

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060085.D
 Acq On : 13 Feb 2020 11:24
 Operator : JC/MD
 Sample : VN0213WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:54:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123857	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.56	113	99402	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.08	98	386841	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	138699	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	38418	18.577	ug/l 99
3) Chloromethane	2.04	50	45807	18.612	ug/l 100
4) Vinyl Chloride	2.17	62	52024	18.545	ug/l 98
5) Bromomethane	2.55	94	31603	18.373	ug/l 97
6) Chloroethane	2.69	64	25019	17.633	ug/l 99
7) Trichlorofluoromethane	3.00	101	64813	17.920	ug/l 95
8) Diethyl Ether	3.39	74	22440	18.639	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36900	18.376	ug/l 99
10) Methyl Iodide	3.93	142	46747	18.950	ug/l 99
11) Tert butyl alcohol	4.73	59	36237	96.183	ug/l 99
12) 1,1-Dichloroethene	3.72	96	35876	18.340	ug/l 97
13) Acrolein	3.58	56	23904	64.190	ug/l 96
14) Allyl chloride	4.30	41	52974	18.399	ug/l 96
15) Acrylonitrile	4.95	53	87819	95.448	ug/l 100
16) Acetone	3.78	43	93102	84.779	ug/l 98
17) Carbon Disulfide	4.03	76	104569	17.735	ug/l 98
18) Methyl Acetate	4.29	43	38632	18.727	ug/l 98
19) Methyl tert-butyl Ether	5.01	73	120526	18.321	ug/l 100
20) Methylene Chloride	4.52	84	39352	17.961	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	38969	18.275	ug/l 94
22) Diisopropyl ether	5.91	45	114695	18.177	ug/l 94
23) Vinyl Acetate	5.86	43	485321	91.589	ug/l 100
24) 1,1-Dichloroethane	5.82	63	69378	18.150	ug/l 100
25) 2-Butanone	6.80	43	124841	90.389	ug/l 99
26) 2,2-Dichloropropane	6.79	77	64894	17.874	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	44689	17.908	ug/l 99
28) Bromochloromethane	7.17	49	29226	19.448	ug/l 98
29) Tetrahydrofuran	7.18	42	79455	93.774	ug/l 99
30) Chloroform	7.35	83	72591	18.129	ug/l 96
31) Cyclohexane	7.63	56	66207	18.593	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	66908	18.285	ug/l 100
36) 1,1-Dichloropropene	7.77	75	54686	18.134	ug/l 99
37) Ethyl Acetate	6.90	43	51212	18.790	ug/l 99
38) Carbon Tetrachloride	7.75	117	58792	17.951	ug/l 96

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Quant Time: Feb 14 04:54:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	67668	18.076	ug/l	98
40) Benzene	8.02	78	161773	18.084	ug/l	100
41) Methacrylonitrile	7.18	41	73449	64.260	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57822	18.442	ug/l	100
43) Isopropyl Acetate	8.14	43	86383	18.541	ug/l #	92
44) Trichloroethene	8.82	130	43954	17.745	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41200	18.603	ug/l	100
46) Dibromomethane	9.19	93	28315	18.092	ug/l	98
47) Bromodichloromethane	9.39	83	58276	18.315	ug/l	99
48) Methyl methacrylate	9.18	41	37116	17.756	ug/l	98
49) 1,4-Dioxane	9.18	88	14704	411.694	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	248764	92.246	ug/l	100
52) Toluene	10.14	92	103324	18.011	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64733	18.023	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68452	18.099	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41097	18.363	ug/l	99
56) Ethyl methacrylate	10.42	69	58226	18.392	ug/l	99
57) 1,3-Dichloropropane	10.70	76	67659	18.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	137844	93.459	ug/l	100
59) 2-Hexanone	10.74	43	187611	90.061	ug/l	100
60) Dibromochloromethane	10.89	129	45265	17.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42200	17.988	ug/l	97
64) Tetrachloroethene	10.62	164	40784	17.785	ug/l	96
65) Chlorobenzene	11.43	112	110972	18.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42545	18.300	ug/l	99
67) Ethyl Benzene	11.50	91	200121	18.055	ug/l	99
68) m/p-Xylenes	11.62	106	150060	36.071	ug/l	100
69) o-Xylene	11.94	106	72815	18.179	ug/l	100
70) Styrene	11.96	104	114590	17.741	ug/l	99
71) Bromoform	12.12	173	33612	17.975	ug/l #	98
73) Isopropylbenzene	12.25	105	197047	18.016	ug/l	100
74) N-amyl acetate	12.07	43	72982	18.505	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59471	18.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78277	27.934	ug/l #	100
77) Bromobenzene	12.52	156	48755	17.962	ug/l	99
78) n-propylbenzene	12.59	91	222909	17.888	ug/l	100
79) 2-Chlorotoluene	12.67	91	130888	17.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165570	18.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20344	17.776	ug/l	99
82) 4-Chlorotoluene	12.77	91	133772	17.802	ug/l	99
83) tert-Butylbenzene	12.99	119	140063	17.411	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	164160	18.287	ug/l	99
85) sec-Butylbenzene	13.17	105	189040	17.743	ug/l	100
86) p-Isopropyltoluene	13.29	119	171878	17.806	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	86483	18.000	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85216	17.739	ug/l	98
89) n-Butylbenzene	13.61	91	148473	17.487	ug/l	99
90) Hexachloroethane	13.87	117	31349	17.384	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	83822	17.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12289	17.863	ug/l	94

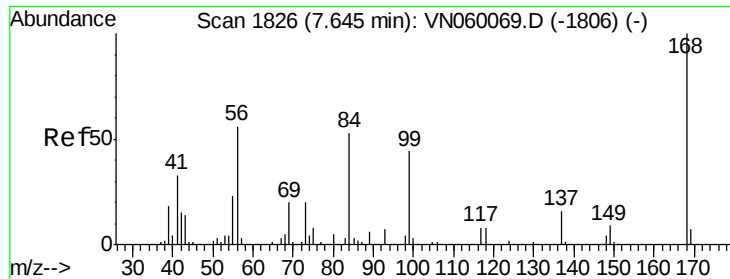
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49710	17.992	ug/l	99
94) Hexachlorobutadiene	15.01	225	27598	17.063	ug/l	99
95) Naphthalene	15.13	128	133184	17.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48672	17.690	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

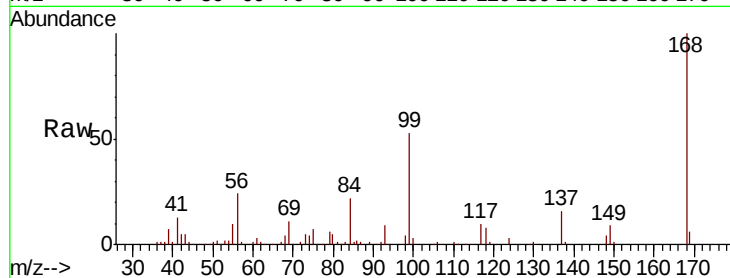
ClientSampleId :

Tot Ion:168 Resp: 206900

Ion Ratio Lower Upper

168 100

99 53.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

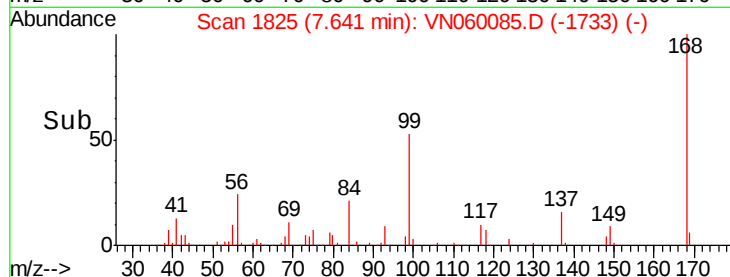
60000

40000

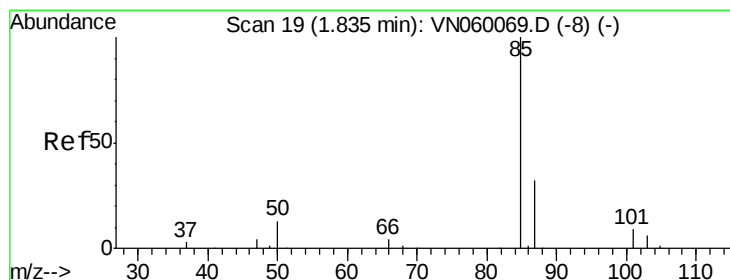
20000

0

7.50 7.60 7.70 7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 18.577 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060085.D

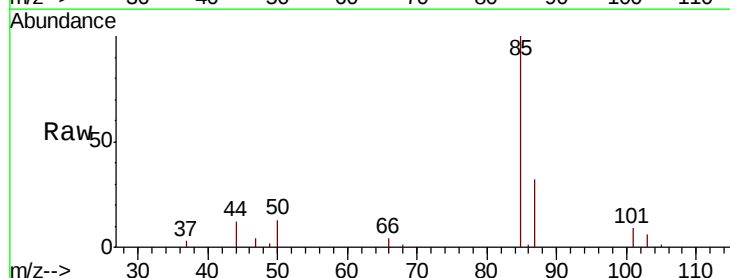
Acq: 13 Feb 2020 11:24

Tgt Ion: 85 Resp: 38418

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

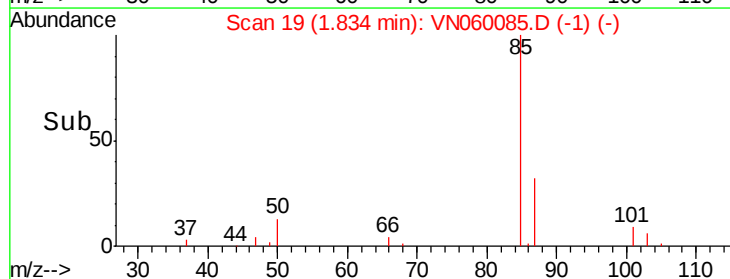
15000

10000

5000

0

1.80 1.85 1.90



Time-->



#3

Chloromethane

Concen: 18.612 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

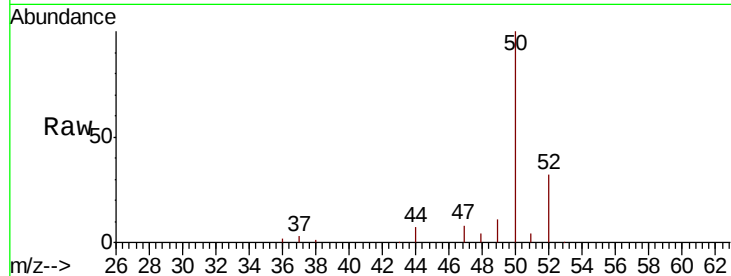
ClientSampleId :

Tot Ion: 50 Resp: 45807

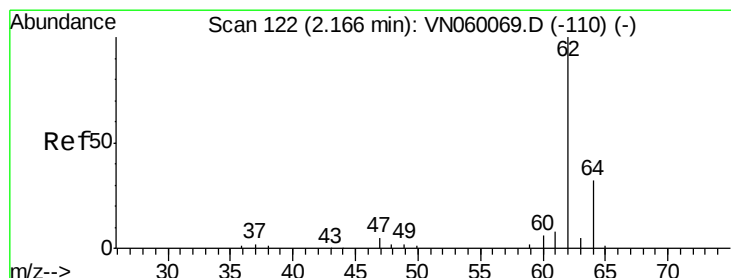
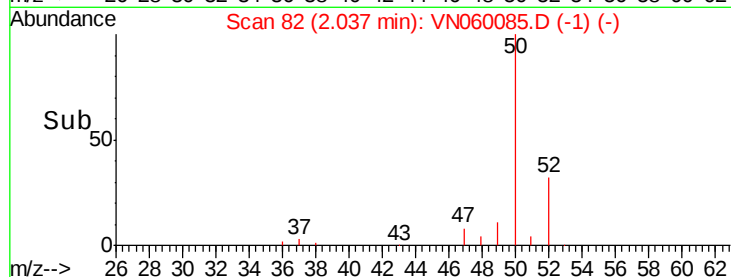
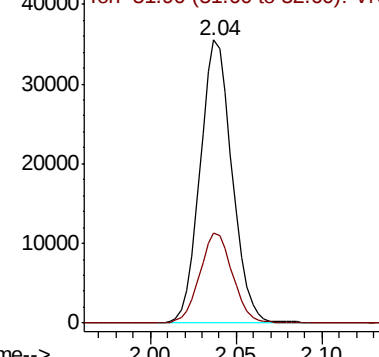
Ion Ratio Lower Upper

50 100

52 32.0 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: 18.545 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060085.D

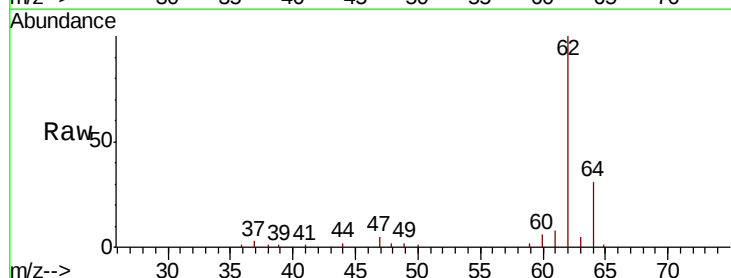
Acq: 13 Feb 2020 11:24

Tgt Ion: 62 Resp: 52024

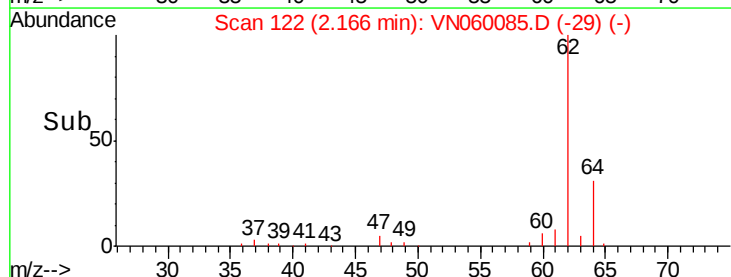
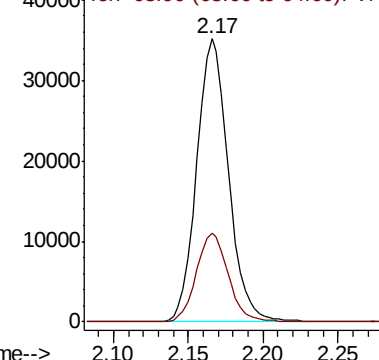
Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO

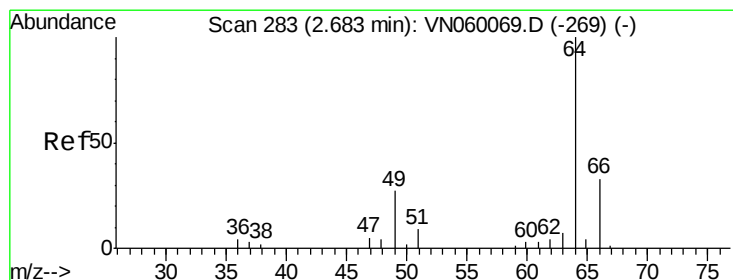
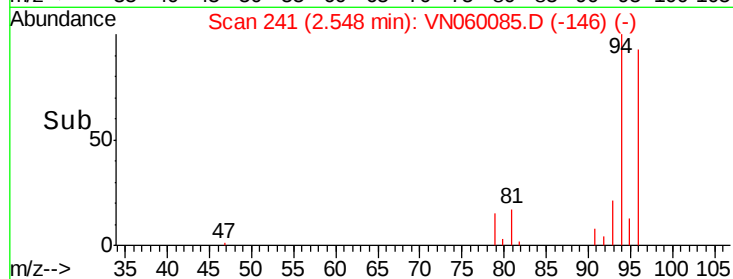
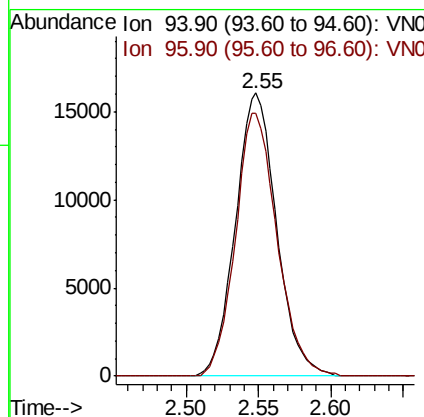
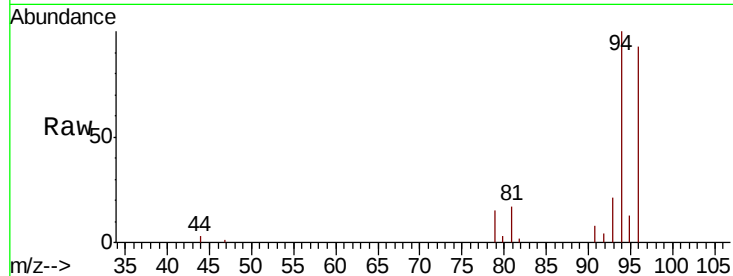




#5
Bromomethane
Concen: 18.373 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

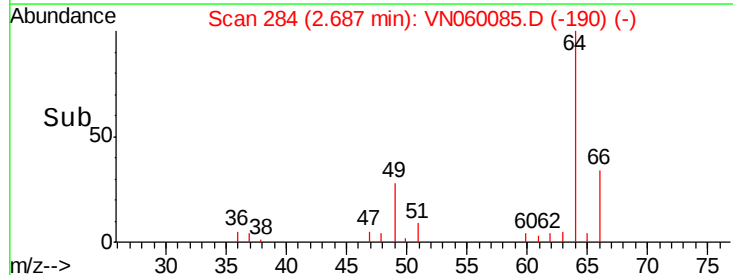
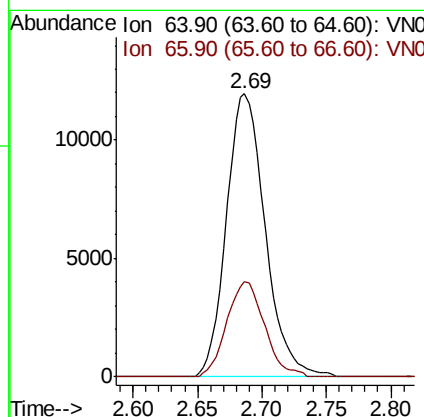
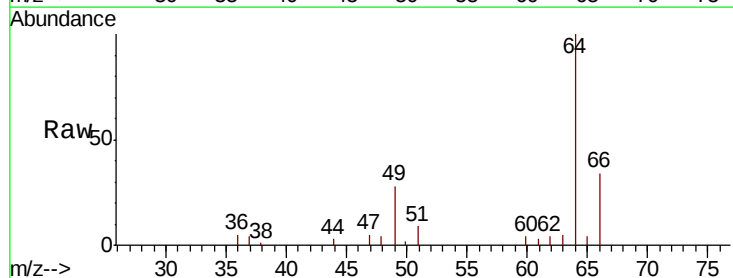
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 31603
Ion Ratio Lower Upper
94 100
96 92.9 76.7 115.1



#6
Chloroethane
Concen: 17.633 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 64 Resp: 25019
Ion Ratio Lower Upper
64 100
66 33.6 26.6 40.0



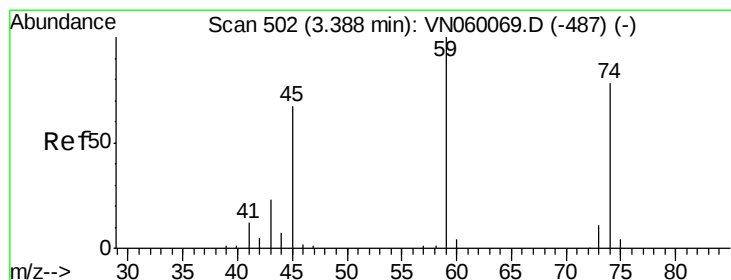
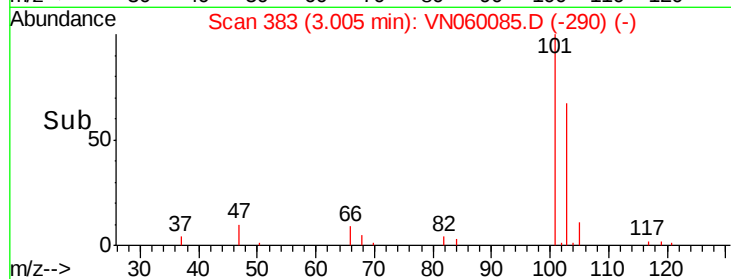
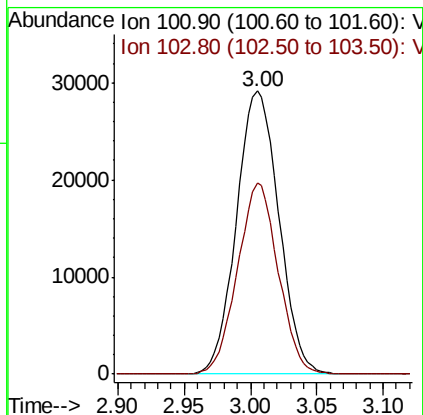
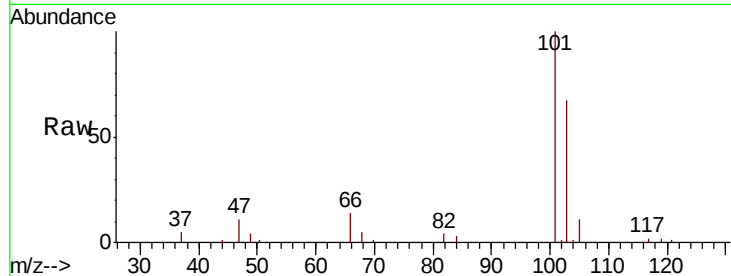


#7

Trichlorofluoromethane
 Concen: 17.920 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :

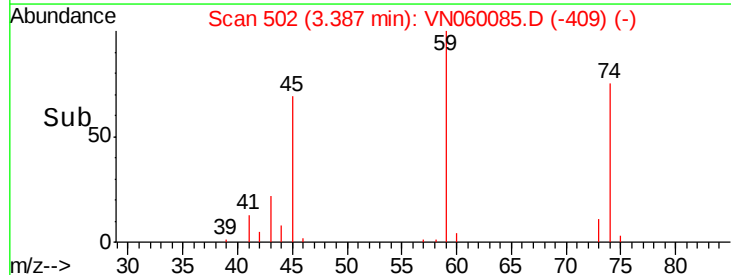
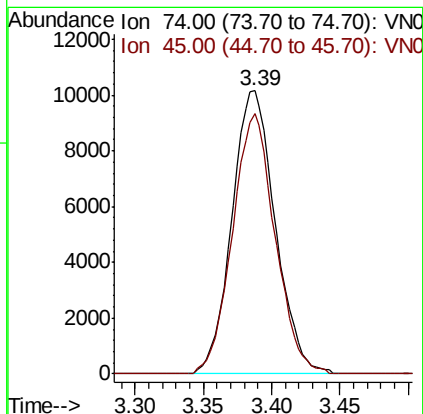
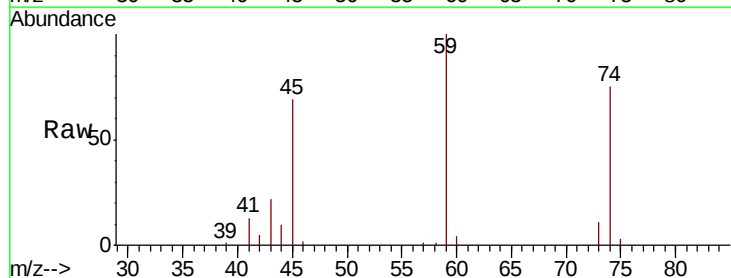
Tot Ion:101 Resp: 64813
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.0 76.6

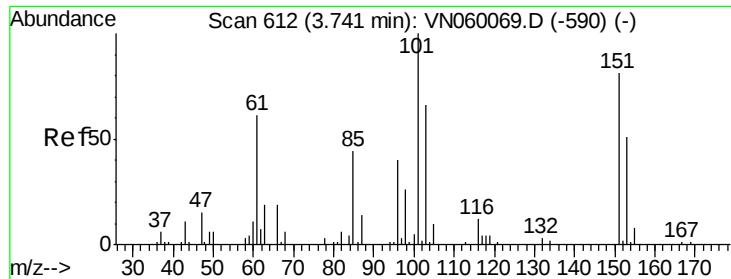


#8

Diethyl Ether
 Concen: 18.639 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 74 Resp: 22440
 Ion Ratio Lower Upper
 74 100
 45 90.1 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.376 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

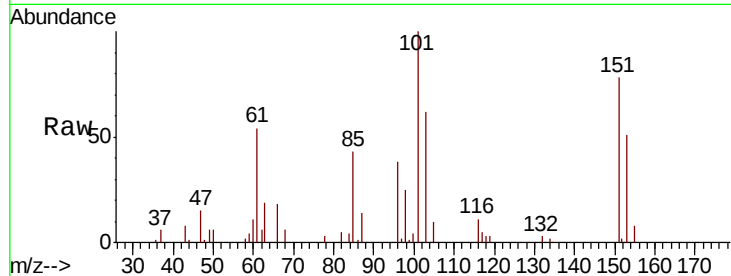
Tot Ion:101 Resp: 36900

Ion Ratio Lower Upper

101 100

85 44.5 35.1 52.7

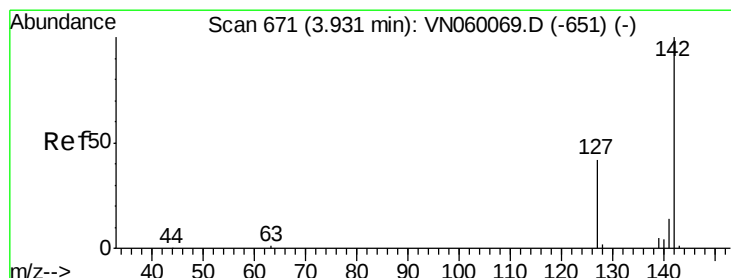
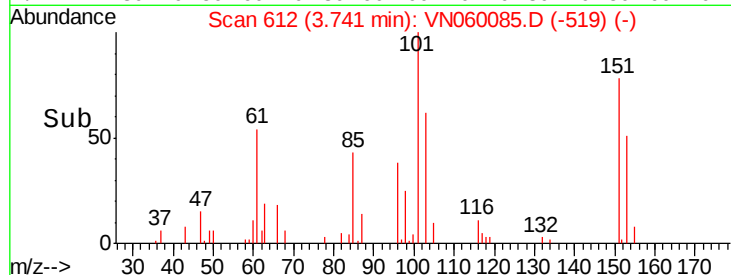
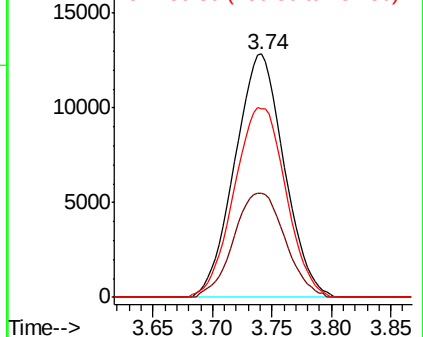
151 81.6 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.950 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

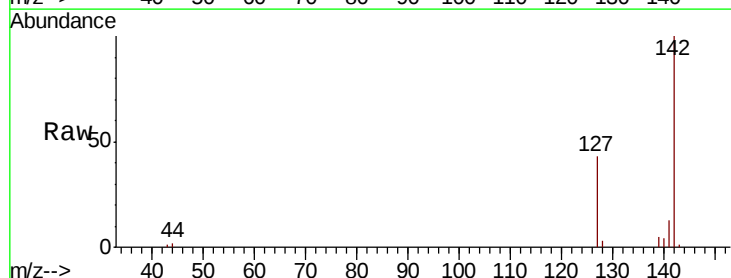
Tgt Ion:142 Resp: 46747

Ion Ratio Lower Upper

142 100

127 42.7 33.6 50.4

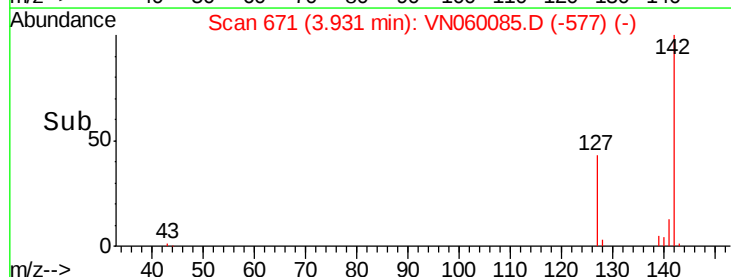
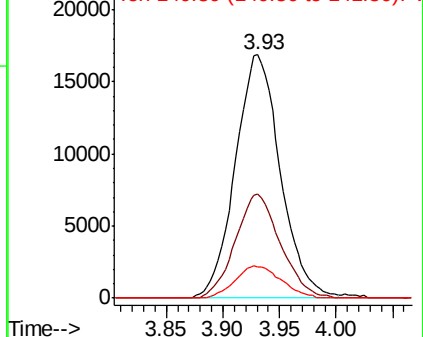
141 13.4 11.4 17.2

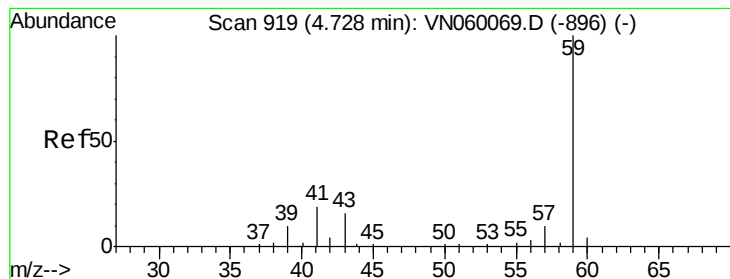


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



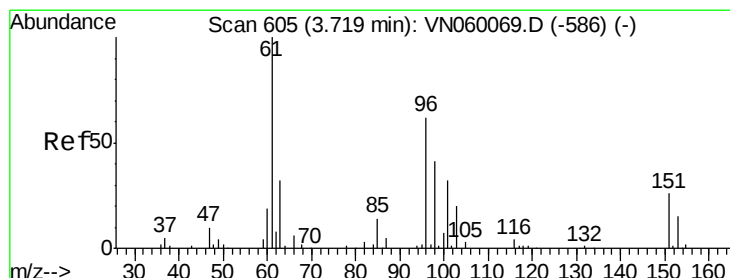
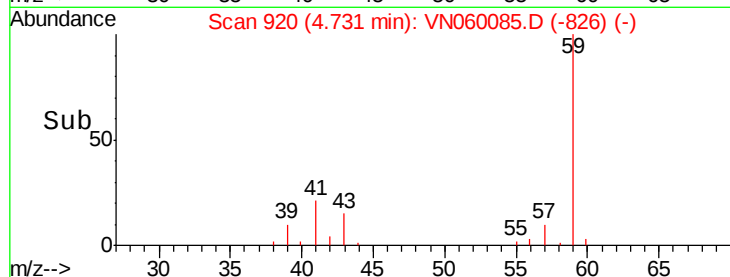
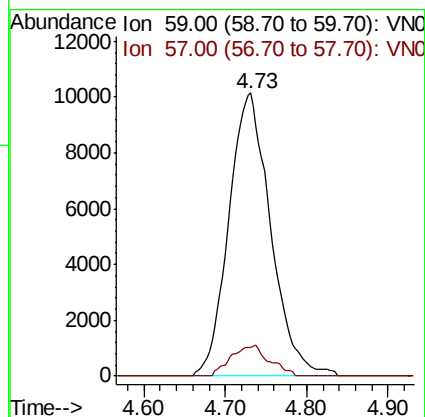
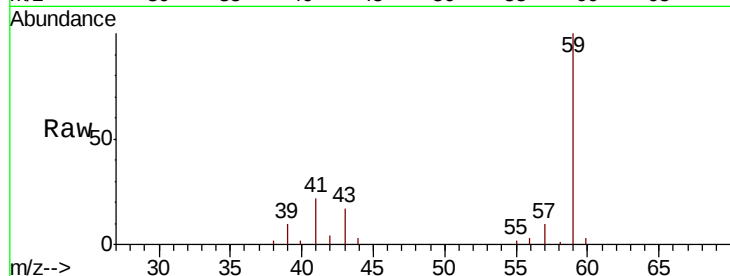


