

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054667.D
 Acq On : 25 Mar 2019 12:48
 Operator : JC/SP
 Sample : VN0325MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Quant Time: Mar 26 01:23:41 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	7.67	168	404100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251485	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	281595	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	7.59	113	221389	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.09	98	811364	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	273244	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	87704	22.703	ug/l	99
3) Chloromethane	2.06	50	119554	22.746	ug/l	98
4) Vinyl Chloride	2.19	62	109123	20.679	ug/l	98
5) Bromomethane	2.57	94	64104	18.786	ug/l	90
6) Chloroethane	2.71	64	60166	19.009	ug/l	96
7) Trichlorofluoromethane	3.03	101	138600	21.627	ug/l	98
8) Diethyl Ether	3.41	74	47179	19.142	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70783	18.794	ug/l	95
10) Methyl Iodide	3.95	142	100321	18.108	ug/l	90
11) Tert butyl alcohol	4.82	59	32690	107.424	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	68308	17.525	ug/l #	74
13) Acrolein	3.61	56	39712	94.564	ug/l	99
14) Allyl chloride	4.32	41	163763	22.312	ug/l #	93
15) Acrylonitrile	5.00	53	183035	120.782	ug/l	99
16) Acetone	3.82	43	147398	97.538	ug/l #	82
17) Carbon Disulfide	4.04	76	180834	17.315	ug/l	99
18) Methyl Acetate	4.33	43	82689	24.550	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	261417	22.981	ug/l	94
20) Methylene Chloride	4.55	84	96429	21.647	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	87695	22.034	ug/l #	83
22) Diisopropyl ether	5.96	45	346298	23.920	ug/l #	94
23) Vinyl Acetate	5.90	43	1210439	118.383	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	180691	23.180	ug/l	97
25) 2-Butanone	6.85	43	231428	119.551	ug/l #	85
26) 2,2-Dichloropropane	6.82	77	119999	21.596	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	104438	22.000	ug/l	88
28) Bromochloromethane	7.20	49	94905	24.735	ug/l #	72
29) Tetrahydrofuran	7.22	42	157103	125.060	ug/l #	83
30) Chloroform	7.37	83	176622	23.218	ug/l	98
31) Cyclohexane	7.65	56	175903	22.530	ug/l #	84
32) 1,1,1-Trichloroethane	7.57	97	138164	22.015	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130232	20.414	ug/l	96
37) Ethyl Acetate	6.94	43	102715	22.637	ug/l	94
38) Carbon Tetrachloride	7.77	117	117128	18.893	ug/l	97

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

39) Methylcyclohexane	9.08	83	141066	19.330	ug/l #	87
40) Benzene	8.04	78	386827	21.204	ug/l	98
41) Methacrylonitrile	7.18	41	60390	21.824	ug/l	90
42) 1,2-Dichloroethane	8.12	62	139938	21.063	ug/l	98
43) Isopropyl Acetate	8.17	43	170517	22.252	ug/l #	91
44) Trichloroethene	8.83	130	103074	20.323	ug/l	96
45) 1,2-Dichloropropane	9.12	63	109565	22.367	ug/l	100
46) Dibromomethane	9.21	93	62815	21.494	ug/l	88
47) Bromodichloromethane	9.40	83	125728	20.730	ug/l	98
48) Methyl methacrylate	9.20	41	87159	20.956	ug/l	88
49) 1,4-Dioxane	9.20	88	19490	419.160	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	476747	112.258	ug/l	94
52) Toluene	10.16	92	230818	20.571	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	111859	18.935	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	141362	20.328	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	86620	21.476	ug/l	95
56) Ethyl methacrylate	10.43	69	110998	20.504	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	152224	21.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	191121	85.737	ug/l #	88
59) 2-Hexanone	10.75	43	301393	108.648	ug/l	91
60) Dibromochloromethane	10.90	129	85070	19.822	ug/l	98
61) 1,2-Dibromoethane	11.01	107	83071	20.834	ug/l	99
64) Tetrachloroethene	10.63	164	99188	20.451	ug/l	95
65) Chlorobenzene	11.43	112	243864	20.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88398	20.709	ug/l	98
67) Ethyl Benzene	11.51	91	437398	20.821	ug/l	98
68) m/p-Xylenes	11.62	106	322189	40.491	ug/l	95
69) o-Xylene	11.95	106	157171	20.226	ug/l	95
70) Styrene	11.96	104	257838	20.432	ug/l	96
71) Bromoform	12.13	173	50525	18.627	ug/l #	100
73) Isopropylbenzene	12.25	105	419537	20.702	ug/l	99
74) N-amyl acetate	12.07	43	131918	22.639	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	104062	22.495	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	119219	29.874	ug/l #	100
77) Bromobenzene	12.53	156	107521	21.393	ug/l	89
78) n-propylbenzene	12.59	91	460877	20.973	ug/l	97
79) 2-Chlorotoluene	12.67	91	282892	20.644	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	341700	20.573	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19042	18.578	ug/l #	76
82) 4-Chlorotoluene	12.77	91	274240	20.646	ug/l	94
83) tert-Butylbenzene	12.99	119	296420	20.503	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	331222	20.324	ug/l	98
85) sec-Butylbenzene	13.17	105	371783	20.629	ug/l	97
86) p-Isopropyltoluene	13.29	119	328700	20.386	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	167393	20.098	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	157841	19.477	ug/l	96
89) n-Butylbenzene	13.61	91	251328	19.935	ug/l	98
90) Hexachloroethane	13.88	117	49023	19.587	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	168343	20.867	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13701	20.192	ug/l	88

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

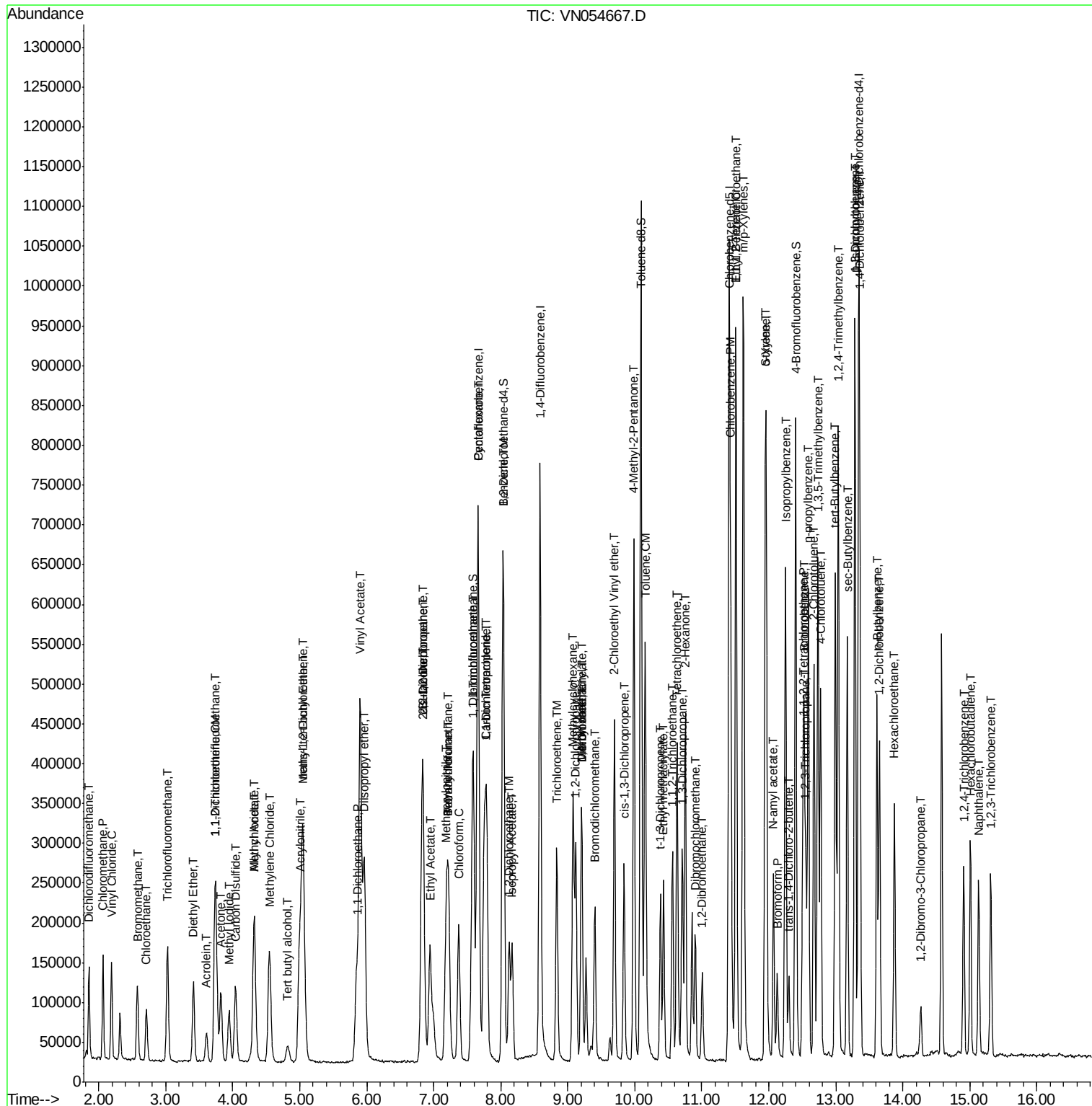
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75684	18.819	ug/l	99
94) Hexachlorobutadiene	15.01	225	52198	21.698	ug/l	99
95) Naphthalene	15.13	128	186709	20.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79808	19.939	ug/l	97

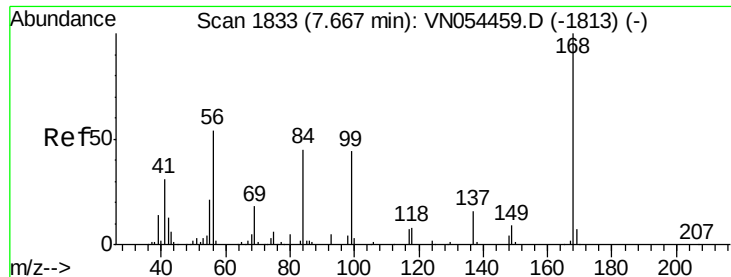
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032519\
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

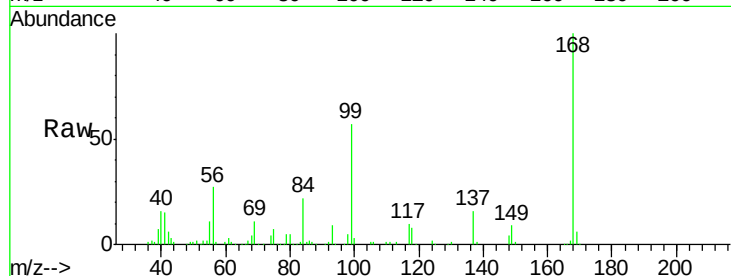
VN0325MBS01

Tot Ion:168 Resp: 404100

Ion Ratio Lower Upper

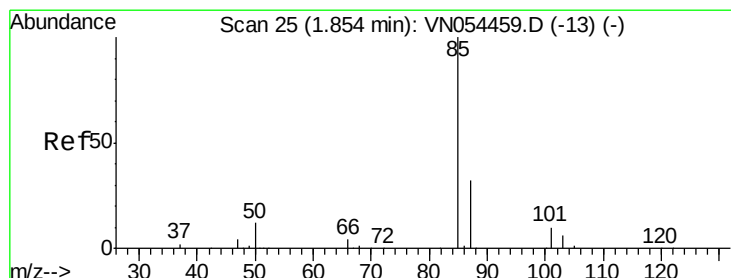
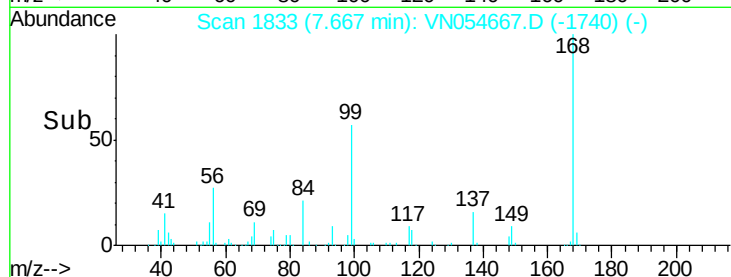
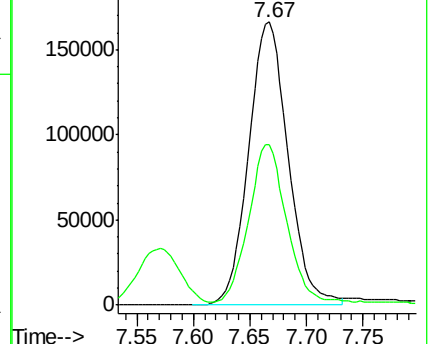
168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.703 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054667.D

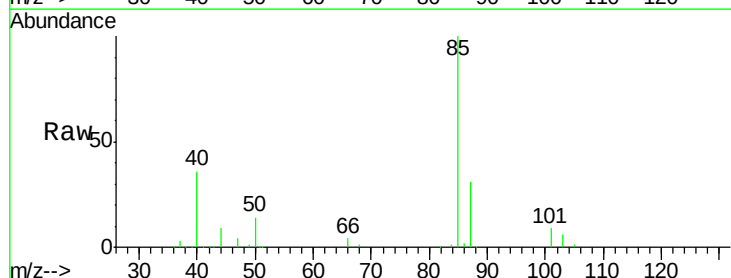
Acq: 25 Mar 2019 12:48

Tgt Ion: 85 Resp: 87704

Ion Ratio Lower Upper

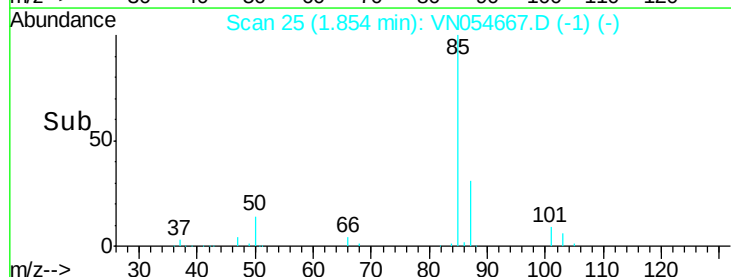
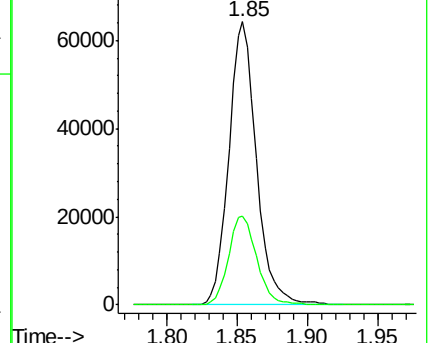
85 100

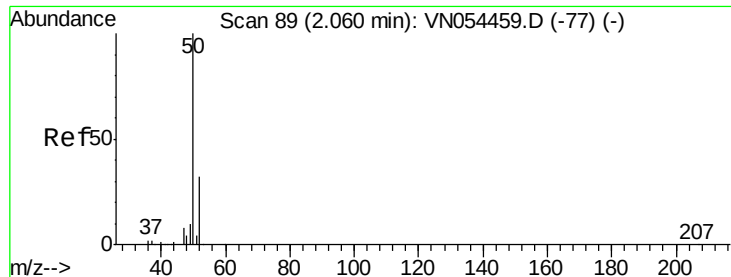
87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.746 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

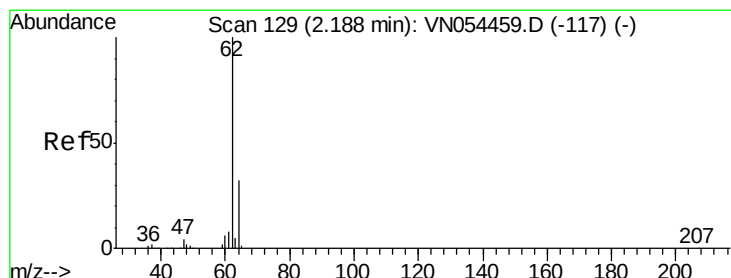
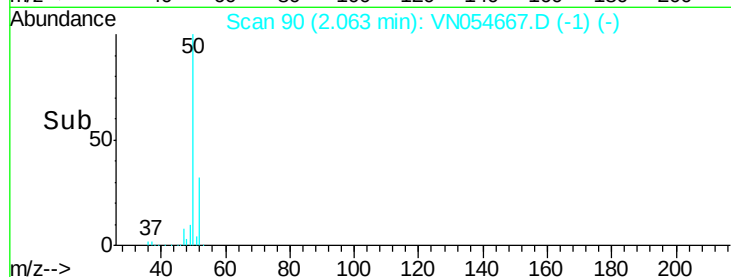
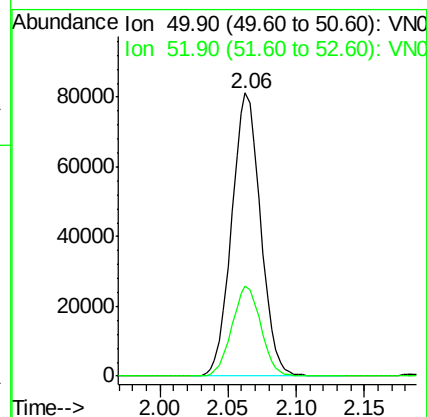
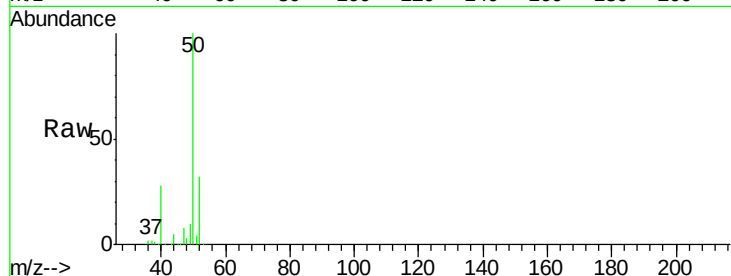
VN0325MBS01

Tot Ion: 50 Resp: 119554

Ion Ratio Lower Upper

50 100

52 31.6 26.4 39.6



#4

Vinyl Chloride

Concen: 20.679 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054667.D

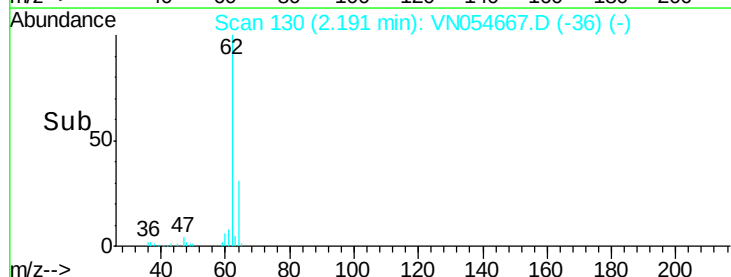
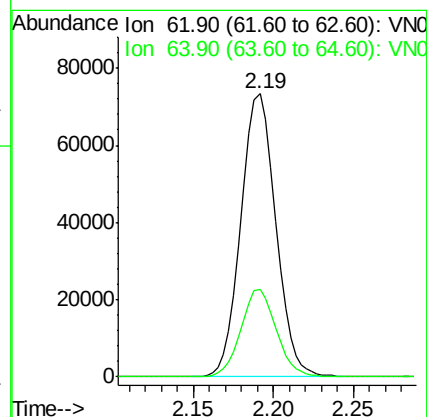
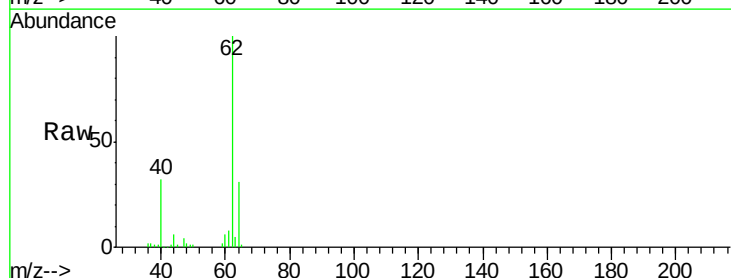
Acq: 25 Mar 2019 12:48

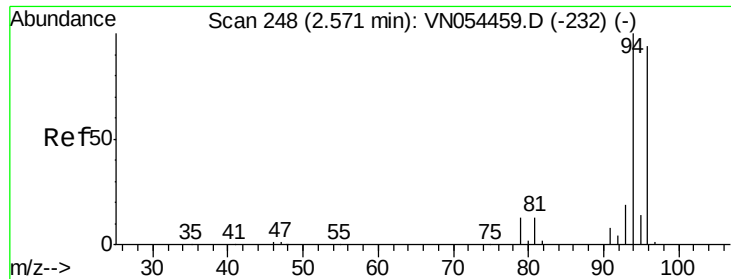
Tgt Ion: 62 Resp: 109123

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 18.786 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

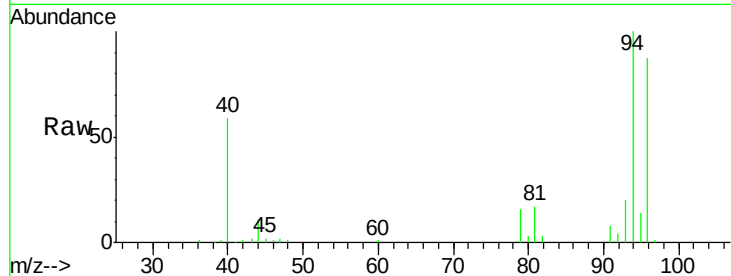
VN0325MBS01

Tot Ion: 94 Resp: 64104

Ion Ratio Lower Upper

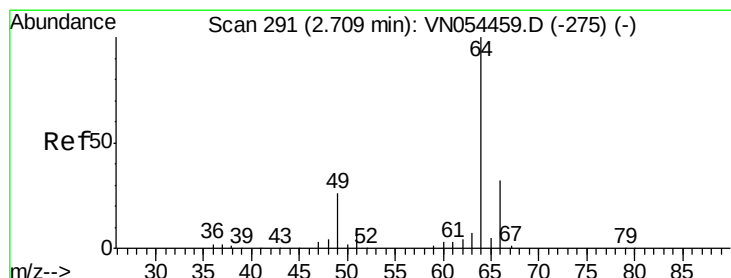
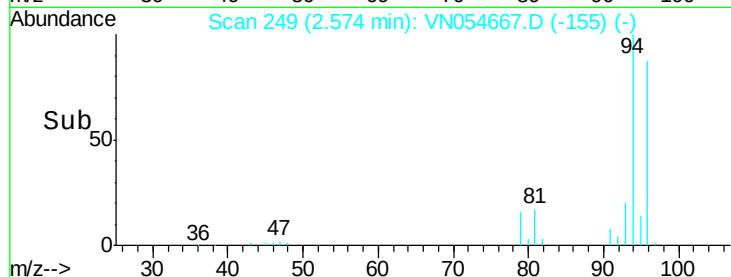
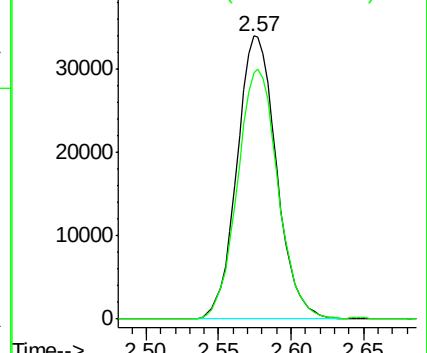
94 100

96 86.8 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: 19.009 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054667.D

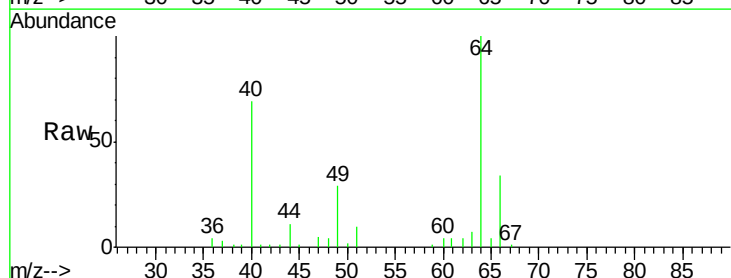
Acq: 25 Mar 2019 12:48

Tgt Ion: 64 Resp: 60166

Ion Ratio Lower Upper

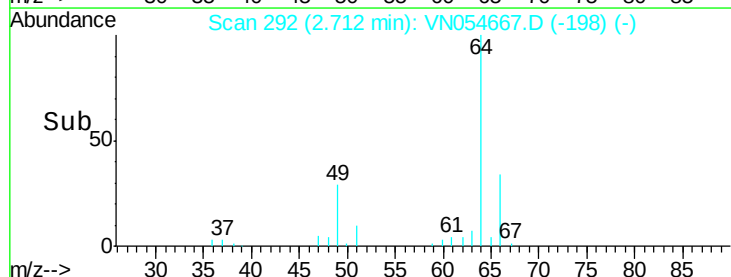
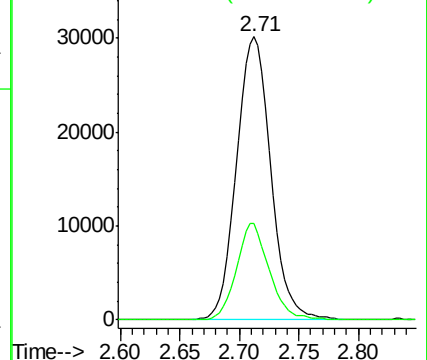
64 100

