

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060322.D
 Acq On : 3 Mar 2020 12:26
 Operator : JC/MD
 Sample : L1161-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 03:05:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 03:02:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	126140	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.57	113	88261	57.98	ug/l	0.00
Spiked Amount			Recovery	=	115.96%	
50) Toluene-d8	10.08	98	358778	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.40	95	126475	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	749	0.414	ug/l	84
3) Chloromethane	2.04	50	1994	0.633	ug/l	93
4) Vinyl Chloride	2.16	62	1287	0.476	ug/l	94
5) Bromomethane	2.55	94	530	0.446	ug/l #	71
6) Chloroethane	2.69	64	653	0.446	ug/l #	40
7) Trichlorofluoromethane	3.00	101	1425	0.413	ug/l	92
8) Diethyl Ether	3.39	74	440	0.337	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	447	0.229	ug/l #	84
10) Methyl Iodide	3.93	142	844	0.473	ug/l #	56
11) Tert butyl alcohol	4.74	59	636	1.691	ug/l #	73
12) 1,1-Dichloroethene	3.71	96	1113	0.536	ug/l #	62
13) Acrolein	3.59	56	143	0.407	ug/l	92
14) Allyl chloride	4.30	41	1880	0.537	ug/l #	85
15) Acrylonitrile	4.95	53	1653	1.667	ug/l #	73
16) Acetone	3.79	43	2332	2.850	ug/l	93
17) Carbon Disulfide	4.03	76	3014	0.512	ug/l #	75
19) Methyl tert-butyl Ether	5.01	73	3832	0.556	ug/l #	91
20) Methylene Chloride	4.52	84	1031	0.459	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	1068	0.454	ug/l #	72
22) Diisopropyl ether	5.92	45	3129	0.442	ug/l #	86
23) Vinyl Acetate	5.87	43	11547	2.051	ug/l	96
24) 1,1-Dichloroethane	5.82	63	1677	0.418	ug/l #	84
25) 2-Butanone	6.81	43	3095	2.342	ug/l	93
26) 2,2-Dichloropropane	6.80	77	1678	0.460	ug/l #	61
27) cis-1,2-Dichloroethene	6.80	96	1295	0.497	ug/l	76
28) Bromochloromethane	7.17	49	757	0.460	ug/l #	69
29) Tetrahydrofuran	7.19	42	2118	2.305	ug/l #	68
30) Chloroform	7.35	83	1980	0.496	ug/l	85
31) Cyclohexane	7.64	56	5958	1.602	ug/l #	29
32) 1,1,1-Trichloroethane	7.54	97	1444	0.408	ug/l #	46
36) 1,1-Dichloropropene	7.77	75	1397	0.447	ug/l #	77
38) Carbon Tetrachloride	7.74	117	1399	0.460	ug/l #	72
39) Methylcyclohexane	9.07	83	1378	0.374	ug/l #	91
40) Benzene	8.02	78	4174	0.459	ug/l	99

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Instrument :
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Quant Time: Mar 04 03:05:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 03:02:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.14	41	403	0.295	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	1653	0.504	ug/l #	76
43) Isopropyl Acetate	8.14	43	2304	0.445	ug/l #	74
44) Trichloroethene	8.82	130	1194	0.471	ug/l	78
45) 1,2-Dichloropropane	9.11	63	962	0.404	ug/l #	44
47) Bromodichloromethane	9.39	83	1290	0.411	ug/l #	93
48) Methyl methacrylate	9.18	41	949	0.402	ug/l	86
49) 1,4-Dioxane	9.18	88	100	3.010	ug/l #	22
51) 4-Methyl-2-Pentanone	9.97	43	6338	2.157	ug/l	97
52) Toluene	10.14	92	2516	0.440	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	1649	0.429	ug/l #	77
54) cis-1,3-Dichloropropene	9.82	75	1899	0.476	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	1094	0.476	ug/l	97
56) Ethyl methacrylate	10.42	69	1189	0.360	ug/l #	64
57) 1,3-Dichloropropane	10.70	76	1615	0.431	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	3505	2.030	ug/l	93
59) 2-Hexanone	10.74	43	4391	2.036	ug/l	95
60) Dibromochloromethane	10.89	129	920	0.394	ug/l	82
61) 1,2-Dibromoethane	11.00	107	859	0.383	ug/l	97
64) Tetrachloroethene	10.63	164	1353	0.523	ug/l	92
65) Chlorobenzene	11.43	112	2631	0.448	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	825	0.380	ug/l #	62
67) Ethyl Benzene	11.51	91	4778	0.446	ug/l	94
68) m/p-Xylenes	11.62	106	3396	0.841	ug/l	97
69) o-Xylene	11.94	106	1605	0.417	ug/l	100
70) Styrene	11.96	104	2535	0.400	ug/l	94
71) Bromoform	12.12	173	486	0.310	ug/l #	29
73) Isopropylbenzene	12.25	105	4431	0.463	ug/l	99
74) N-amyl acetate	12.06	43	2012	0.481	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	1183	0.455	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	2074	0.732	ug/l #	100
77) Bromobenzene	12.52	156	948	0.404	ug/l	60
78) n-propylbenzene	12.59	91	5214	0.465	ug/l	97
79) 2-Chlorotoluene	12.67	91	3240	0.491	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3669	0.455	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	65458	63.798	ug/l #	8
82) 4-Chlorotoluene	12.77	91	3401	0.490	ug/l	96
83) tert-Butylbenzene	12.99	119	3372	0.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3649	0.449	ug/l	97
85) sec-Butylbenzene	13.17	105	4137	0.443	ug/l	99
86) p-Isopropyltoluene	13.29	119	3930	0.455	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	2031	0.461	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	2031	0.463	ug/l	98
89) n-Butylbenzene	13.61	91	3644	0.459	ug/l	94
90) Hexachloroethane	13.87	117	362	0.289	ug/l #	38
91) 1,2-Dichlorobenzene	13.65	146	1949	0.474	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	261	0.443	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1519	0.521	ug/l	82
94) Hexachlorobutadiene	15.01	225	567	0.410	ug/l	96
95) Naphthalene	15.13	128	4097	0.487	ug/l #	93

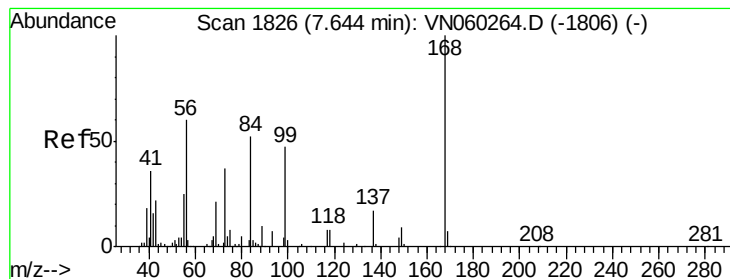
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Quant Title : SW846 8260
QLast Update : Wed Mar 04 03:02:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	1473	0.537	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

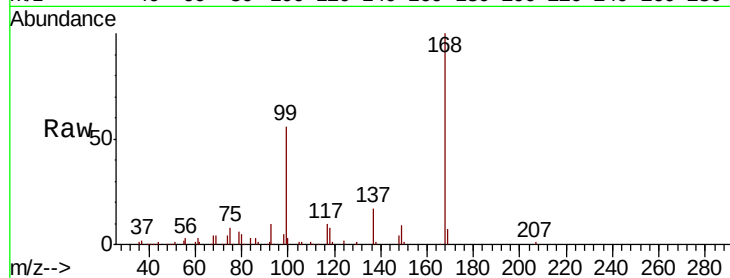
ClientSampled :

Tot Ion:168 Resp: 197455

Ion Ratio Lower Upper

168 100

99 56.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

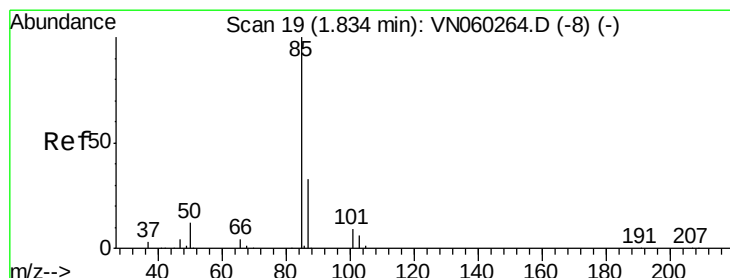
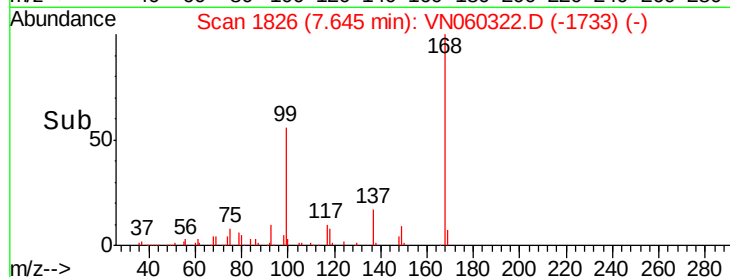
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.414 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN060322.D

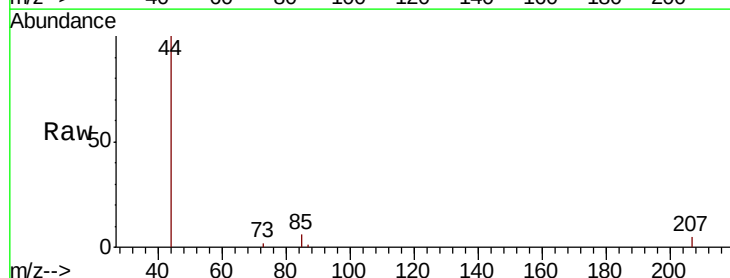
Acq: 3 Mar 2020 12:26

Tgt Ion: 85 Resp: 749

Ion Ratio Lower Upper

85 100

87 23.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

600

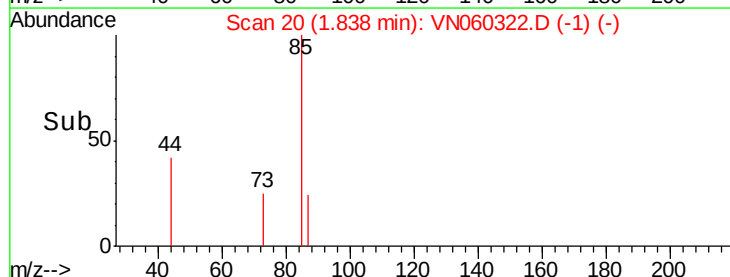
400

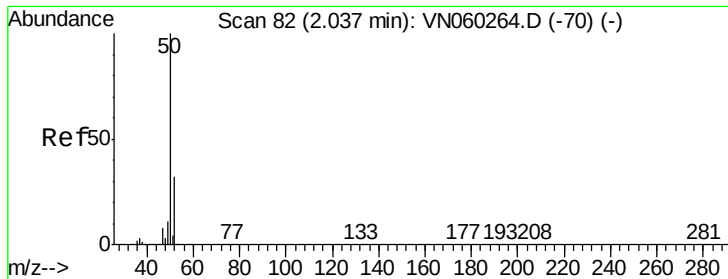
200

0

1.80 1.82 1.84 1.86

Time-->





#3

Chloromethane

Concen: 0.633 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

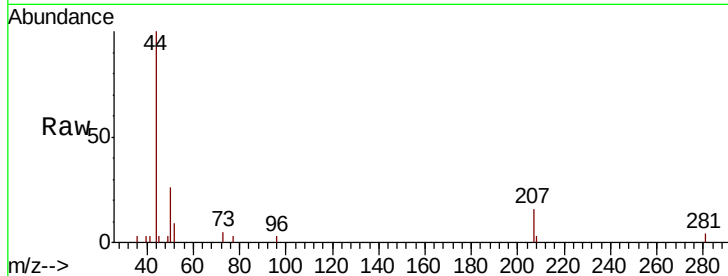
ClientSampleId :

Tot Ion: 50 Resp: 1994

Ion Ratio Lower Upper

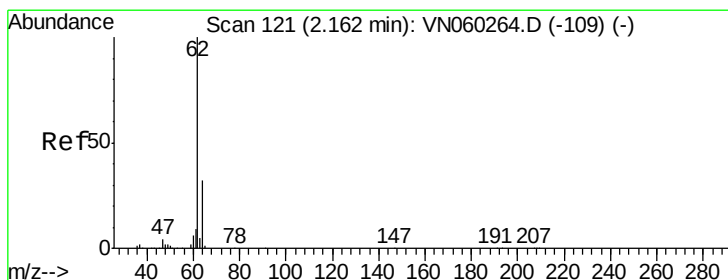
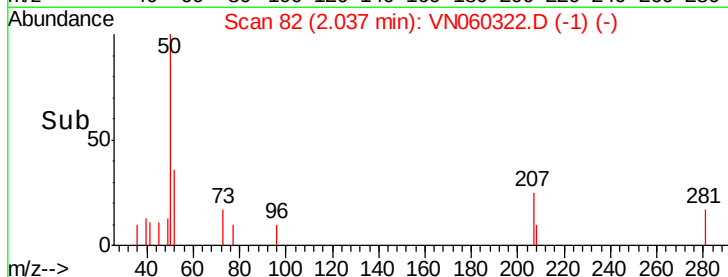
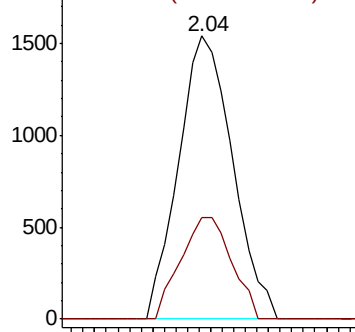
50 100

52 35.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.476 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060322.D

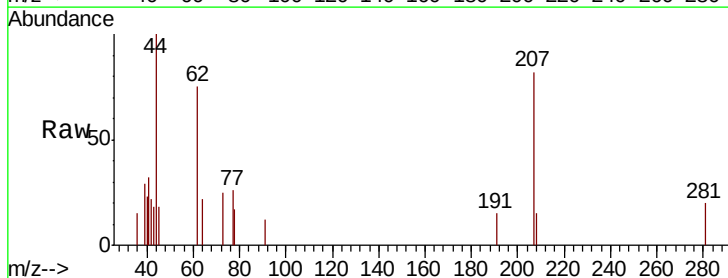
Acq: 3 Mar 2020 12:26

Tgt Ion: 62 Resp: 1287

Ion Ratio Lower Upper

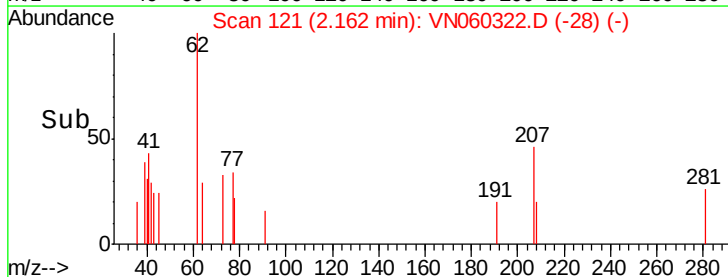
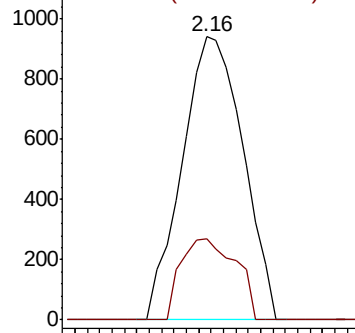
62 100

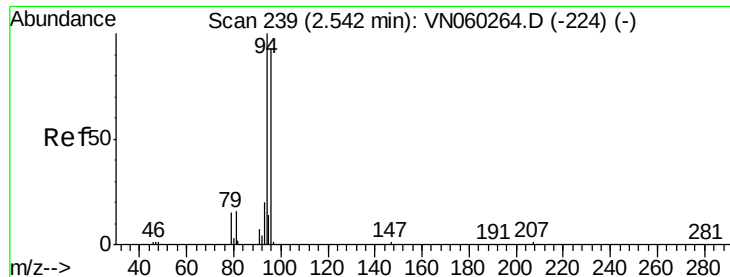
64 28.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.446 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

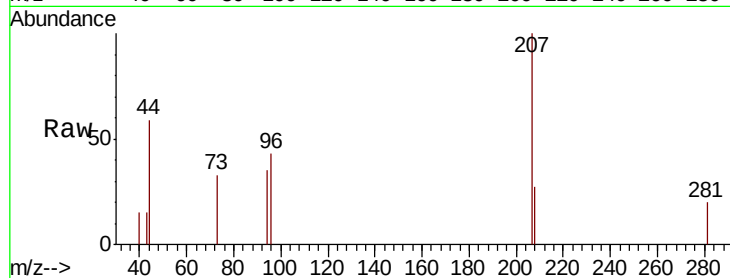
ClientSampled :

Tot Ion: 94 Resp: 530

Ion Ratio Lower Upper

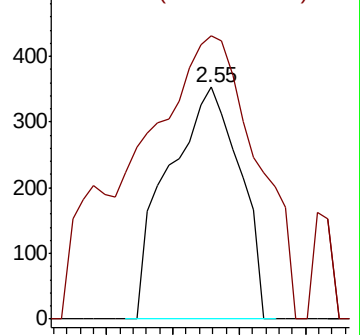
94 100

96 65.2 74.3 111.5#

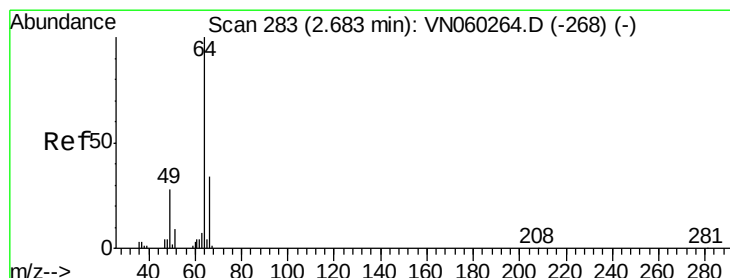
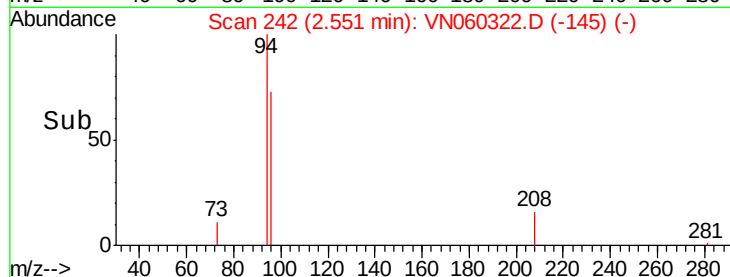


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 0.446 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060322.D

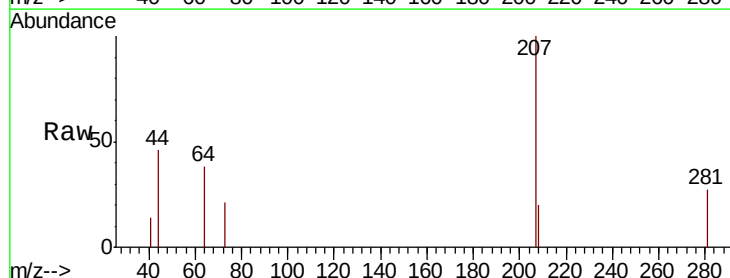
Acq: 3 Mar 2020 12:26

Tgt Ion: 64 Resp: 653

Ion Ratio Lower Upper

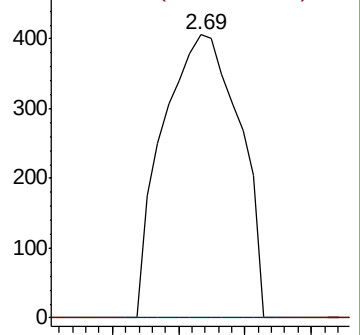
64 100

66 0.0 27.4 41.2#

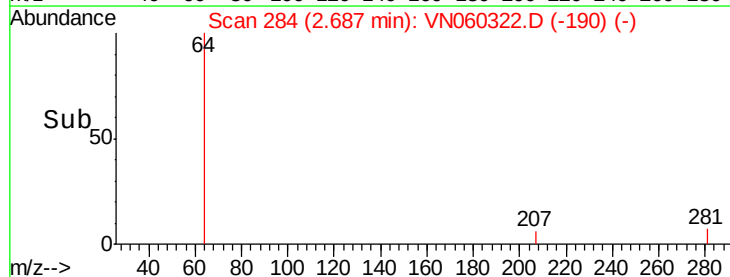


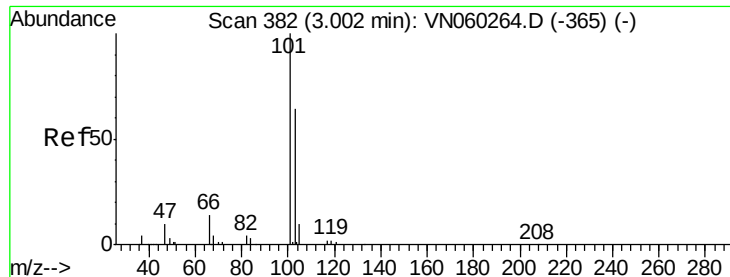
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



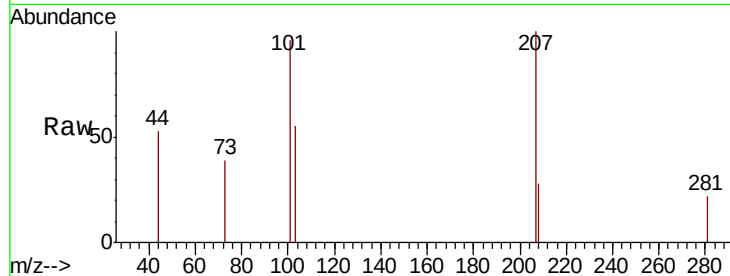


#7

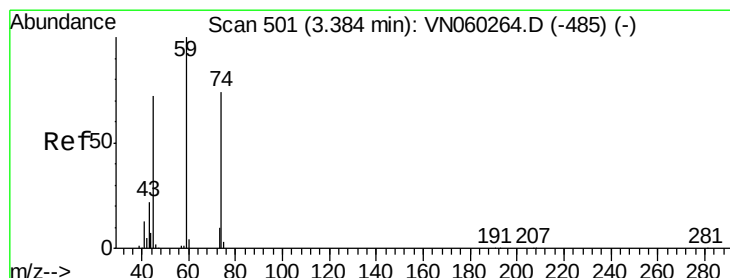
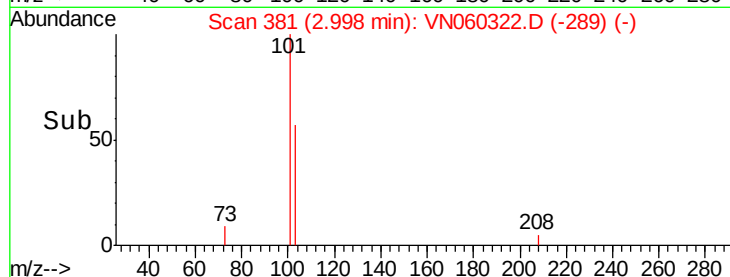
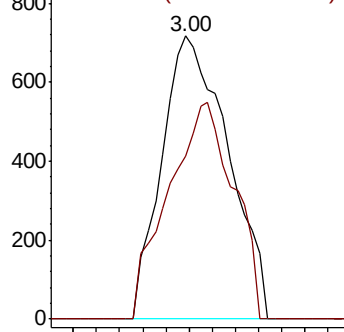
Trichlorofluoromethane
Concen: 0.413 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 1425
Ion Ratio Lower Upper
101 100
103 57.5 51.3 76.9



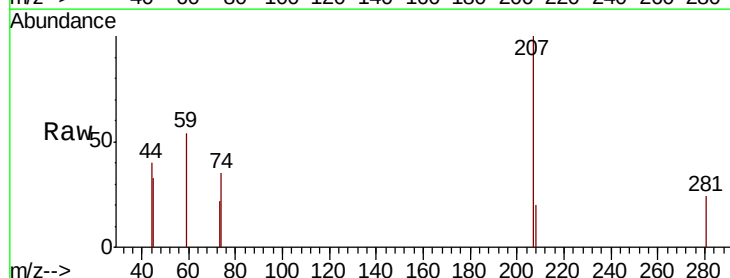
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



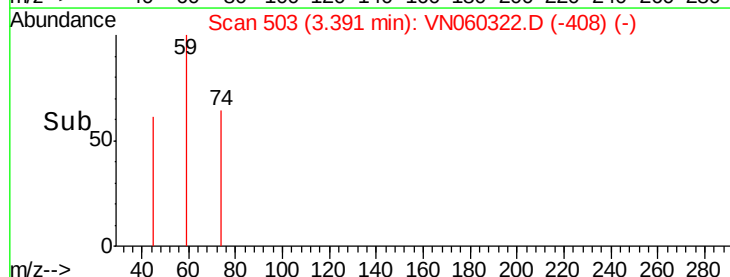
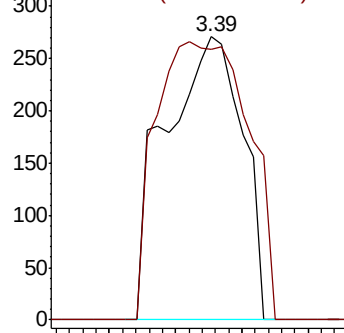
#8

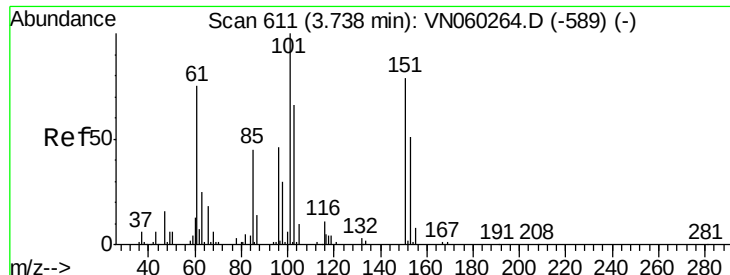
Diethyl Ether
Concen: 0.337 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 74 Resp: 440
Ion Ratio Lower Upper
74 100
45 117.5 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.229 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

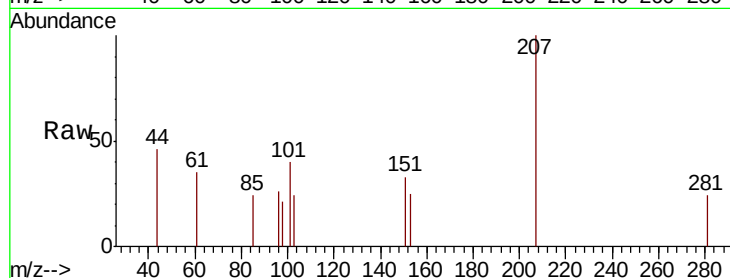
Tot Ion:101 Resp: 447

Ion Ratio Lower Upper

101 100

85 38.5 35.4 53.2

151 94.2 62.0 93.0#



Abundance Ion 100.90 (100.60 to 101.60): V

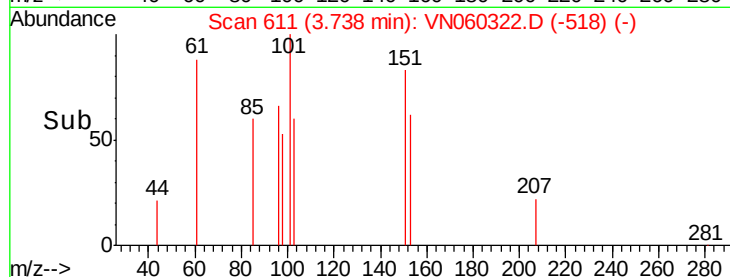
Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

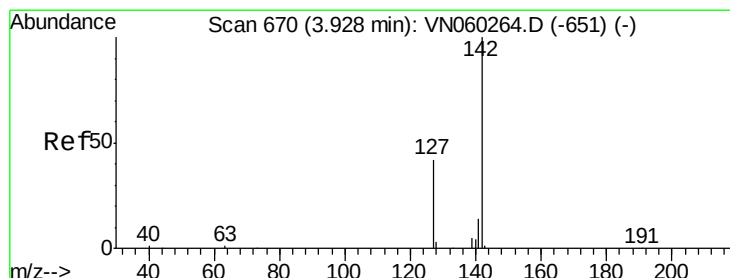
3.74

3.74

3.76



Time-->



#10

Methyl Iodide

Concen: 0.473 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

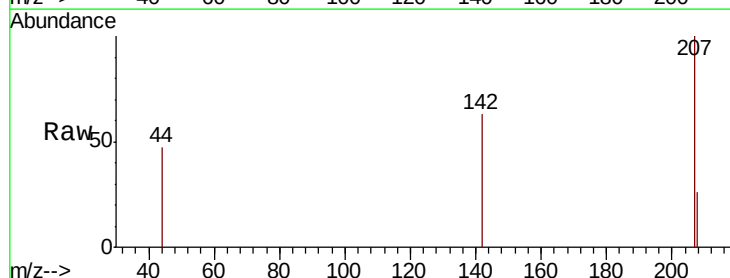
Tgt Ion:142 Resp: 844

Ion Ratio Lower Upper

142 100

127 12.0 33.8 50.6#

141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

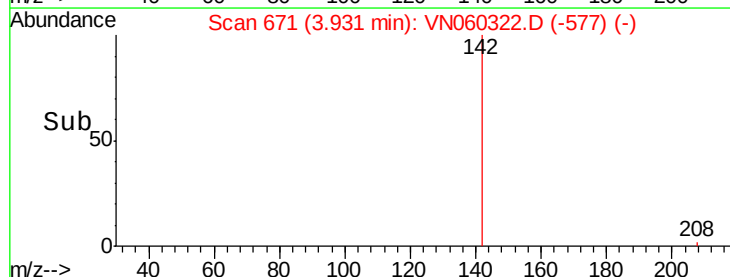
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