#11

Tert butyl alcohol
 Concen: 96.183 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :

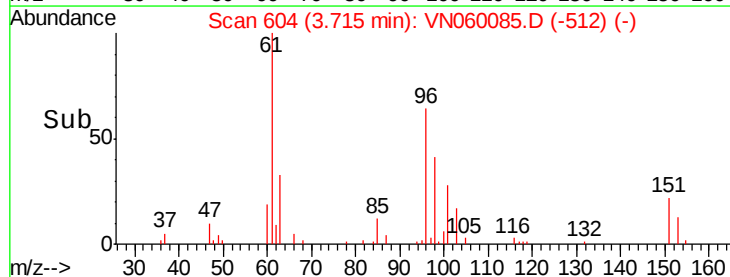
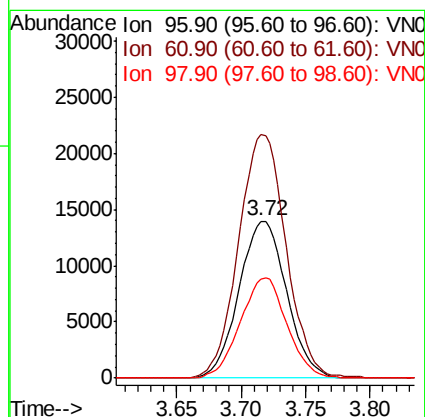
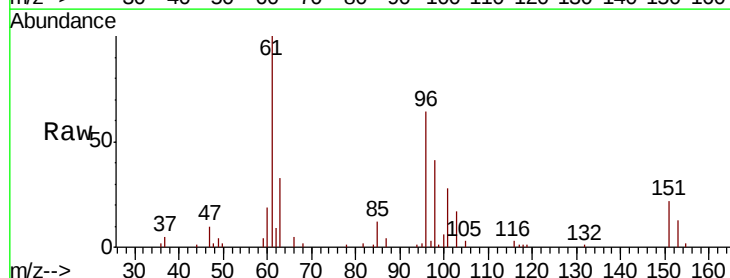
Tot Ion: 59 Resp: 36237
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

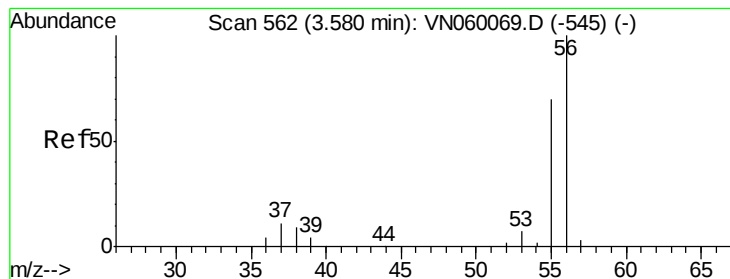


#12

1,1-Dichloroethene
 Concen: 18.340 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 96 Resp: 35876
 Ion Ratio Lower Upper
 96 100
 61 155.4 128.3 192.5
 98 63.2 52.2 78.4





#13

Acrolein

Concen: 64.190 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

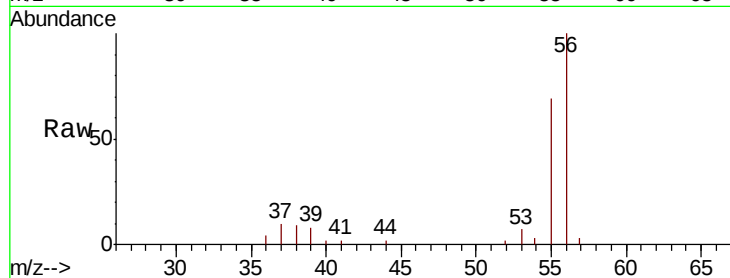
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23904

Ion Ratio Lower Upper

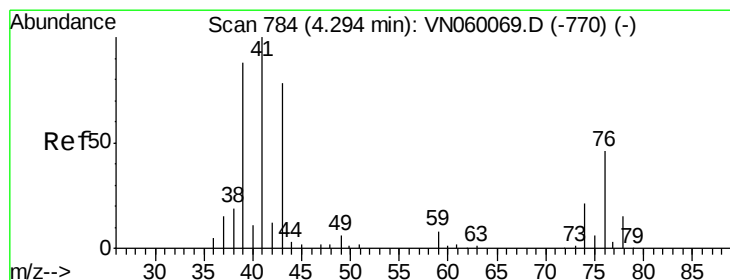
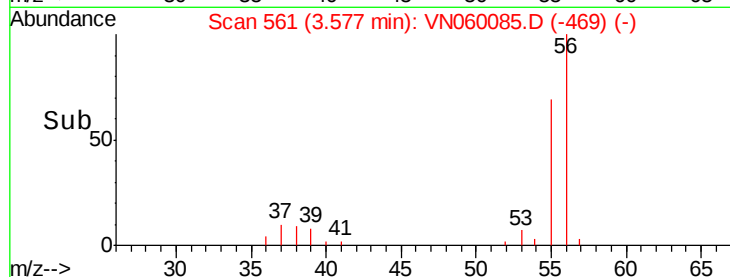
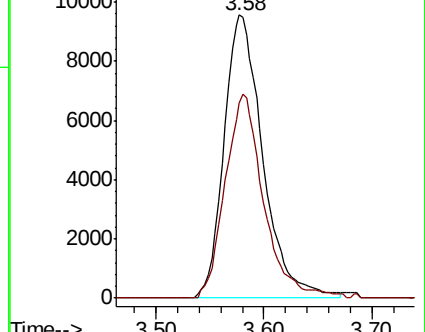
56 100

55 71.7 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 18.399 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

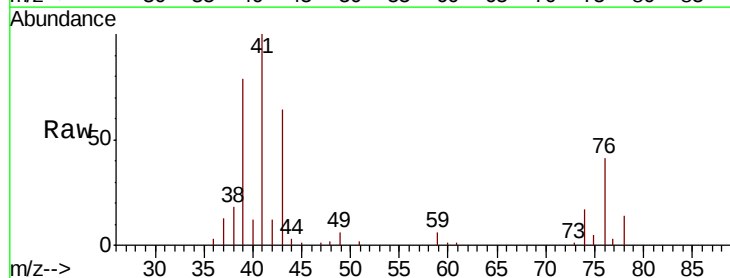
Tgt Ion: 41 Resp: 52974

Ion Ratio Lower Upper

41 100

39 79.9 67.8 101.8

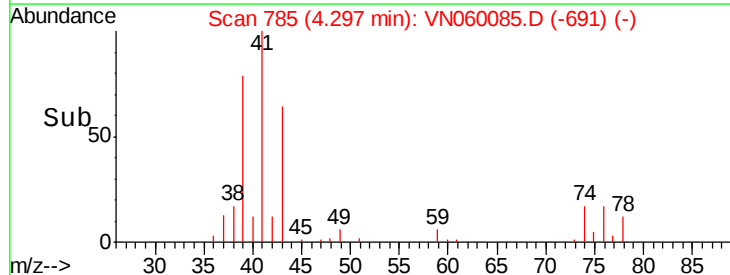
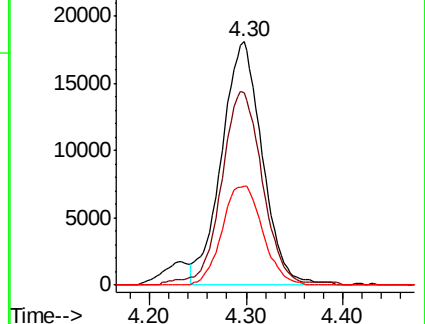
76 40.7 33.9 50.9

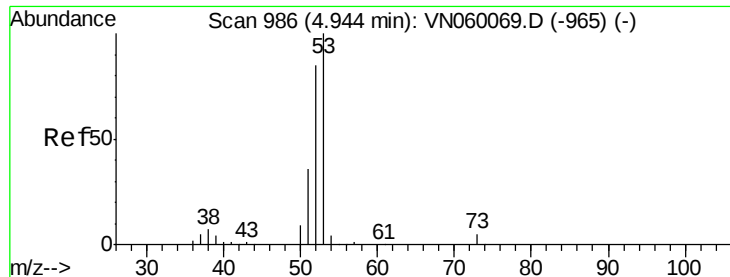


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 95.448 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

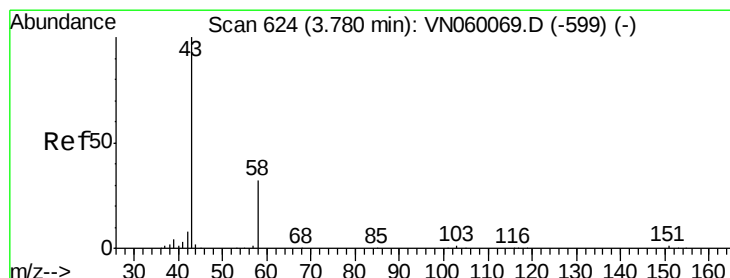
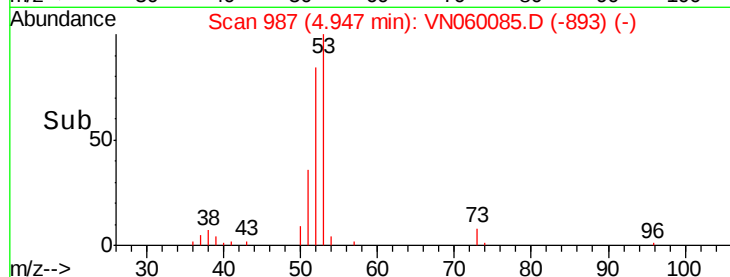
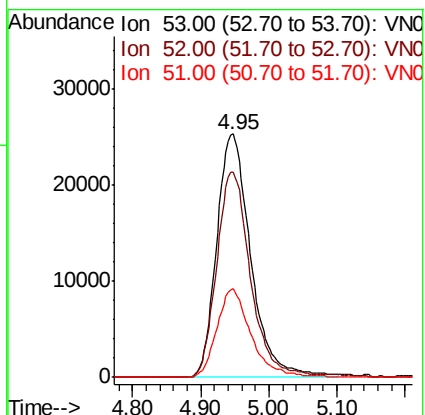
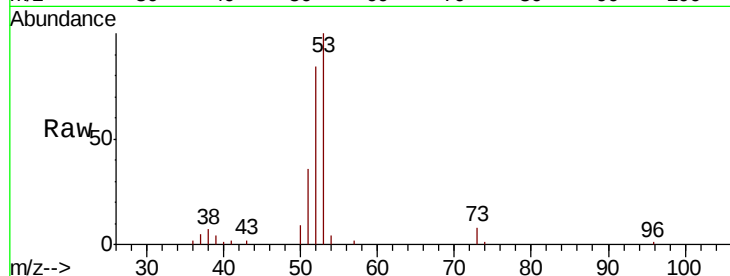
Tot Ion: 53 Resp: 87819

Ion Ratio Lower Upper

53 100

52 83.3 66.8 100.2

51 36.3 29.4 44.0



#16

Acetone

Concen: 84.779 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060085.D

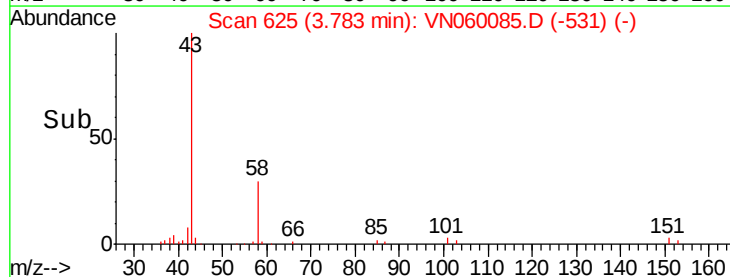
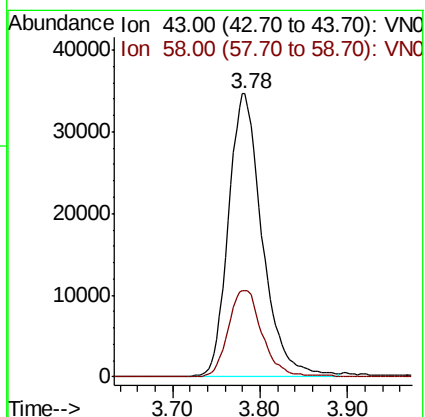
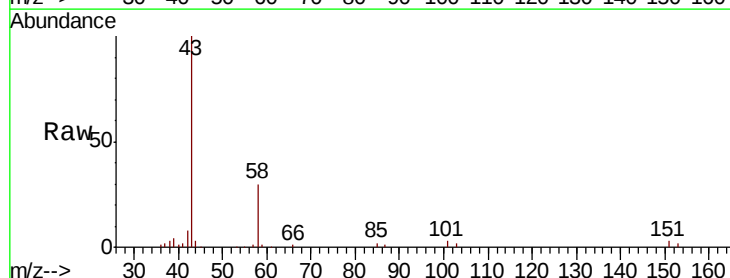
Acq: 13 Feb 2020 11:24

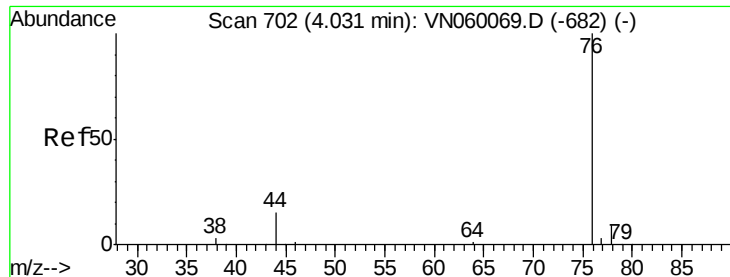
Tgt Ion: 43 Resp: 93102

Ion Ratio Lower Upper

43 100

58 30.5 25.2 37.8

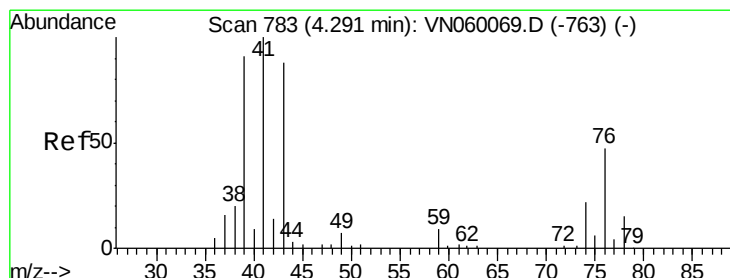
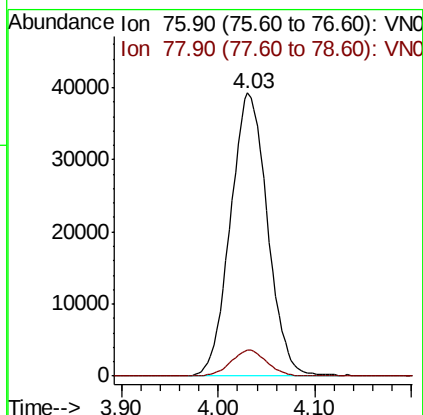
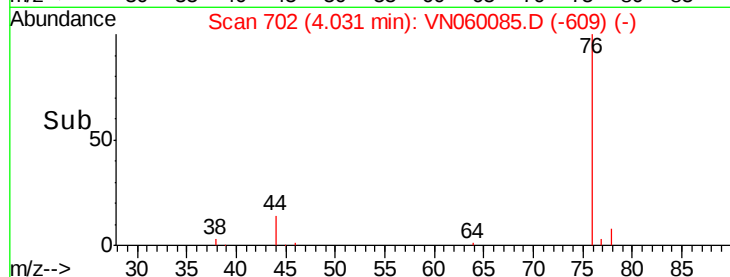
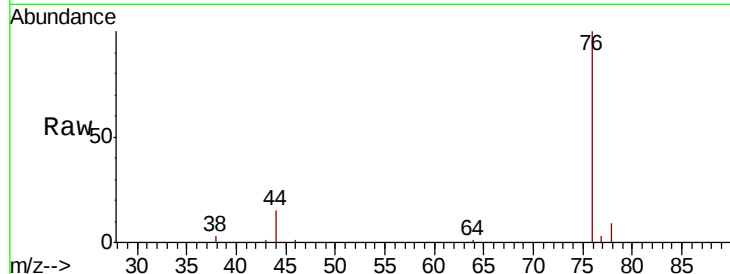




#17
Carbon Disulfide
Concen: 17.735 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

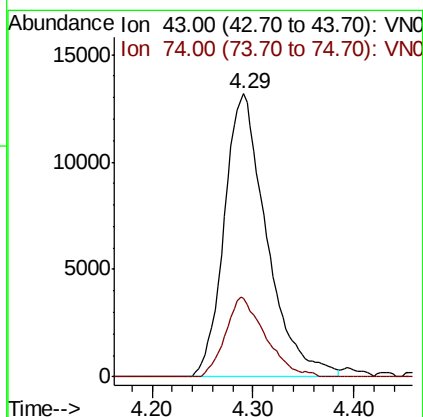
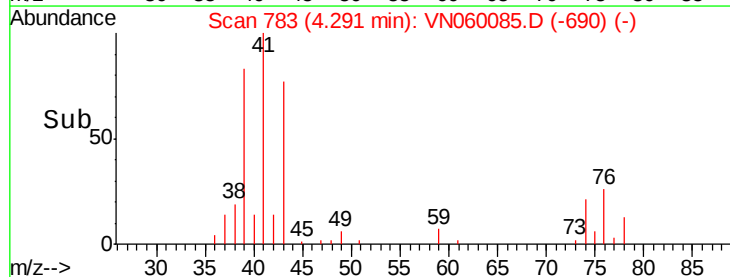
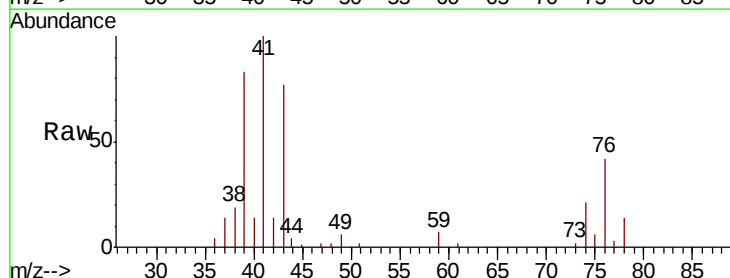
Instrument :
MSVOA_N
ClientSampleId :

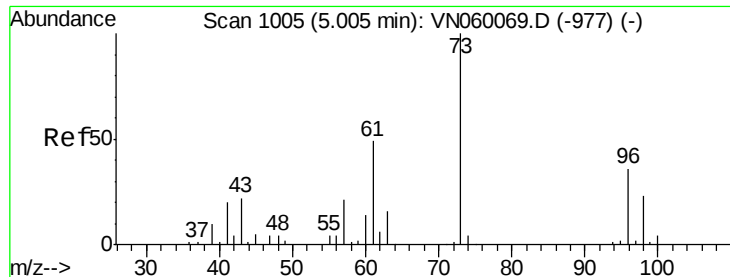
Tot Ion: 76 Resp: 104569
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 18.727 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 43 Resp: 38632
Ion Ratio Lower Upper
43 100
74 26.4 20.3 30.5

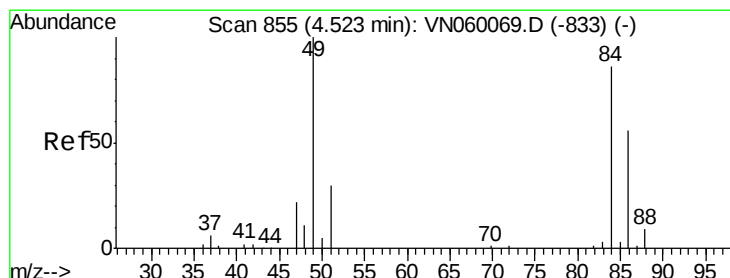
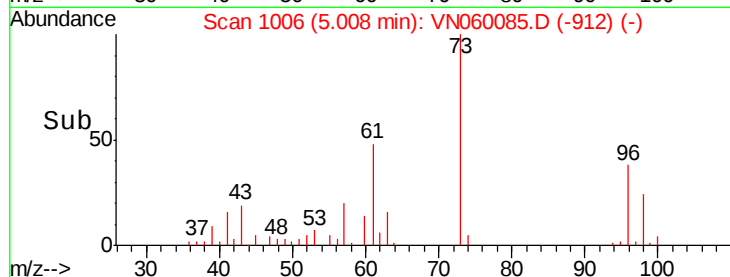
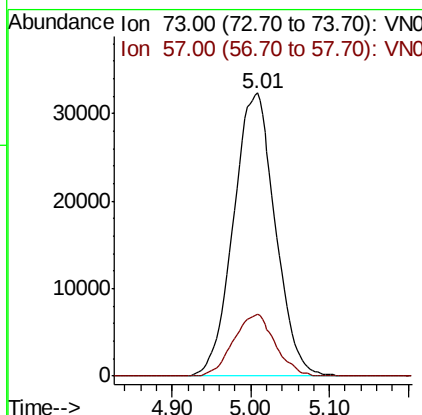
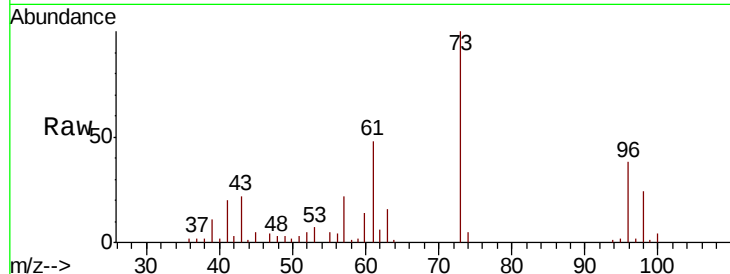




#19
Methvl tert-butvl Ether
Concen: 18.321 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

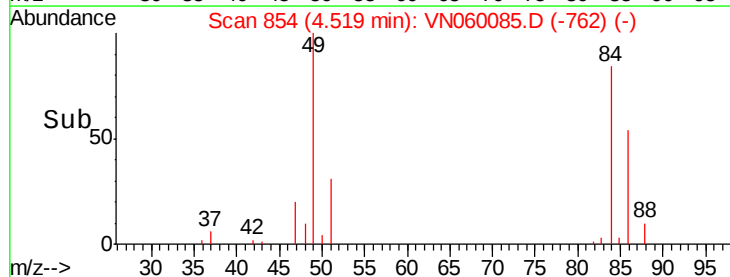
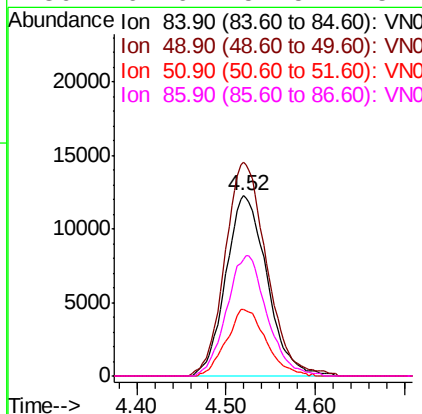
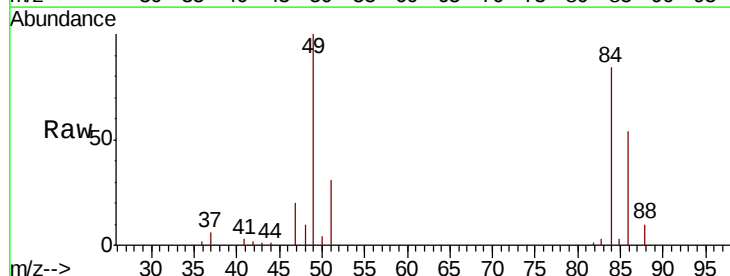
Instrument :
MSVOA_N
ClientSampleId :

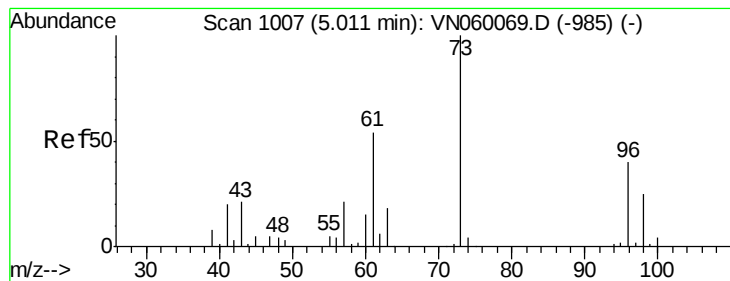
Tot Ion: 73 Resp: 120526
Ion Ratio Lower Upper
73 100
57 21.7 17.2 25.8



#20
Methylene Chloride
Concen: 17.961 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 84 Resp: 39352
Ion Ratio Lower Upper
84 100
49 118.7 93.4 140.0
51 37.0 28.4 42.6
86 64.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.275 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

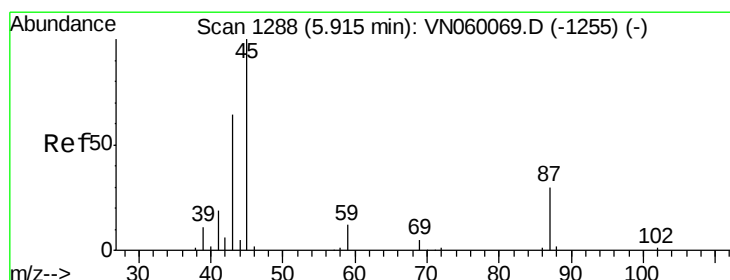
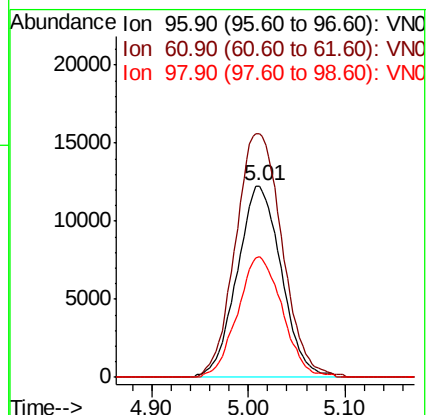
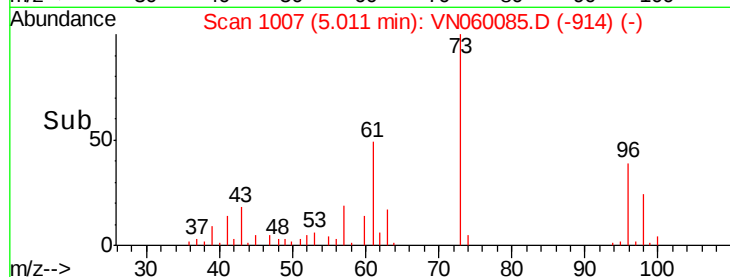
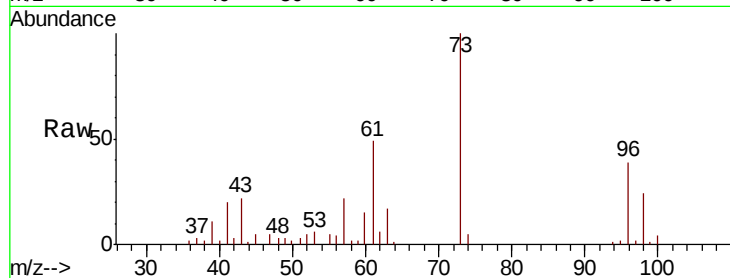
Tot Ion: 96 Resp: 38969

Ion Ratio Lower Upper

96 100

61 127.3 109.3 163.9

98 63.0 51.0 76.6



#22

Diisopropyl ether

Concen: 18.177 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Tgt Ion: 45 Resp: 114695

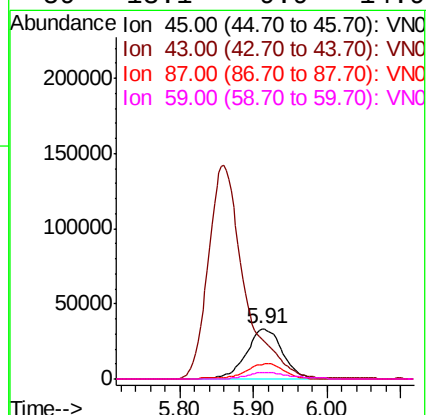
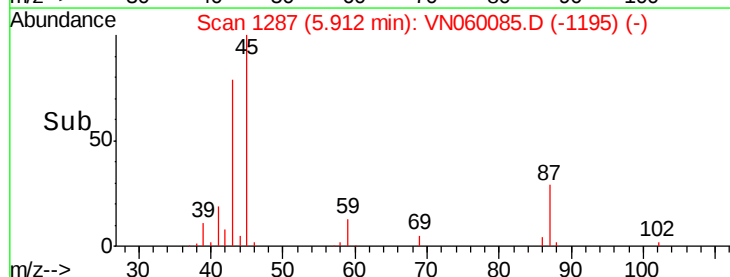
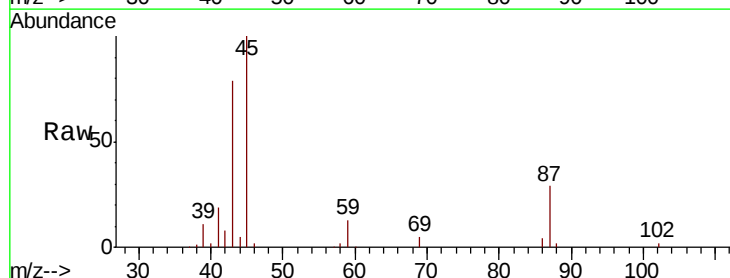
Ion Ratio Lower Upper

