

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060872.D
 Acq On : 7 Apr 2020 13:14
 Operator : JC/MD
 Sample : VN0407MBS01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Quant Time: Apr 08 02:42:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124365	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	7.56	113	93644	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.08	98	362063	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.40	95	134438	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30283	16.555	ug/l	100
3) Chloromethane	2.04	50	52702	15.426	ug/l	98
4) Vinyl Chloride	2.17	62	42397	15.866	ug/l	97
5) Bromomethane	2.55	94	23319	20.215	ug/l	95
6) Chloroethane	2.69	64	27386	17.791	ug/l	96
7) Trichlorofluoromethane	3.00	101	59839	18.179	ug/l	100
8) Diethyl Ether	3.38	74	26298	19.887	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36337	19.051	ug/l	99
10) Methyl Iodide	3.93	142	29570	17.423	ug/l	100
11) Tert butyl alcohol	4.72	59	39124	102.506	ug/l	97
12) 1,1-Dichloroethene	3.72	96	35420	17.305	ug/l	98
13) Acrolein	3.57	56	32540	76.925	ug/l	98
14) Allyl chloride	4.29	41	67745	18.818	ug/l	96
15) Acrylonitrile	4.94	53	113212	100.870	ug/l	99
16) Acetone	3.78	43	93037	101.206	ug/l	98
17) Carbon Disulfide	4.03	76	100877	16.205	ug/l	99
18) Methyl Acetate	4.28	43	54301	20.986	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	137013	19.470	ug/l	97
20) Methylene Chloride	4.52	84	43356	19.172	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	39219	17.978	ug/l	96
22) Diisopropyl ether	5.91	45	153085	20.128	ug/l	98
23) Vinyl Acetate	5.86	43	626062	100.889	ug/l	99
24) 1,1-Dichloroethane	5.82	63	79318	19.131	ug/l	99
25) 2-Butanone	6.80	43	148569	99.874	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65018	19.931	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46846	18.897	ug/l	98
28) Bromochloromethane	7.17	49	37753	19.032	ug/l	97
29) Tetrahydrofuran	7.18	42	102551	97.435	ug/l	98
30) Chloroform	7.34	83	75460	18.985	ug/l	99
31) Cyclohexane	7.63	56	73501	17.584	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	63607	18.563	ug/l	98
36) 1,1-Dichloropropene	7.77	75	56365	18.819	ug/l	98
37) Ethyl Acetate	6.89	43	63023	19.474	ug/l	98
38) Carbon Tetrachloride	7.75	117	49957	18.610	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67590	18.989	ug/l	98
40) Benzene	8.02	78	173353	19.173	ug/l	98
41) Methacrylonitrile	7.18	41	91652	66.358	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62098	20.096	ug/l	99
43) Isopropyl Acetate	8.14	43	107834	20.204	ug/l	100
44) Trichloroethene	8.82	130	43796	19.215	ug/l	100
45) 1,2-Dichloropropane	9.10	63	48293	20.242	ug/l	99
46) Dibromomethane	9.19	93	29344	20.344	ug/l	98
47) Bromodichloromethane	9.38	83	59259	19.771	ug/l	99
48) Methyl methacrylate	9.18	41	47334	19.919	ug/l	98
49) 1,4-Dioxane	9.17	88	13245	468.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	314940	103.695	ug/l	99
52) Toluene	10.14	92	104893	19.209	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69196	20.098	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	75198	19.909	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42477	20.220	ug/l	99
56) Ethyl methacrylate	10.42	69	64998	19.843	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73906	20.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	148971	91.506	ug/l	100
59) 2-Hexanone	10.74	43	223184	102.011	ug/l	100
60) Dibromochloromethane	10.89	129	42984	19.809	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41786	19.781	ug/l	99
64) Tetrachloroethene	10.62	164	41239	18.542	ug/l	97
65) Chlorobenzene	11.43	112	107232	19.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40242	19.837	ug/l	99
67) Ethyl Benzene	11.50	91	200377	19.231	ug/l	100
68) m/p-Xylenes	11.61	106	146644	37.874	ug/l	98
69) o-Xylene	11.94	106	71852	19.439	ug/l	100
70) Styrene	11.96	104	114819	18.994	ug/l	99
71) Bromoform	12.12	173	30612	19.226	ug/l #	100
73) Isopropylbenzene	12.24	105	192696	19.214	ug/l	100
74) N-amyl acetate	12.06	43	89206	19.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	60363	19.903	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	83010	28.786	ug/l #	100
77) Bromobenzene	12.52	156	46201	19.118	ug/l	100
78) n-propylbenzene	12.59	91	226848	19.145	ug/l	98
79) 2-Chlorotoluene	12.67	91	135083	19.081	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	162135	19.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20820	18.543	ug/l	97
82) 4-Chlorotoluene	12.77	91	140401	19.472	ug/l	98
83) tert-Butylbenzene	12.99	119	136758	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	161223	19.148	ug/l	100
85) sec-Butylbenzene	13.17	105	187252	19.737	ug/l	100
86) p-Isopropyltoluene	13.28	119	166215	19.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82451	19.344	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81593	19.054	ug/l	98
89) n-Butylbenzene	13.61	91	152395	19.785	ug/l	100
90) Hexachloroethane	13.87	117	25289	20.393	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	80032	19.637	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11911	18.582	ug/l	97

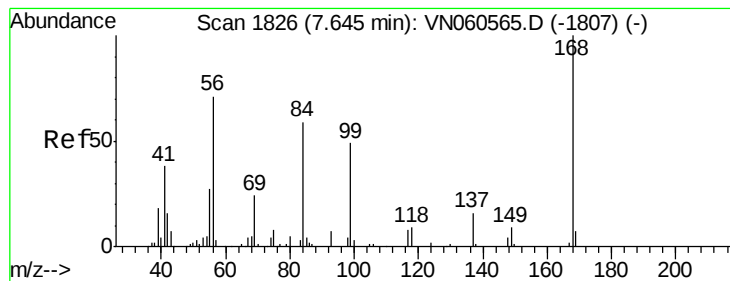
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49433	19.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	26366	21.490	ug/l	99
95) Naphthalene	15.13	128	140614	18.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48208	19.556	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: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

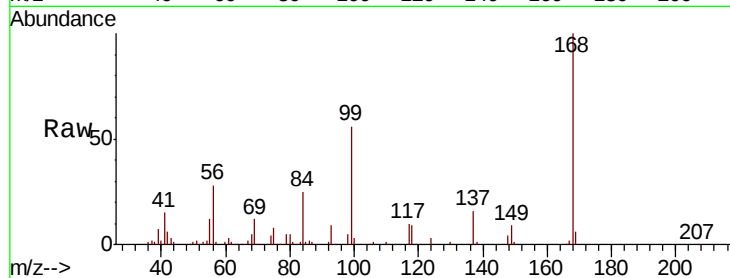
VN0407MBS01

Tot Ion:168 Resp: 189050

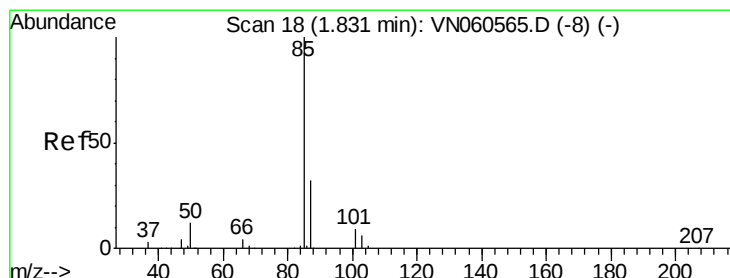
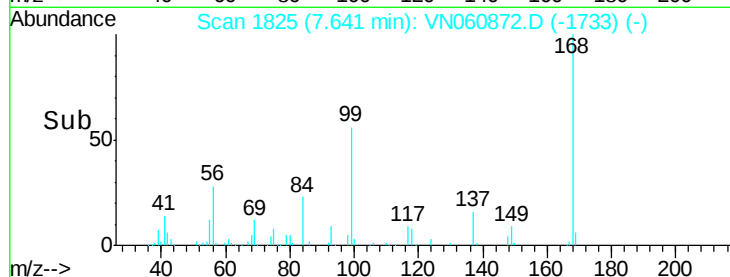
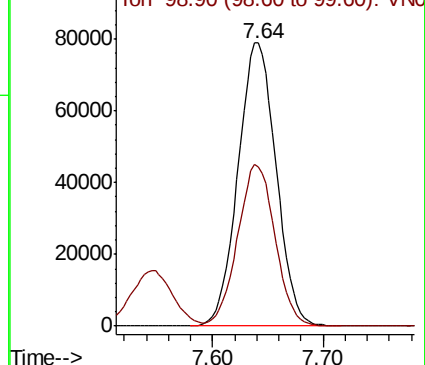
Ion Ratio Lower Upper

168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060872.D (-1733) (-)



#2

Dichlorodifluoromethane

Concen: 16.555 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060872.D

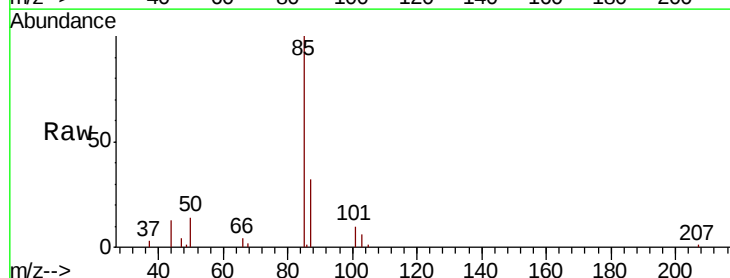
Acq: 7 Apr 2020 13:14

Tgt Ion: 85 Resp: 30283

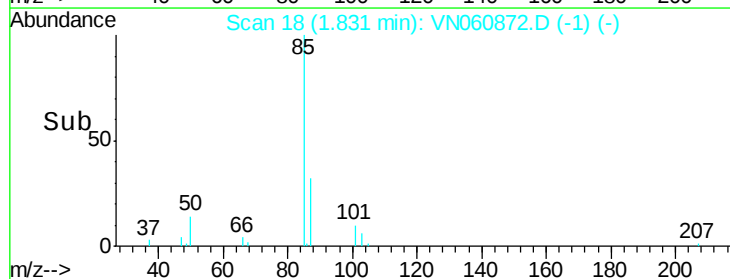
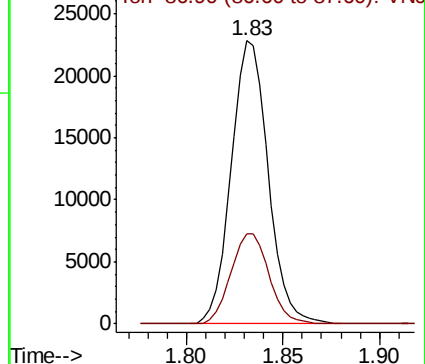
Ion Ratio Lower Upper

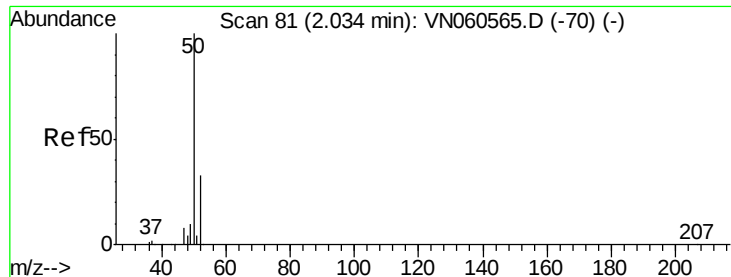
85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060872.D (-1) (-)





#3

Chloromethane

Concen: 15.426 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

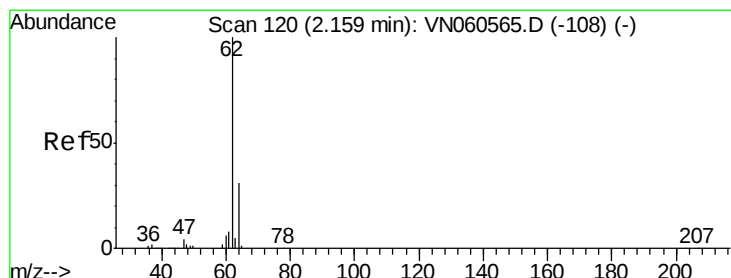
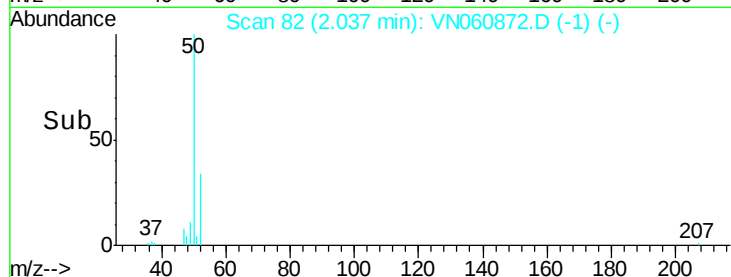
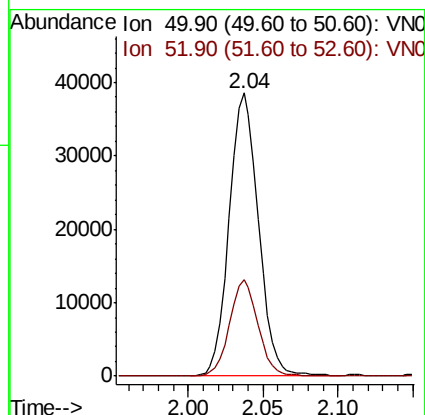
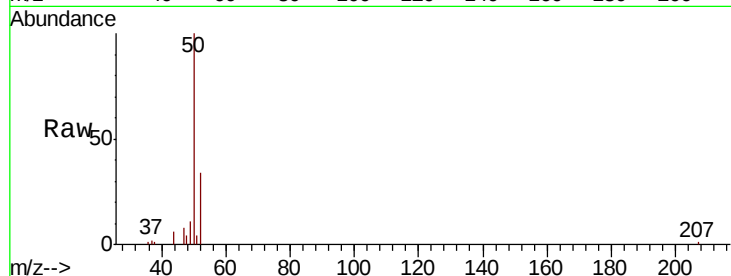
VN0407MBS01

Tot Ion: 50 Resp: 52702

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2



#4

Vinyl Chloride

Concen: 15.866 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060872.D

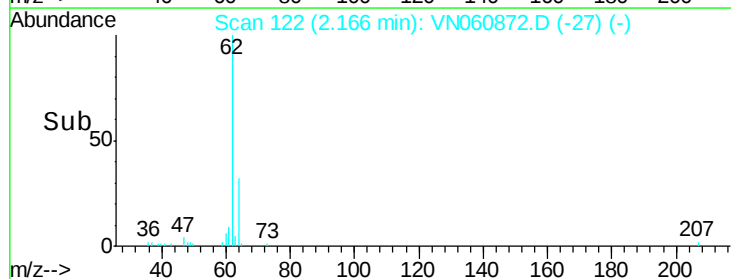
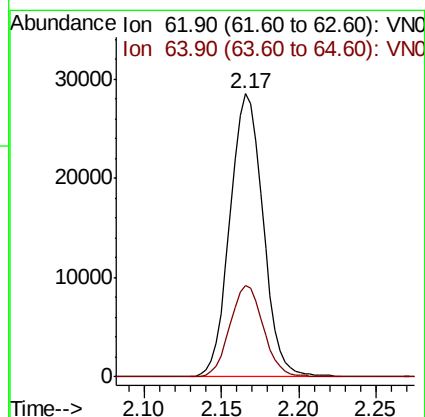
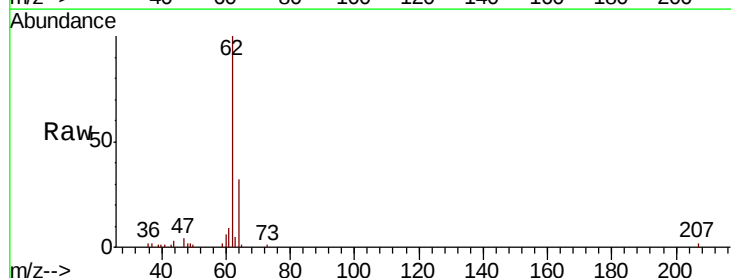
Acq: 7 Apr 2020 13:14

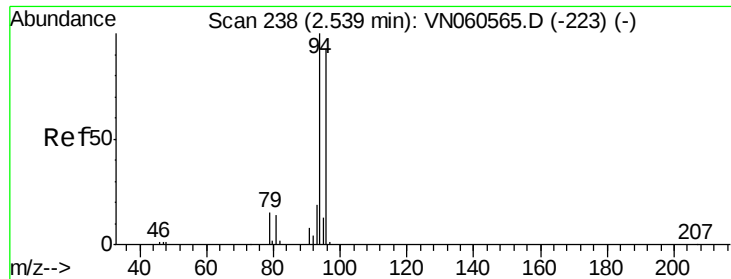
Tgt Ion: 62 Resp: 42397

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 20.215 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

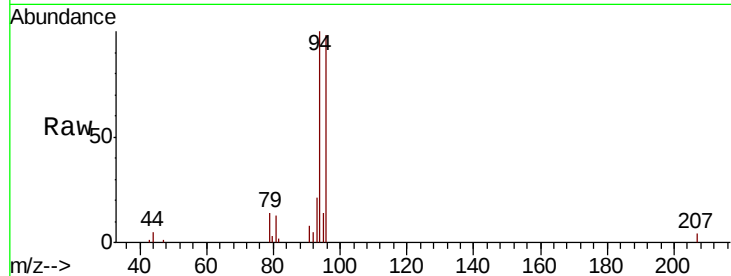
VN0407MBS01

Tot Ion: 94 Resp: 23319

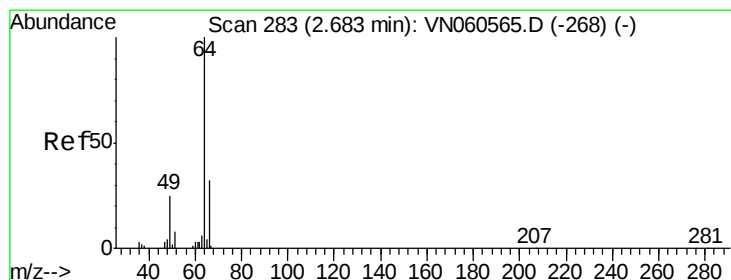
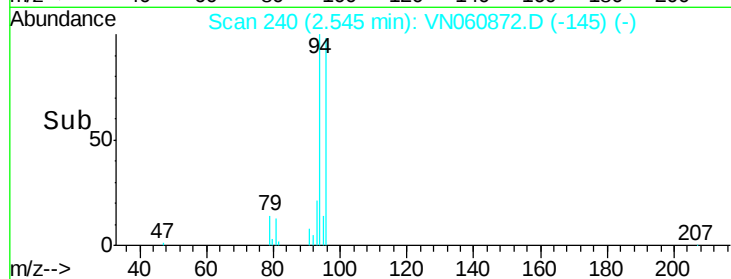
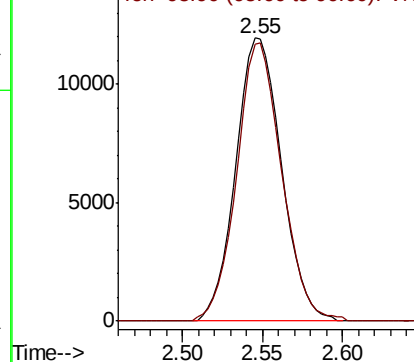
Ion Ratio Lower Upper

94 100

96 98.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.791 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060872.D

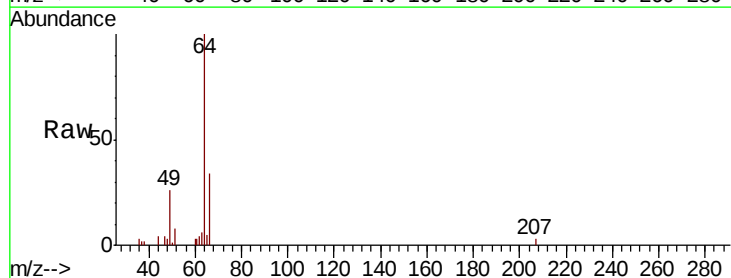
Acq: 7 Apr 2020 13:14

Tgt Ion: 64 Resp: 27386

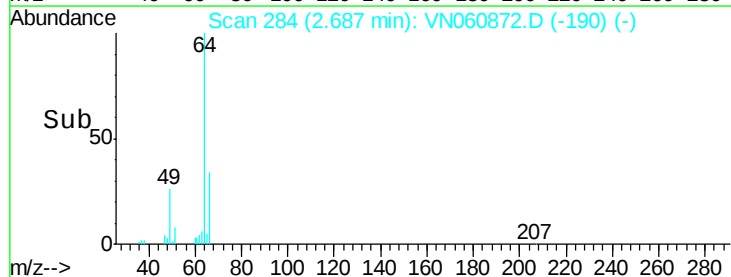
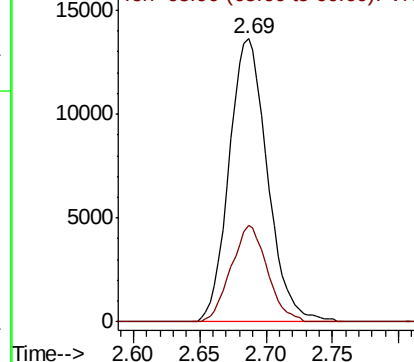
Ion Ratio Lower Upper

64 100

66 34.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



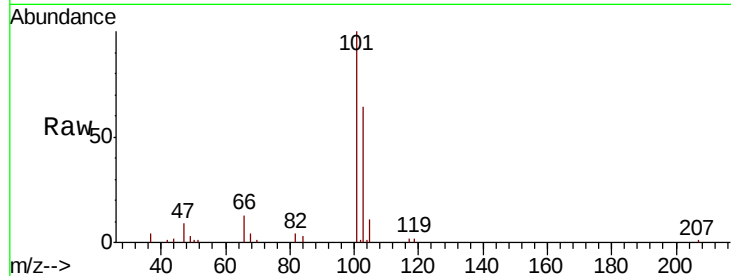


#7

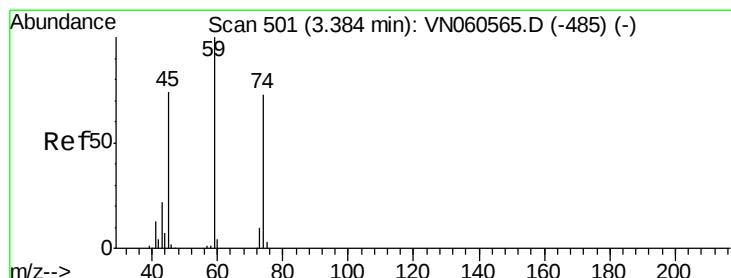
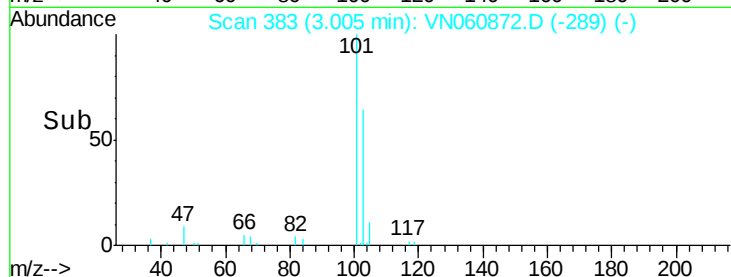
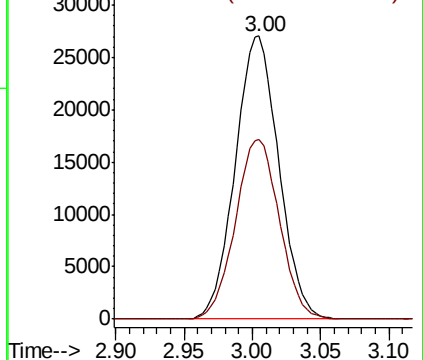
Trichlorofluoromethane
Concen: 18.179 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion:101 Resp: 59839
Ion Ratio Lower Upper
101 100
103 63.6 50.6 76.0



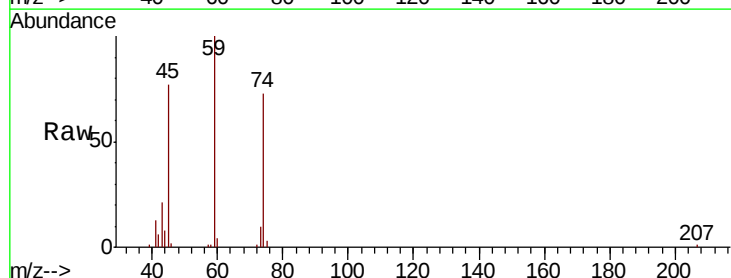
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



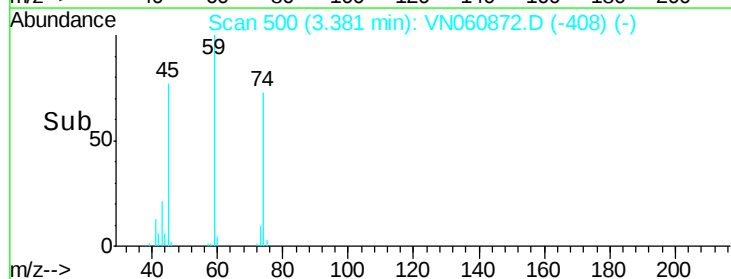
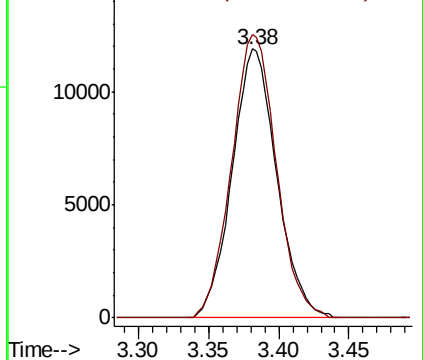
#8

Diethyl Ether
Concen: 19.887 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 74 Resp: 26298
Ion Ratio Lower Upper
74 100
45 105.6 51.3 153.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.051 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

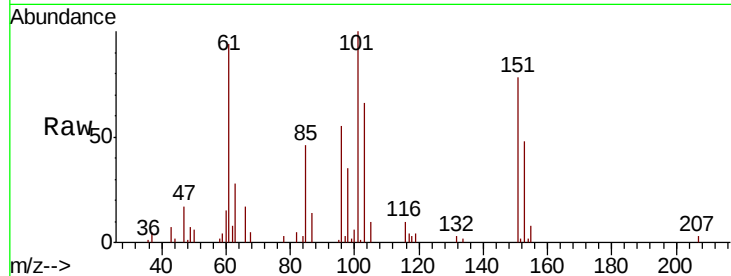
Tot Ion:101 Resp: 36337

Ion Ratio Lower Upper

101 100

85 44.8 35.6 53.4

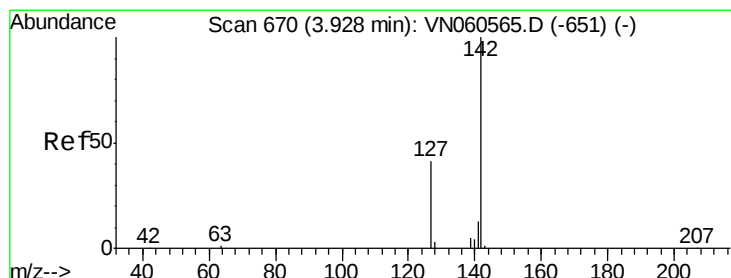
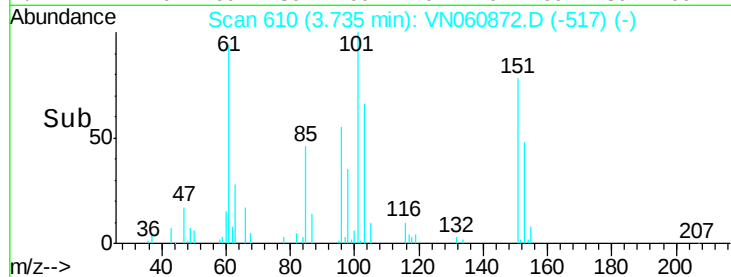
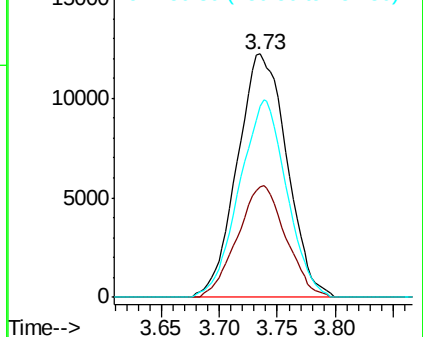
151 77.3 61.4 92.2



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: 17.423 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

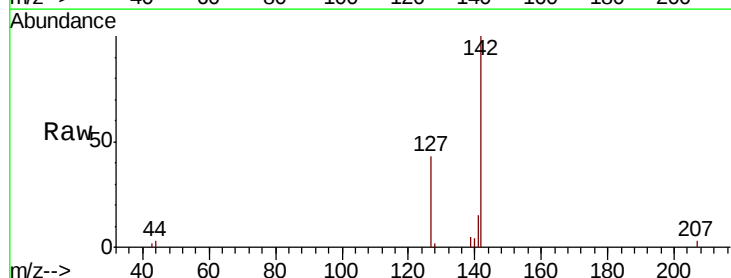
Tgt Ion:142 Resp: 29570

Ion Ratio Lower Upper

142 100

127 42.0 33.5 50.3

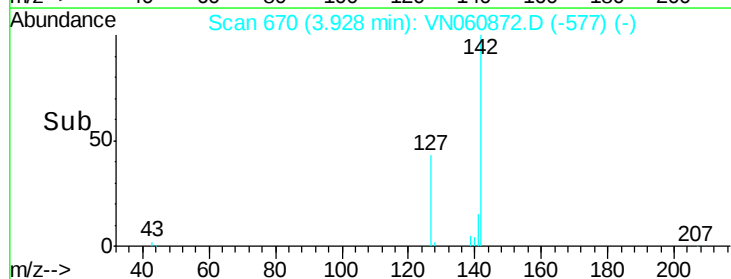
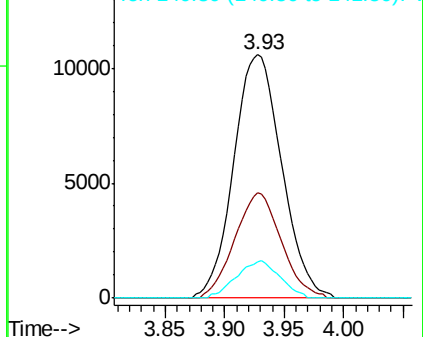
141 13.9 11.0 16.6