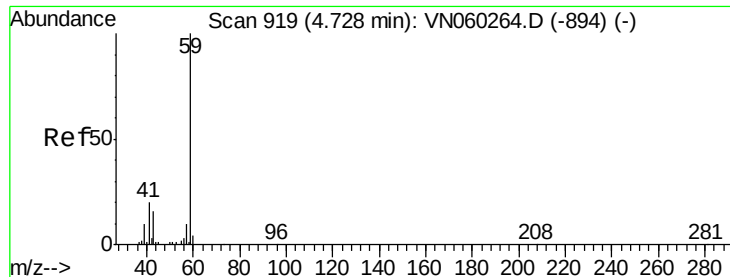
3.93

3.93

3.95



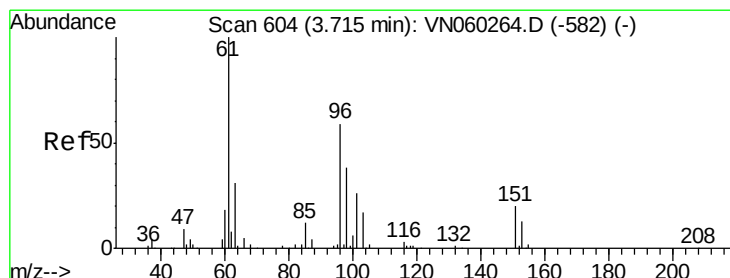
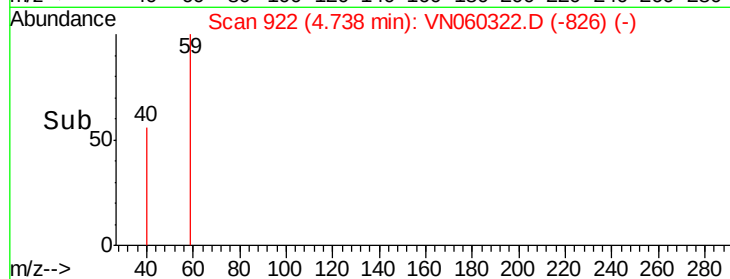
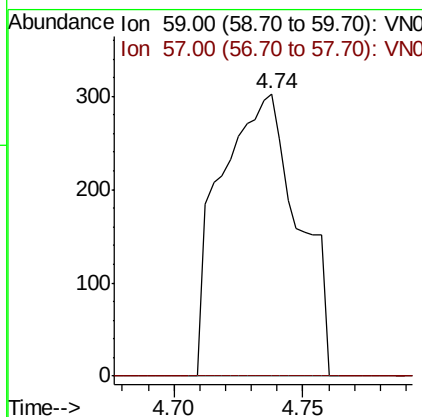
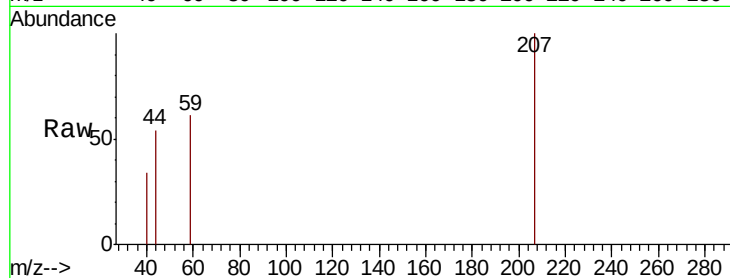
Time-->



#11
Tert butyl alcohol
Concen: 1.691 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

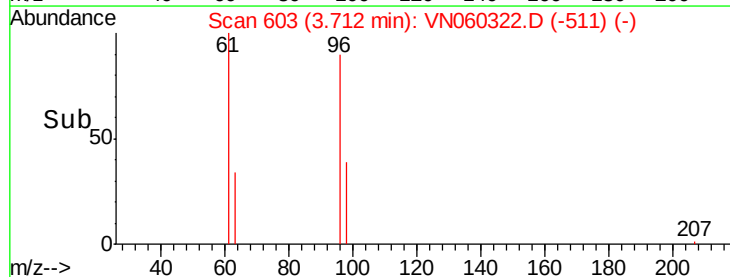
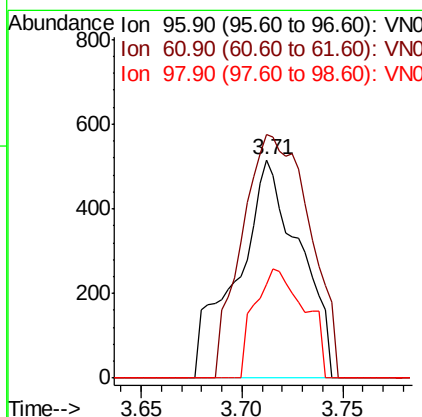
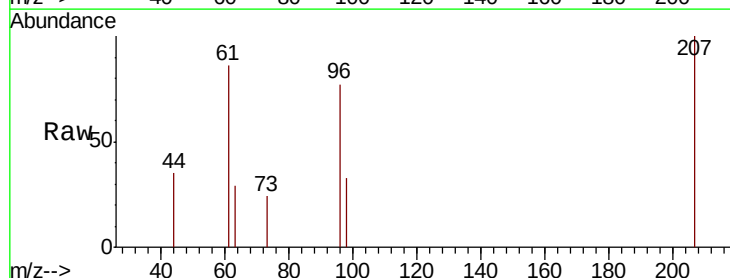
Instrument :
MSVOA_N
ClientSampled :

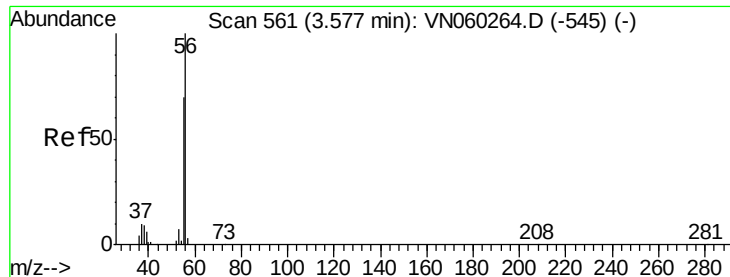
Tot Ion: 59 Resp: 636
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.536 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 96 Resp: 1113
Ion Ratio Lower Upper
96 100
61 111.7 135.4 203.0#
98 43.3 51.6 77.4#

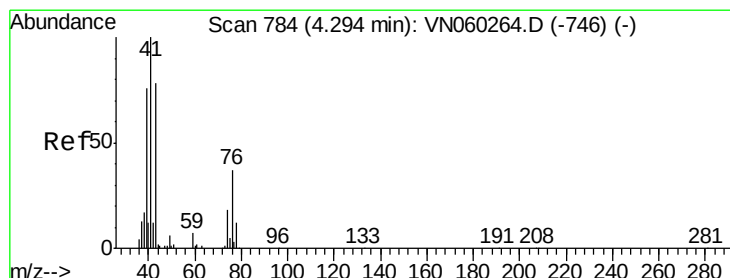
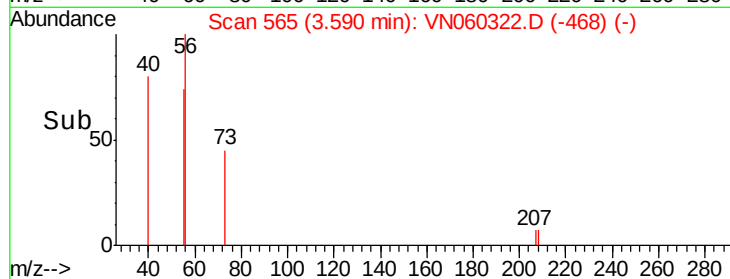
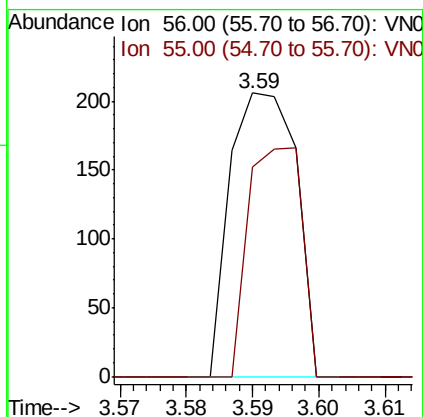
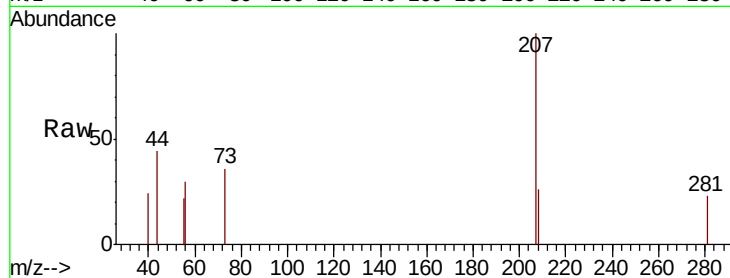




#13
 Acrolein
 Concen: 0.407 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

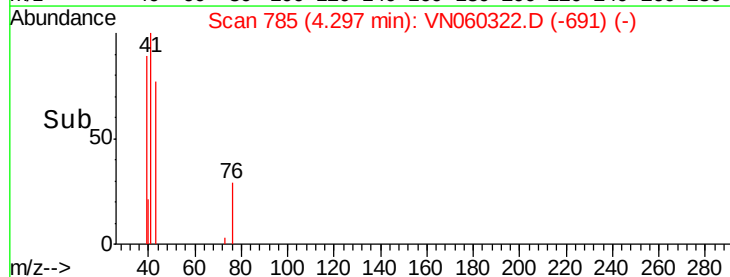
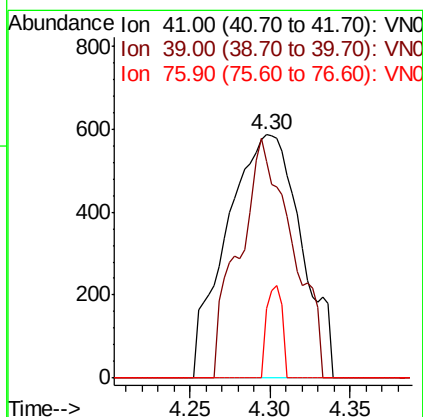
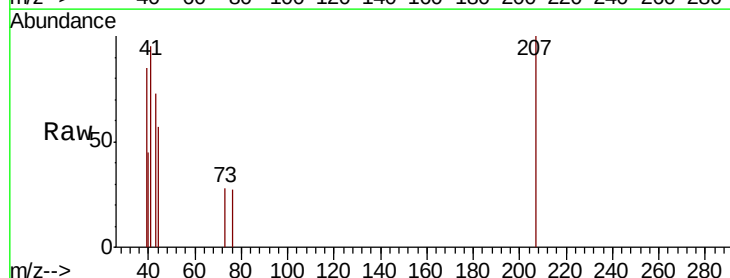
Instrument :
 MSVOA_N
 ClientSampleId :

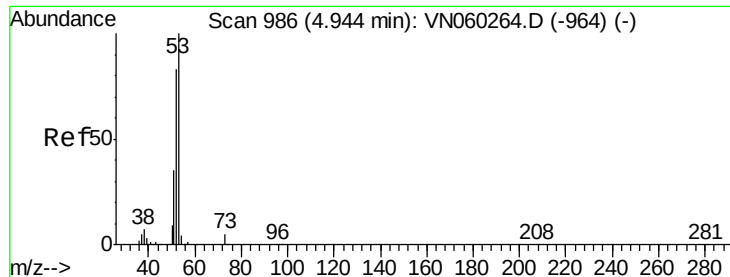
Tot Ion: 56 Resp: 143
 Ion Ratio Lower Upper
 56 100
 55 65.0 57.4 86.0



#14
 Allyl chloride
 Concen: 0.537 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 41 Resp: 1880
 Ion Ratio Lower Upper
 41 100
 39 69.8 55.4 83.2
 76 8.0 27.0 40.6#





#15

Acrylonitrile

Concen: 1.667 ug/l

RT: 4.95 min Scan# 989

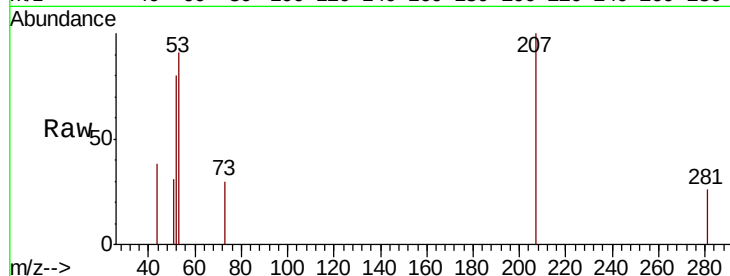
Delta R.T. 0.01 min

Lab File: VN060322.D

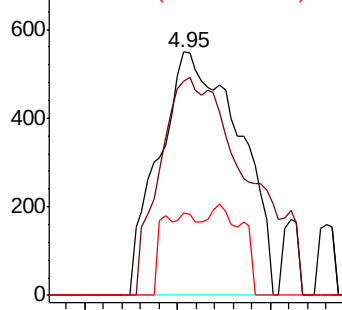
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

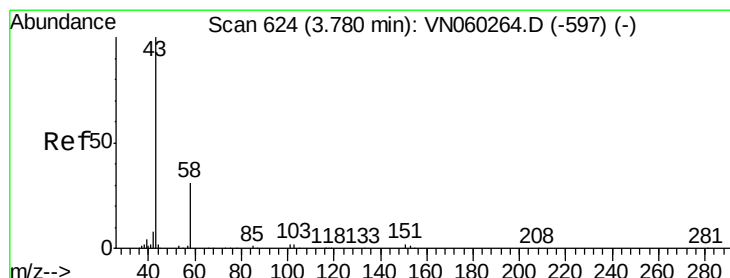
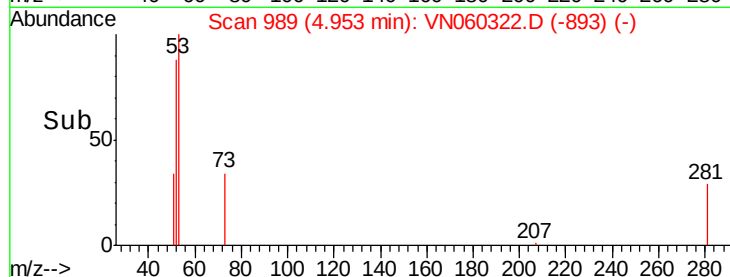
Tot Ion:	53	Resp:	1653
Ion	Ratio	Lower	Upper
53	100		
52	98.5	66.8	100.2
51	6.0	29.0	43.6#



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



Time-->



#16

Acetone

Concen: 2.850 ug/l

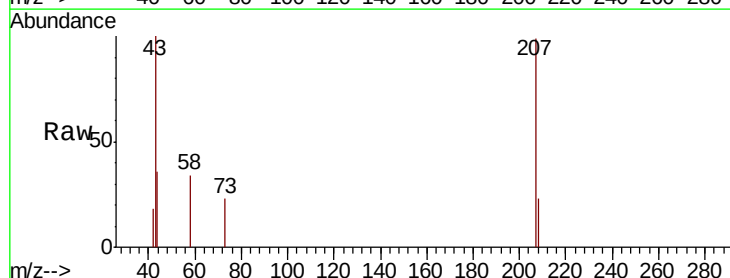
RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

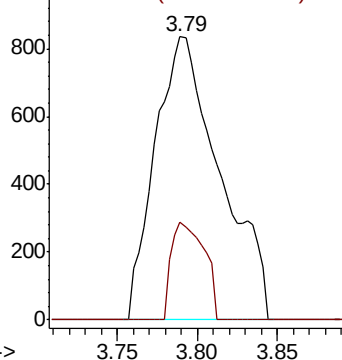
Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

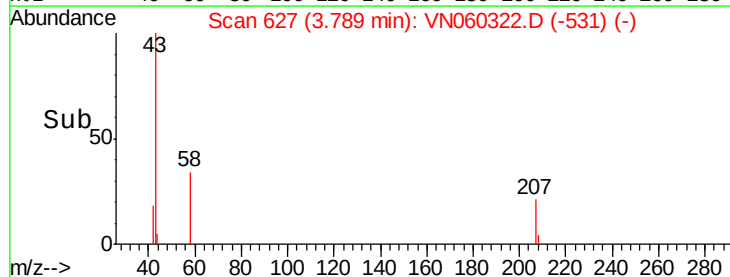
Tgt Ion:	43	Resp:	2332
Ion	Ratio	Lower	Upper
43	100		
58	34.5	24.6	36.8

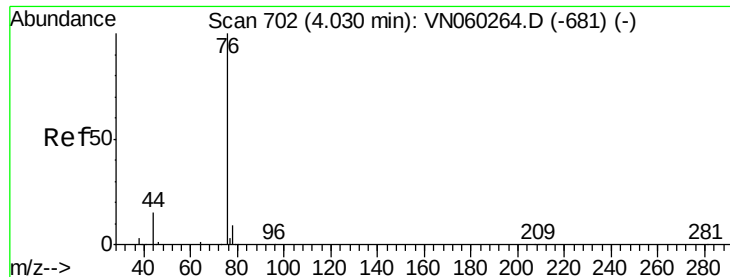


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.512 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

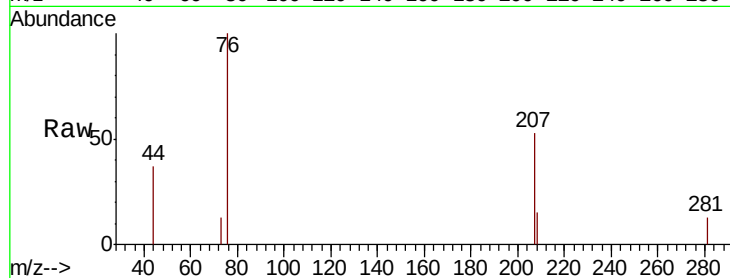
ClientSampled :

Tot Ion: 76 Resp: 3014

Ion Ratio Lower Upper

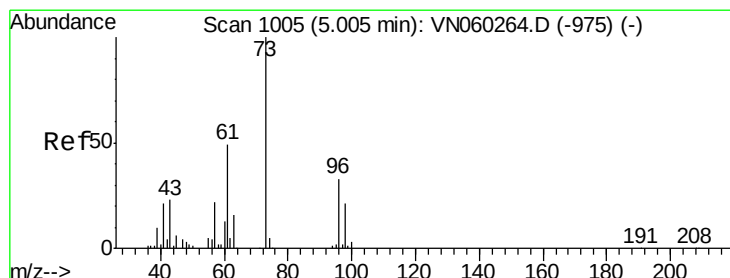
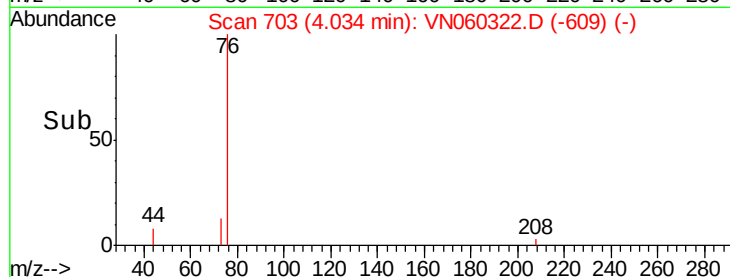
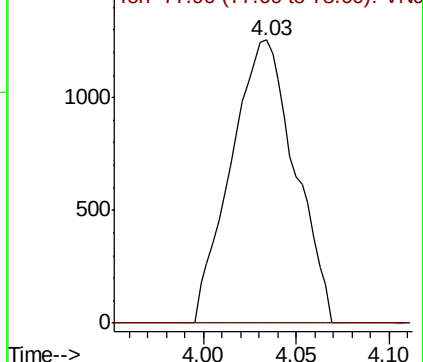
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#19

Methyl tert-butyl Ether

Concen: 0.556 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VN060322.D

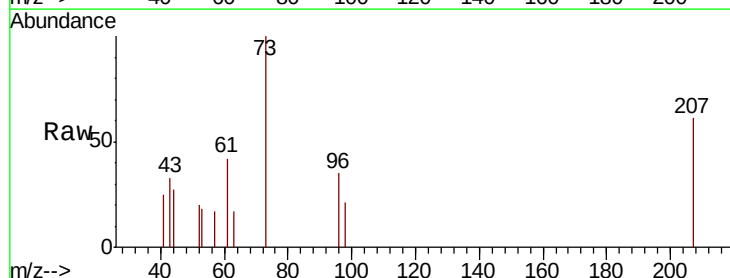
Acq: 3 Mar 2020 12:26

Tgt Ion: 73 Resp: 3832

Ion Ratio Lower Upper

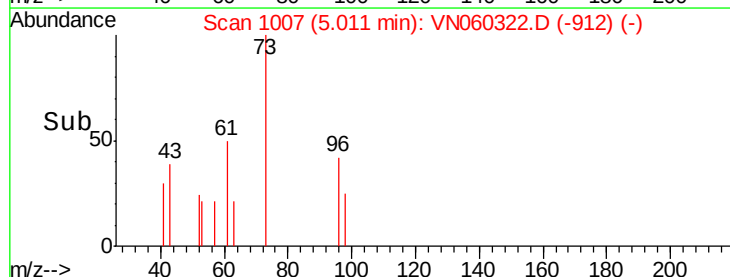
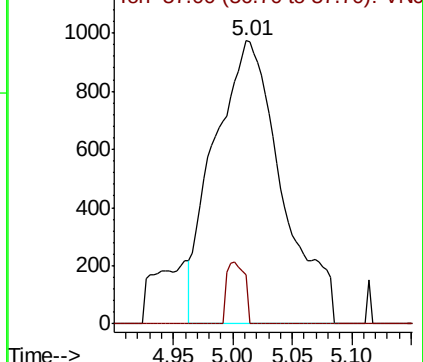
73 100

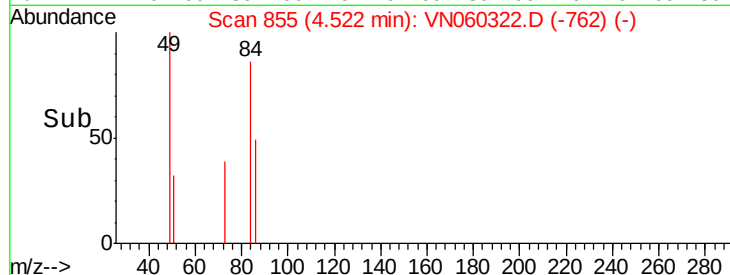
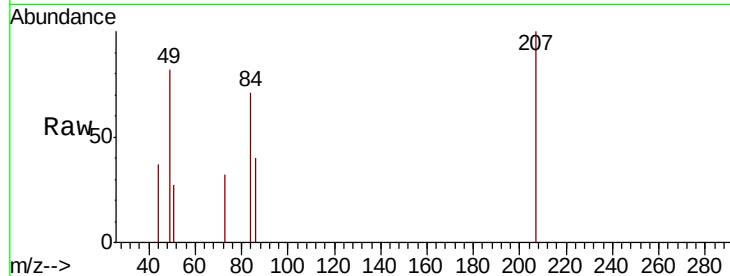
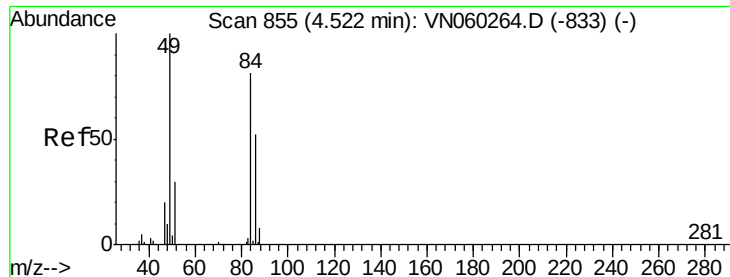
57 17.2 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VN0

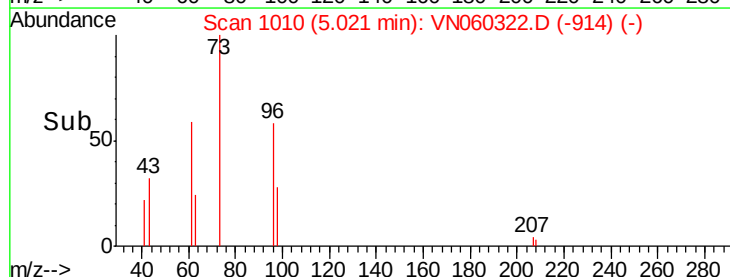
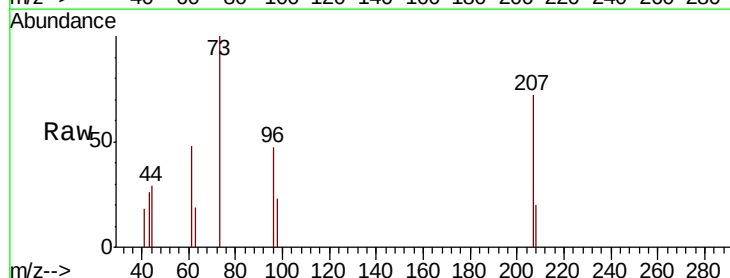
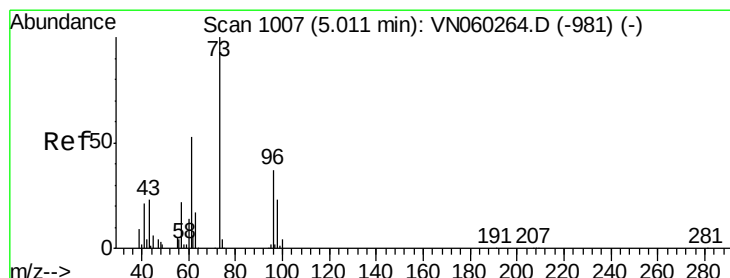
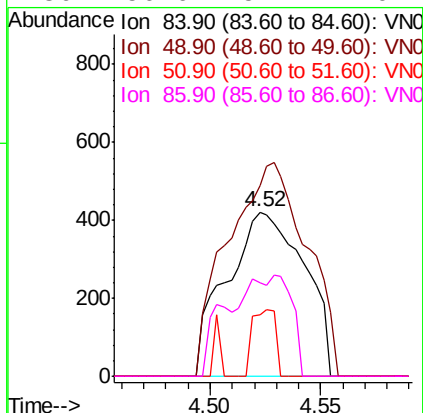
Ion 57.00 (56.70 to 57.70): VN0





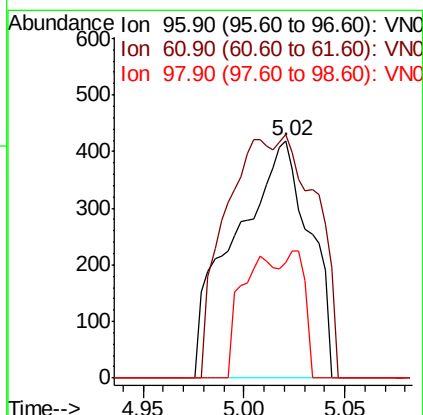
#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

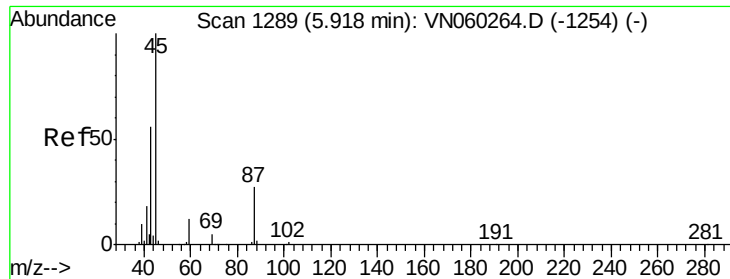
Tot Ion:	84	Resp:	1031
Ion	Ratio	Lower	Upper
84	100		
49	116.1	99.3	148.9
51	37.7	30.1	45.1
86	56.6	51.1	76.7



#21
trans-1,2-Dichloroethene
Concen: 0.454 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion:	96	Resp:	1068
Ion	Ratio	Lower	Upper
96	100		
61	102.6	113.8	170.8#
98	48.4	48.8	73.2#





#22

Diisopropyl ether

Concen: 0.442 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 45 Resp: 3129

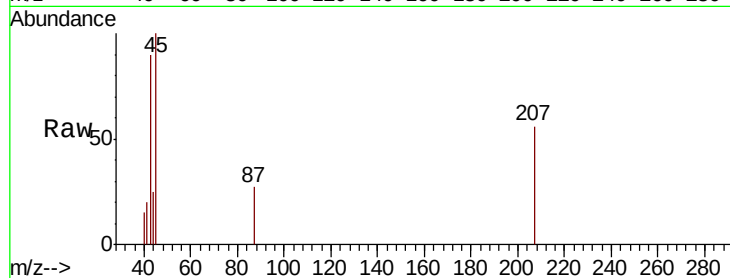
Ion	Ratio	Lower	Upper
45	100		
43	72.5	48.6	72.8
87	26.6	22.2	33.2
59	0.0	9.5	14.3

45 100

43 72.5 48.6 72.8

87 26.6 22.2 33.2

59 0.0 9.5 14.3



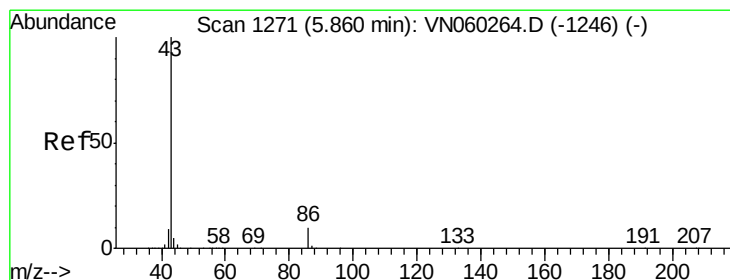
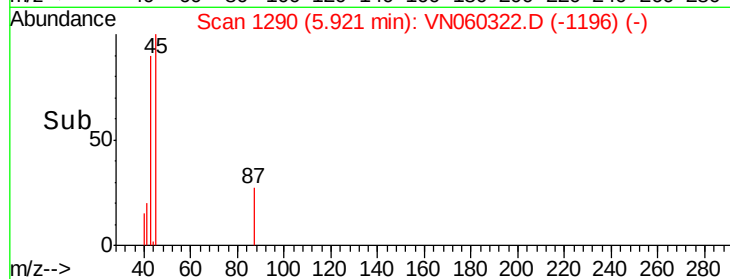
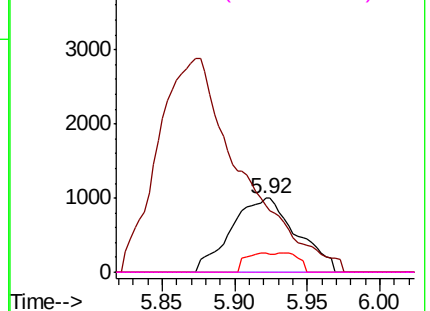
Abundance

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: 2.051 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN060322.D

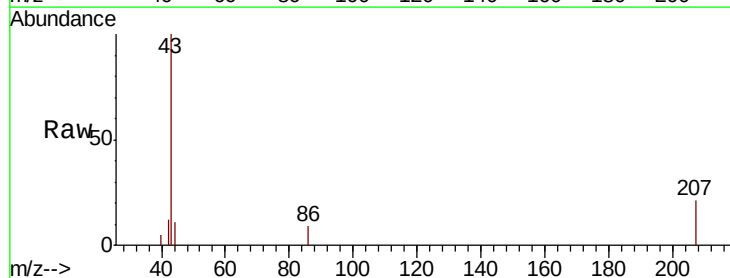
Acq: 3 Mar 2020 12:26

Tgt Ion: 43 Resp: 11547

Ion	Ratio	Lower	Upper
43	100		
86	8.7	8.0	12.0

43 100

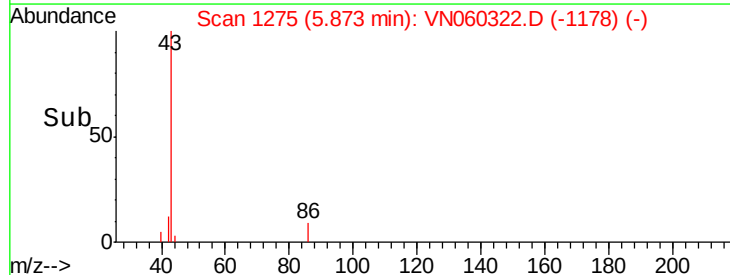
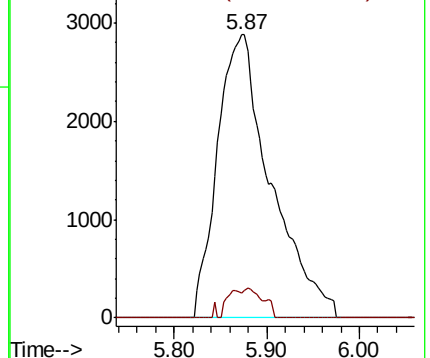
86 8.7 8.0 12.0