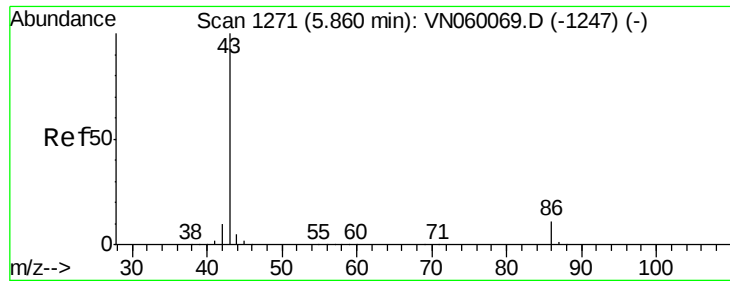
45 100

43 76.4 55.9 83.9

87 29.3 24.5 36.7

59 13.1 9.9 14.9

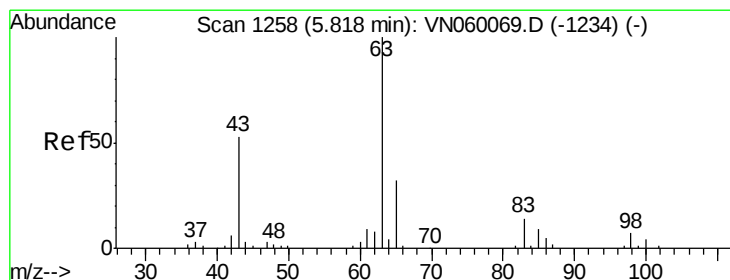
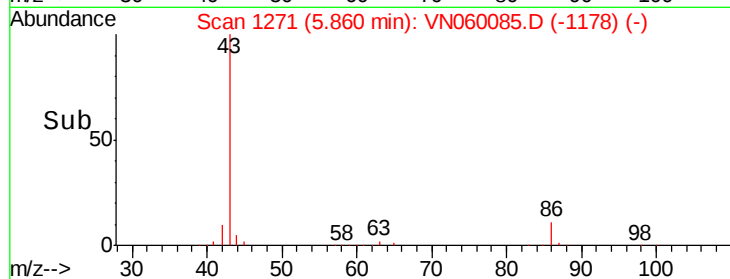
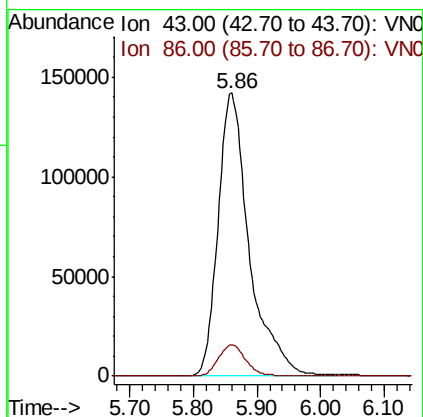
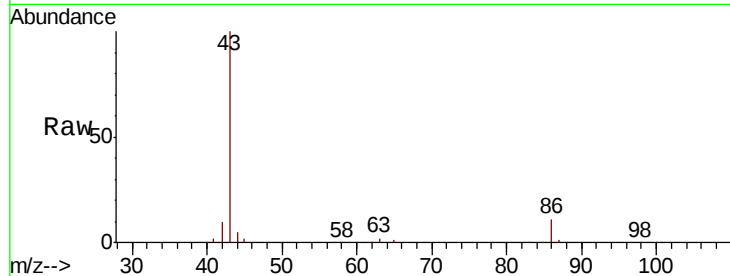




#23
 Vinyl Acetate
 Concen: 91.589 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

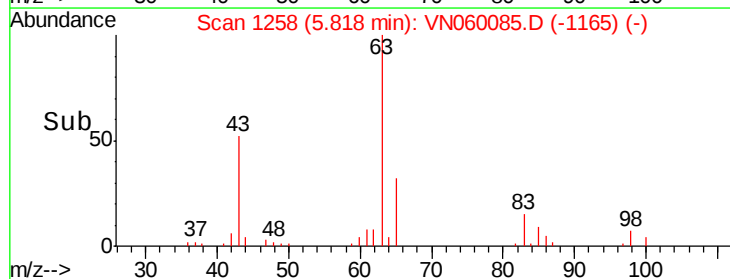
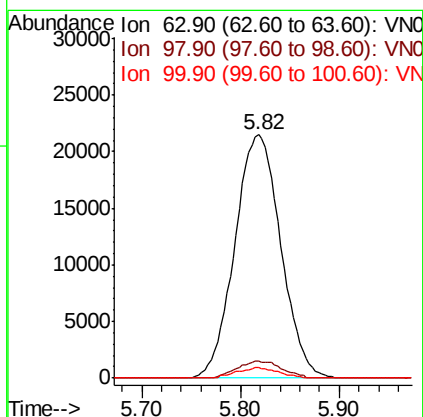
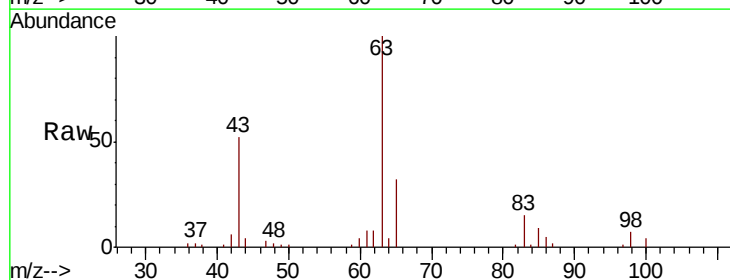
Instrument :
 MSVOA_N
 ClientSampleId :

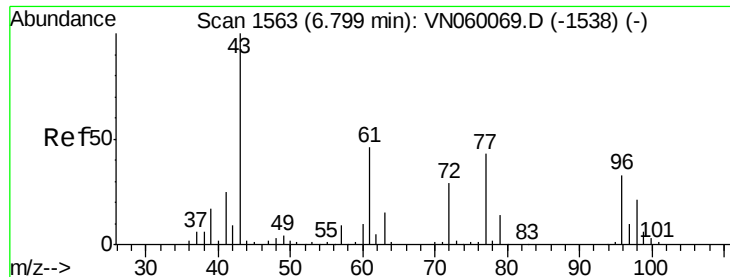
Tot Ion: 43 Resp: 485321
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.150 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 63 Resp: 69378
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.4 2.2 6.6

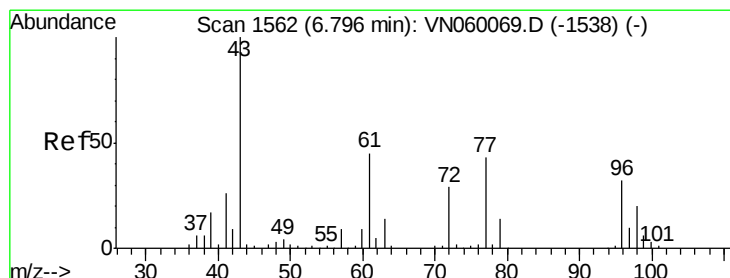
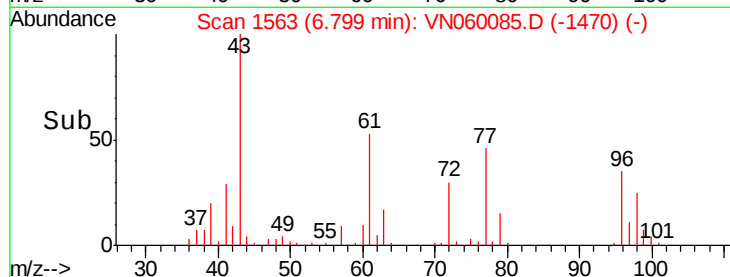
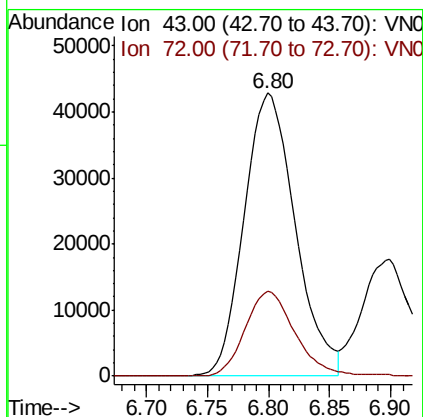
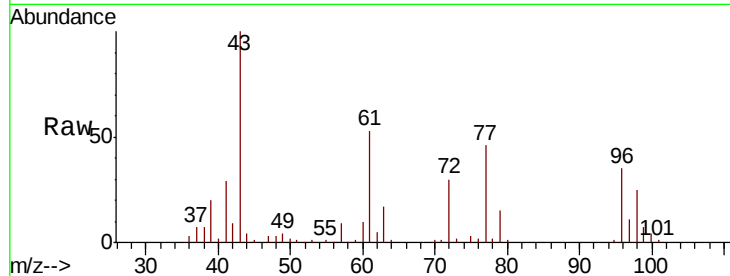




#25
2-Butanone
Concen: 90.389 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

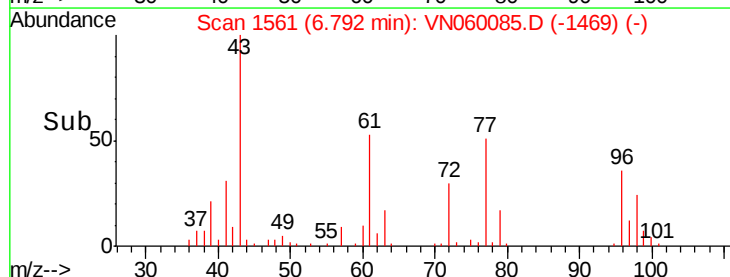
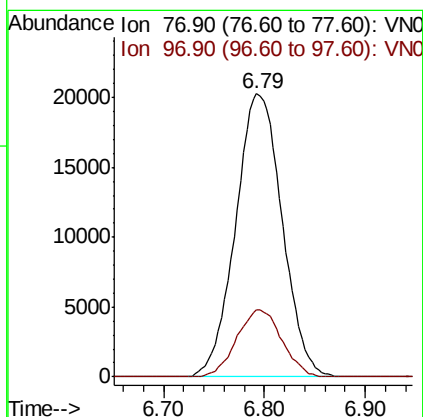
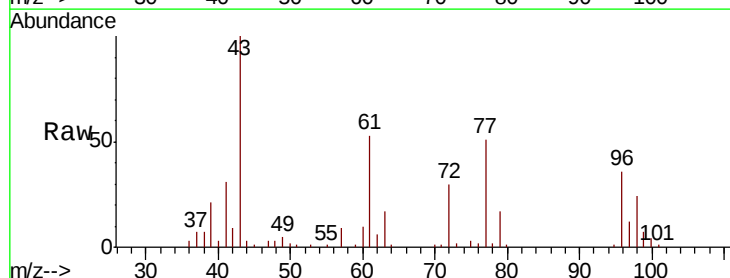
Instrument :
MSVOA_N
ClientSampled :

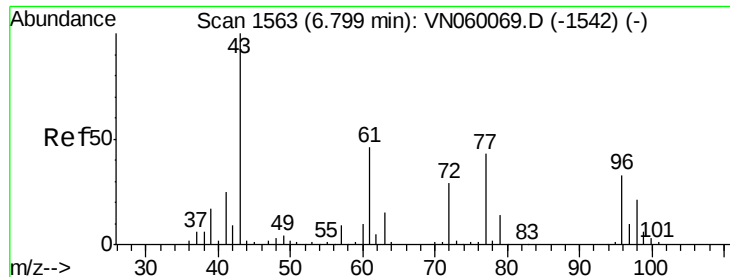
Tot Ion: 43 Resp: 124841
Ion Ratio Lower Upper
43 100
72 29.9 23.3 34.9



#26
2,2-Dichloropropane
Concen: 17.874 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 77 Resp: 64894
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2

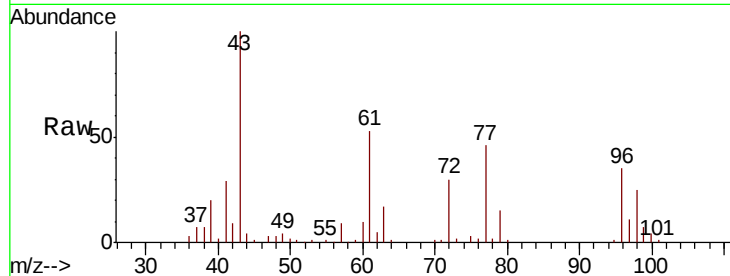




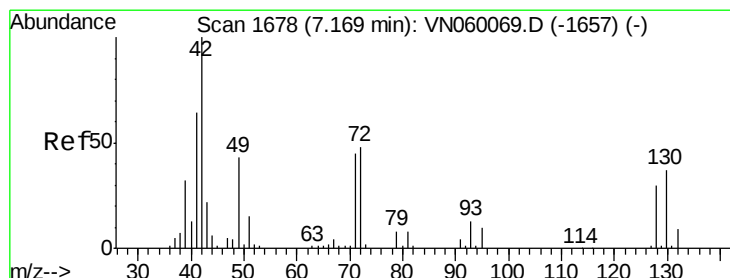
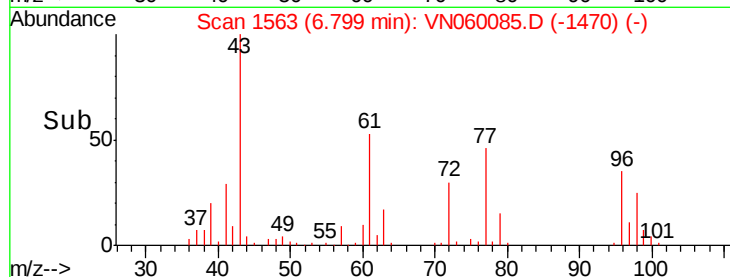
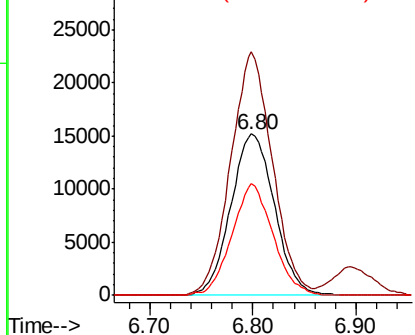
#27
 cis-1,2-Dichloroethene
 Concen: 17.908 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 44689
 Ion Ratio Lower Upper
 96 100
 61 144.5 0.0 285.8
 98 65.1 0.0 129.6

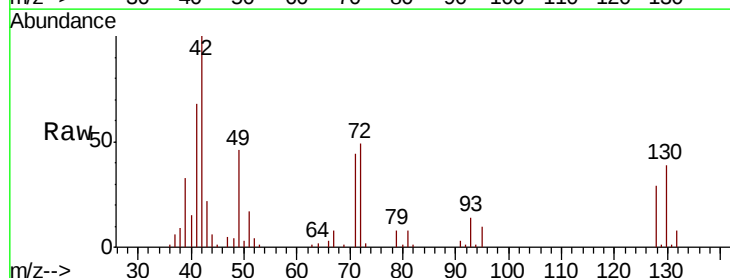


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

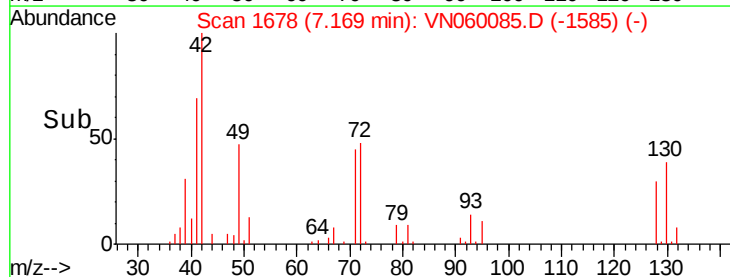
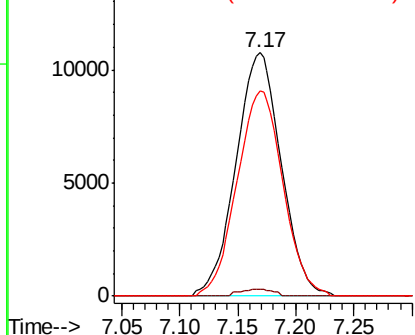


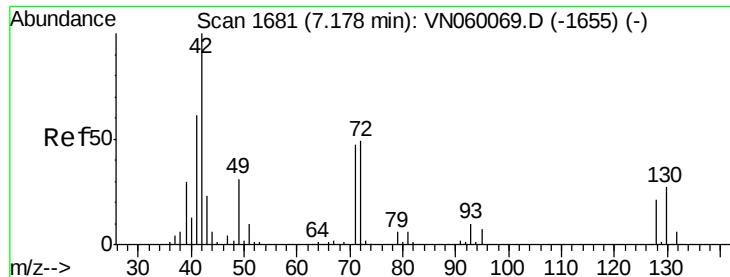
#28
 Bromochloromethane
 Concen: 19.448 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 49 Resp: 29226
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 2.2
 130 85.5 66.8 100.2



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

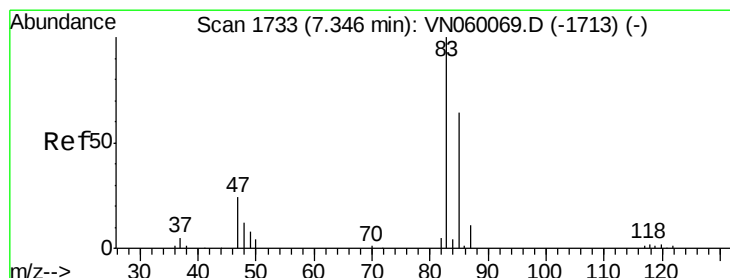
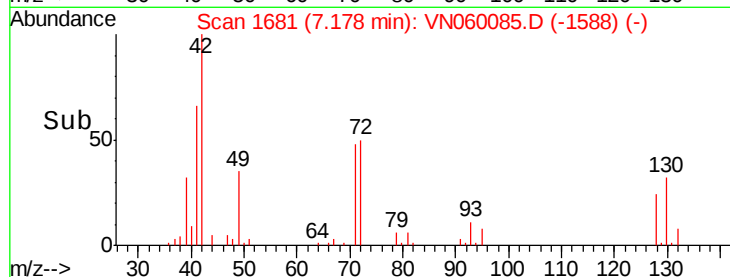
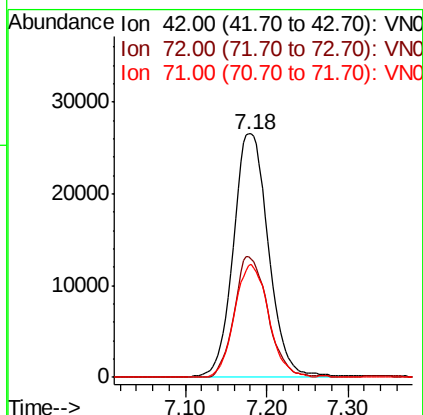
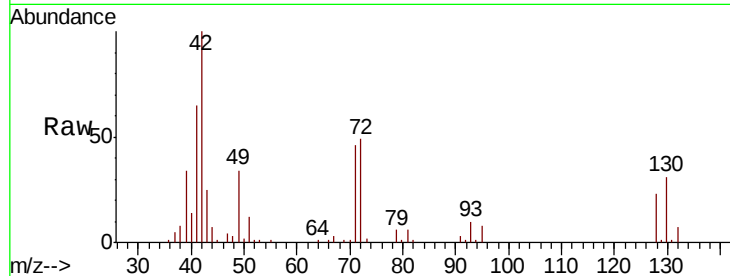




#29
Tetrahydrofuran
Concen: 93.774 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

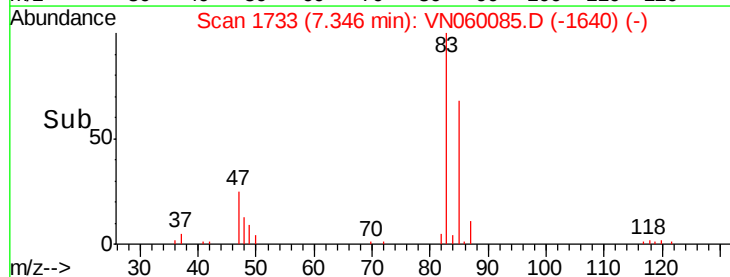
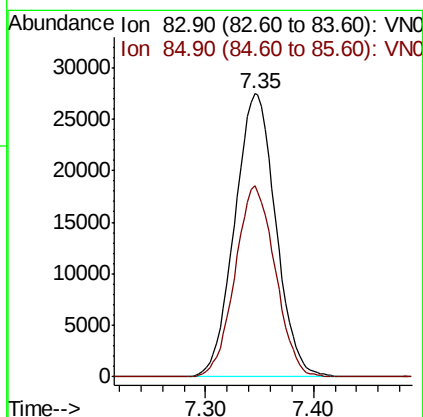
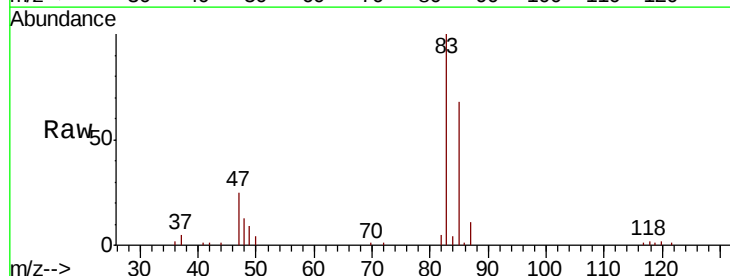
Instrument :
MSVOA_N
ClientSampled :

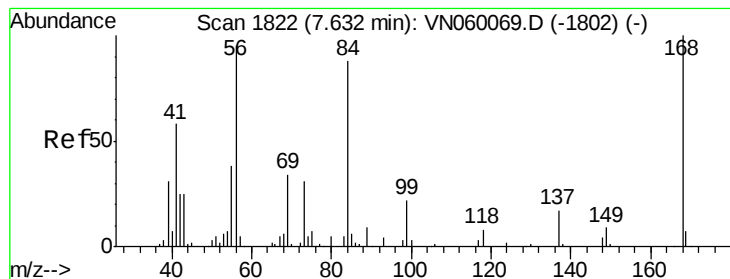
Tot Ion: 42 Resp: 79455
Ion Ratio Lower Upper
42 100
72 47.4 38.2 57.4
71 44.8 36.6 54.8



#30
Chloroform
Concen: 18.129 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 83 Resp: 72591
Ion Ratio Lower Upper
83 100
85 67.7 51.4 77.0





#31

Cyclohexane

Concen: 18.593 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

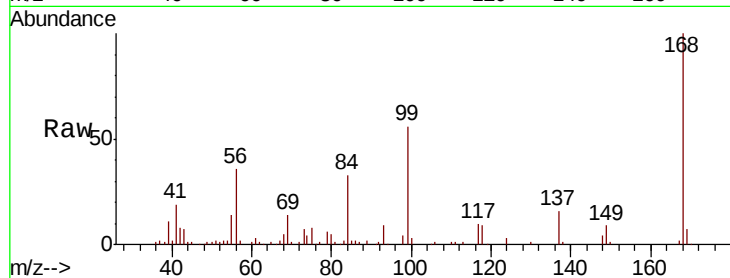
Tot Ion: 56 Resp: 66207

Ion Ratio Lower Upper

56 100

69 38.3 28.3 42.5

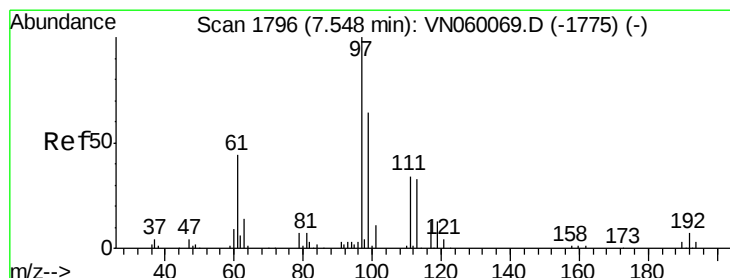
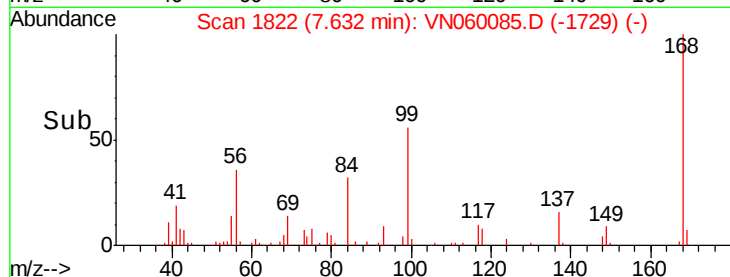
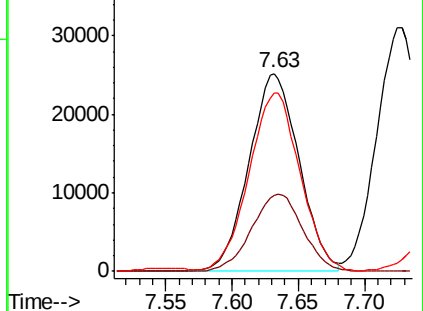
84 89.2 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-1802) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-1802) (-)

Ion 84.00 (83.70 to 84.70): VN060069.D (-1802) (-)



#32

1,1,1-Trichloroethane

Concen: 18.285 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

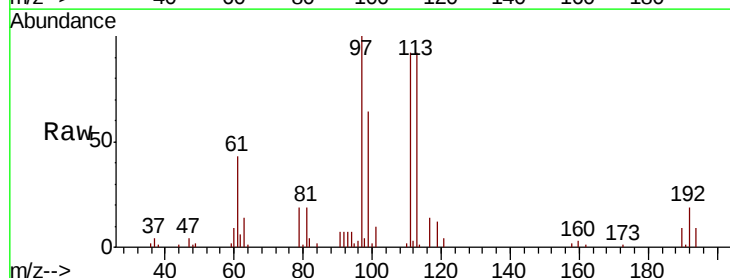
Tgt Ion: 97 Resp: 66908

Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

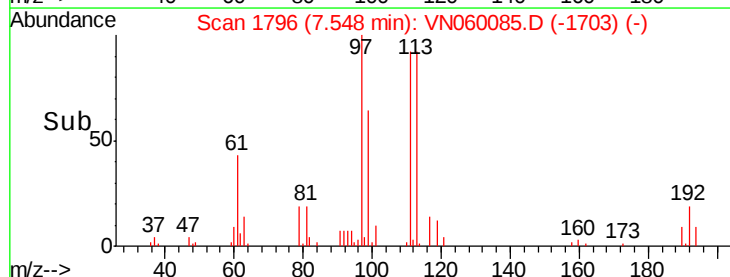
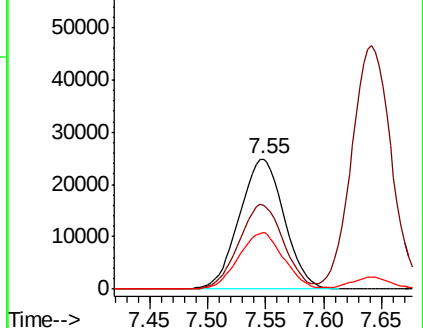
61 43.7 34.9 52.3

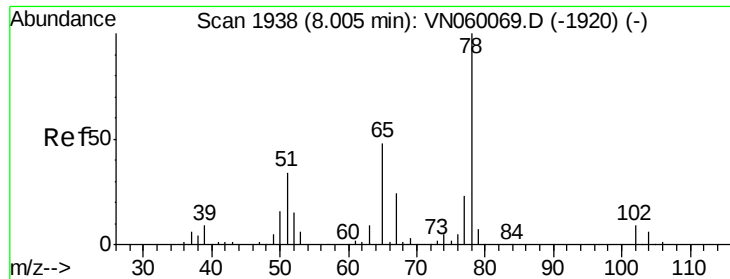


Abundance Ion 96.90 (96.60 to 97.60): VN060069.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-1775) (-)

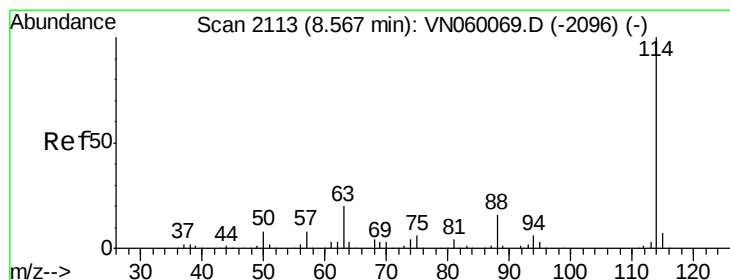
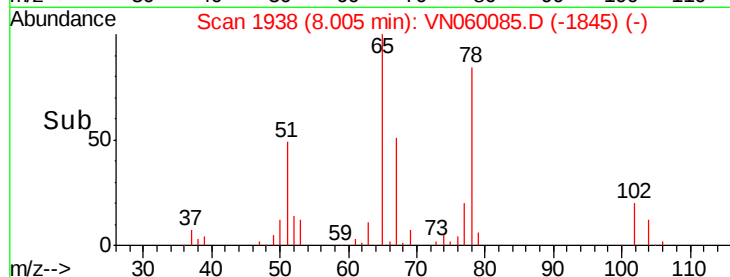
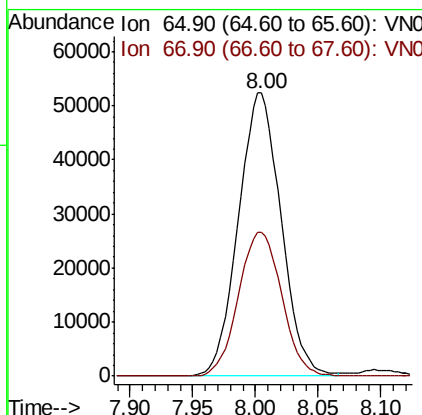
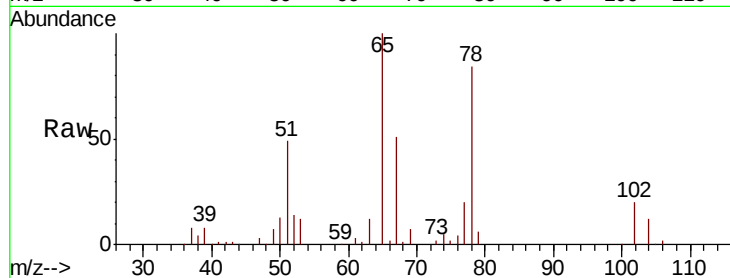




#33
 1,2-Dichloroethane-d4
 Concen: 49.196 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

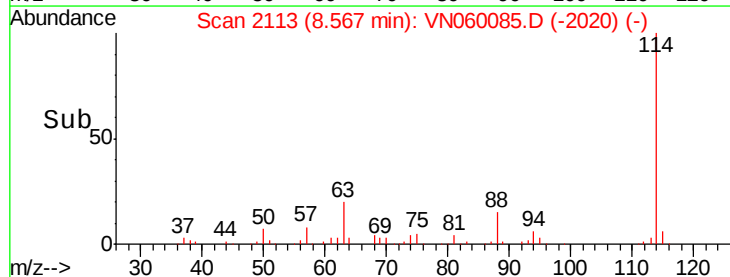
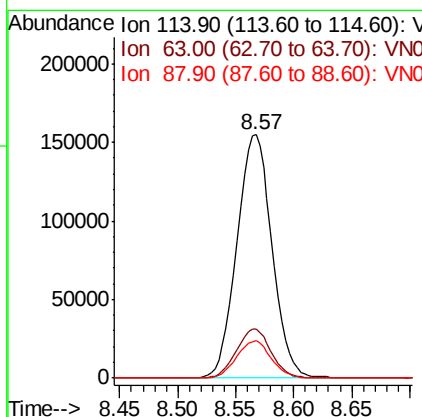
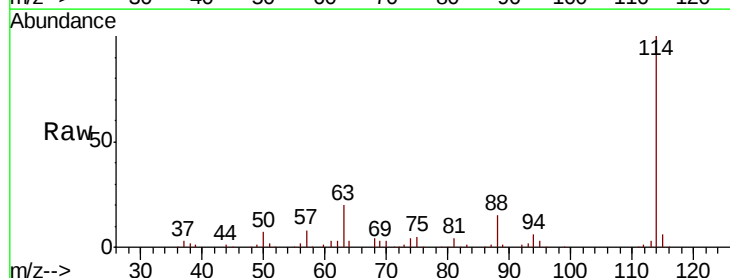
Instrument :
 MSVOA_N
 ClientSampleId :

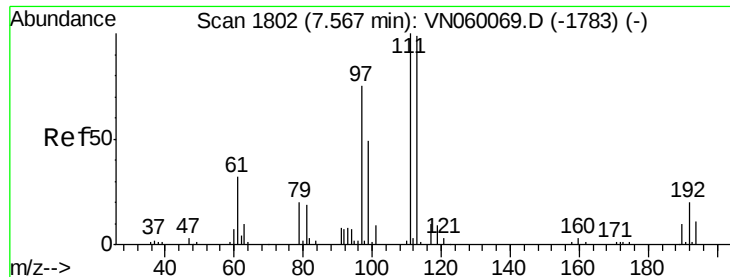
Tot Ion: 65 Resp: 123857
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 114 Resp: 325587
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 31.6

