

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054573.D
 Acq On : 22 Mar 2019 23:07
 Operator : JC/SP
 Sample : VN0322MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Quant Time: Mar 23 02:36:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	696152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297395	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	
35) Dibromofluoromethane	7.59	113	229879	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	841161	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	271022	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84452	21.858	ug/l	100
3) Chloromethane	2.06	50	115929	22.053	ug/l	99
4) Vinyl Chloride	2.19	62	109160	20.682	ug/l	98
5) Bromomethane	2.58	94	64613	18.932	ug/l	98
6) Chloroethane	2.71	64	61976	19.577	ug/l	99
7) Trichlorofluoromethane	3.02	101	136138	21.240	ug/l	96
8) Diethyl Ether	3.41	74	49232	19.972	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68486	18.181	ug/l	93
10) Methyl Iodide	3.95	142	98788	17.828	ug/l #	90
11) Tert butyl alcohol	4.82	59	35830	117.724	ug/l	98
12) 1,1-Dichloroethene	3.73	96	72122	18.501	ug/l #	74
13) Acrolein	3.61	56	39966	95.154	ug/l	93
14) Allyl chloride	4.32	41	158192	21.550	ug/l #	91
15) Acrylonitrile	5.00	53	179678	118.548	ug/l	98
16) Acetone	3.82	43	133505	88.331	ug/l #	83
17) Carbon Disulfide	4.04	76	192490	18.429	ug/l	100
18) Methyl Acetate	4.34	43	82116	24.376	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	259275	22.789	ug/l	95
20) Methylene Chloride	4.55	84	97070	21.787	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	88591	22.256	ug/l	86
22) Diisopropyl ether	5.96	45	342074	23.625	ug/l #	95
23) Vinyl Acetate	5.90	43	1195333	116.887	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	180470	23.148	ug/l	97
25) 2-Butanone	6.85	43	225412	116.425	ug/l	89
26) 2,2-Dichloropropane	6.82	77	100536	18.090	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	104909	22.096	ug/l	91
28) Bromochloromethane	7.19	49	94303	24.574	ug/l #	72
29) Tetrahydrofuran	7.22	42	158084	125.821	ug/l #	83
30) Chloroform	7.37	83	175970	23.128	ug/l	100
31) Cyclohexane	7.65	56	168122	21.444	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	141763	22.584	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126806	19.481	ug/l	97
37) Ethyl Acetate	6.94	43	102801	22.206	ug/l	96
38) Carbon Tetrachloride	7.77	117	121513	19.210	ug/l	95

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 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	132773	17.832	ug/l #	87
40) Benzene	8.04	78	381438	20.493	ug/l	99
41) Methacrylonitrile	7.18	41	37833	13.400	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	141648	20.897	ug/l	97
43) Isopropyl Acetate	8.17	43	171111	21.885	ug/l #	93
44) Trichloroethene	8.83	130	98484	19.031	ug/l	94
45) 1,2-Dichloropropane	9.12	63	109449	21.899	ug/l	98
46) Dibromomethane	9.21	93	63088	21.159	ug/l	89
47) Bromodichloromethane	9.40	83	126479	20.439	ug/l	98
48) Methyl methacrylate	9.20	41	86159	20.303	ug/l	88
49) 1,4-Dioxane	9.20	88	20310	428.110	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	482208	111.286	ug/l	93
52) Toluene	10.16	92	225951	19.737	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109121	18.202	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	138441	19.512	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	84793	20.605	ug/l	96
56) Ethyl methacrylate	10.43	69	109639	19.850	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	150023	20.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	212160	93.283	ug/l	89
59) 2-Hexanone	10.75	43	293102	103.558	ug/l	91
60) Dibromochloromethane	10.90	129	87342	19.946	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81851	20.119	ug/l	99
64) Tetrachloroethene	10.63	164	95730	19.466	ug/l	96
65) Chlorobenzene	11.43	112	233005	19.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86843	20.064	ug/l	96
67) Ethyl Benzene	11.51	91	420166	19.725	ug/l	99
68) m/p-Xylenes	11.62	106	310595	38.496	ug/l	96
69) o-Xylene	11.95	106	153055	19.425	ug/l	99
70) Styrene	11.96	104	249396	19.491	ug/l	97
71) Bromoform	12.13	173	50014	18.237	ug/l #	100
73) Isopropylbenzene	12.25	105	399596	20.704	ug/l	98
74) N-amyl acetate	12.07	43	124858	22.499	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	102931	23.362	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	118151	31.086	ug/l #	100
77) Bromobenzene	12.53	156	98061	20.486	ug/l	85
78) n-propylbenzene	12.59	91	433573	20.717	ug/l	96
79) 2-Chlorotoluene	12.67	91	266354	20.409	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	329424	20.825	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16516	17.202	ug/l #	74
82) 4-Chlorotoluene	12.77	91	257770	20.376	ug/l	95
83) tert-Butylbenzene	12.99	119	284040	20.629	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	316892	20.416	ug/l	99
85) sec-Butylbenzene	13.17	105	346254	20.173	ug/l	97
86) p-Isopropyltoluene	13.29	119	304234	19.812	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	156736	19.759	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	150853	19.546	ug/l	95
89) n-Butylbenzene	13.62	91	224888	18.729	ug/l	97
90) Hexachloroethane	13.87	117	47320	19.852	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	161150	20.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14529	22.483	ug/l	80

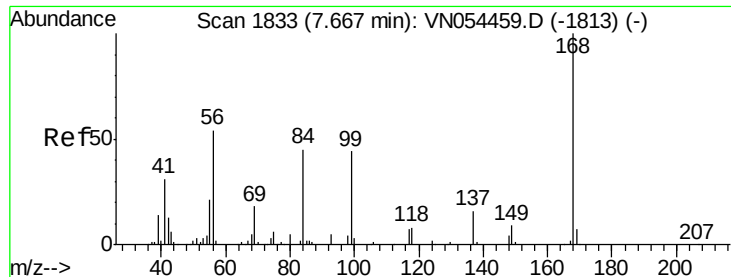
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032219\
Data File : VN054573.D
Acq On : 22 Mar 2019 23:07
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Quant Time: Mar 23 02:36:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69057	18.030	ug/l	99
94) Hexachlorobutadiene	15.01	225	44535	19.166	ug/l	99
95) Naphthalene	15.13	128	163638	19.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71548	18.769	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

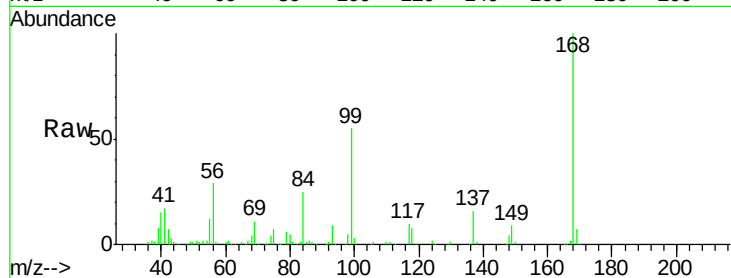
VN0322MBS02

Tot Ion:168 Resp: 404164

Ion Ratio Lower Upper

168 100

99 53.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

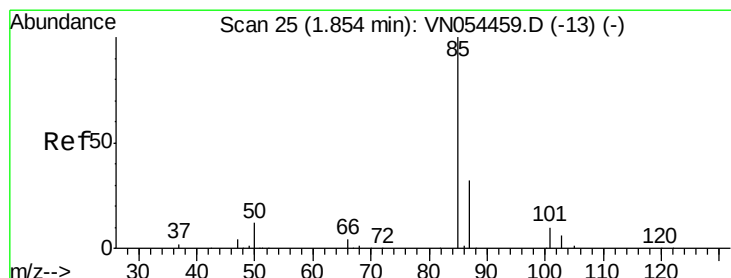
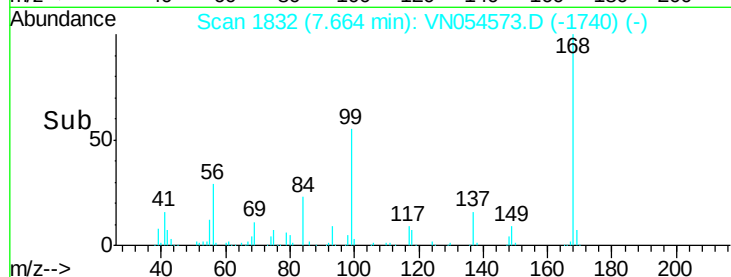
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.858 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054573.D

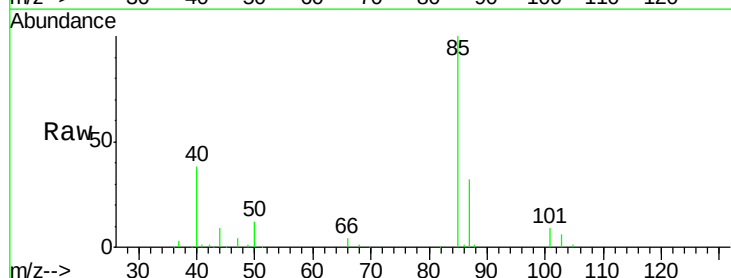
Acq: 22 Mar 2019 23:07

Tgt Ion: 85 Resp: 84452

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

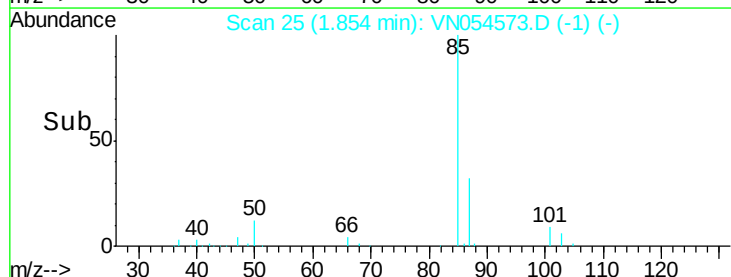
40000

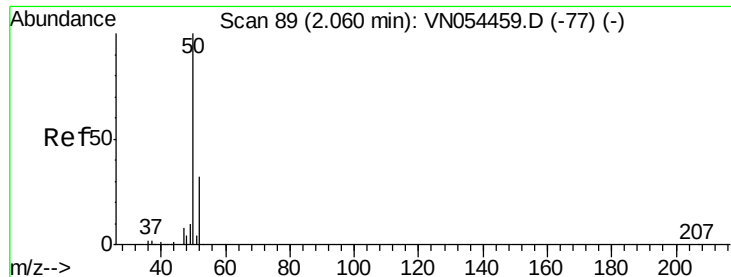
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 22.053 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

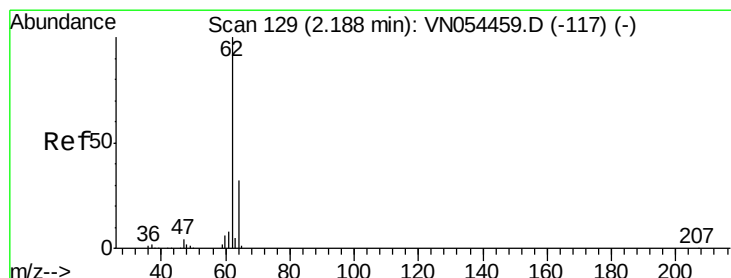
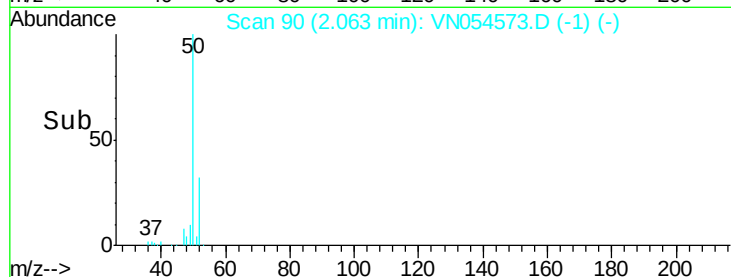
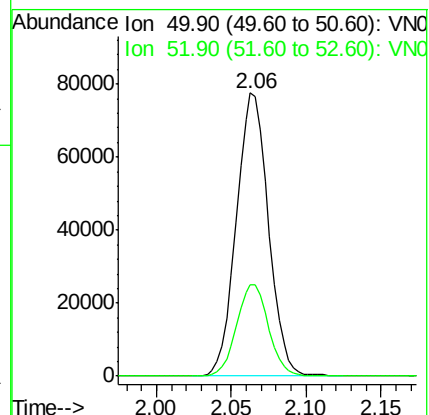
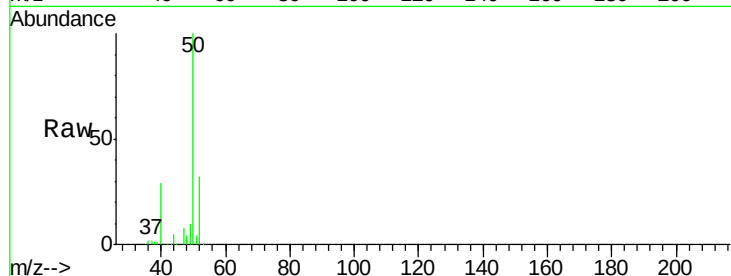
VN0322MBS02

Tot Ion: 50 Resp: 115929

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 20.682 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054573.D

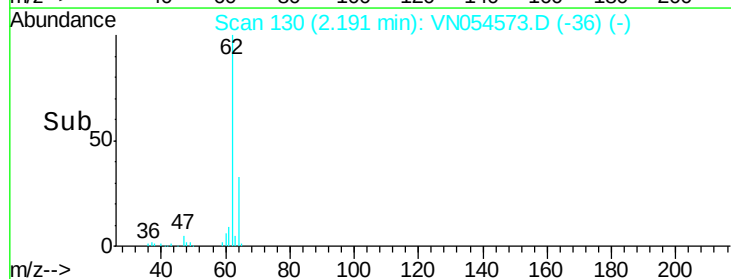
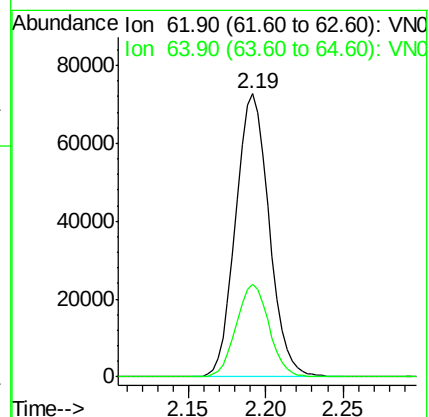
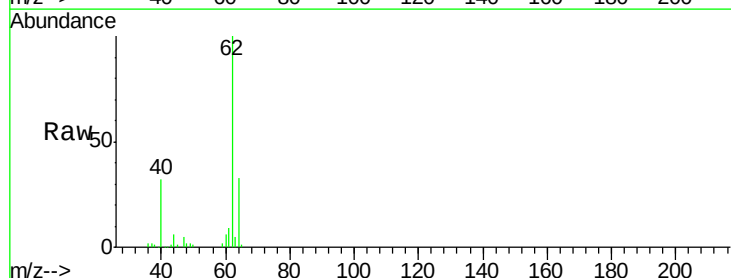
Acq: 22 Mar 2019 23:07

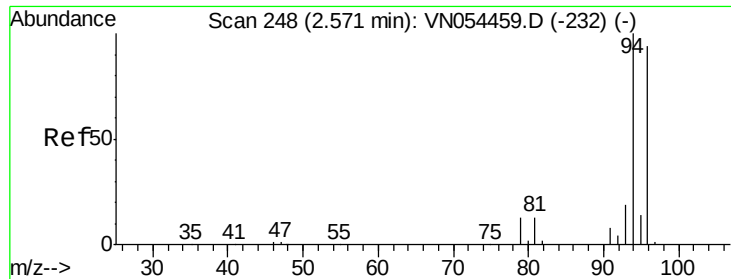
Tgt Ion: 62 Resp: 109160

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 18.932 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

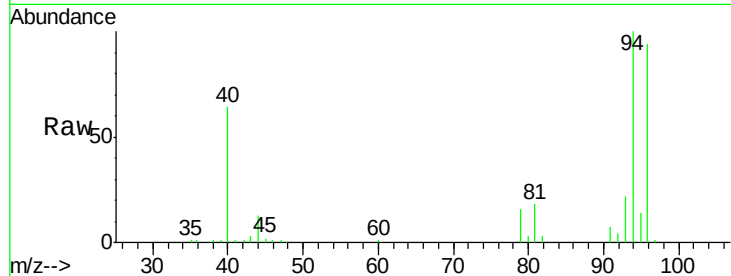
VN0322MBS02

Tot Ion: 94 Resp: 64613

Ion Ratio Lower Upper

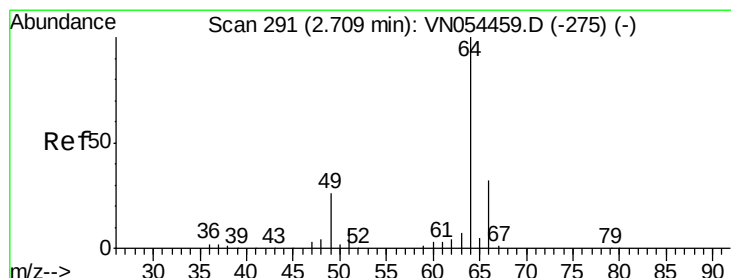
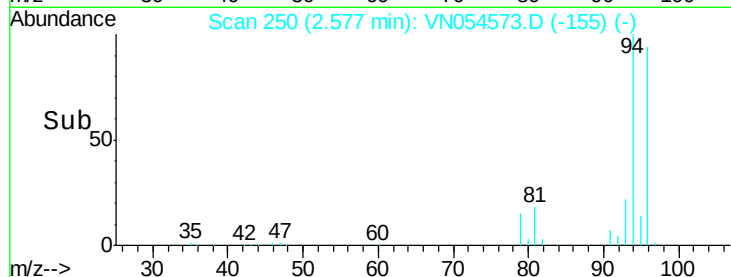
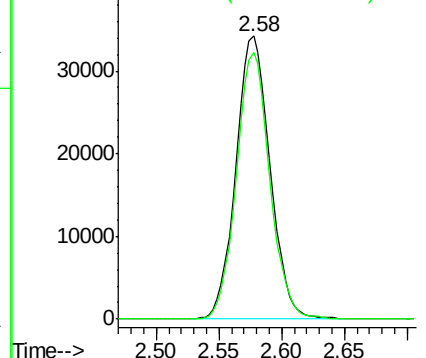
94 100

96 94.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.577 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054573.D

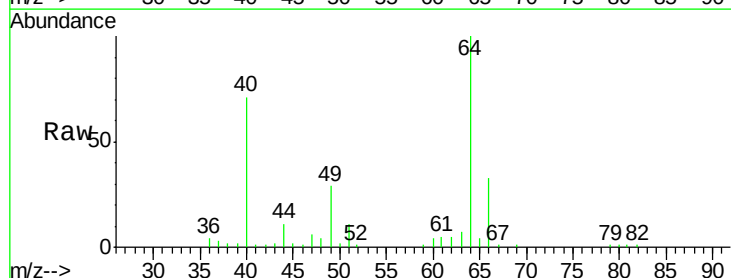
Acq: 22 Mar 2019 23:07

Tgt Ion: 64 Resp: 61976

Ion Ratio Lower Upper

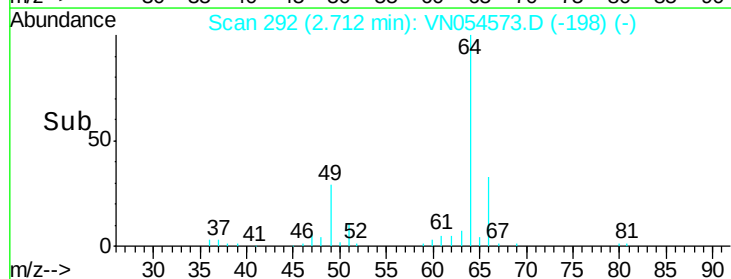
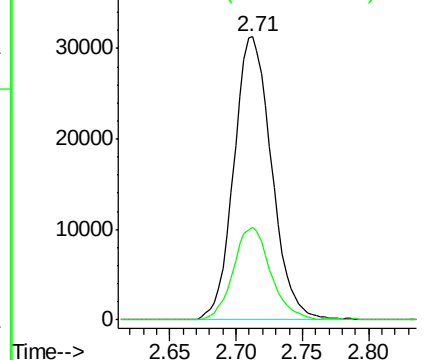
64 100

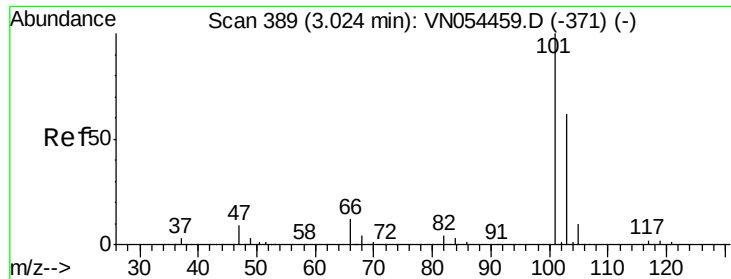
66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



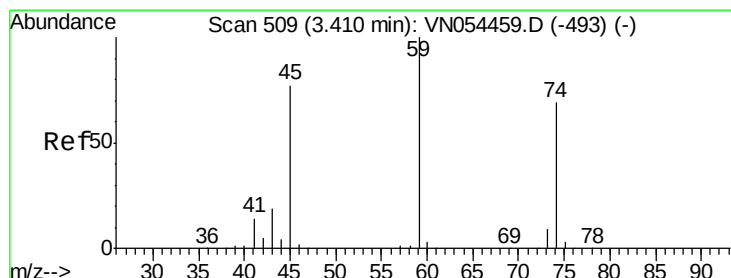
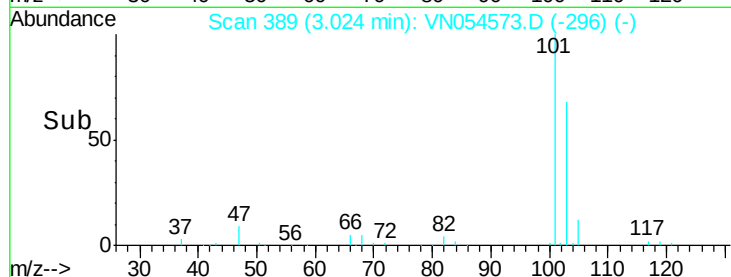
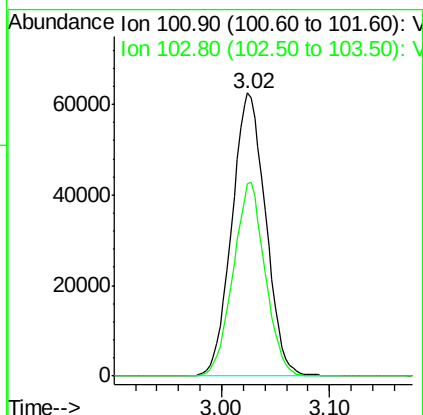
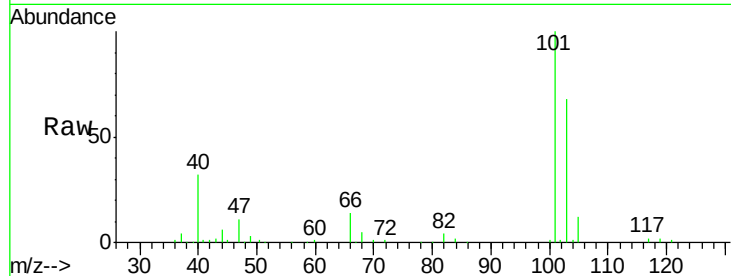


#7

Trichlorofluoromethane
Concen: 21.240 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

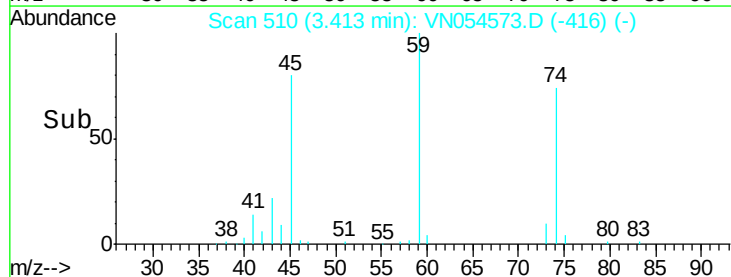
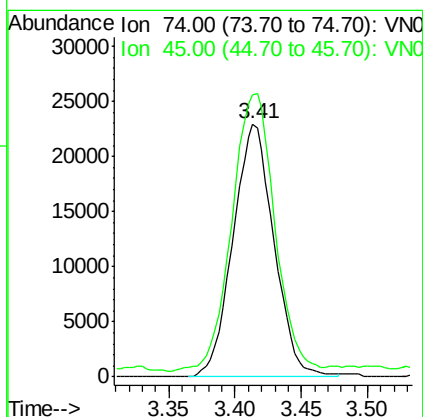
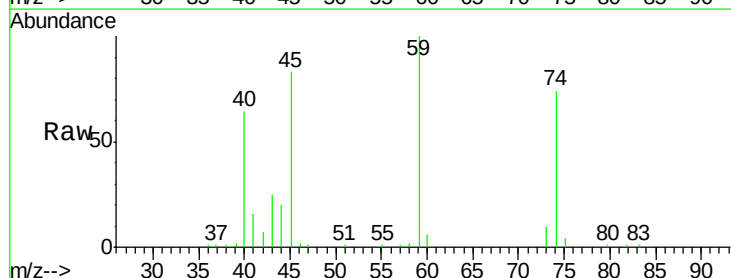
Tot Ion:101 Resp: 136138
Ion Ratio Lower Upper
101 100
103 67.8 51.4 77.2

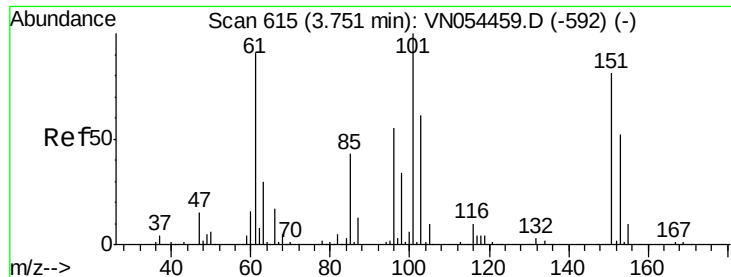


#8

Diethyl Ether
Concen: 19.972 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 74 Resp: 49232
Ion Ratio Lower Upper
74 100
45 115.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.181 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

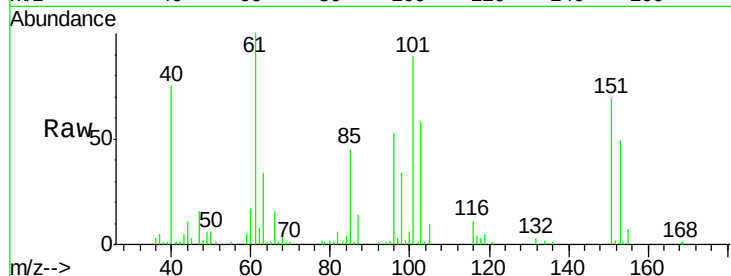
Tot Ion:101 Resp: 68486

Ion Ratio Lower Upper

101 100

85 47.7 32.4 48.6

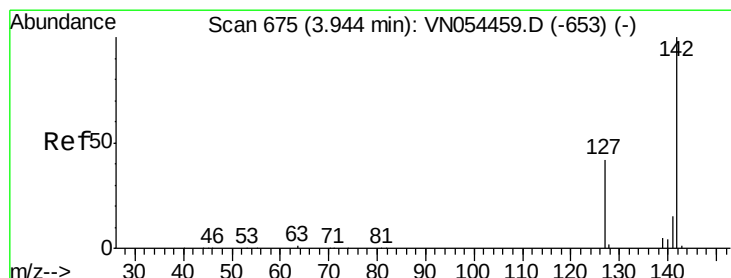
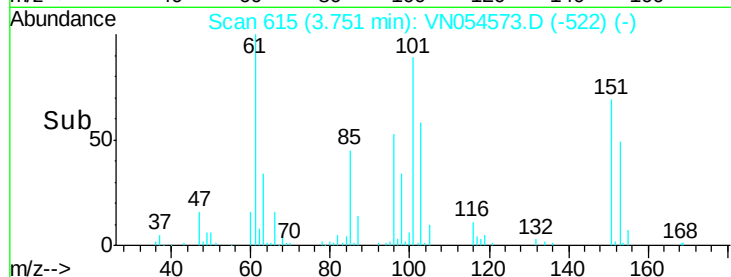
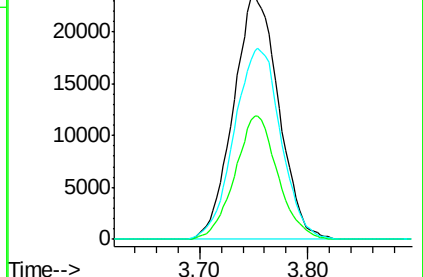
151 80.5 68.2 102.2



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: 17.828 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

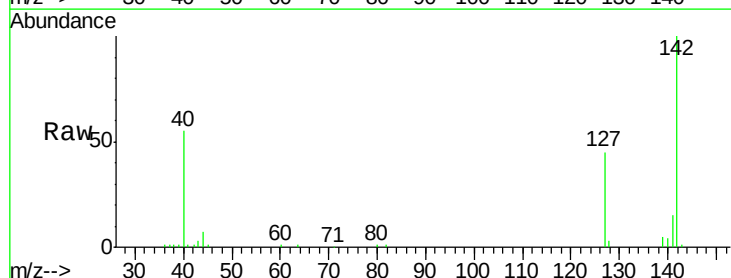
Tgt Ion:142 Resp: 98788

Ion Ratio Lower Upper

142 100

127 46.1 30.3 45.5#

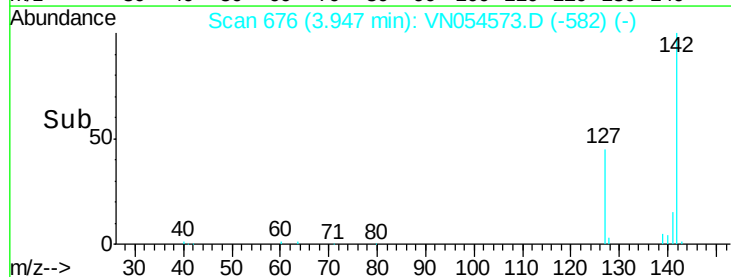
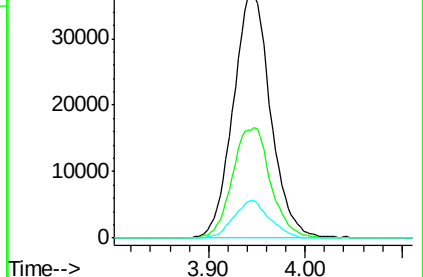
141 14.8 11.2 16.8

