

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060037.D
 Acq On : 10 Feb 2020 11:46
 Operator : JC/MD
 Sample : VN0210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	173563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	272889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	250972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118354	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109191	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
35) Dibromofluoromethane	7.56	113	88384	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	10.08	98	321336	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	119988	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	29817	14.197	ug/l	100
3) Chloromethane	2.04	50	32691	16.452	ug/l	100
4) Vinyl Chloride	2.17	62	40055	17.618	ug/l	96
5) Bromomethane	2.55	94	24652	17.767	ug/l	100
6) Chloroethane	2.69	64	19706	18.320	ug/l	100
7) Trichlorofluoromethane	3.00	101	49560	18.151	ug/l	100
8) Diethyl Ether	3.39	74	18527	19.335	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29902	19.677	ug/l	95
10) Methyl Iodide	3.93	142	37530	15.279	ug/l	95
11) Tert butyl alcohol	4.73	59	32559	100.343	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27034	17.025	ug/l	89
13) Acrolein	3.58	56	18081	78.719	ug/l	99
14) Allyl chloride	4.30	41	41058	19.183	ug/l #	86
15) Acrylonitrile	4.94	53	76415	103.241	ug/l	98
16) Acetone	3.78	43	88574	129.925	ug/l	96
17) Carbon Disulfide	4.03	76	62169	13.744	ug/l	99
18) Methyl Acetate	4.29	43	48540	21.560	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	107964	20.853	ug/l	95
20) Methylene Chloride	4.52	84	33664	18.489	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	30241	17.916	ug/l	91
22) Diisopropyl ether	5.91	45	101922	21.013	ug/l #	91
23) Vinyl Acetate	5.86	43	382781	101.929	ug/l	96
24) 1,1-Dichloroethane	5.82	63	59384	20.037	ug/l	97
25) 2-Butanone	6.80	43	113074	103.594	ug/l	92
26) 2,2-Dichloropropane	6.80	77	56282	19.753	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	38177	19.664	ug/l	91
28) Bromochloromethane	7.17	49	23129	19.526	ug/l #	77
29) Tetrahydrofuran	7.18	42	68613	101.598	ug/l	90
30) Chloroform	7.35	83	64277	20.932	ug/l	99
31) Cyclohexane	7.63	56	48934	17.159	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	56317	19.835	ug/l	96
36) 1,1-Dichloropropene	7.77	75	42998	18.094	ug/l	96
37) Ethyl Acetate	6.90	43	41202	18.486	ug/l	96
38) Carbon Tetrachloride	7.75	117	49313	19.076	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	51467	17.564	ug/l	91
40) Benzene	8.02	78	131875	18.607	ug/l	97
41) Methacrylonitrile	7.18	41	64892	59.108	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	52012	21.645	ug/l	97
43) Isopropyl Acetate	8.14	43	75835	19.781	ug/l #	95
44) Trichloroethene	8.82	130	38028	19.655	ug/l	93
45) 1,2-Dichloropropane	9.10	63	35185	20.063	ug/l	99
46) Dibromomethane	9.19	93	24957	20.173	ug/l	94
47) Bromodichloromethane	9.38	83	51408	20.621	ug/l	95
48) Methyl methacrylate	9.18	41	33889	19.762	ug/l	93
49) 1,4-Dioxane	9.18	88	13013	414.528	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	223473	100.837	ug/l	95
52) Toluene	10.14	92	87218	19.483	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57862	20.786	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	61810	21.103	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	36893	20.808	ug/l	97
56) Ethyl methacrylate	10.42	69	51792	19.117	ug/l	94
57) 1,3-Dichloropropane	10.70	76	60293	21.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	88176	108.056	ug/l	93
59) 2-Hexanone	10.74	43	167787	102.769	ug/l	97
60) Dibromochloromethane	10.89	129	42851	21.223	ug/l	98
61) 1,2-Dibromoethane	10.99	107	37584	20.224	ug/l	99
64) Tetrachloroethene	10.62	164	39349	19.237	ug/l	96
65) Chlorobenzene	11.43	112	95909	19.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38464	20.180	ug/l	98
67) Ethyl Benzene	11.50	91	168901	18.861	ug/l	99
68) m/p-Xylenes	11.62	106	127531	37.702	ug/l	93
69) o-Xylene	11.94	106	61962	18.711	ug/l	96
70) Styrene	11.96	104	99816	18.013	ug/l	96
71) Bromoform	12.12	173	30501	19.977	ug/l #	100
73) Isopropylbenzene	12.25	105	169445	19.521	ug/l	100
74) N-amyl acetate	12.07	43	63646	18.897	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52077	20.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	69402	34.844	ug/l #	100
77) Bromobenzene	12.52	156	42291	19.240	ug/l	88
78) n-propylbenzene	12.59	91	189732	19.475	ug/l	98
79) 2-Chlorotoluene	12.67	91	113893	19.651	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	139757	19.145	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17998	19.405	ug/l	98
82) 4-Chlorotoluene	12.77	91	116223	19.993	ug/l	97
83) tert-Butylbenzene	12.99	119	126741	20.075	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	139149	19.268	ug/l	98
85) sec-Butylbenzene	13.17	105	161517	19.472	ug/l	98
86) p-Isopropyltoluene	13.28	119	149314	19.454	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	75042	19.654	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	74775	19.631	ug/l	97
89) n-Butylbenzene	13.61	91	129564	19.798	ug/l	99
90) Hexachloroethane	13.87	117	28719	19.999	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	75613	20.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11272	19.600	ug/l	95

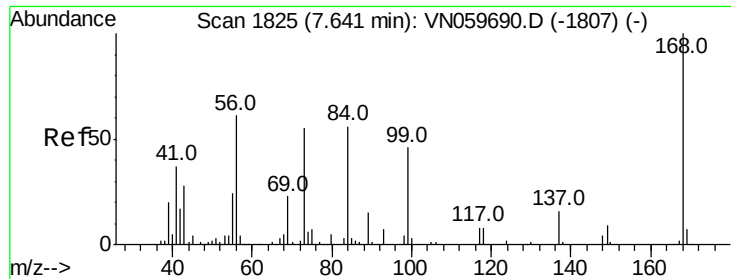
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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44213	19.493	ug/l	98
94) Hexachlorobutadiene	15.01	225	25309	20.249	ug/l	99
95) Naphthalene	15.13	128	123001	19.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45821	20.754	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: VN060037.D

Acq: 10 Feb 2020 11:46

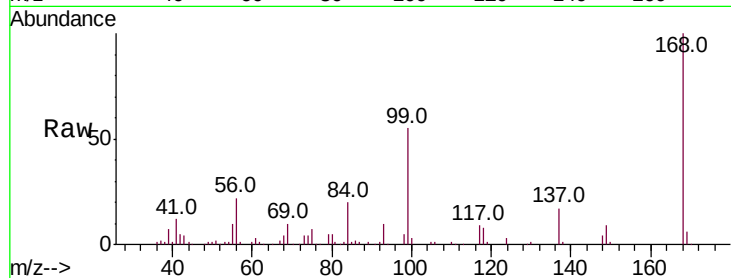
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 173563

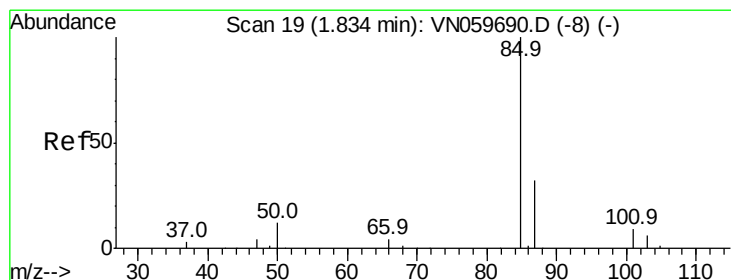
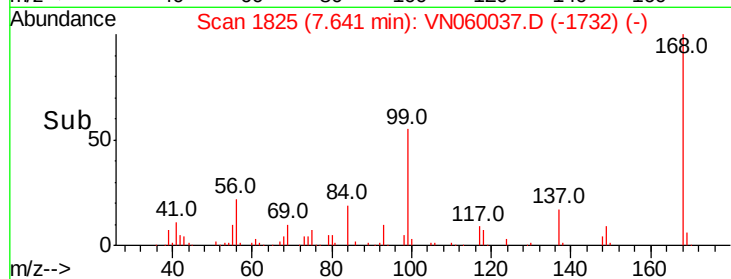
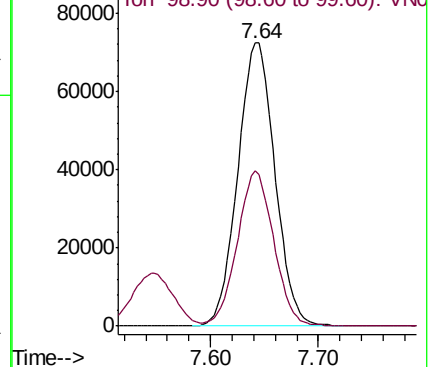
Ion Ratio Lower Upper

168 100

99 54.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 14.197 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060037.D

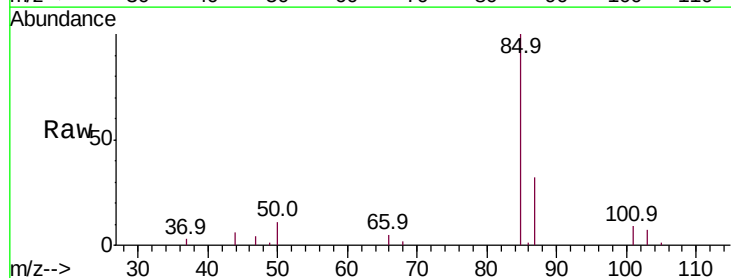
Acq: 10 Feb 2020 11:46

Tgt Ion: 85 Resp: 29817

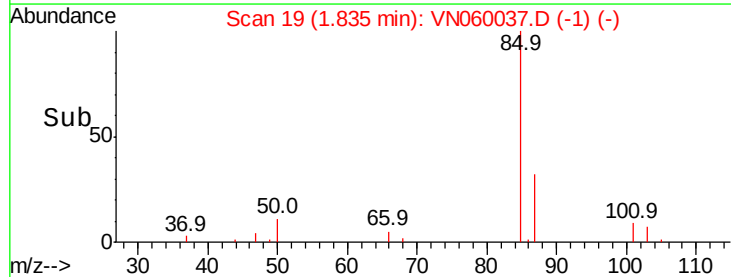
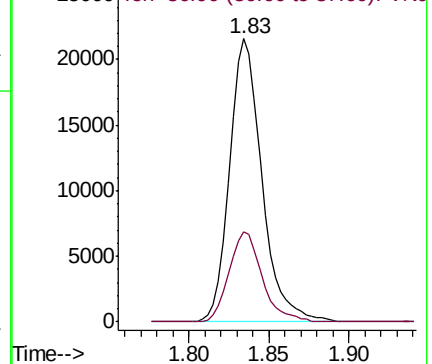
Ion Ratio Lower Upper

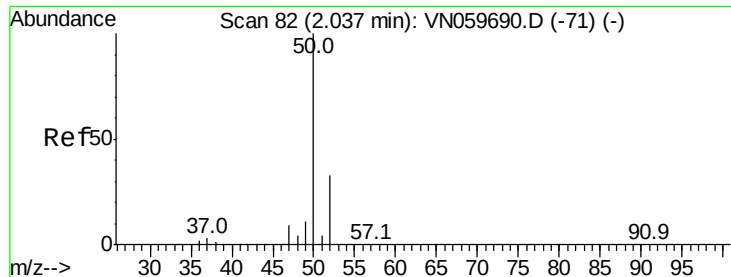
85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0
Ion 86.90 (86.60 to 87.60): VN0

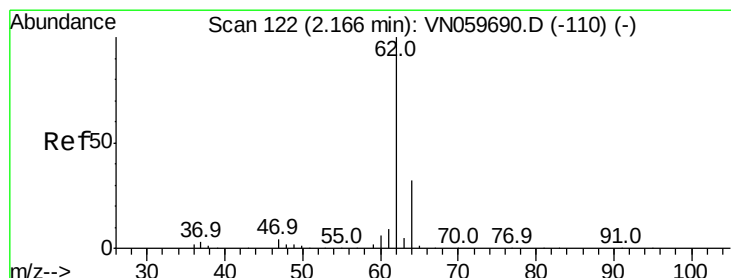
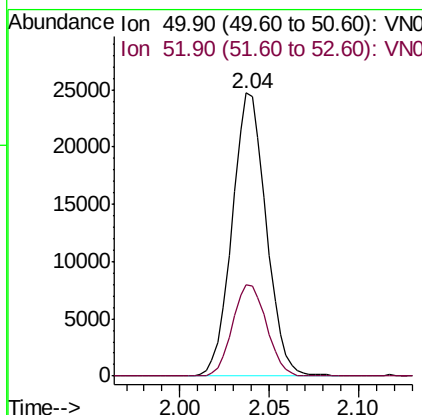
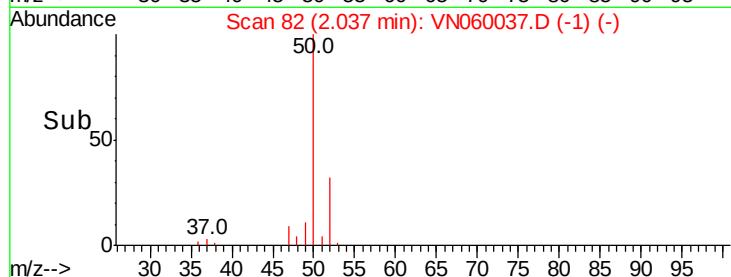
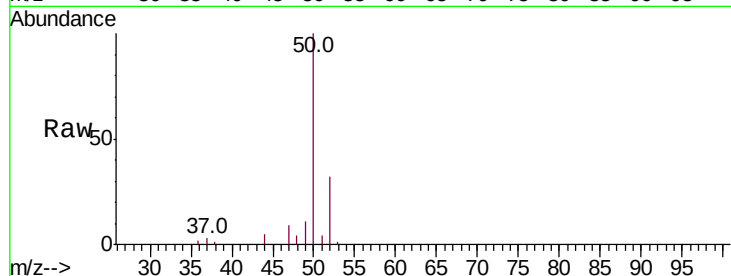




#3
Chloromethane
Concen: 16.452 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

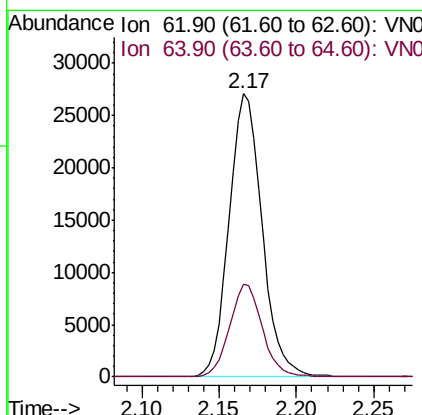
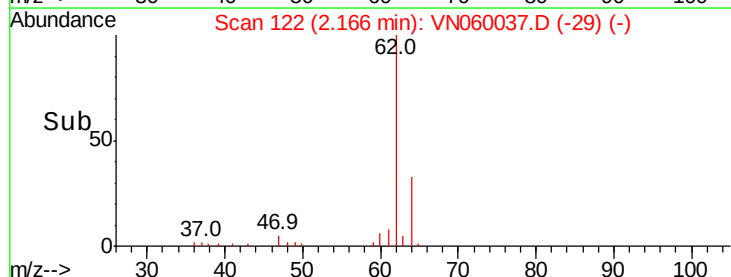
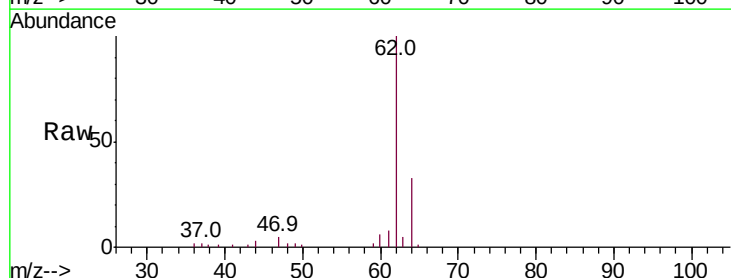
Instrument :
MSVOA_N
ClientSampled :

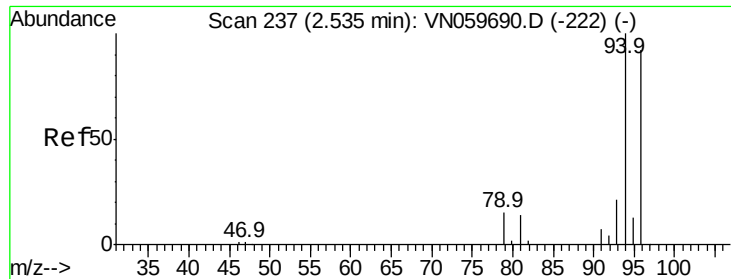
Tot Ion: 50 Resp: 32691
Ion Ratio Lower Upper
50 100
52 32.3 25.9 38.9



#4
Vinyl Chloride
Concen: 17.618 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 62 Resp: 40055
Ion Ratio Lower Upper
62 100
64 32.9 24.6 37.0

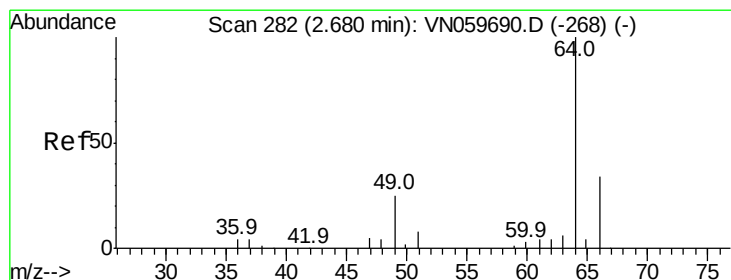
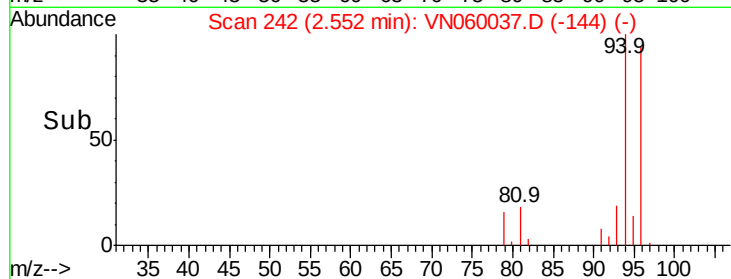
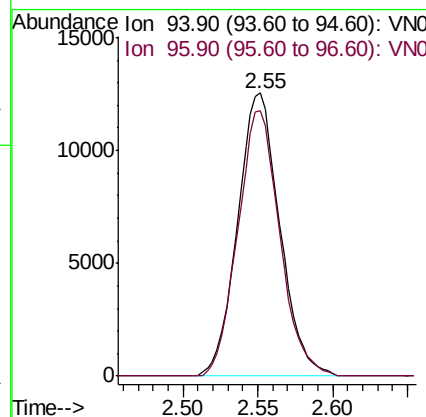
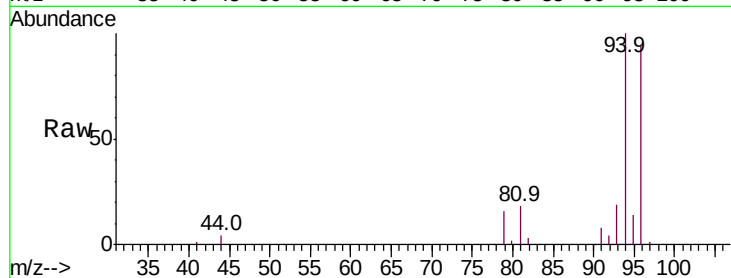




#5
Bromomethane
Concen: 17.767 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.02 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

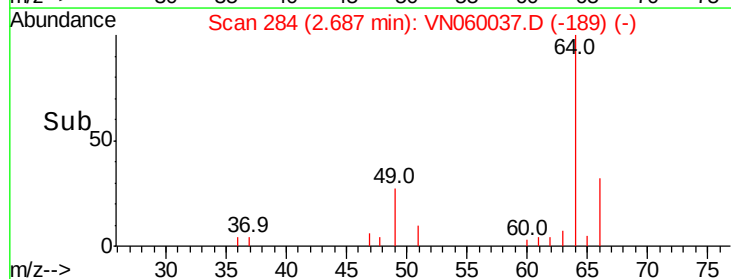
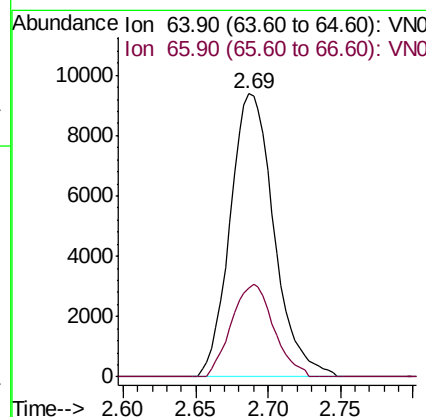
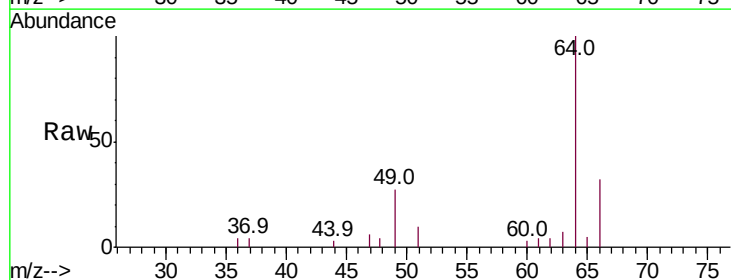
Instrument :
MSVOA_N
ClientSampled :

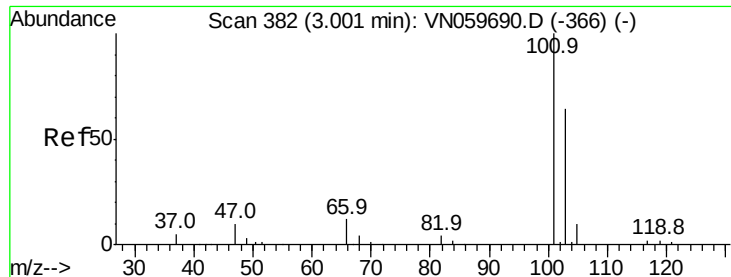
Tot Ion: 94 Resp: 24652
Ion Ratio Lower Upper
94 100
96 93.7 74.7 112.1



#6
Chloroethane
Concen: 18.320 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 64 Resp: 19706
Ion Ratio Lower Upper
64 100
66 31.6 25.1 37.7



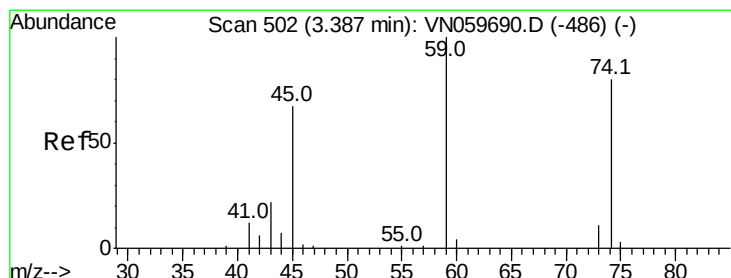
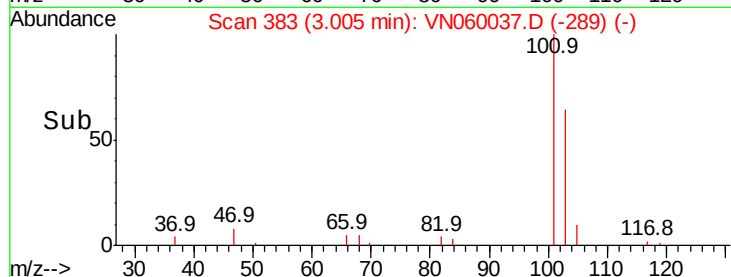
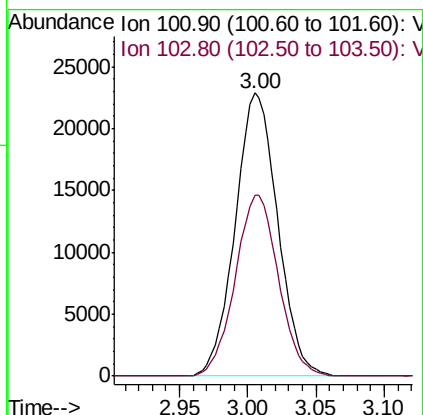
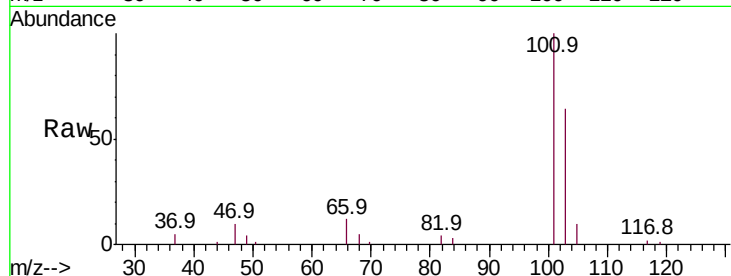


#7

Trichlorofluoromethane
Concen: 18.151 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

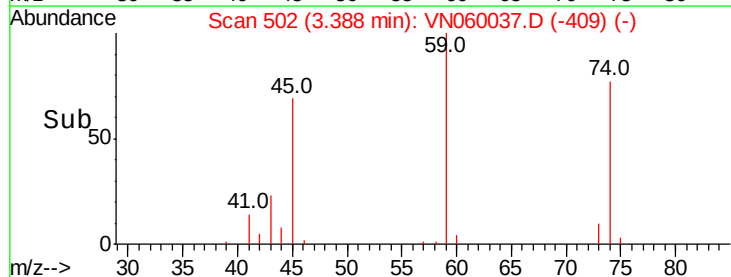
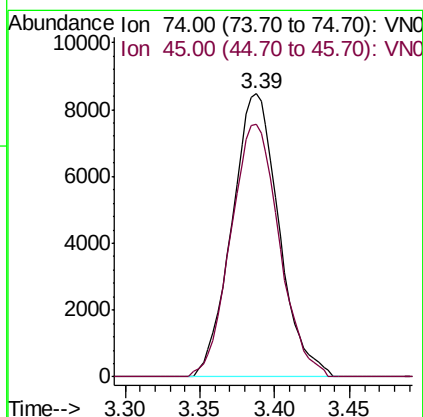
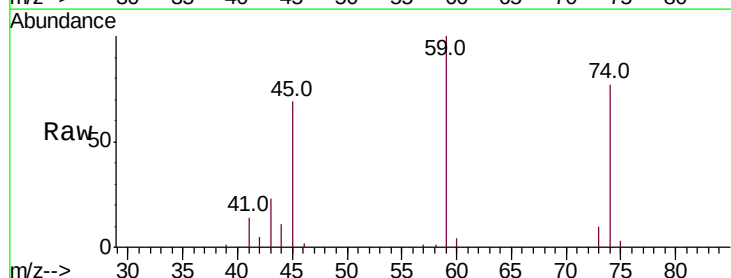
Tot Ion:101 Resp: 49560
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

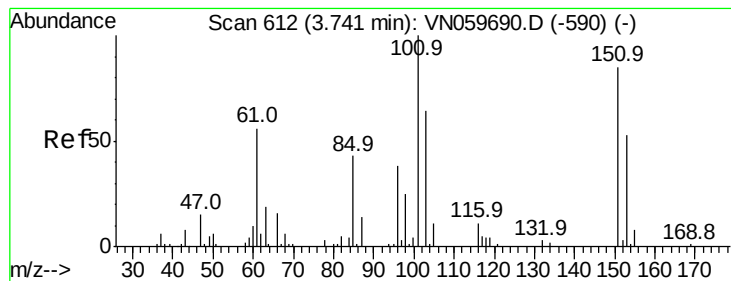


#8

Diethyl Ether
Concen: 19.335 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 74 Resp: 18527
Ion Ratio Lower Upper
74 100
45 92.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.677 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

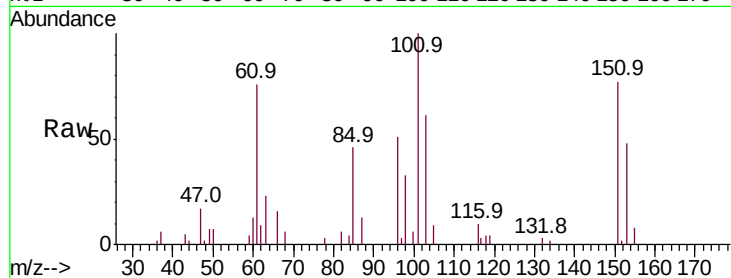
Tot Ion:101 Resp: 29902

Ion Ratio Lower Upper

101 100

85 45.3 36.6 54.8

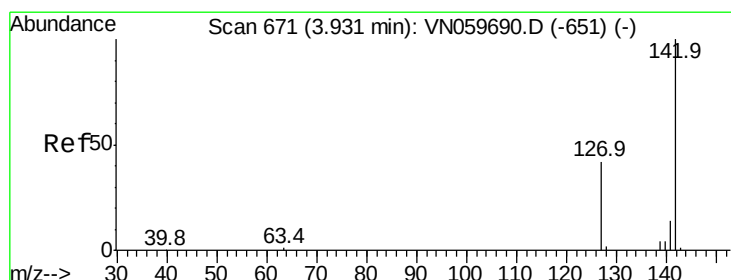
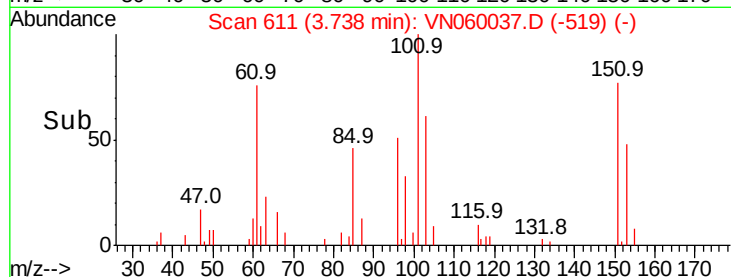
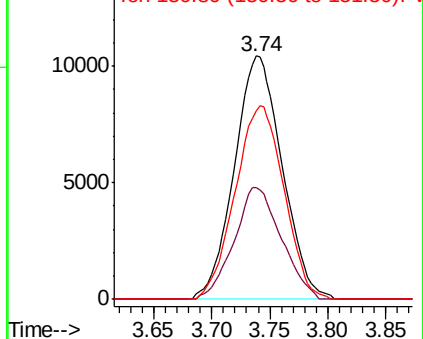
151 81.0 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.279 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

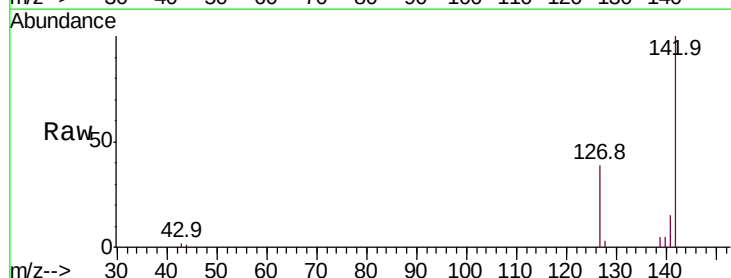
Tgt Ion:142 Resp: 37530

Ion Ratio Lower Upper

142 100

127 42.2 36.7 55.1

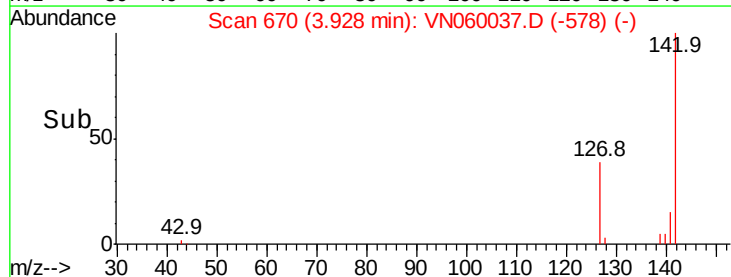
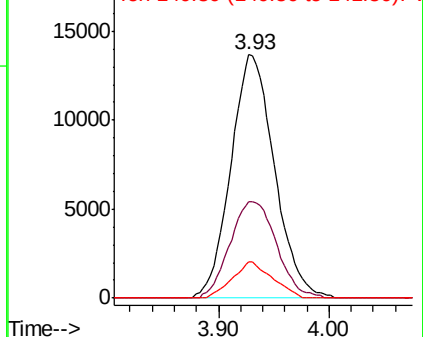
141 13.7 11.7 17.5