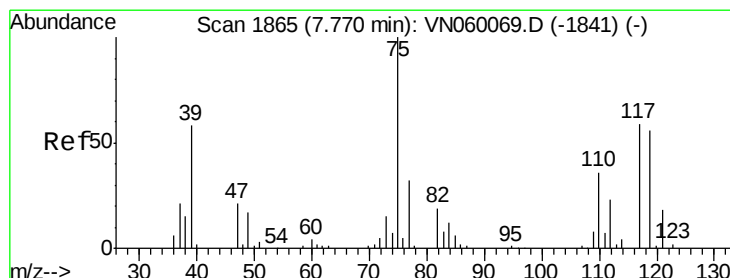
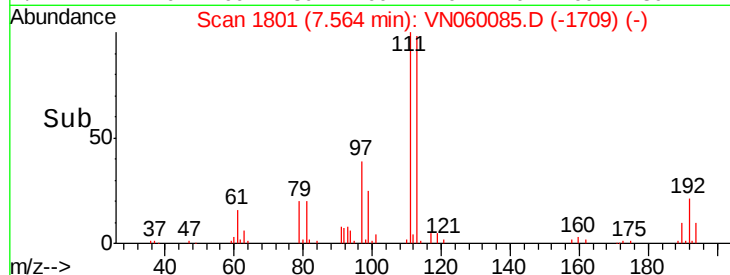
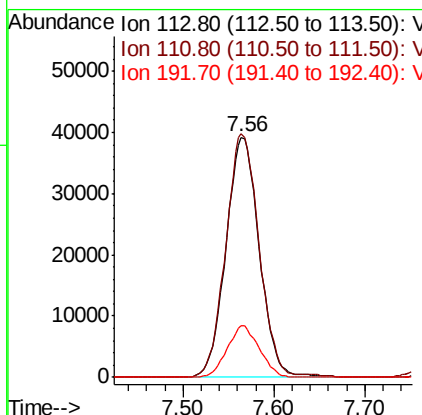
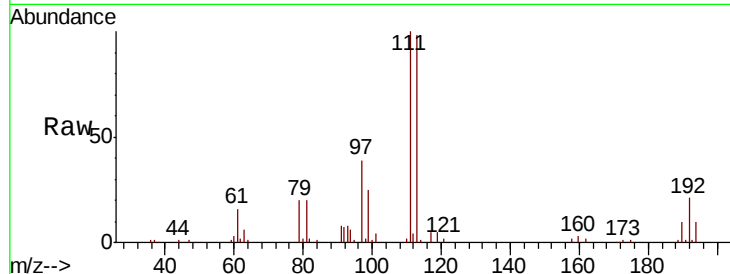




#35
 Dibromofluoromethane
 Concen: 49.667 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

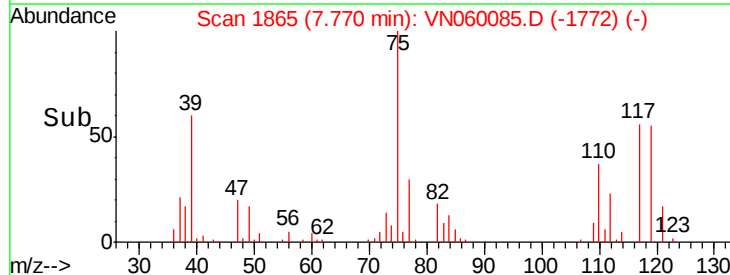
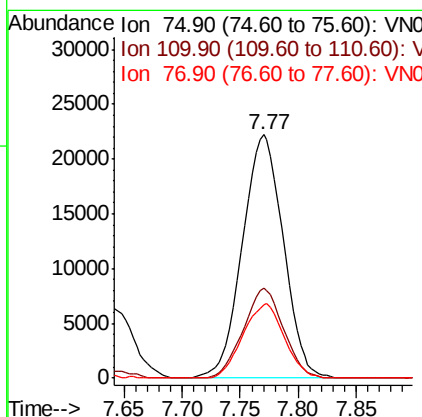
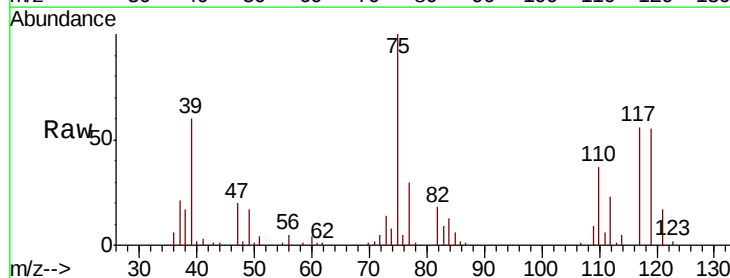
Instrument :
 MSVOA_N
 ClientSampled :

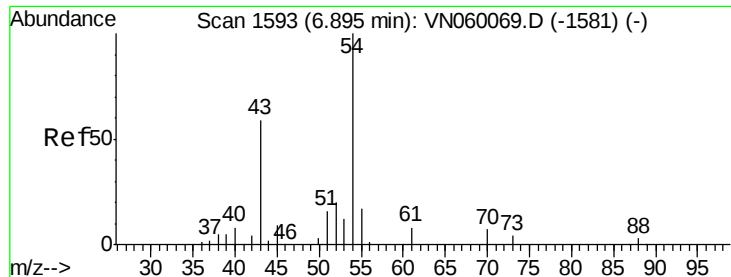
Tot Ion:113 Resp: 99402
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.2
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 18.134 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 75 Resp: 54686
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.3
 77 30.8 25.1 37.7

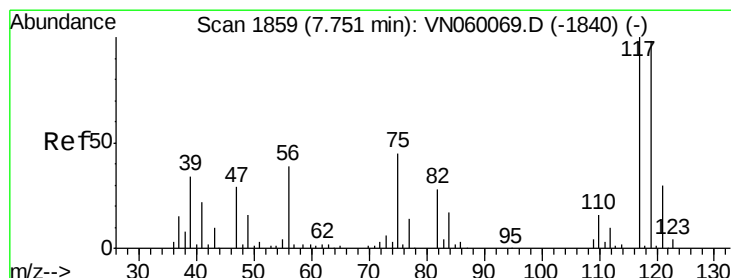
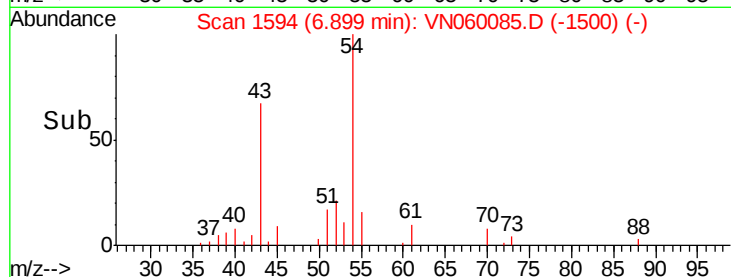
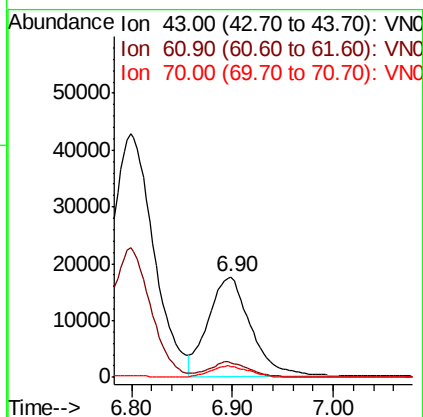
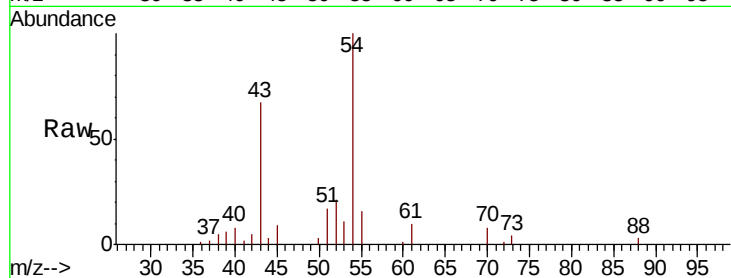




#37
Ethyl Acetate
Concen: 18.790 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

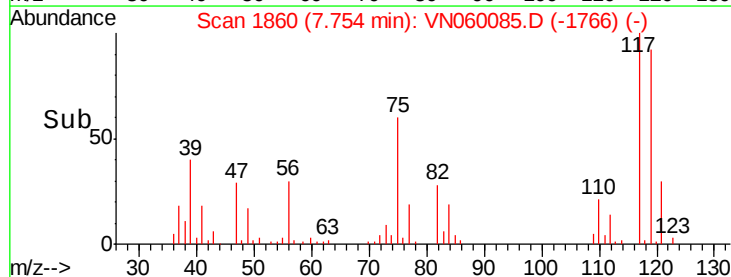
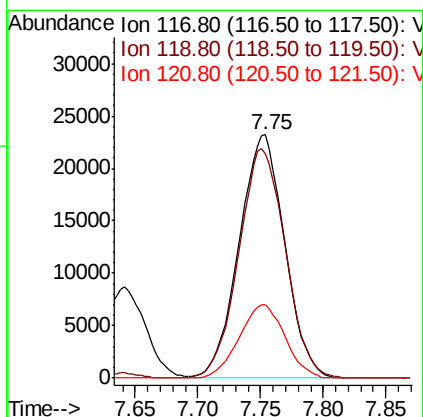
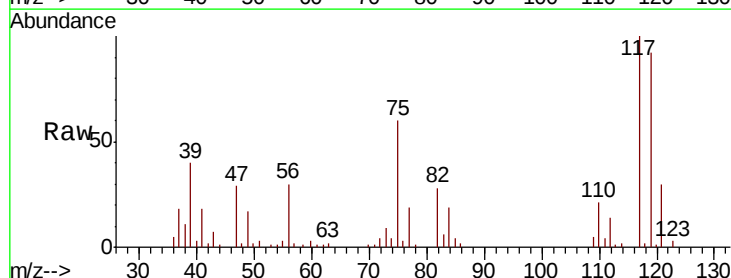
Instrument :
MSVOA_N
ClientSampled :

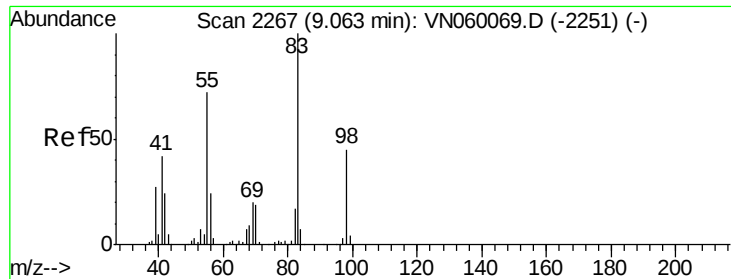
Tot Ion: 43 Resp: 51212
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.2
70 10.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.951 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 117 Resp: 58792
Ion Ratio Lower Upper
117 100
119 92.4 78.2 117.4
121 30.0 24.2 36.2

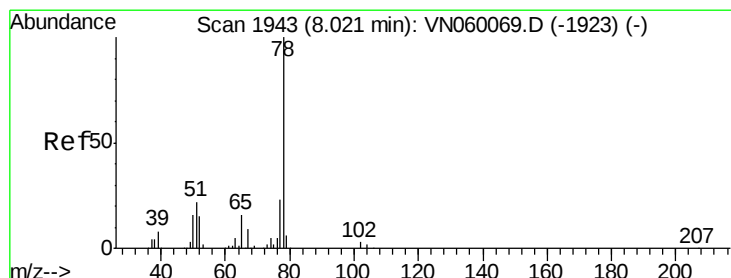
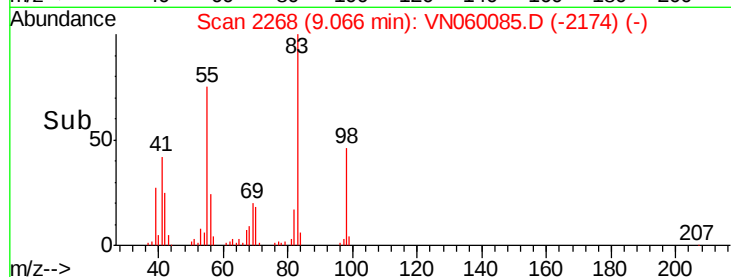
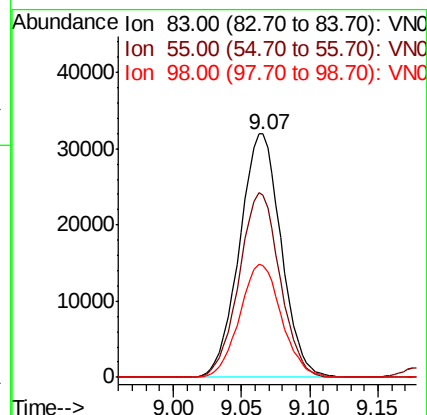
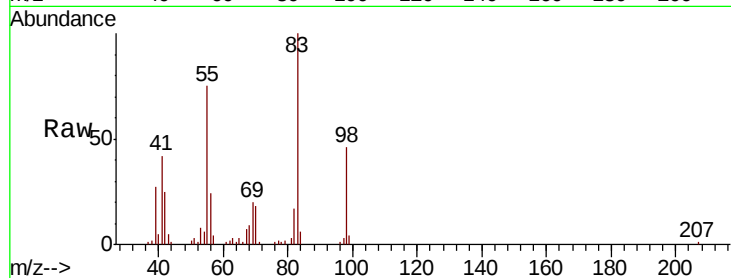




#39
Methvlcvclohexane
Concen: 18.076 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

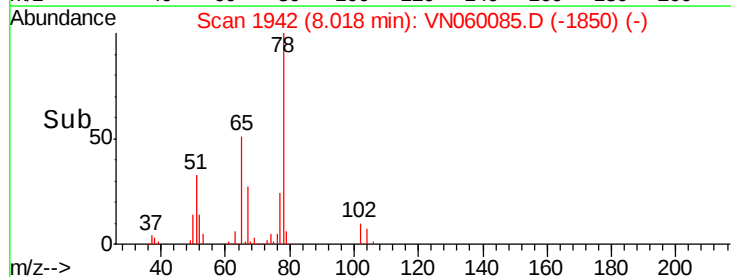
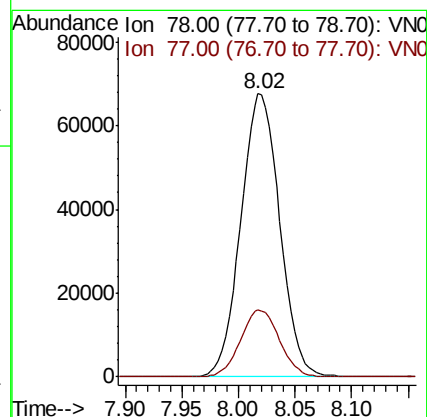
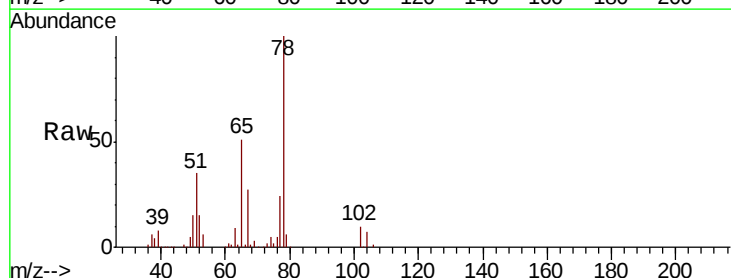
Instrument :
MSVOA_N
ClientSampleId :

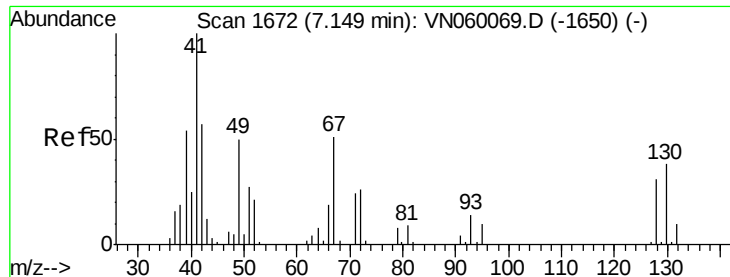
Tot Ion: 83 Resp: 67668
Ion Ratio Lower Upper
83 100
55 75.0 57.8 86.8
98 45.9 36.4 54.6



#40
Benzene
Concen: 18.084 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 78 Resp: 161773
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 64.260 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

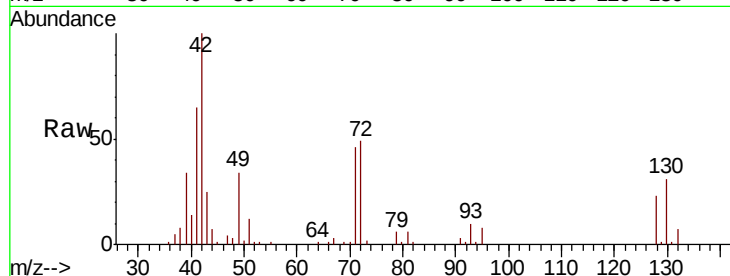
Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 73449

Ion	Ratio	Lower	Upper
41	100		
39	52.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



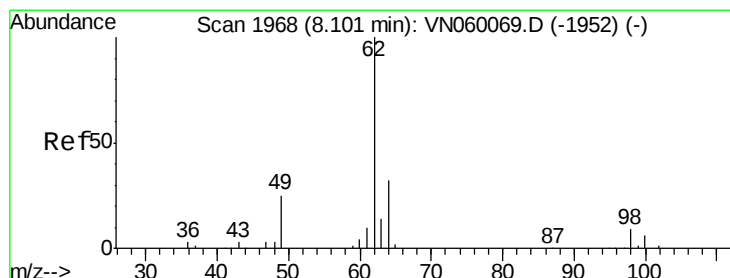
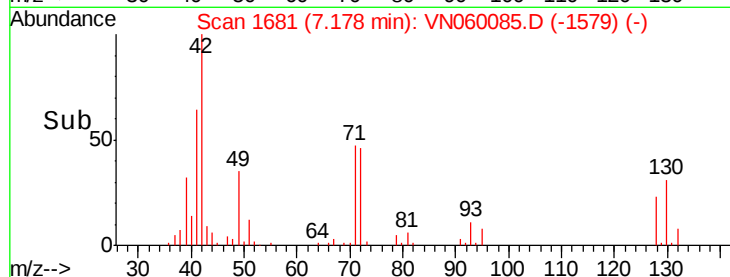
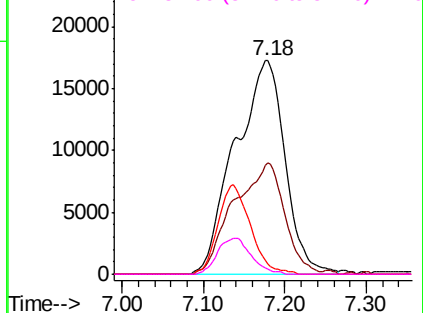
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 18.442 ug/l

RT: 8.10 min Scan# 1968

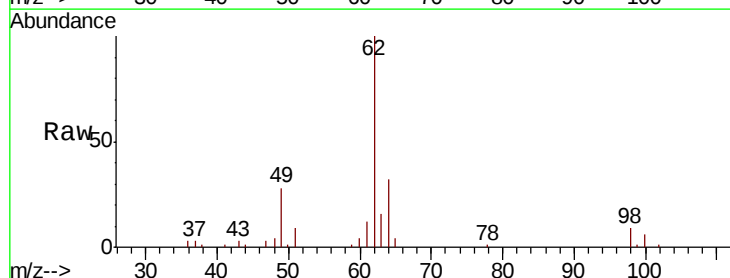
Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Tgt Ion: 62 Resp: 57822

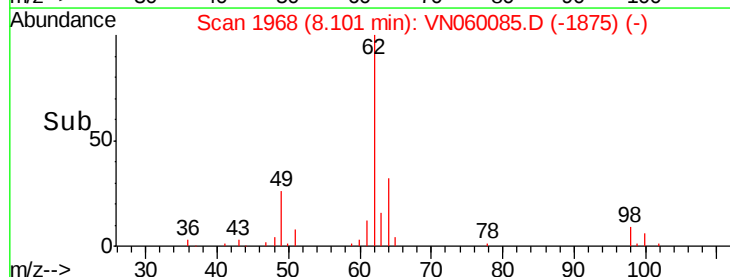
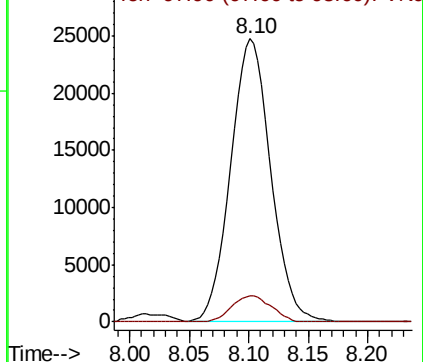
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

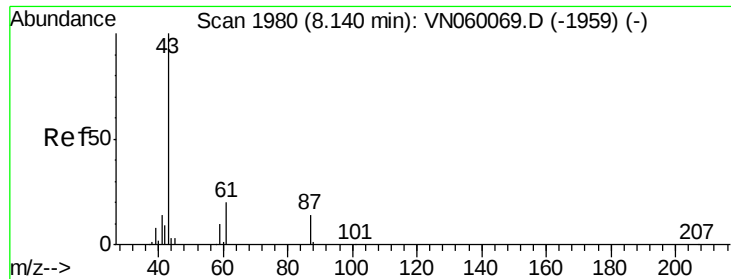


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

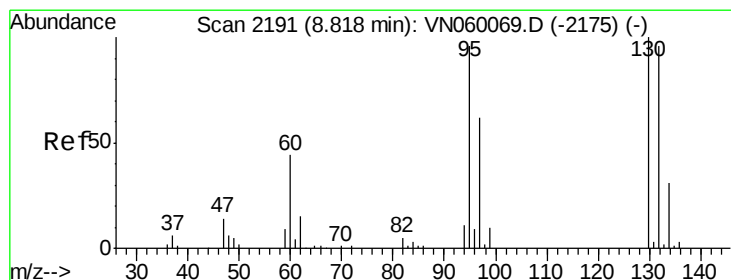
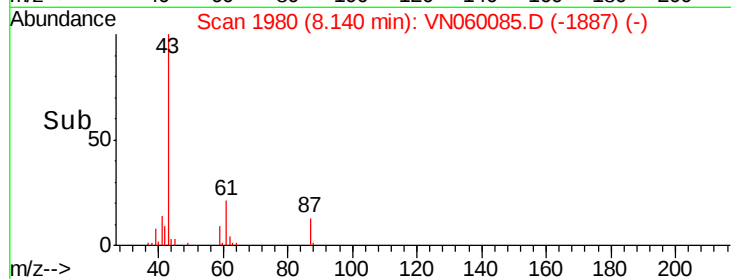
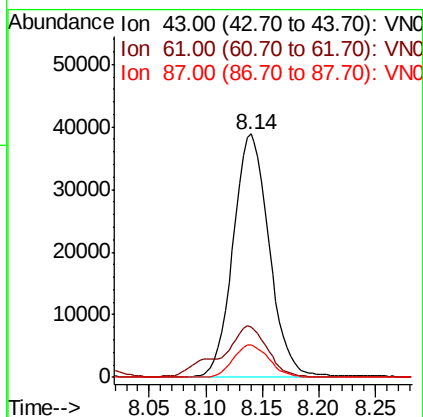
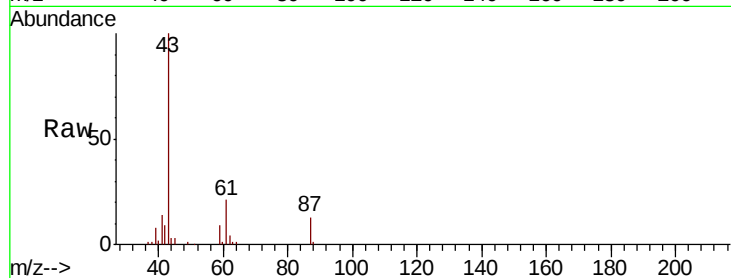




#43
Isopropyl Acetate
Concen: 18.541 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

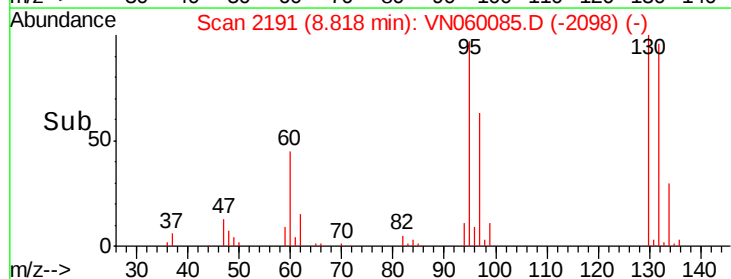
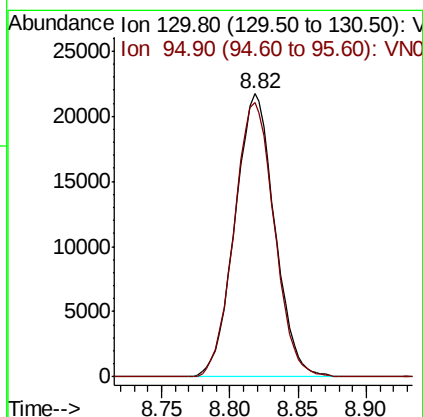
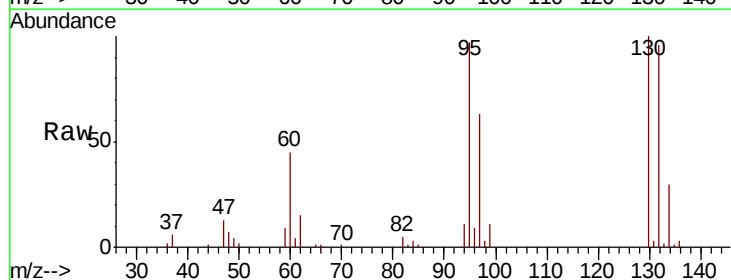
Instrument :
MSVOA_N
ClientSampled :

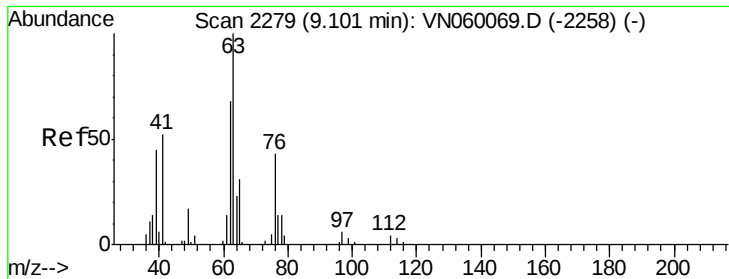
Tot Ion: 43 Resp: 86383
Ion Ratio Lower Upper
43 100
61 21.3 21.8 32.6#
87 13.1 11.4 17.2



#44
Trichloroethene
Concen: 17.745 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion:130 Resp: 43954
Ion Ratio Lower Upper
130 100
95 97.0 0.0 192.4

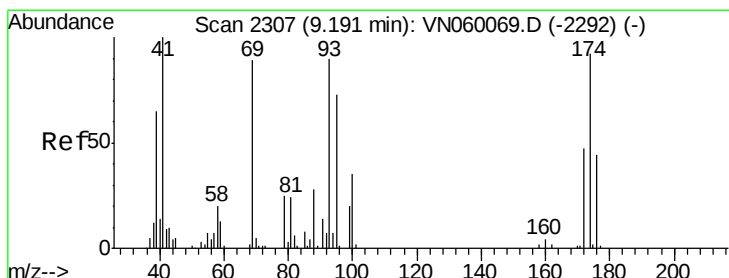
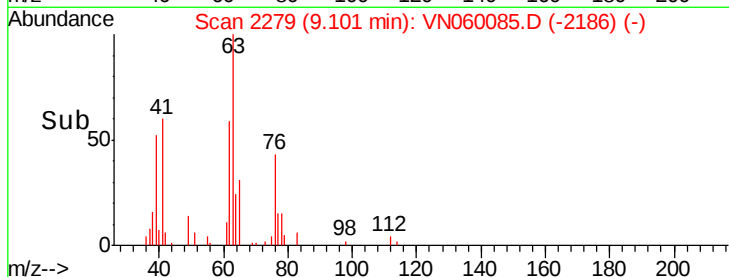
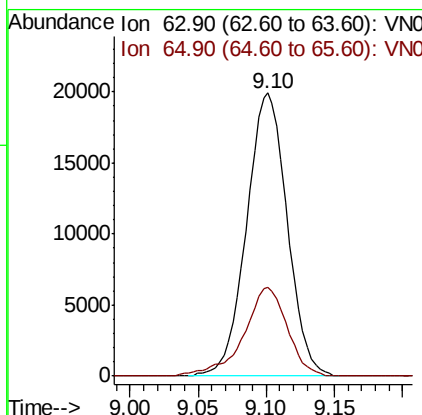
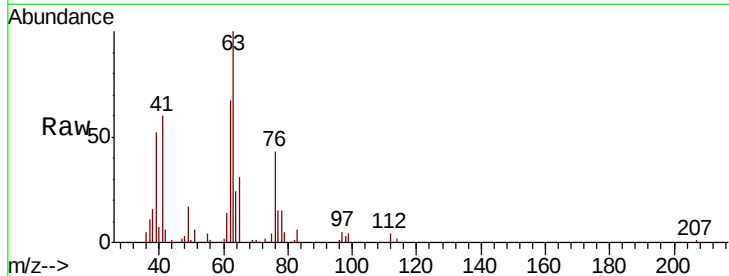




#45
 1,2-Dichloropropane
 Concen: 18.603 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

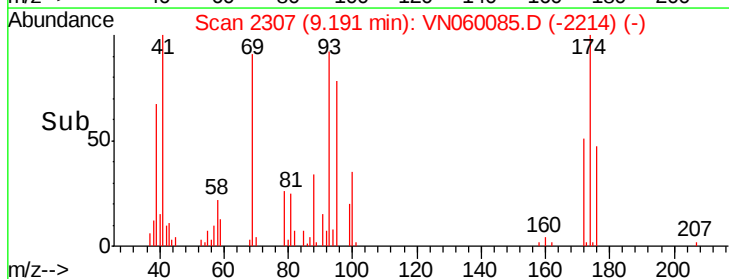
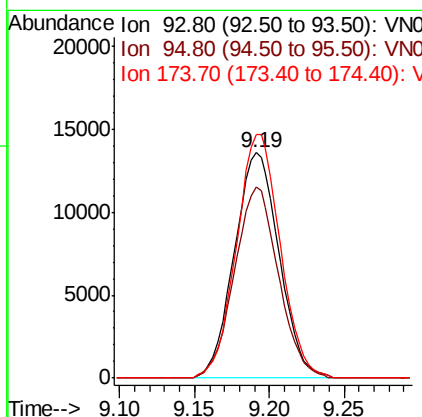
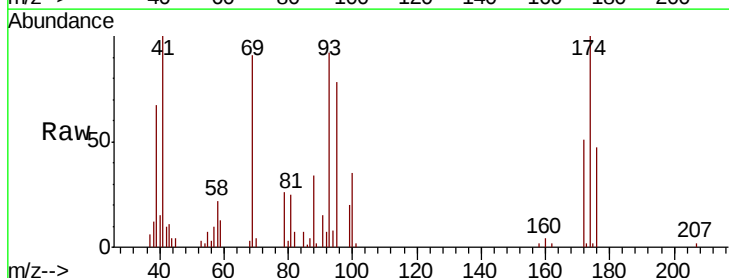
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 41200
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4