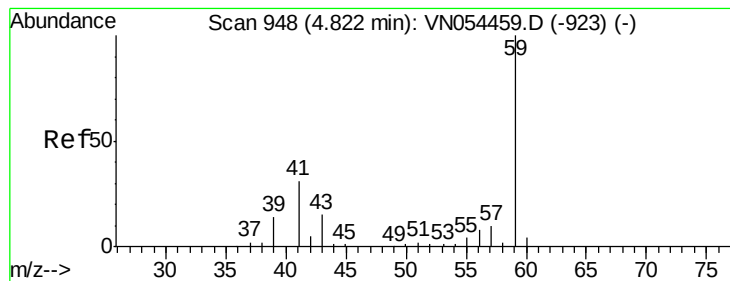


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



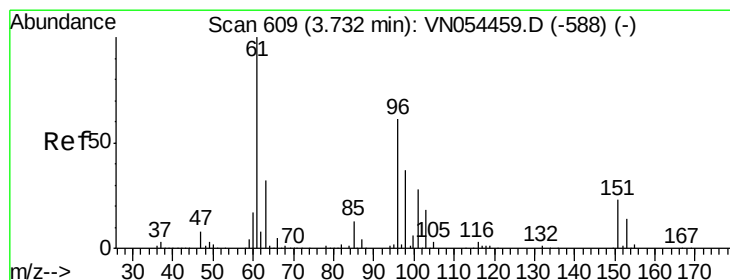
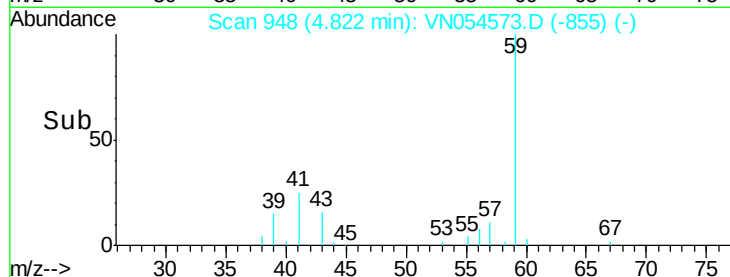
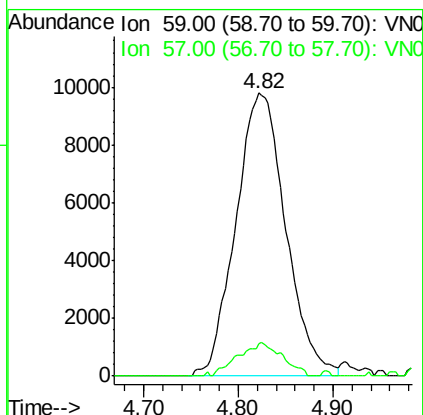
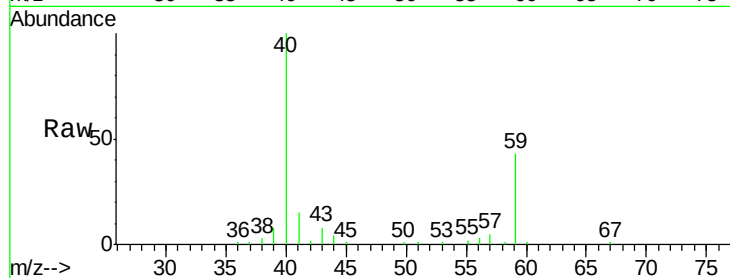


#11

Tert butyl alcohol
 Concen: 117.724 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

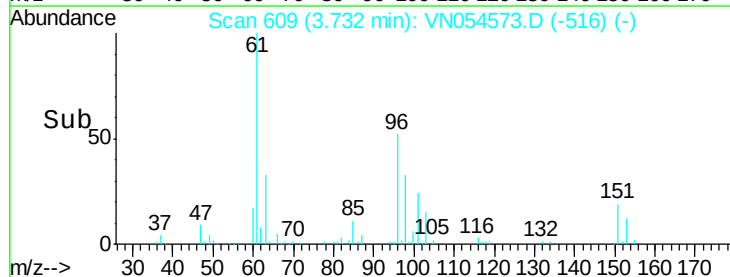
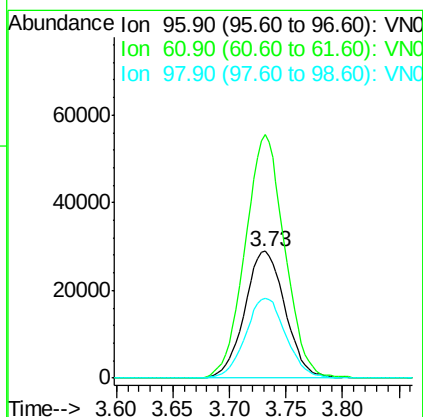
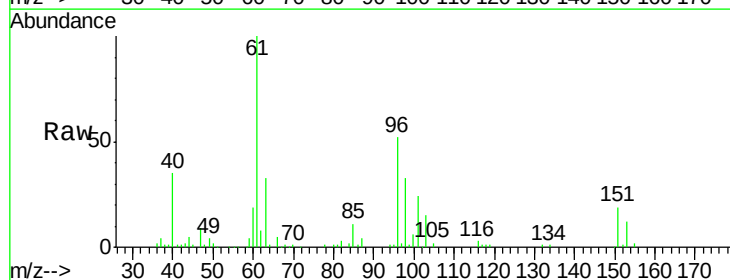
Tot Ion: 59 Resp: 35830
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.6

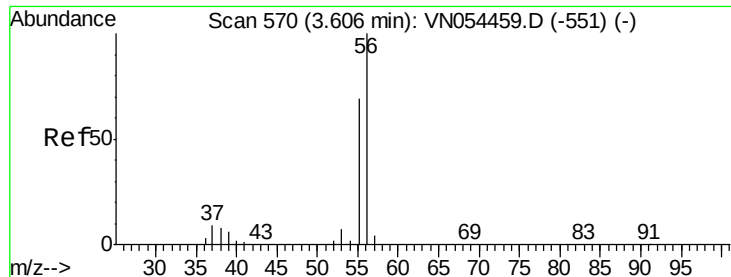


#12

1,1-Dichloroethene
 Concen: 18.501 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 96 Resp: 72122
 Ion Ratio Lower Upper
 96 100
 61 192.0 116.5 174.7#
 98 62.9 51.0 76.4





#13

Acrolein

Concen: 95.154 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

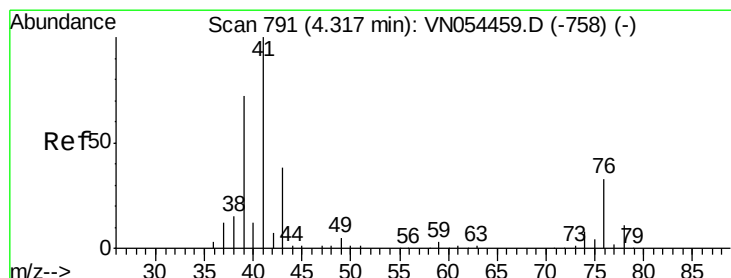
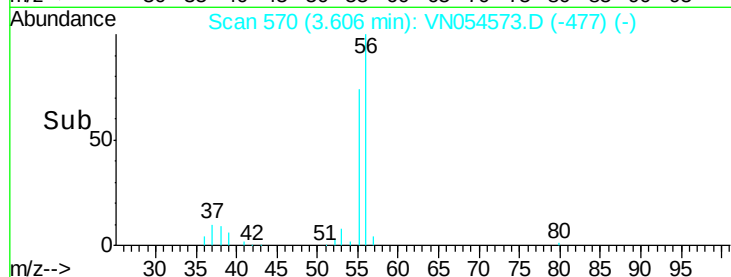
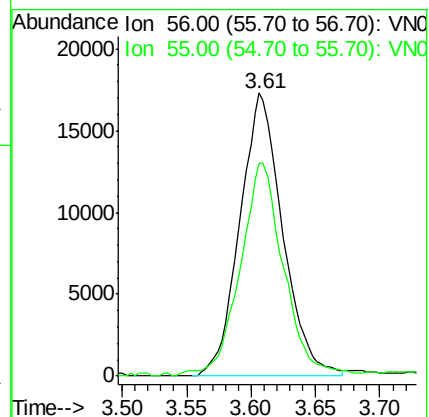
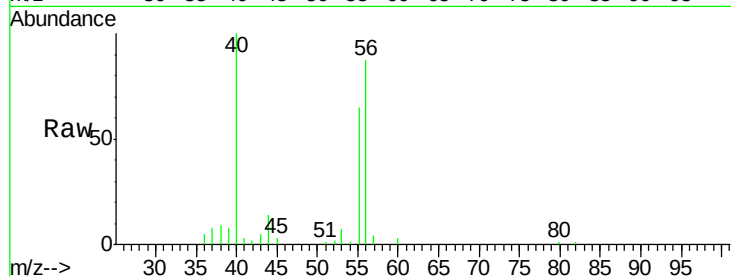
VN0322MBS02

Tot Ion: 56 Resp: 39966

Ion Ratio Lower Upper

56 100

55 76.6 56.7 85.1



#14

Allyl chloride

Concen: 21.550 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

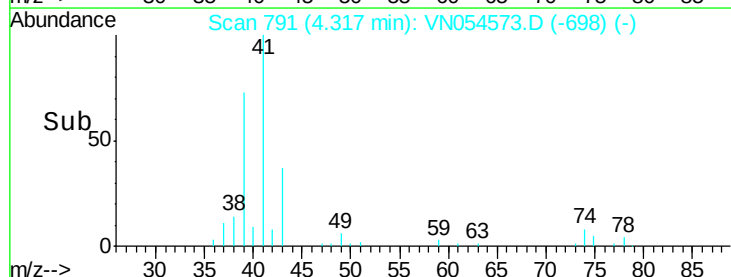
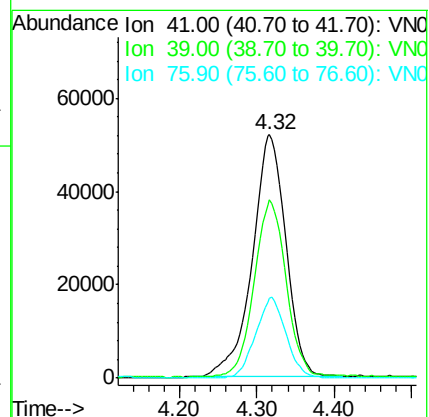
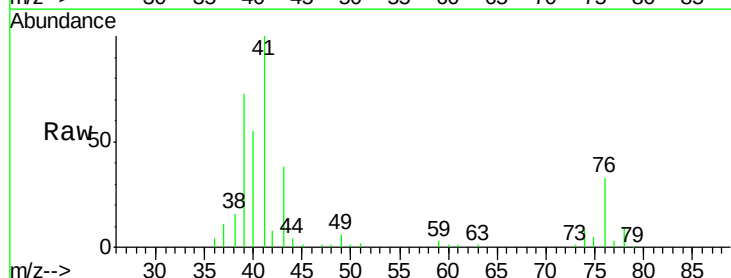
Tgt Ion: 41 Resp: 158192

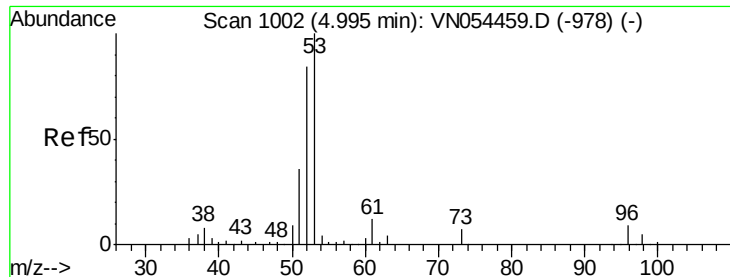
Ion Ratio Lower Upper

41 100

39 68.6 58.2 87.4

76 30.1 31.7 47.5#



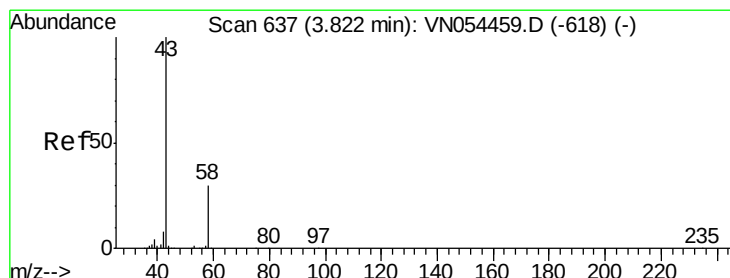
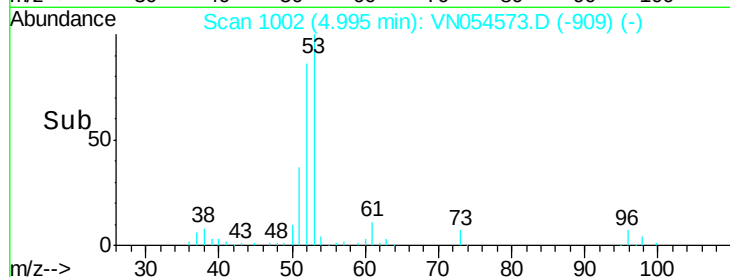
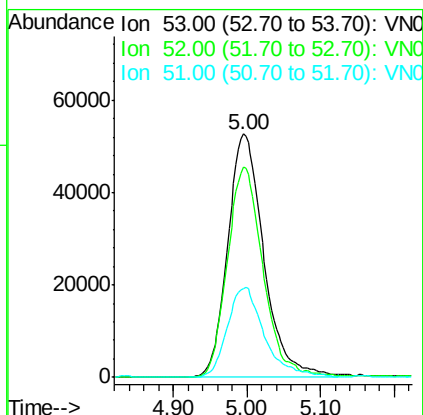
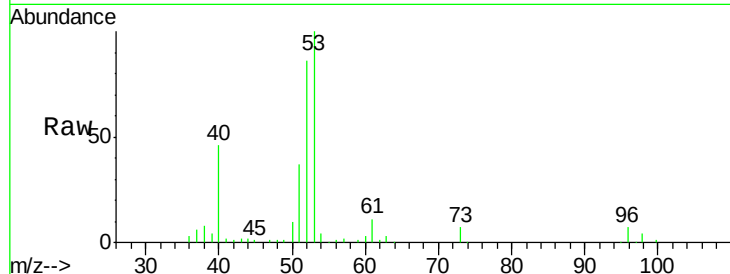


#15
 Acrylonitrile
 Concen: 118.548 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

Tot Ion: 53 Resp: 179678

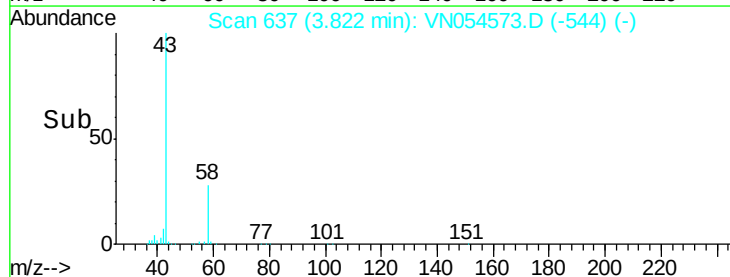
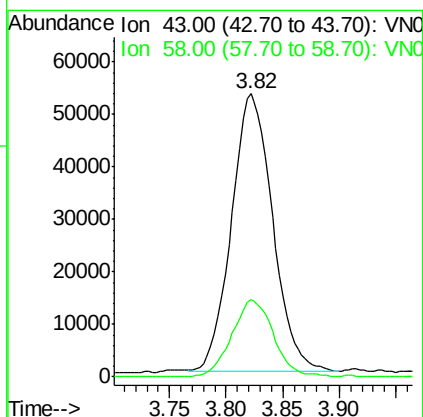
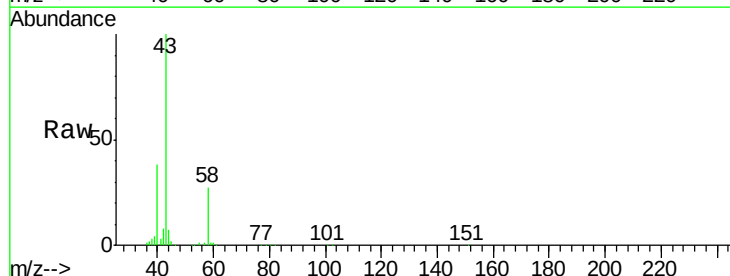
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.4	99.6
51	38.1	29.6	44.4

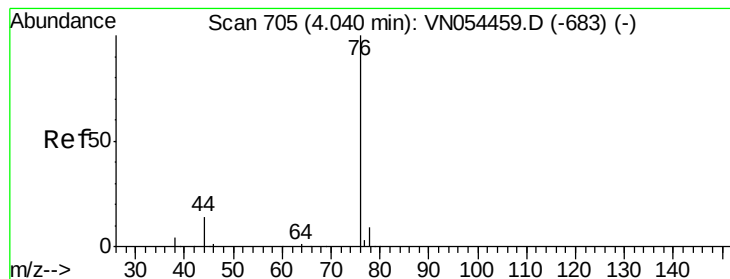


#16
 Acetone
 Concen: 88.331 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 43 Resp: 133505

Ion	Ratio	Lower	Upper
43	100		
58	27.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 18.429 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

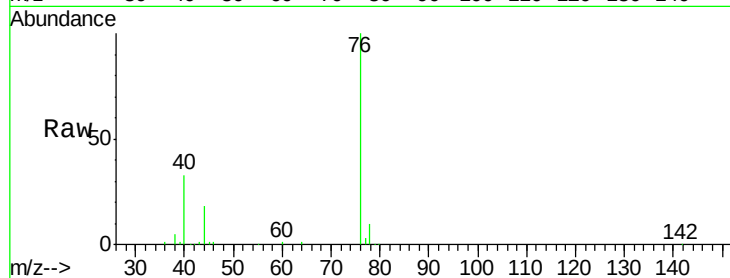
VN0322MBS02

Tot Ion: 76 Resp: 192490

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

80000

60000

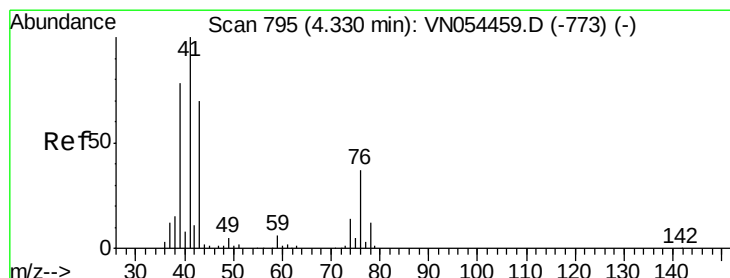
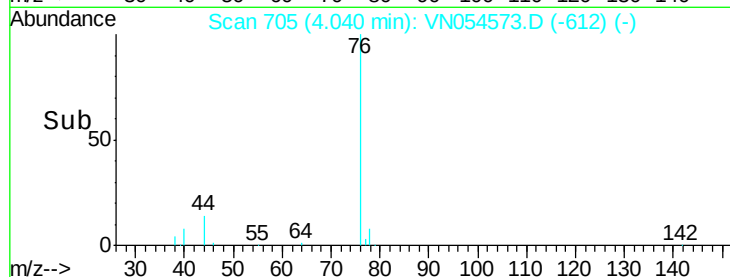
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 24.376 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054573.D

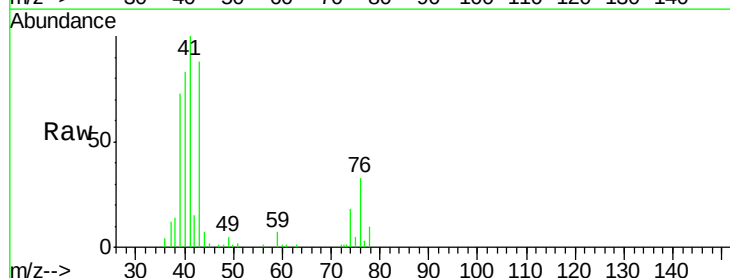
Acq: 22 Mar 2019 23:07

Tgt Ion: 43 Resp: 82116

Ion Ratio Lower Upper

43 100

74 20.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

30000

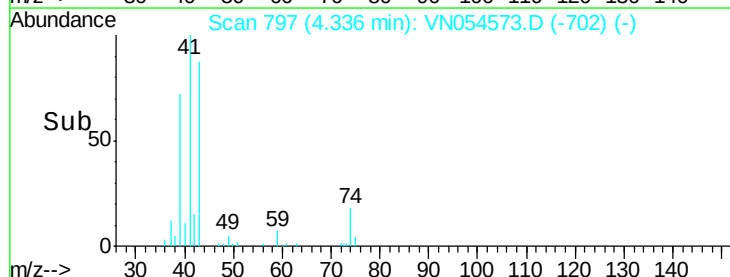
20000

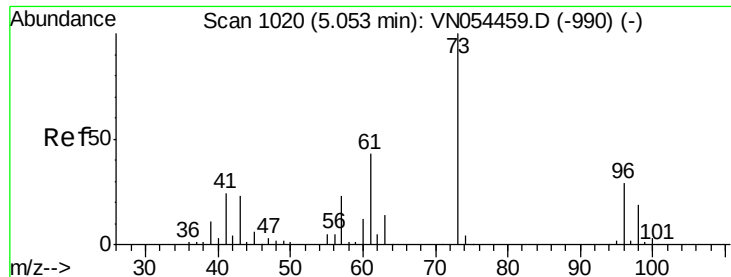
10000

0

Time-->

4.20 4.30 4.40

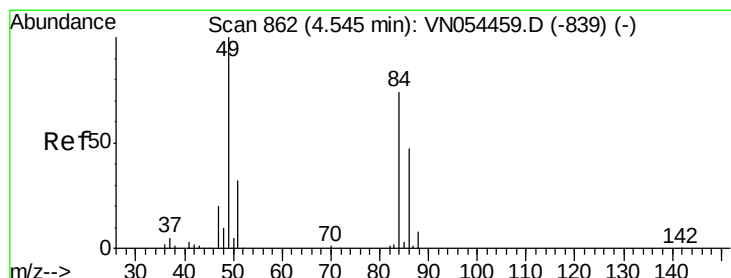
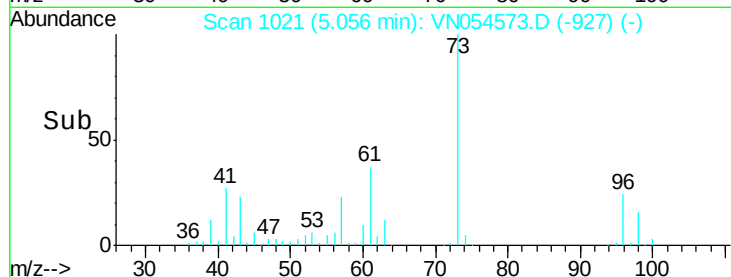
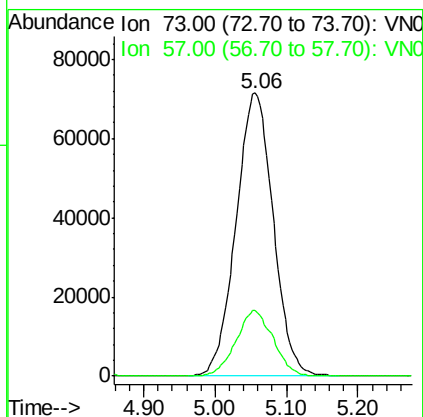
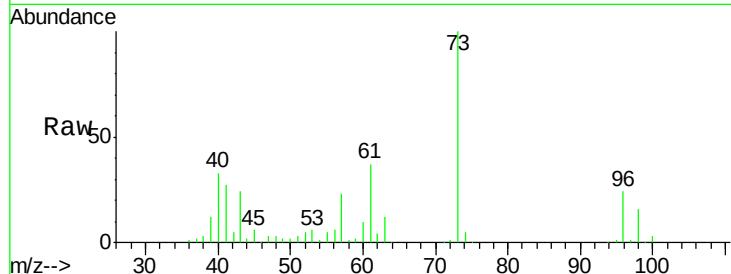




#19
Methyl tert-butyl Ether
Concen: 22.789 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

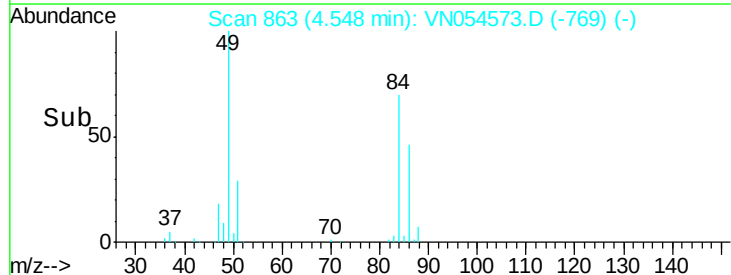
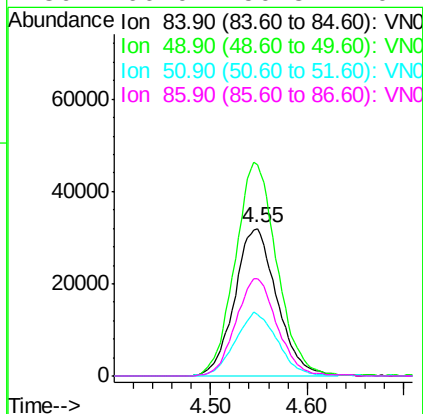
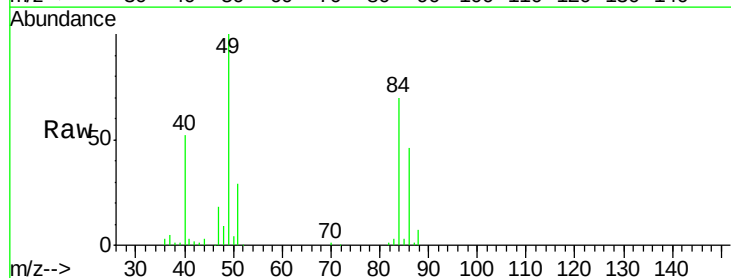
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

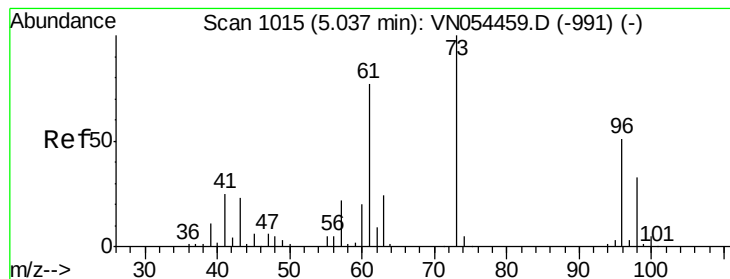
Tot Ion: 73 Resp: 259275
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 21.787 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 84 Resp: 97070
Ion Ratio Lower Upper
84 100
49 143.5 89.7 134.5#
51 42.1 28.2 42.4
86 66.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.256 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

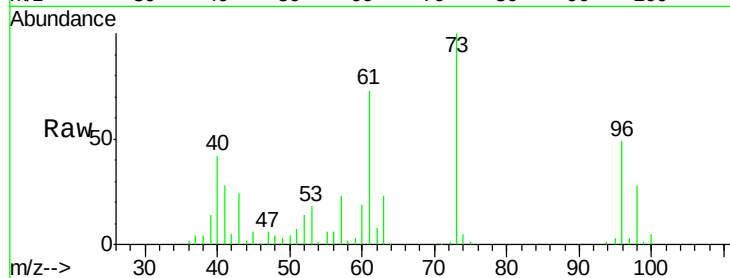
Tot Ion: 96 Resp: 88591

Ion Ratio Lower Upper

96 100

61 150.1 102.8 154.2

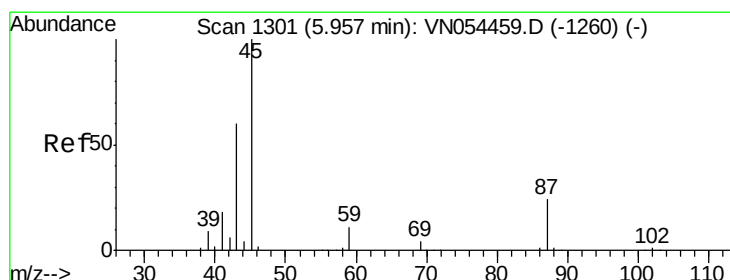
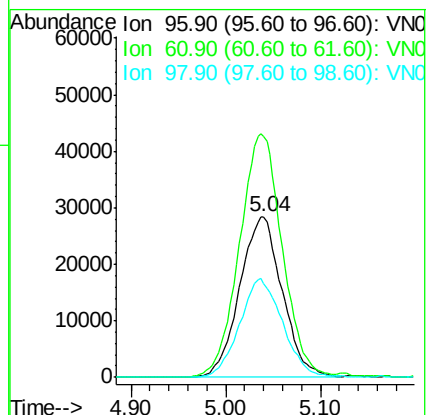
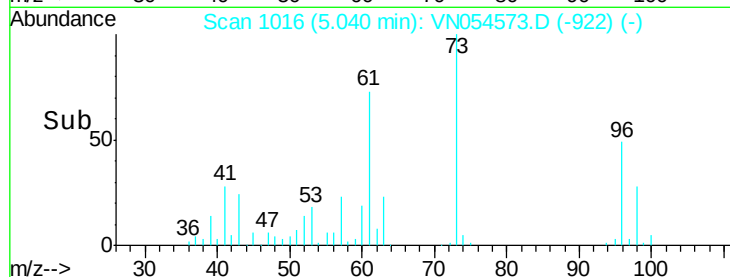
98 58.1 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 23.625 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion: 45 Resp: 342074

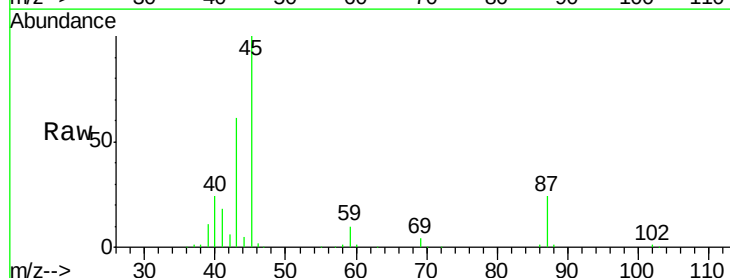
Ion Ratio Lower Upper

45 100

43 60.3 48.2 72.2

87 23.6 24.9 37.3#

59 10.1 9.5 14.3

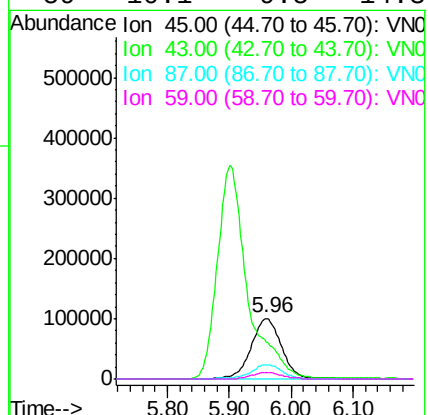
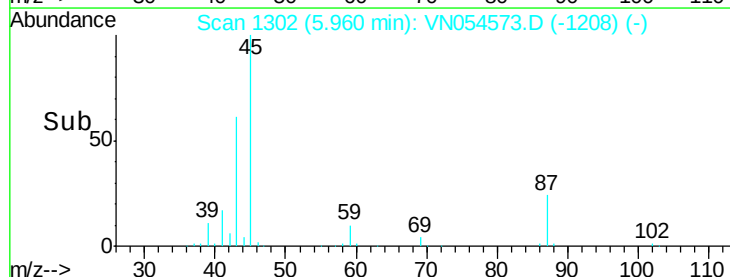


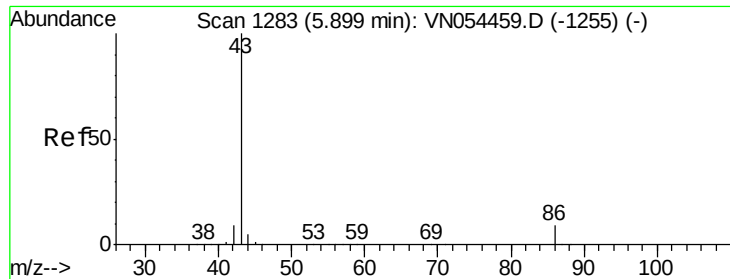
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 116.887 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