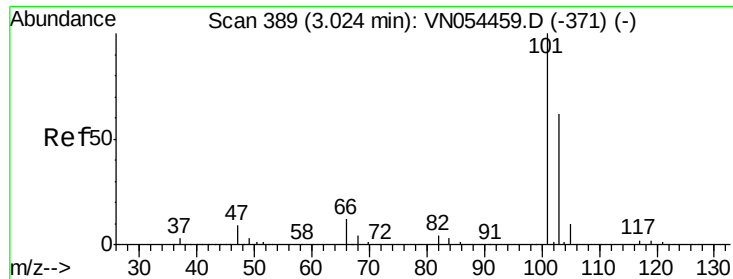
66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



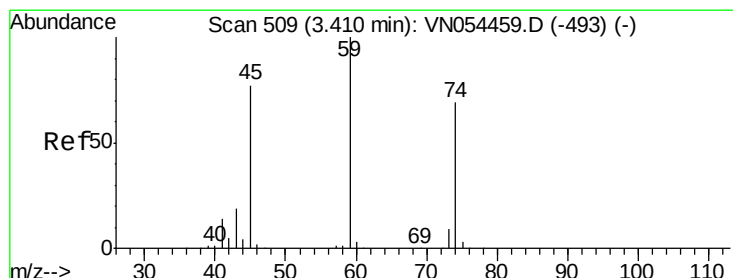
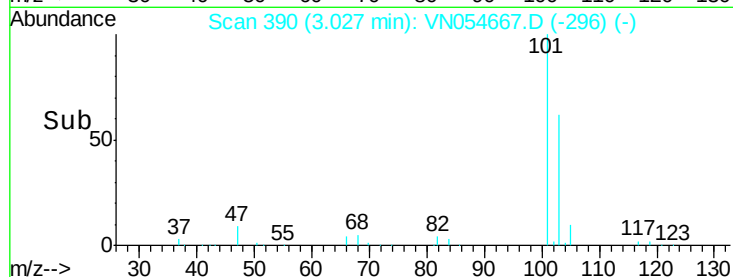
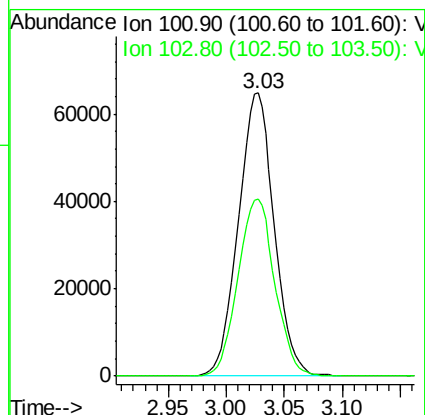
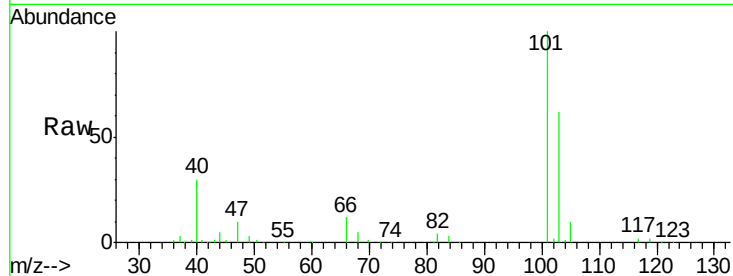


#7

Trichlorofluoromethane
Concen: 21.627 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
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ClientSampleId :
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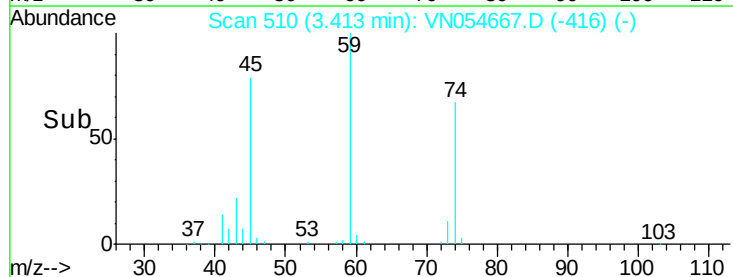
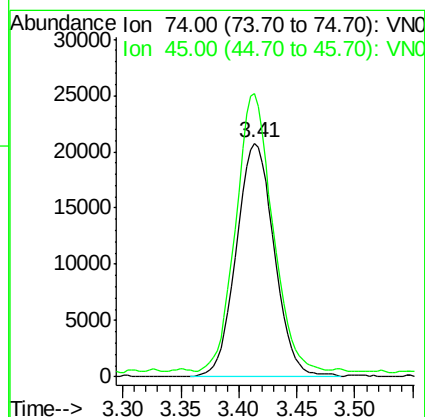
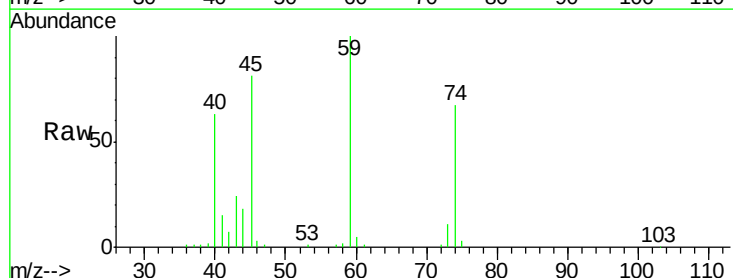
Tot Ion:101 Resp: 138600
Ion Ratio Lower Upper
101 100
103 62.4 51.4 77.2

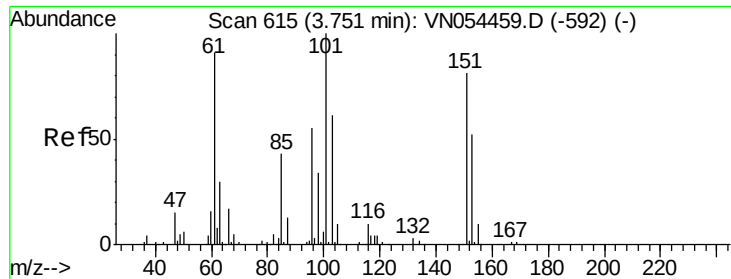


#8

Diethyl Ether
Concen: 19.142 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 74 Resp: 47179
Ion Ratio Lower Upper
74 100
45 114.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.794 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

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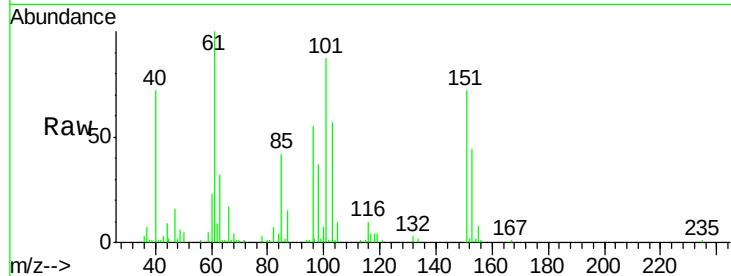
Tot Ion:101 Resp: 70783

Ion Ratio Lower Upper

101 100

85 47.0 32.4 48.6

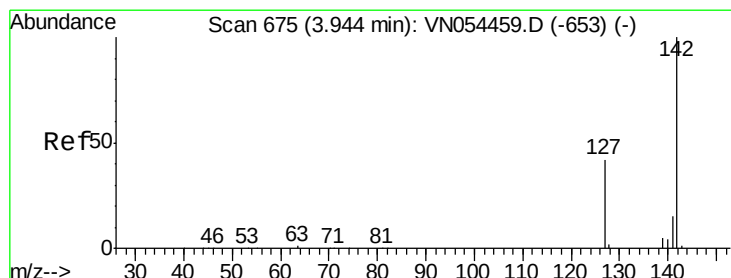
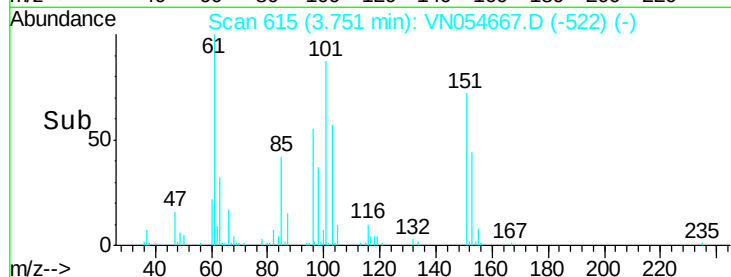
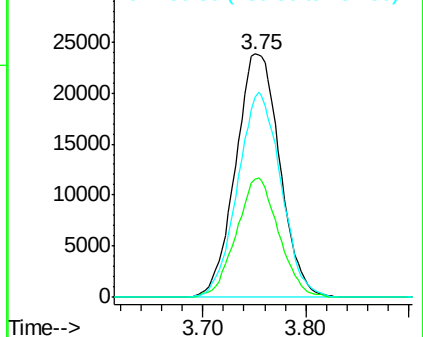
151 82.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.108 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

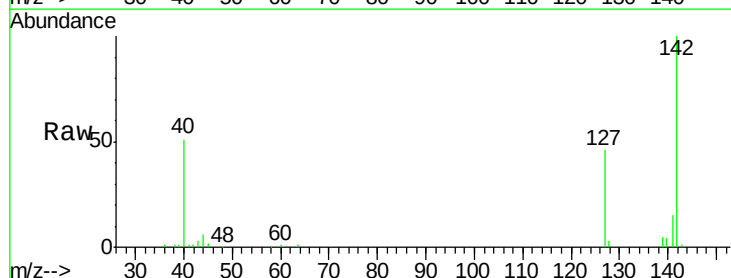
Tgt Ion:142 Resp: 100321

Ion Ratio Lower Upper

142 100

127 45.4 30.3 45.5

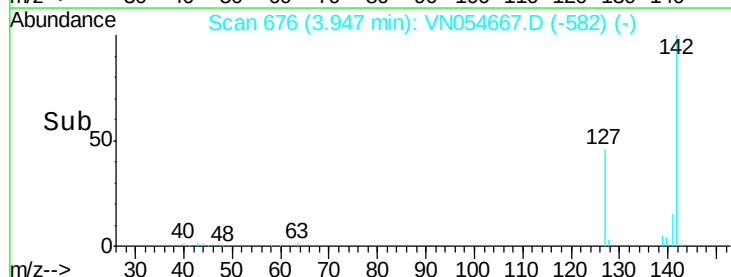
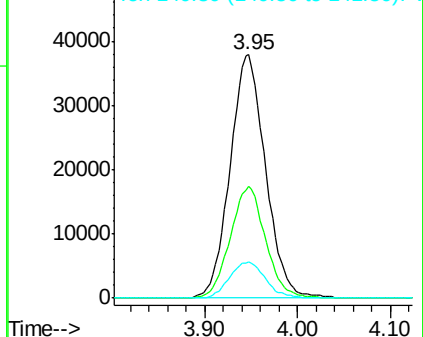
141 14.9 11.2 16.8

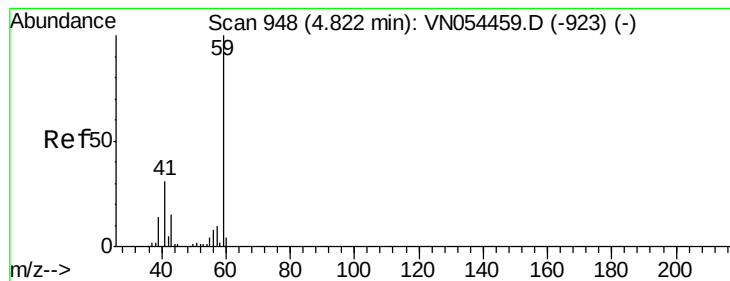


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



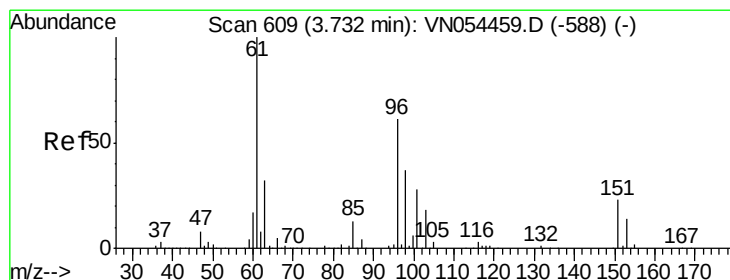
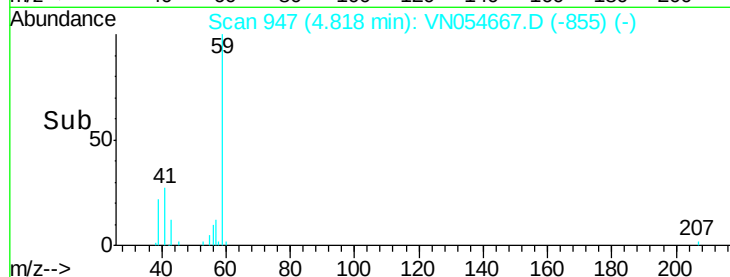
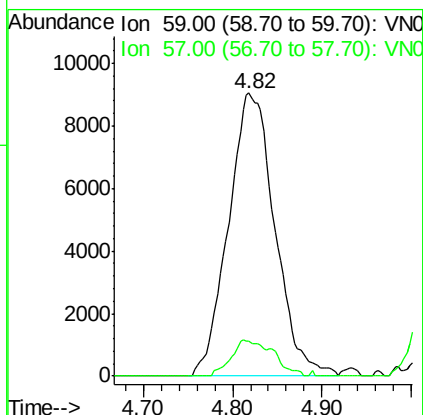
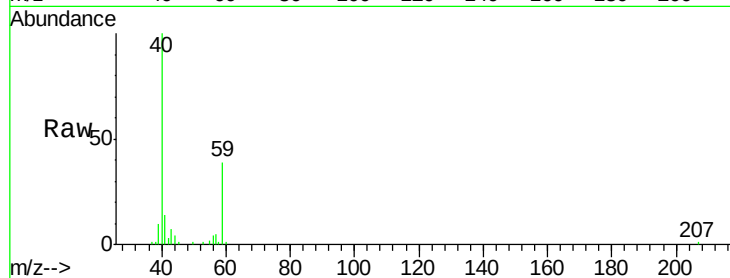


#11

Tert butyl alcohol
 Concen: 107.424 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

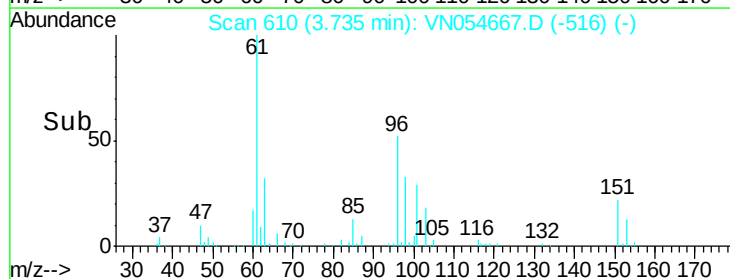
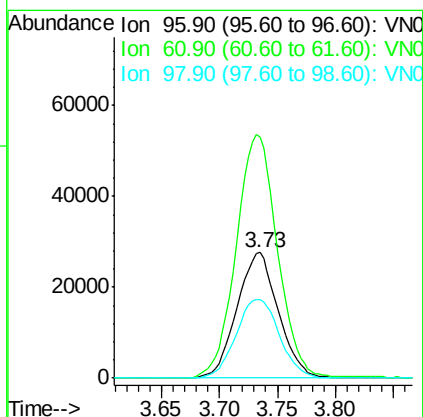
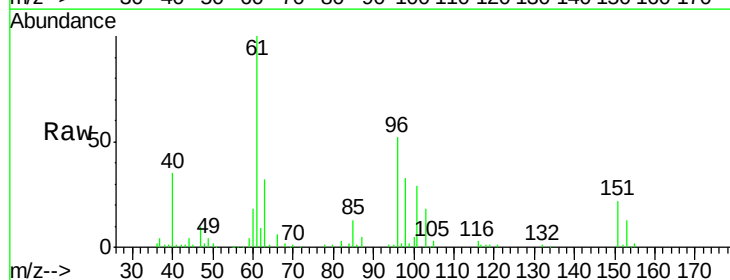
Tot Ion: 59 Resp: 32690
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.0 13.6#

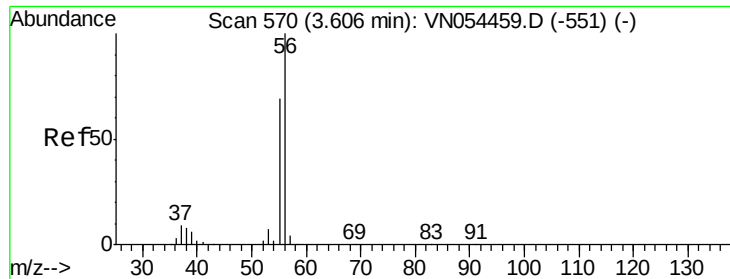


#12

1,1-Dichloroethene
 Concen: 17.525 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 96 Resp: 68308
 Ion Ratio Lower Upper
 96 100
 61 191.7 116.5 174.7#
 98 62.6 51.0 76.4





#13

Acrolein

Concen: 94.564 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

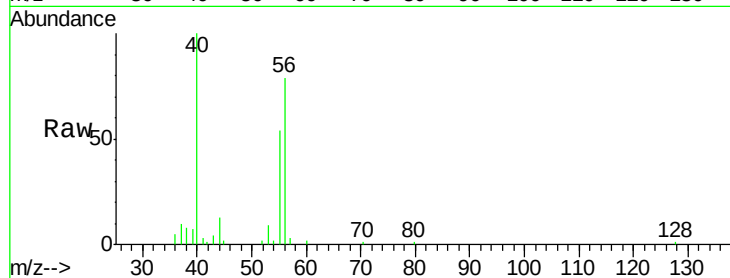
VN0325MBS01

Tot Ion: 56 Resp: 39712

Ion Ratio Lower Upper

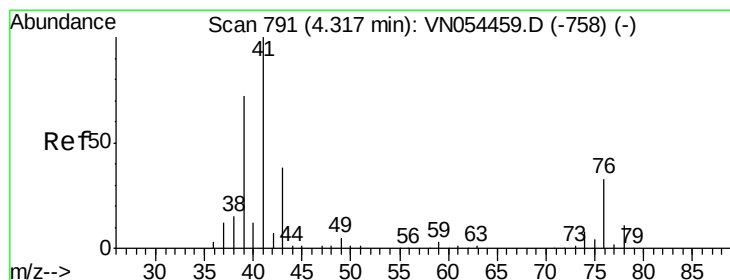
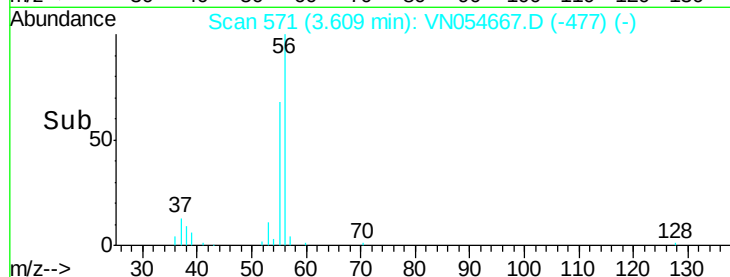
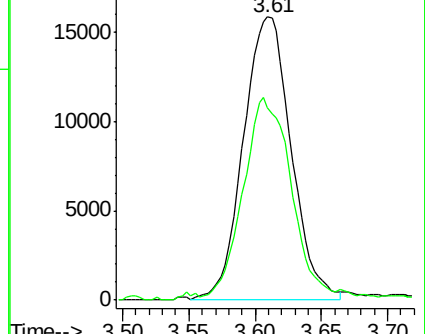
56 100

55 70.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.312 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

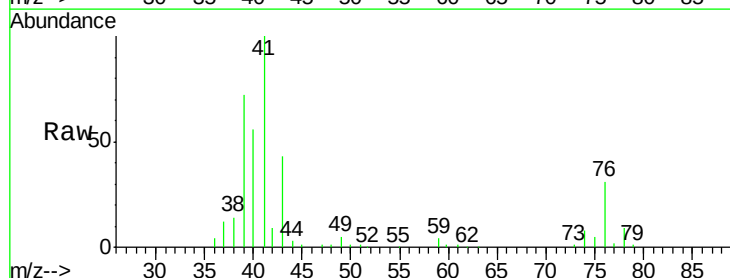
Tgt Ion: 41 Resp: 163763

Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

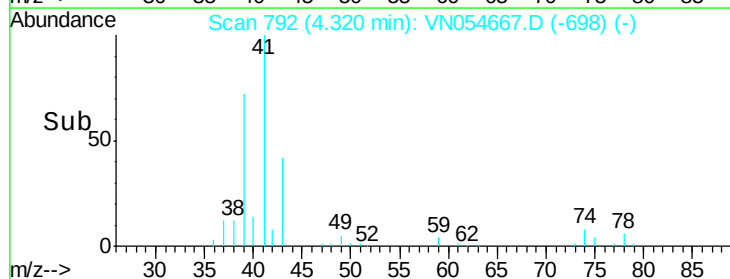
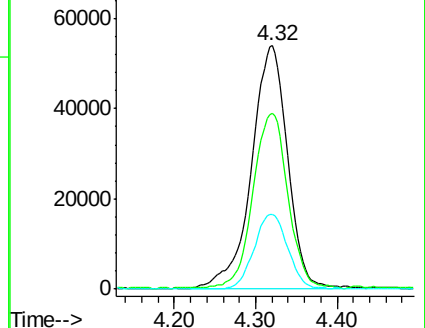
76 28.9 31.7 47.5#

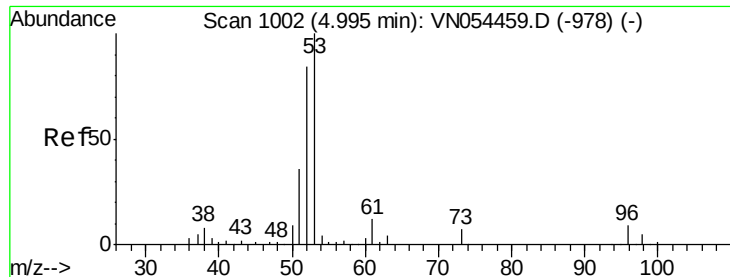


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 120.782 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

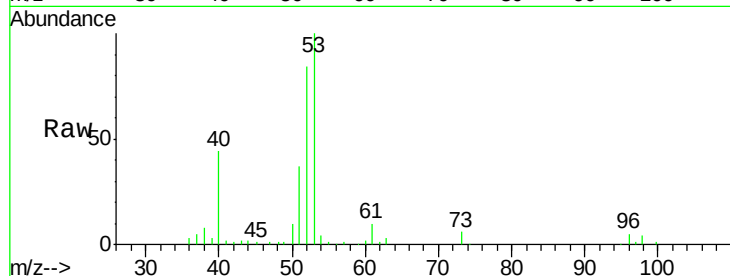
Tot Ion: 53 Resp: 183035

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

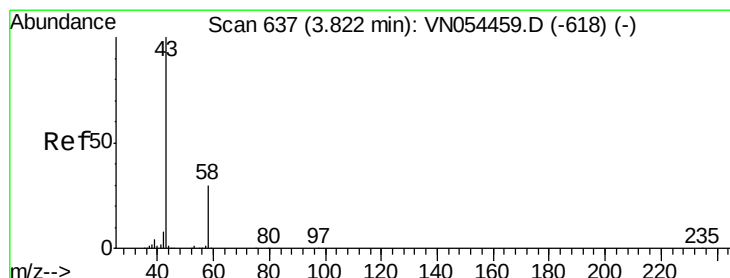
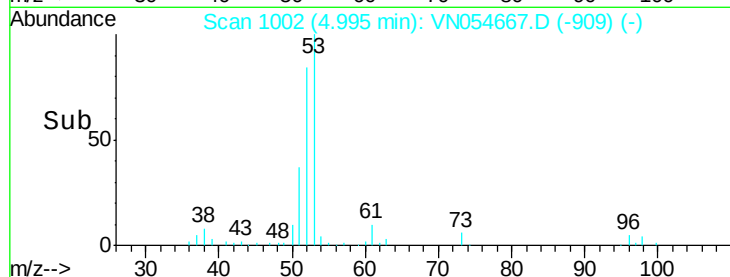
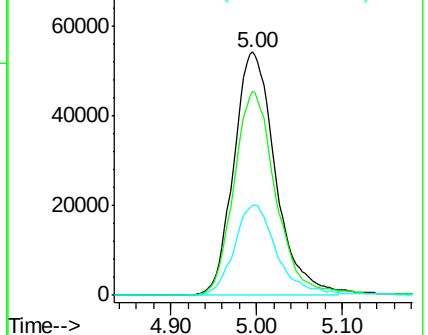
51 37.4 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.538 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054667.D

