

Data File : VN060439.D
Acq On : 11 Mar 2020 11:02
Operator : JC/MD
Sample : VN0311WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Quant Time: Mar 12 03:33:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120751	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.56	113	89646	61.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.96%	
50) Toluene-d8	10.08	98	346886	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.40	95	131356	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25810	14.632	ug/l	99
3) Chloromethane	2.03	50	48466	15.781	ug/l	98
4) Vinyl Chloride	2.16	62	39514	15.003	ug/l	100
5) Bromomethane	2.54	94	16946	14.267	ug/l	97
6) Chloroethane	2.68	64	22771	15.957	ug/l	95
7) Trichlorofluoromethane	3.00	101	53114	15.784	ug/l	100
8) Diethyl Ether	3.38	74	22615	17.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32263	16.941	ug/l	99
10) Methyl Iodide	3.93	142	24557	14.129	ug/l	97
11) Tert butyl alcohol	4.73	59	37221	101.549	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	30675	16.544	ug/l	98
13) Acrolein	3.58	56	35670	104.316	ug/l	100
14) Allyl chloride	4.29	41	59063	17.331	ug/l	99
15) Acrylonitrile	4.94	53	95470	98.819	ug/l	98
16) Acetone	3.78	43	80370	100.824	ug/l	99
17) Carbon Disulfide	4.03	76	75458	14.889	ug/l	99
18) Methyl Acetate	4.29	43	50281	18.901	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124435	18.542	ug/l	98
20) Methylene Chloride	4.52	84	37645	17.196	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	33639	16.655	ug/l	99
22) Diisopropyl ether	5.91	45	130164	18.855	ug/l	93
23) Vinyl Acetate	5.86	43	523906	95.507	ug/l	98
24) 1,1-Dichloroethane	5.82	63	70567	18.059	ug/l	100
25) 2-Butanone	6.80	43	128744	99.990	ug/l	99
26) 2,2-Dichloropropane	6.79	77	62357	17.528	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43140	16.994	ug/l	99
28) Bromochloromethane	7.17	49	30376	18.933	ug/l	97
29) Tetrahydrofuran	7.18	42	87017	97.188	ug/l	98
30) Chloroform	7.35	83	71603	18.407	ug/l	99
31) Cyclohexane	7.63	56	59941	17.093	ug/l #	95
32) 1,1,1-Trichloroethane	7.55	97	59595	17.291	ug/l	99
36) 1,1-Dichloropropene	7.77	75	50020	16.708	ug/l	99
37) Ethyl Acetate	6.89	43	57123	20.151	ug/l	98
38) Carbon Tetrachloride	7.75	117	48128	16.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55392	15.692	ug/l	95
40) Benzene	8.02	78	153157	17.576	ug/l	99
41) Methacrylonitrile	7.18	41	79965	61.092	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58013	18.449	ug/l	100
43) Isopropyl Acetate	8.14	43	95974	19.339	ug/l	99
44) Trichloroethene	8.82	130	40991	16.891	ug/l	98
45) 1,2-Dichloropropane	9.10	63	43473	19.082	ug/l	97
46) Dibromomethane	9.19	93	26752	18.097	ug/l	100
47) Bromodichloromethane	9.39	83	56552	18.809	ug/l	98
48) Methyl methacrylate	9.18	41	40853	18.052	ug/l	97
49) 1,4-Dioxane	9.18	88	12725	399.839	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	278221	98.877	ug/l	99
52) Toluene	10.14	92	95060	17.367	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	63667	17.282	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	69725	18.265	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39916	18.134	ug/l	97
56) Ethyl methacrylate	10.42	69	57849	18.293	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68995	19.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	157540	95.252	ug/l	97
59) 2-Hexanone	10.74	43	198249	95.959	ug/l	100
60) Dibromochloromethane	10.89	129	41622	18.593	ug/l	98
61) 1,2-Dibromoethane	11.00	107	39430	18.376	ug/l	97
64) Tetrachloroethene	10.62	164	41618	17.319	ug/l	99
65) Chlorobenzene	11.43	112	100052	17.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39412	18.219	ug/l	99
67) Ethyl Benzene	11.50	91	185115	17.375	ug/l	100
68) m/p-Xylenes	11.62	106	135189	33.631	ug/l	98
69) o-Xylene	11.94	106	66405	17.324	ug/l	100
70) Styrene	11.96	104	107232	17.015	ug/l	100
71) Bromoform	12.12	173	28994	18.597	ug/l #	100
73) Isopropylbenzene	12.25	105	179013	17.485	ug/l	100
74) N-amyl acetate	12.06	43	80674	18.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55508	19.946	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	76640	25.289	ug/l #	100
77) Bromobenzene	12.52	156	44282	17.645	ug/l	97
78) n-propylbenzene	12.59	91	208026	17.335	ug/l	99
79) 2-Chlorotoluene	12.67	91	124423	17.638	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	149944	17.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19662	17.910	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128491	17.288	ug/l	98
83) tert-Butylbenzene	12.99	119	129535	17.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	151578	17.422	ug/l	99
85) sec-Butylbenzene	13.17	105	170899	17.100	ug/l	99
86) p-Isopropyltoluene	13.28	119	152740	16.513	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77119	17.761	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77312	17.809	ug/l	99
89) n-Butylbenzene	13.61	91	135313	15.936	ug/l	99
90) Hexachloroethane	13.87	117	20686	15.450	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	75430	17.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11072	17.569	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031120\
Quantitation Report (Not Reviewed)

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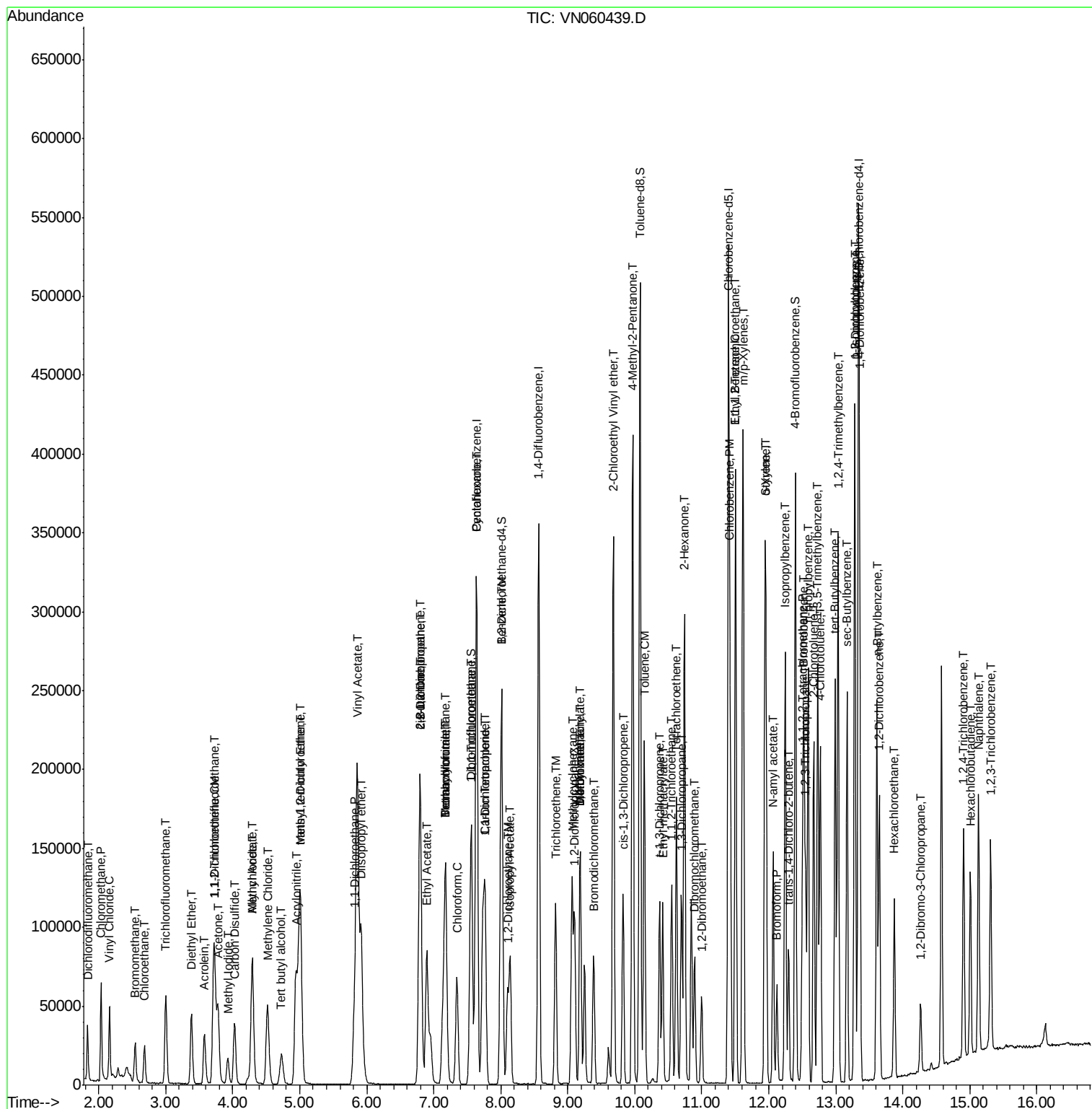
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46660	16.758	ug/l	99
94) Hexachlorobutadiene	15.01	225	22623	17.239	ug/l	98
95) Naphthalene	15.13	128	138846	16.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44670	16.855	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

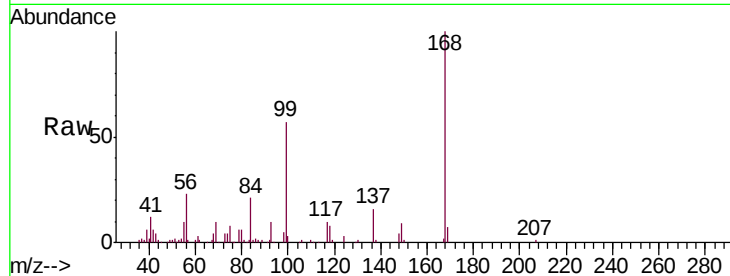
VN0311WBSD01

Tgt Ion:168 Resp: 192394

Ion Ratio Lower Upper

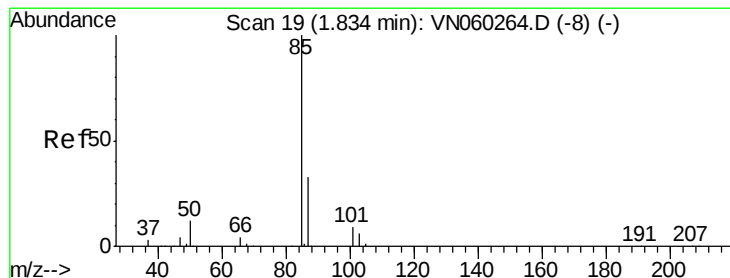
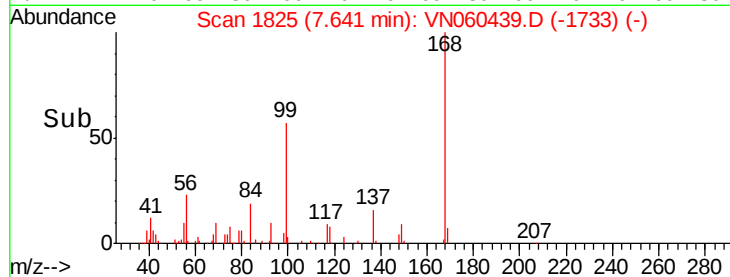
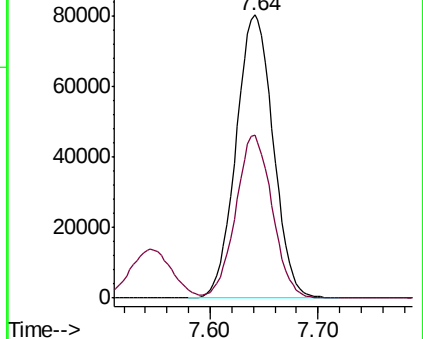
168 100

99 57.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 14.632 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060439.D

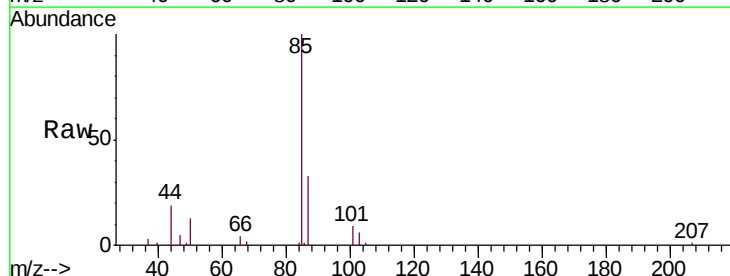
Acq: 11 Mar 2020 11:02

Tgt Ion: 85 Resp: 25810

Ion Ratio Lower Upper

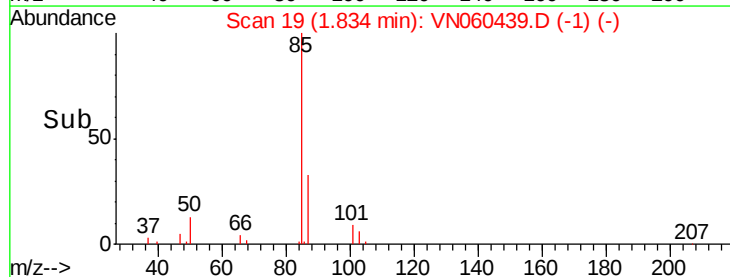
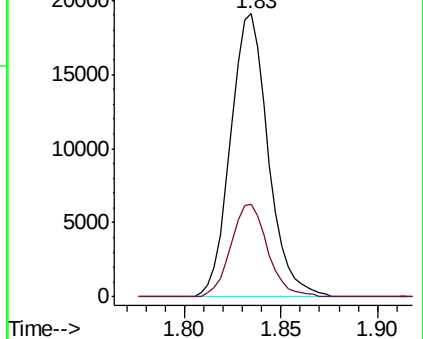
85 100

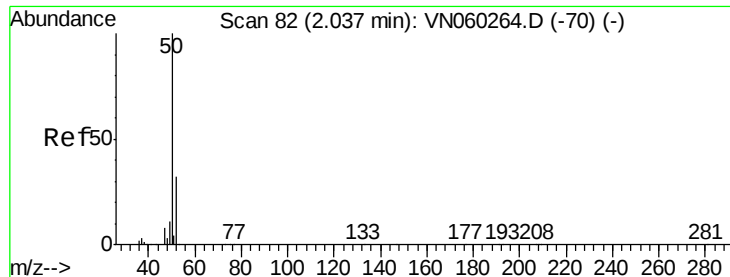
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.781 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

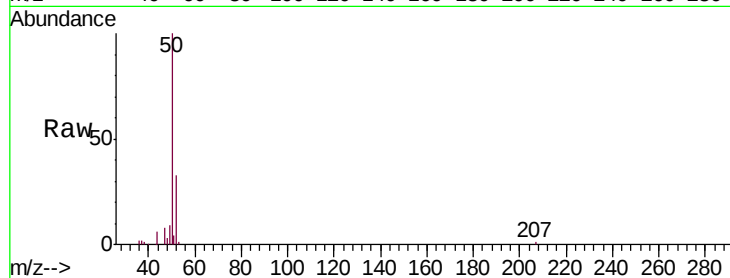
VN0311WBSD01

Tgt Ion: 50 Resp: 48466

Ion Ratio Lower Upper

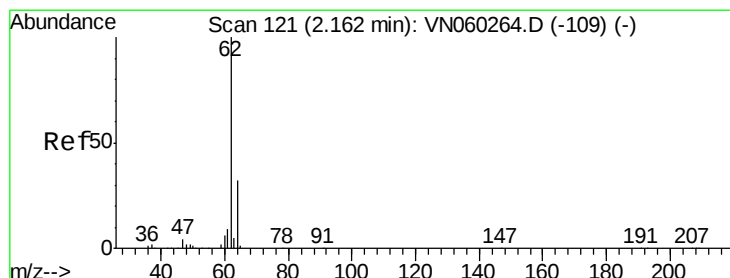
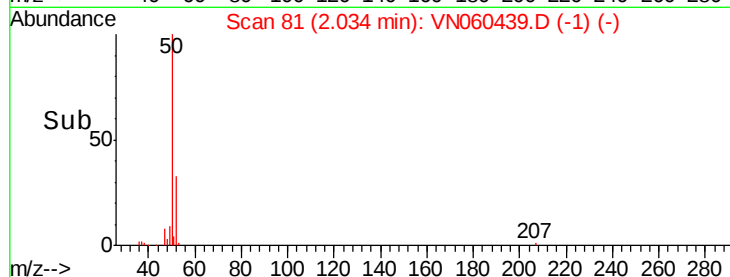
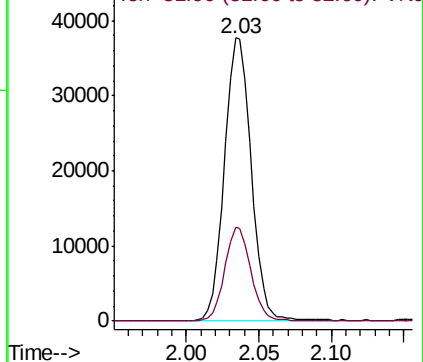
50 100

52 33.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 15.003 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060439.D

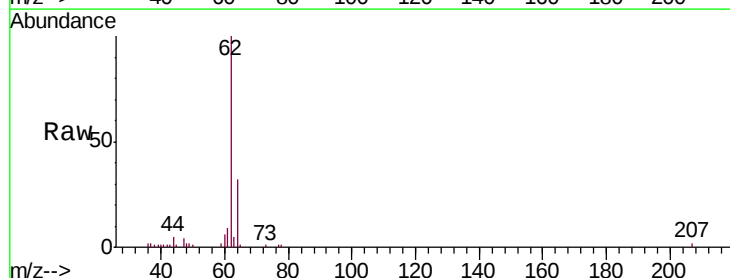
Acq: 11 Mar 2020 11:02

Tgt Ion: 62 Resp: 39514

Ion Ratio Lower Upper

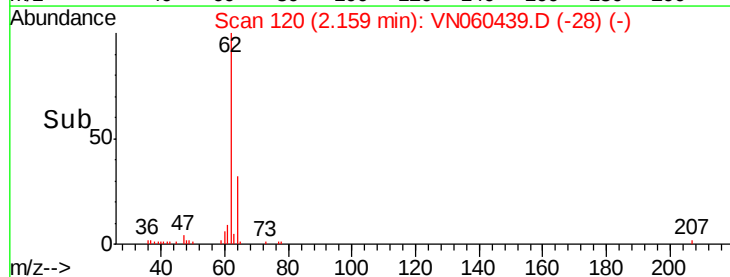
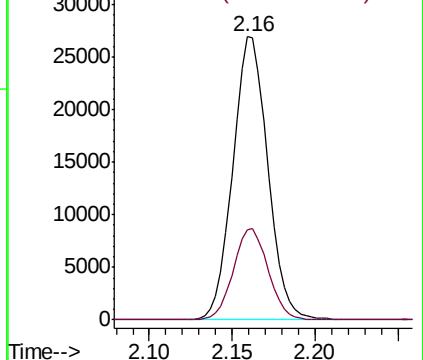
62 100

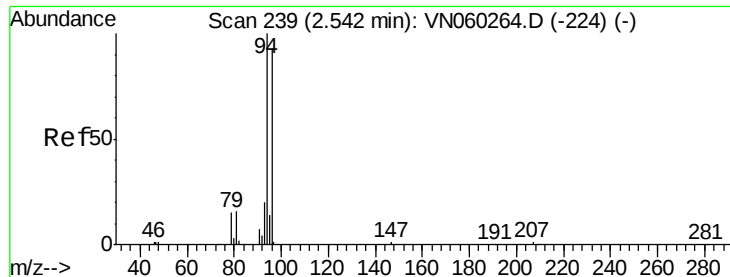
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

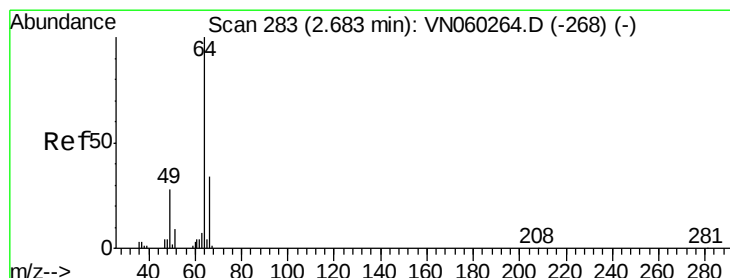
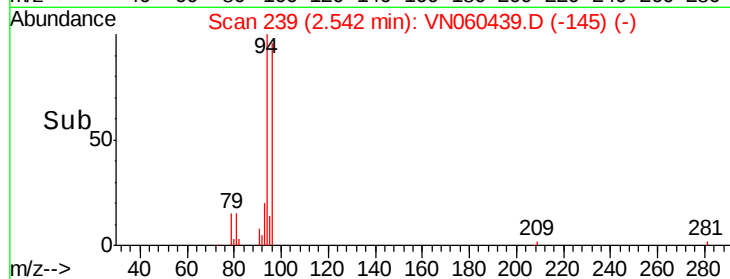
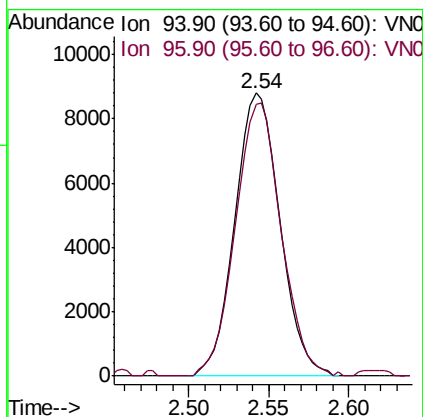
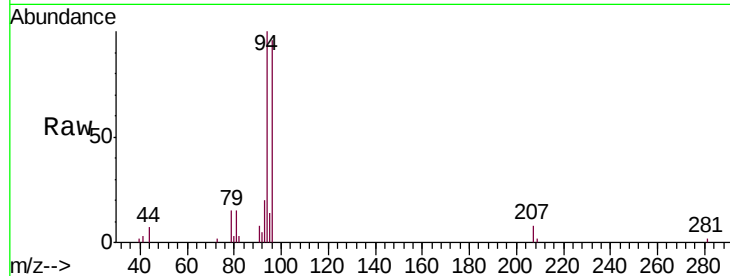




#5
Bromomethane
Concen: 14.267 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

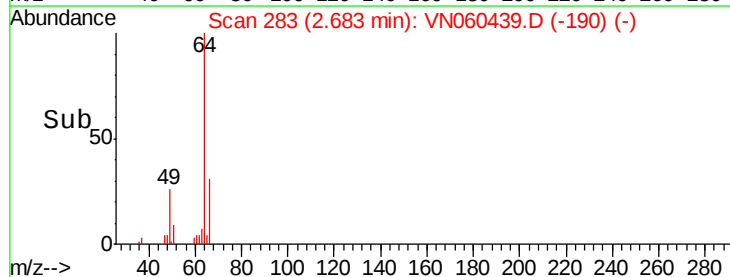
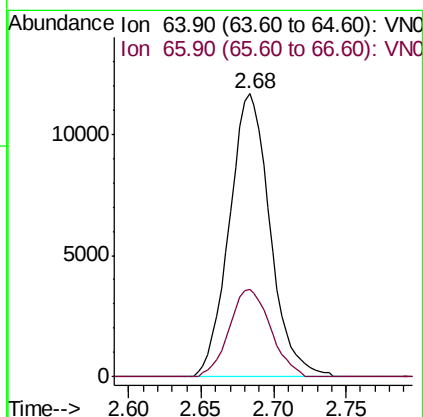
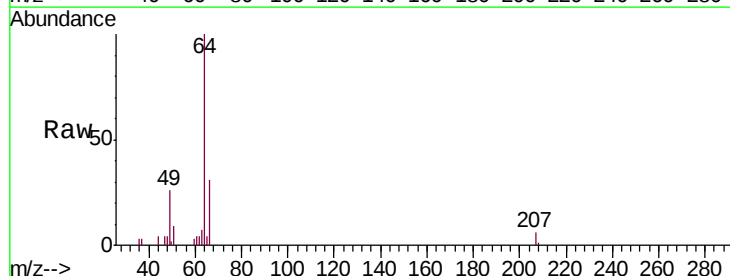
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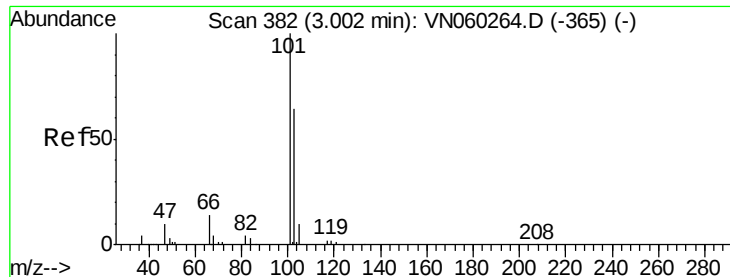
Tgt Ion: 94 Resp: 16946
Ion Ratio Lower Upper
94 100
96 96.1 74.3 111.5



#6
Chloroethane
Concen: 15.957 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 64 Resp: 22771
Ion Ratio Lower Upper
64 100
66 31.1 27.4 41.2



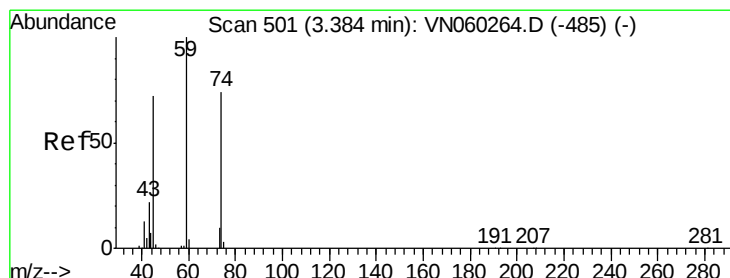
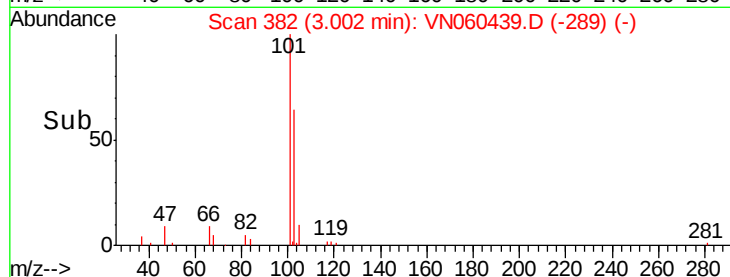
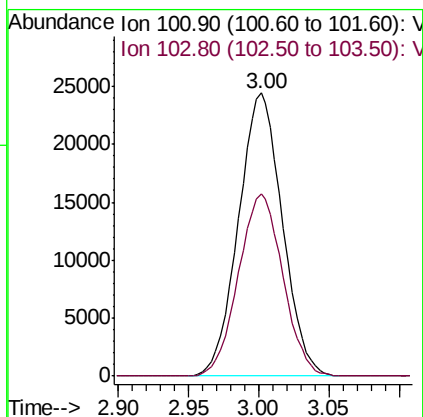
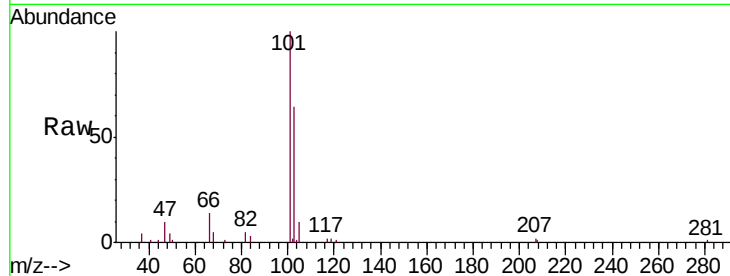


#7

Trichlorofluoromethane
 Concen: 15.784 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
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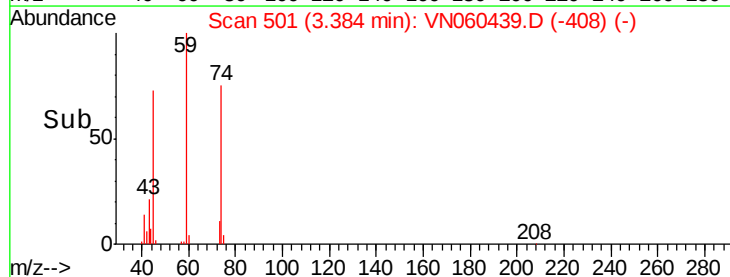
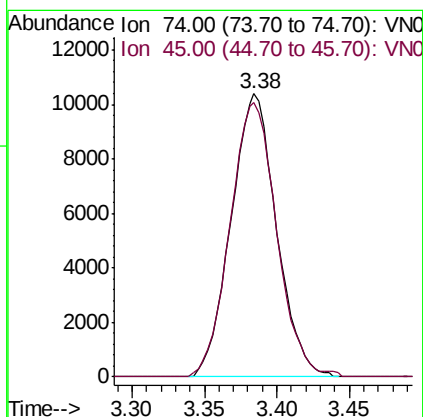
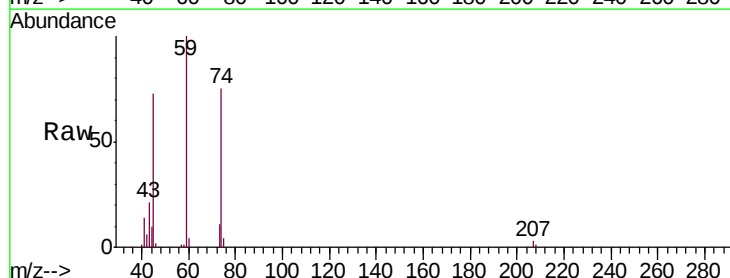
Tgt Ion:101 Resp: 53114
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.3 76.9



#8

Diethyl Ether
 Concen: 17.799 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion: 74 Resp: 22615
 Ion Ratio Lower Upper
 74 100
 45 99.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.941 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