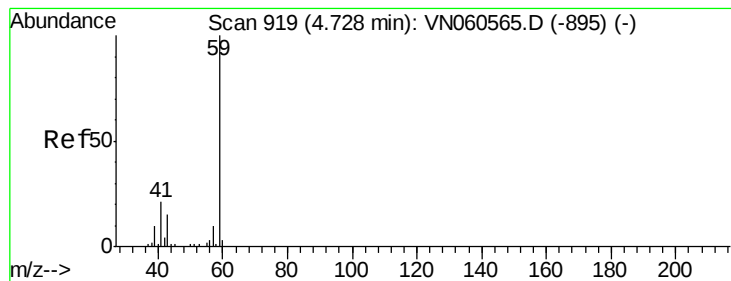


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



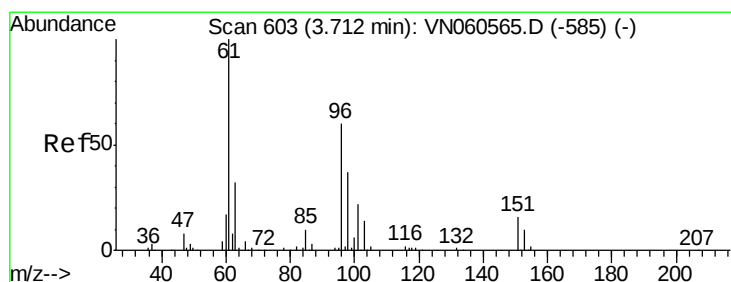
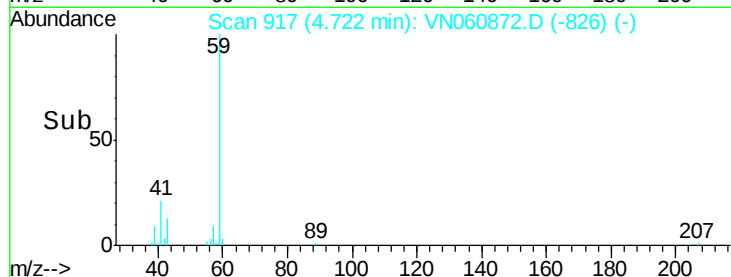
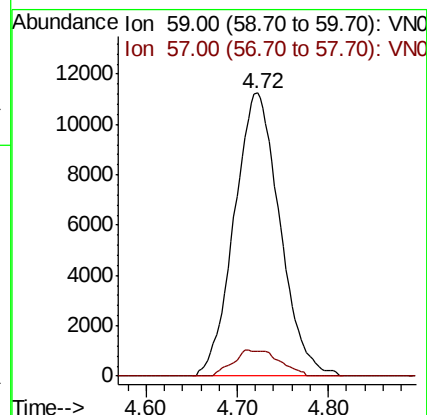
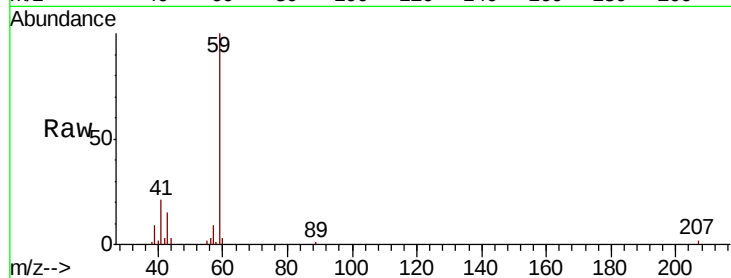


#11

Tert butyl alcohol
Concen: 102.506 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

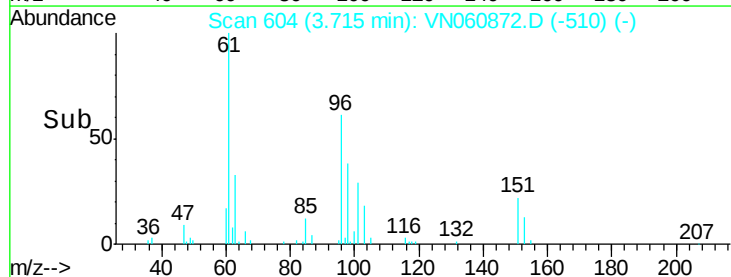
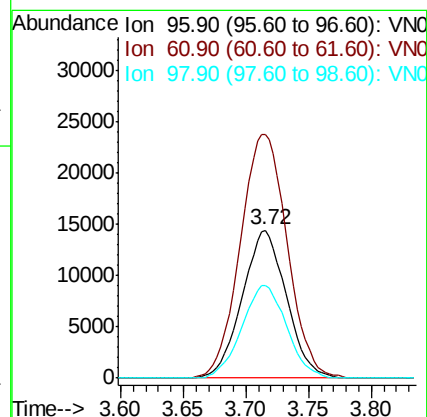
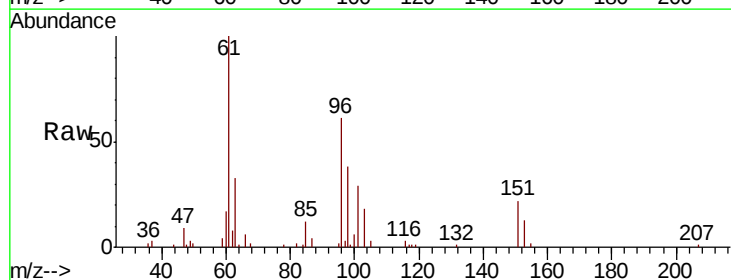
Tot Ion: 59 Resp: 39124
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.4



#12

1,1-Dichloroethene
Concen: 17.305 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 96 Resp: 35420
Ion Ratio Lower Upper
96 100
61 164.7 134.1 201.1
98 62.9 49.9 74.9





#13

Acrolein

Concen: 76.925 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

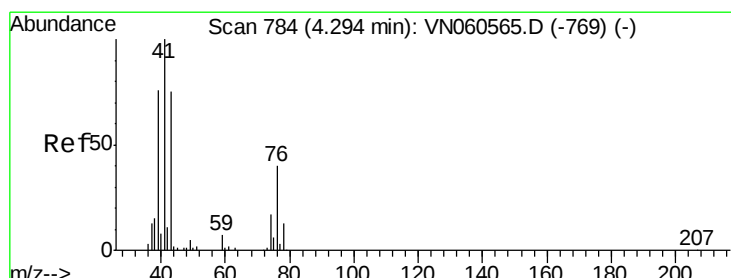
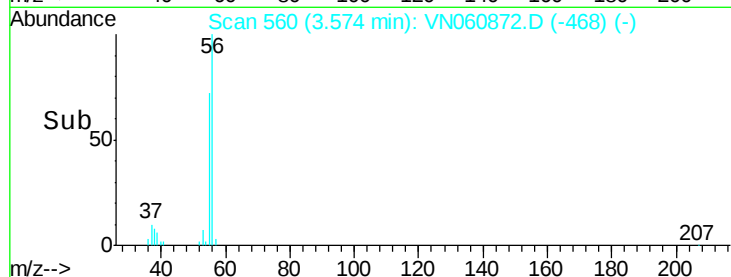
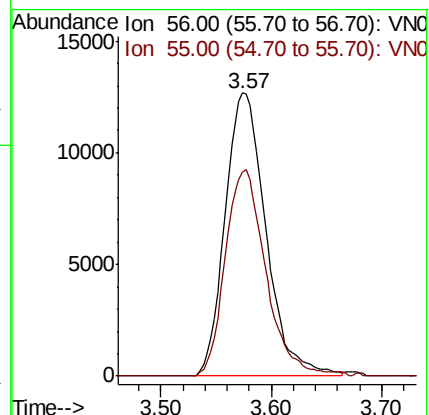
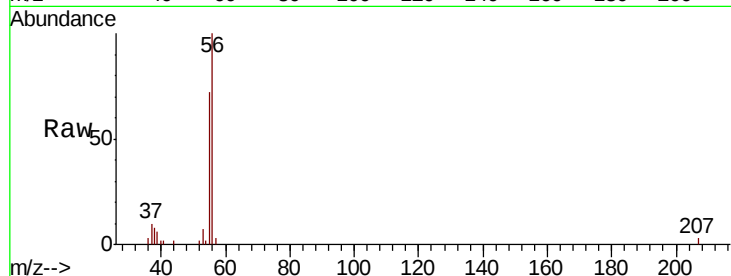
VN0407MBS01

Tot Ion: 56 Resp: 32540

Ion Ratio Lower Upper

56 100

55 72.6 56.7 85.1



#14

Allyl chloride

Concen: 18.818 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

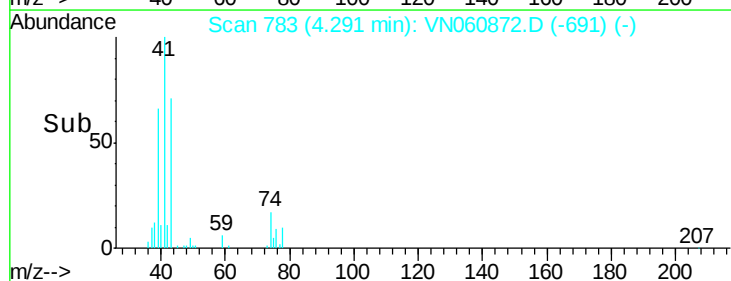
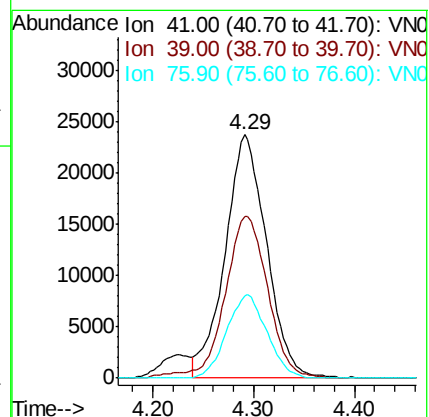
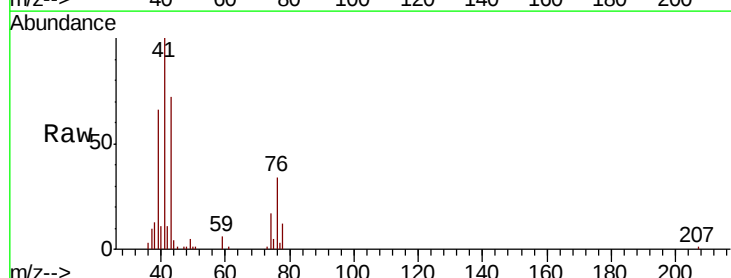
Tgt Ion: 41 Resp: 67745

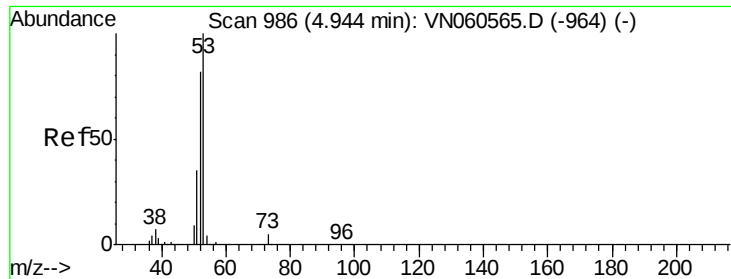
Ion Ratio Lower Upper

41 100

39 68.8 57.8 86.8

76 33.2 28.6 43.0





#15

Acrylonitrile

Concen: 100.870 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

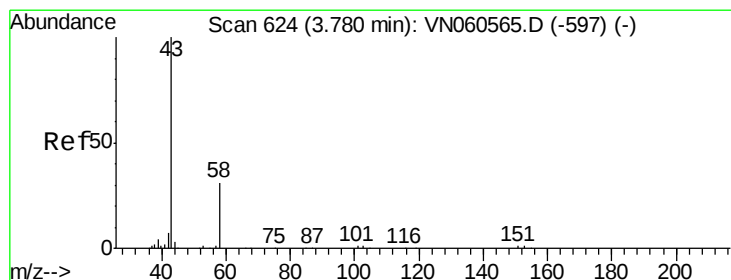
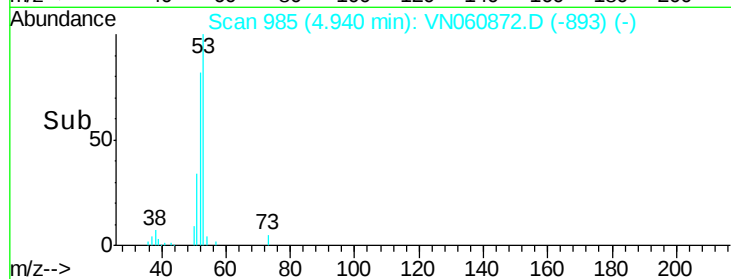
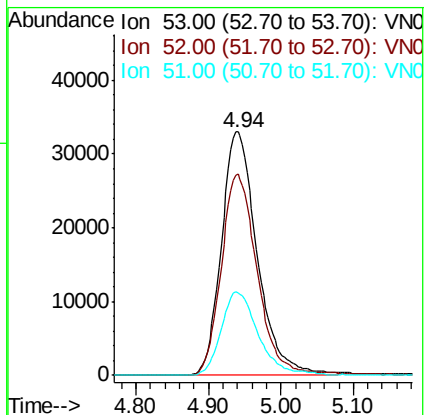
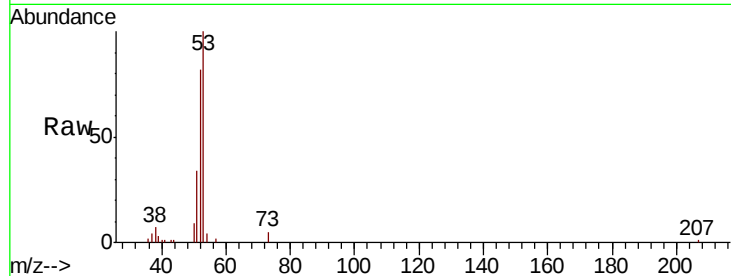
Tot Ion: 53 Resp: 113212

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.4

51 35.6 28.7 43.1



#16

Acetone

Concen: 101.206 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060872.D

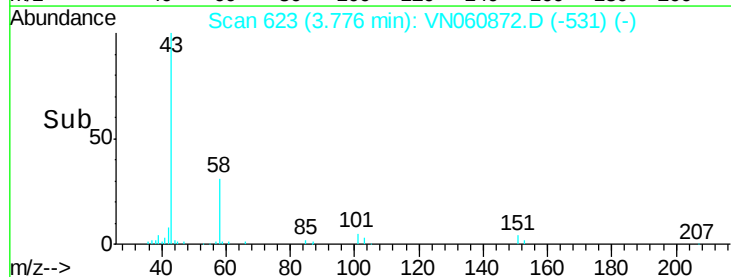
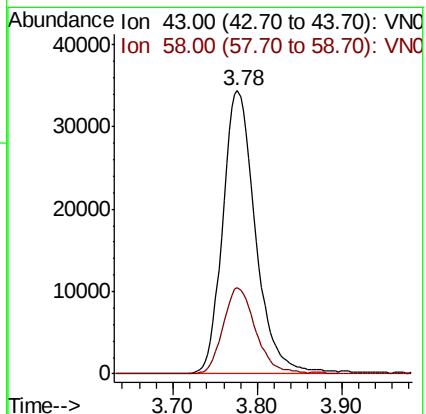
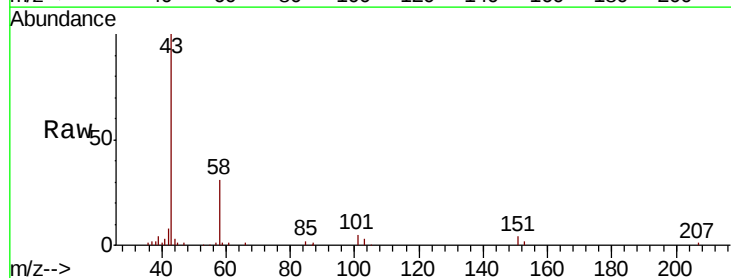
Acq: 7 Apr 2020 13:14

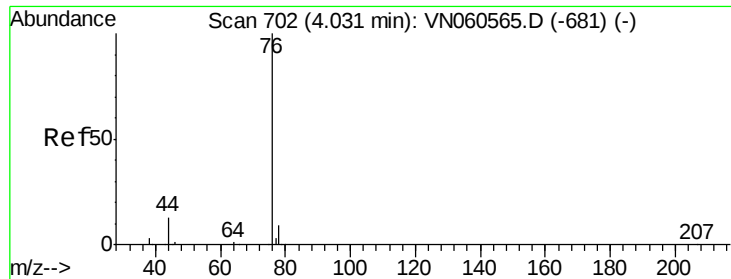
Tgt Ion: 43 Resp: 93037

Ion Ratio Lower Upper

43 100

58 30.5 25.1 37.7

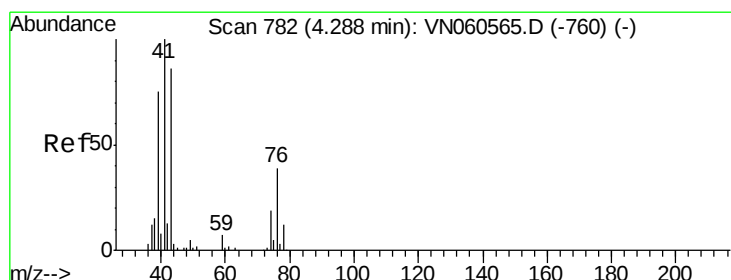
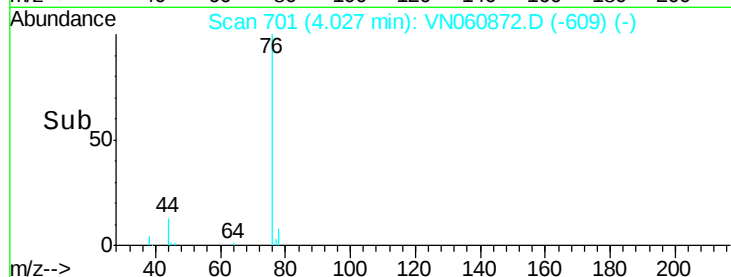
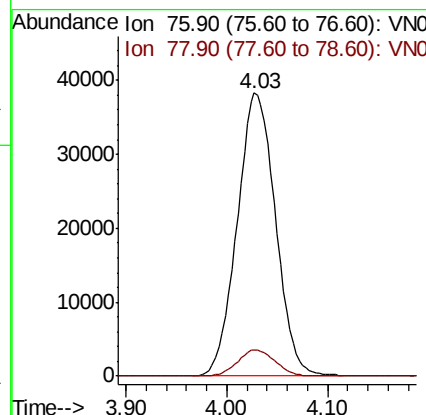
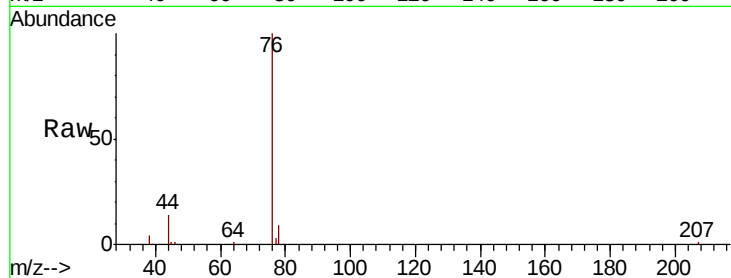




#17
Carbon Disulfide
Concen: 16.205 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

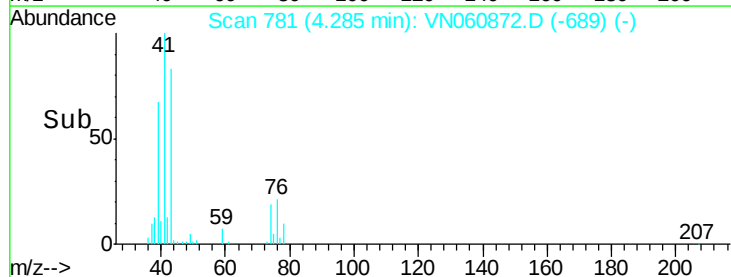
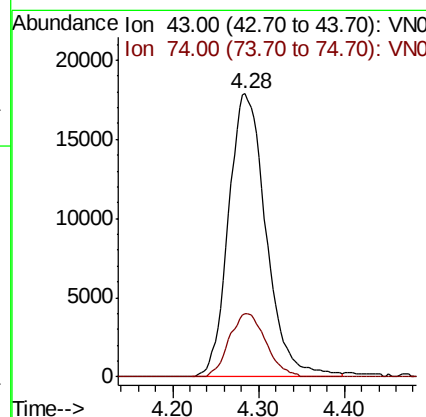
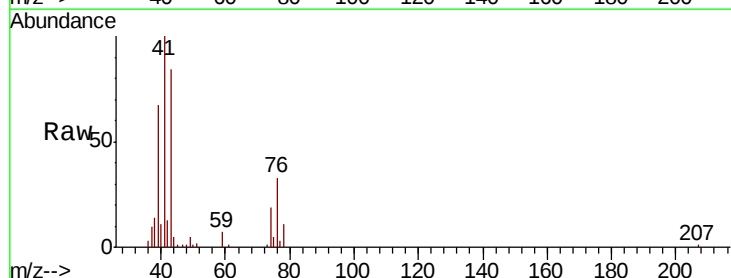
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

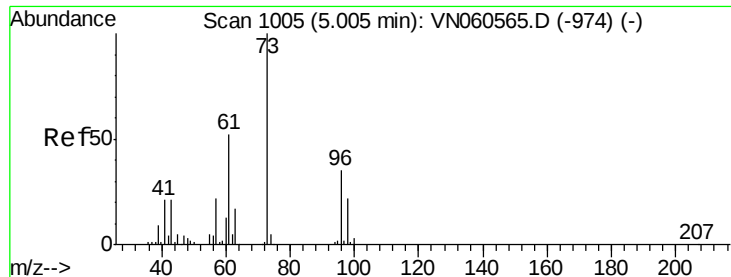
Tot Ion: 76 Resp: 100877
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 20.986 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 43 Resp: 54301
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

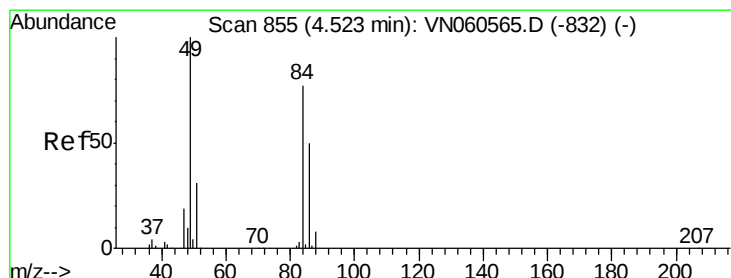
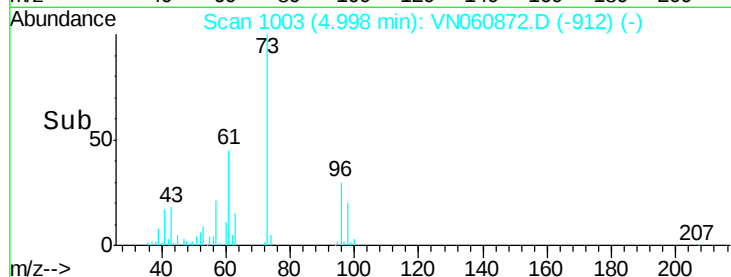
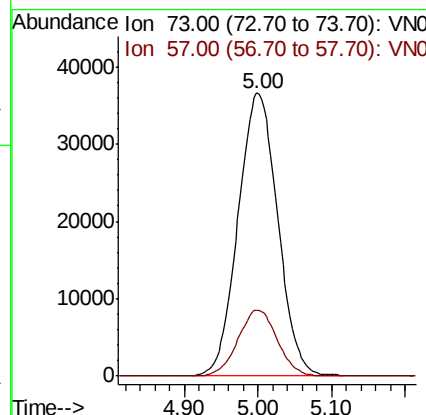
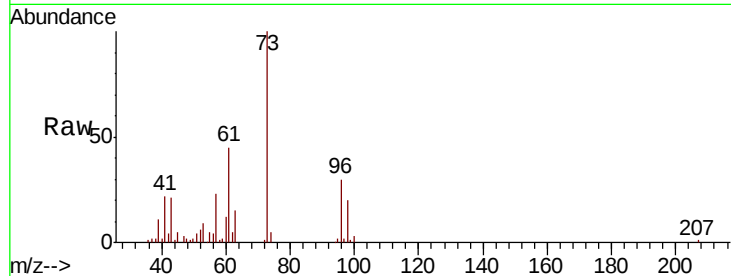




#19
Methvl tert-butvl Ether
Concen: 19.470 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

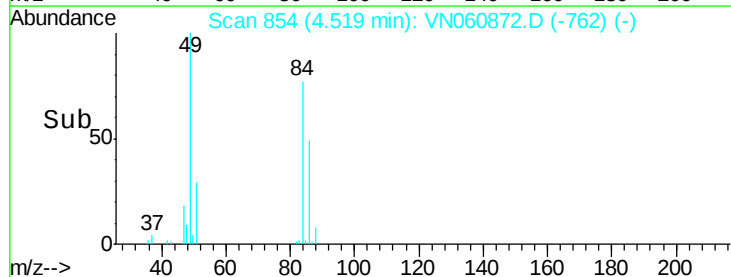
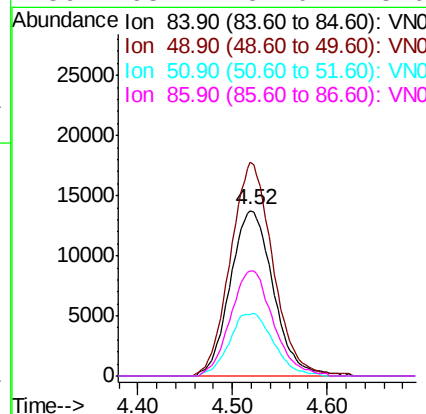
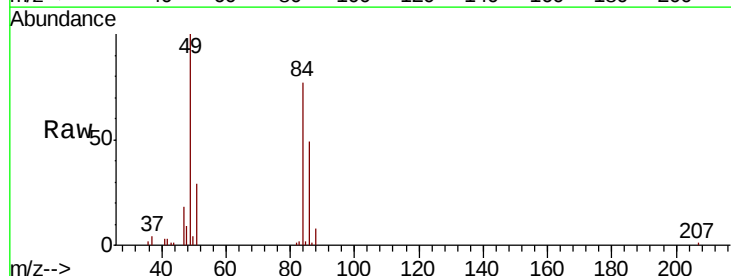
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion: 73 Resp: 137013
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3



#20
Methylene Chloride
Concen: 19.172 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 84 Resp: 43356
Ion Ratio Lower Upper
84 100
49 129.2 103.3 154.9
51 37.2 31.6 47.4
86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.978 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

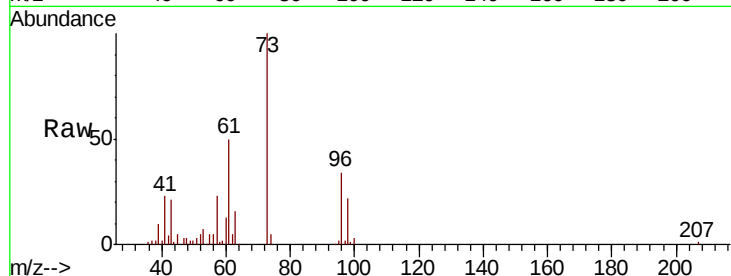
Tot Ion: 96 Resp: 39219

Ion Ratio Lower Upper

96 100

61 146.8 114.4 171.6

98 65.4 48.4 72.6

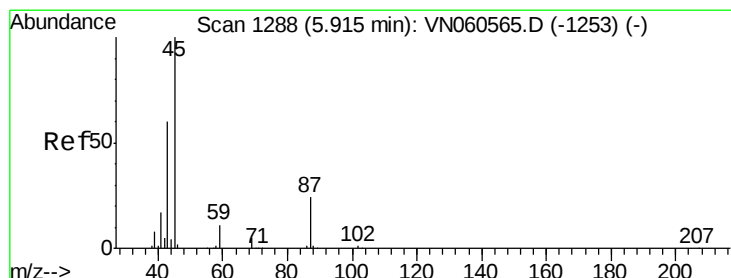
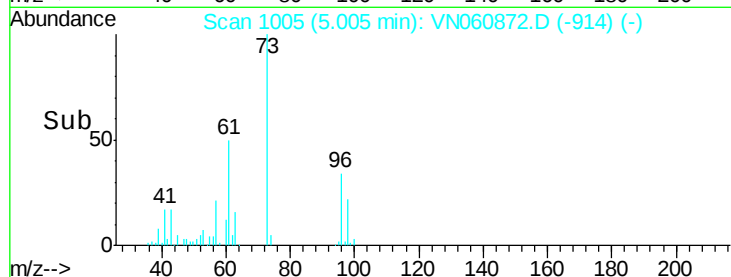
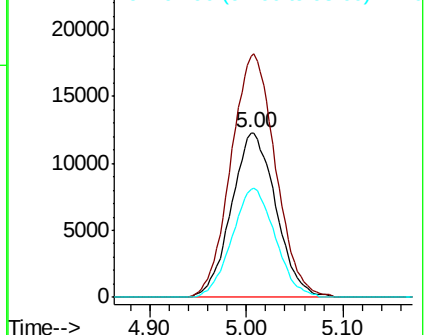


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.128 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion: 45 Resp: 153085