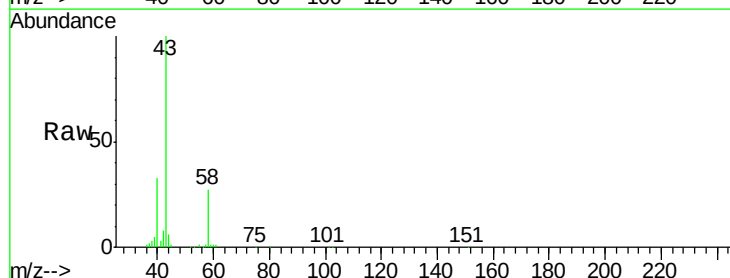
Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 147398

Ion Ratio Lower Upper

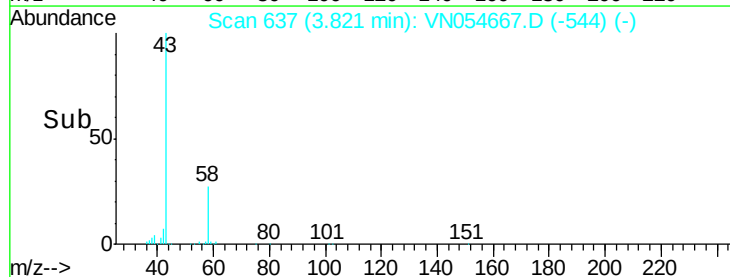
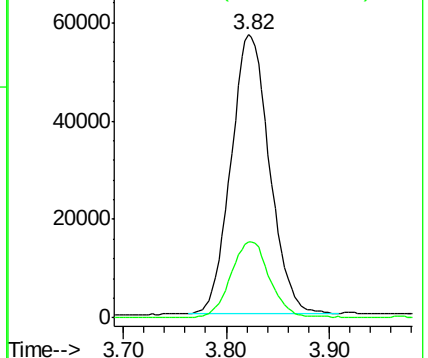
43 100

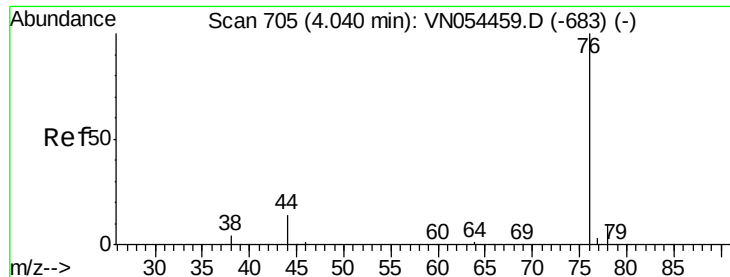
58 26.8 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.315 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

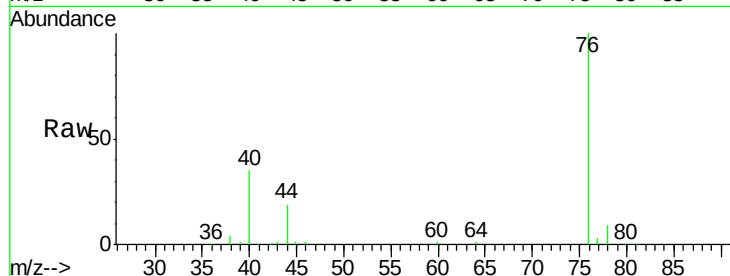
VN0325MBS01

Tot Ion: 76 Resp: 180834

Ion Ratio Lower Upper

76 100

78 9.1 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

60000

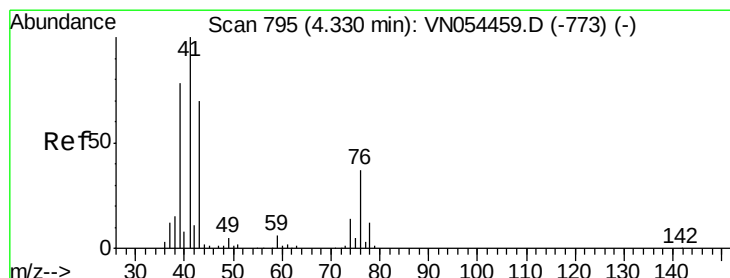
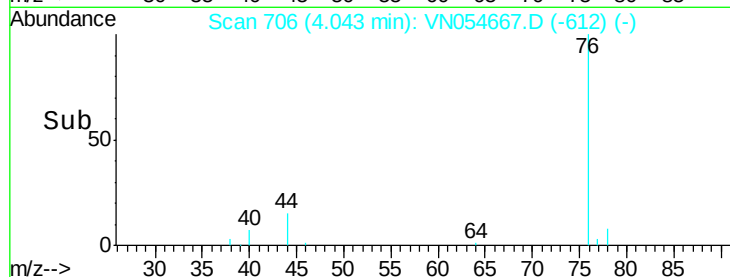
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 24.550 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054667.D

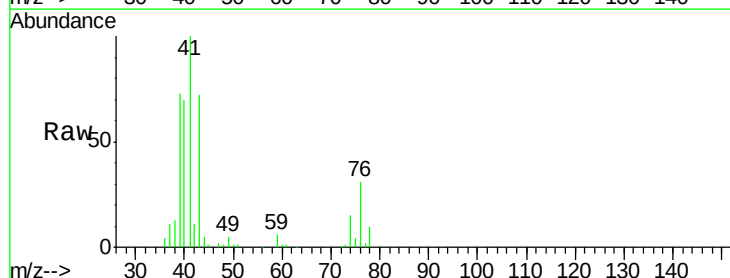
Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 82689

Ion Ratio Lower Upper

43 100

74 20.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

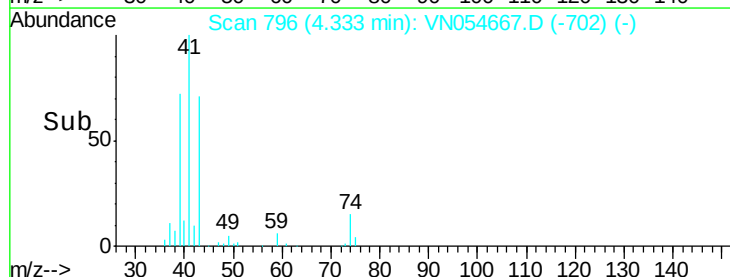
20000

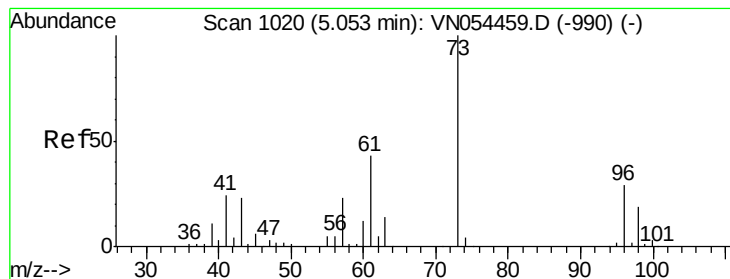
10000

0

Time-->

4.20 4.30 4.40



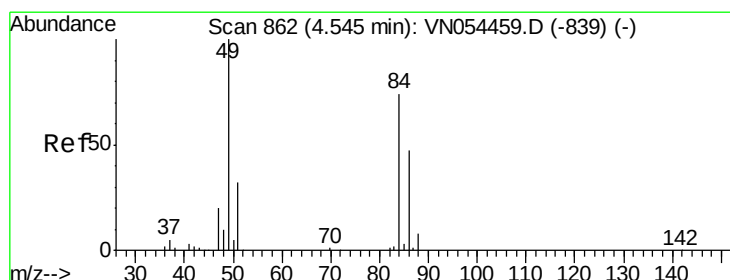
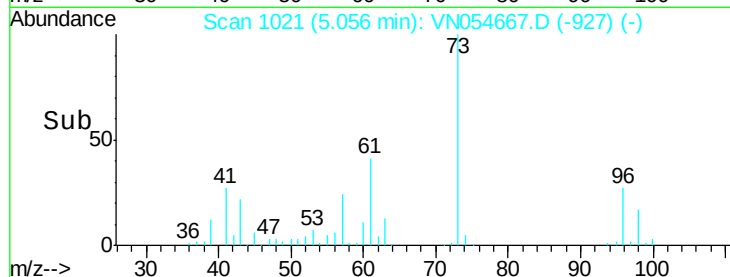
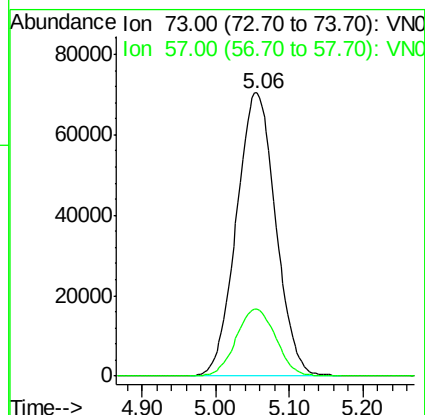
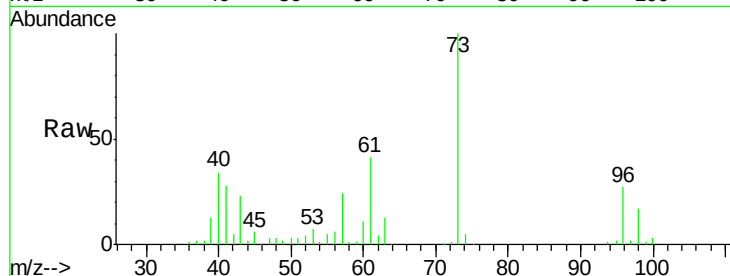


#19

Methyl tert-butyl Ether
 Concen: 22.981 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

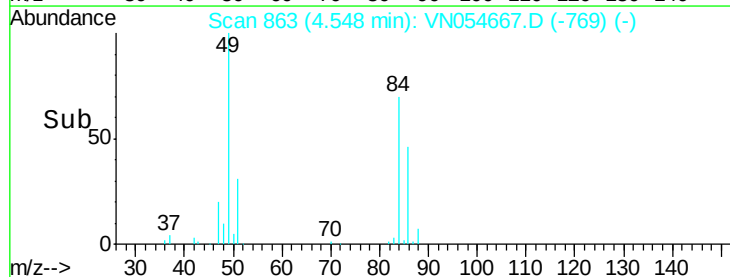
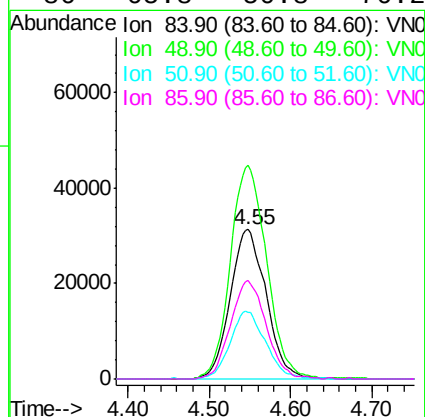
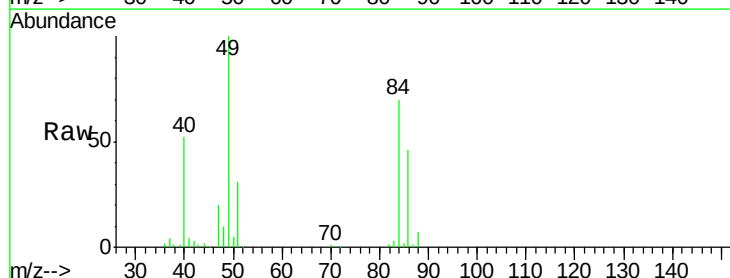
Tot Ion: 73 Resp: 261417
 Ion Ratio Lower Upper
 73 100
 57 23.7 16.8 25.2

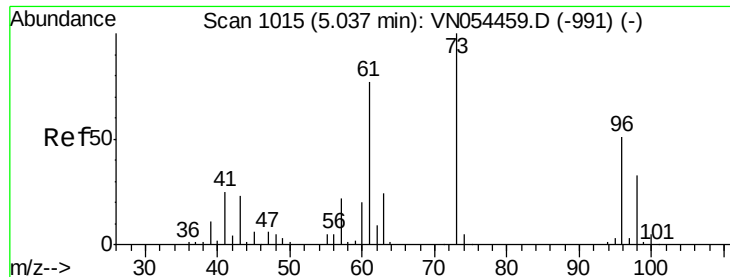


#20

Methylene Chloride
 Concen: 21.647 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 84 Resp: 96429
 Ion Ratio Lower Upper
 84 100
 49 143.1 89.7 134.5#
 51 44.7 28.2 42.4#
 86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.034 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

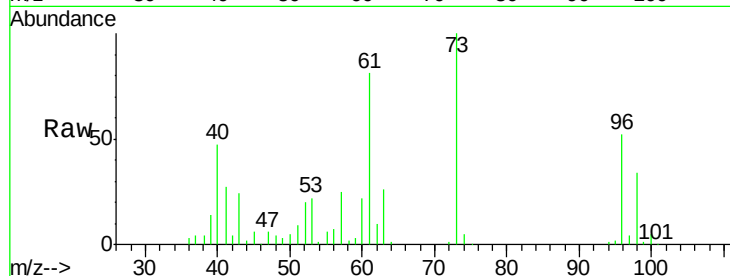
Tot Ion: 96 Resp: 87695

Ion Ratio Lower Upper

96 100

61 155.0 102.8 154.2#

98 65.5 50.0 75.0

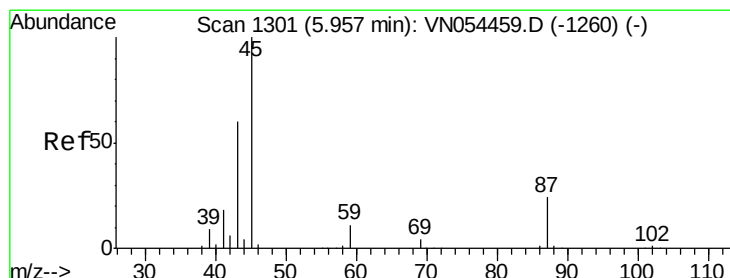
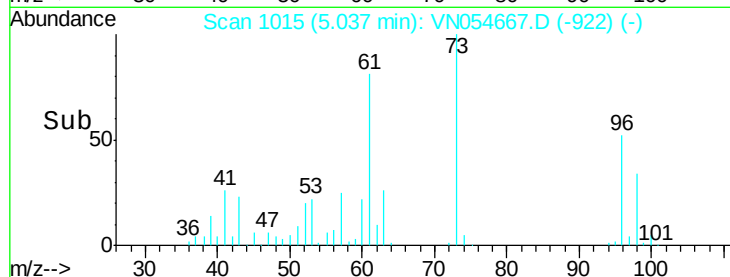
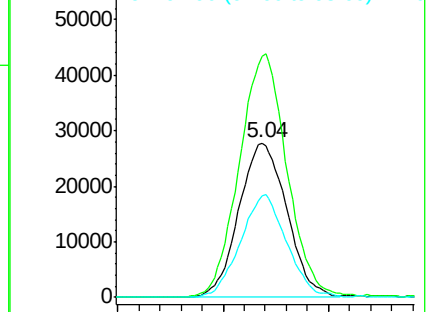


Abundance

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: 23.920 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 45 Resp: 346298

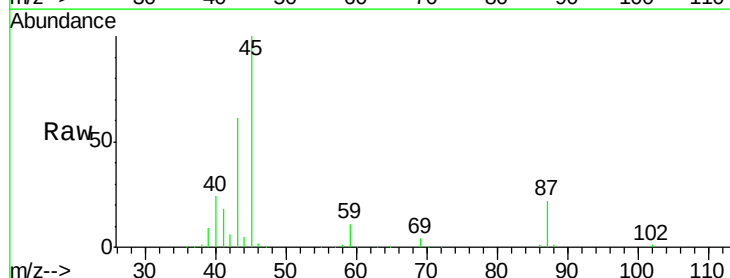
Ion Ratio Lower Upper

45 100

43 59.7 48.2 72.2

87 22.1 24.9 37.3#

59 11.0 9.5 14.3



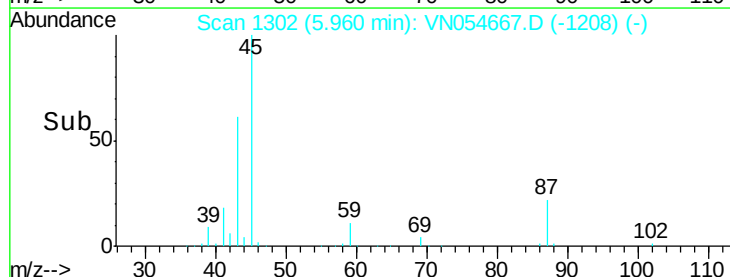
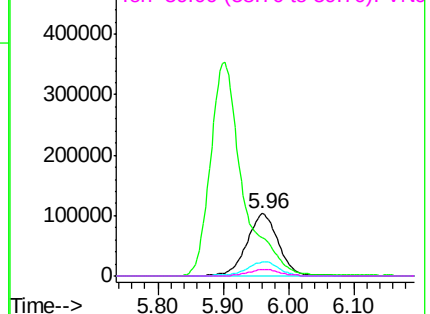
Abundance

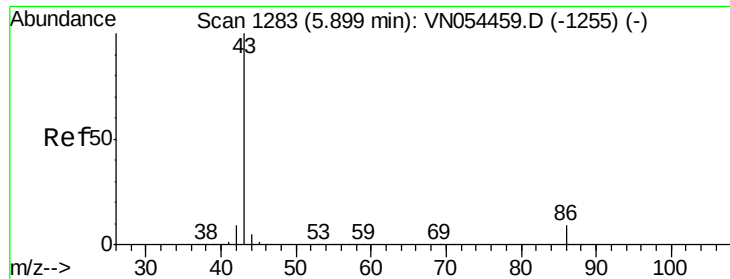
Ion 45.00 (44.70 to 45.70): VN0

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: 118.383 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

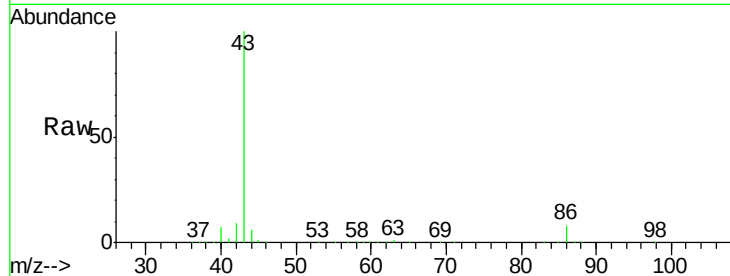
VN0325MBS01

Tot Ion: 43 Resp: 1210439

Ion Ratio Lower Upper

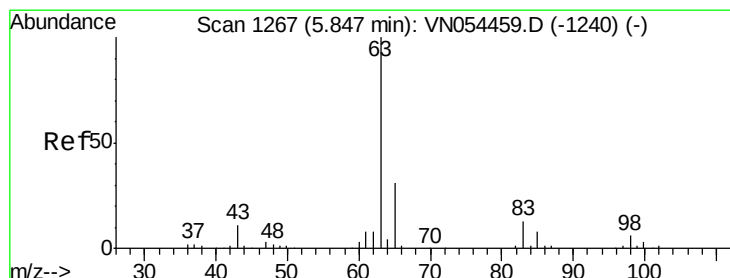
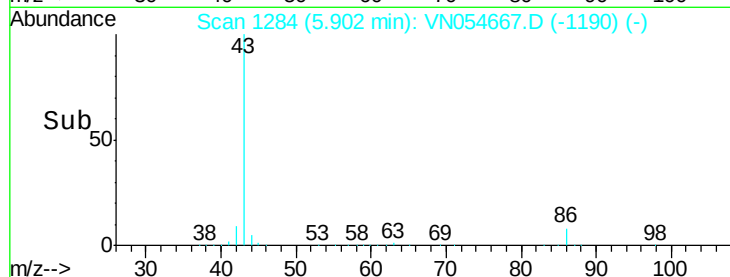
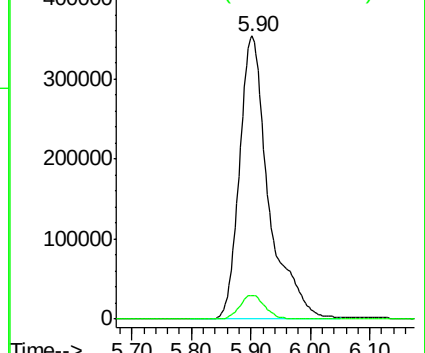
43 100

86 8.4 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: 23.180 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

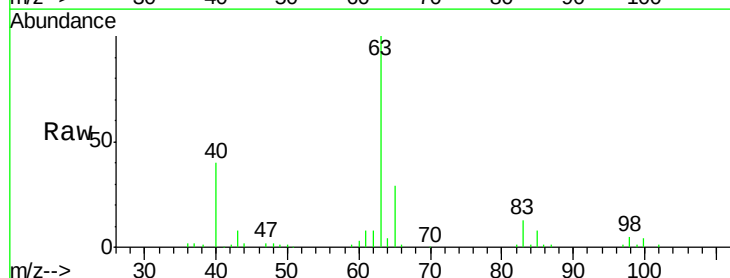
Tgt Ion: 63 Resp: 180691

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

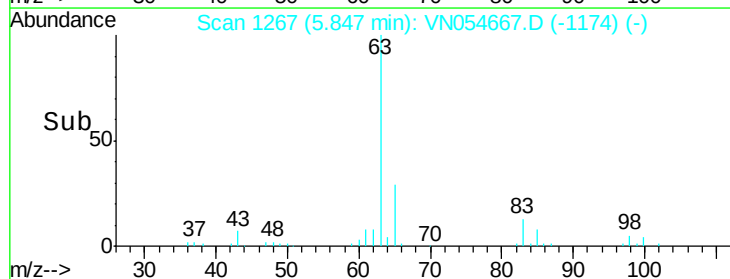
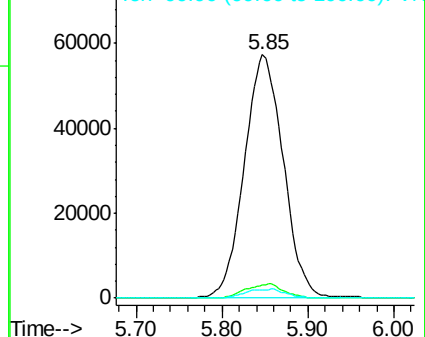
100 3.5 2.0 6.0

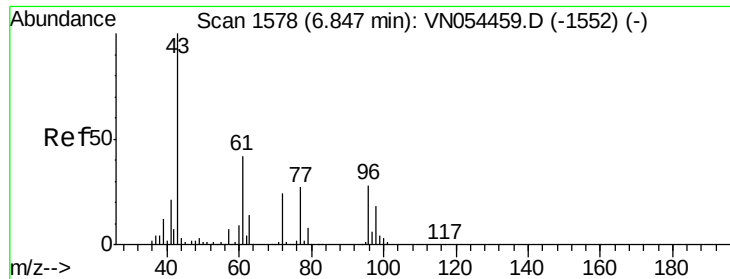


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

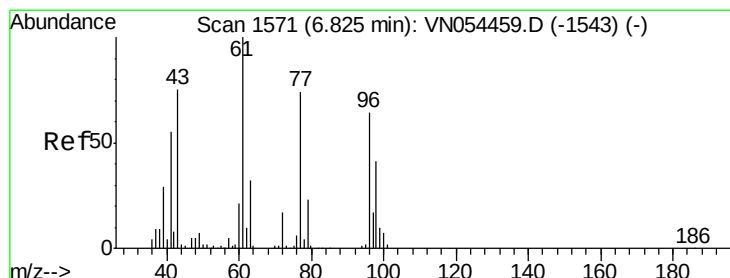
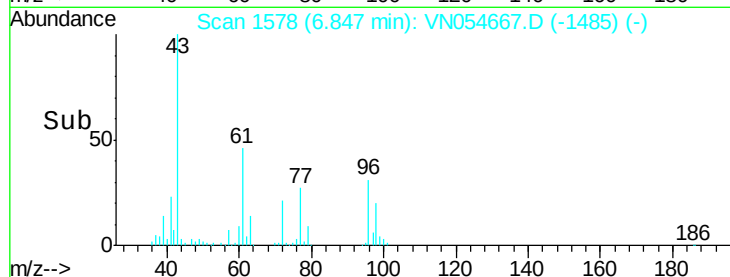
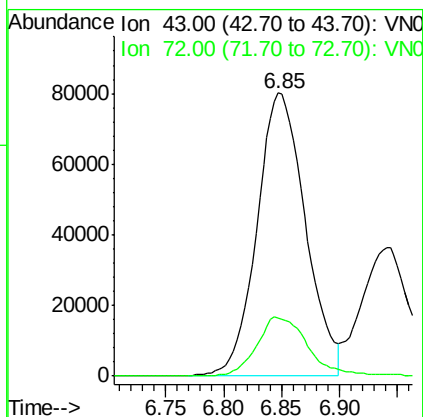
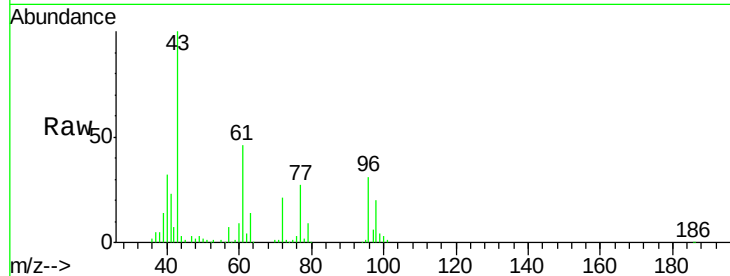