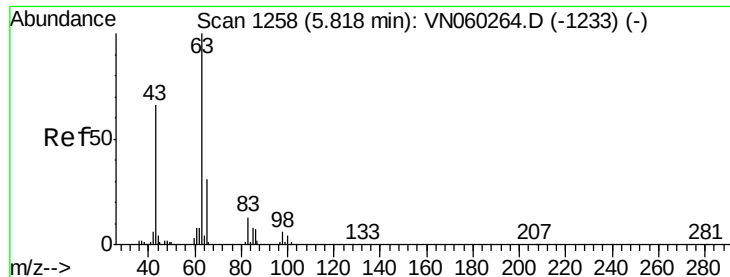


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

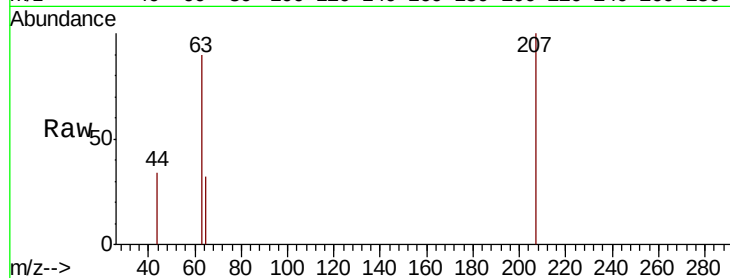




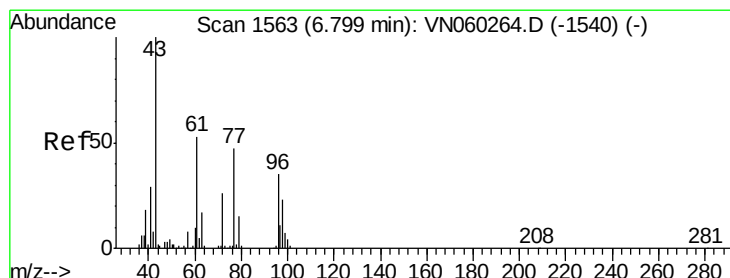
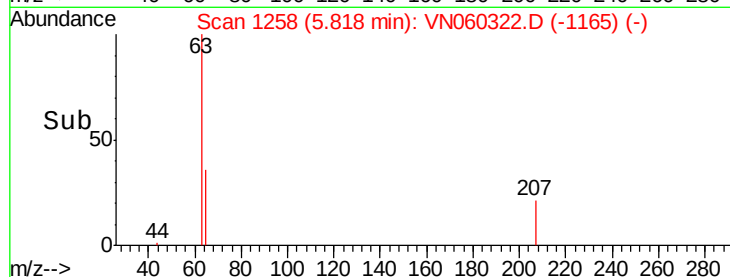
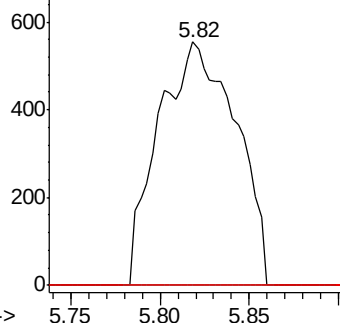
#24
 1,1-Dichloroethane
 Concen: 0.418 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 1677
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.0 9.0#
 100 0.0 2.0 6.0#

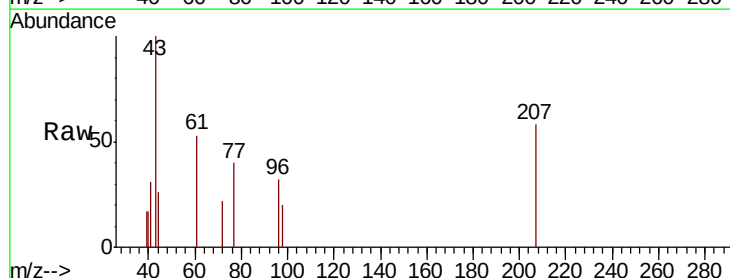


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

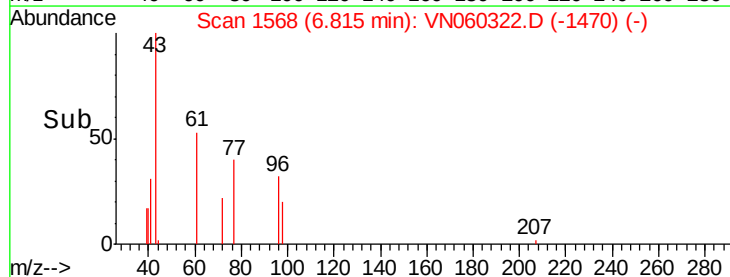
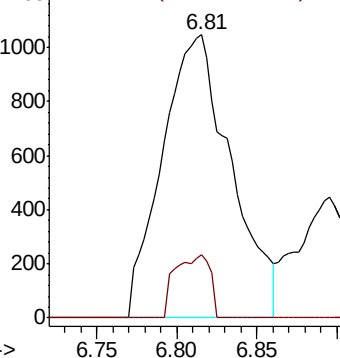


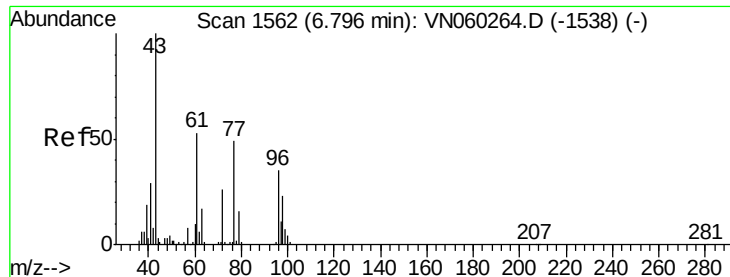
#25
 2-Butanone
 Concen: 2.342 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 43 Resp: 3095
 Ion Ratio Lower Upper
 43 100
 72 22.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

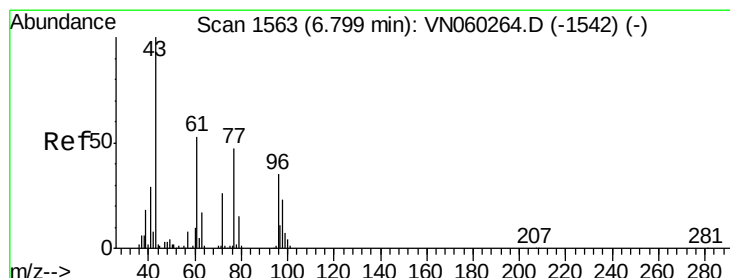
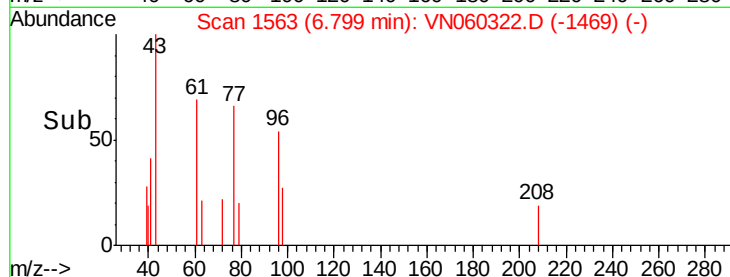
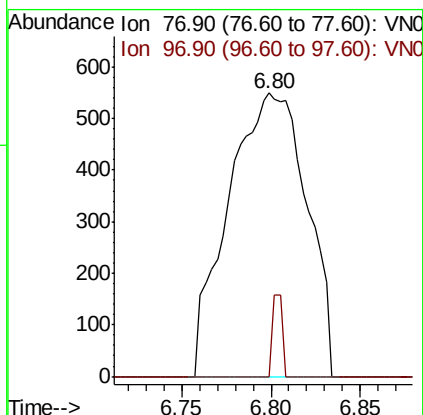
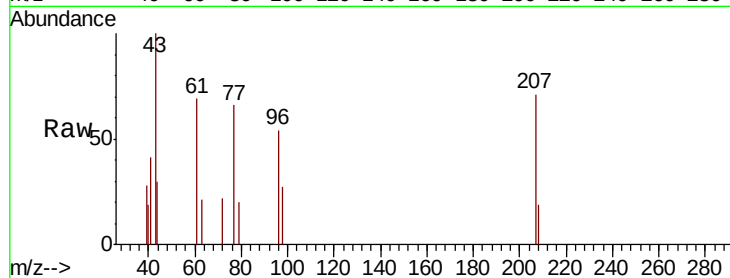




#26
 2,2-Dichloropropane
 Concen: 0.460 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

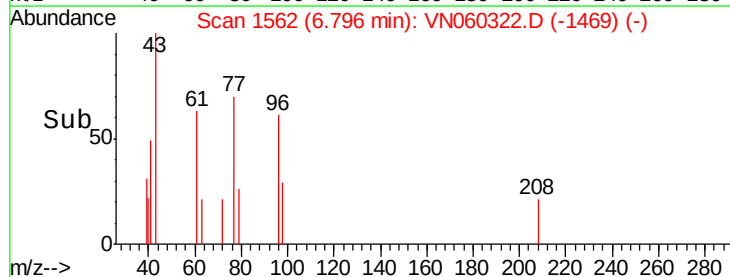
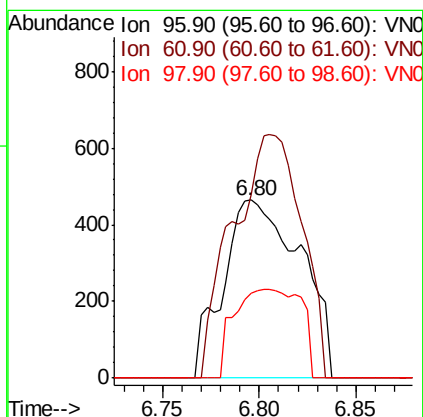
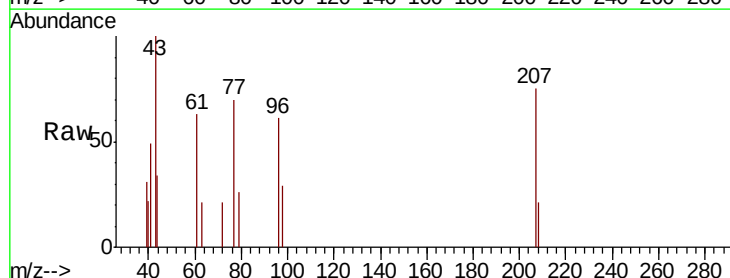
Instrument :
 MSVOA_N
 ClientSampled :

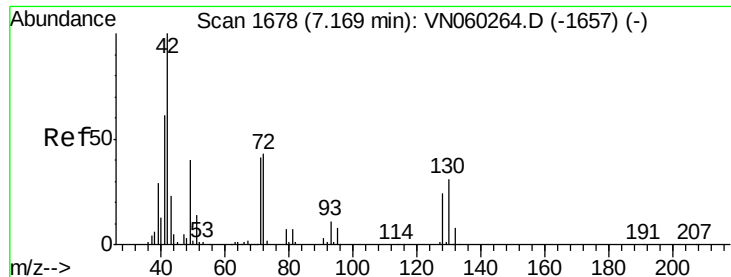
Tot Ion: 77 Resp: 1678
 Ion Ratio Lower Upper
 77 100
 97 3.6 11.2 33.6#



#27
 cis-1,2-Dichloroethene
 Concen: 0.497 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 96 Resp: 1295
 Ion Ratio Lower Upper
 96 100
 61 122.2 0.0 300.8
 98 42.9 0.0 128.2





#28

Bromochloromethane

Concen: 0.460 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

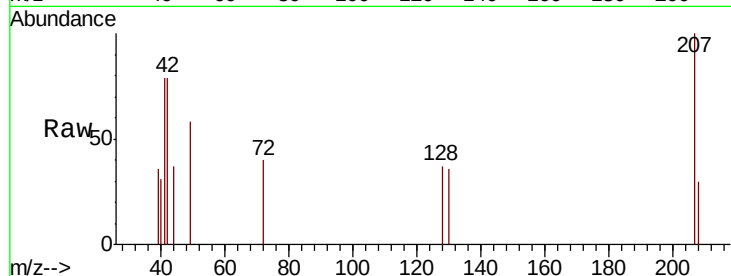
Tot Ion: 49 Resp: 757

Ion Ratio Lower Upper

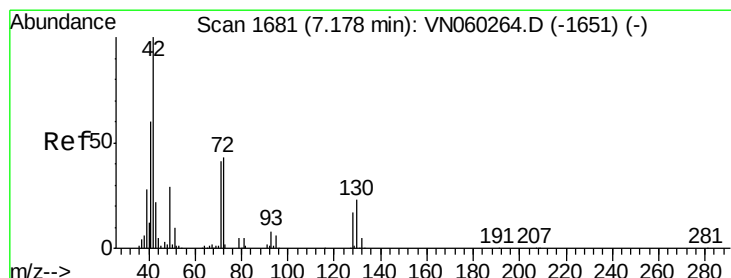
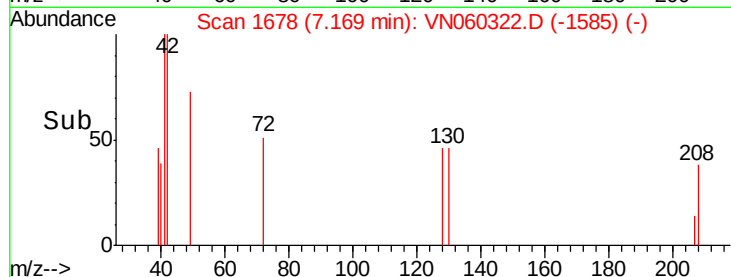
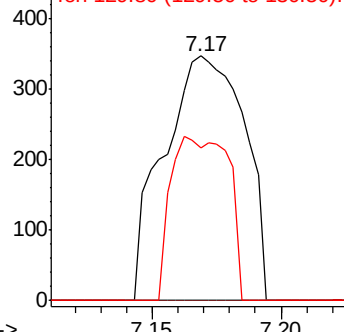
49 100

129 0.0 0.0 3.8

130 47.8 59.8 89.8#



Abundance Ion 48.90 (48.60 to 49.60): VN060322.D (-1585) (-)



#29

Tetrahydrofuran

Concen: 2.305 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

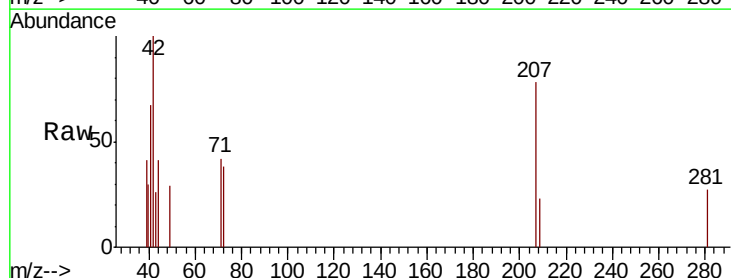
Tgt Ion: 42 Resp: 2118

Ion Ratio Lower Upper

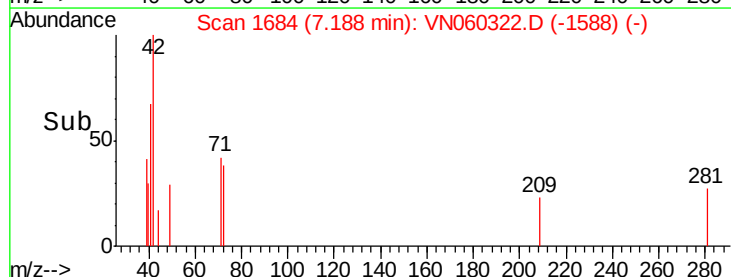
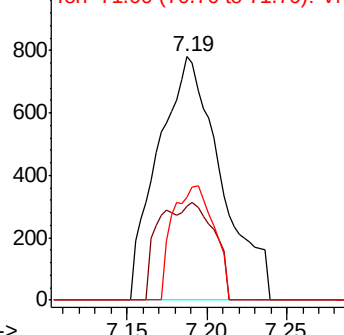
42 100

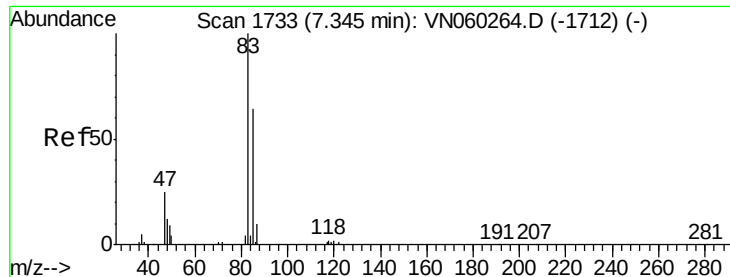
72 14.2 34.6 52.0#

71 30.3 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VN060322.D (-1588) (-)

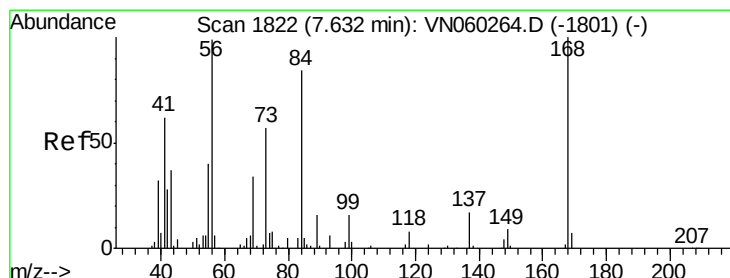
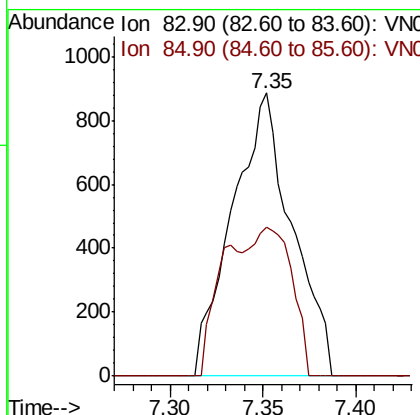
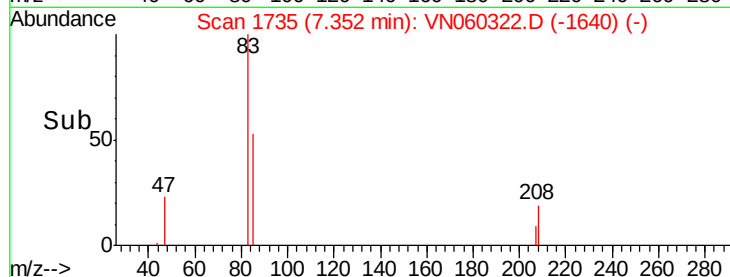
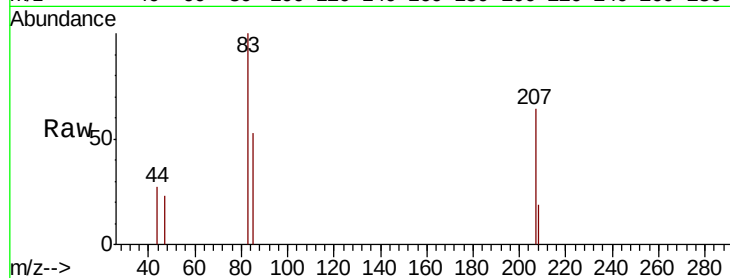




#30
Chloroform
Concen: 0.496 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

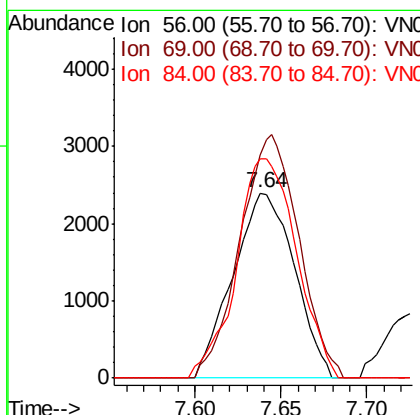
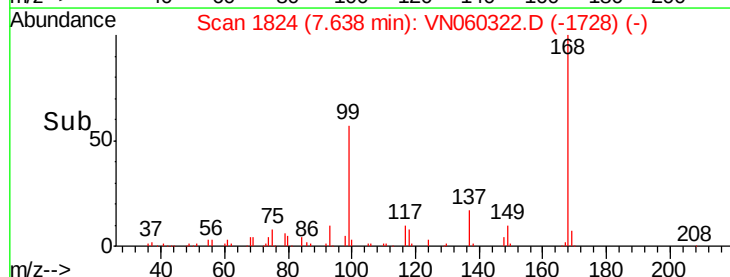
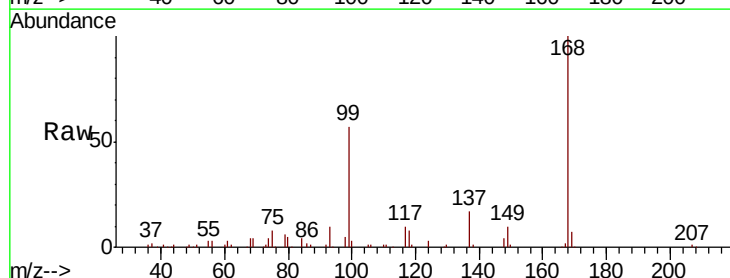
Instrument :
MSVOA_N
ClientSampled :

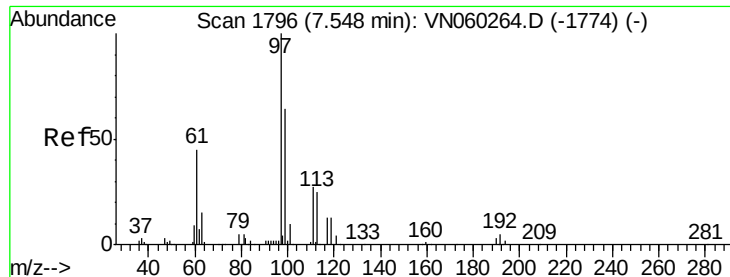
Tot Ion: 83 Resp: 1980
Ion Ratio Lower Upper
83 100
85 52.7 51.4 77.2



#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 56 Resp: 5958
Ion Ratio Lower Upper
56 100
69 120.1 27.2 40.8#
84 118.4 66.7 100.1#





#32

1,1,1-Trichloroethane

Concen: 0.408 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

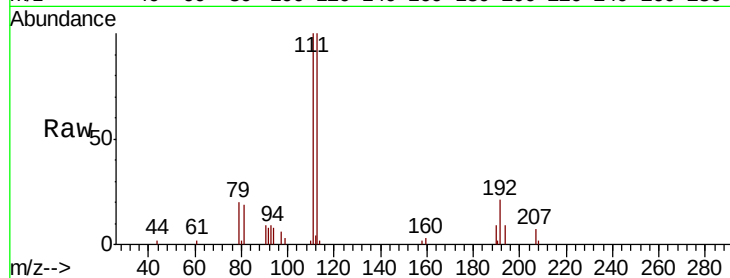
Tot Ion: 97 Resp: 1444

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

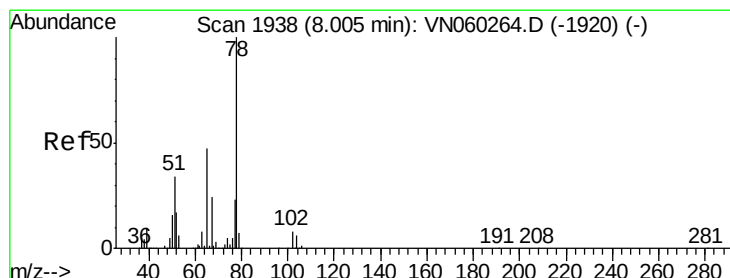
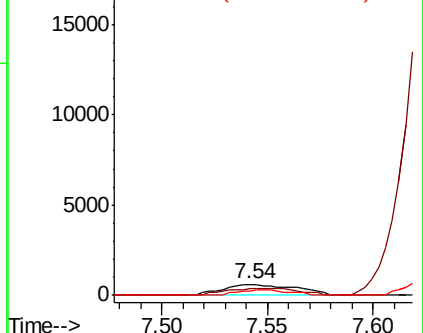
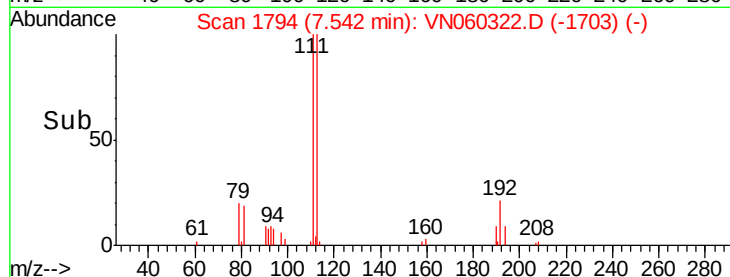
61 35.6 36.6 55.0#



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: 49.791 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060322.D

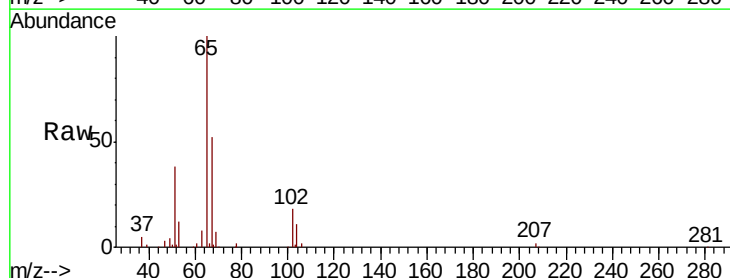
Acq: 3 Mar 2020 12:26

Tgt Ion: 65 Resp: 126140

Ion Ratio Lower Upper

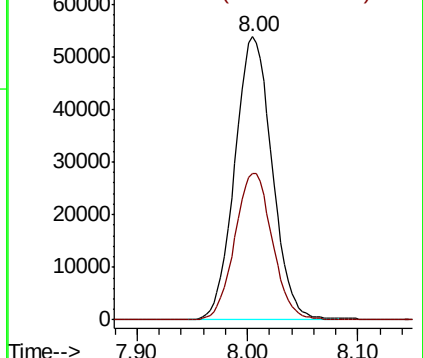
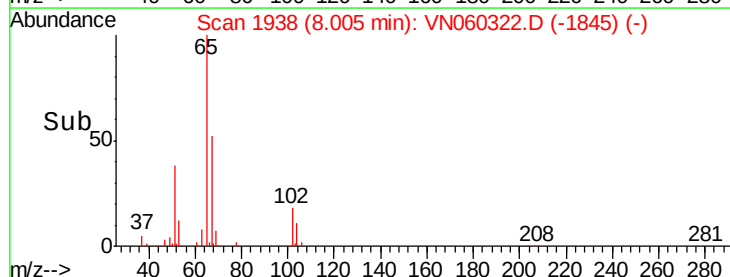
65 100

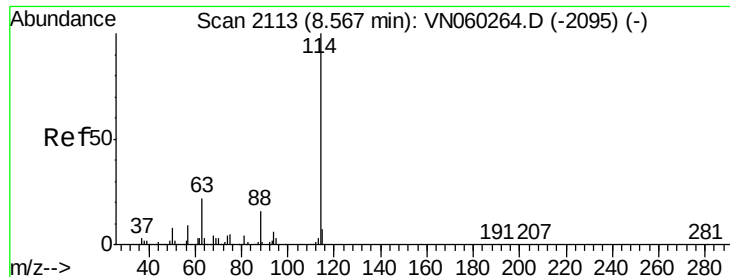
67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

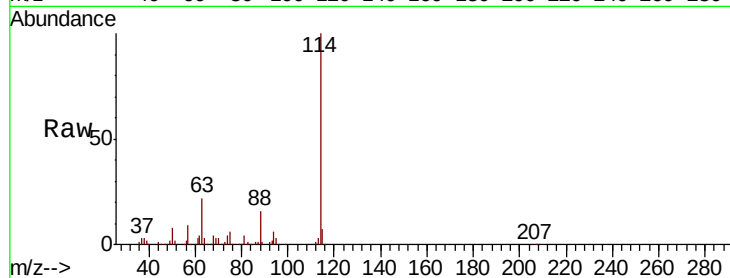




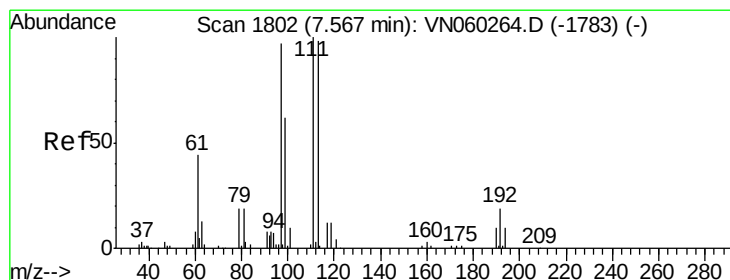
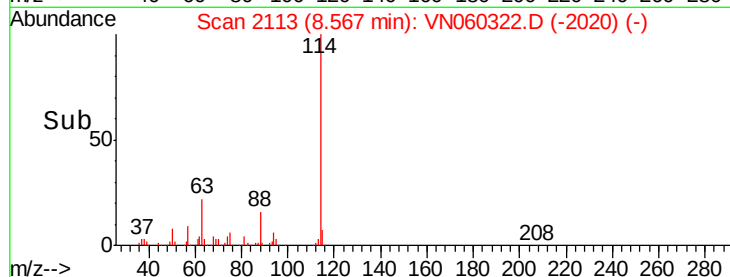
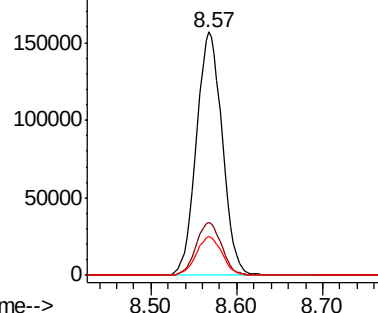
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 327963
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.2
88 15.9 0.0 31.6

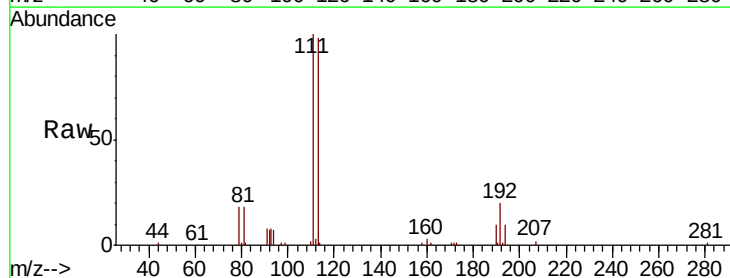


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

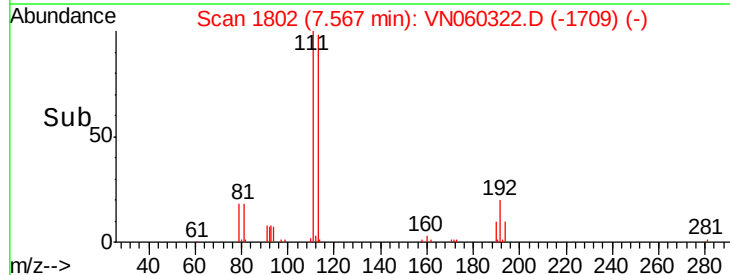
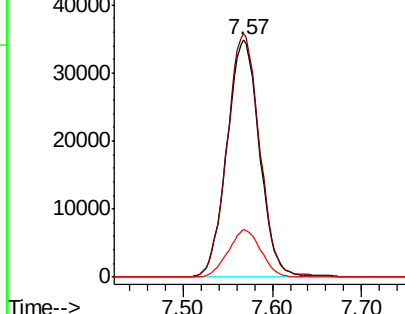


