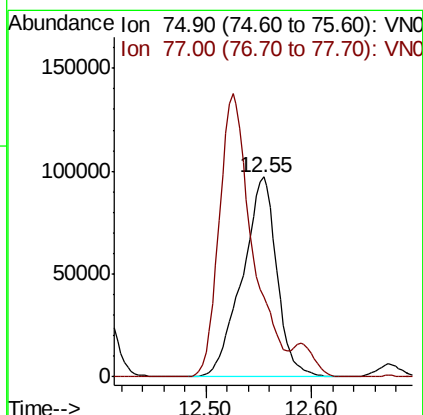
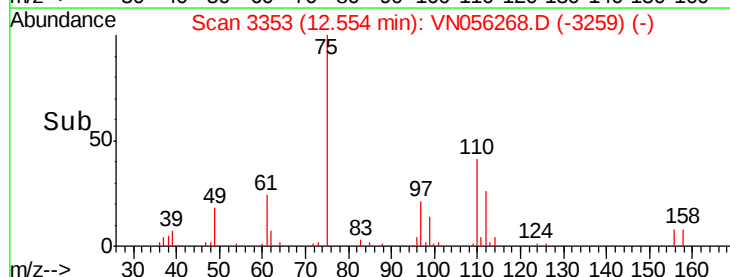
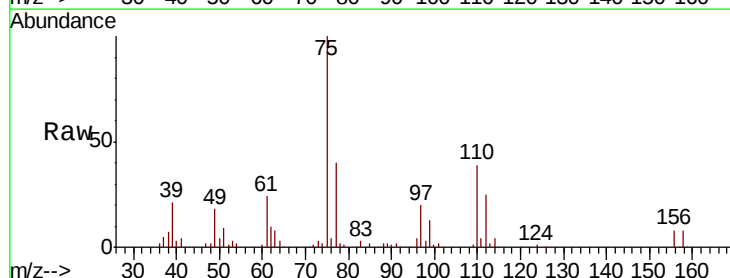
Acq: 12 Jun 2019 22:59

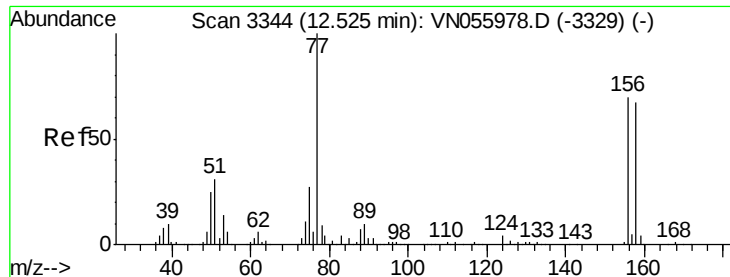
Tgt Ion: 75 Resp: 221317

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

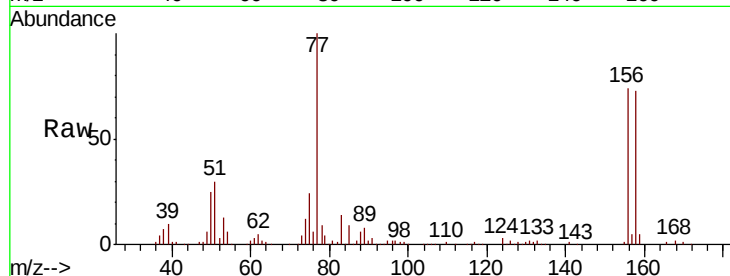
Tot Ion:156 Resp: 184130

Ion Ratio Lower Upper

156 100

77 162.9 90.8 272.5

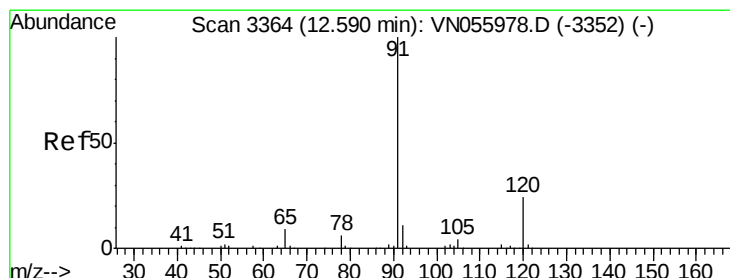
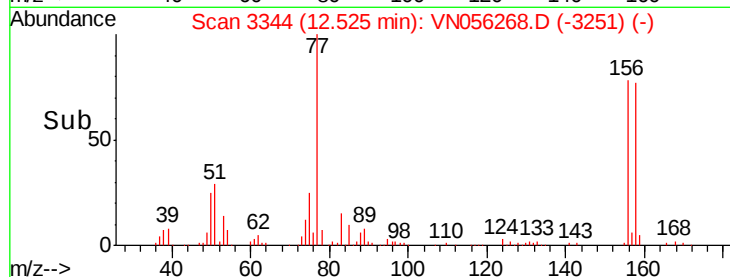
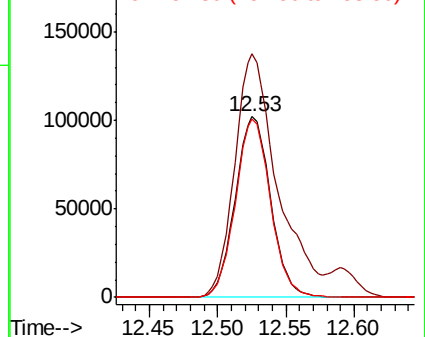
158 97.9 49.3 147.8



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: 45.230 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056268.D

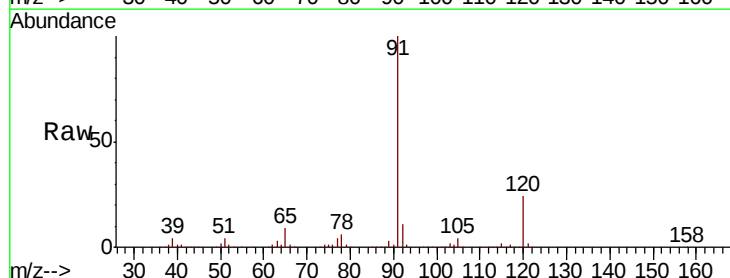
Acq: 12 Jun 2019 22:59

Tgt Ion: 91 Resp: 671574

Ion Ratio Lower Upper

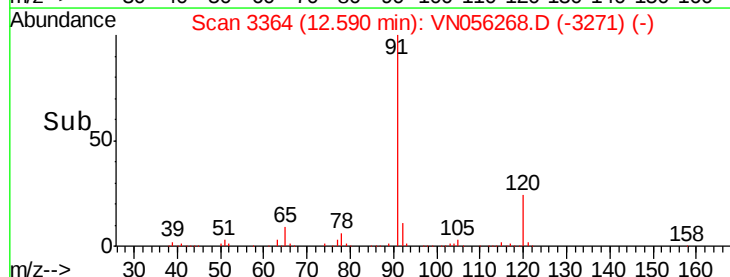
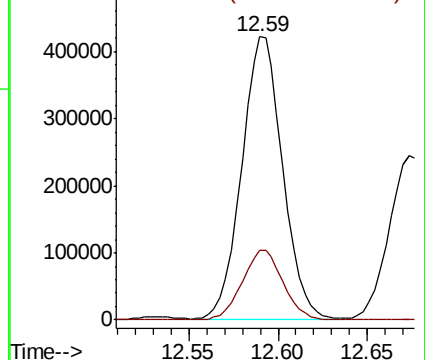
91 100