#25
2-Butanone
Concen: 119.551 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

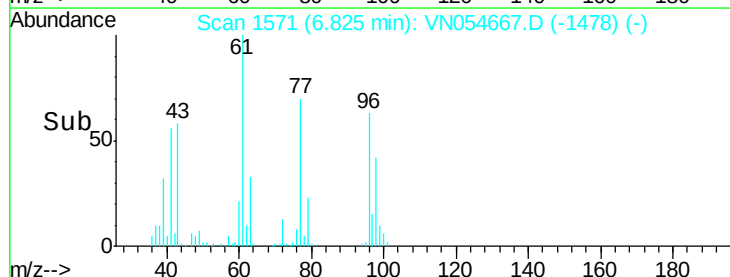
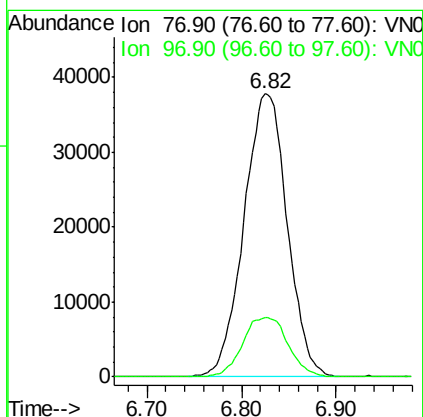
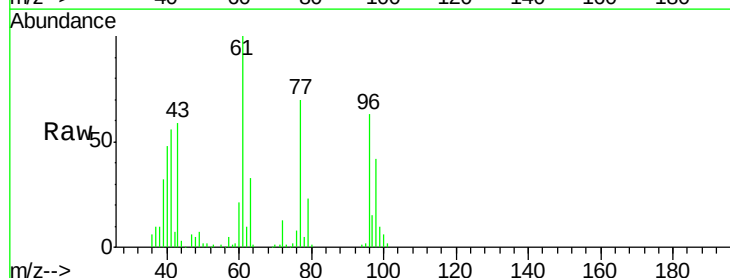
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

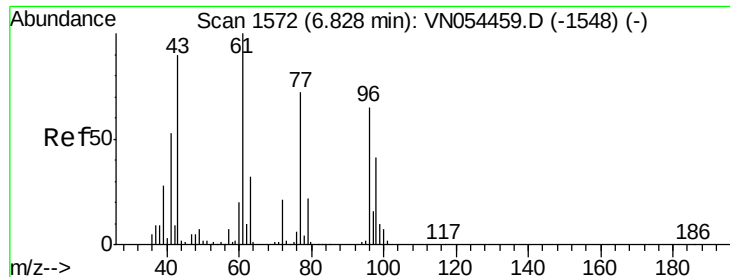
Tot Ion: 43 Resp: 231428
Ion Ratio Lower Upper
43 100
72 20.8 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 21.596 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 77 Resp: 119999
Ion Ratio Lower Upper
77 100
97 22.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.000 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

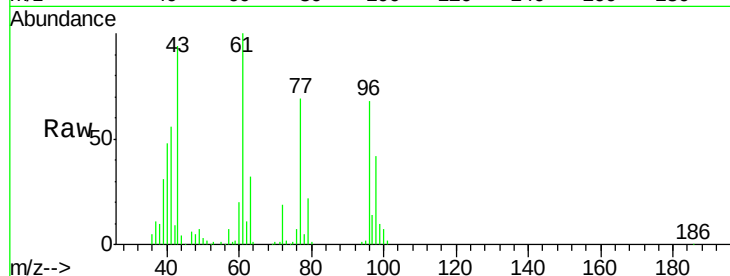
Tot Ion: 96 Resp: 104438

Ion Ratio Lower Upper

96 100

61 156.7 0.0 273.0

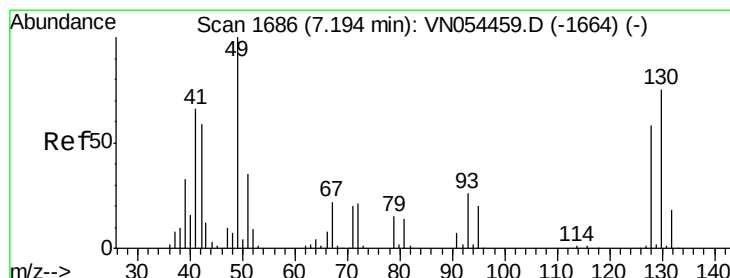
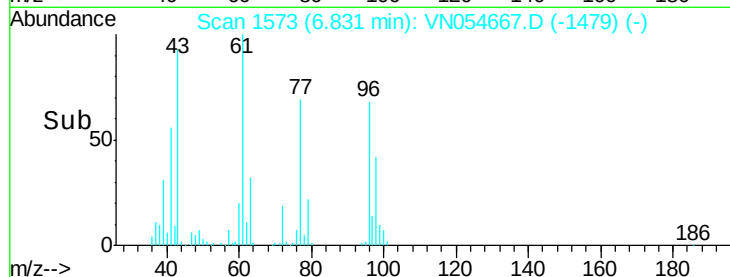
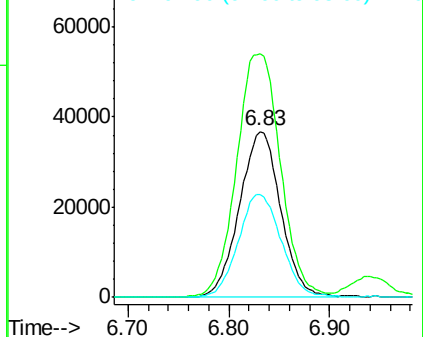
98 64.9 0.0 130.6



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: 24.735 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

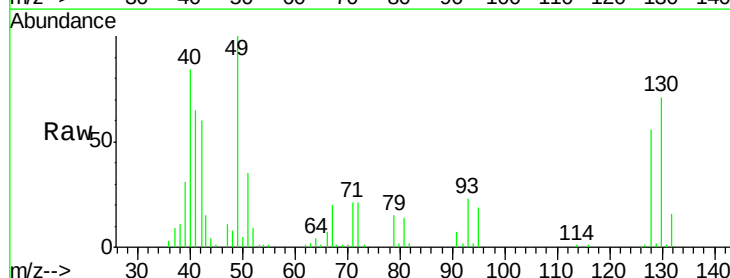
Tgt Ion: 49 Resp: 94905

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

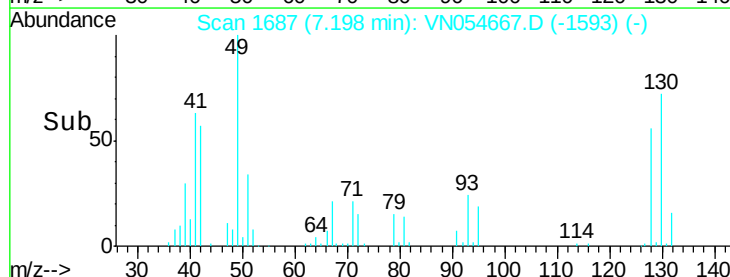
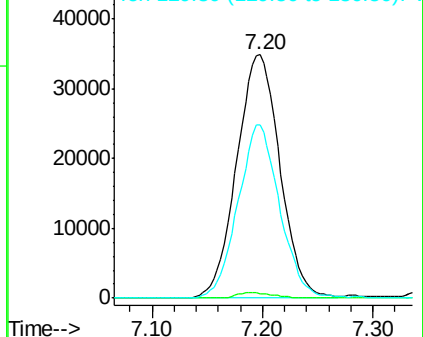
130 68.4 76.7 115.1#

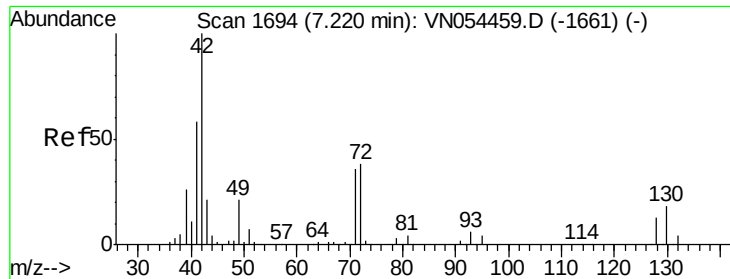


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 125.060 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

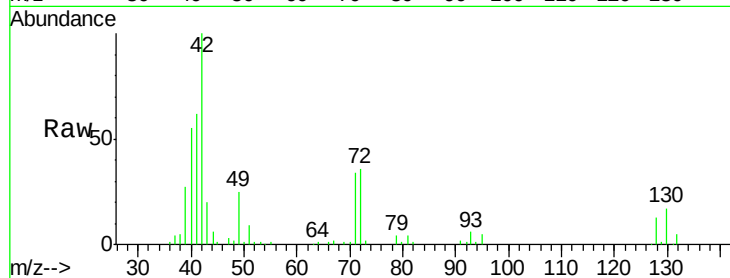
Tot Ion: 42 Resp: 157103

Ion Ratio Lower Upper

42 100

72 36.0 37.8 56.6#

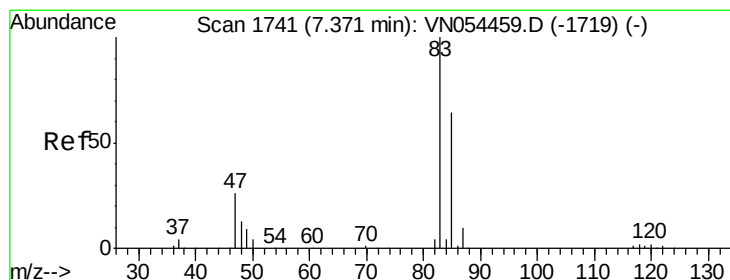
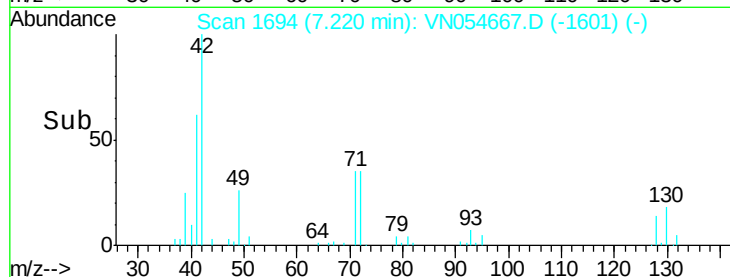
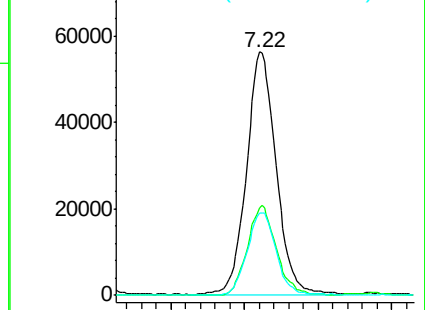
71 33.6 36.2 54.2#



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: 23.218 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054667.D

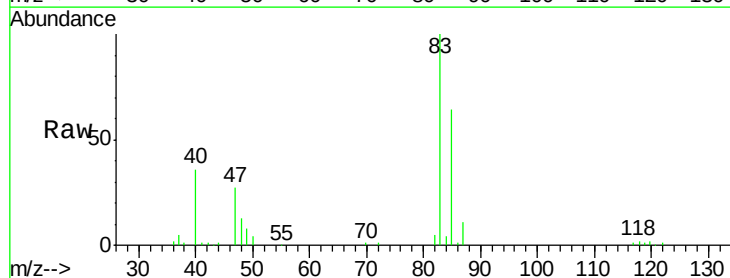
Acq: 25 Mar 2019 12:48

Tgt Ion: 83 Resp: 176622

Ion Ratio Lower Upper

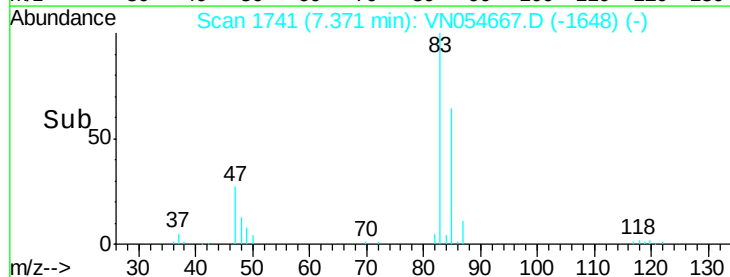
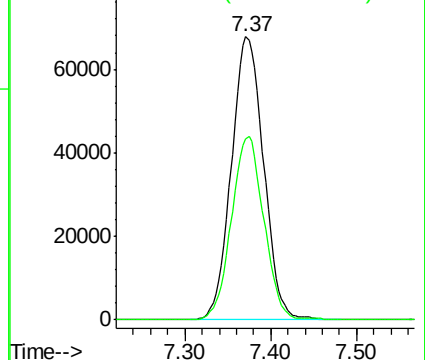
83 100

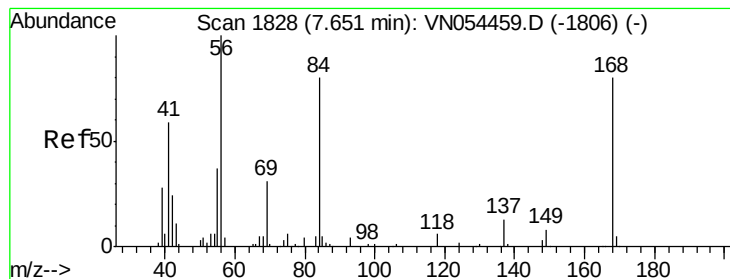
85 64.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 22.530 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

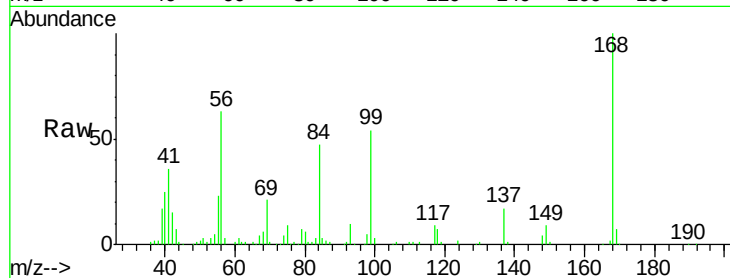
Tot Ion: 56 Resp: 175903

Ion Ratio Lower Upper

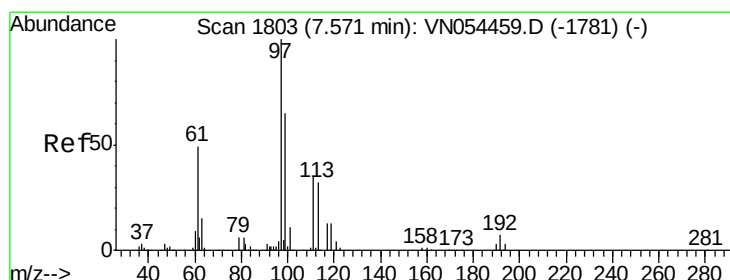
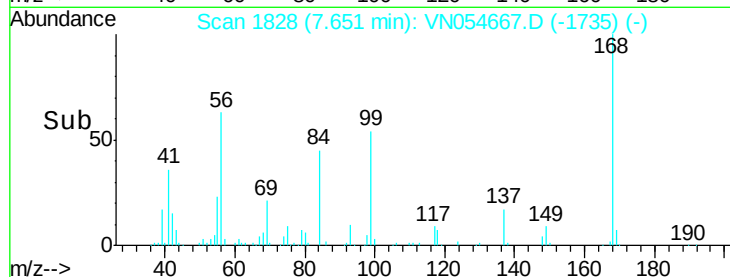
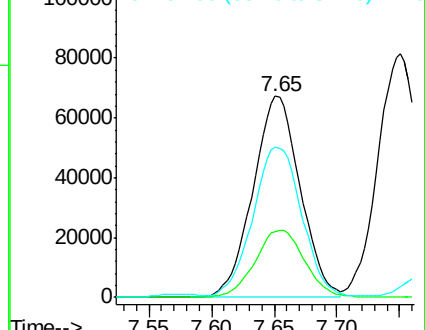
56 100

69 32.7 27.8 41.6

84 73.4 74.6 111.8#



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



#32

1,1,1-Trichloroethane

Concen: 22.015 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

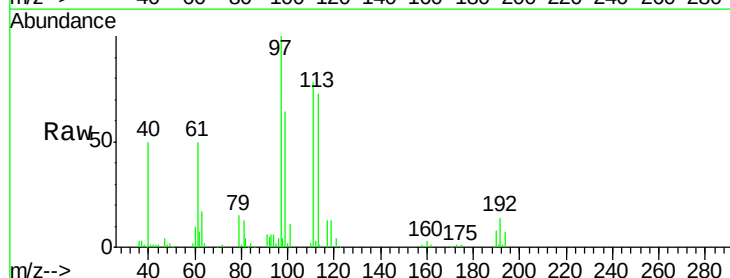
Tgt Ion: 97 Resp: 138164

Ion Ratio Lower Upper

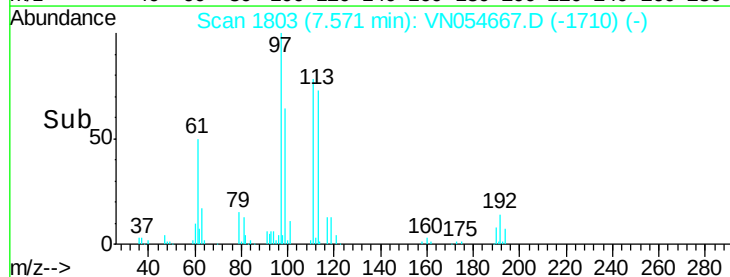
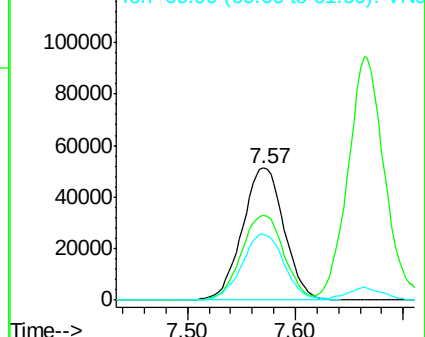
97 100

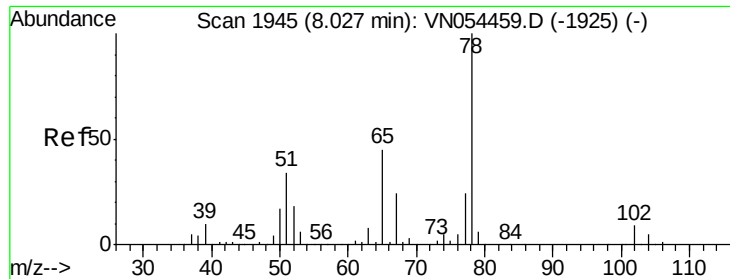
99 65.2 51.5 77.3

61 50.4 33.6 50.4



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

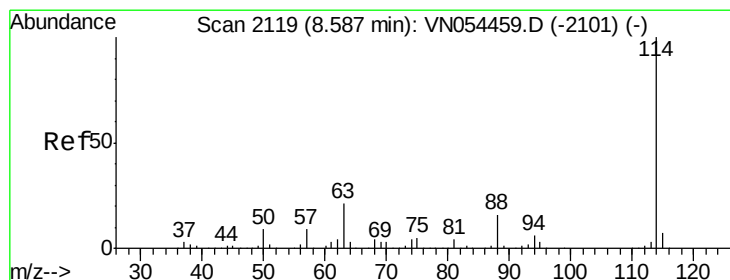
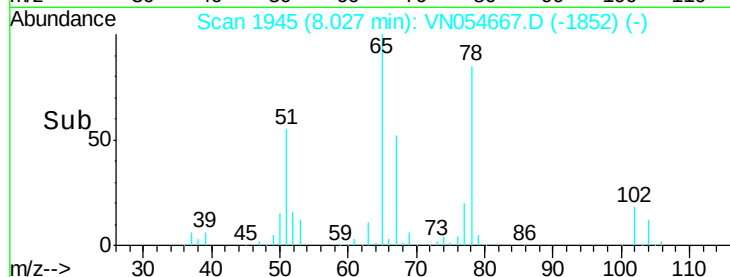
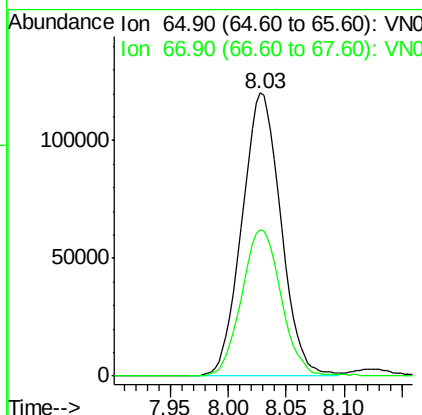
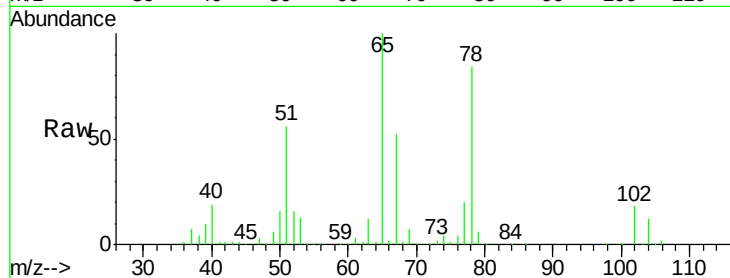




#33
 1,2-Dichloroethane-d4
 Concen: 56.024 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

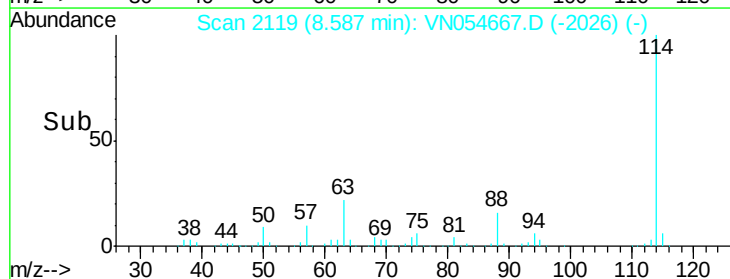
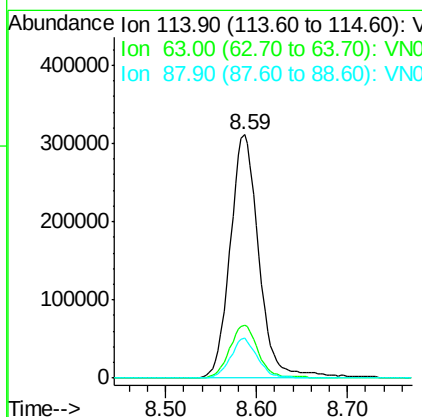
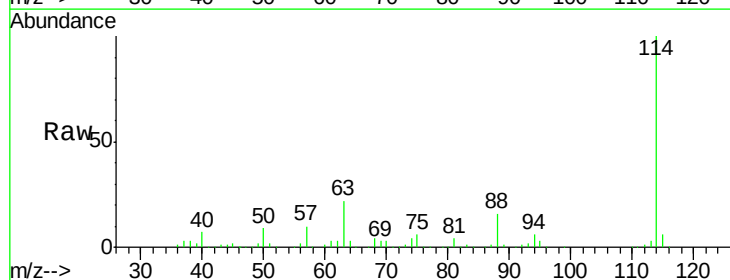
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

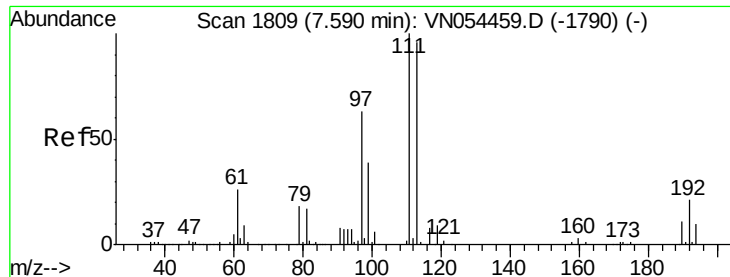
Tot Ion: 65 Resp: 281595
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 114 Resp: 682309
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 16.2 0.0 30.2