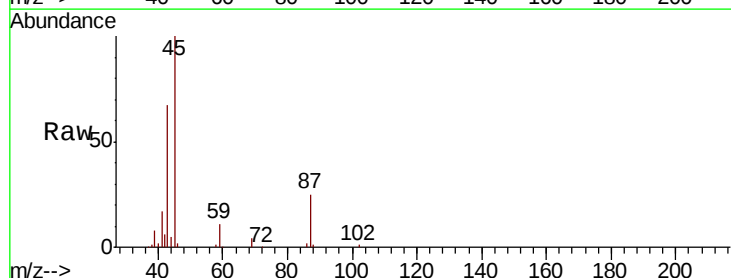
Ion Ratio Lower Upper

45 100

43 64.6 49.8 74.8

87 25.2 20.1 30.1

59 11.0 9.2 13.8



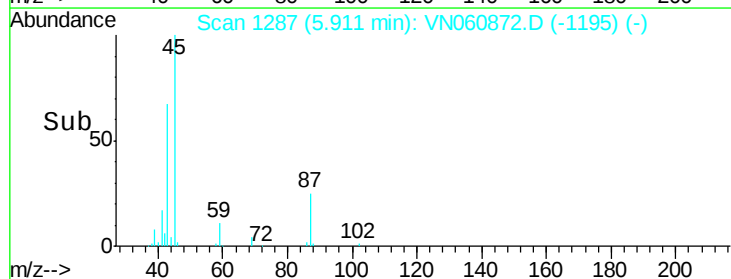
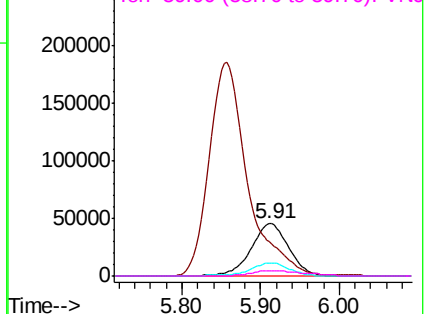
Abundance

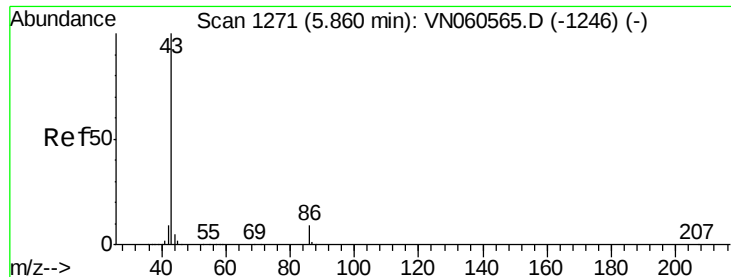
Ion 45.00 (44.70 to 45.70): VN0

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: 100.889 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

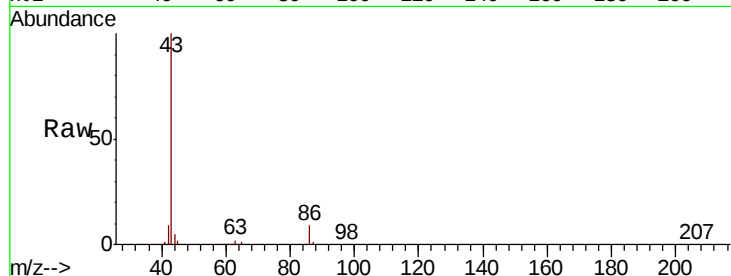
VN0407MBS01

Tot Ion: 43 Resp: 626062

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

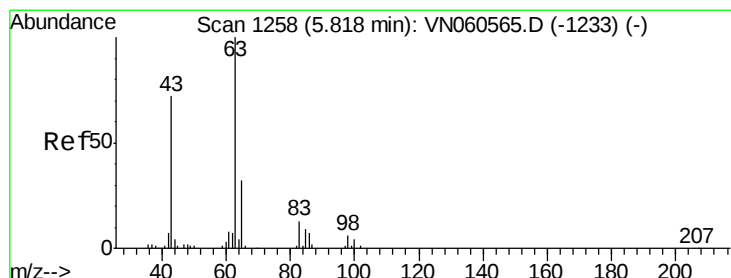
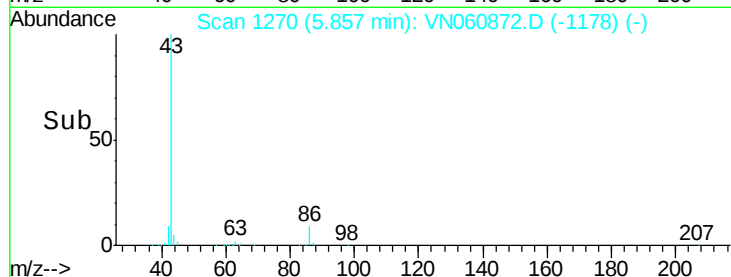
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.131 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

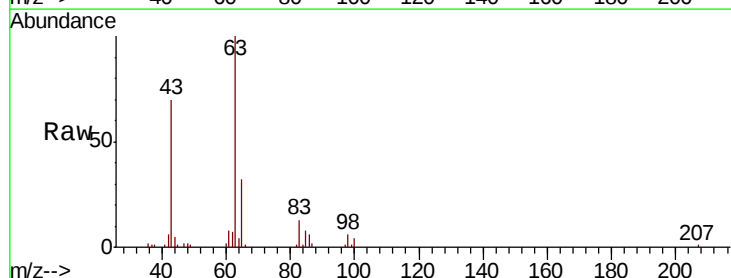
Tgt Ion: 63 Resp: 79318

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.5 1.8 5.5



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

5.82

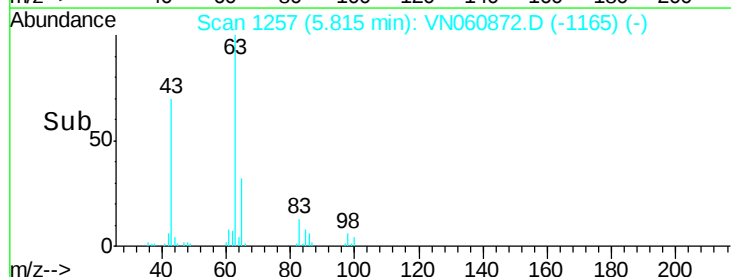
30000

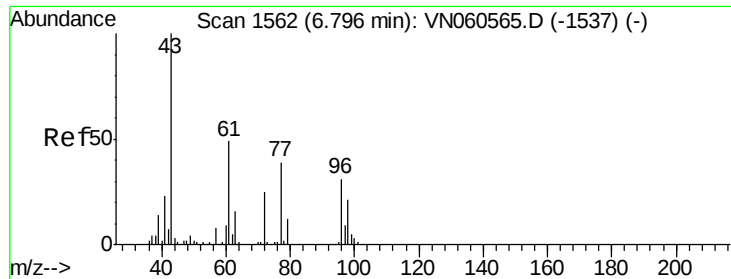
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 99.874 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

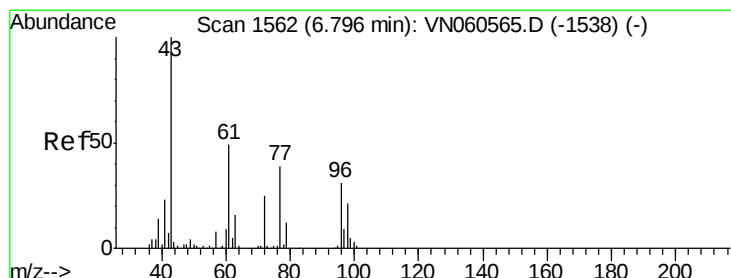
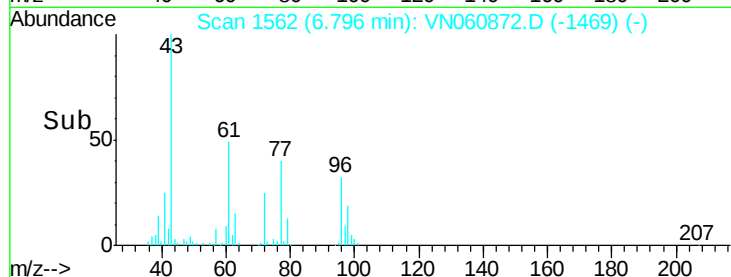
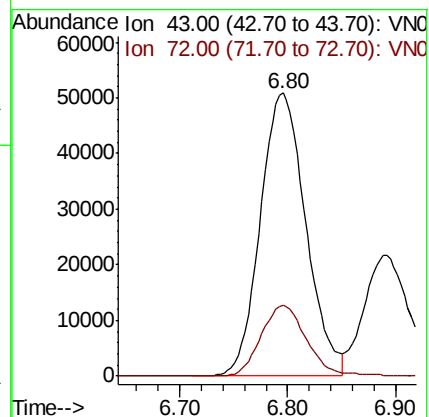
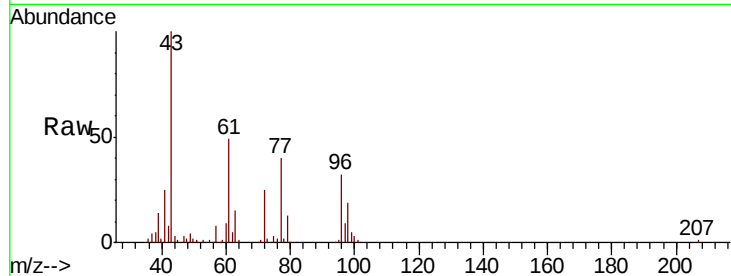
VN0407MBS01

Tot Ion: 43 Resp: 148569

Ion Ratio Lower Upper

43 100

72 24.9 20.4 30.6



#26

2,2-Dichloropropane

Concen: 19.931 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060872.D

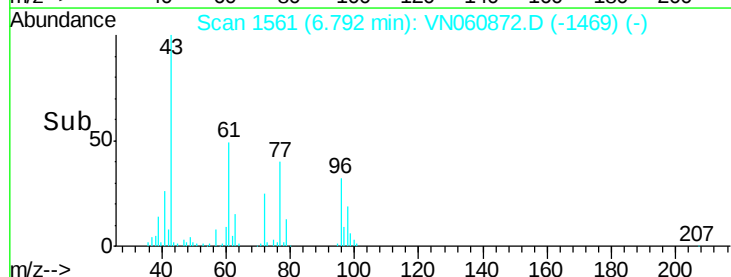
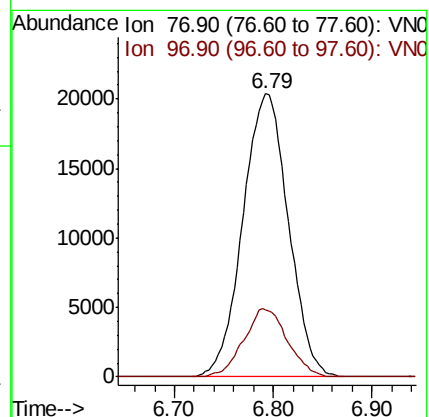
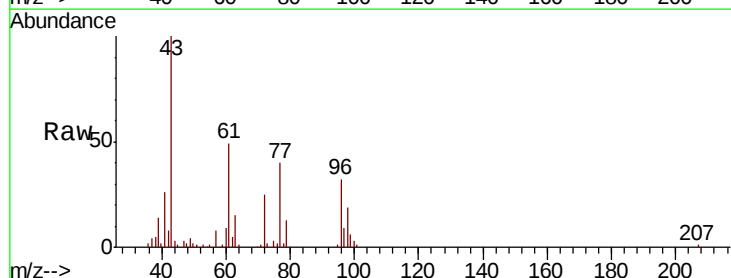
Acq: 7 Apr 2020 13:14

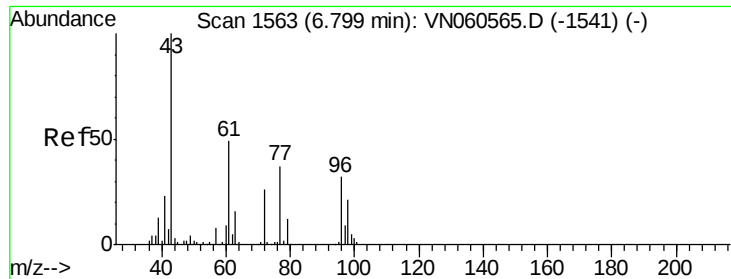
Tgt Ion: 77 Resp: 65018

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1

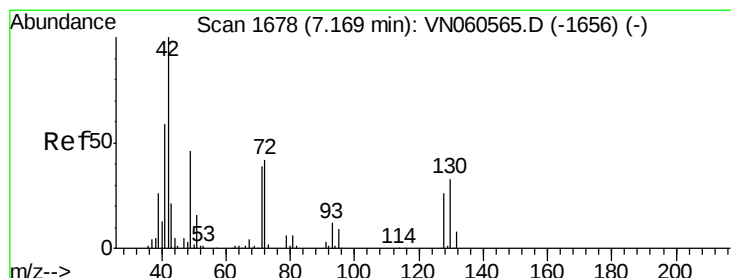
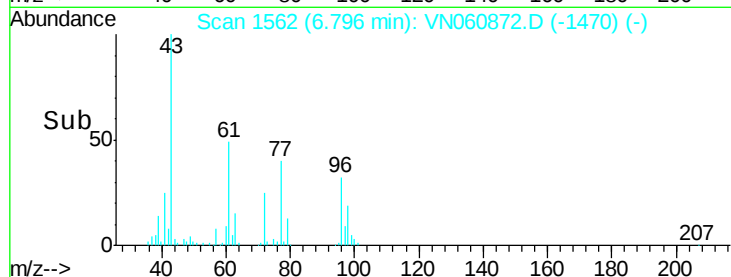
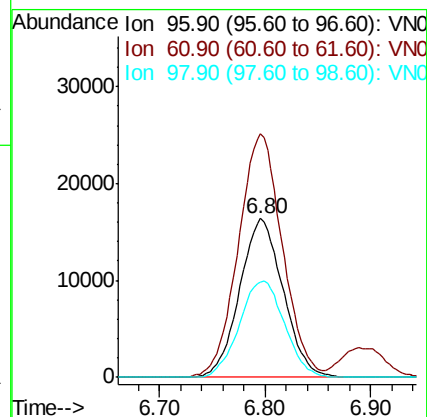
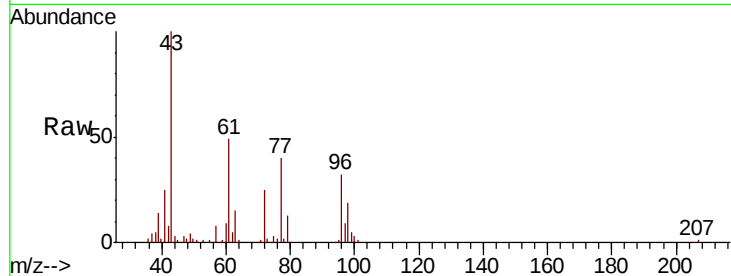




#27
 cis-1,2-Dichloroethene
 Concen: 18.897 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

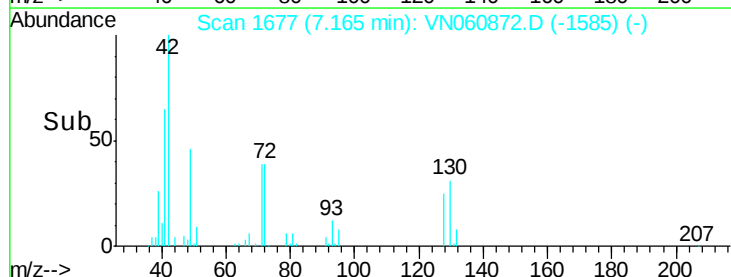
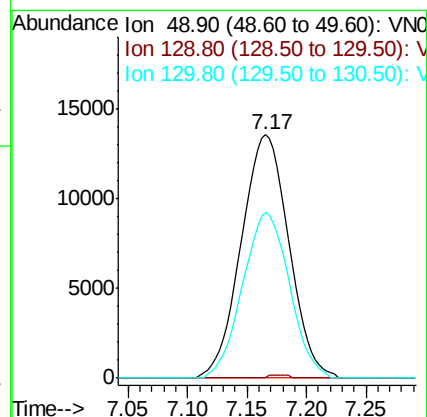
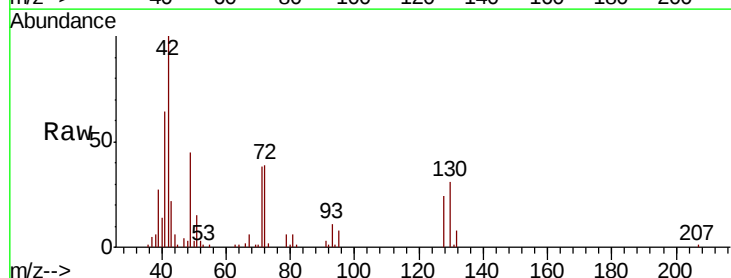
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion: 96 Resp: 46846
 Ion Ratio Lower Upper
 96 100
 61 155.4 0.0 305.6
 98 63.0 0.0 127.6



#28
 Bromochloromethane
 Concen: 19.032 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 49 Resp: 37753
 Ion Ratio Lower Upper
 49 100
 129 0.5 0.0 3.4
 130 66.7 55.0 82.4

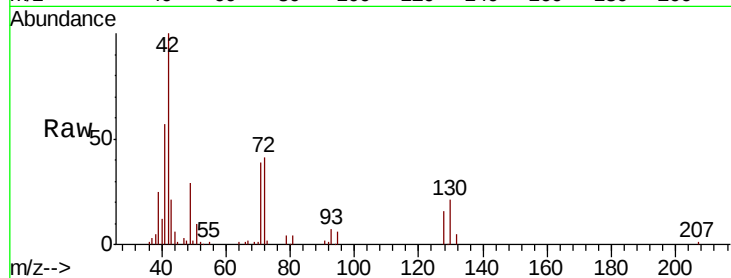




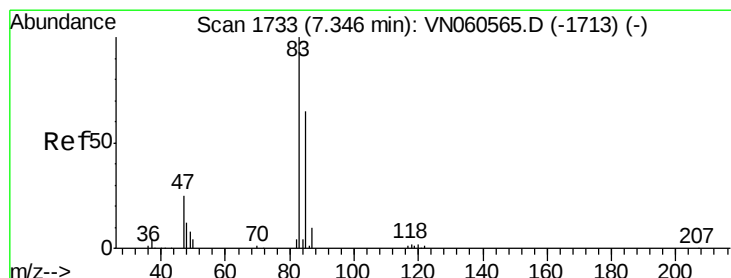
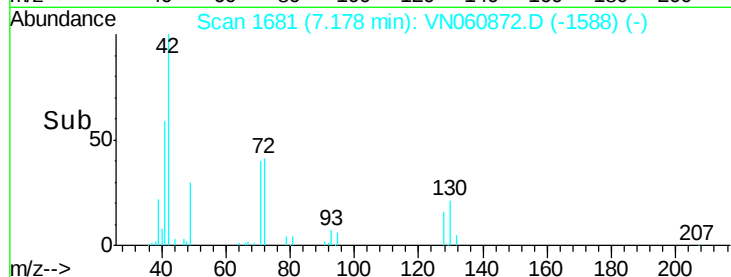
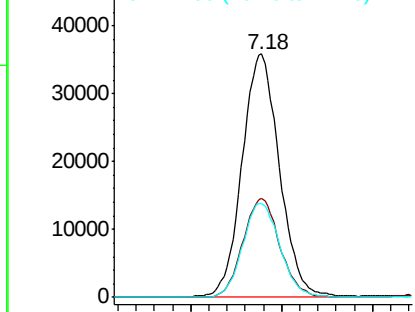
#29
Tetrahydrofuran
Concen: 97.435 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion: 42 Resp: 102551
Ion Ratio Lower Upper
42 100
72 40.0 33.2 49.8
71 38.4 31.1 46.7

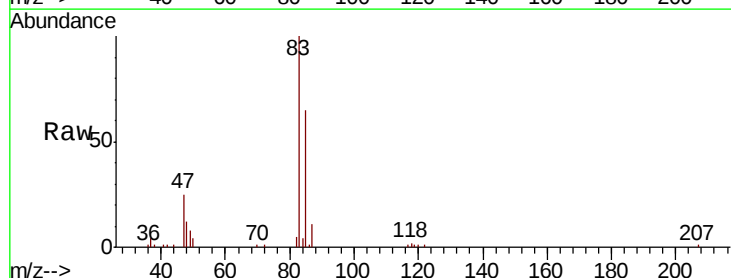


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

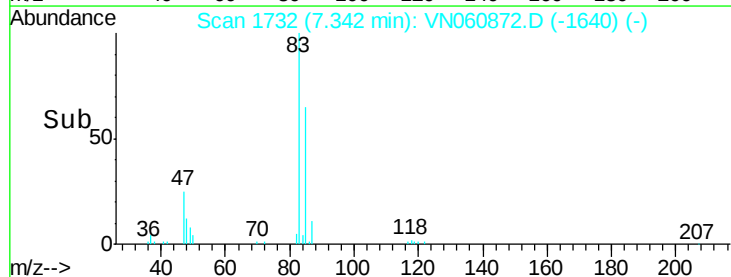
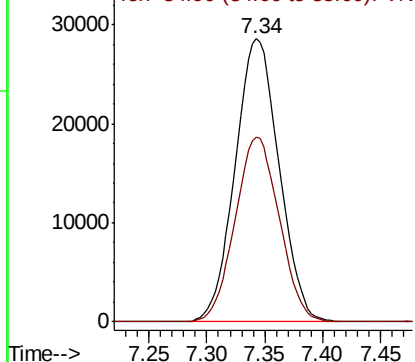


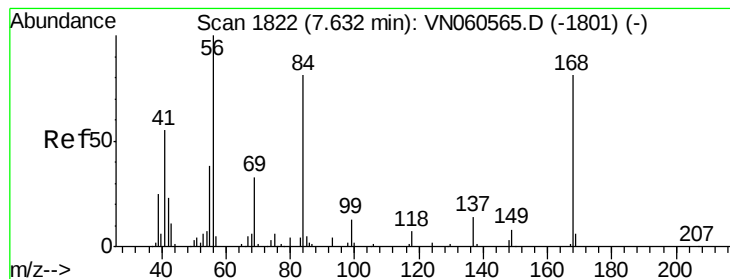
#30
Chloroform
Concen: 18.985 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 83 Resp: 75460
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8



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





#31

Cyclohexane

Concen: 17.584 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

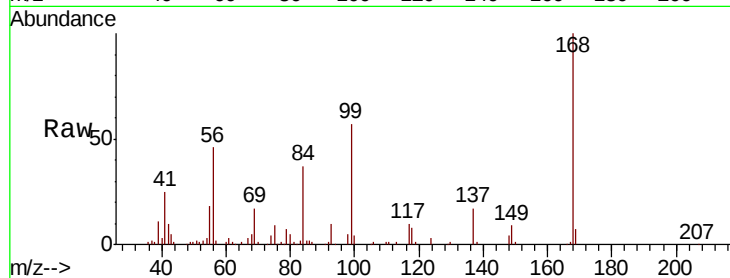
Tot Ion: 56 Resp: 73501

Ion Ratio Lower Upper

56 100

69 36.3 26.6 40.0

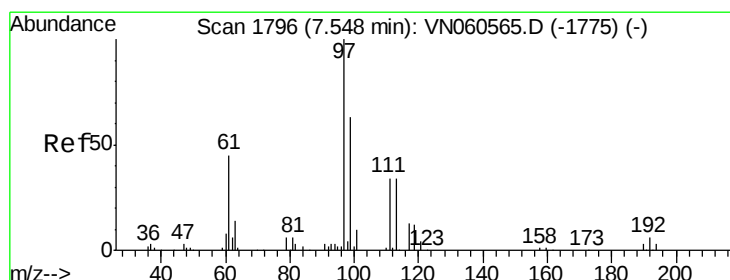
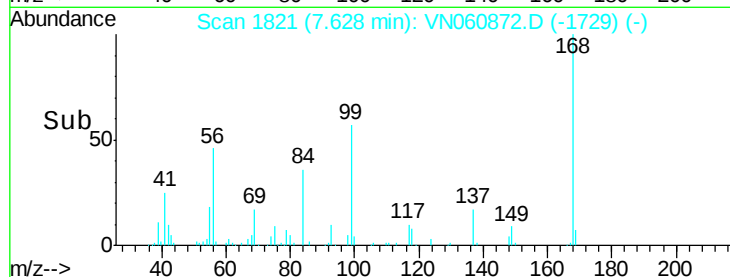
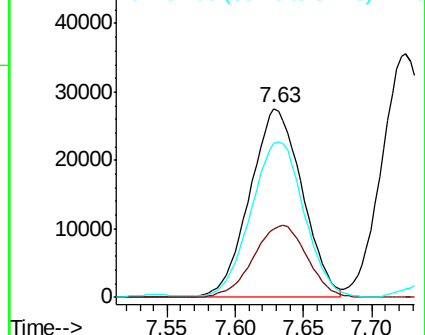
84 80.7 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060872.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060872.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060872.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.563 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

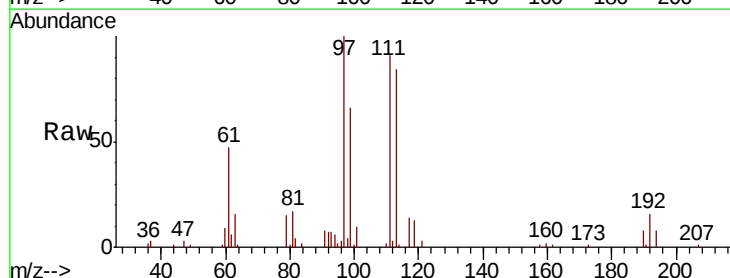
Tgt Ion: 97 Resp: 63607

Ion Ratio Lower Upper

97 100

99 65.1 50.6 75.8

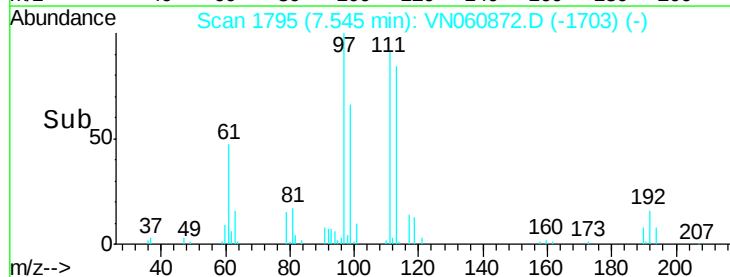
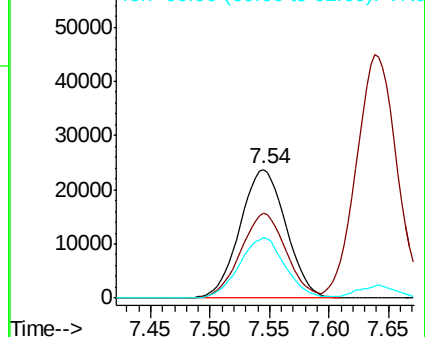
61 46.4 36.2 54.4

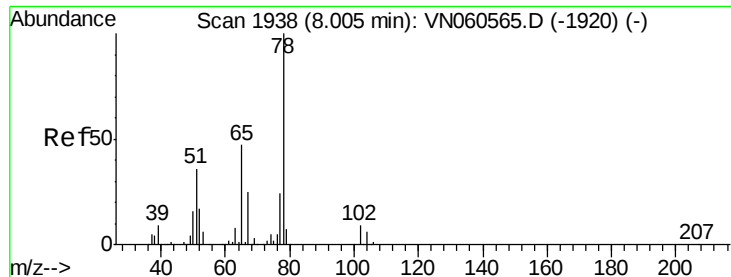


Abundance Ion 96.90 (96.60 to 97.60): VN060872.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060872.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060872.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.921 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

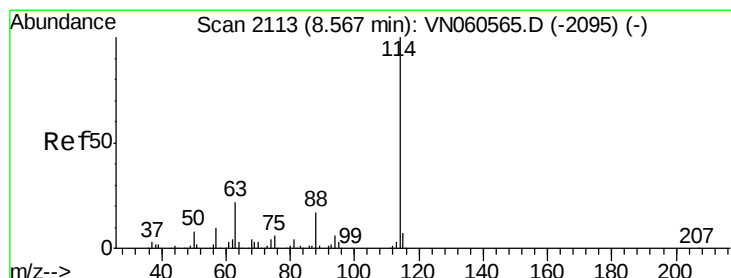
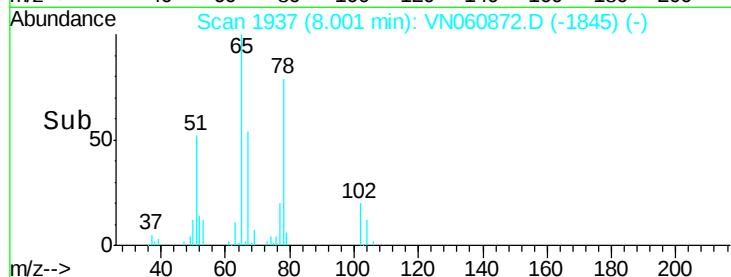
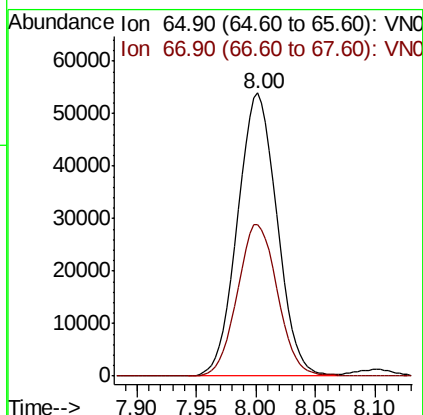
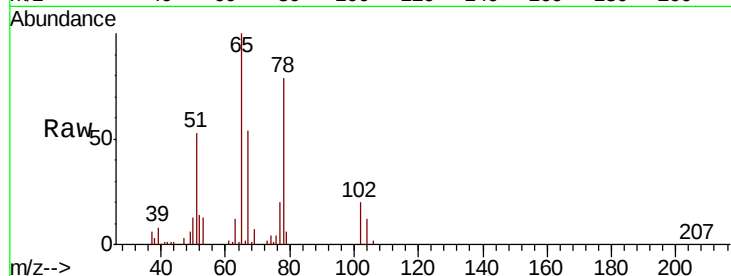
VN0407MBS01