120 24.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.196 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

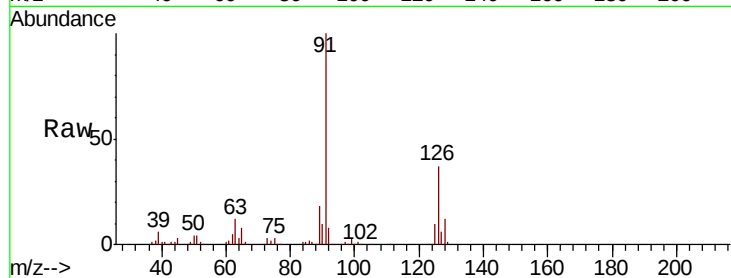
RE104D2-20190607MSD

Tot Ion: 91 Resp: 413318

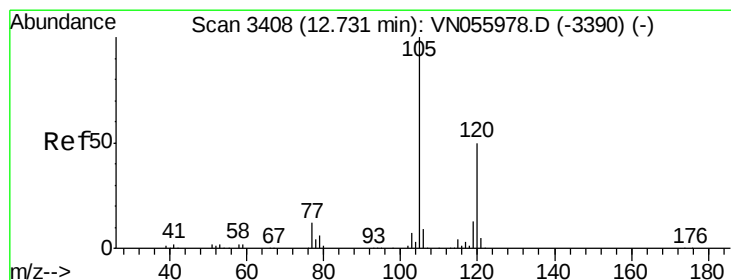
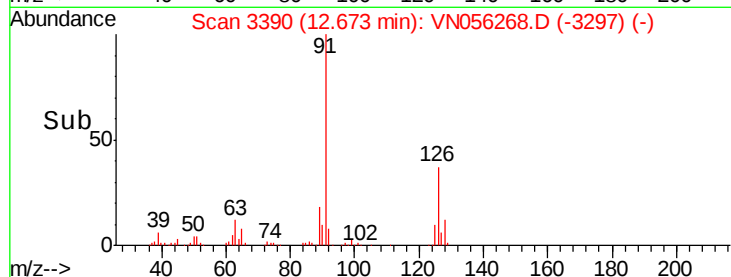
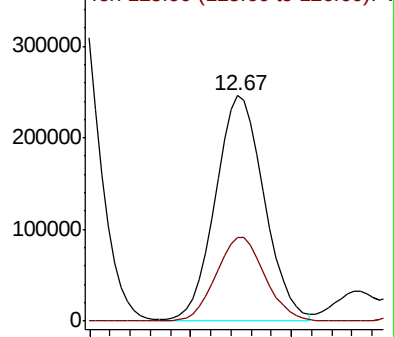
Ion Ratio Lower Upper

91 100

126 37.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.590 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056268.D

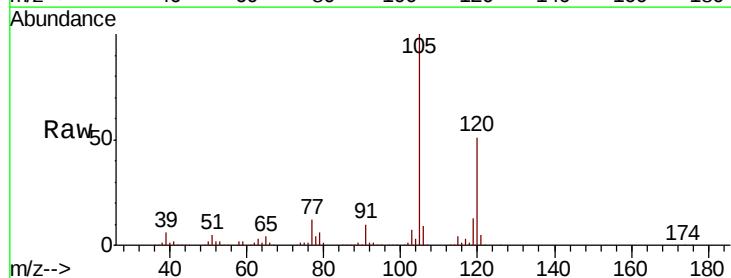
Acq: 12 Jun 2019 22:59

Tgt Ion: 105 Resp: 526177

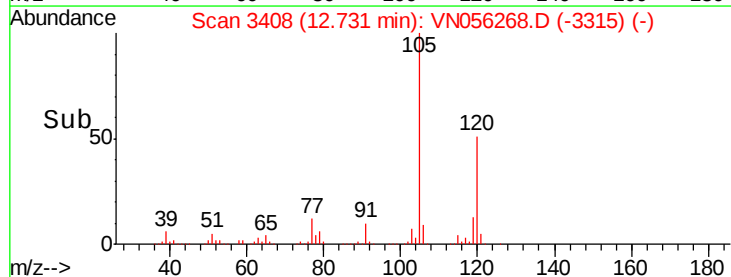
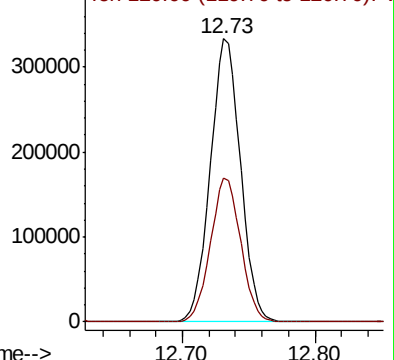
Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.868 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