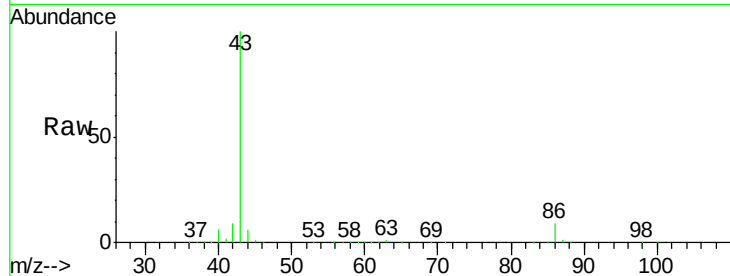
VN0322MBS02

Tot Ion: 43 Resp: 1195333

Ion Ratio Lower Upper

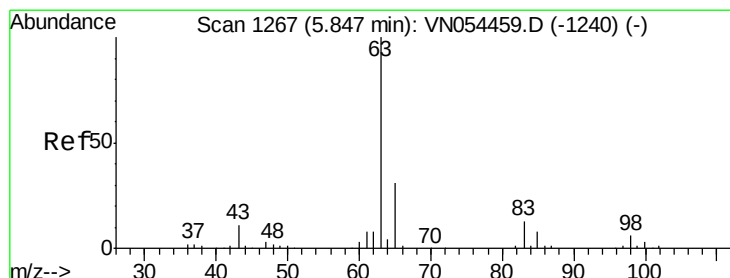
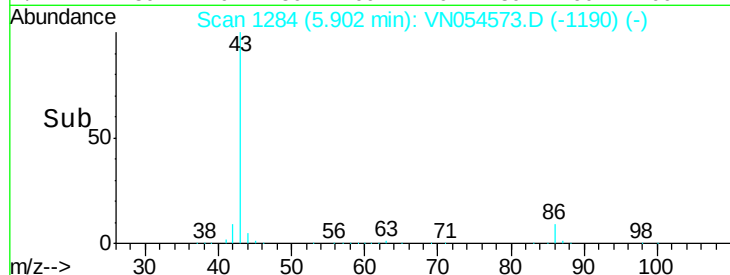
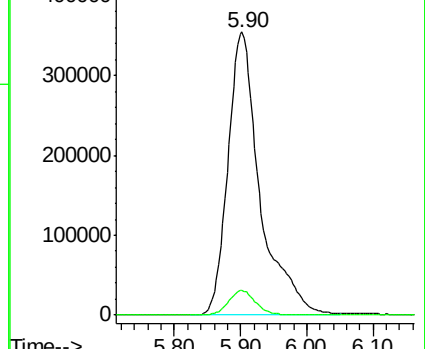
43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.148 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

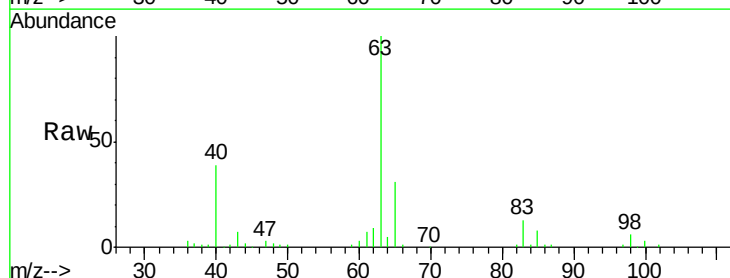
Tgt Ion: 63 Resp: 180470

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

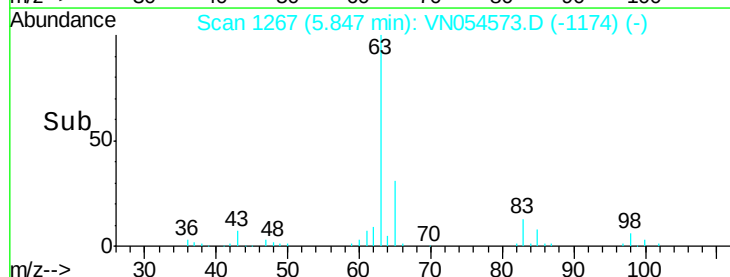
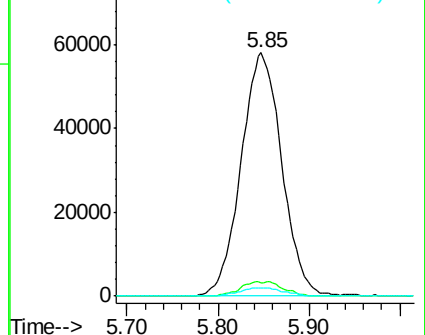
100 3.3 2.0 6.0

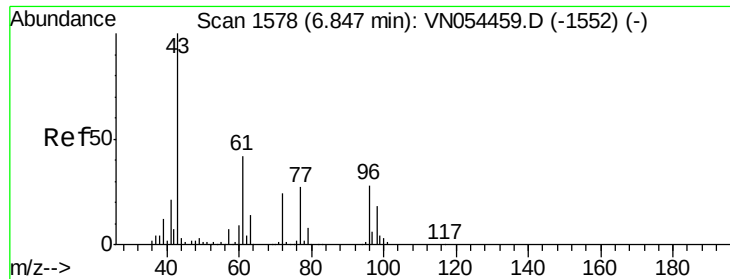


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 116.425 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

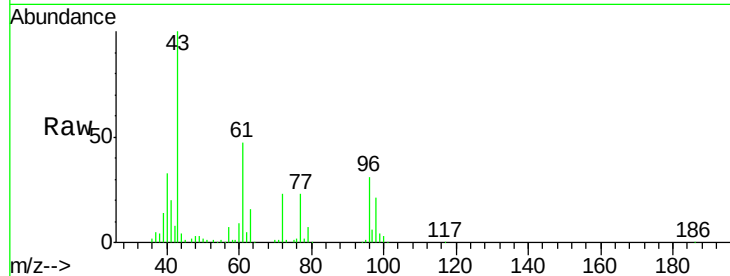
VN0322MBS02

Tot Ion: 43 Resp: 225412

Ion Ratio Lower Upper

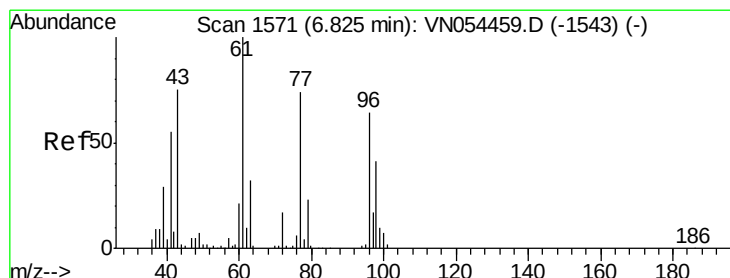
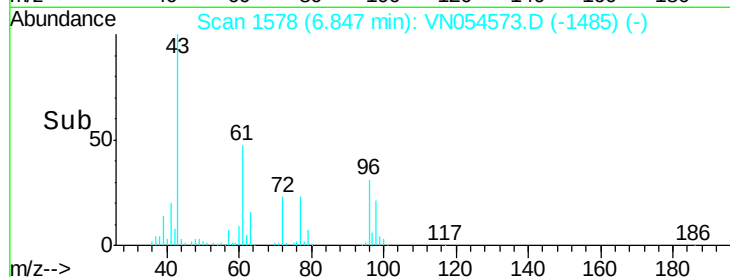
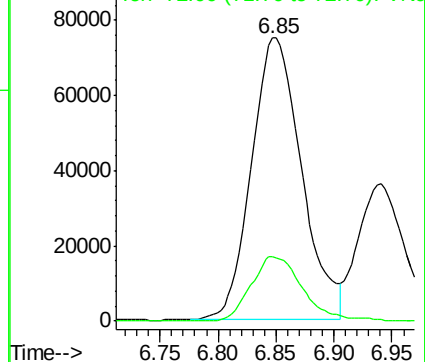
43 100

72 23.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.090 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054573.D

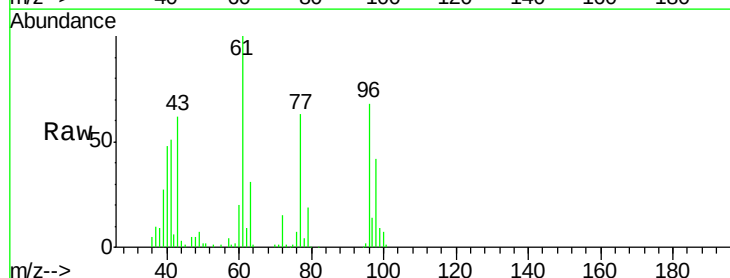
Acq: 22 Mar 2019 23:07

Tgt Ion: 77 Resp: 100536

Ion Ratio Lower Upper

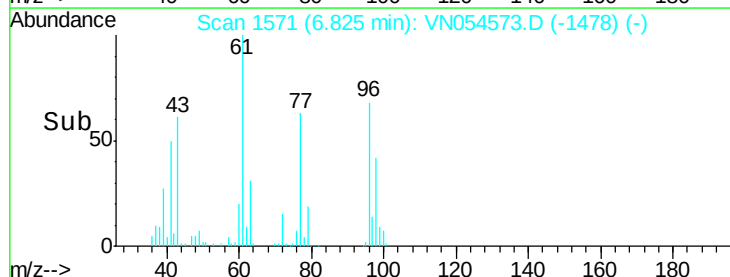
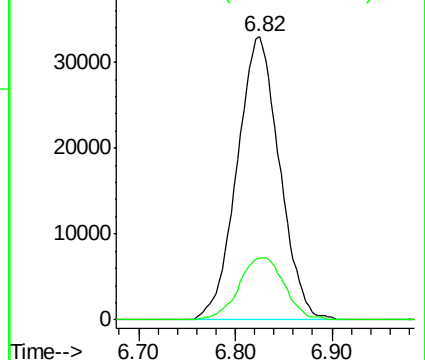
77 100

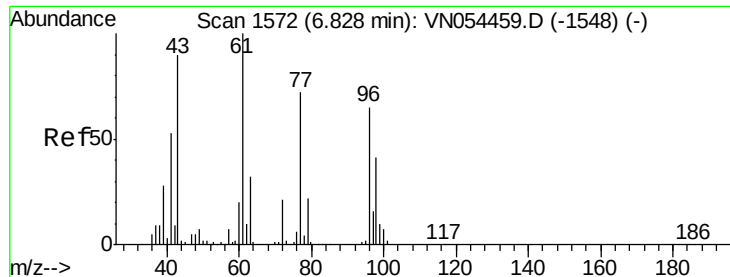
97 23.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 22.096 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

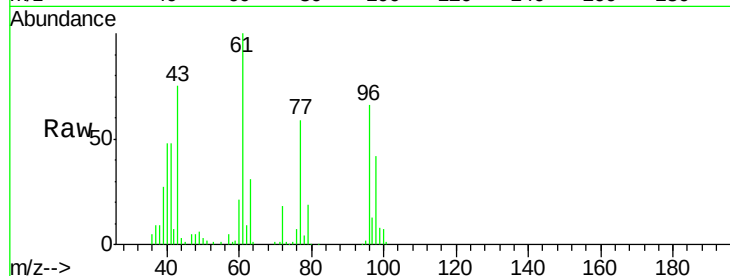
Tot Ion: 96 Resp: 104909

Ion Ratio Lower Upper

96 100

61 150.5 0.0 273.0

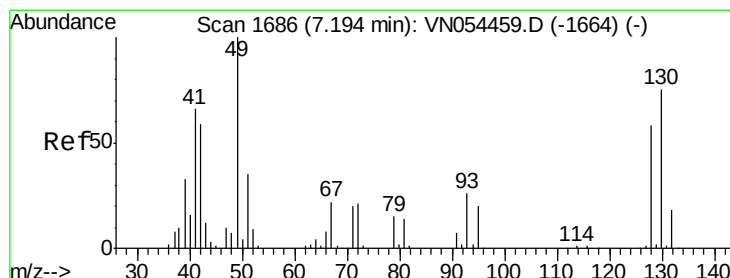
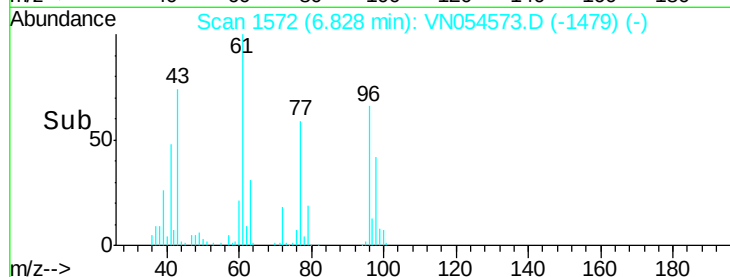
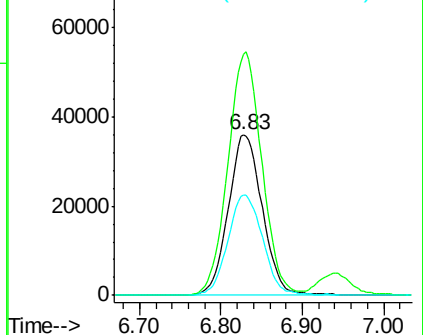
98 63.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.574 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

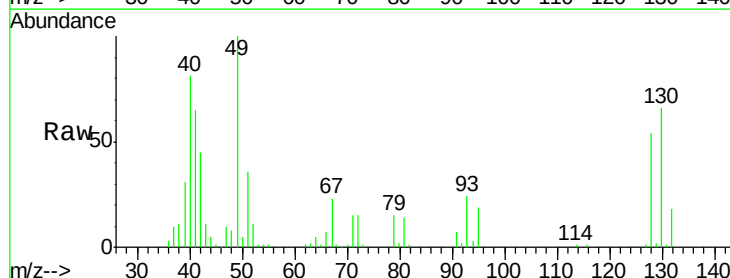
Tgt Ion: 49 Resp: 94303

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

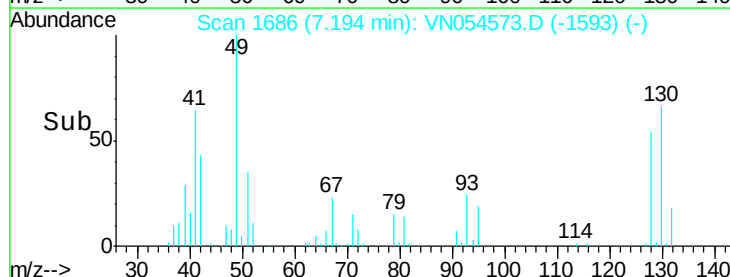
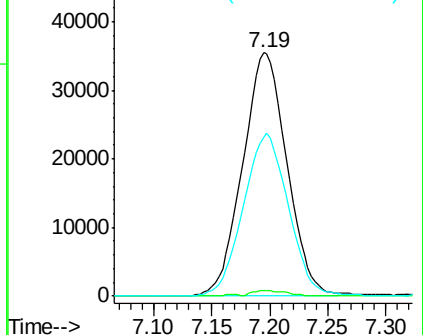
130 68.0 76.7 115.1#

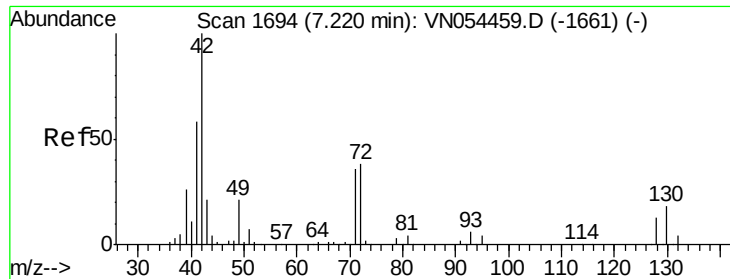


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 125.821 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

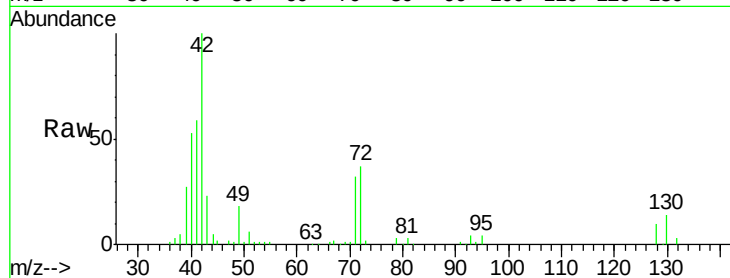
Tot Ion: 42 Resp: 158084

Ion Ratio Lower Upper

42 100

72 36.5 37.8 56.6#

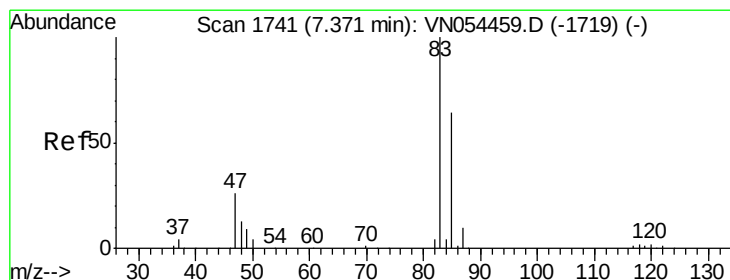
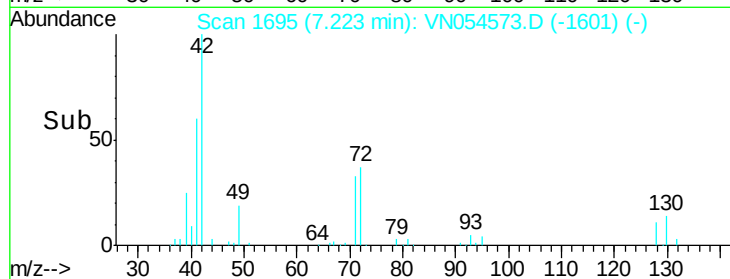
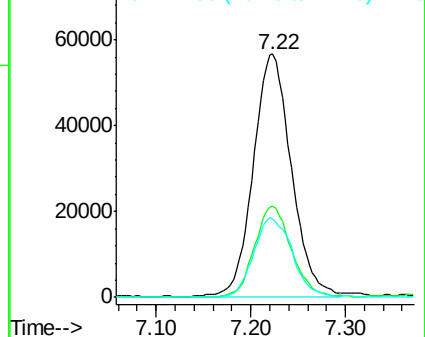
71 33.2 36.2 54.2#



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: 23.128 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054573.D

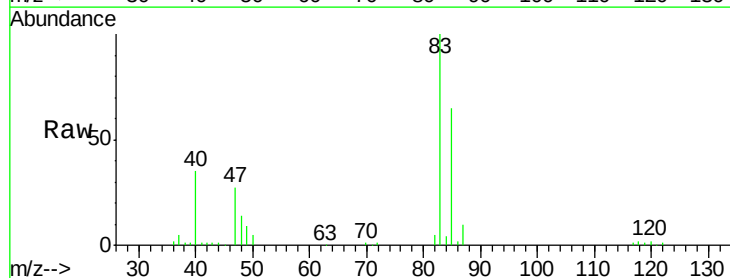
Acq: 22 Mar 2019 23:07

Tgt Ion: 83 Resp: 175970

Ion Ratio Lower Upper

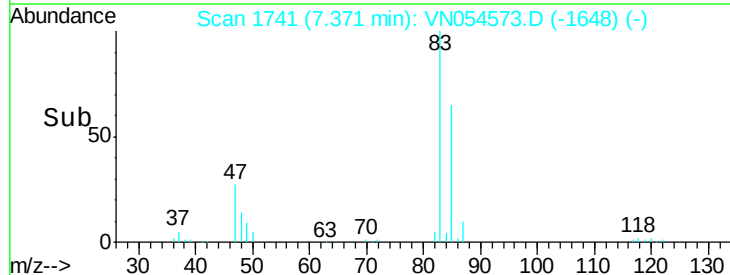
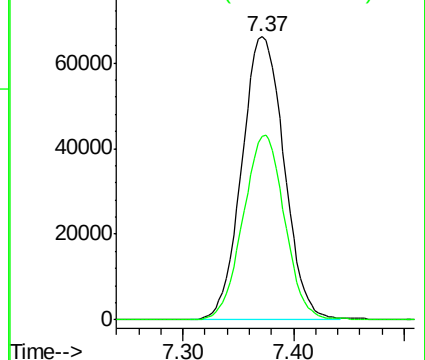
83 100

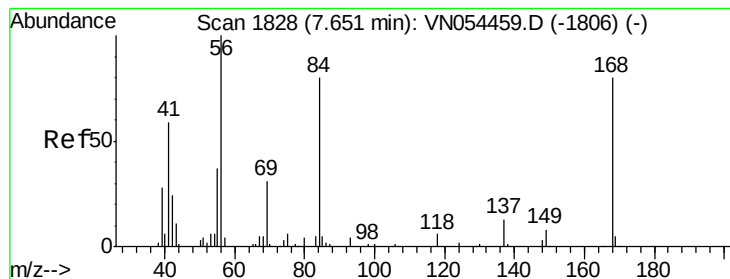
85 65.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.444 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampled :

VN0322MBS02

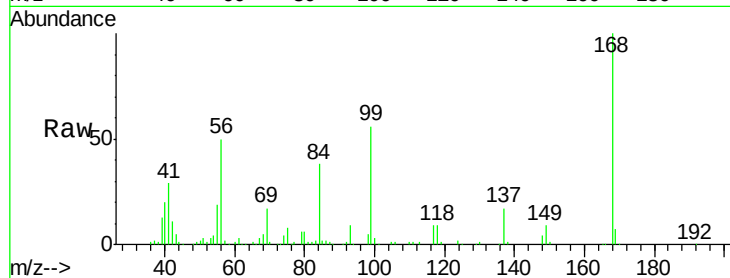
Tot Ion: 56 Resp: 168122

Ion Ratio Lower Upper

56 100

69 35.1 27.8 41.6

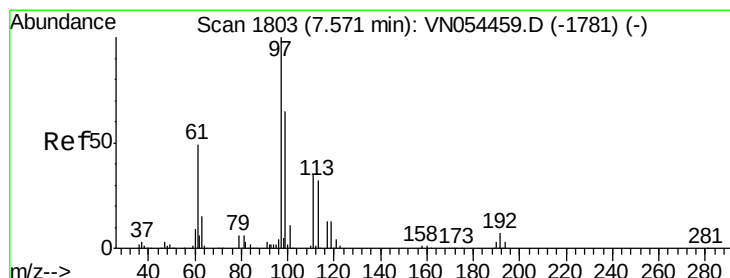
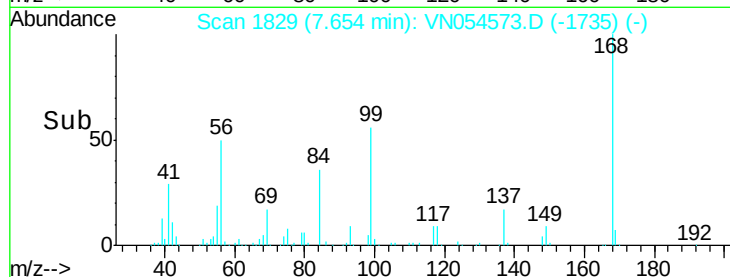
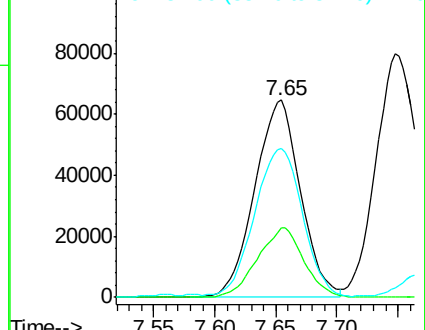
84 74.3 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.584 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

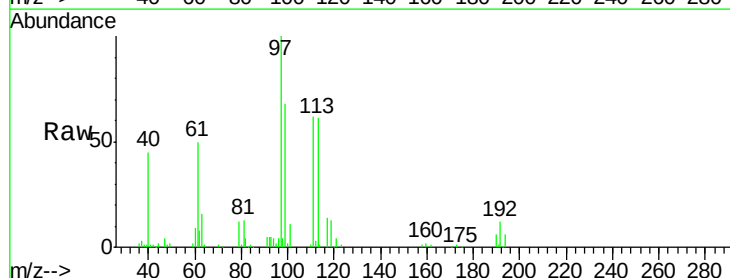
Tgt Ion: 97 Resp: 141763

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

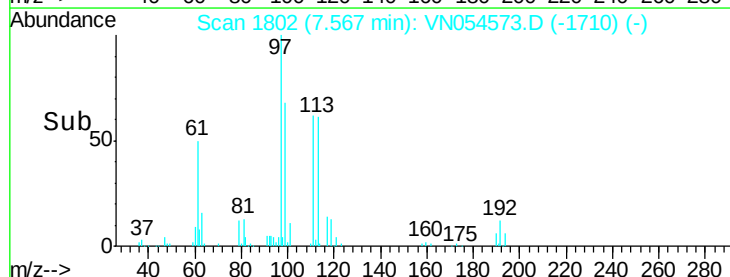
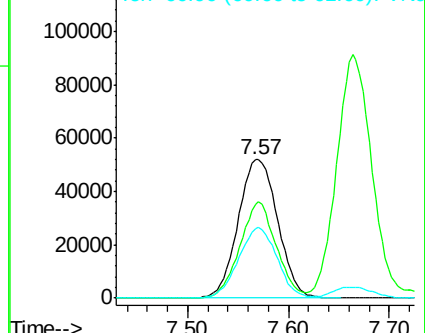
61 49.3 33.6 50.4

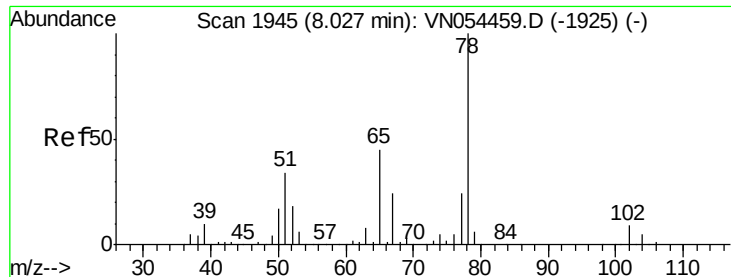


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

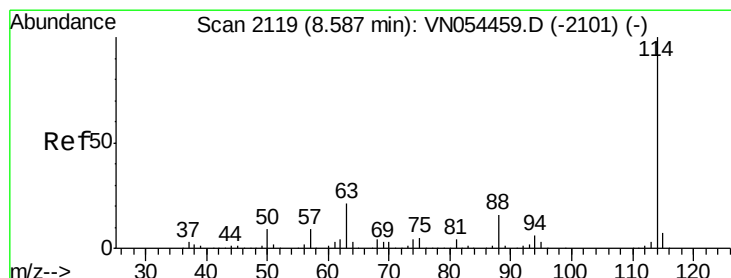
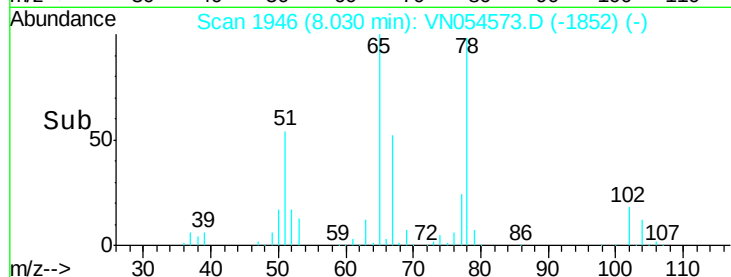
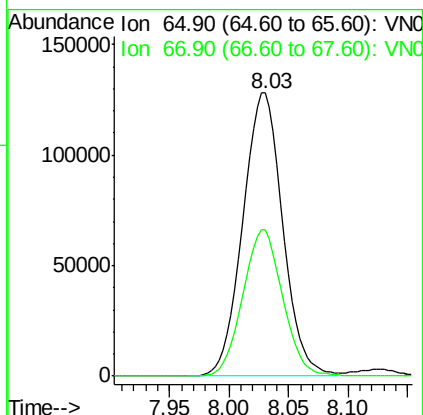
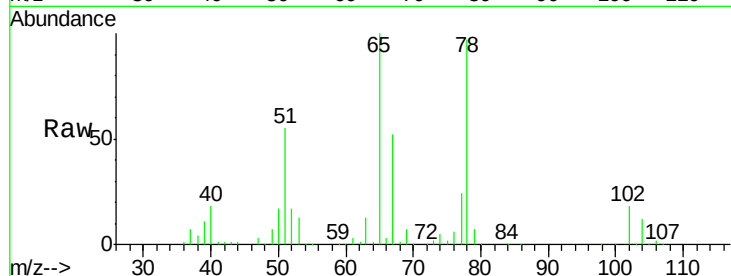




#33
 1,2-Dichloroethane-d4
 Concen: 59.158 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

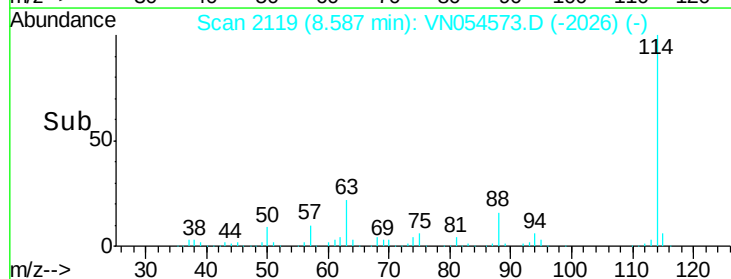
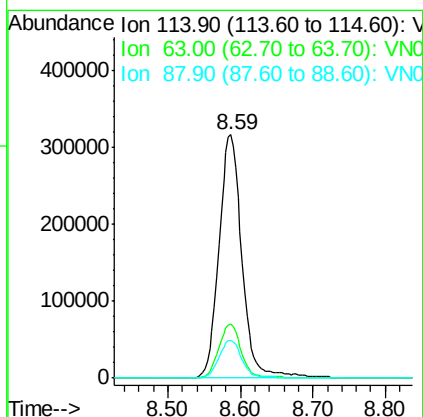
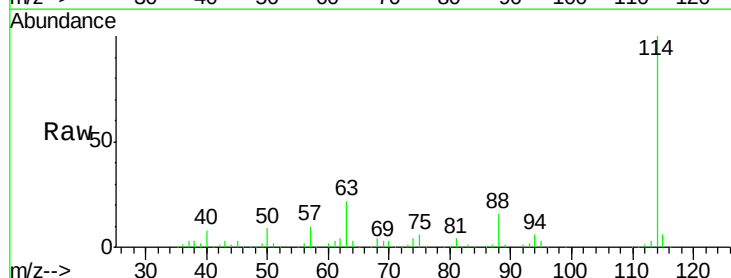
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

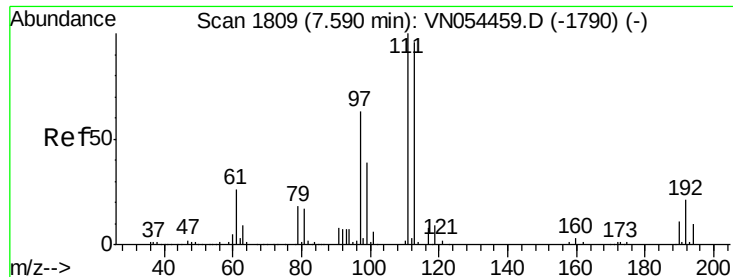
Tot Ion: 65 Resp: 297395
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 114 Resp: 696152
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.6 0.0 30.2

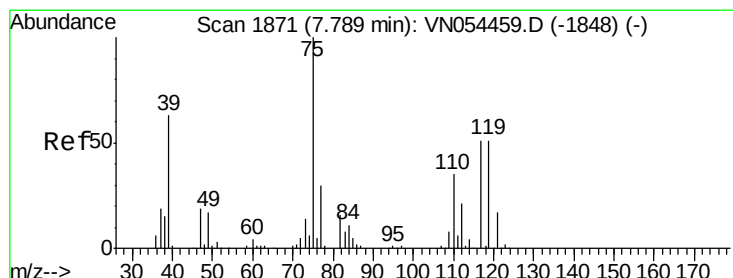
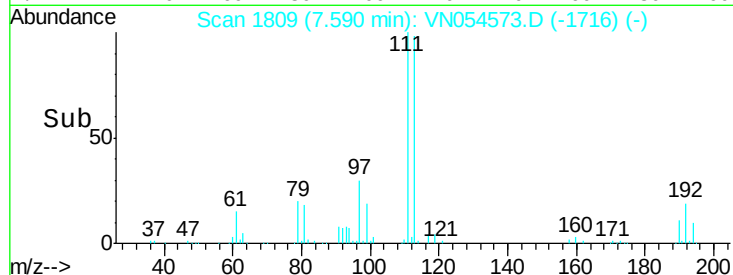
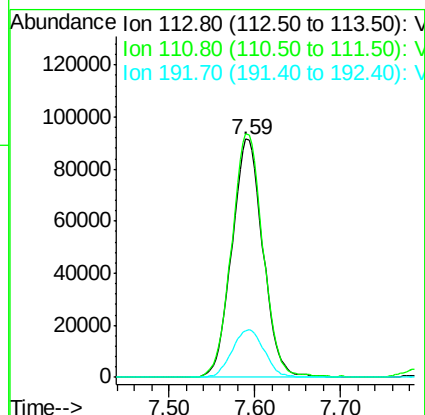
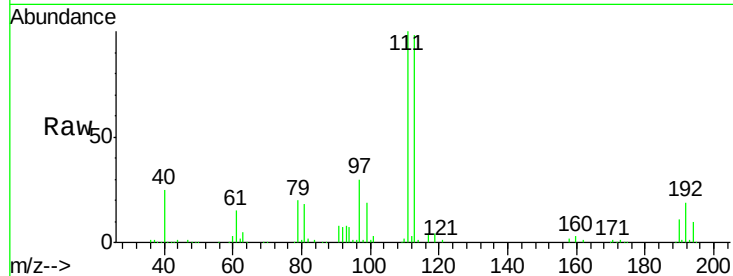