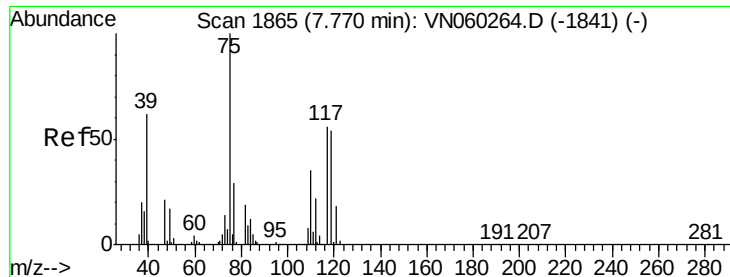
#35
Dibromofluoromethane
Concen: 57.979 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion:113 Resp: 88261
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 20.0 16.2 24.2



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

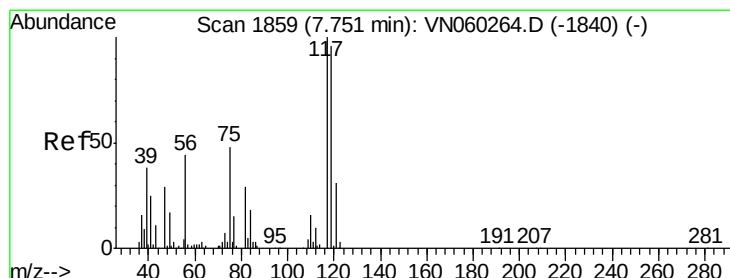
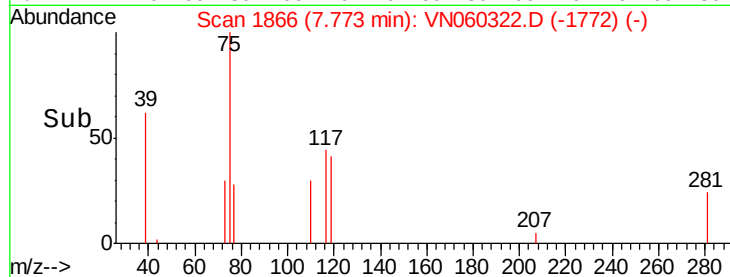
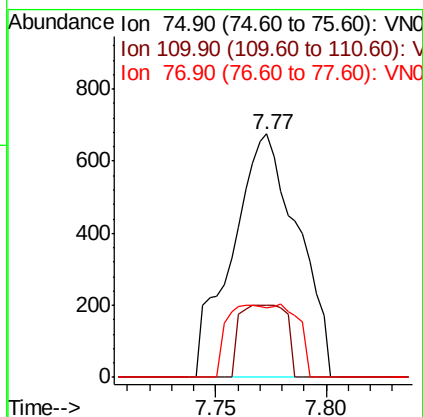
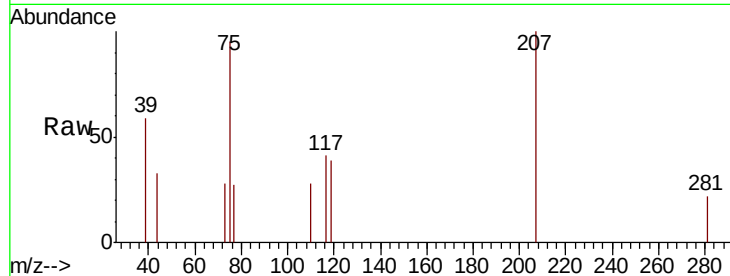




#36
 1,1-Dichloropropene
 Concen: 0.447 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

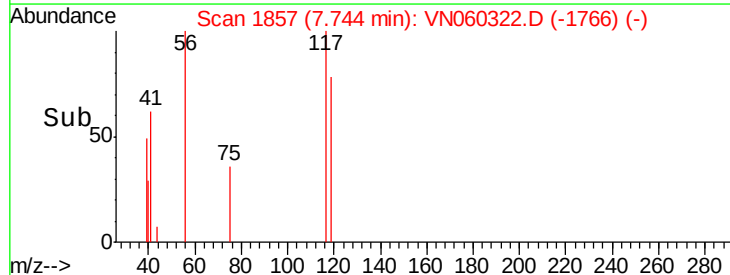
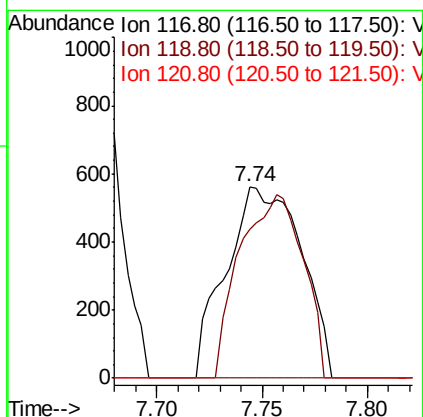
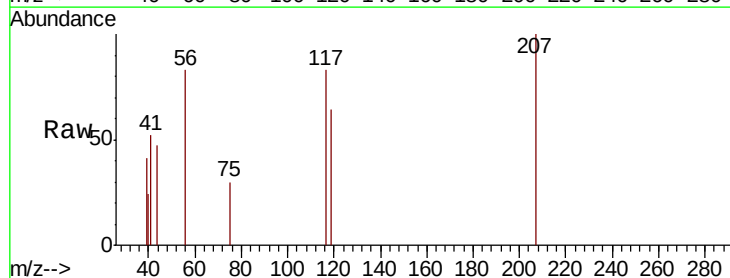
Instrument :
 MSVOA_N
 ClientSampled :

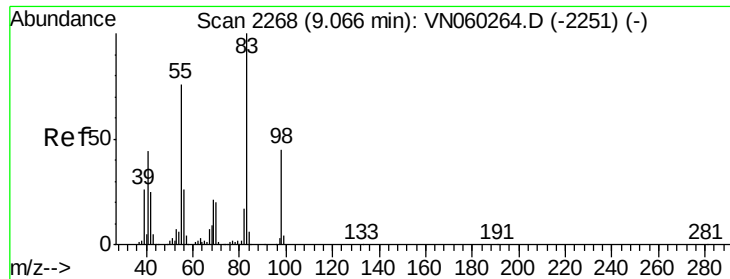
Tot Ion	Ratio	Lower	Upper
75	100		
110	21.3	17.3	52.0
77	18.3	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 0.460 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	77.6	76.7	115.1
121	0.0	24.5	36.7#

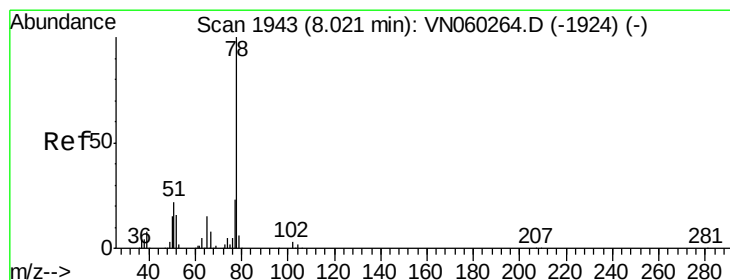
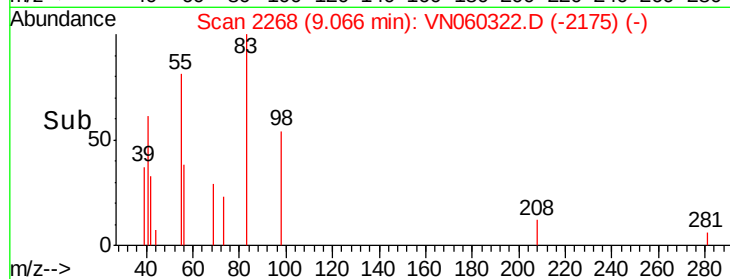
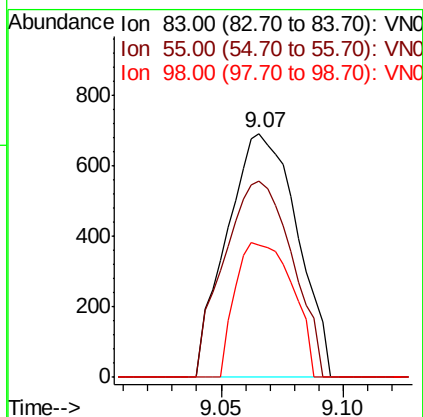
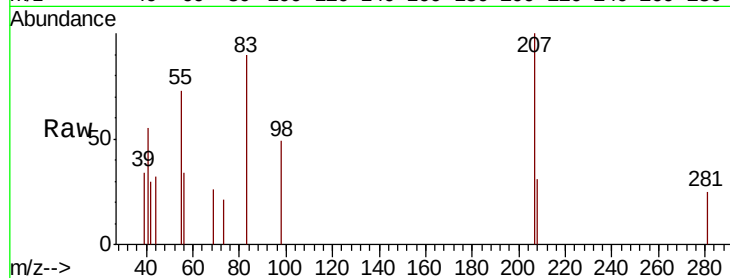




#39
Methylvlcyclohexane
Concen: 0.374 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

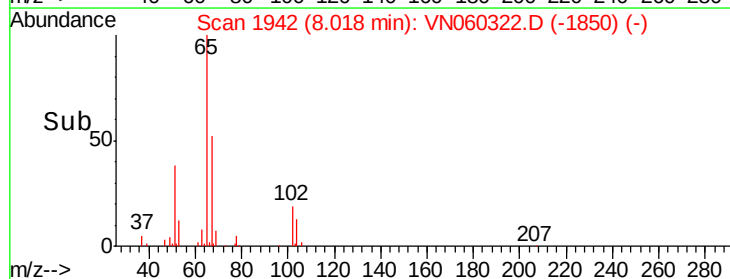
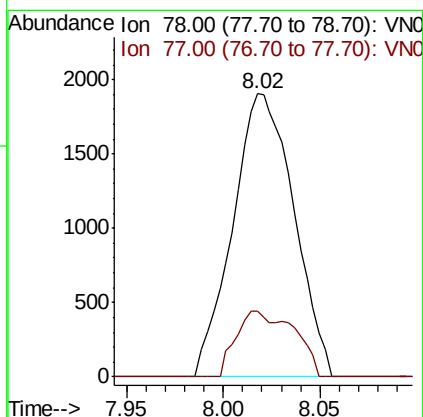
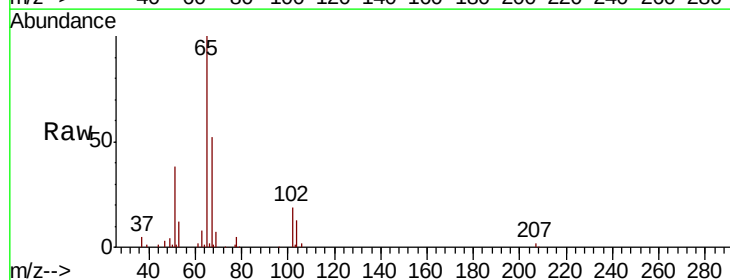
Instrument :
MSVOA_N
ClientSampleId :

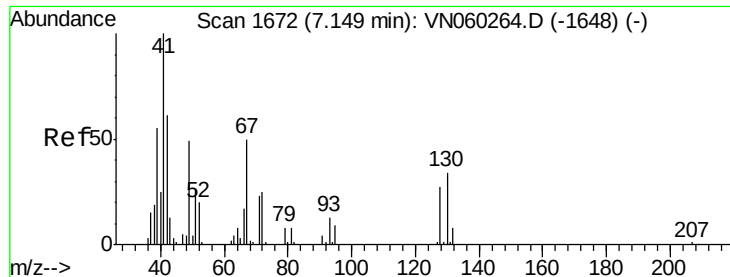
Tot Ion: 83 Resp: 1378
Ion Ratio Lower Upper
83 100
55 80.6 61.0 91.4
98 54.4 36.1 54.1#



#40
Benzene
Concen: 0.459 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 78 Resp: 4174
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

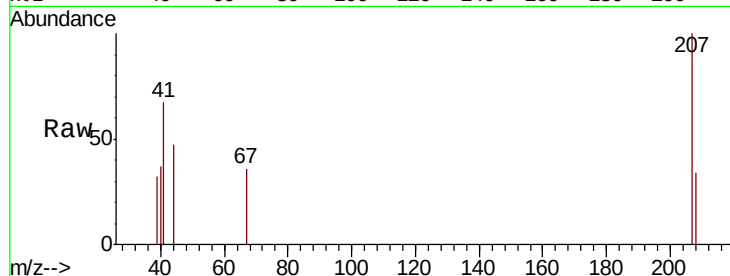




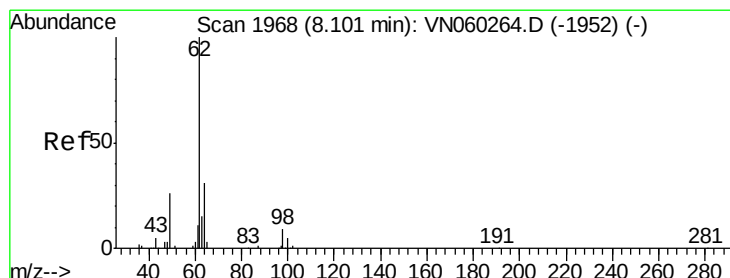
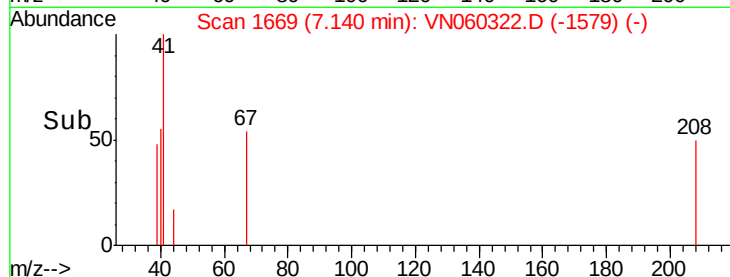
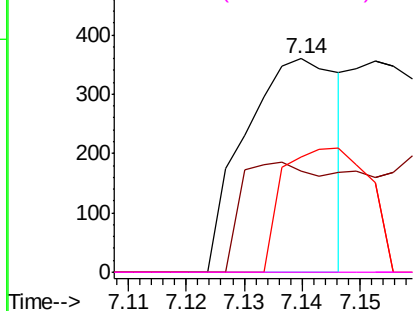
#41
Methacrylonitrile
Concen: 0.295 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	403
Ion	Ratio	Lower	Upper
41	100		
39	41.7	0.0	0.0#
67	53.6	0.0	0.0#
52	0.0	0.0	0.0

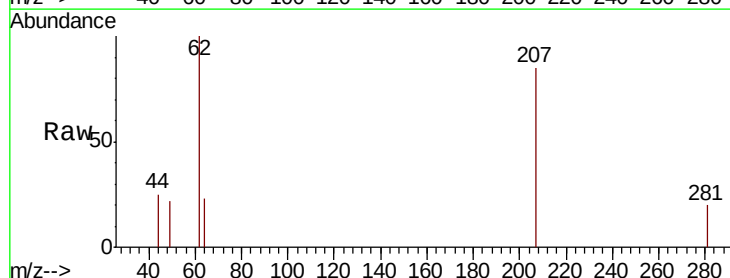


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

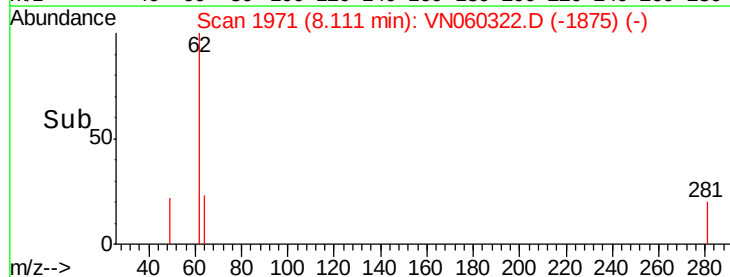
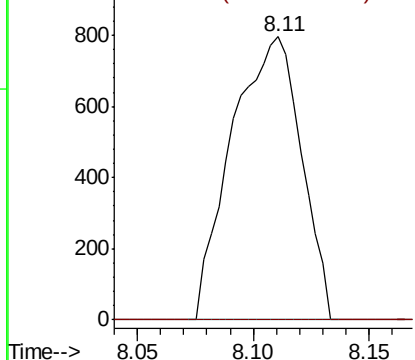


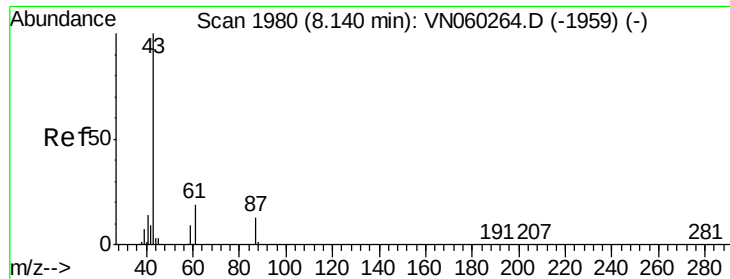
#42
1,2-Dichloroethane
Concen: 0.504 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion:	62	Resp:	1653
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.445 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

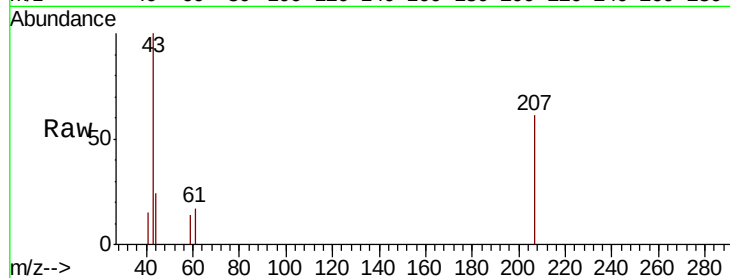
Tot Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

61 14.5 20.9 31.3#

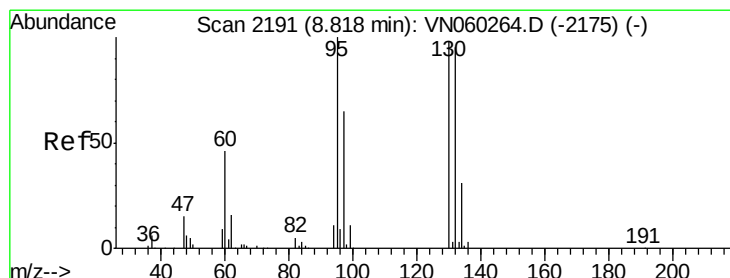
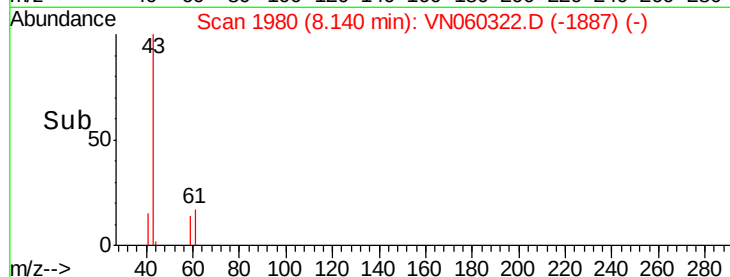
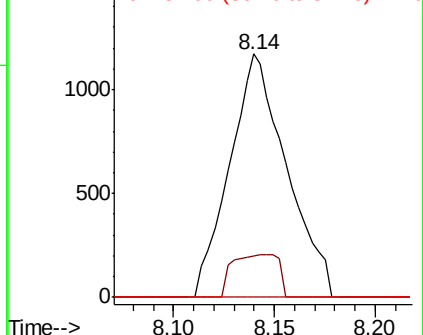
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VN060322.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060322.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060322.D (-1959) (-)



#44

Trichloroethene

Concen: 0.471 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN060322.D

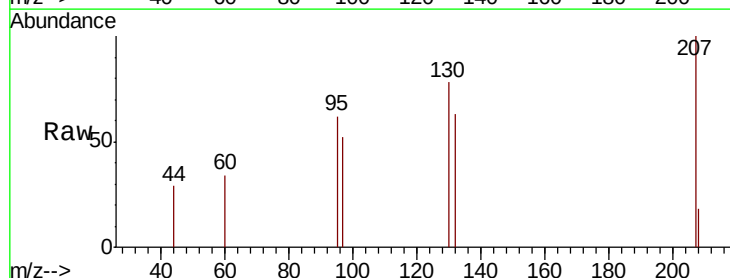
Acq: 3 Mar 2020 12:26

Tgt Ion: 130 Resp: 1194

Ion Ratio Lower Upper

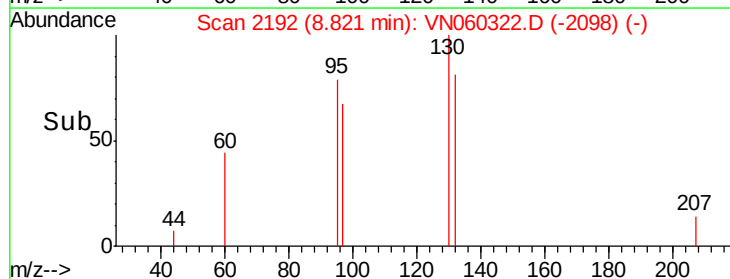
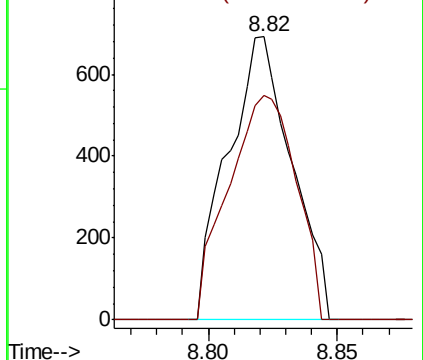
130 100

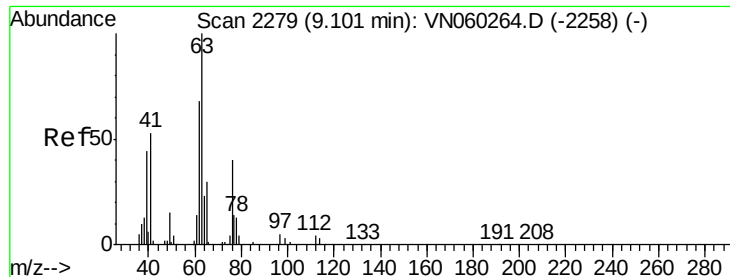
95 79.5 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060322.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060322.D (-2175) (-)

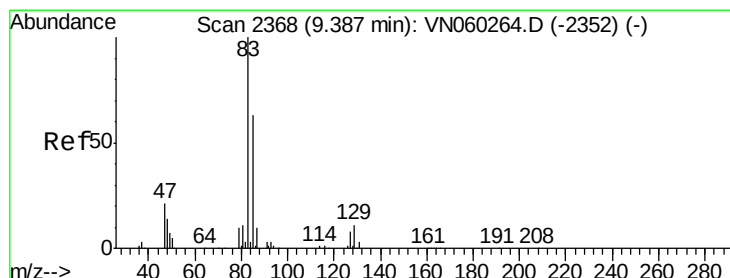
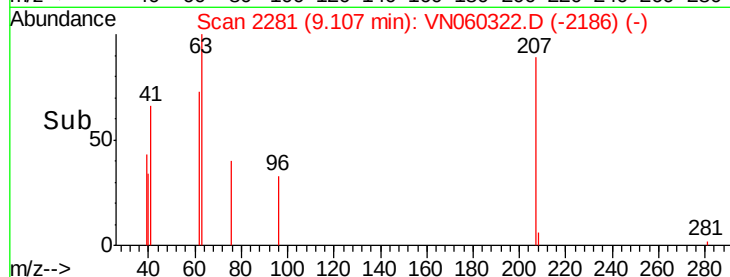
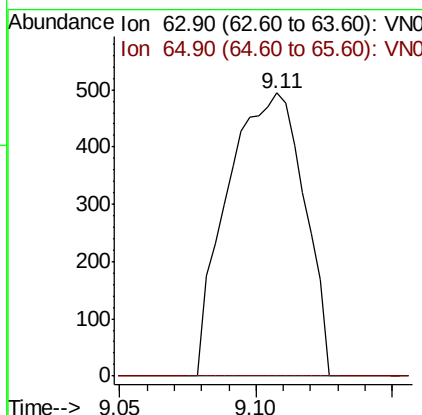
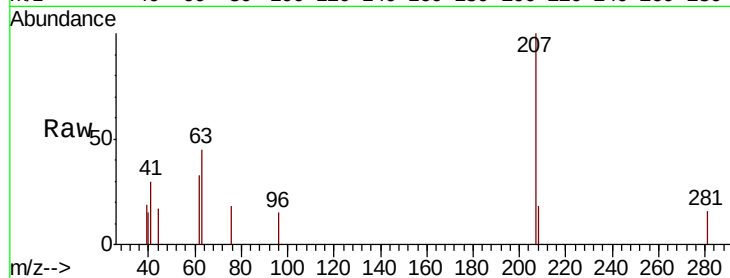




#45
 1,2-Dichloropropane
 Concen: 0.404 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

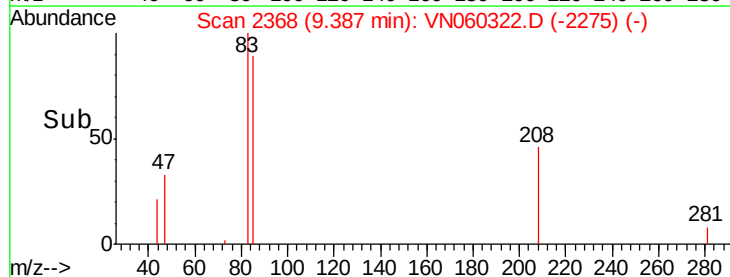
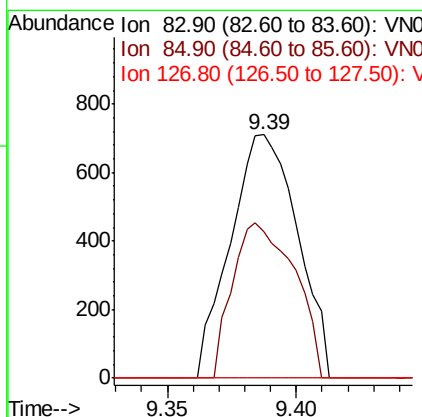
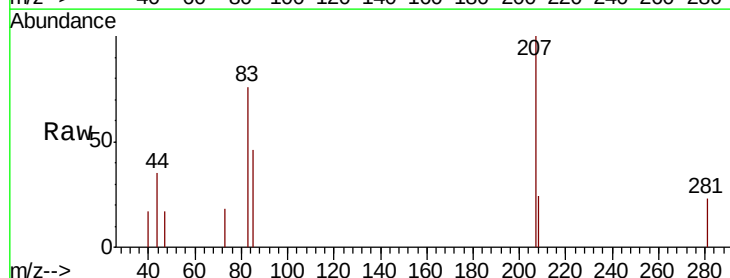
Instrument :
 MSVOA_N
 ClientSampled :

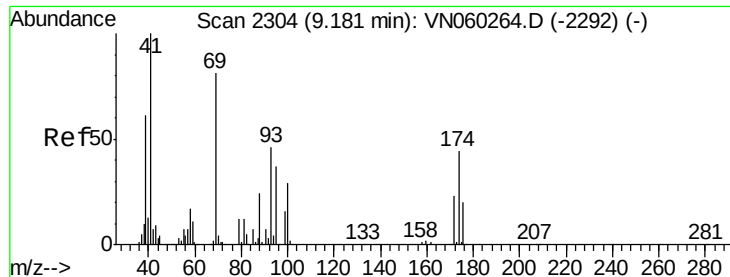
Tot Ion: 63 Resp: 962
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#47
 Bromodichloromethane
 Concen: 0.411 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 83 Resp: 1290
 Ion Ratio Lower Upper
 83 100
 85 60.1 50.7 76.1
 127 0.0 6.8 10.2#

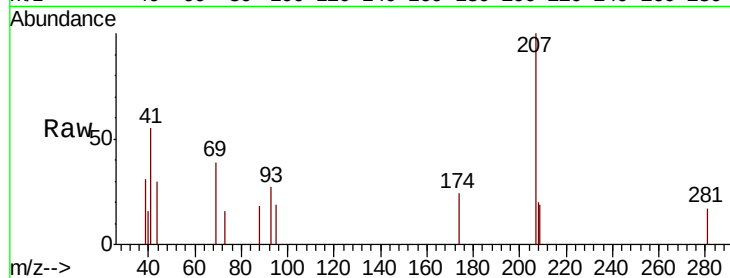




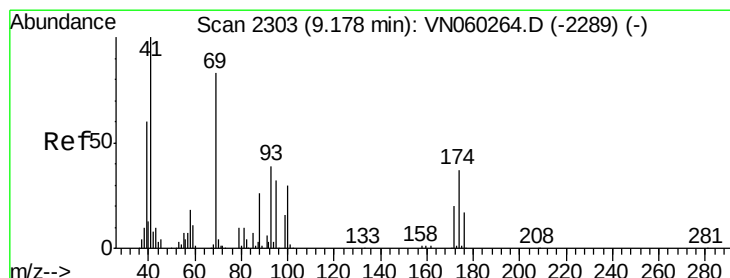
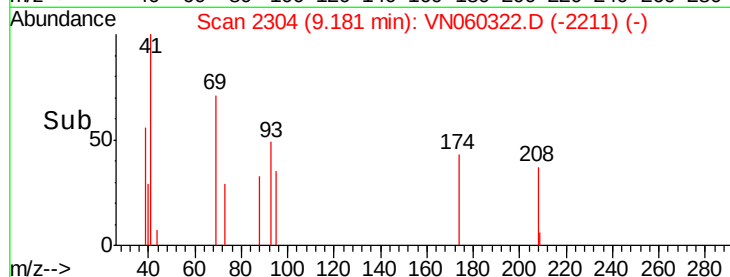
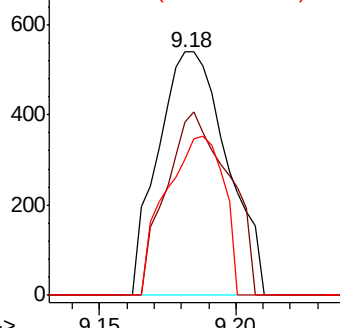
#48
Methvl methacrylate
Concen: 0.402 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 949
Ion Ratio Lower Upper
41 100
69 68.3 66.7 100.1
39 54.7 50.1 75.1