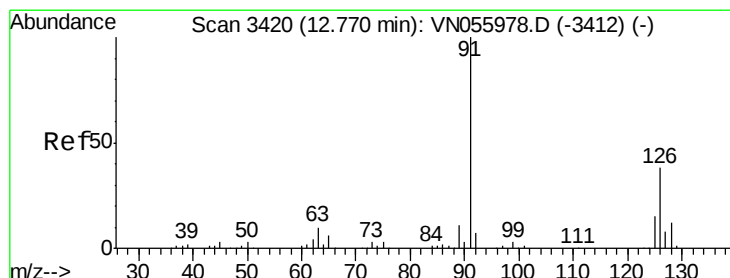
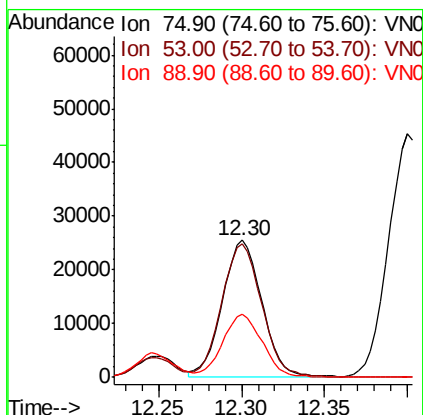
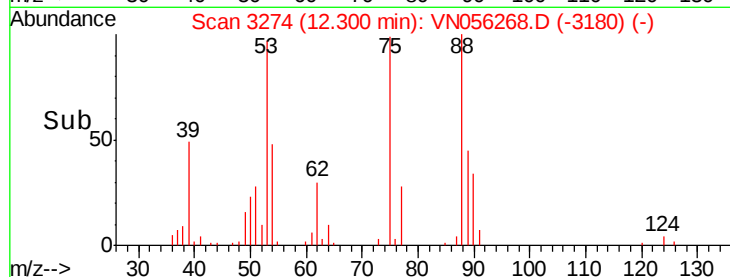
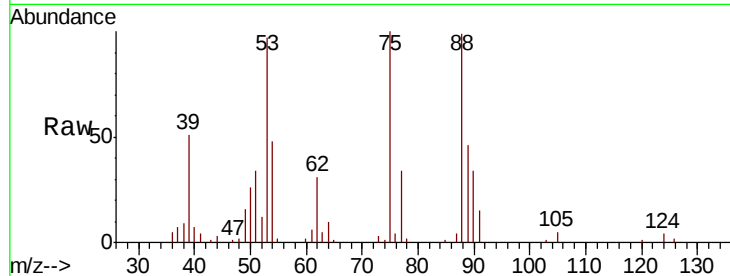
Tot Ion: 75 Resp: 42541

Ion Ratio Lower Upper

75 100

53 98.6 68.1 102.1

89 46.0 36.9 55.3



#82

4-Chlorotoluene

Concen: 45.925 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056268.D

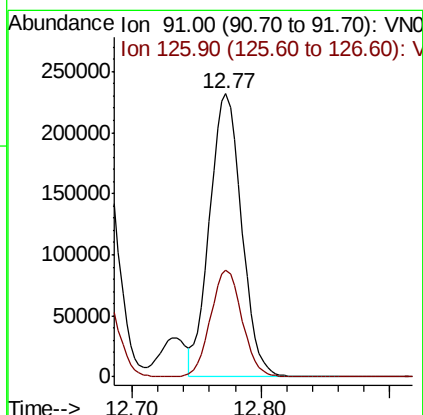
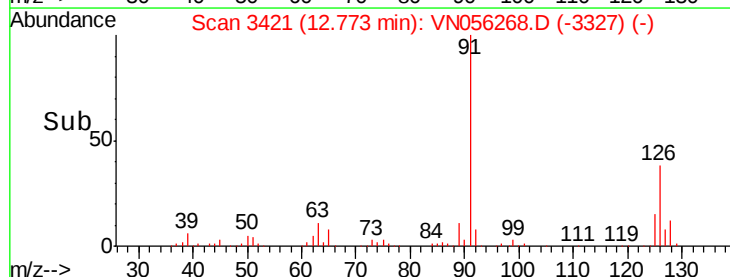
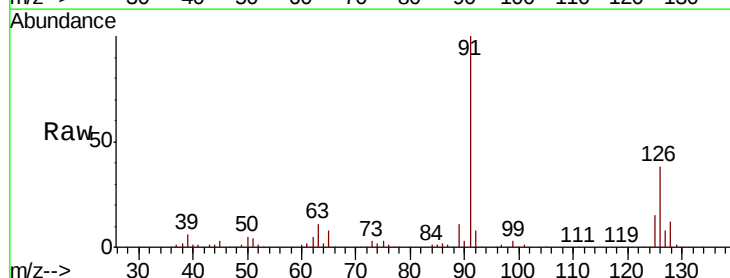
Acq: 12 Jun 2019 22:59

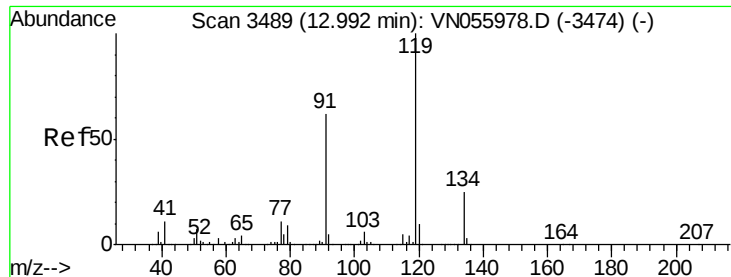
Tgt Ion: 91 Resp: 398937

Ion Ratio Lower Upper

91 100

126 37.2 17.8 53.3

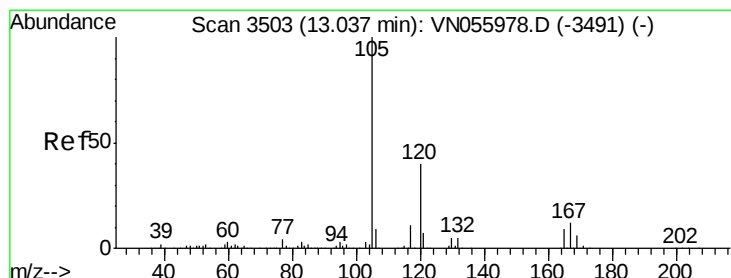
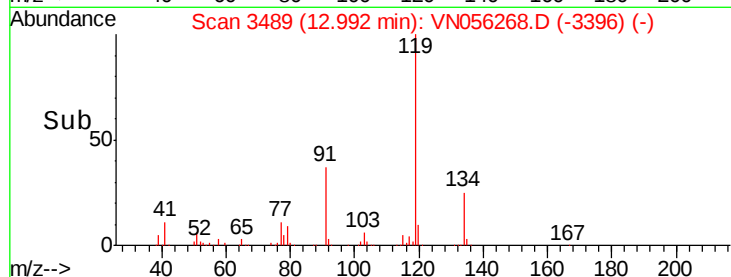
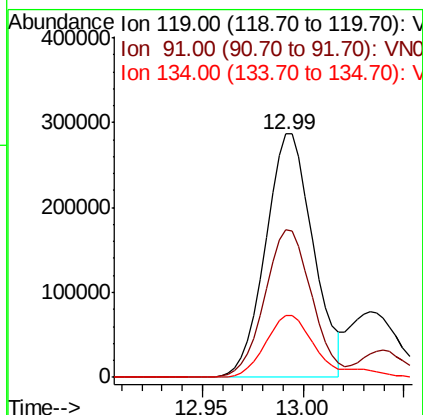
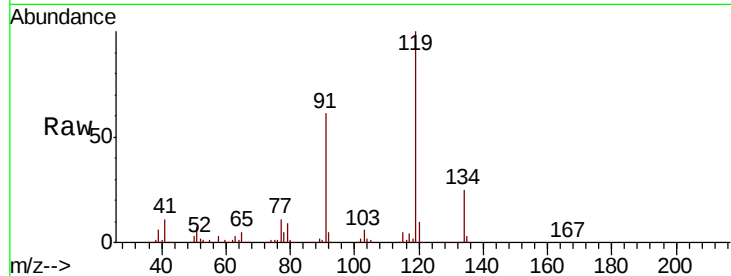