#35
 Dibromofluoromethane
 Concen: 51.256 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

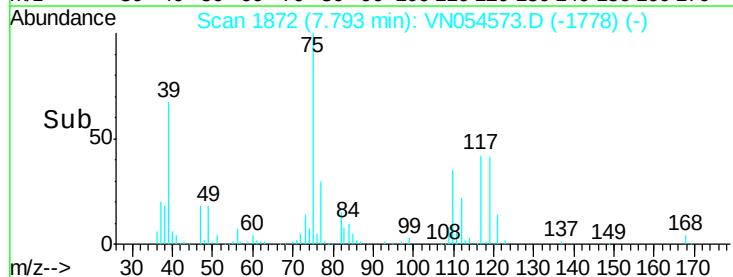
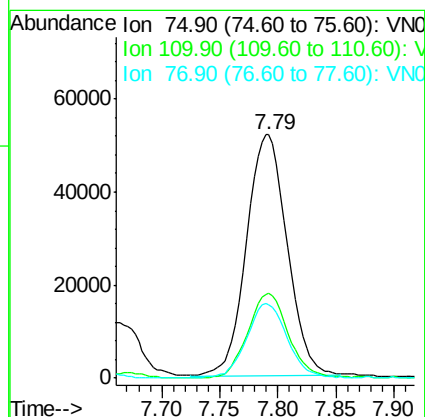
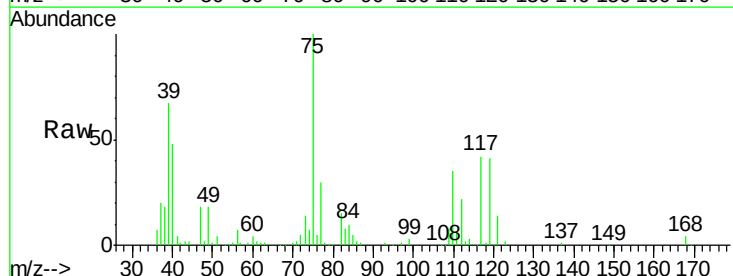
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

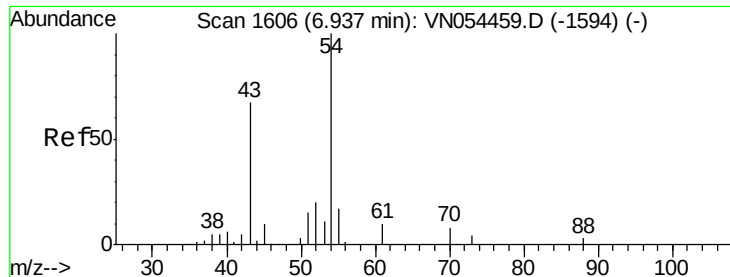
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	20.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.481 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	19.1	57.5
77	31.1	25.0	37.4

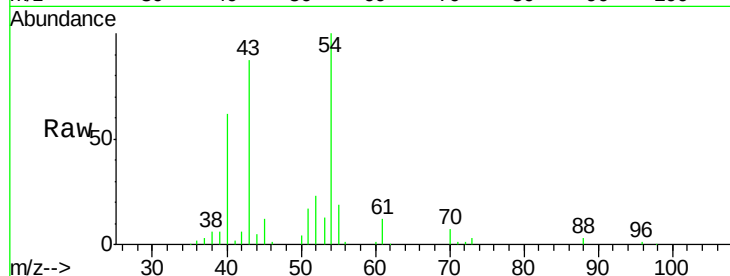




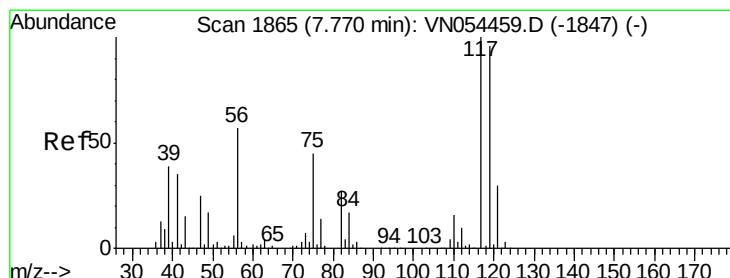
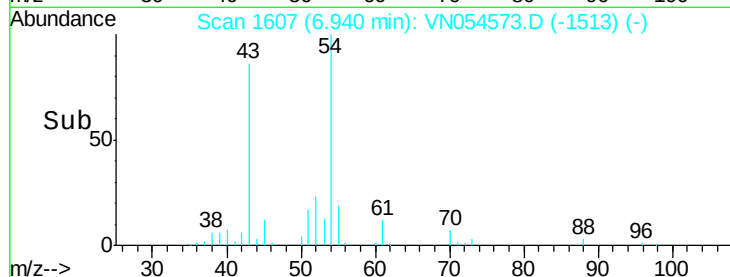
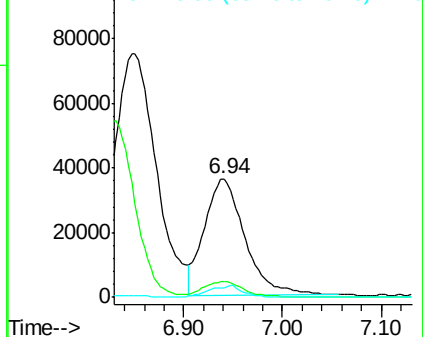
#37
Ethyl Acetate
Concen: 22.206 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampled :
VN0322MBS02

Tot Ion: 43 Resp: 102801
Ion Ratio Lower Upper
43 100
61 13.1 11.8 17.6
70 8.9 8.4 12.6

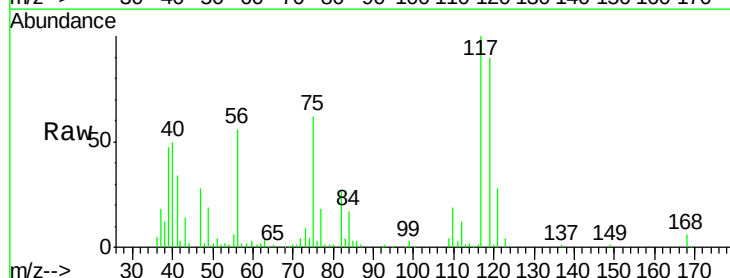


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

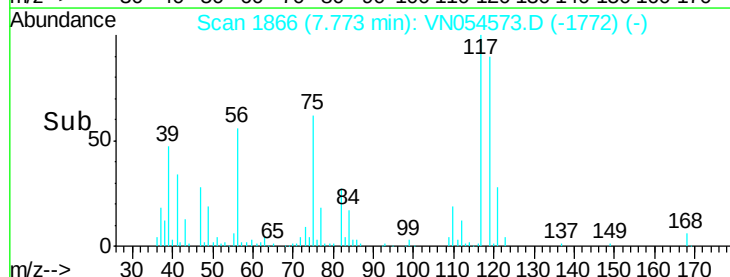
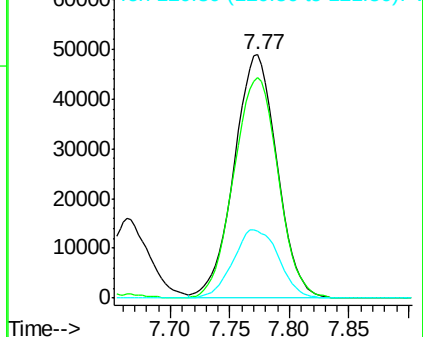


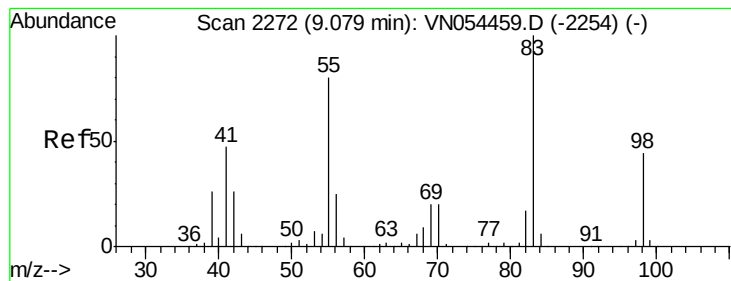
#38
Carbon Tetrachloride
Concen: 19.210 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 117 Resp: 121513
Ion Ratio Lower Upper
117 100
119 90.7 76.3 114.5
121 27.6 24.6 36.8



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





#39

Methylvlcyclohexane

Concen: 17.832 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

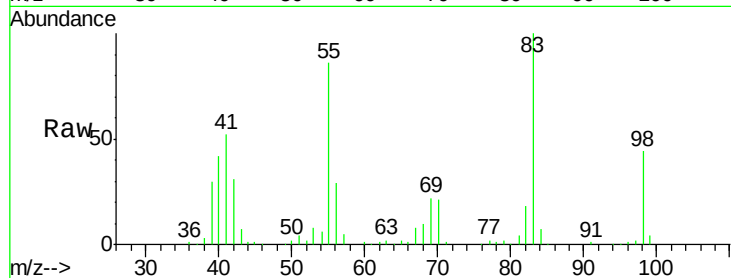
Tot Ion: 83 Resp: 132773

Ion Ratio Lower Upper

83 100

55 86.1 56.6 84.8#

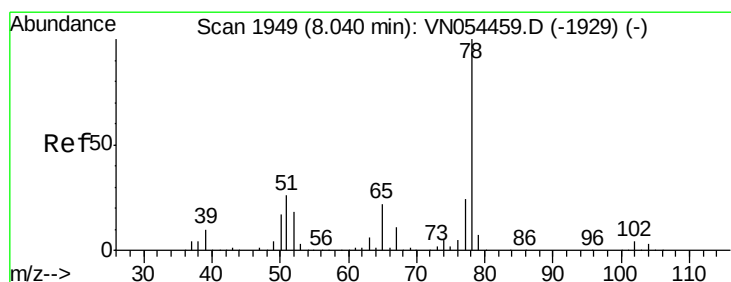
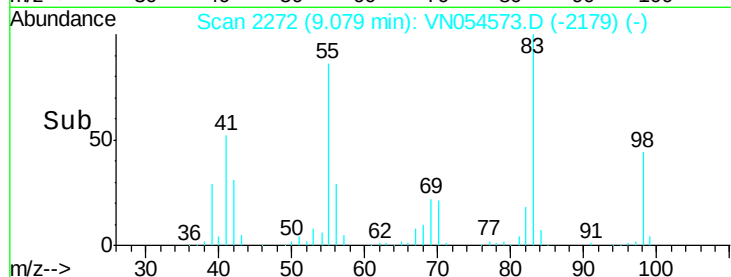
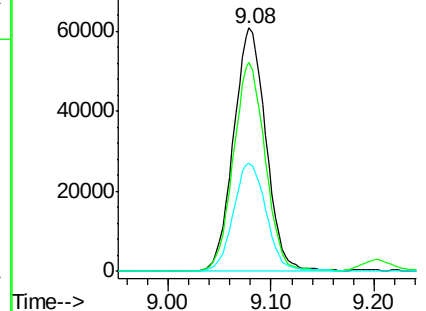
98 44.1 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 20.493 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054573.D

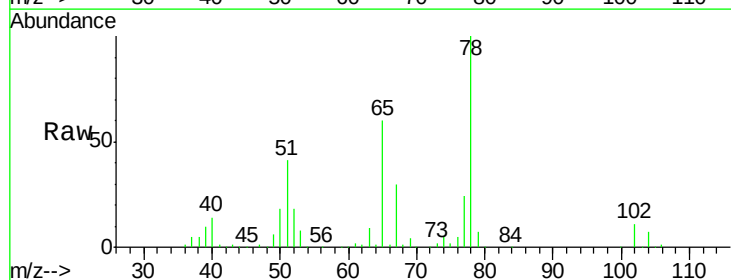
Acq: 22 Mar 2019 23:07

Tgt Ion: 78 Resp: 381438

Ion Ratio Lower Upper

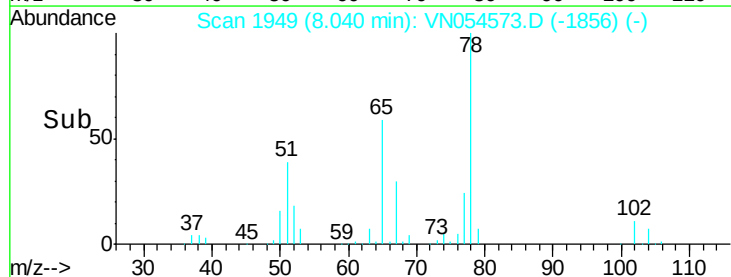
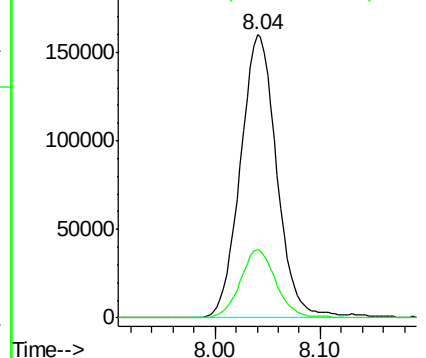
78 100

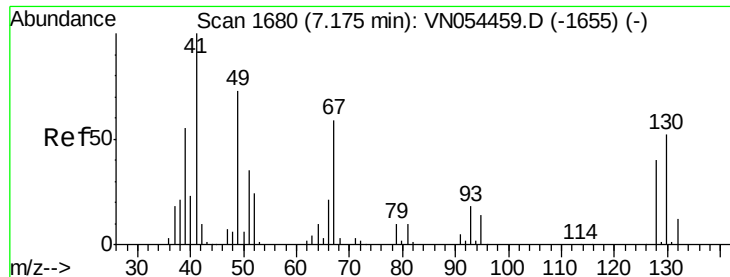
77 24.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

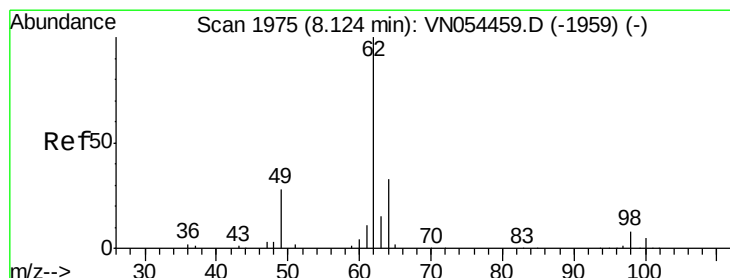
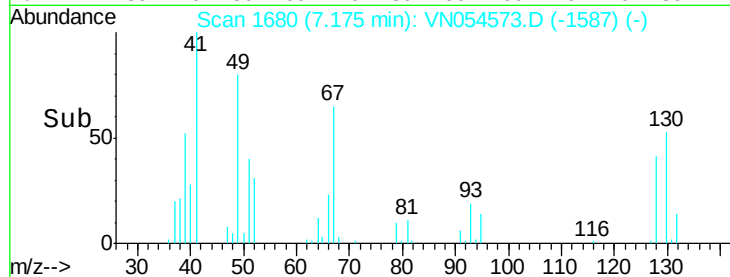
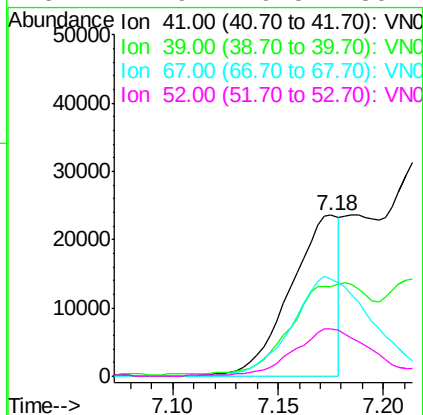
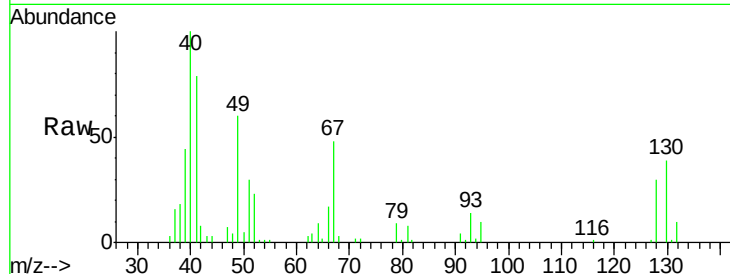




#41
Methacrylonitrile
Concen: 13.400 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

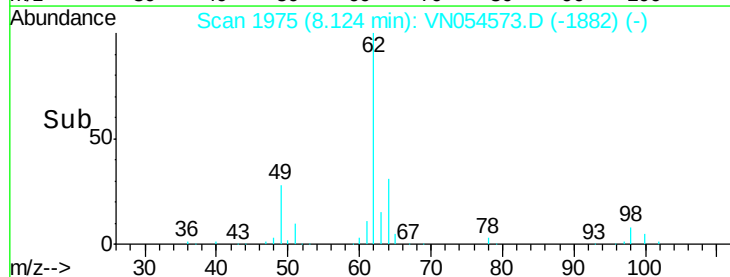
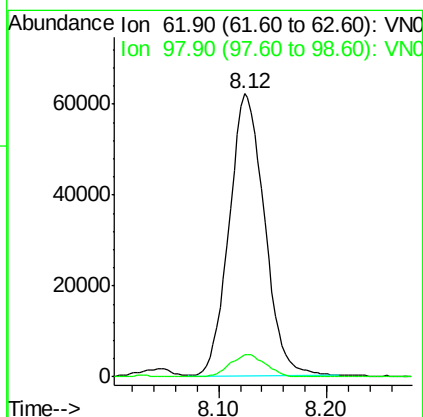
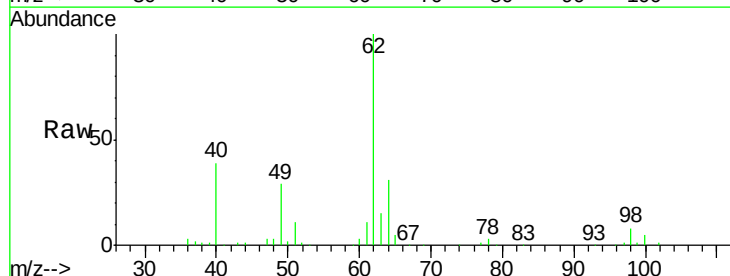
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

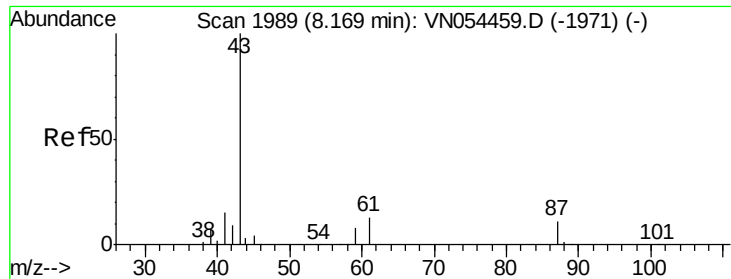
Tot Ion: 41 Resp: 37833
Ion Ratio Lower Upper
41 100
39 92.7 46.8 70.2#
67 105.1 67.0 100.4#
52 44.9 26.5 39.7#



#42
1,2-Dichloroethane
Concen: 20.897 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 62 Resp: 141648
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.885 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampled :

VN0322MBS02

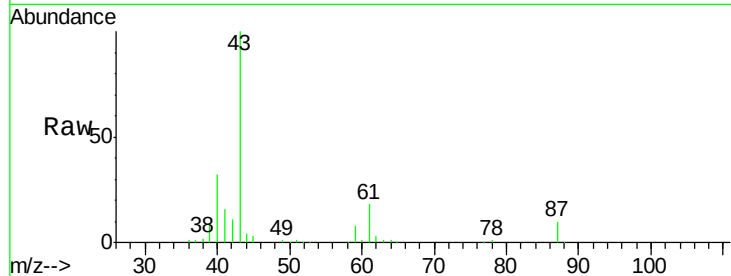
Tot Ion: 43 Resp: 171111

Ion Ratio Lower Upper

43 100

61 17.4 15.8 23.8

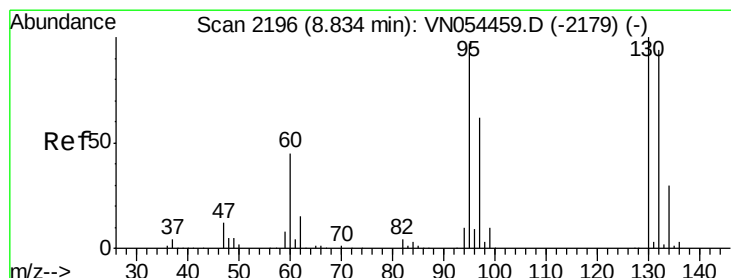
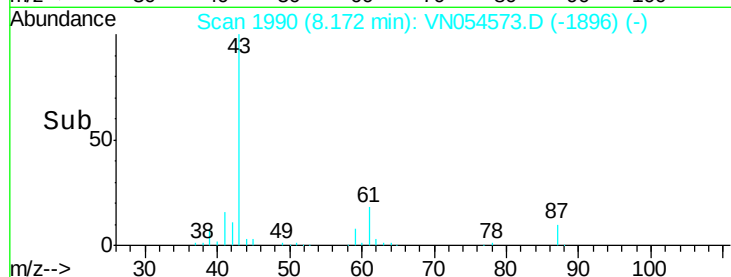
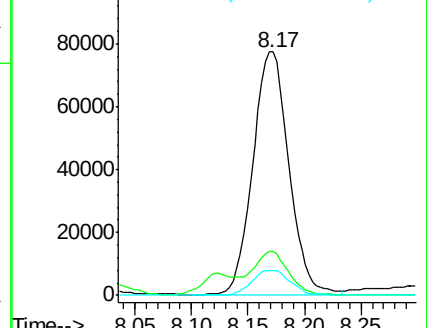
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.031 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054573.D

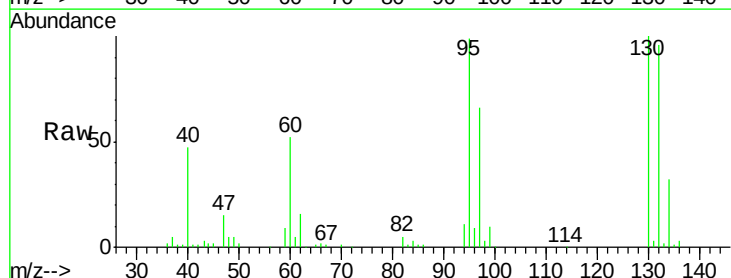
Acq: 22 Mar 2019 23:07

Tgt Ion:130 Resp: 98484

Ion Ratio Lower Upper

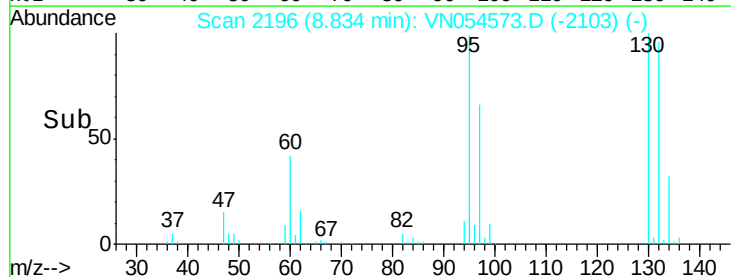
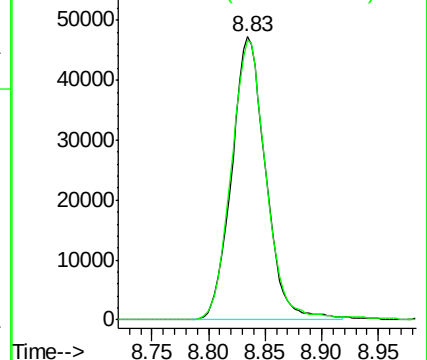
130 100

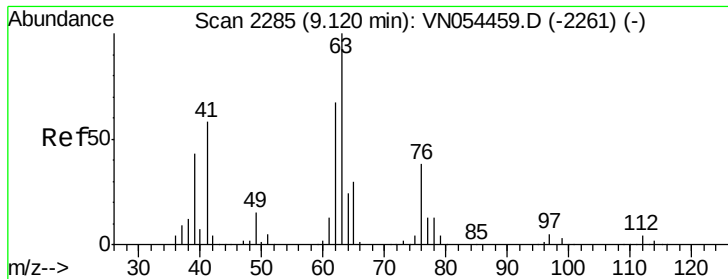
95 98.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

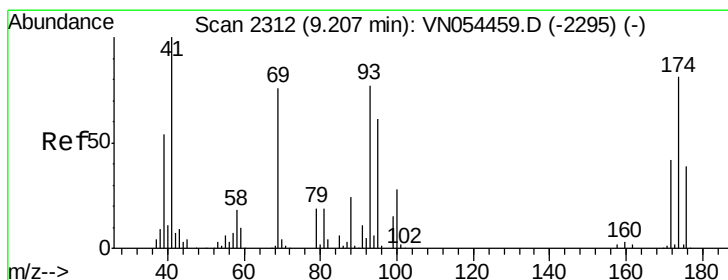
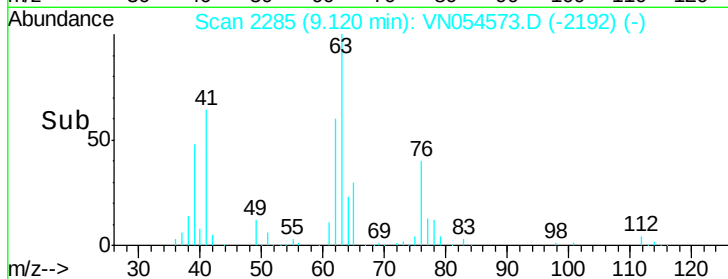
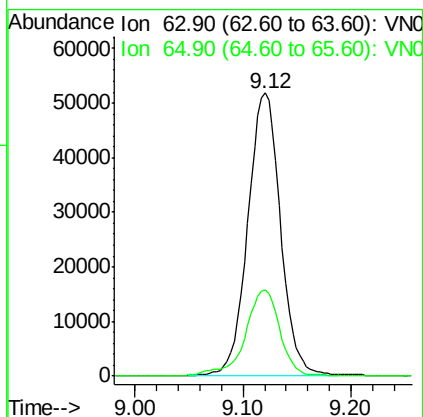
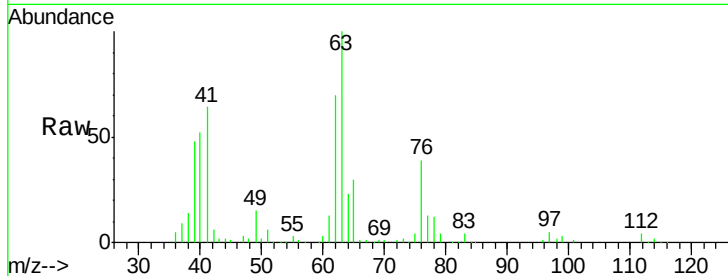




#45
 1,2-Dichloropropane
 Concen: 21.899 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

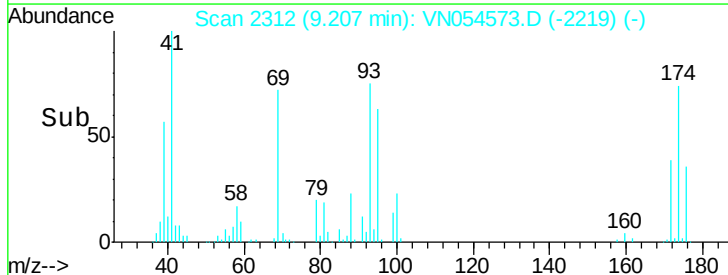
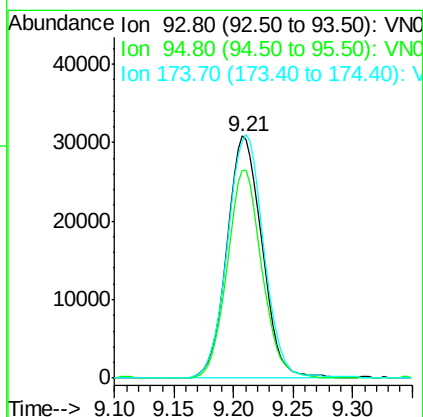
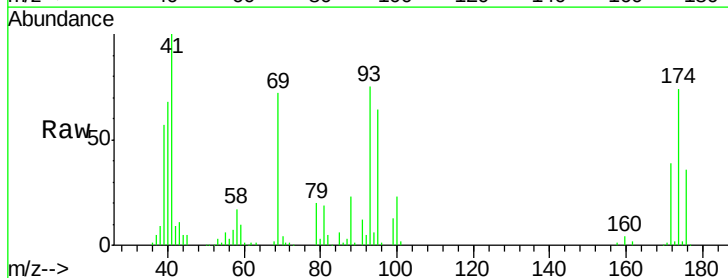
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

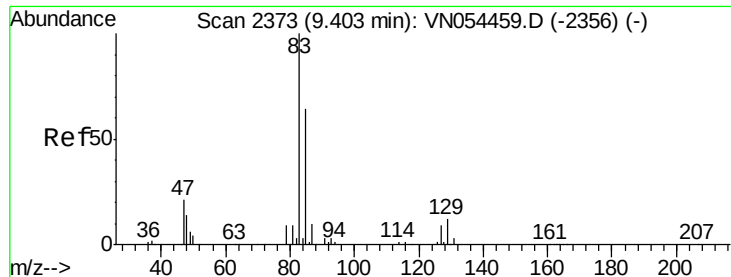
Tot Ion: 63 Resp: 109449
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 21.159 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 93 Resp: 63088
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 103.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.439 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

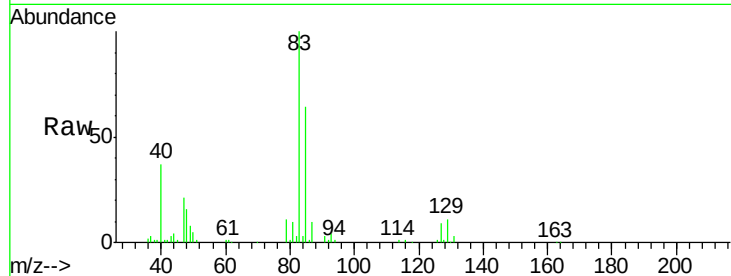
Tot Ion: 83 Resp: 126479

Ion Ratio Lower Upper

83 100

85 64.0 52.8 79.2

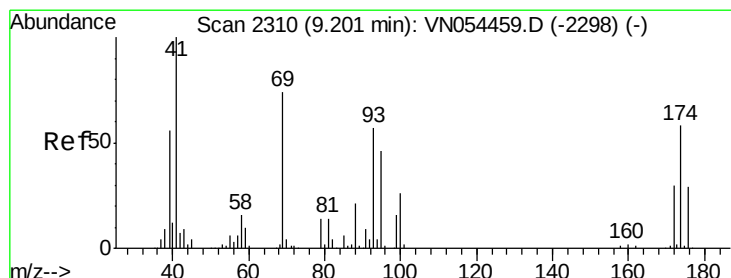
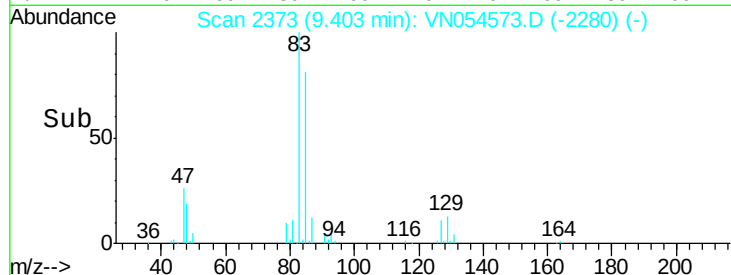
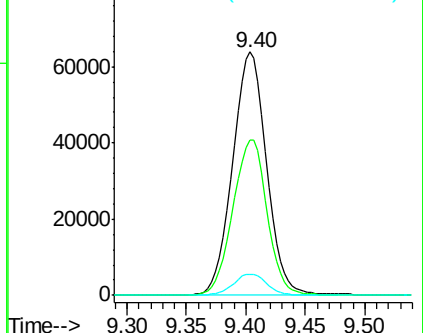
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.303 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