Tot Ion: 65 Resp: 124365

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

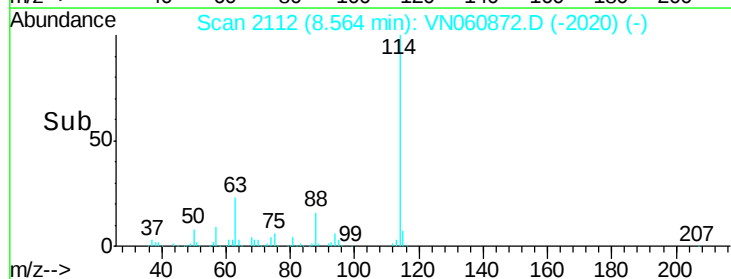
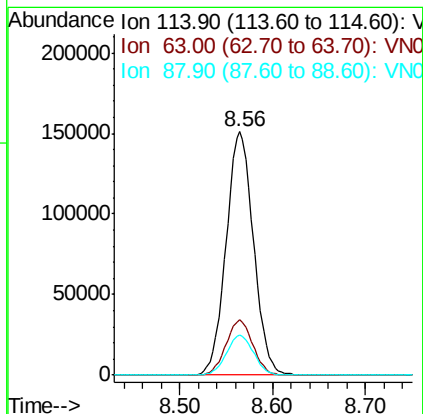
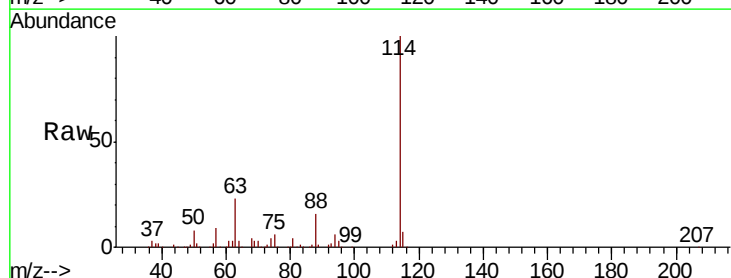
Tgt Ion: 114 Resp: 309319

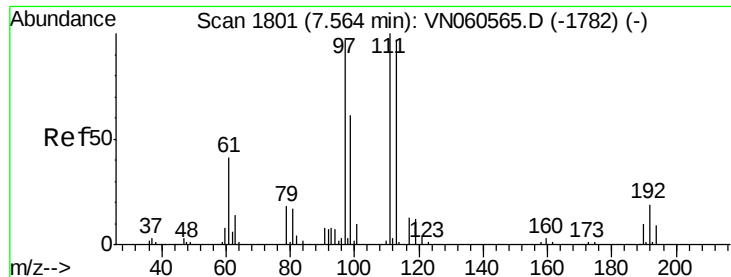
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 16.5 0.0 33.0

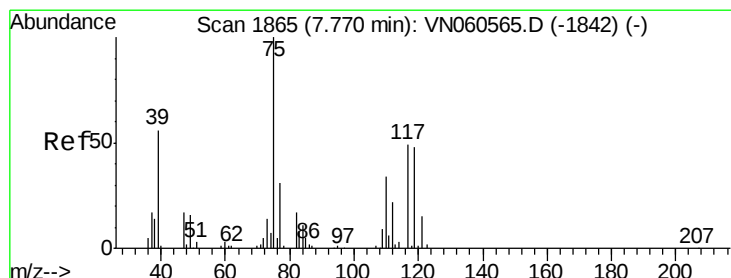
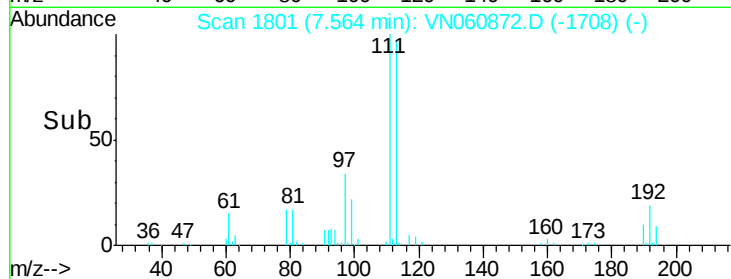
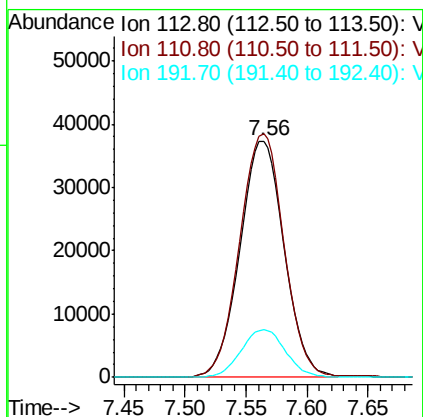
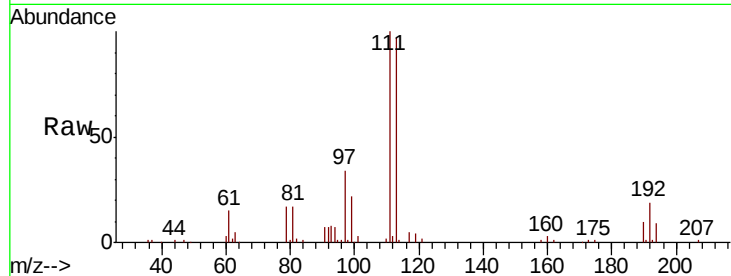




#35
Dibromofluoromethane
Concen: 50.067 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

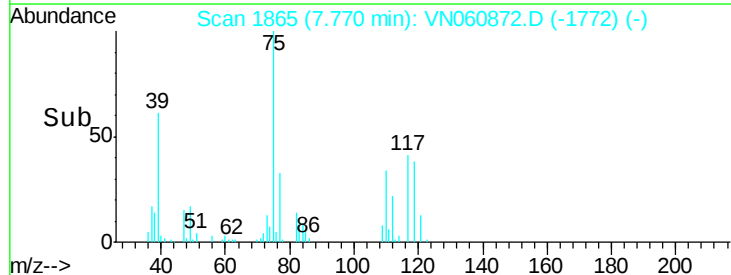
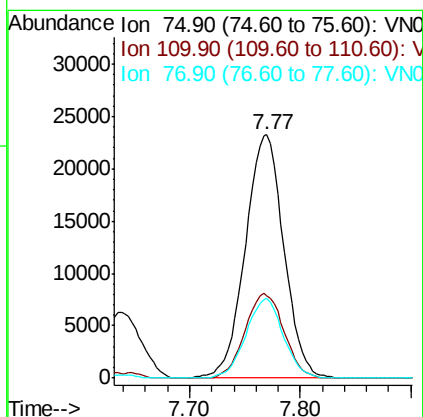
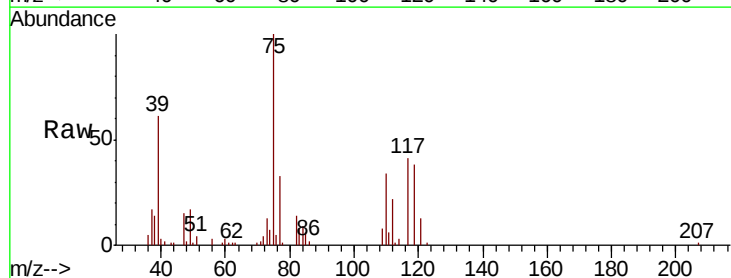
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

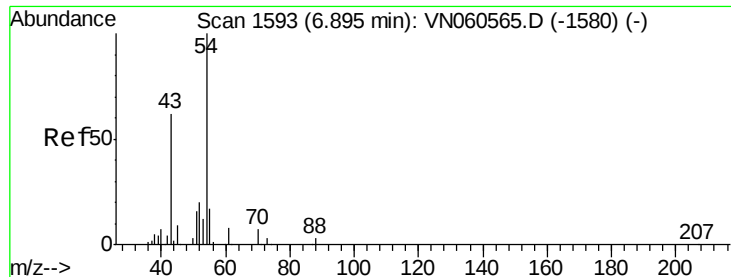
Tot Ion:113 Resp: 93644
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 20.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 18.819 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 75 Resp: 56365
Ion Ratio Lower Upper
75 100
110 35.0 16.9 50.6
77 31.9 24.6 36.8

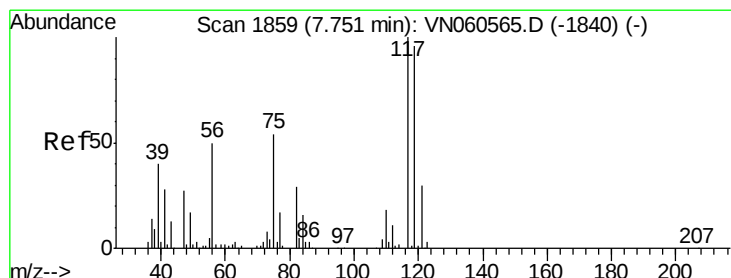
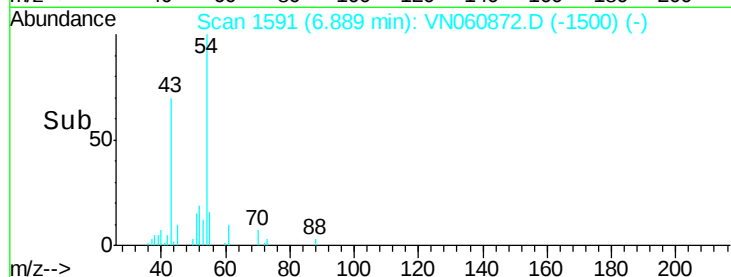
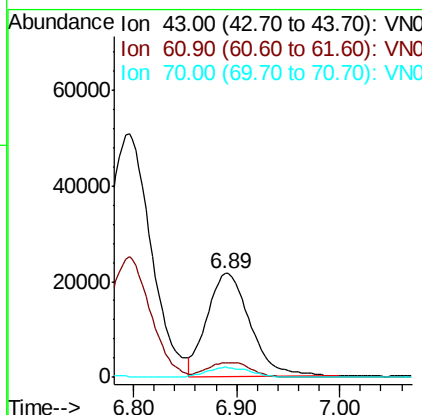
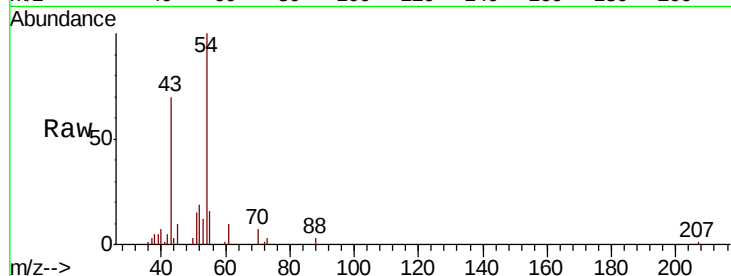




#37
Ethyl Acetate
Concen: 19.474 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

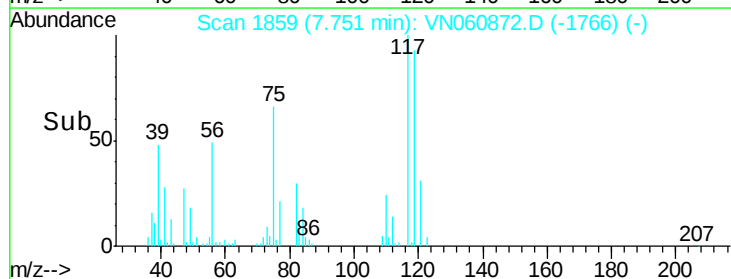
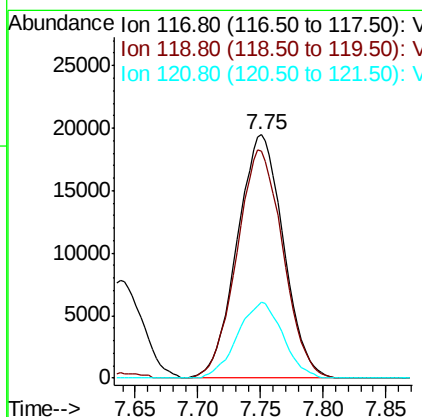
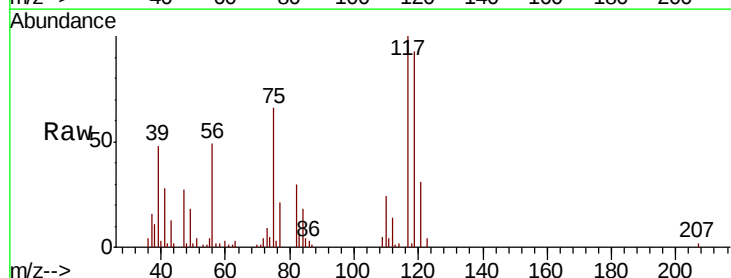
Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

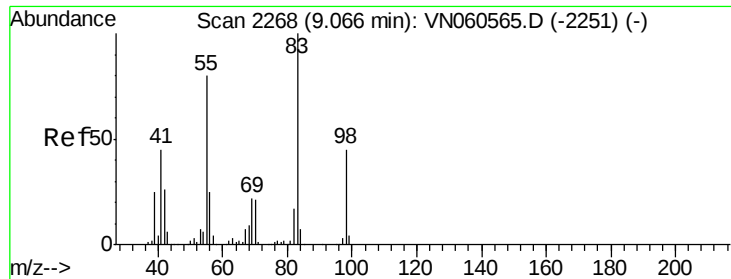
Tot Ion: 43 Resp: 63023
Ion Ratio Lower Upper
43 100
61 14.5 10.6 15.8
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.610 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 117 Resp: 49957
Ion Ratio Lower Upper
117 100
119 93.3 76.2 114.2
121 31.0 23.7 35.5

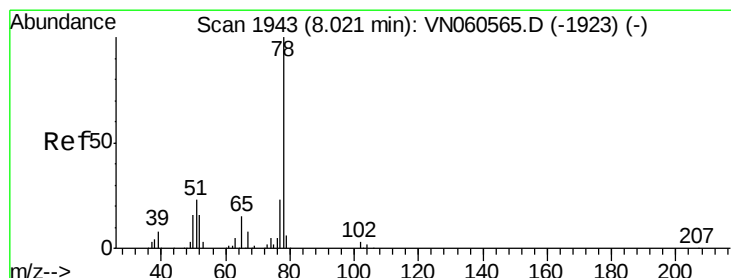
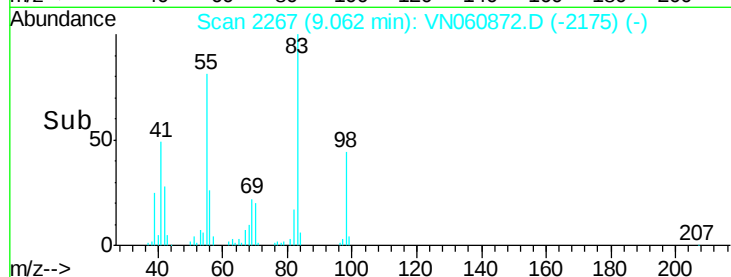
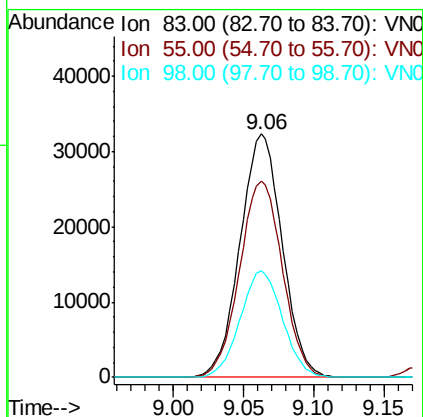
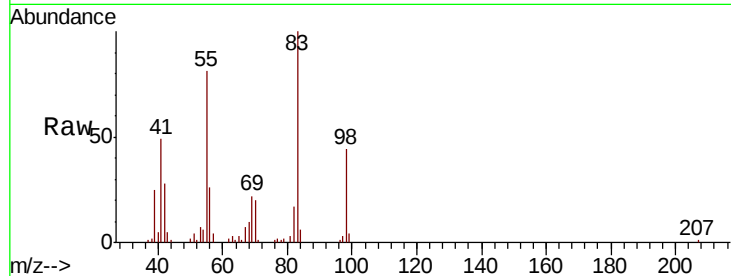




#39
Methvlcvclohexane
Concen: 18.989 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

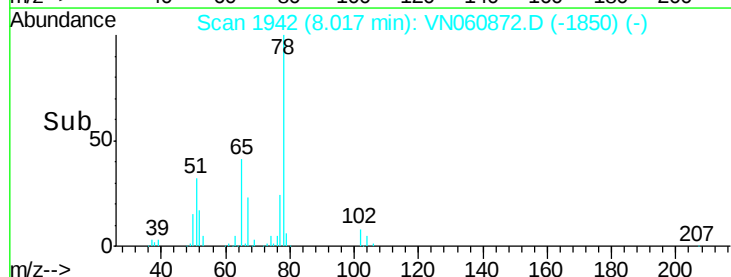
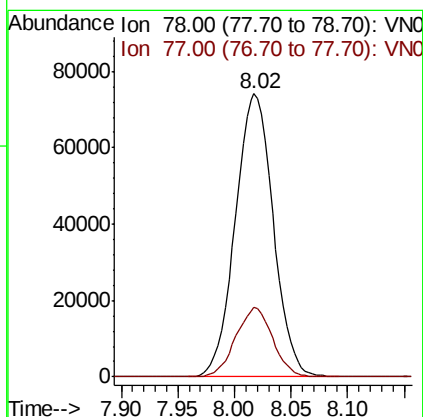
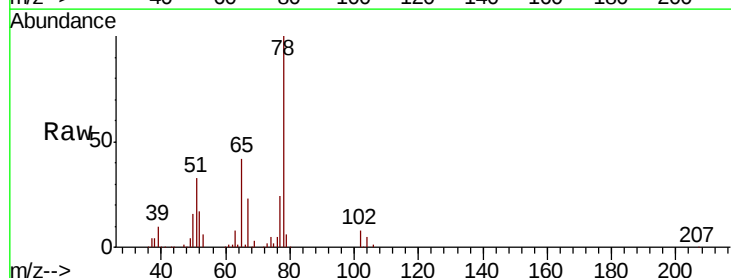
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

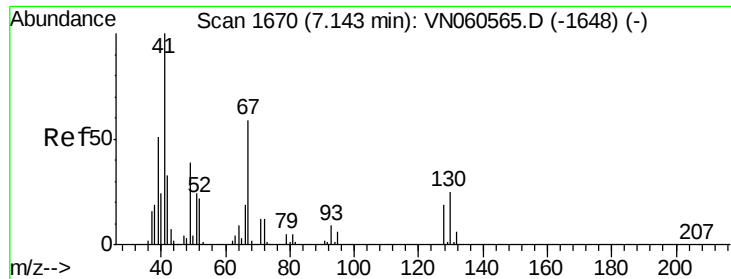
Tot Ion: 83 Resp: 67590
Ion Ratio Lower Upper
83 100
55 80.6 63.6 95.4
98 43.7 36.0 54.0



#40
Benzene
Concen: 19.173 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 78 Resp: 173353
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

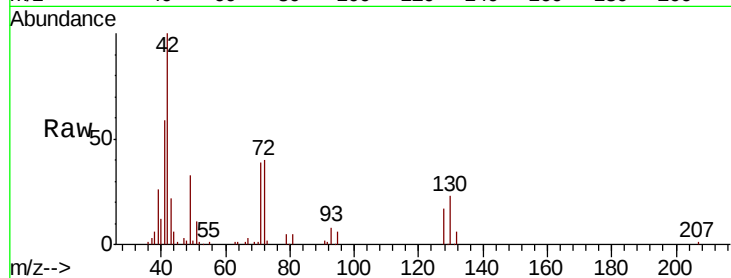




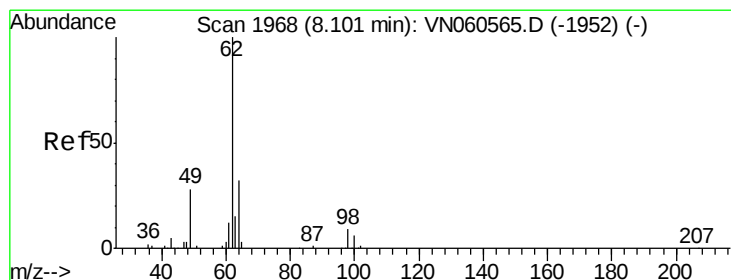
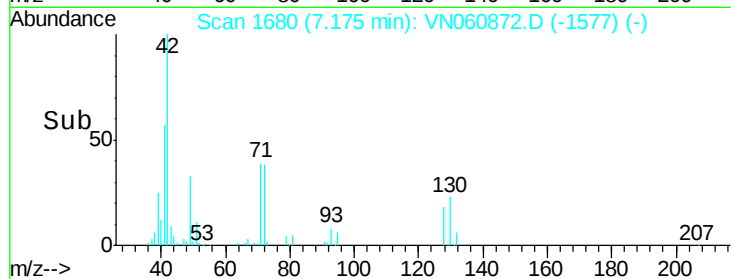
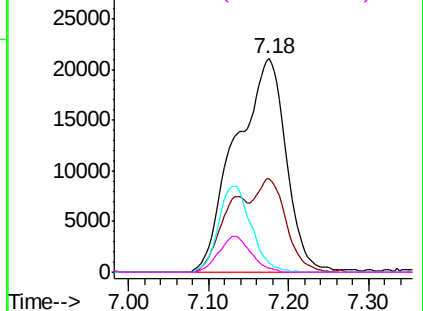
#41
Methacrylonitrile
Concen: 66.358 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion:	41	Resp:	91652
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

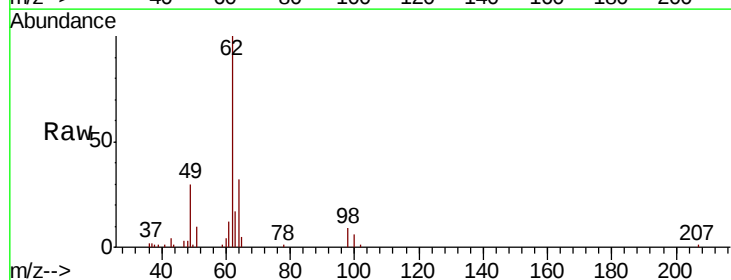


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

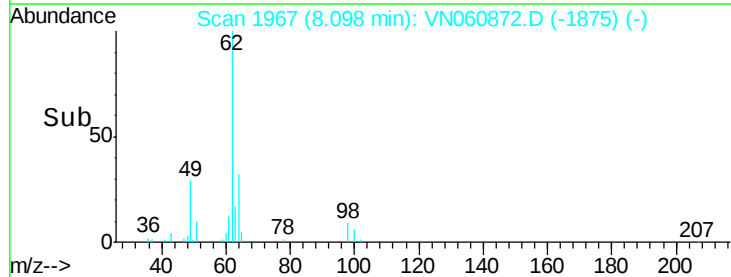
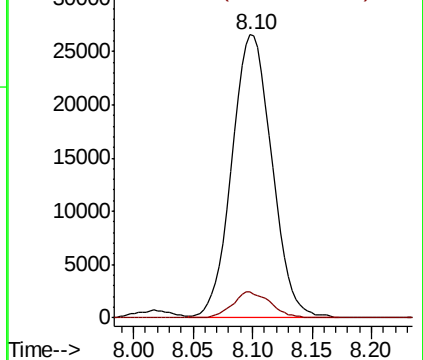


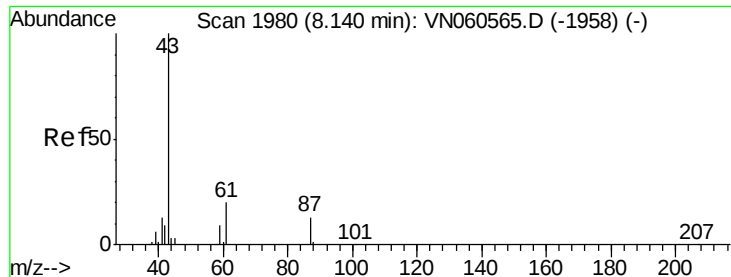
#42
1,2-Dichloroethane
Concen: 20.096 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:	62	Resp:	62098
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.204 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

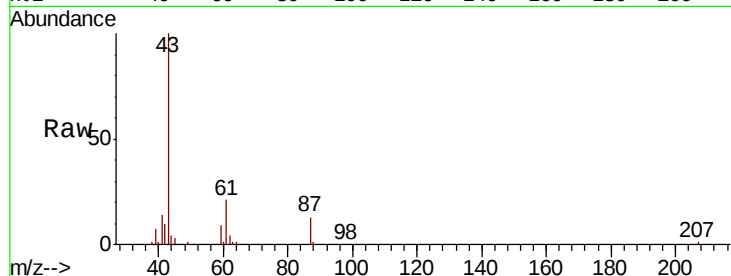
Tot Ion: 43 Resp: 107834

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

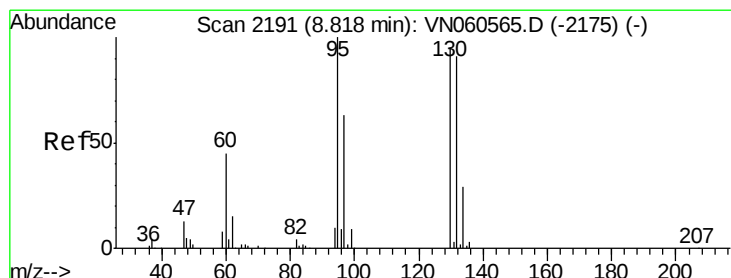
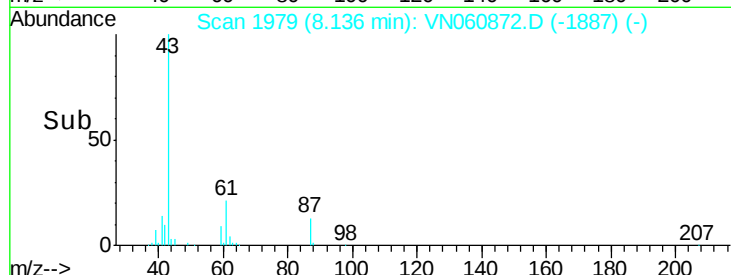
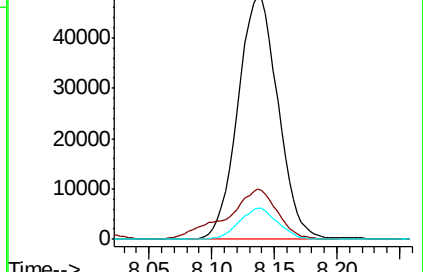
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060872.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060872.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060872.D (-1979) (-)



#44

Trichloroethene

Concen: 19.215 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060872.D

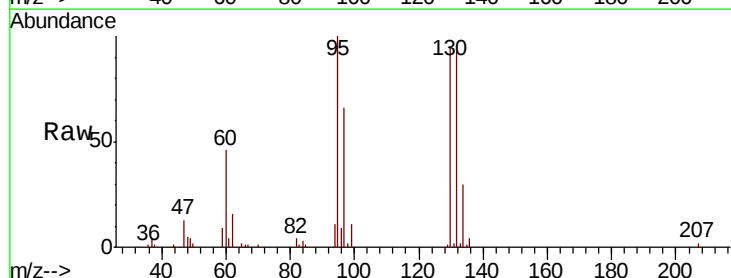
Acq: 7 Apr 2020 13:14

Tgt Ion:130 Resp: 43796

Ion Ratio Lower Upper

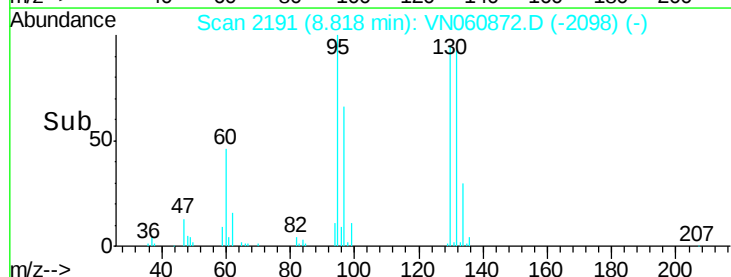
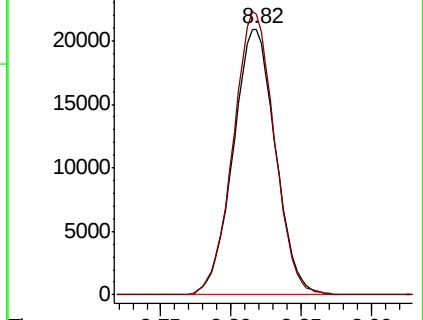
130 100

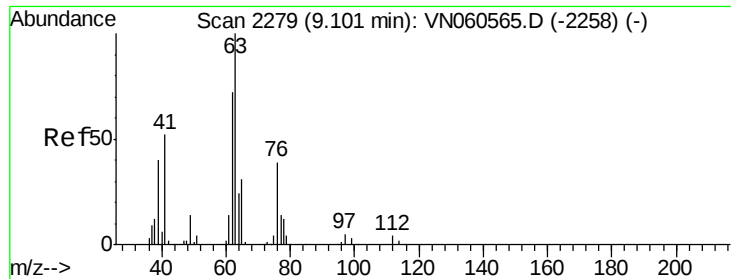
95 105.5 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060872.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN060872.D (-2191) (-)

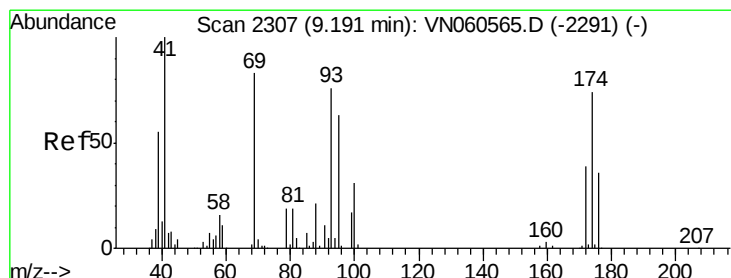
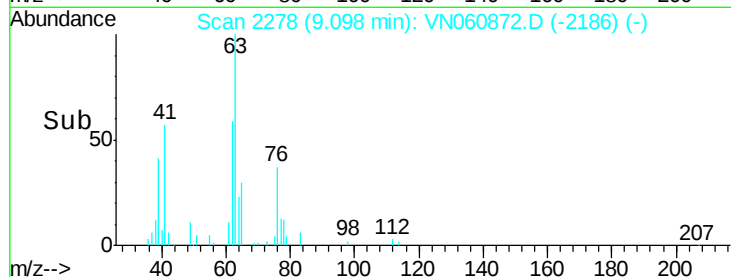
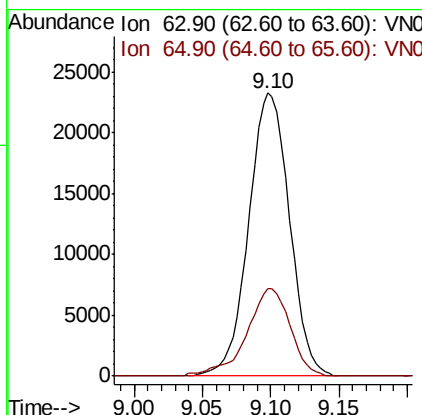
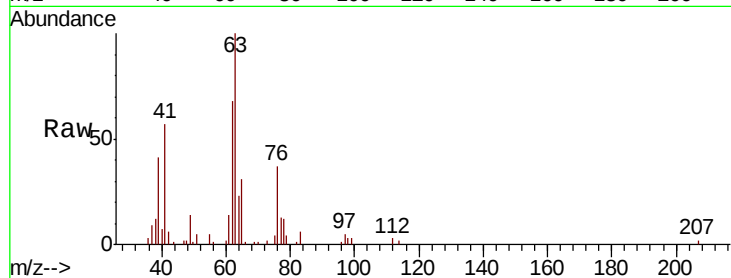