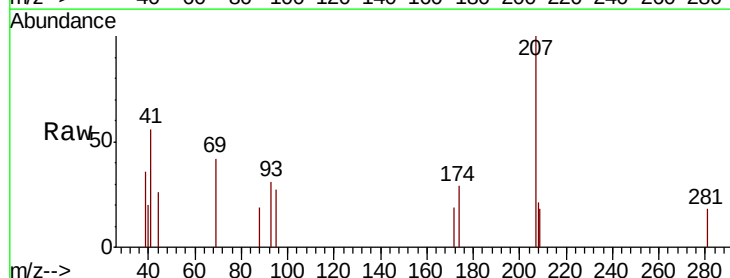


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

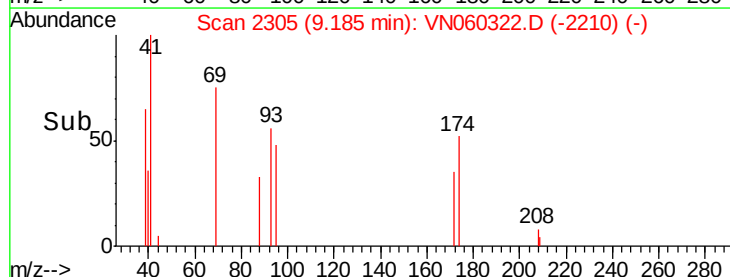
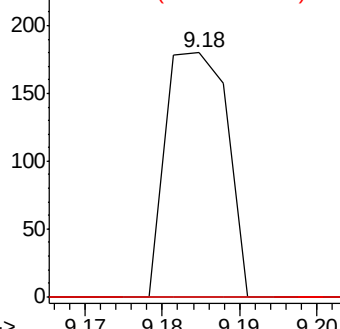


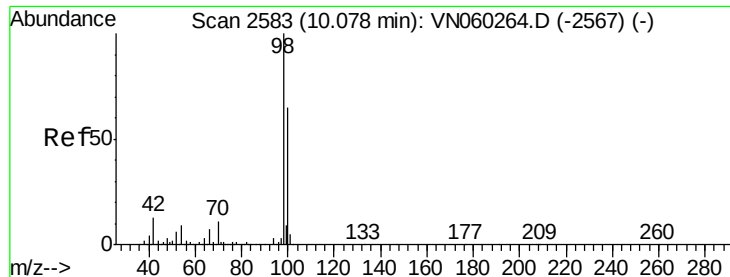
#49
1,4-Dioxane
Concen: 3.010 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.01 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 0.0 30.4 45.6#
58 0.0 57.0 85.6#



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: 46.567 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

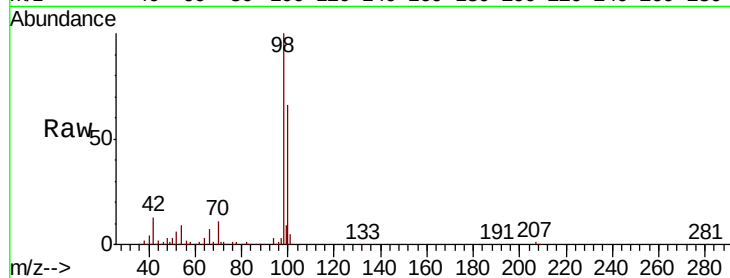
ClientSampled :

Tot Ion: 98 Resp: 358778

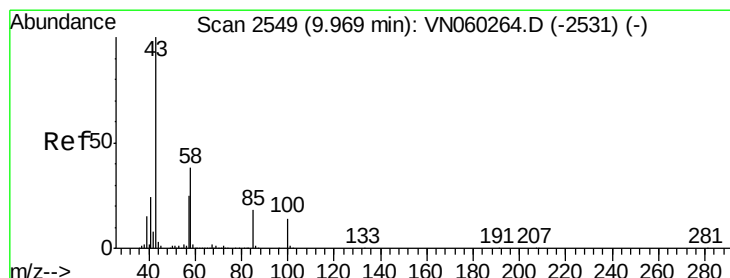
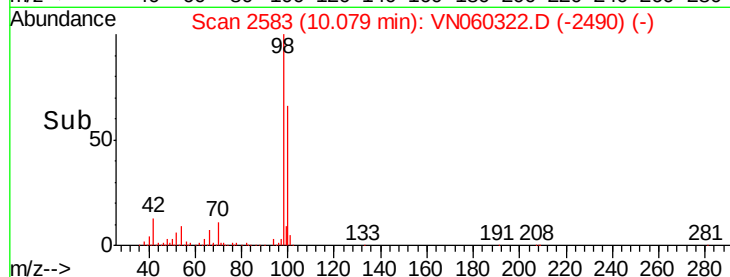
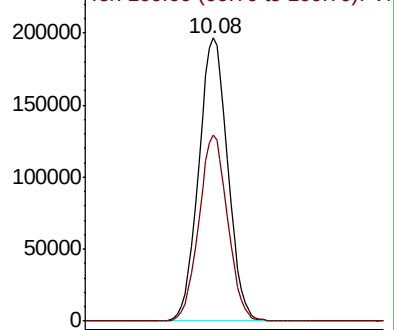
Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060322.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.157 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060322.D

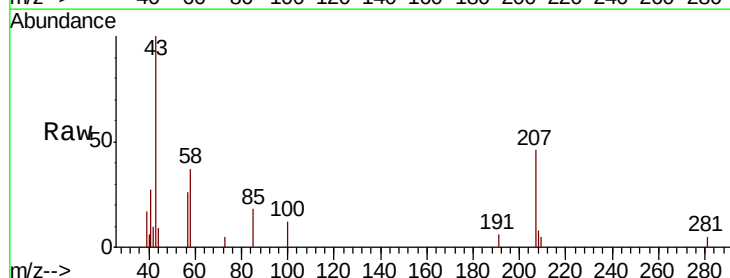
Acq: 3 Mar 2020 12:26

Tgt Ion: 43 Resp: 6338

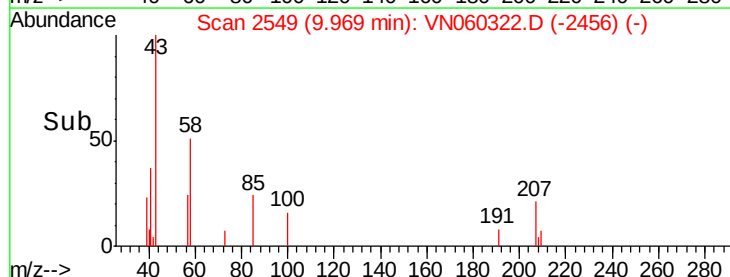
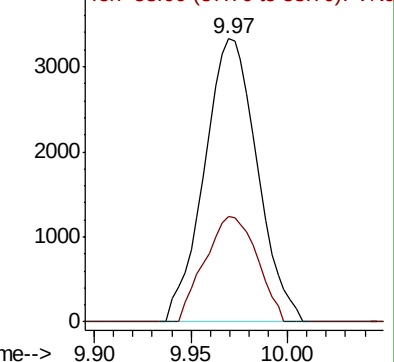
Ion Ratio Lower Upper

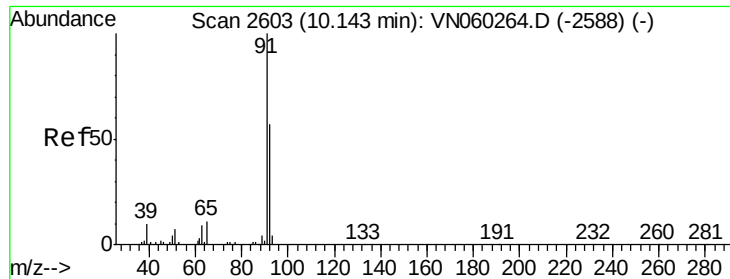
43 100

58 36.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060322.D (-2456) (-)





#52

Toluene

Concen: 0.440 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

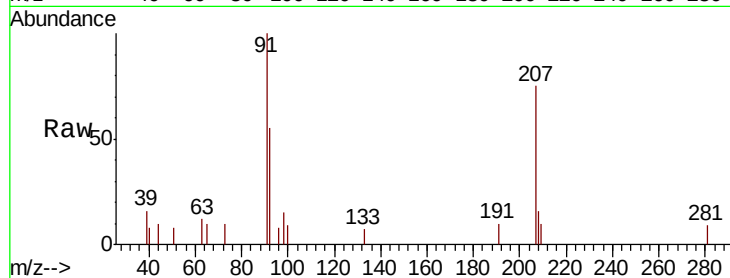
ClientSampled :

Tot Ion: 92 Resp: 2516

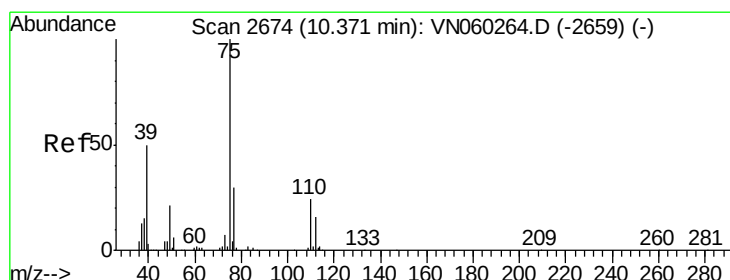
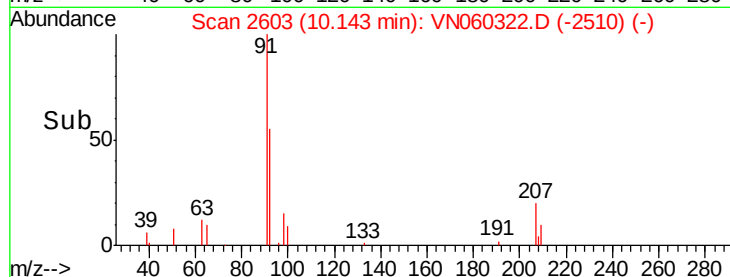
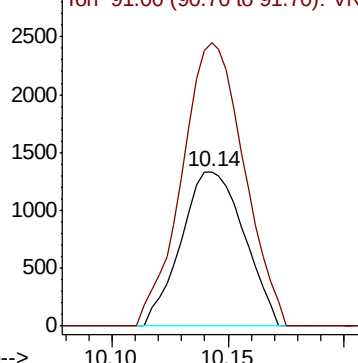
Ion Ratio Lower Upper

92 100

91 181.3 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060322.D (-2510) (-)



#53

t-1,3-Dichloropropene

Concen: 0.429 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN060322.D

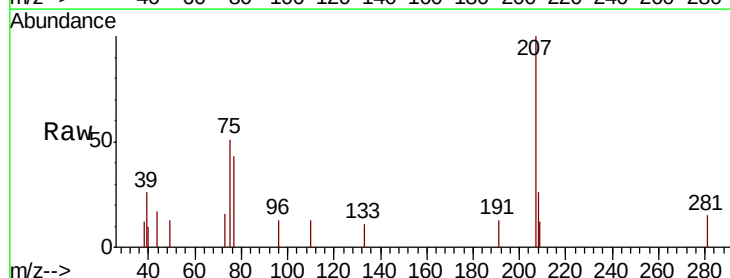
Acq: 3 Mar 2020 12:26

Tgt Ion: 75 Resp: 1649

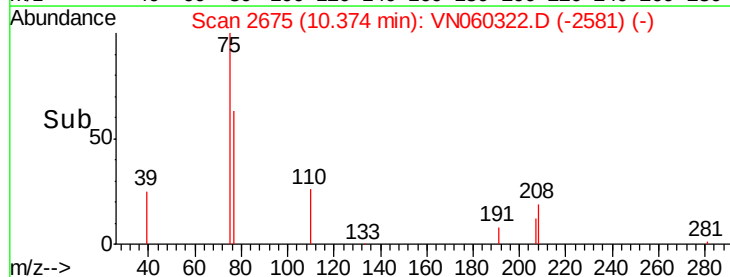
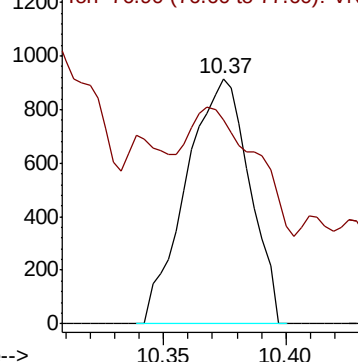
Ion Ratio Lower Upper

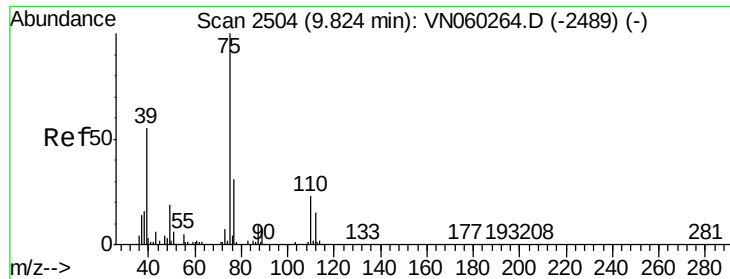
75 100

77 43.6 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060322.D (-2581) (-)



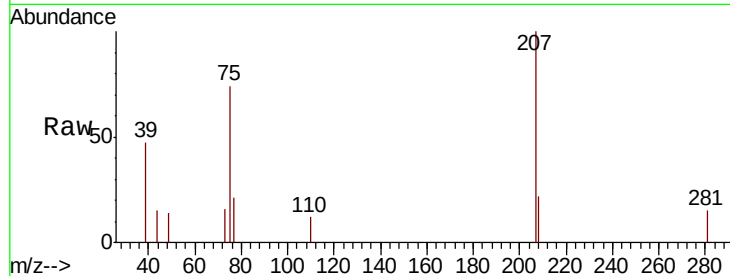


#54

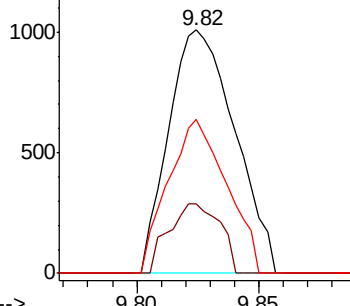
cis-1,3-Dichloropropene
 Concen: 0.476 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :

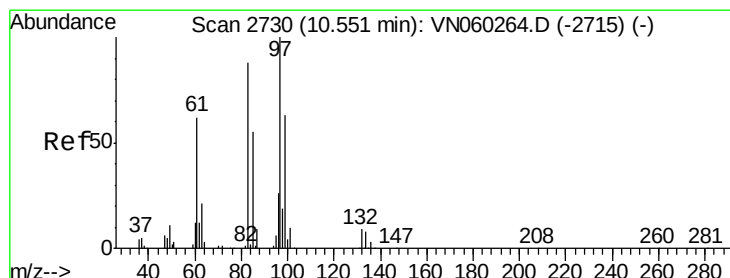
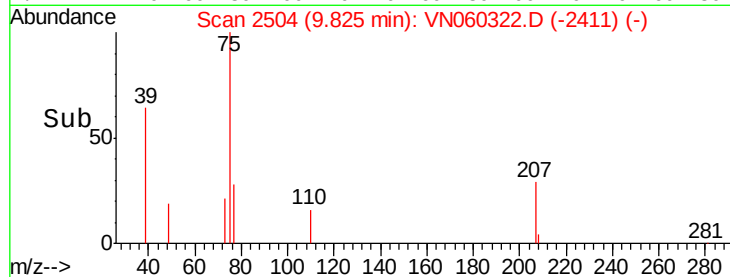
Tot Ion	Ratio	Lower	Upper
75	100		
77	28.4	24.8	37.2
39	63.5	43.8	65.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



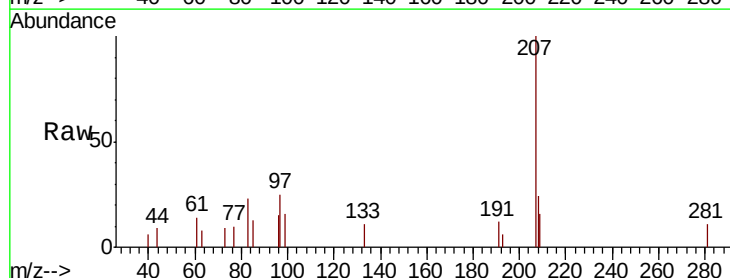
Time-->



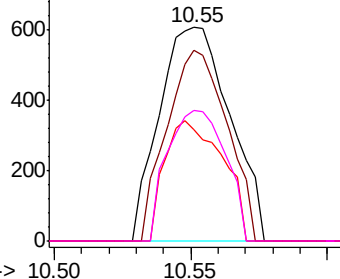
#55

1,1,2-Trichloroethane
 Concen: 0.476 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

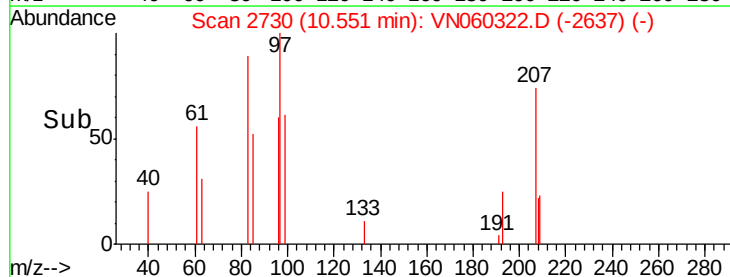
Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.0	105.0
85	52.0	44.0	66.0
99	61.4	50.4	75.6

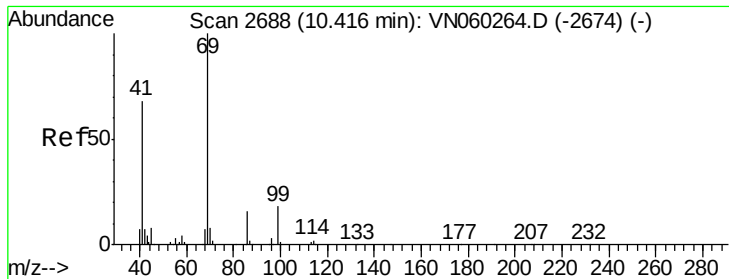


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



Time-->





#56

Ethyl methacrylate

Concen: 0.360 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

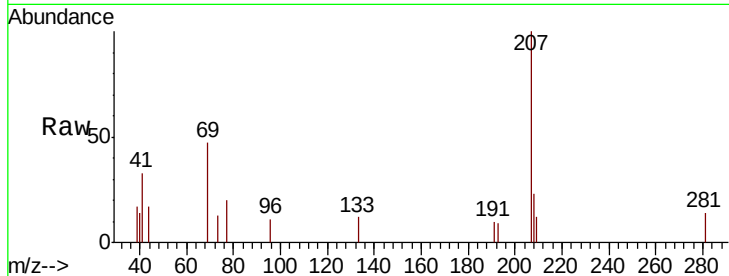
Tot Ion: 69 Resp: 1189

Ion Ratio Lower Upper

69 100

41 87.2 54.1 81.1#

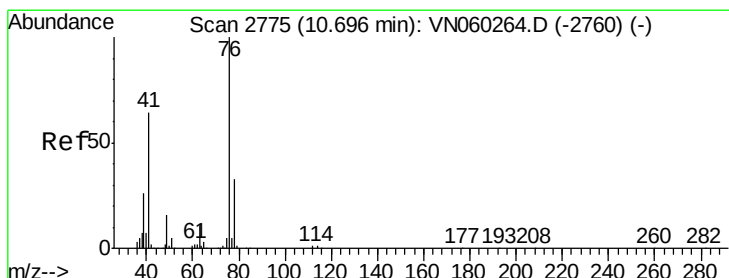
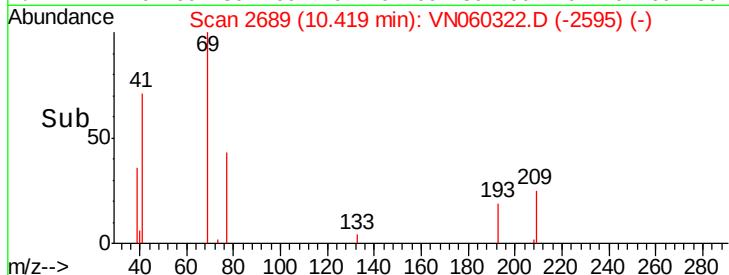
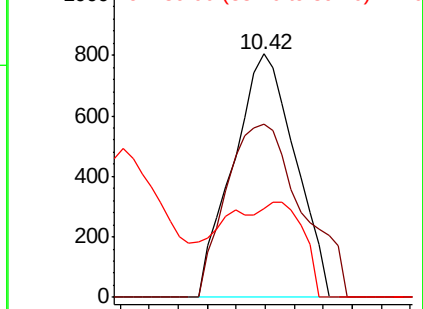
39 5.4 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.431 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN060322.D

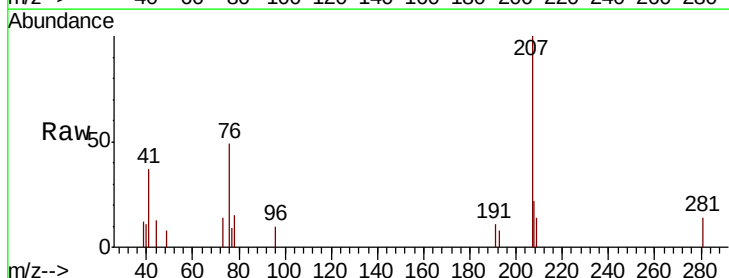
Acq: 3 Mar 2020 12:26

Tgt Ion: 76 Resp: 1615

Ion Ratio Lower Upper

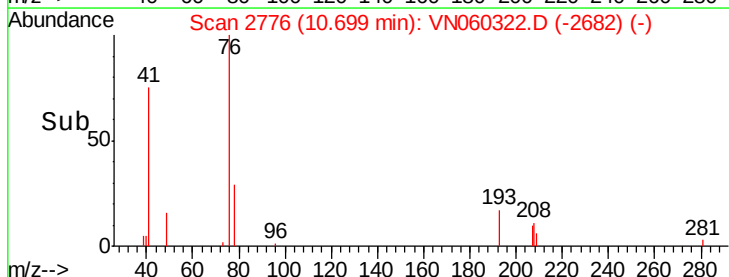
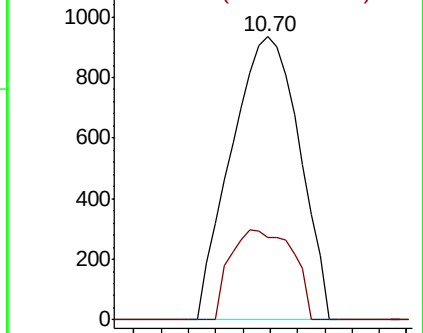
76 100

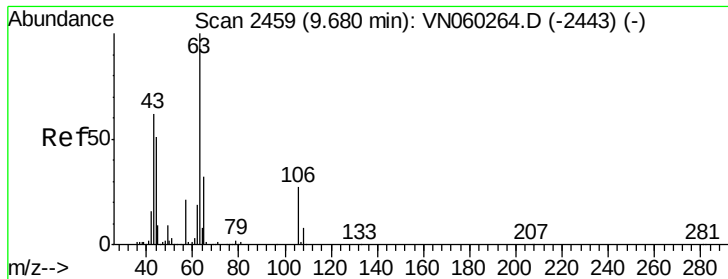
78 29.3 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

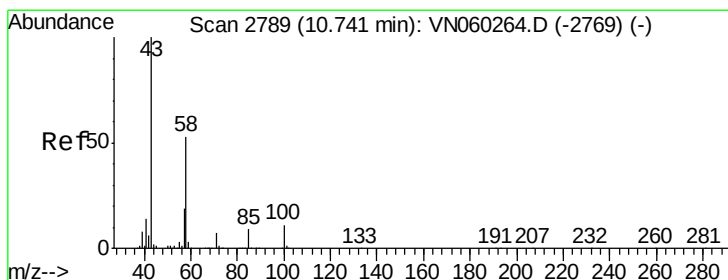
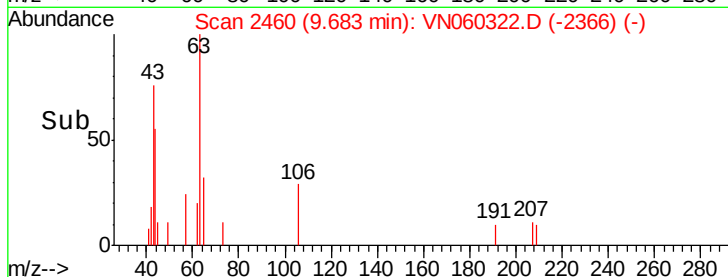
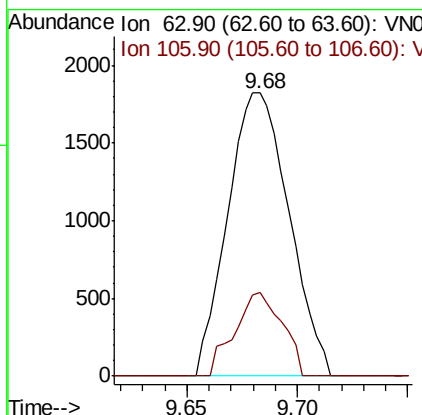
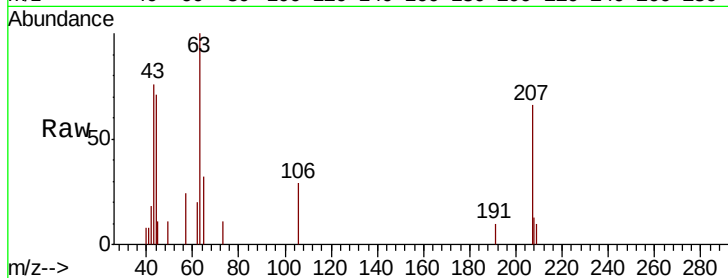




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.030 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

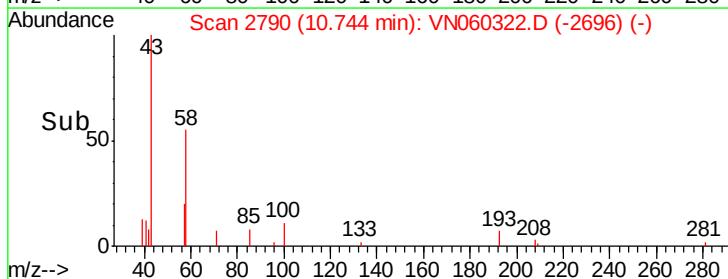
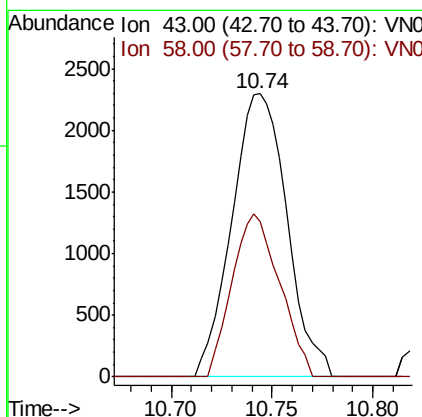
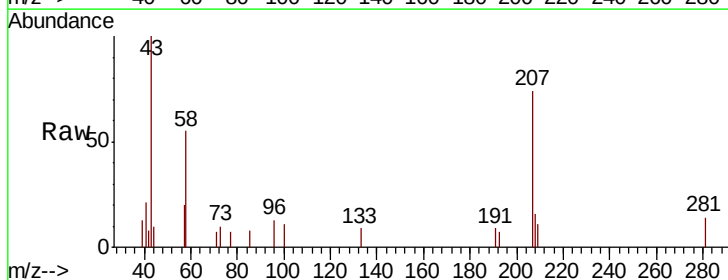
Instrument :
 MSVOA_N
 ClientSampled :

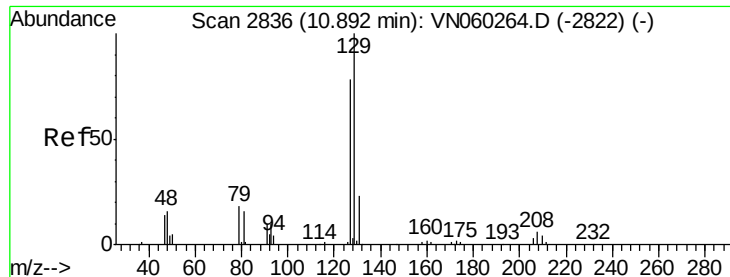
Tot Ion: 63 Resp: 3505
 Ion Ratio Lower Upper
 63 100
 106 22.9 21.1 31.7



#59
 2-Hexanone
 Concen: 2.036 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 43 Resp: 4391
 Ion Ratio Lower Upper
 43 100
 58 49.7 26.5 79.5





#60

Dibromochloromethane

Concen: 0.394 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

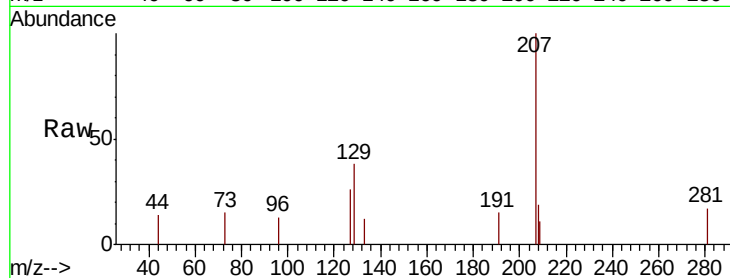
ClientSampled :

Tot Ion:129 Resp: 920

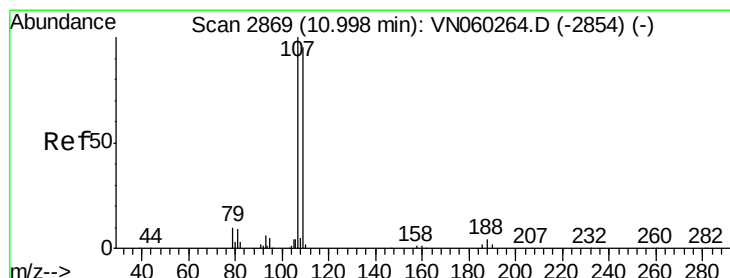
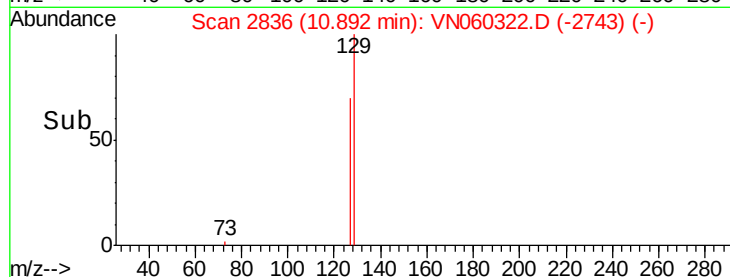
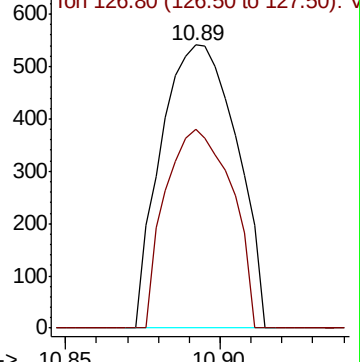
Ion Ratio Lower Upper