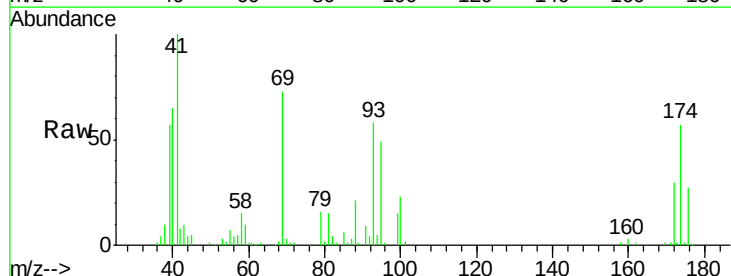
Tgt Ion: 41 Resp: 86159

Ion Ratio Lower Upper

41 100

69 75.0 72.6 108.8

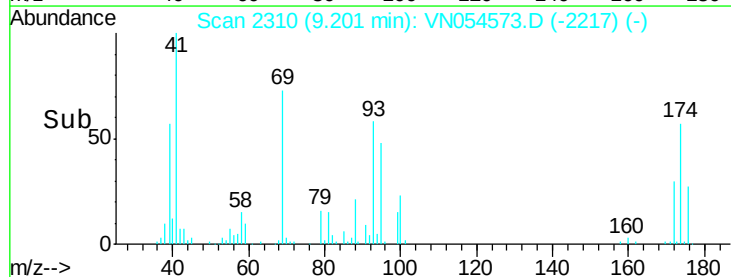
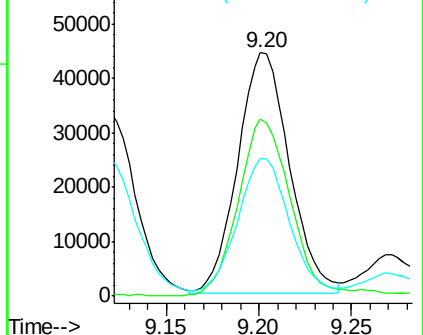
39 55.8 47.5 71.3

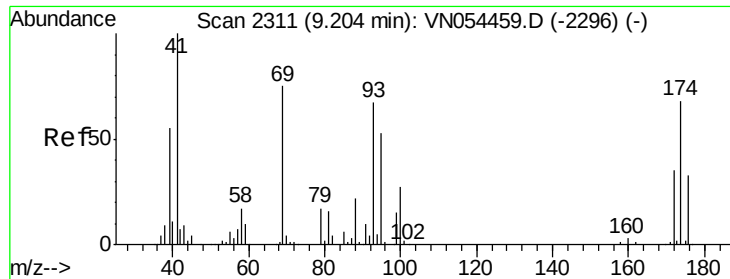


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 428.110 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

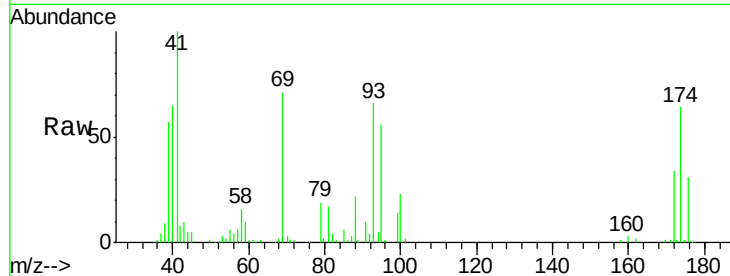
Tot Ion: 88 Resp: 20310

Ion Ratio Lower Upper

88 100

43 38.3 24.1 36.1#

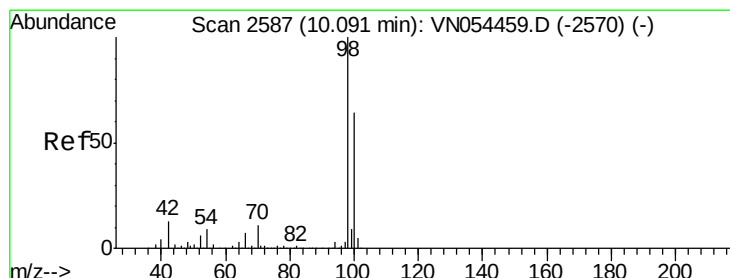
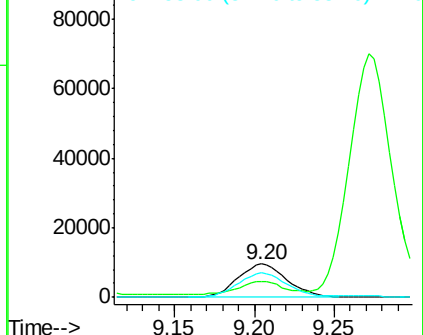
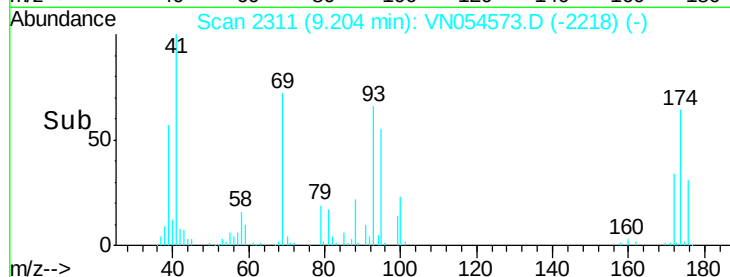
58 74.0 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.889 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054573.D

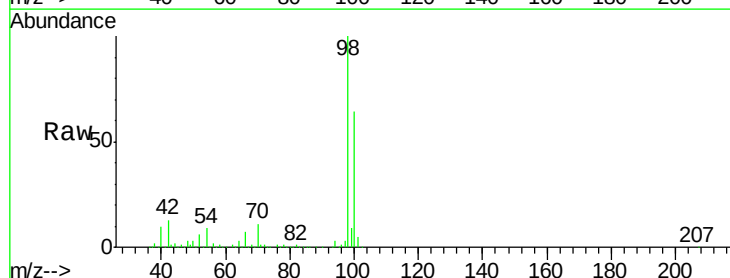
Acq: 22 Mar 2019 23:07

Tgt Ion: 98 Resp: 841161

Ion Ratio Lower Upper

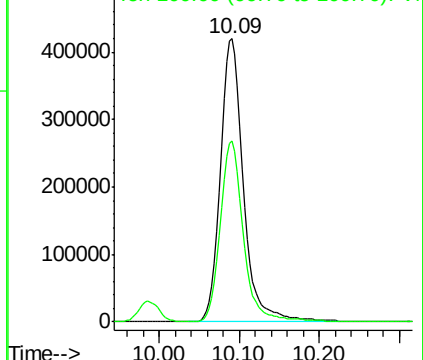
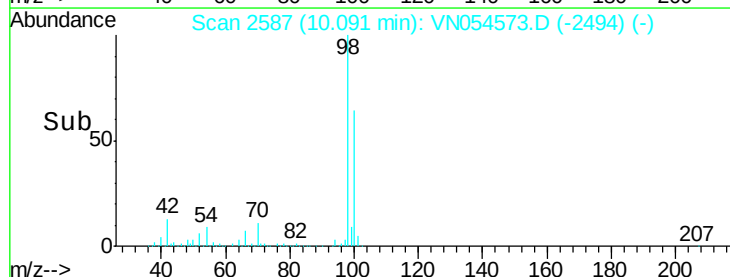
98 100

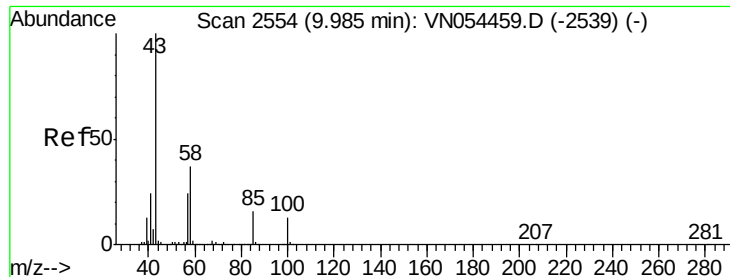
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

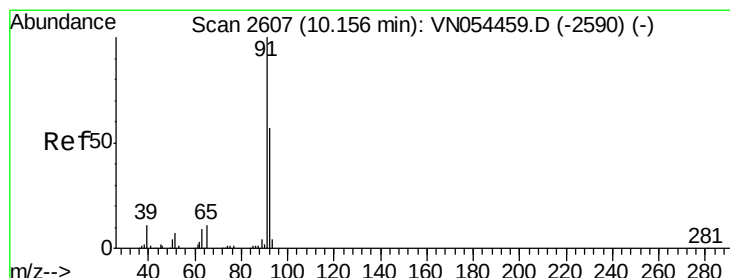
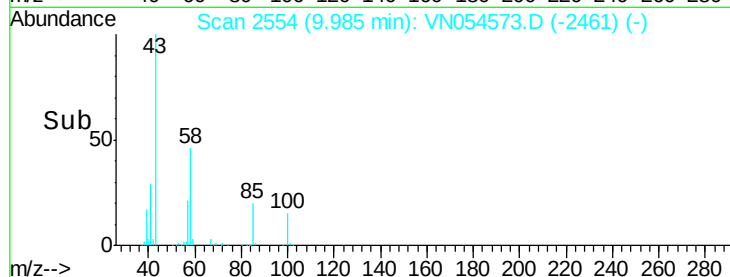
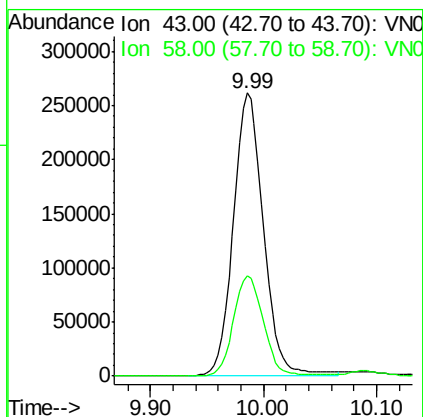
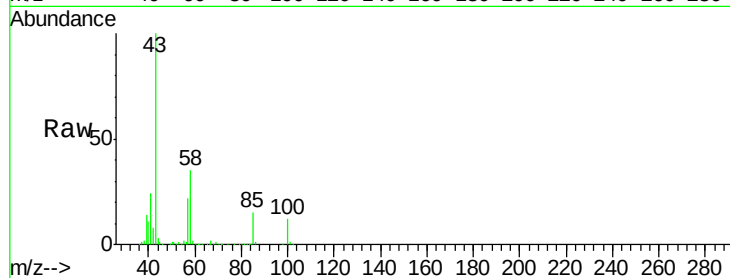




#51
 4-Methyl-2-Pentanone
 Concen: 111.286 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

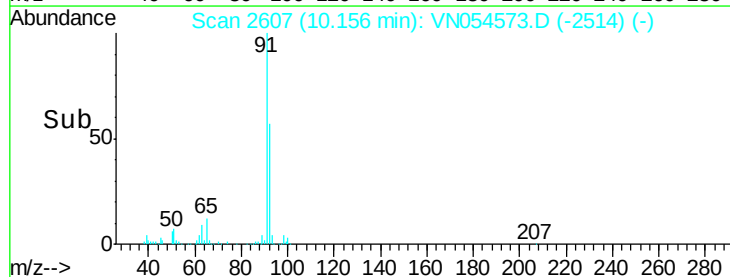
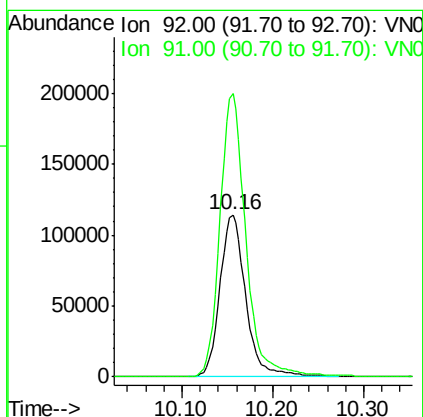
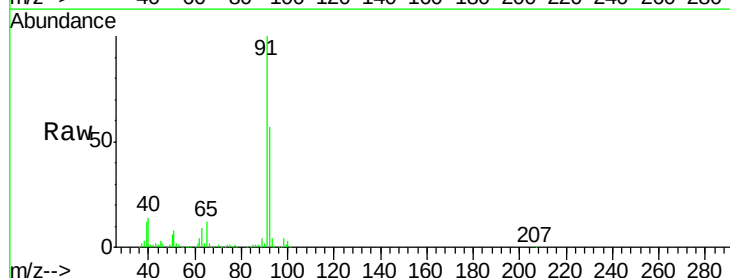
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

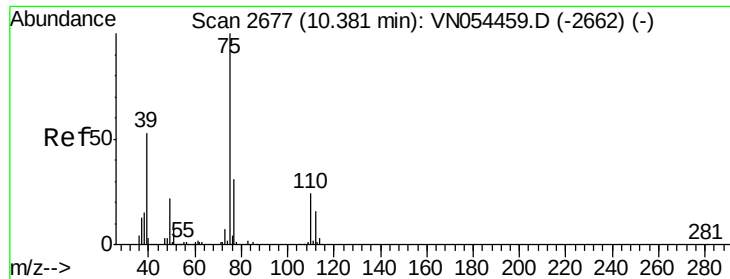
Tot Ion: 43 Resp: 482208
 Ion Ratio Lower Upper
 43 100
 58 35.7 31.8 47.6



#52
 Toluene
 Concen: 19.737 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 92 Resp: 225951
 Ion Ratio Lower Upper
 92 100
 91 175.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.202 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

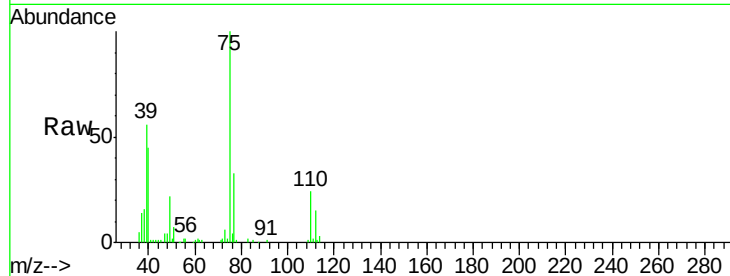
VN0322MBS02

Tot Ion: 75 Resp: 109121

Ion Ratio Lower Upper

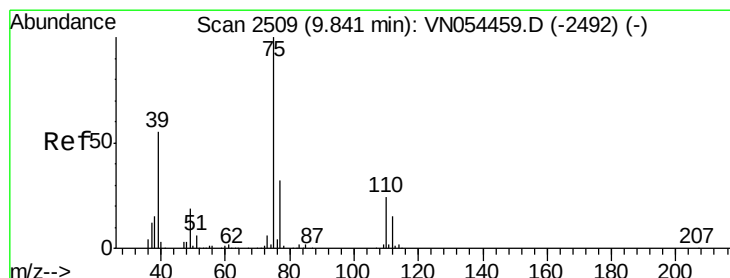
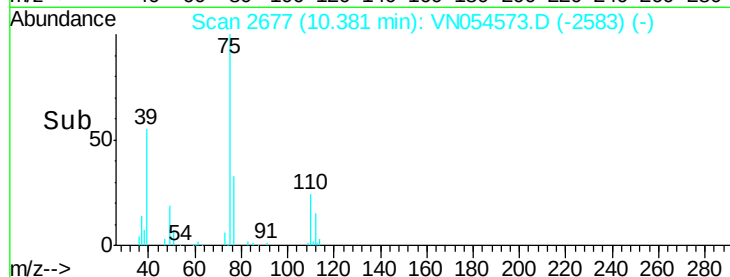
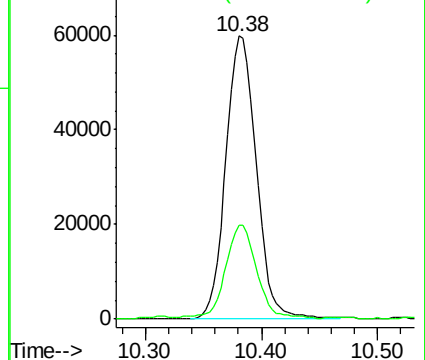
75 100

77 32.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.512 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

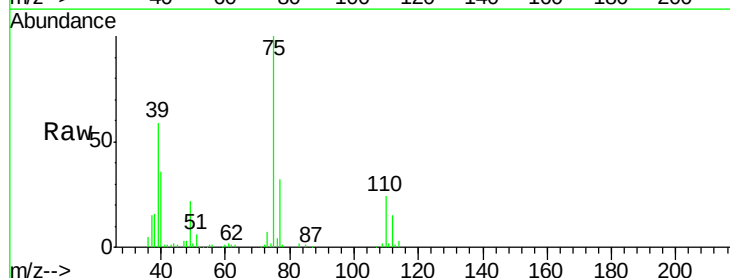
Tgt Ion: 75 Resp: 138441

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

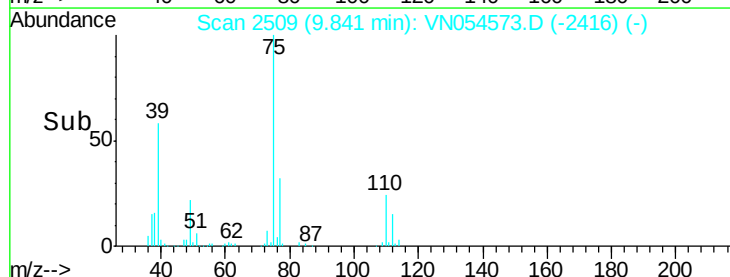
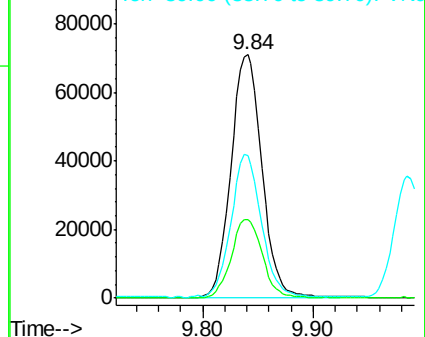
39 58.1 37.2 55.8#

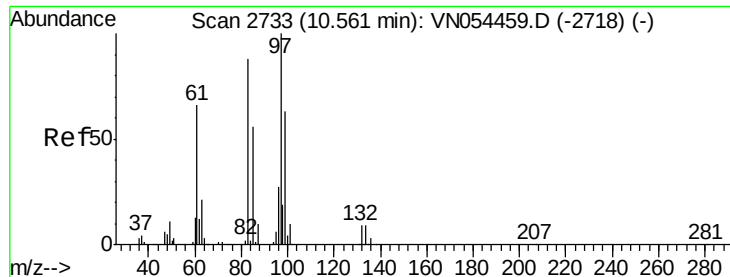


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.605 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

Tot Ion: 97 Resp: 84793

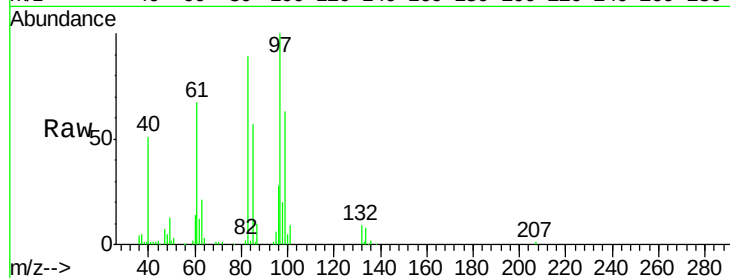
Ion Ratio Lower Upper

97 100

83 89.2 66.6 100.0

85 57.3 44.4 66.6

99 62.7 50.8 76.2

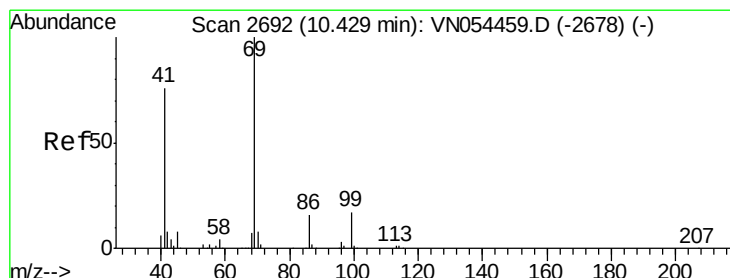
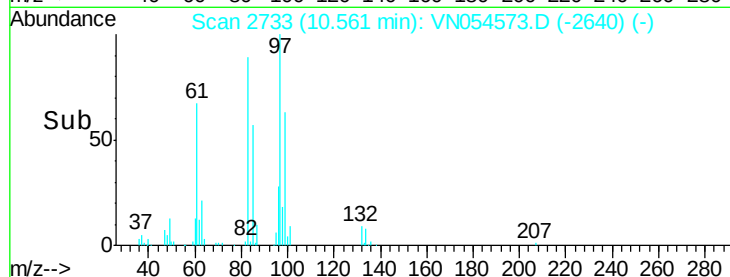
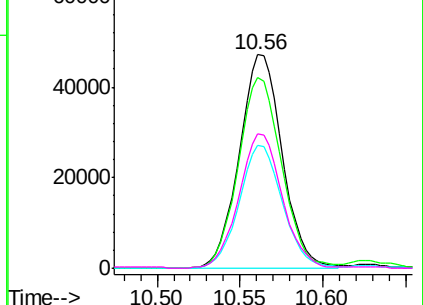


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.850 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

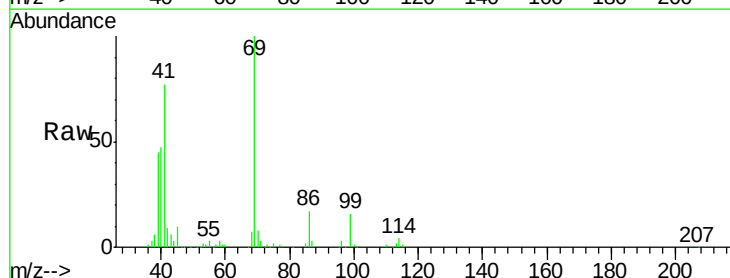
Tgt Ion: 69 Resp: 109639

Ion Ratio Lower Upper

69 100

41 76.1 49.4 74.2#

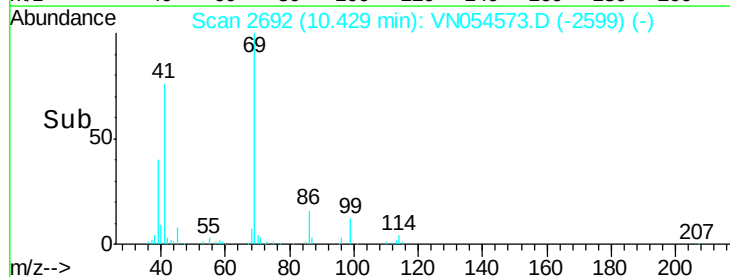
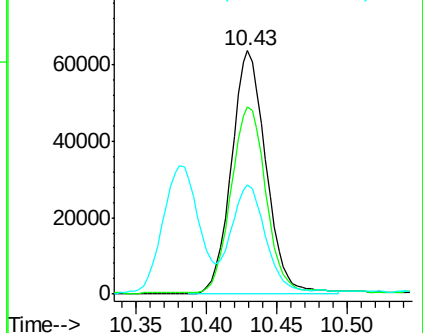
39 42.7 28.3 42.5#

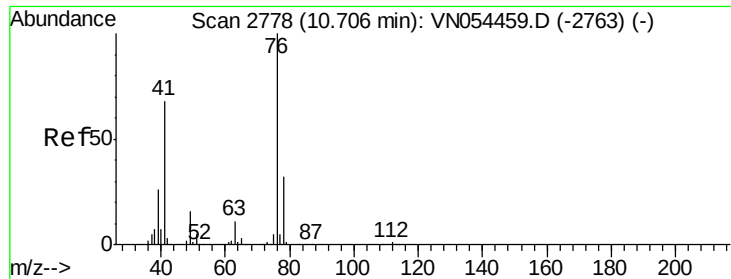


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

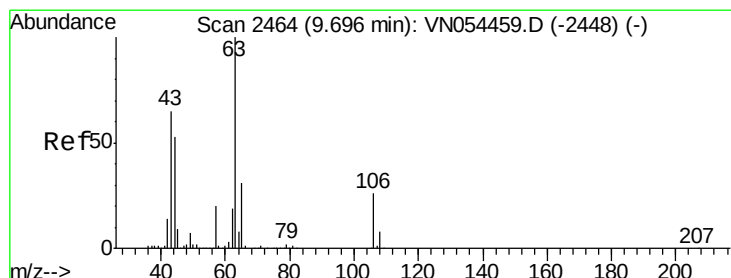
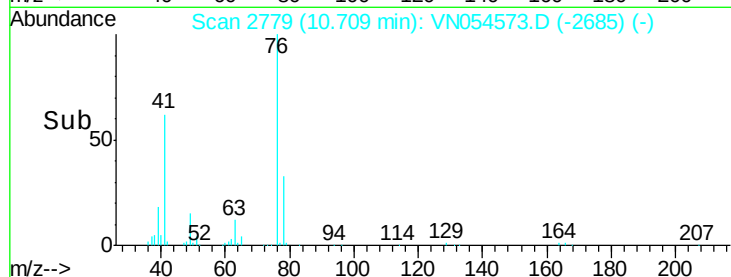
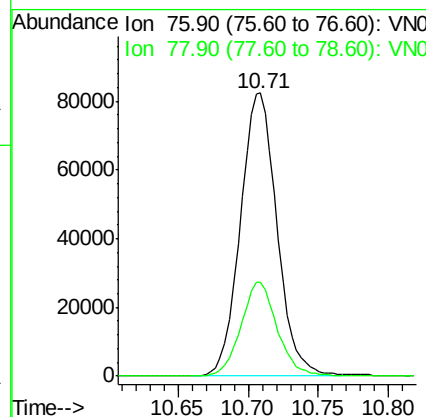
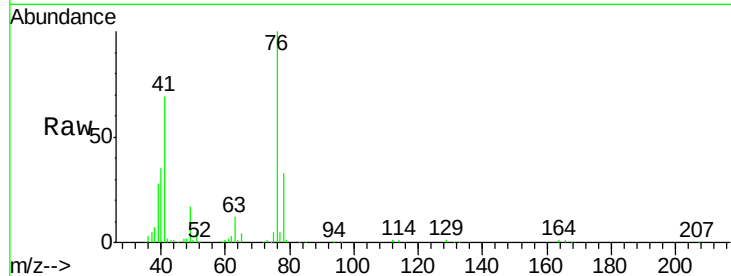




#57
 1,3-Dichloropropane
 Concen: 20.972 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

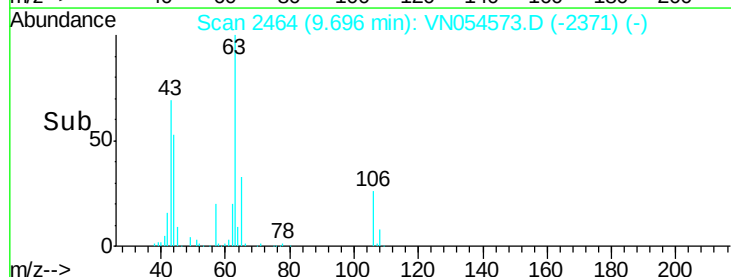
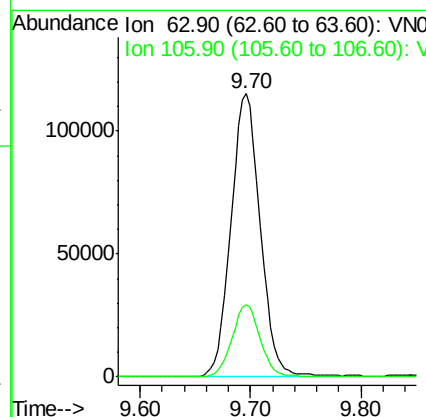
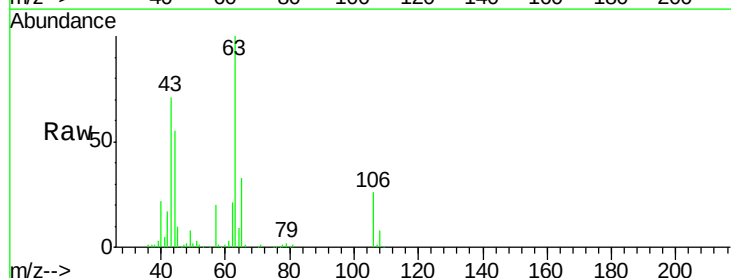
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

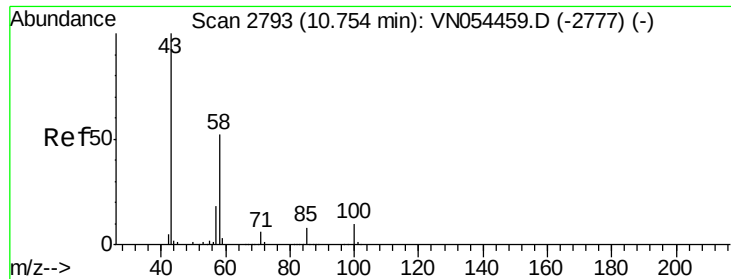
Tot Ion: 76 Resp: 150023
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.283 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 63 Resp: 212160
 Ion Ratio Lower Upper
 63 100
 106 24.6 24.4 36.6

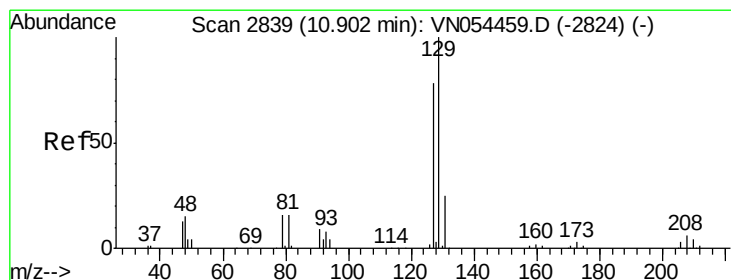
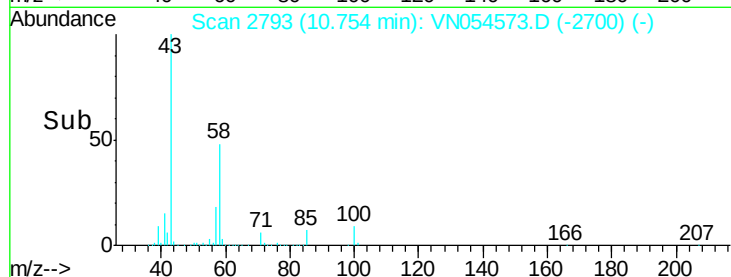
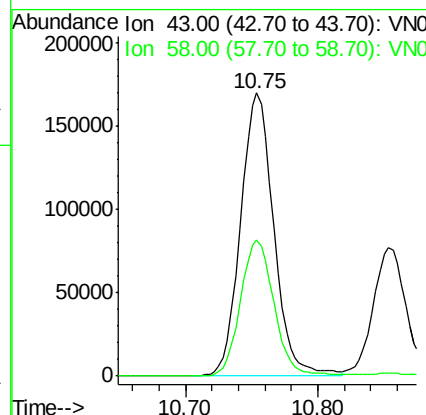
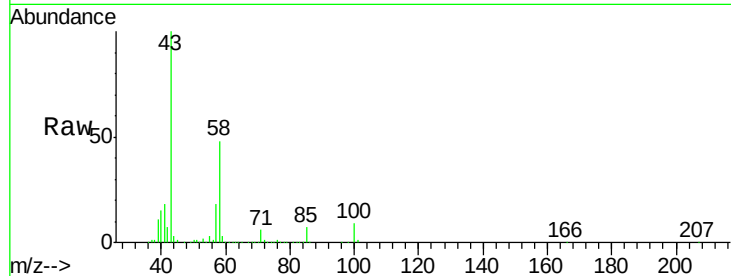