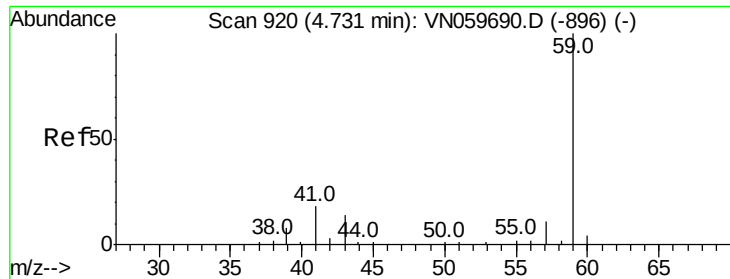


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

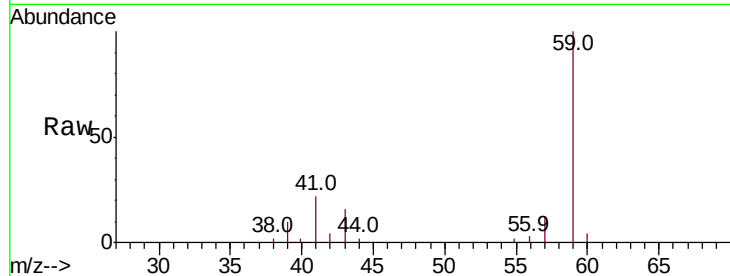




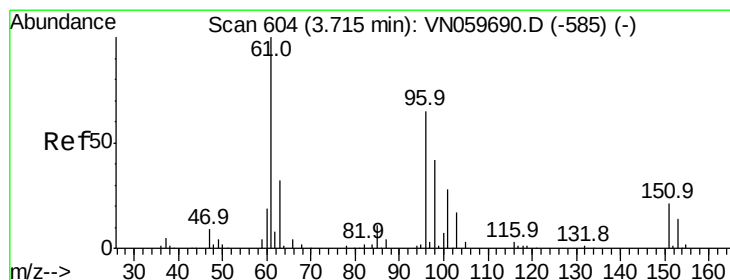
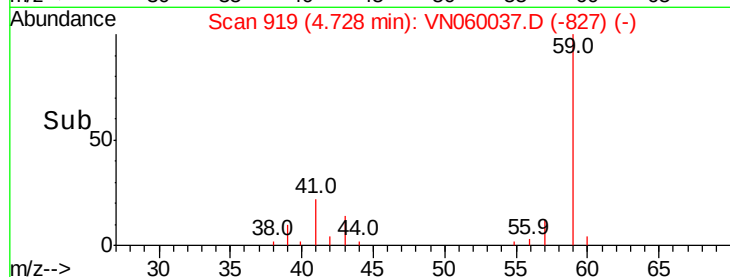
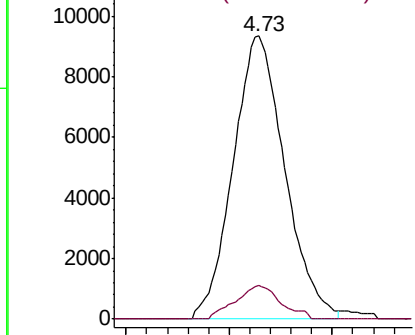
#11
Tert butyl alcohol
Concen: 100.343 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 32559
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8

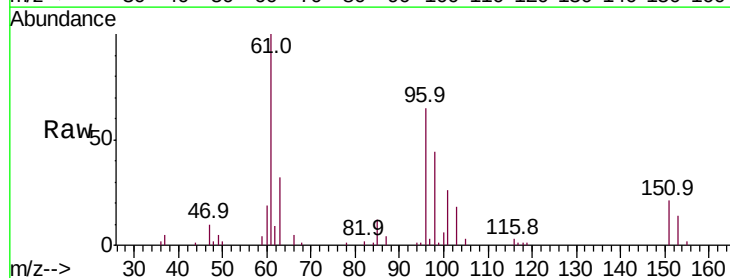


Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

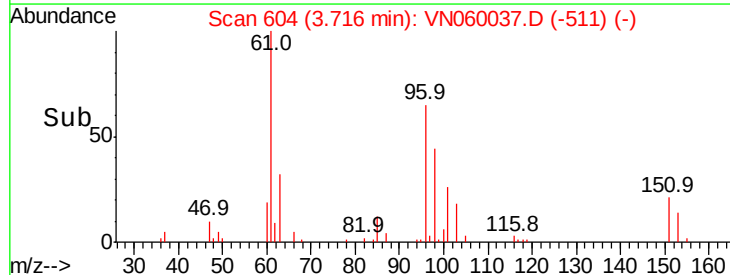
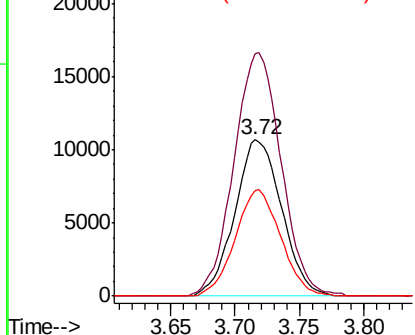


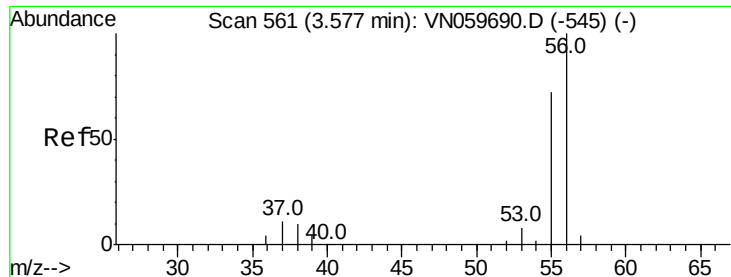
#12
1,1-Dichloroethene
Concen: 17.025 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 96 Resp: 27034
Ion Ratio Lower Upper
96 100
61 154.6 137.5 206.3
98 67.5 50.2 75.4



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





#13

Acrolein

Concen: 78.719 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

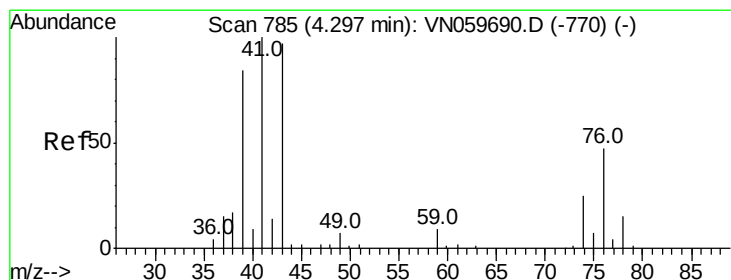
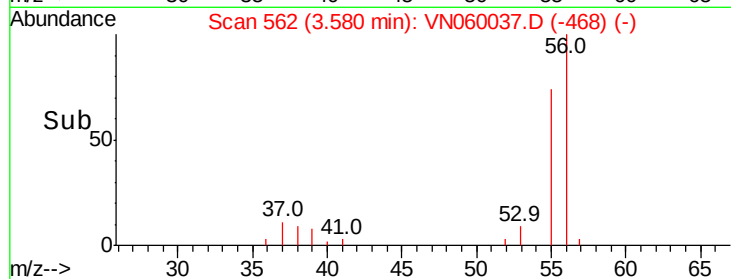
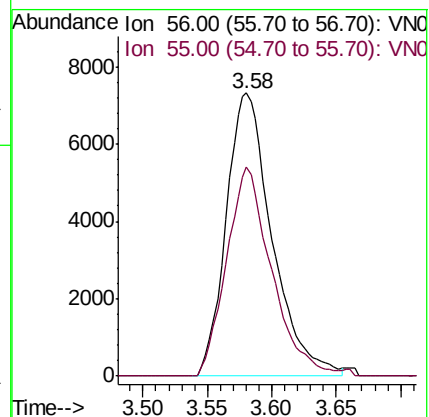
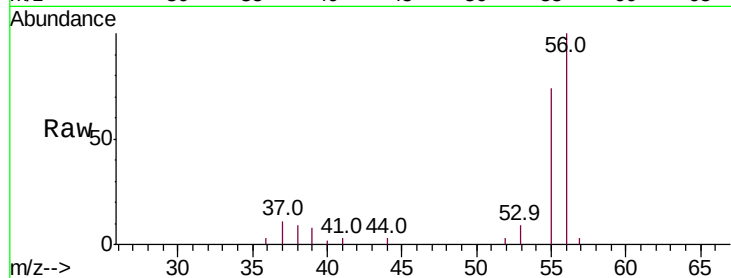
ClientSampled :

Tot Ion: 56 Resp: 18081

Ion Ratio Lower Upper

56 100

55 72.6 58.6 88.0



#14

Allyl chloride

Concen: 19.183 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

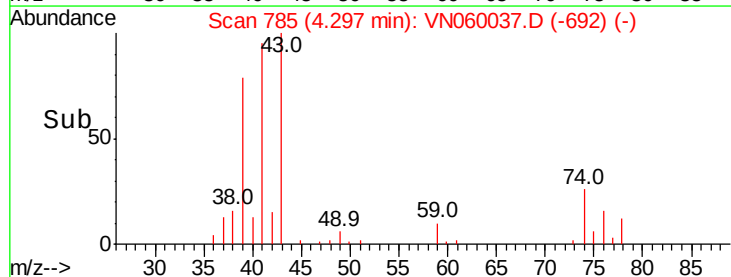
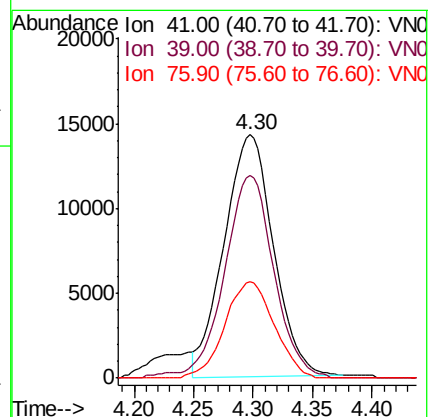
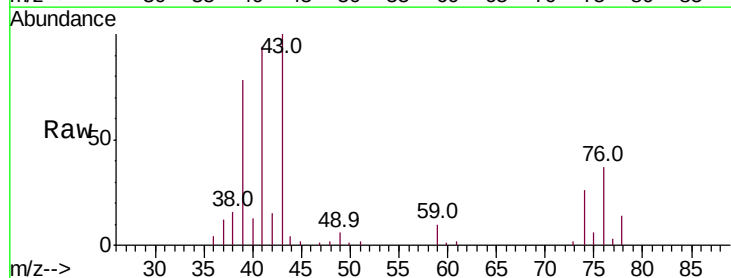
Tgt Ion: 41 Resp: 41058

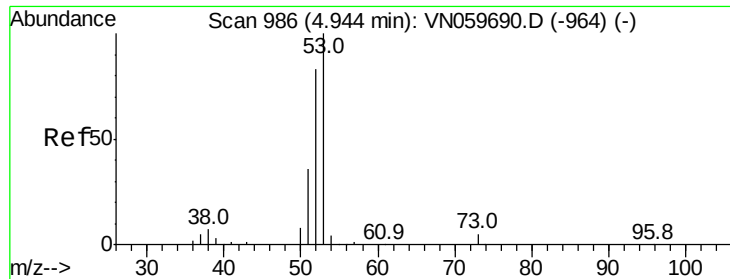
Ion Ratio Lower Upper

41 100

39 84.3 57.8 86.8

76 39.8 25.4 38.0#





#15

Acrylonitrile

Concen: 103.241 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

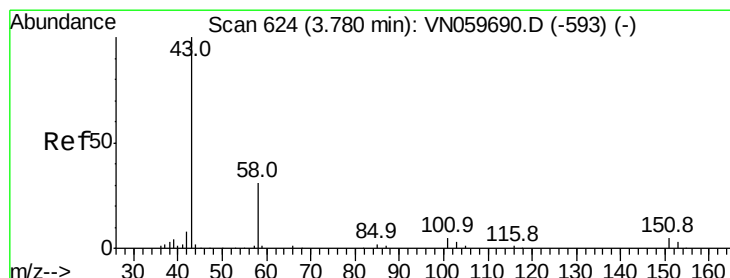
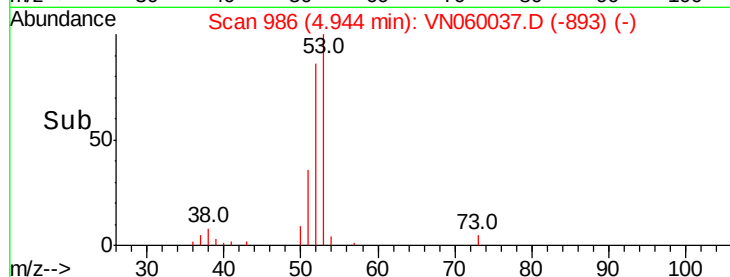
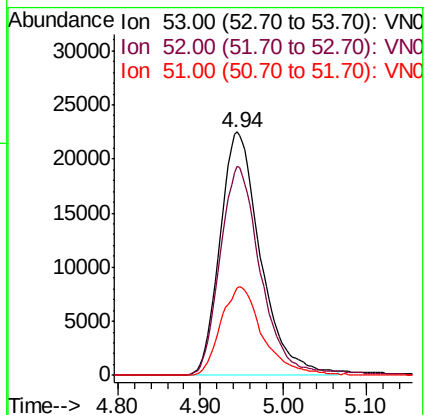
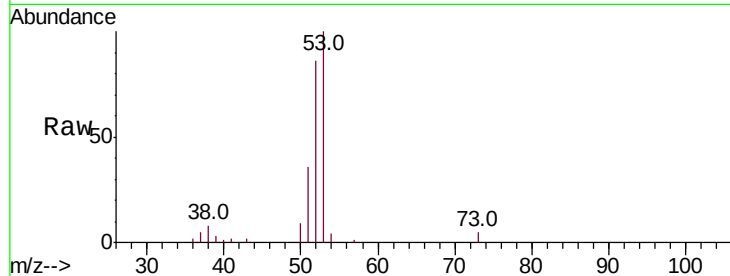
Tot Ion: 53 Resp: 76415

Ion Ratio Lower Upper

53 100

52 85.1 66.3 99.5

51 37.7 29.7 44.5



#16

Acetone

Concen: 129.925 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060037.D

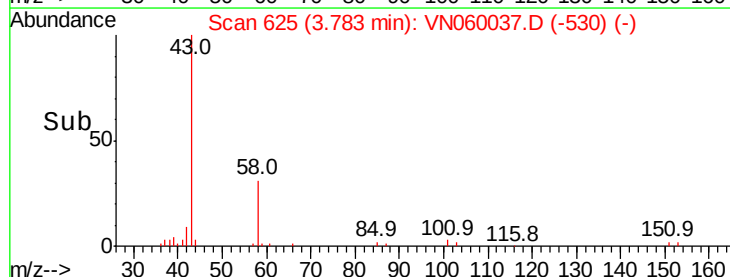
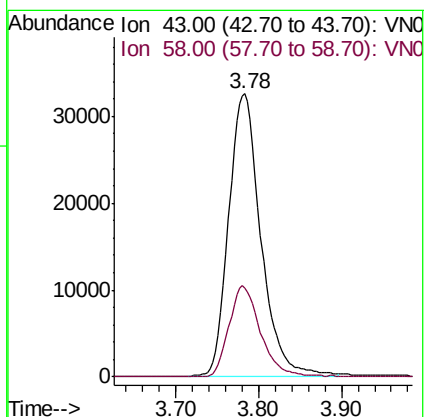
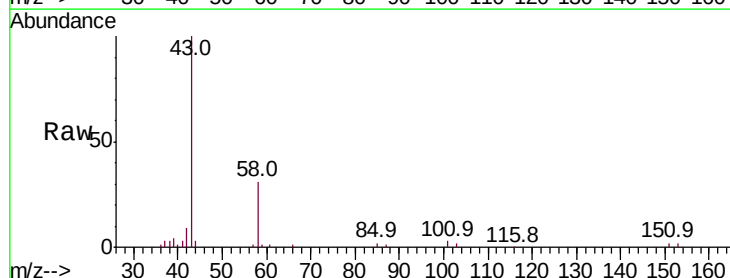
Acq: 10 Feb 2020 11:46

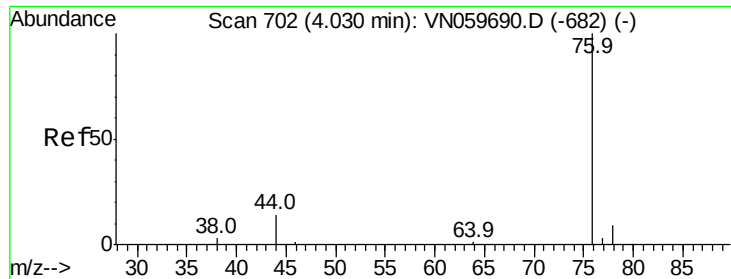
Tgt Ion: 43 Resp: 88574

Ion Ratio Lower Upper

43 100

58 31.5 23.6 35.4

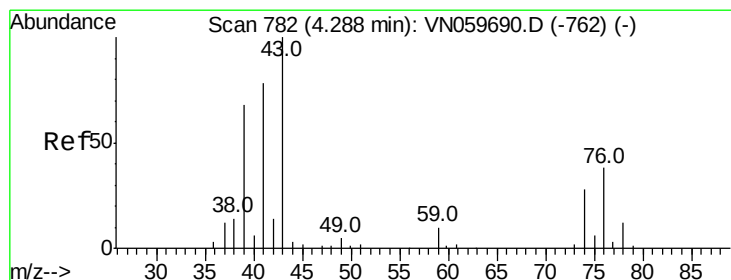
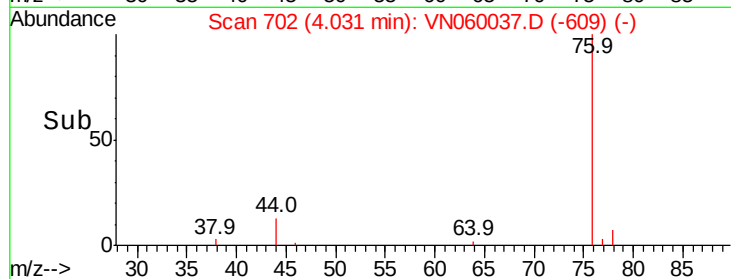
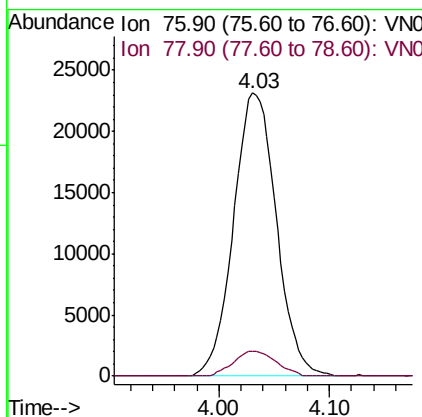
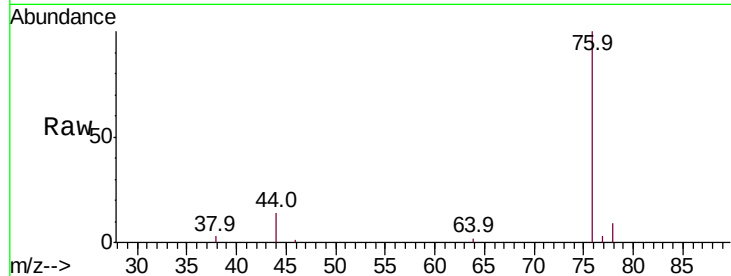




#17
Carbon Disulfide
Concen: 13.744 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

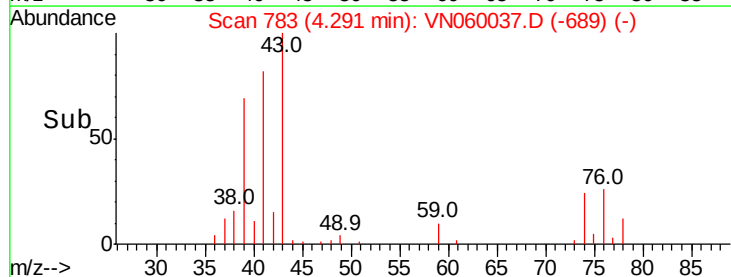
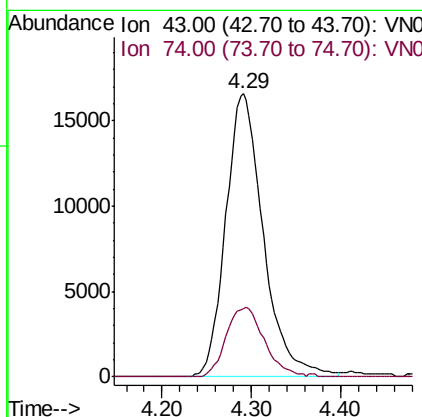
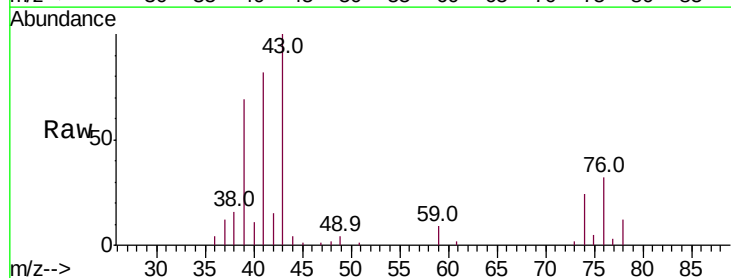
Instrument :
MSVOA_N
ClientSampled :

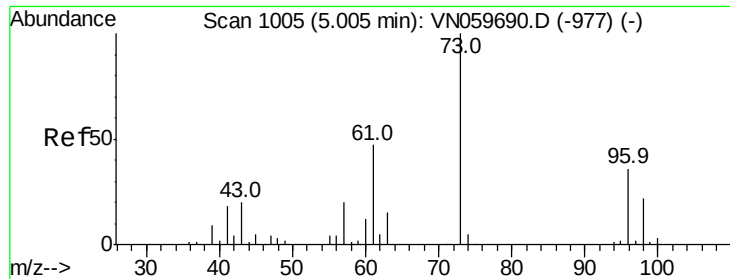
Tot Ion: 76 Resp: 62169
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 21.560 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 43 Resp: 48540
Ion Ratio Lower Upper
43 100
74 24.8 17.5 26.3

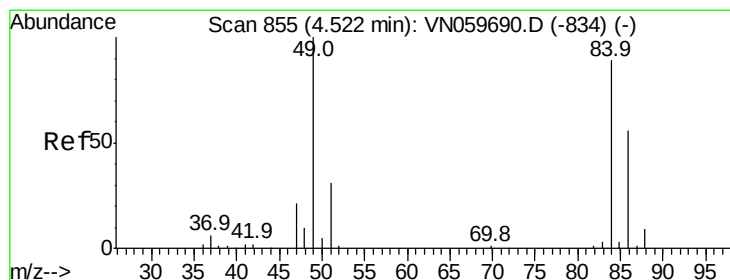
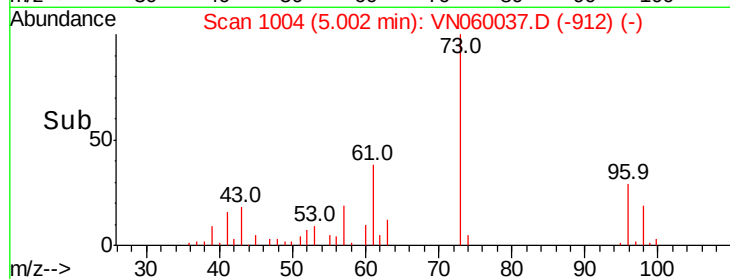
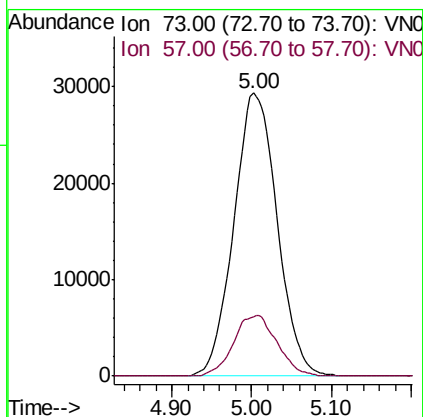
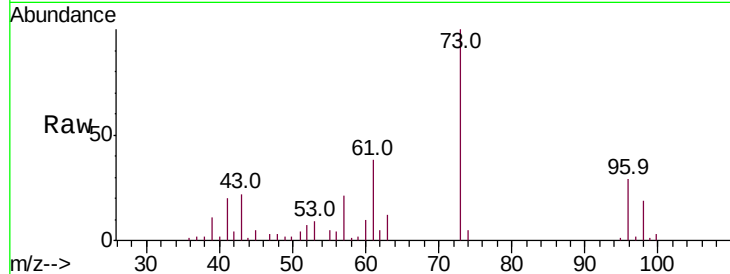




#19
Methyl tert-butyl Ether
Concen: 20.853 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

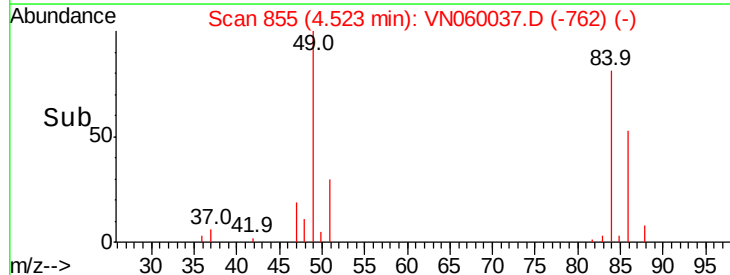
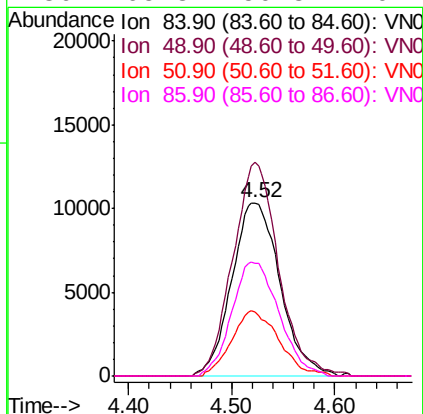
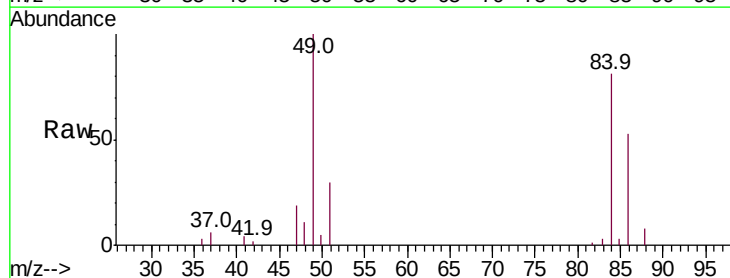
Instrument :
MSVOA_N
ClientSampled :

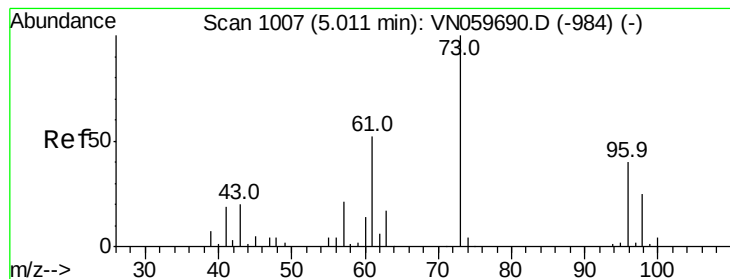
Tot Ion: 73 Resp: 107964
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8



#20
Methylene Chloride
Concen: 18.489 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 84 Resp: 33664
Ion Ratio Lower Upper
84 100
49 123.6 106.6 160.0
51 37.0 31.9 47.9
86 65.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.916 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

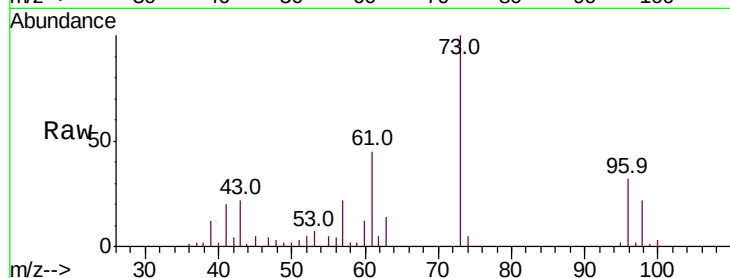
Tot Ion: 96 Resp: 30241

Ion Ratio Lower Upper

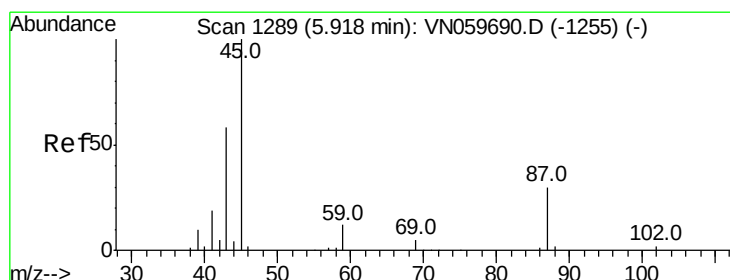
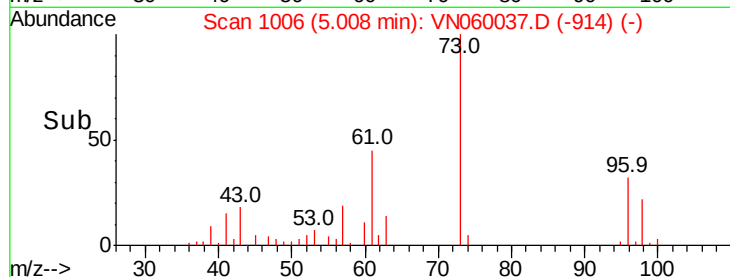
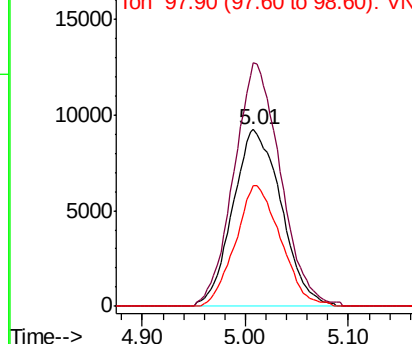
96 100

61 138.0 120.4 180.6

98 68.4 50.6 75.8



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



#22

Diisopropyl ether

Concen: 21.013 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 45 Resp: 101922

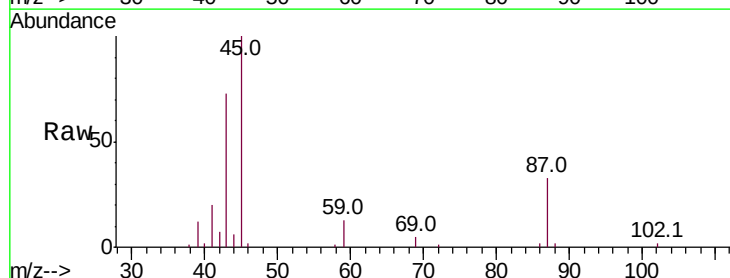
Ion Ratio Lower Upper

45 100

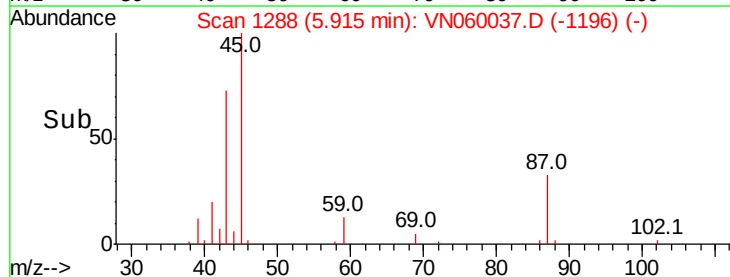
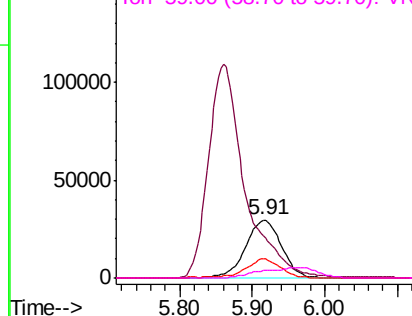
43 69.9 50.8 76.2