#45
 1,2-Dichloropropane
 Concen: 20.242 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

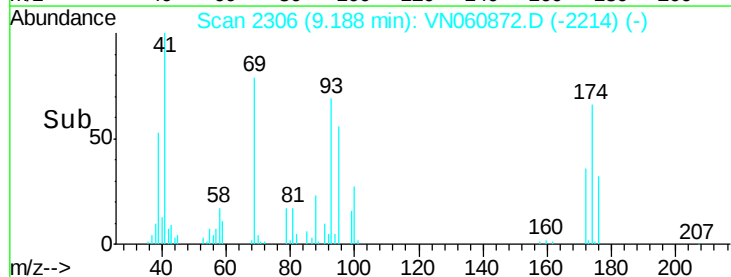
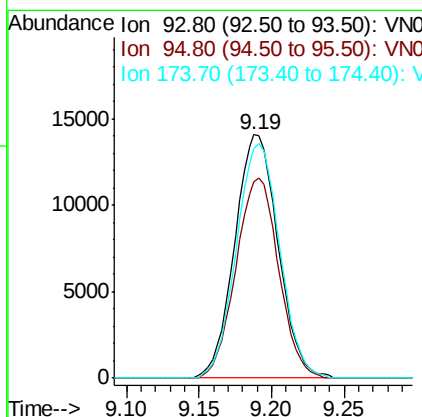
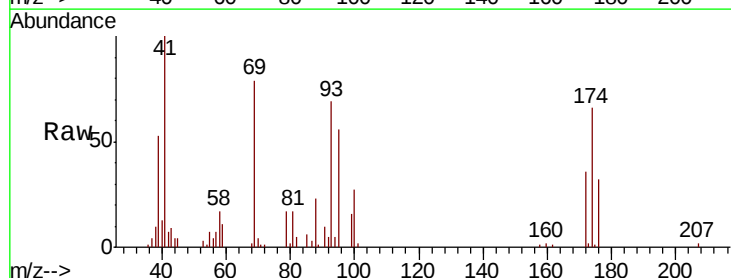
Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion: 63 Resp: 48293
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0



#46
 Dibromomethane
 Concen: 20.344 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 93 Resp: 29344
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.2 99.4
 174 96.0 77.9 116.9





#47

Bromodichloromethane

Concen: 19.771 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

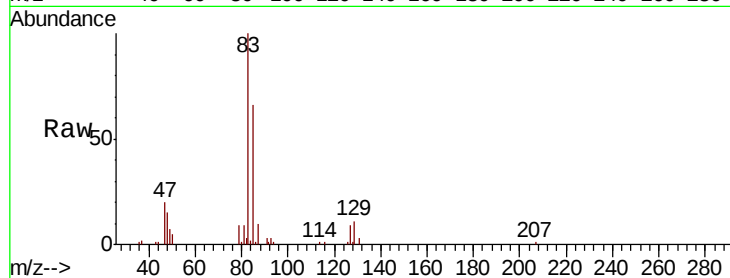
Tot Ion: 83 Resp: 59259

Ion Ratio Lower Upper

83 100

85 65.6 51.8 77.6

127 8.8 6.5 9.7

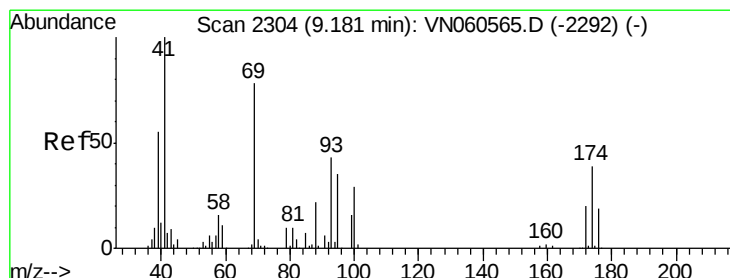
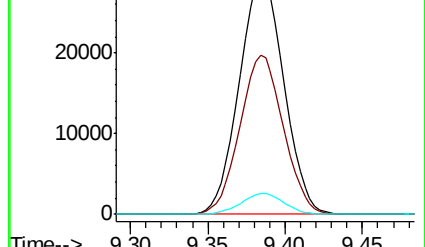
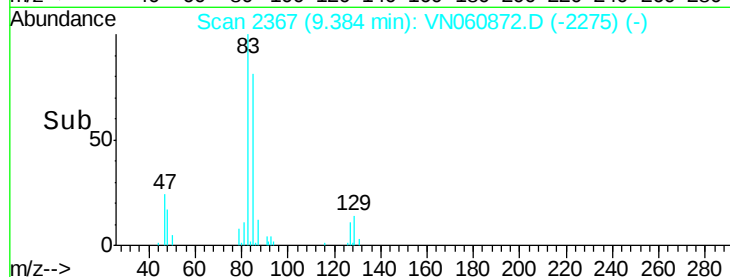


Abundance Ion 82.90 (82.60 to 83.60): VN060872.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060872.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060872.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.919 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

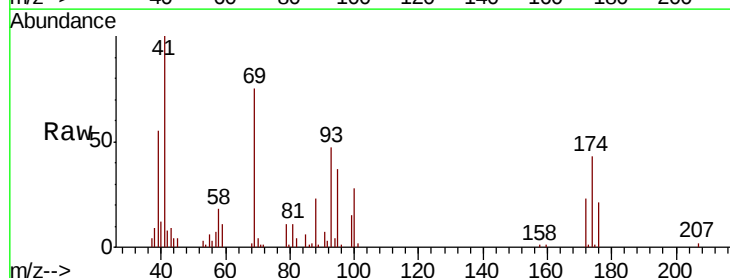
Tgt Ion: 41 Resp: 47334

Ion Ratio Lower Upper

41 100

69 80.2 65.4 98.0

39 56.4 44.0 66.0

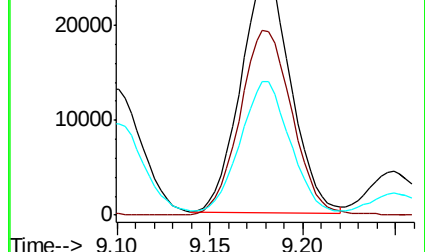
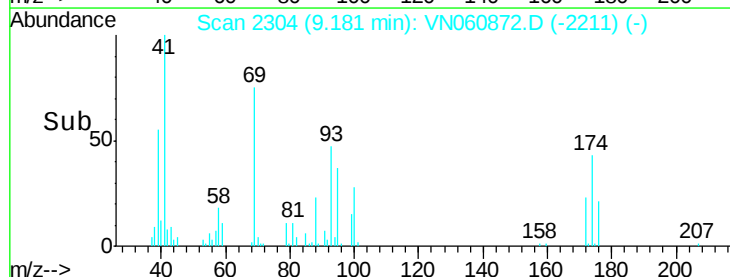


Abundance Ion 41.00 (40.70 to 41.70): VN060872.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060872.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060872.D (-2211) (-)

Time-->

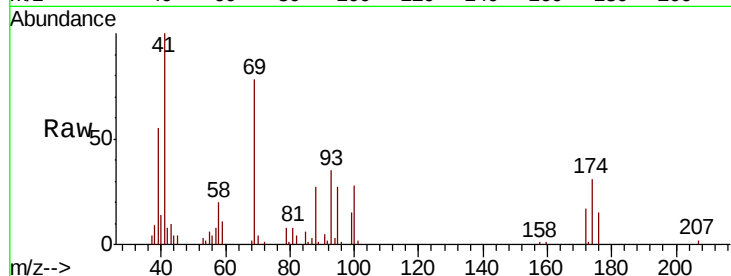




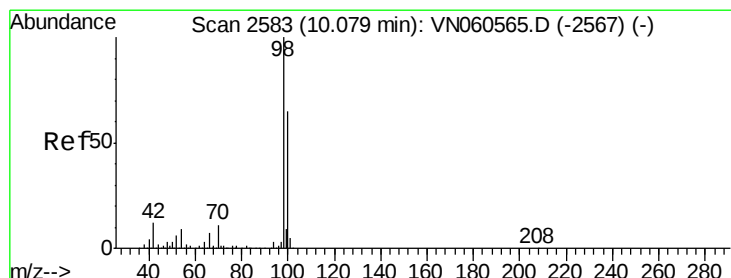
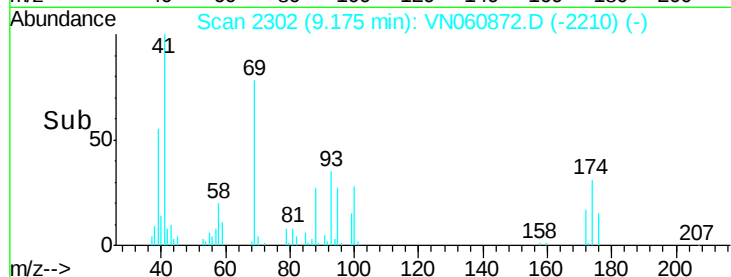
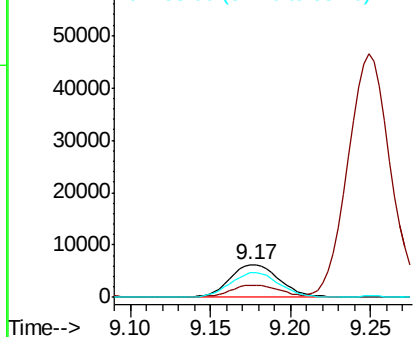
#49
1,4-Dioxane
Concen: 468.922 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion: 88 Resp: 13245
Ion Ratio Lower Upper
88 100
43 37.9 30.8 46.2
58 74.2 59.8 89.8

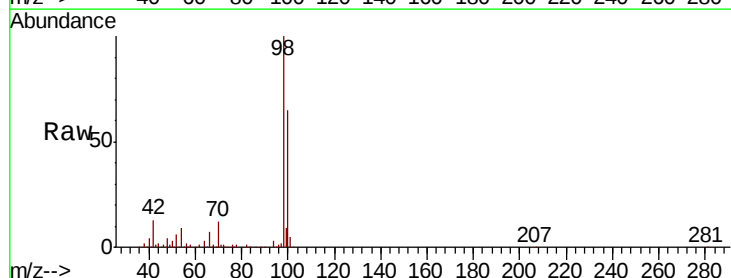


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

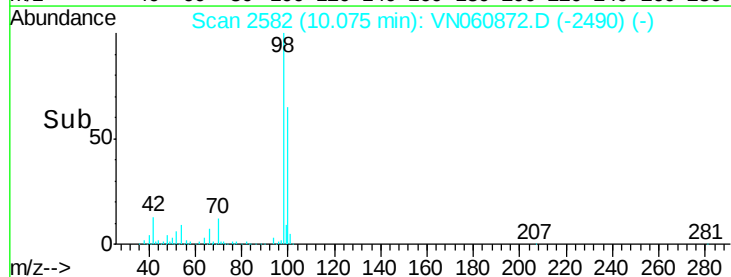
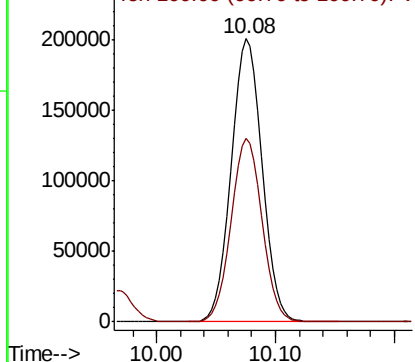


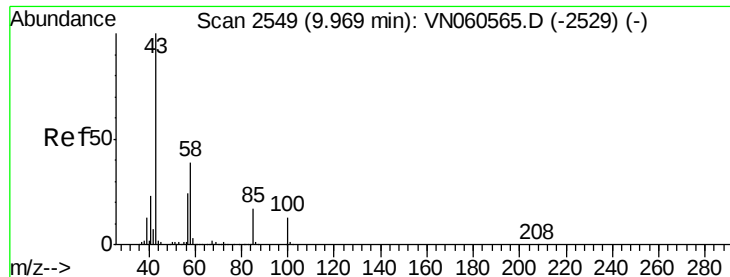
#50
Toluene-d8
Concen: 47.393 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 98 Resp: 362063
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



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: 103.695 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

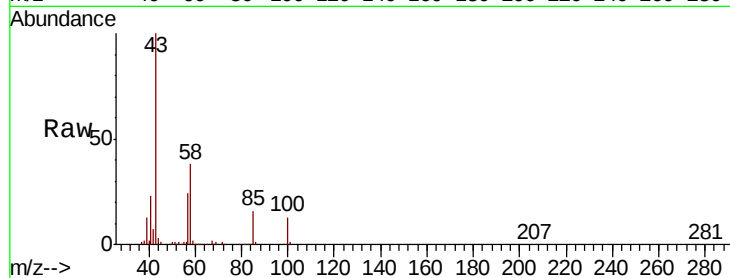
VN0407MBS01

Tot Ion: 43 Resp: 314940

Ion Ratio Lower Upper

43 100

58 37.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060872.D (-2548) (-)

Ion 58.00 (57.70 to 58.70): VN060872.D (-2548) (-)

9.97

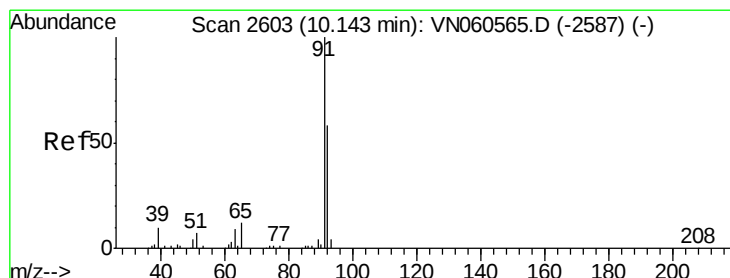
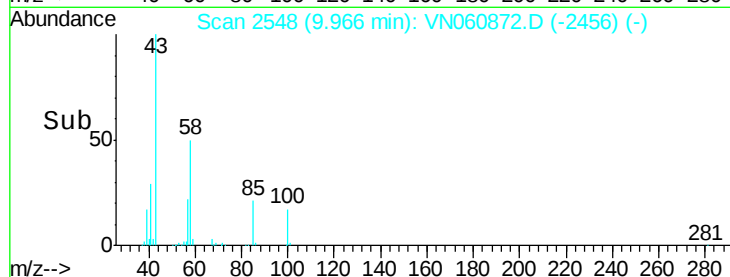
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.209 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060872.D

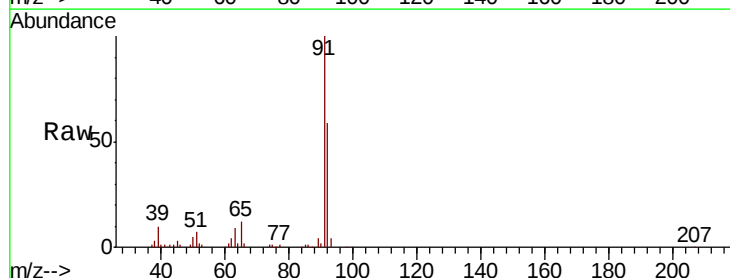
Acq: 7 Apr 2020 13:14

Tgt Ion: 92 Resp: 104893

Ion Ratio Lower Upper

92 100

91 173.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060872.D (-2602) (-)

Ion 91.00 (90.70 to 91.70): VN060872.D (-2602) (-)

10.14

100000

80000

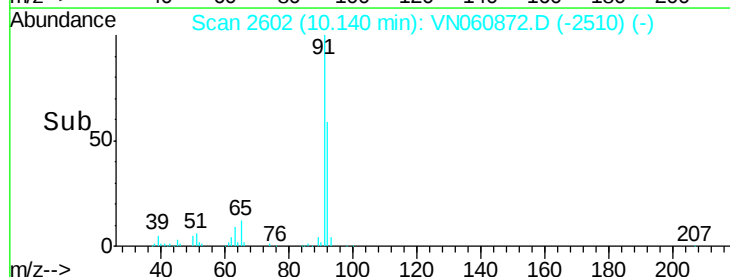
60000

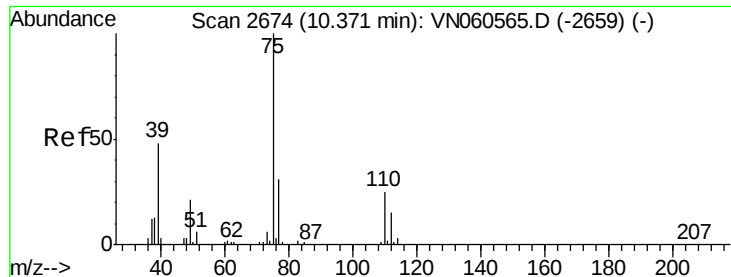
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

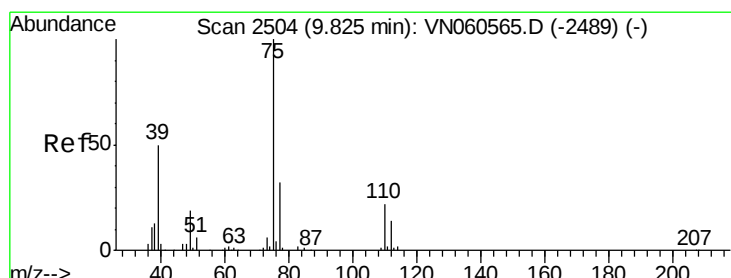
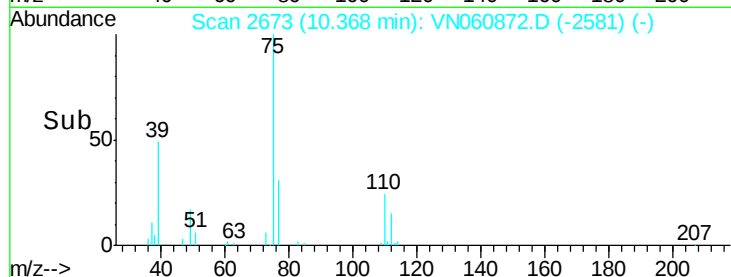
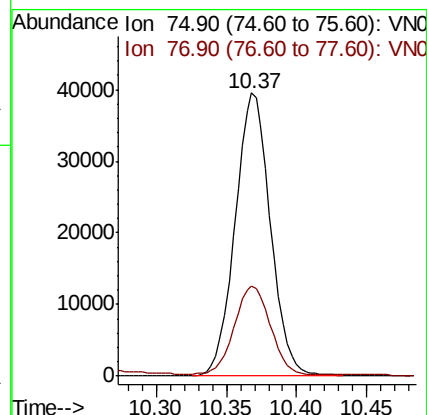
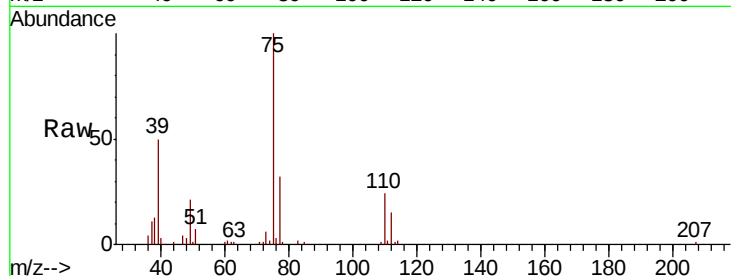
VN0407MBS01

Tot Ion: 75 Resp: 69196

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.909 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

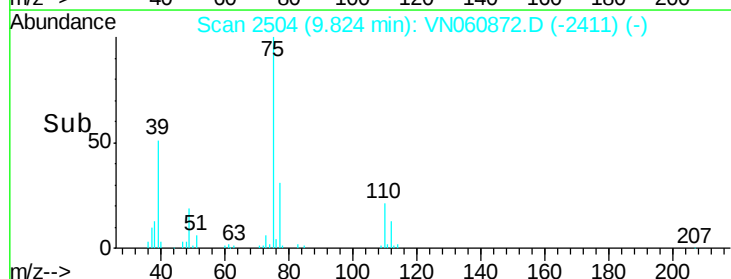
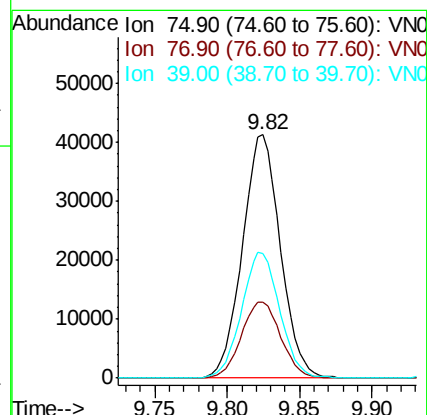
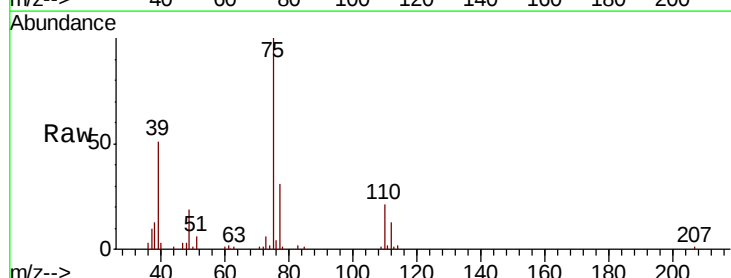
Tgt Ion: 75 Resp: 75198

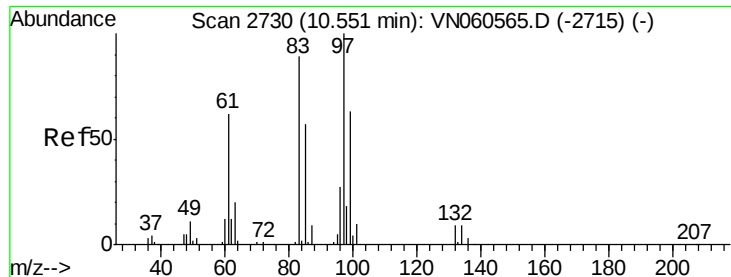
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 51.4 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 20.220 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

Tot Ion: 97 Resp: 42477

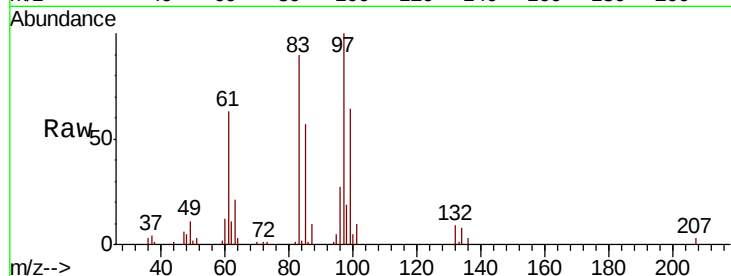
Ion Ratio Lower Upper

97 100

83 89.6 71.3 106.9

85 57.3 45.2 67.8

99 63.7 50.1 75.1

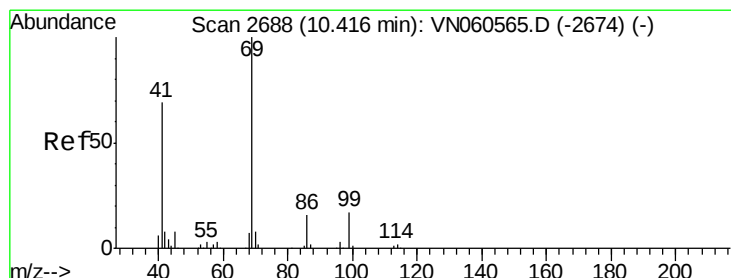
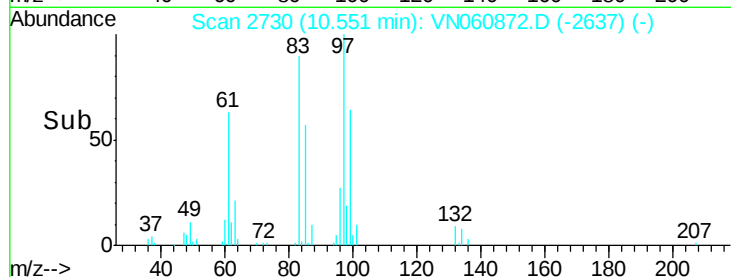
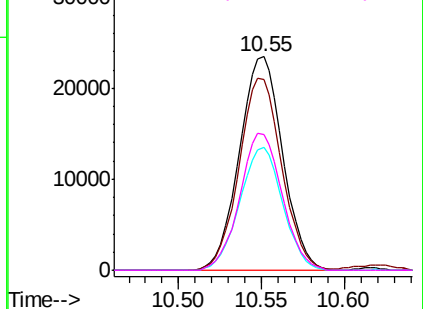


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.843 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

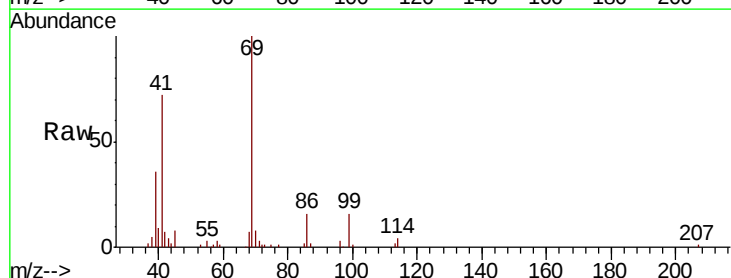
Tgt Ion: 69 Resp: 64998

Ion Ratio Lower Upper

69 100

41 71.2 55.4 83.2

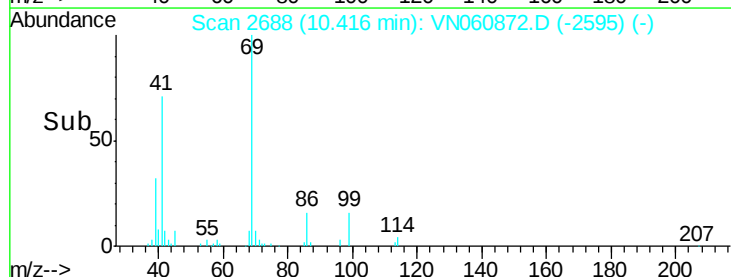
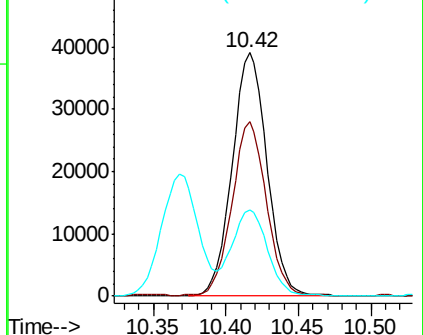
39 36.6 29.4 44.0

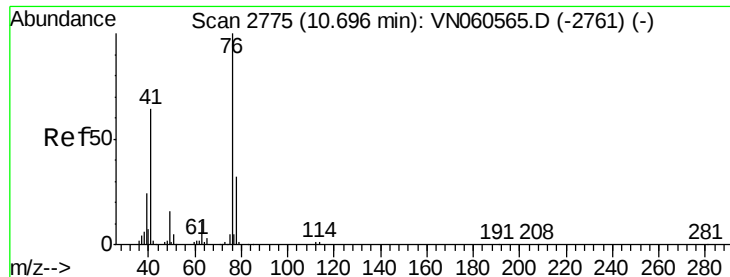


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.273 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

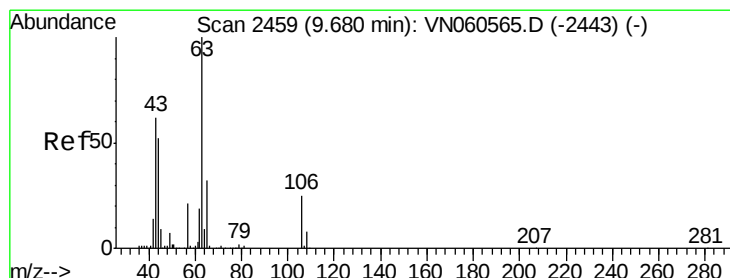
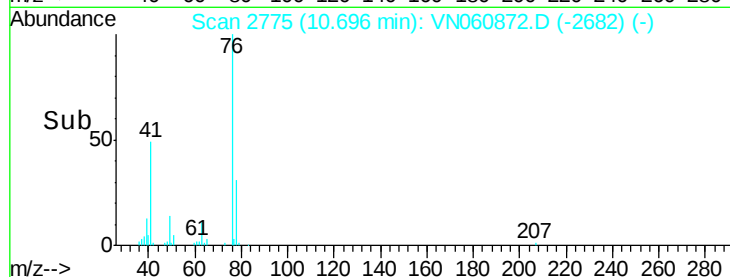
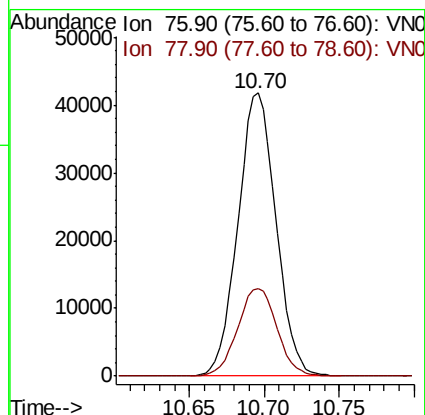
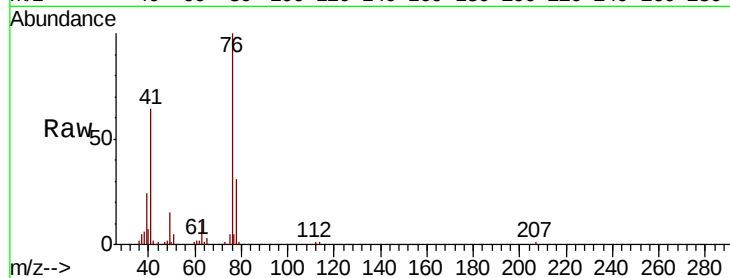
VN0407MBS01