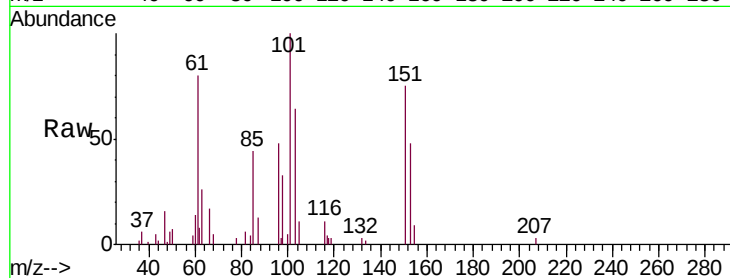
Tgt Ion:101 Resp: 32263

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.2

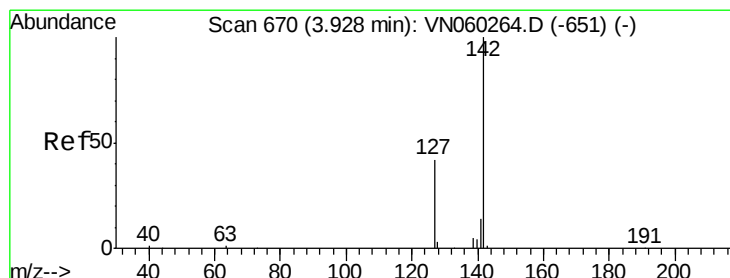
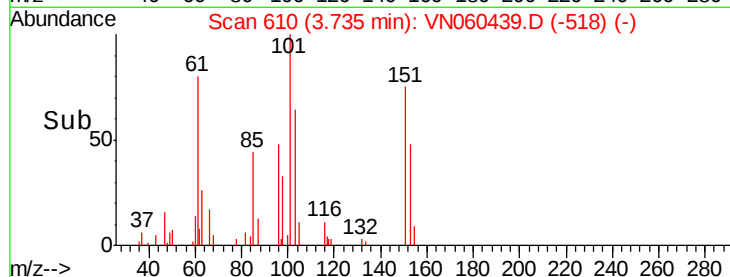
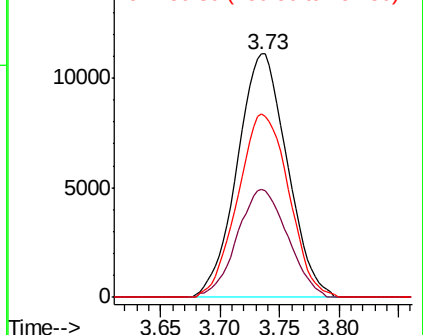
151 76.9 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.129 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

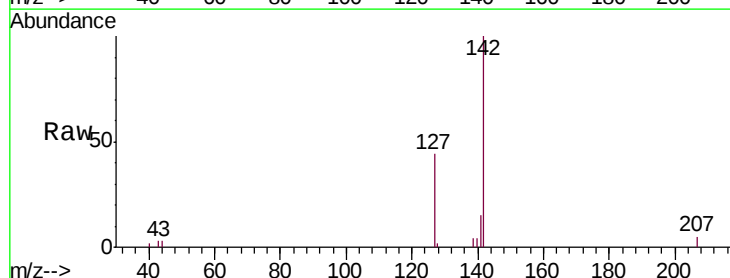
Tgt Ion:142 Resp: 24557

Ion Ratio Lower Upper

142 100

127 44.2 33.8 50.6

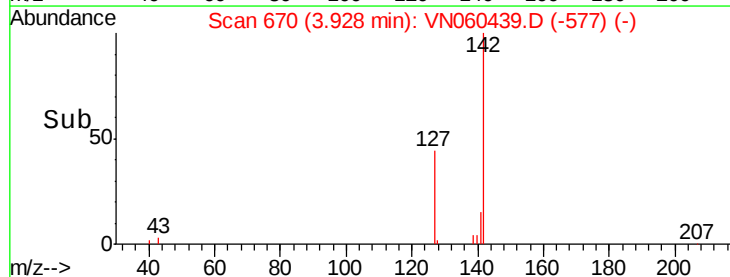
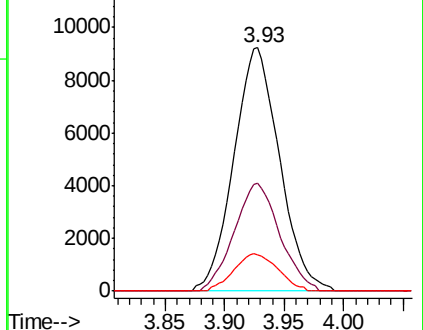
141 14.8 11.1 16.7



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

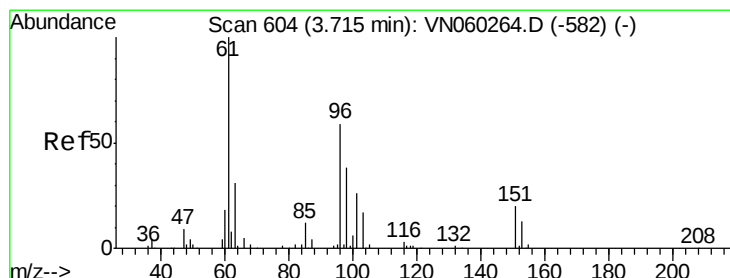
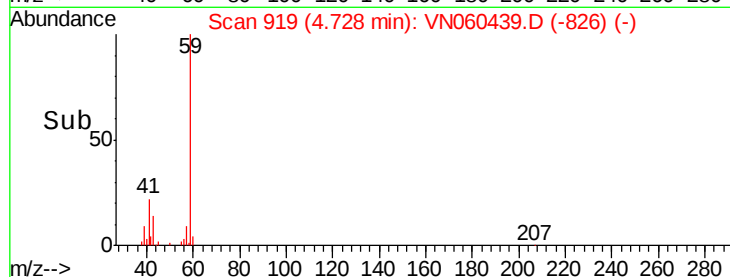
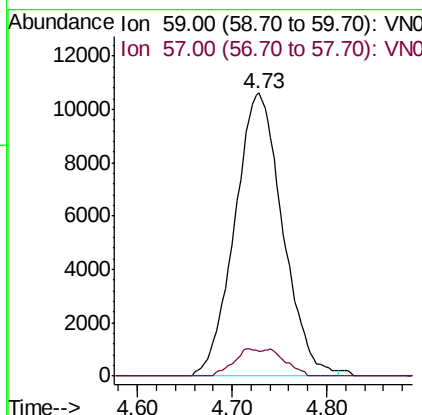
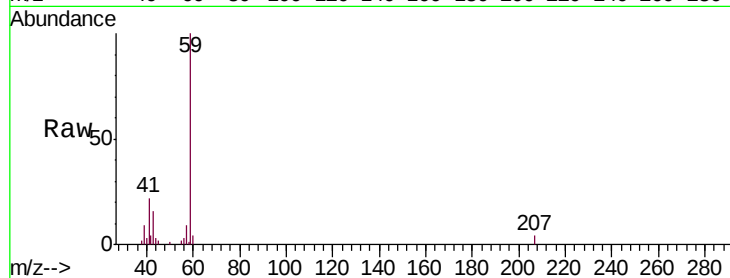




#11
Tert butyl alcohol
Concen: 101.549 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

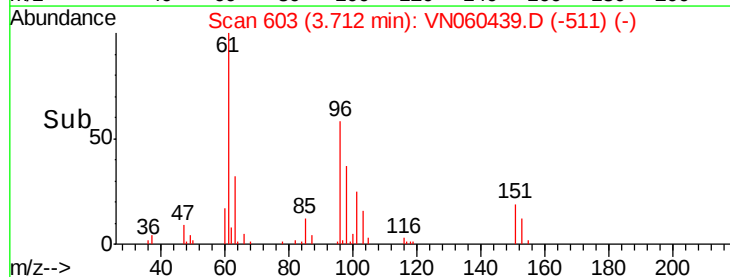
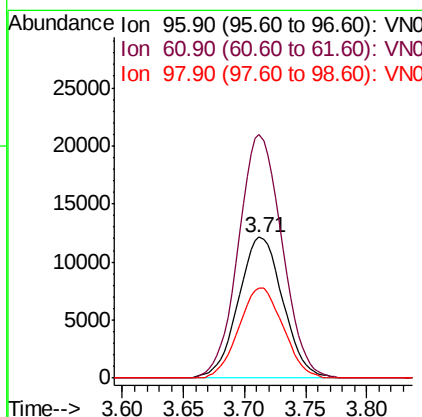
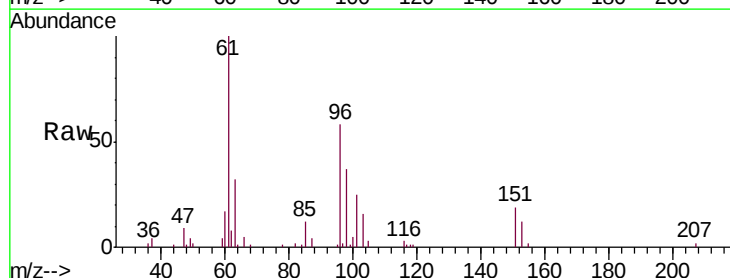
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

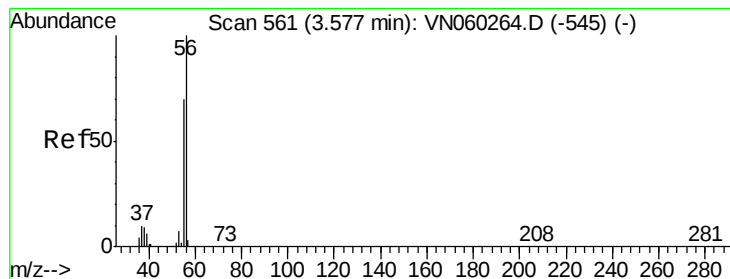
Tgt Ion: 59 Resp: 37221
Ion Ratio Lower Upper
59 100
57 5.5 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 16.544 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 96 Resp: 30675
Ion Ratio Lower Upper
96 100
61 172.7 135.4 203.0
98 64.0 51.6 77.4





#13

Acrolein

Concen: 104.316 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

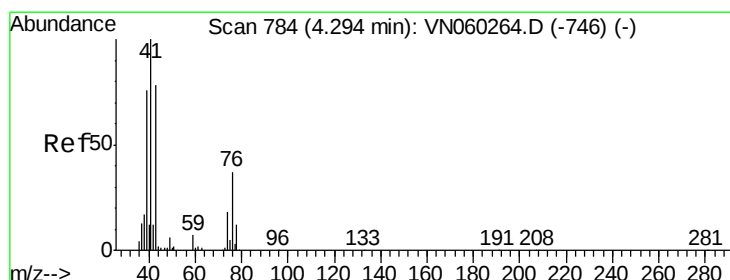
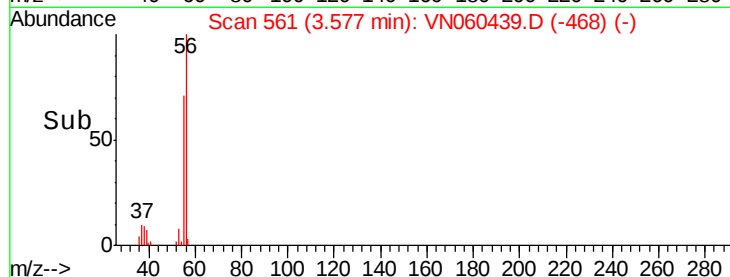
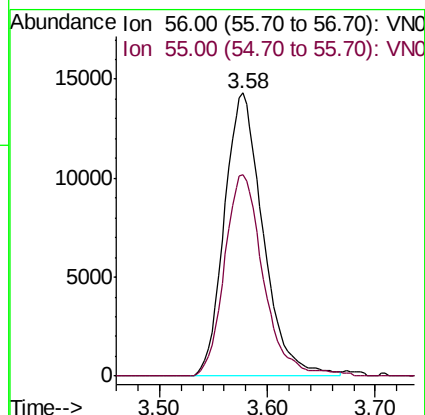
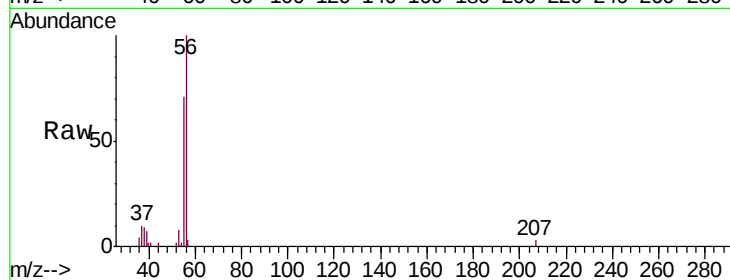
VN0311WBSD01

Tgt Ion: 56 Resp: 35670

Ion Ratio Lower Upper

56 100

55 71.7 57.4 86.0



#14

Allyl chloride

Concen: 17.331 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

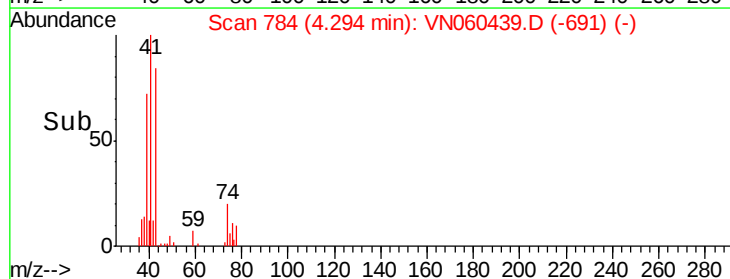
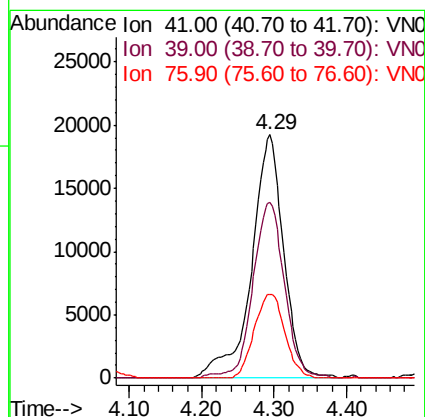
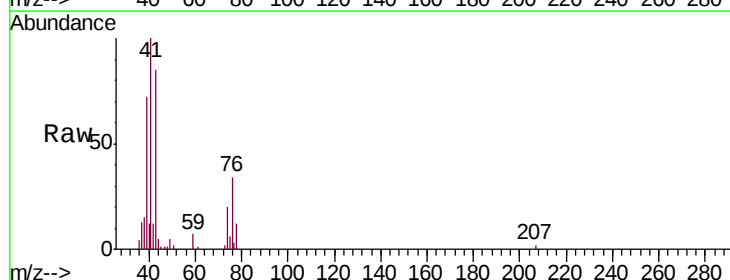
Tgt Ion: 41 Resp: 59063

Ion Ratio Lower Upper

41 100

39 70.0 55.4 83.2

76 32.9 27.0 40.6





#15

Acrylonitrile

Concen: 98.819 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

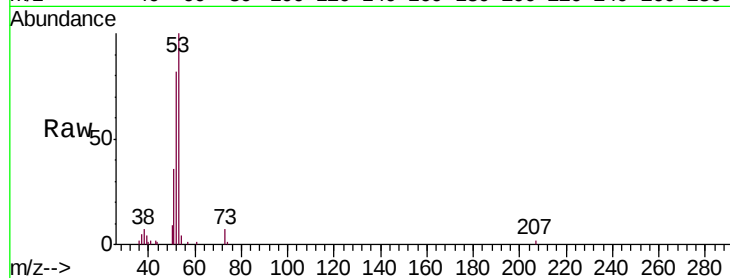
Tgt Ion: 53 Resp: 95470

Ion Ratio Lower Upper

53 100

52 81.4 66.8 100.2

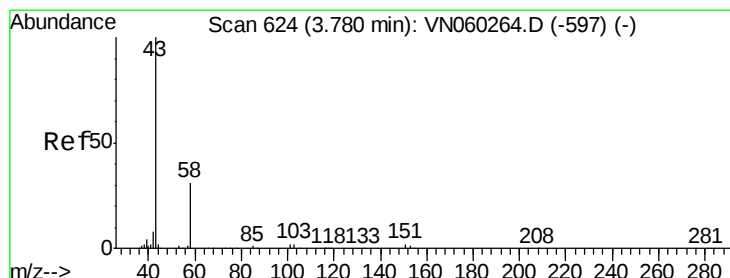
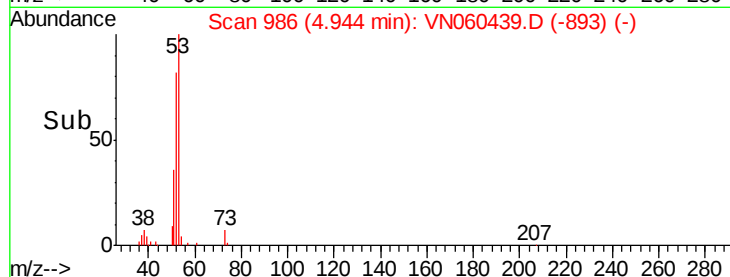
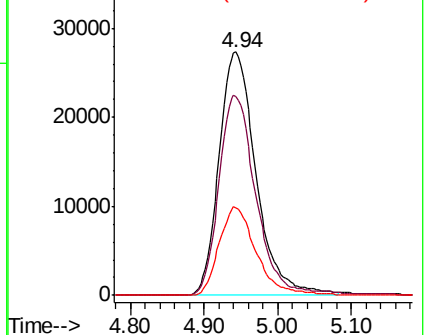
51 36.2 29.0 43.6



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



#16

Acetone

Concen: 100.824 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060439.D

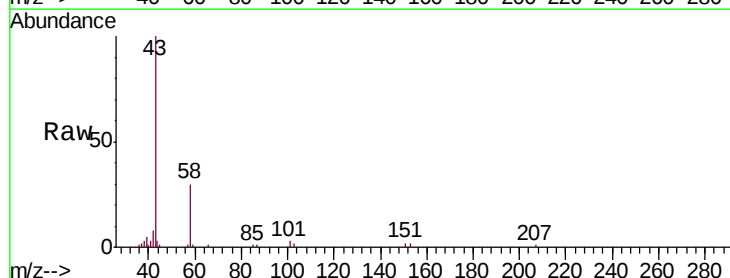
Acq: 11 Mar 2020 11:02

Tgt Ion: 43 Resp: 80370

Ion Ratio Lower Upper

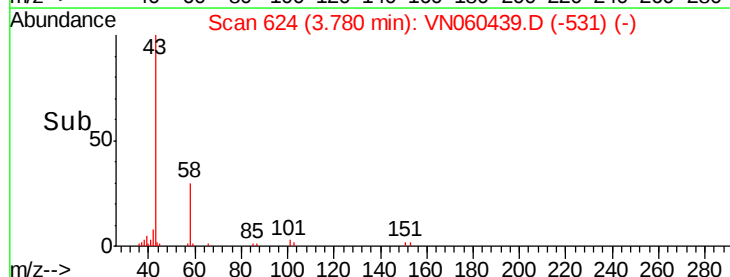
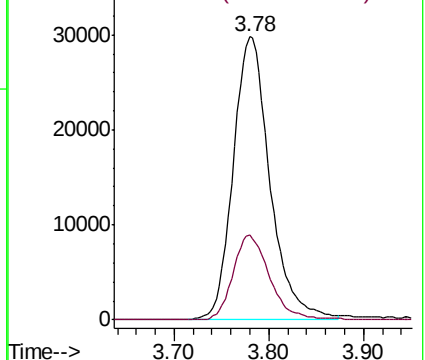
43 100

58 30.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

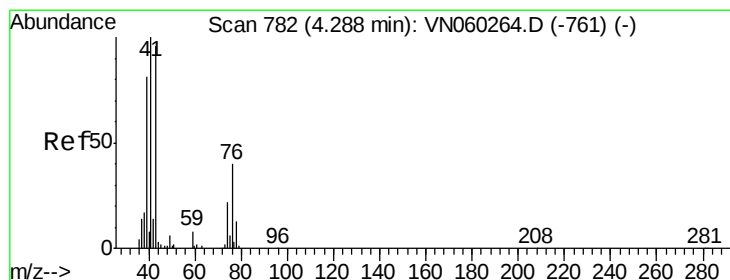
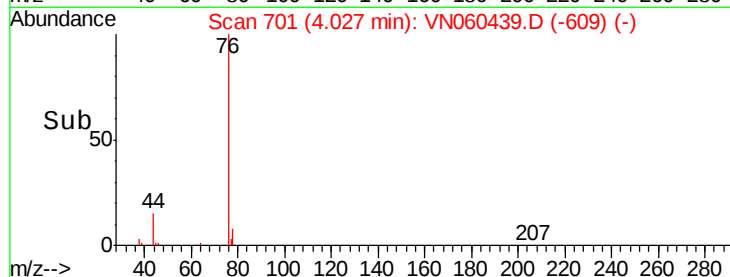
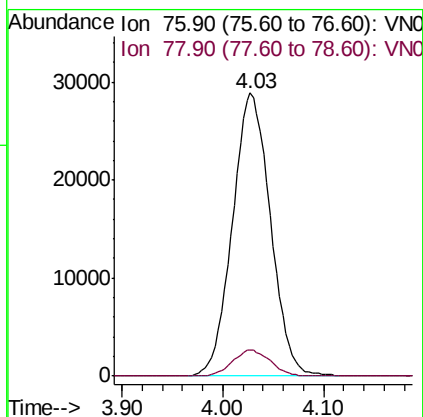
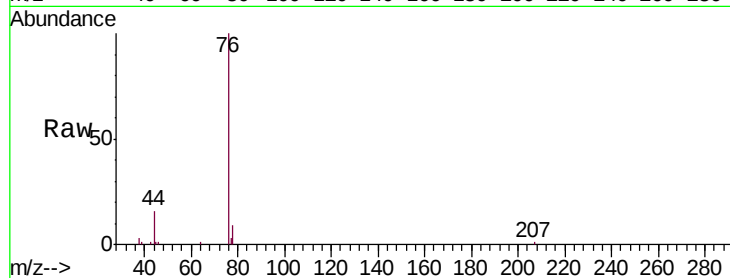




#17
Carbon Disulfide
Concen: 14.889 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

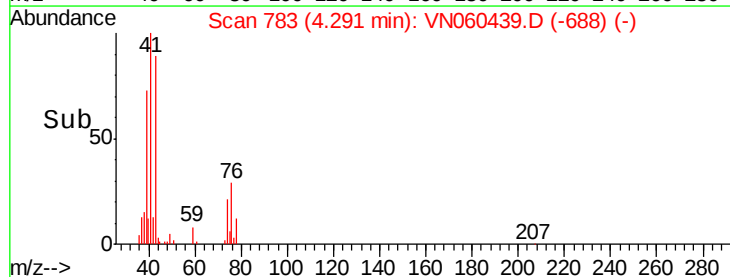
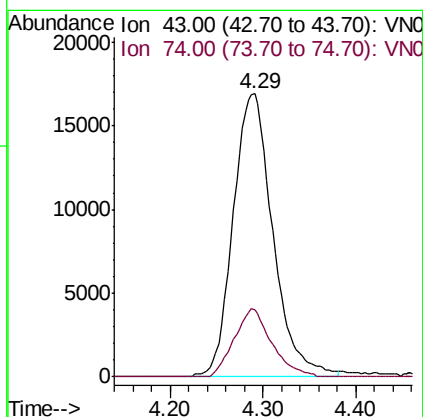
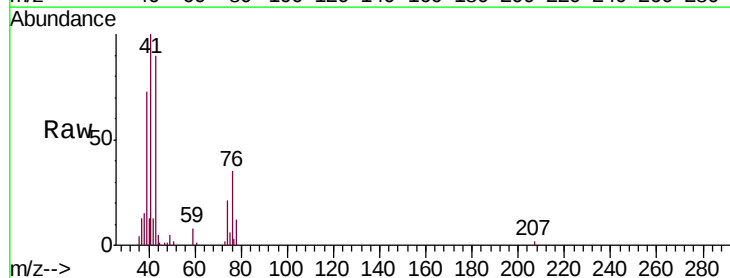
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion: 76 Resp: 75458
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 18.901 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 43 Resp: 50281
Ion Ratio Lower Upper
43 100
74 22.7 18.8 28.2

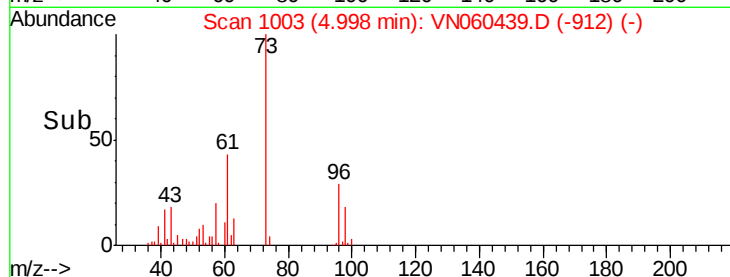
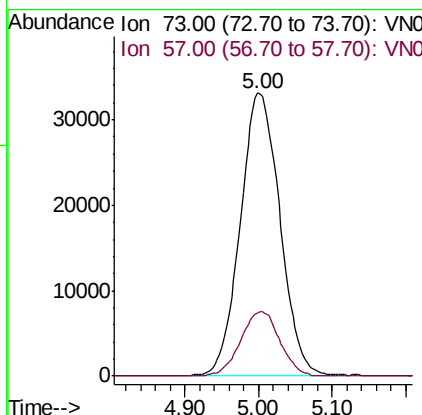
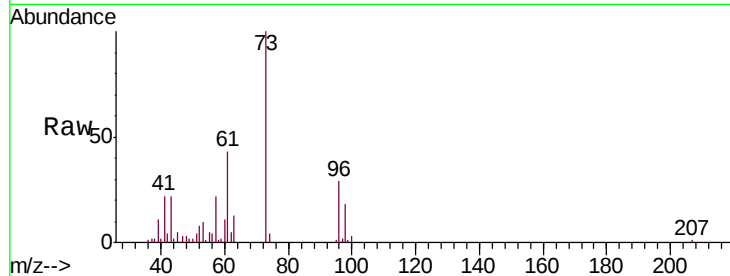




#19
Methyl tert-butyl Ether
Concen: 18.542 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

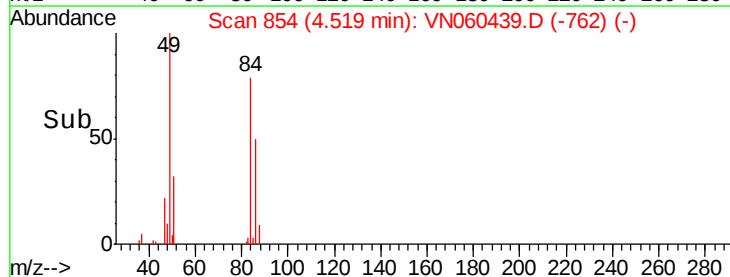
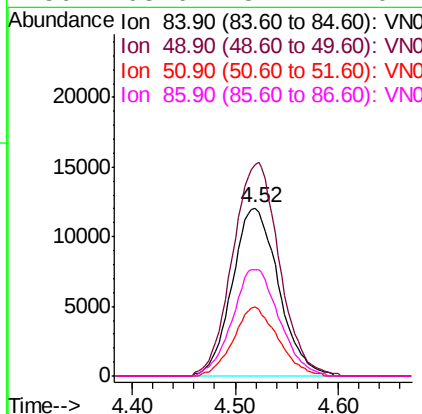
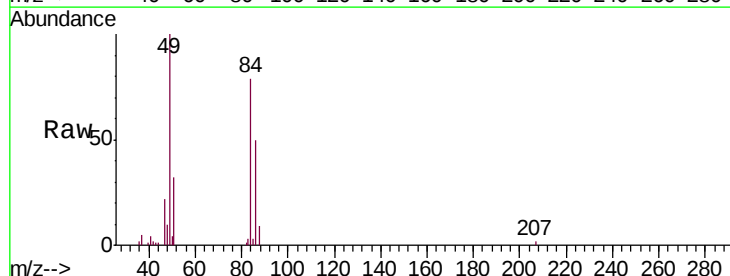
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion: 73 Resp: 124435
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 17.196 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 84 Resp: 37645
Ion Ratio Lower Upper
84 100
49 126.0 99.3 148.9
51 40.9 30.1 45.1
86 63.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 16.655 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

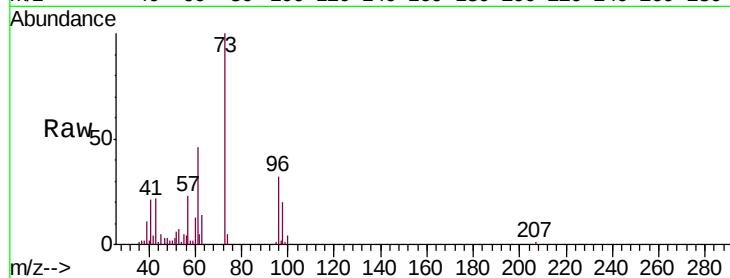
Tgt Ion: 96 Resp: 33639

Ion Ratio Lower Upper

96 100

61 142.9 113.8 170.8

98 62.9 48.8 73.2

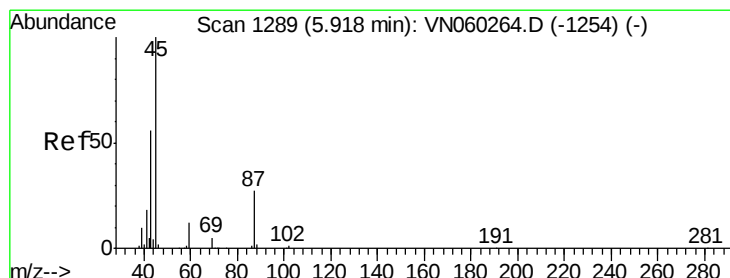
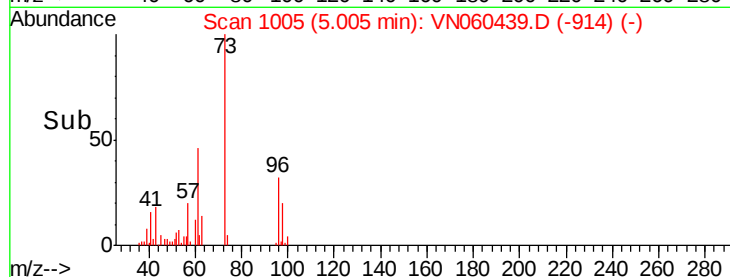
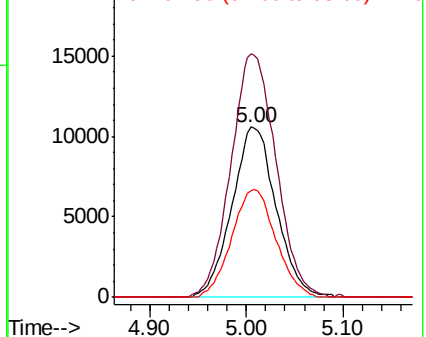