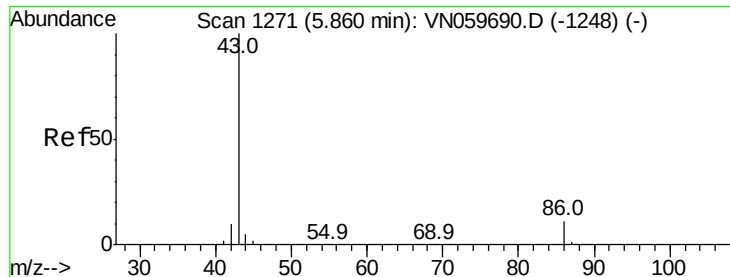
87 32.8 21.0 31.6#

59 12.7 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 101.929 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

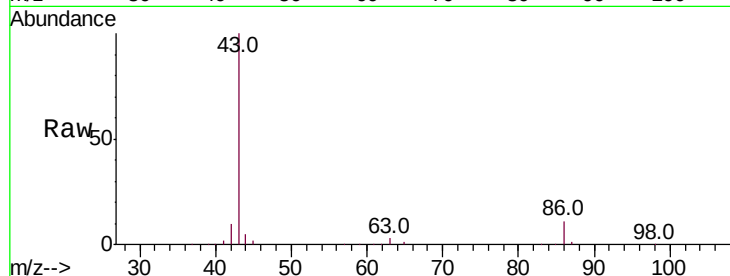
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 382781

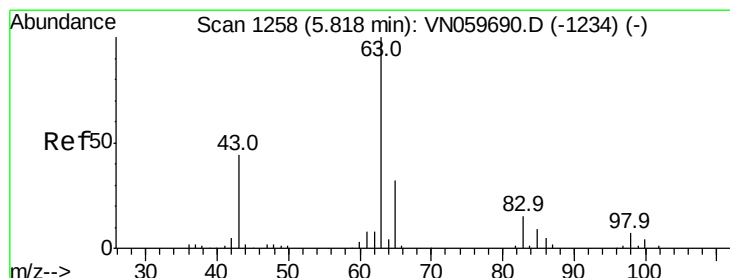
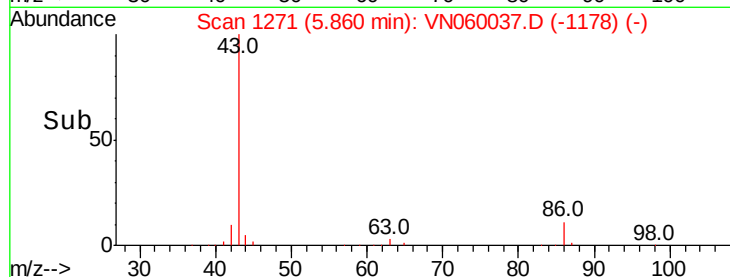
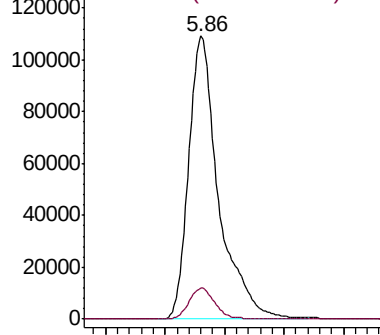
Ion Ratio Lower Upper

43 100

86 10.9 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.037 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

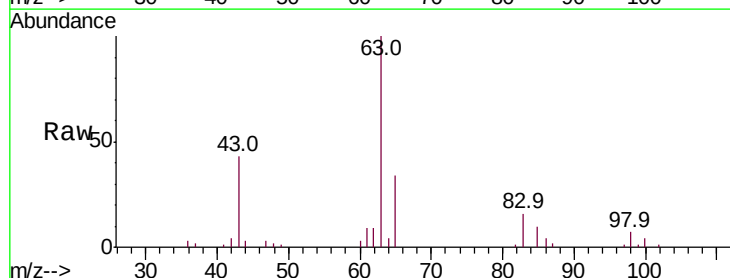
Tgt Ion: 63 Resp: 59384

Ion Ratio Lower Upper

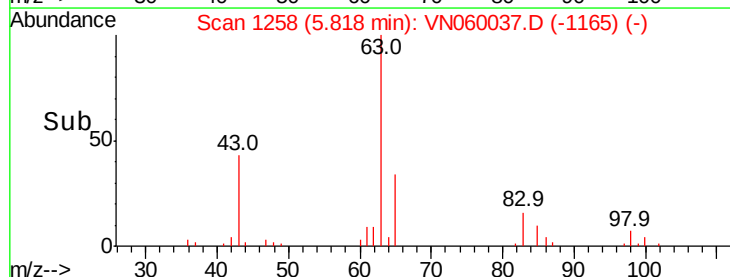
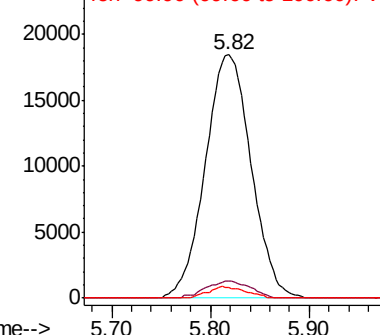
63 100

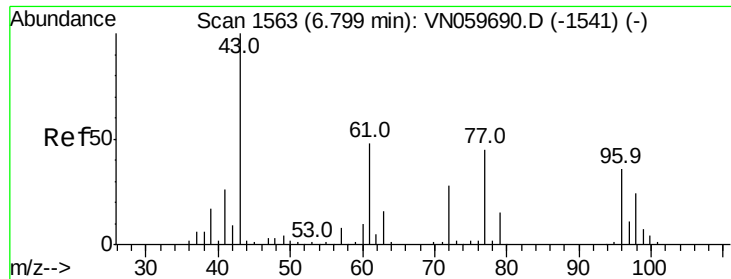
98 7.2 2.9 8.7

100 4.3 2.0 6.0



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





#25

2-Butanone

Concen: 103.594 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

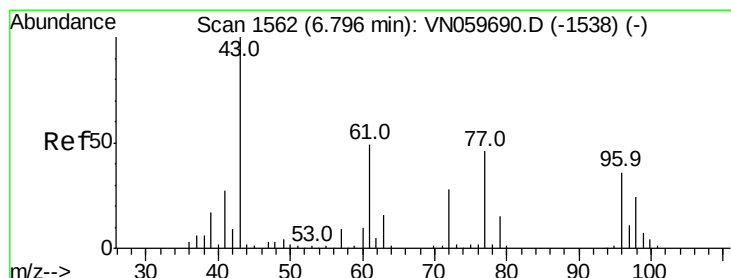
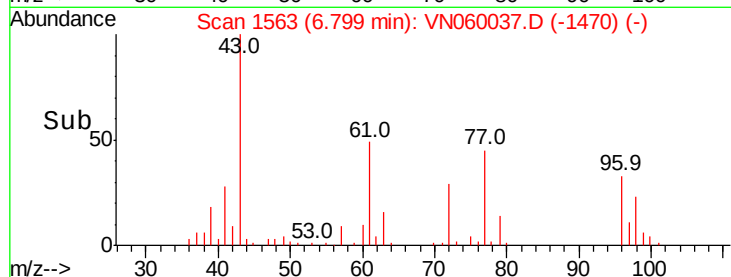
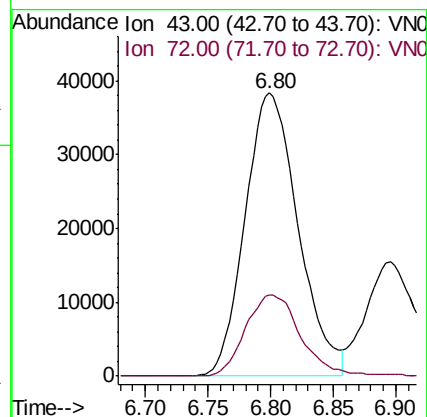
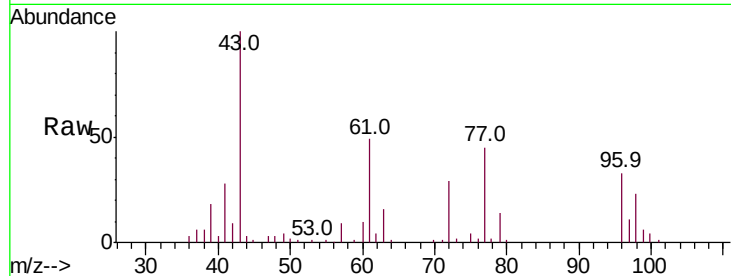
ClientSampled :

Tot Ion: 43 Resp: 113074

Ion Ratio Lower Upper

43 100

72 28.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.753 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060037.D

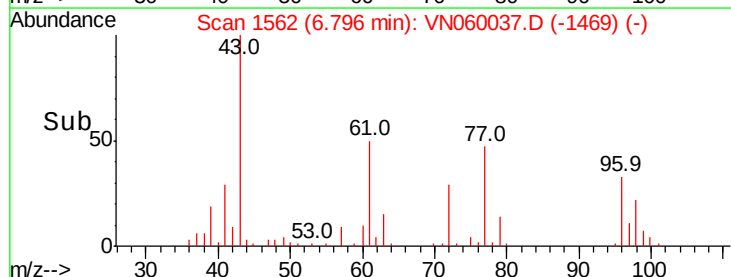
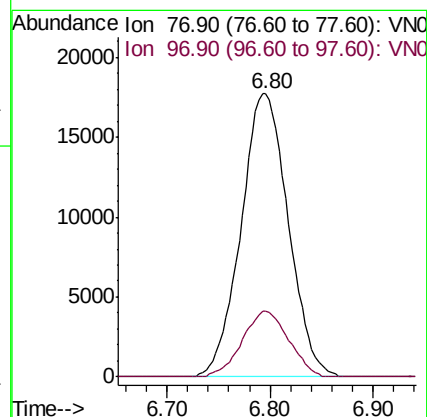
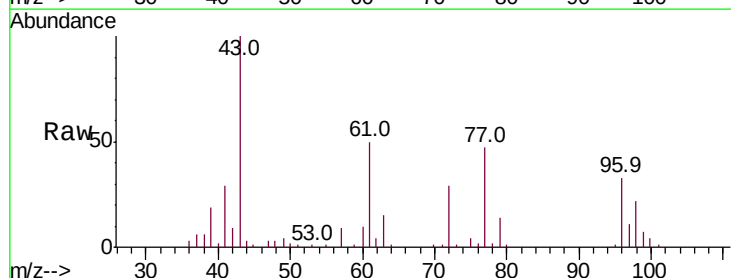
Acq: 10 Feb 2020 11:46

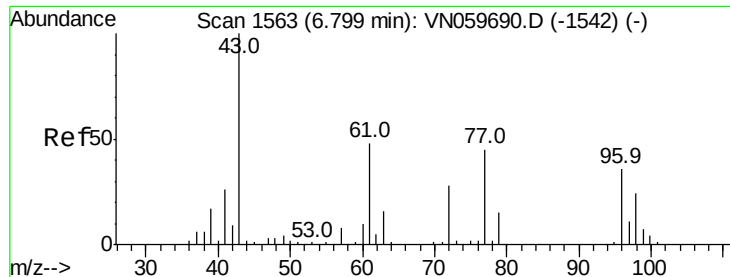
Tgt Ion: 77 Resp: 56282

Ion Ratio Lower Upper

77 100

97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.664 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

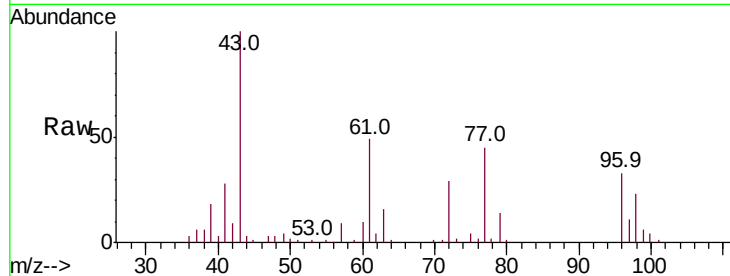
Tot Ion: 96 Resp: 38177

Ion Ratio Lower Upper

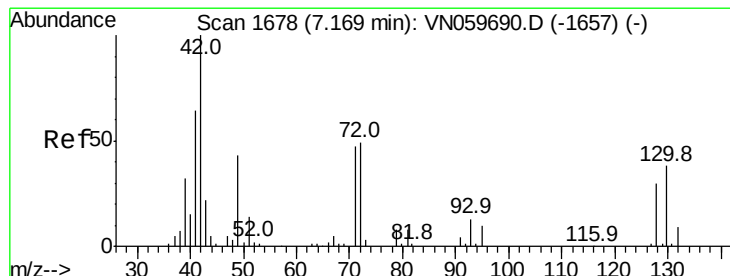
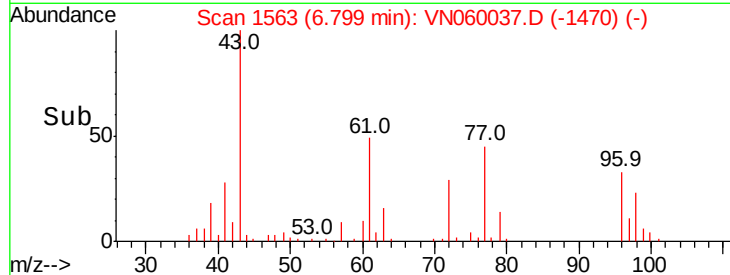
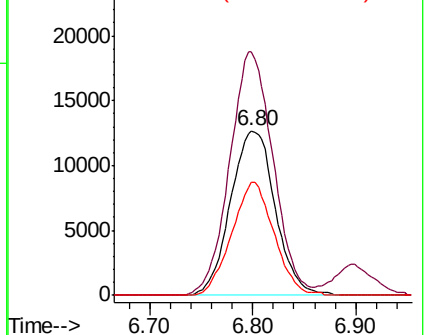
96 100

61 143.8 0.0 317.6

98 65.1 0.0 127.0



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: 19.526 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

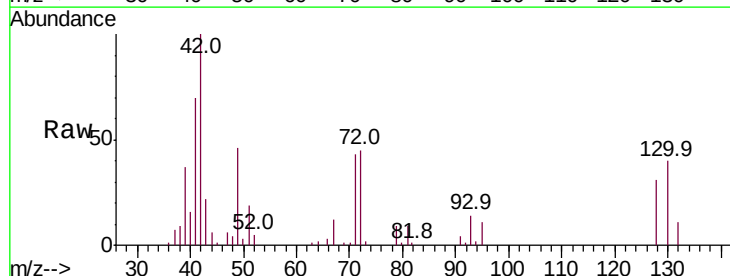
Tgt Ion: 49 Resp: 23129

Ion Ratio Lower Upper

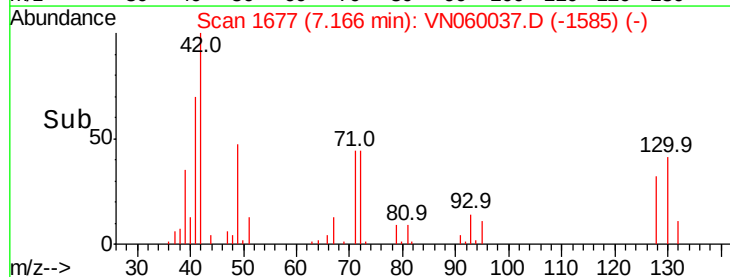
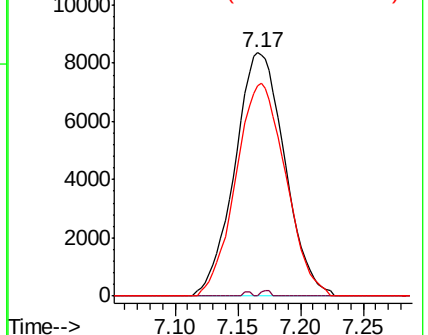
49 100

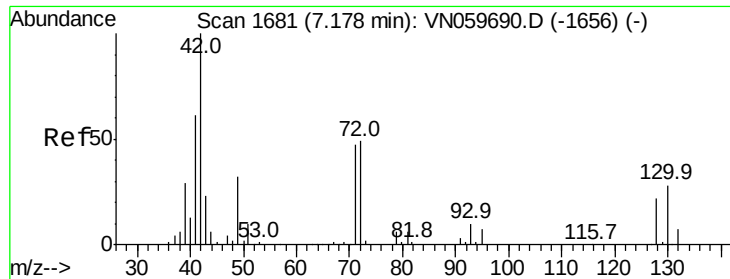
129 0.4 0.0 3.4

130 87.2 54.7 82.1#



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

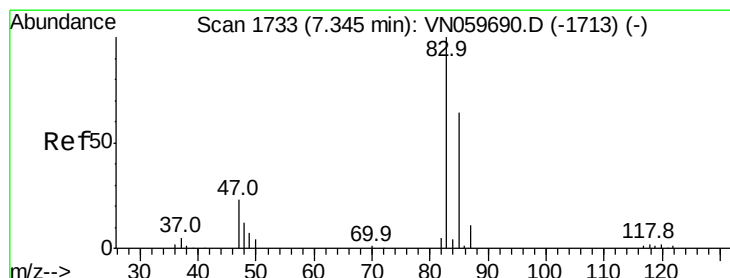
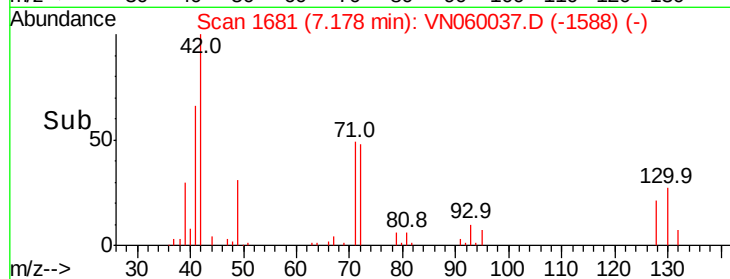
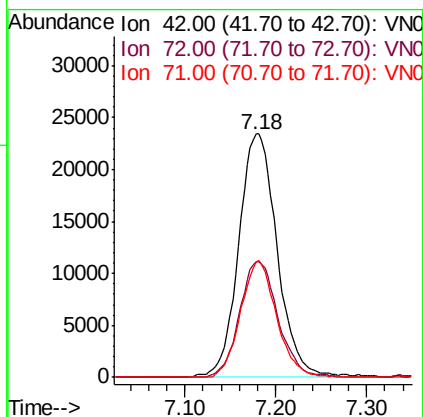
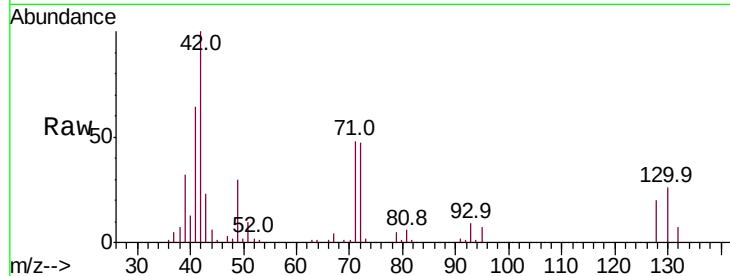




#29
Tetrahydrofuran
Concen: 101.598 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

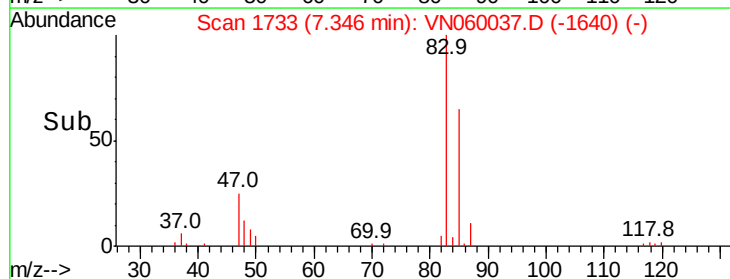
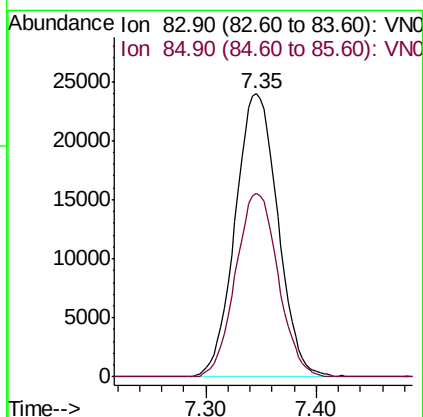
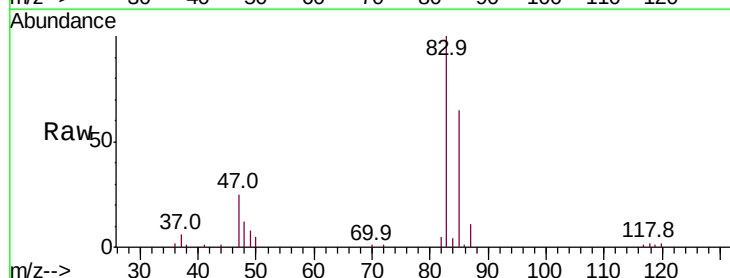
Instrument :
MSVOA_N
ClientSampled :

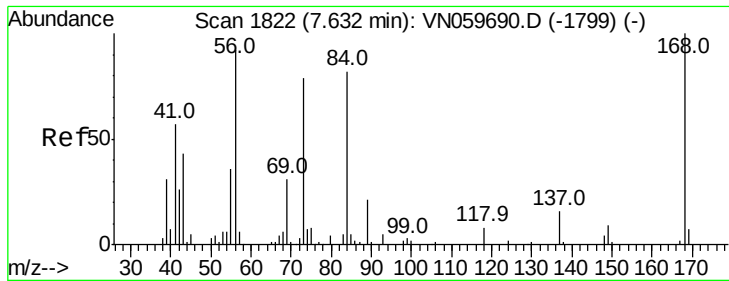
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	33.1	49.7
71	44.9	31.4	47.0



#30
Chloroform
Concen: 20.932 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6

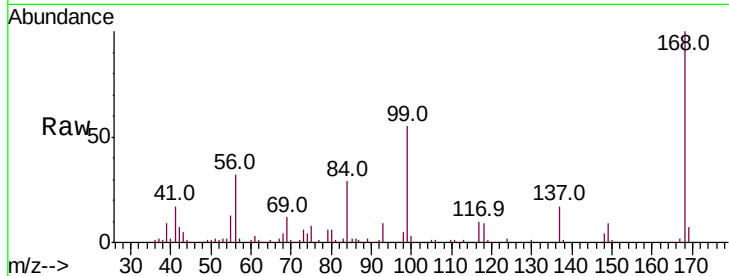




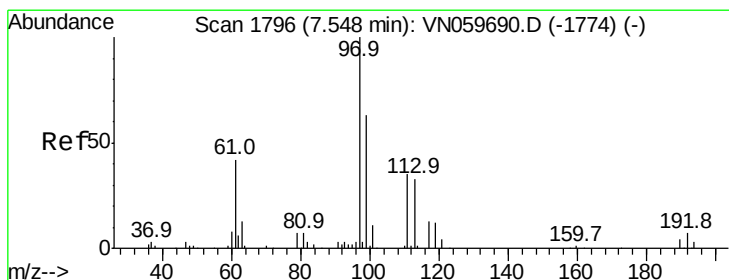
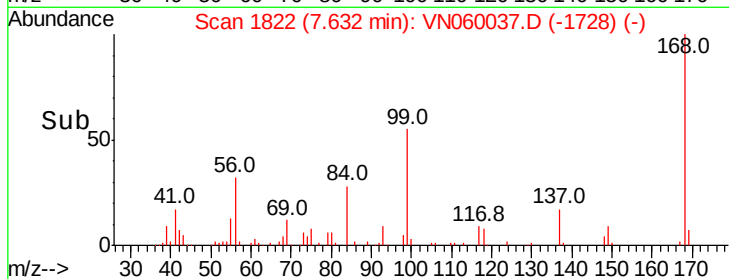
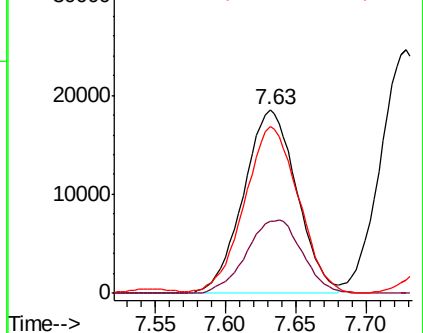
#31
Cyclohexane
Concen: 17.159 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	Resp	48934
Ion Ratio	Lower	Upper	
56	100		
69	39.0	26.5	39.7
84	89.6	65.3	97.9

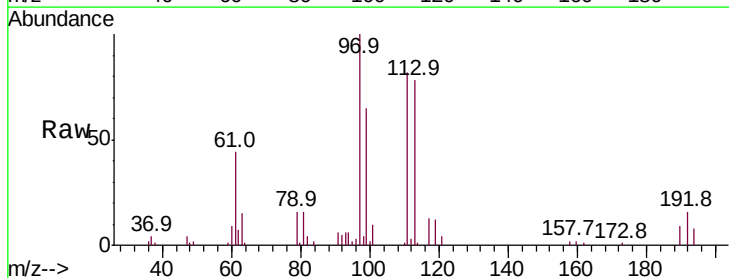


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

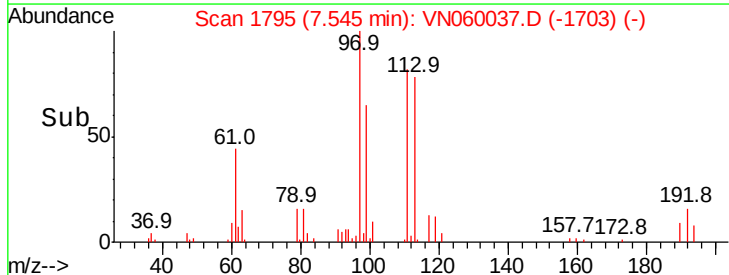
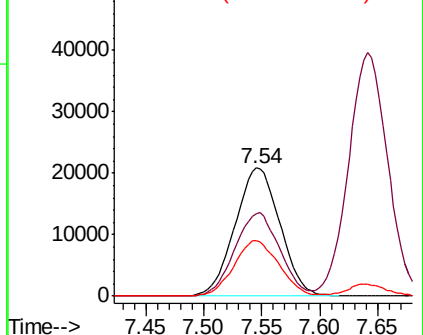


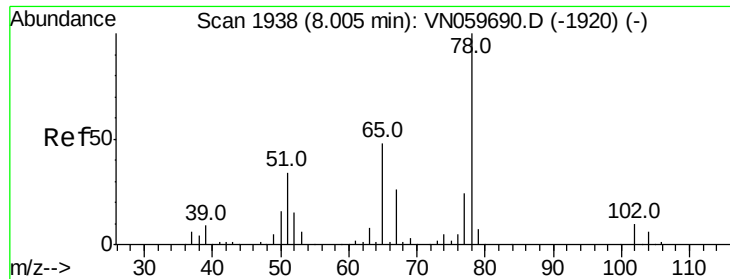
#32
1,1,1-Trichloroethane
Concen: 19.835 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	97	Resp	56317
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.4
61	43.4	38.5	57.7



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

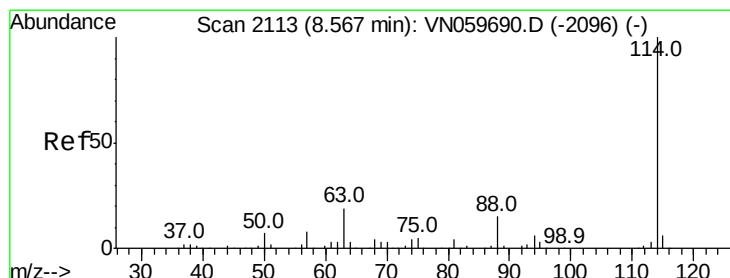
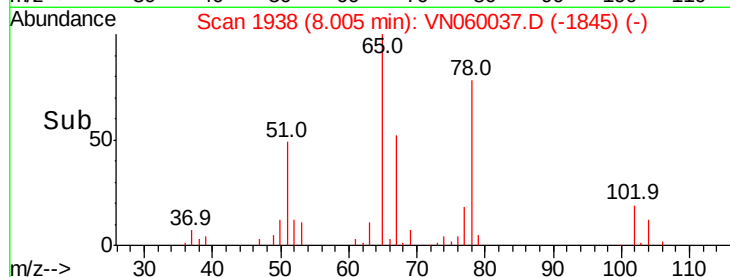
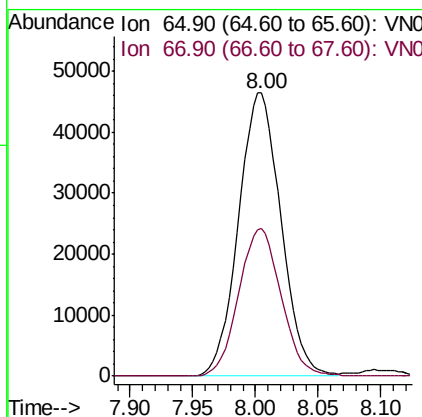
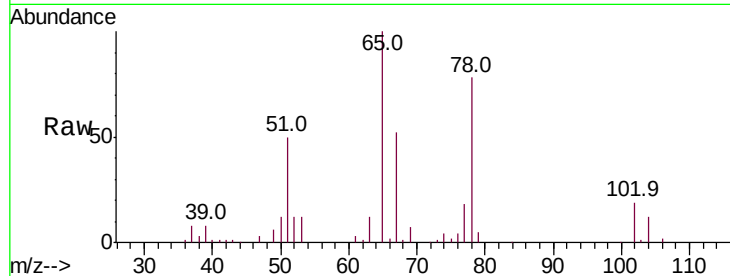




#33
 1,2-Dichloroethane-d4
 Concen: 56.650 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

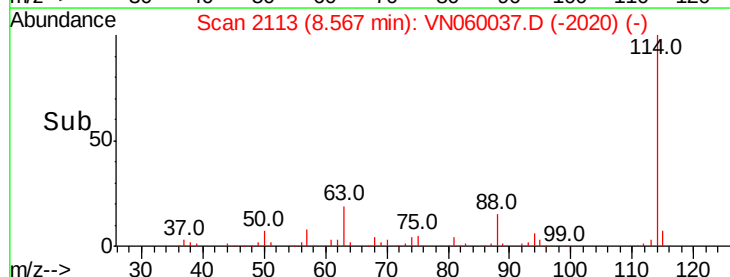
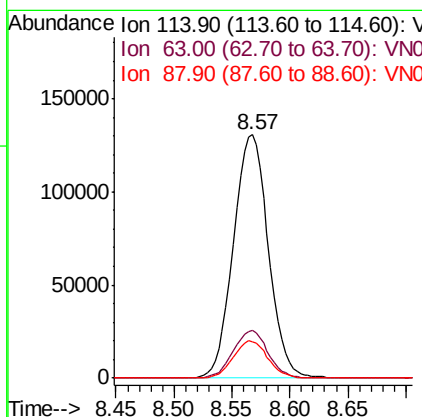
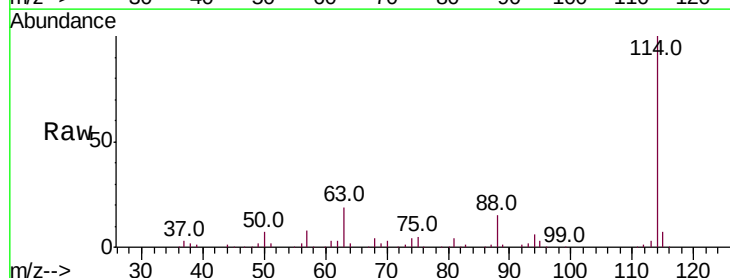
Instrument :
 MSVOA_N
 ClientSampled :

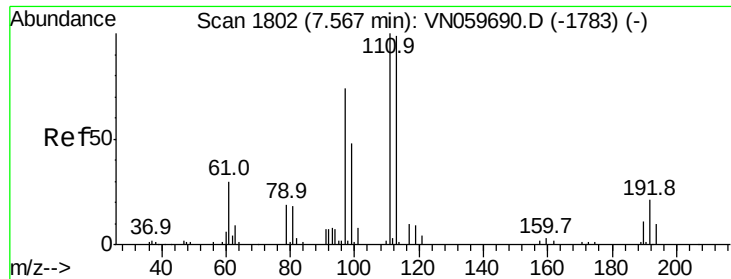
Tot Ion: 65 Resp: 109191
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion: 114 Resp: 272889
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.311 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