Tot Ion: 76 Resp: 73906

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 91.506 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060872.D

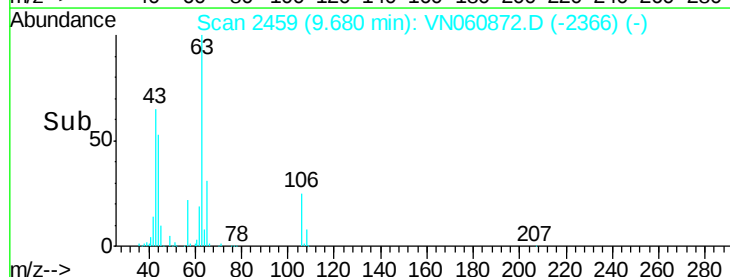
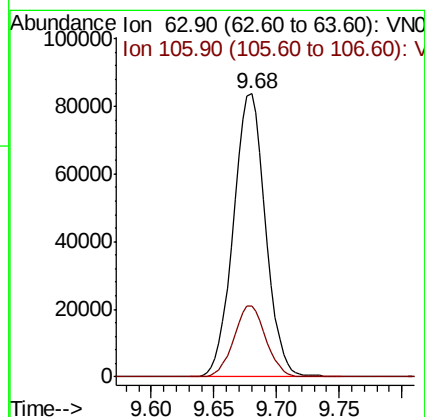
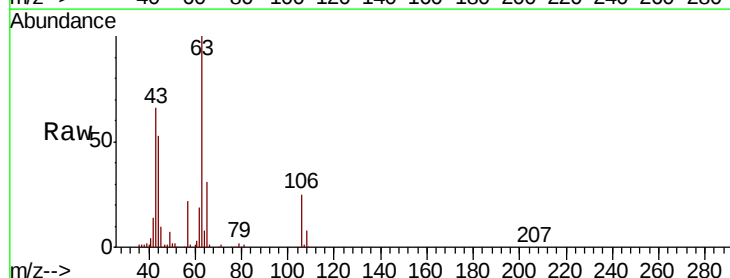
Acq: 7 Apr 2020 13:14

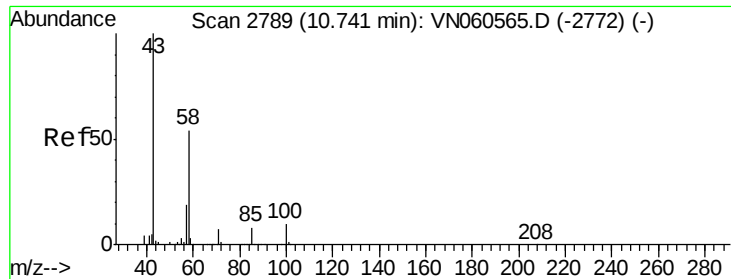
Tgt Ion: 63 Resp: 148971

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0

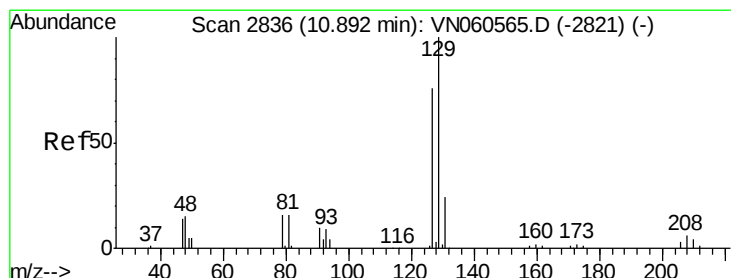
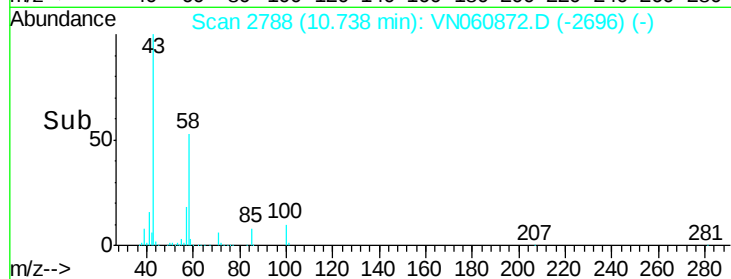
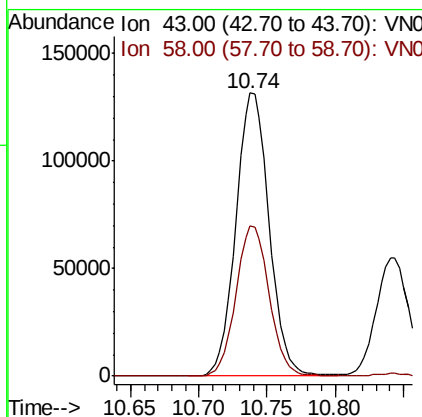
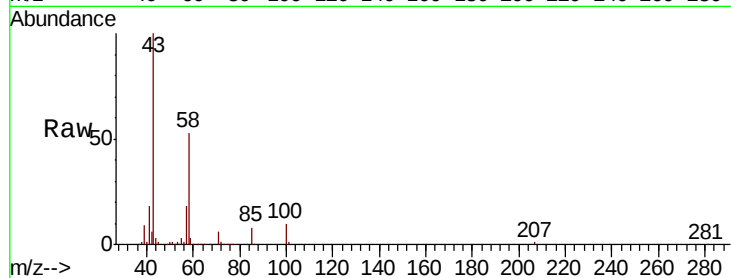




#59
2-Hexanone
Concen: 102.011 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

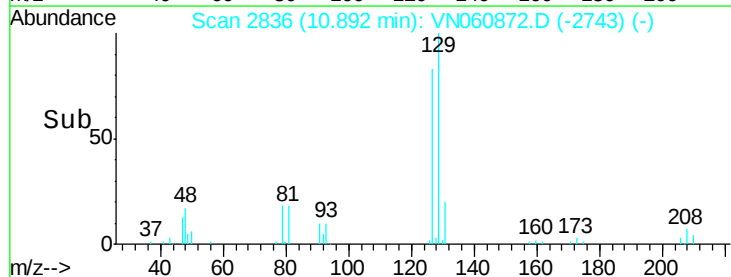
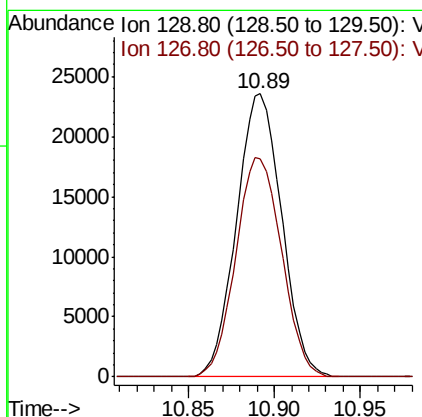
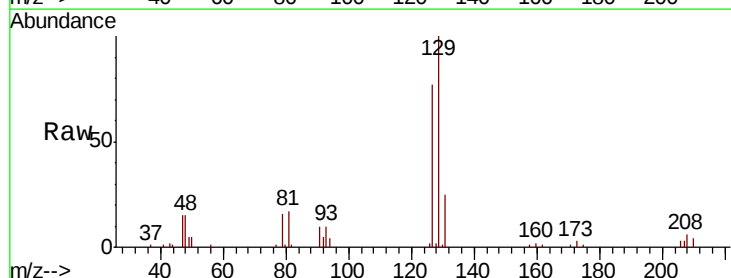
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

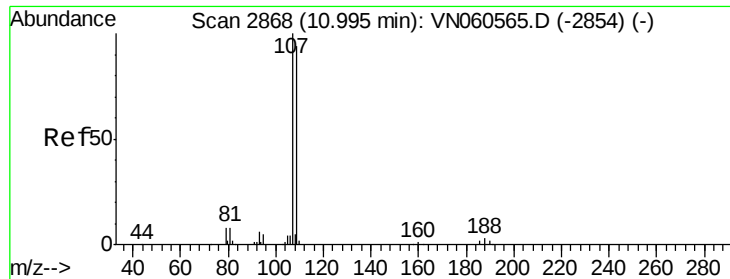
Tot Ion: 43 Resp: 223184
Ion Ratio Lower Upper
43 100
58 53.1 26.7 80.1



#60
Dibromochloromethane
Concen: 19.809 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 129 Resp: 42984
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5

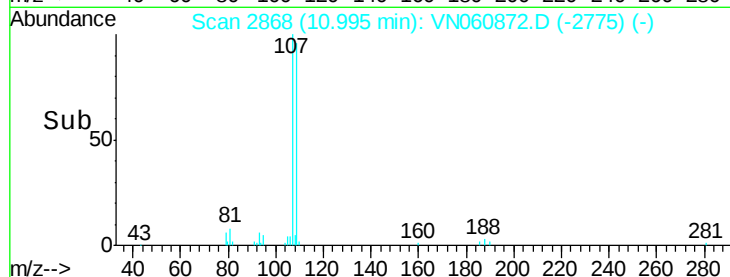
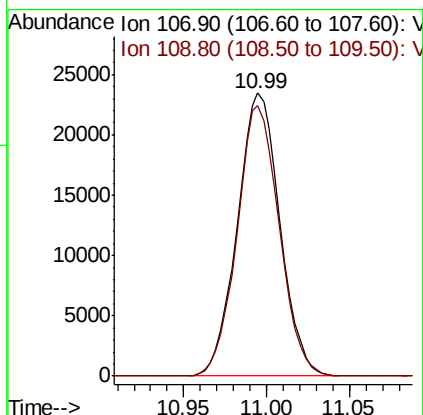
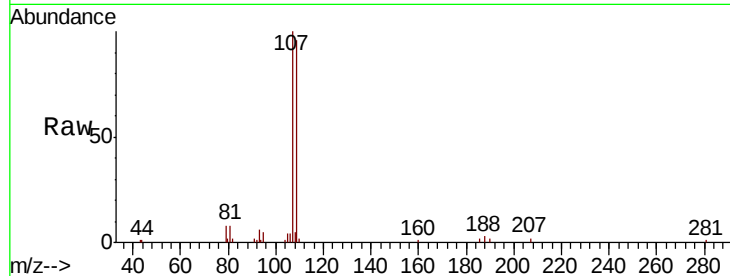




#61
 1,2-Dibromoethane
 Concen: 19.781 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

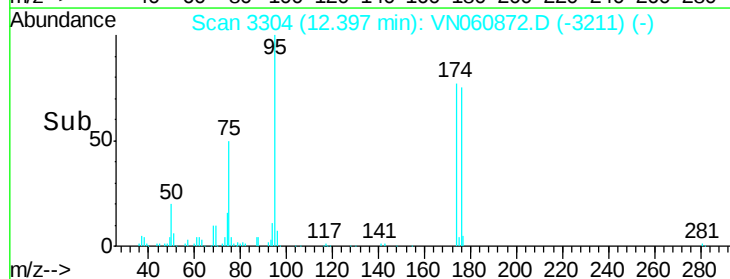
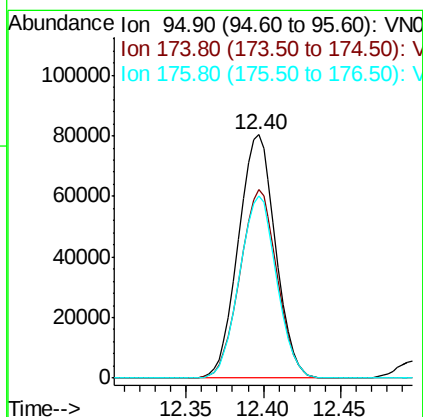
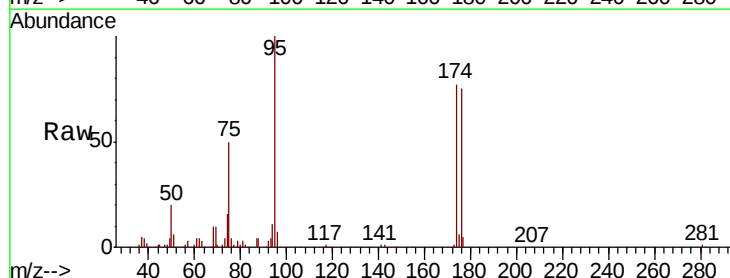
Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion:107 Resp: 41786
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 95 Resp: 134438
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 157.6
 176 74.8 0.0 150.6

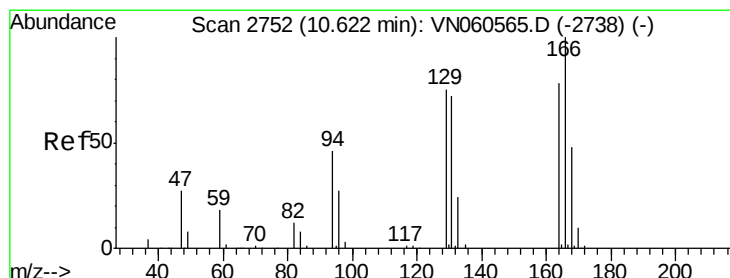
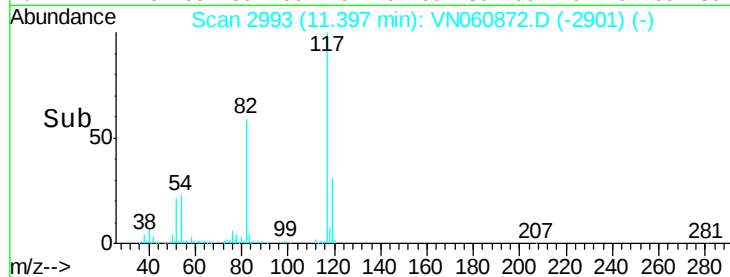
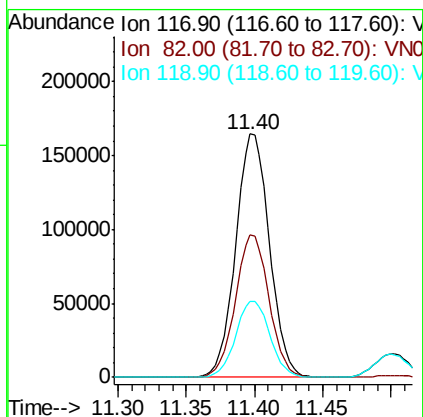
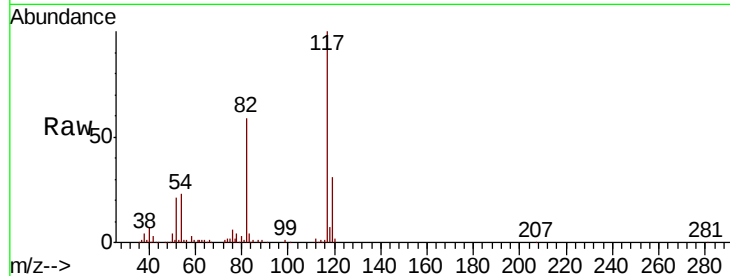




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

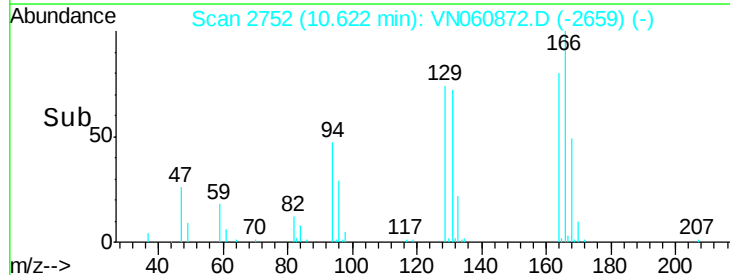
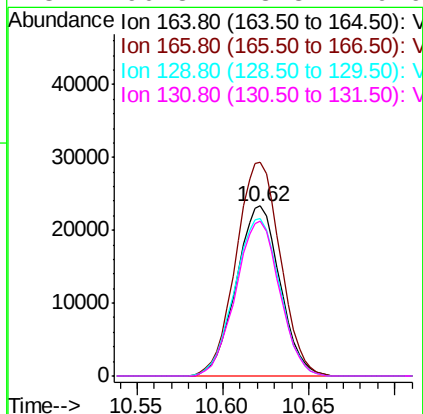
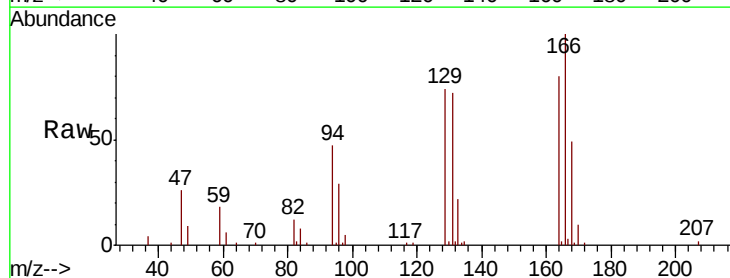
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion:117 Resp: 282631
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 18.542 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:164 Resp: 41239
Ion Ratio Lower Upper
164 100
166 125.6 102.7 154.1
129 92.4 77.2 115.8
131 90.8 73.8 110.6

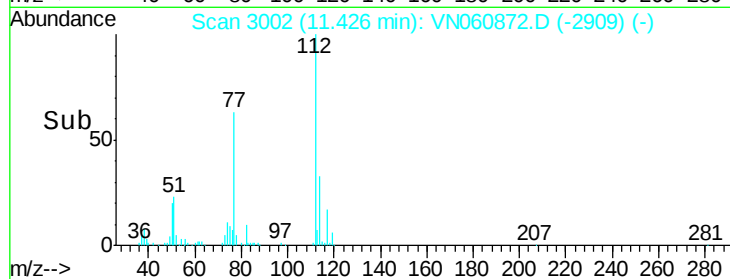
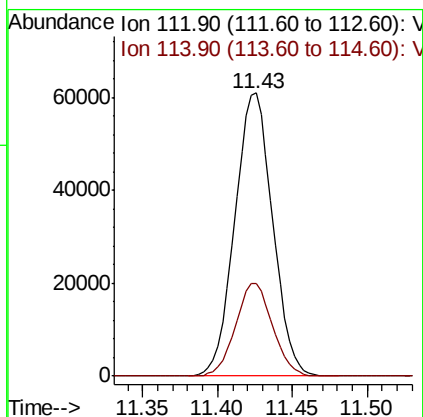
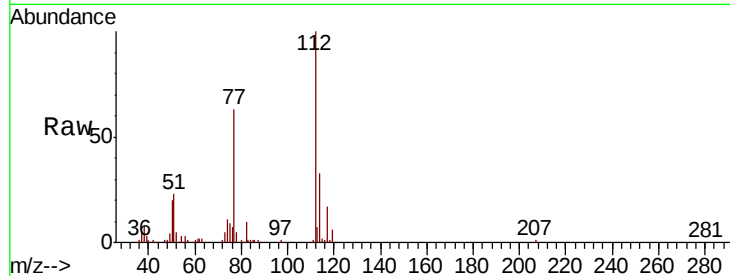




#65
Chlorobenzene
Concen: 19.139 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

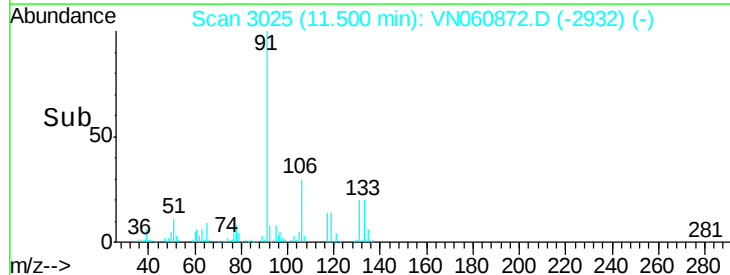
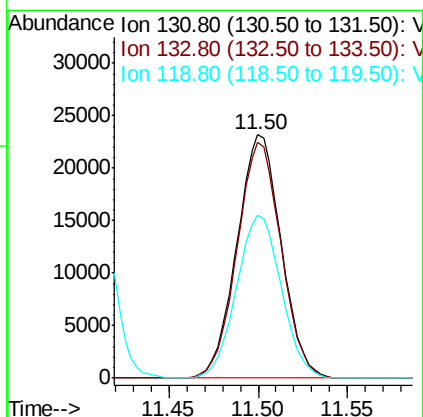
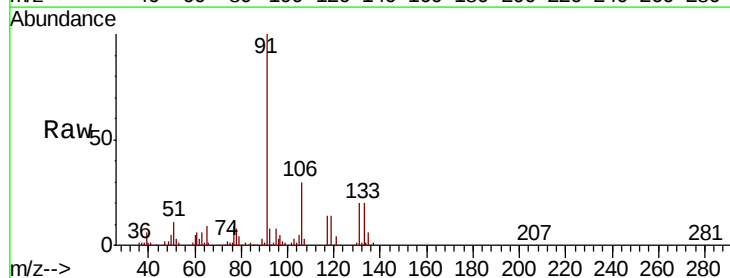
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

Tot Ion:112 Resp: 107232
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.837 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:131 Resp: 40242
Ion Ratio Lower Upper
131 100
133 96.1 48.9 146.8
119 67.6 33.9 101.7





#67

Ethyl Benzene

Concen: 19.231 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

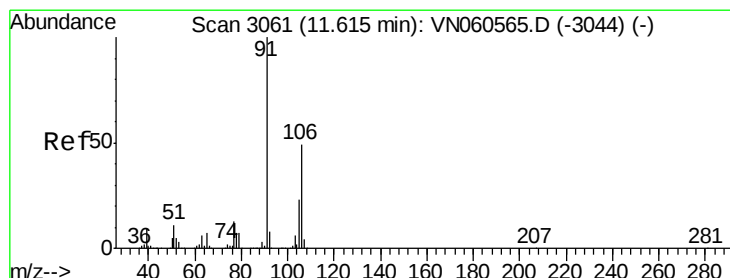
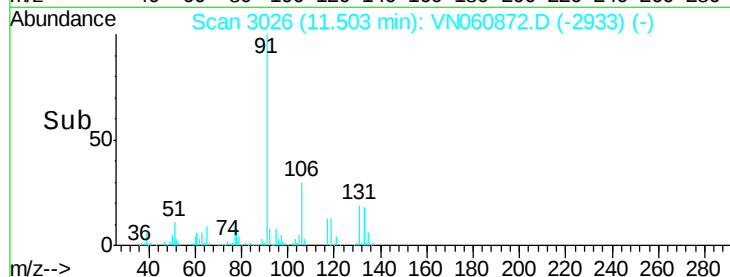
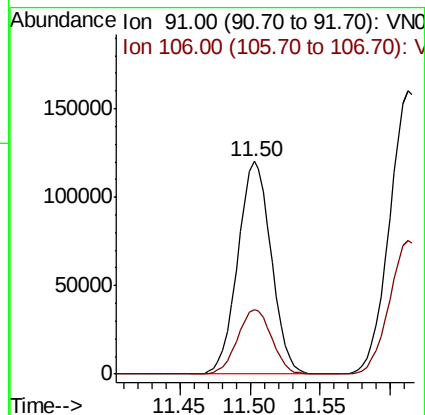
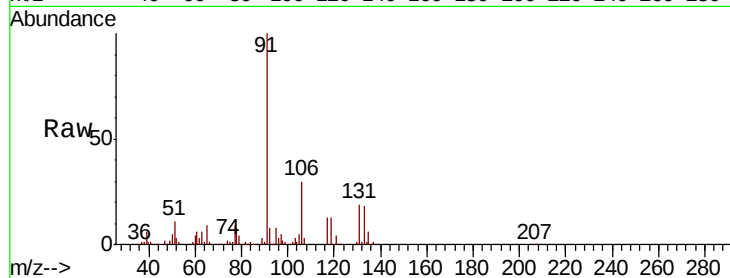
VN0407MBS01

Tot Ion: 91 Resp: 200377

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2



#68

m/p-Xylenes

Concen: 37.874 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060872.D

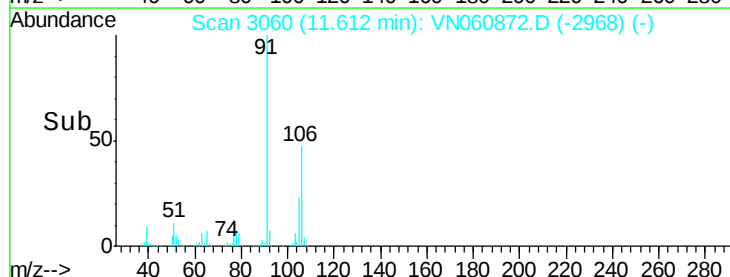
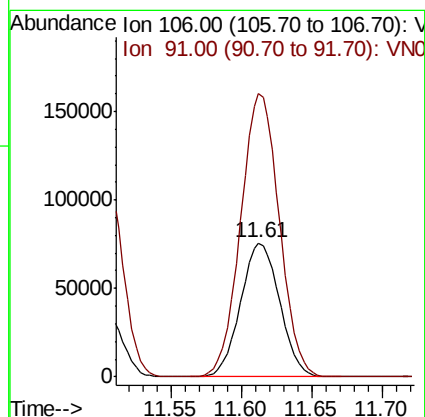
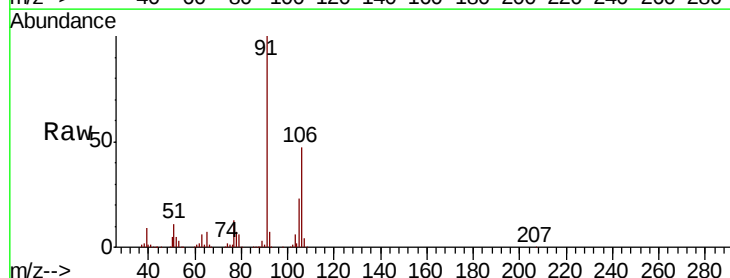
Acq: 7 Apr 2020 13:14

Tgt Ion:106 Resp: 146644

Ion Ratio Lower Upper

106 100

91 209.6 165.0 247.4

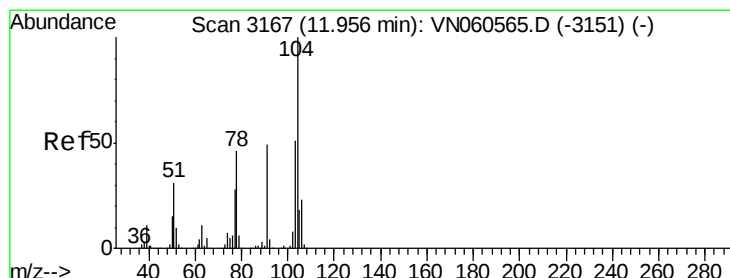
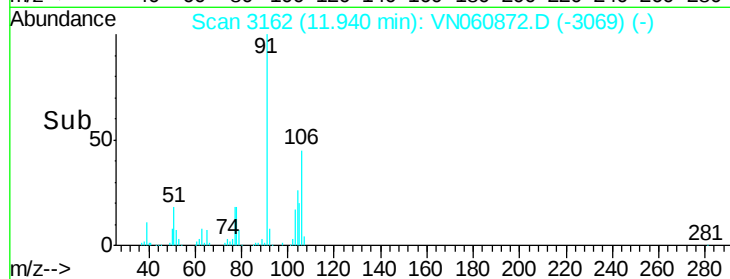
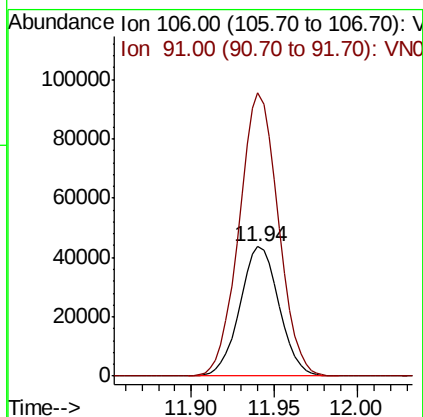
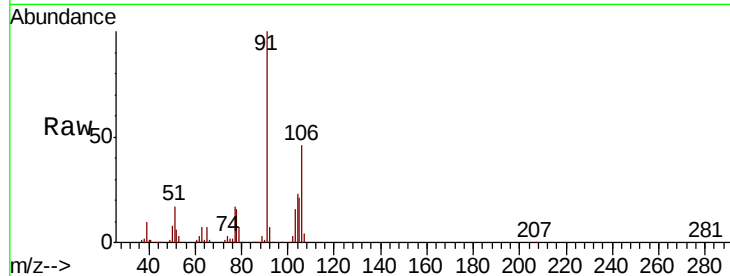




#69
o-Xylene
Concen: 19.439 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

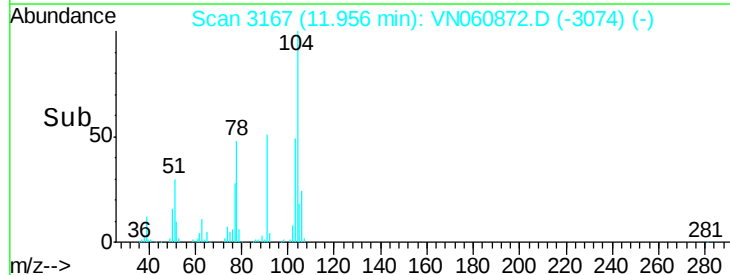
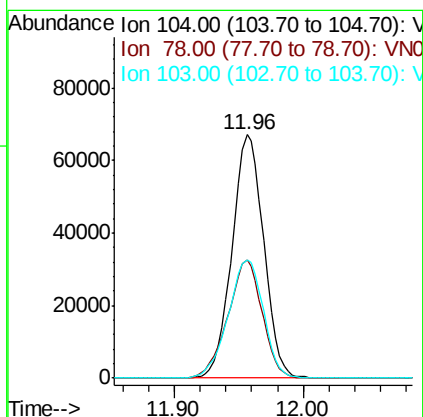
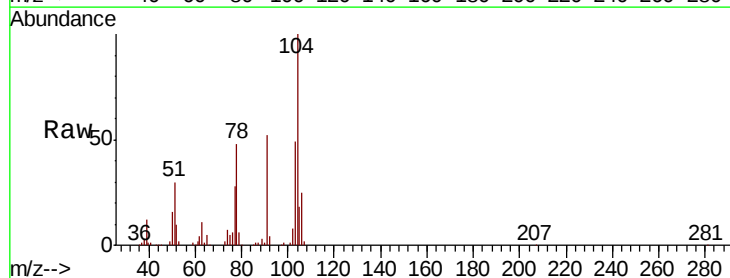
Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