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.855 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion: 45 Resp: 130164

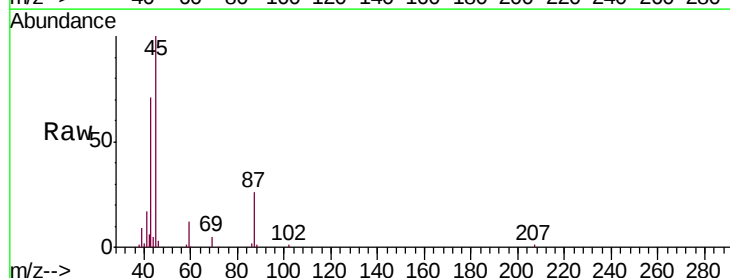
Ion Ratio Lower Upper

45 100

43 69.0 48.6 72.8

87 26.2 22.2 33.2

59 12.1 9.5 14.3



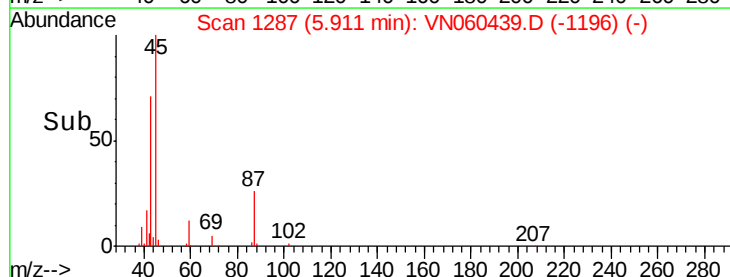
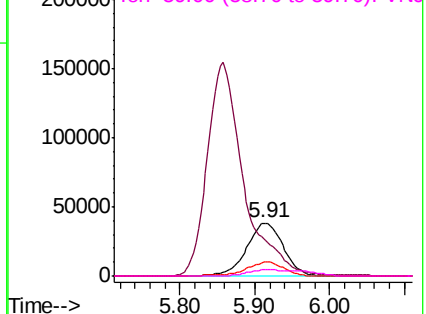
Abundance

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: 95.507 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

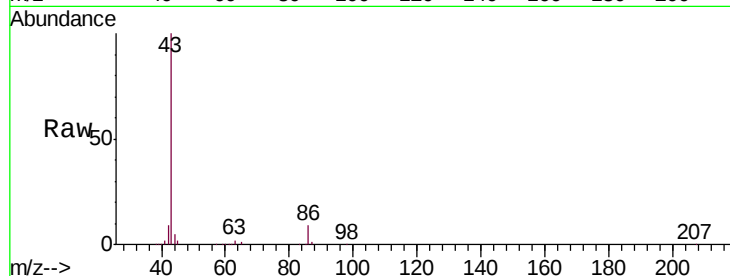
VN0311WBSD01

Tgt Ion: 43 Resp: 523906

Ion Ratio Lower Upper

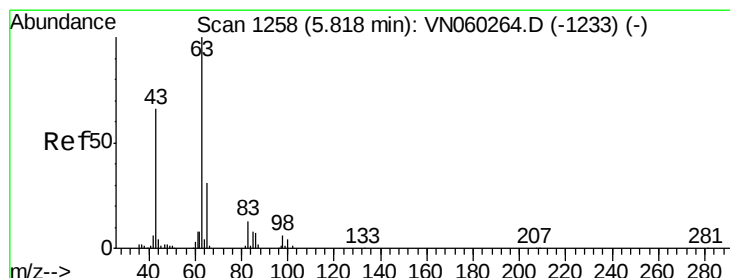
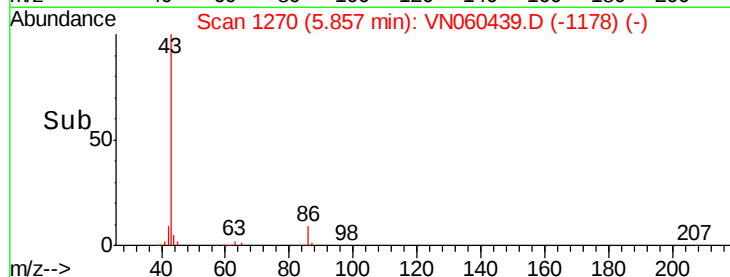
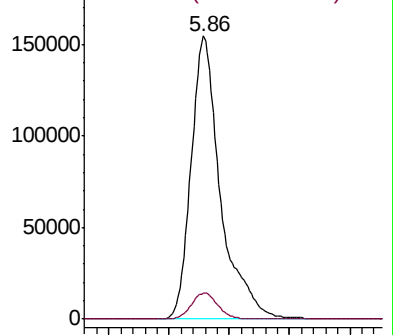
43 100

86 9.2 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 18.059 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

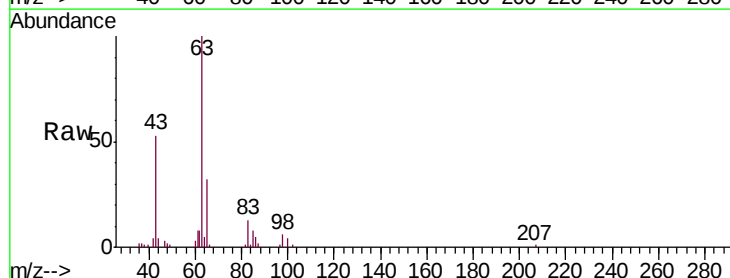
Tgt Ion: 63 Resp: 70567

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

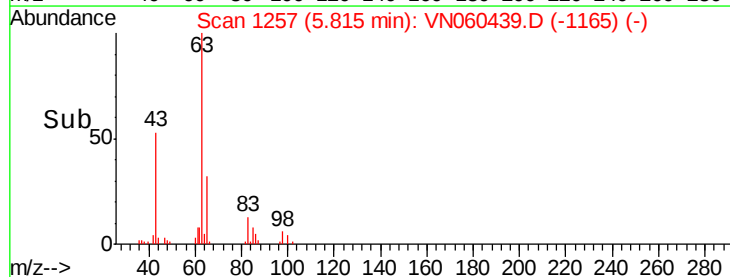
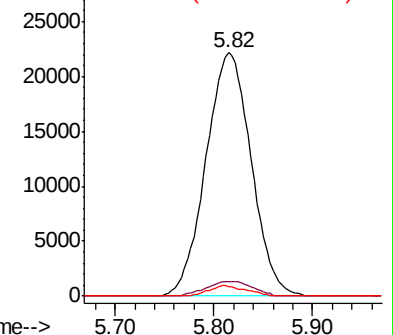
100 4.0 2.0 6.0

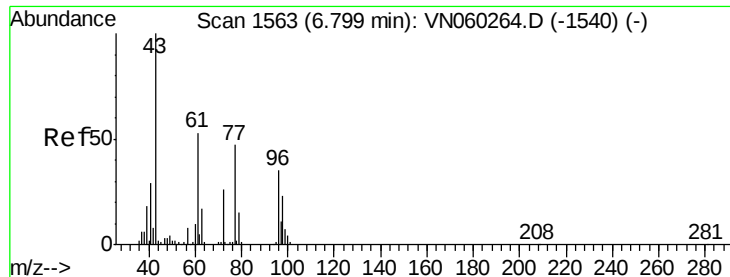


Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)





#25

2-Butanone

Concen: 99.990 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

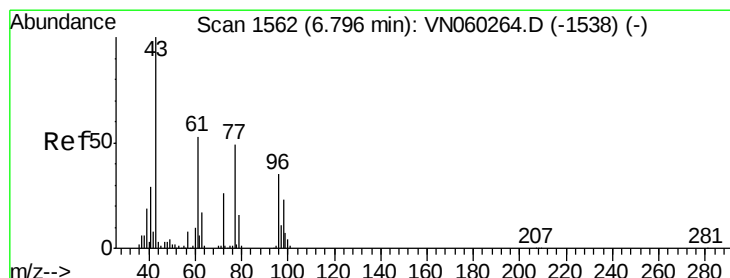
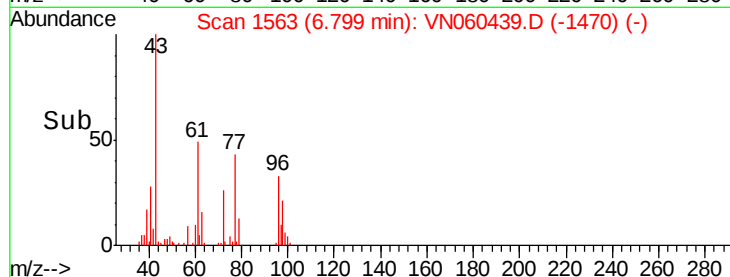
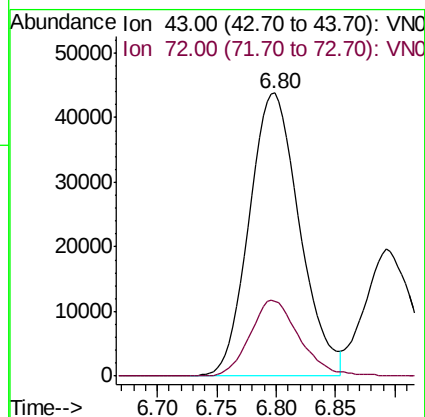
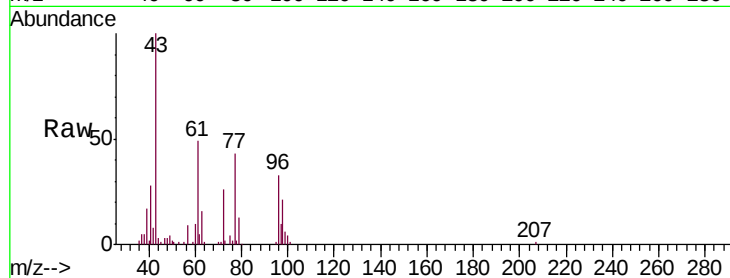
VN0311WBSD01

Tgt Ion: 43 Resp: 128744

Ion Ratio Lower Upper

43 100

72 26.5 20.9 31.3



#26

2,2-Dichloropropane

Concen: 17.528 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060439.D

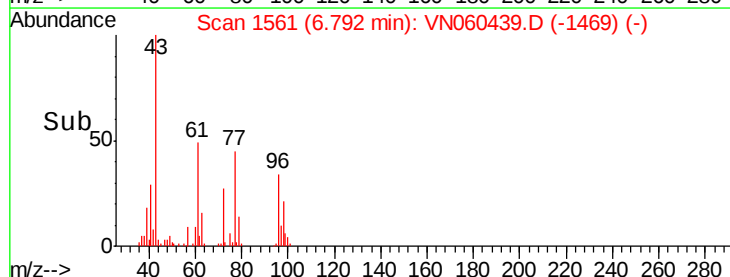
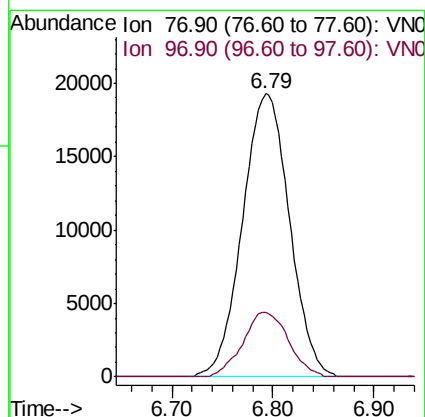
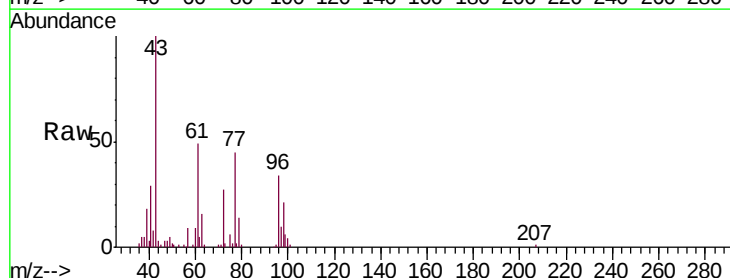
Acq: 11 Mar 2020 11:02

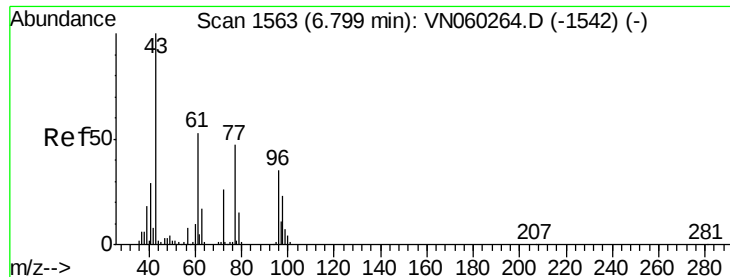
Tgt Ion: 77 Resp: 62357

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.994 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

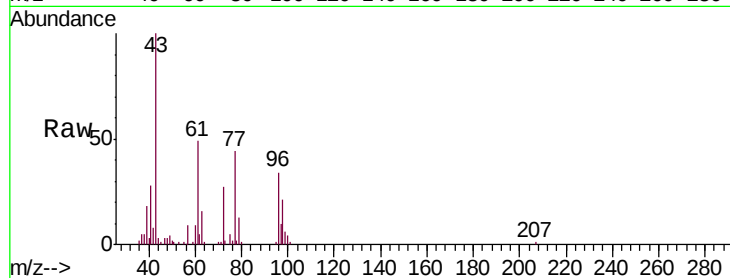
Tgt Ion: 96 Resp: 43140

Ion Ratio Lower Upper

96 100

61 150.0 0.0 300.8

98 62.0 0.0 128.2

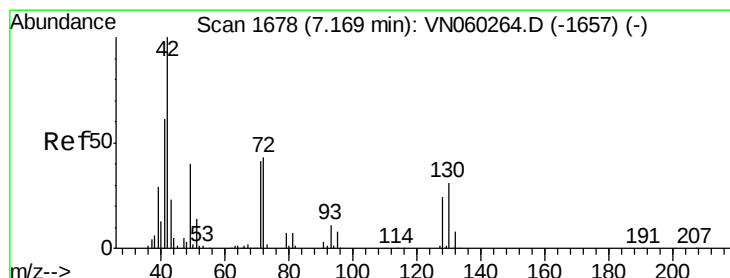
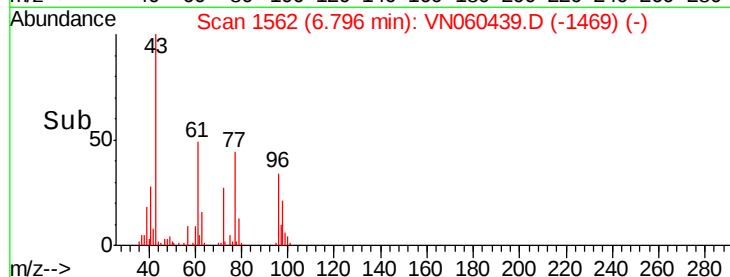
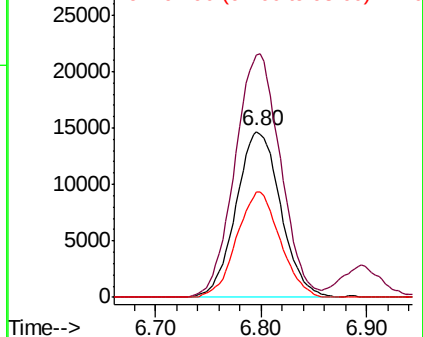


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.933 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

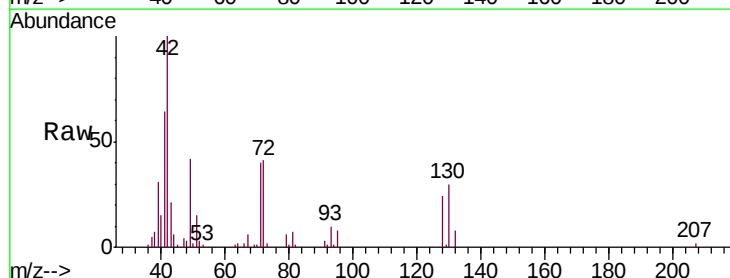
Tgt Ion: 49 Resp: 30376

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

130 72.3 59.8 89.8

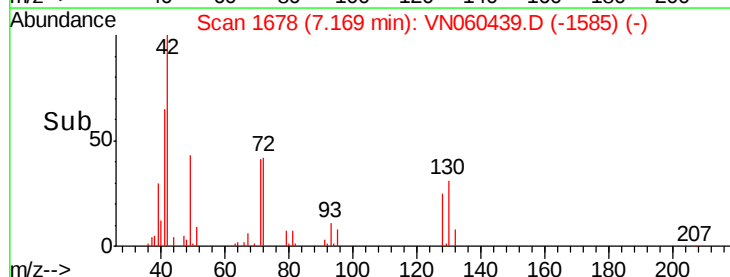
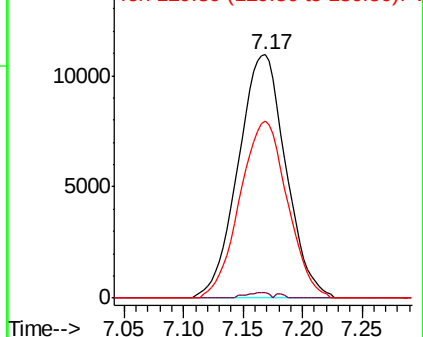


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.188 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

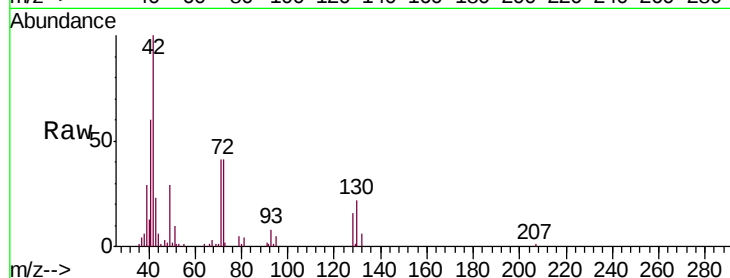
Tgt Ion: 42 Resp: 87017

Ion Ratio Lower Upper

42 100

72 41.7 34.6 52.0

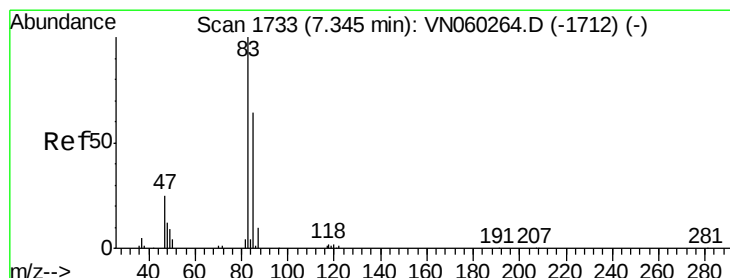
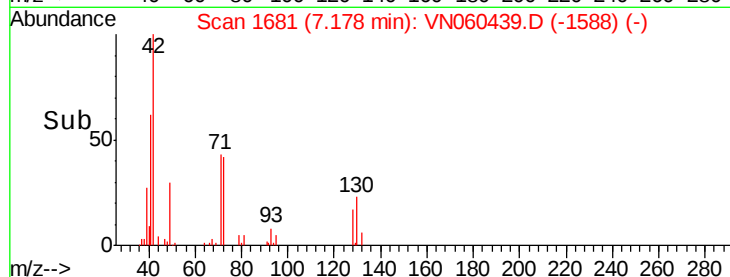
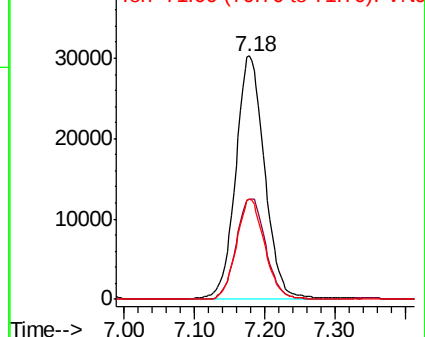
71 40.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.407 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060439.D

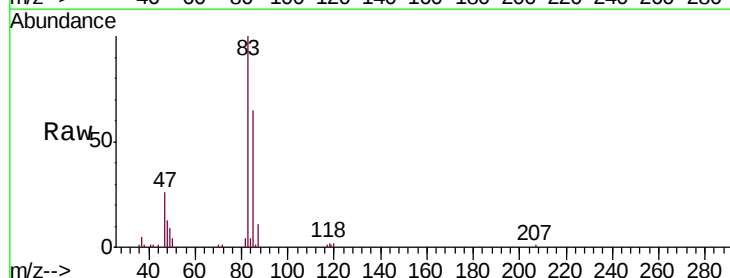
Acq: 11 Mar 2020 11:02

Tgt Ion: 83 Resp: 71603

Ion Ratio Lower Upper

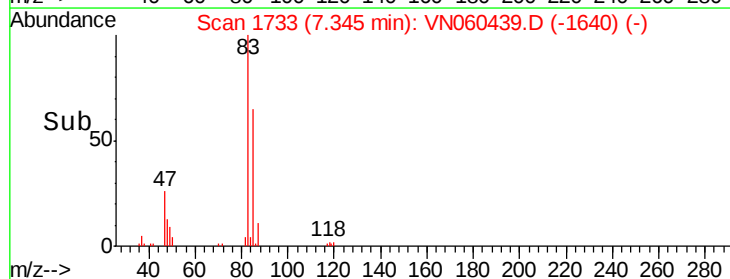
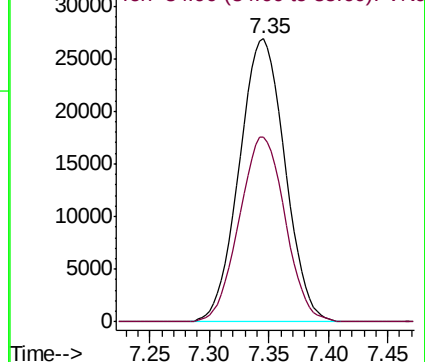
83 100

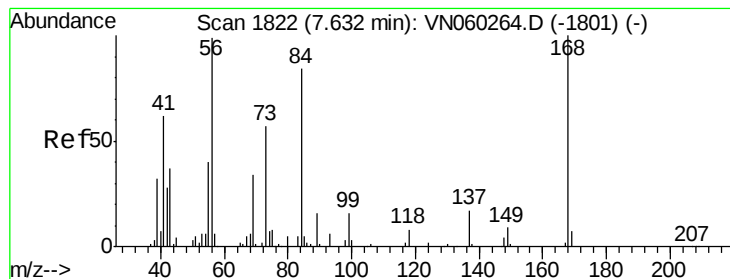
85 65.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.093 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

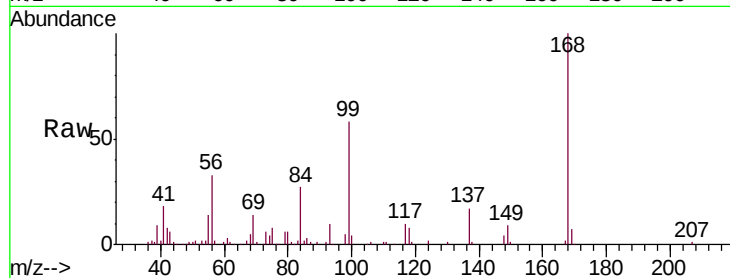
Tgt Ion: 56 Resp: 59941

Ion Ratio Lower Upper

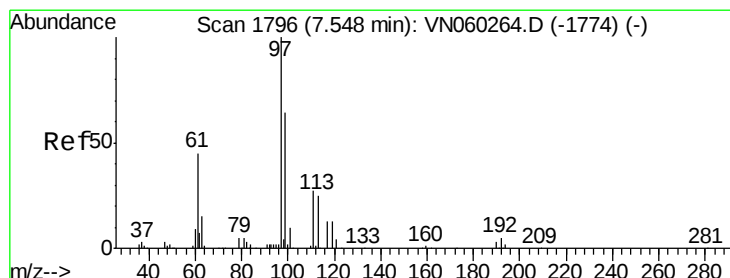
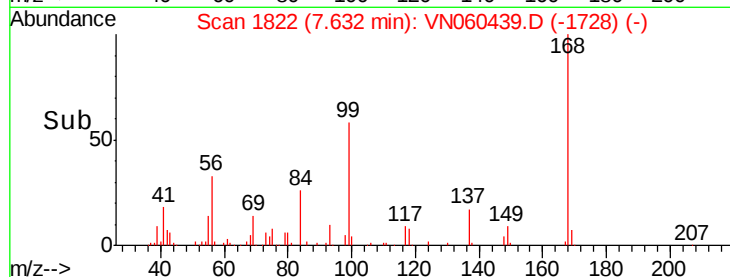
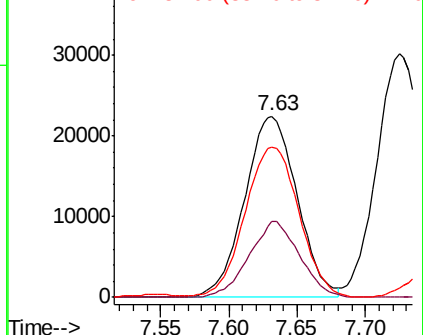
56 100

69 41.7 27.2 40.8#

84 82.3 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.291 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

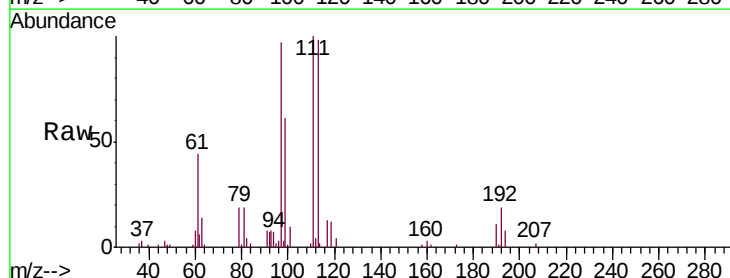
Tgt Ion: 97 Resp: 59595

Ion Ratio Lower Upper

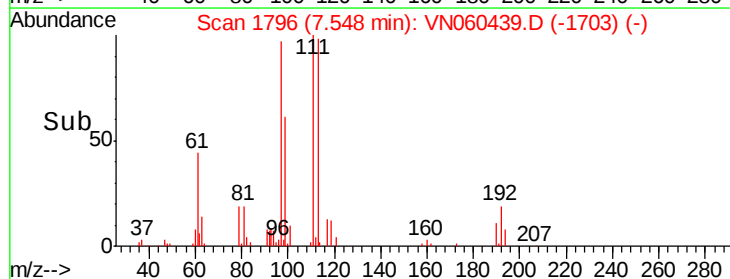
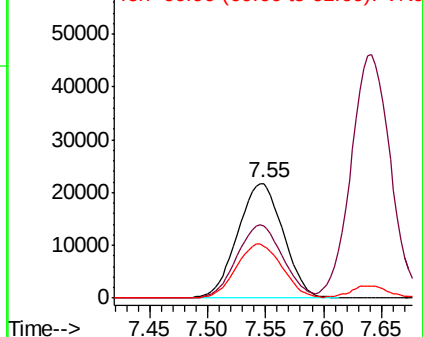
97 100

99 63.8 51.4 77.0

61 47.1 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.918 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

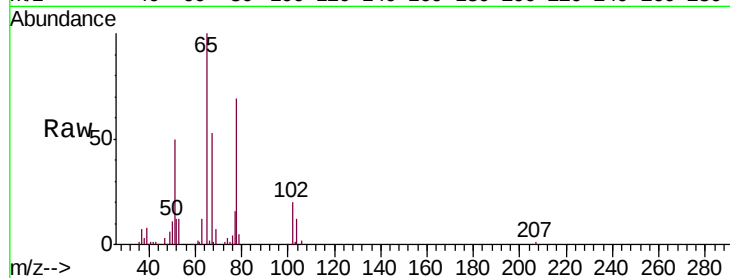
VN0311WBSD01

Tgt Ion: 65 Resp: 120751

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060439.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060439.D (-1845) (-)

8.00

60000

50000

40000

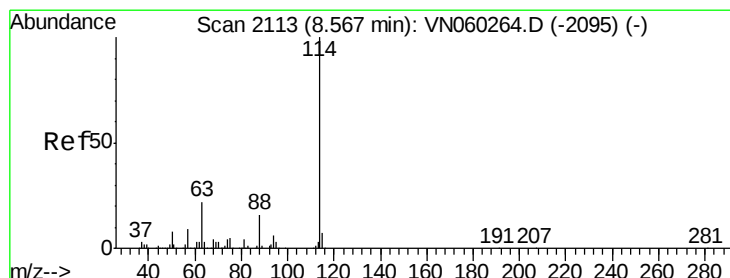
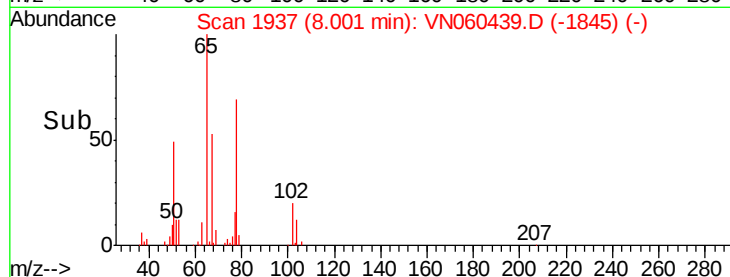
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

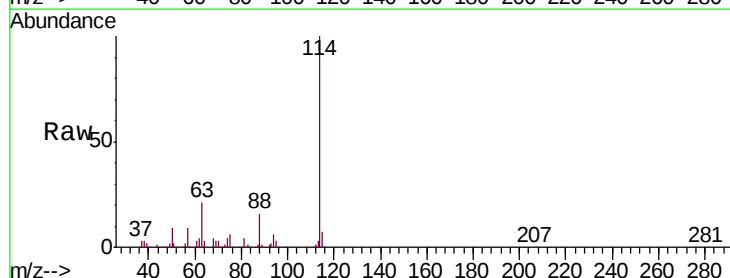
Tgt Ion: 114 Resp: 314133

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060439.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060439.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060439.D (-2020) (-)