#83
tert-Butylbenzene
Concen: 51.400 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

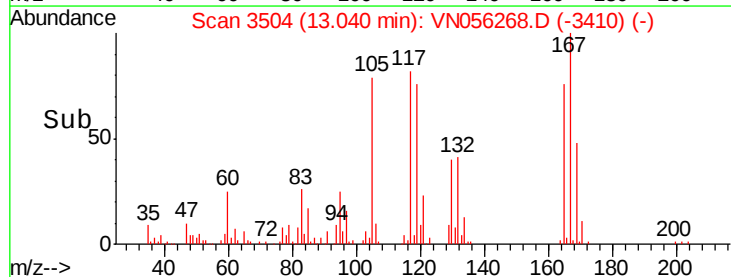
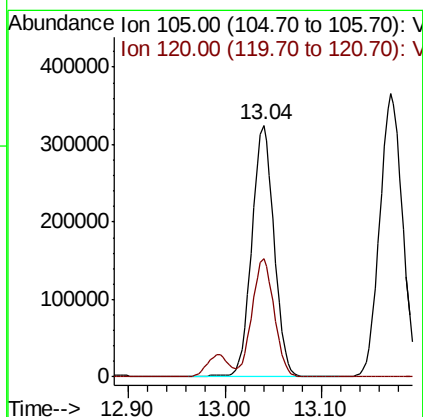
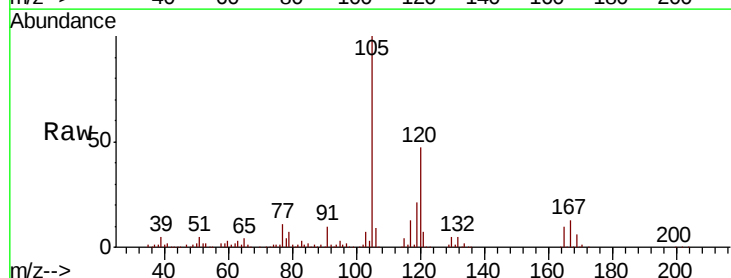
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

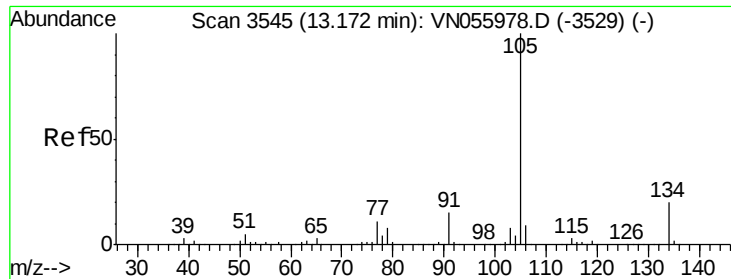
Tot Ion:119 Resp: 469910
Ion Ratio Lower Upper
119 100
91 60.0 30.9 92.8
134 28.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 46.355 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:105 Resp: 518731
Ion Ratio Lower Upper
105 100
120 46.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 45.363 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

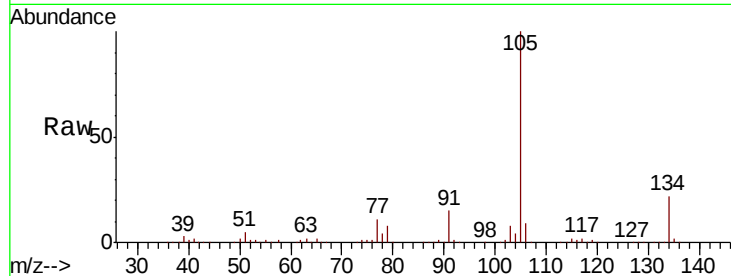
RE104D2-20190607MSD

Tot Ion:105 Resp: 596490

Ion Ratio Lower Upper

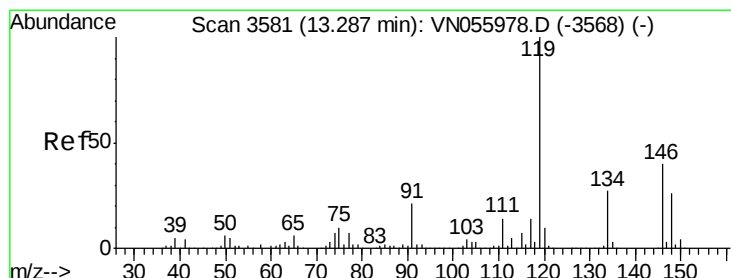
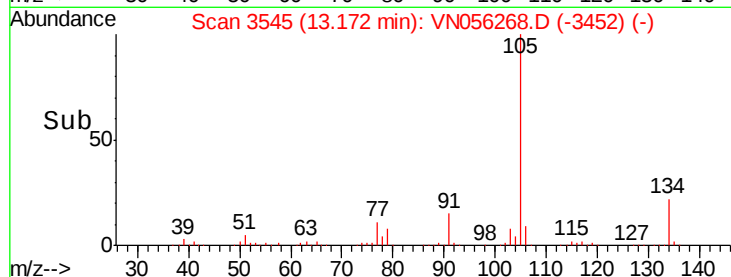
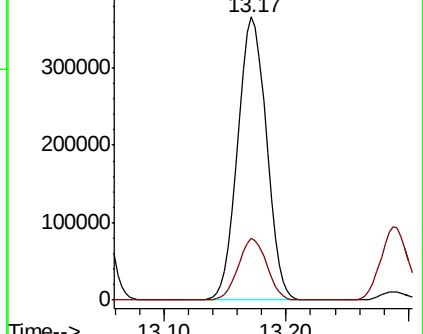
105 100

134 21.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.105 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