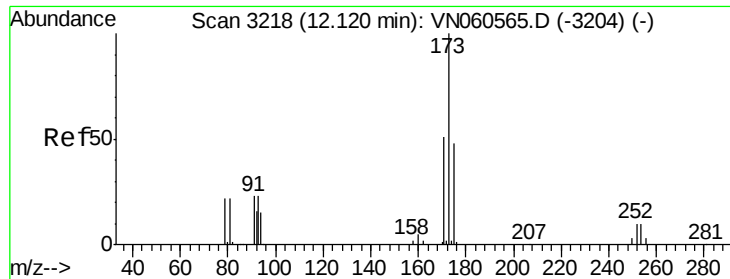
Tot Ion:106 Resp: 71852
Ion Ratio Lower Upper
106 100
91 218.7 109.5 328.4



#70
Styrene
Concen: 18.994 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:104 Resp: 114819
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 53.8 44.0 66.0

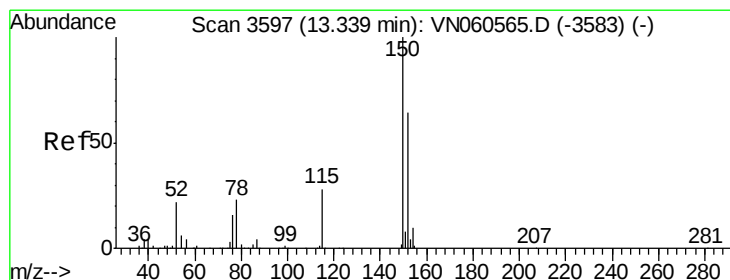
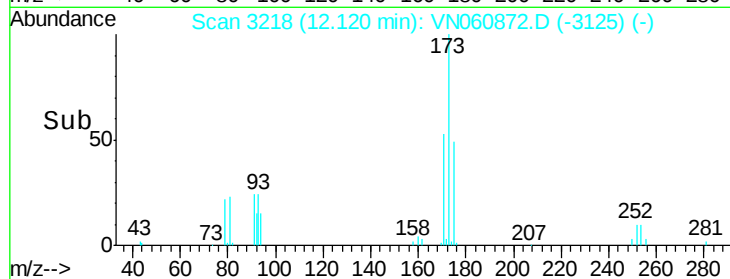
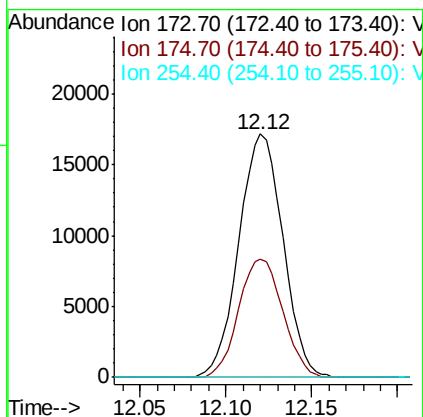
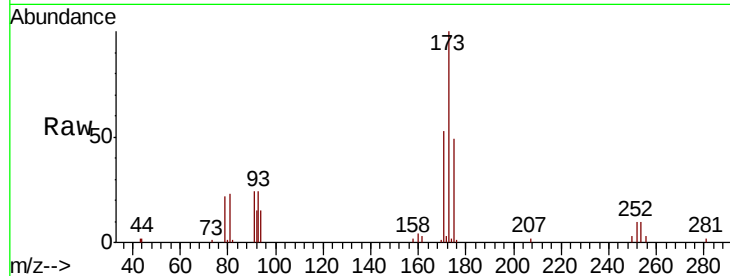




#71
Bromoform
Concen: 19.226 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

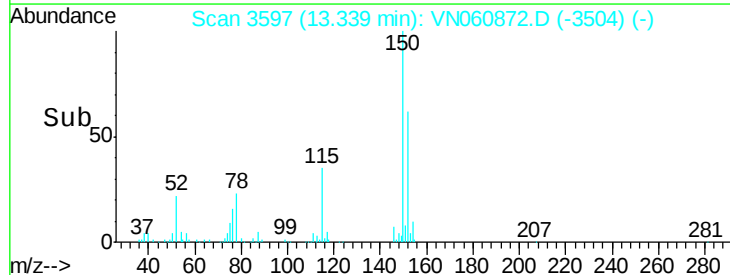
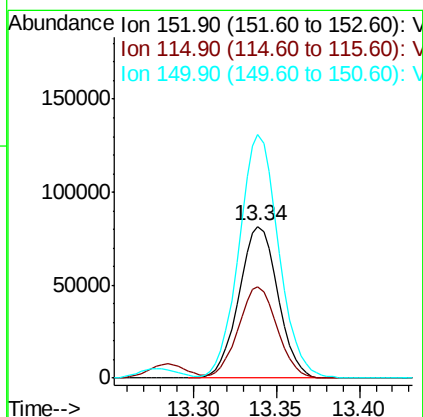
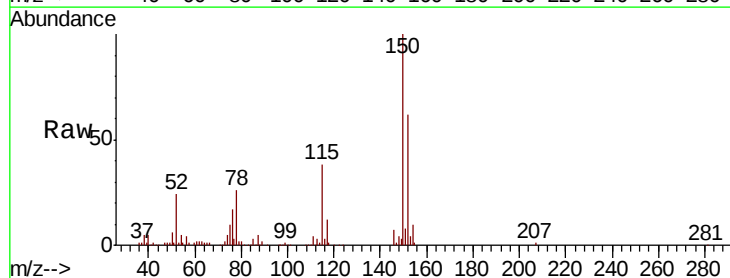
Instrument :
MSVOA_N
ClientSampleId :
VN0407MBS01

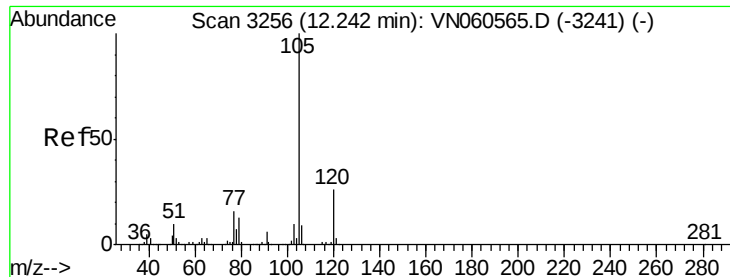
Tot Ion:173 Resp: 30612
Ion Ratio Lower Upper
173 100
175 48.5 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:152 Resp: 133639
Ion Ratio Lower Upper
152 100
115 59.9 30.2 90.6
150 162.8 0.0 350.2





#73

Isopropylbenzene

Concen: 19.214 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

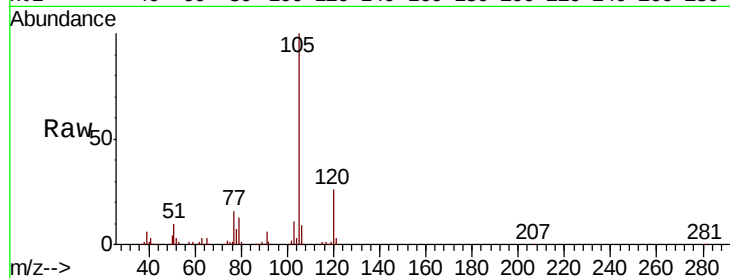
VN0407MBS01

Tot Ion:105 Resp: 192696

Ion Ratio Lower Upper

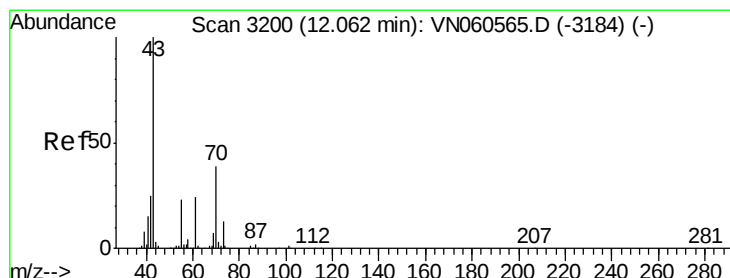
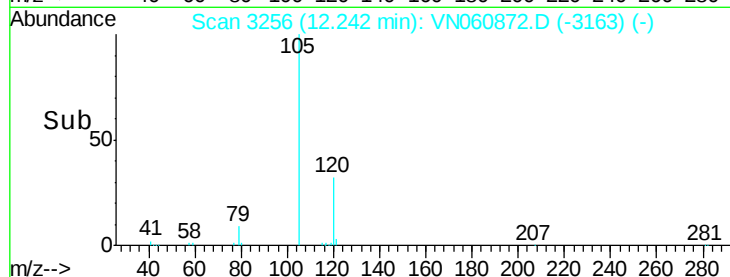
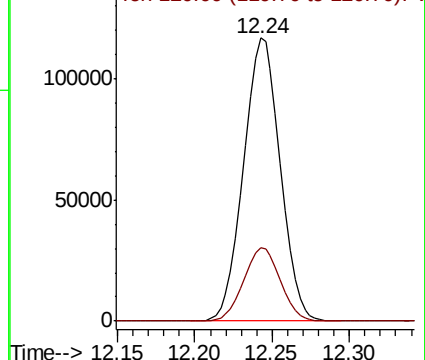
105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.249 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Tgt Ion: 43 Resp: 89206

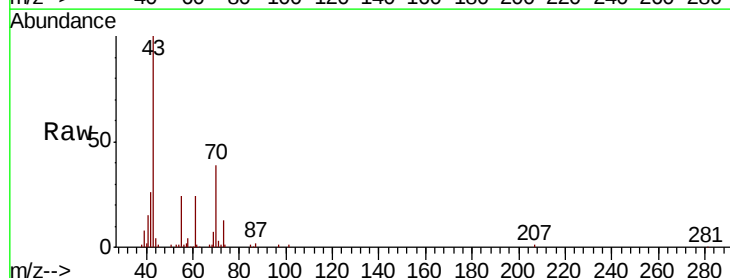
Ion Ratio Lower Upper

43 100

70 39.2 31.1 46.7

55 24.1 18.6 27.8

61 23.0 18.9 28.3

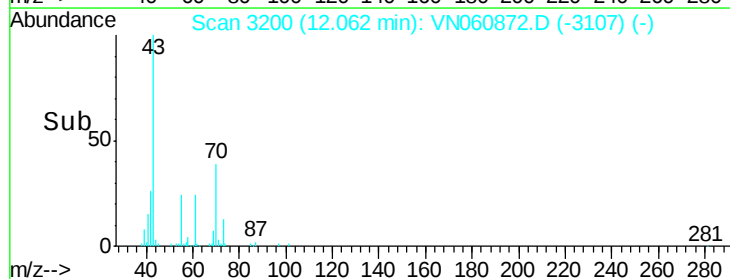
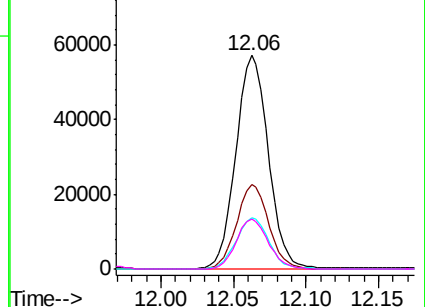


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.903 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

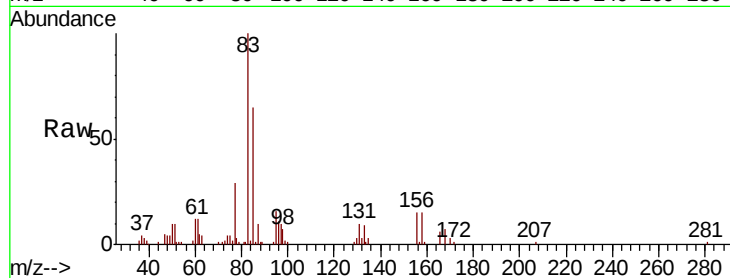
Tot Ion: 83 Resp: 60363

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

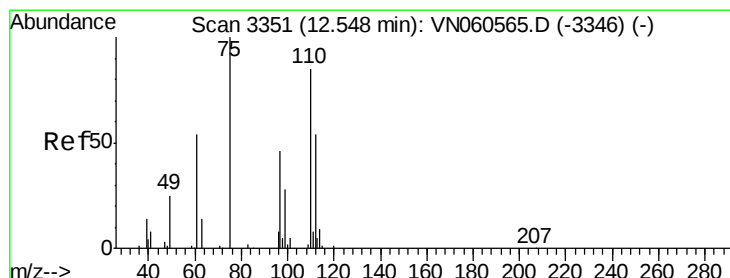
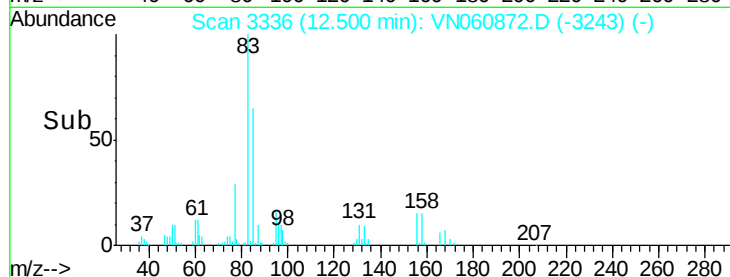
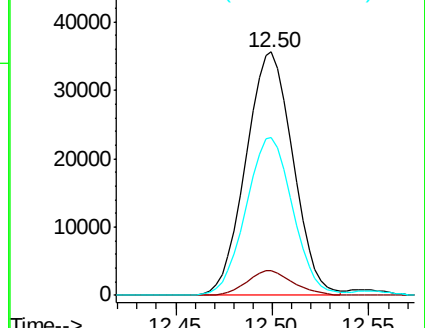
85 64.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060872.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060872.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060872.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.786 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060872.D

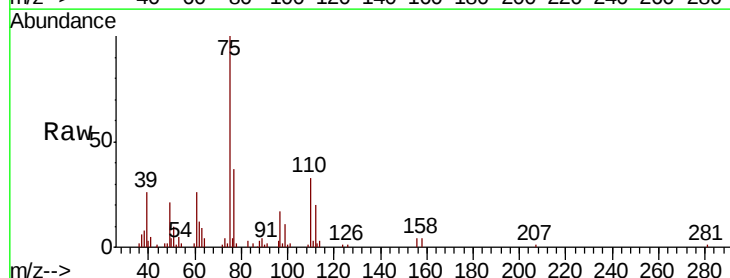
Acq: 7 Apr 2020 13:14

Tgt Ion: 75 Resp: 83010

Ion Ratio Lower Upper

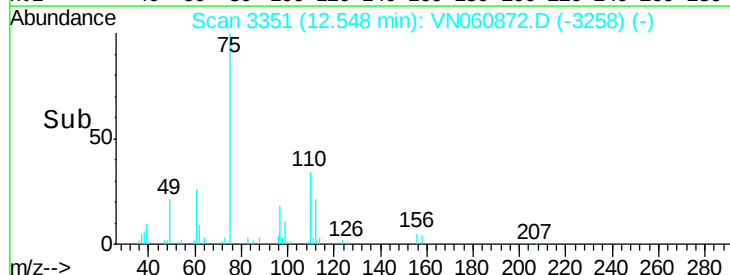
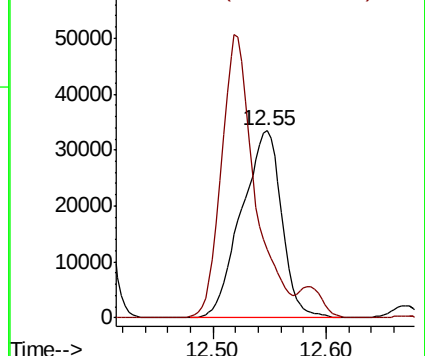
75 100

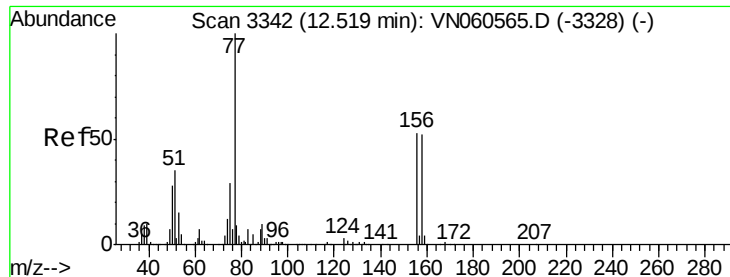
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060872.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060872.D (-3258) (-)





#77

Bromobenzene

Concen: 19.118 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

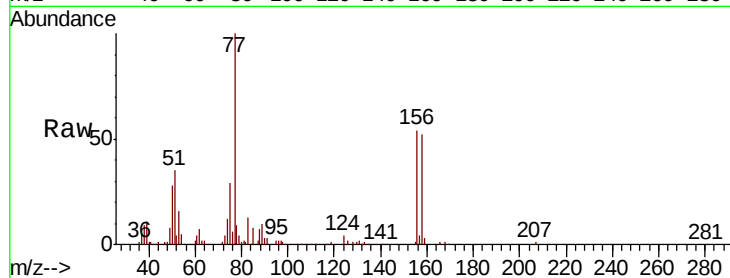
Tot Ion:156 Resp: 46201

Ion Ratio Lower Upper

156 100

77 224.1 112.3 337.0

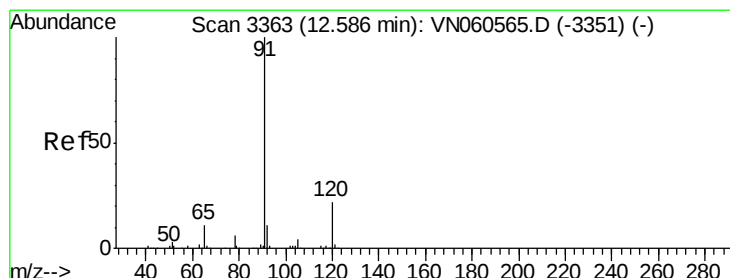
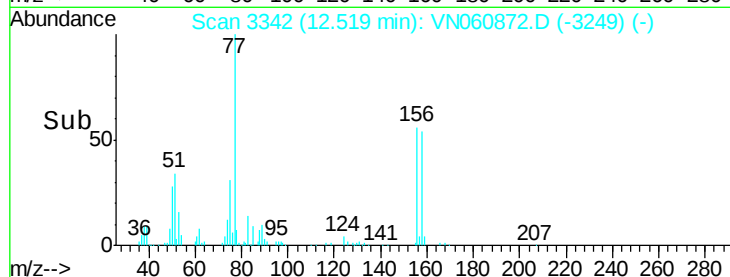
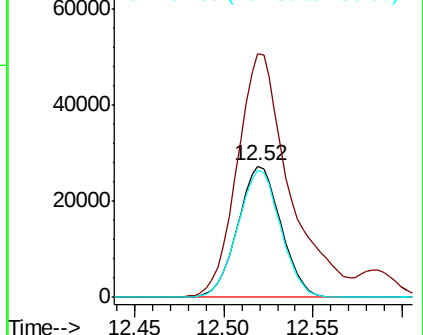
158 96.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.145 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060872.D

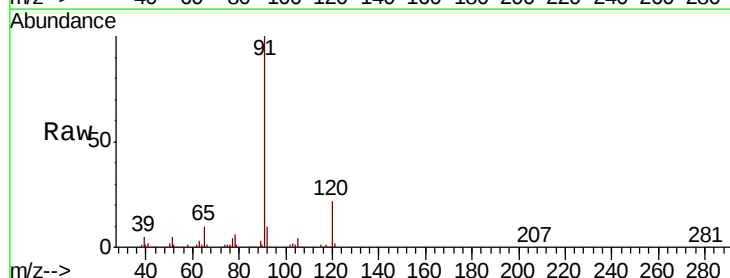
Acq: 7 Apr 2020 13:14

Tgt Ion: 91 Resp: 226848

Ion Ratio Lower Upper

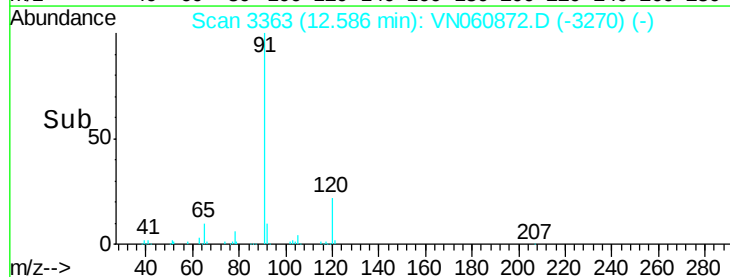
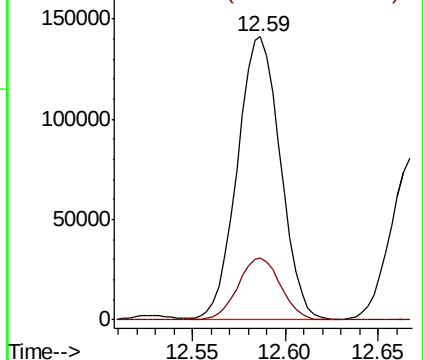
91 100

120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.081 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

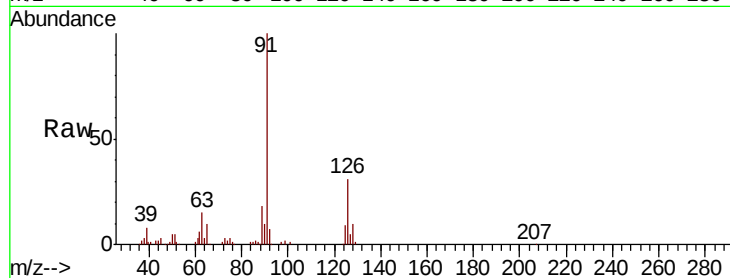
VN0407MBS01

Tot Ion: 91 Resp: 135083

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060872.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060872.D (-3296) (-)

150000

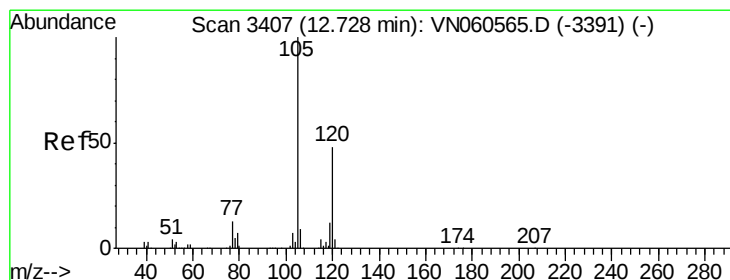
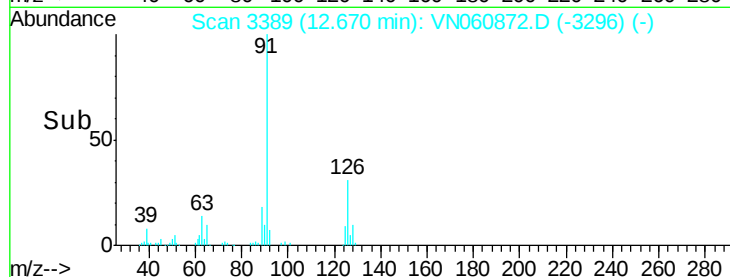
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.050 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060872.D

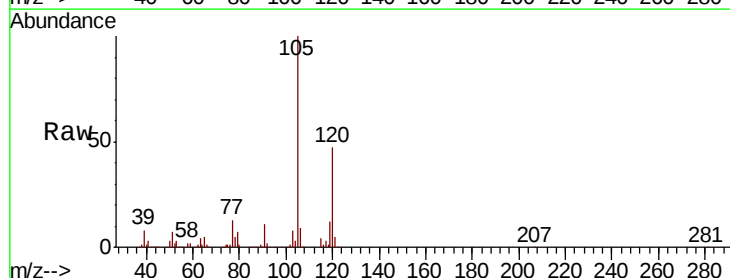
Acq: 7 Apr 2020 13:14

Tgt Ion:105 Resp: 162135

Ion Ratio Lower Upper

105 100

120 46.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060872.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060872.D (-3314) (-)

100000

80000

60000

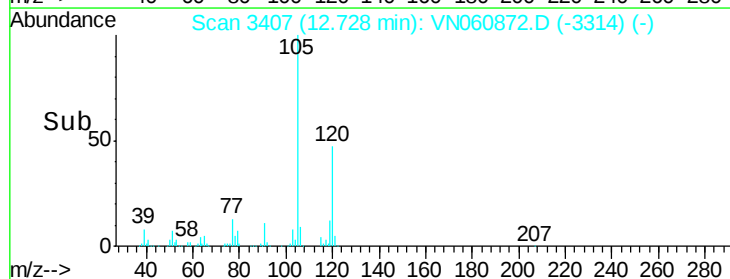
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.543 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

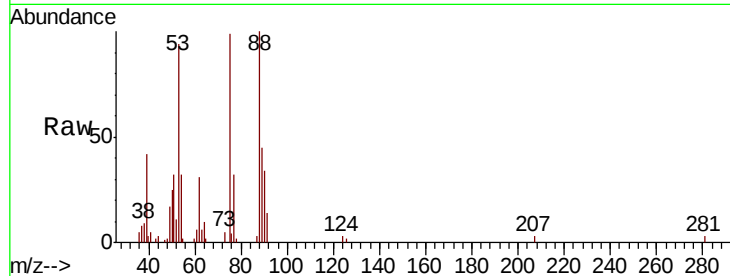
Tot Ion: 75 Resp: 20820

Ion Ratio Lower Upper

75 100

53 94.3 73.0 109.4

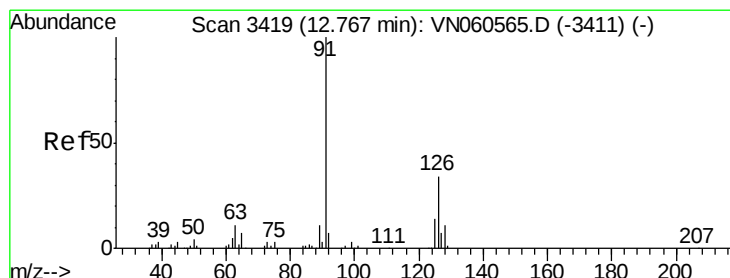
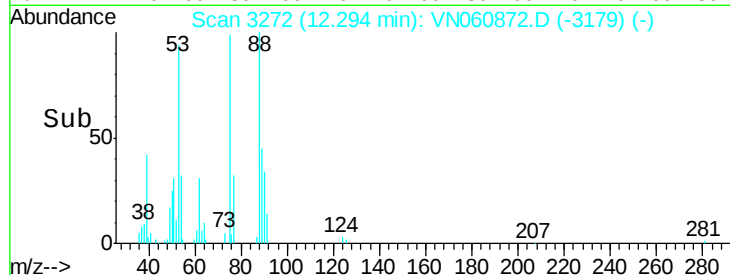
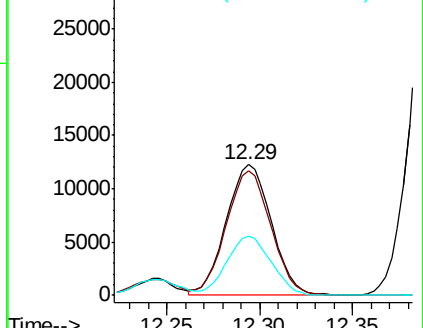
89 44.6 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060872.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060872.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060872.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 19.472 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060872.D

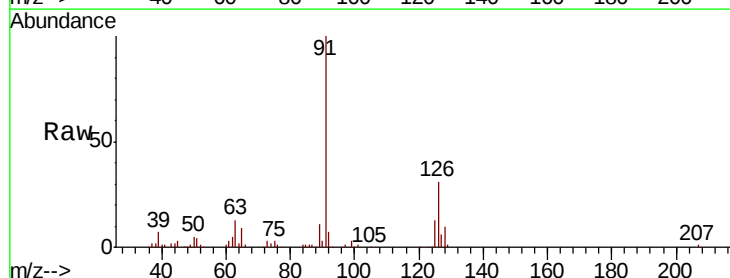
Acq: 7 Apr 2020 13:14

Tgt Ion: 91 Resp: 140401

Ion Ratio Lower Upper

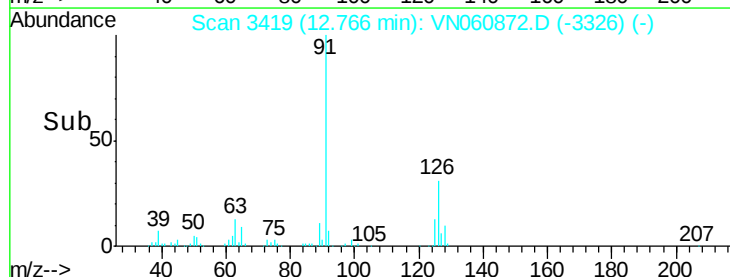
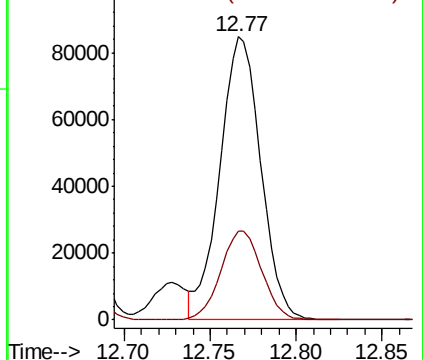
91 100

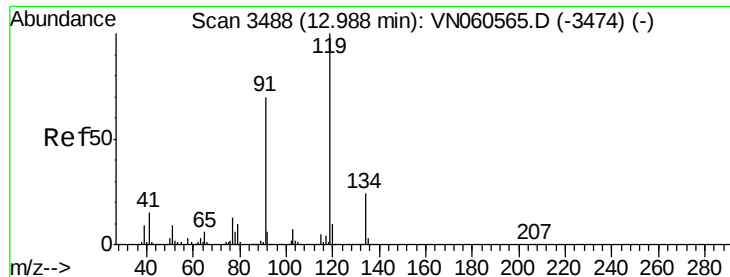
126 31.4 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060872.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060872.D (-3326) (-)