200000

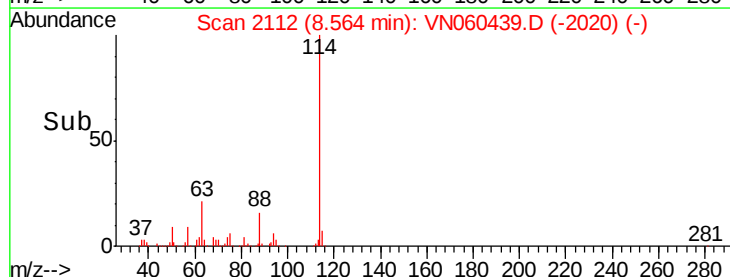
150000

100000

50000

0

Time-->

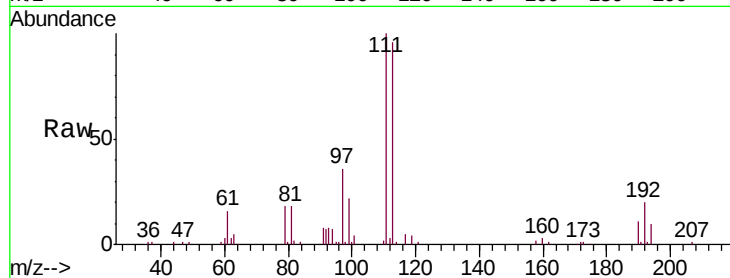




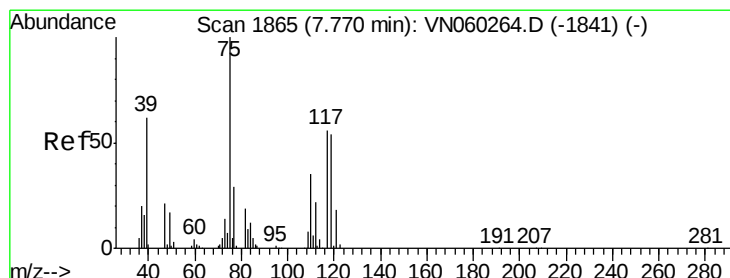
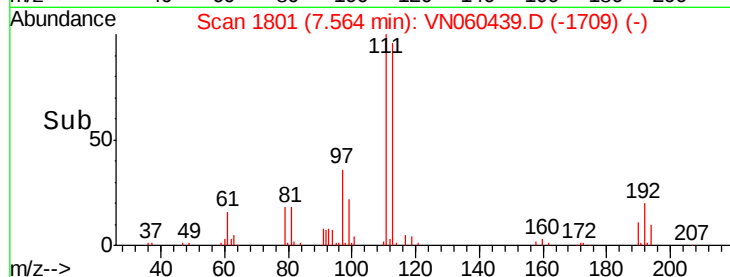
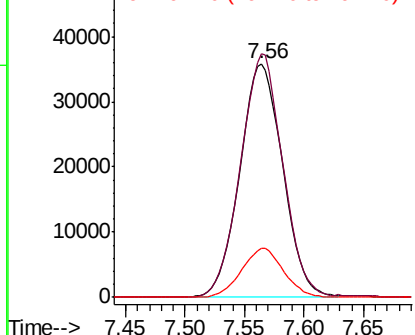
#35
 Dibromofluoromethane
 Concen: 61.481 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	20.5	16.2	24.2

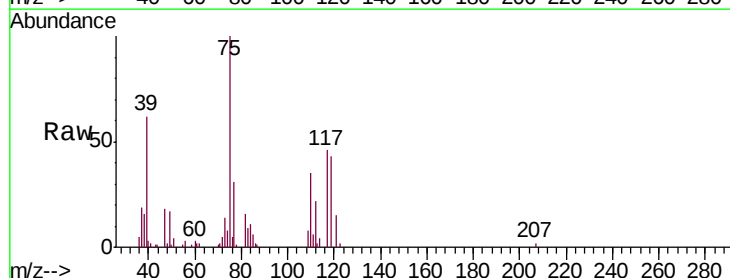


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

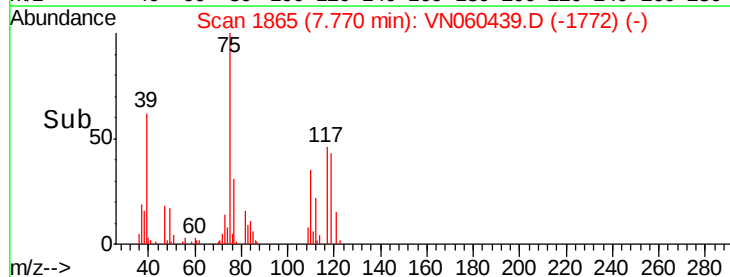
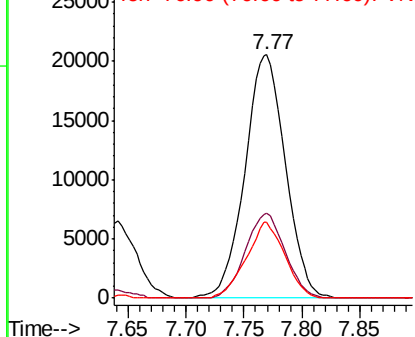


#36
 1,1-Dichloropropene
 Concen: 16.708 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	52.0
77	29.7	24.2	36.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

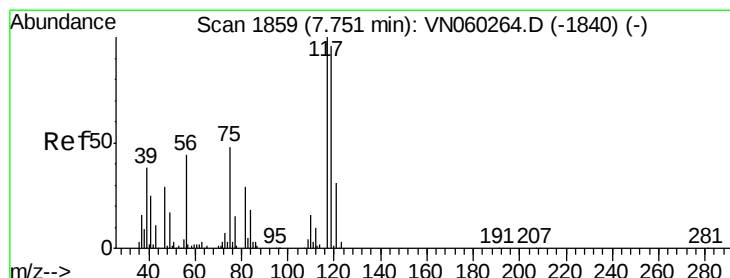
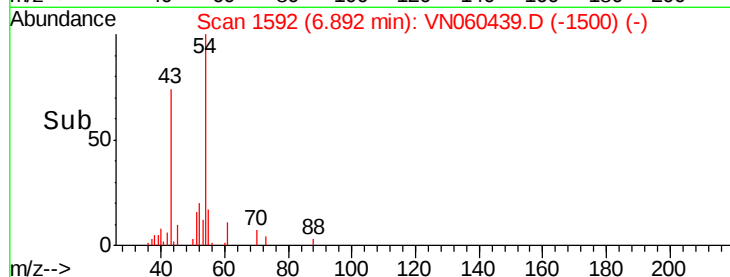
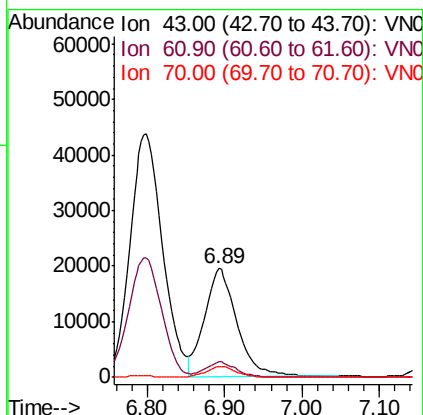
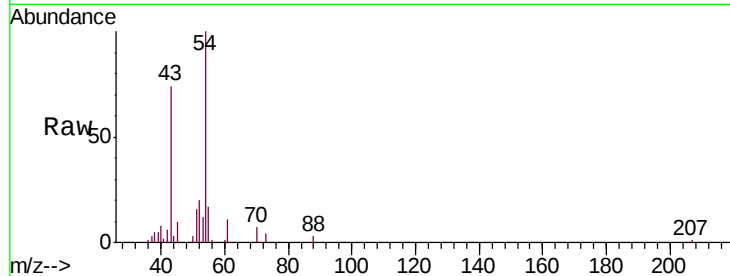




#37
 Ethyl Acetate
 Concen: 20.151 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

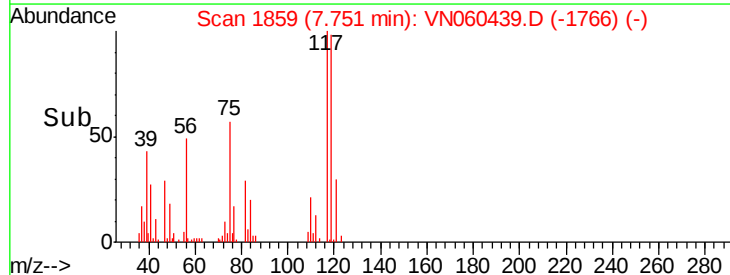
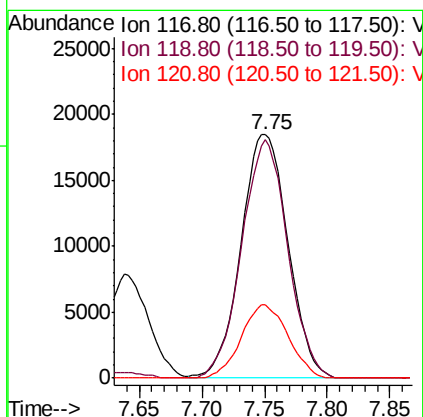
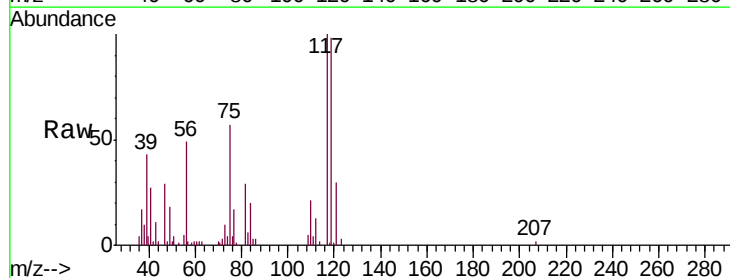
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion: 43 Resp: 57123
 Ion Ratio Lower Upper
 43 100
 61 13.4 11.1 16.7
 70 9.2 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 16.511 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion: 117 Resp: 48128
 Ion Ratio Lower Upper
 117 100
 119 97.7 76.7 115.1
 121 29.9 24.5 36.7

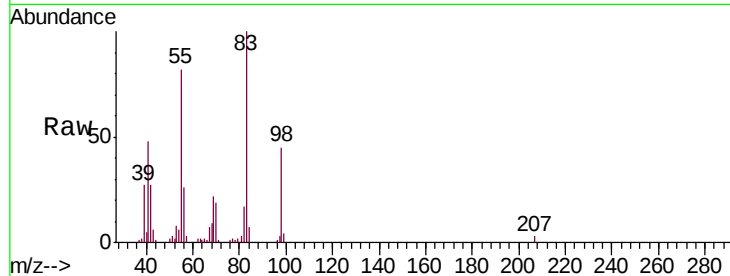




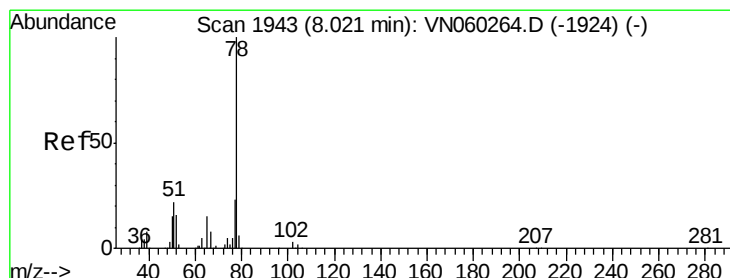
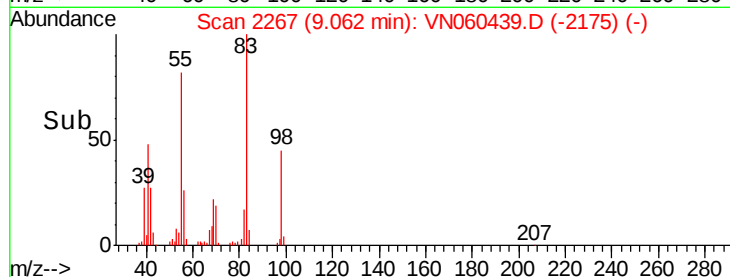
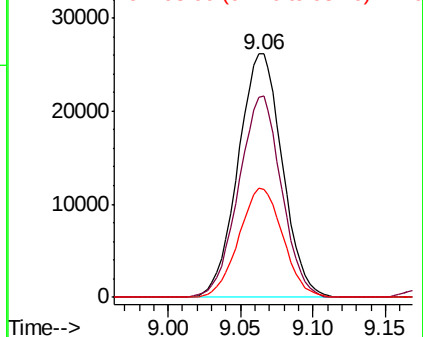
#39
Methylcyclohexane
Concen: 15.692 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0311WBSD01

Tgt Ion: 83 Resp: 55392
Ion Ratio Lower Upper
83 100
55 82.4 61.0 91.4
98 44.7 36.1 54.1

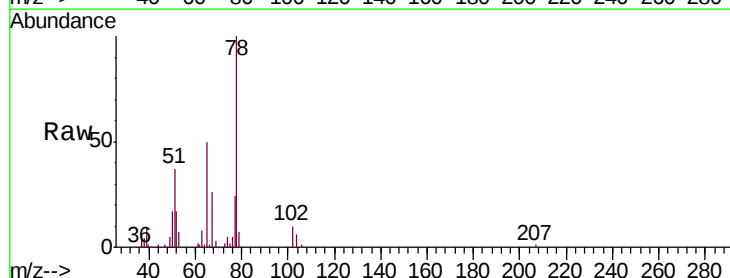


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

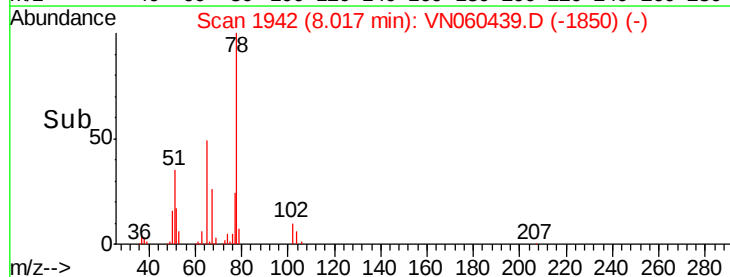
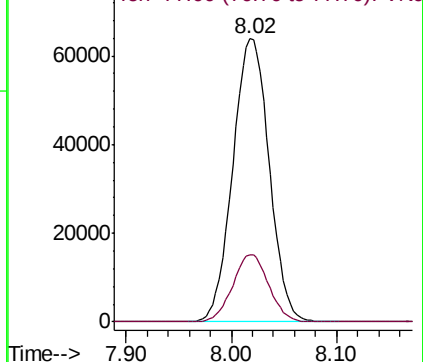


#40
Benzene
Concen: 17.576 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 78 Resp: 153157
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

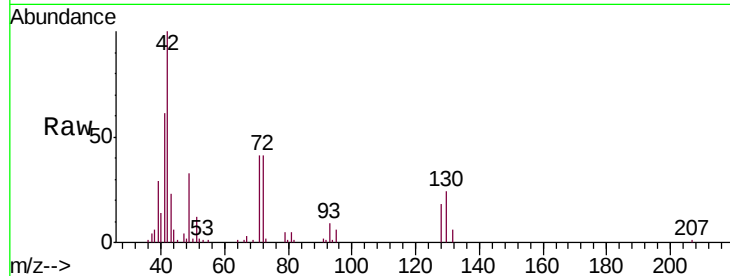




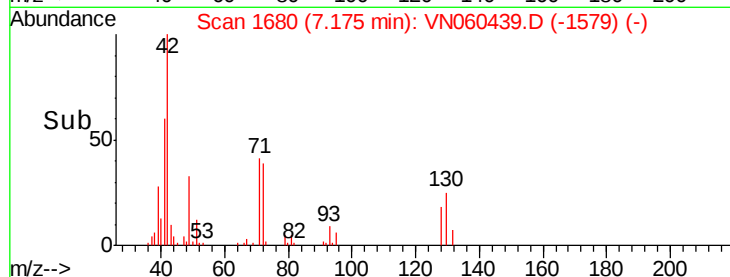
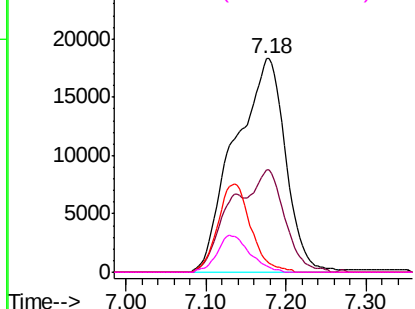
#41
Methacrylonitrile
Concen: 61.092 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion:	41	Resp:	79965
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

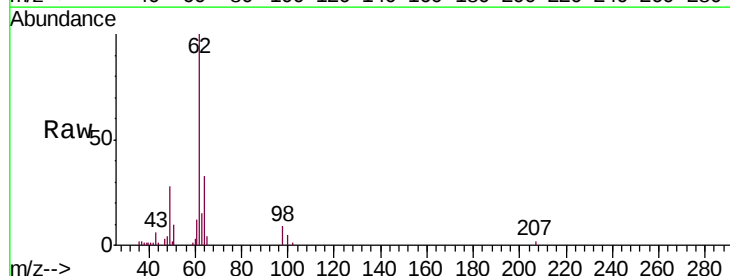


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

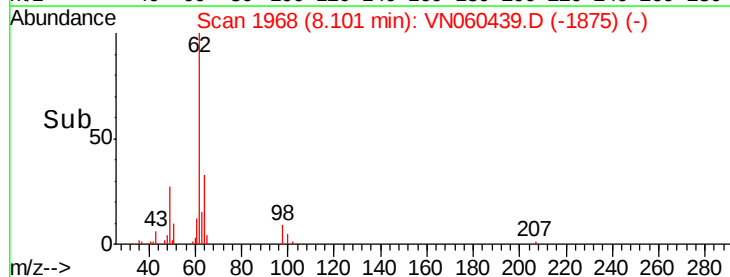
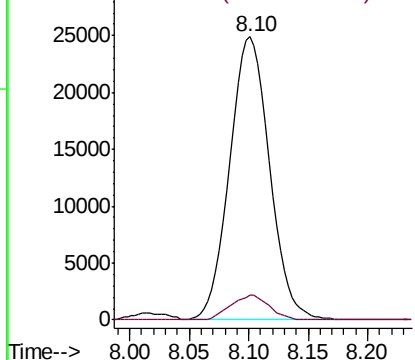


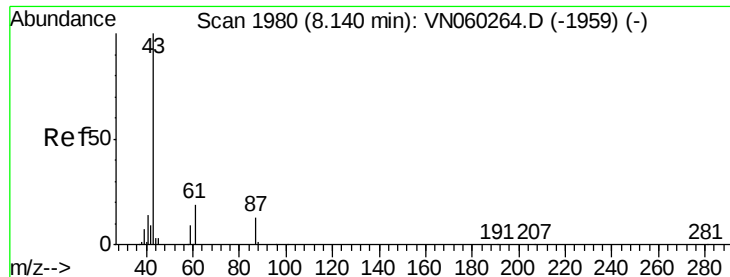
#42
1,2-Dichloroethane
Concen: 18.449 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion:	62	Resp:	58013
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 19.339 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

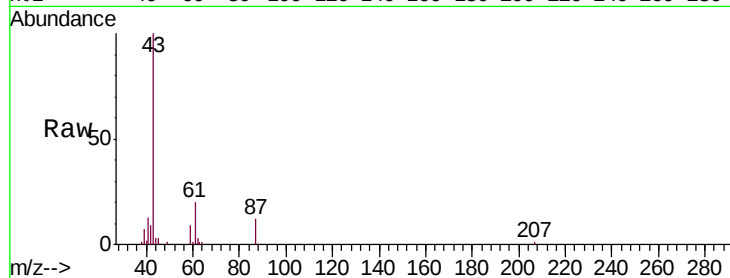
Tgt Ion: 43 Resp: 95974

Ion Ratio Lower Upper

43 100

61 26.0 20.9 31.3

87 12.2 10.6 16.0

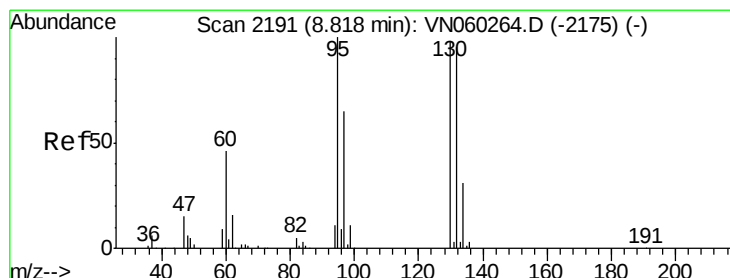
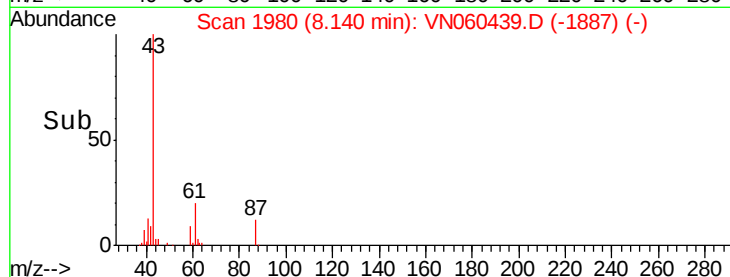
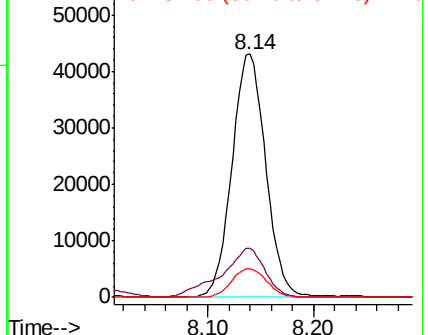


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 16.891 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060439.D

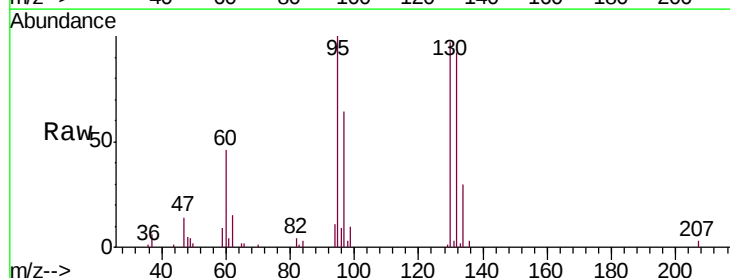
Acq: 11 Mar 2020 11:02

Tgt Ion: 130 Resp: 40991

Ion Ratio Lower Upper

130 100

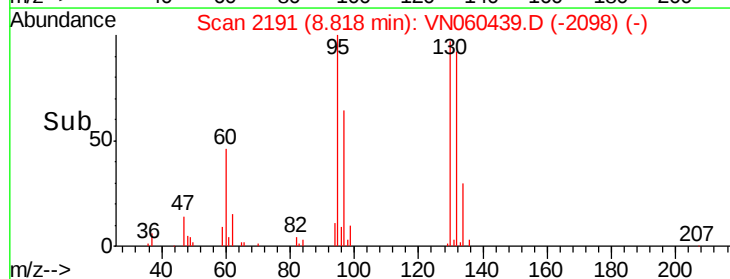
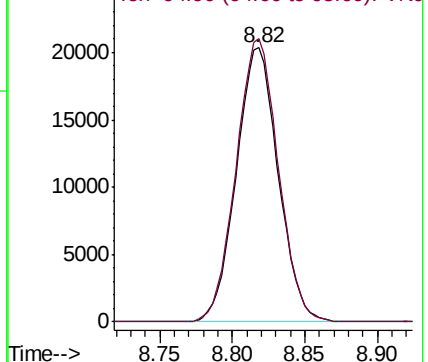
95 103.3 0.0 203.4

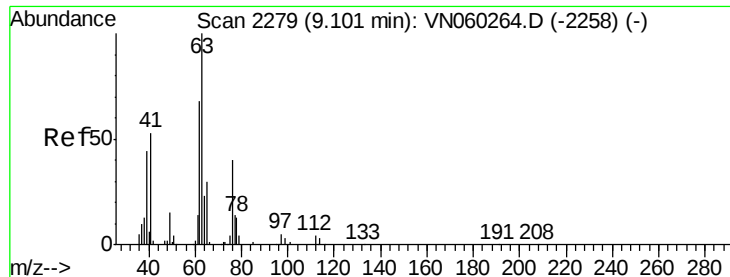


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

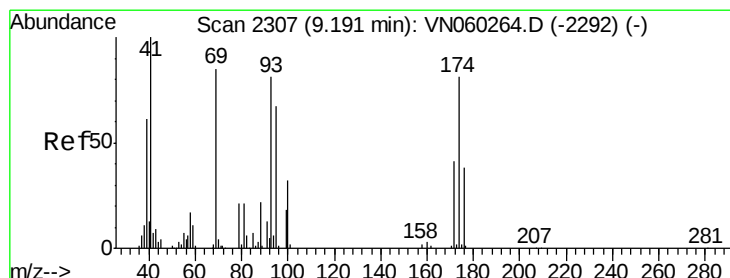
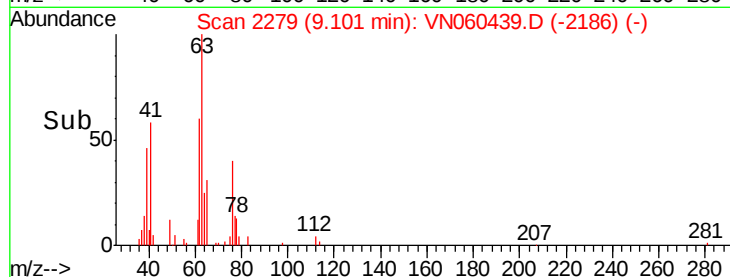
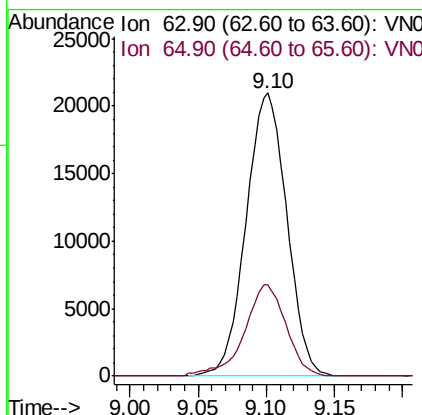
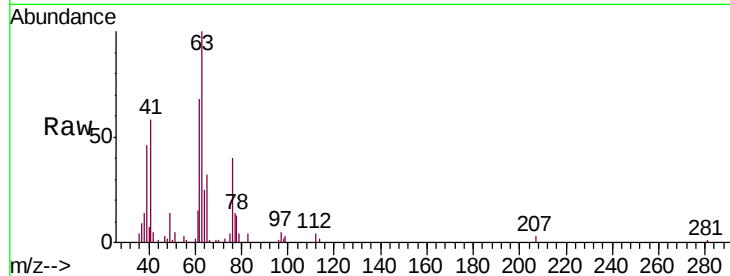




#45
 1,2-Dichloropropane
 Concen: 19.082 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

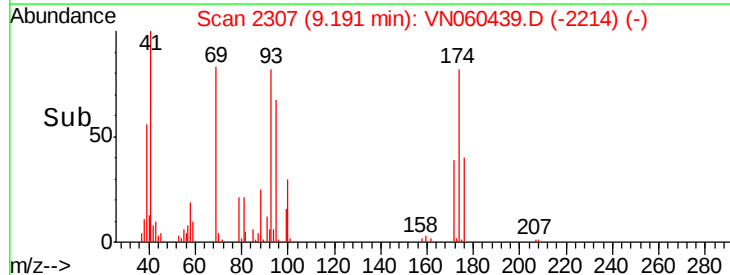
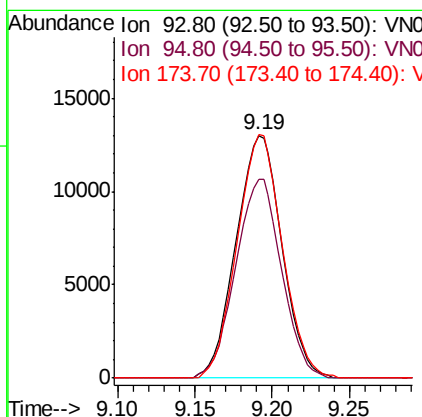
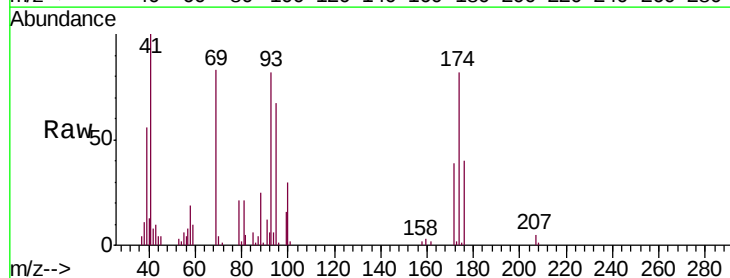
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

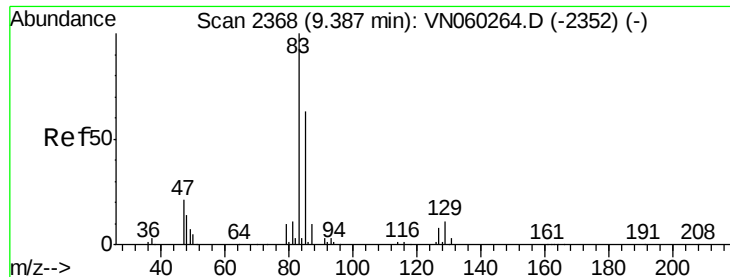
Tgt Ion: 63 Resp: 43473
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.4 36.6



#46
 Dibromomethane
 Concen: 18.097 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion: 93 Resp: 26752
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 99.1 79.6 119.4