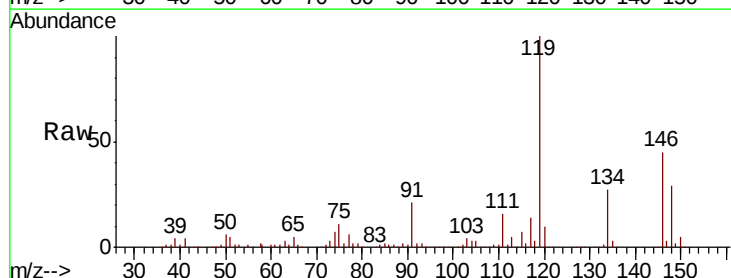
Tgt Ion:119 Resp: 542567

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

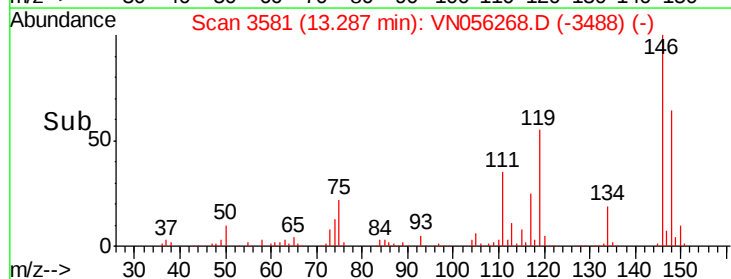
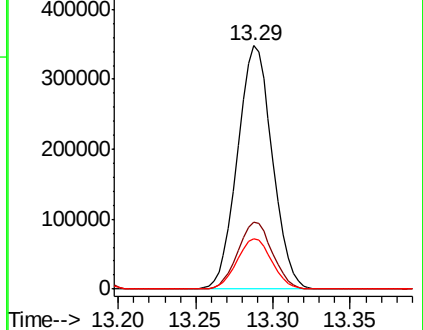
91 20.9 10.9 32.9

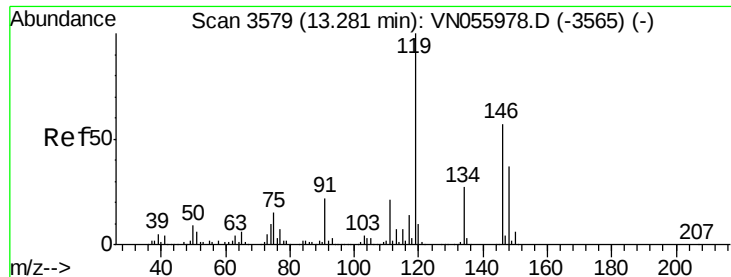


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

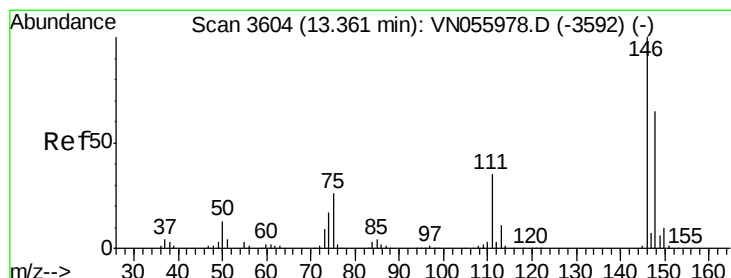
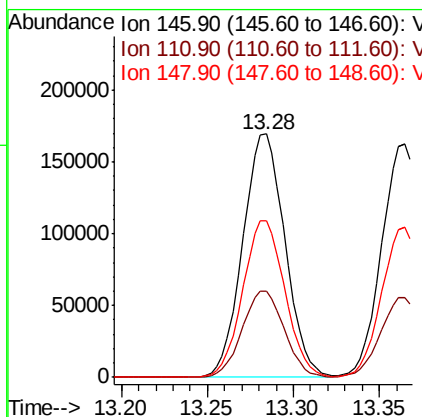
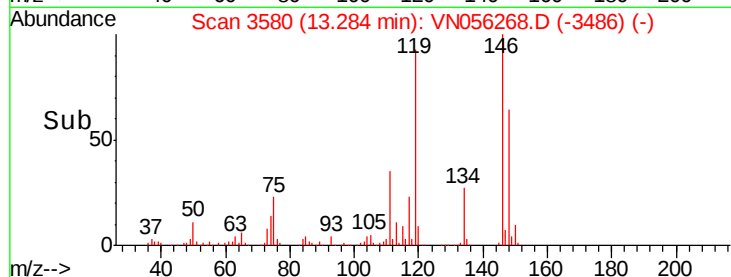
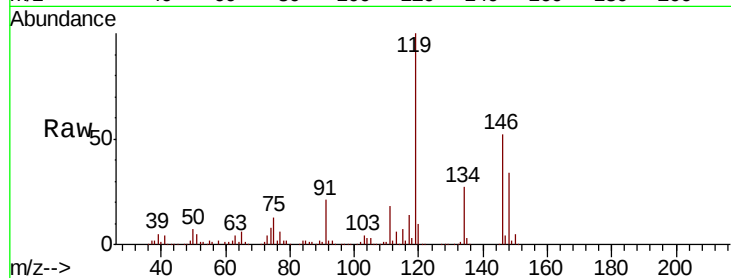




#87
 1,3-Dichlorobenzene
 Concen: 49.593 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

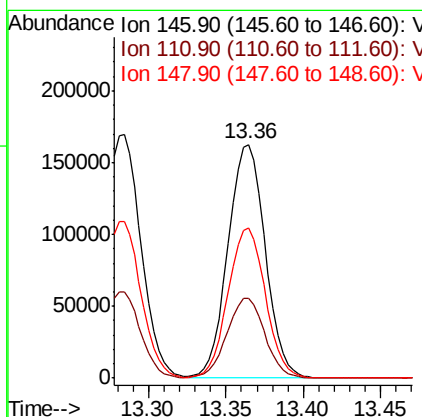
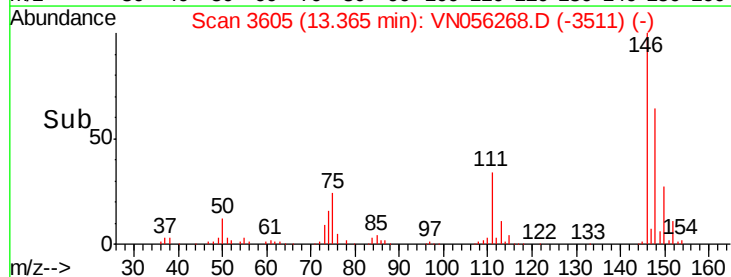
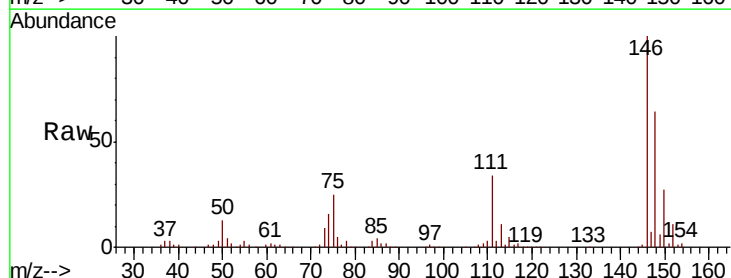
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