#83

tert-Butylbenzene

Concen: 19.384 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0407MBS01

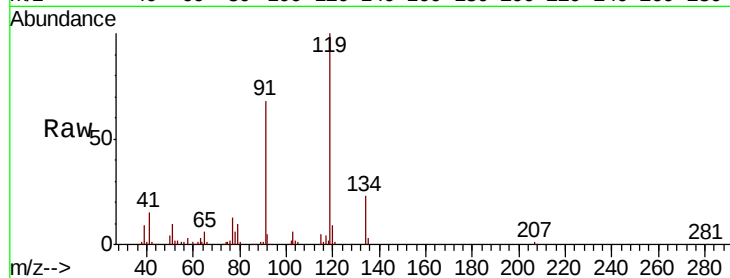
Tot Ion:119 Resp: 136758

Ion Ratio Lower Upper

119 100

91 67.4 34.0 101.8

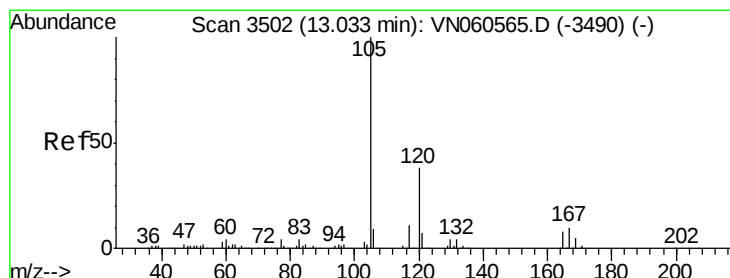
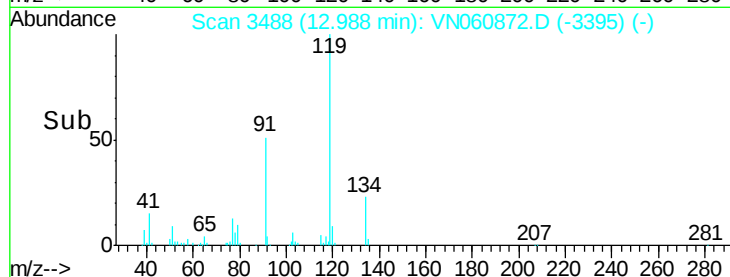
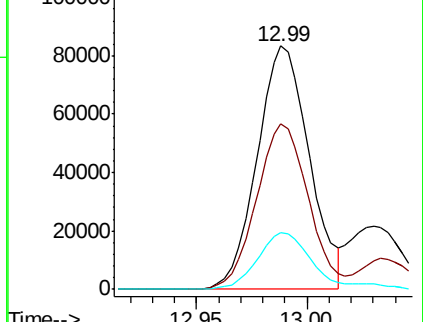
134 25.0 12.7 38.0



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: 19.148 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060872.D

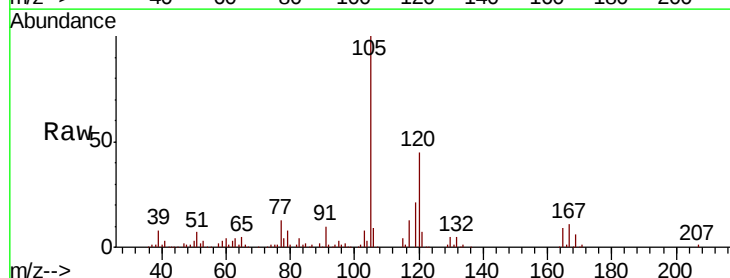
Acq: 7 Apr 2020 13:14

Tgt Ion:105 Resp: 161223

Ion Ratio Lower Upper

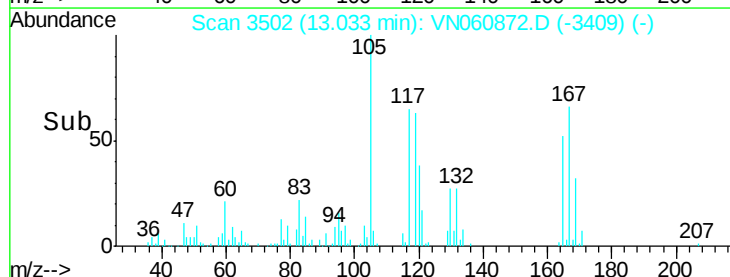
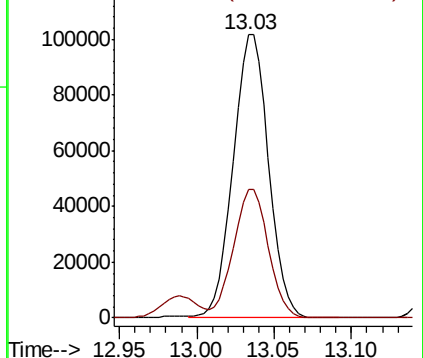
105 100

120 44.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

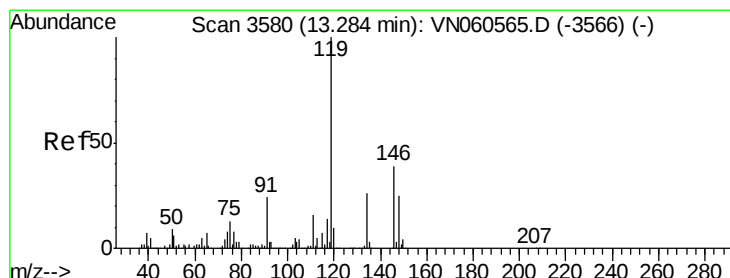
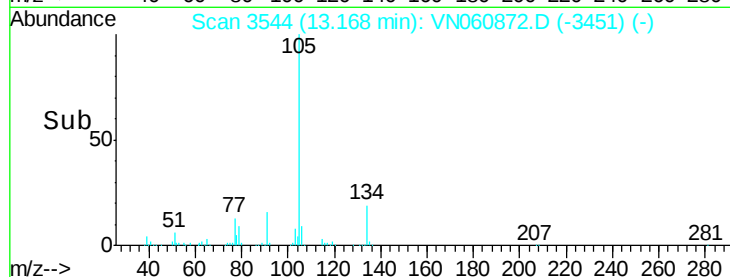
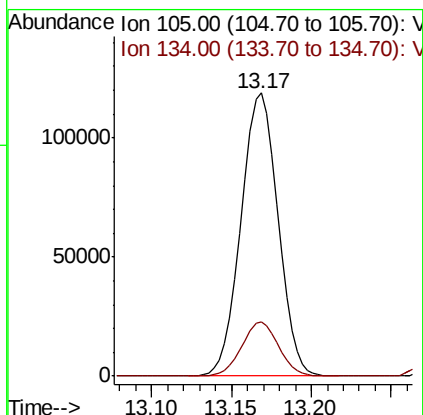
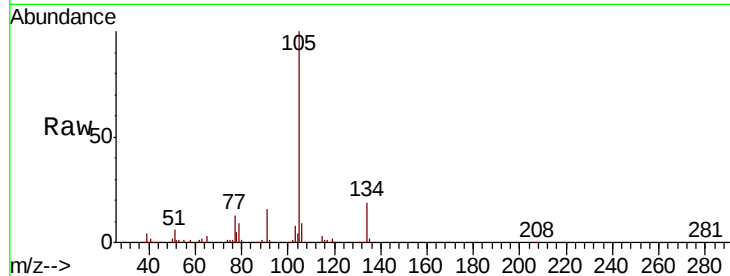




#85
 sec-Butylbenzene
 Concen: 19.737 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

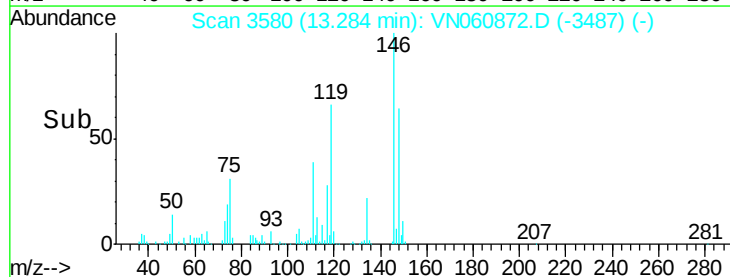
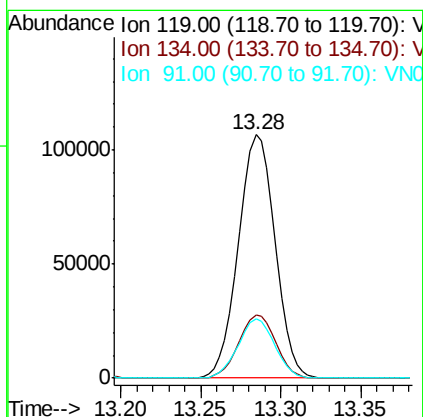
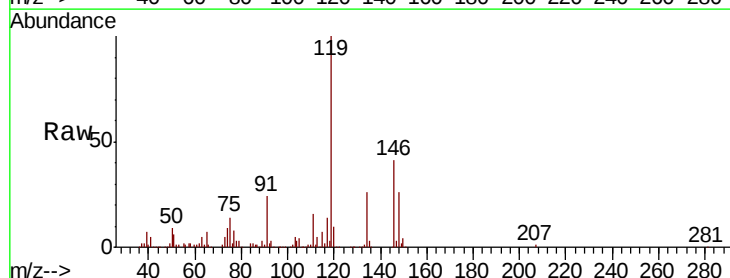
Instrument :
 MSVOA_N
 ClientSampled :
 VN0407MBS01

Tot Ion:105 Resp: 187252
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 19.483 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion:119 Resp: 166215
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 24.4 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.344 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0407MBS01

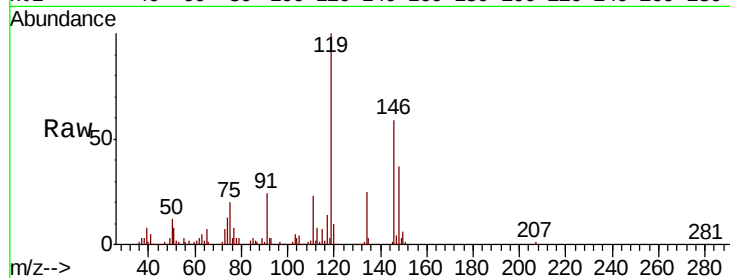
Tot Ion:146 Resp: 82451

Ion Ratio Lower Upper

146 100

111 40.3 20.3 60.8

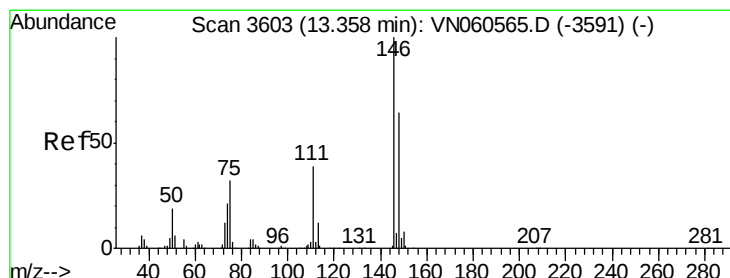
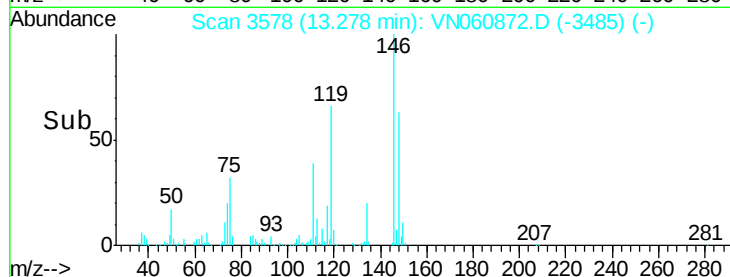
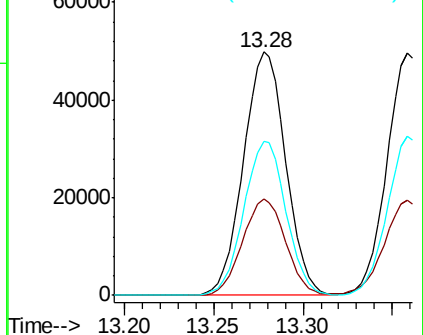
148 62.9 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.054 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060872.D

Acq: 7 Apr 2020 13:14

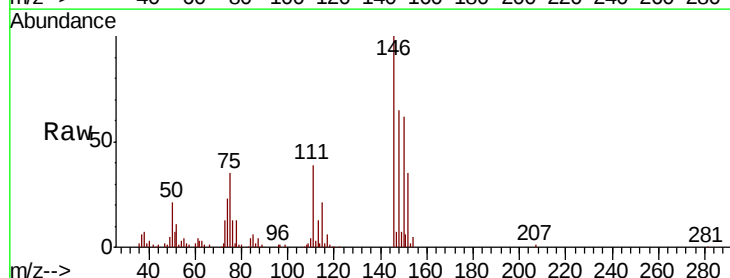
Tgt Ion:146 Resp: 81593

Ion Ratio Lower Upper

146 100

111 41.3 19.6 58.7

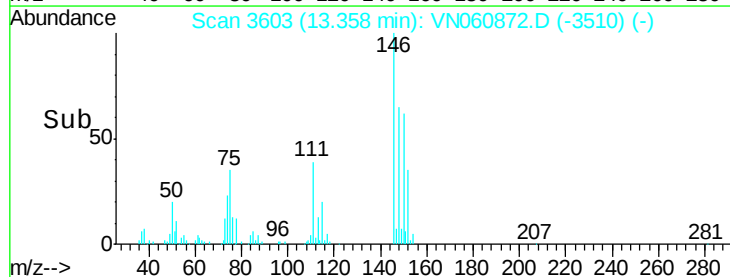
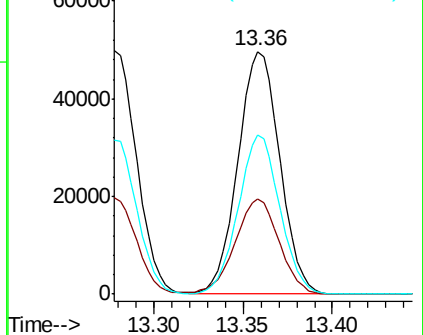
148 65.1 32.1 96.3

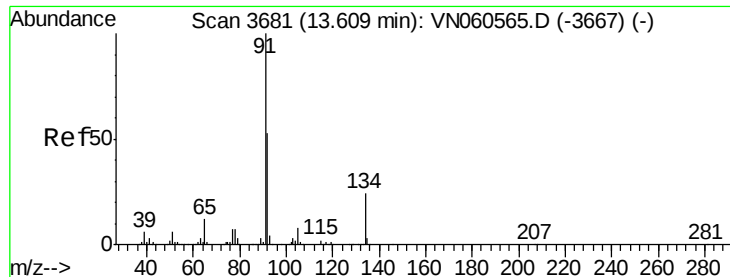


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

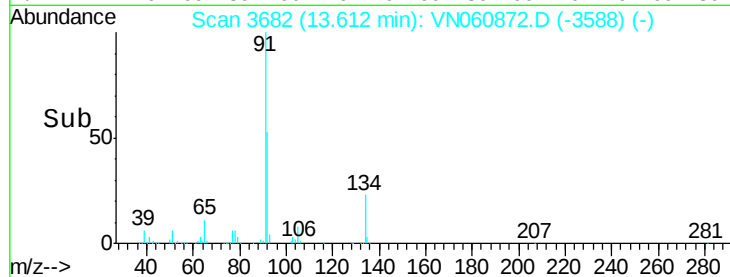
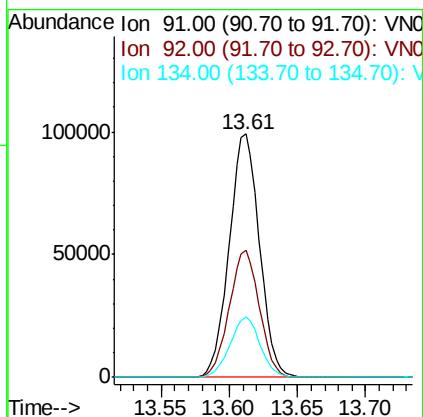
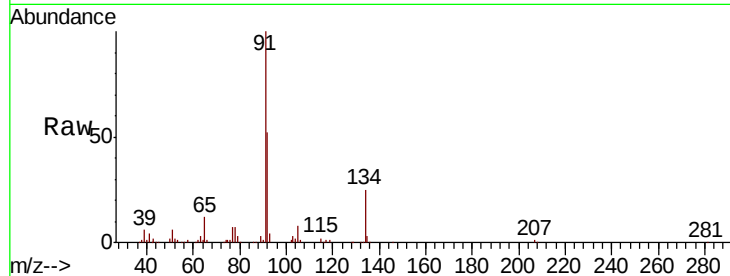




#89
n-Butylbenzene
Concen: 19.785 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

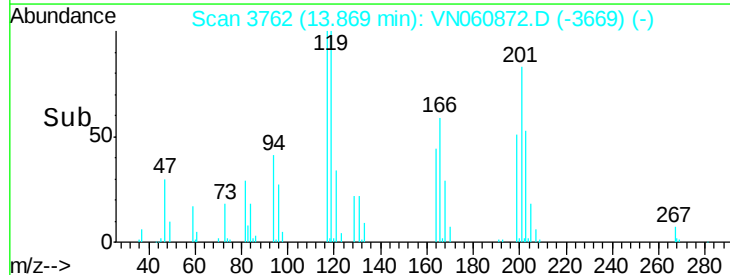
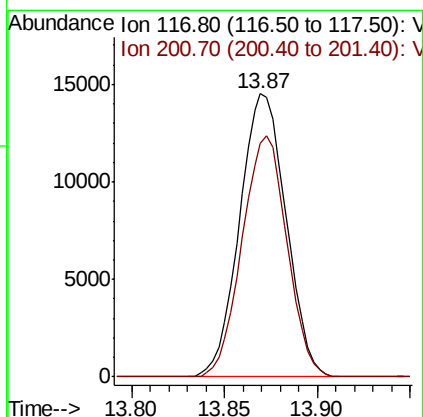
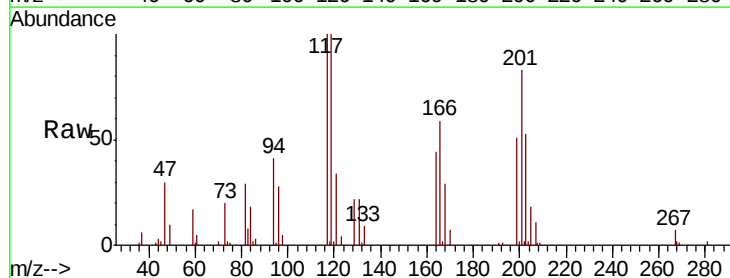
Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion: 91 Resp: 152395
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 24.6 12.3 36.9



#90
Hexachloroethane
Concen: 20.393 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion: 117 Resp: 25289
Ion Ratio Lower Upper
117 100
201 82.0 40.8 122.5

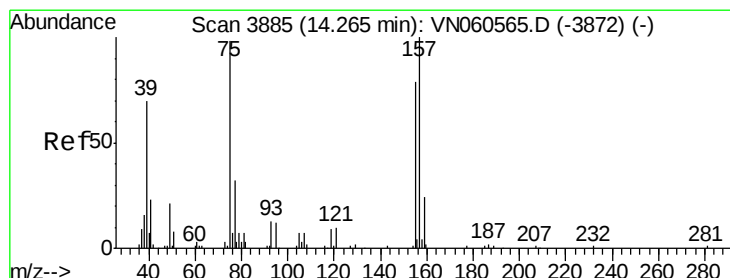
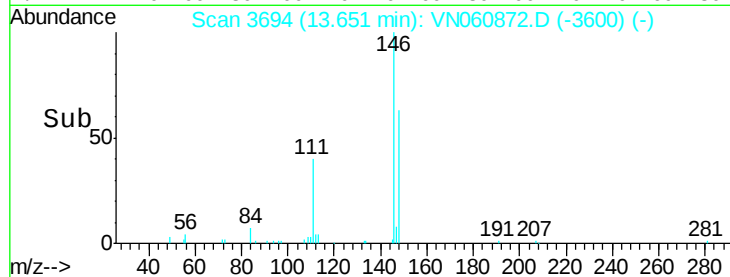
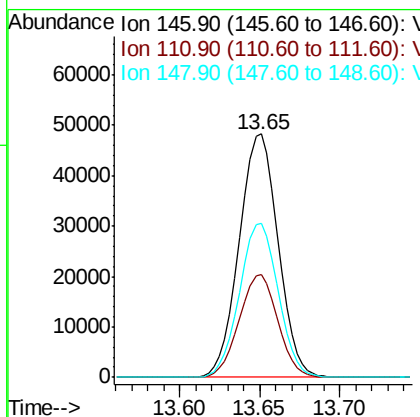
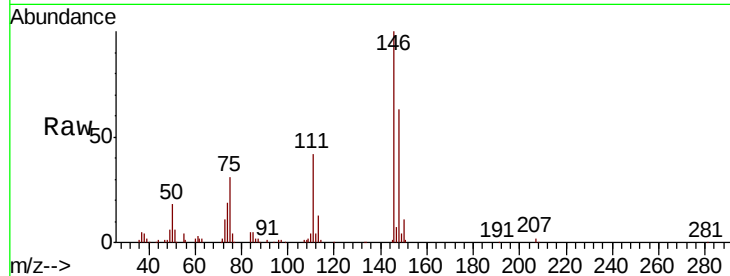




#91
 1,2-Dichlorobenzene
 Concen: 19.637 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

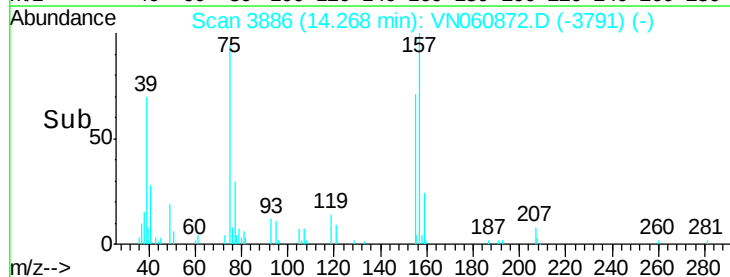
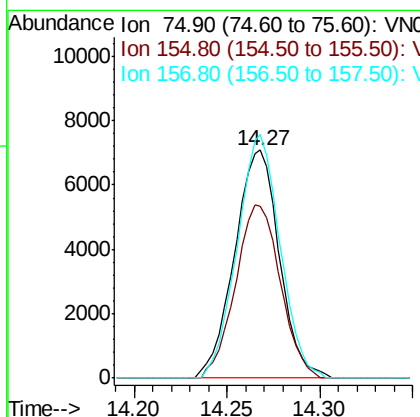
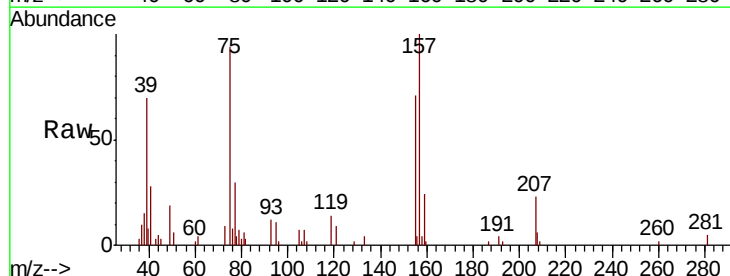
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

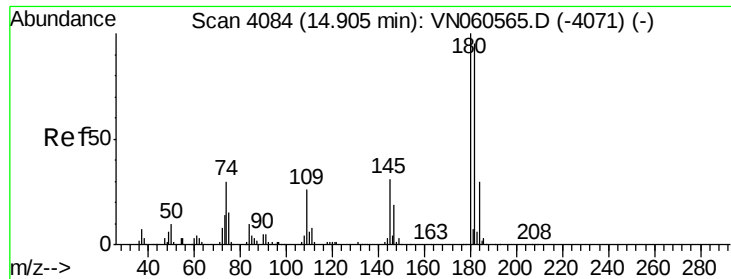
Tot Ion:146 Resp: 80032
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 63.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.582 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion: 75 Resp: 11911
 Ion Ratio Lower Upper
 75 100
 155 76.0 40.7 122.1
 157 102.2 51.5 154.7

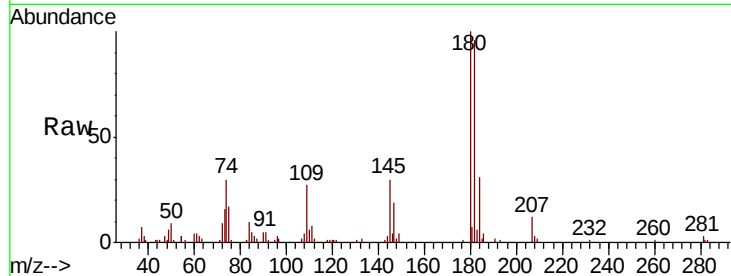




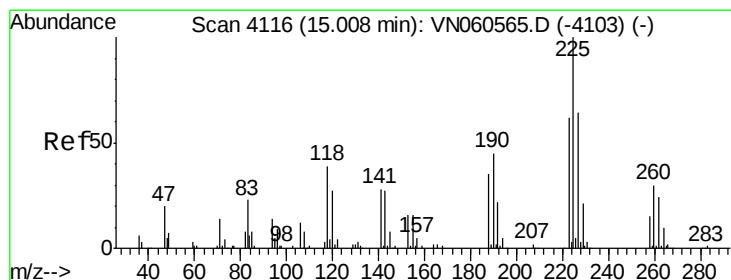
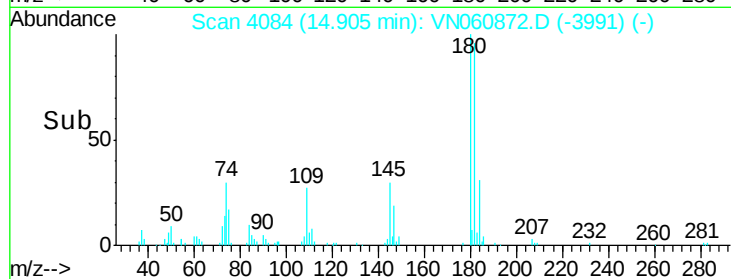
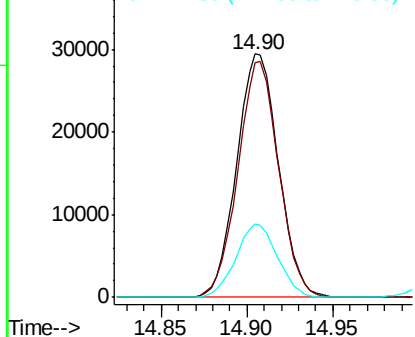
#93
 1,2,4-Trichlorobenzene
 Concen: 19.751 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407MBS01

Tot Ion:180 Resp: 49433
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.8
 145 29.9 15.4 46.2

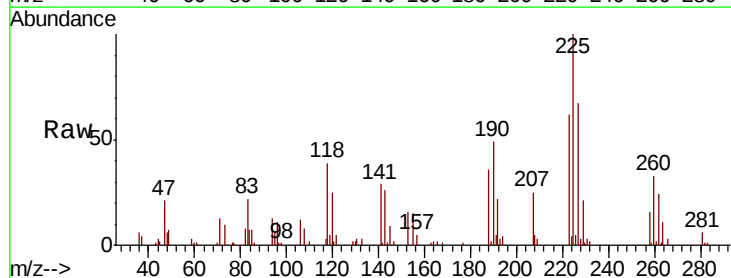


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

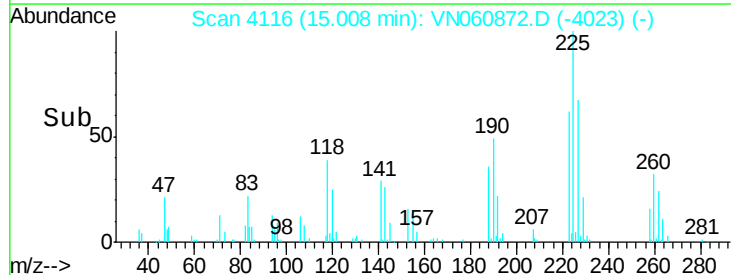
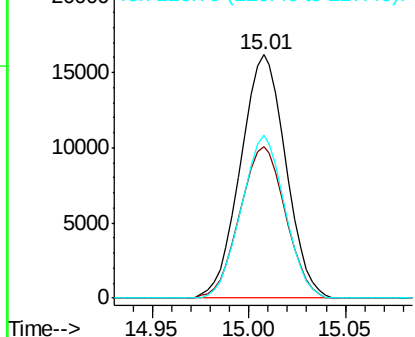


#94
 Hexachlorobutadiene
 Concen: 21.490 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060872.D
 Acq: 7 Apr 2020 13:14

Tgt Ion:225 Resp: 26366
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 95.0
 227 64.3 32.3 96.8



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

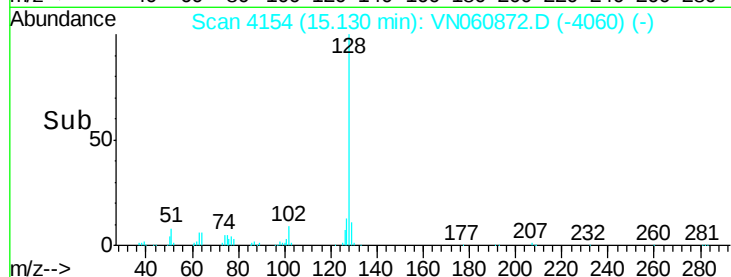
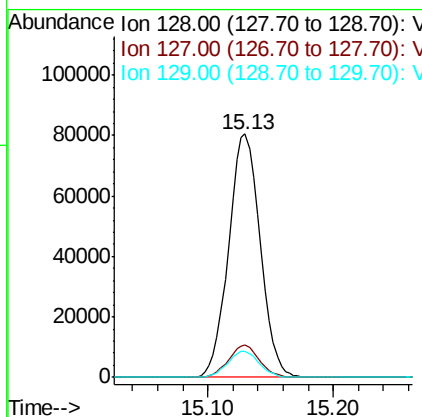
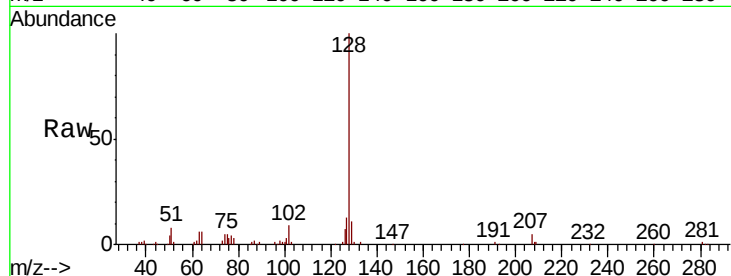




#95
Naphthalene
Concen: 18.679 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0407MBS01

Tot Ion:128 Resp: 140614
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.556 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060872.D
Acq: 7 Apr 2020 13:14

Tgt Ion:180 Resp: 48208
Ion Ratio Lower Upper
180 100
182 96.1 47.5 142.6
145 32.7 16.3 48.8