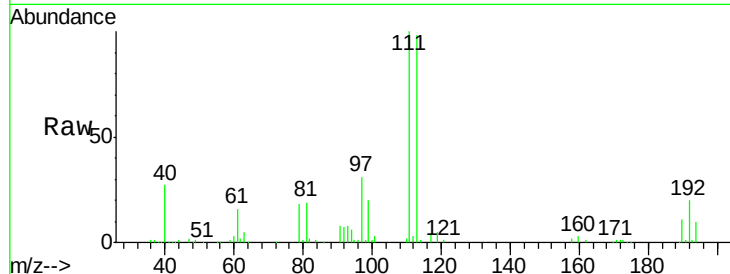




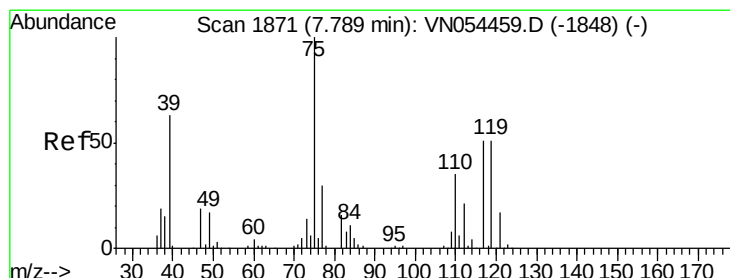
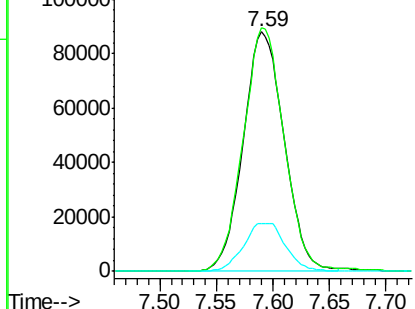
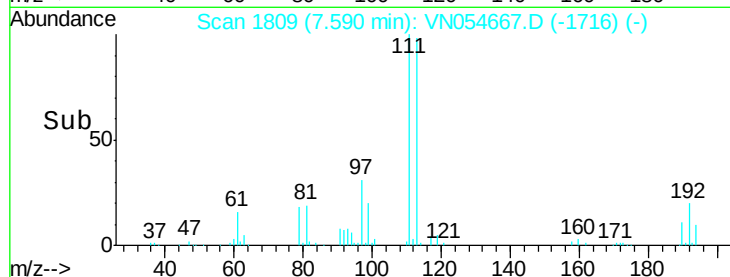
#35
 Dibromofluoromethane
 Concen: 50.364 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.6	19.2	28.8

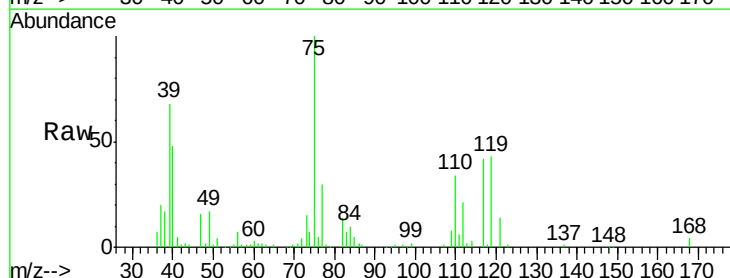


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

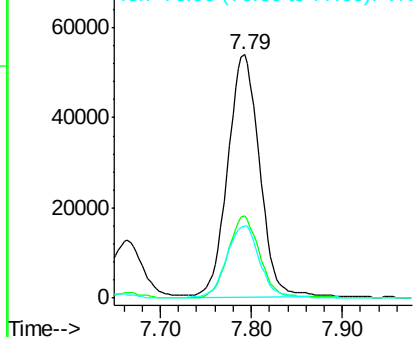
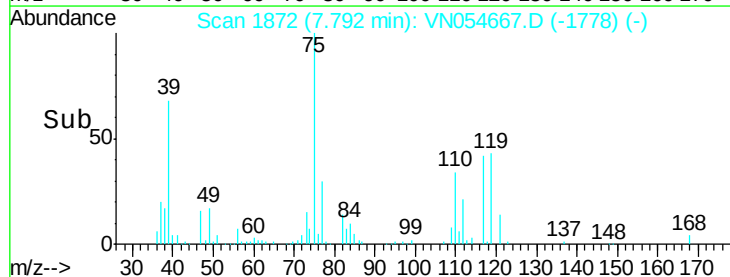


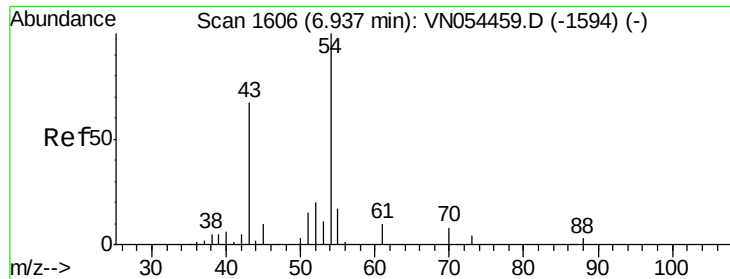
#36
 1,1-Dichloropropene
 Concen: 20.414 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.5
77	31.4	25.0	37.4



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

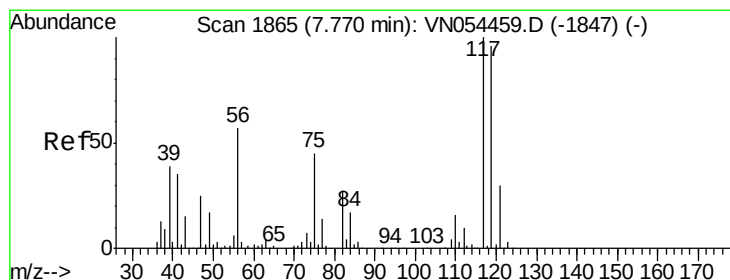
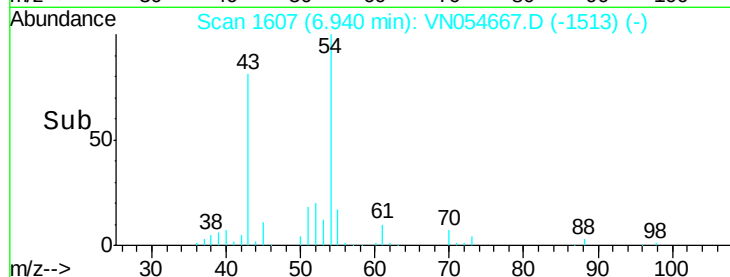
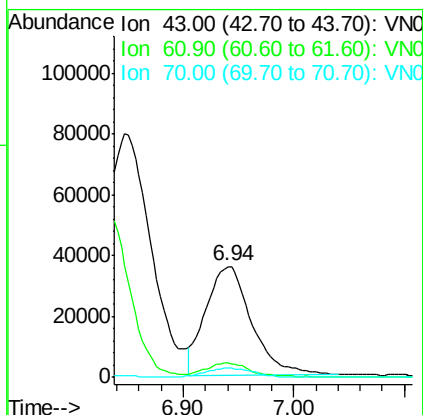
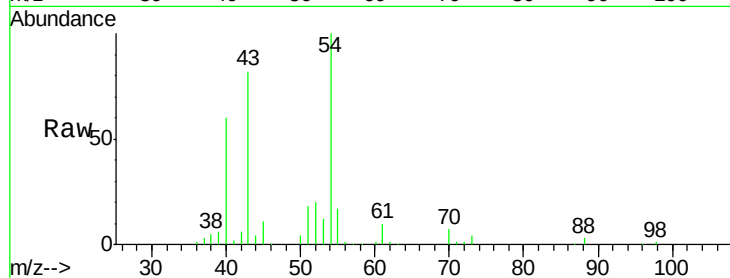




#37
Ethyl Acetate
Concen: 22.637 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

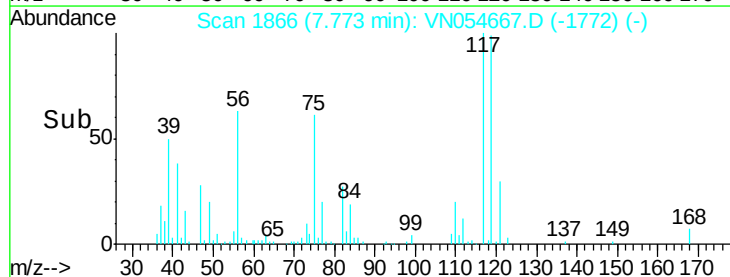
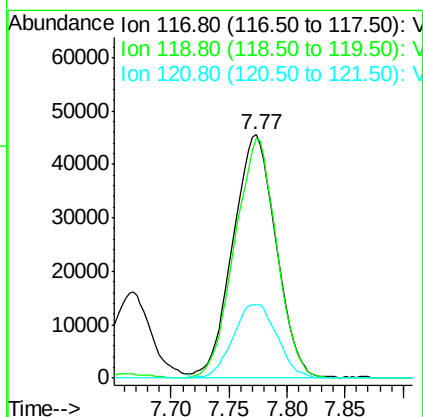
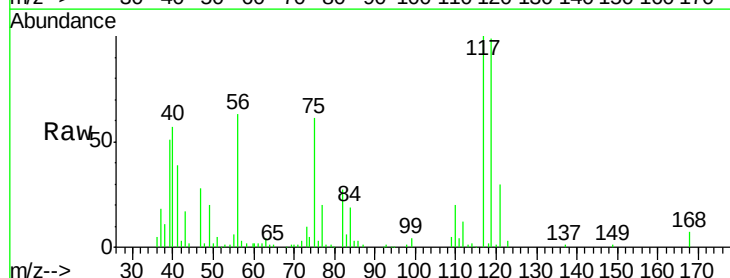
Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

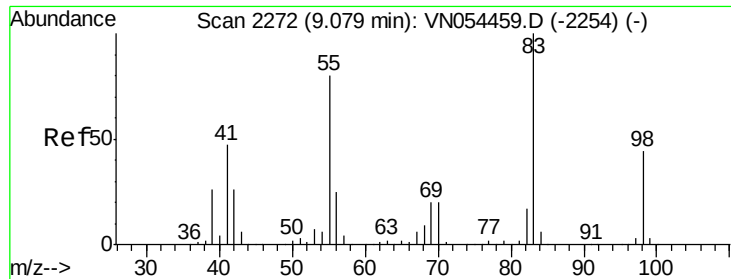
Tot Ion: 43 Resp: 102715
Ion Ratio Lower Upper
43 100
61 11.8 11.8 17.6
70 8.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.893 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 117 Resp: 117128
Ion Ratio Lower Upper
117 100
119 99.0 76.3 114.5
121 30.2 24.6 36.8

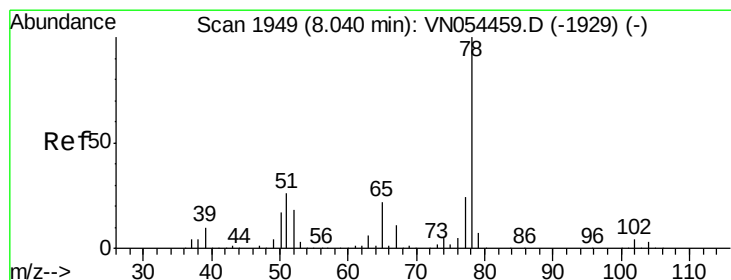
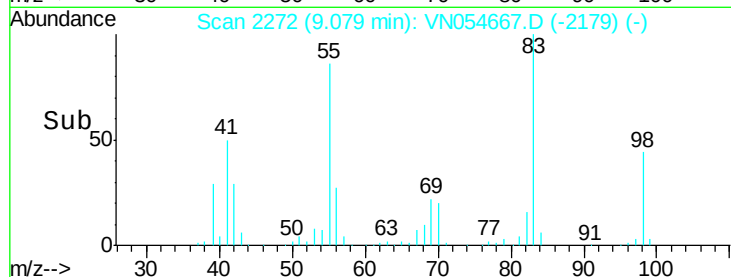
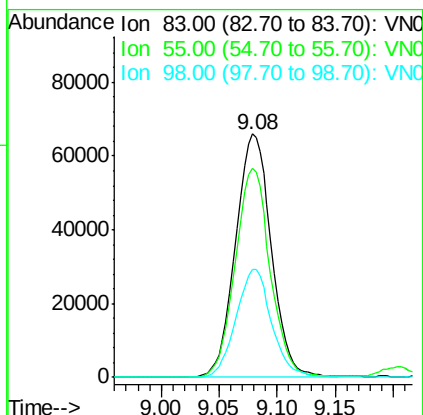
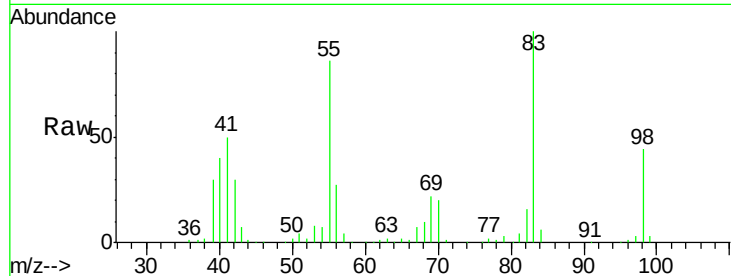




#39
Methylvlcyclohexane
Concen: 19.330 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

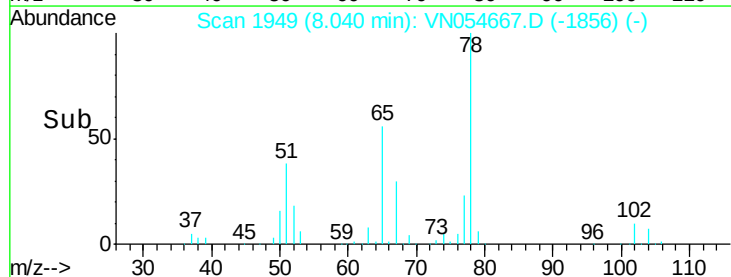
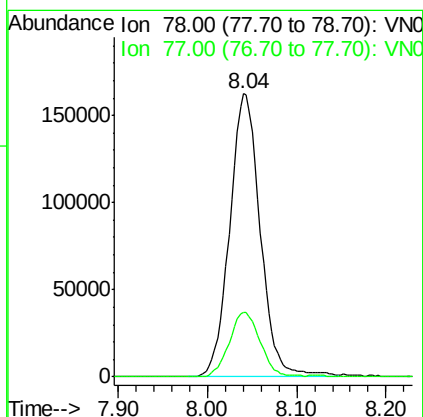
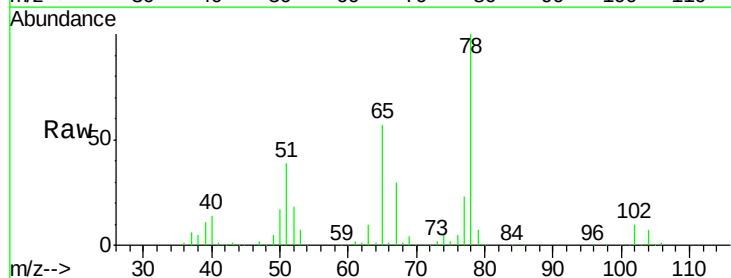
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

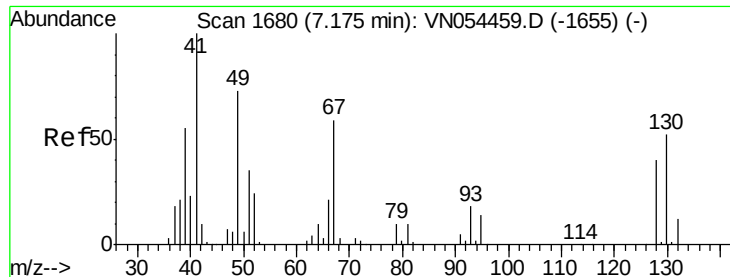
Tot Ion: 83 Resp: 141066
Ion Ratio Lower Upper
83 100
55 85.7 56.6 84.8#
98 44.1 38.4 57.6



#40
Benzene
Concen: 21.204 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 78 Resp: 386827
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

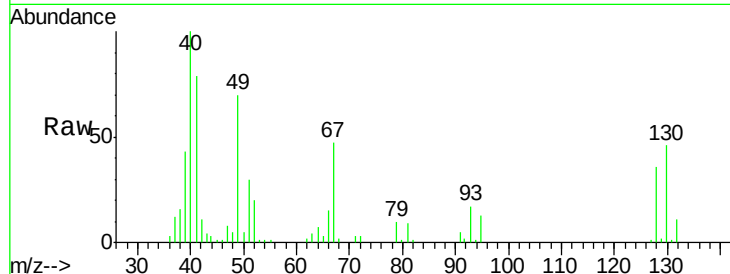




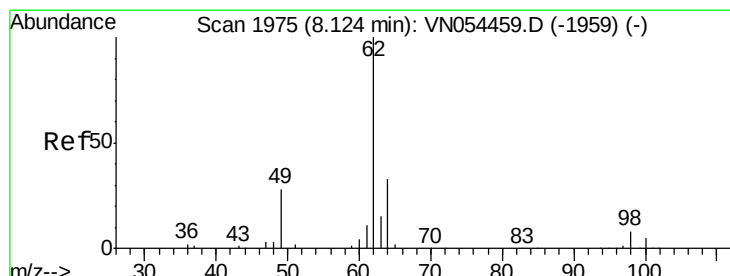
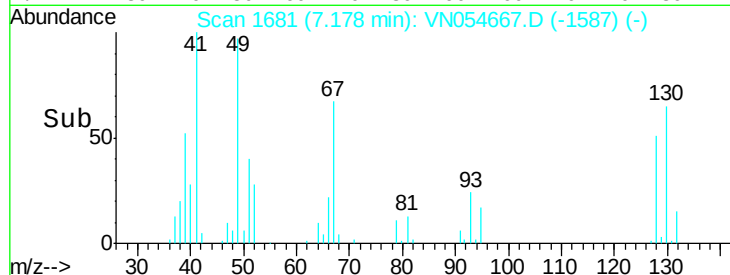
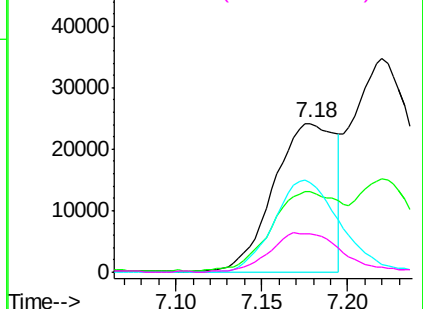
#41
Methacrylonitrile
Concen: 21.824 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

Tot Ion: 41 Resp: 60390
Ion Ratio Lower Upper
41 100
39 60.2 46.8 70.2
67 67.0 67.0 100.4
52 31.2 26.5 39.7

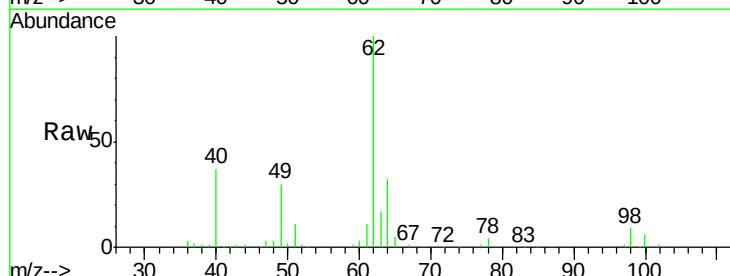


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

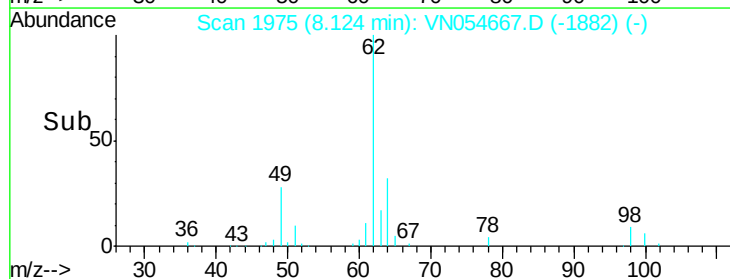
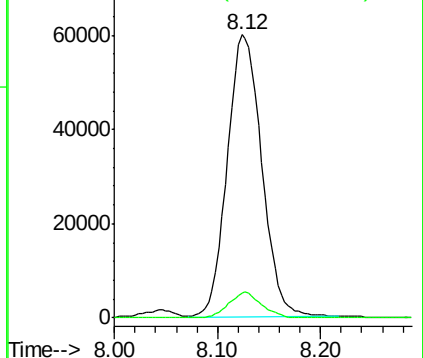


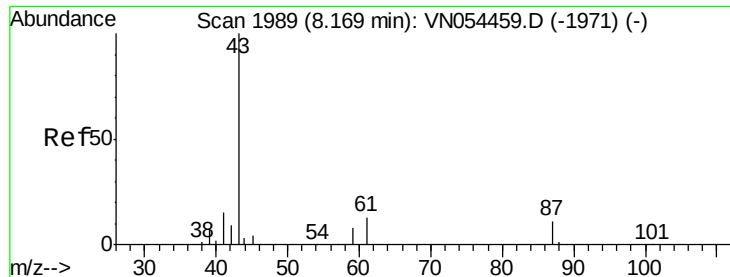
#42
1,2-Dichloroethane
Concen: 21.063 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 62 Resp: 139938
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 22.252 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

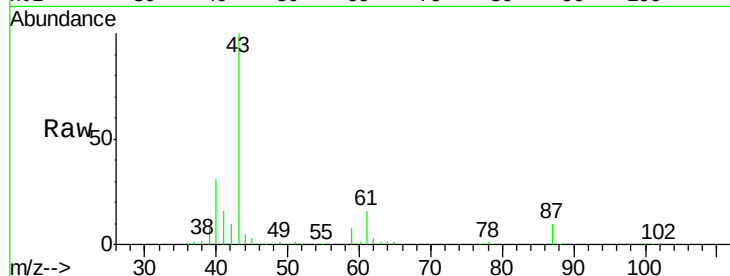
Tot Ion: 43 Resp: 170517

Ion Ratio Lower Upper

43 100

61 16.1 15.8 23.8

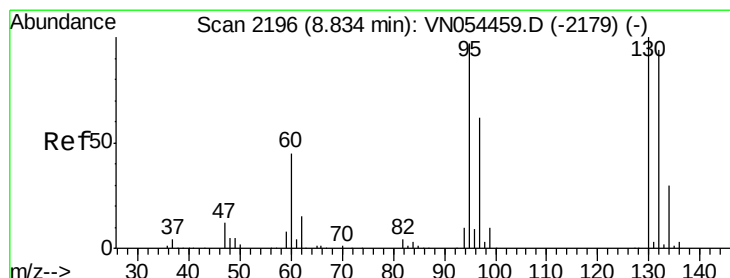
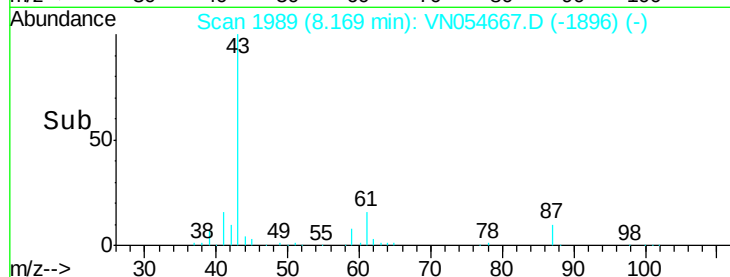
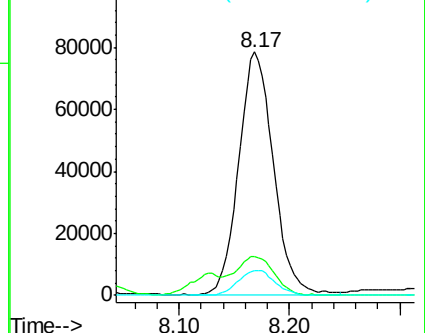
87 10.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 20.323 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054667.D

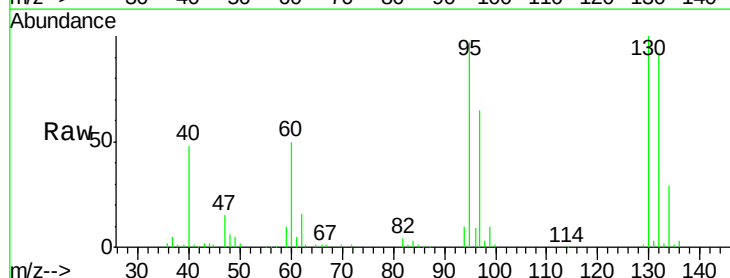
Acq: 25 Mar 2019 12:48

Tgt Ion:130 Resp: 103074

Ion Ratio Lower Upper

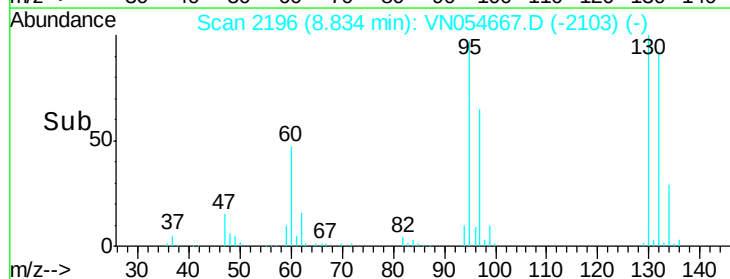
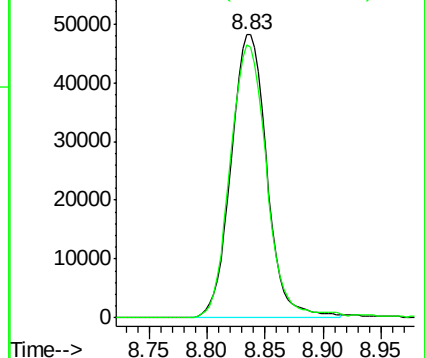
130 100