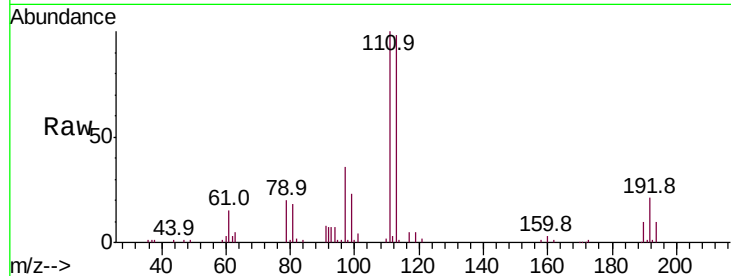
Tot Ion:113 Resp: 88384

Ion Ratio Lower Upper

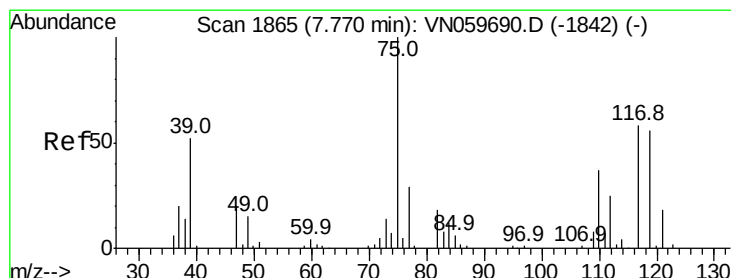
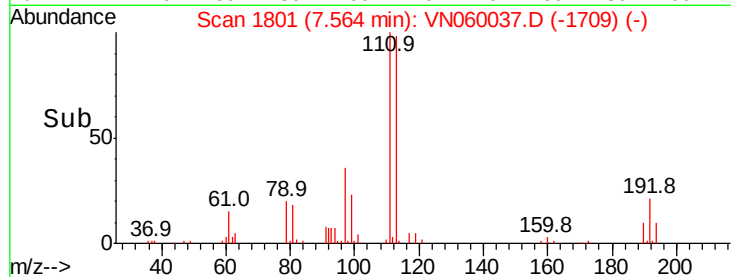
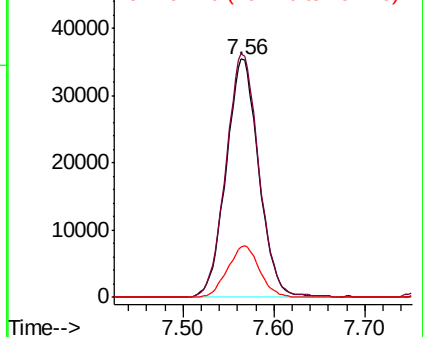
113 100

111 103.1 83.5 125.3

192 20.9 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 18.094 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

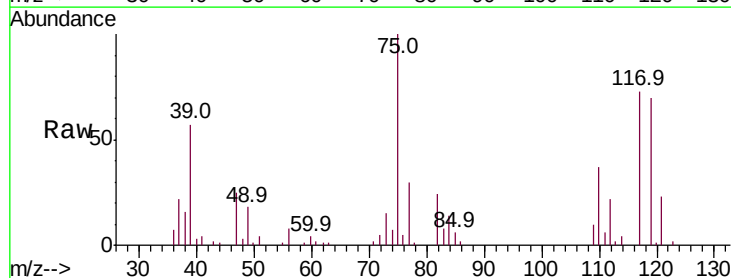
Tgt Ion: 75 Resp: 42998

Ion Ratio Lower Upper

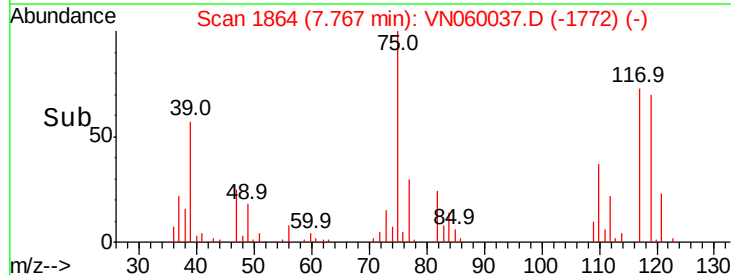
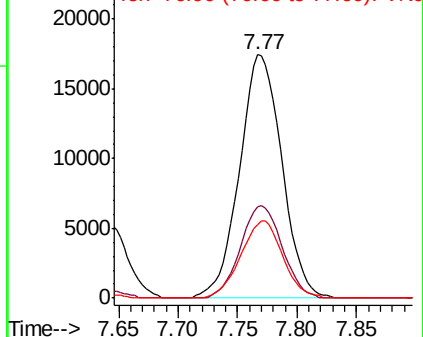
75 100

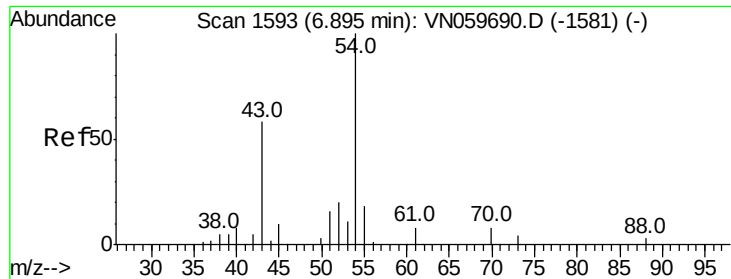
110 37.3 16.6 49.7

77 31.5 25.1 37.7



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

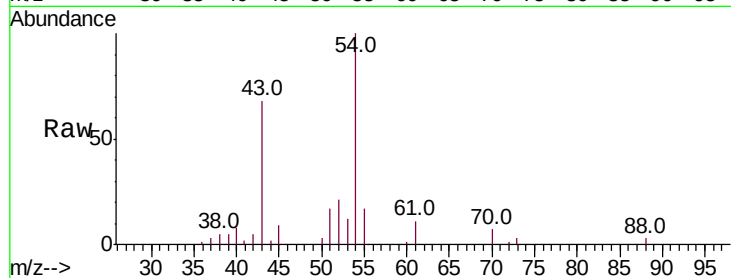




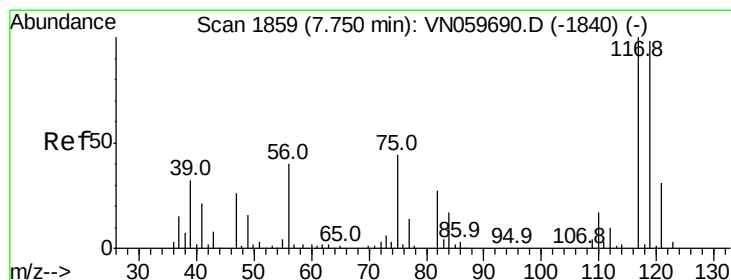
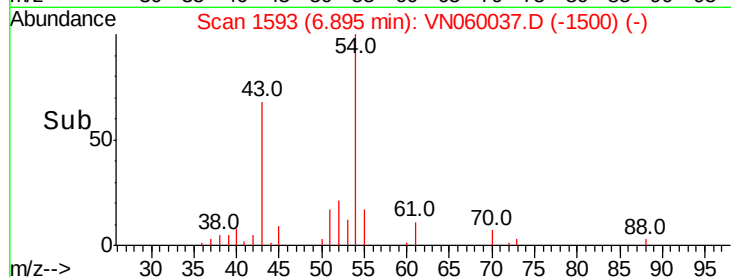
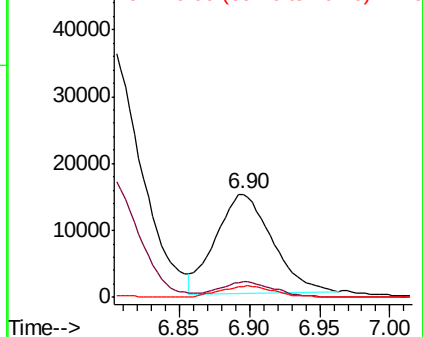
#37
Ethyl Acetate
Concen: 18.486 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 41202
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.1 7.7 11.5

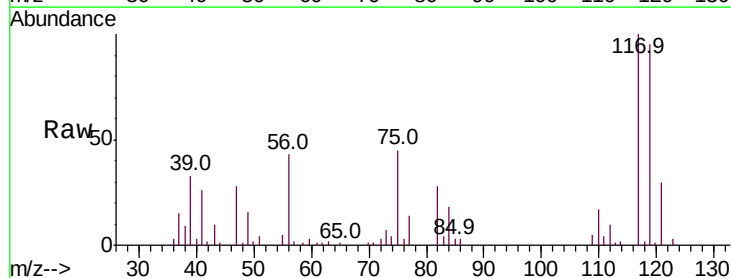


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

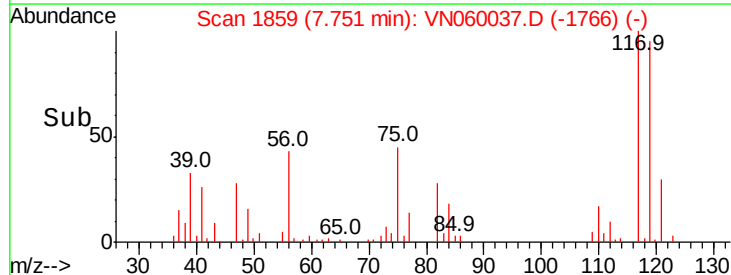
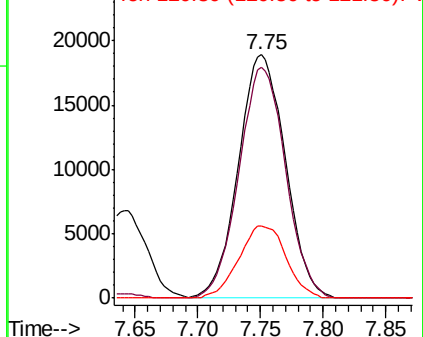


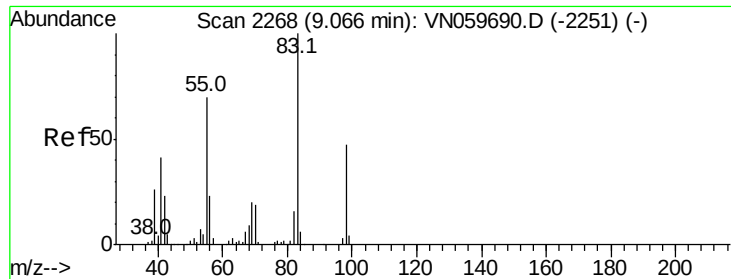
#38
Carbon Tetrachloride
Concen: 19.076 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 117 Resp: 49313
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 29.8 25.1 37.7



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

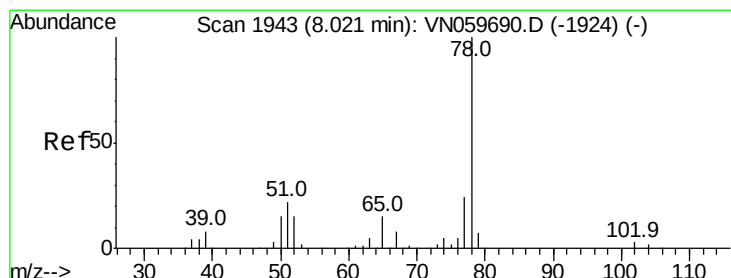
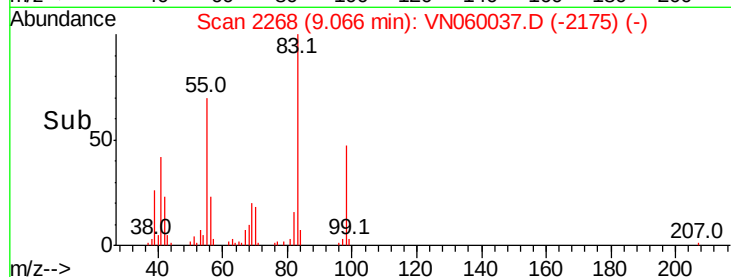
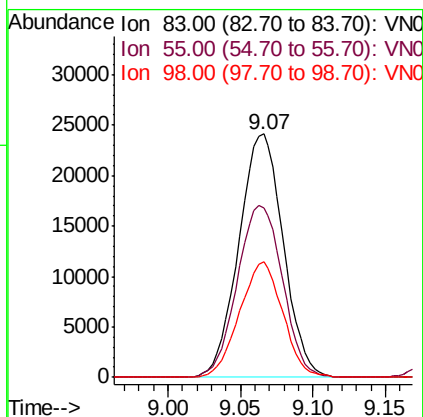
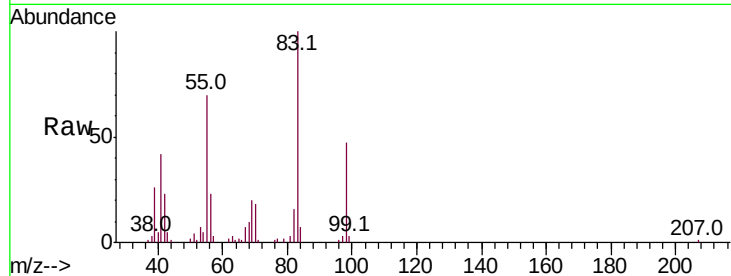




#39
Methvlcvclohexane
Concen: 17.564 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

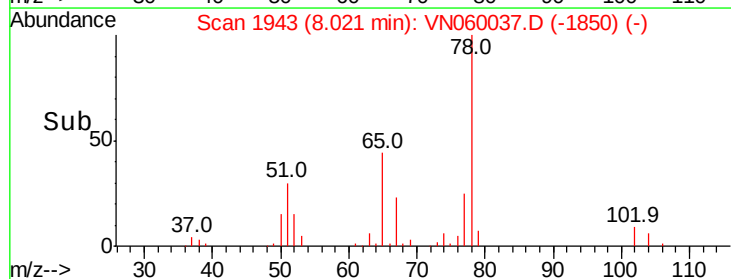
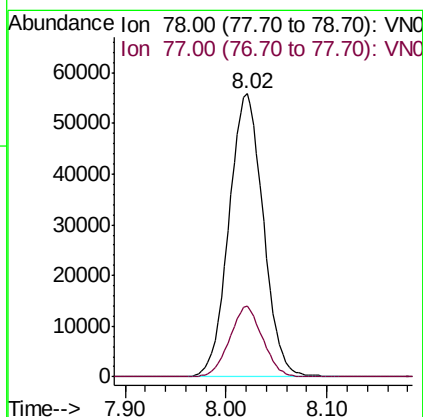
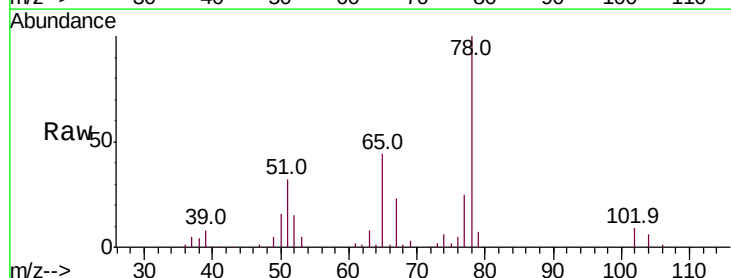
Instrument :
MSVOA_N
ClientSampleId :

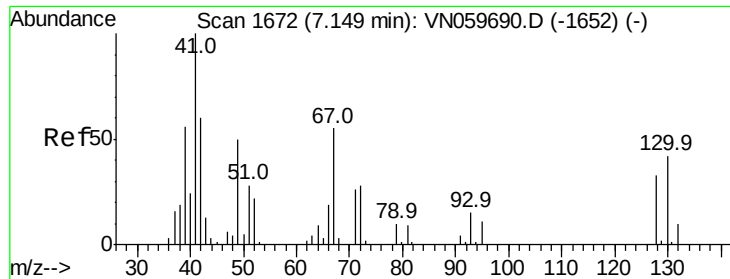
Tot Ion: 83 Resp: 51467
Ion Ratio Lower Upper
83 100
55 69.5 64.2 96.2
98 47.4 35.9 53.9



#40
Benzene
Concen: 18.607 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 78 Resp: 131875
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3





#41

Methacrylonitrile

Concen: 59.108 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

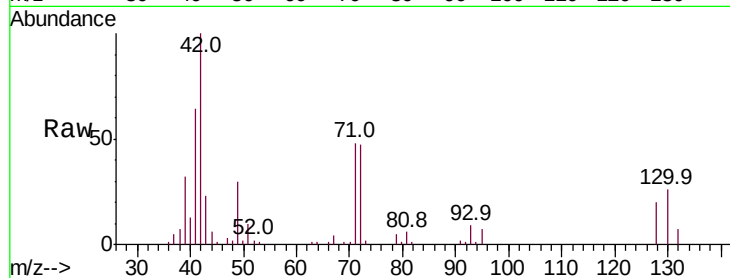
Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

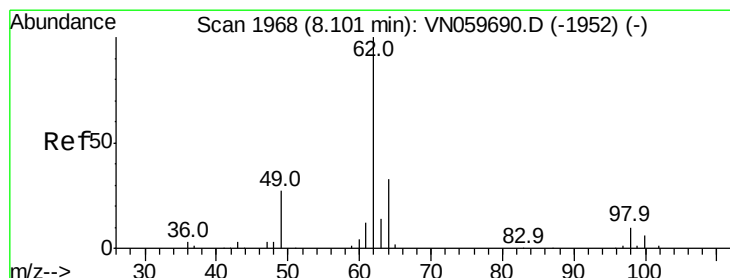
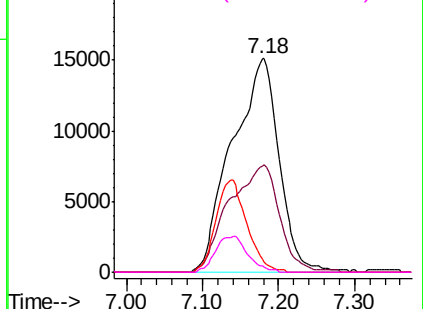
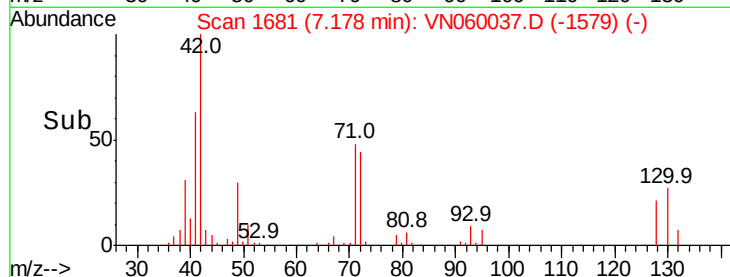
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 64892

Ion	Ratio	Lower	Upper
41	100		
39	53.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



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



#42

1,2-Dichloroethane

Concen: 21.645 ug/l

RT: 8.10 min Scan# 1968

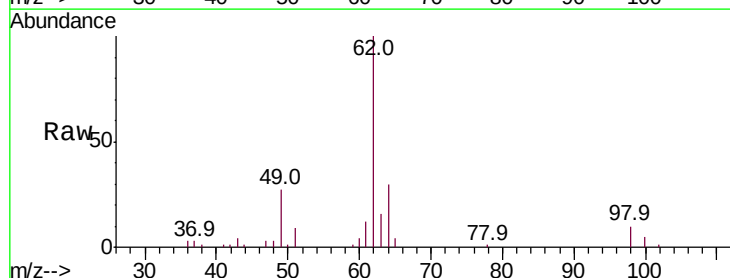
Delta R.T. 0.00 min

Lab File: VN060037.D

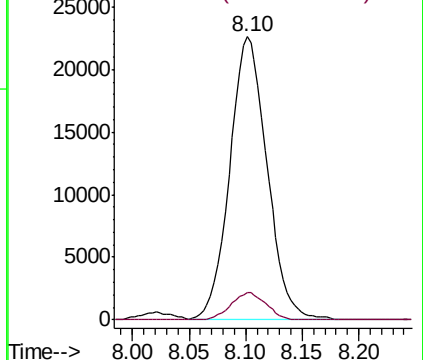
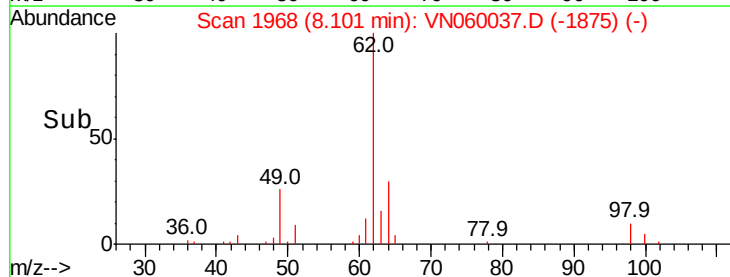
Acq: 10 Feb 2020 11:46

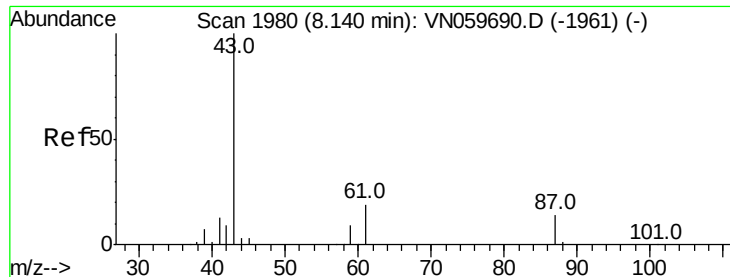
Tgt Ion: 62 Resp: 52012

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 19.781 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

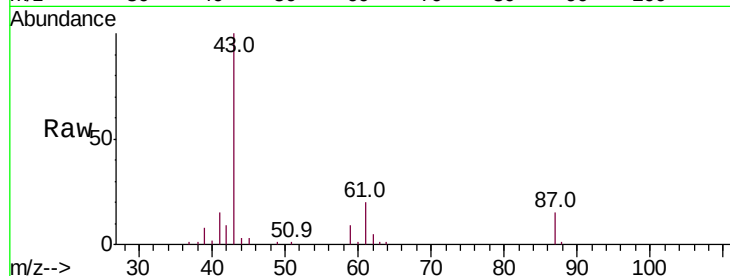
Tot Ion: 43 Resp: 75835

Ion Ratio Lower Upper

43 100

61 27.4 20.2 30.2

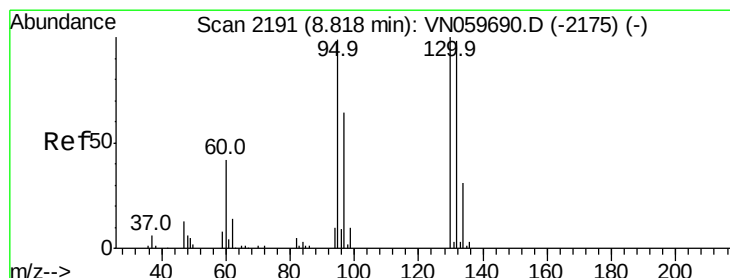
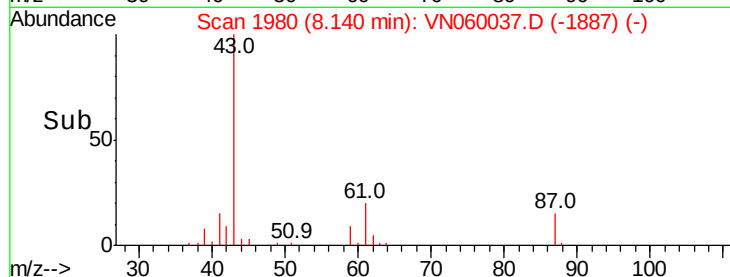
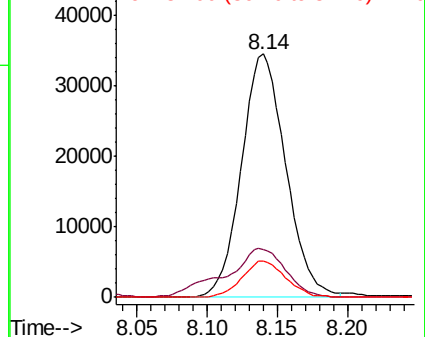
87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.655 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060037.D

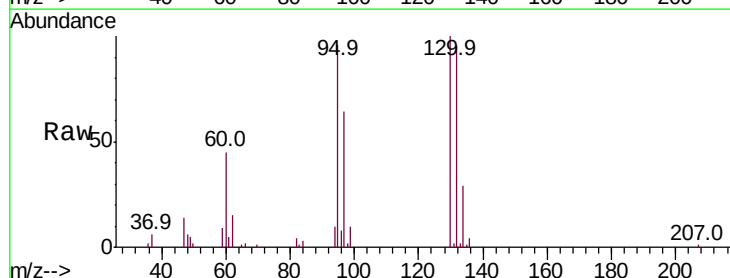
Acq: 10 Feb 2020 11:46

Tgt Ion:130 Resp: 38028

Ion Ratio Lower Upper

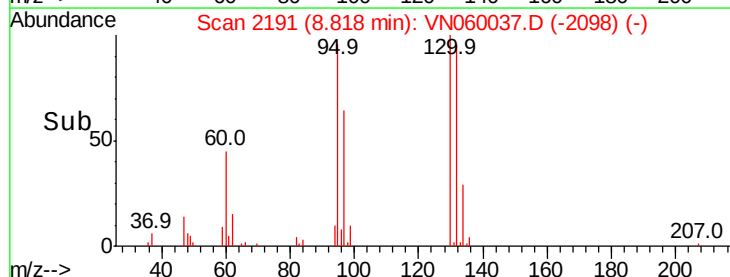
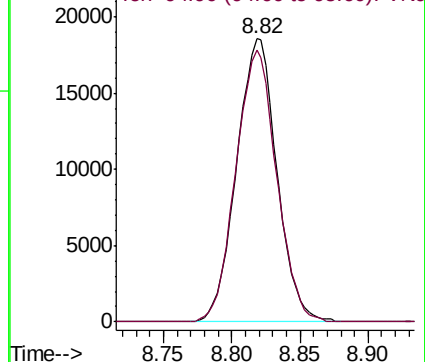
130 100

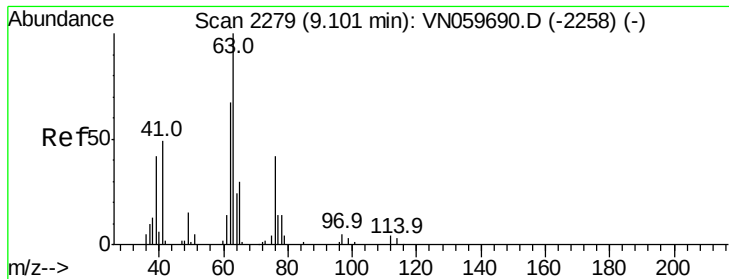
95 95.9 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.063 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

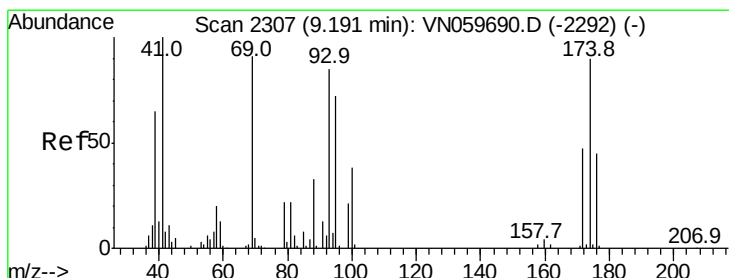
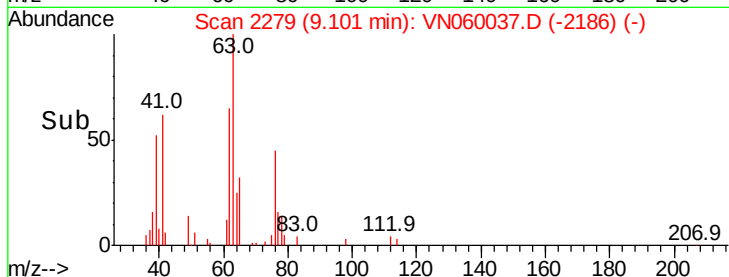
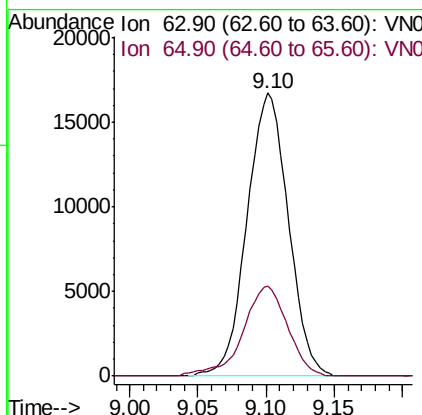
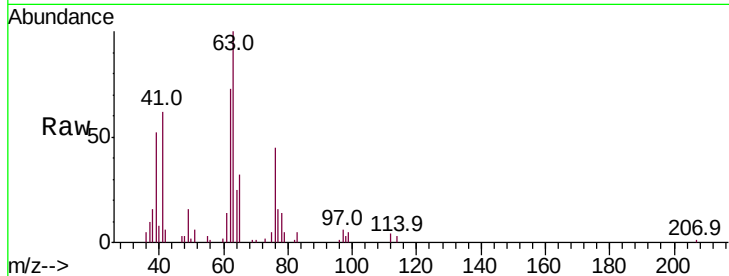
Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 35185

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.9	37.3



#46

Dibromomethane

Concen: 20.173 ug/l

RT: 9.19 min Scan# 2307

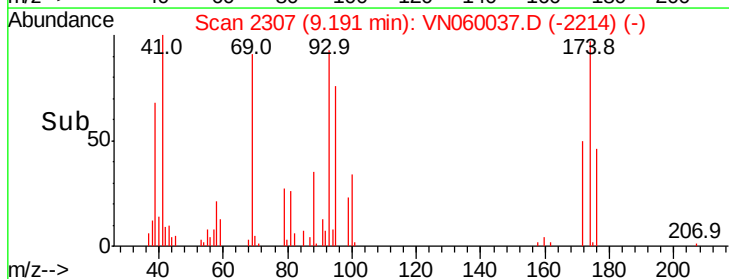
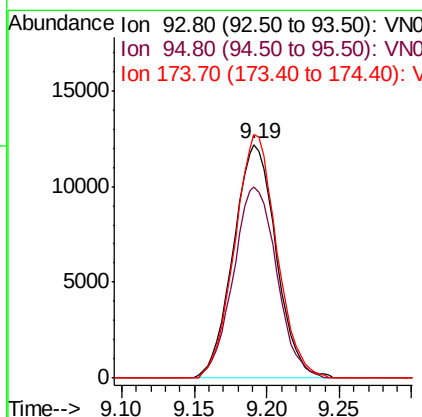
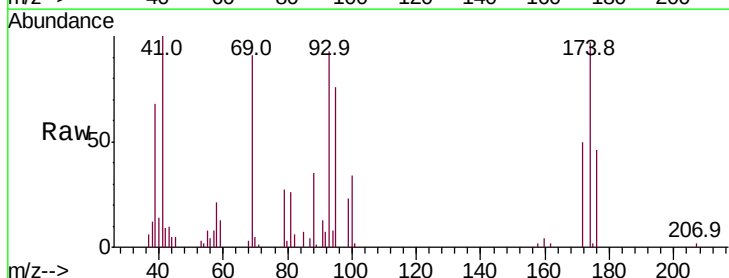
Delta R.T. 0.00 min

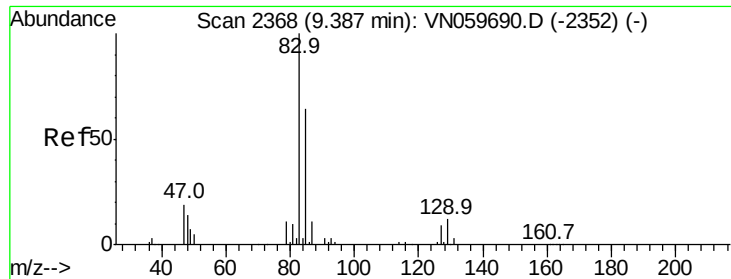
Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 93 Resp: 24957

Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.0	100.6
174	102.4	73.4	110.2