#47

Bromodichloromethane

Concen: 18.809 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

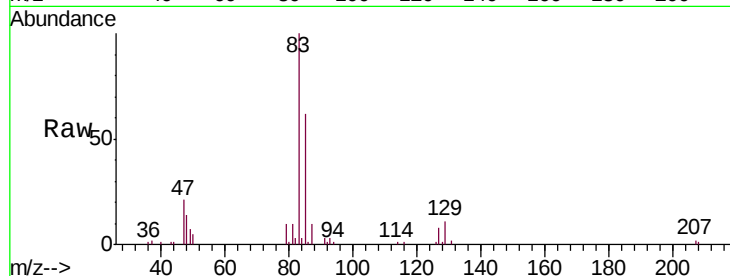
Tgt Ion: 83 Resp: 56552

Ion Ratio Lower Upper

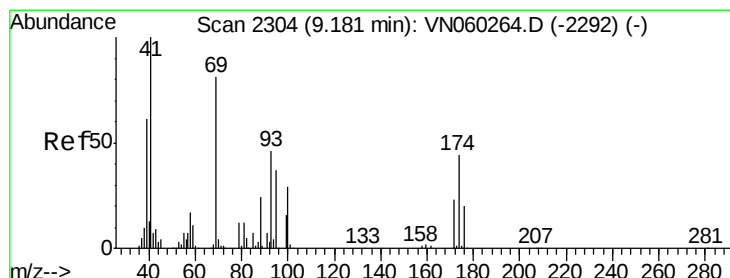
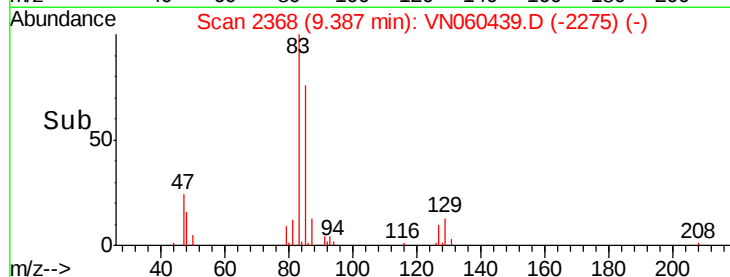
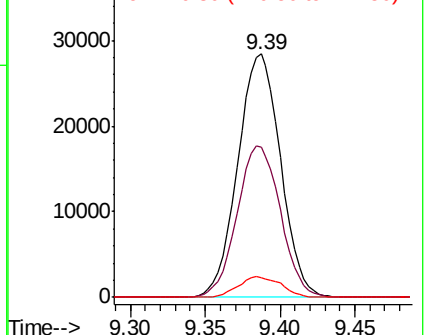
83 100

85 61.6 50.7 76.1

127 8.2 6.8 10.2



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



#48

Methyl methacrylate

Concen: 18.052 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

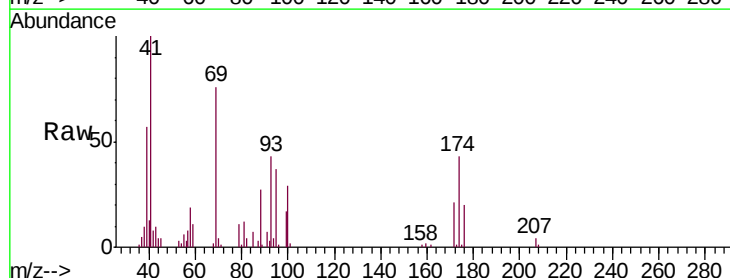
Tgt Ion: 41 Resp: 40853

Ion Ratio Lower Upper

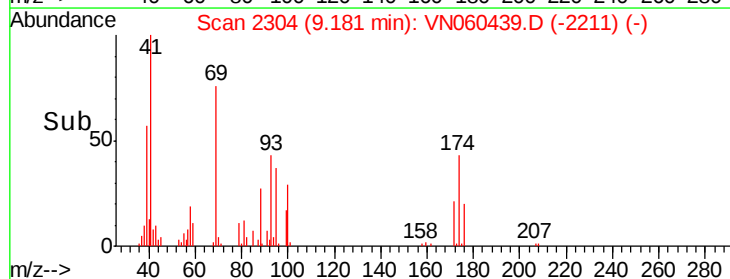
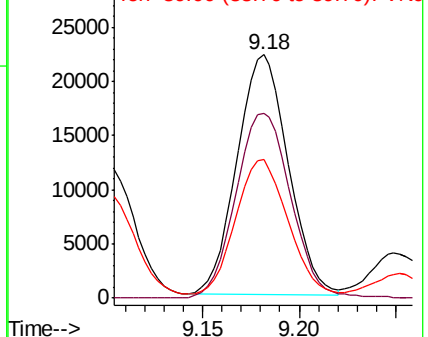
41 100

69 82.7 66.7 100.1

39 57.4 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

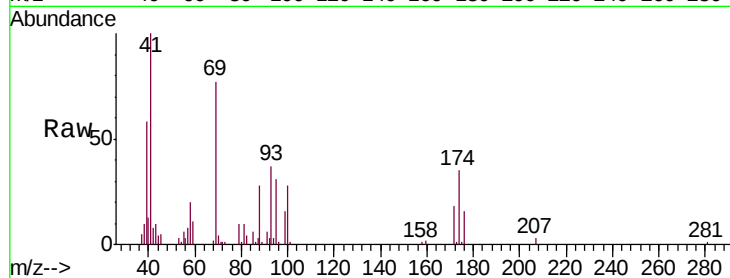




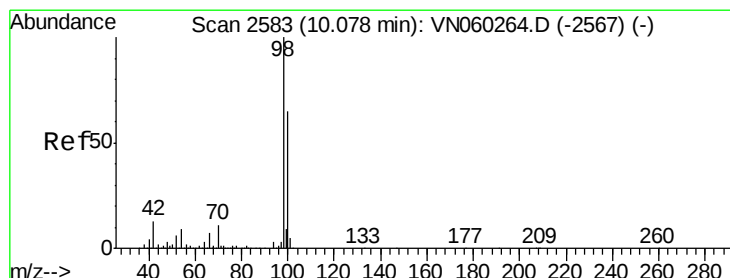
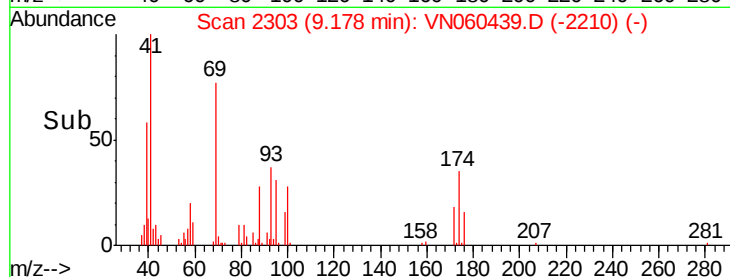
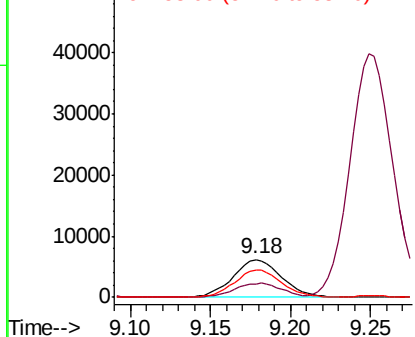
#49
1,4-Dioxane
Concen: 399.839 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion: 88 Resp: 12725
Ion Ratio Lower Upper
88 100
43 36.7 30.4 45.6
58 70.5 57.0 85.6

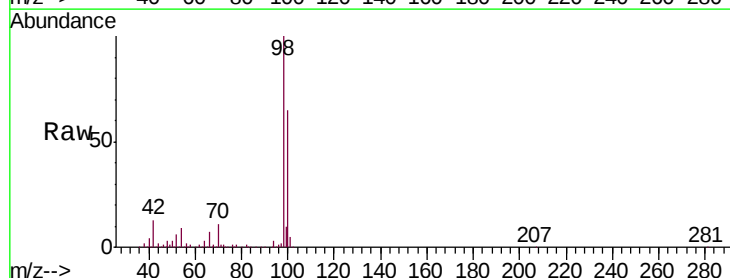


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

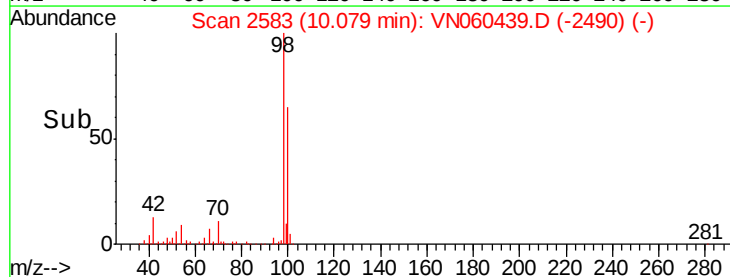
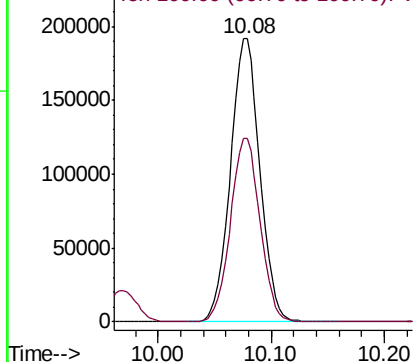


#50
Toluene-d8
Concen: 47.006 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 98 Resp: 346886
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



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

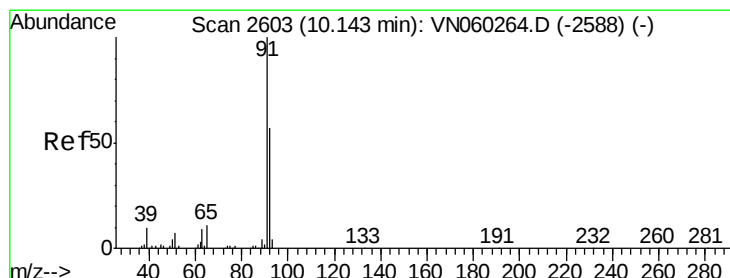
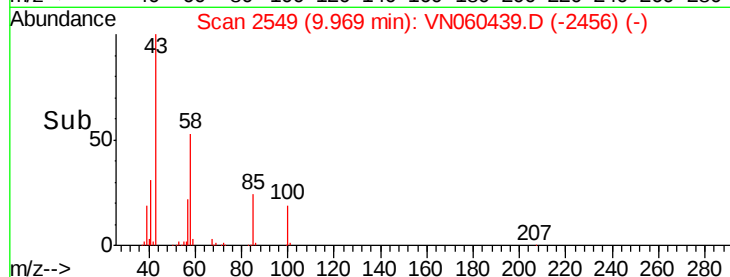
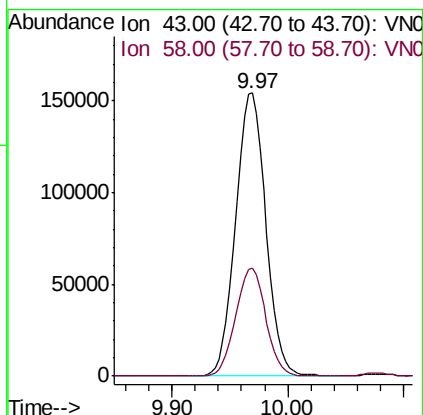
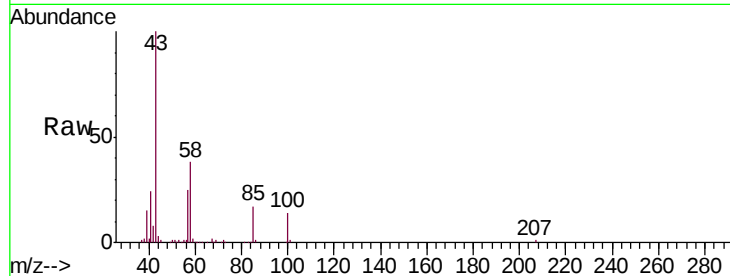




#51
 4-Methyl-2-Pentanone
 Concen: 98.877 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

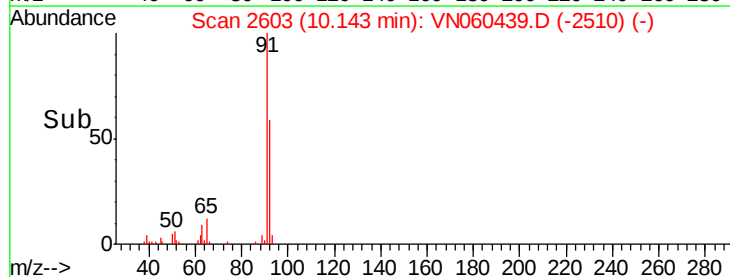
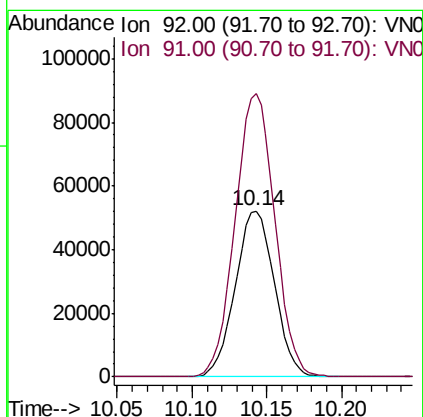
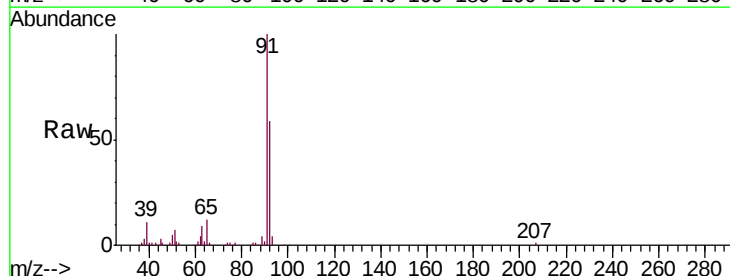
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

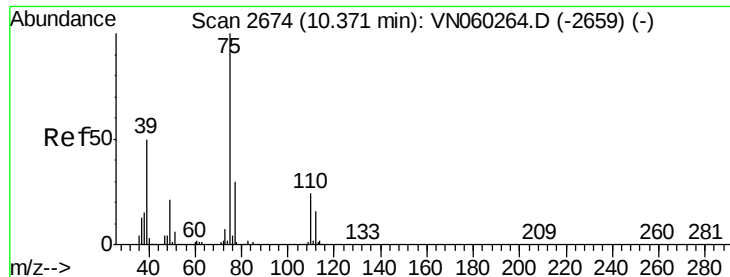
Tgt Ion: 43 Resp: 278221
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.9 46.3



#52
 Toluene
 Concen: 17.367 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion: 92 Resp: 95060
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.282 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

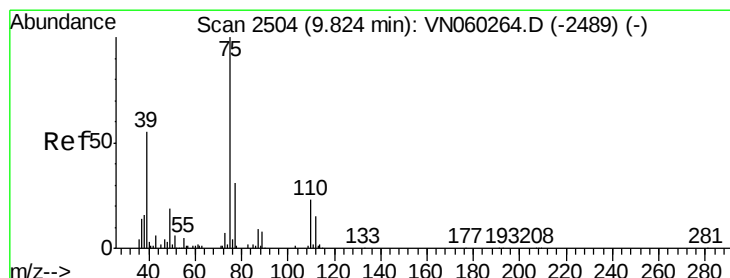
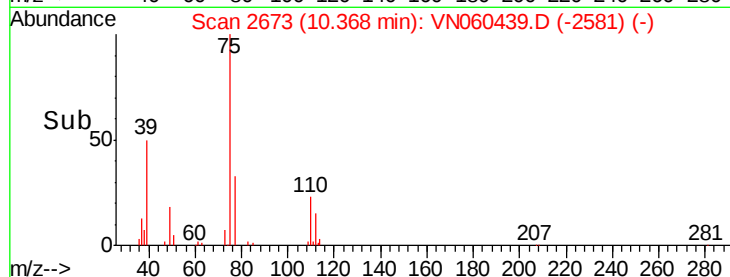
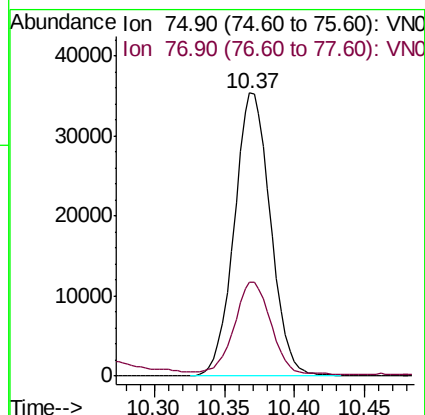
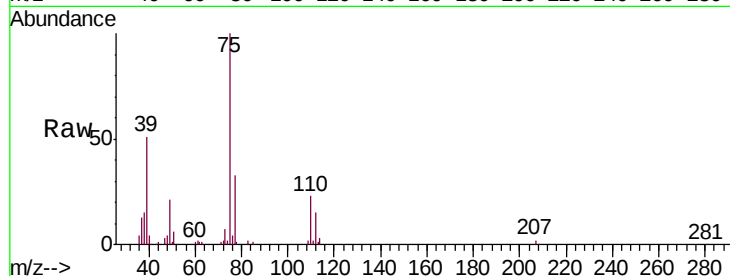
VN0311WBSD01

Tgt Ion: 75 Resp: 63667

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.265 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

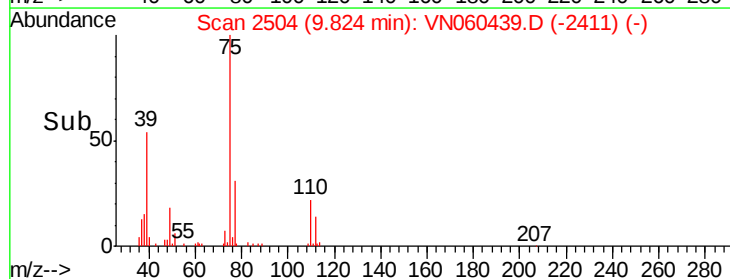
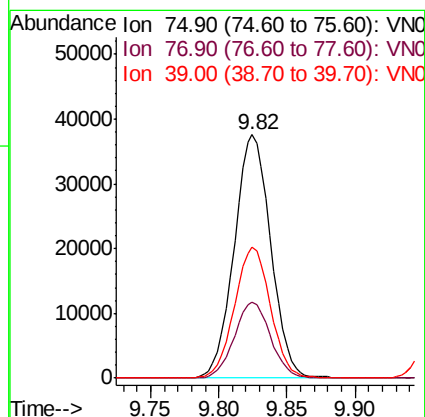
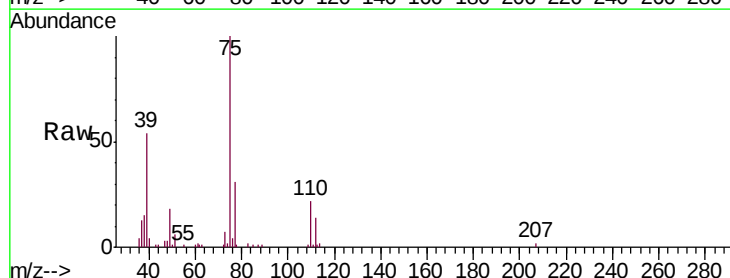
Tgt Ion: 75 Resp: 69725

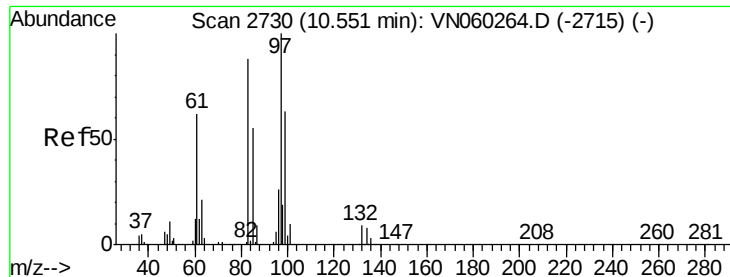
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 53.7 43.8 65.8

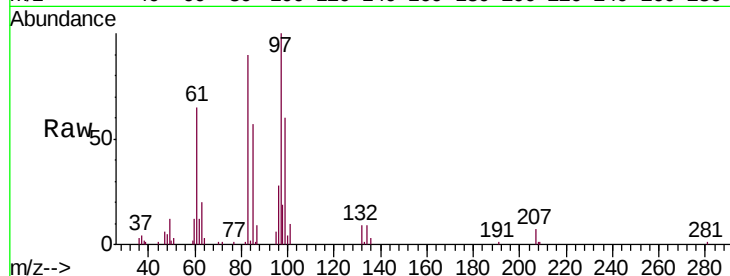




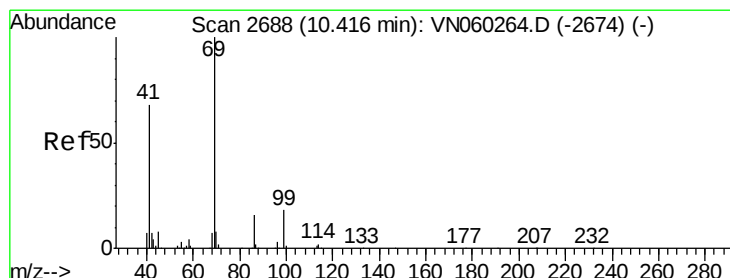
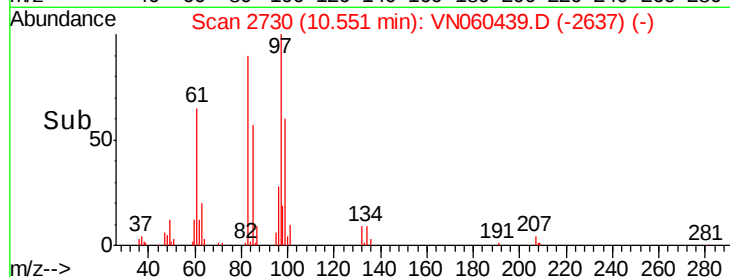
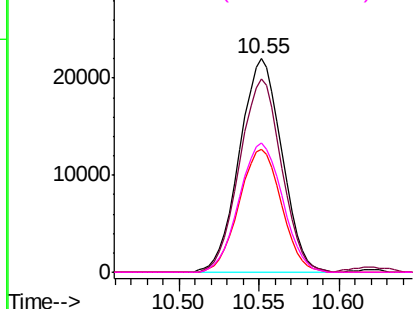
#55
 1,1,2-Trichloroethane
 Concen: 18.134 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion:	97	Resp:	39916
Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.0	105.0
85	57.5	44.0	66.0
99	60.3	50.4	75.6

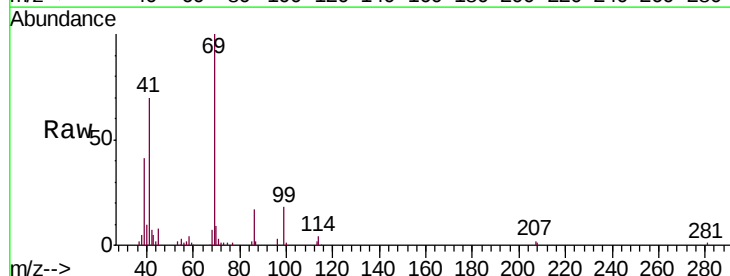


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

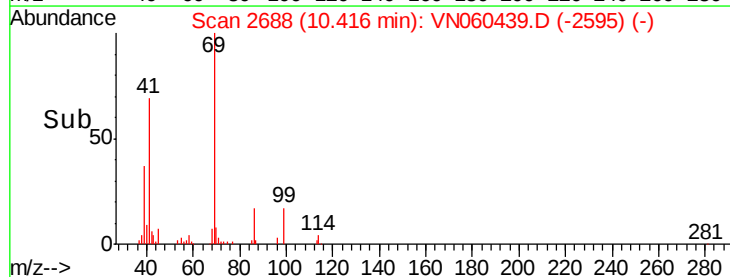
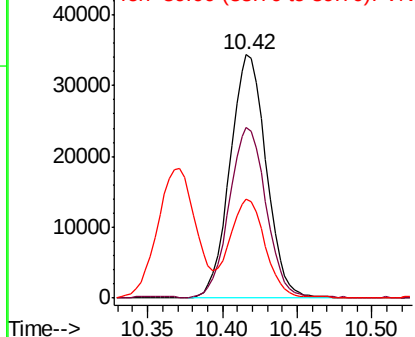


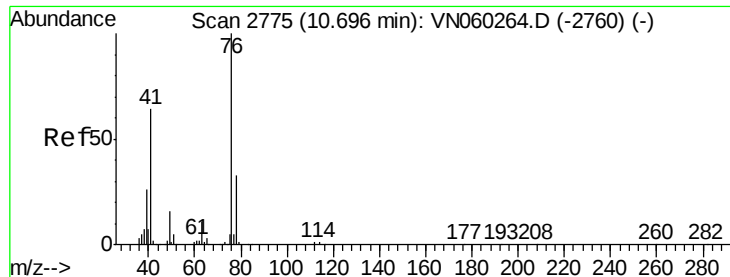
#56
 Ethyl methacrylate
 Concen: 18.293 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion:	69	Resp:	57849
Ion	Ratio	Lower	Upper
69	100		
41	71.7	54.1	81.1
39	40.7	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: 19.220 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

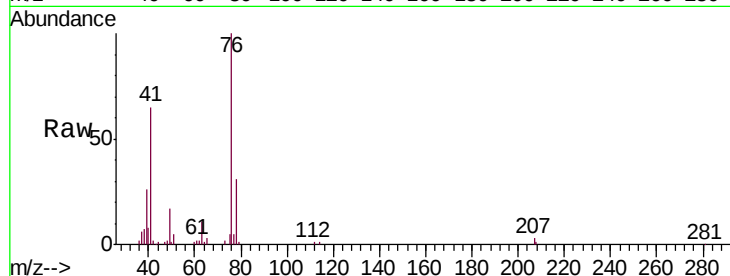
VN0311WBSD01

Tgt Ion: 76 Resp: 68995

Ion Ratio Lower Upper

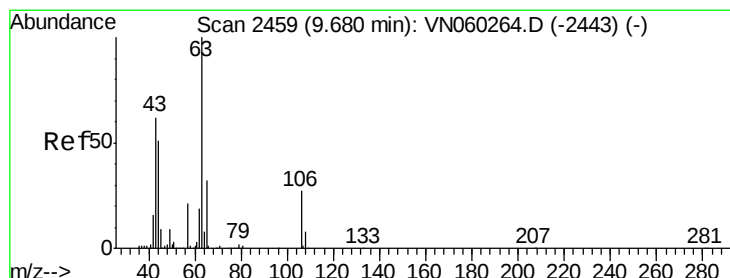
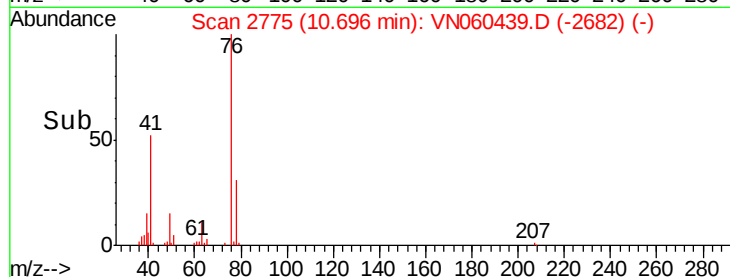
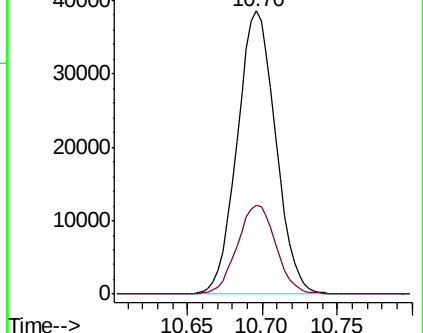
76 100

78 31.6 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-2760) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 95.252 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060439.D

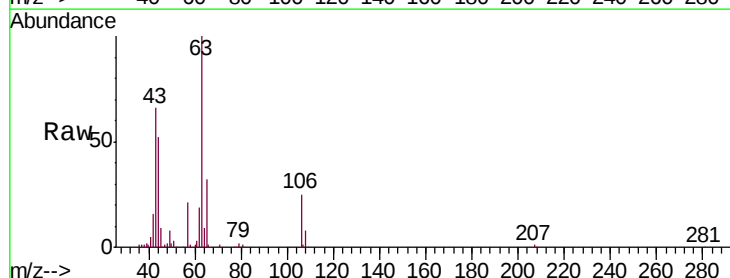
Acq: 11 Mar 2020 11:02

Tgt Ion: 63 Resp: 157540

Ion Ratio Lower Upper

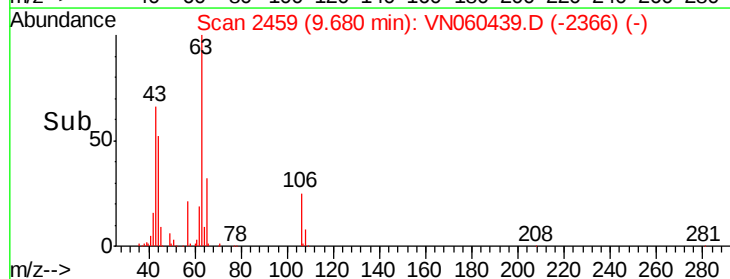
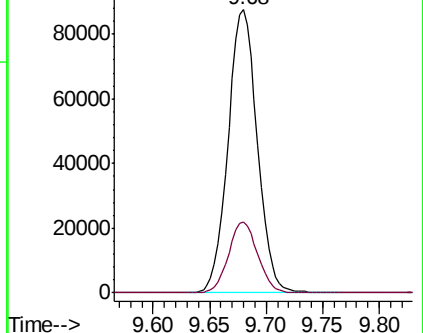
63 100

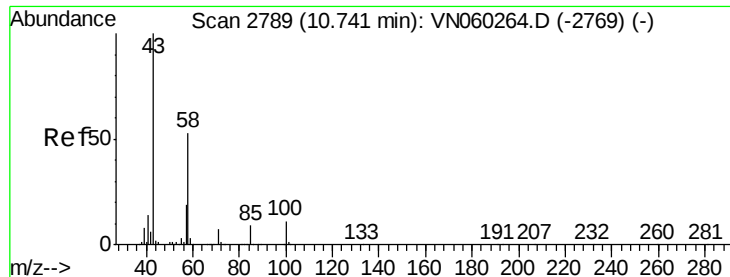
106 25.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060264.D (-2443) (-)