#46
 Dibromomethane
 Concen: 18.092 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 93 Resp: 28315
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.0 97.6
 174 105.7 82.3 123.5

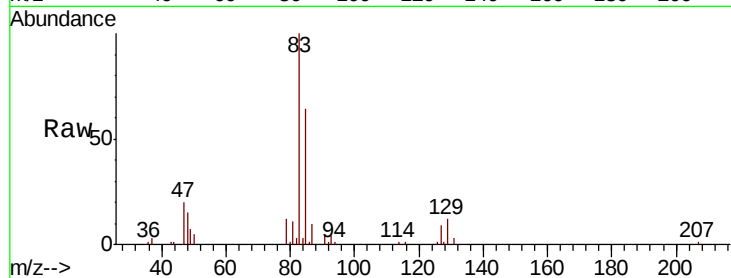




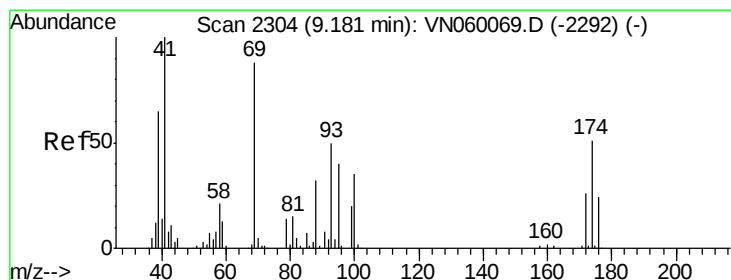
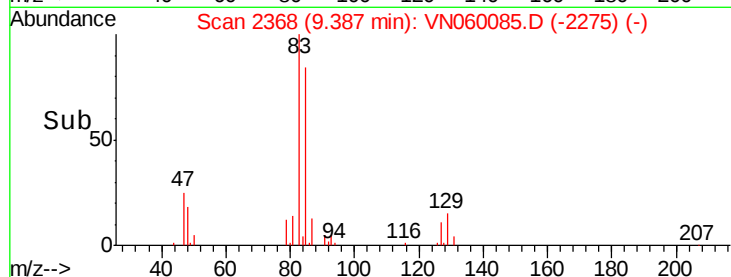
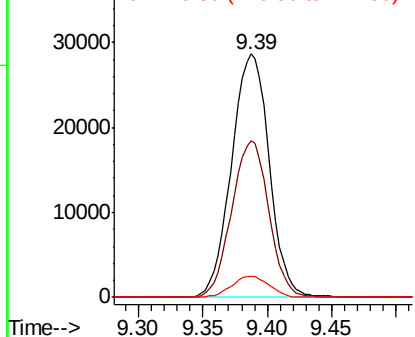
#47
Bromodichloromethane
Concen: 18.315 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 58276
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8
127 8.7 7.0 10.6

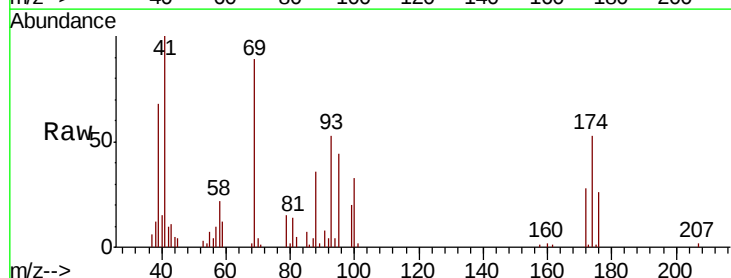


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

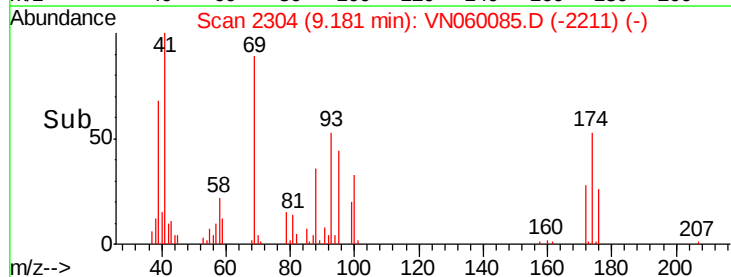
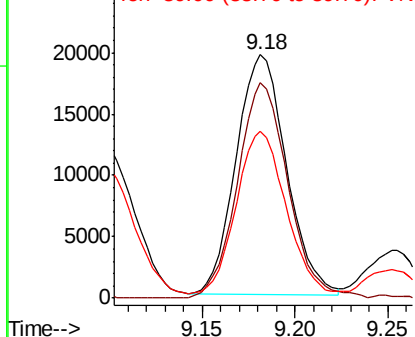


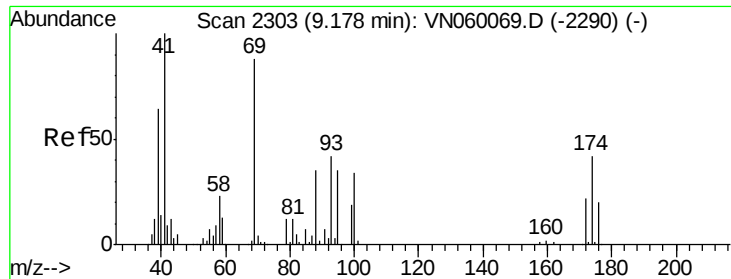
#48
Methyl methacrylate
Concen: 17.756 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 41 Resp: 37116
Ion Ratio Lower Upper
41 100
69 89.7 72.0 108.0
39 70.8 54.1 81.1



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

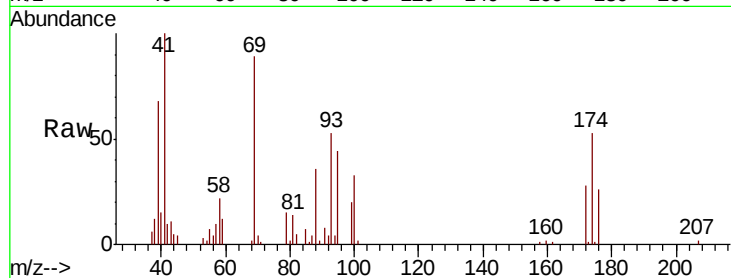




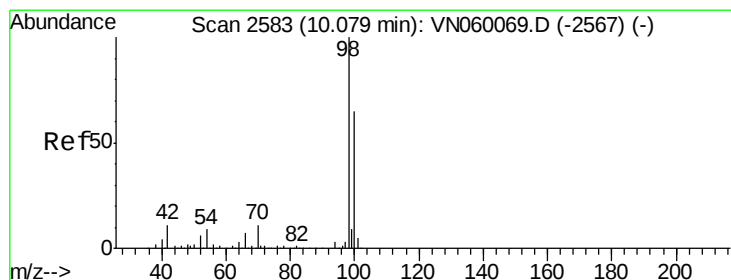
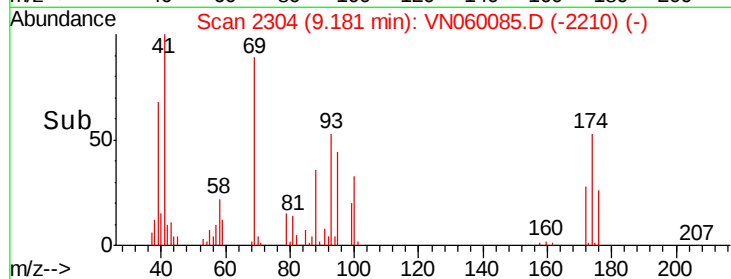
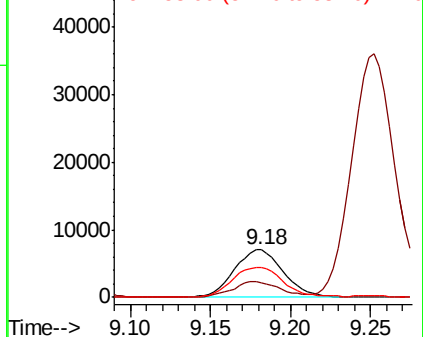
#49
 1,4-Dioxane
 Concen: 411.694 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 14704
 Ion Ratio Lower Upper
 88 100
 43 32.1 26.2 39.2
 58 65.5 53.2 79.8

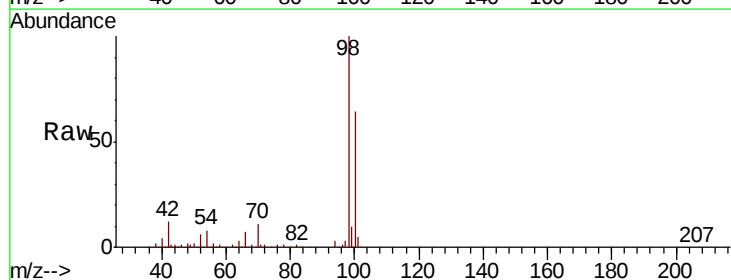


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

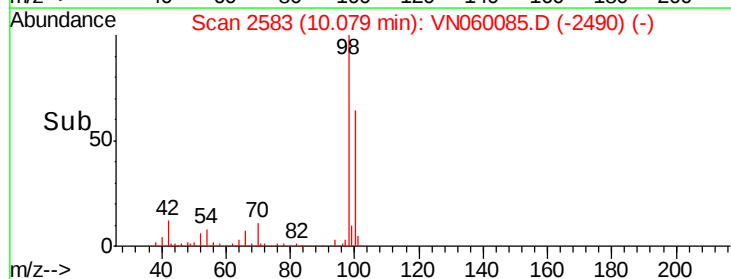
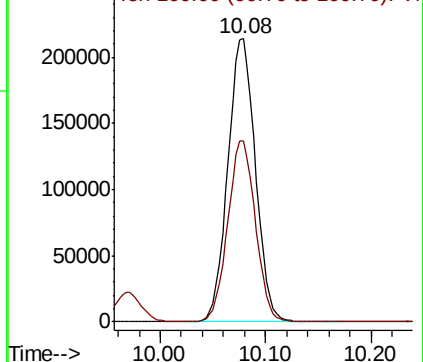


#50
 Toluene-d8
 Concen: 49.083 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 98 Resp: 386841
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.7 77.5



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: 92.246 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

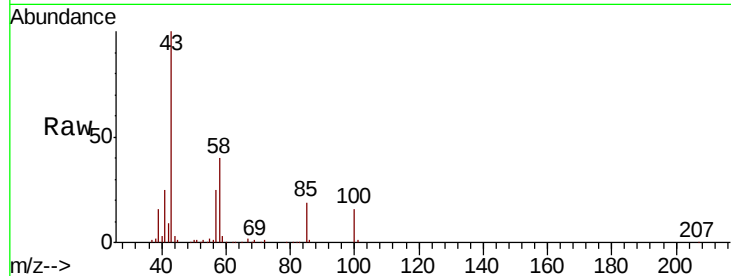
ClientSampled :

Tot Ion: 43 Resp: 248764

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

150000

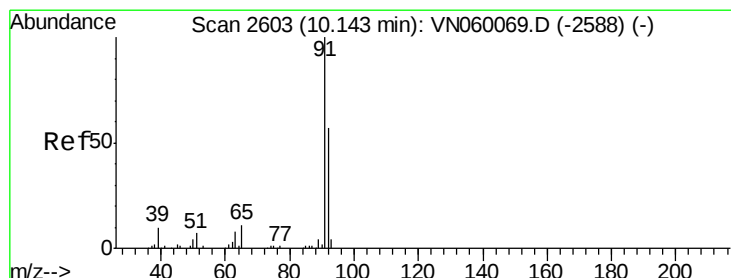
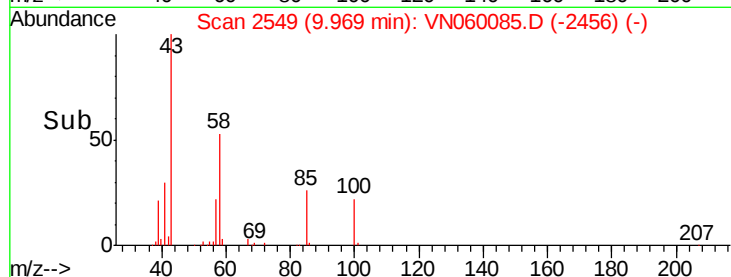
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.011 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060085.D

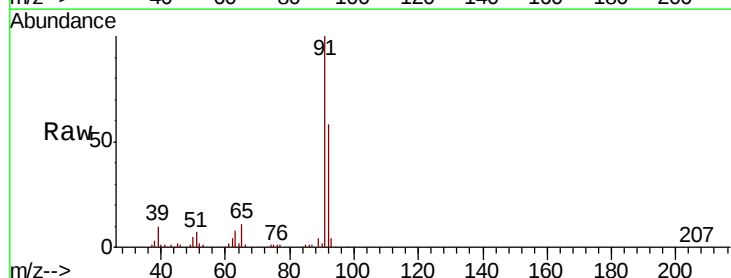
Acq: 13 Feb 2020 11:24

Tgt Ion: 92 Resp: 103324

Ion Ratio Lower Upper

92 100

91 174.6 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

100000

80000

60000

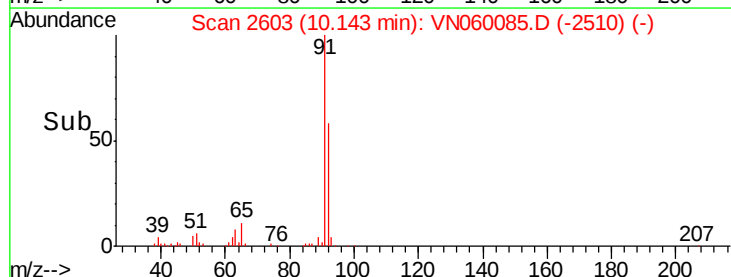
40000

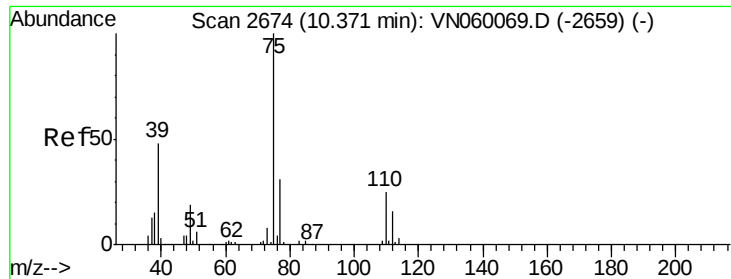
20000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.023 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

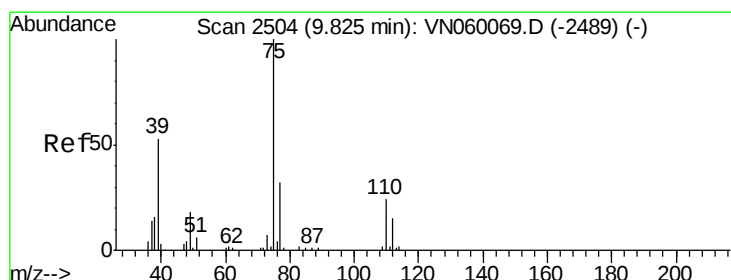
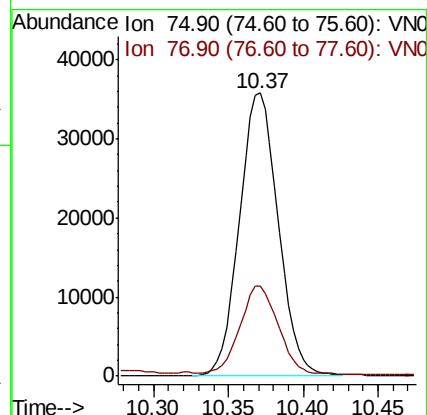
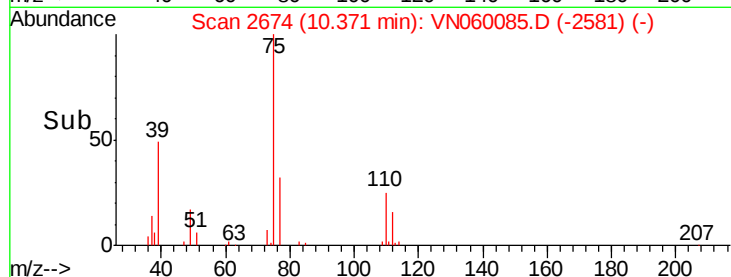
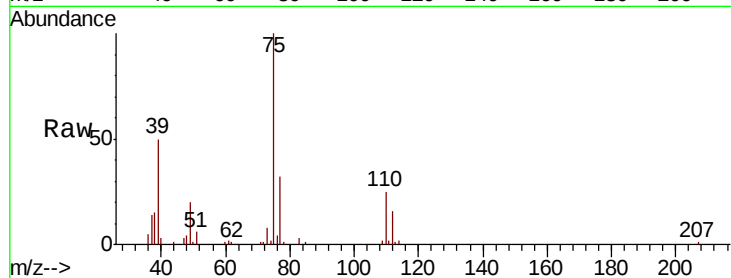
ClientSampleId :

Tot Ion: 75 Resp: 64733

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.099 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

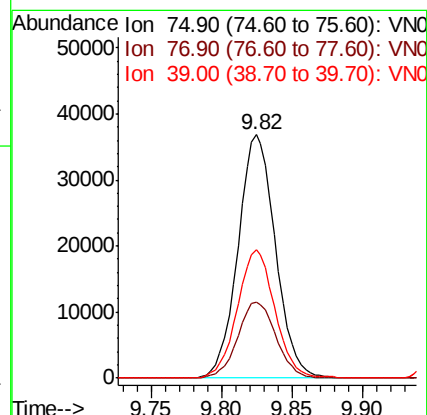
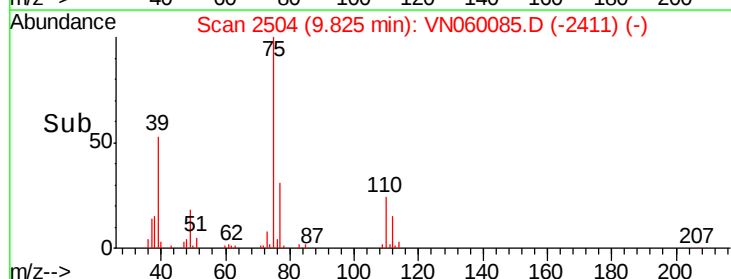
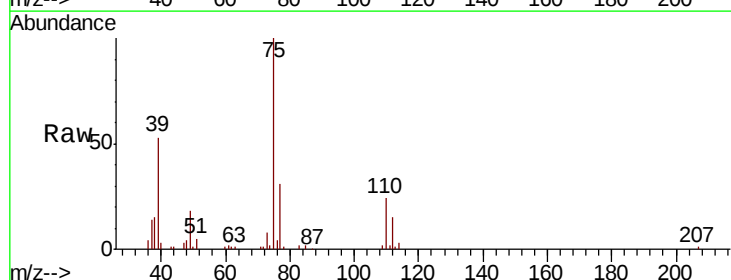
Tgt Ion: 75 Resp: 68452

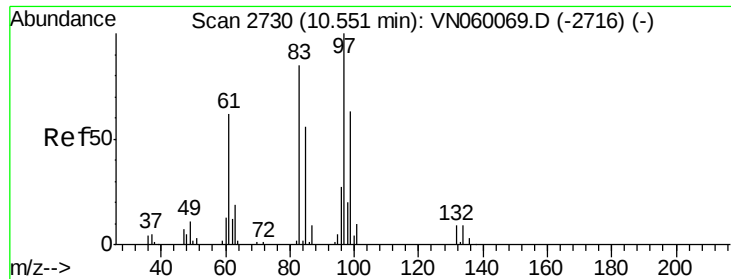
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 52.8 42.2 63.4

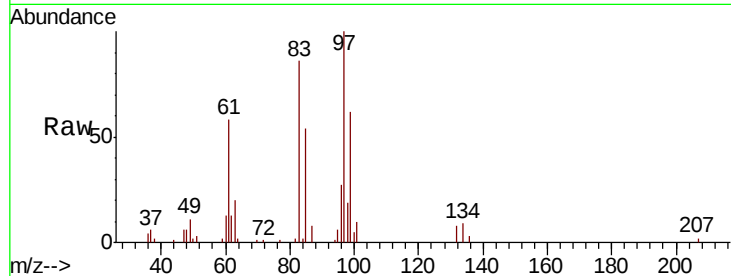




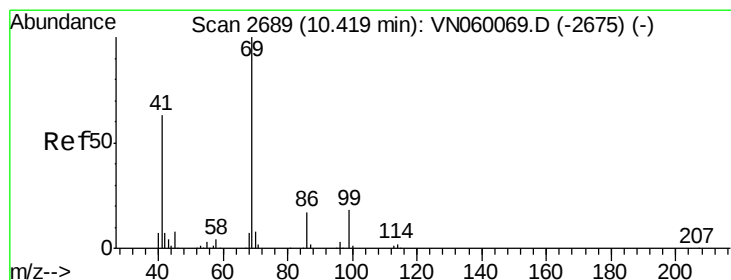
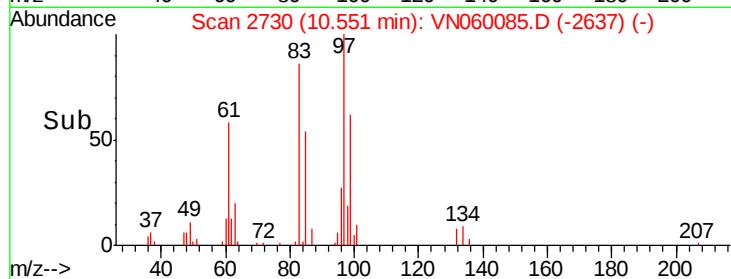
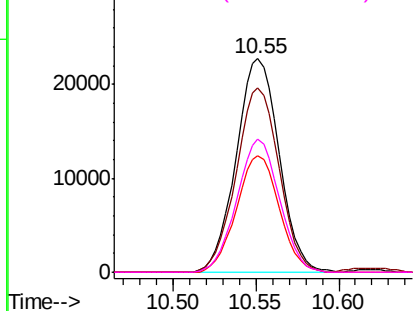
#55
 1,1,2-Trichloroethane
 Concen: 18.363 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	41097
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.9	101.9
85	54.3	44.6	67.0
99	62.4	50.1	75.1

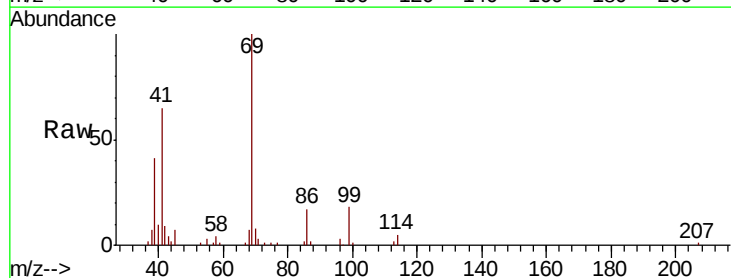


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

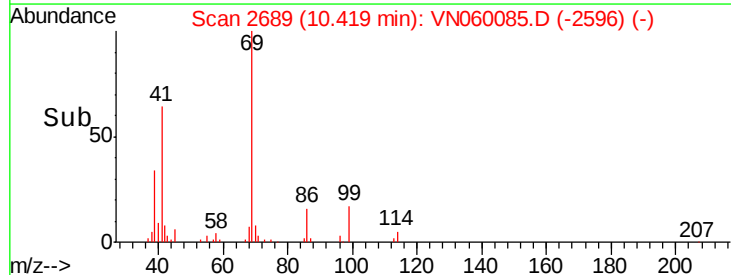
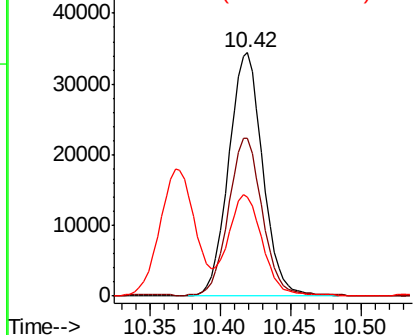


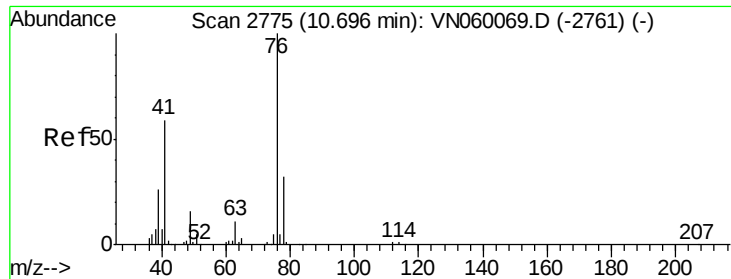
#56
 Ethyl methacrylate
 Concen: 18.392 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion:	69	Resp:	58226
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.1	76.7
39	42.9	33.8	50.8



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

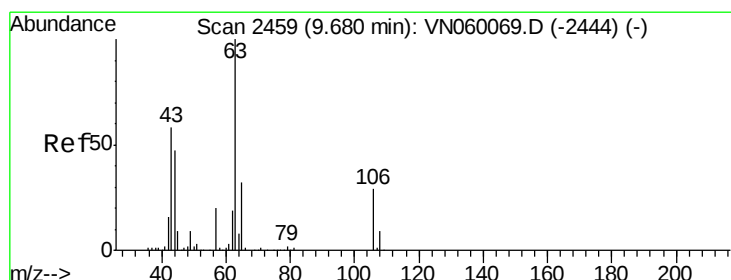
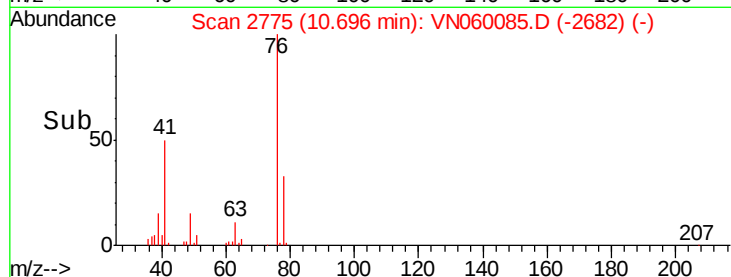
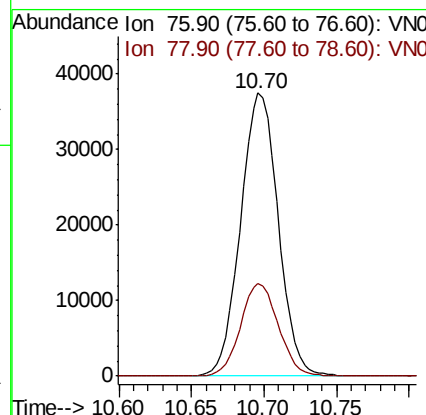
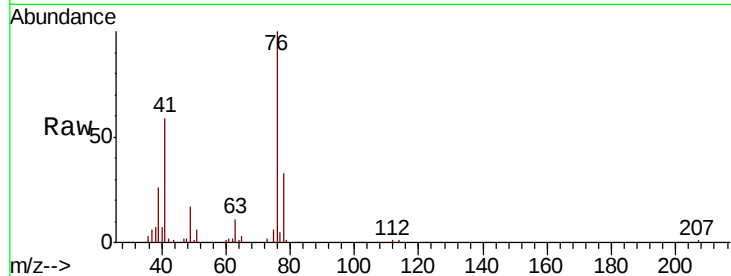




#57
 1,3-Dichloropropane
 Concen: 18.322 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

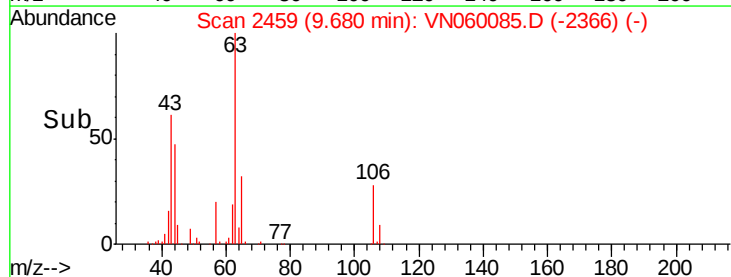
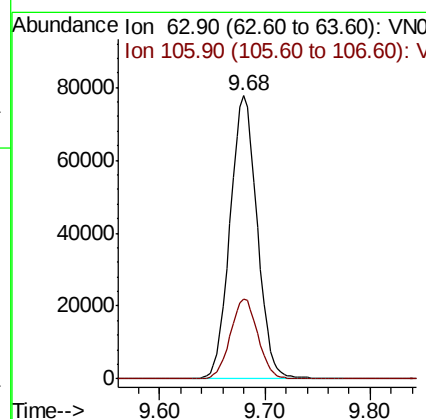
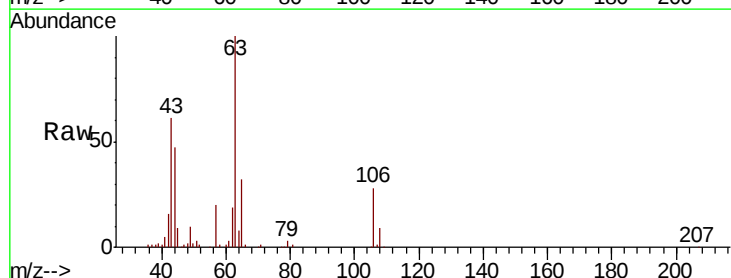
Instrument :
 MSVOA_N
 ClientSampled :

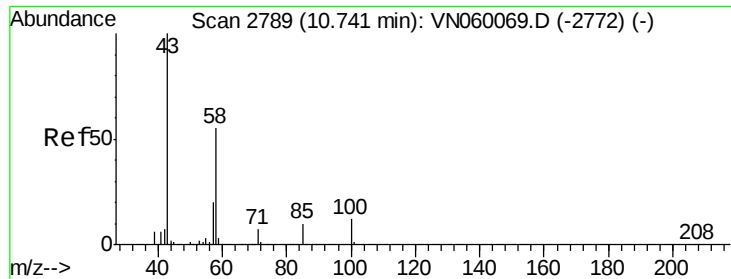
Tot Ion: 76 Resp: 67659
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.459 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 63 Resp: 137844
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.9 34.3

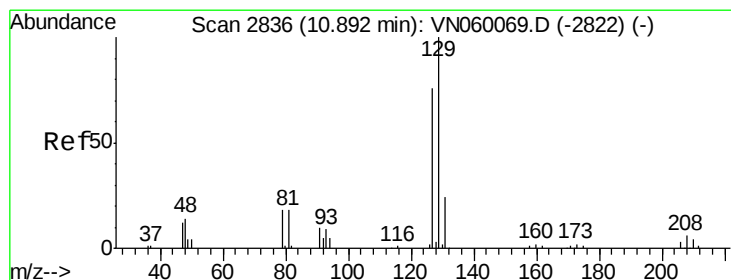
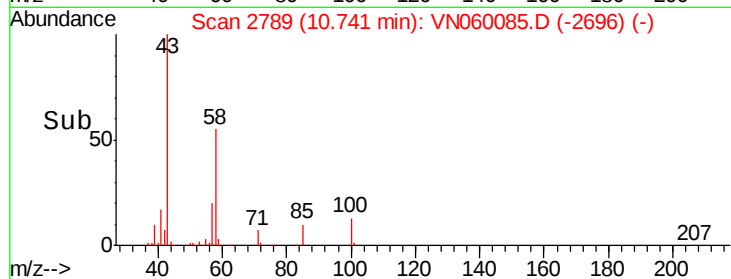
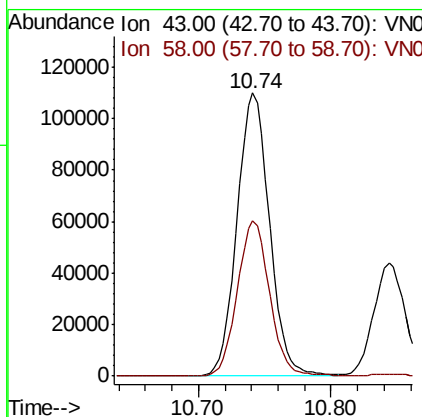
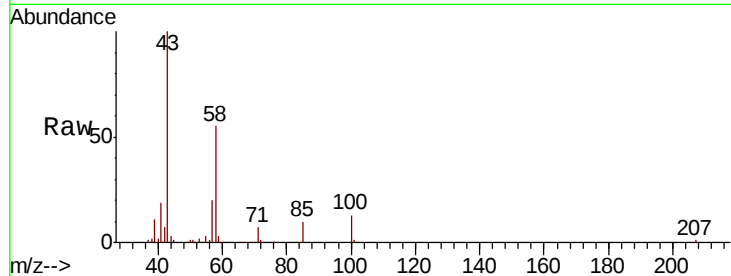