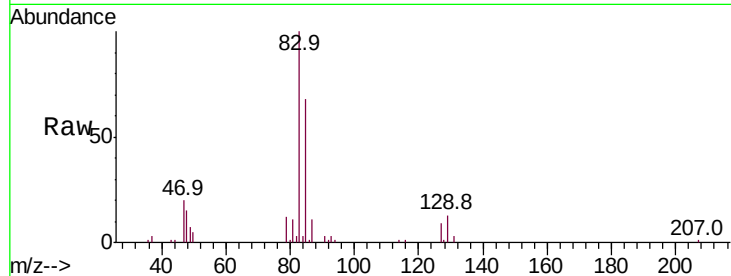




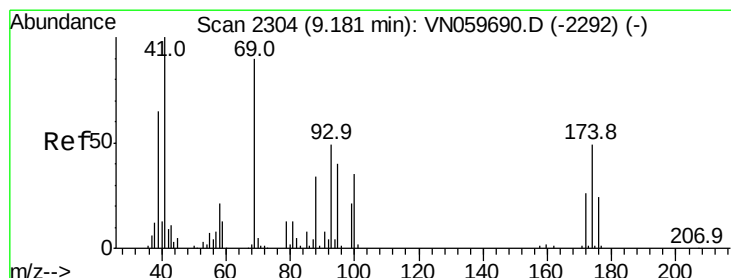
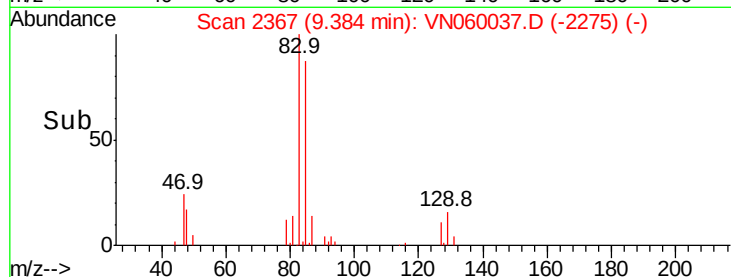
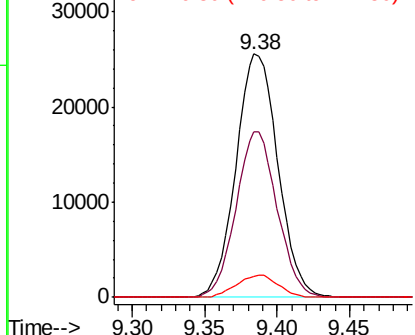
#47
Bromodichloromethane
Concen: 20.621 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 51408
Ion Ratio Lower Upper
83 100
85 68.2 51.1 76.7
127 8.6 6.6 9.8

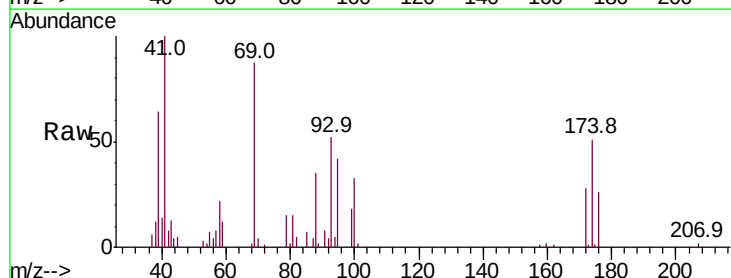


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

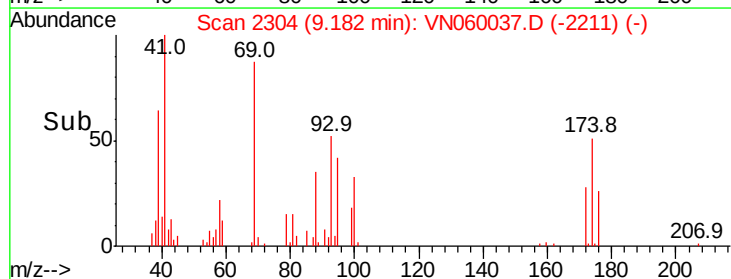
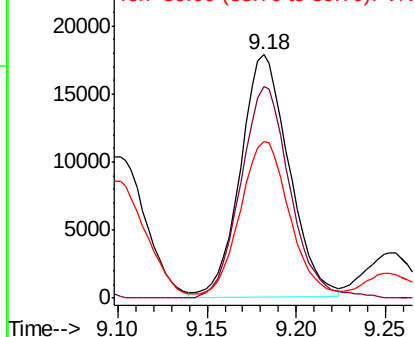


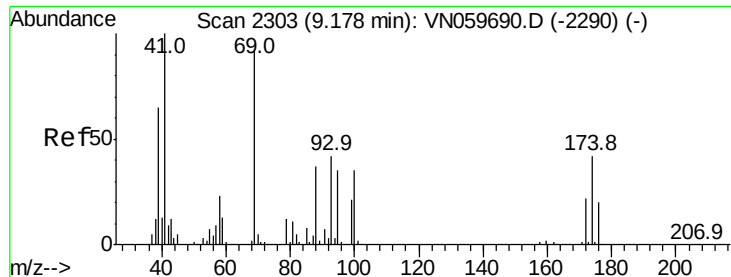
#48
Methyl methacrylate
Concen: 19.762 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 41 Resp: 33889
Ion Ratio Lower Upper
41 100
69 88.7 64.4 96.6
39 66.6 51.3 76.9



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

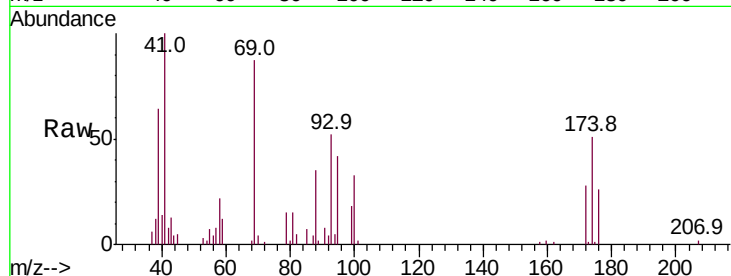




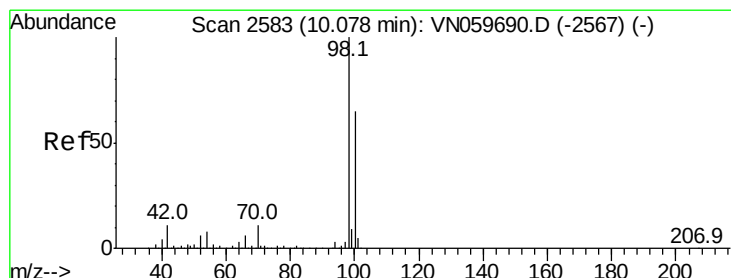
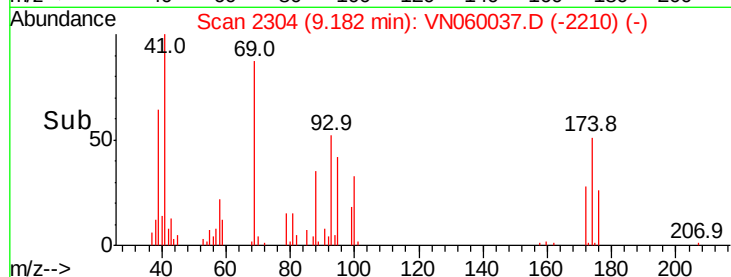
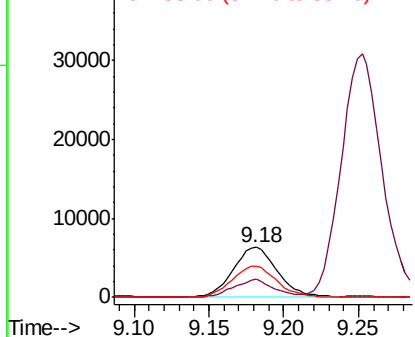
#49
1,4-Dioxane
Concen: 414.528 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13013
Ion Ratio Lower Upper
88 100
43 33.2 29.7 44.5
58 62.7 56.6 85.0

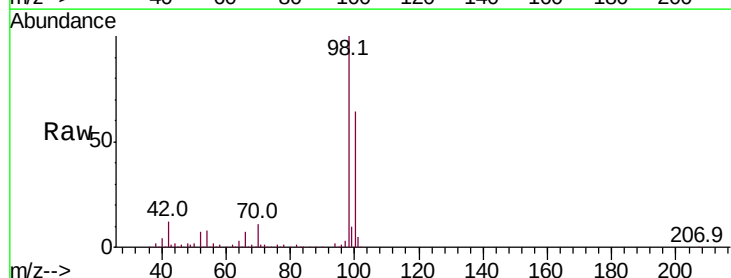


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

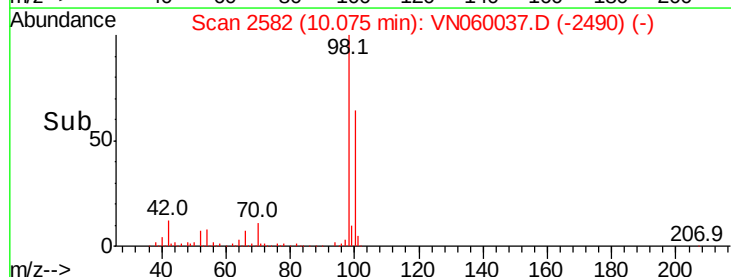
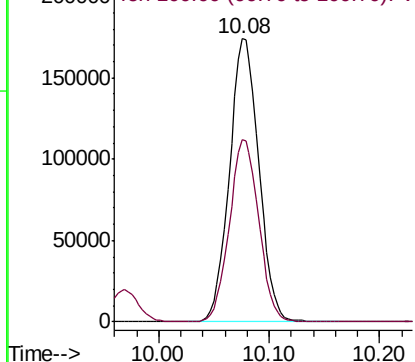


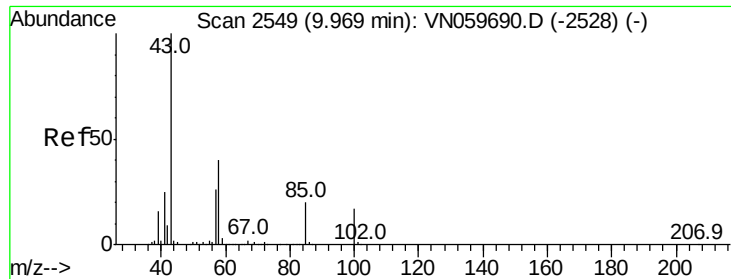
#50
Toluene-d8
Concen: 50.964 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion: 98 Resp: 321336
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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

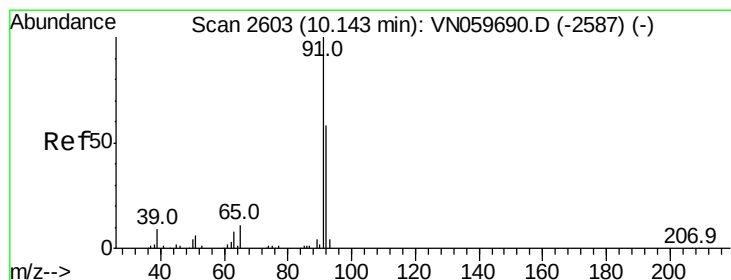
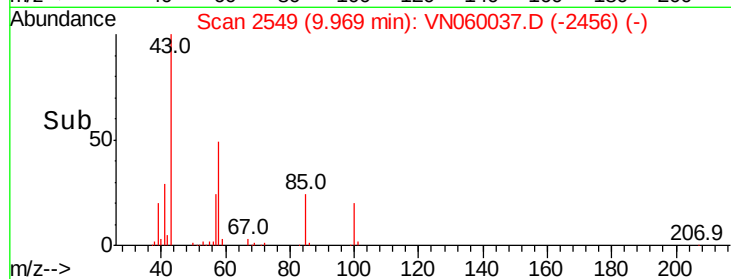
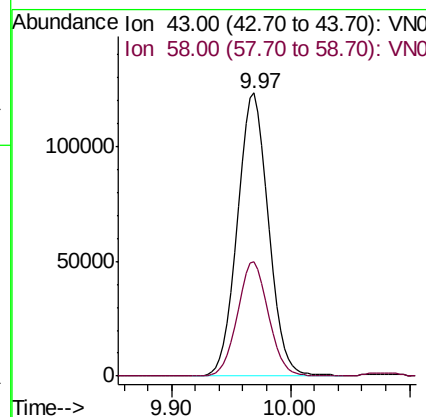
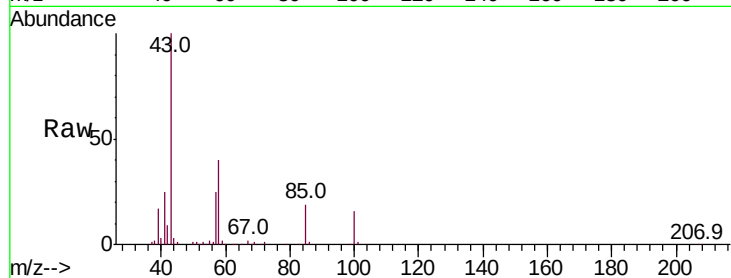




#51
 4-Methyl-2-Pentanone
 Concen: 100.837 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

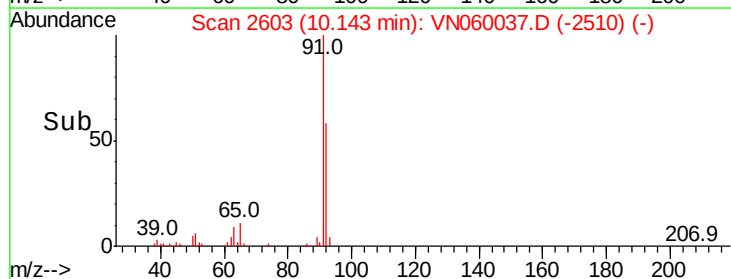
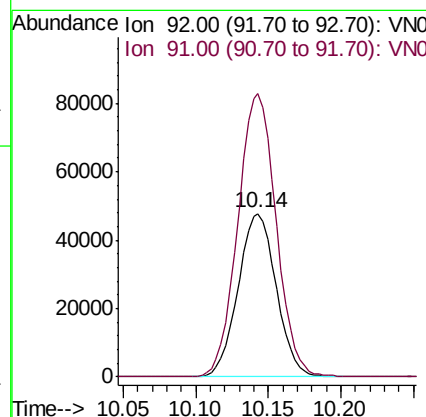
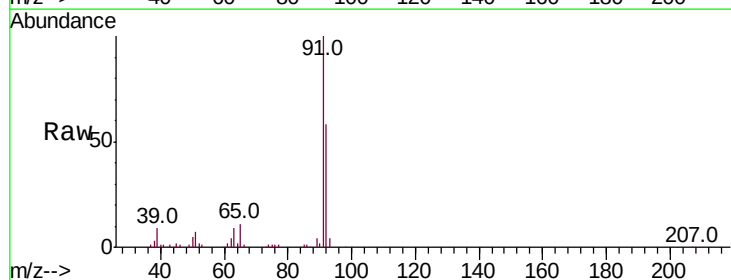
Instrument :
 MSVOA_N
 ClientSampled :

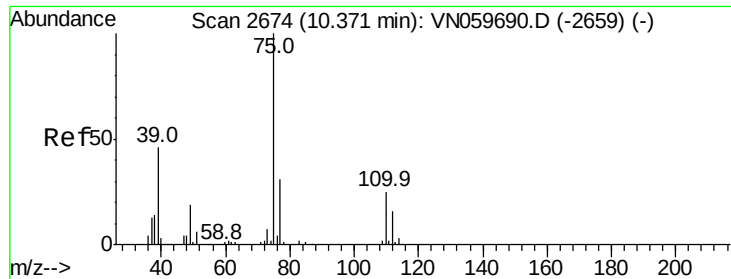
Tot Ion: 43 Resp: 223473
 Ion Ratio Lower Upper
 43 100
 58 40.1 29.8 44.8



#52
 Toluene
 Concen: 19.483 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion: 92 Resp: 87218
 Ion Ratio Lower Upper
 92 100
 91 174.4 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.786 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

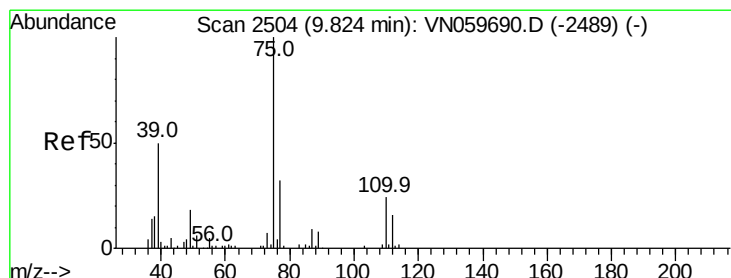
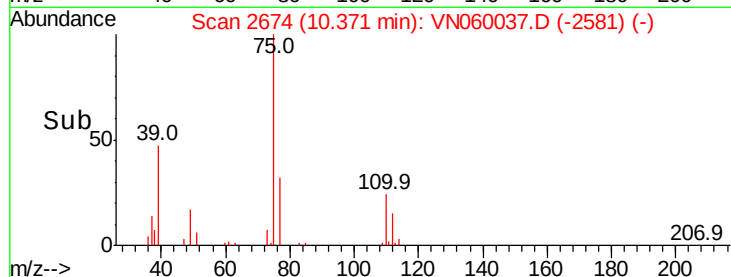
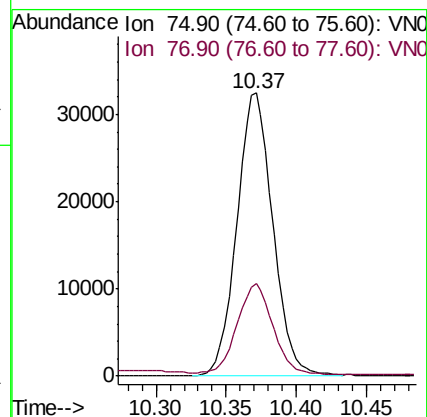
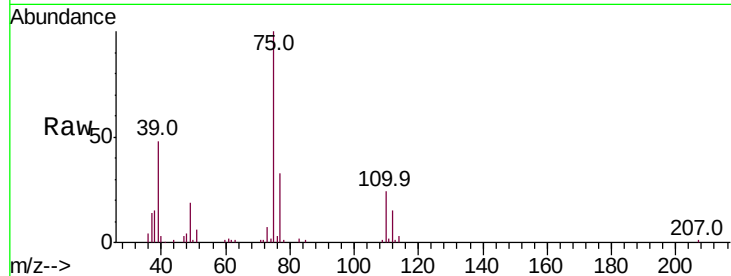
ClientSampleId :

Tot Ion: 75 Resp: 57862

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.103 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

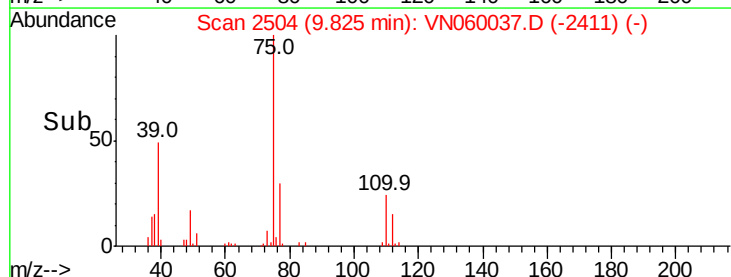
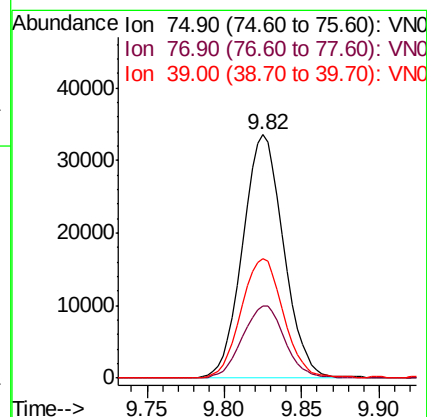
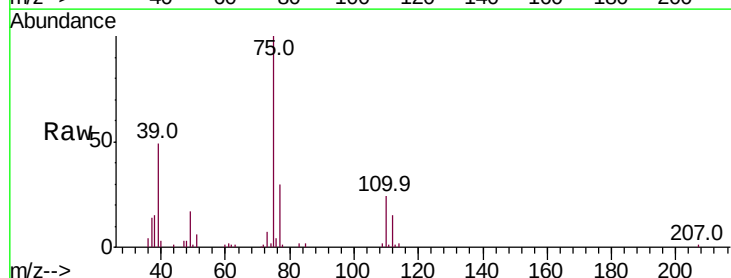
Tgt Ion: 75 Resp: 61810

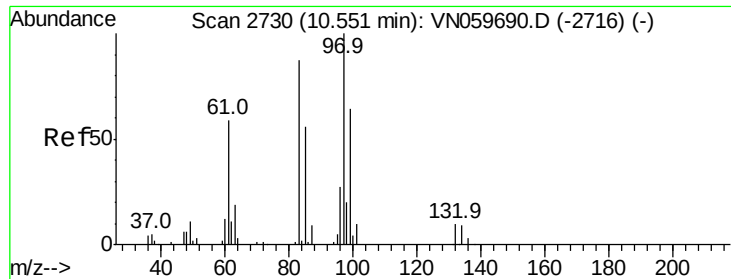
Ion Ratio Lower Upper

75 100

77 29.6 25.1 37.7

39 49.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.808 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

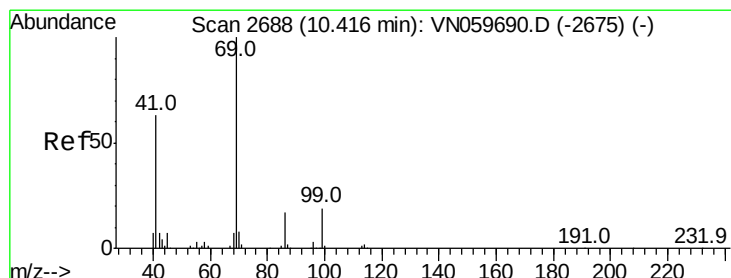
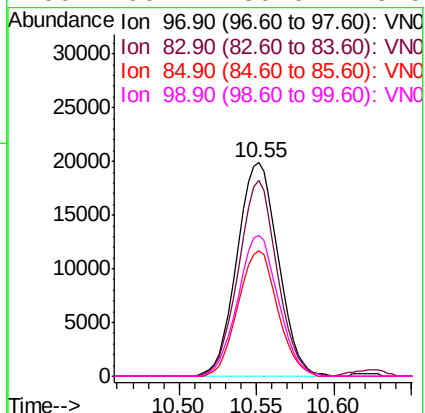
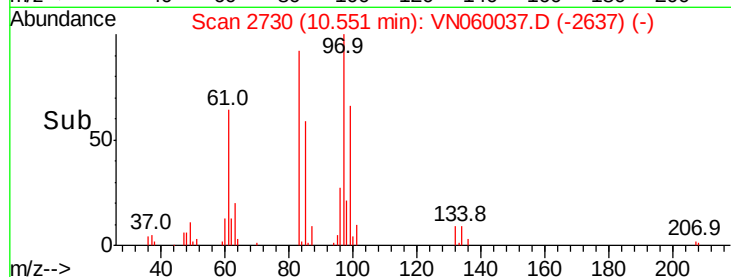
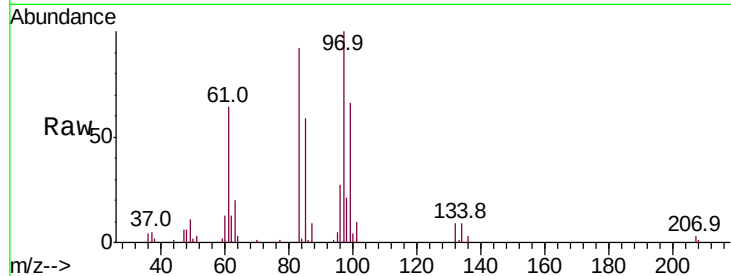
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 36893

Ion	Ratio	Lower	Upper
97	100		
83	91.8	71.3	106.9
85	58.7	45.8	68.8
99	66.2	50.0	75.0



#56

Ethyl methacrylate

Concen: 19.117 ug/l

RT: 10.42 min Scan# 2689

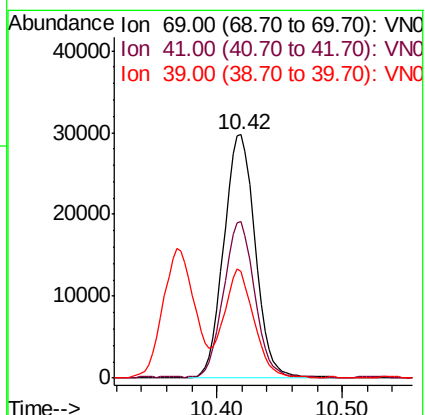
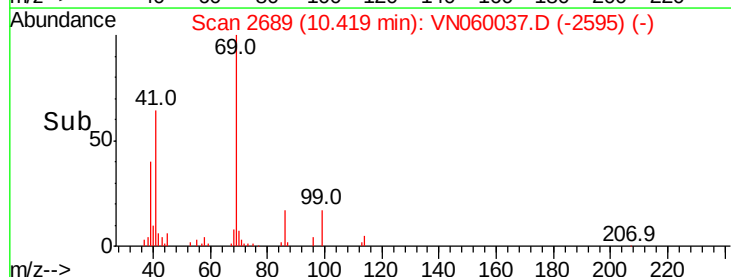
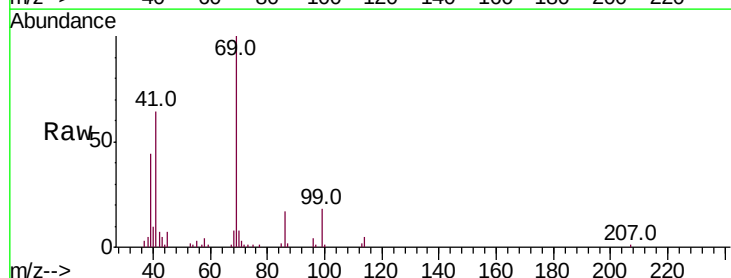
Delta R.T. 0.00 min

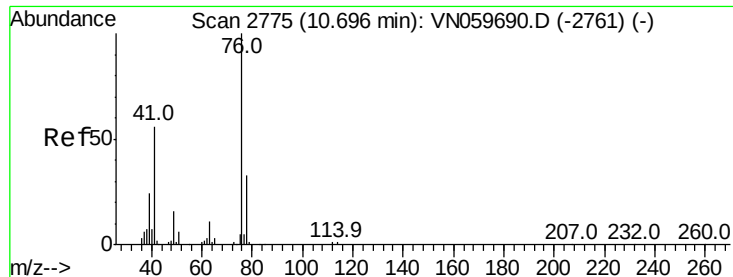
Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 69 Resp: 51792

Ion	Ratio	Lower	Upper
69	100		
41	64.2	57.1	85.7
39	43.6	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.419 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

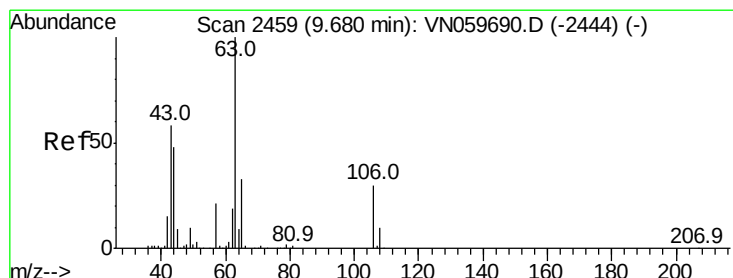
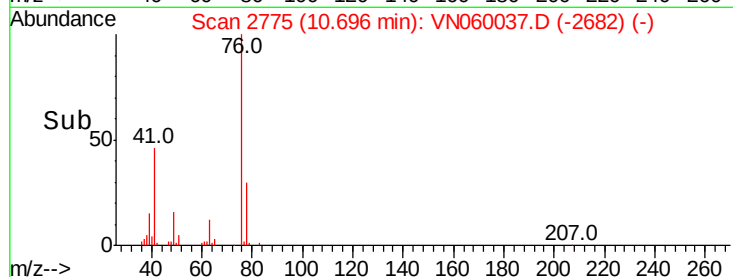
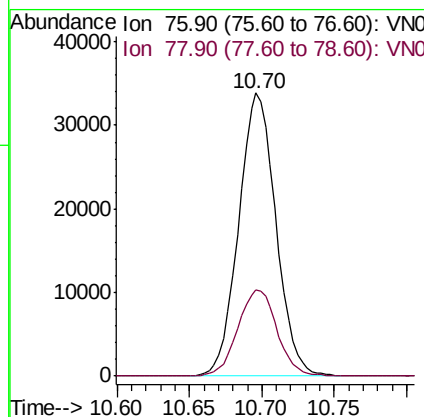
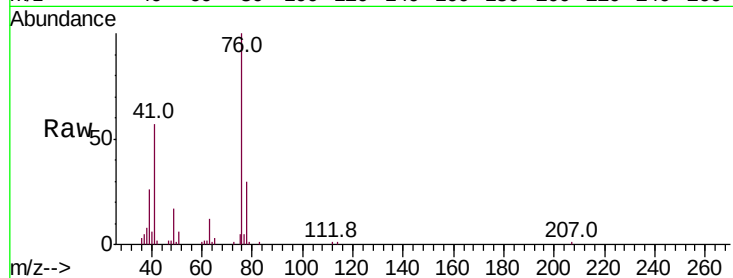
ClientSampleId :

Tot Ion: 76 Resp: 60293

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 108.056 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060037.D

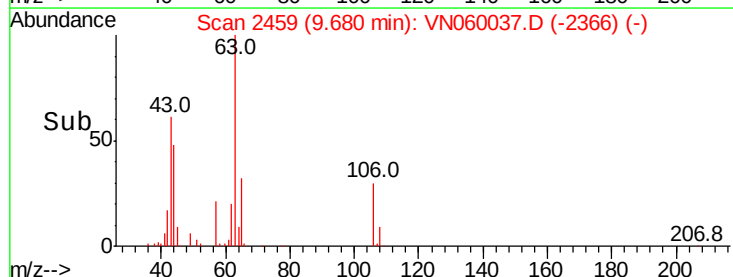
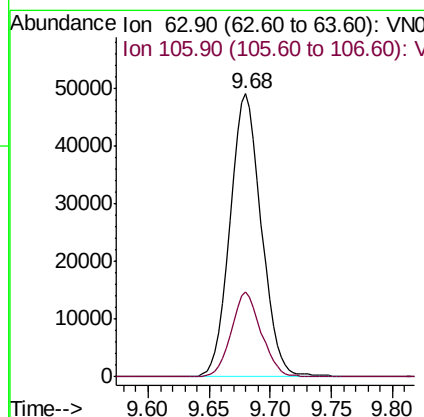
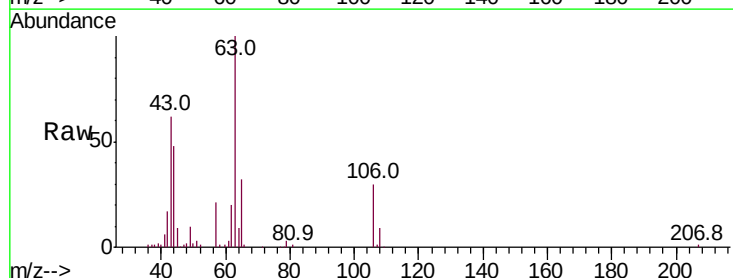
Acq: 10 Feb 2020 11:46

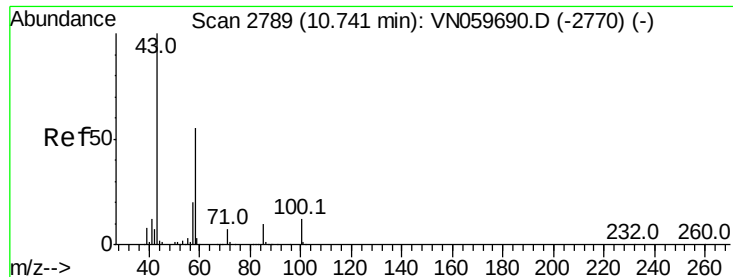
Tgt Ion: 63 Resp: 88176

Ion Ratio Lower Upper

63 100

106 28.6 20.2 30.2

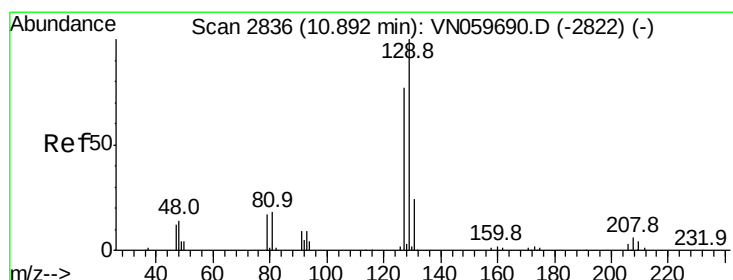
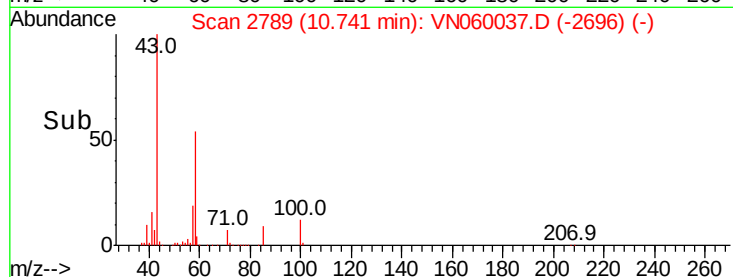
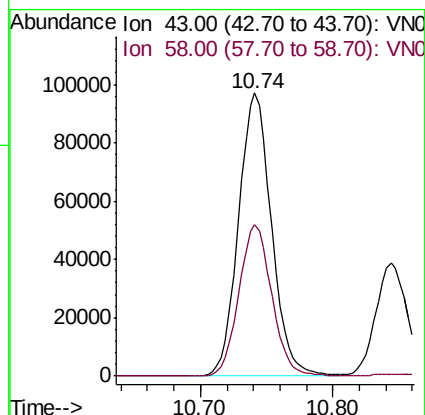
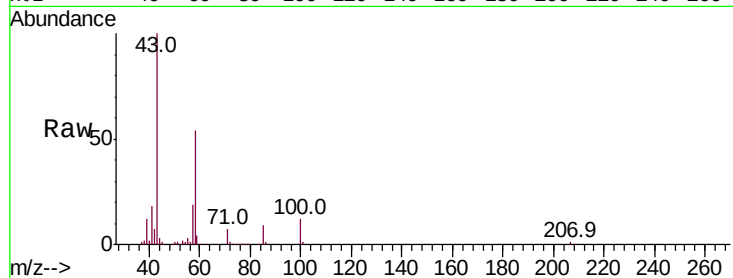