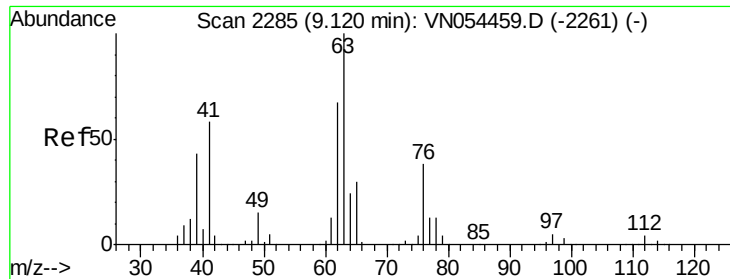
95 96.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

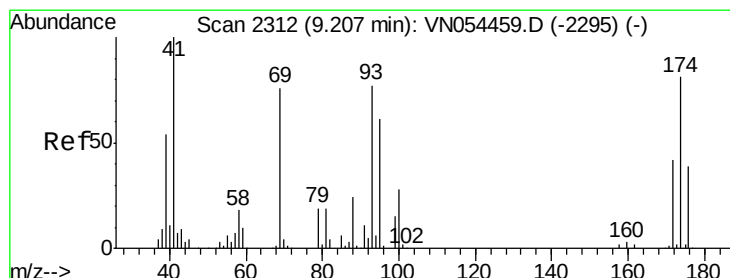
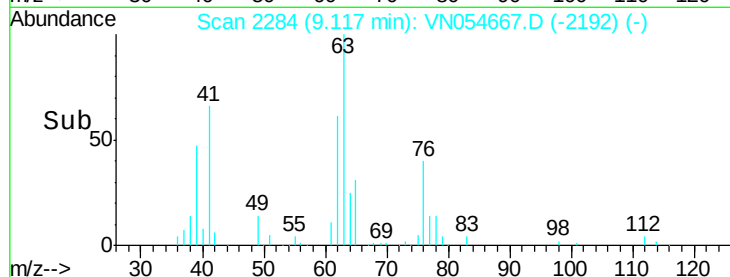
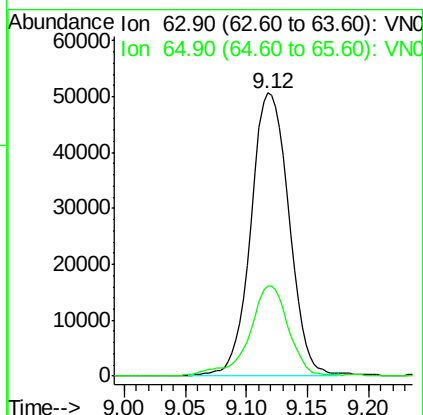
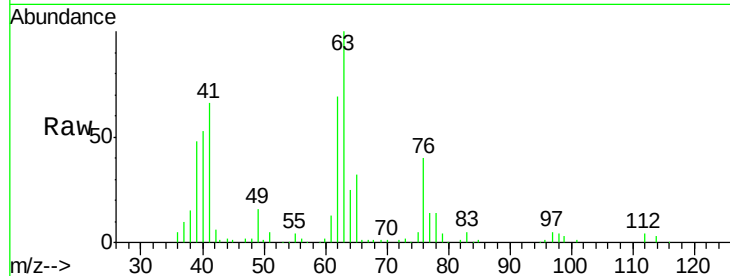




#45
 1,2-Dichloropropane
 Concen: 22.367 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

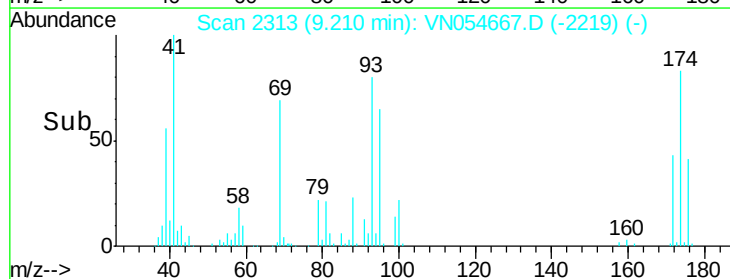
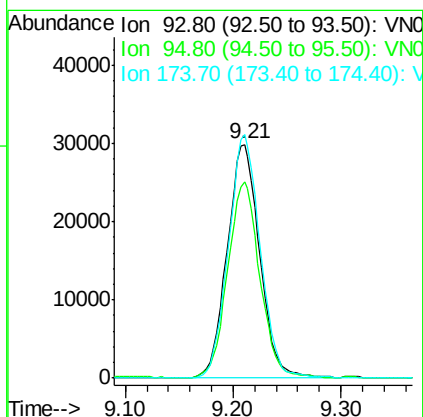
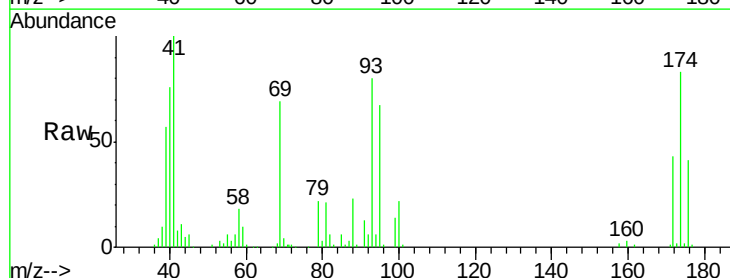
Instrument :
 MSVOA_N
 ClientSampled :
 VN0325MBS01

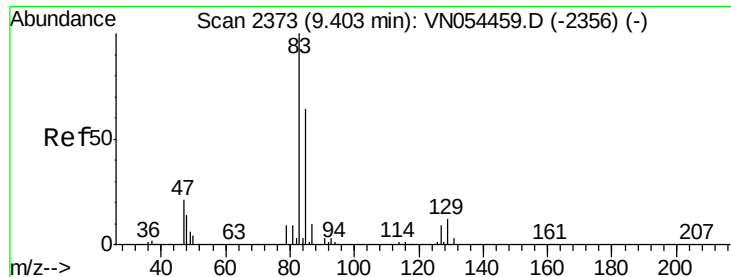
Tot Ion: 63 Resp: 109565
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.494 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 93 Resp: 62815
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 101.3 98.5 147.7

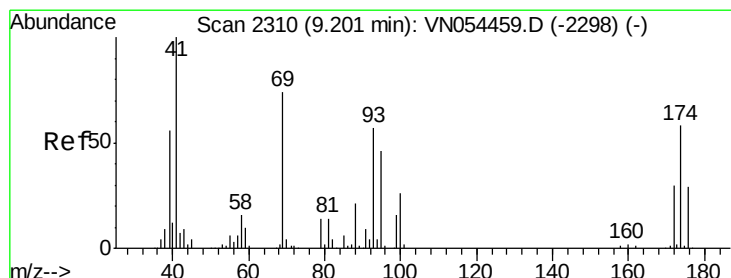
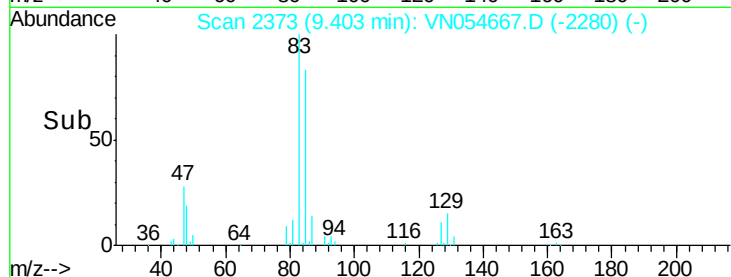
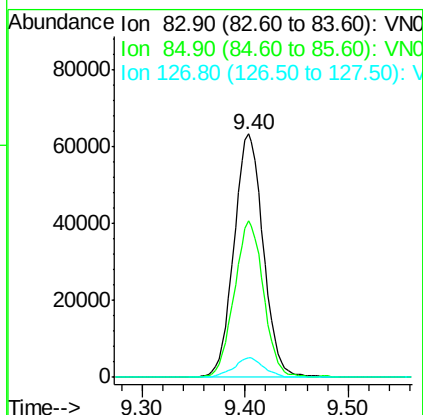
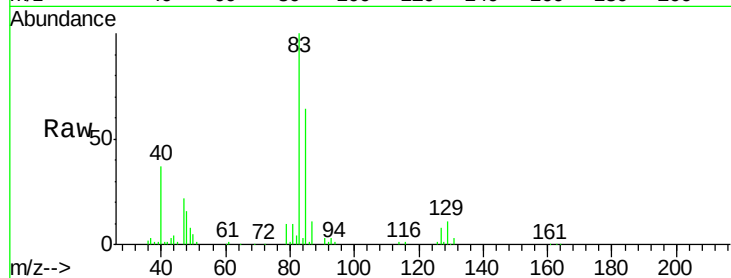




#47
Bromodichloromethane
Concen: 20.730 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

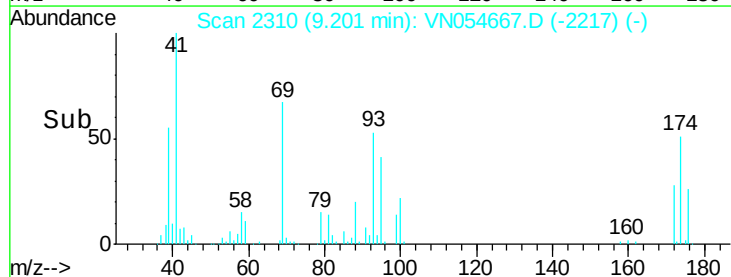
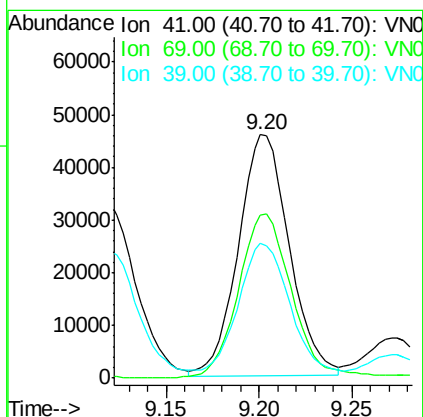
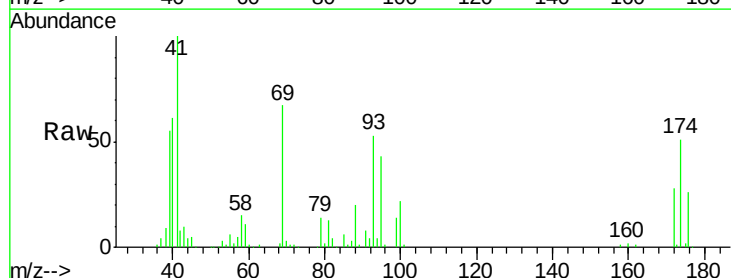
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

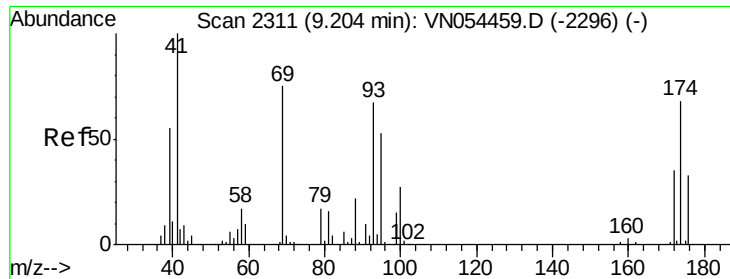
Tot Ion: 83 Resp: 125728
Ion Ratio Lower Upper
83 100
85 64.2 52.8 79.2
127 8.1 7.4 11.2



#48
Methyl methacrylate
Concen: 20.956 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 41 Resp: 87159
Ion Ratio Lower Upper
41 100
69 73.5 72.6 108.8
39 56.6 47.5 71.3





#49

1,4-Dioxane

Concen: 419.160 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

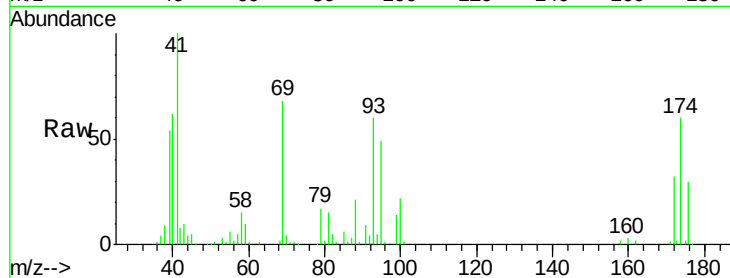
Tot Ion: 88 Resp: 19490

Ion Ratio Lower Upper

88 100

43 41.5 24.1 36.1#

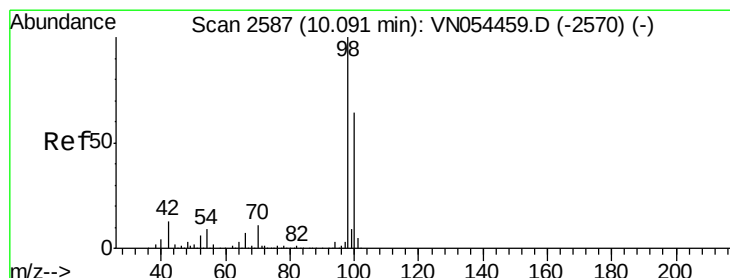
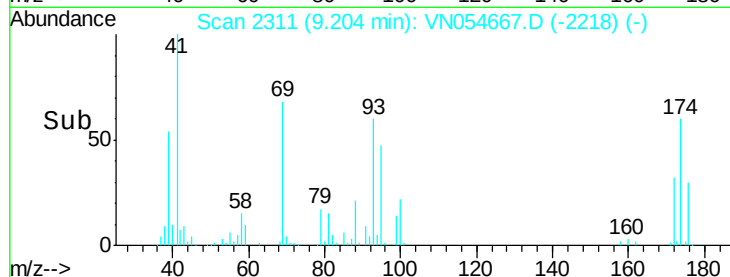
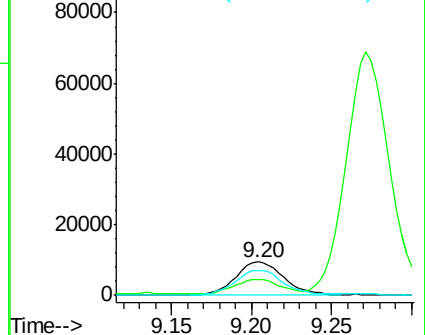
58 76.6 50.8 76.2#



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: 49.098 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054667.D

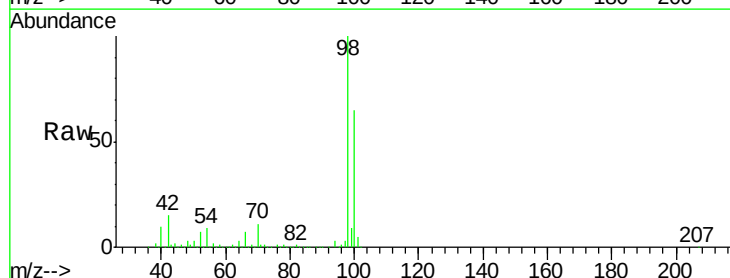
Acq: 25 Mar 2019 12:48

Tgt Ion: 98 Resp: 811364

Ion Ratio Lower Upper

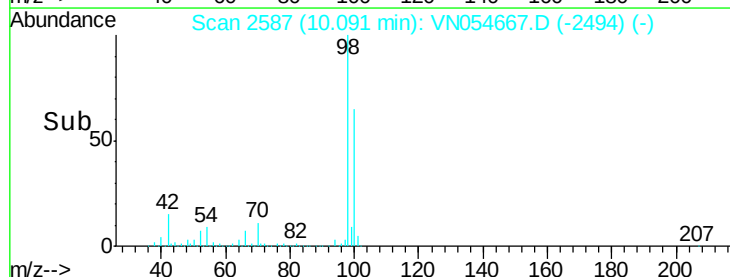
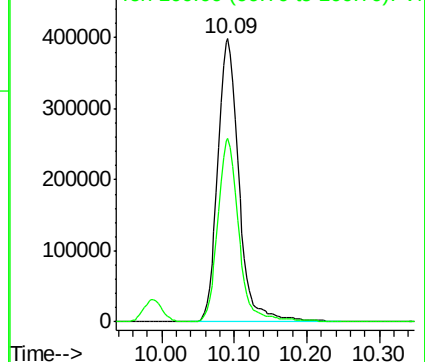
98 100

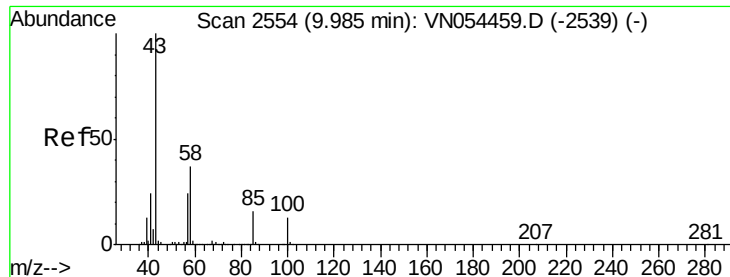
100 63.8 51.2 76.8



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: 112.258 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

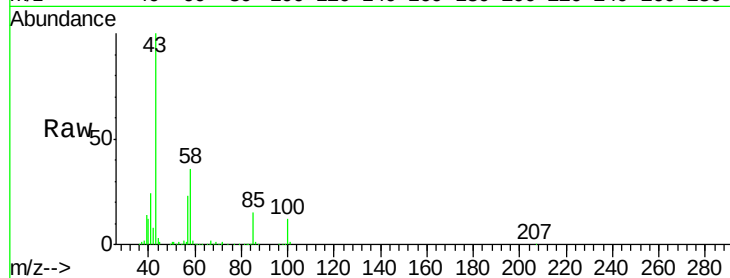
VN0325MBS01

Tot Ion: 43 Resp: 476747

Ion Ratio Lower Upper

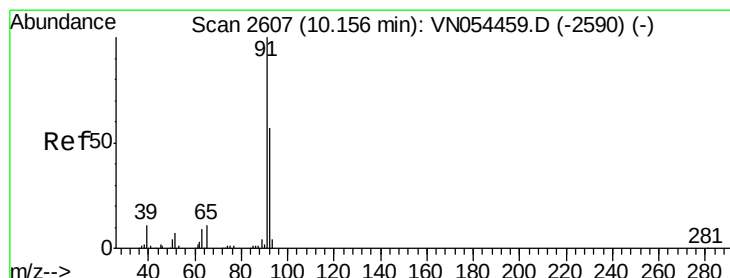
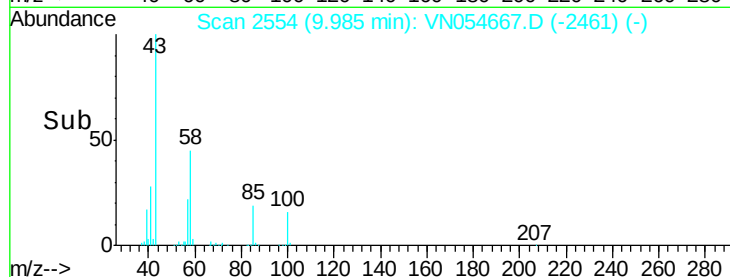
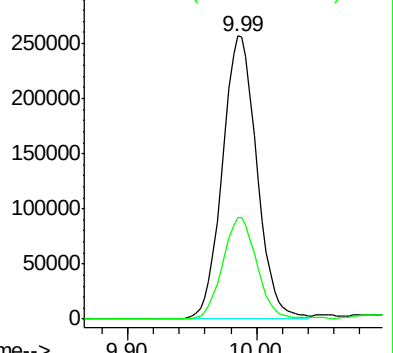
43 100

58 35.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.571 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054667.D

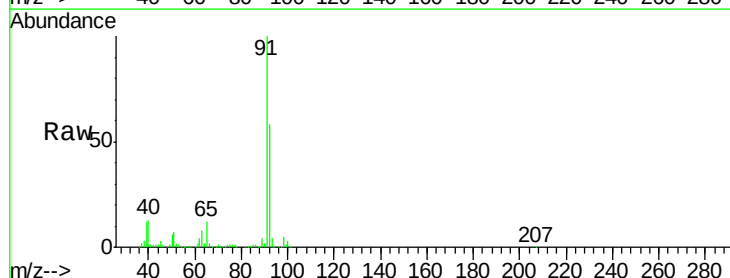
Acq: 25 Mar 2019 12:48

Tgt Ion: 92 Resp: 230818

Ion Ratio Lower Upper

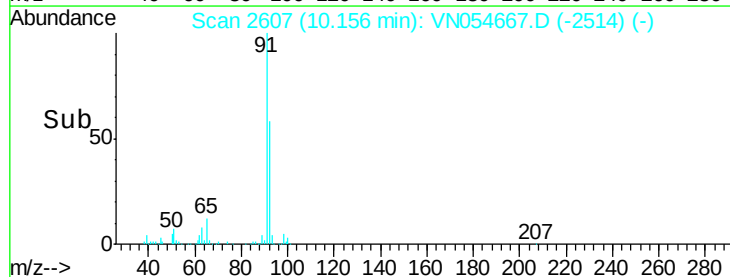
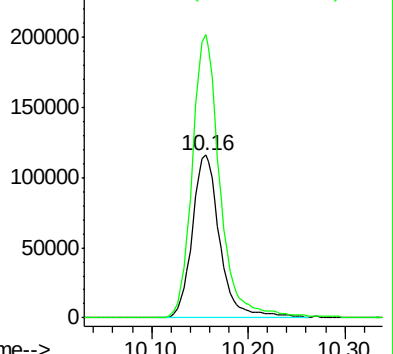
92 100

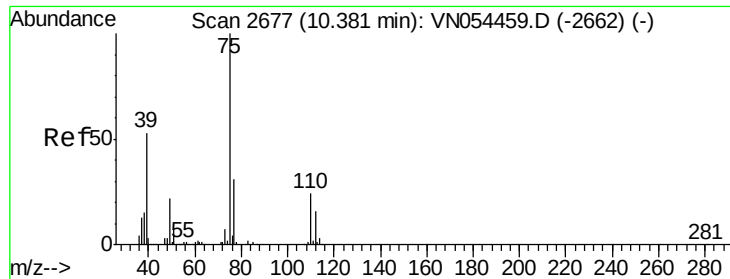
91 174.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.935 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

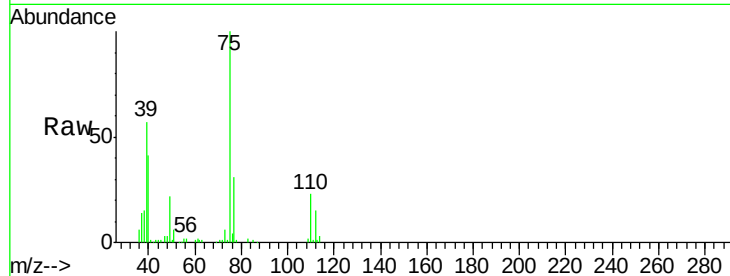
VN0325MBS01

Tot Ion: 75 Resp: 111859

Ion Ratio Lower Upper

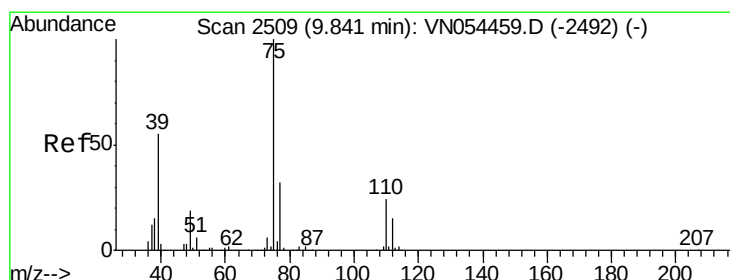
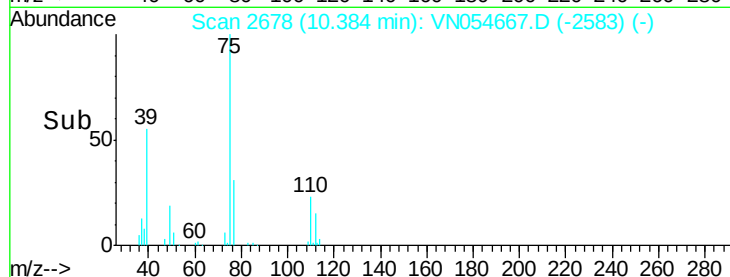
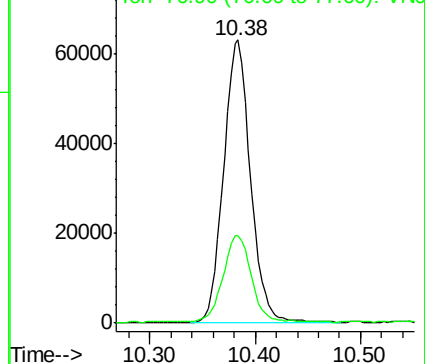
75 100

77 30.5 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: 20.328 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