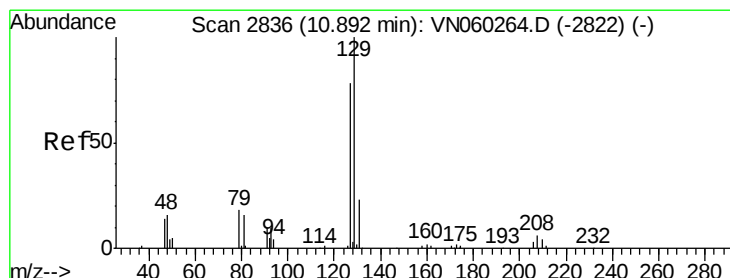
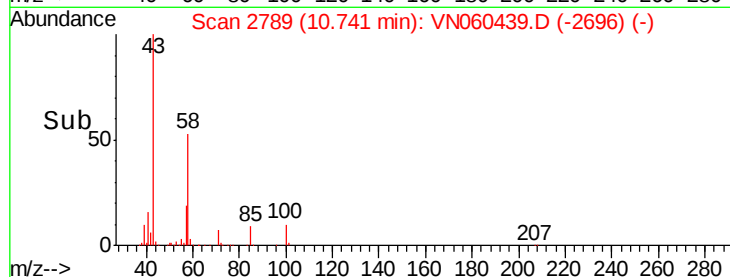
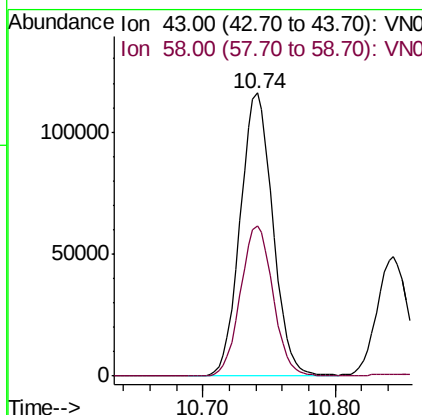
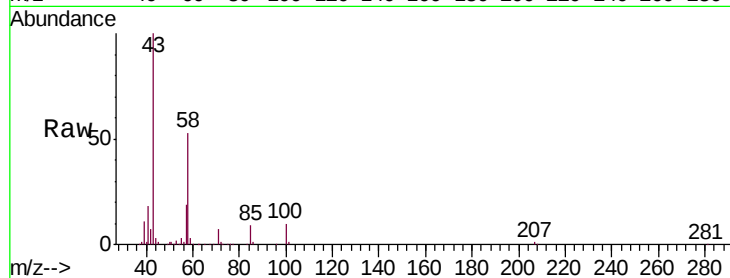




#59
2-Hexanone
Concen: 95.959 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

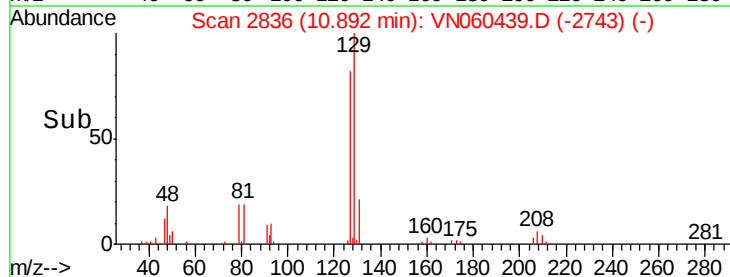
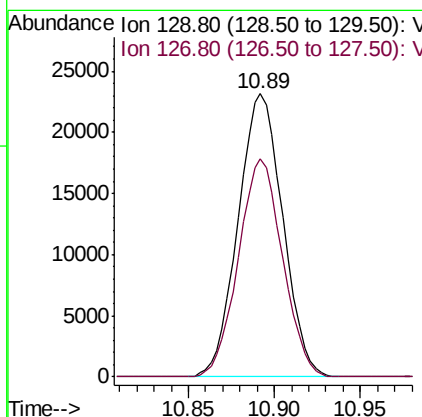
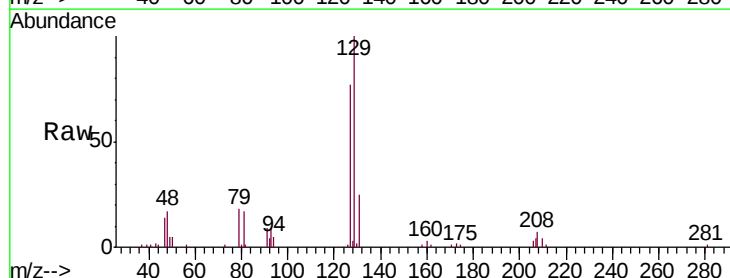
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion: 43 Resp: 198249
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 18.593 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 129 Resp: 41622
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.376 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

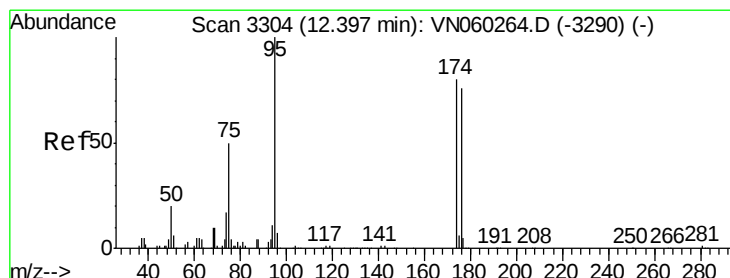
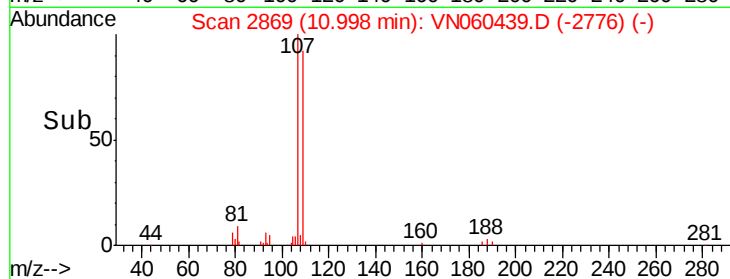
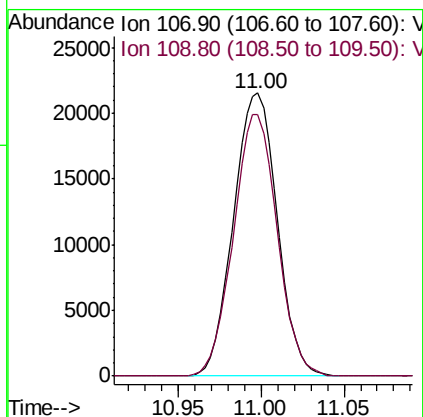
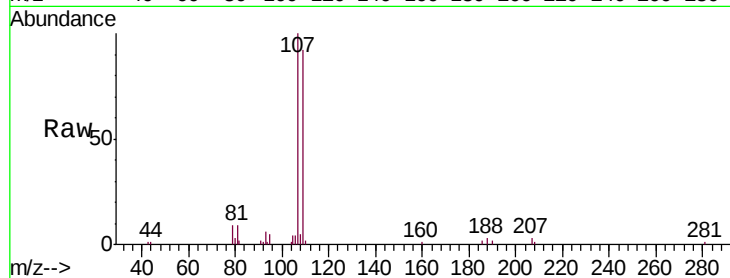
VN0311WBSD01

Tgt Ion: 107 Resp: 39430

Ion Ratio Lower Upper

107 100

109 92.6 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 46.956 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

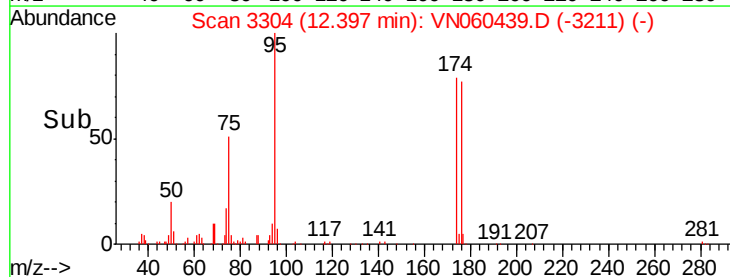
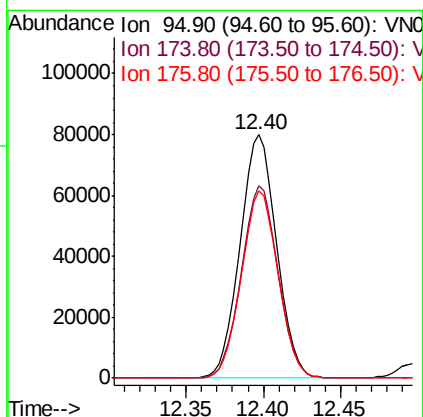
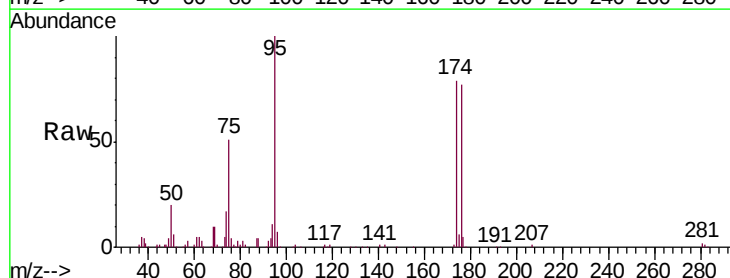
Tgt Ion: 95 Resp: 131356

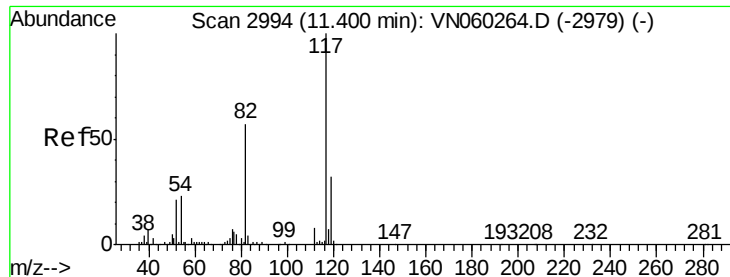
Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

176 77.2 0.0 153.8

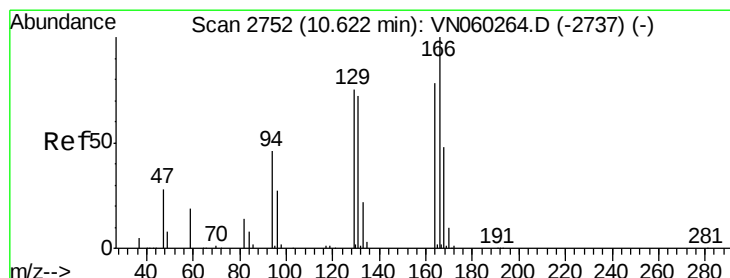
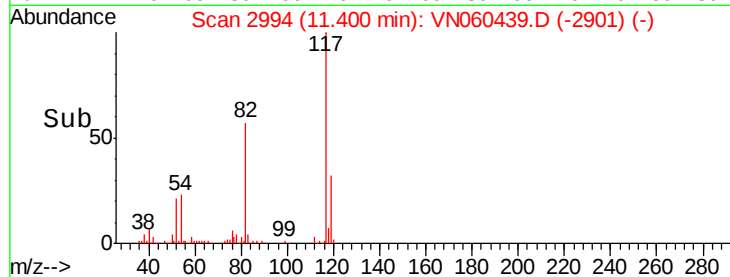
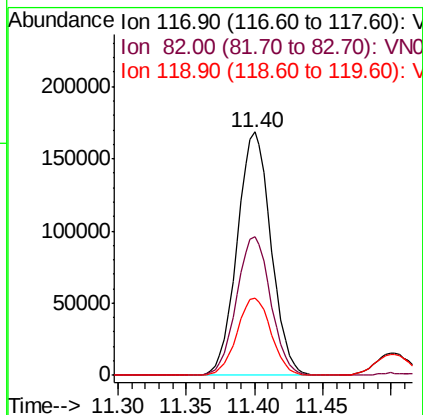
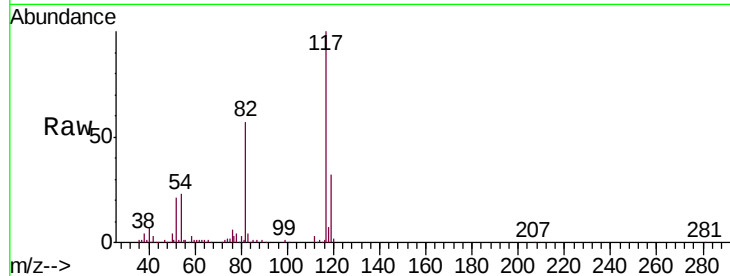




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

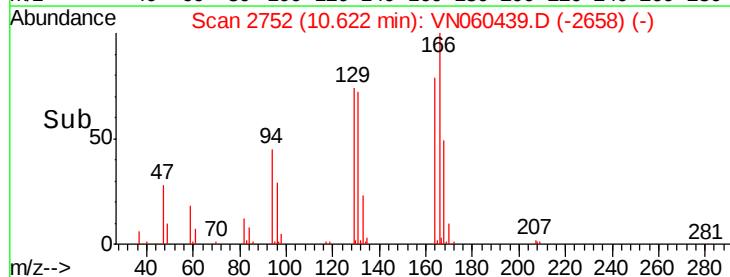
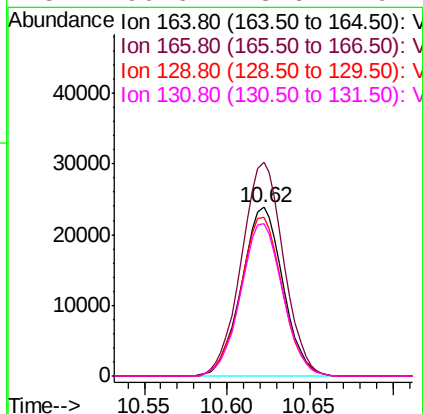
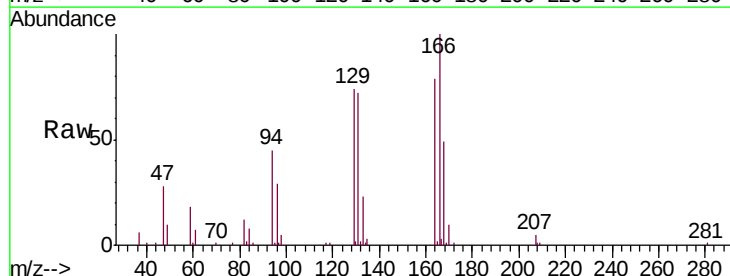
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

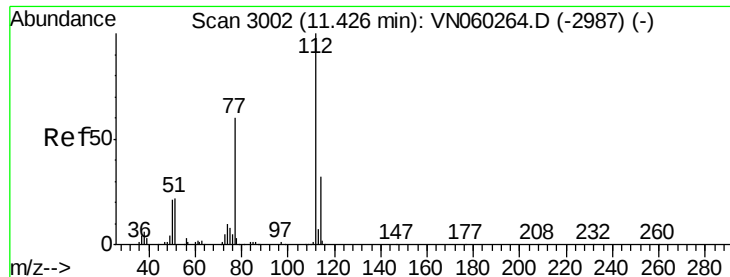
Tgt Ion:117 Resp: 289736
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 17.319 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion:164 Resp: 41618
Ion Ratio Lower Upper
164 100
166 126.7 102.0 153.0
129 94.2 76.4 114.6
131 90.6 73.6 110.4





#65

Chlorobenzene

Concen: 17.101 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

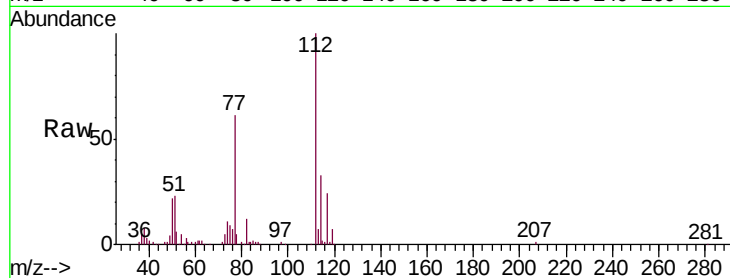
VN0311WBSD01

Tgt Ion:112 Resp: 100052

Ion Ratio Lower Upper

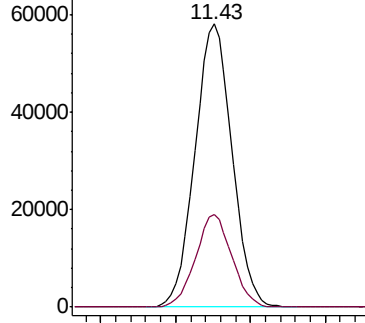
112 100

114 32.8 25.4 38.0

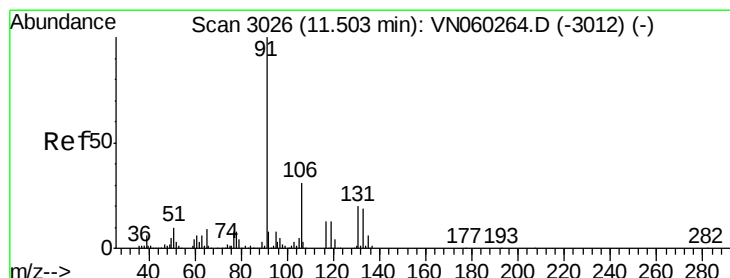
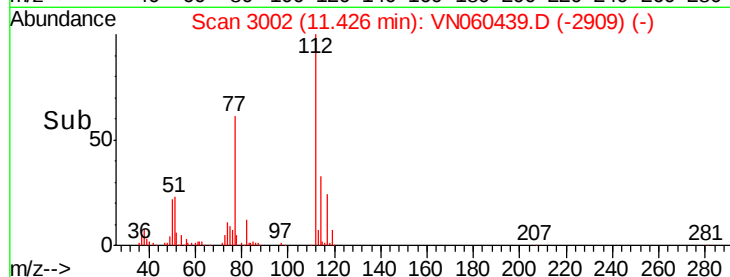


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.219 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

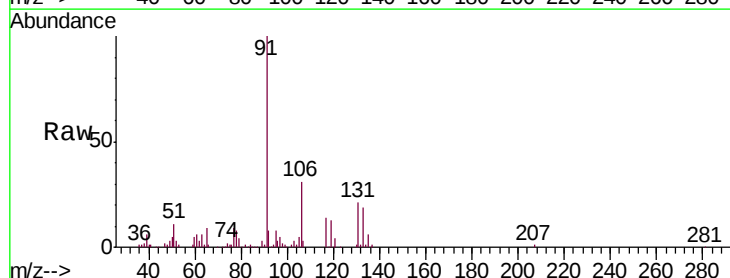
Tgt Ion:131 Resp: 39412

Ion Ratio Lower Upper

131 100

133 94.5 47.7 143.1

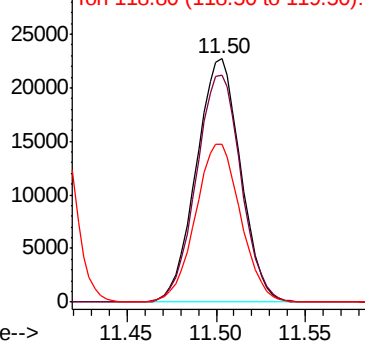
119 66.1 33.2 99.6



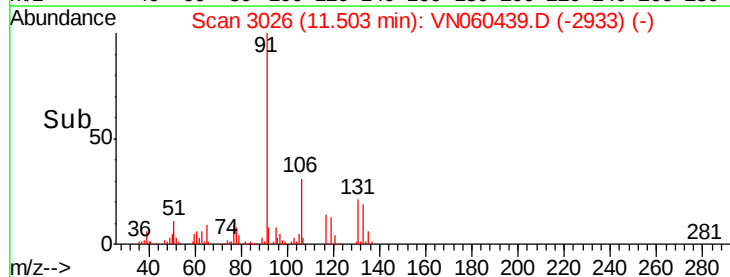
Abundance Ion 130.80 (130.50 to 131.50): V

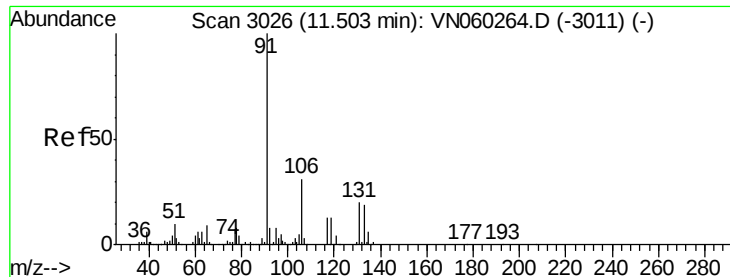
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 17.375 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

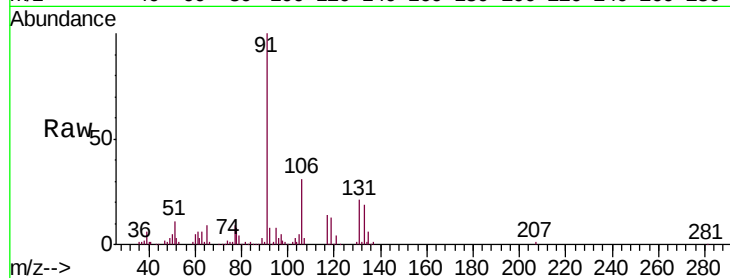
VN0311WBSD01

Tgt Ion: 91 Resp: 185115

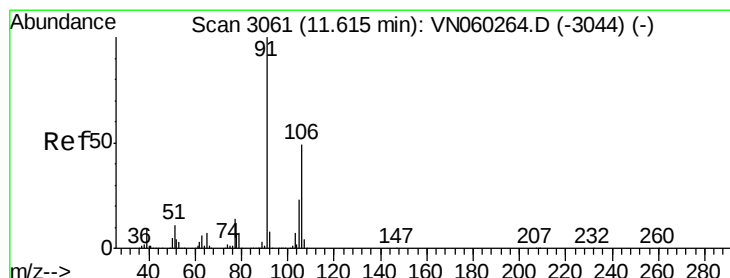
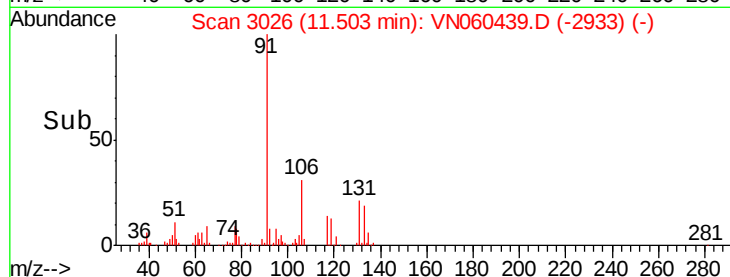
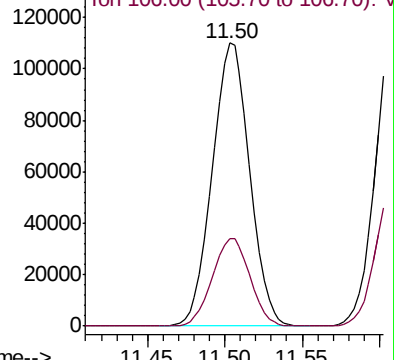
Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060439.D (-2933) (-)



#68

m/p-Xylenes

Concen: 33.631 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060439.D

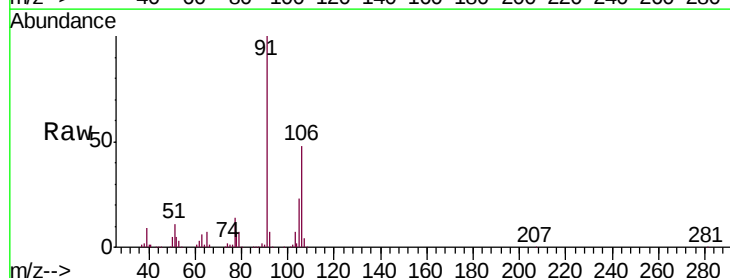
Acq: 11 Mar 2020 11:02

Tgt Ion: 106 Resp: 135189

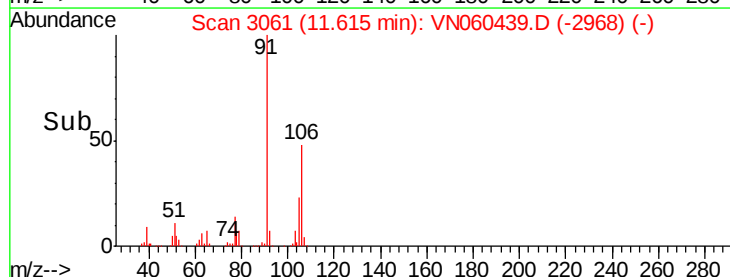
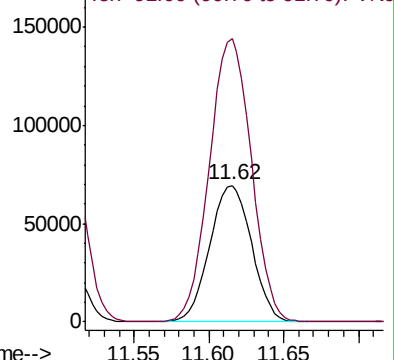
Ion Ratio Lower Upper

106 100

91 208.5 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060439.D (-2968) (-)

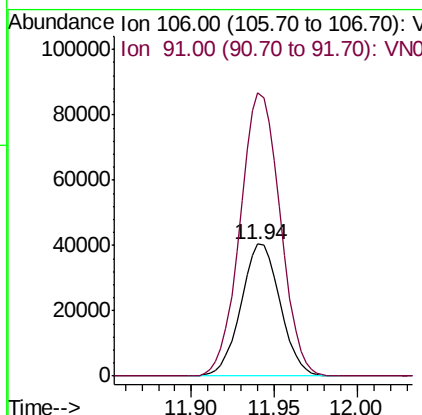
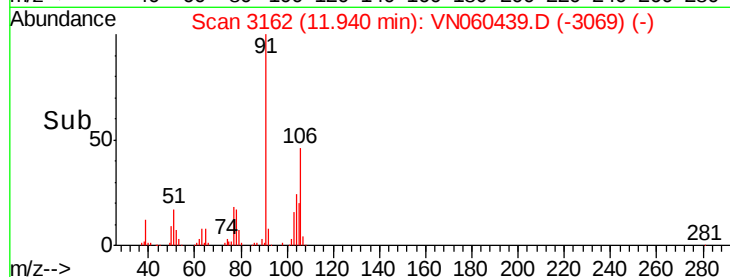
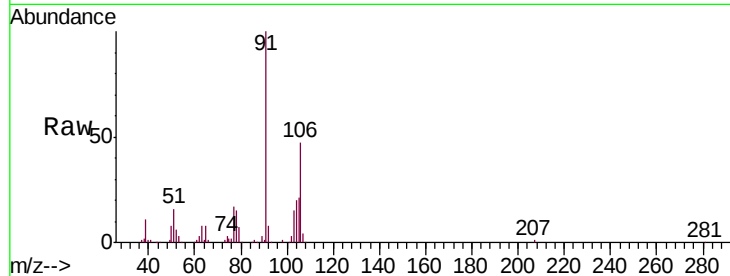




#69
o-Xylene
Concen: 17.324 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

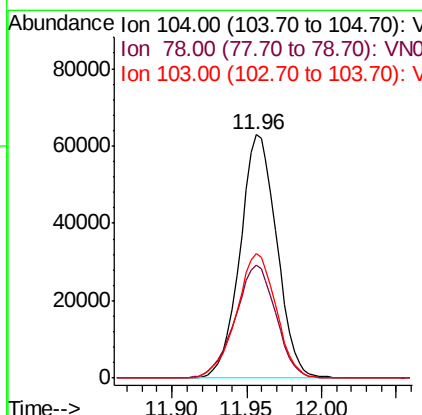
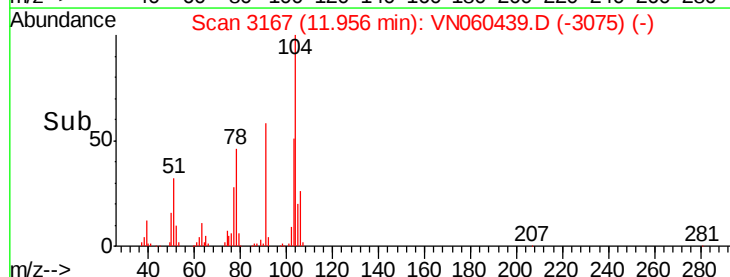
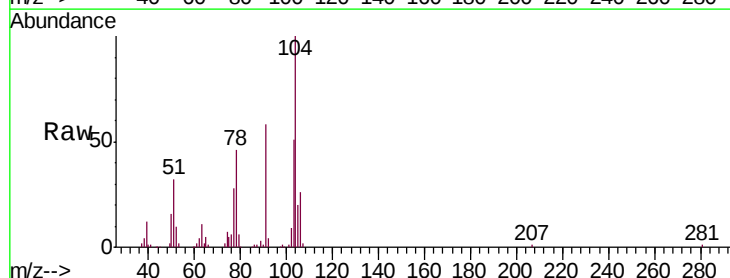
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

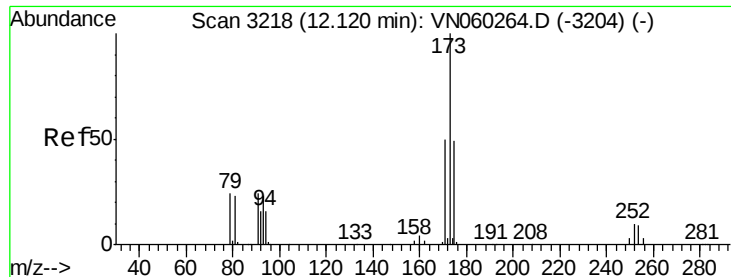
Tgt Ion:106 Resp: 66405
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4



#70
Styrene
Concen: 17.015 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion:104 Resp: 107232
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.597 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