#59
2-Hexanone
Concen: 102.769 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

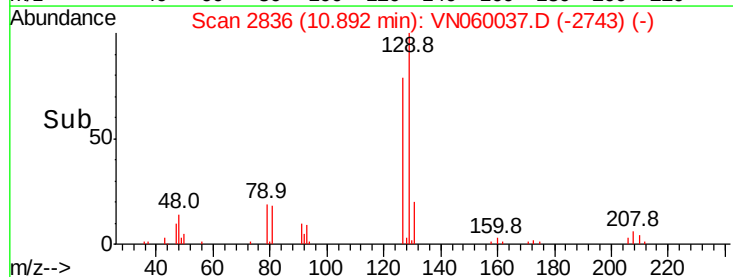
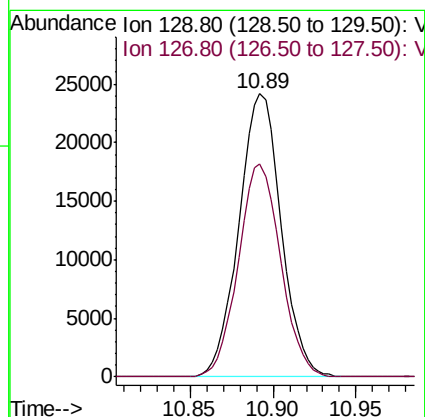
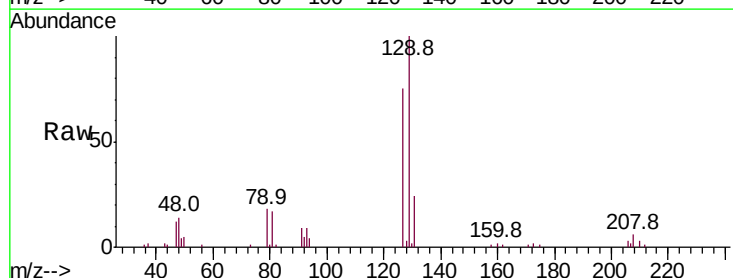
Instrument :
MSVOA_N
ClientSampled :

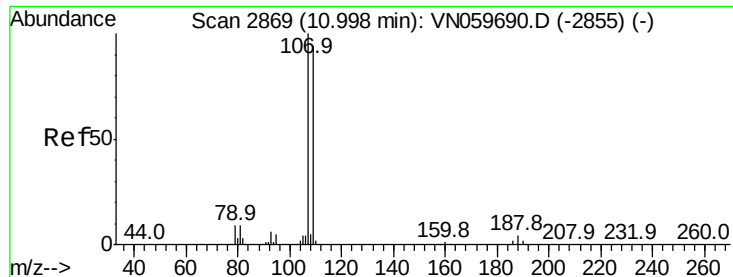
Tot Ion: 43 Resp: 167787
Ion Ratio Lower Upper
43 100
58 53.4 25.8 77.3



#60
Dibromochloromethane
Concen: 21.223 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion:129 Resp: 42851
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5

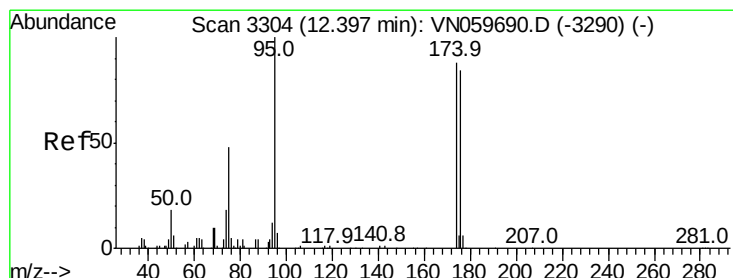
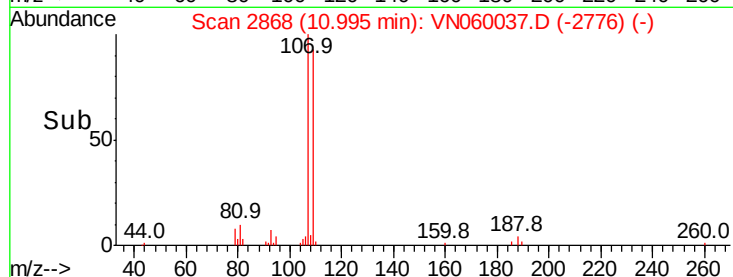
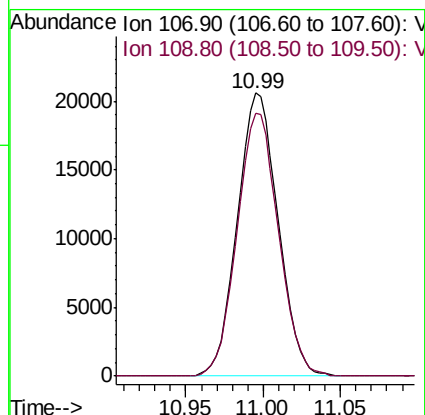
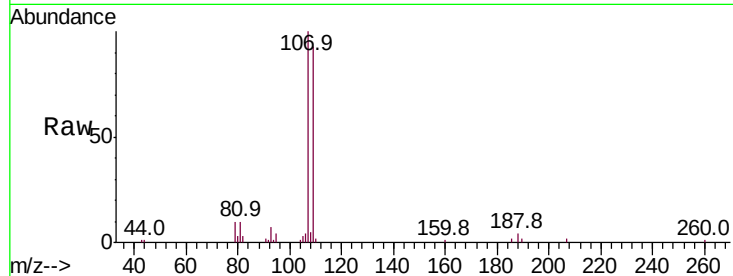




#61
 1,2-Dibromoethane
 Concen: 20.224 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

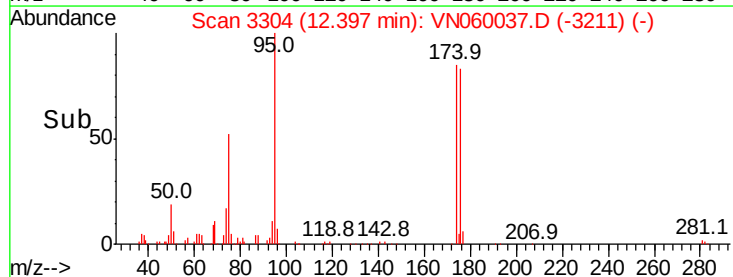
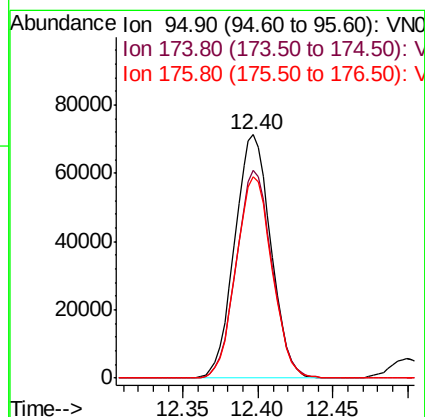
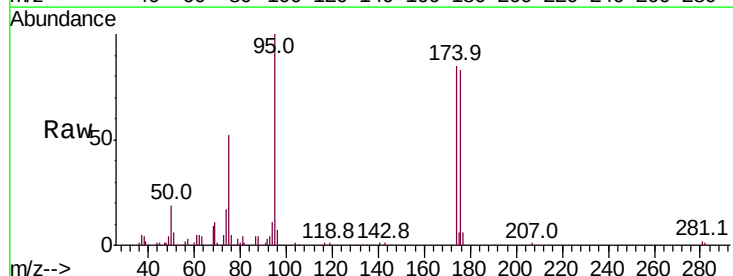
Instrument :
 MSVOA_N
 ClientSampleId :

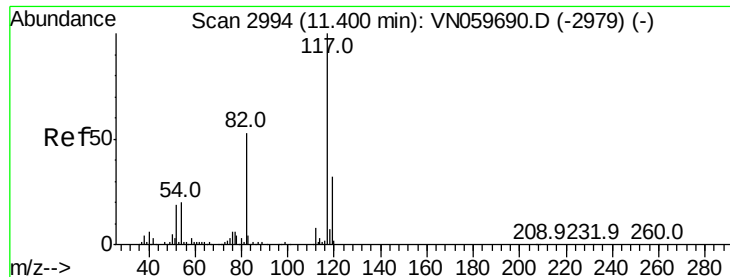
Tot Ion:107 Resp: 37584
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 52.788 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion: 95 Resp: 119988
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 151.4
 176 82.4 0.0 146.0

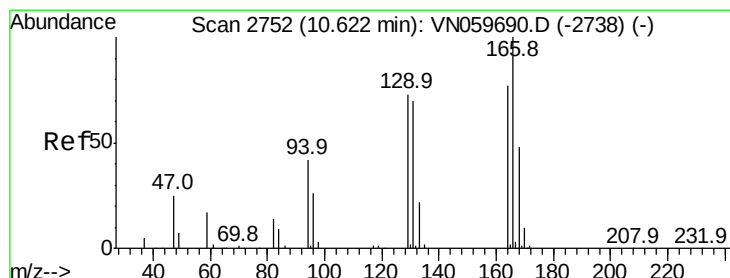
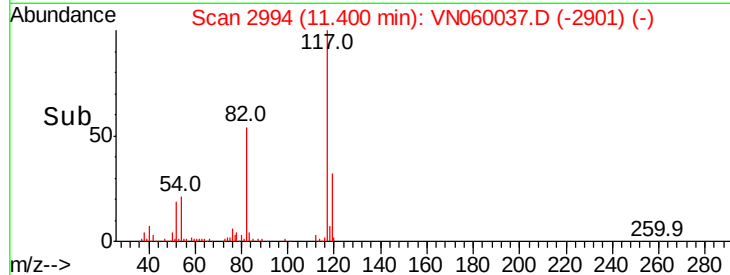
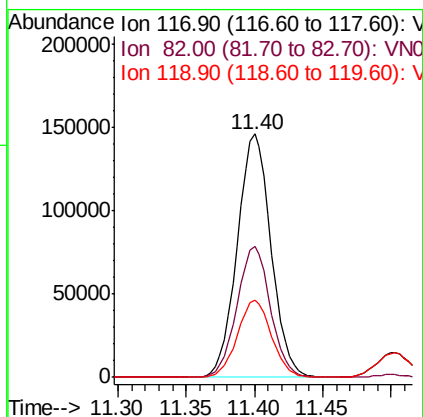
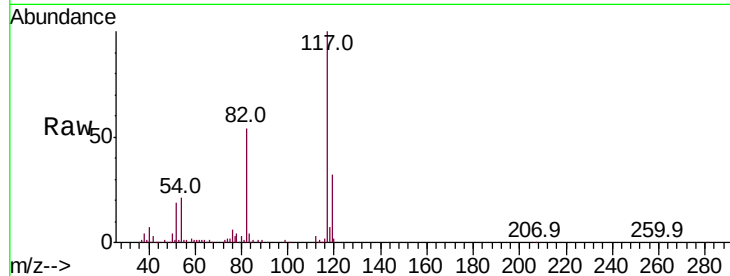




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

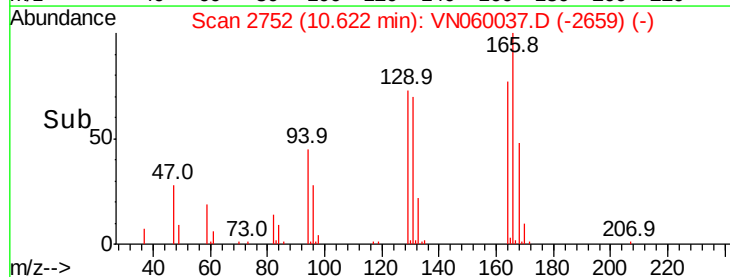
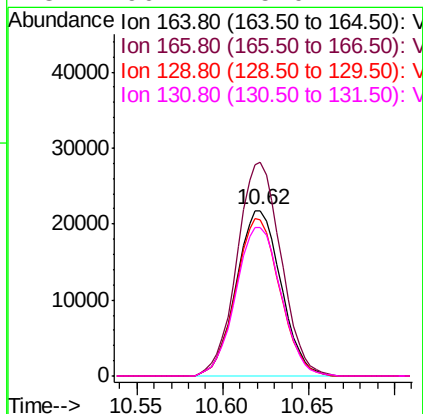
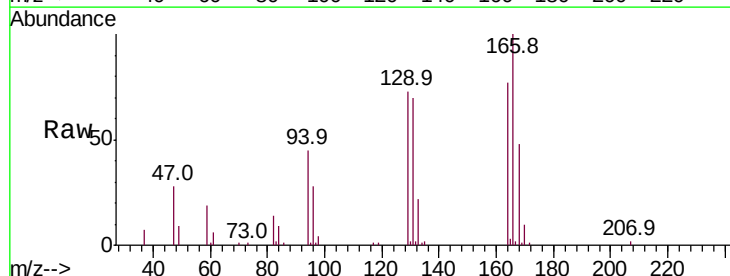
Instrument :
MSVOA_N
ClientSampleId :

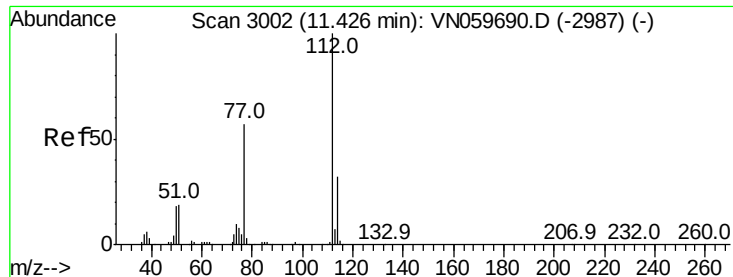
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	31.9	25.5	38.3



#64
Tetrachloroethene
Concen: 19.237 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.4	152.0
129	94.6	80.2	120.4
131	90.1	75.0	112.4





#65

Chlorobenzene

Concen: 19.442 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

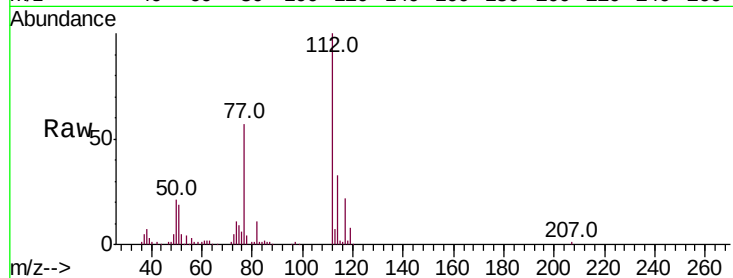
ClientSampleId :

Tot Ion:112 Resp: 95909

Ion Ratio Lower Upper

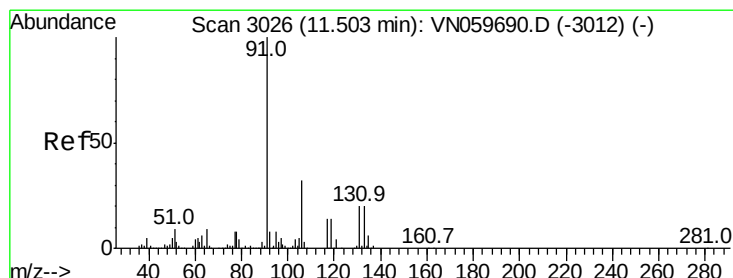
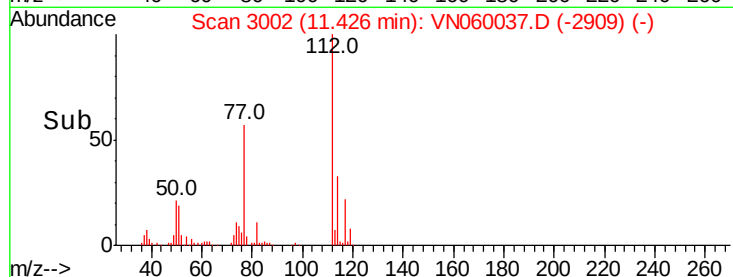
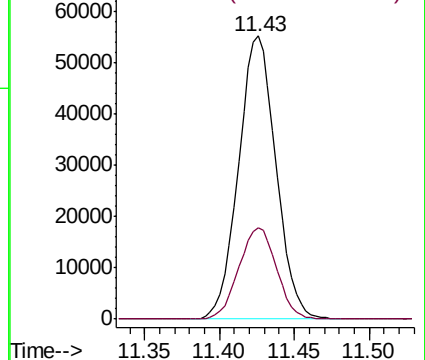
112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.180 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

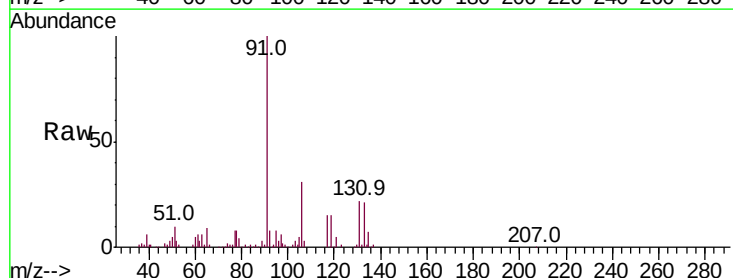
Tgt Ion:131 Resp: 38464

Ion Ratio Lower Upper

131 100

133 97.0 47.4 142.2

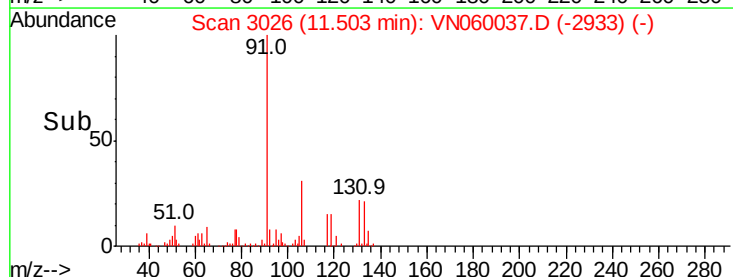
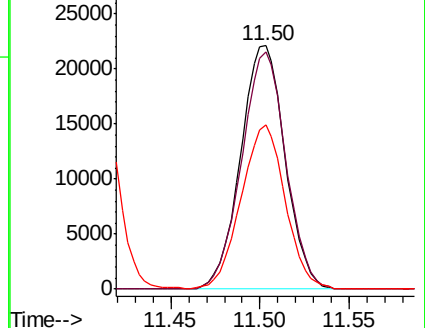
119 66.8 33.1 99.3

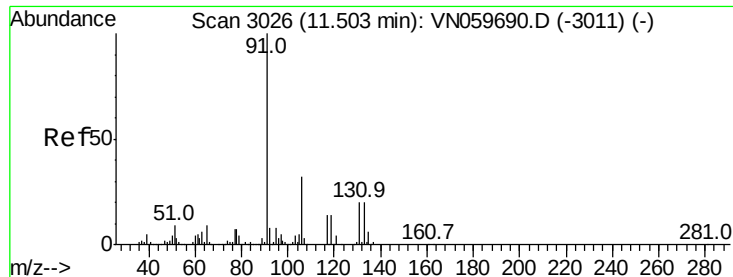


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.861 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

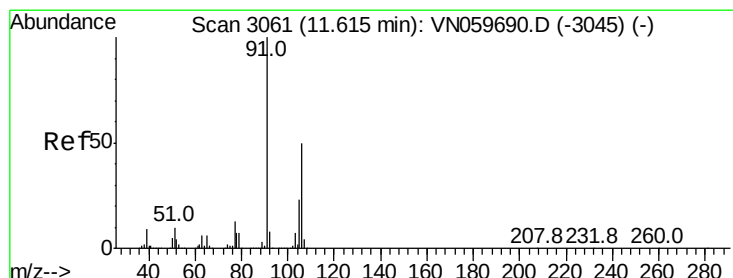
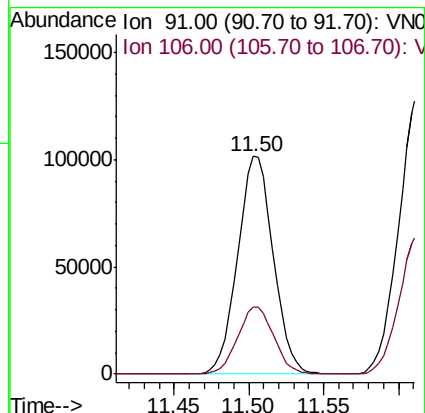
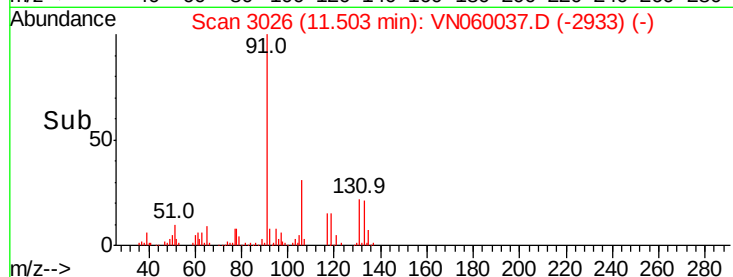
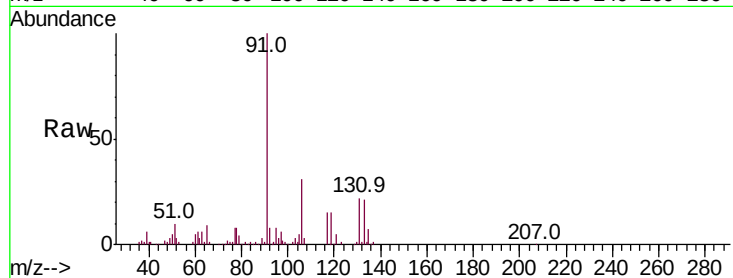
ClientSampled :

Tot Ion: 91 Resp: 168901

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 37.702 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060037.D

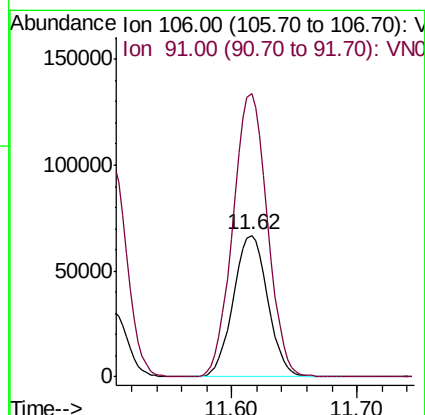
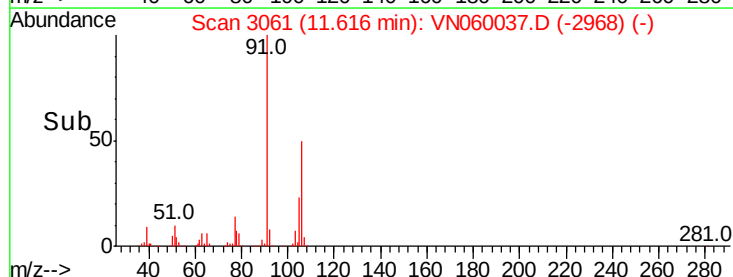
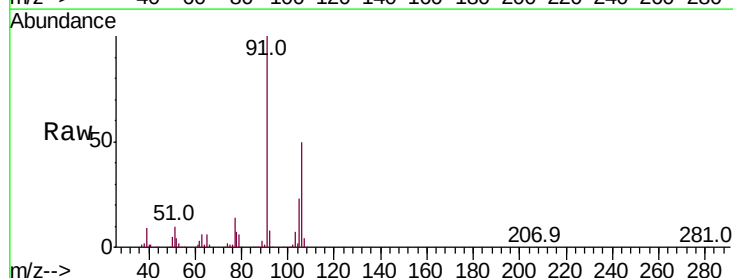
Acq: 10 Feb 2020 11:46

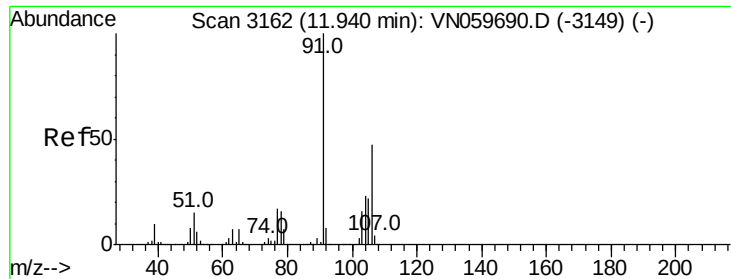
Tgt Ion: 106 Resp: 127531

Ion Ratio Lower Upper

106 100

91 199.7 167.9 251.9

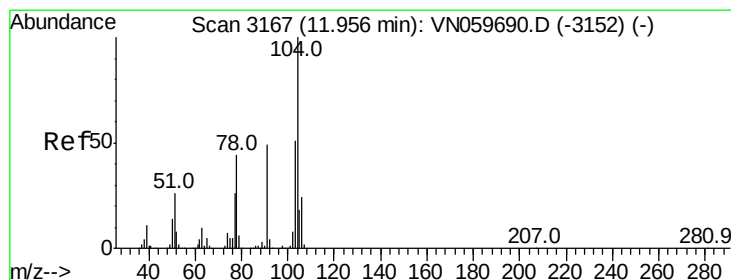
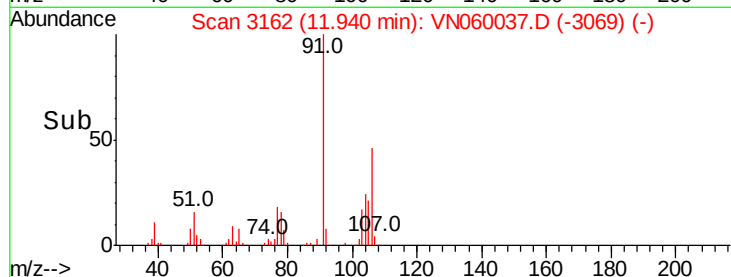
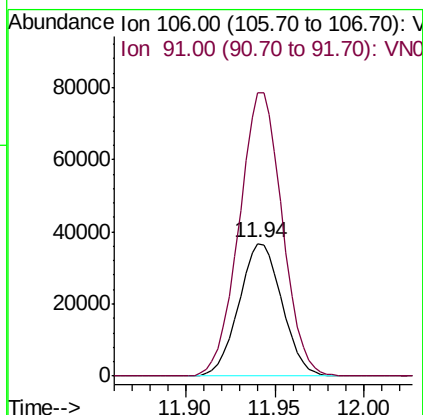
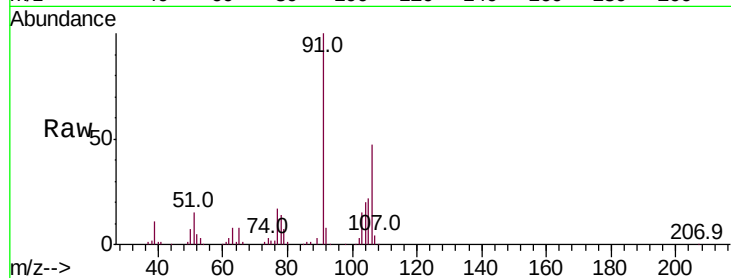




#69
o-Xylene
Concen: 18.711 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

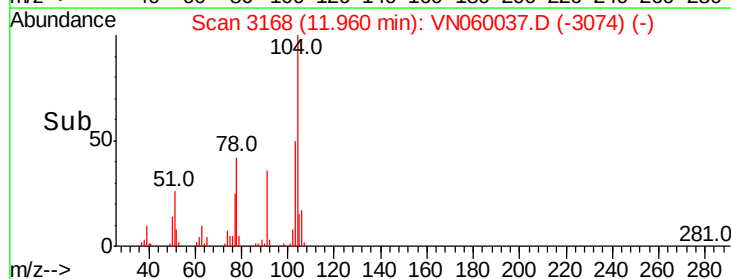
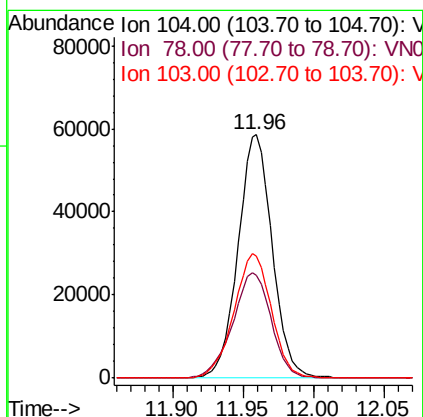
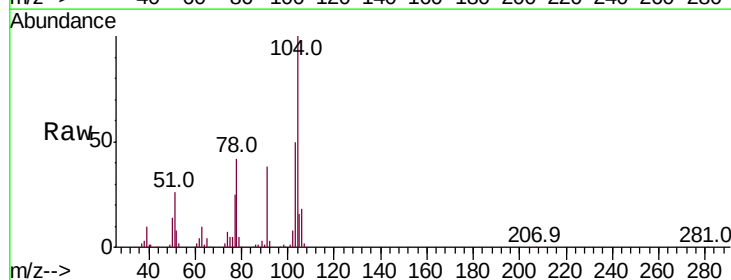
Instrument :
MSVOA_N
ClientSampleId :

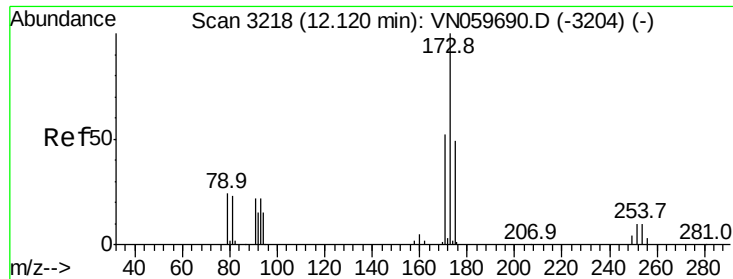
Tot Ion:106 Resp: 61962
Ion Ratio Lower Upper
106 100
91 214.3 110.3 330.9



#70
Styrene
Concen: 18.013 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion:104 Resp: 99816
Ion Ratio Lower Upper
104 100
78 48.6 42.4 63.6
103 55.9 43.9 65.9

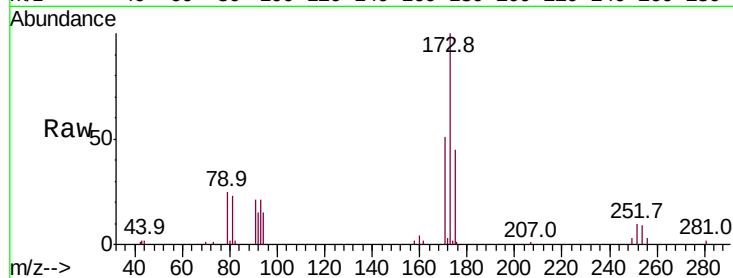




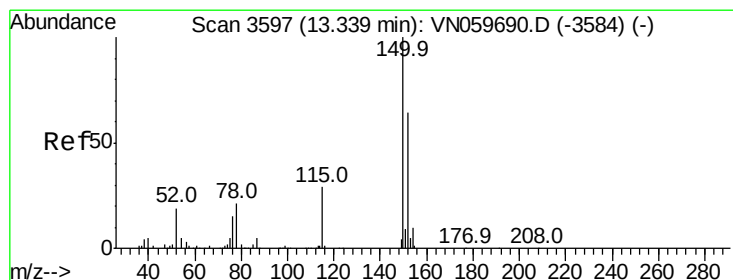
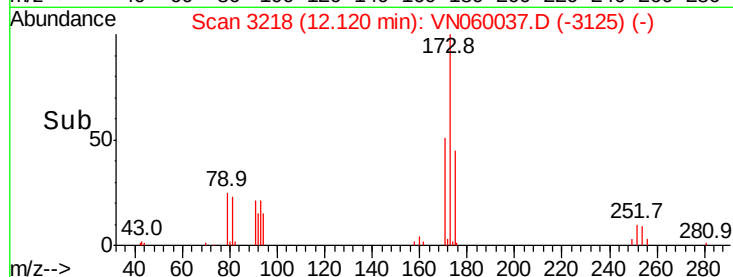
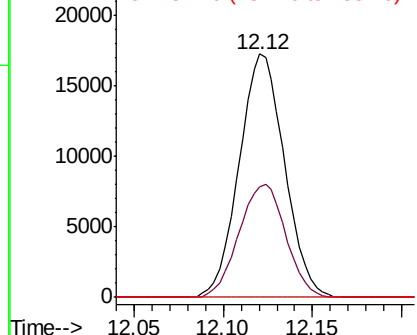
#71
Bromoform
Concen: 19.977 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 30501
Ion Ratio Lower Upper
173 100
175 47.7 23.8 71.4
254 0.0 0.0 0.0