#59
2-Hexanone
Concen: 90.061 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

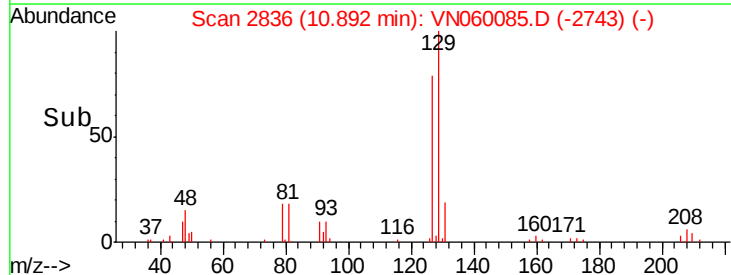
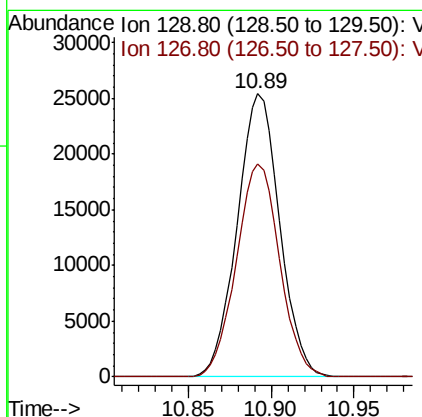
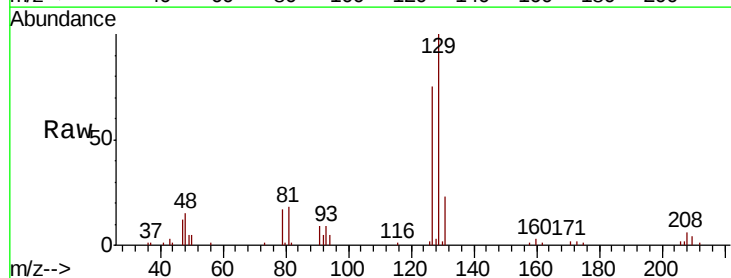
Instrument :
MSVOA_N
ClientSampleId :

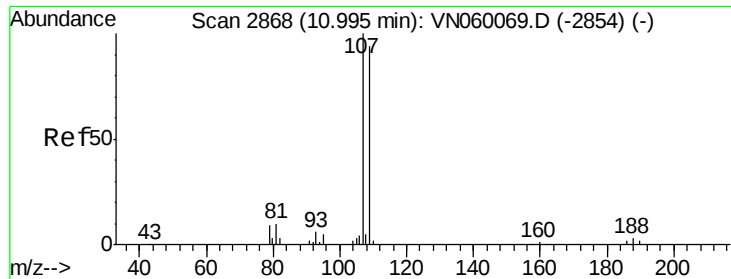
Tot Ion: 43 Resp: 187611
Ion Ratio Lower Upper
43 100
58 54.5 27.5 82.4



#60
Dibromochloromethane
Concen: 17.625 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 129 Resp: 45265
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1

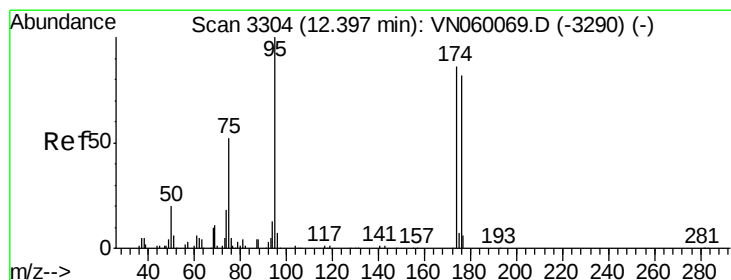
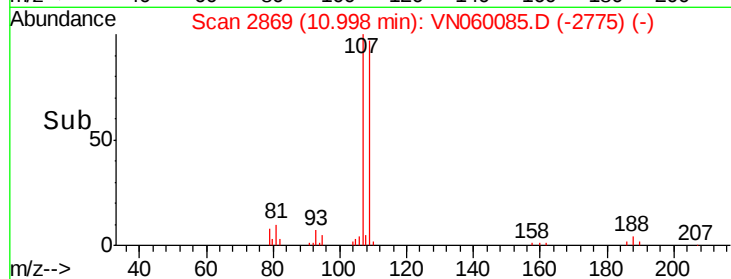
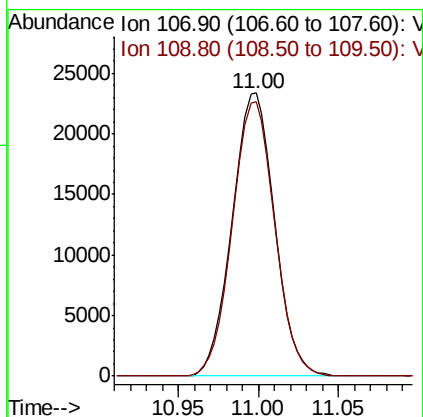
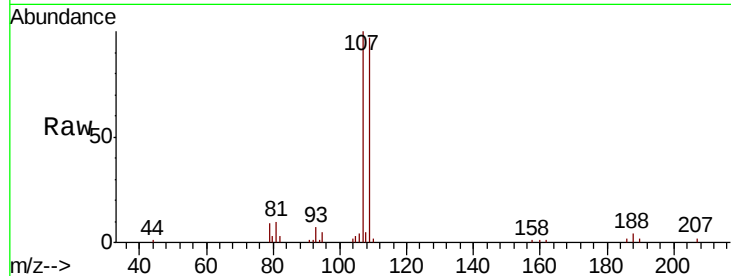




#61
 1,2-Dibromoethane
 Concen: 17.988 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

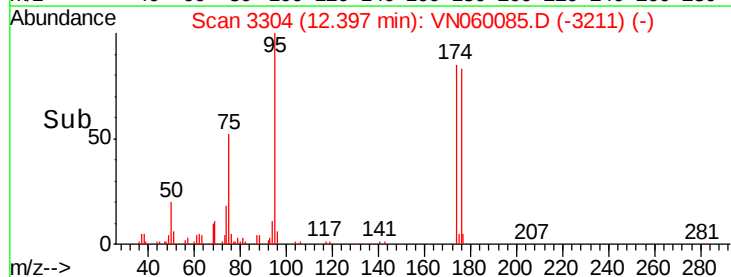
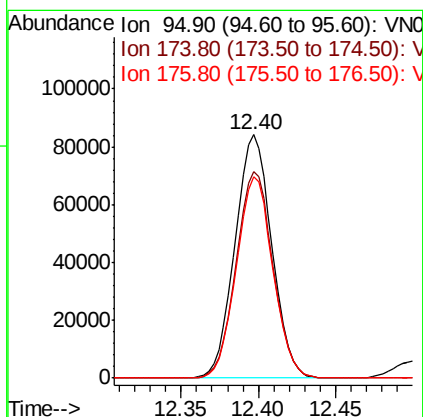
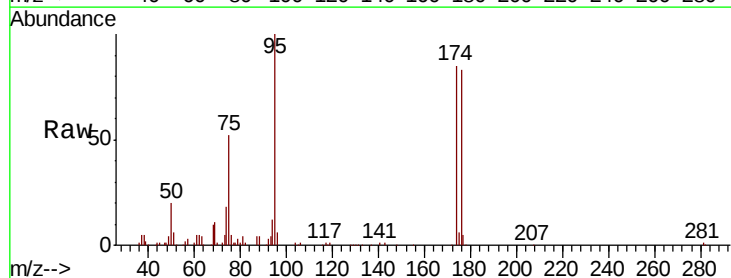
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 42200
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.893 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 95 Resp: 138699
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 169.8
 176 82.5 0.0 164.8

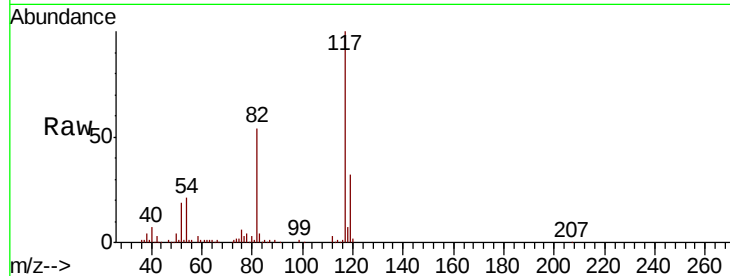




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.4	65.0
119	31.7	25.8	38.6

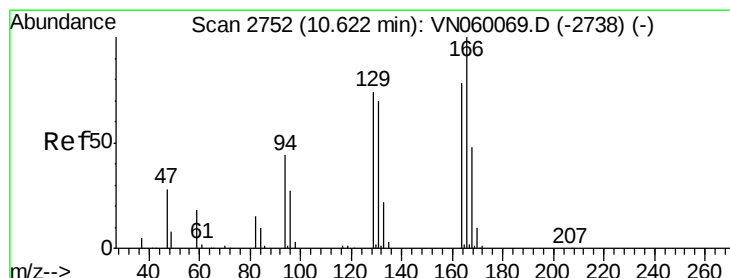
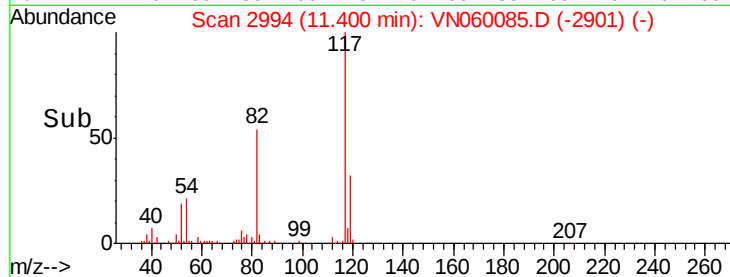
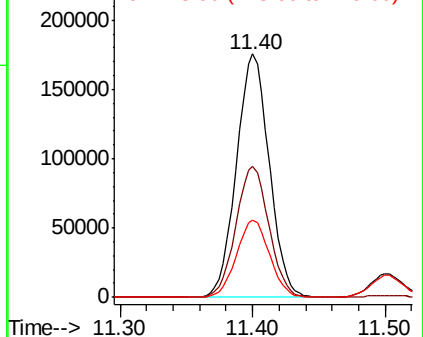


Abundance

Ion 116.90 (116.60 to 117.60): V

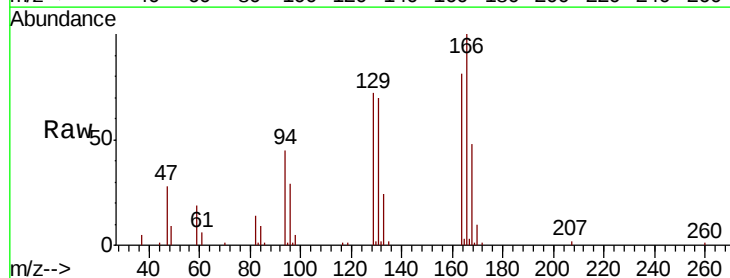
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.785 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	101.9	152.9
129	88.9	75.4	113.0
131	85.7	71.4	107.2



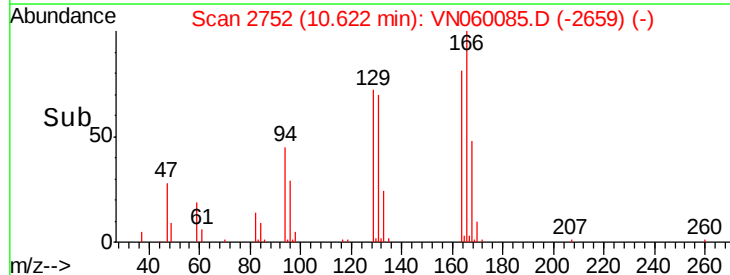
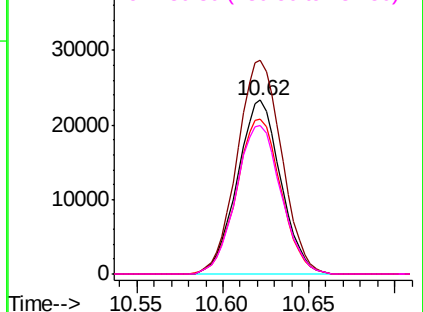
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

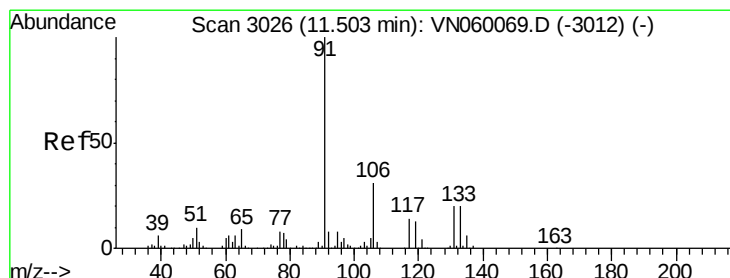
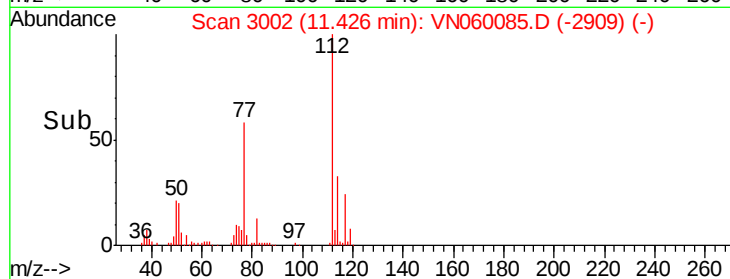
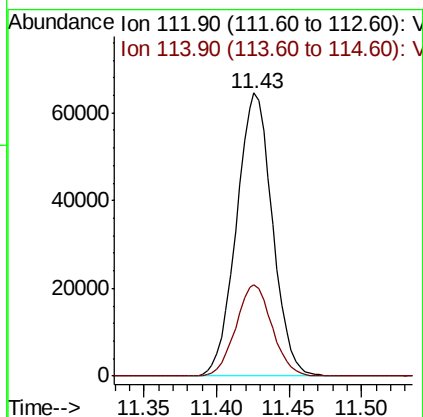
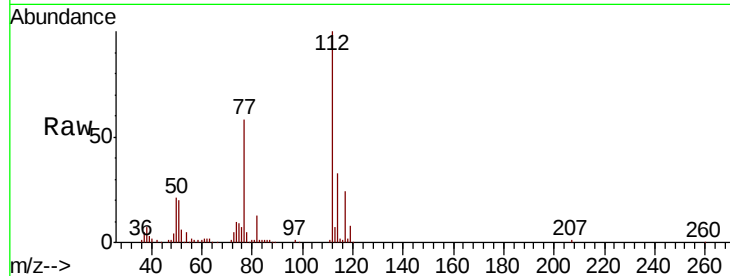




#65
Chlorobenzene
Concen: 18.057 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

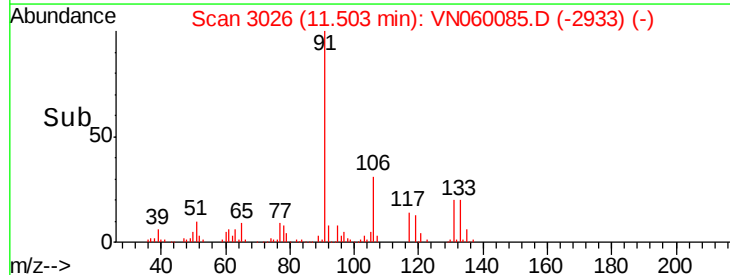
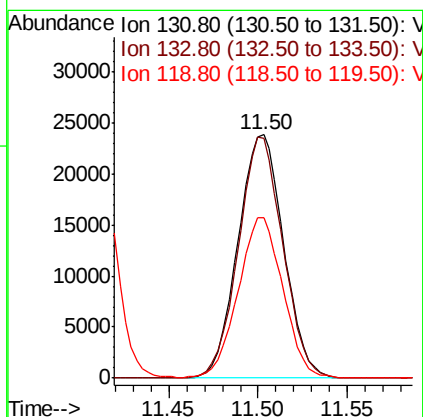
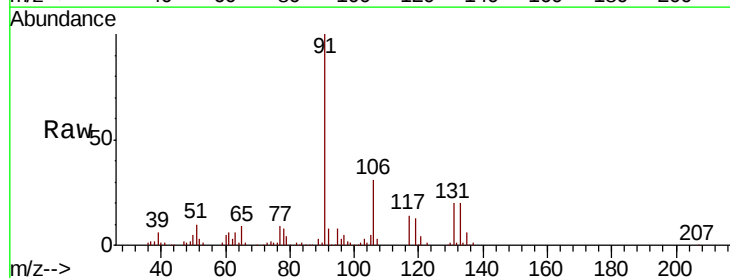
Instrument :
MSVOA_N
ClientSampleId :

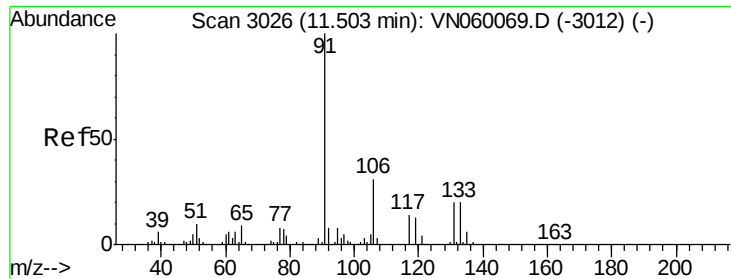
Tot Ion:112 Resp: 110972
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.300 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion:131 Resp: 42545
Ion Ratio Lower Upper
131 100
133 96.8 47.9 143.7
119 64.9 32.6 97.7





#67

Ethyl Benzene

Concen: 18.055 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

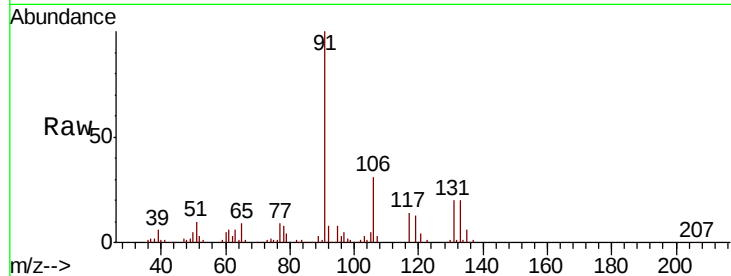
ClientSampleId :

Tot Ion: 91 Resp: 200121

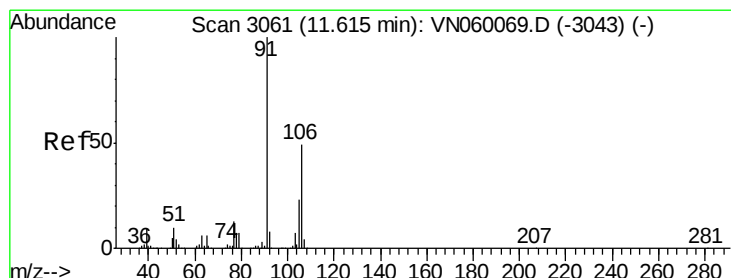
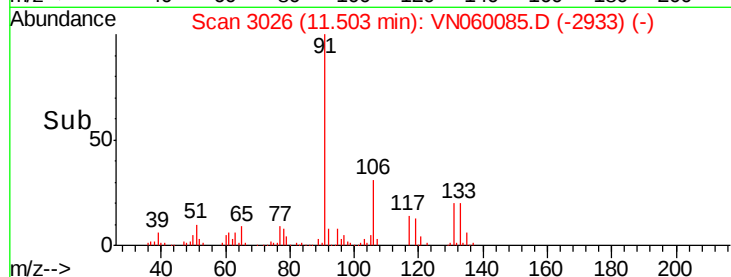
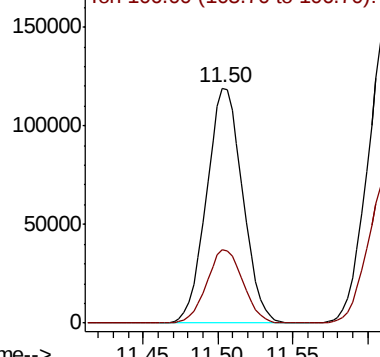
Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)



#68

m/p-Xylenes

Concen: 36.071 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060085.D

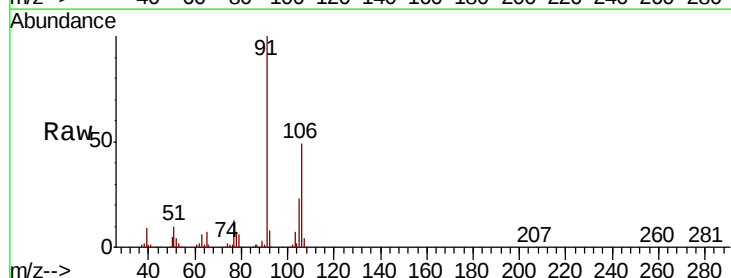
Acq: 13 Feb 2020 11:24

Tgt Ion: 106 Resp: 150060

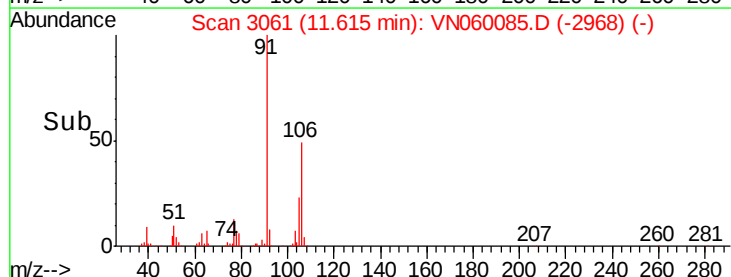
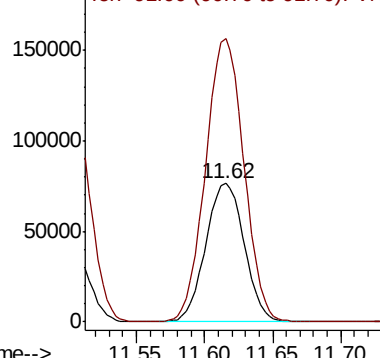
Ion Ratio Lower Upper

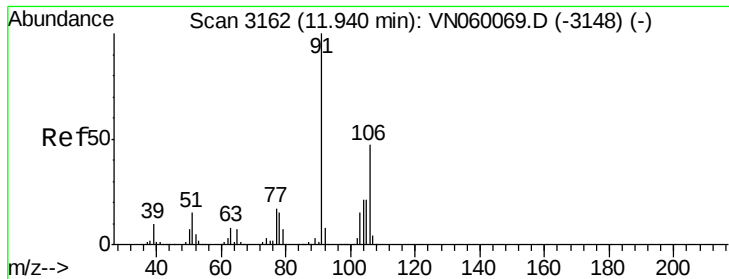
106 100

91 203.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

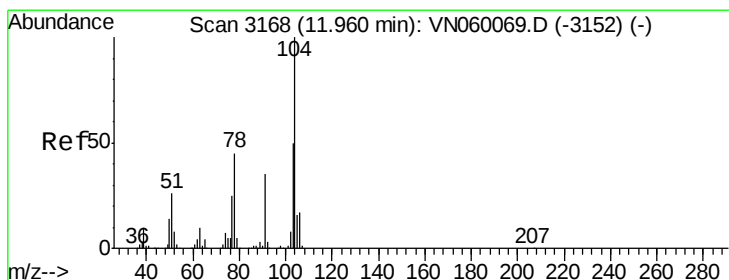
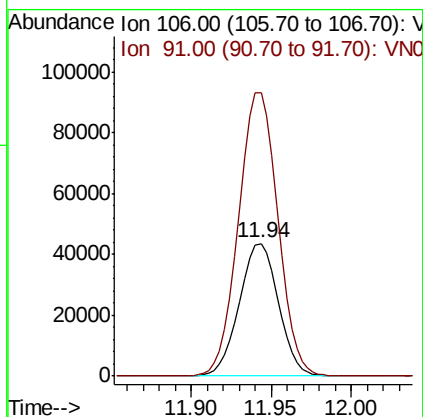
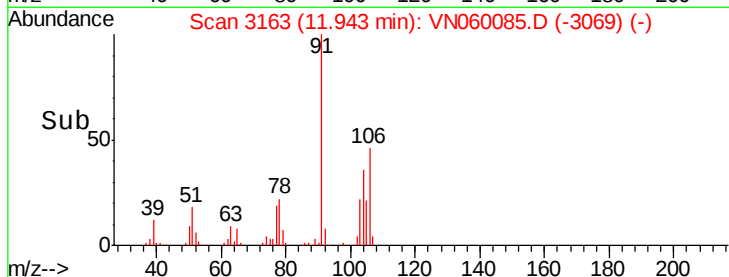
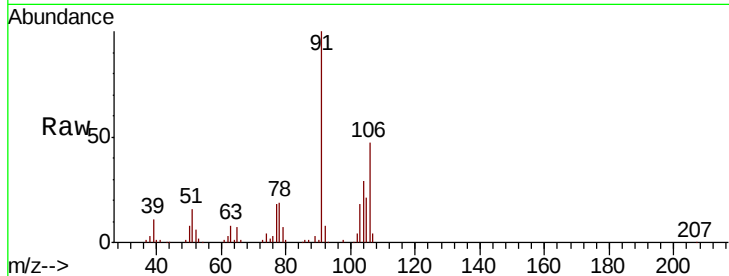




#69
o-Xylene
Concen: 18.179 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

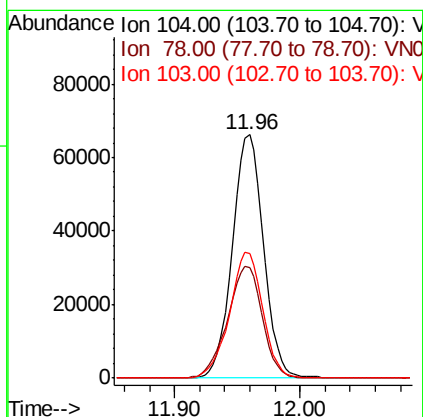
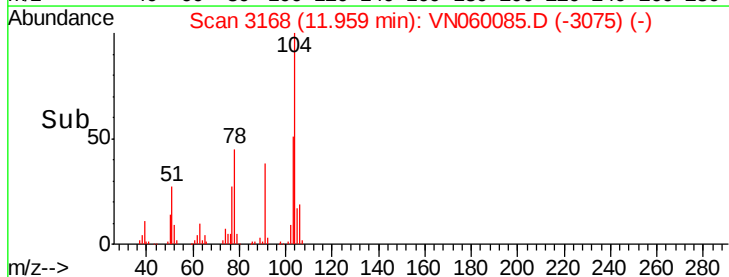
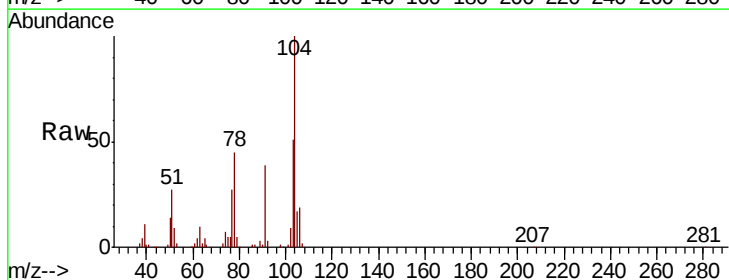
Instrument :
MSVOA_N
ClientSampled :

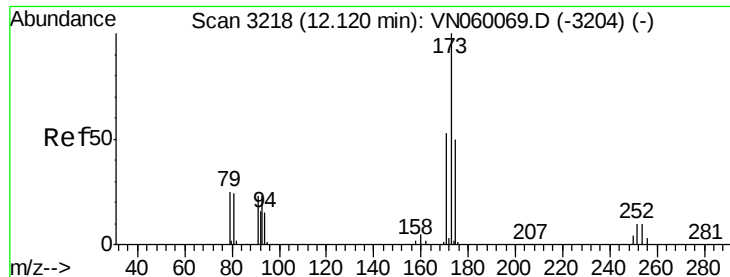
Tot Ion:106 Resp: 72815
Ion Ratio Lower Upper
106 100
91 214.5 107.2 321.6



#70
Styrene
Concen: 17.741 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion:104 Resp: 114590
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.2
103 55.1 44.3 66.5





#71

Bromoform

Concen: 17.975 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

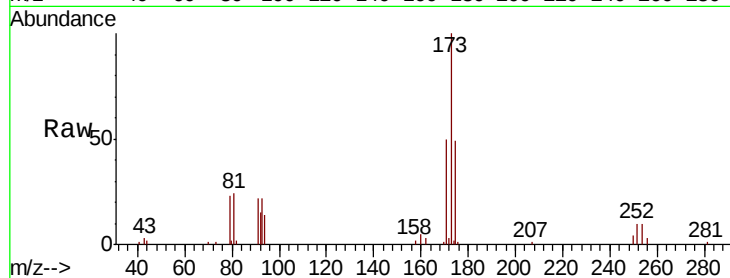
Tot Ion:173 Resp: 33612

Ion Ratio Lower Upper

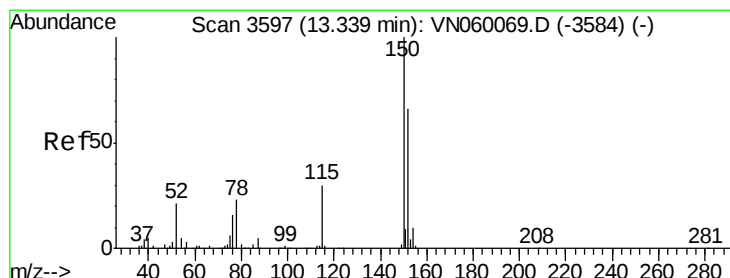
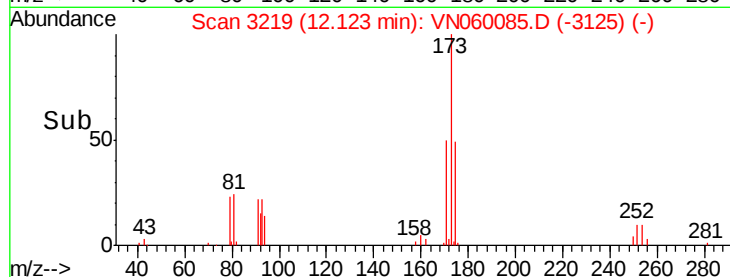
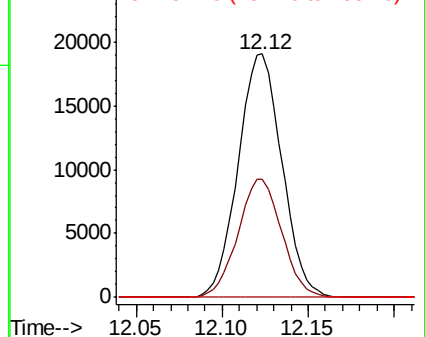
173 100