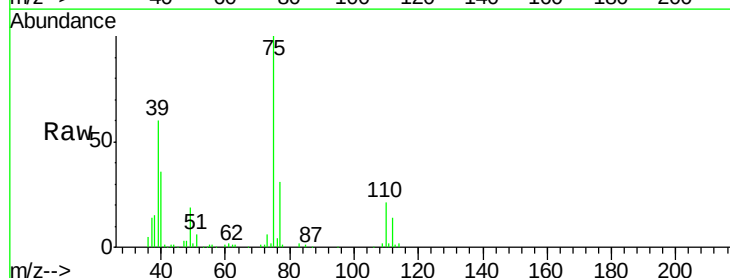
Tgt Ion: 75 Resp: 141362

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

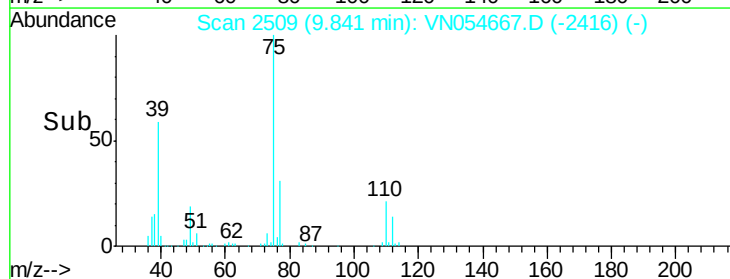
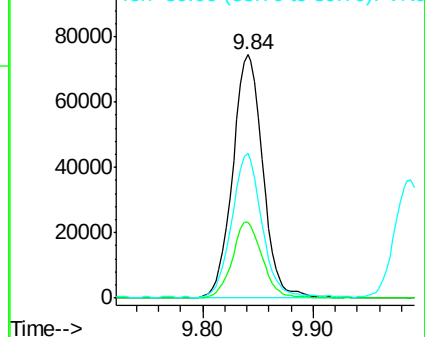
39 59.2 37.2 55.8#

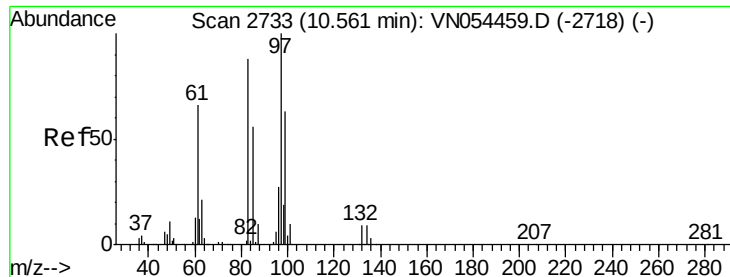


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

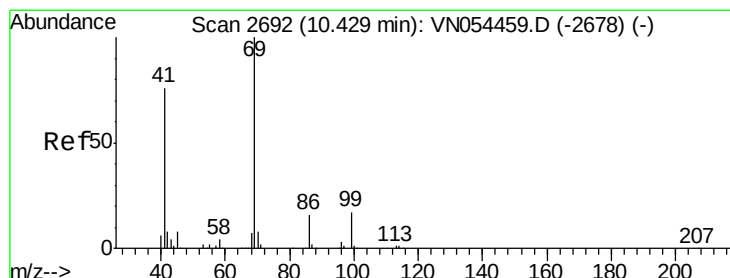
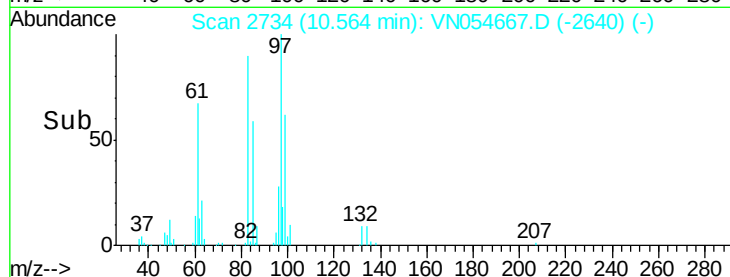
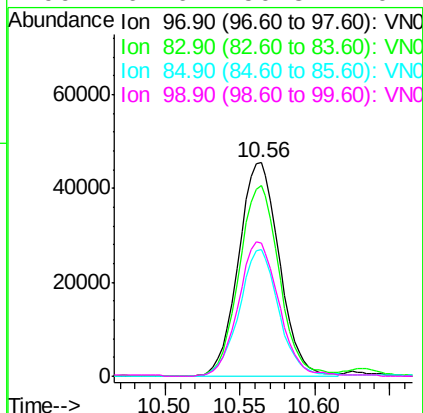
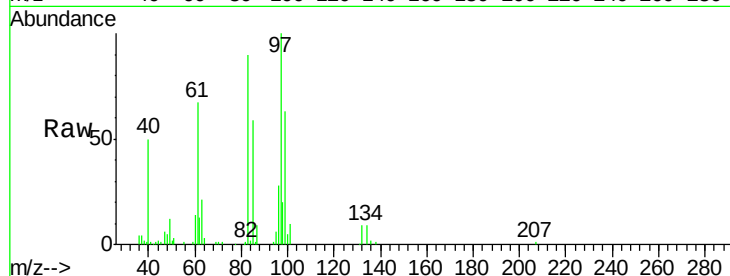




#55
 1,1,2-Trichloroethane
 Concen: 21.476 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

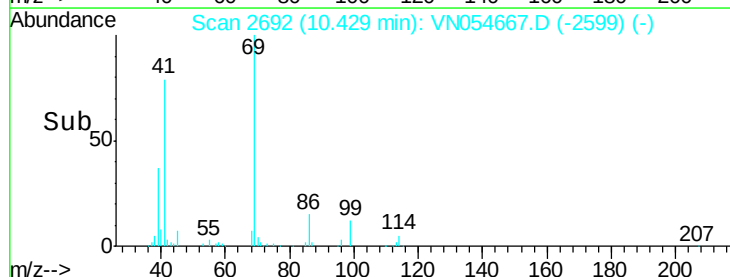
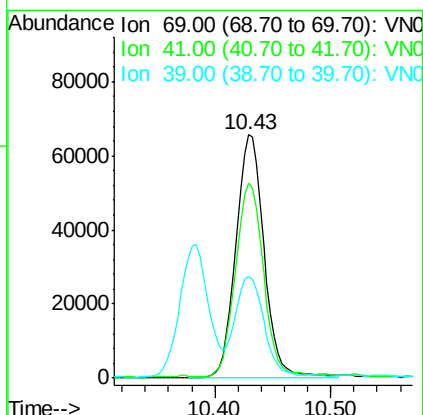
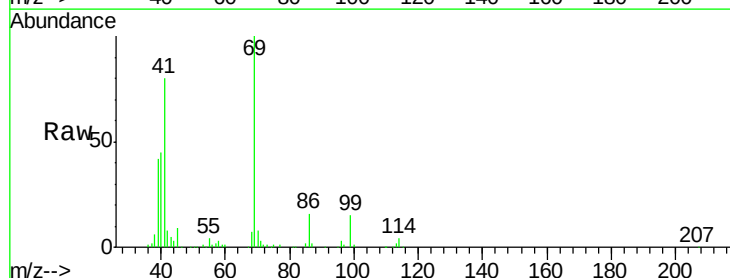
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

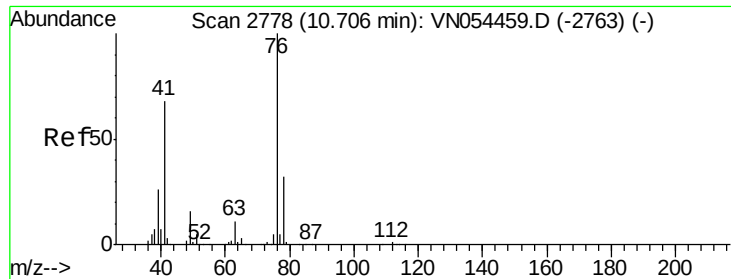
Tot Ion:	97	Resp:	86620
Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.6	100.0
85	59.1	44.4	66.6
99	62.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.504 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:	69	Resp:	110998
Ion	Ratio	Lower	Upper
69	100		
41	78.4	49.4	74.2#
39	41.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.712 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

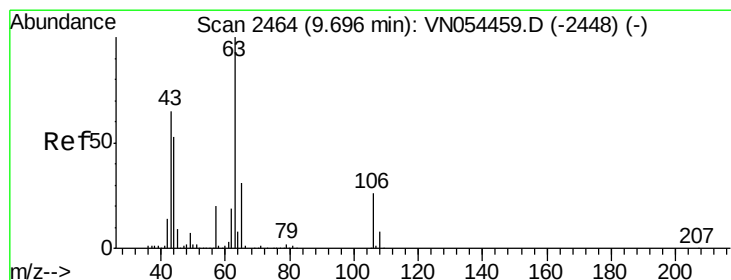
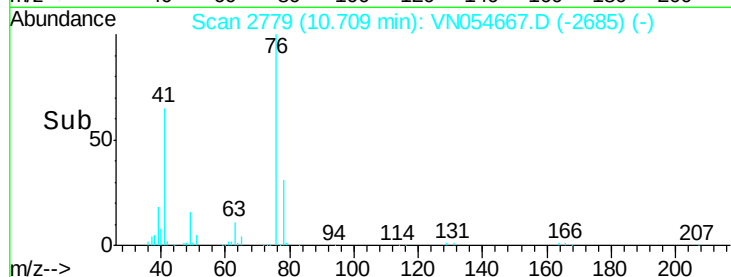
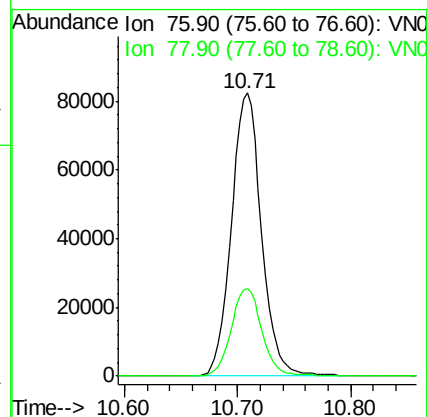
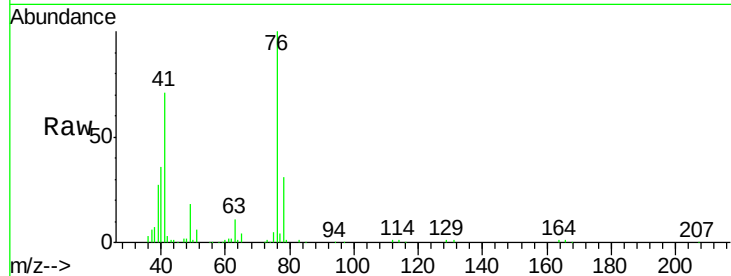
VN0325MBS01

Tot Ion: 76 Resp: 152224

Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 85.737 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054667.D

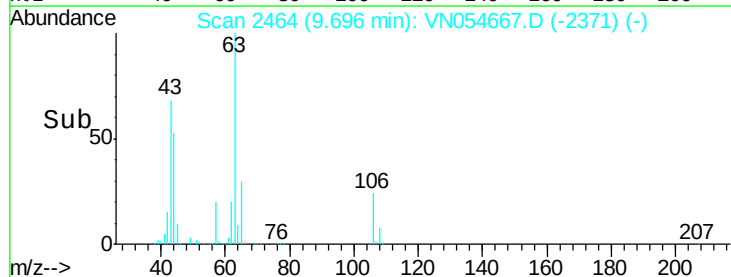
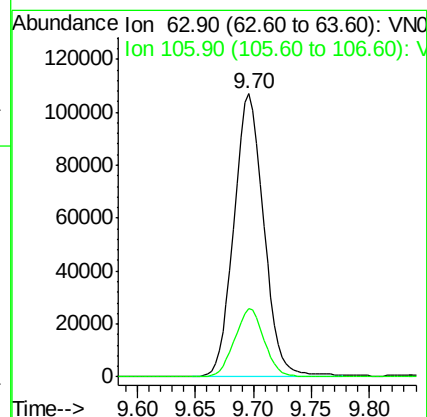
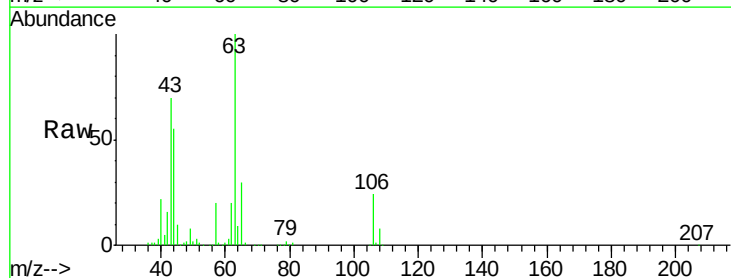
Acq: 25 Mar 2019 12:48

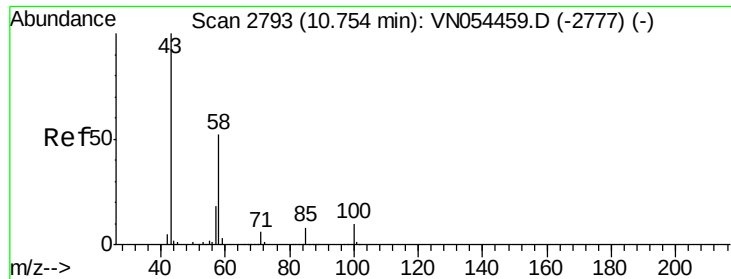
Tgt Ion: 63 Resp: 191121

Ion Ratio Lower Upper

63 100

106 23.7 24.4 36.6#

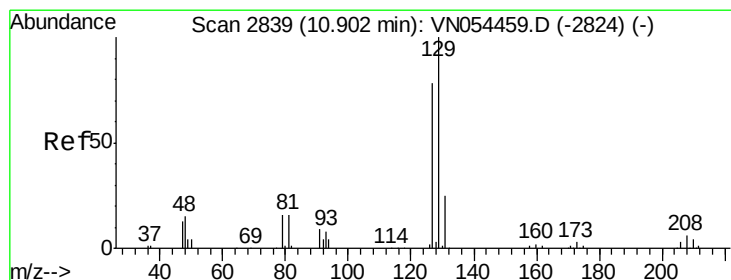
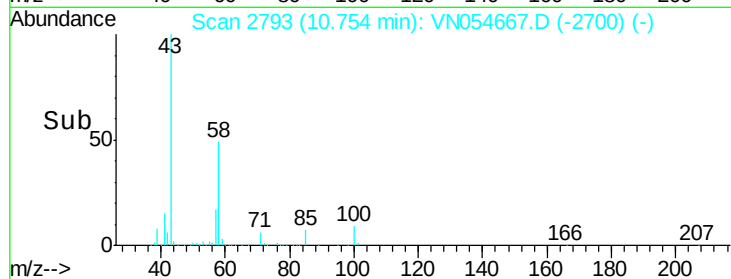
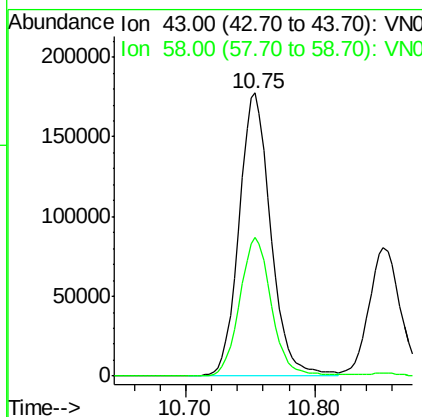
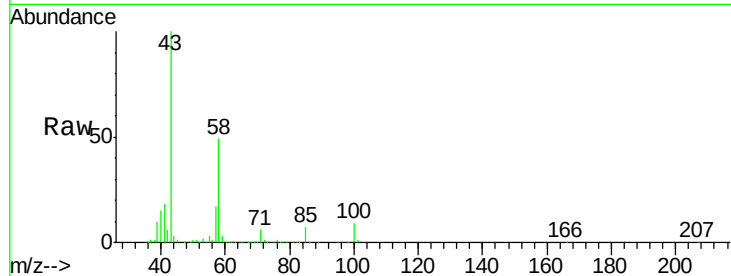




#59
2-Hexanone
Concen: 108.648 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

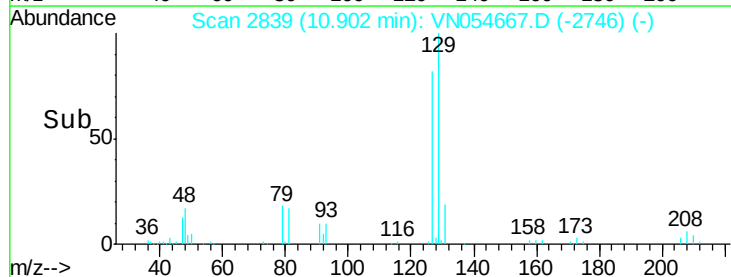
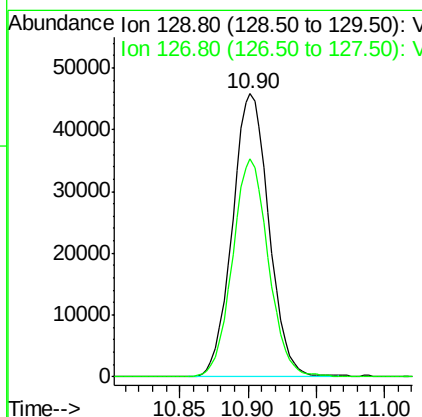
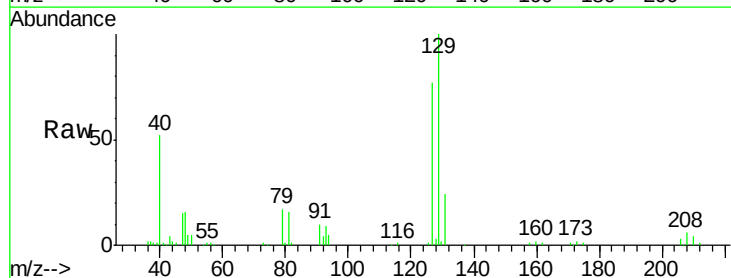
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

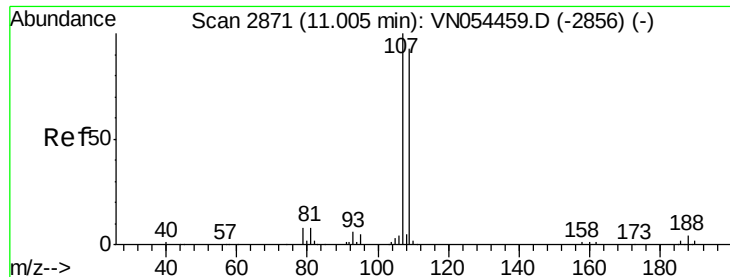
Tot Ion: 43 Resp: 301393
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9



#60
Dibromochloromethane
Concen: 19.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 129 Resp: 85070
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.834 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

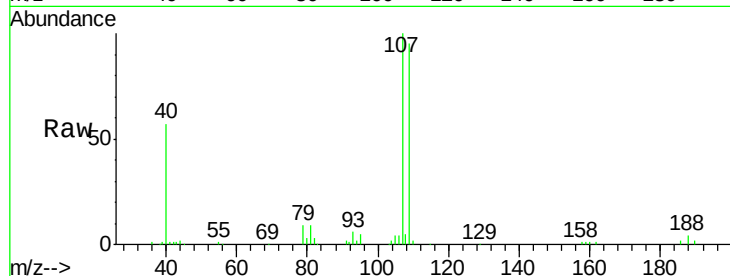
VN0325MBS01

Tot Ion:107 Resp: 83071

Ion Ratio Lower Upper

107 100

109 93.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

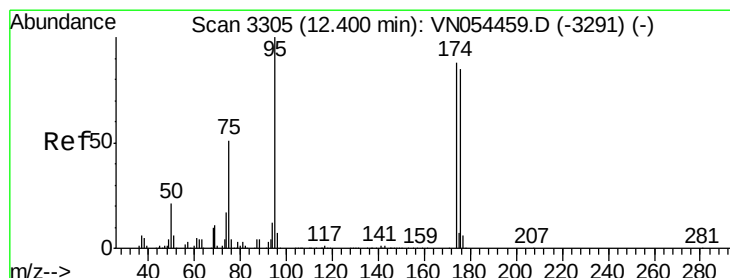
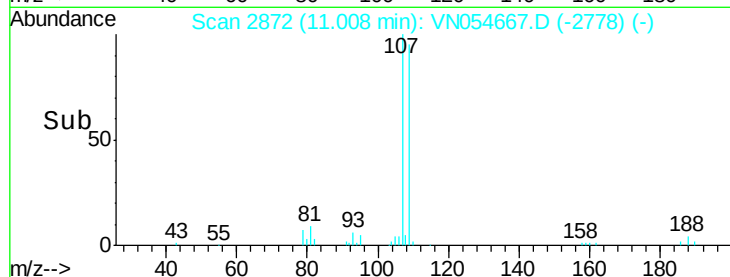
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.591 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

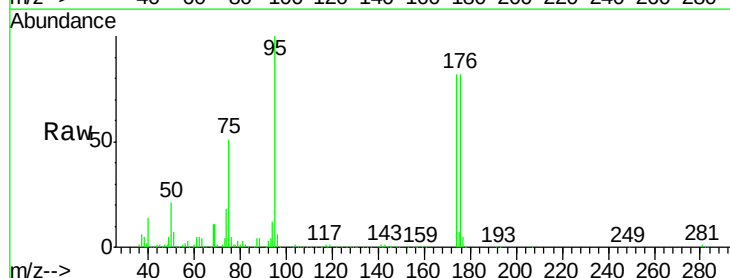
Tgt Ion: 95 Resp: 273244

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

176 81.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

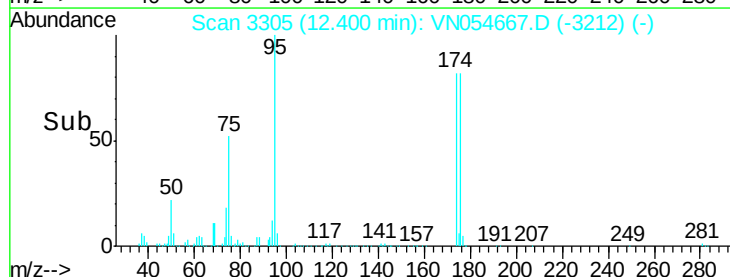
150000

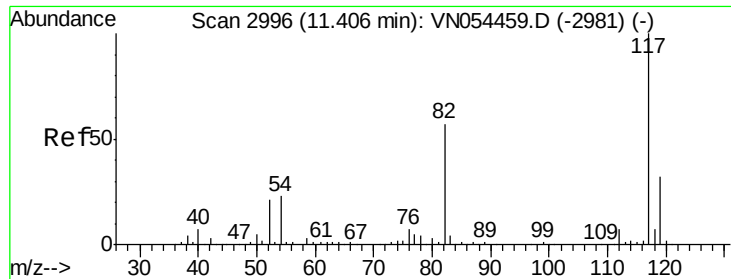
100000

50000

0

Time--> 12.30 12.40 12.50

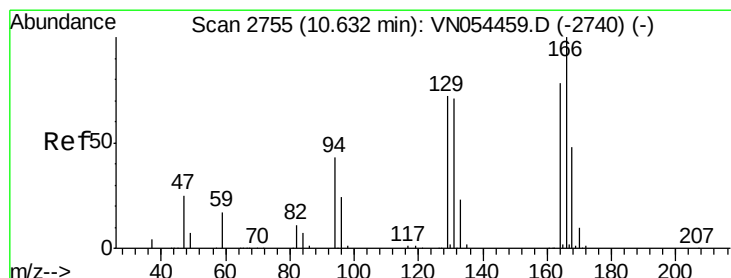
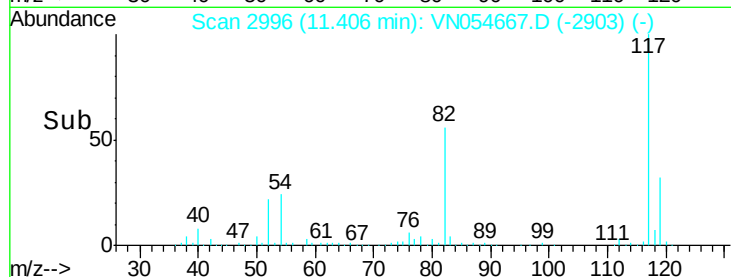
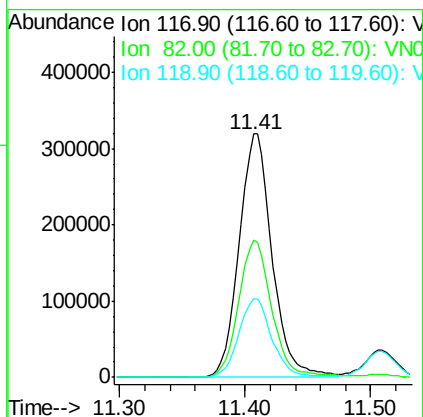
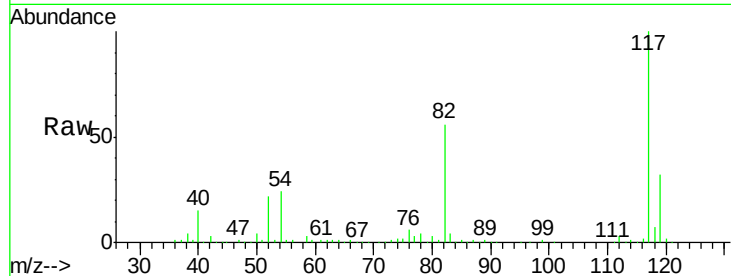