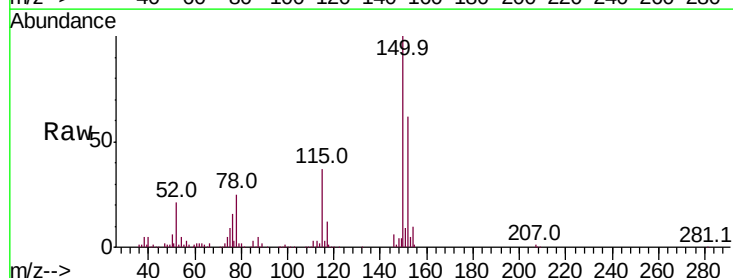


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

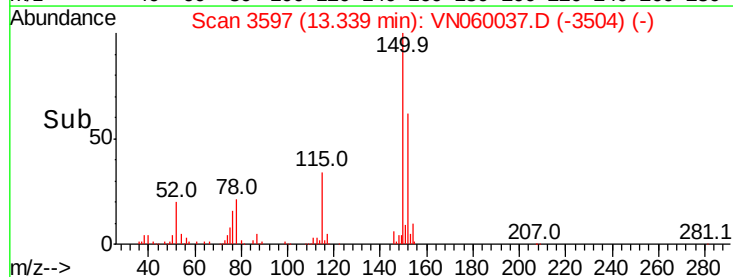
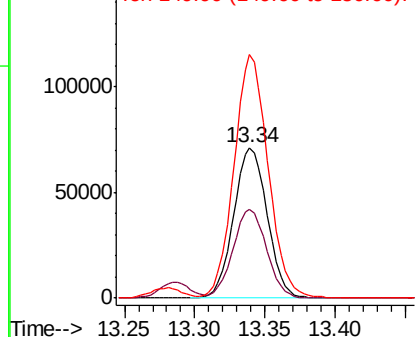


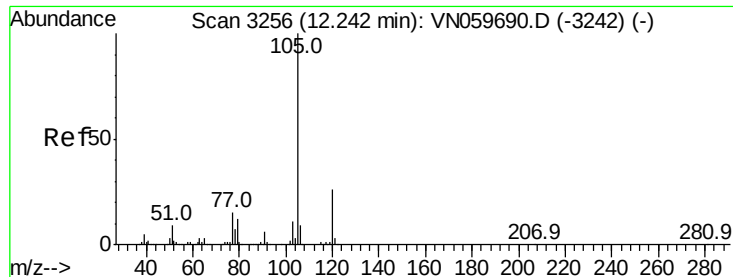
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060037.D
Acq: 10 Feb 2020 11:46

Tgt Ion:152 Resp: 118354
Ion Ratio Lower Upper
152 100
115 59.4 30.3 90.9
150 165.4 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.521 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

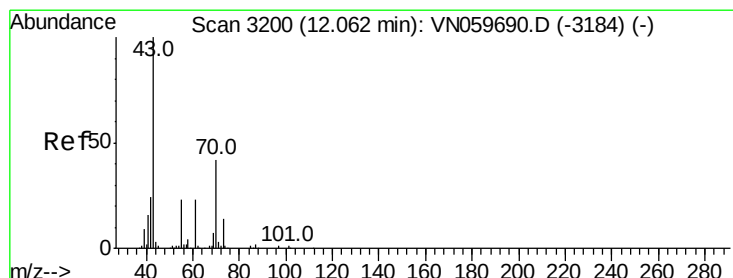
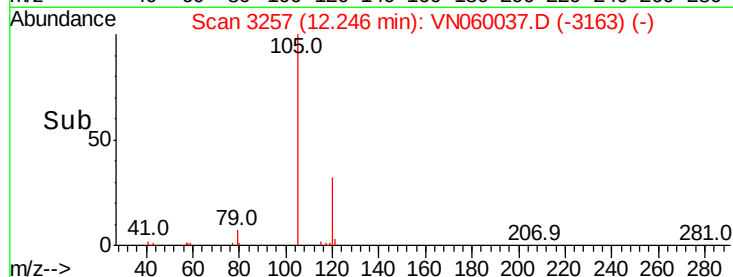
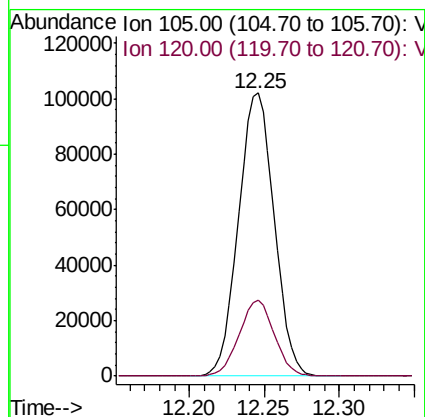
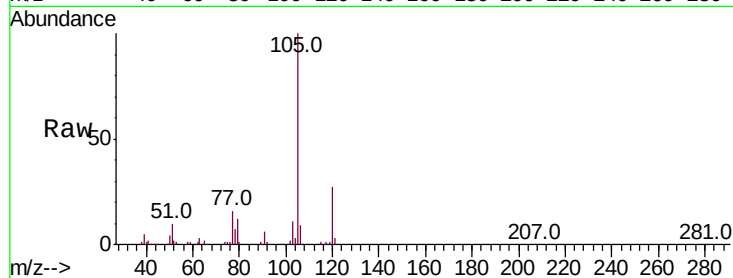
ClientSampleId :

Tot Ion:105 Resp: 169445

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 18.897 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion: 43 Resp: 63646

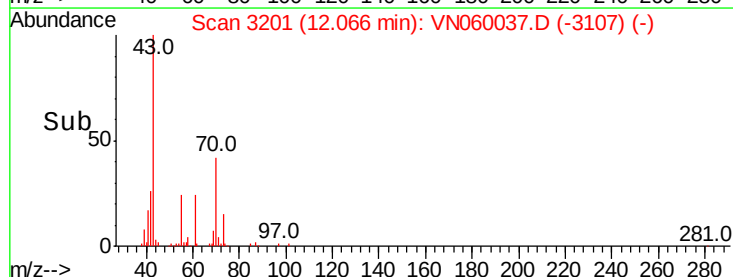
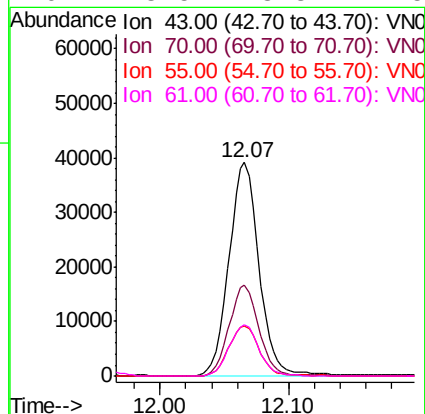
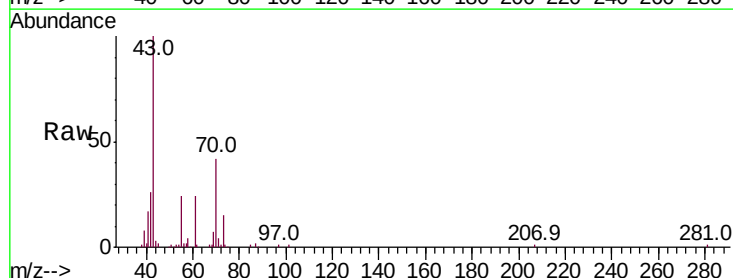
Ion Ratio Lower Upper

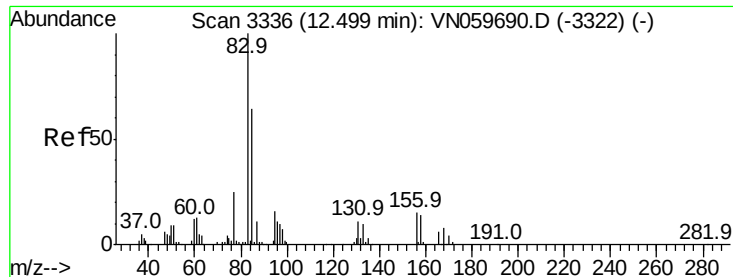
43 100

70 41.6 31.3 46.9

55 23.7 19.8 29.6

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.696 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

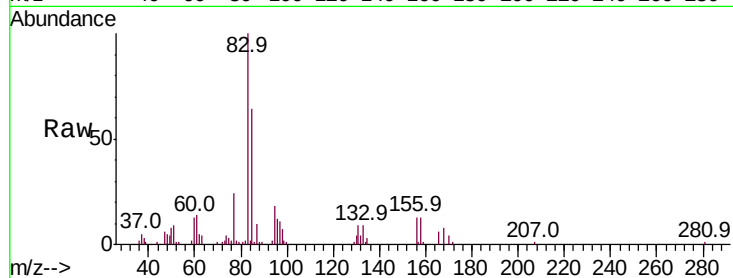
Tot Ion: 83 Resp: 52077

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

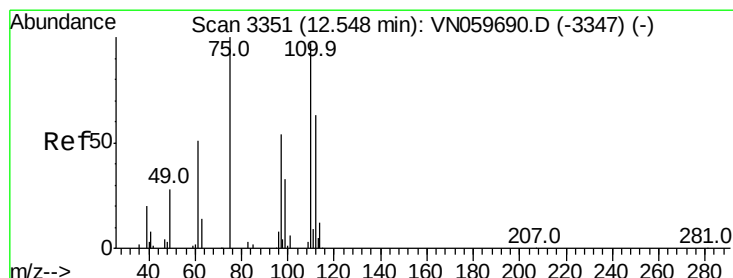
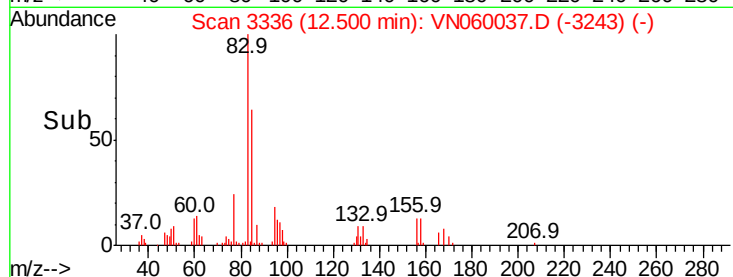
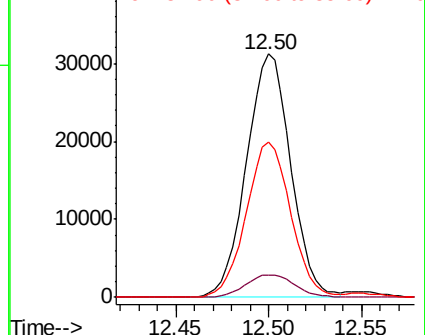
85 63.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN060037.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060037.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060037.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 34.844 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060037.D

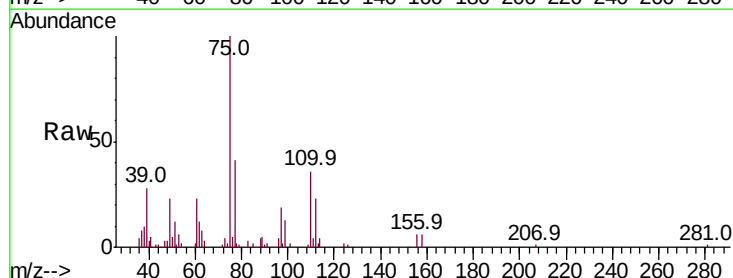
Acq: 10 Feb 2020 11:46

Tgt Ion: 75 Resp: 69402

Ion Ratio Lower Upper

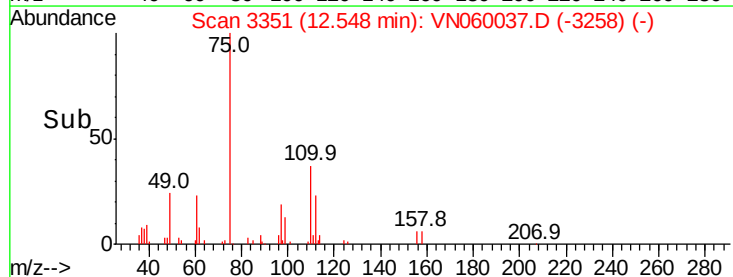
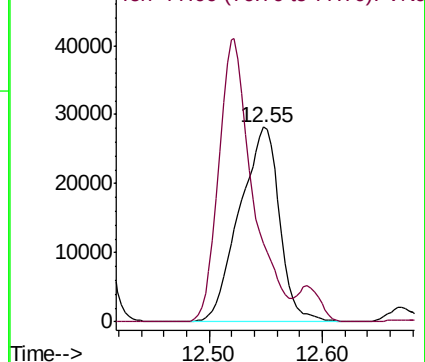
75 100

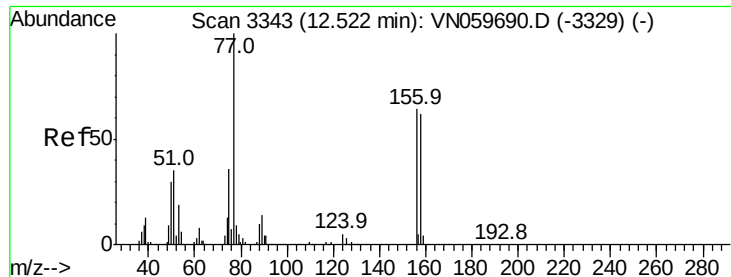
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060037.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060037.D (-3258) (-)





#77

Bromobenzene

Concen: 19.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

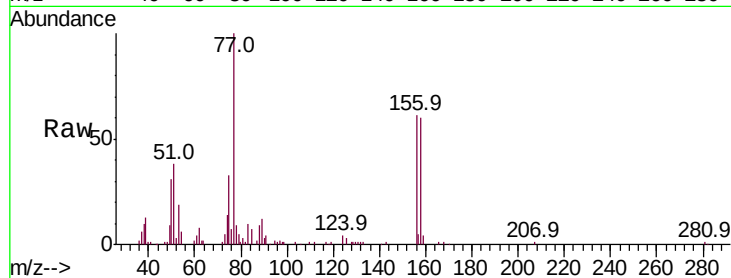
Tot Ion:156 Resp: 42291

Ion Ratio Lower Upper

156 100

77 203.3 115.8 347.4

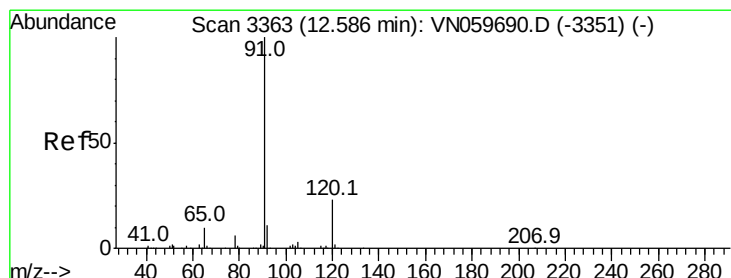
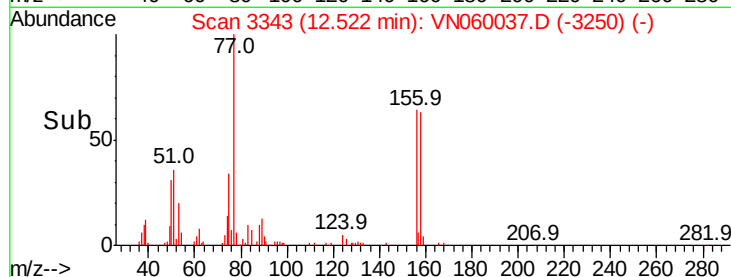
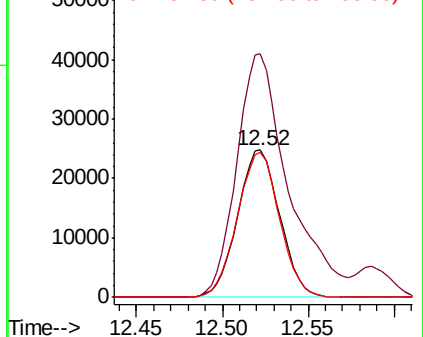
158 98.4 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.475 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060037.D

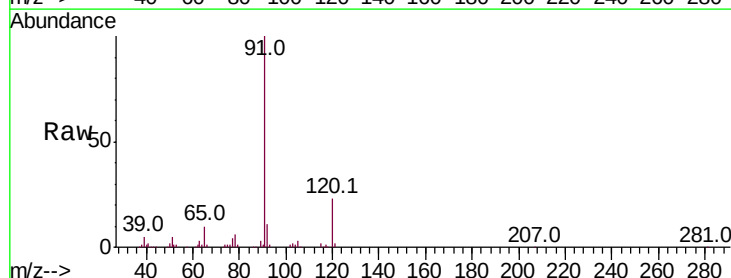
Acq: 10 Feb 2020 11:46

Tgt Ion: 91 Resp: 189732

Ion Ratio Lower Upper

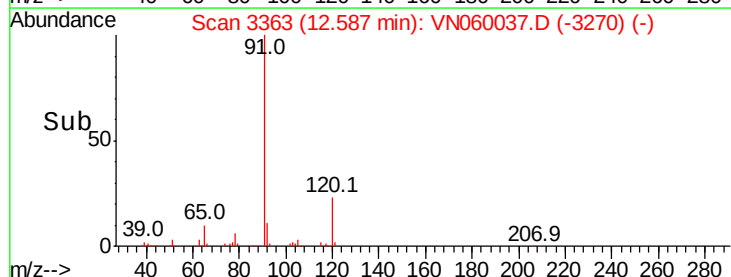
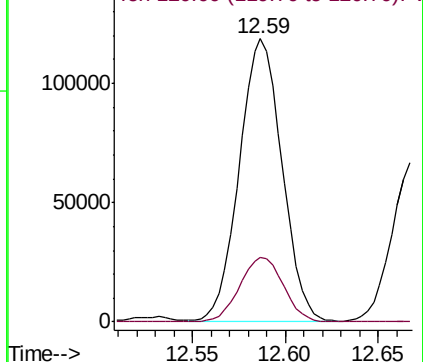
91 100

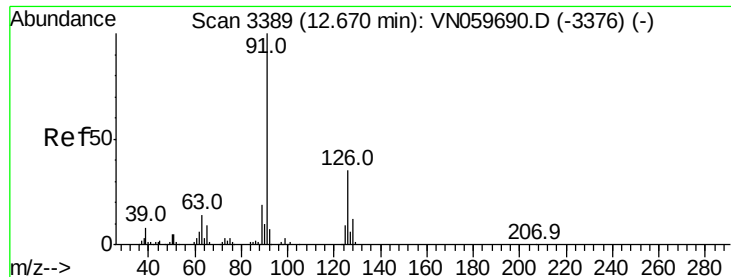
120 23.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.651 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

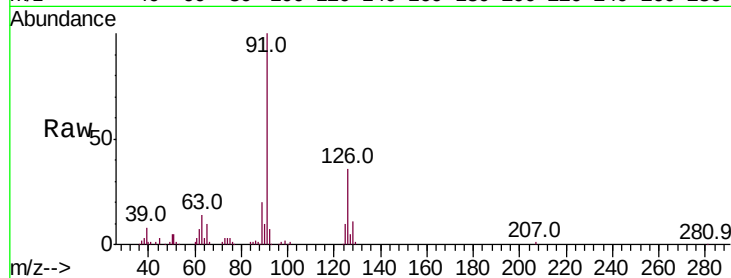
ClientSampled :

Tot Ion: 91 Resp: 113893

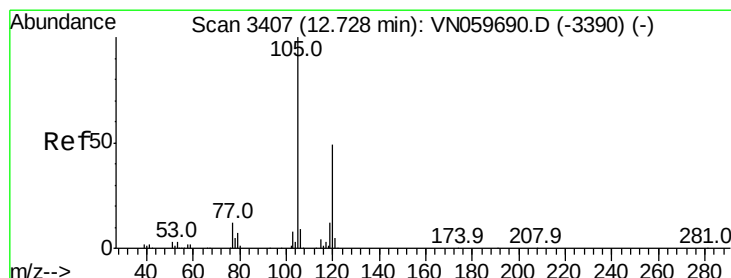
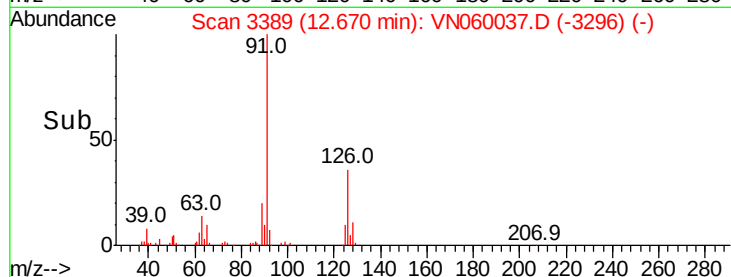
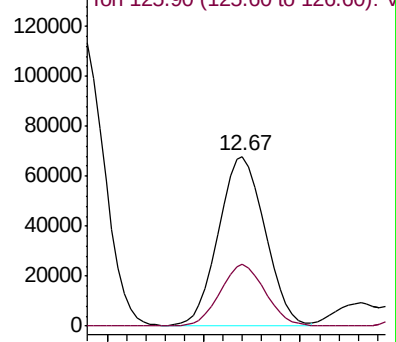
Ion Ratio Lower Upper

91 100

126 35.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN060037.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.145 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060037.D

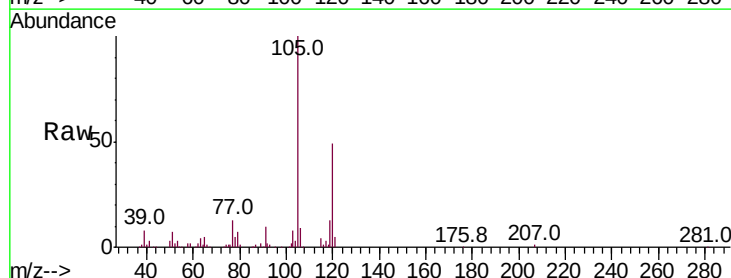
Acq: 10 Feb 2020 11:46

Tgt Ion: 105 Resp: 139757

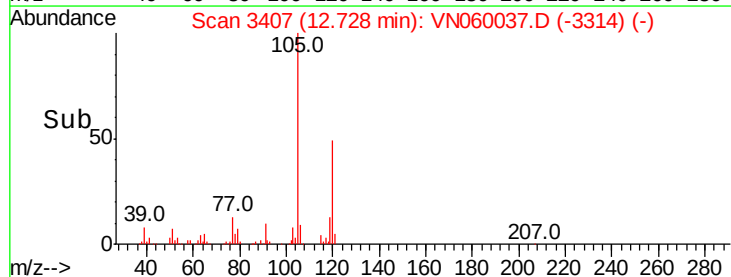
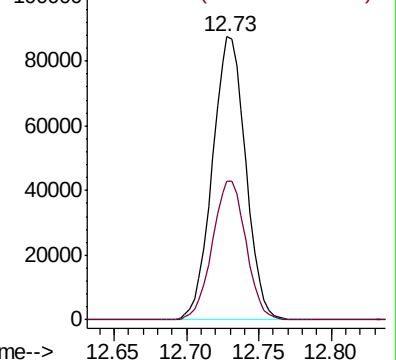
Ion Ratio Lower Upper

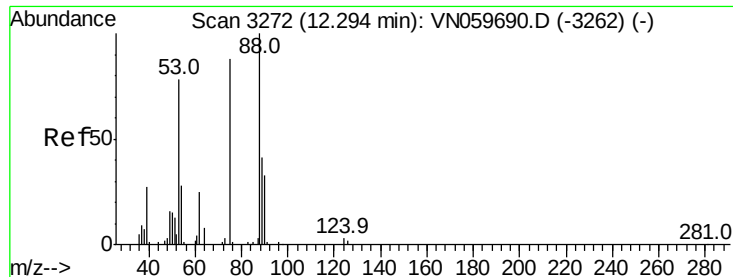
105 100

120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060037.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.405 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

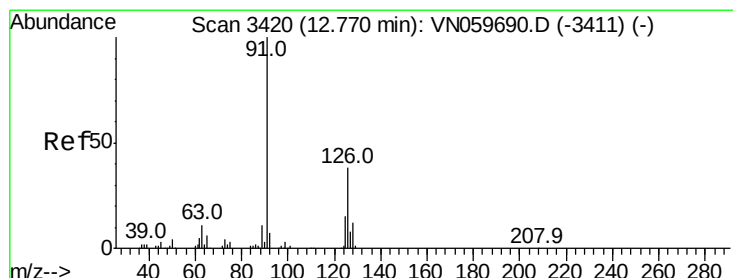
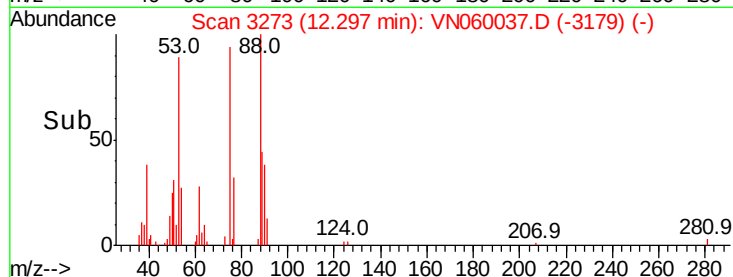
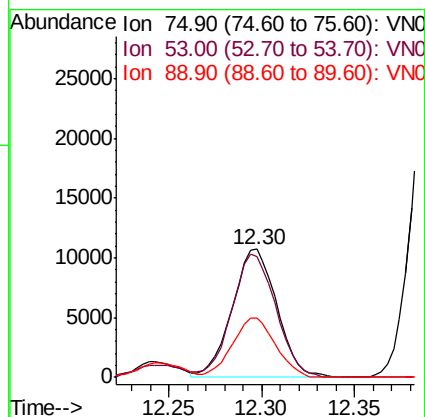
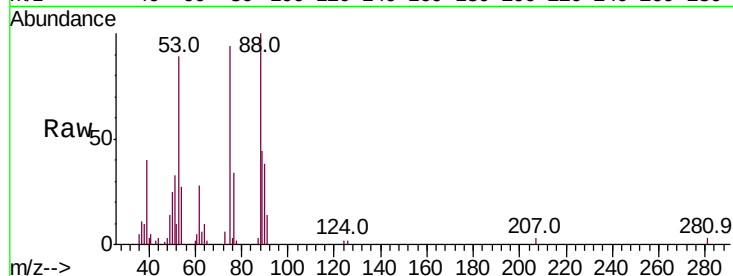
Tot Ion: 75 Resp: 17998

Ion Ratio Lower Upper

75 100

53 94.9 78.1 117.1

89 44.7 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.993 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060037.D

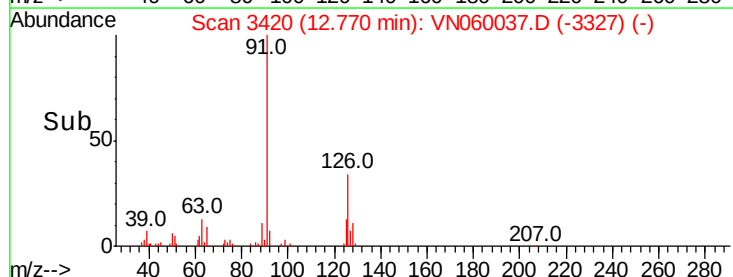
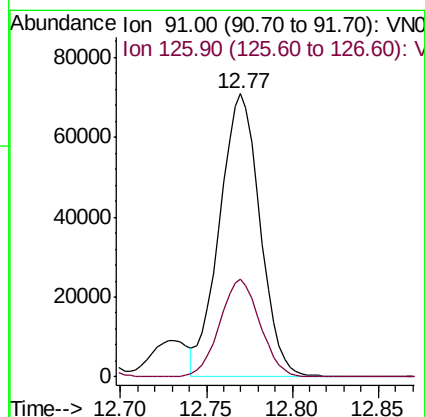
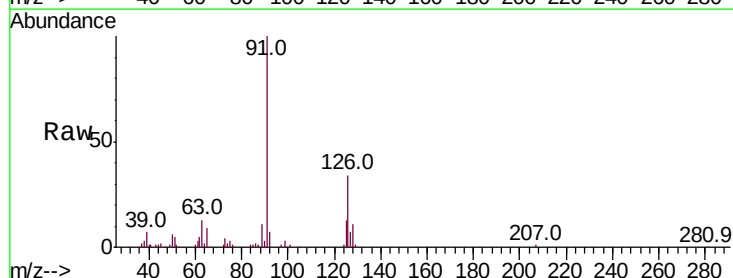
Acq: 10 Feb 2020 11:46

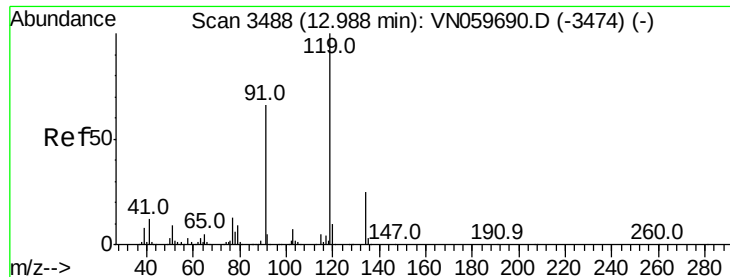
Tgt Ion: 91 Resp: 116223

Ion Ratio Lower Upper

91 100

126 34.4 16.3 48.8





#83

tert-Butylbenzene

Concen: 20.075 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

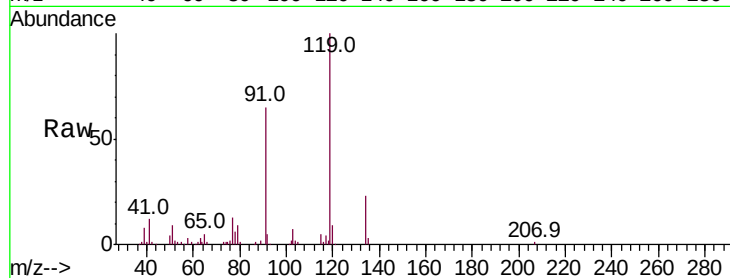
Tot Ion:119 Resp: 126741

Ion Ratio Lower Upper

119 100

91 63.7 34.8 104.4

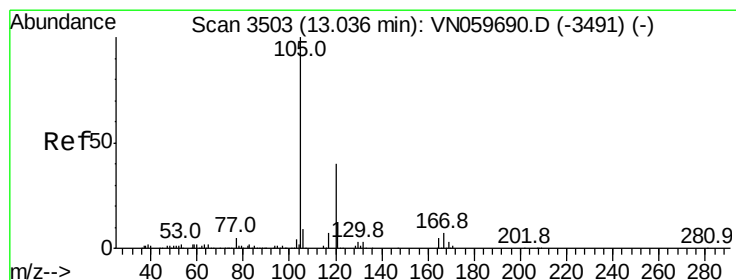
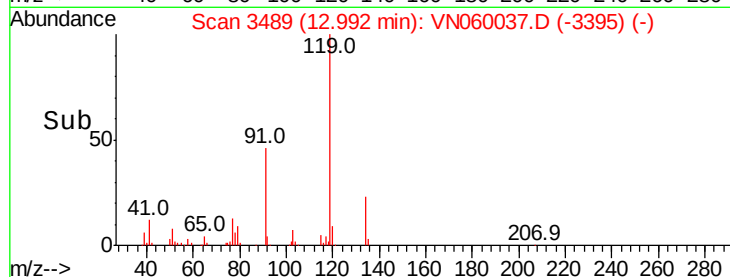
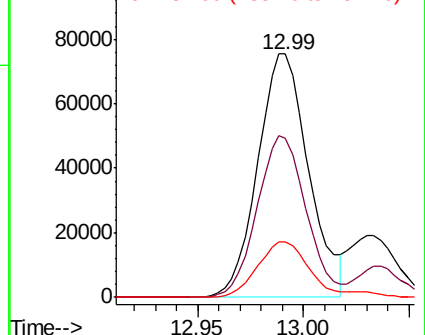
134 24.2 12.3 36.9