129 100

127 62.0 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V



#61

1,2-Dibromoethane

Concen: 0.383 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060322.D

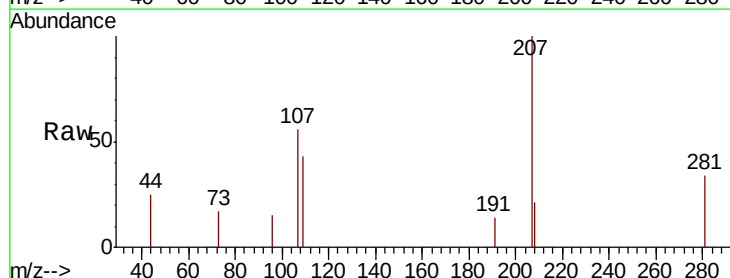
Acq: 3 Mar 2020 12:26

Tgt Ion:107 Resp: 859

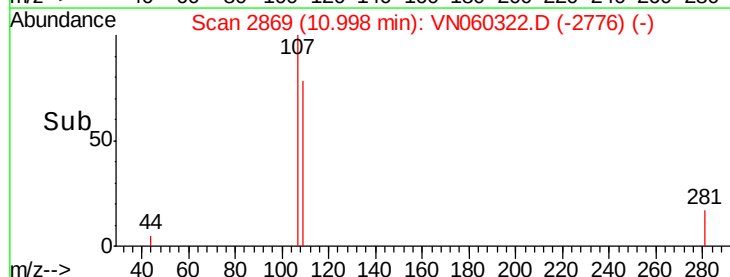
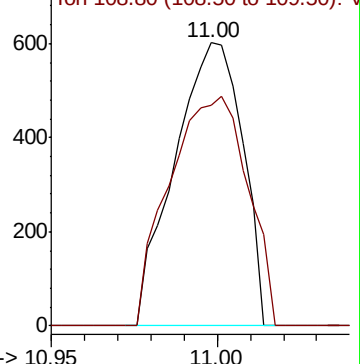
Ion Ratio Lower Upper

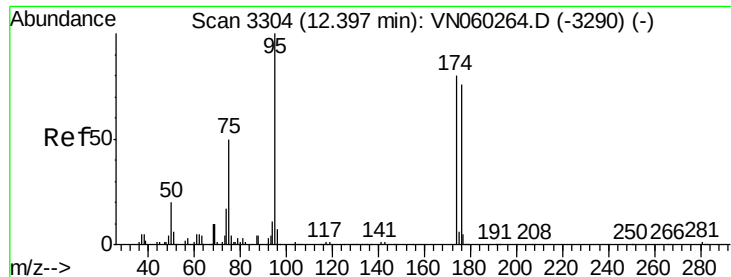
107 100

109 93.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

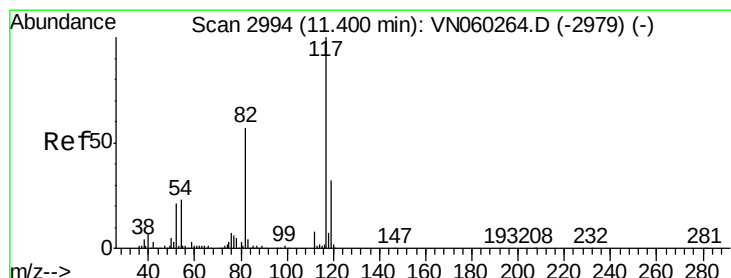
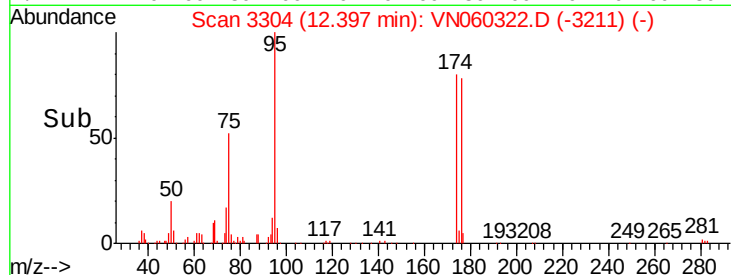
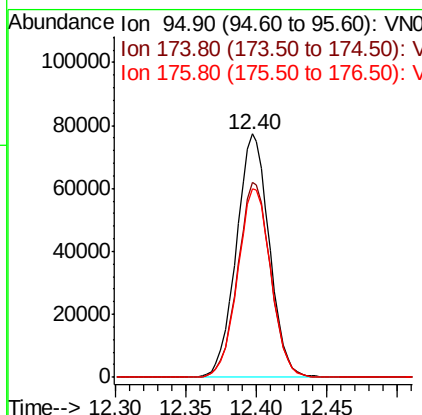
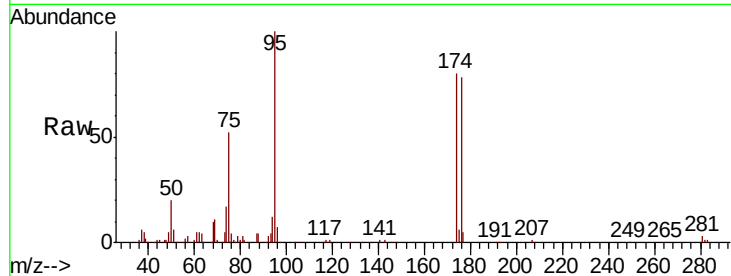




#62
4-Bromofluorobenzene
Concen: 43.304 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

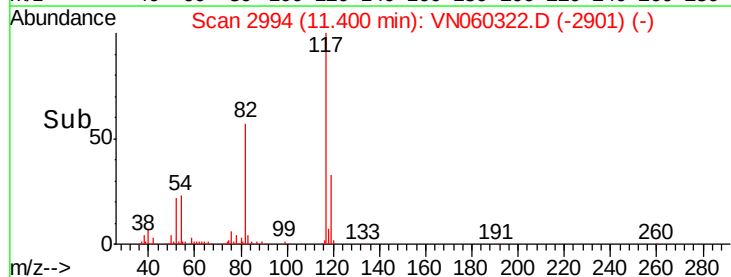
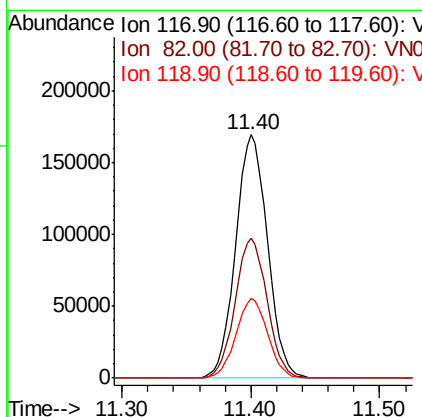
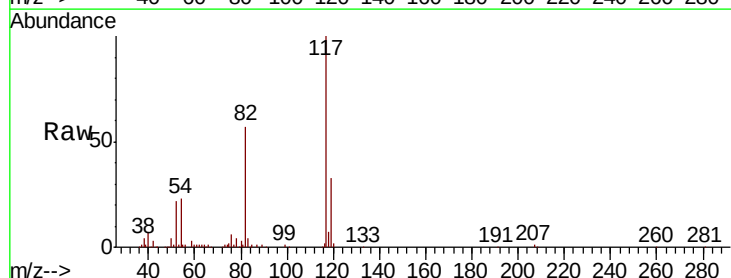
Instrument :
MSVOA_N
ClientSampled :

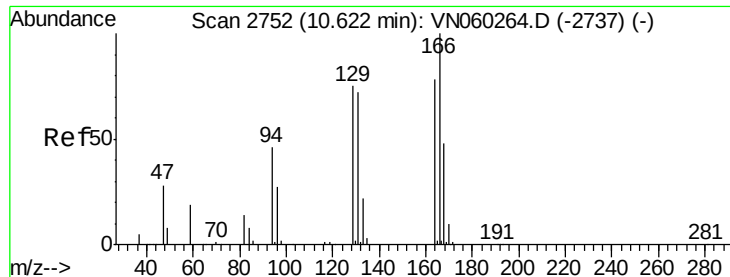
Tot Ion: 95 Resp: 126475
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 78.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 117 Resp: 291098
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 32.7 25.8 38.8





#64

Tetrachloroethene

Concen: 0.523 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 1353

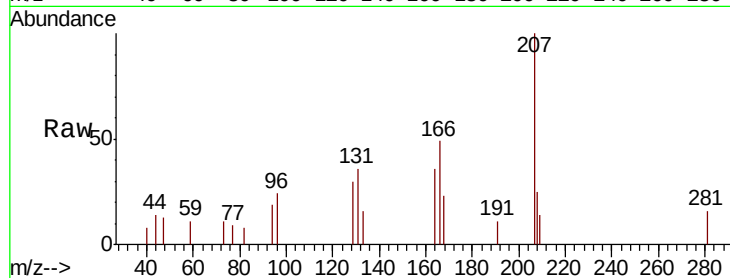
Ion Ratio Lower Upper

164 100

166 134.5 102.0 153.0

129 83.6 76.4 114.6

131 98.5 73.6 110.4

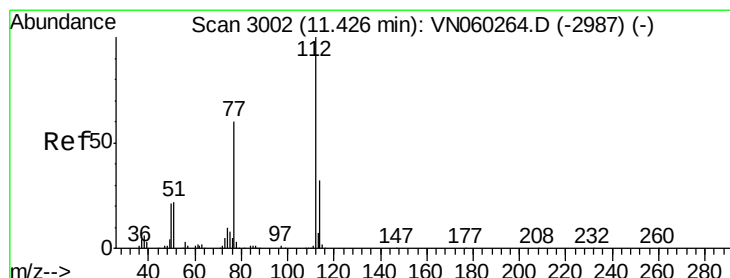
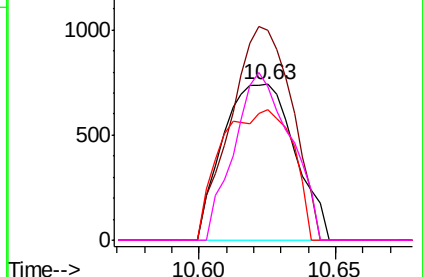
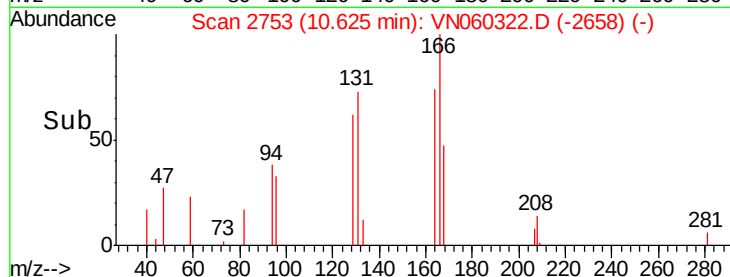


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.448 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060322.D

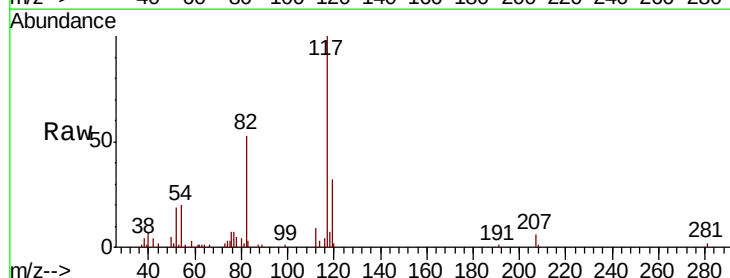
Acq: 3 Mar 2020 12:26

Tgt Ion:112 Resp: 2631

Ion Ratio Lower Upper

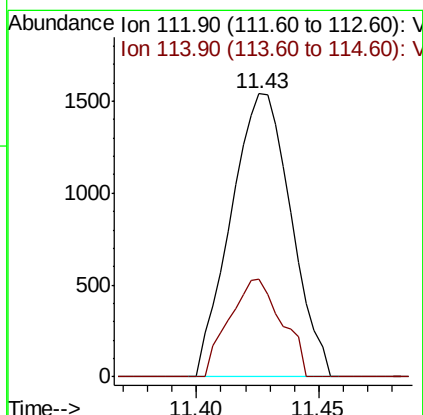
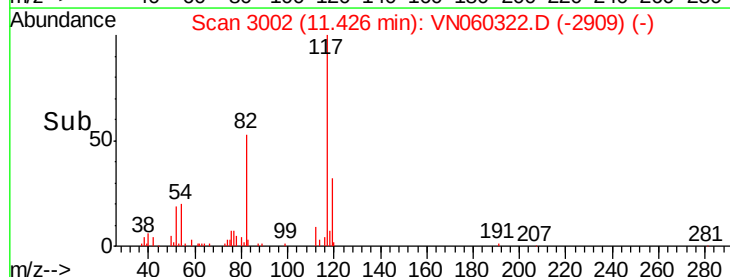
112 100

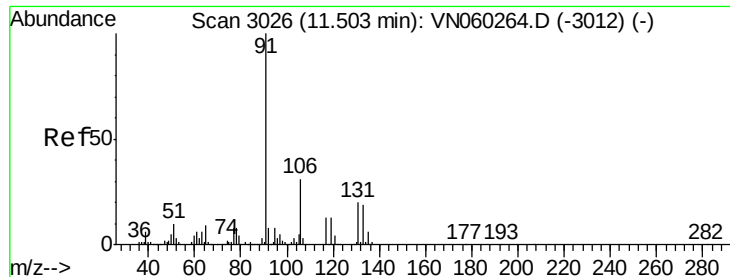
114 34.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.380 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

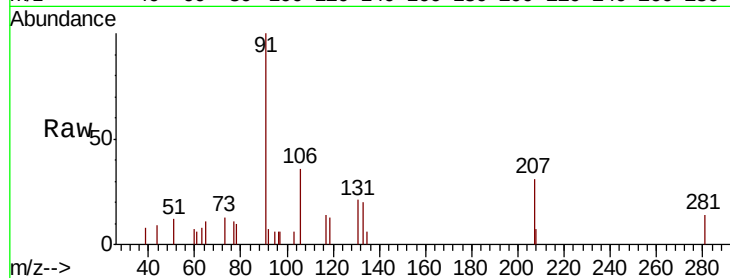
Tot Ion:131 Resp: 825

Ion Ratio Lower Upper

131 100

133 101.6 47.7 143.1

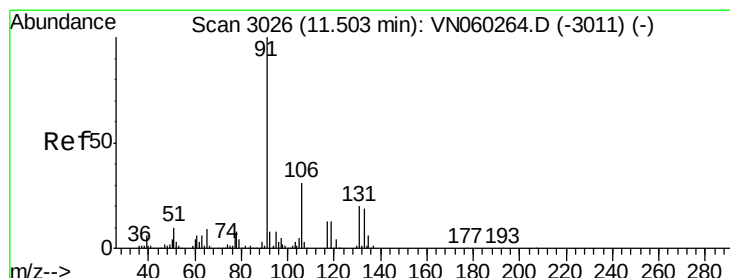
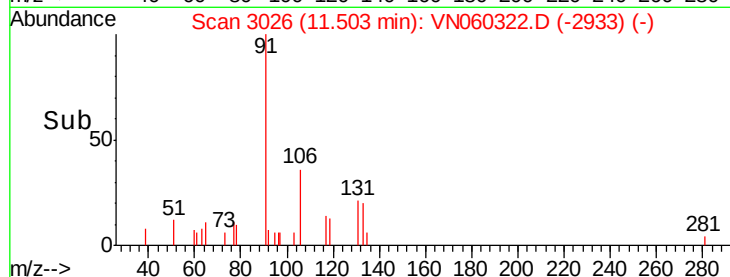
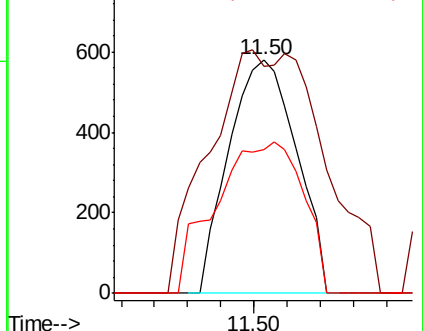
119 0.0 33.2 99.6#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.446 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060322.D

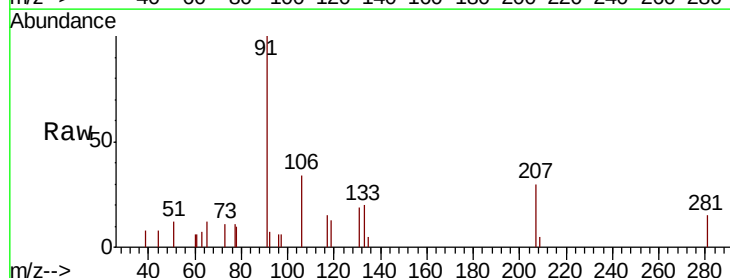
Acq: 3 Mar 2020 12:26

Tgt Ion: 91 Resp: 4778

Ion Ratio Lower Upper

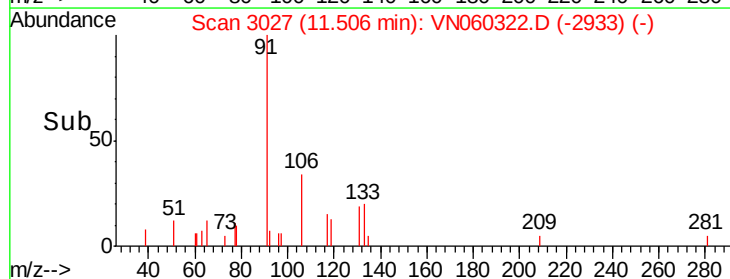
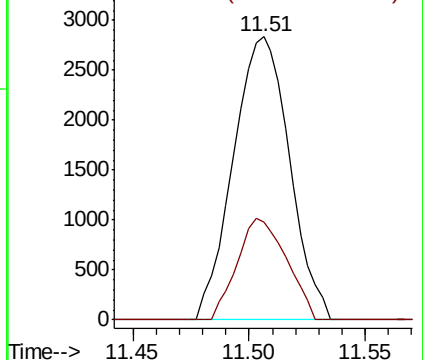
91 100

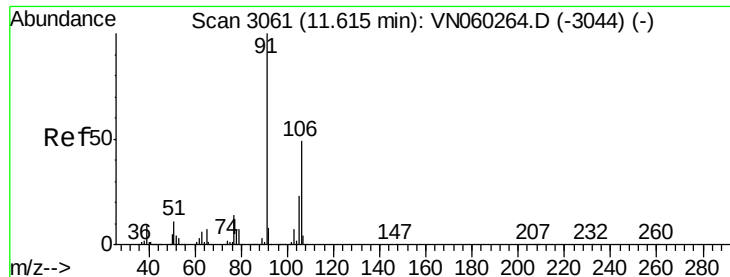
106 34.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

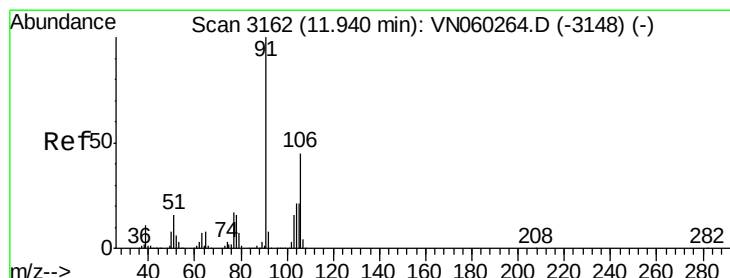
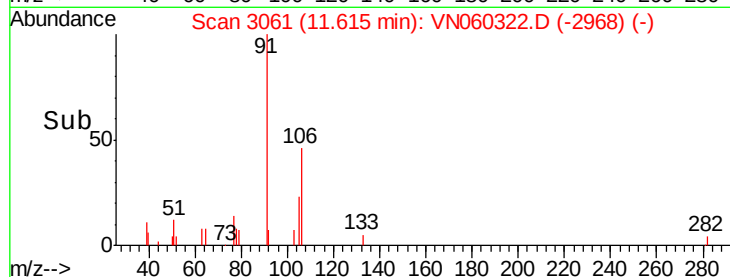
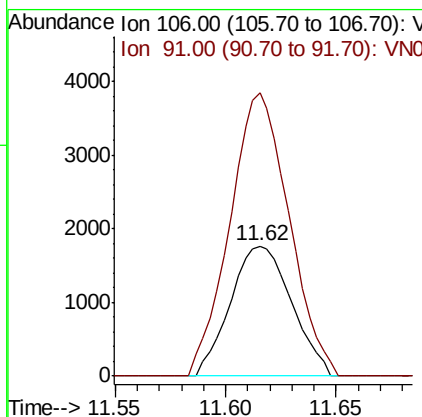
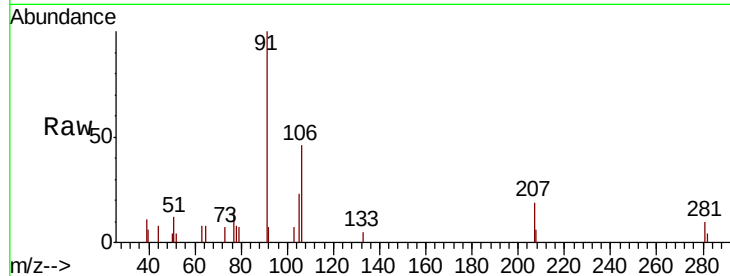




#68
m/p-Xylenes
Concen: 0.841 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

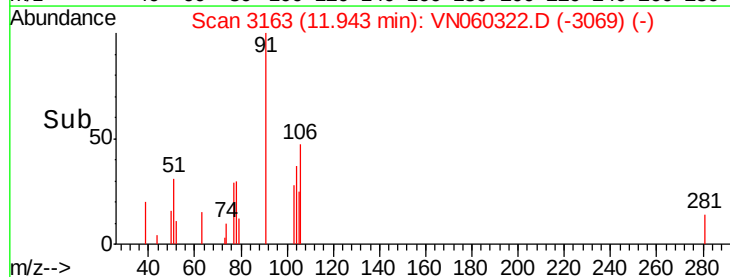
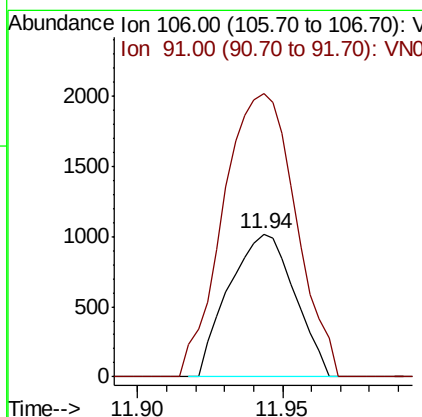
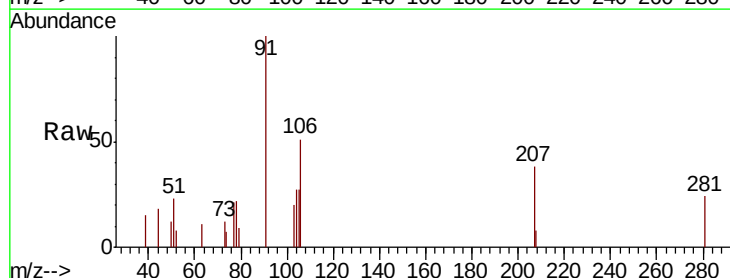
Instrument :
MSVOA_N
ClientSampled :

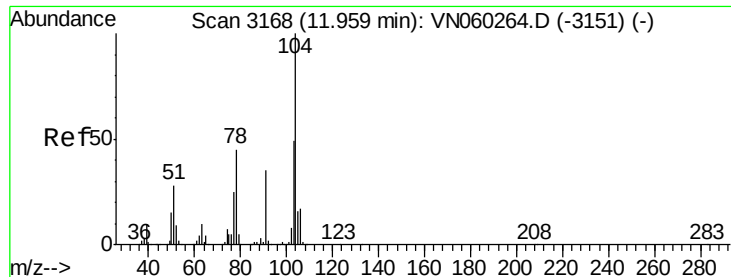
Tot Ion:106 Resp: 3396
Ion Ratio Lower Upper
106 100
91 210.8 164.5 246.7



#69
o-Xylene
Concen: 0.417 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion:106 Resp: 1605
Ion Ratio Lower Upper
106 100
91 218.4 109.5 328.4

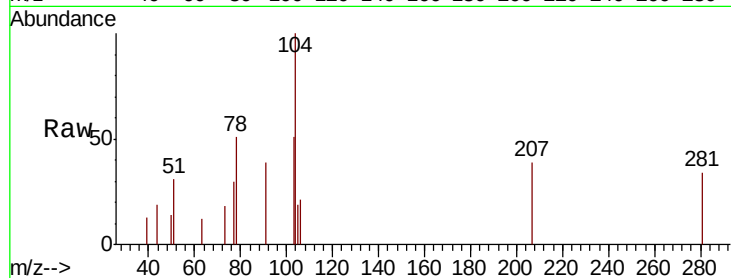




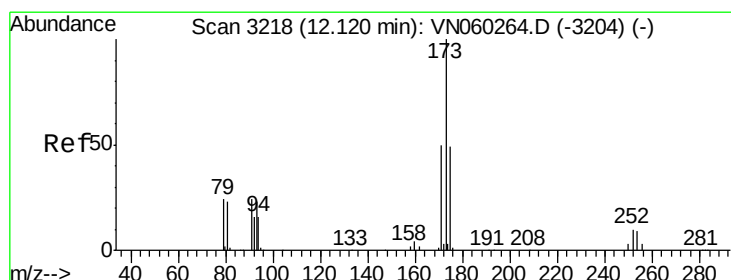
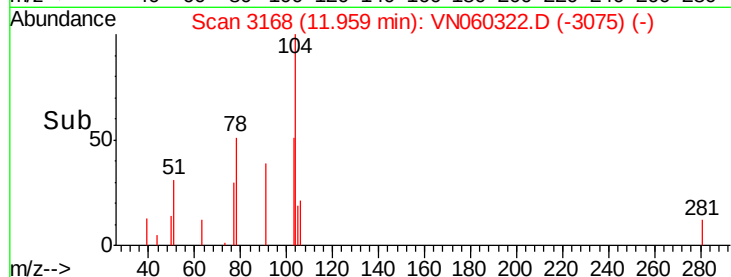
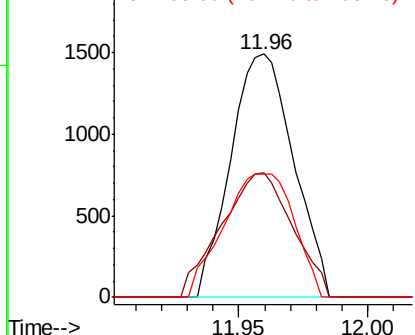
#70
Stvrene
Concen: 0.400 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.1	41.2	61.8
103	56.8	43.9	65.9

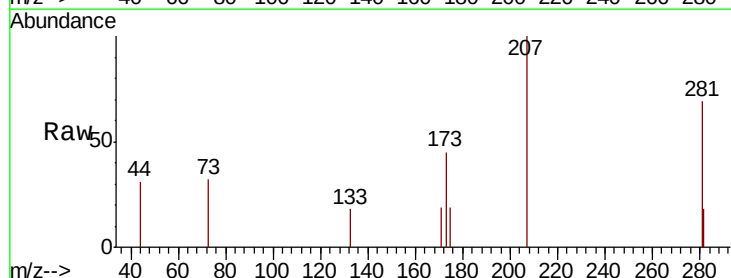


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

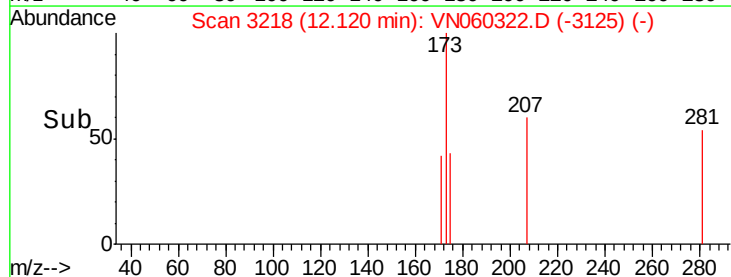
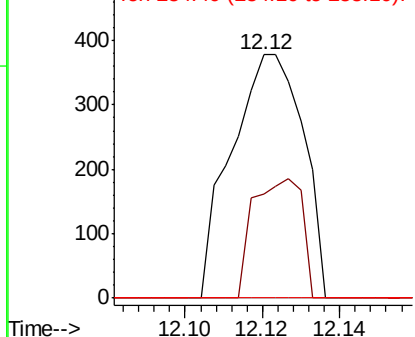


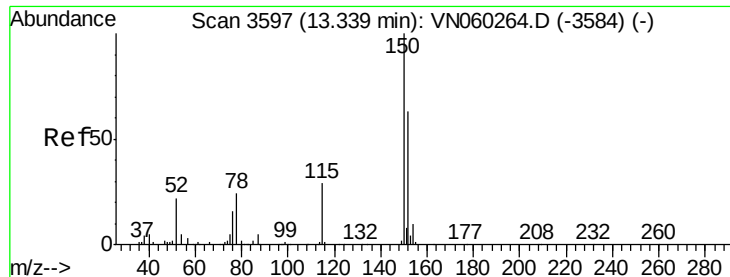
#71
Bromoform
Concen: 0.310 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.1	72.2#
254	0.0	0.0	0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

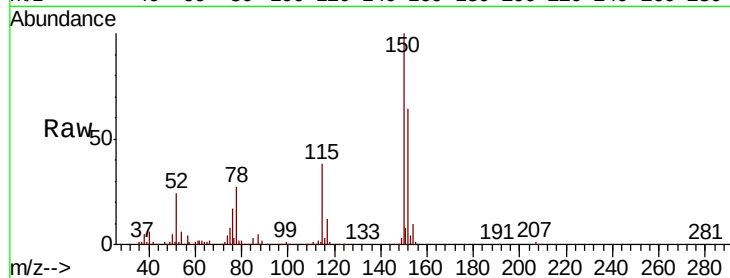
Tot Ion:152 Resp: 129092

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

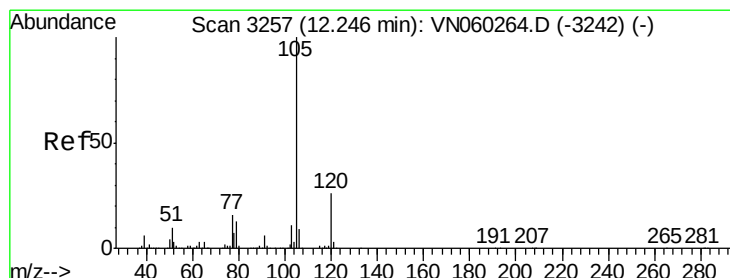
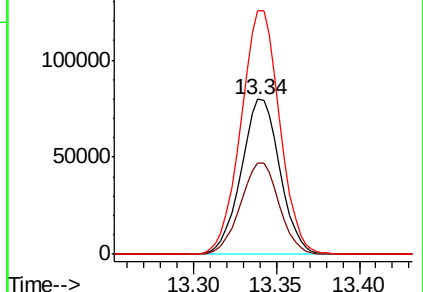
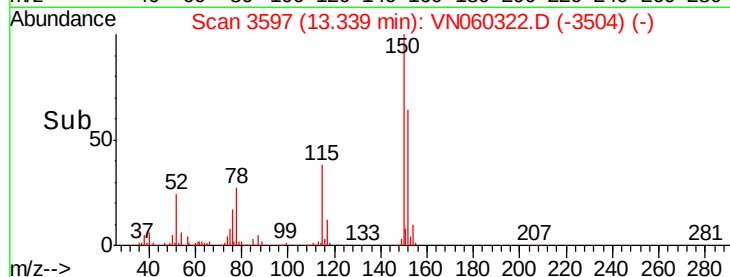
150 157.9 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.463 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060322.D