#59
2-Hexanone
Concen: 103.558 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

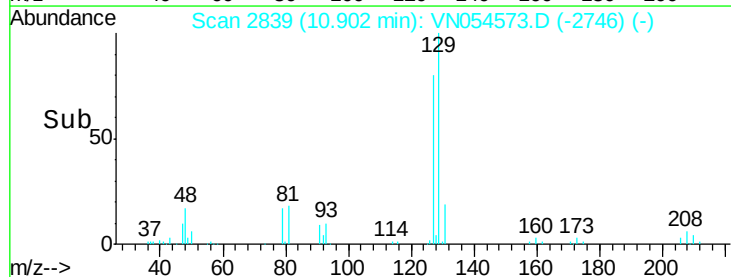
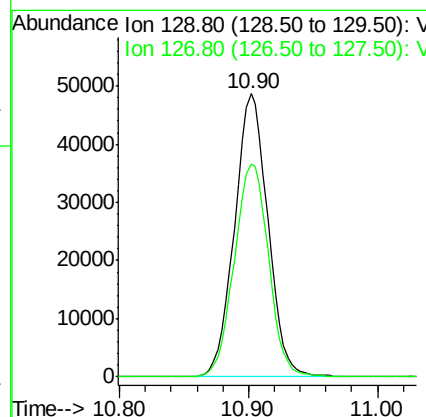
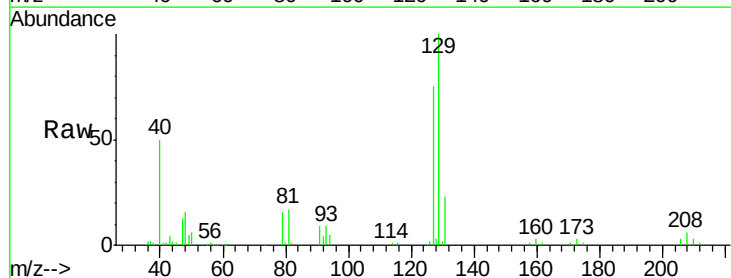
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

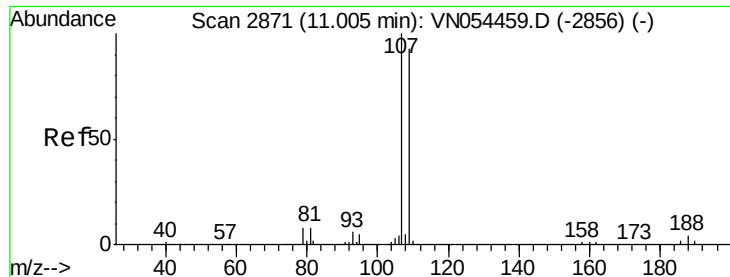
Tot Ion: 43 Resp: 293102
Ion Ratio Lower Upper
43 100
58 49.3 28.0 83.9



#60
Dibromochloromethane
Concen: 19.946 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 129 Resp: 87342
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

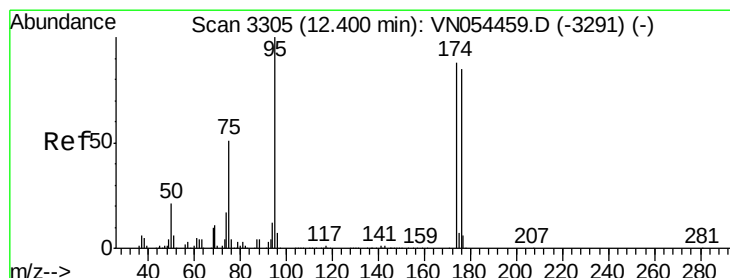
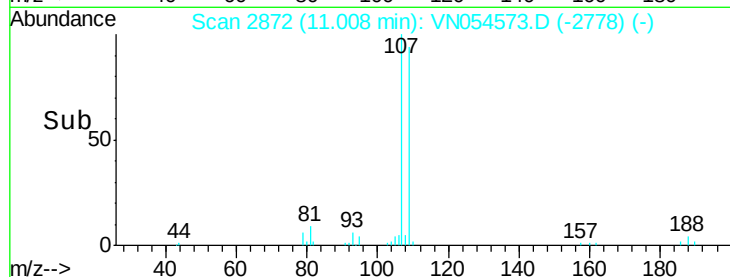
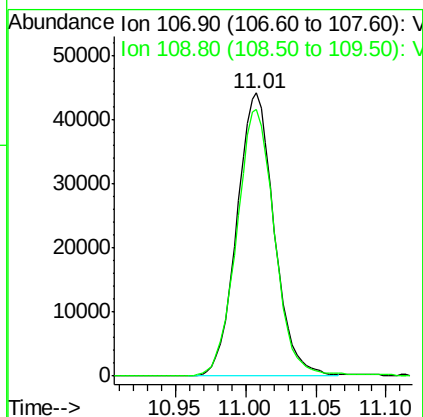
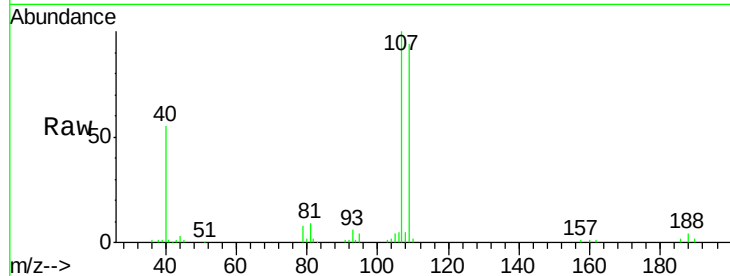




#61
 1,2-Dibromoethane
 Concen: 20.119 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

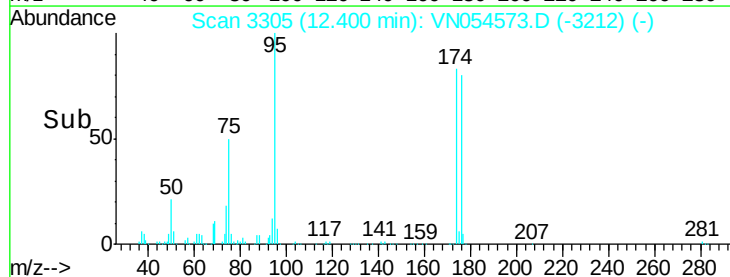
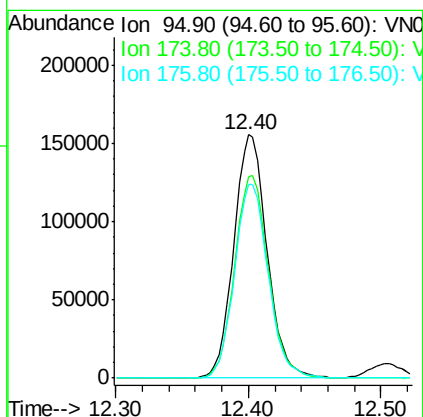
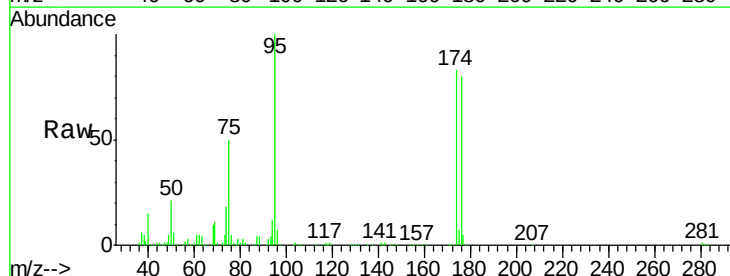
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

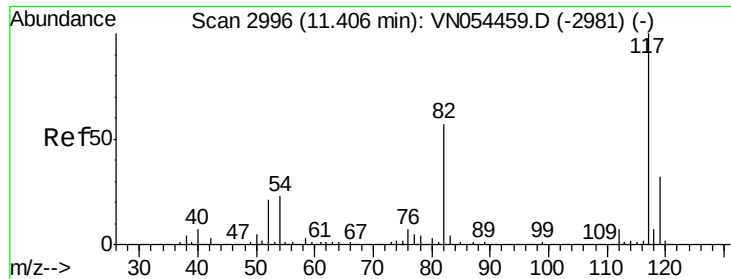
Tot Ion:107 Resp: 81851
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.238 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion: 95 Resp: 271022
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 80.6 0.0 187.4

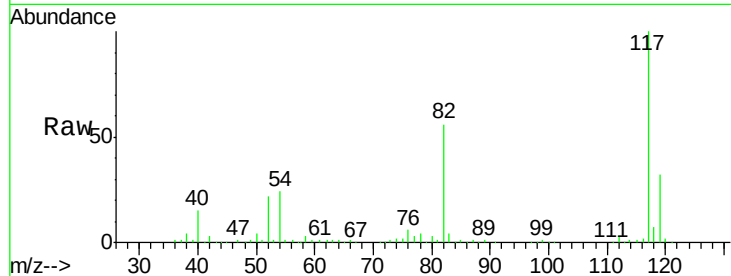




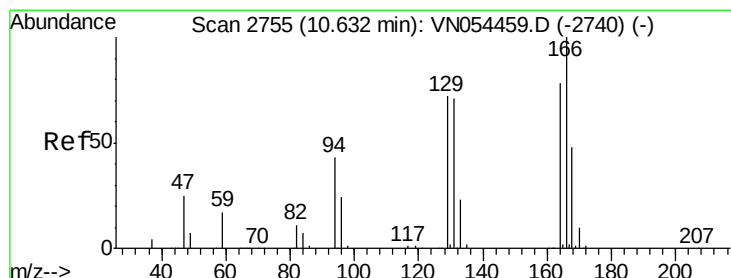
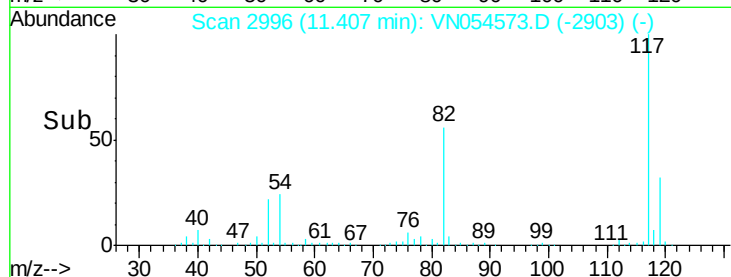
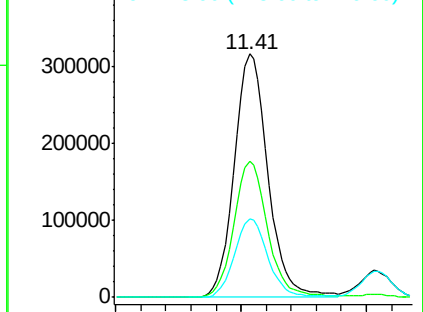
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

Tot Ion:117 Resp: 592886
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.2 25.8 38.6

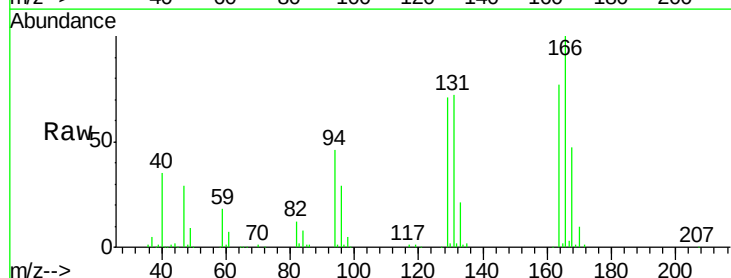


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

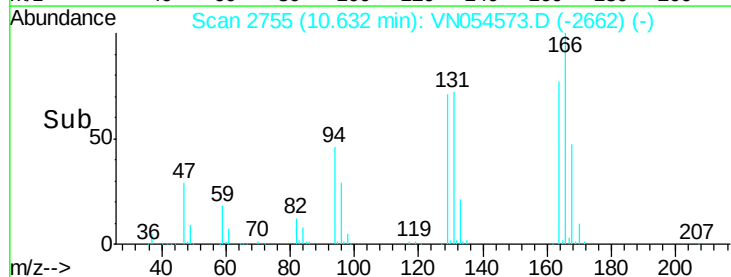
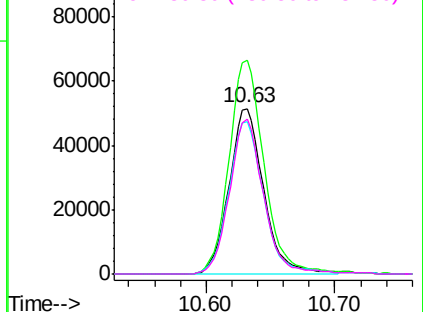


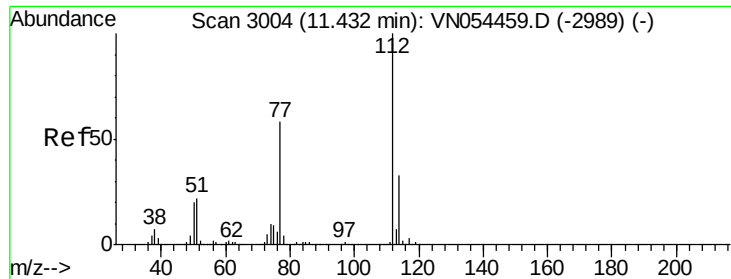
#64
Tetrachloroethene
Concen: 19.466 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion:164 Resp: 95730
Ion Ratio Lower Upper
164 100
166 129.2 103.9 155.9
129 91.8 71.1 106.7
131 93.5 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.323 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampled :

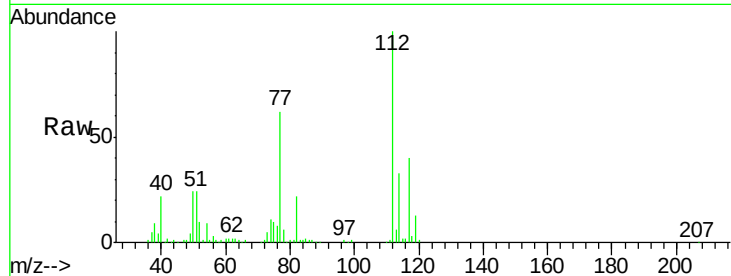
VN0322MBS02

Tot Ion:112 Resp: 233005

Ion Ratio Lower Upper

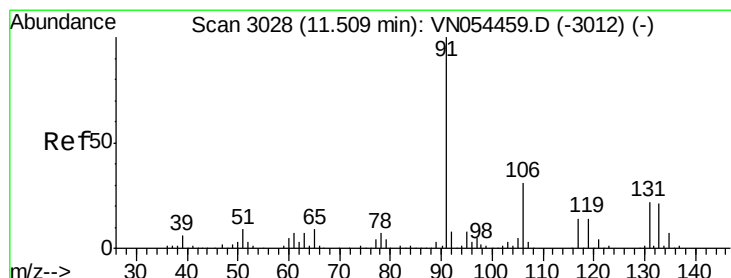
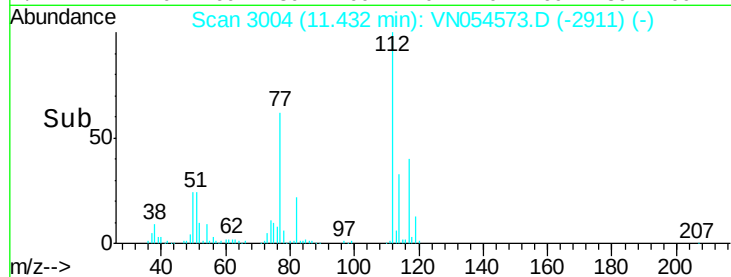
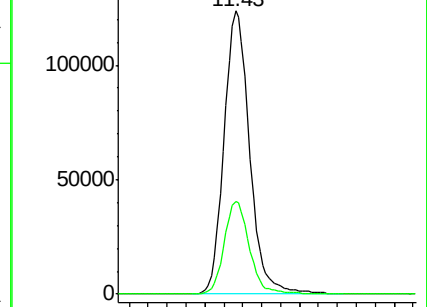
112 100

114 32.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.064 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

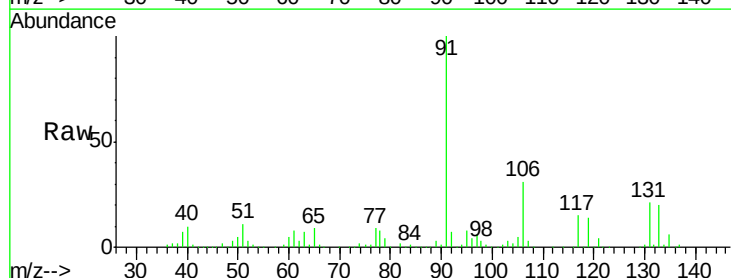
Tgt Ion:131 Resp: 86843

Ion Ratio Lower Upper

131 100

133 99.0 47.6 142.9

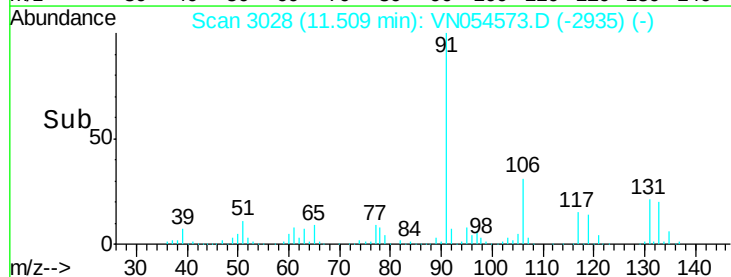
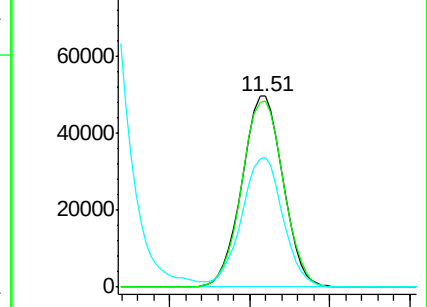
119 68.4 32.4 97.0

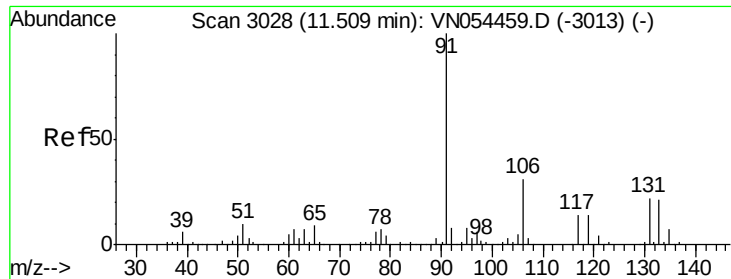


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

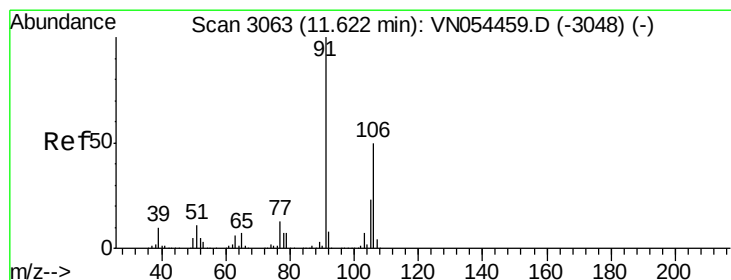
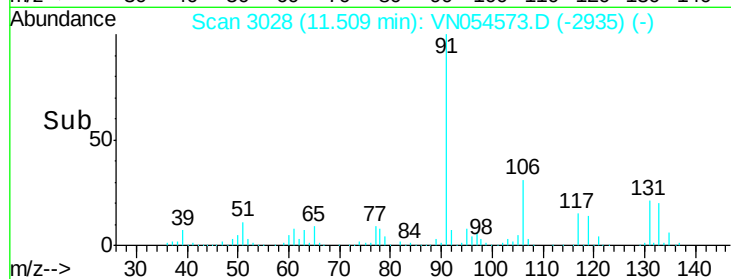
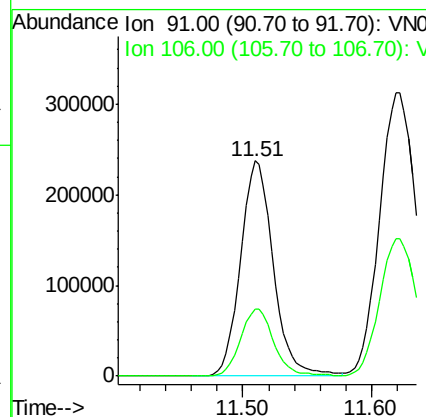
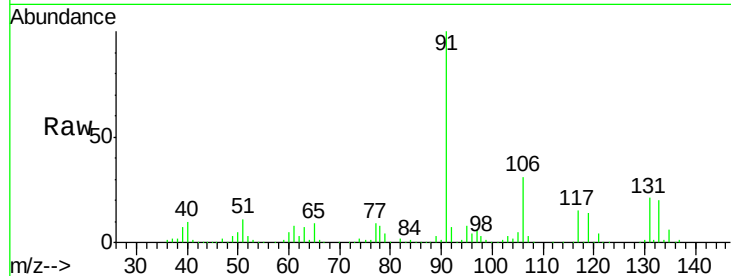




#67
Ethyl Benzene
Concen: 19.725 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

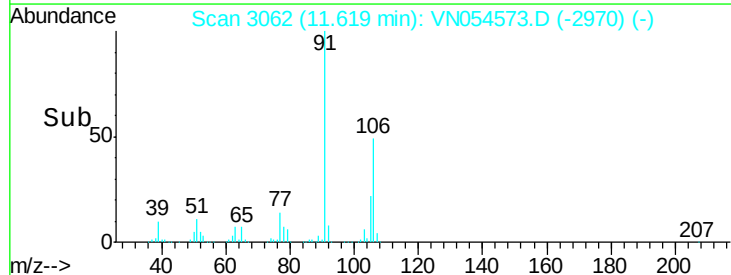
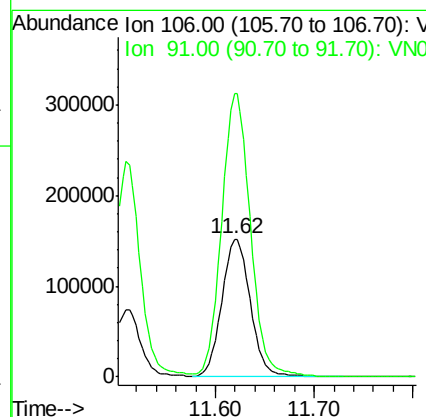
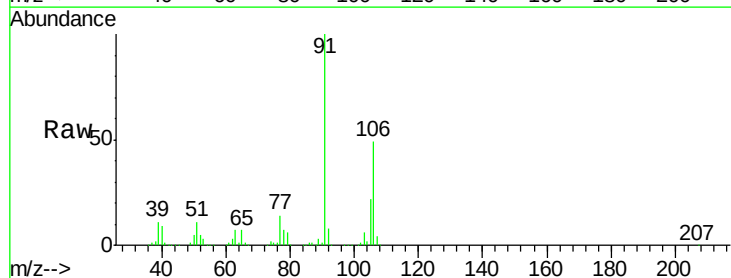
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

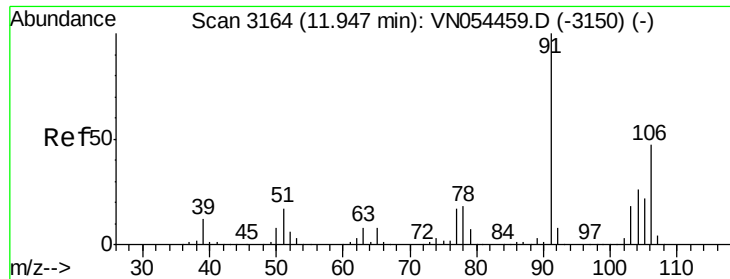
Tot Ion: 91 Resp: 420166
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 38.496 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion: 106 Resp: 310595
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2

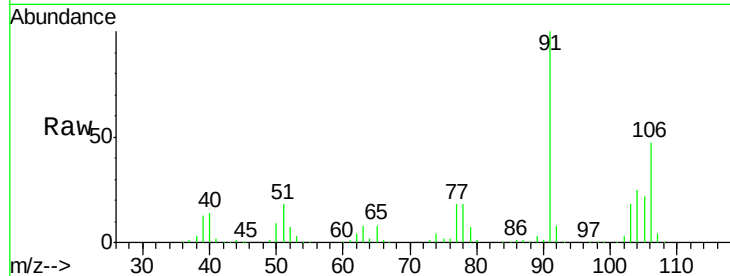




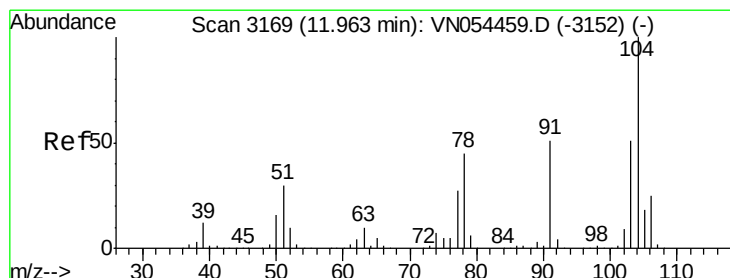
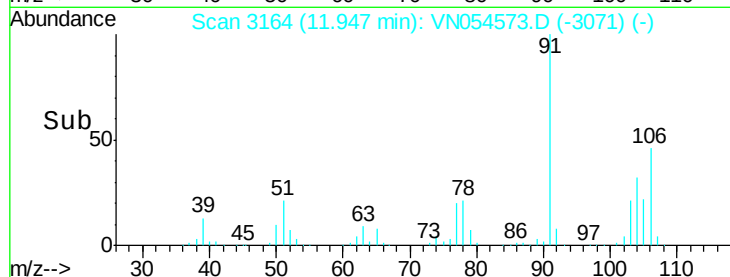
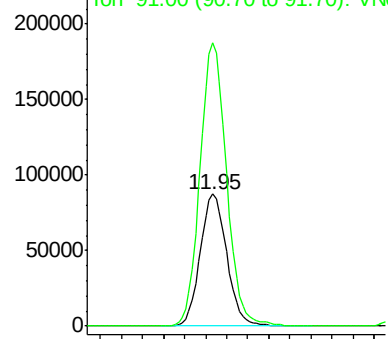
#69
o-Xylene
Concen: 19.425 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Instrument :
MSVOA_N
ClientSampled :
VN0322MBS02

Tot Ion:106 Resp: 153055
Ion Ratio Lower Upper
106 100
91 213.5 105.7 317.1

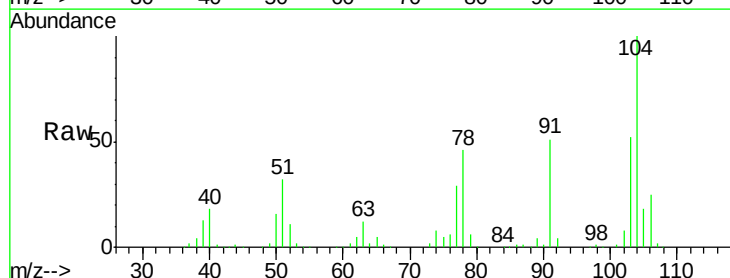


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

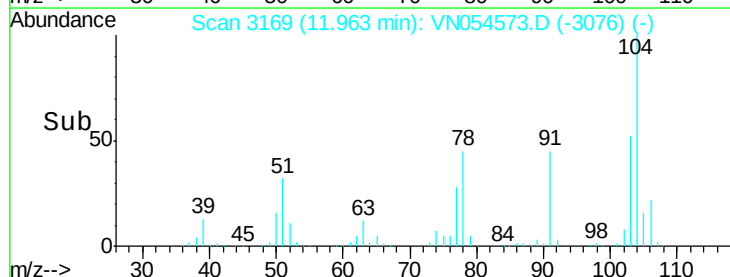
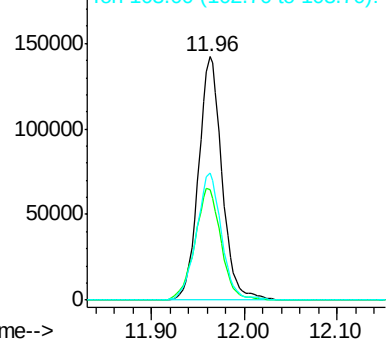


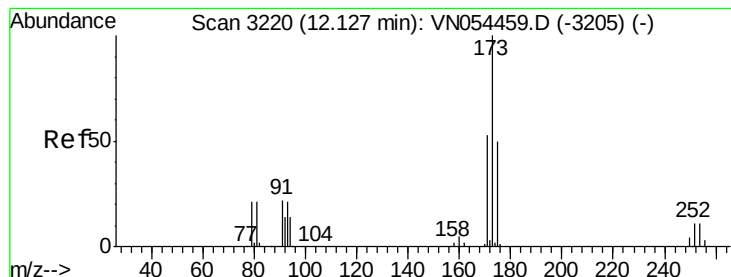
#70
Styrene
Concen: 19.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion:104 Resp: 249396
Ion Ratio Lower Upper
104 100
78 51.2 38.2 57.2
103 55.8 44.4 66.6



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





#71

Bromoform

Concen: 18.237 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

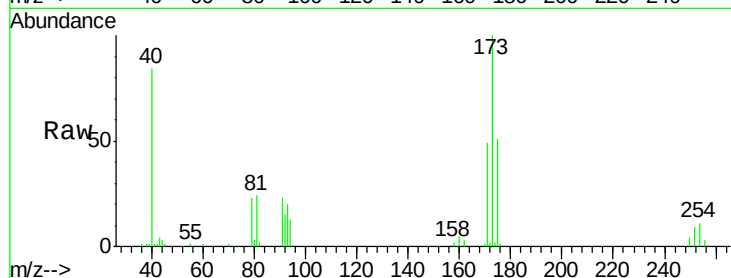
Tot Ion:173 Resp: 50014

Ion Ratio Lower Upper

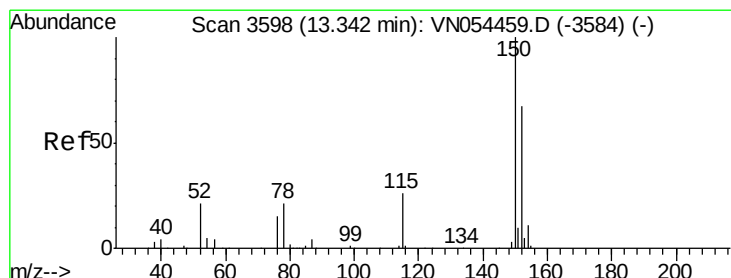
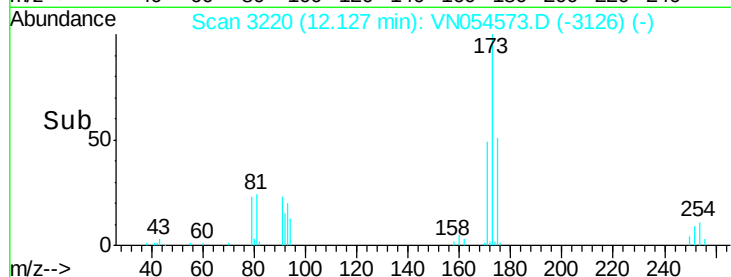
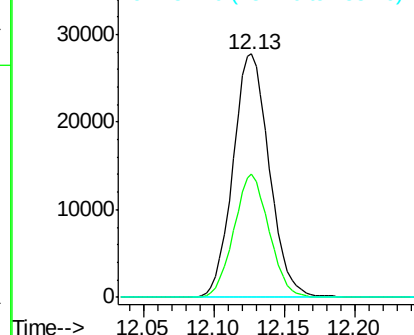
173 100