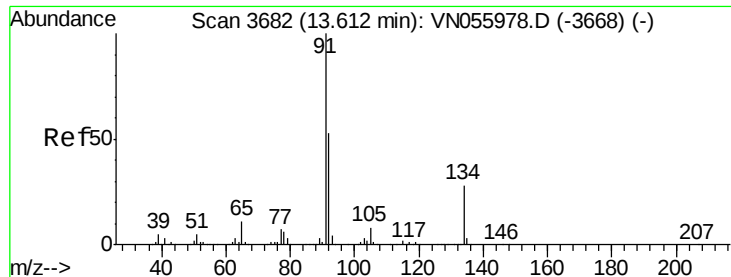
Tot Ion:146 Resp: 288418
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.5 55.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.656 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion:146 Resp: 272201
 Ion Ratio Lower Upper
 146 100
 111 34.7 18.1 54.4
 148 64.2 32.1 96.5

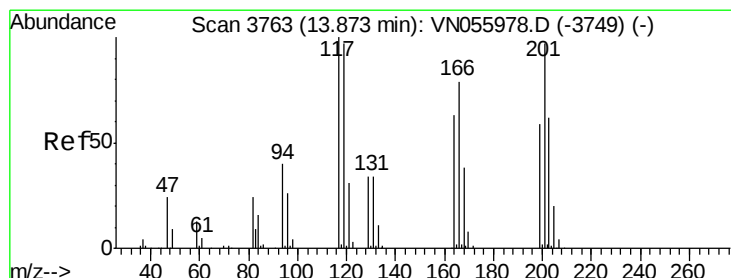
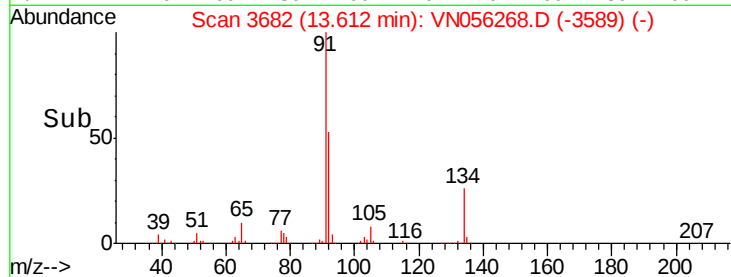
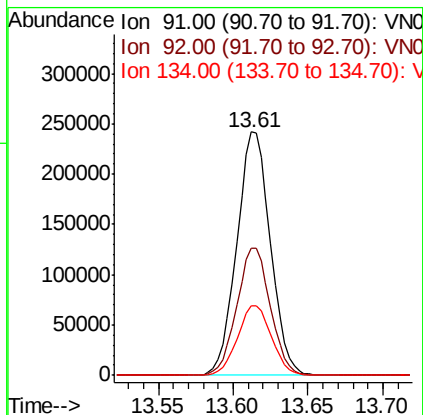
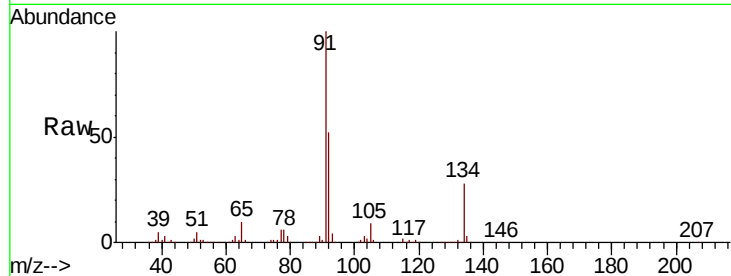




#89
n-Butylbenzene
Concen: 43.285 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

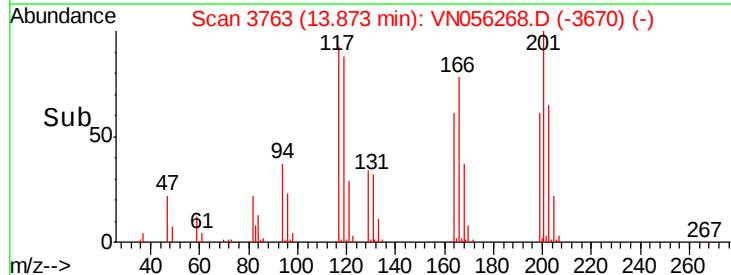
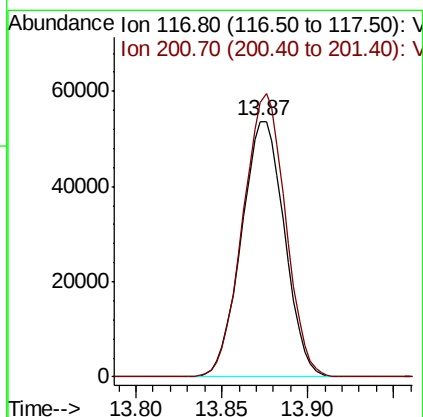
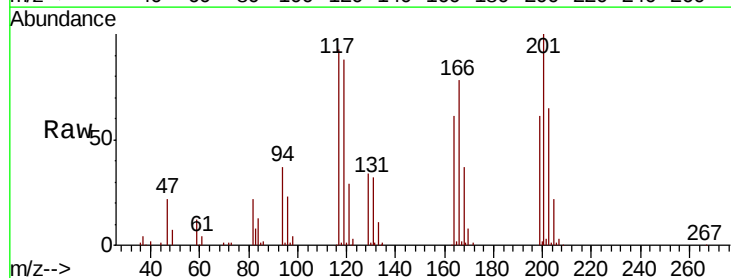
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

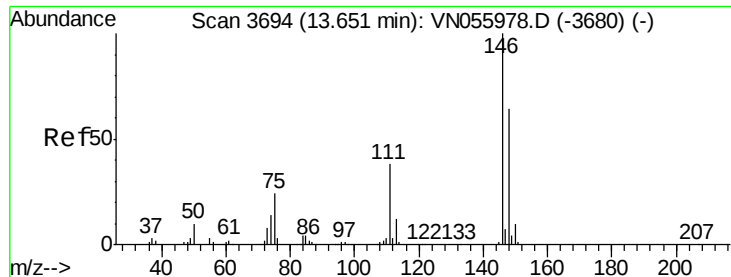
Tot Ion: 91 Resp: 377343
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.0
134 28.9 13.9 41.7



#90
Hexachloroethane
Concen: 52.512 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 117 Resp: 93194
Ion Ratio Lower Upper
117 100
201 109.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 49.395 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