175 48.5 24.9 74.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

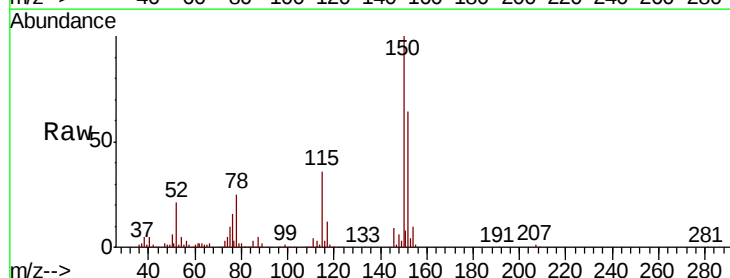
Tgt Ion:152 Resp: 146468

Ion Ratio Lower Upper

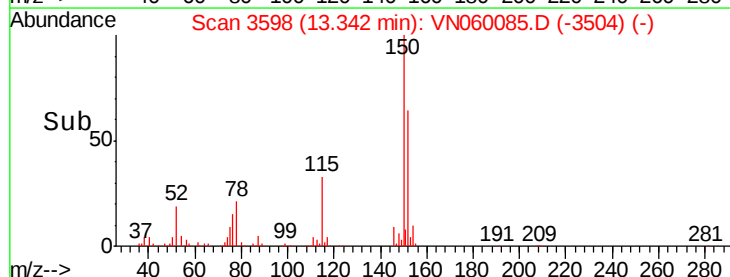
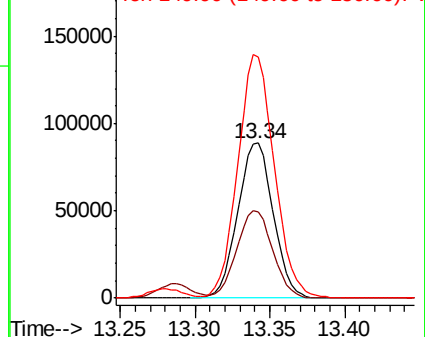
152 100

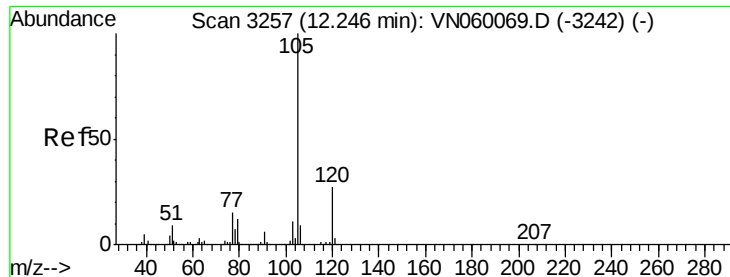
115 57.4 28.9 86.8

150 162.0 0.0 342.4



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: 18.016 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

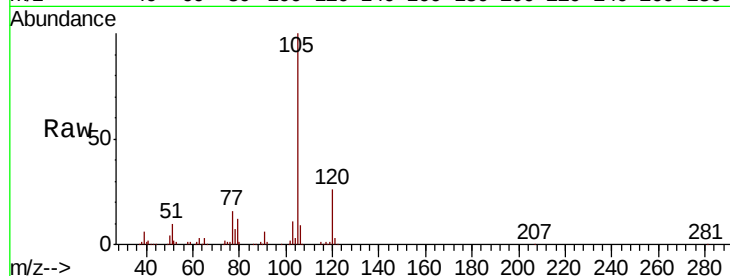
ClientSampleId :

Tot Ion: 105 Resp: 197047

Ion Ratio Lower Upper

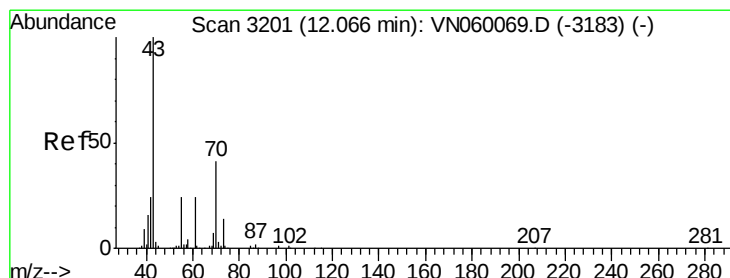
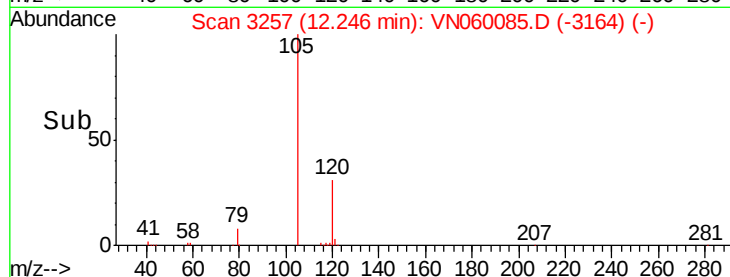
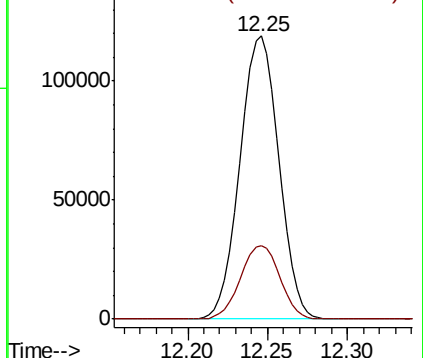
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.505 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Tgt Ion: 43 Resp: 72982

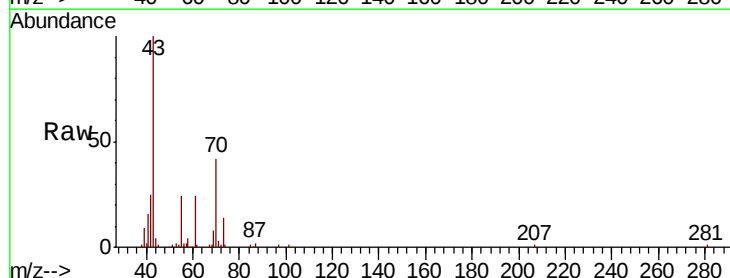
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.3 18.8 28.2

61 23.3 19.2 28.8

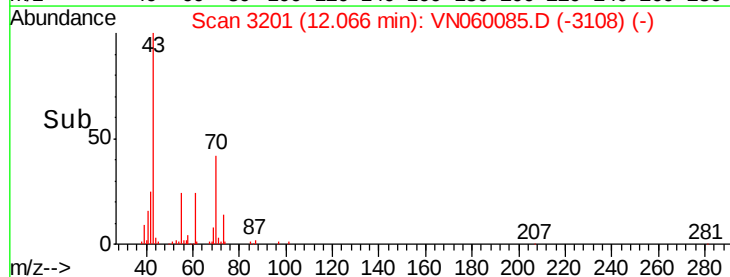
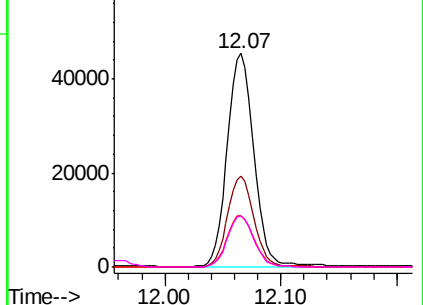


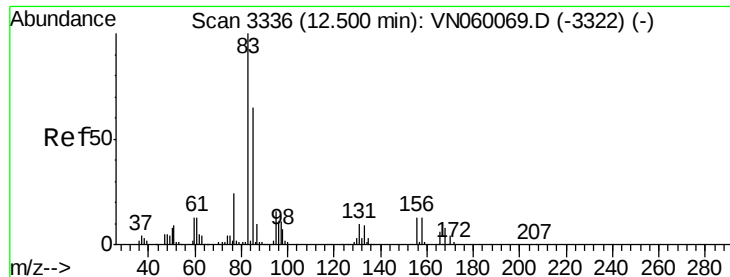
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

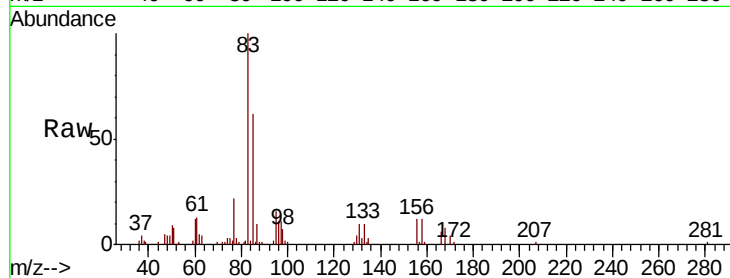
Tot Ion: 83 Resp: 59471

Ion Ratio Lower Upper

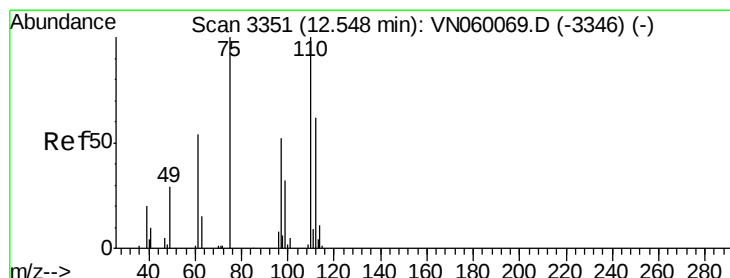
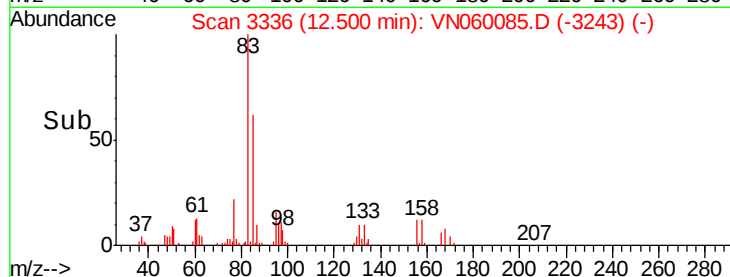
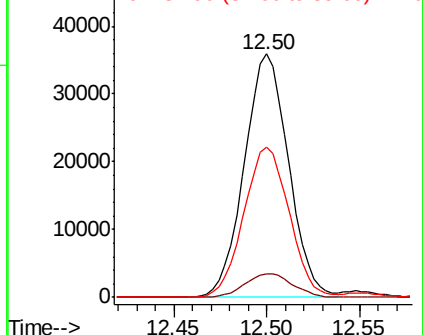
83 100

131 10.4 5.2 15.6

85 63.4 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 27.934 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060085.D

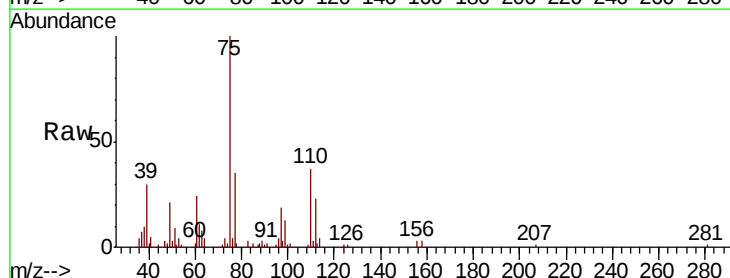
Acq: 13 Feb 2020 11:24

Tgt Ion: 75 Resp: 78277

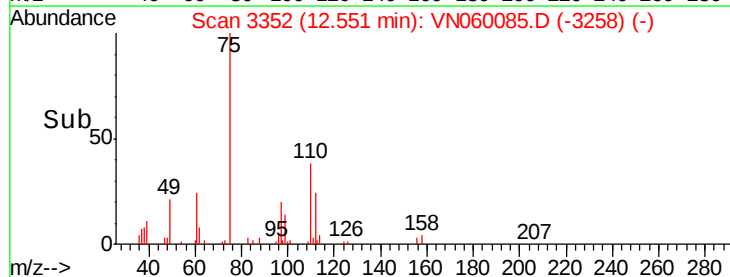
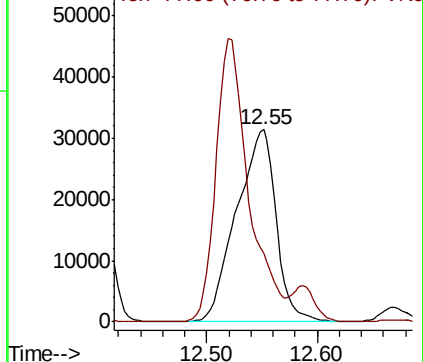
Ion Ratio Lower Upper

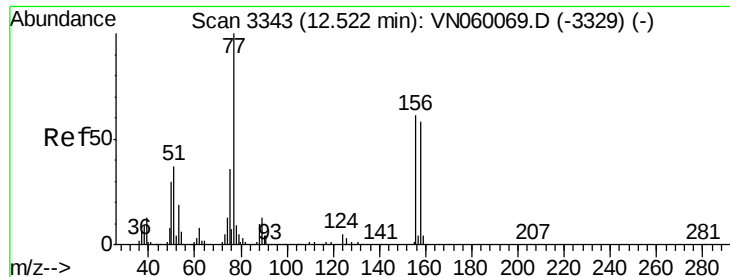
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.962 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

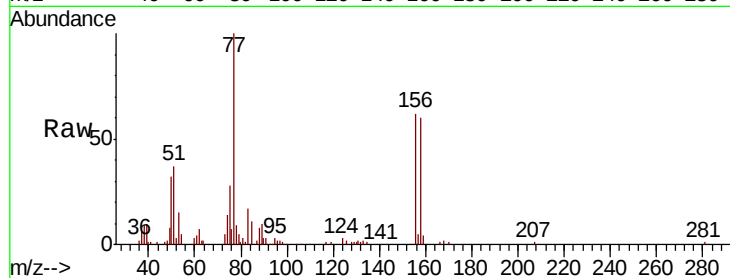
Tot Ion:156 Resp: 48755

Ion Ratio Lower Upper

156 100

77 195.4 98.7 296.1

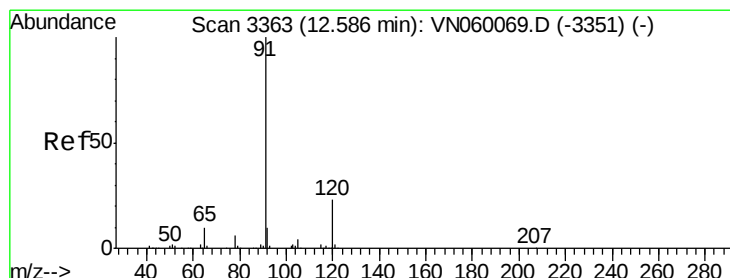
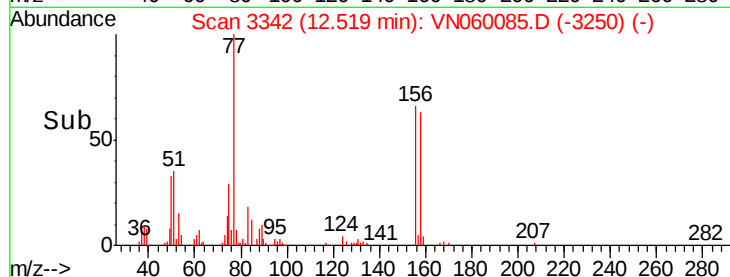
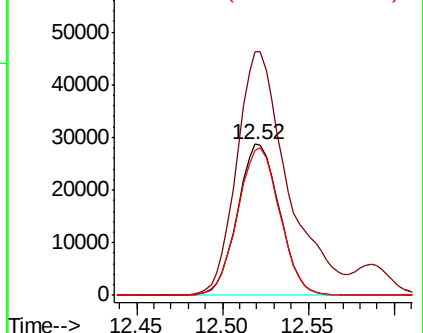
158 98.0 48.1 144.4



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: 17.888 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060085.D

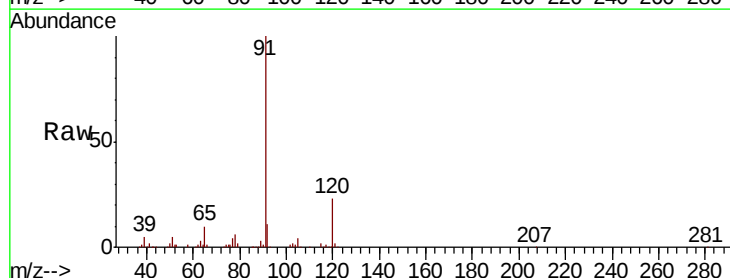
Acq: 13 Feb 2020 11:24

Tgt Ion: 91 Resp: 222909

Ion Ratio Lower Upper

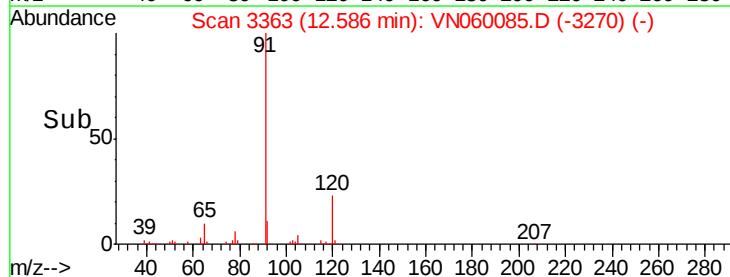
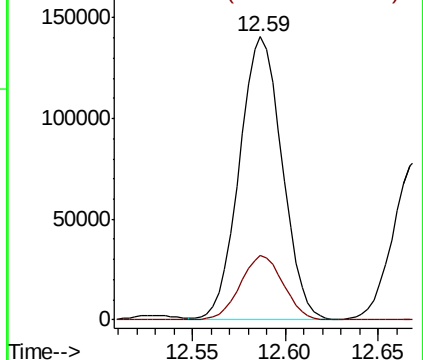
91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

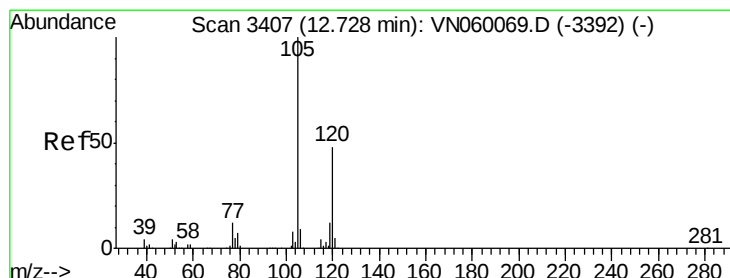
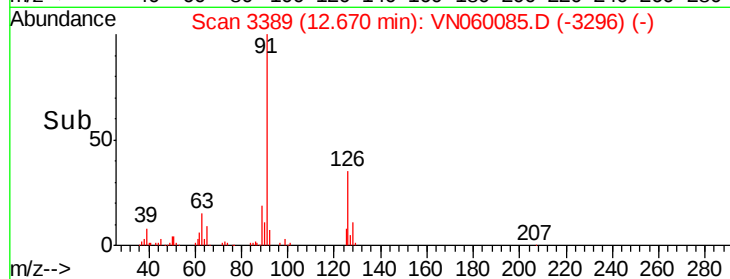
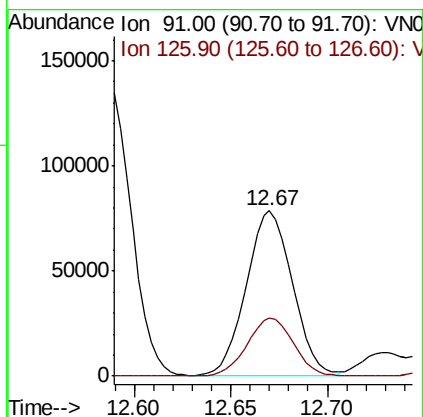
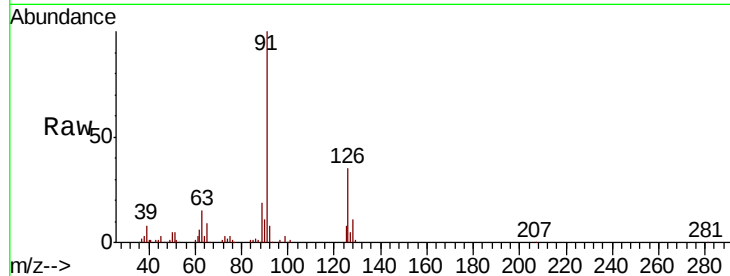




#79
 2-Chlorotoluene
 Concen: 17.870 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

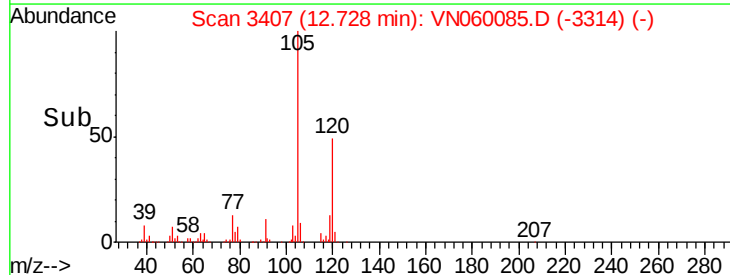
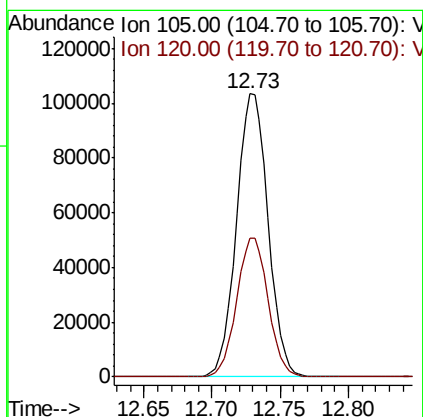
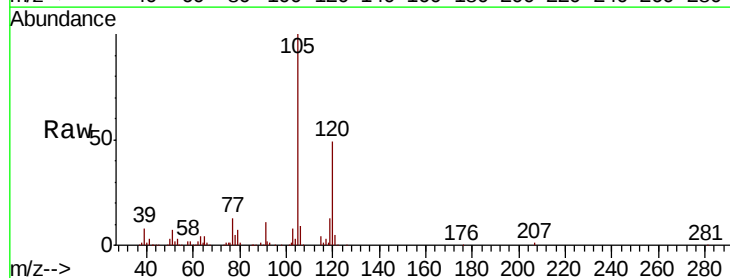
Instrument :
 MSVOA_N
 ClientSampled :

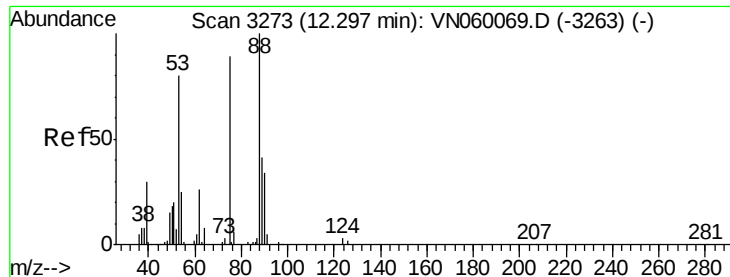
Tot Ion: 91 Resp: 130888
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 18.206 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion: 105 Resp: 165570
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9

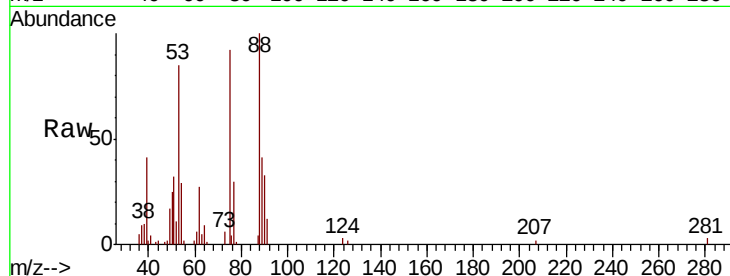




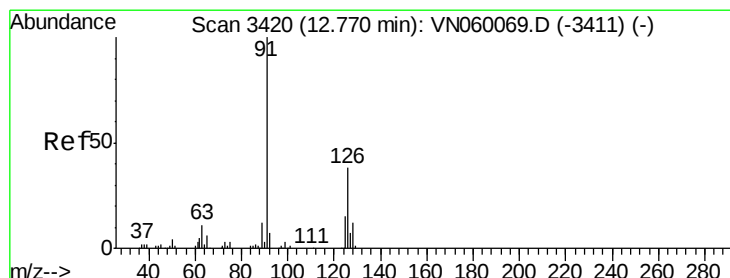
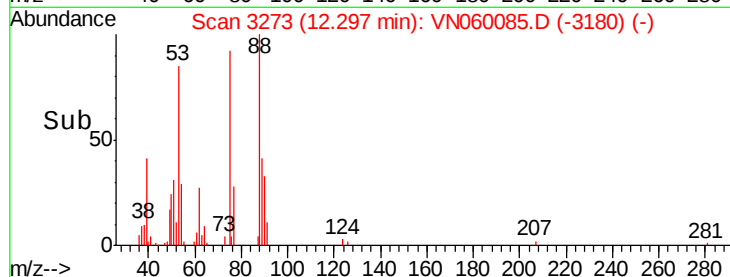
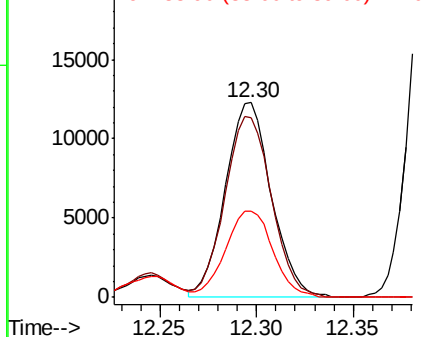
#81
trans-1,4-Dichloro-2-butene
Concen: 17.776 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 20344
Ion Ratio Lower Upper
75 100
53 94.0 73.9 110.9
89 45.8 37.0 55.4

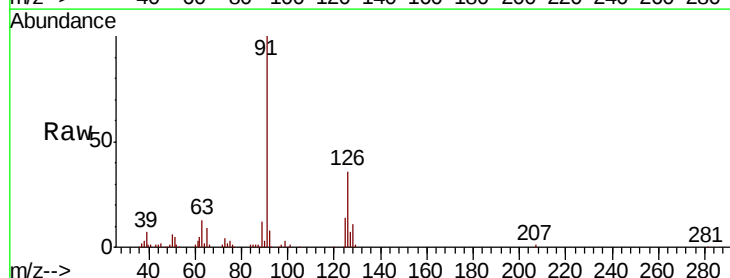


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

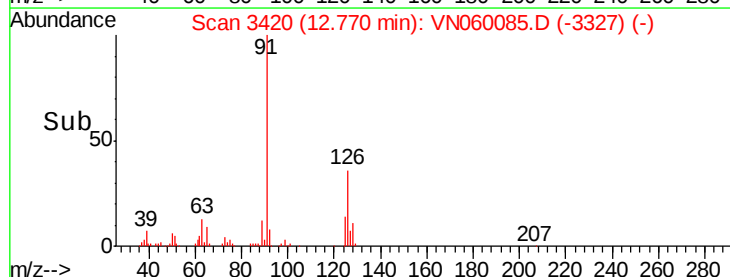
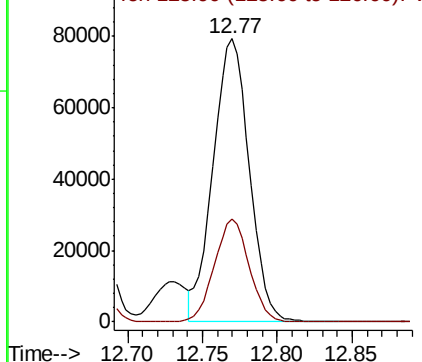


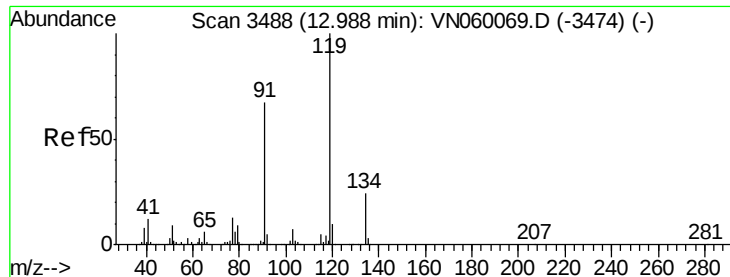
#82
4-Chlorotoluene
Concen: 17.802 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion: 91 Resp: 133772
Ion Ratio Lower Upper
91 100
126 35.0 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.411 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

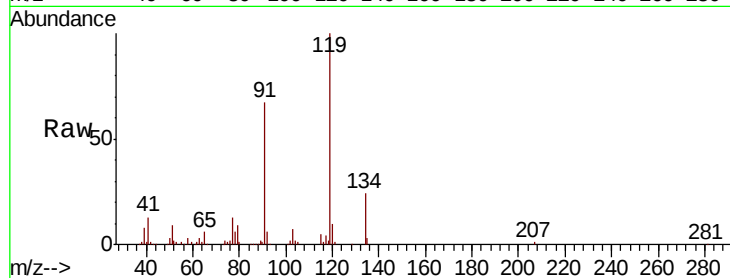
Tot Ion:119 Resp: 140063

Ion Ratio Lower Upper

119 100

91 67.3 32.7 98.1

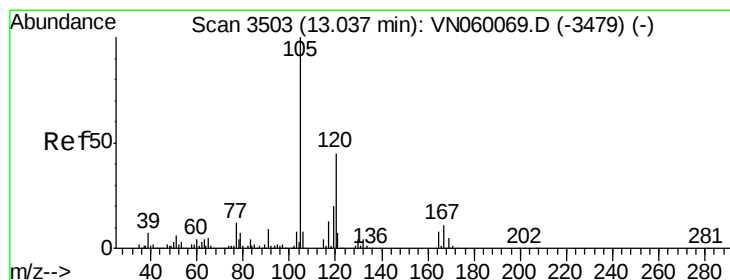
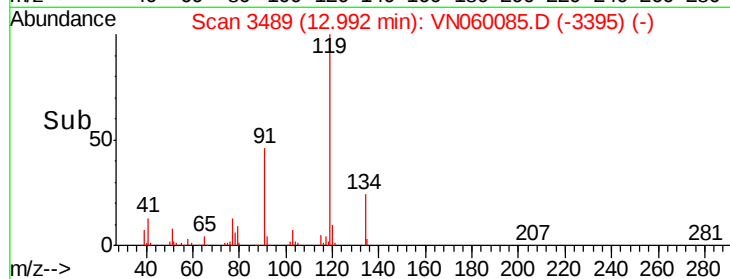
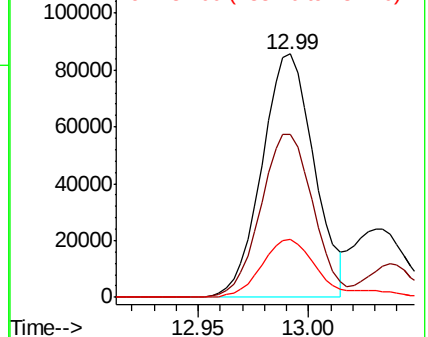
134 24.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.287 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060085.D