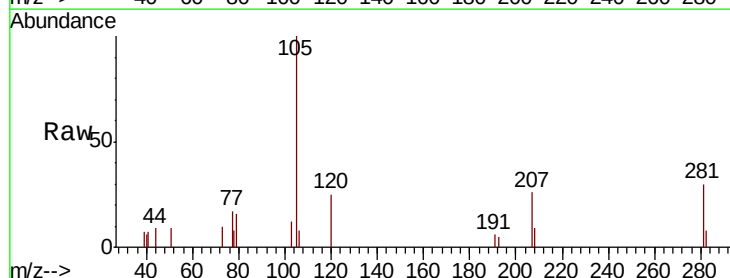
Acq: 3 Mar 2020 12:26

Tgt Ion:105 Resp: 4431

Ion Ratio Lower Upper

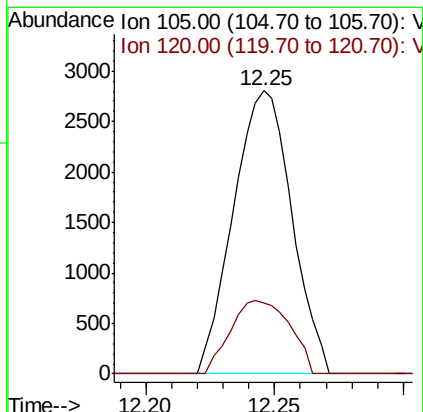
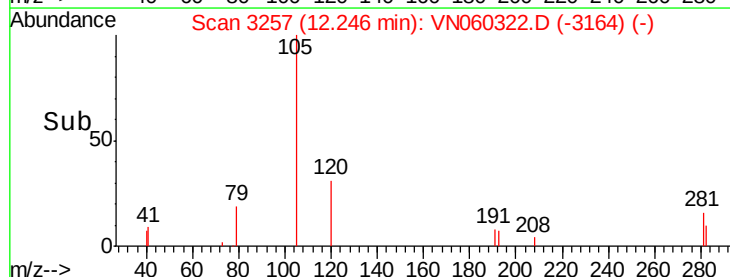
105 100

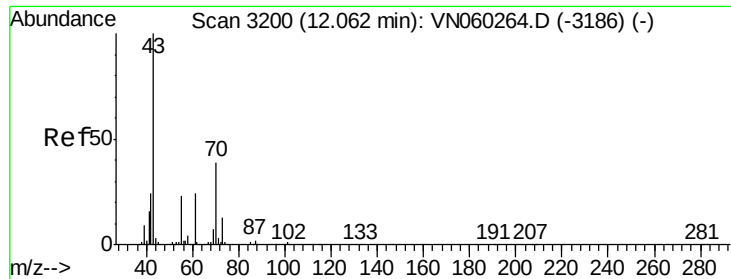
120 26.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

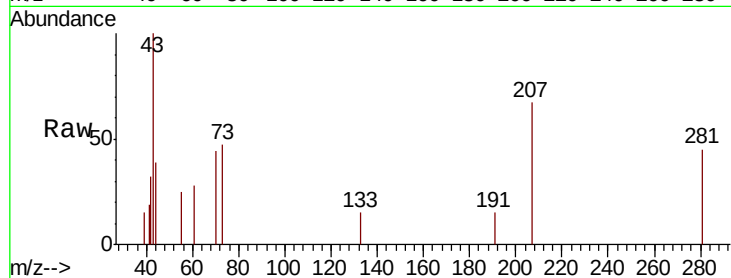




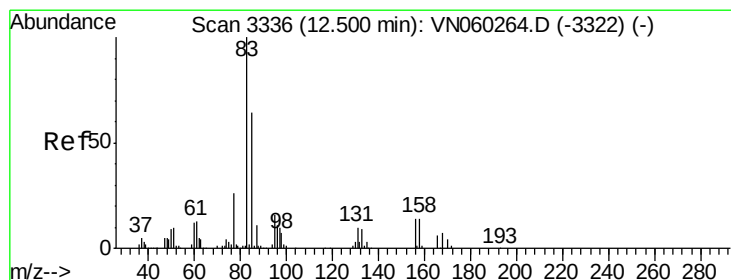
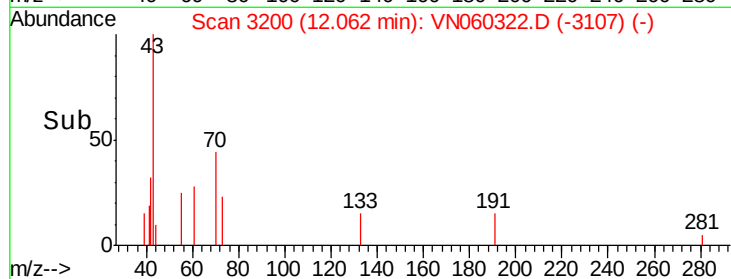
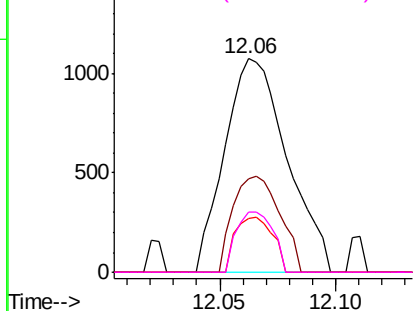
#74
N-amyl acetate
Concen: 0.481 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
70 33.4 32.2 48.2
55 15.3 18.2 27.4#
61 16.5 19.2 28.8#

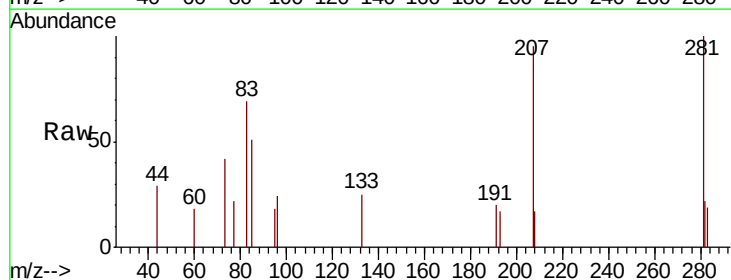


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

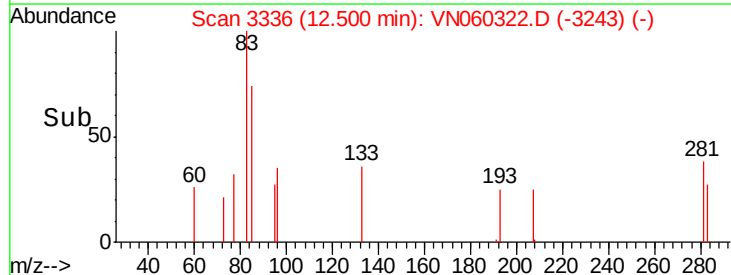
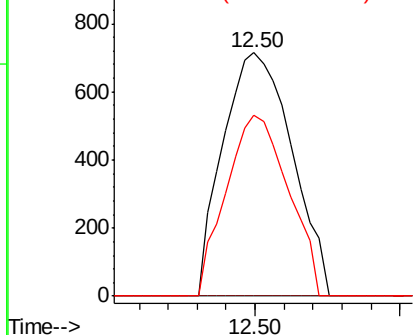


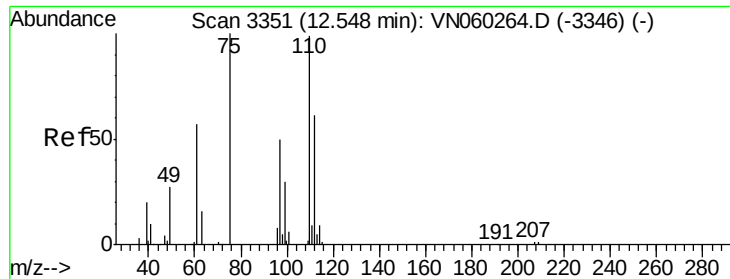
#75
1,1,2,2-Tetrachloroethane
Concen: 0.455 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN060322.D
Acq: 3 Mar 2020 12:26

Tgt Ion: 83 Resp: 1183
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 67.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0

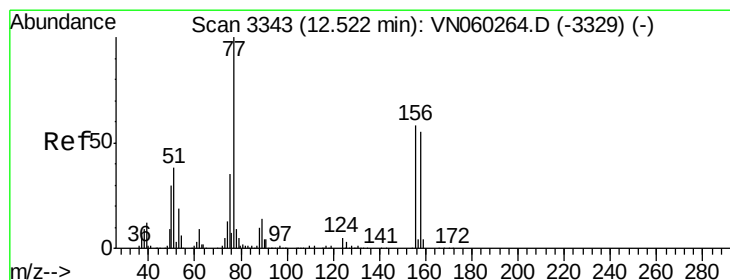
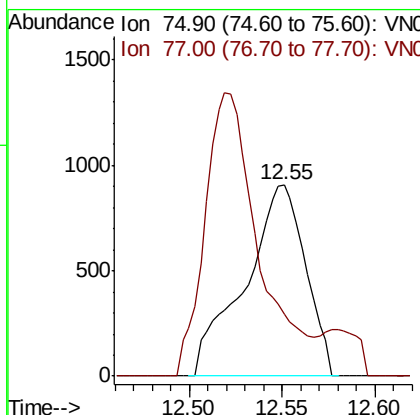
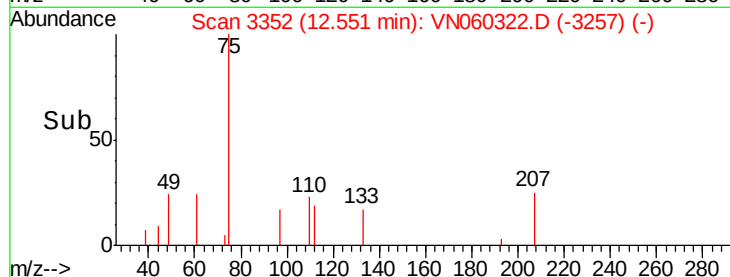
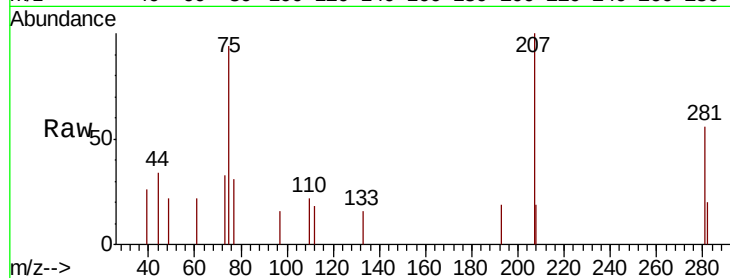




#76
 1,2,3-Trichloropropane
 Concen: 0.732 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

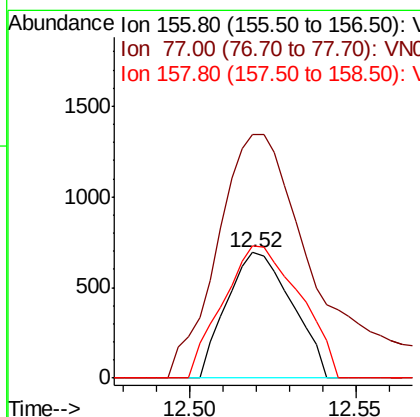
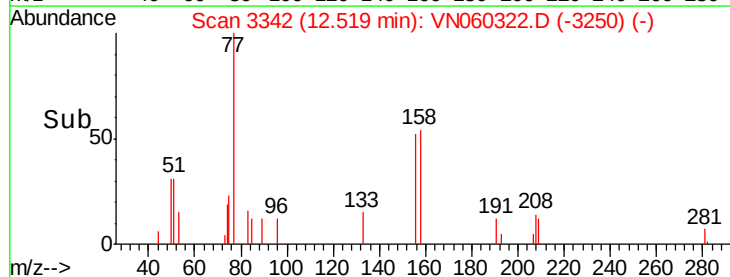
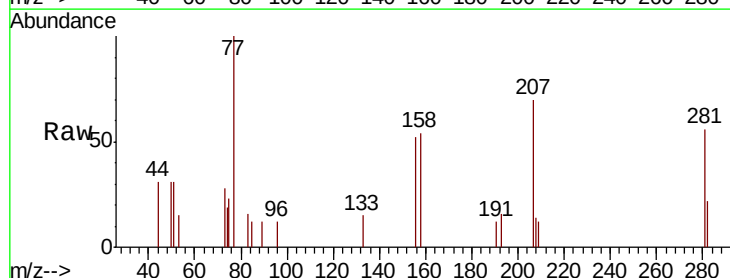
Instrument :
 MSVOA_N
 ClientSampled :

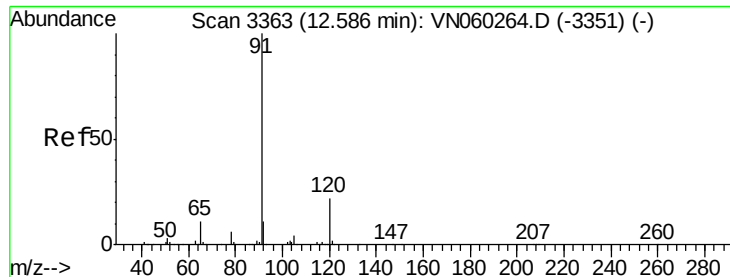
Tot Ion: 75 Resp: 2074
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.404 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 156 Resp: 948
 Ion Ratio Lower Upper
 156 100
 77 284.5 106.1 318.3
 158 124.3 48.3 144.8





#78

n-propylbenzene

Concen: 0.465 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

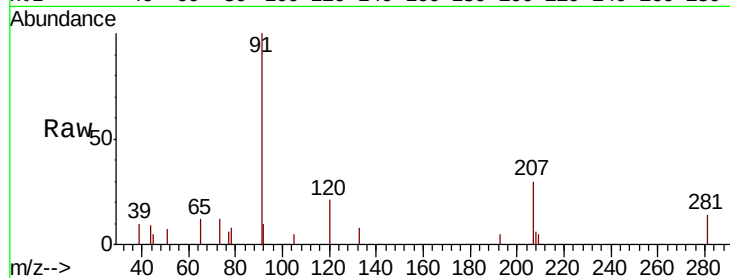
ClientSampled :

Tot Ion: 91 Resp: 5214

Ion Ratio Lower Upper

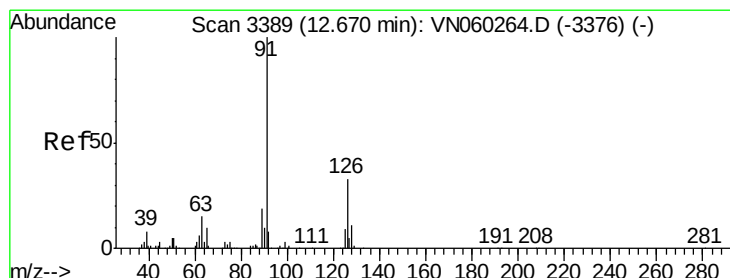
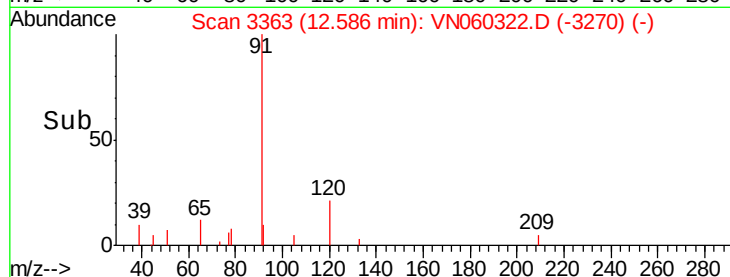
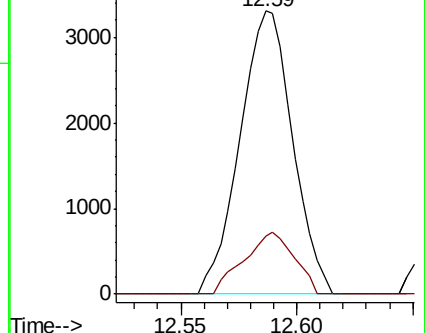
91 100

120 21.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN060322.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060322.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 0.491 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060322.D

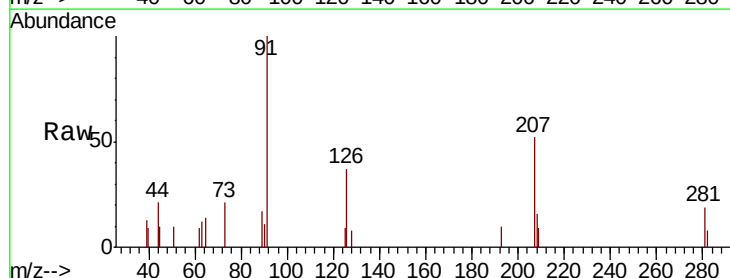
Acq: 3 Mar 2020 12:26

Tgt Ion: 91 Resp: 3240

Ion Ratio Lower Upper

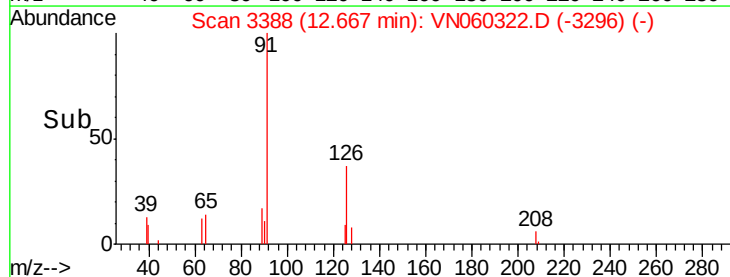
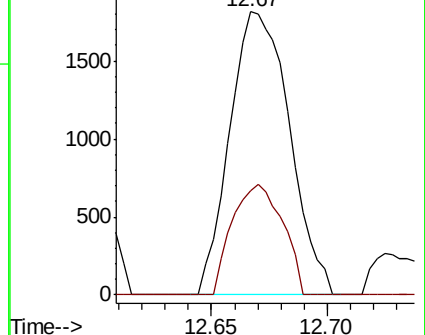
91 100

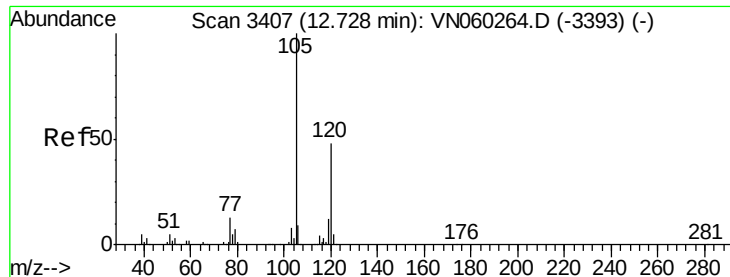
126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060322.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060322.D (-3376) (-)

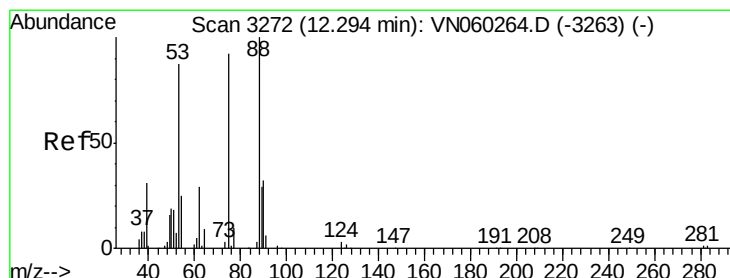
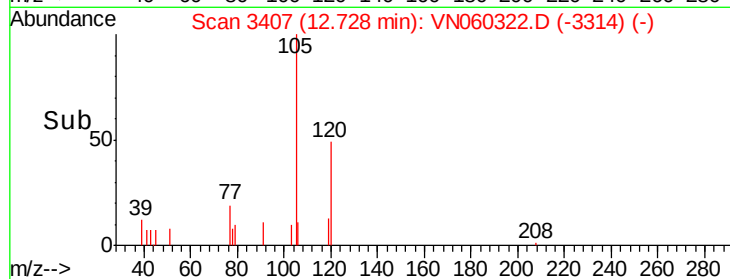
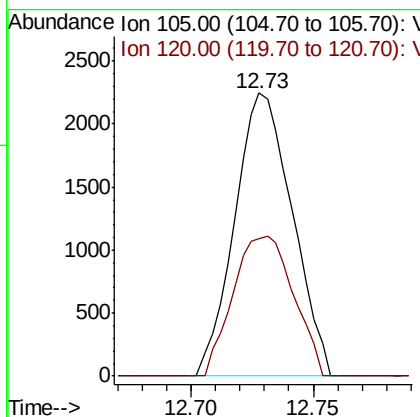
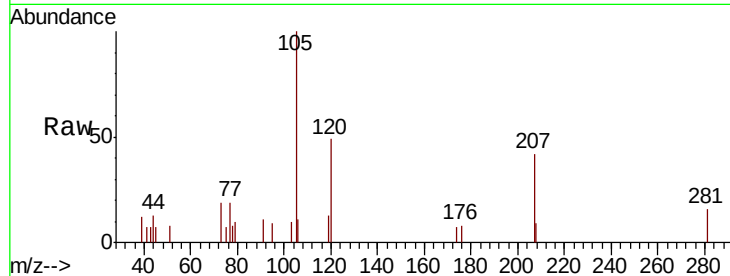




#80
 1,3,5-Trimethylbenzene
 Concen: 0.455 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

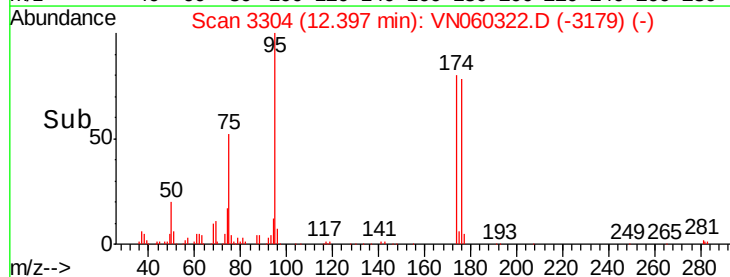
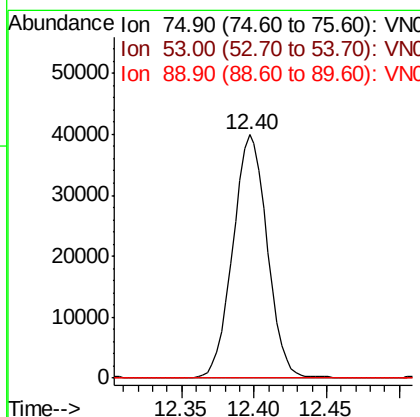
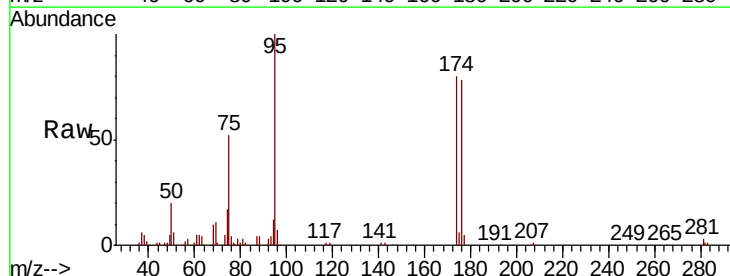
Instrument :
 MSVOA_N
 ClientSampled :

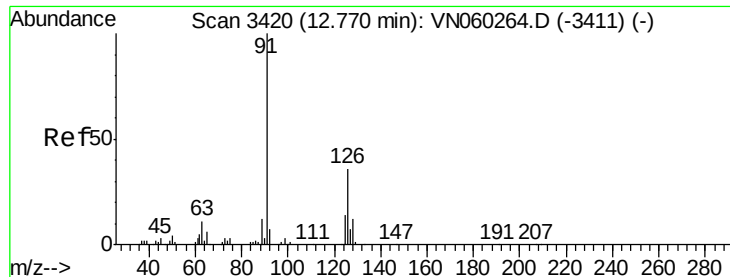
Tot Ion:105 Resp: 3669
 Ion Ratio Lower Upper
 105 100
 120 52.0 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.798 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 75 Resp: 65458
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#82

4-Chlorotoluene

Concen: 0.490 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

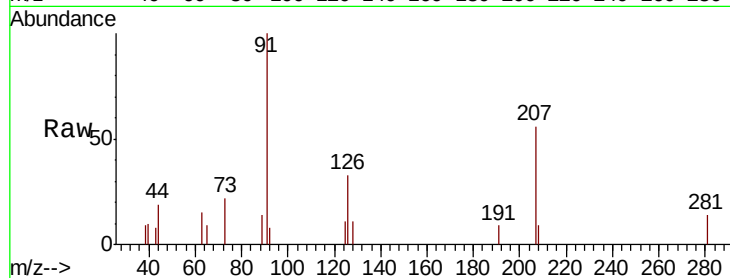
ClientSampleId :

Tot Ion: 91 Resp: 3401

Ion Ratio Lower Upper

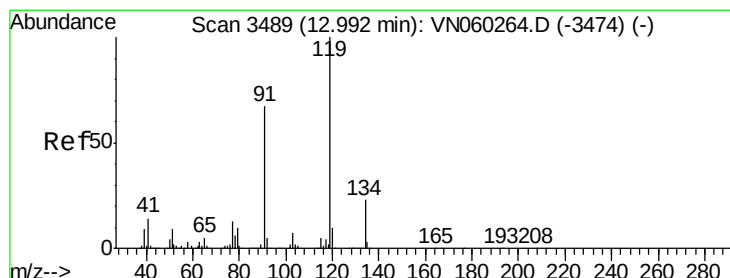
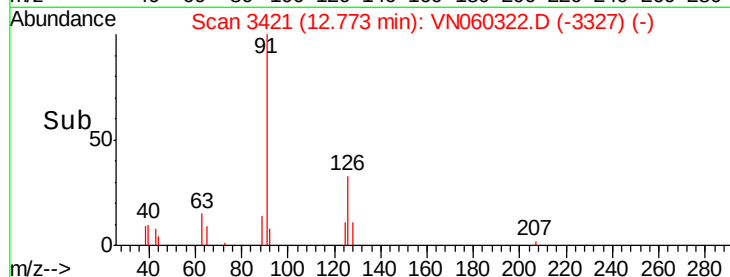
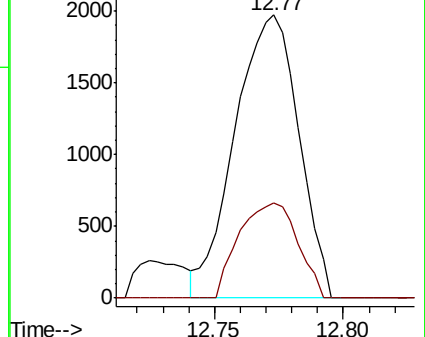
91 100

126 31.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN060322.D (-3420) (-)

Ion 125.90 (125.60 to 126.60): VN060322.D (-3420) (-)



#83

tert-Butylbenzene

Concen: 0.483 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

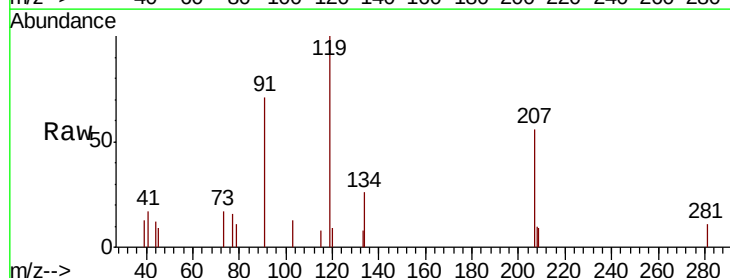
Tgt Ion: 119 Resp: 3372

Ion Ratio Lower Upper

119 100

91 66.7 33.1 99.2

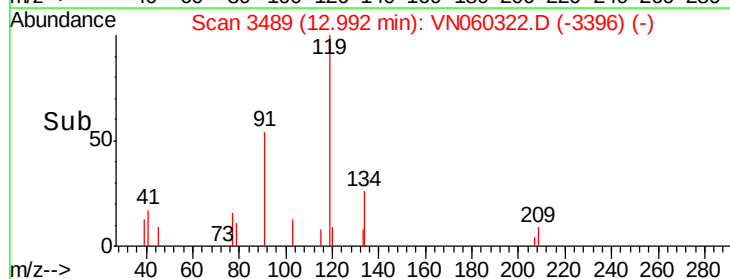
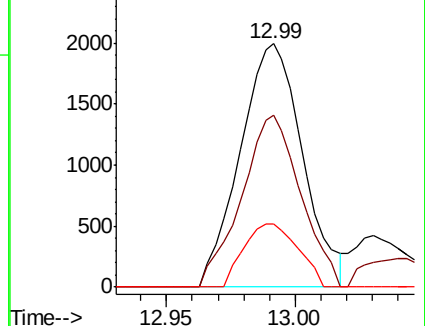
134 22.5 12.4 37.0

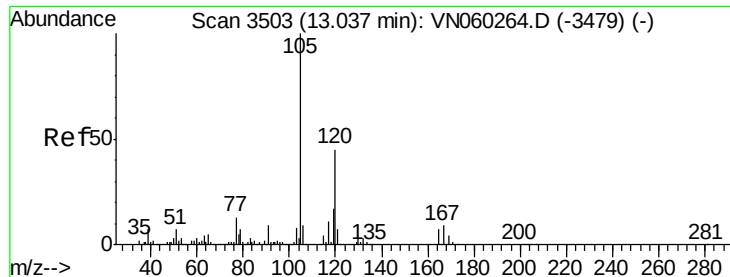


Abundance Ion 119.00 (118.70 to 119.70): VN060322.D (-3488) (-)

Ion 91.00 (90.70 to 91.70): VN060322.D (-3488) (-)

Ion 134.00 (133.70 to 134.70): VN060322.D (-3488) (-)

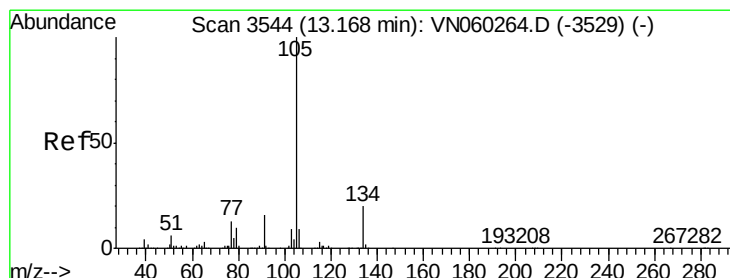
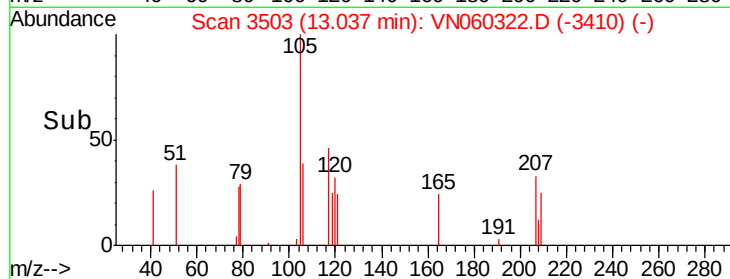
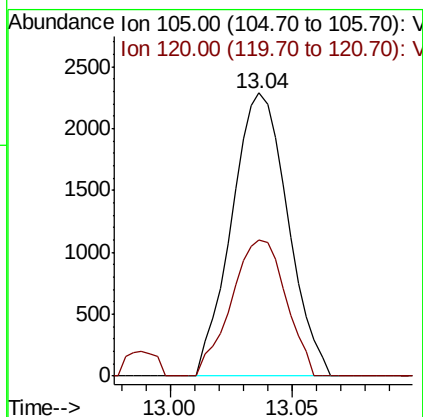
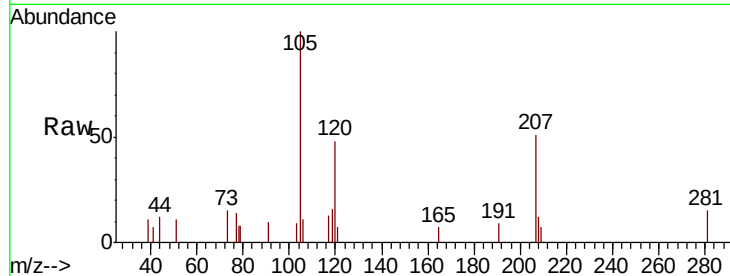