175 48.8 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

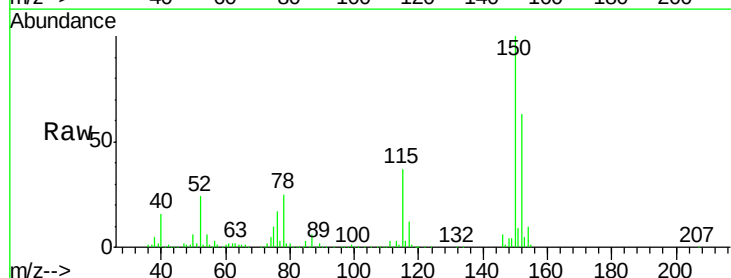
Tgt Ion:152 Resp: 239514

Ion Ratio Lower Upper

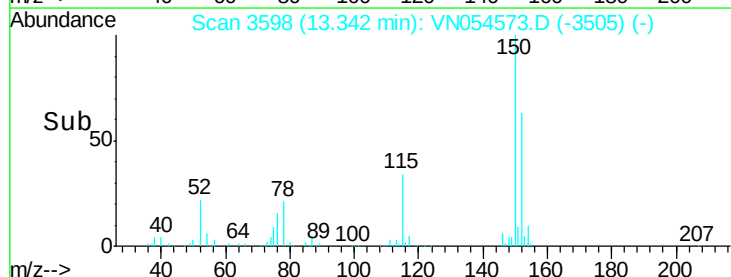
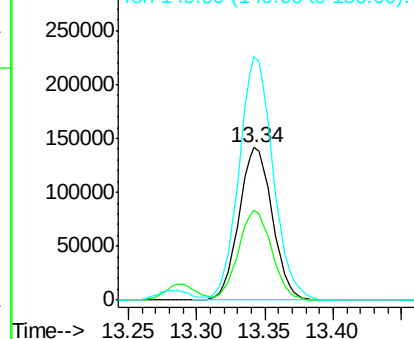
152 100

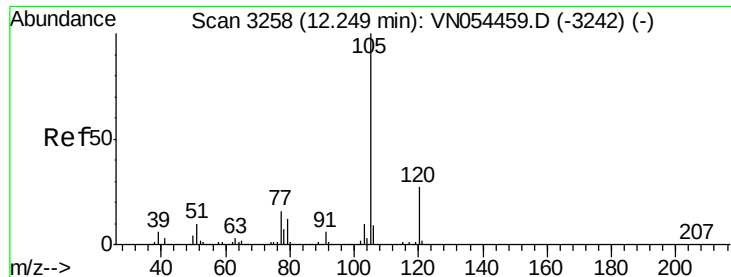
115 58.8 27.2 81.6

150 163.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.704 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

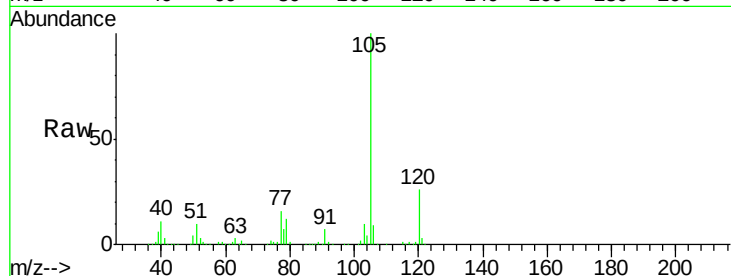
VN0322MBS02

Tot Ion:105 Resp: 399596

Ion Ratio Lower Upper

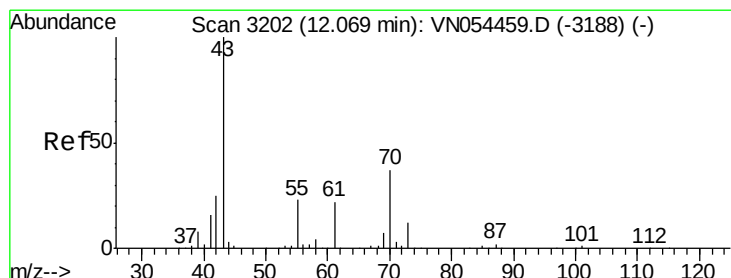
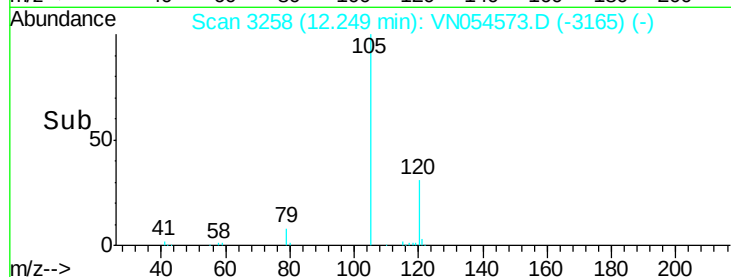
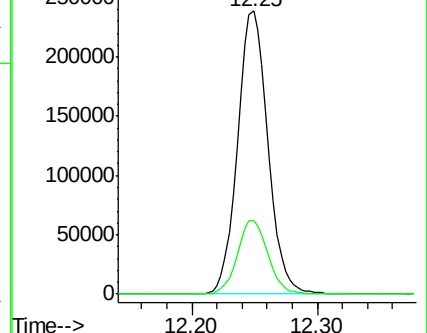
105 100

120 26.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.499 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Tgt Ion: 43 Resp: 124858

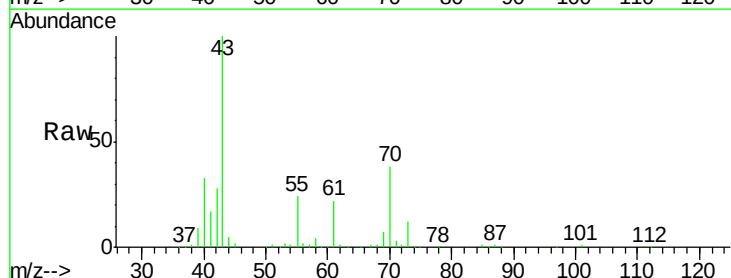
Ion Ratio Lower Upper

43 100

70 37.1 35.4 53.0

55 23.6 19.8 29.6

61 21.5 19.8 29.6

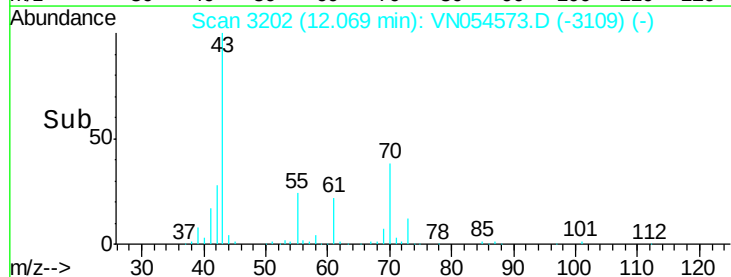
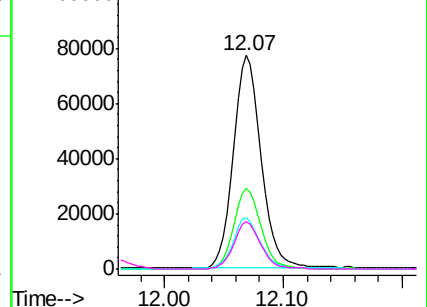


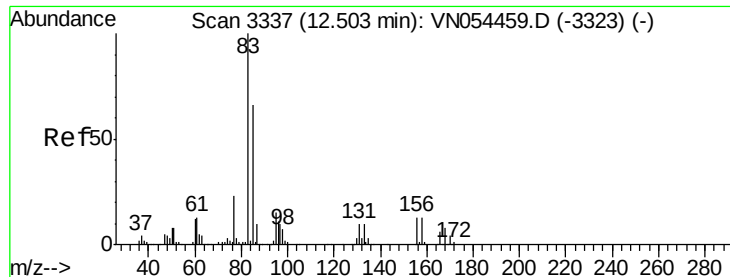
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 23.362 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

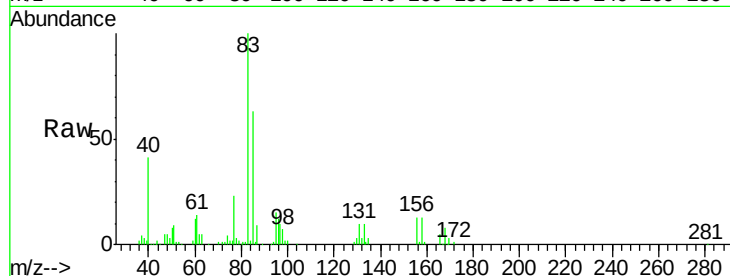
Tot Ion: 83 Resp: 102931

Ion Ratio Lower Upper

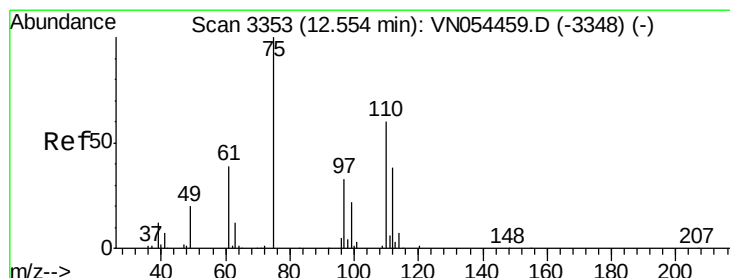
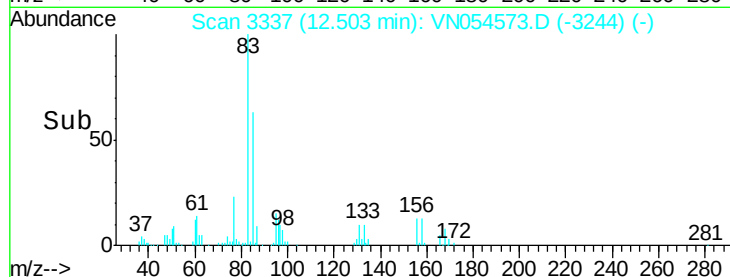
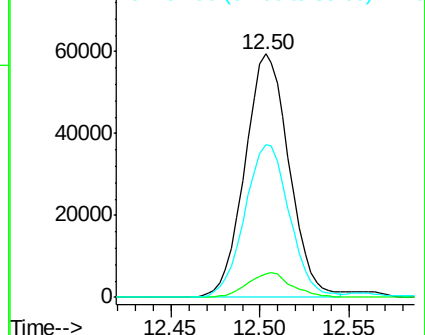
83 100

131 9.9 5.8 17.4

85 63.5 32.2 96.6



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



#76

1,2,3-Trichloropropane

Concen: 31.086 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054573.D

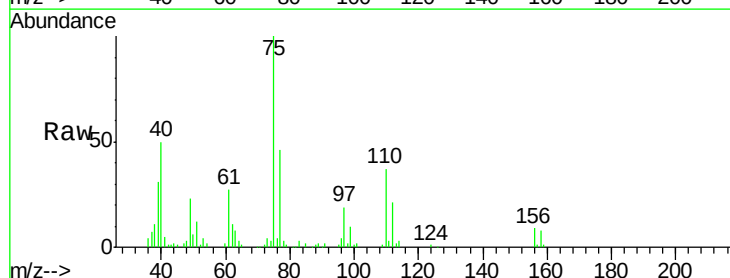
Acq: 22 Mar 2019 23:07

Tgt Ion: 75 Resp: 118151

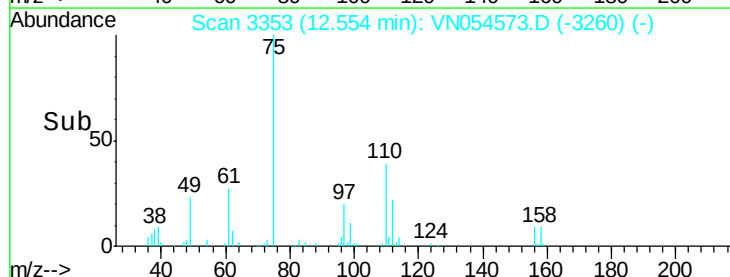
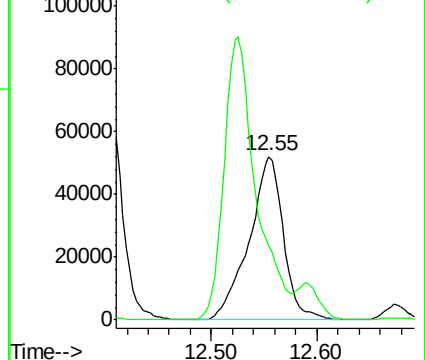
Ion Ratio Lower Upper

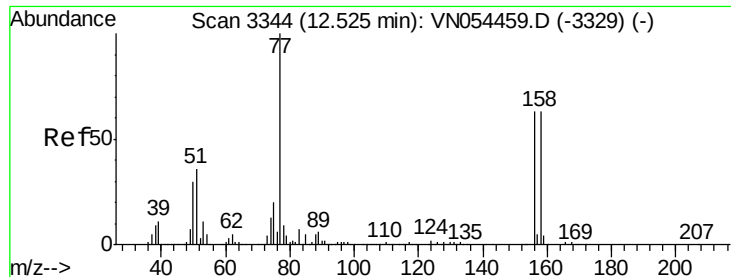
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.486 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

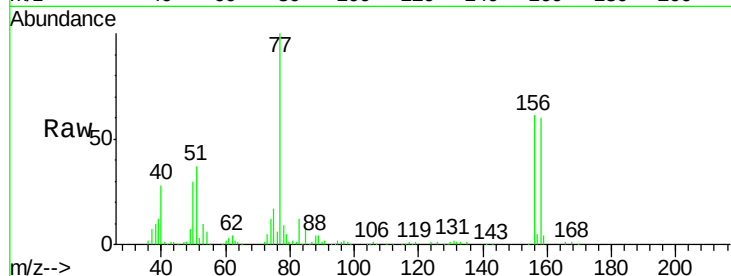
Tot Ion:156 Resp: 98061

Ion Ratio Lower Upper

156 100

77 194.0 81.5 244.4

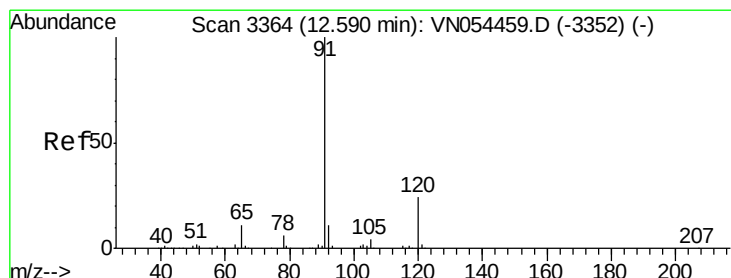
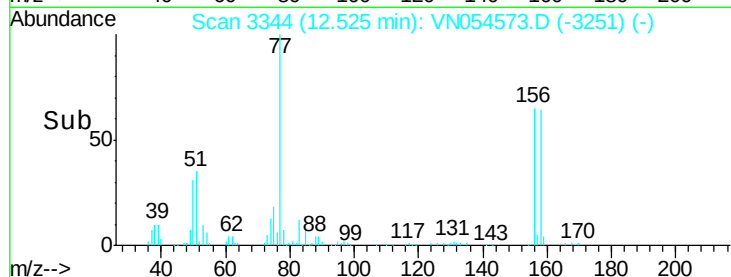
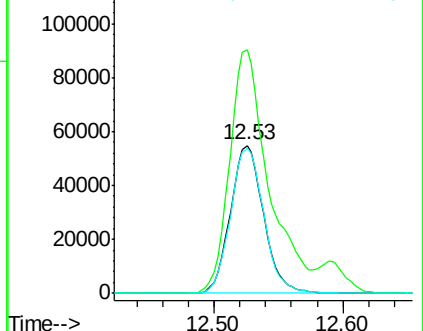
158 98.8 49.0 147.2



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: 20.717 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054573.D

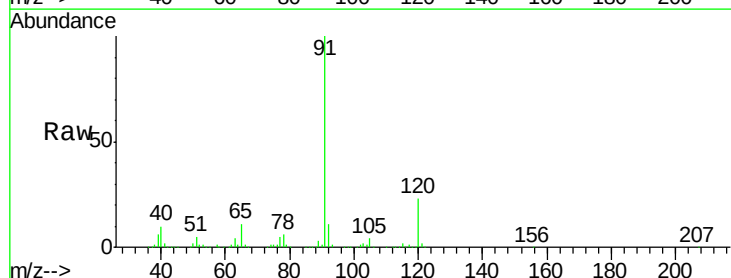
Acq: 22 Mar 2019 23:07

Tgt Ion: 91 Resp: 433573

Ion Ratio Lower Upper

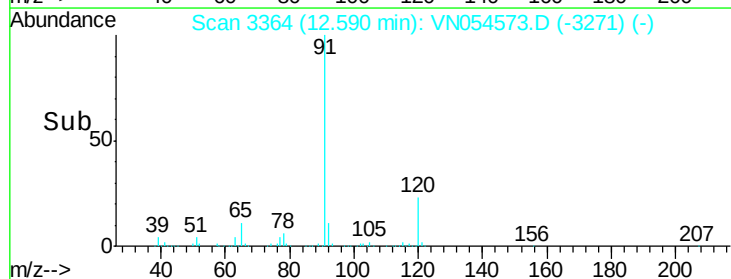
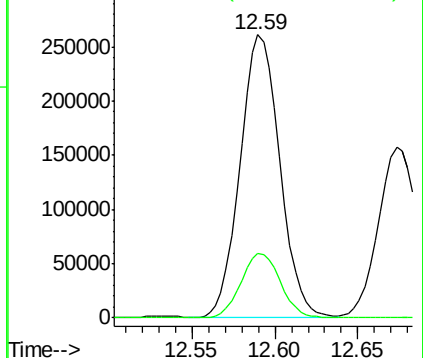
91 100

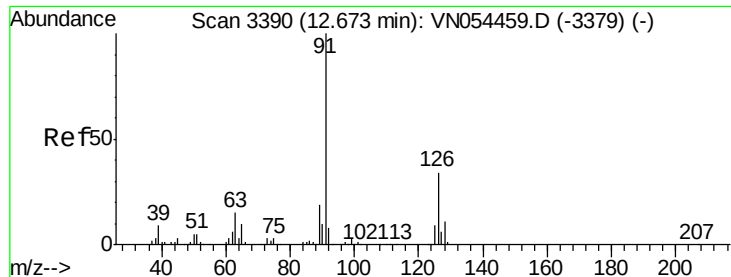
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.409 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

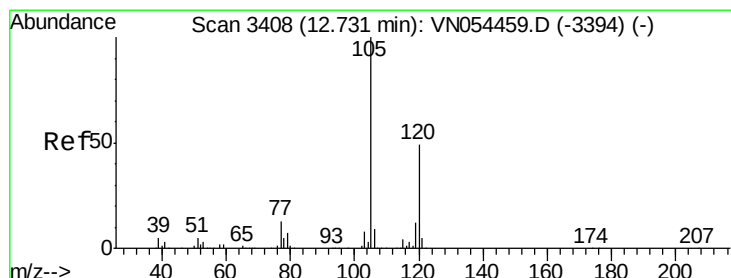
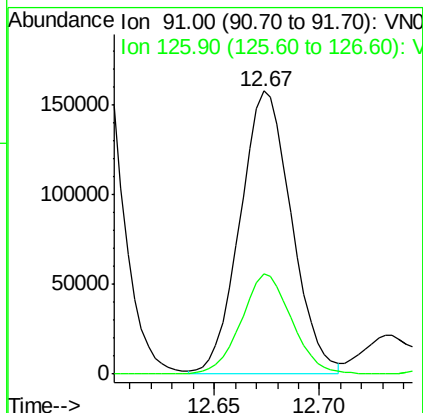
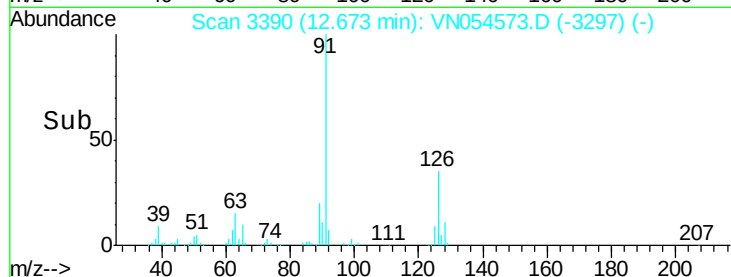
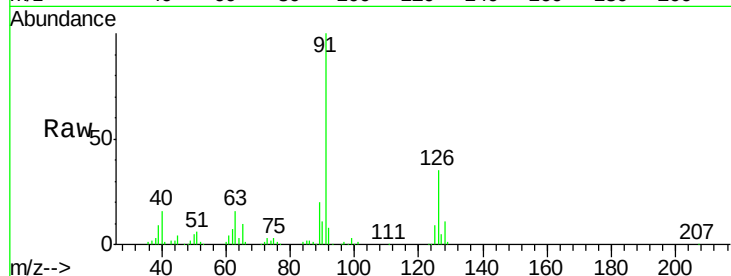
VN0322MBS02

Tot Ion: 91 Resp: 266354

Ion Ratio Lower Upper

91 100

126 35.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.825 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054573.D

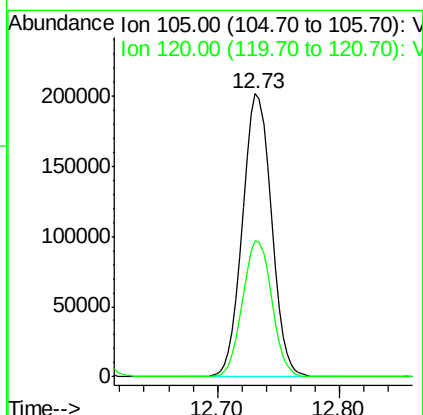
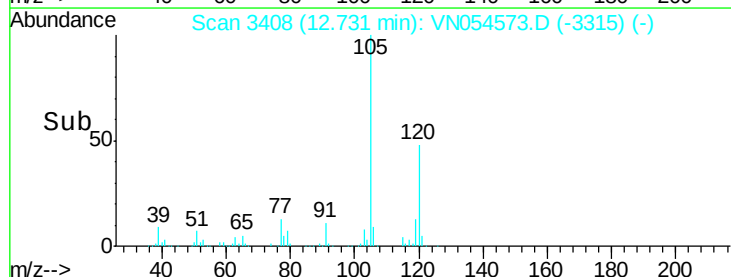
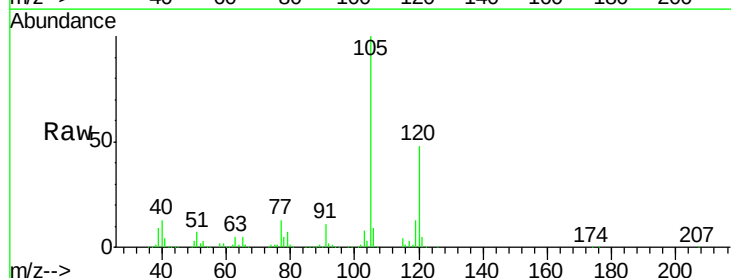
Acq: 22 Mar 2019 23:07

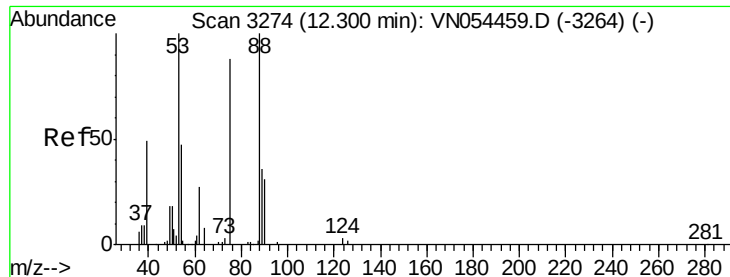
Tgt Ion: 105 Resp: 329424

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.202 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

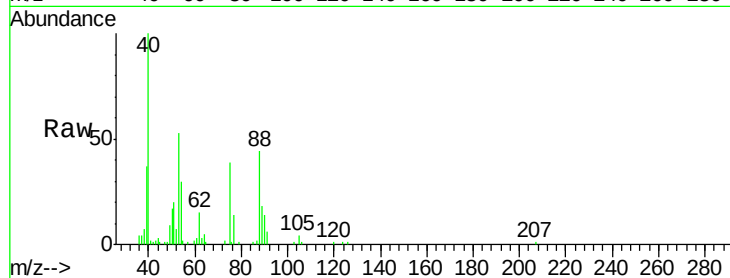
Tot Ion: 75 Resp: 16516

Ion Ratio Lower Upper

75 100

53 132.3 76.2 114.2#

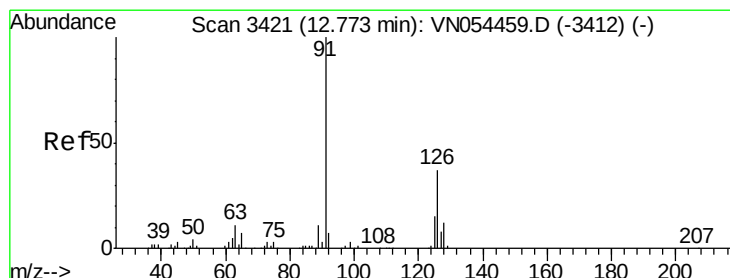
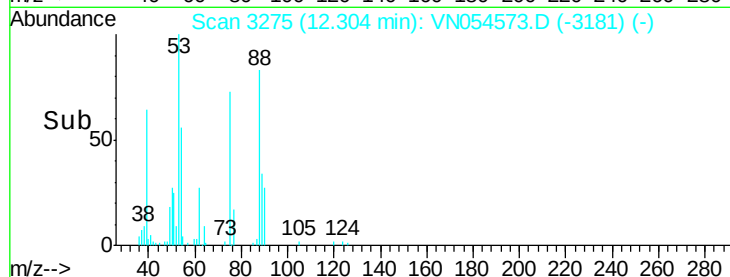
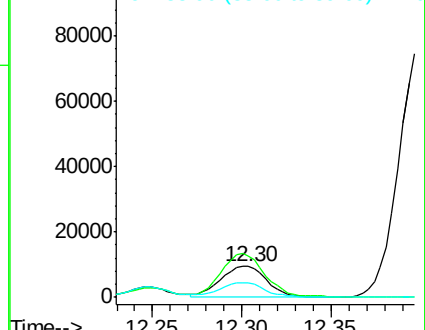
89 47.9 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.376 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054573.D

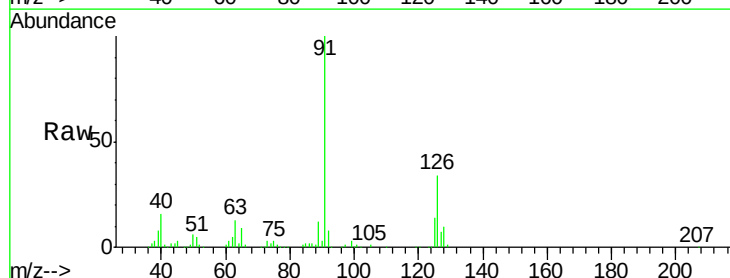
Acq: 22 Mar 2019 23:07

Tgt Ion: 91 Resp: 257770

Ion Ratio Lower Upper

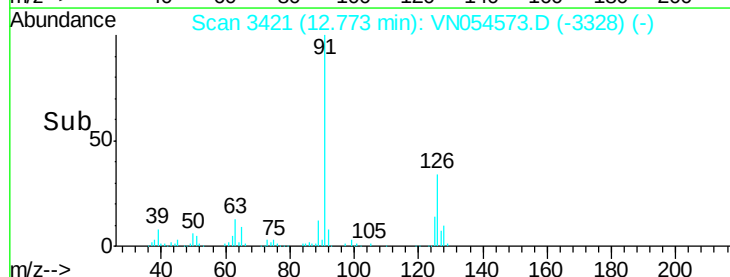
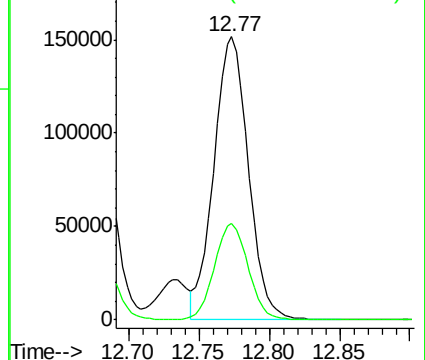
91 100

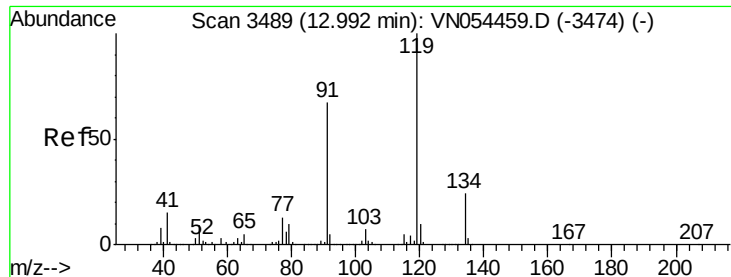
126 33.4 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

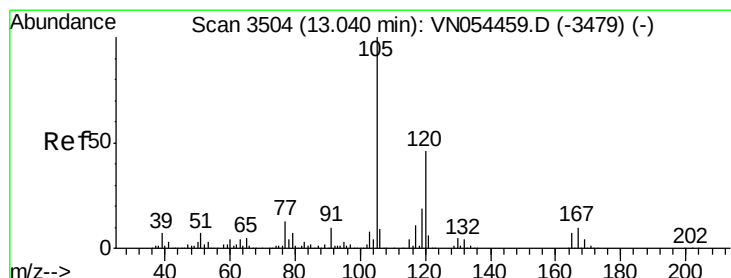
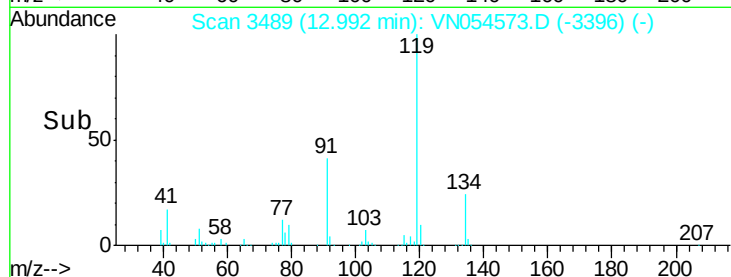
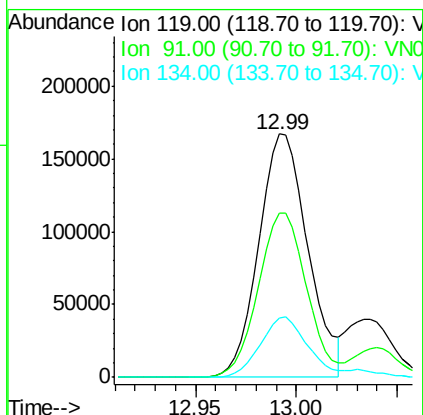
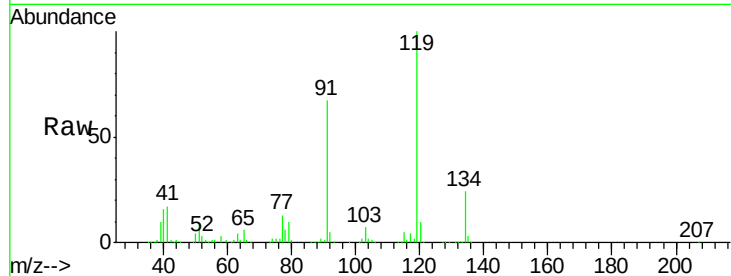




#83
tert-Butylbenzene
Concen: 20.629 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