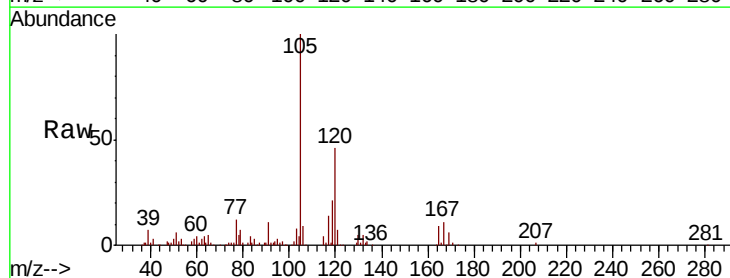
Acq: 13 Feb 2020 11:24

Tgt Ion:105 Resp: 164160

Ion Ratio Lower Upper

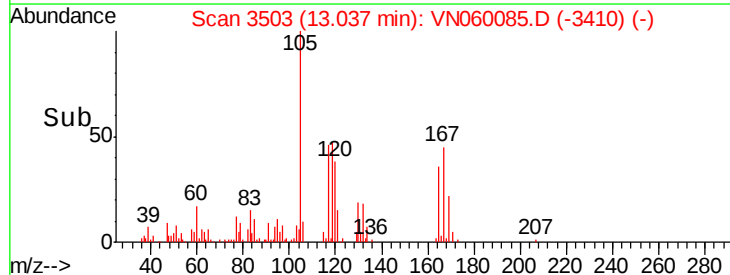
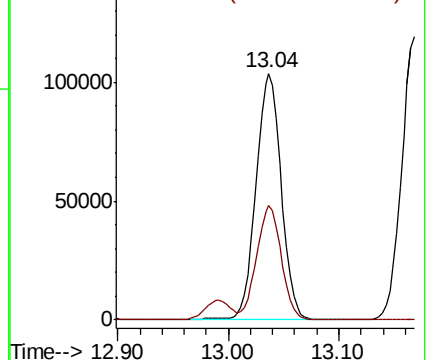
105 100

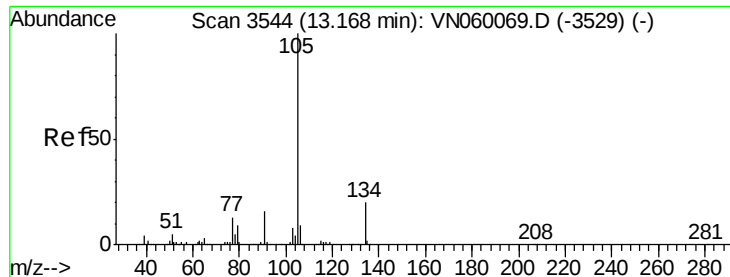
120 45.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

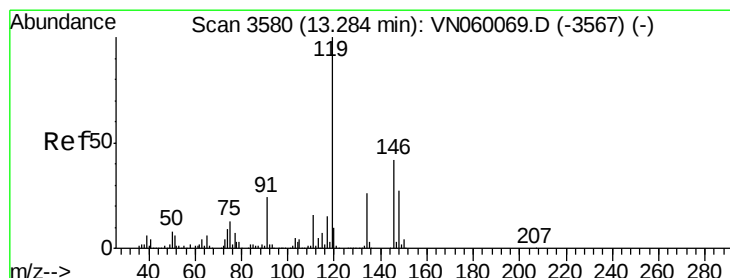
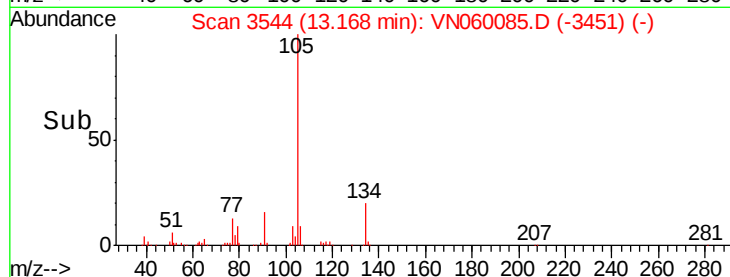
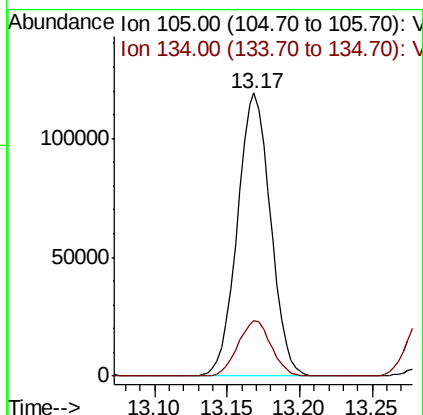
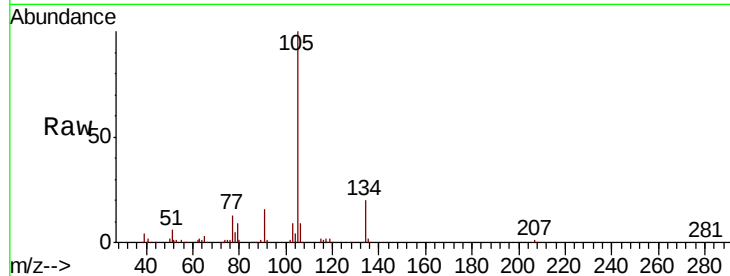




#85
 sec-Butylbenzene
 Concen: 17.743 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

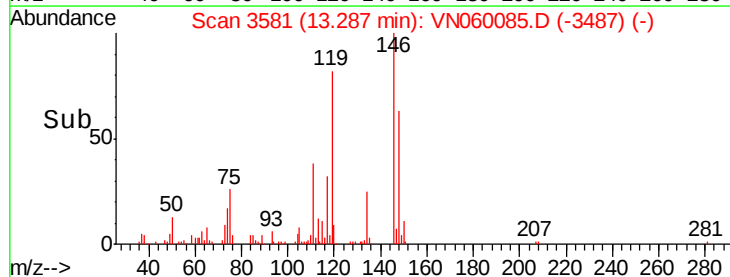
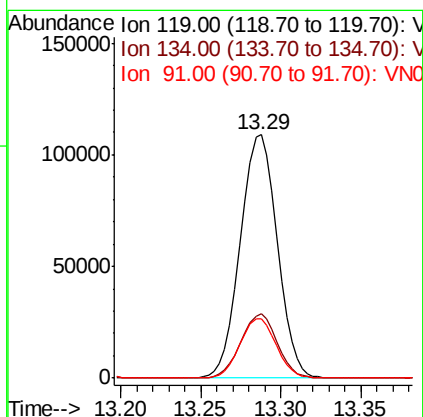
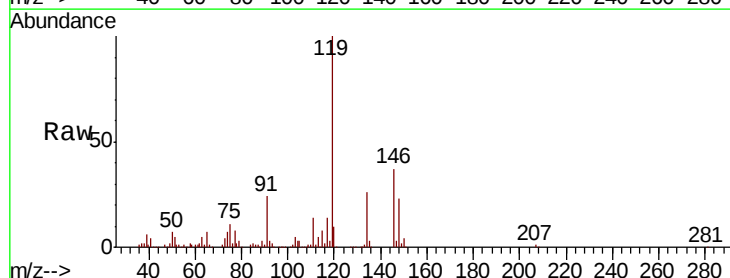
Instrument :
 MSVOA_N
 ClientSampleId :

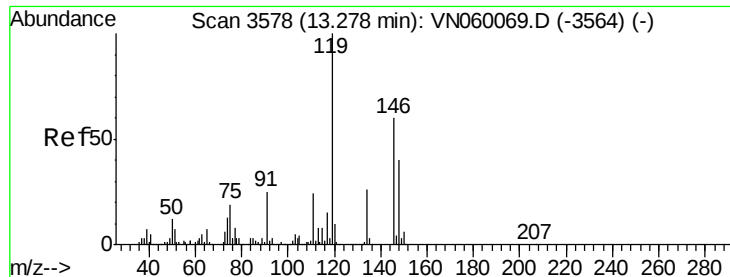
Tot Ion:105 Resp: 189040
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 17.806 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion:119 Resp: 171878
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 24.1 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 18.000 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

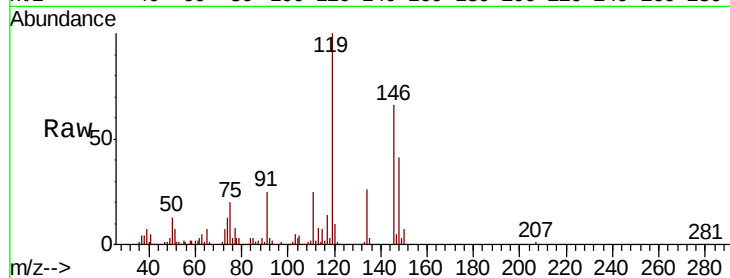
Tot Ion:146 Resp: 86483

Ion Ratio Lower Upper

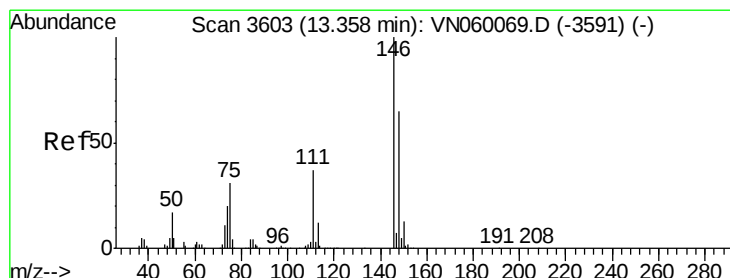
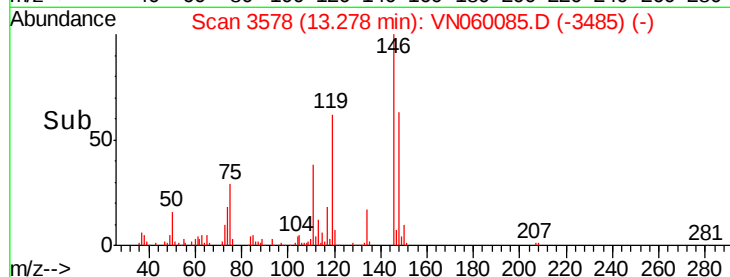
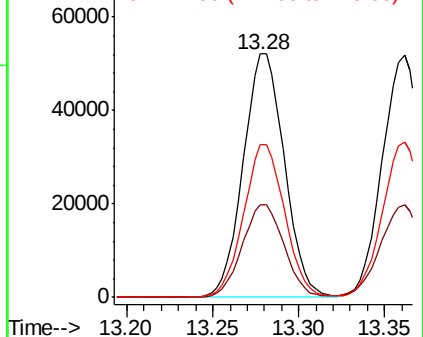
146 100

111 38.6 19.8 59.3

148 62.5 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 17.739 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

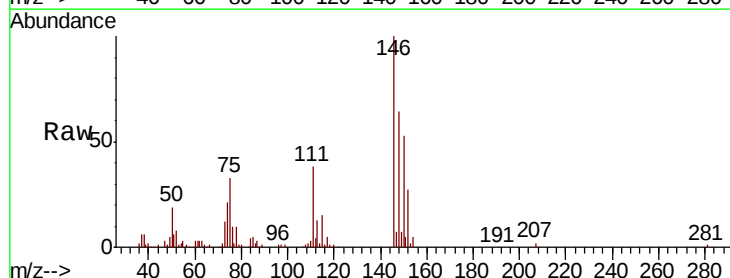
Tgt Ion:146 Resp: 85216

Ion Ratio Lower Upper

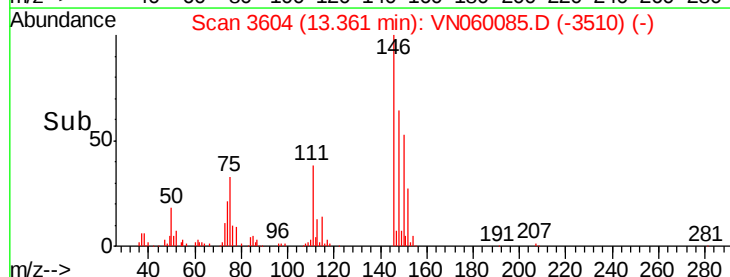
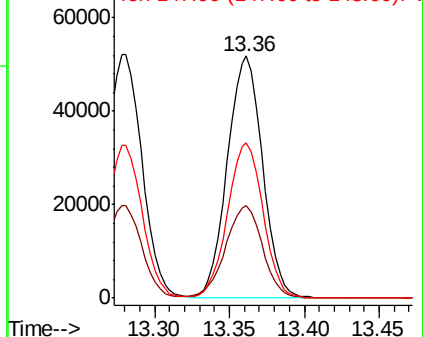
146 100

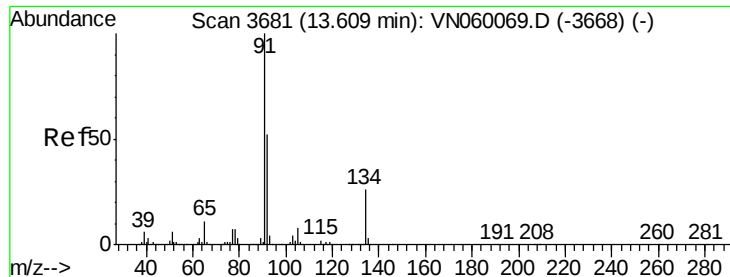
111 40.2 18.9 56.5

148 64.6 32.0 96.0



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





#89

n-Butylbenzene

Concen: 17.487 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

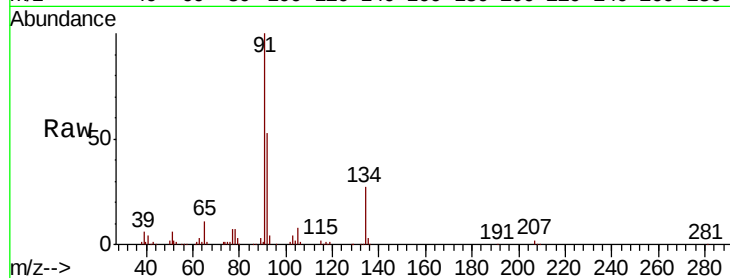
Tot Ion: 91 Resp: 148473

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.2

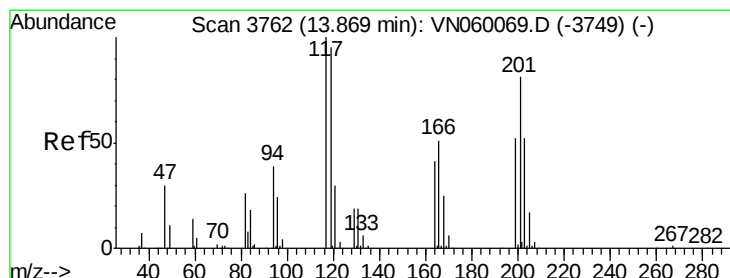
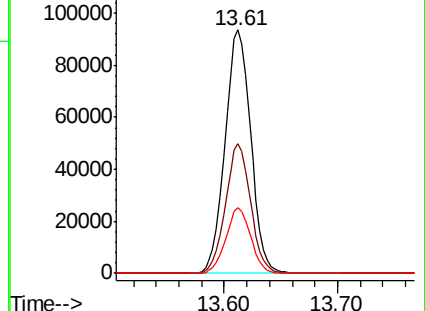
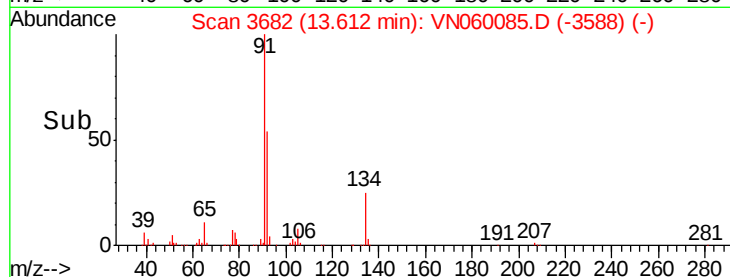
134 26.1 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.384 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060085.D

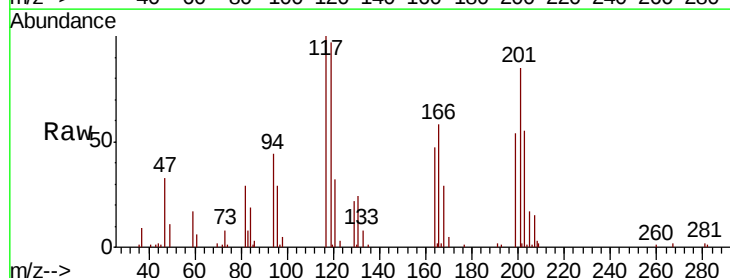
Acq: 13 Feb 2020 11:24

Tgt Ion: 117 Resp: 31349

Ion Ratio Lower Upper

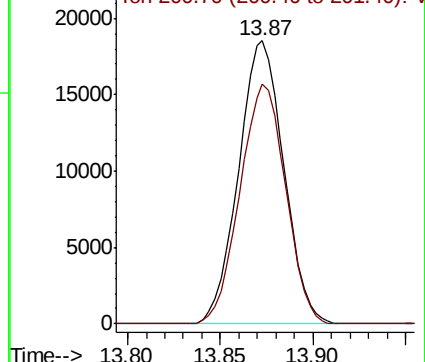
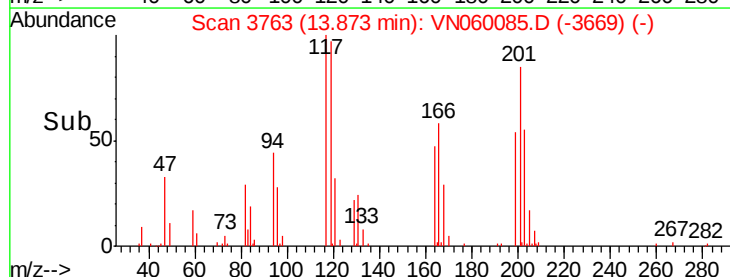
117 100

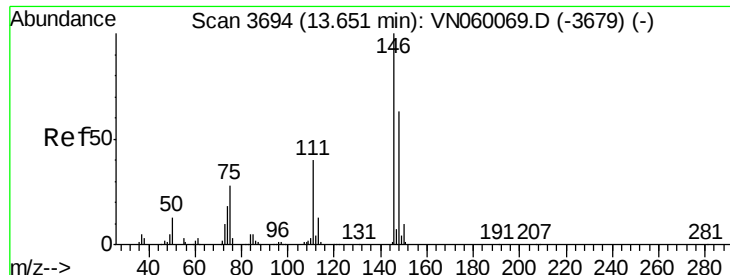
201 85.4 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 17.827 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

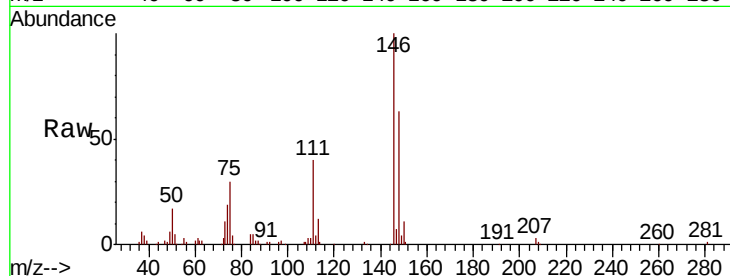
Tot Ion:146 Resp: 83822

Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.2

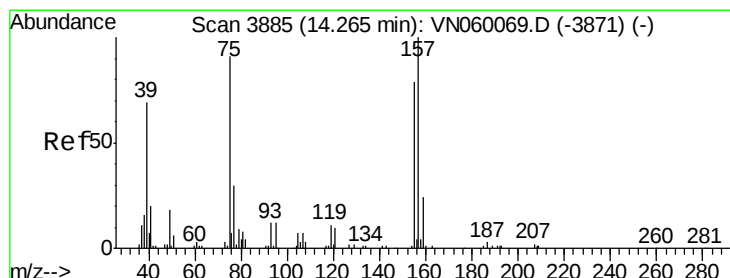
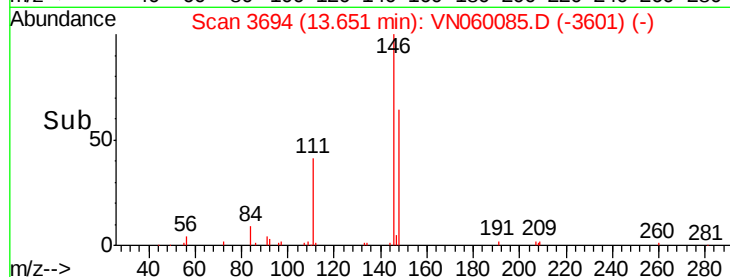
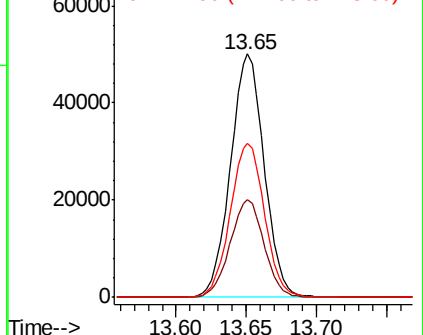
148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.863 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060085.D

Acq: 13 Feb 2020 11:24

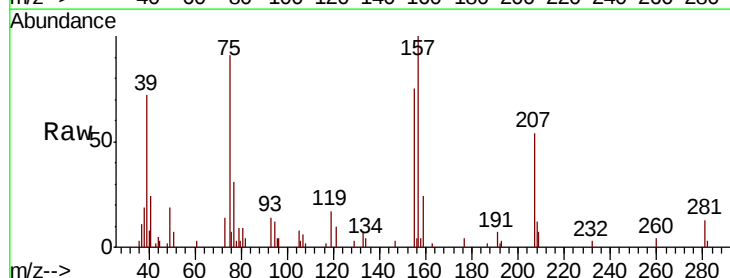
Tgt Ion: 75 Resp: 12289

Ion Ratio Lower Upper

75 100

155 82.0 43.0 129.0

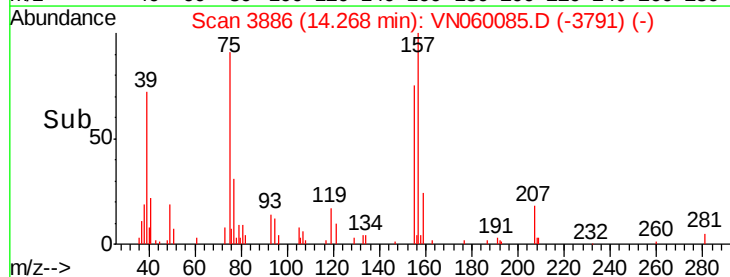
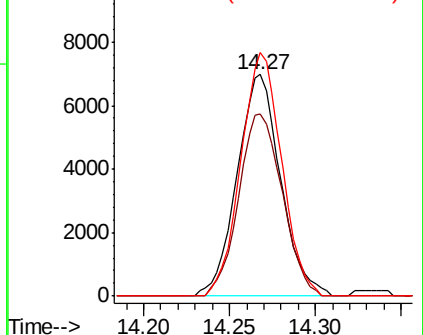
157 102.8 54.9 164.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

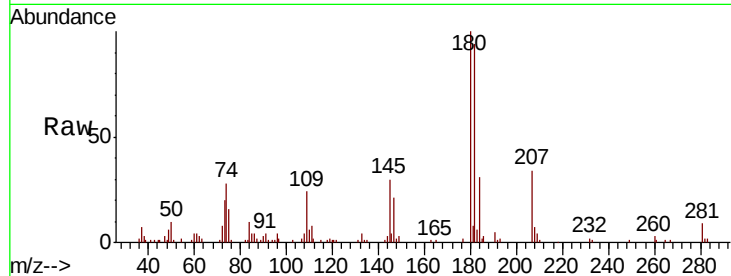




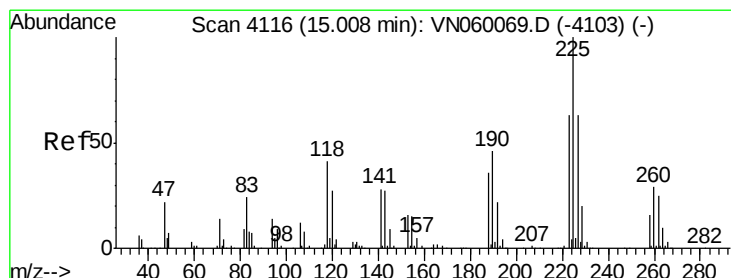
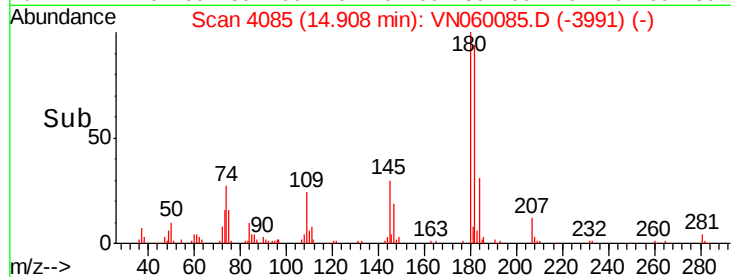
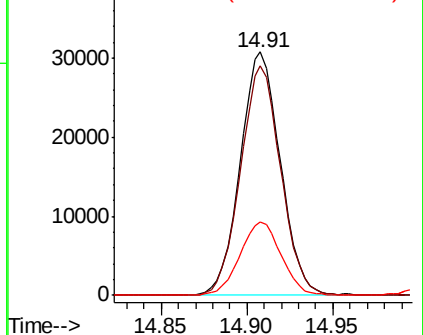
#93
 1,2,4-Trichlorobenzene
 Concen: 17.992 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 49710
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.8
 145 30.8 15.2 45.5

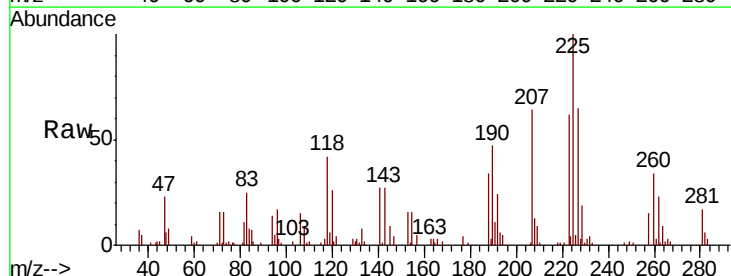


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

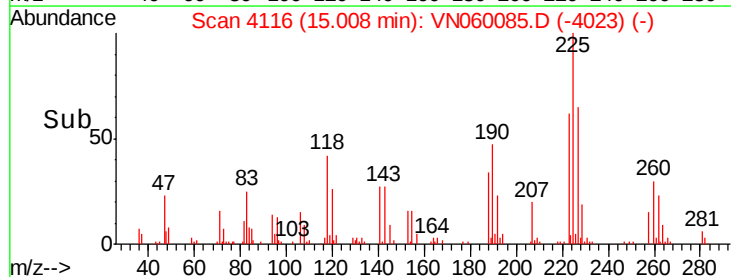
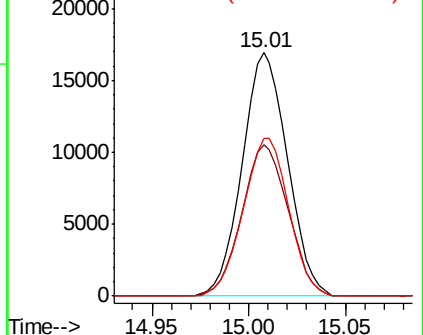


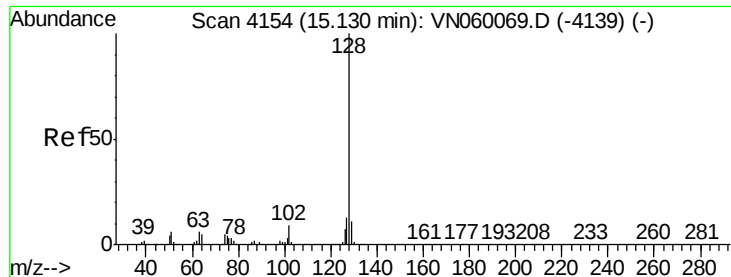
#94
 Hexachlorobutadiene
 Concen: 17.063 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060085.D
 Acq: 13 Feb 2020 11:24

Tgt Ion:225 Resp: 27598
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.5 94.5
 227 65.2 31.8 95.4



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

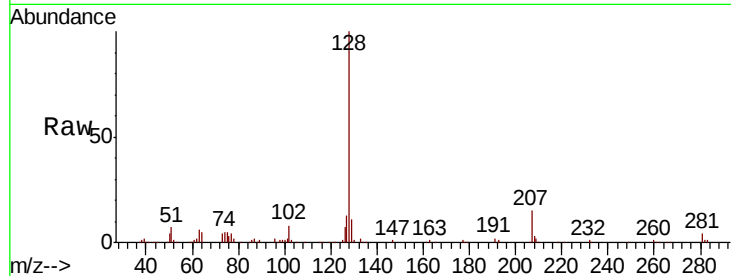




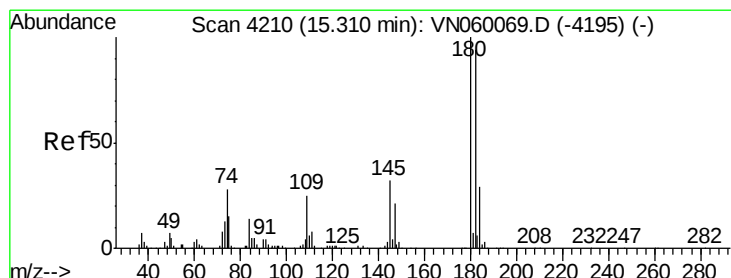
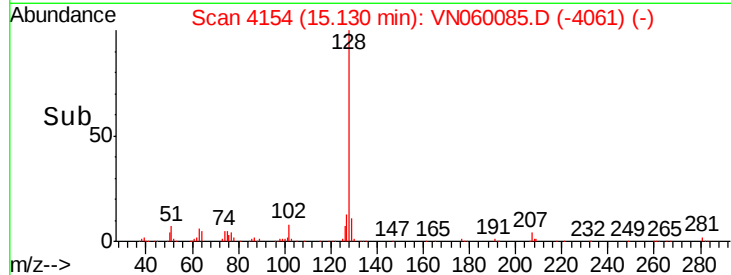
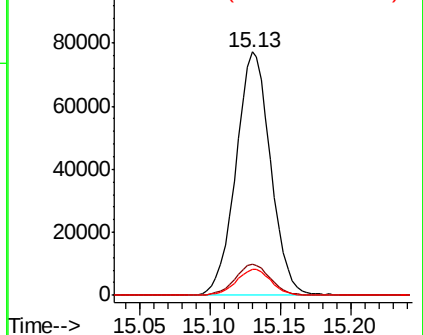
#95
Naphthalene
Concen: 17.846 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 133184
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 13.0

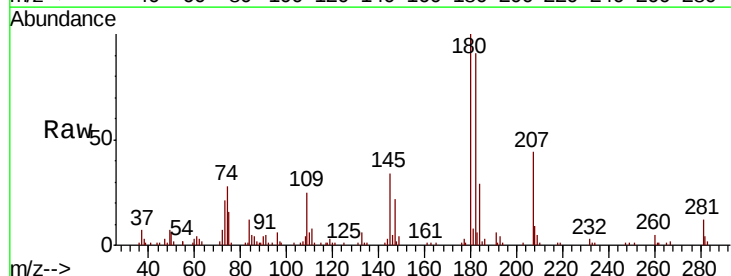


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.690 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060085.D
Acq: 13 Feb 2020 11:24

Tgt Ion:180 Resp: 48672
Ion Ratio Lower Upper
180 100
182 93.9 47.5 142.5
145 33.3 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