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: 19.268 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060037.D

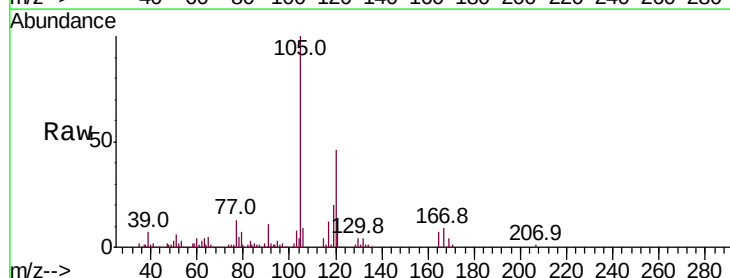
Acq: 10 Feb 2020 11:46

Tgt Ion:105 Resp: 139149

Ion Ratio Lower Upper

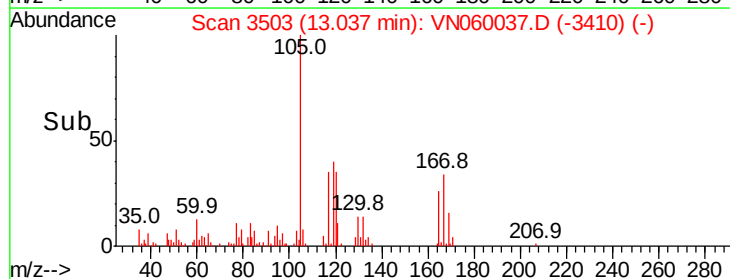
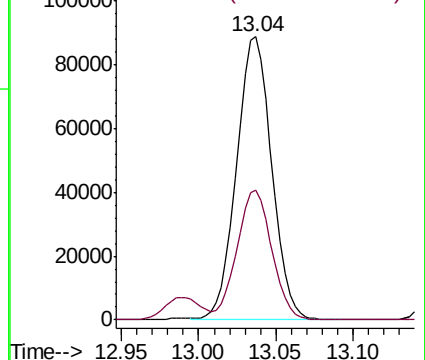
105 100

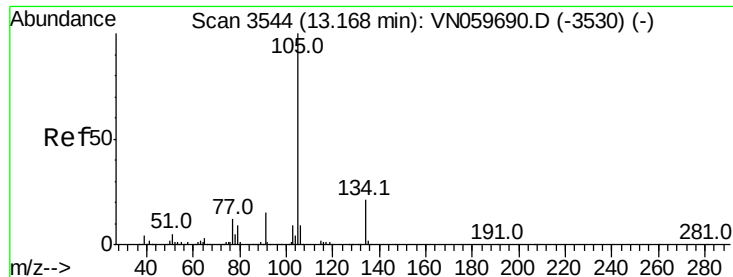
120 45.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.472 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

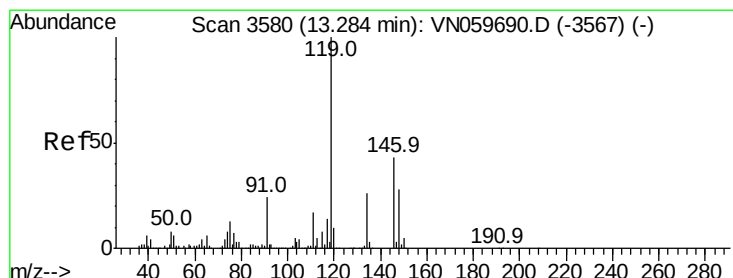
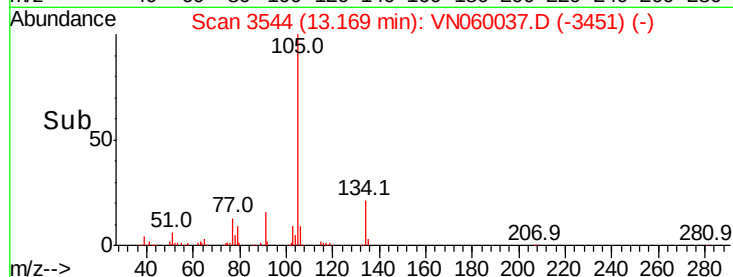
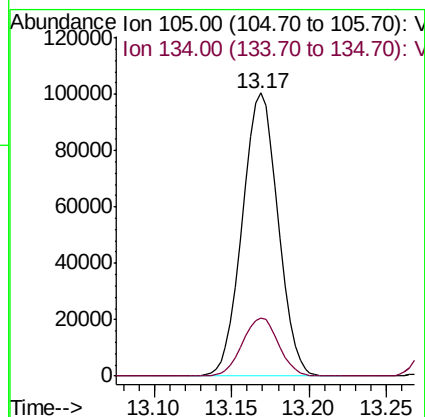
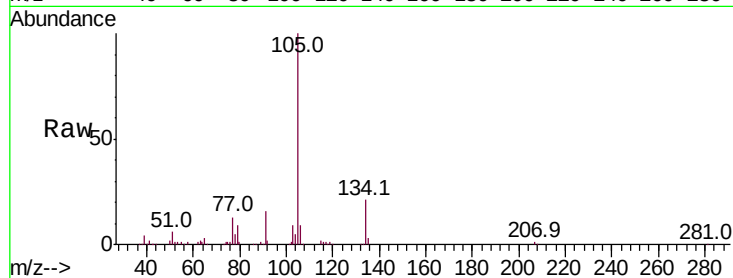
ClientSampled :

Tot Ion:105 Resp: 161517

Ion Ratio Lower Upper

105 100

134 20.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 19.454 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

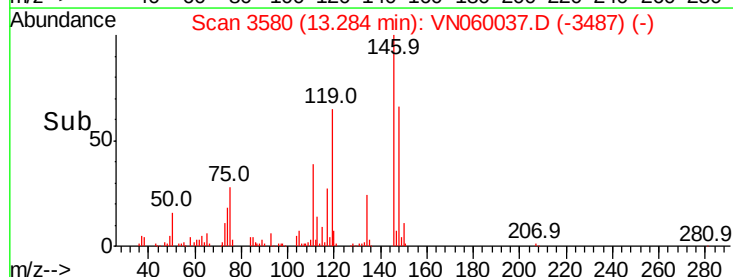
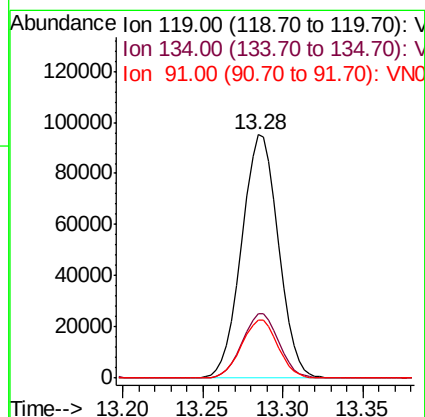
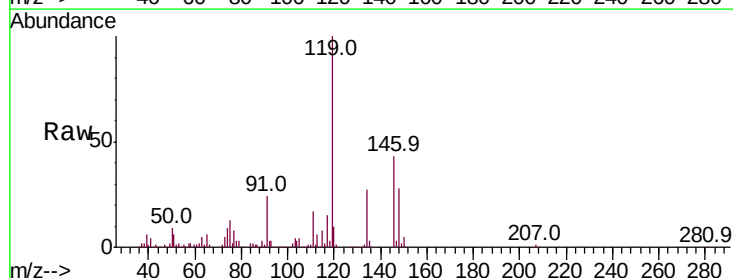
Tgt Ion:119 Resp: 149314

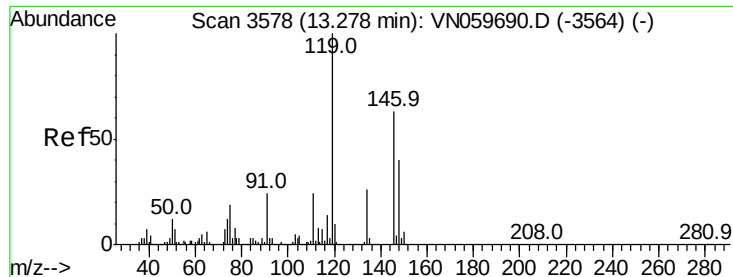
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 23.8 12.4 37.4

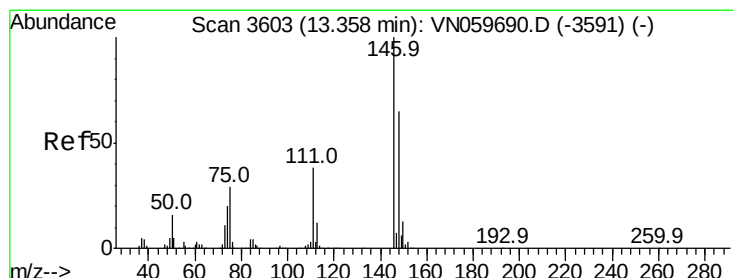
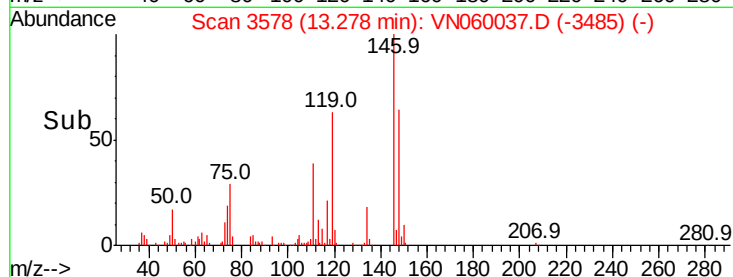
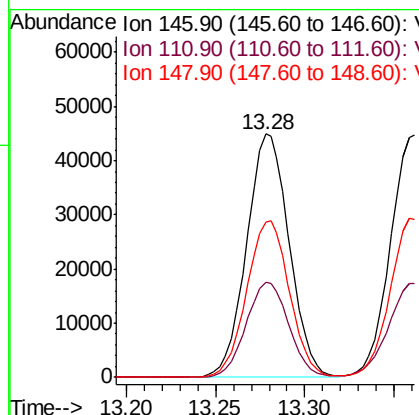
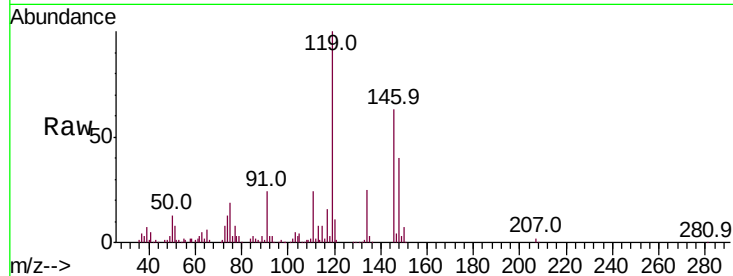




#87
 1,3-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

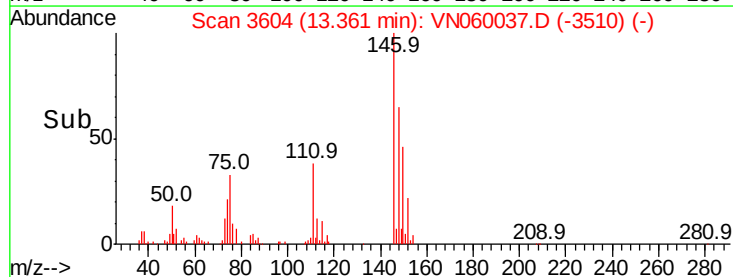
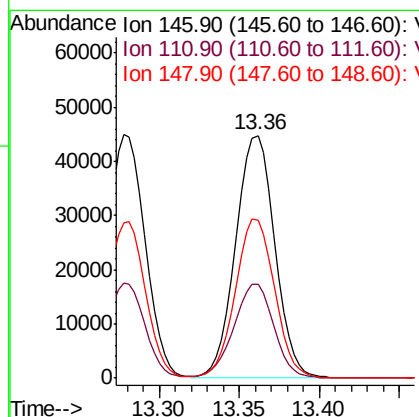
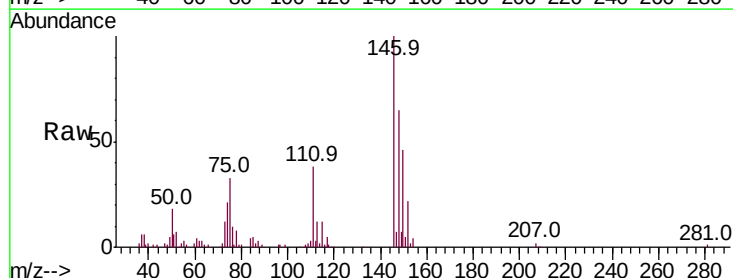
Instrument :
 MSVOA_N
 ClientSampled :

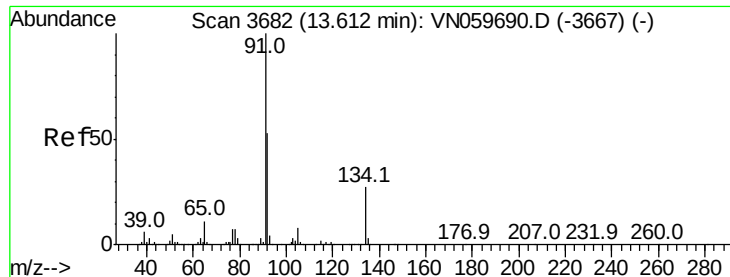
Tot Ion:146 Resp: 75042
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.8 62.2
 148 64.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.631 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060037.D
 Acq: 10 Feb 2020 11:46

Tgt Ion:146 Resp: 74775
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.8 62.2
 148 65.5 31.8 95.4





#89

n-Butylbenzene

Concen: 19.798 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

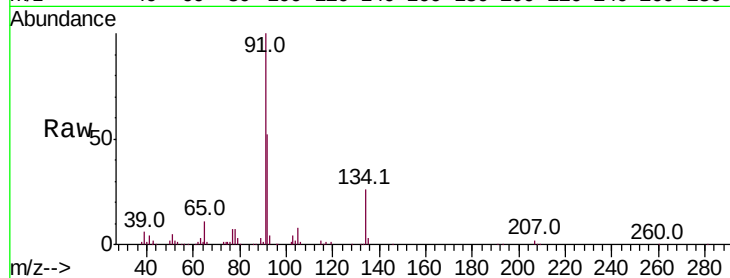
Tot Ion: 91 Resp: 129564

Ion Ratio Lower Upper

91 100

92 51.3 25.9 77.7

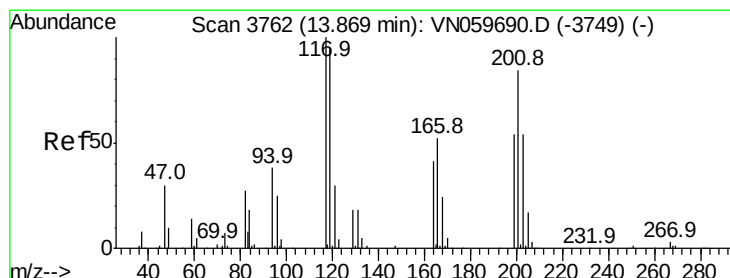
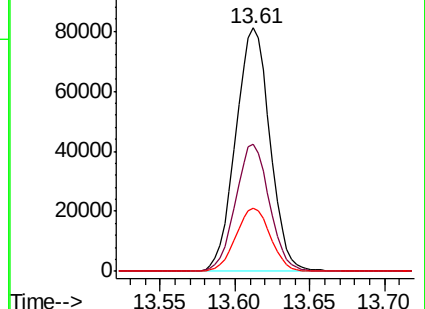
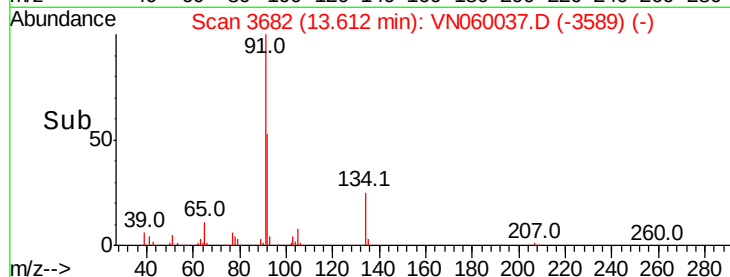
134 26.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN060037.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060037.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060037.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.999 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060037.D

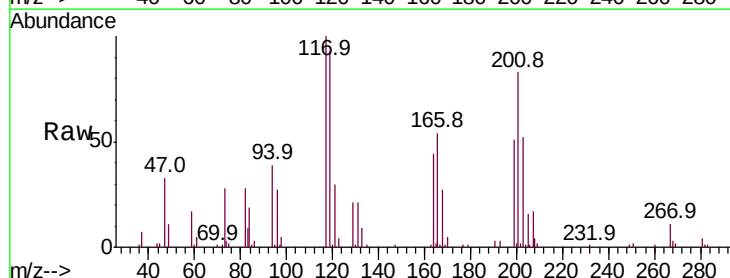
Acq: 10 Feb 2020 11:46

Tgt Ion: 117 Resp: 28719

Ion Ratio Lower Upper

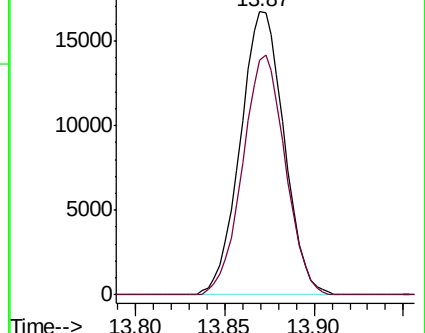
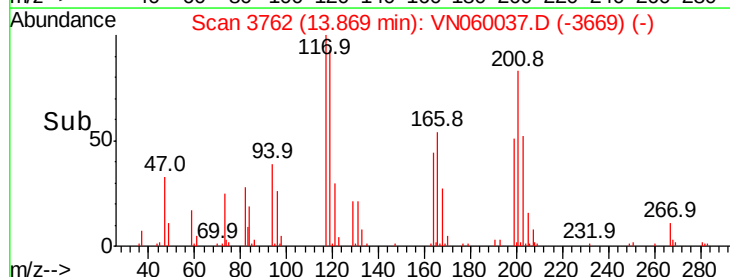
117 100

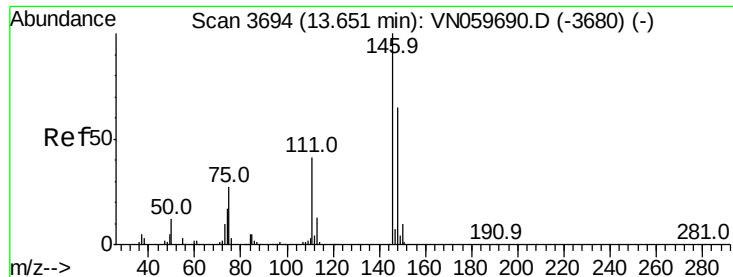
201 82.3 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN060037.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060037.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 20.031 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

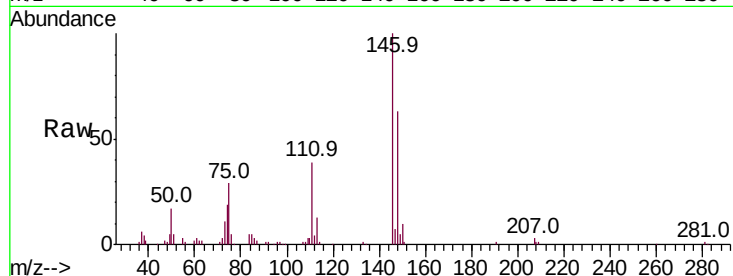
Tot Ion:146 Resp: 75613

Ion Ratio Lower Upper

146 100

111 39.8 21.6 64.8

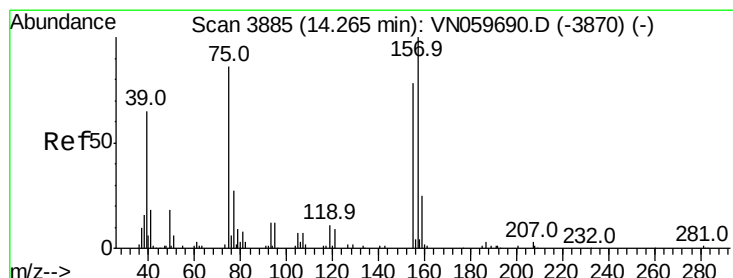
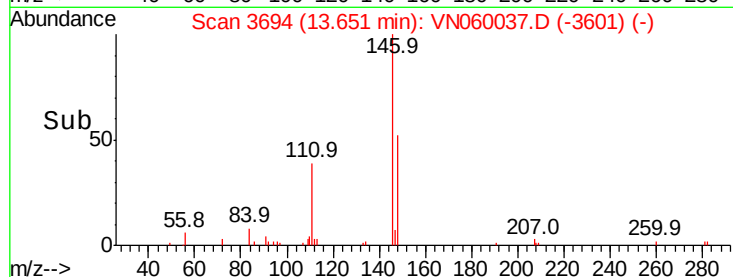
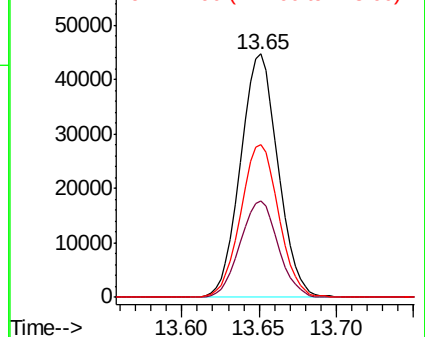
148 63.4 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.600 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

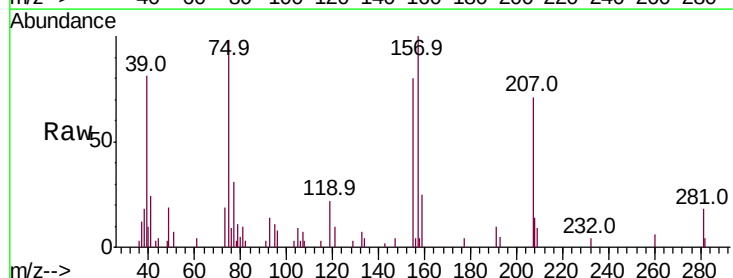
Tgt Ion: 75 Resp: 11272

Ion Ratio Lower Upper

75 100

155 80.4 37.0 110.9

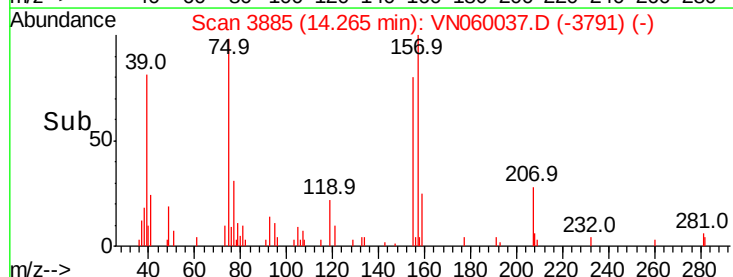
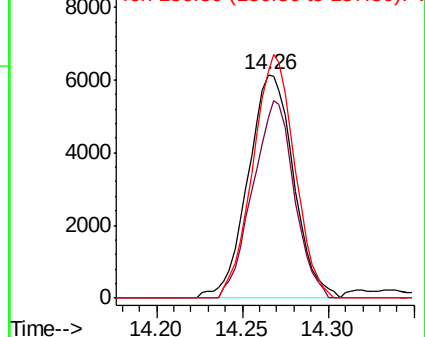
157 99.8 48.4 145.2

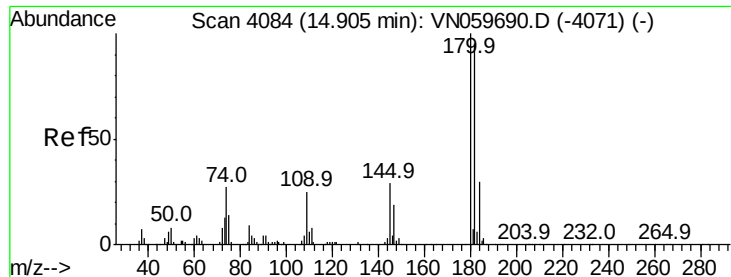


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.493 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

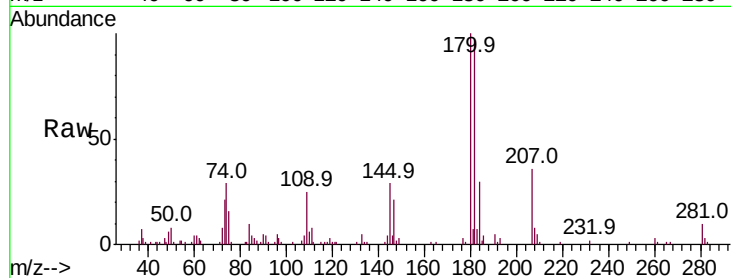
Tot Ion:180 Resp: 44213

Ion Ratio Lower Upper

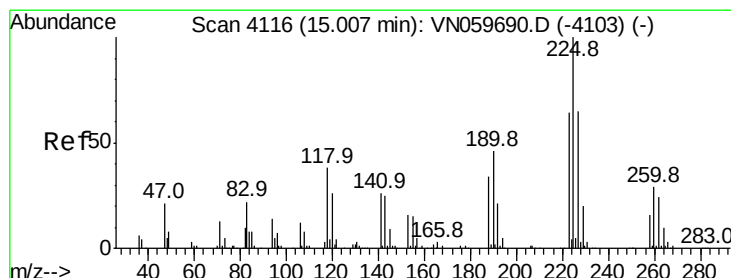
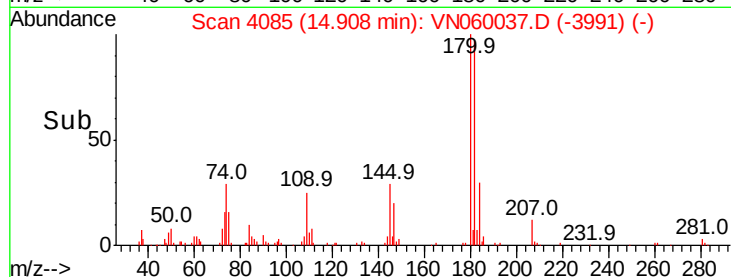
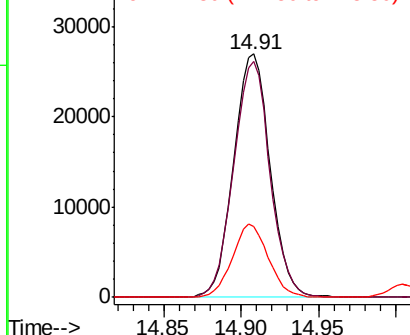
180 100

182 96.3 46.9 140.7

145 29.5 15.0 45.1



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



#94

Hexachlorobutadiene

Concen: 20.249 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

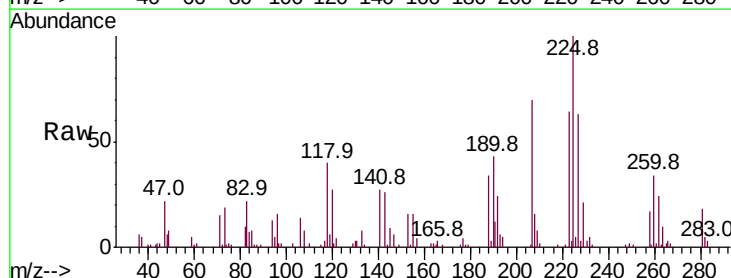
Tgt Ion:225 Resp: 25309

Ion Ratio Lower Upper

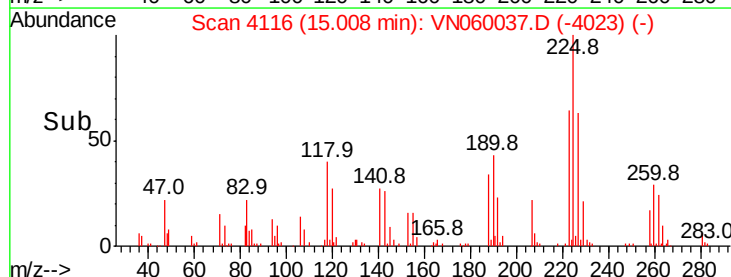
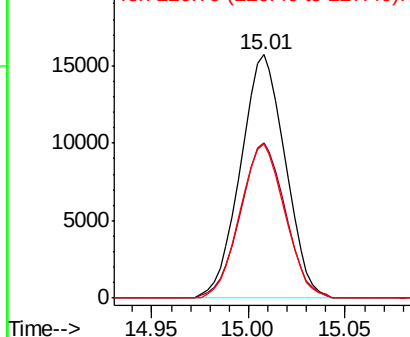
225 100

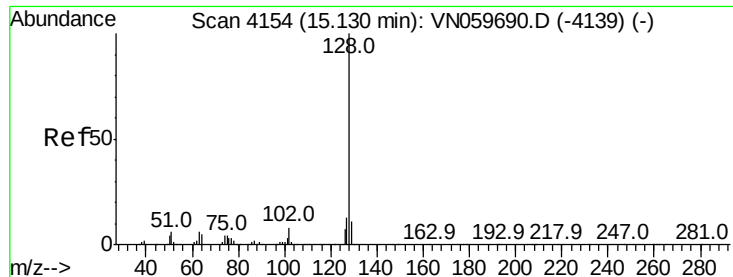
223 64.4 31.8 95.3

227 63.4 32.1 96.5



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: 19.065 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060037.D

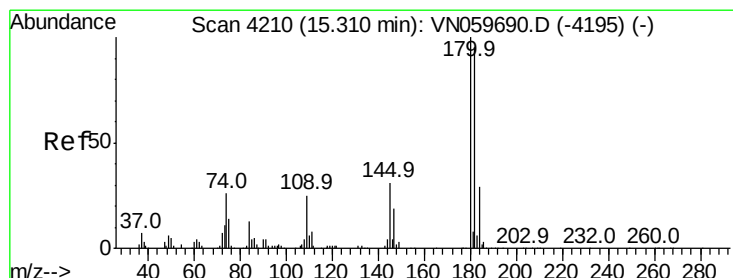
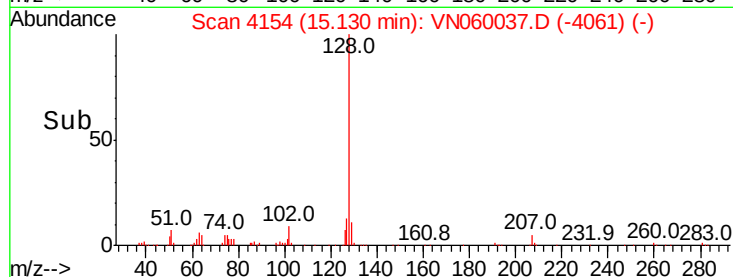
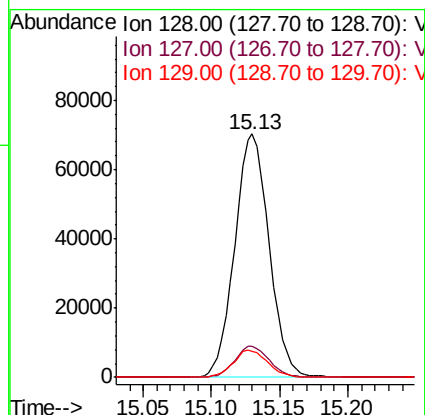
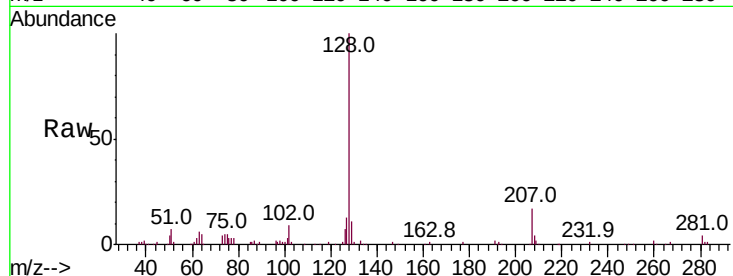
Acq: 10 Feb 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	128	Resp:	123001
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.1	8.6	12.8



#96

1,2,3-Trichlorobenzene

Concen: 20.754 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060037.D

Acq: 10 Feb 2020 11:46

Tgt Ion:	180	Resp:	45821
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.3
145	32.0	16.3	48.9