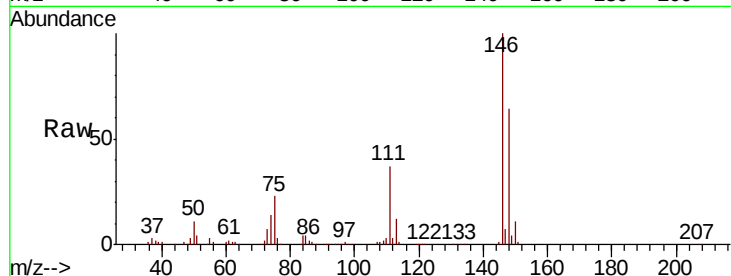
Tot Ion:146 Resp: 290027

Ion Ratio Lower Upper

146 100

111 36.9 19.1 57.5

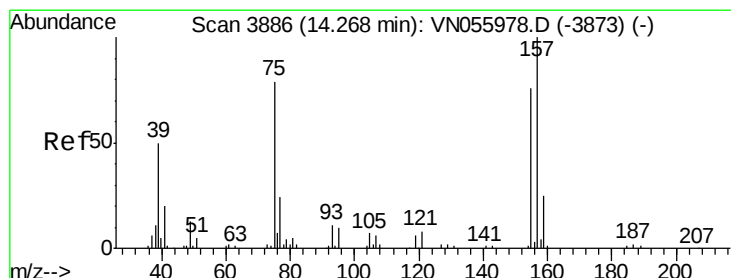
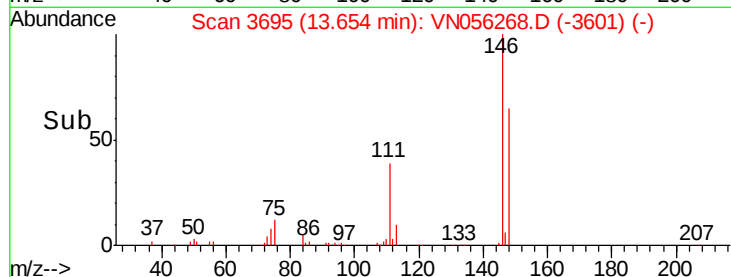
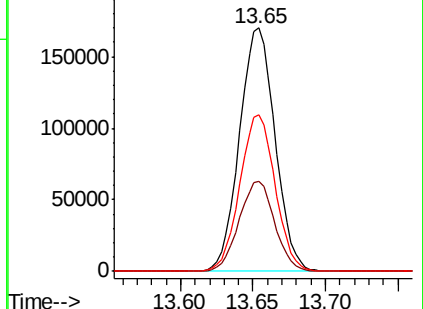
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.034 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

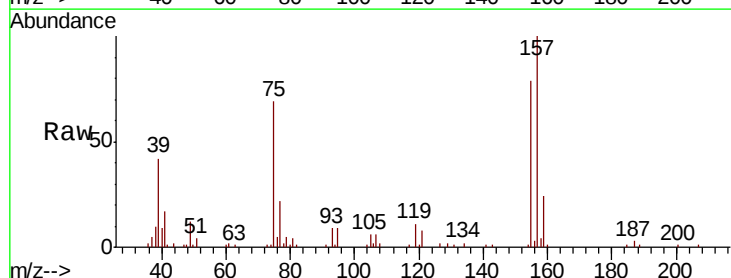
Tgt Ion: 75 Resp: 31488

Ion Ratio Lower Upper

75 100

155 116.0 50.0 150.1

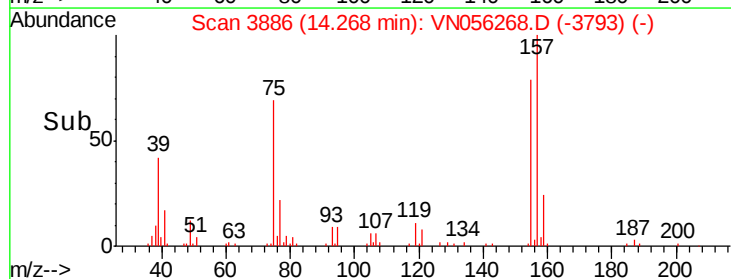
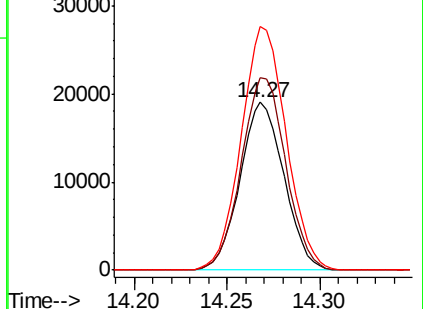
157 148.7 64.8 194.3



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

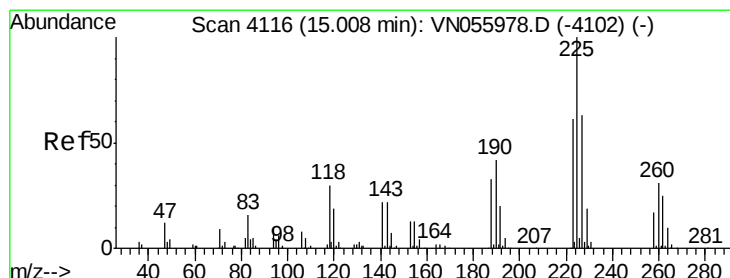
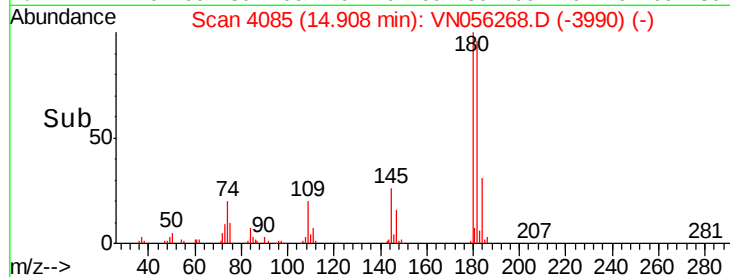
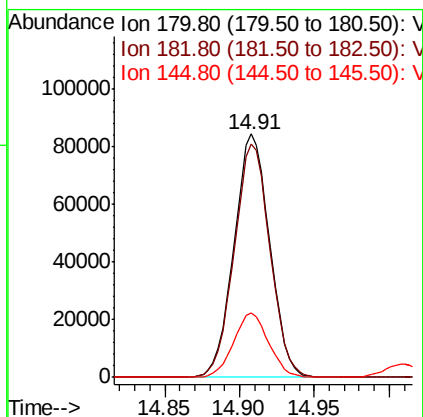
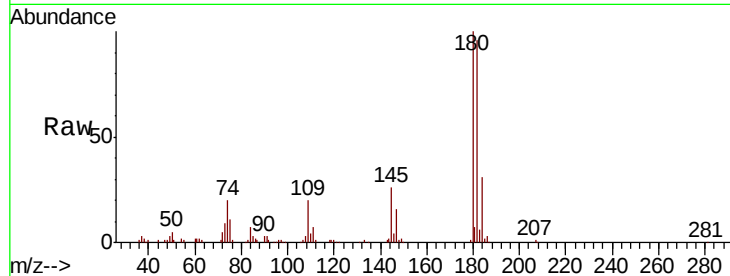