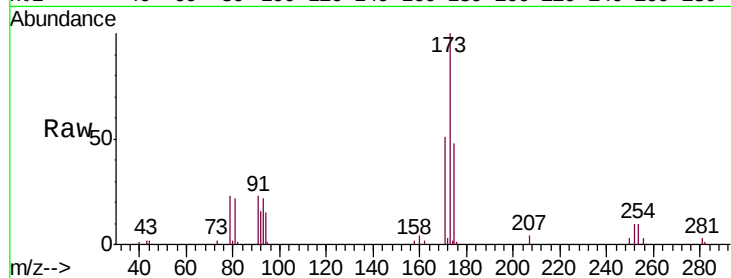
Tgt Ion:173 Resp: 28994

Ion Ratio Lower Upper

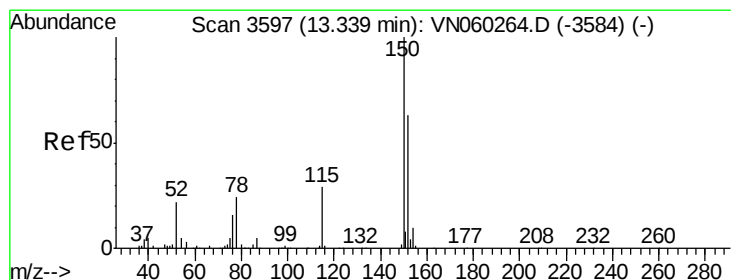
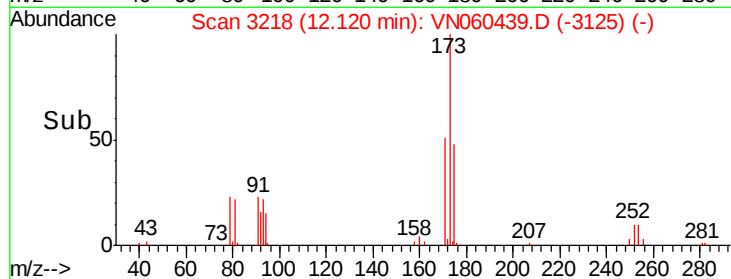
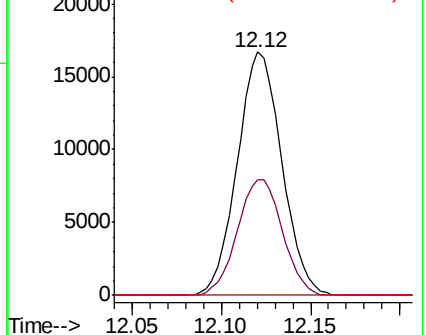
173 100

175 48.1 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: VN060439.D

Acq: 11 Mar 2020 11:02

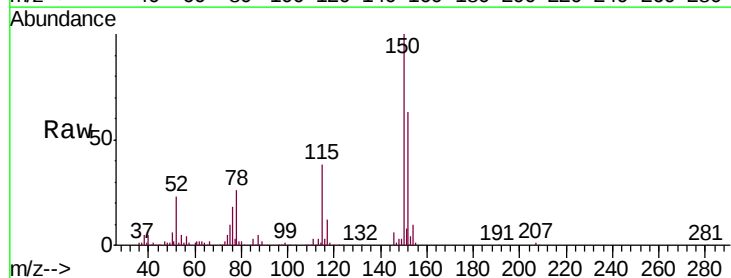
Tgt Ion:152 Resp: 138128

Ion Ratio Lower Upper

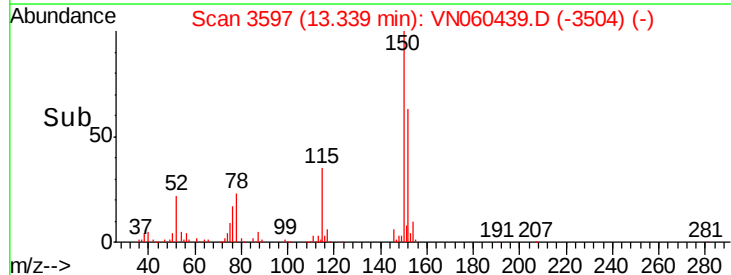
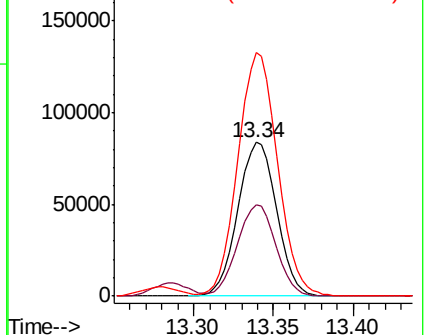
152 100

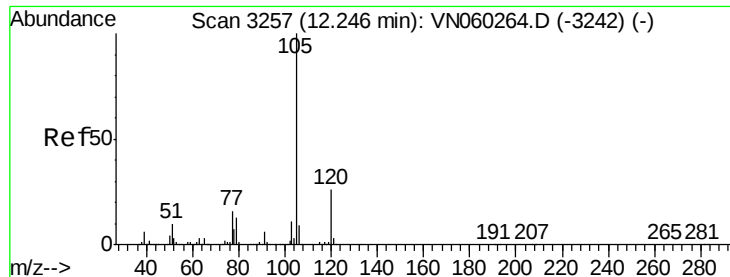
115 59.1 30.0 90.0

150 162.4 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: 17.485 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

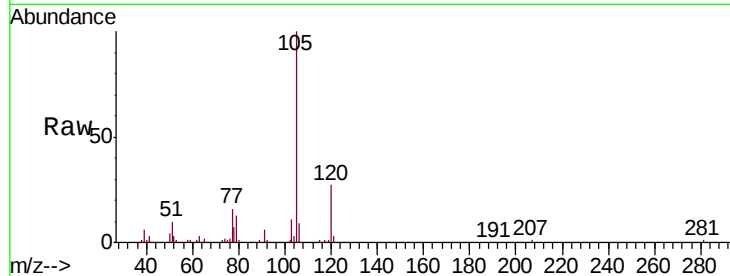
VN0311WBSD01

Tgt Ion: 105 Resp: 179013

Ion Ratio Lower Upper

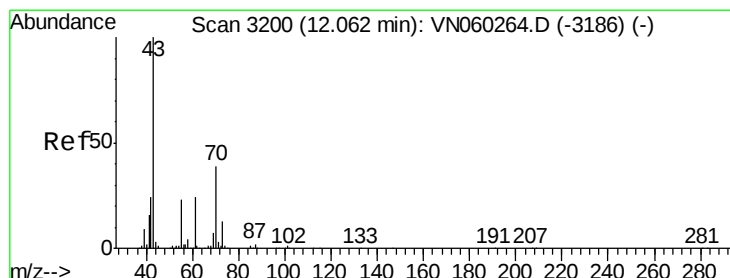
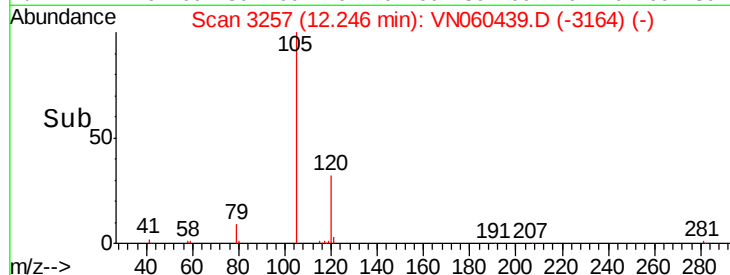
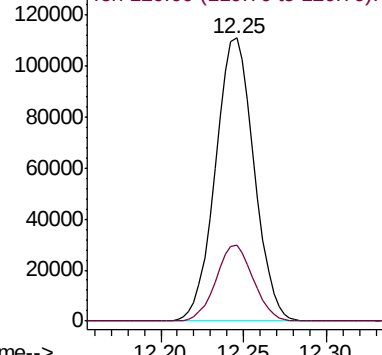
105 100

120 26.1 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-ethyl acetate

Concen: 18.033 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Tgt Ion: 43 Resp: 80674

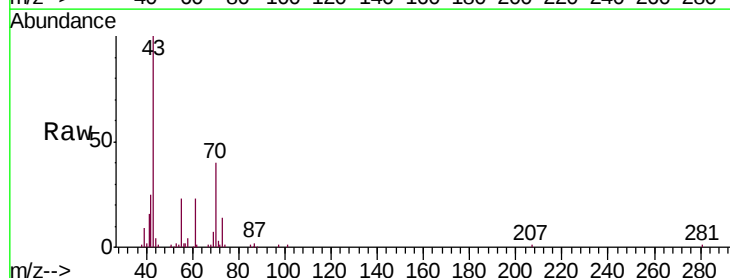
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.2

55 23.7 18.2 27.4

61 23.6 19.2 28.8

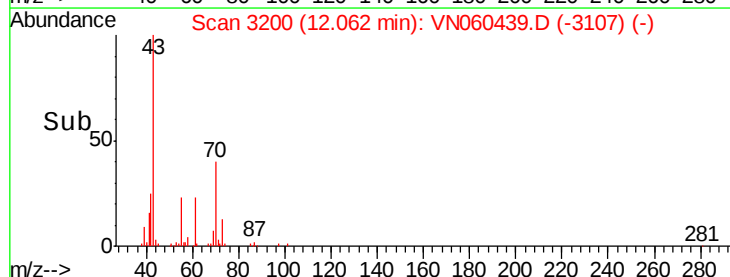
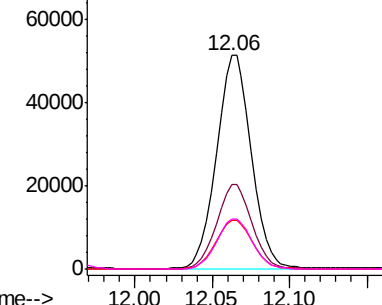


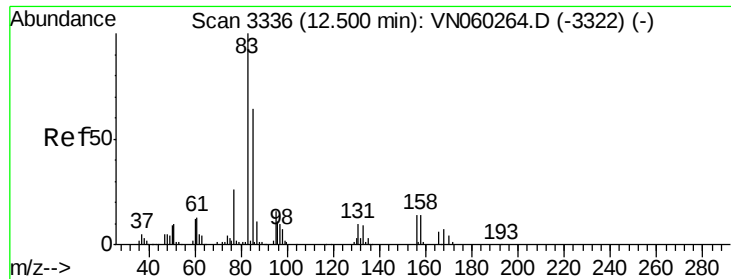
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.946 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

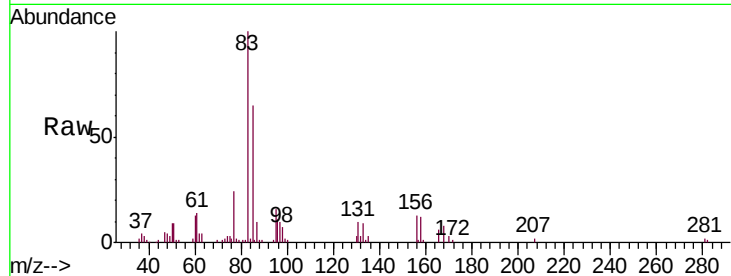
Tgt Ion: 83 Resp: 55508

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

85 63.1 32.3 96.8

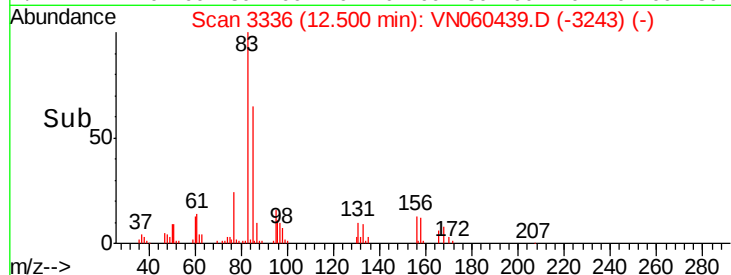


Abundance Ion 82.90 (82.60 to 83.60): VN060439.D (-3243) (-)

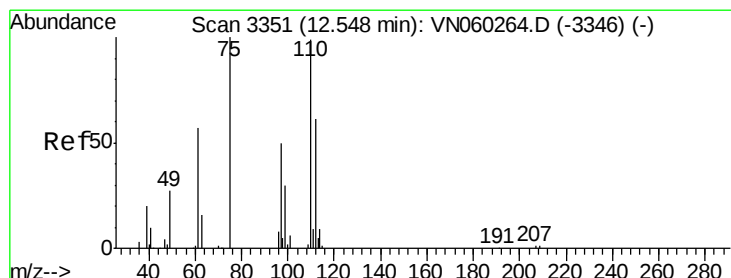
Ion 130.80 (130.50 to 131.50): VN060439.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060439.D (-3243) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.289 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060439.D

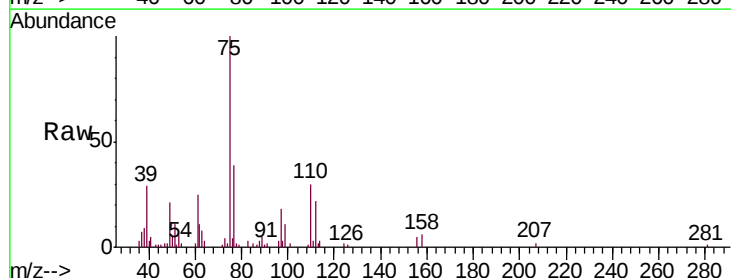
Acq: 11 Mar 2020 11:02

Tgt Ion: 75 Resp: 76640

Ion Ratio Lower Upper

75 100

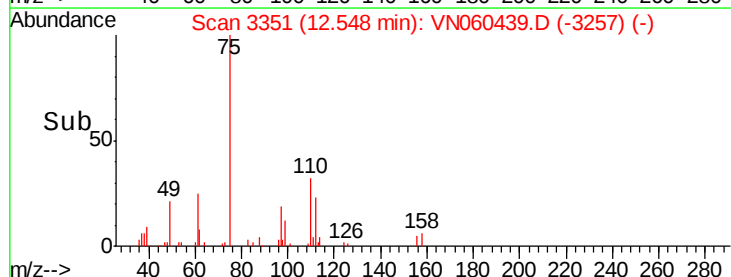
77 0.0 0.0 0.0



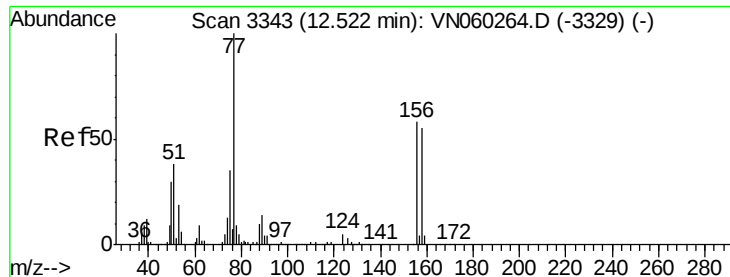
Abundance Ion 74.90 (74.60 to 75.60): VN060439.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060439.D (-3257) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 17.645 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

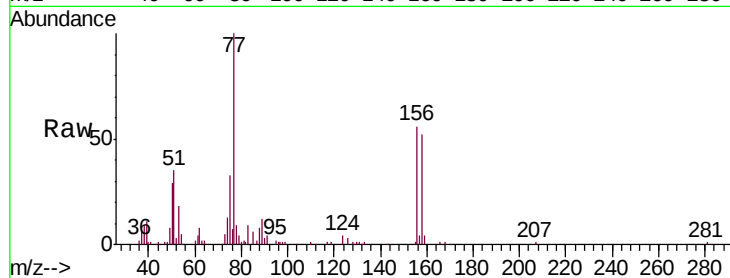
Tgt Ion:156 Resp: 44282

Ion Ratio Lower Upper

156 100

77 217.8 106.1 318.3

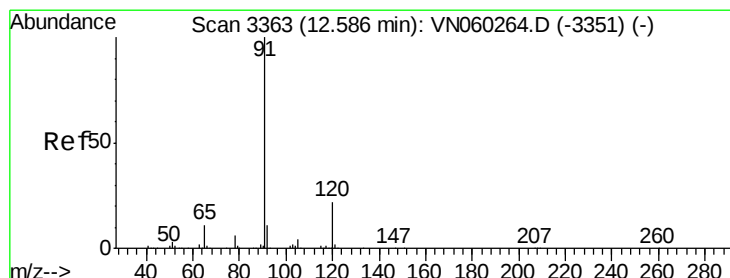
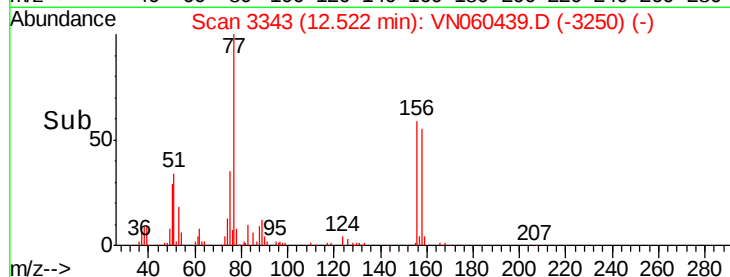
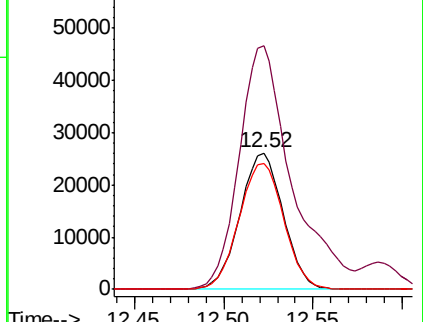
158 95.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.335 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060439.D

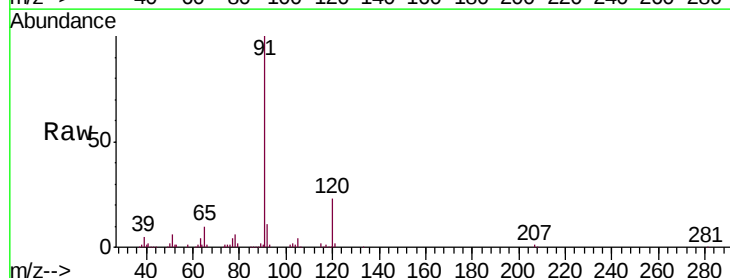
Acq: 11 Mar 2020 11:02

Tgt Ion: 91 Resp: 208026

Ion Ratio Lower Upper

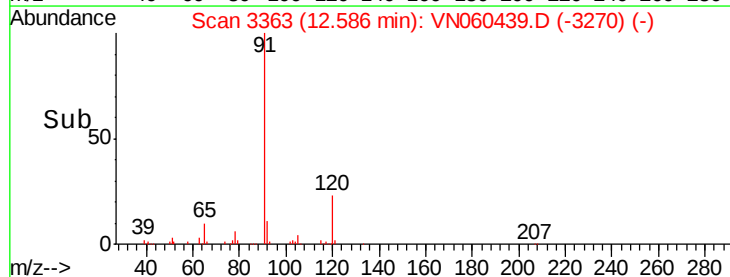
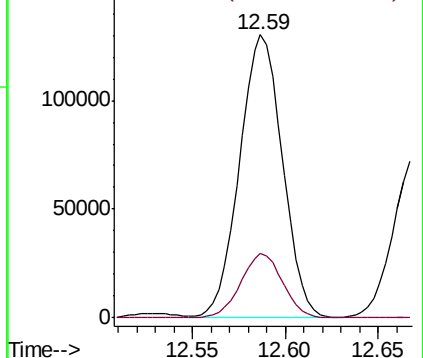
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.638 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

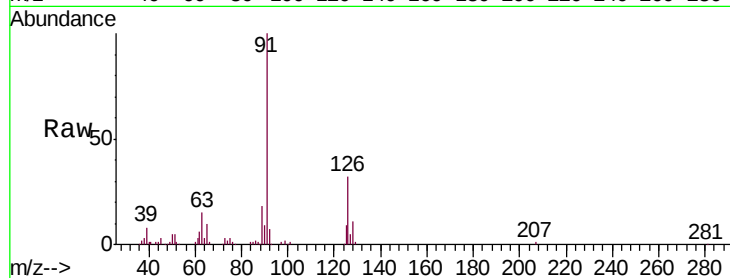
VN0311WBSD01

Tgt Ion: 91 Resp: 124423

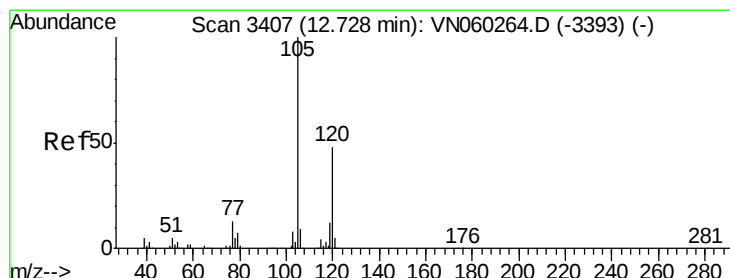
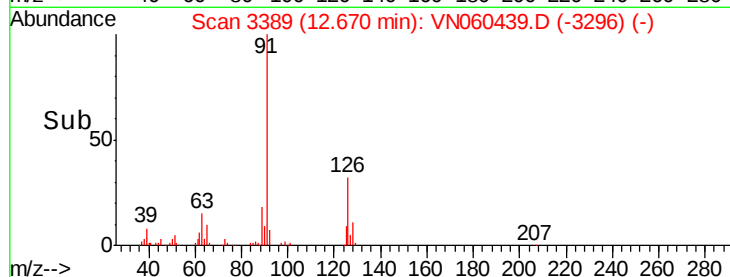
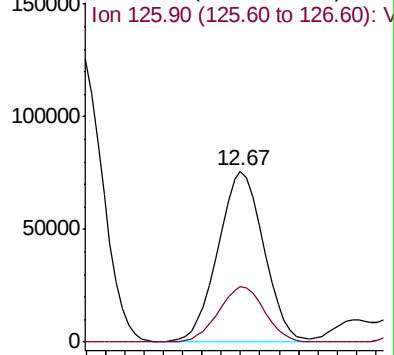
Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060439.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.395 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060439.D

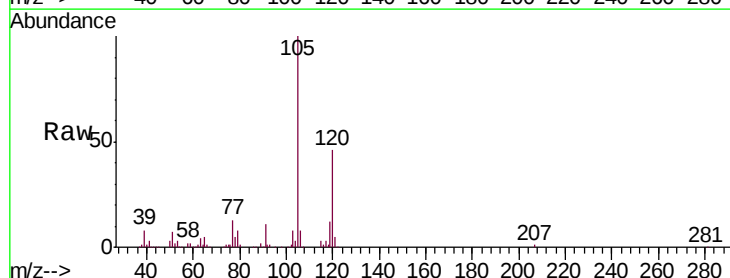
Acq: 11 Mar 2020 11:02

Tgt Ion: 105 Resp: 149944

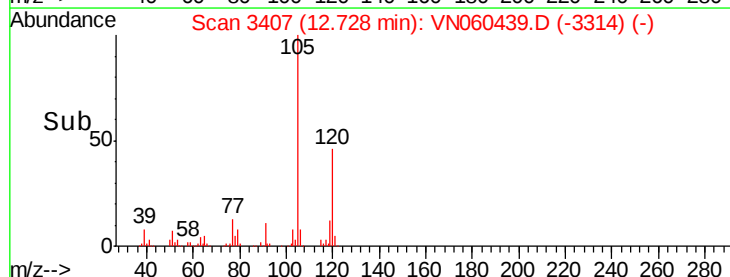
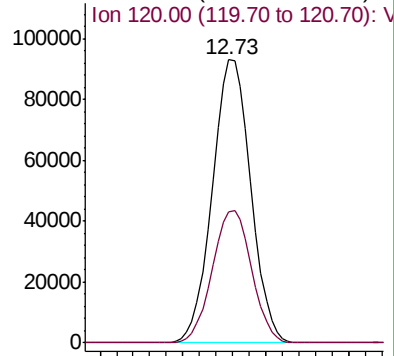
Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060439.D (-3393) (-)

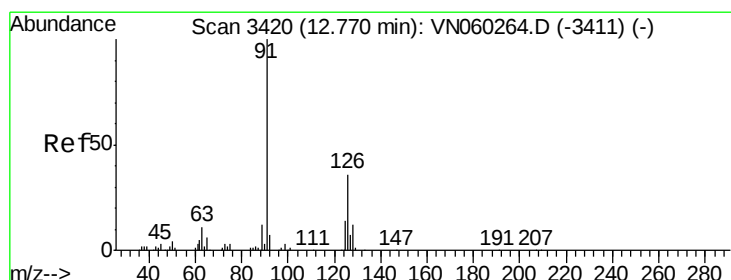
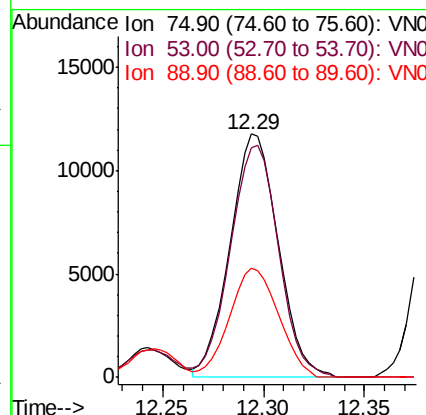
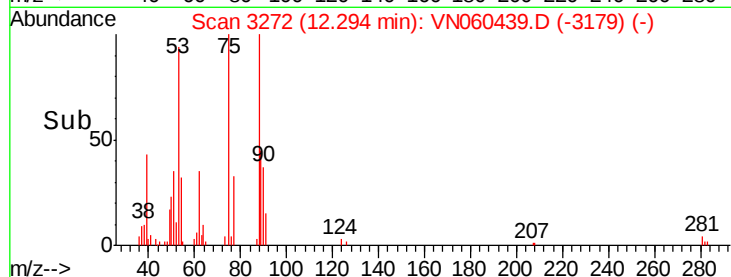
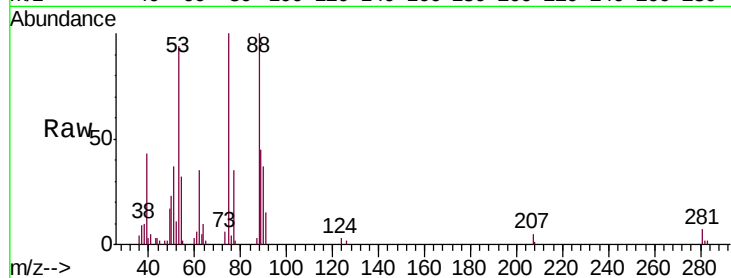




#81
trans-1,4-Dichloro-2-butene
Concen: 17.910 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

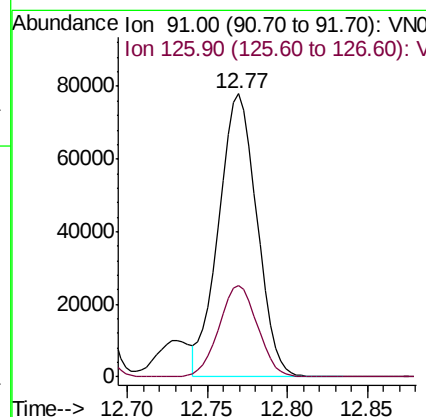
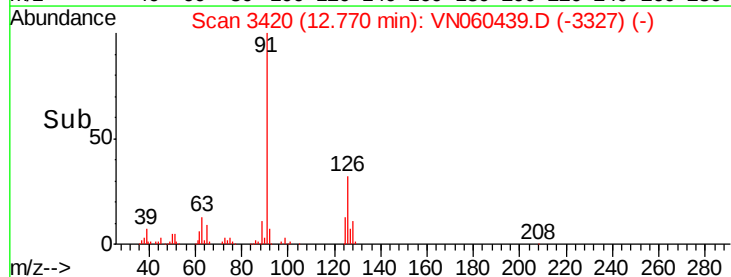
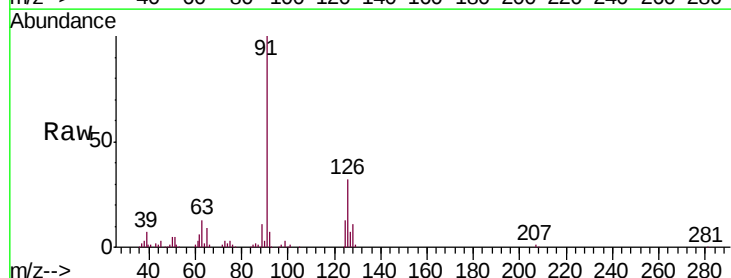
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

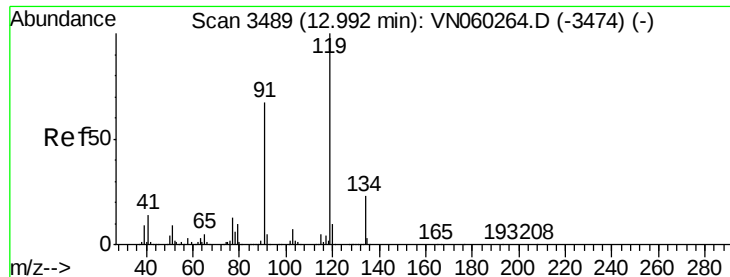
Tgt Ion: 75 Resp: 19662
Ion Ratio Lower Upper
75 100
53 95.5 73.8 110.6
89 45.8 57.1 85.7#



#82
4-Chlorotoluene
Concen: 17.288 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion: 91 Resp: 128491
Ion Ratio Lower Upper
91 100
126 32.3 16.7 50.1

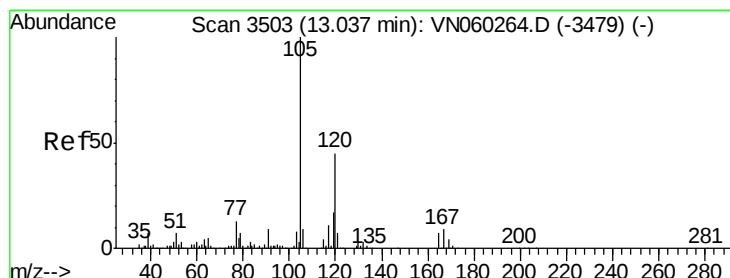
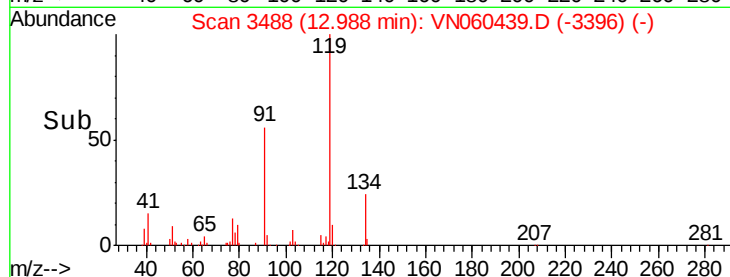
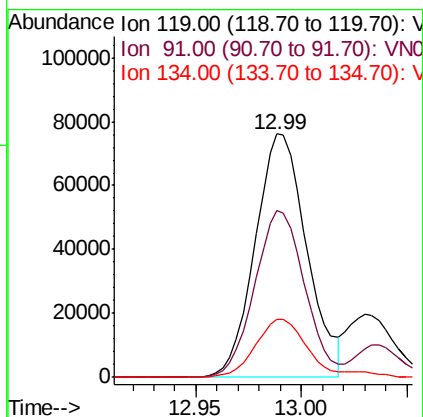
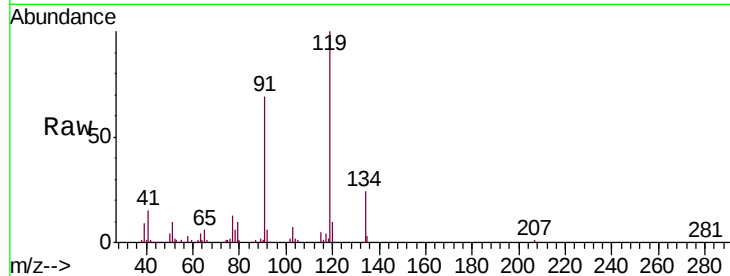