#84
 1,2,4-Trimethylbenzene
 Concen: 0.449 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

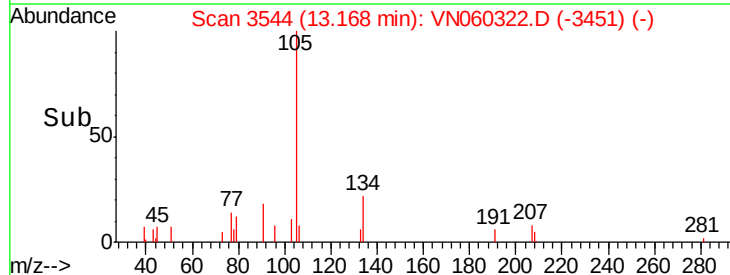
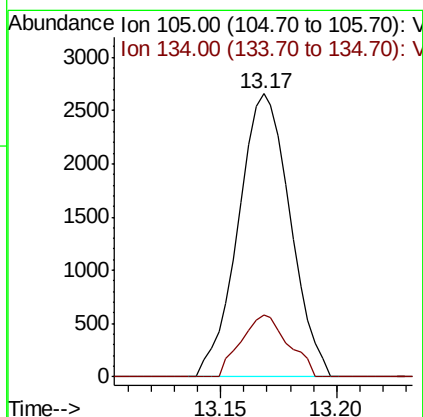
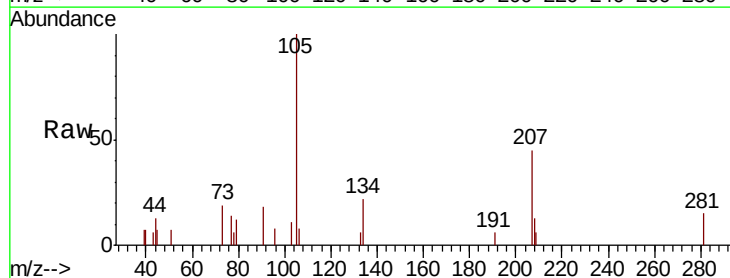
Instrument :
 MSVOA_N
 ClientSampled :

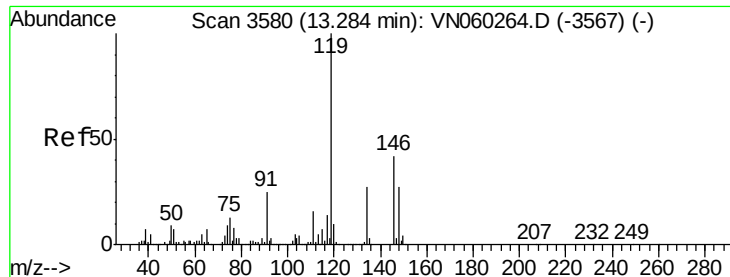
Tot Ion:105 Resp: 3649
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.3 66.9



#85
 sec-Butylbenzene
 Concen: 0.443 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion:105 Resp: 4137
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.5

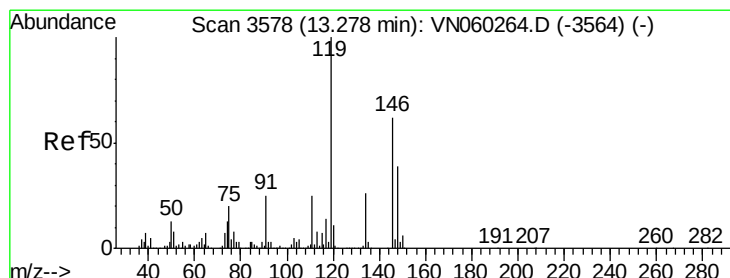
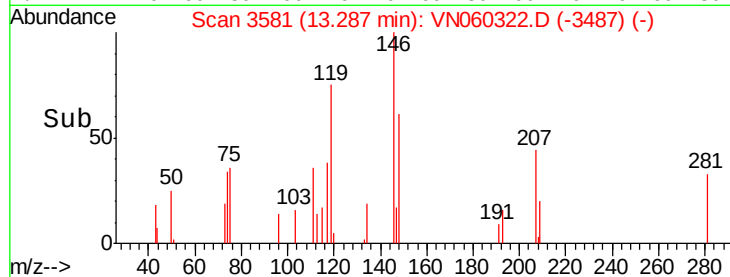
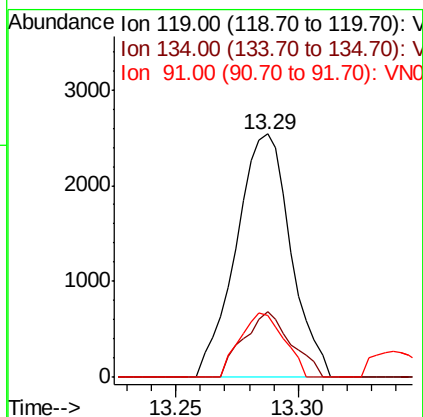
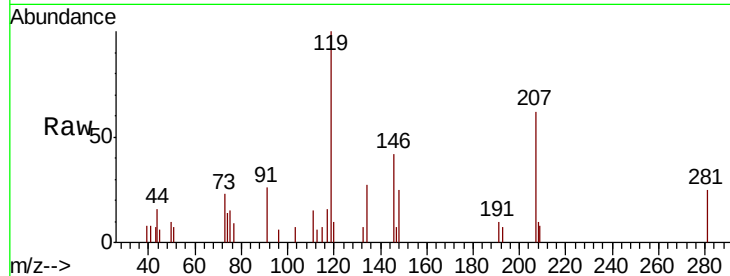




#86
 p-Isopropyltoluene
 Concen: 0.455 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

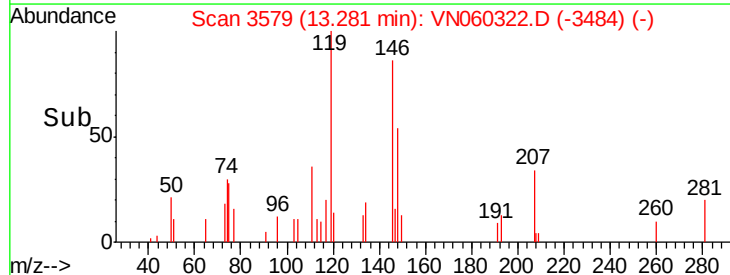
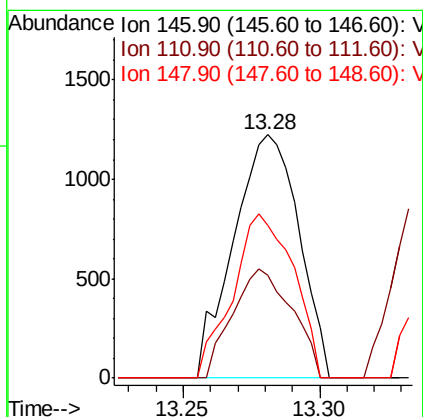
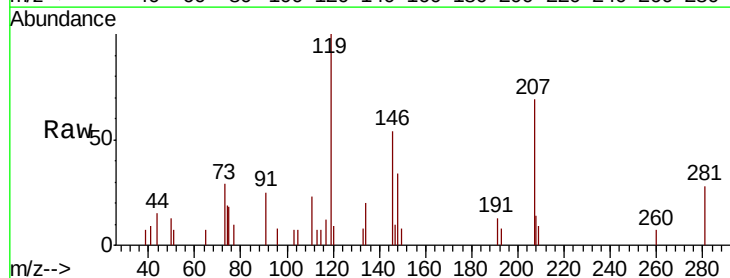
Instrument :
 MSVOA_N
 ClientSampled :

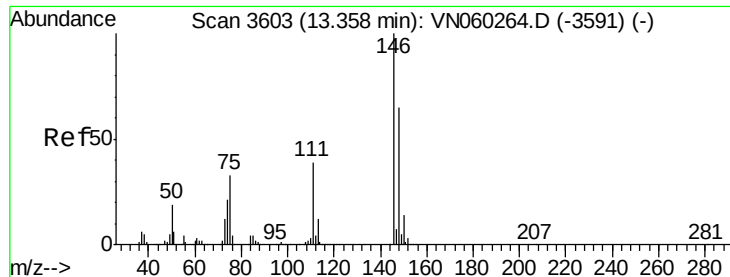
Tot Ion	Ratio	Lower	Upper
119	100		
134	23.4	13.2	39.6
91	21.5	12.2	36.6



#87
 1,3-Dichlorobenzene
 Concen: 0.461 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	59.9
148	62.8	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 0.463 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

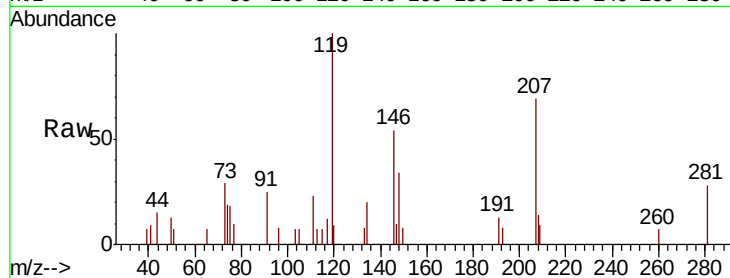
Tot Ion:146 Resp: 2031

Ion Ratio Lower Upper

146 100

111 41.1 19.8 59.4

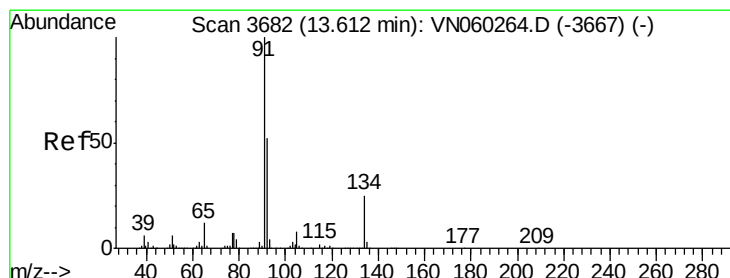
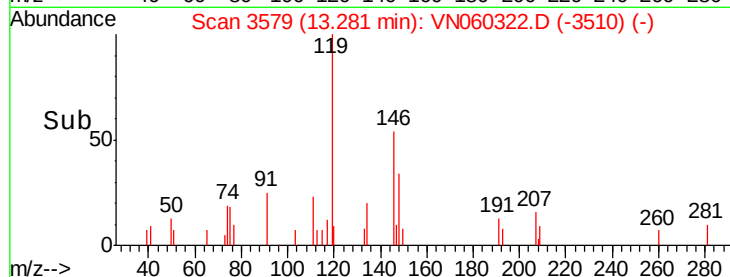
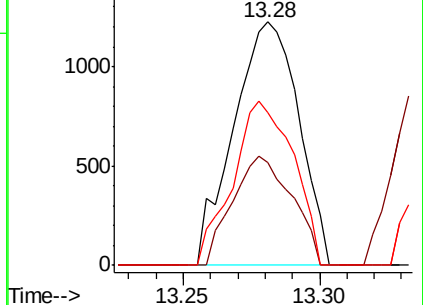
148 62.8 32.3 96.9



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



#89

n-Butylbenzene

Concen: 0.459 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

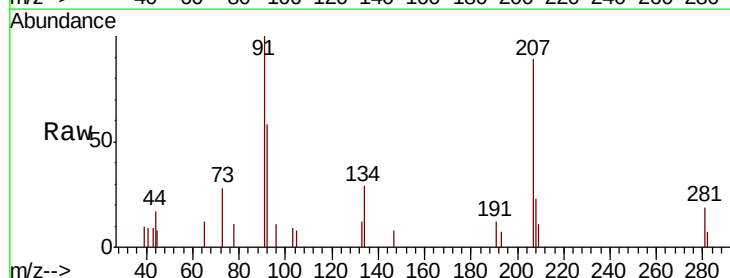
Tgt Ion: 91 Resp: 3644

Ion Ratio Lower Upper

91 100

92 56.0 26.0 78.0

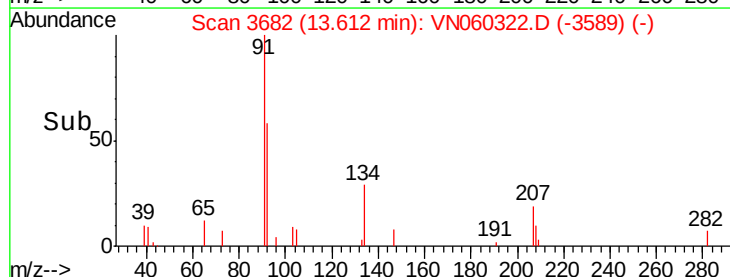
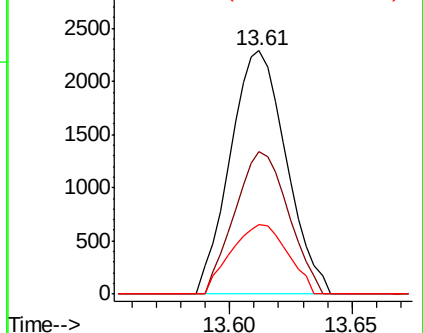
134 28.9 12.7 38.1

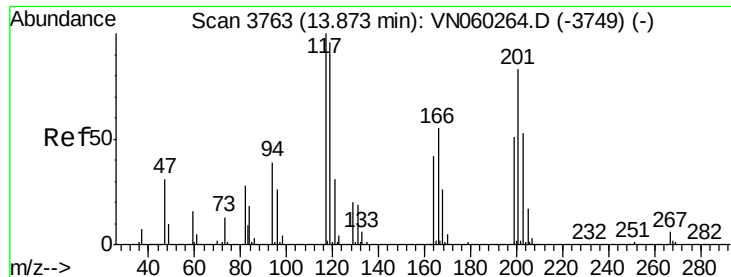


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.289 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

Instrument :

MSVOA_N

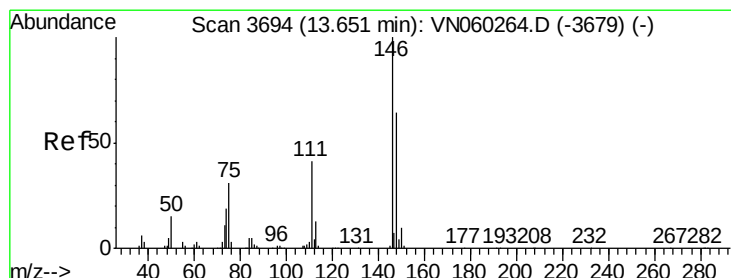
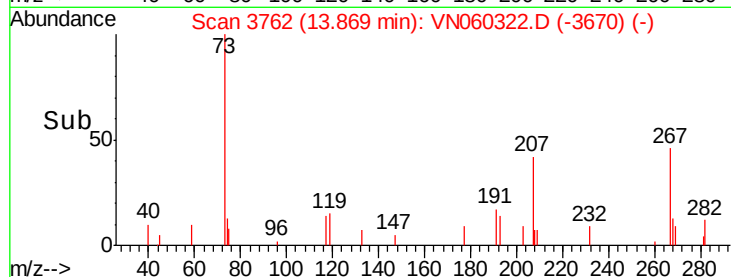
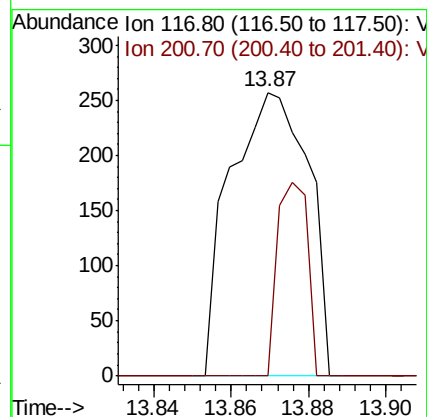
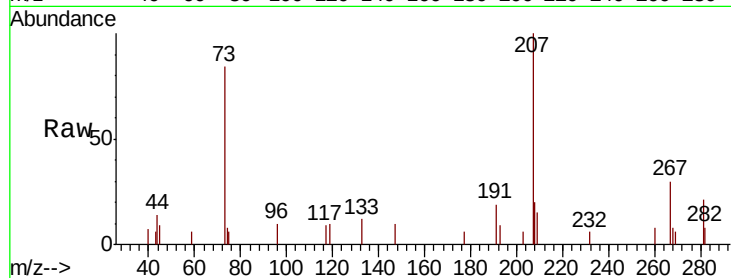
ClientSampleId :

Tot Ion:117 Resp: 362

Ion Ratio Lower Upper

117 100

201 26.2 41.0 123.0#



#91

1,2-Dichlorobenzene

Concen: 0.474 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060322.D

Acq: 3 Mar 2020 12:26

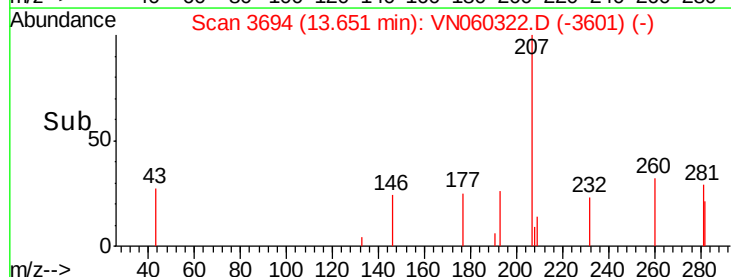
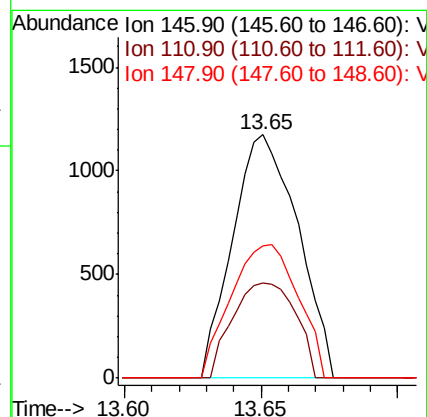
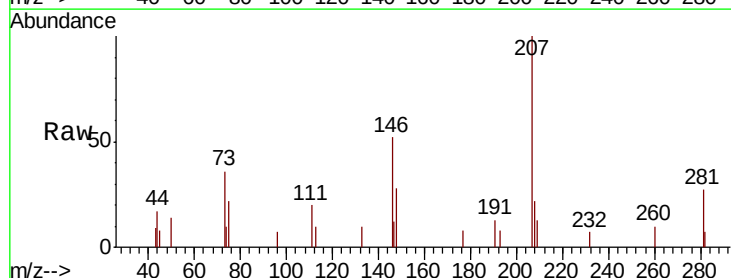
Tgt Ion:146 Resp: 1949

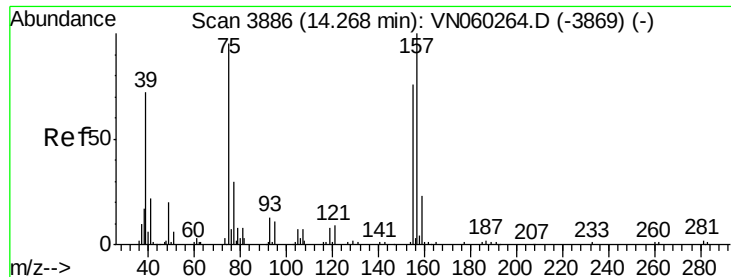
Ion Ratio Lower Upper

146 100

111 37.8 20.3 61.0

148 56.4 31.8 95.3

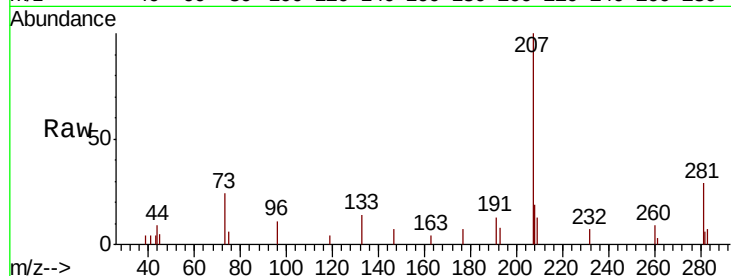




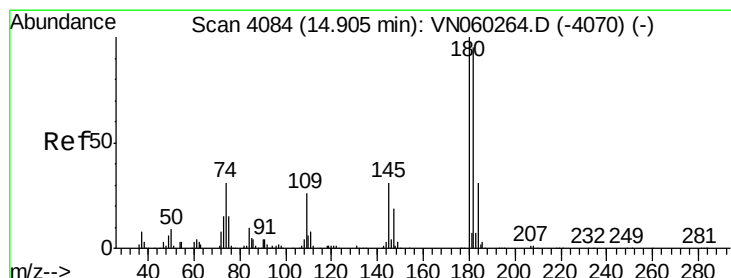
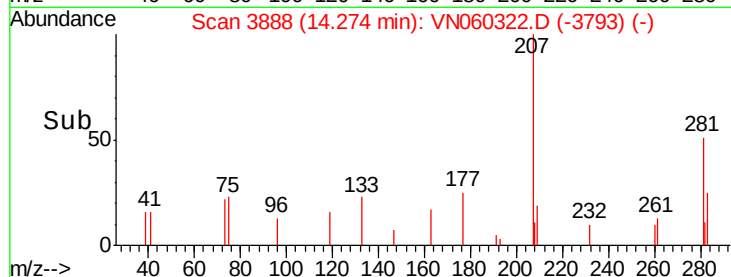
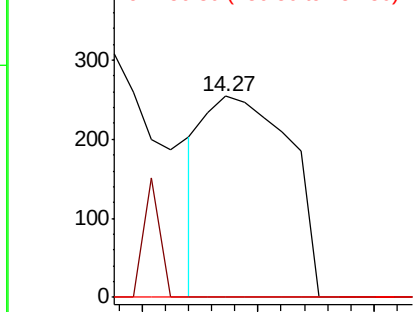
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.443 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 261
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#

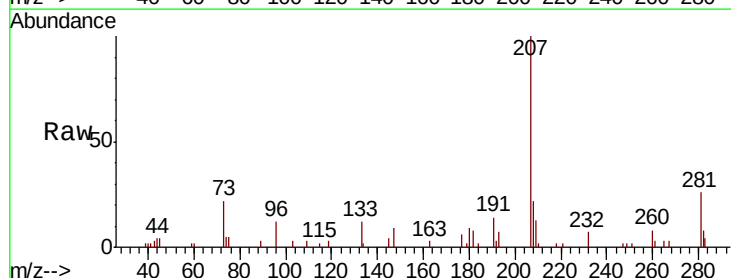


Abundance Ion 74.90 (74.60 to 75.60): VN060322.D (-3793) (-)
 Ion 154.80 (154.50 to 155.50): VN060322.D (-3793) (-)
 Ion 156.80 (156.50 to 157.50): VN060322.D (-3793) (-)

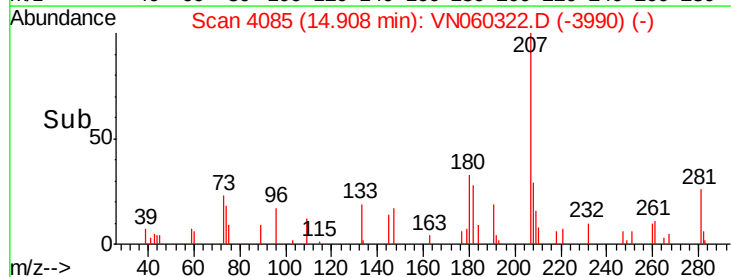
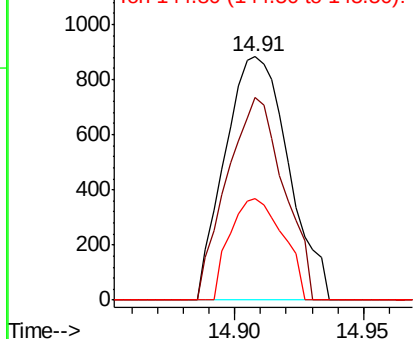


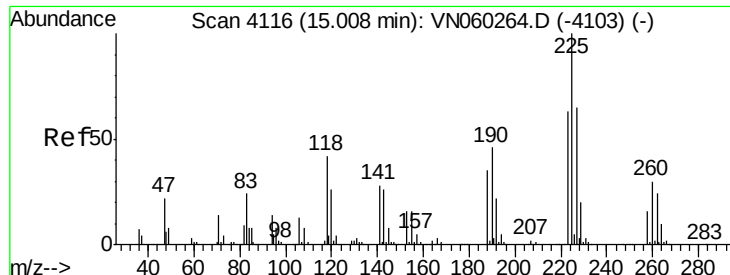
#93
 1,2,4-Trichlorobenzene
 Concen: 0.521 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Tgt Ion: 180 Resp: 1519
 Ion Ratio Lower Upper
 180 100
 182 74.7 47.8 143.3
 145 34.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): VN060322.D (-3990) (-)
 Ion 181.80 (181.50 to 182.50): VN060322.D (-3990) (-)
 Ion 144.80 (144.50 to 145.50): VN060322.D (-3990) (-)





#94

Hexachlorobutadiene

Concen: 0.410 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060322.D

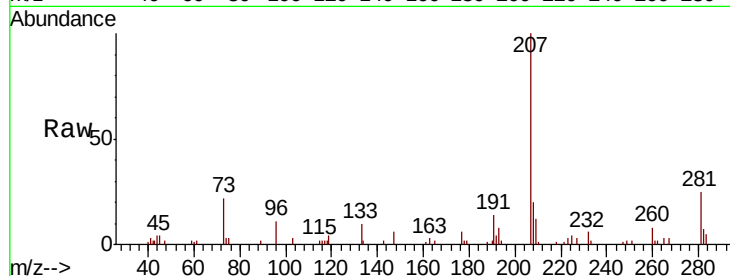
Acq: 3 Mar 2020 12:26

Instrument :

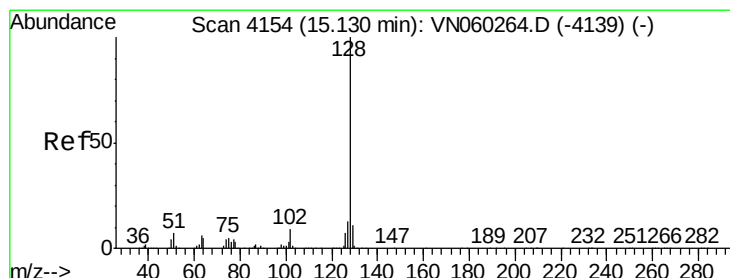
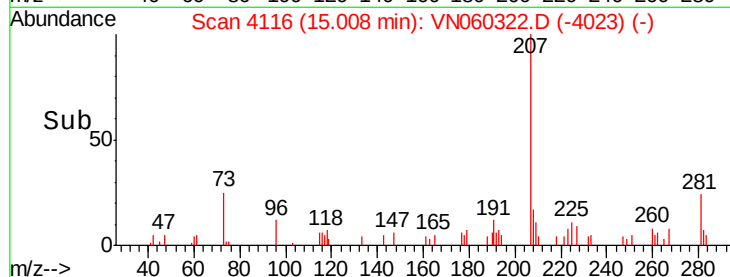
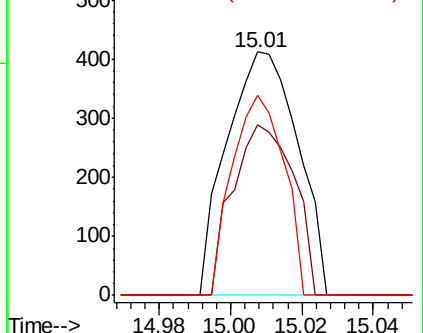
MSVOA_N

ClientSampled :

Tot Ion:	225	Resp:	567
Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.3	93.9
227	60.0	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.487 ug/l

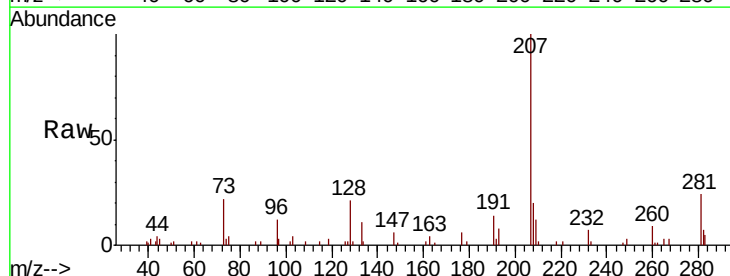
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

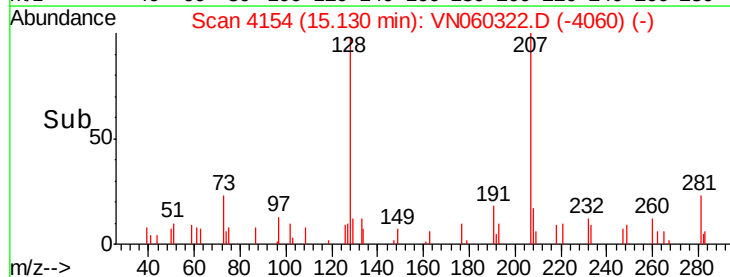
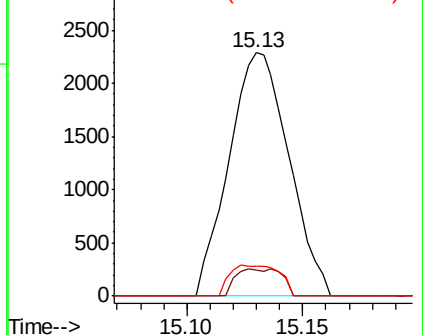
Lab File: VN060322.D

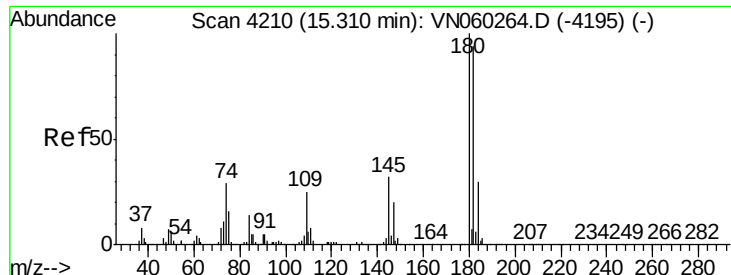
Acq: 3 Mar 2020 12:26

Tgt Ion:	128	Resp:	4097
Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.4	15.6#
129	10.5	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.537 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060322.D
 Acq: 3 Mar 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.9	47.3	142.0
145	24.0	16.2	48.5