#93
 1,2,4-Trichlorobenzene
 Concen: 43.626 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

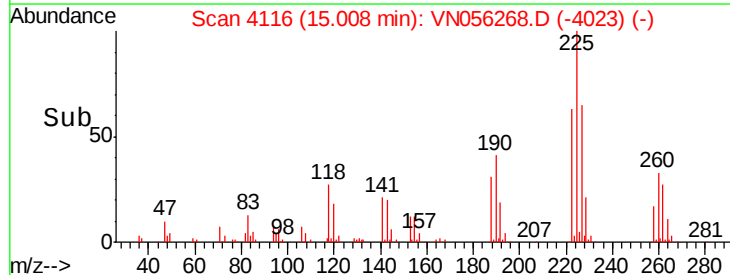
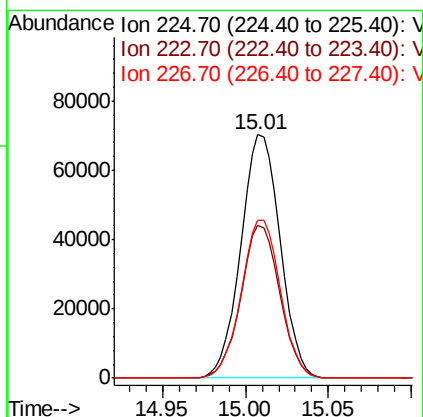
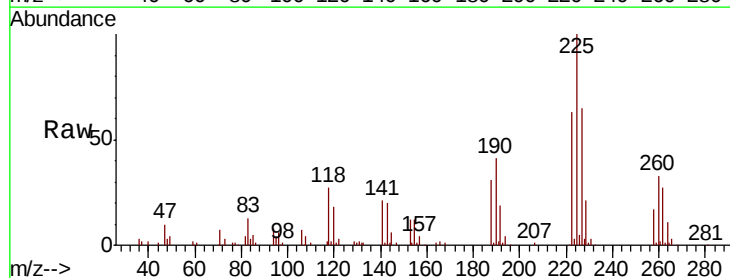
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

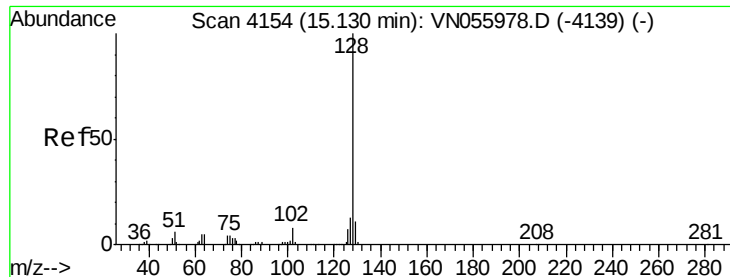
Tot Ion:180 Resp: 139231
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 26.1 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 57.952 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion:225 Resp: 116038
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.7
 227 64.6 31.6 94.7





#95

Naphthalene

Concen: 42.834 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

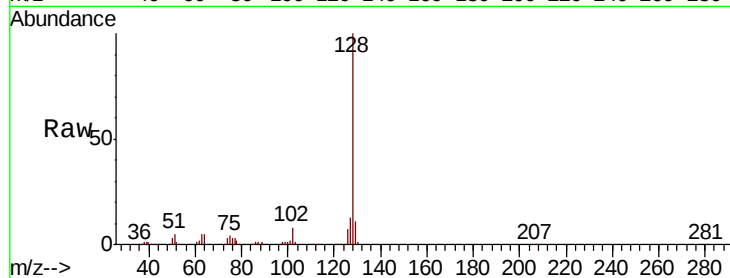
Tot Ion:128 Resp: 354558

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

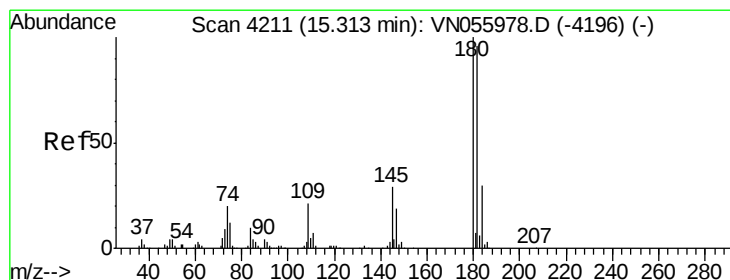
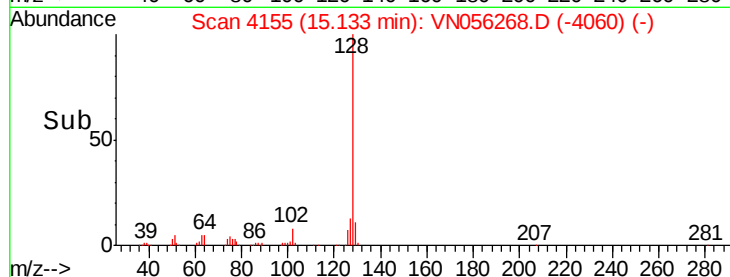
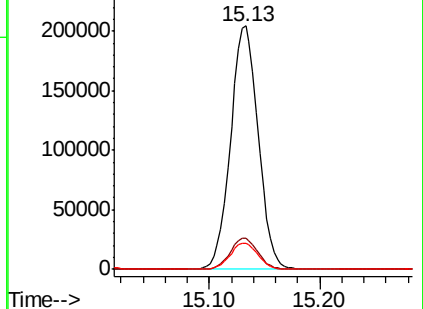
129 10.8 8.7 13.1



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: 48.390 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

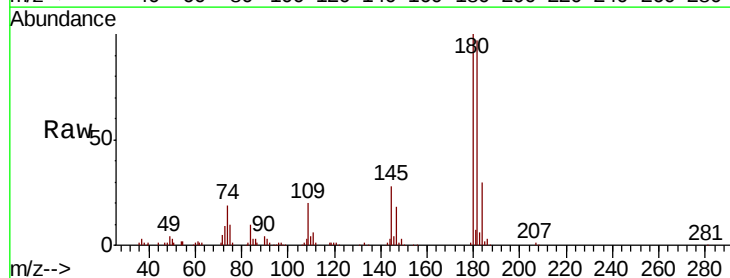
Tgt Ion:180 Resp: 159221

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 28.1 14.9 44.7



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