#83
tert-Butylbenzene
Concen: 17.357 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

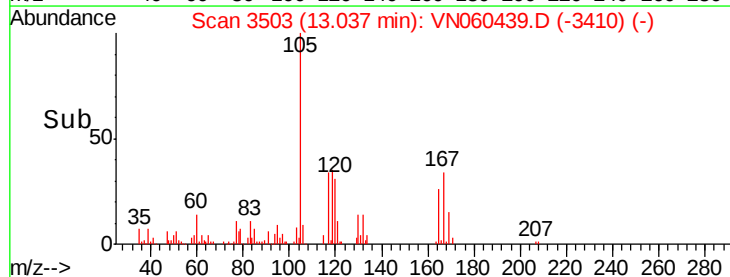
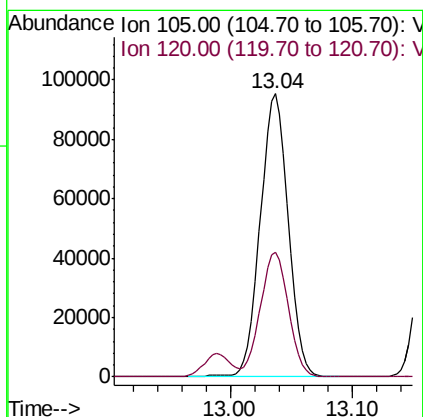
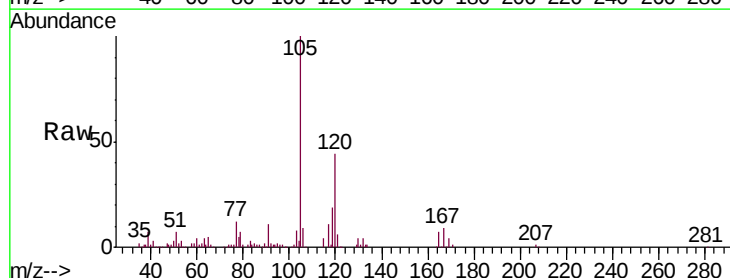
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

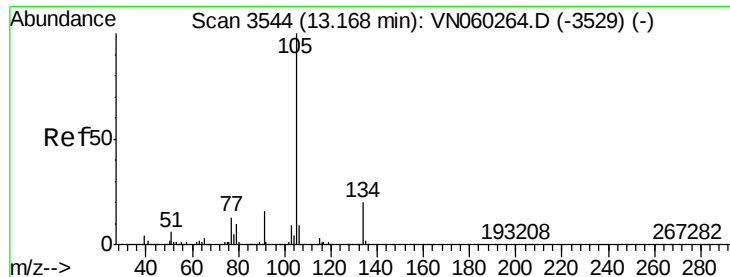
Tgt Ion:119 Resp: 129535
Ion Ratio Lower Upper
119 100
91 66.3 33.1 99.2
134 24.9 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 17.422 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion:105 Resp: 151578
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.9

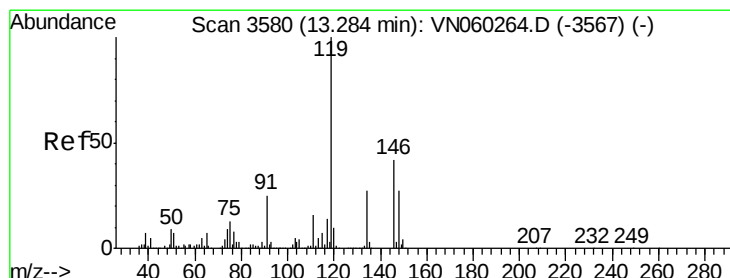
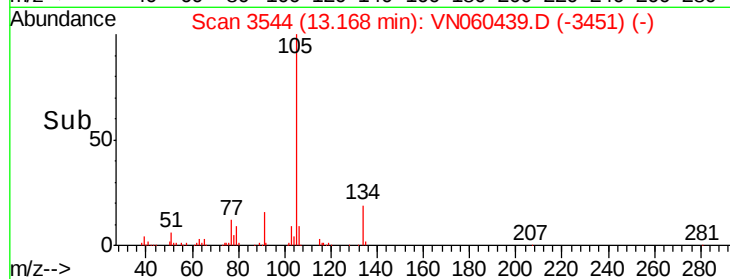
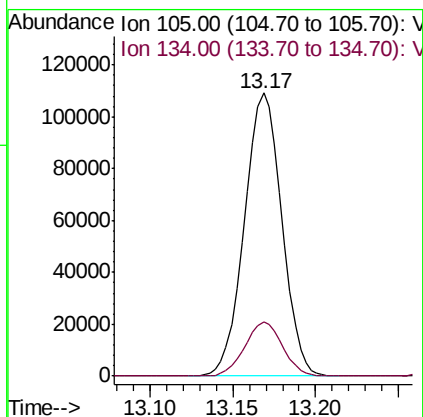
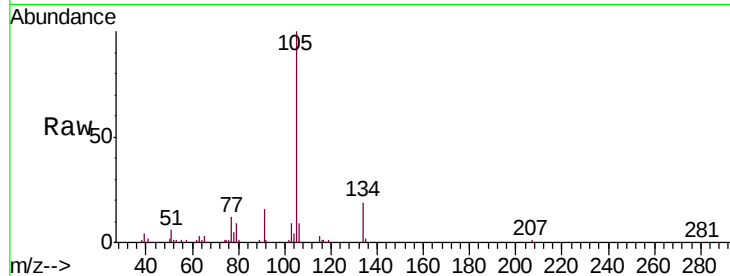




#85
 sec-Butylbenzene
 Concen: 17.100 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

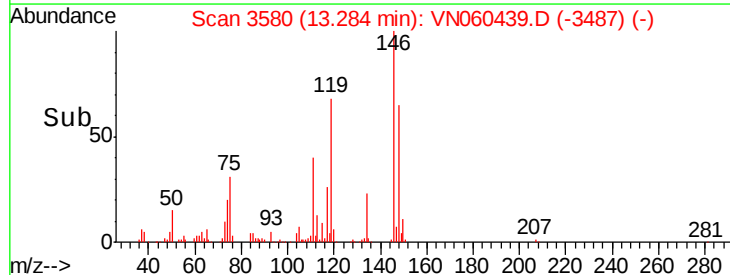
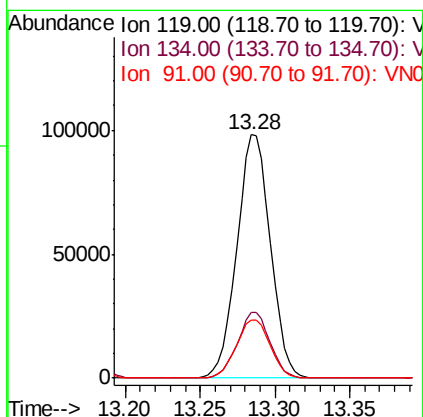
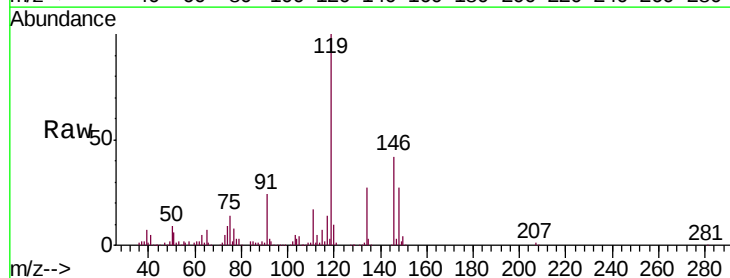
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion:105 Resp: 170899
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.513 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion:119 Resp: 152740
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 24.4 12.2 36.6

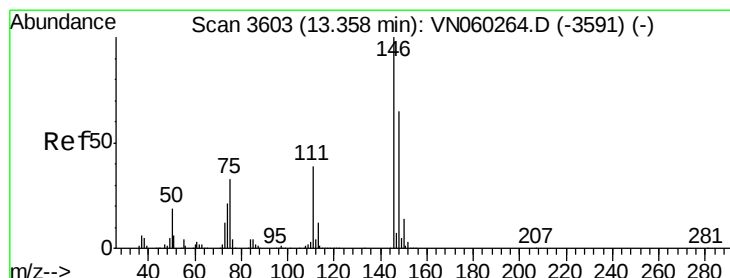
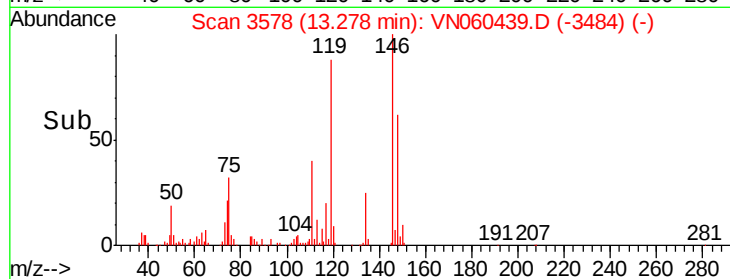
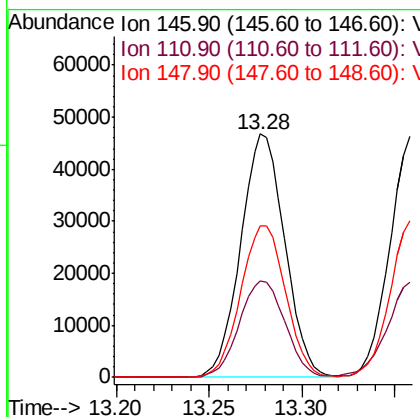
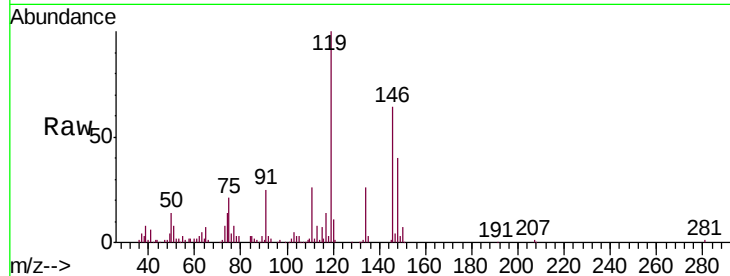




#87
 1,3-Dichlorobenzene
 Concen: 17.761 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

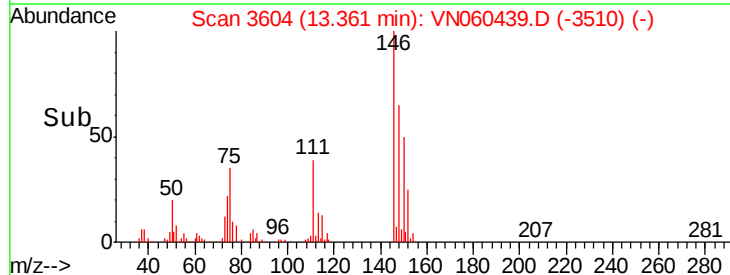
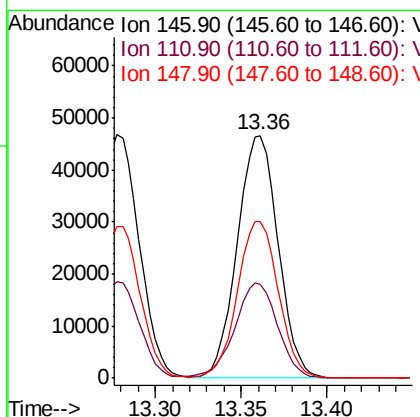
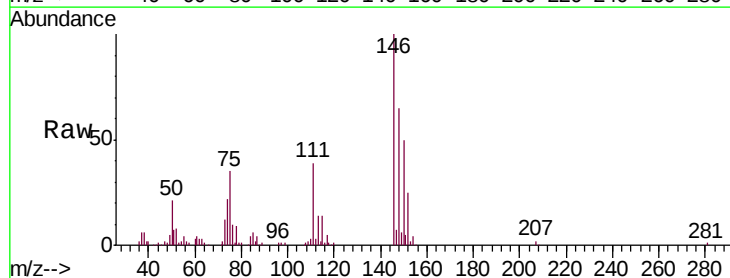
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

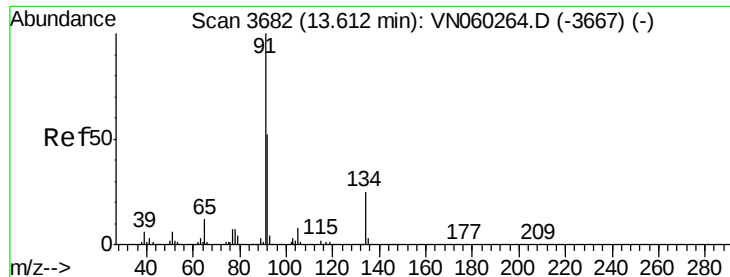
Tgt Ion:146 Resp: 77119
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 17.809 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion:146 Resp: 77312
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.8 59.4
 148 64.6 32.3 96.9





#89

n-Butylbenzene

Concen: 15.936 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060439.D

Acq: 11 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBSD01

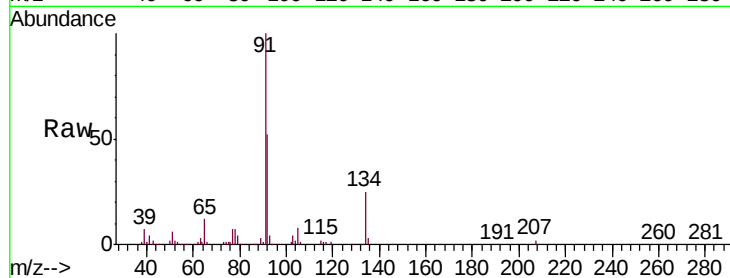
Tgt Ion: 91 Resp: 135313

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

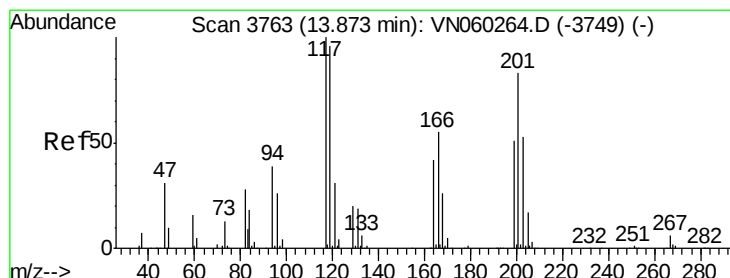
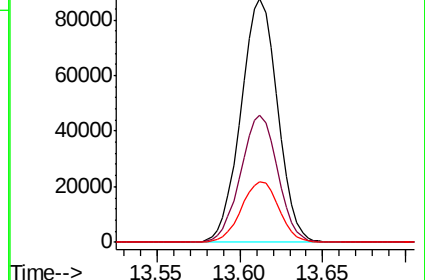
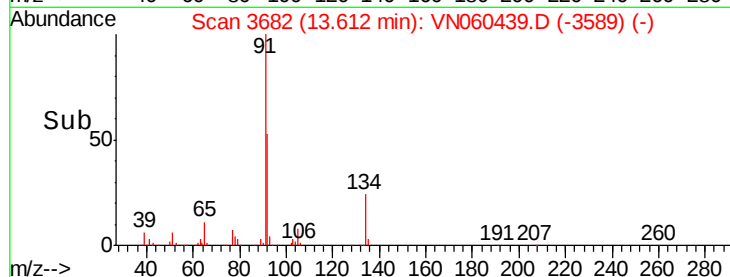
134 25.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060439.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN060439.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN060439.D (-3682) (-)



#90

Hexachloroethane

Concen: 15.450 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060439.D

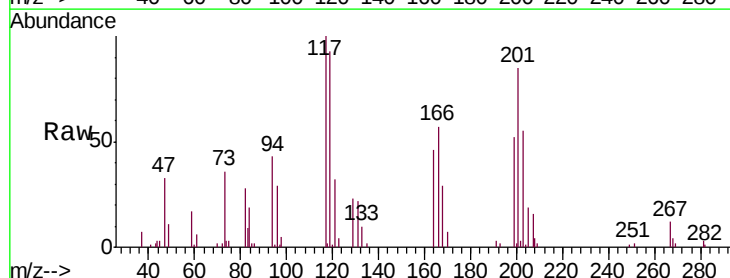
Acq: 11 Mar 2020 11:02

Tgt Ion: 117 Resp: 20686

Ion Ratio Lower Upper

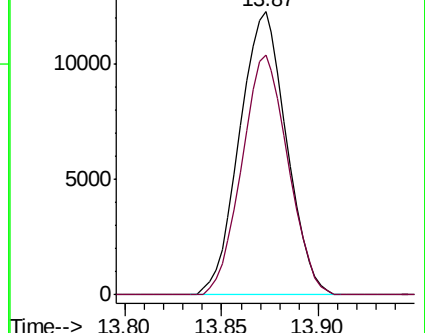
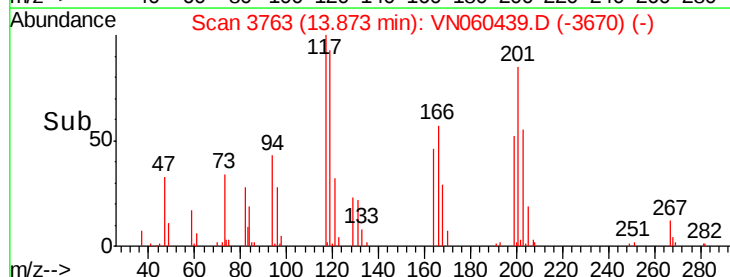
117 100

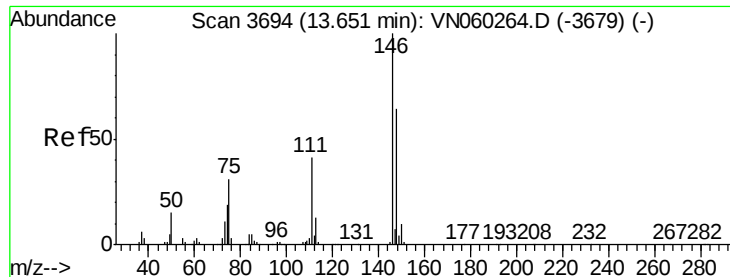
201 83.4 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060439.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN060439.D (-3763) (-)

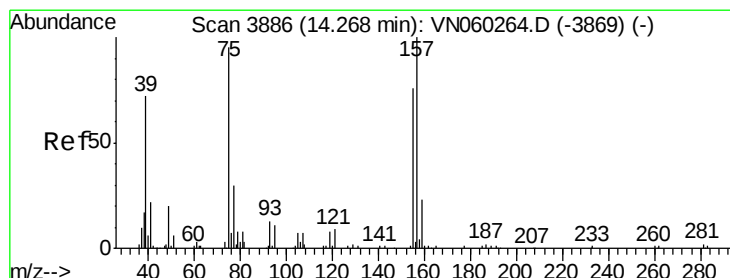
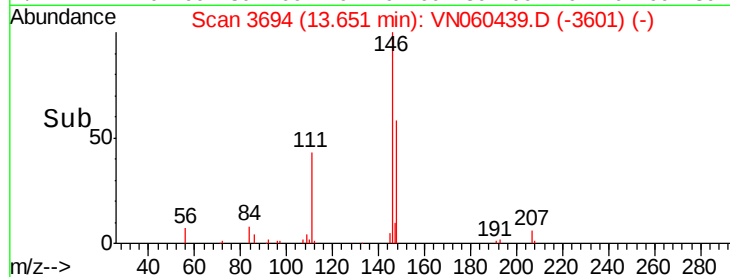
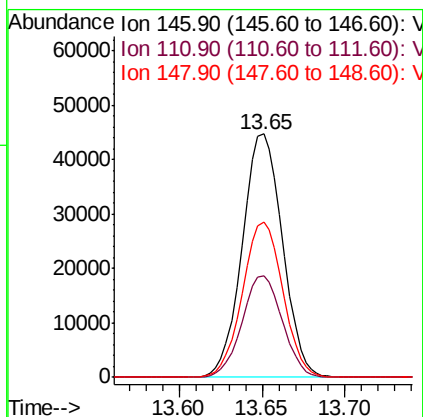
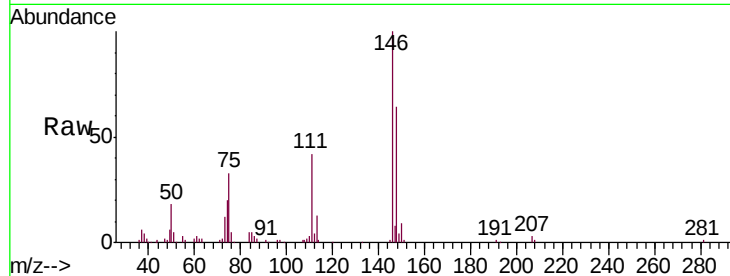




#91
 1,2-Dichlorobenzene
 Concen: 17.153 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

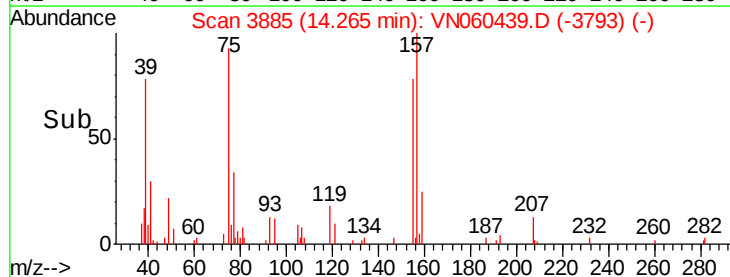
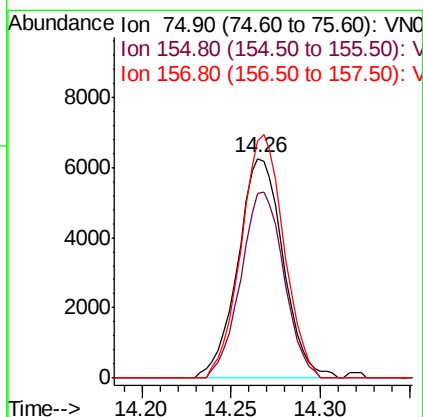
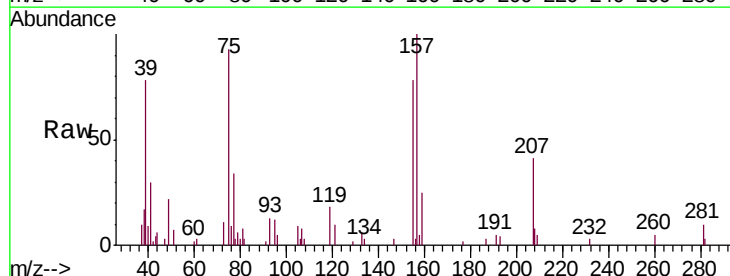
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.2	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.569 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.4	121.2
157	104.5	52.5	157.5

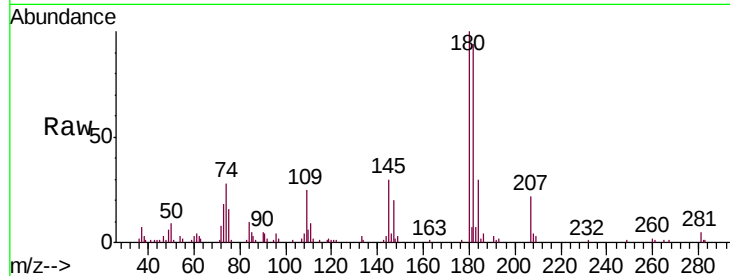




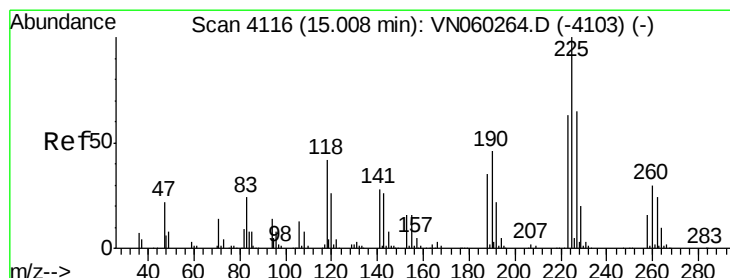
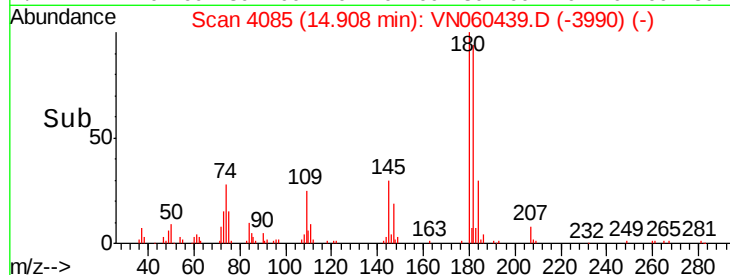
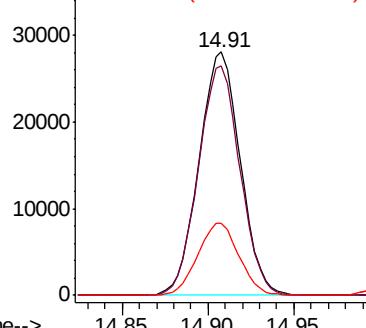
#93
 1,2,4-Trichlorobenzene
 Concen: 16.758 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBSD01

Tgt Ion:180 Resp: 46660
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 29.6 15.4 46.1

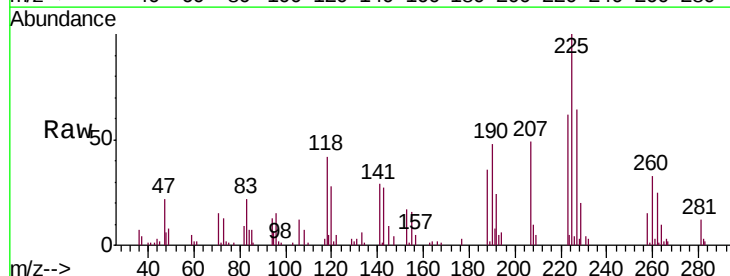


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

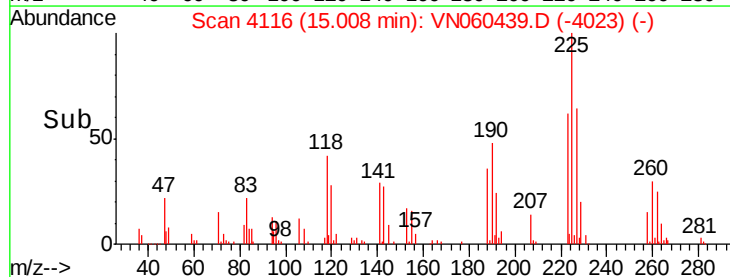
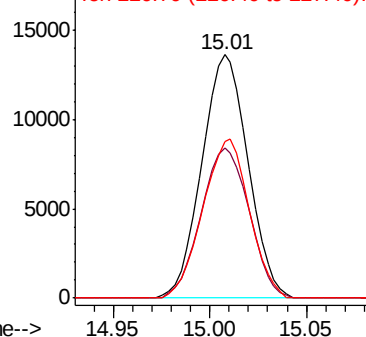


#94
 Hexachlorobutadiene
 Concen: 17.239 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060439.D
 Acq: 11 Mar 2020 11:02

Tgt Ion:225 Resp: 22623
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.3 93.9
 227 65.6 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

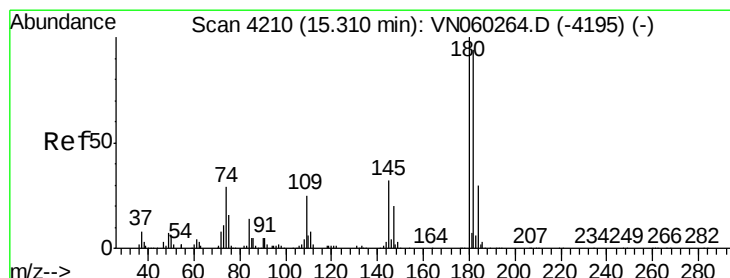
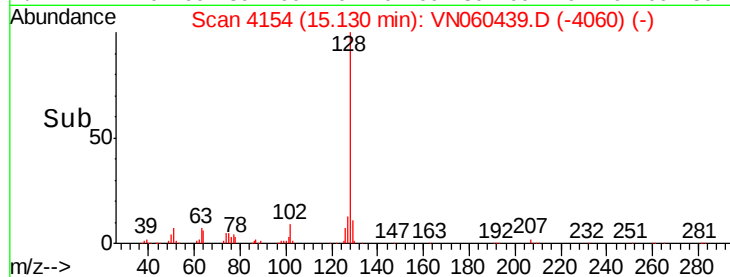
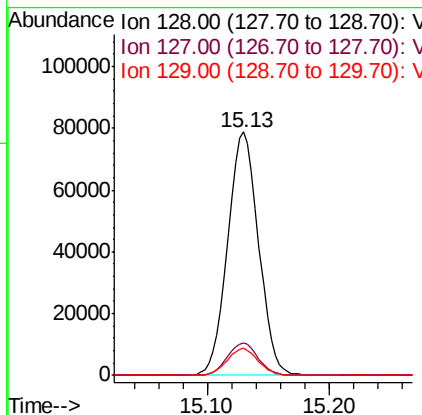
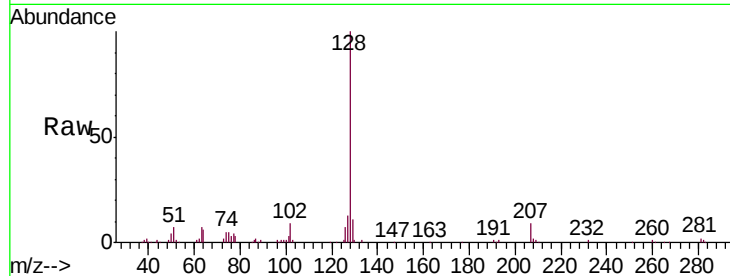




#95
Naphthalene
Concen: 16.689 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 16.855 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060439.D
Acq: 11 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	142.0
145	33.2	16.2	48.5