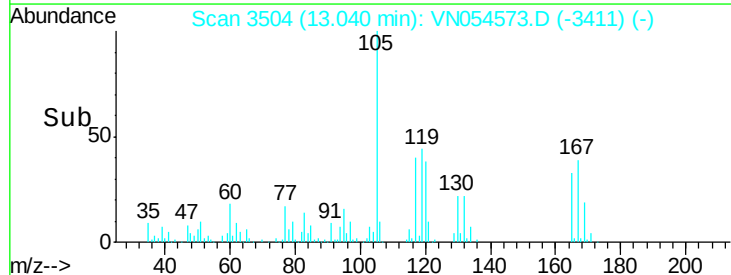
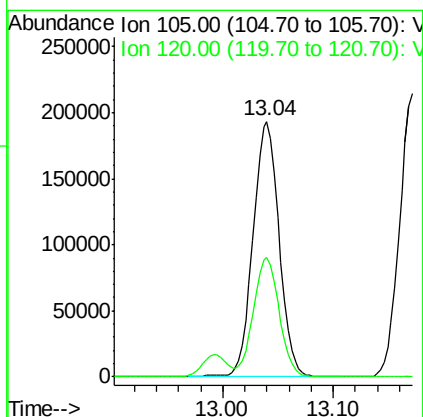
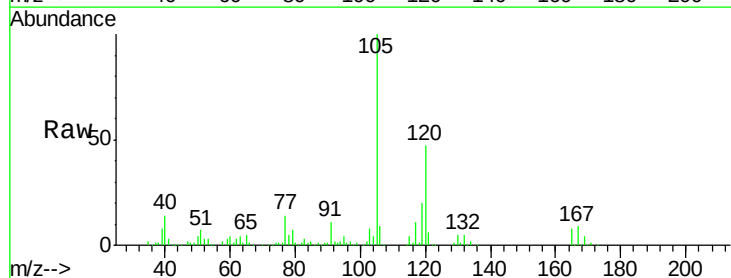
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBS02

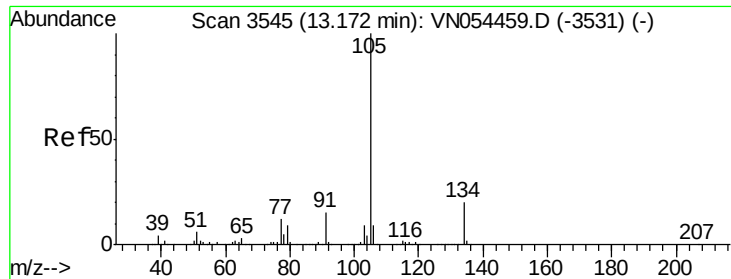
Tot Ion:119 Resp: 284040
Ion Ratio Lower Upper
119 100
91 66.0 30.9 92.8
134 24.1 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.416 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054573.D
Acq: 22 Mar 2019 23:07

Tgt Ion:105 Resp: 316892
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

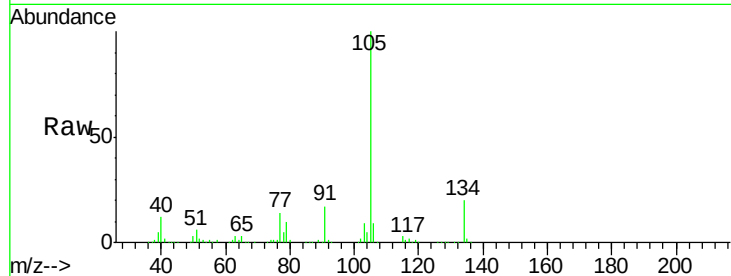
VN0322MBS02

Tot Ion:105 Resp: 346254

Ion Ratio Lower Upper

105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

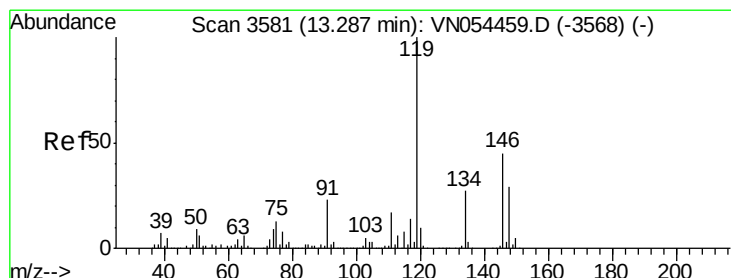
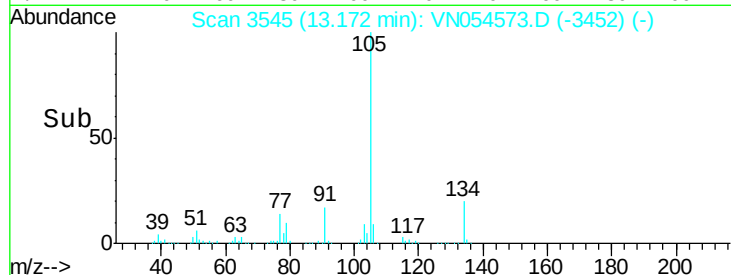
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.812 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

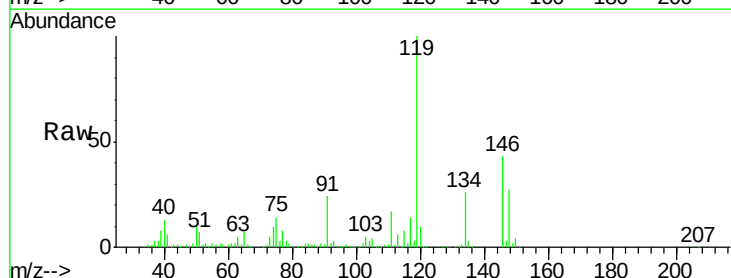
Tgt Ion:119 Resp: 304234

Ion Ratio Lower Upper

119 100

134 25.8 13.6 40.8

91 23.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

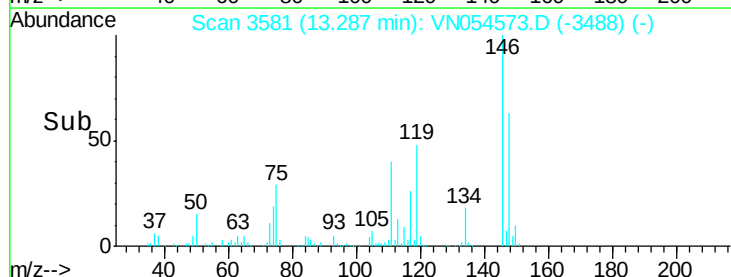
100000

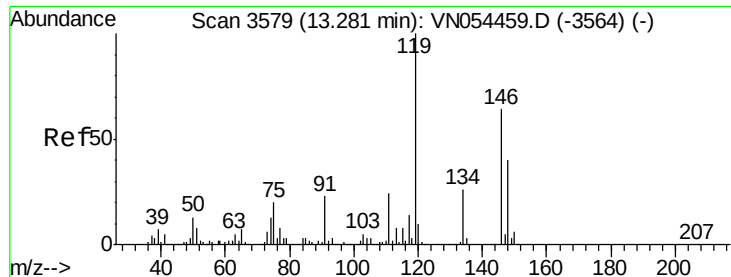
50000

0

13.25 13.30 13.35

Time-->

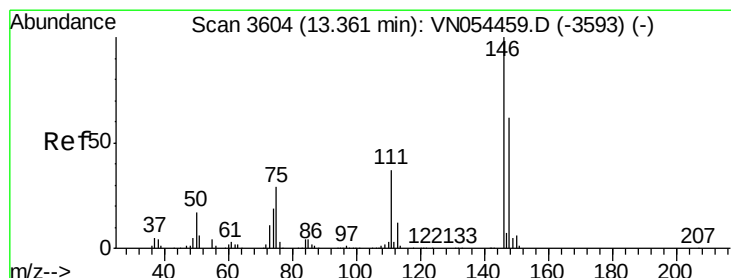
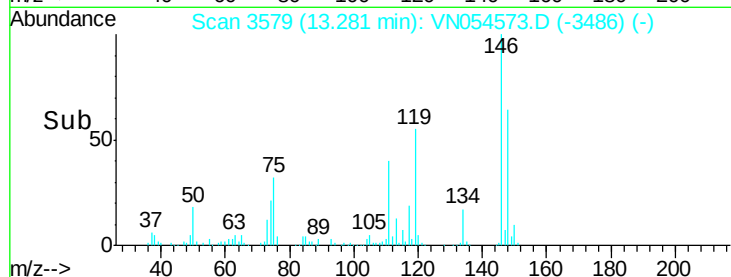
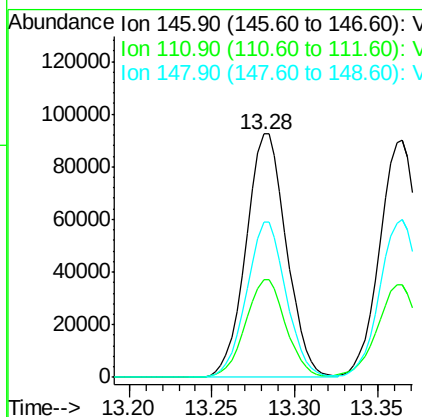
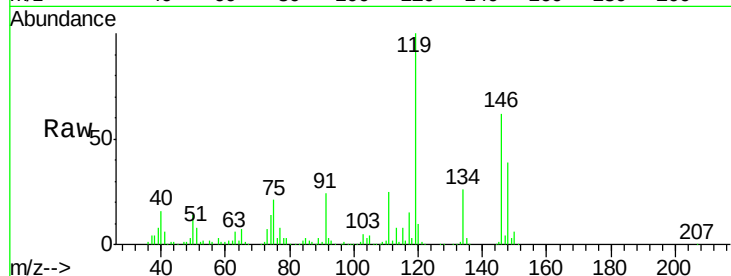




#87
 1,3-Dichlorobenzene
 Concen: 19.759 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

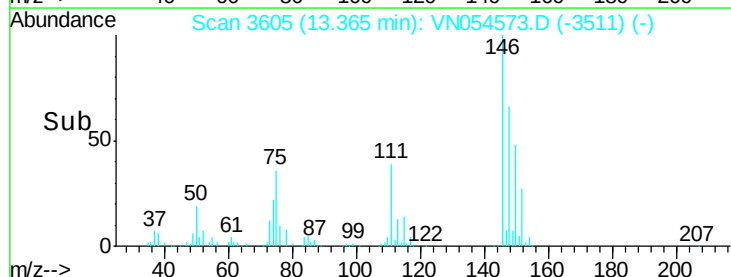
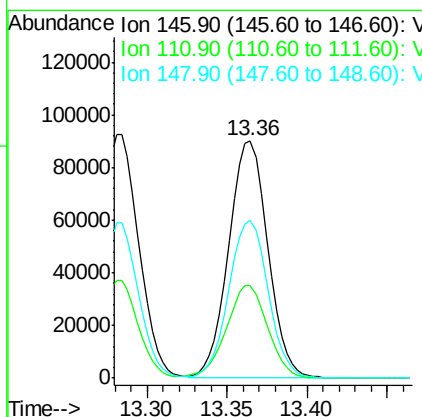
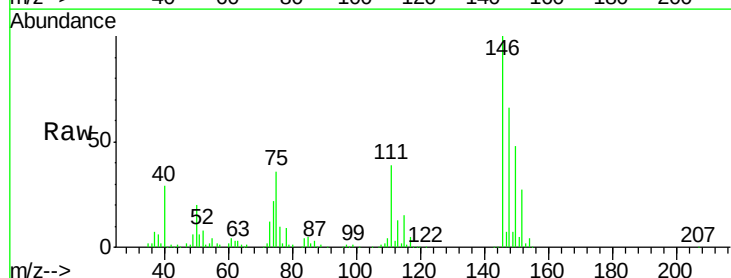
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBS02

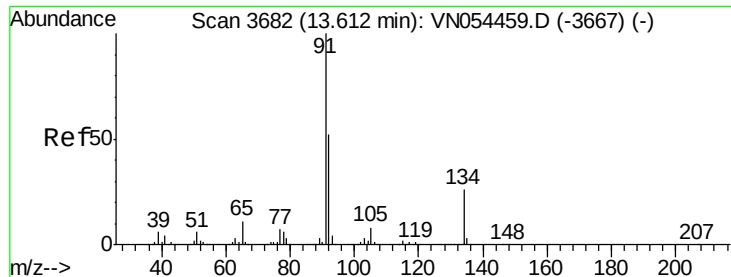
Tot Ion:146 Resp: 156736
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.8 56.3
 148 62.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.546 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion:146 Resp: 150853
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.1 54.1
 148 66.9 32.0 96.0





#89

n-Butylbenzene

Concen: 18.729 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

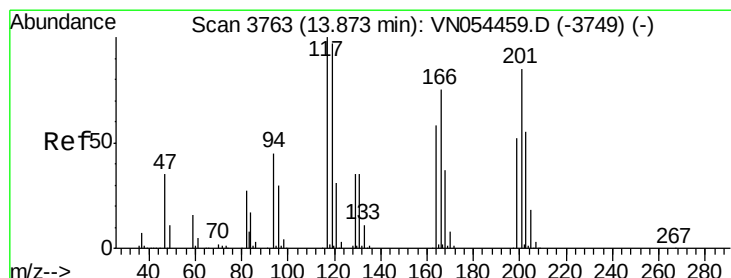
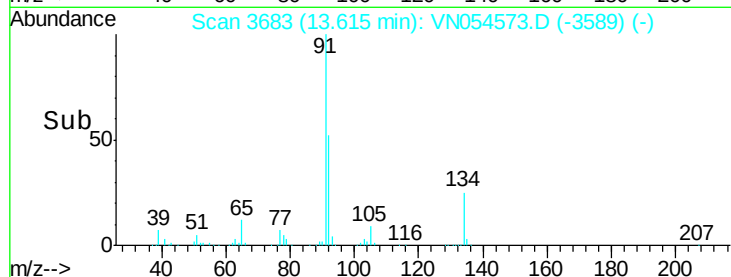
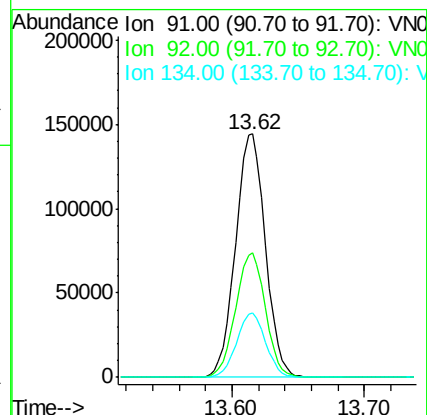
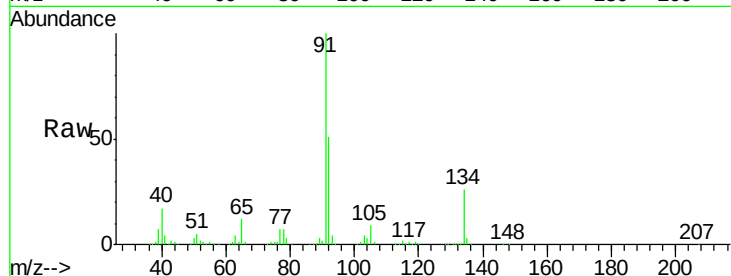
Tot Ion: 91 Resp: 224888

Ion Ratio Lower Upper

91 100

92 51.3 26.2 78.6

134 25.6 14.3 42.9



#90

Hexachloroethane

Concen: 19.852 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054573.D

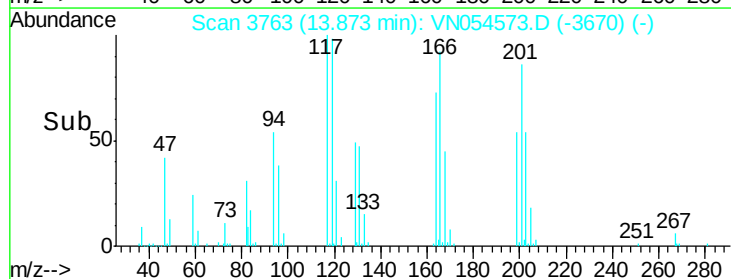
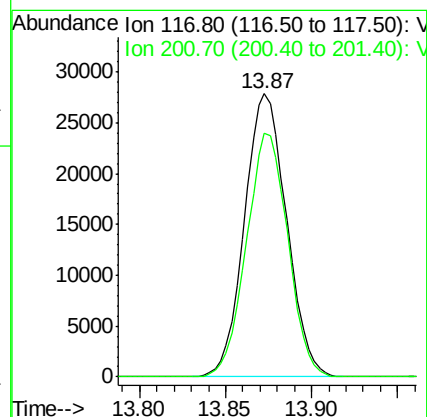
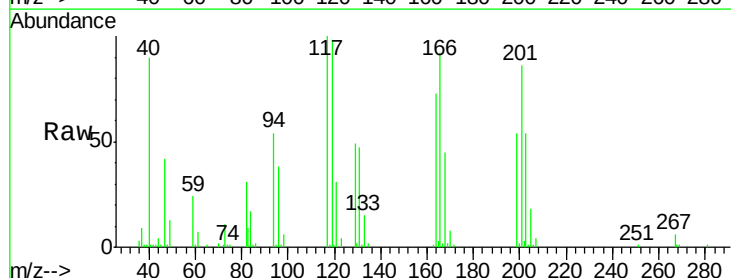
Acq: 22 Mar 2019 23:07

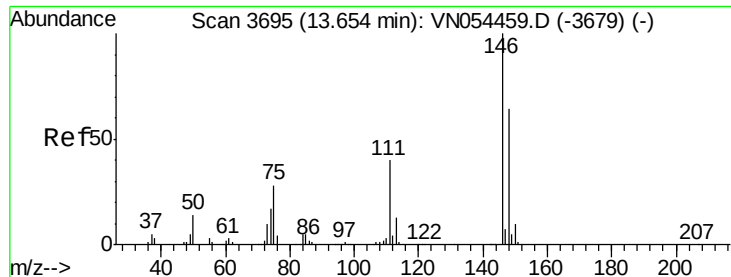
Tgt Ion: 117 Resp: 47320

Ion Ratio Lower Upper

117 100

201 84.6 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.974 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

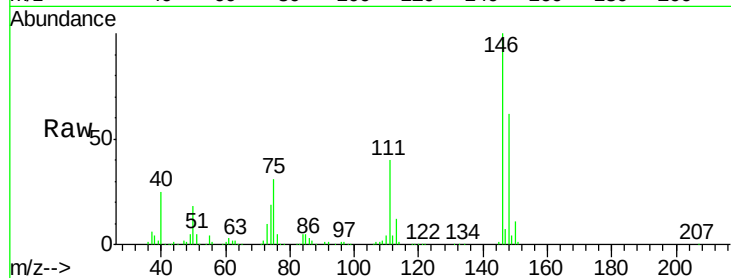
Tot Ion:146 Resp: 161150

Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.3

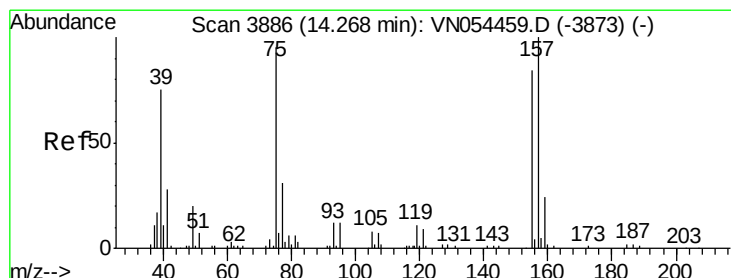
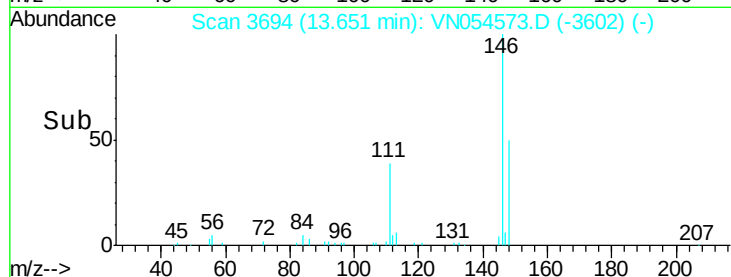
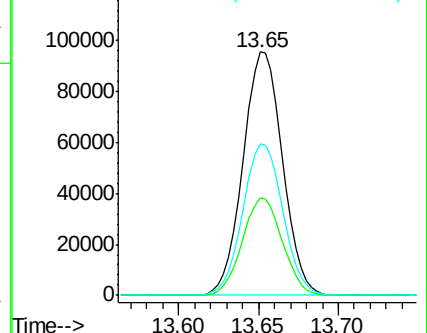
148 63.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.483 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

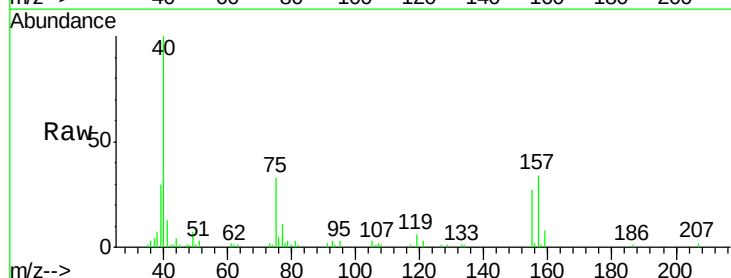
Tgt Ion: 75 Resp: 14529

Ion Ratio Lower Upper

75 100

155 82.6 50.1 150.3

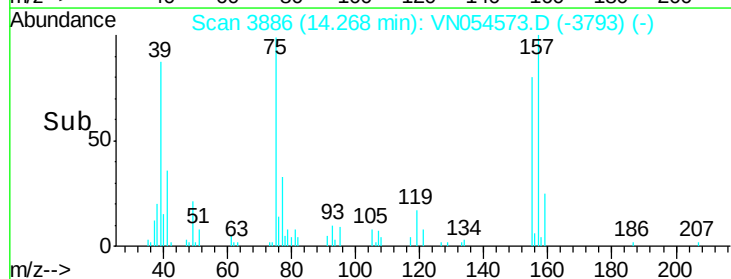
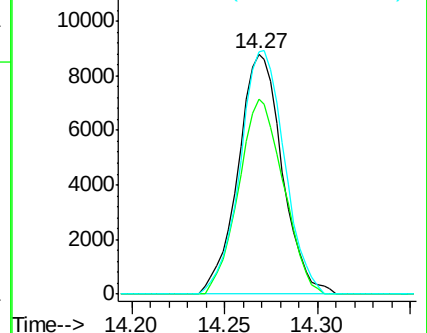
157 102.2 63.1 189.3

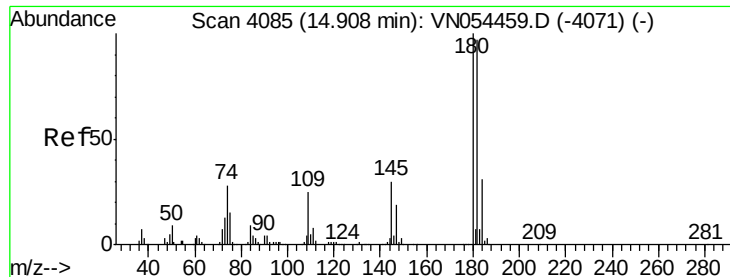


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

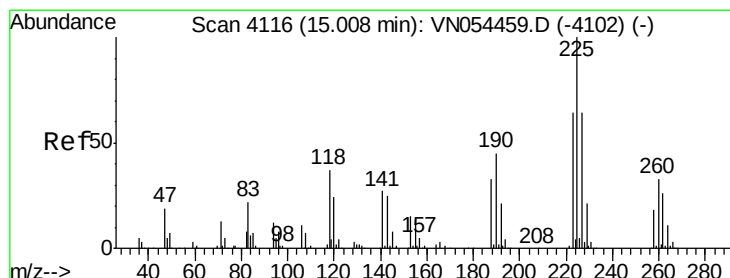
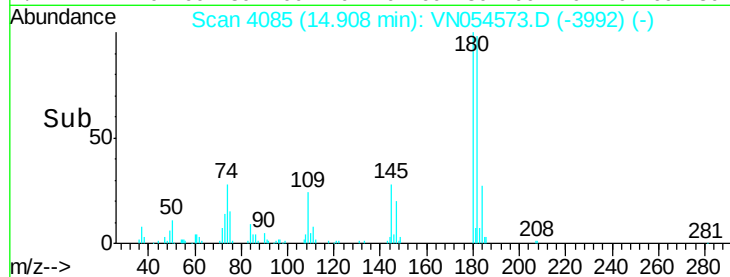
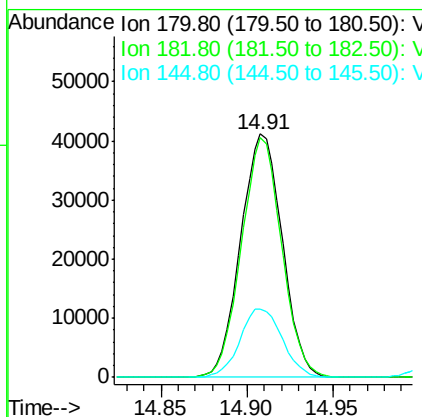
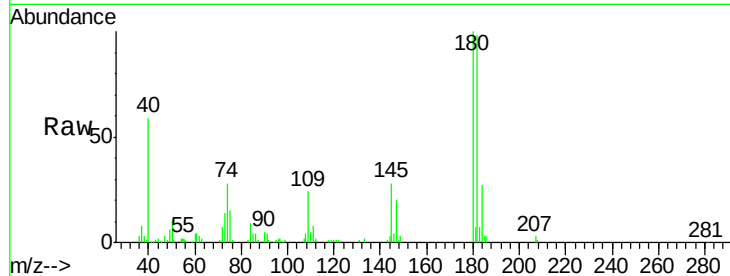




#93
 1,2,4-Trichlorobenzene
 Concen: 18.030 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

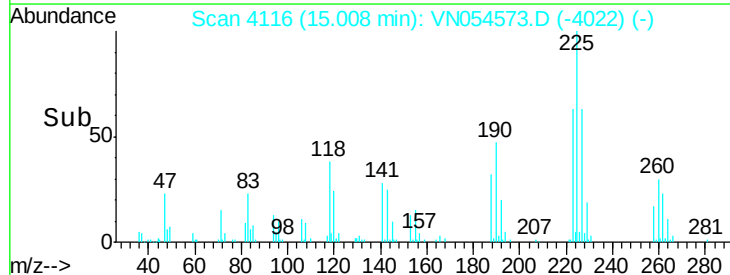
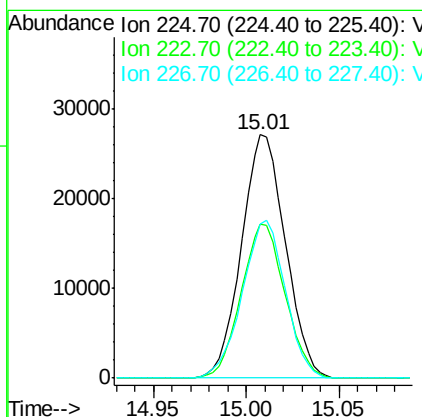
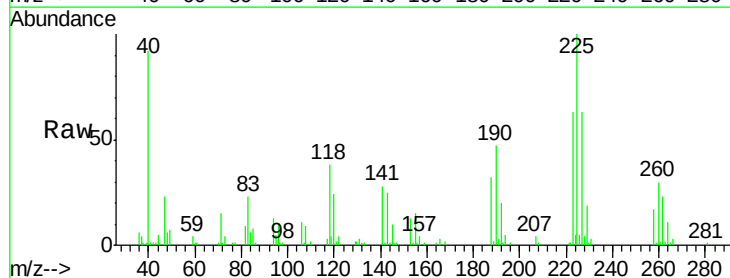
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322MBS02

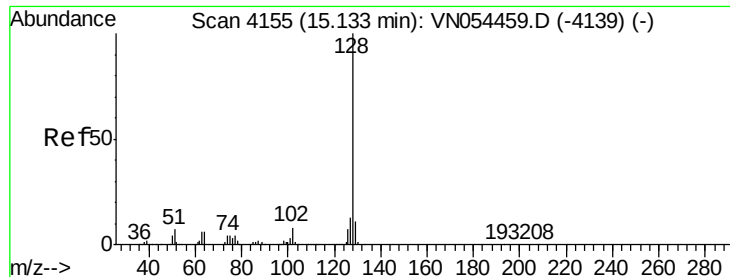
Tot Ion:180 Resp: 69057
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 28.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.166 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054573.D
 Acq: 22 Mar 2019 23:07

Tgt Ion:225 Resp: 44535
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 63.5 31.9 95.9





#95

Naphthalene

Concen: 19.154 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBS02

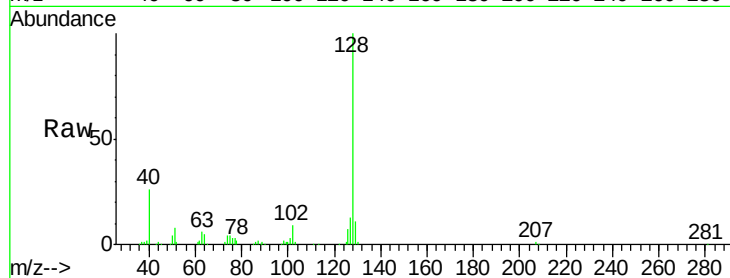
Tot Ion:128 Resp: 163638

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

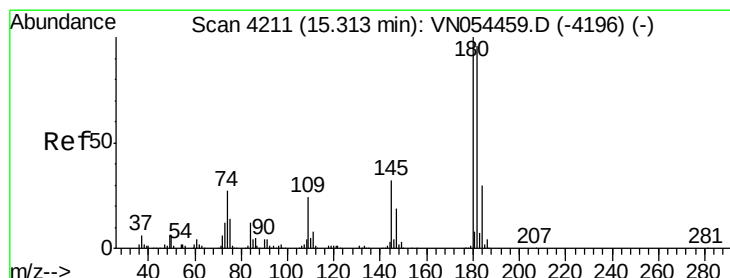
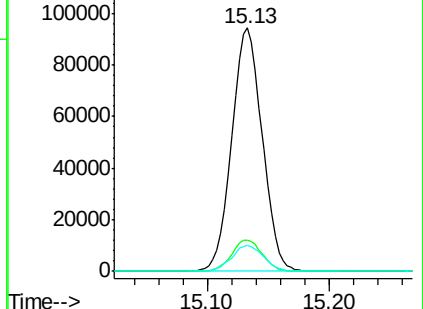
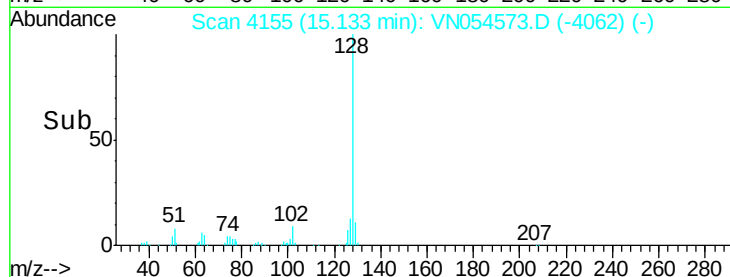
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.769 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054573.D

Acq: 22 Mar 2019 23:07

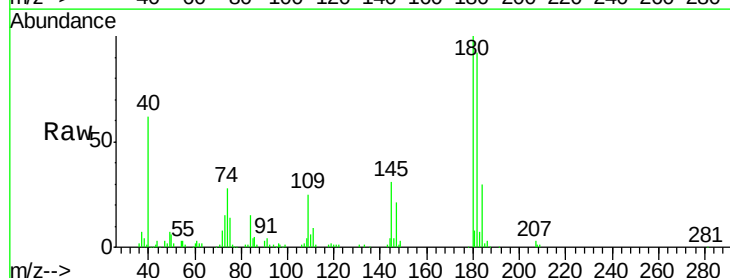
Tgt Ion:180 Resp: 71548

Ion Ratio Lower Upper

180 100

182 93.9 47.5 142.6

145 32.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