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

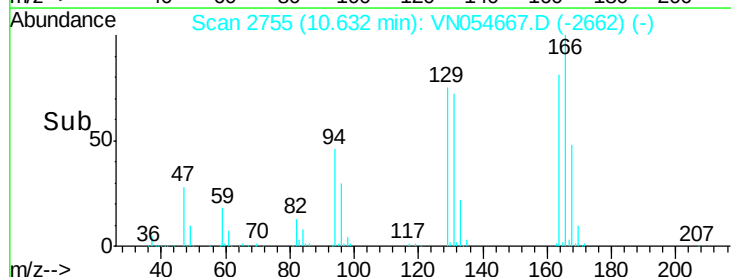
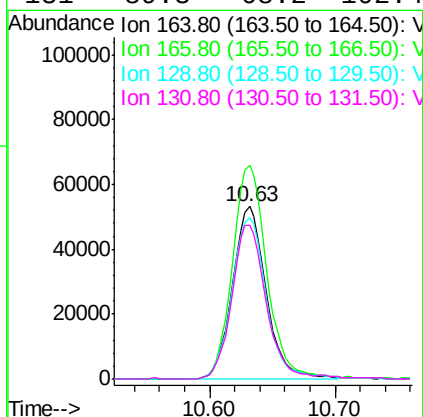
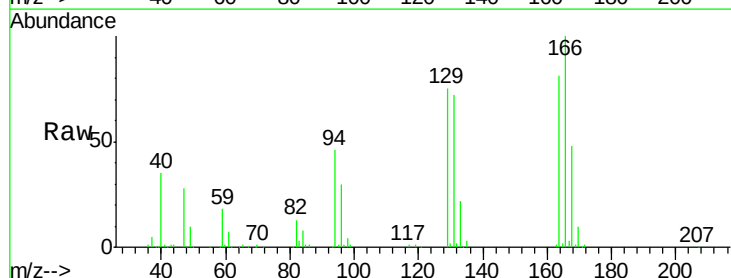
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBS01

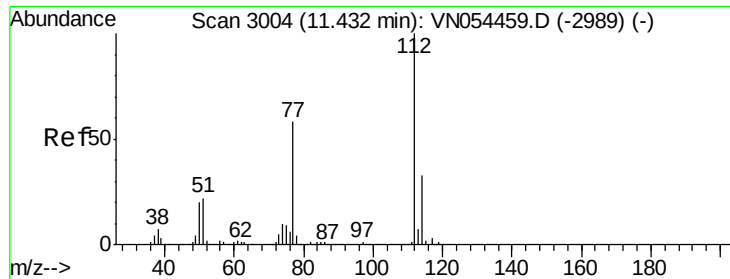
Tot Ion:117 Resp: 584715
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 20.451 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion:164 Resp: 99188
Ion Ratio Lower Upper
164 100
166 123.9 103.9 155.9
129 93.4 71.1 106.7
131 89.3 68.2 102.4

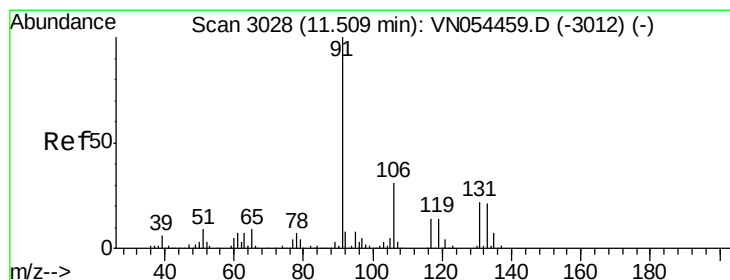
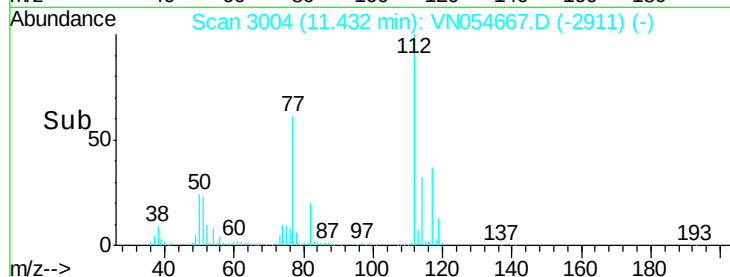
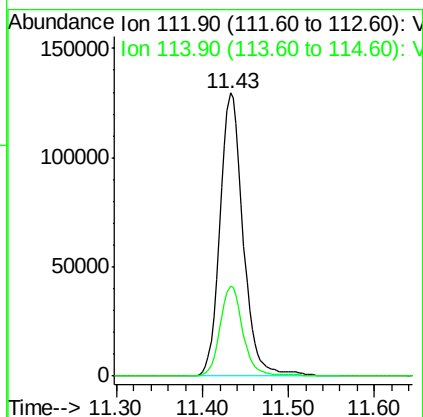
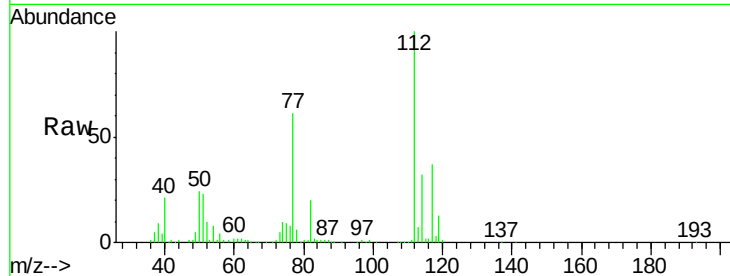




#65
Chlorobenzene
Concen: 20.506 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

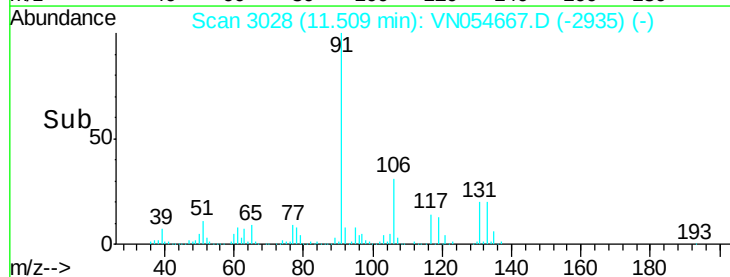
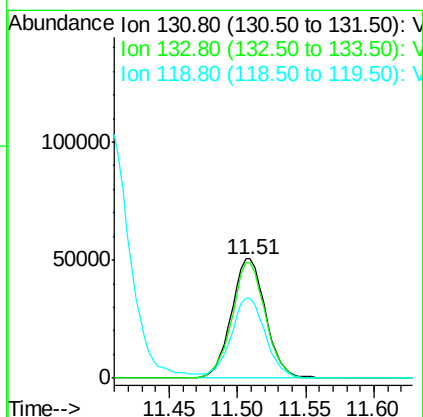
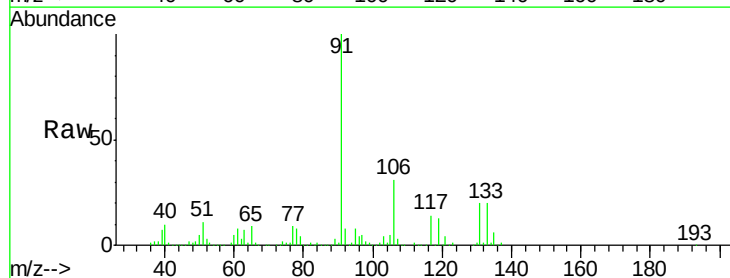
Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

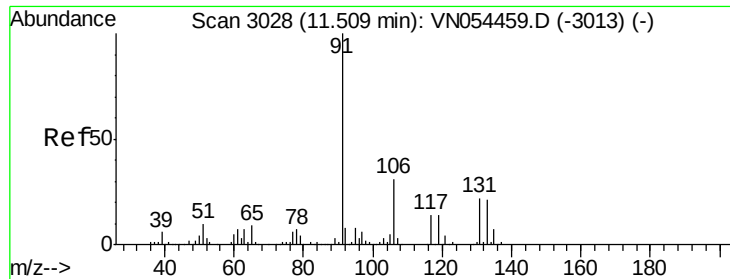
Tot Ion:112 Resp: 243864
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.709 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion:131 Resp: 88398
Ion Ratio Lower Upper
131 100
133 93.8 47.6 142.9
119 67.5 32.4 97.0

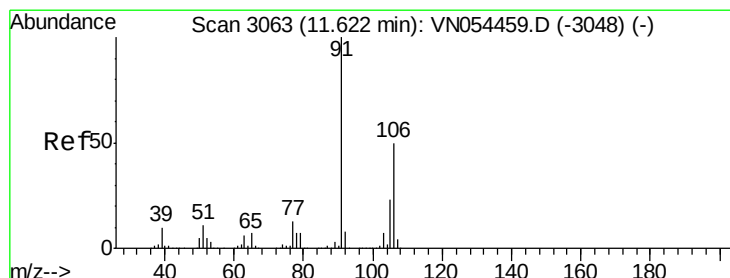
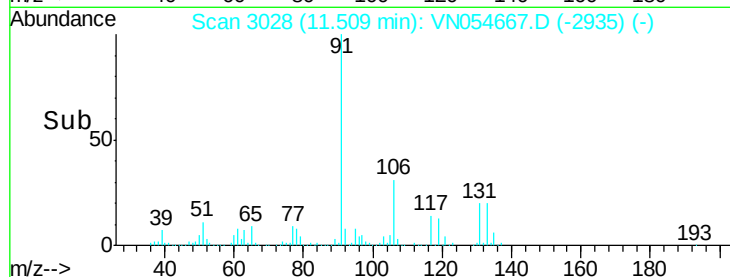
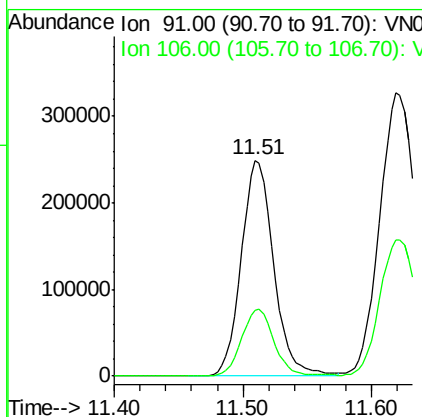
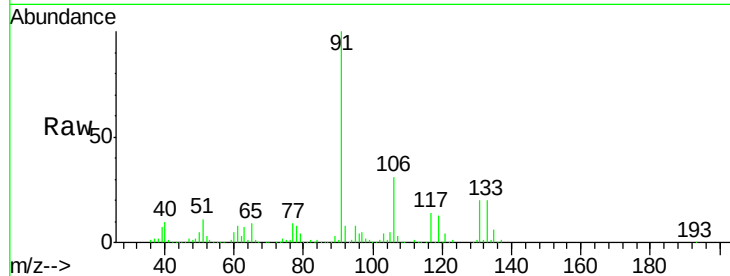




#67
Ethyl Benzene
Concen: 20.821 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

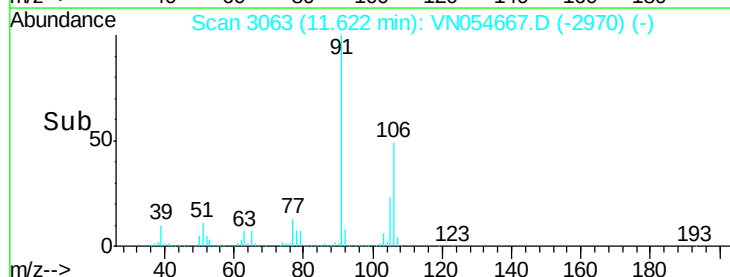
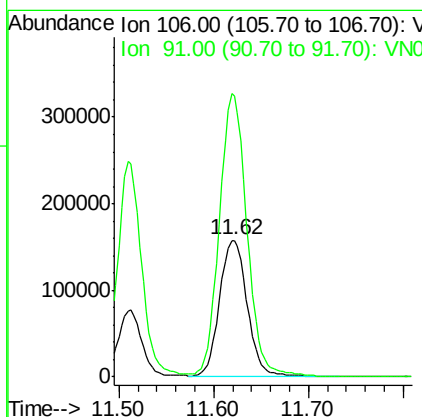
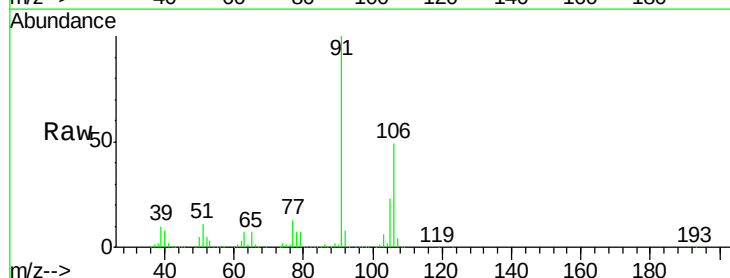
Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

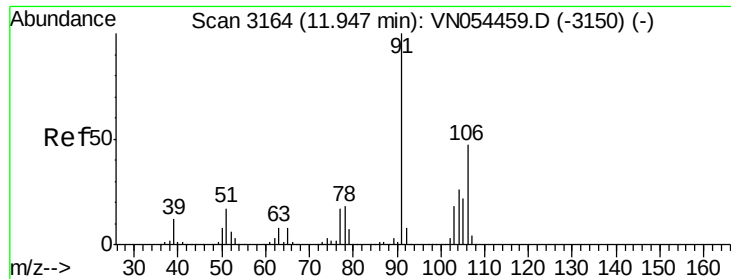
Tot Ion: 91 Resp: 437398
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 40.491 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion: 106 Resp: 322189
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2

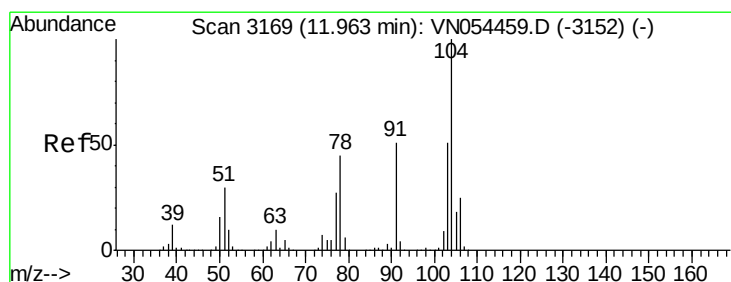
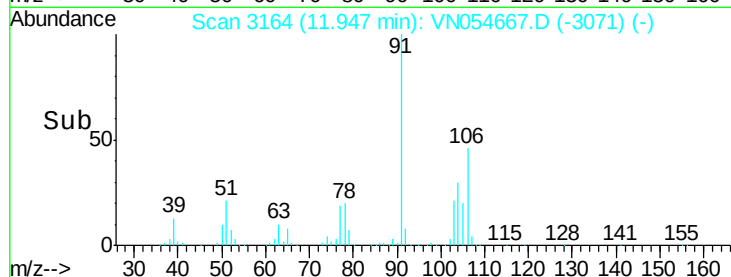
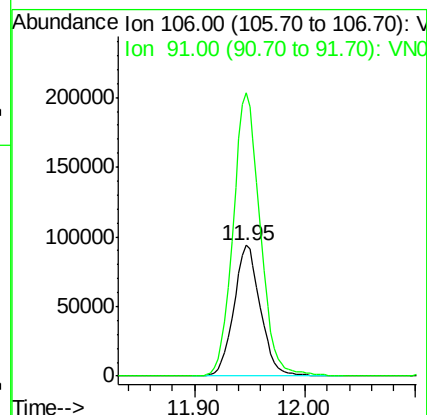
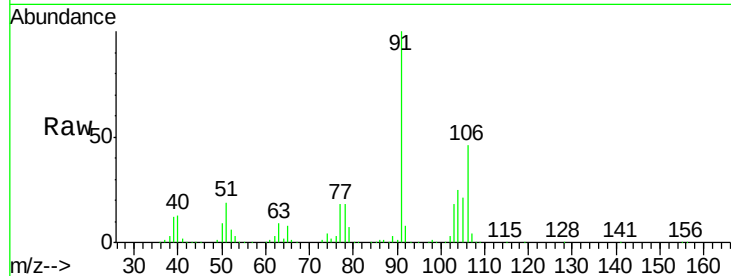




#69
o-Xylene
Concen: 20.226 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

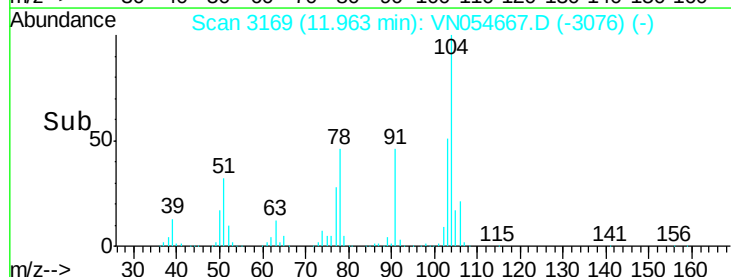
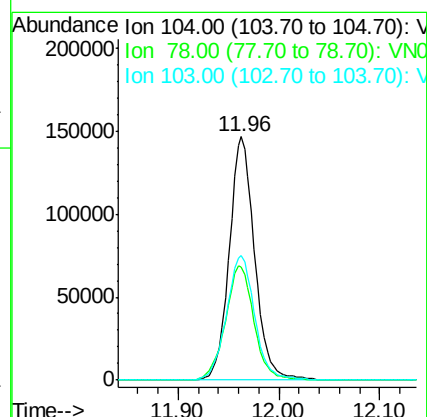
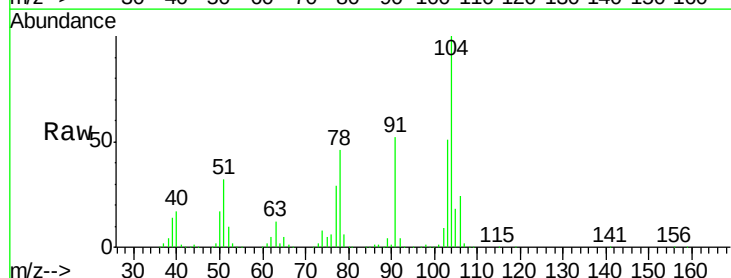
Instrument :
MSVOA_N
ClientSampled :
VN0325MBS01

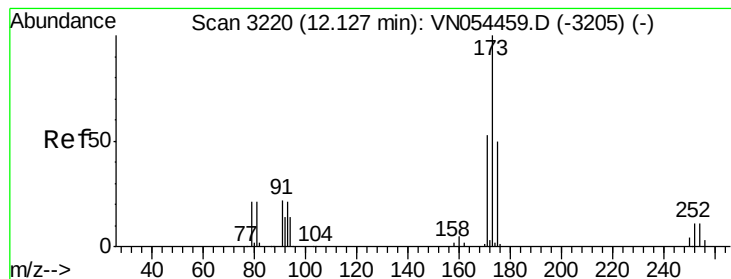
Tot Ion:106 Resp: 157171
Ion Ratio Lower Upper
106 100
91 219.3 105.7 317.1



#70
Styrene
Concen: 20.432 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054667.D
Acq: 25 Mar 2019 12:48

Tgt Ion:104 Resp: 257838
Ion Ratio Lower Upper
104 100
78 52.6 38.2 57.2
103 56.9 44.4 66.6





#71

Bromoform

Concen: 18.627 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

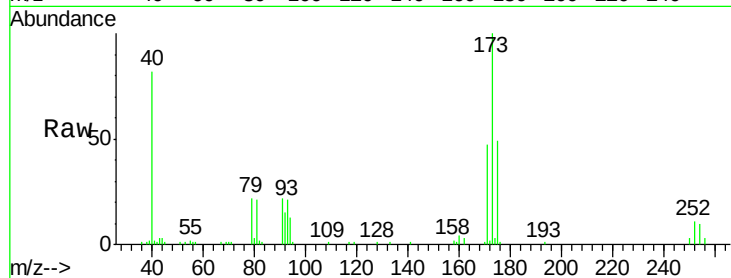
Tot Ion:173 Resp: 50525

Ion Ratio Lower Upper

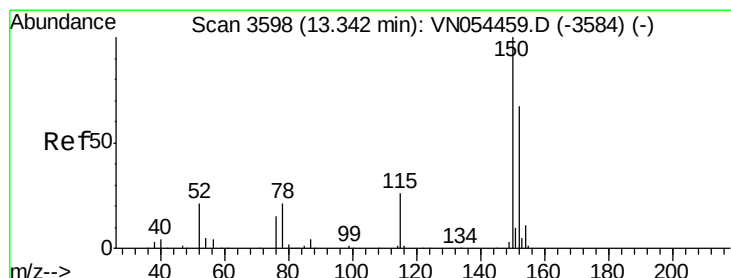
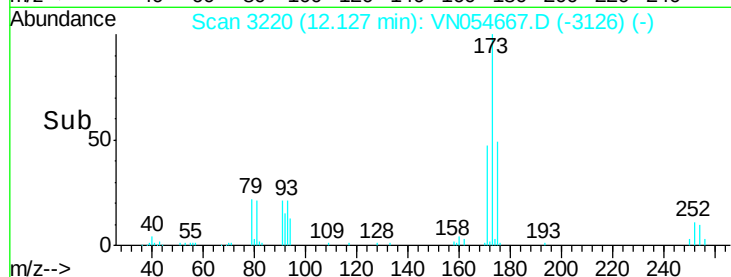
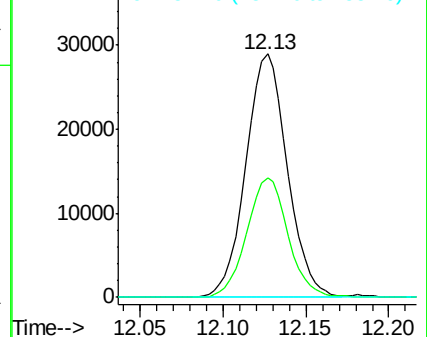
173 100

175 48.7 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: VN054667.D

Acq: 25 Mar 2019 12:48

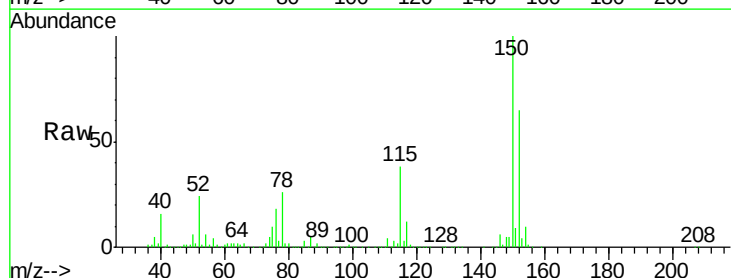
Tgt Ion:152 Resp: 251485

Ion Ratio Lower Upper

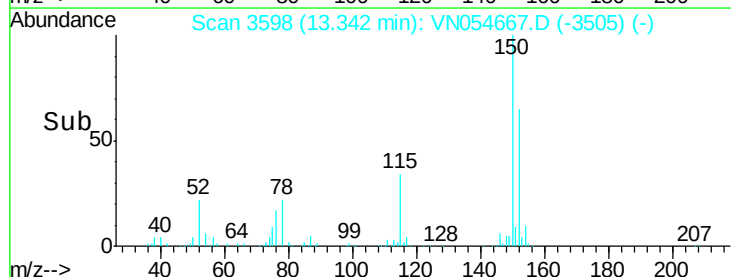
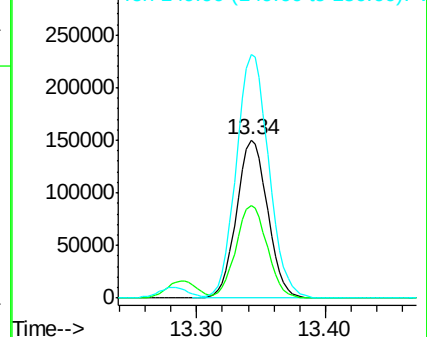
152 100

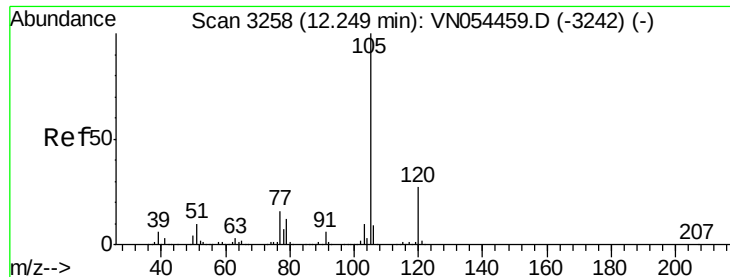
115 58.6 27.2 81.6

150 161.1 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: 20.702 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

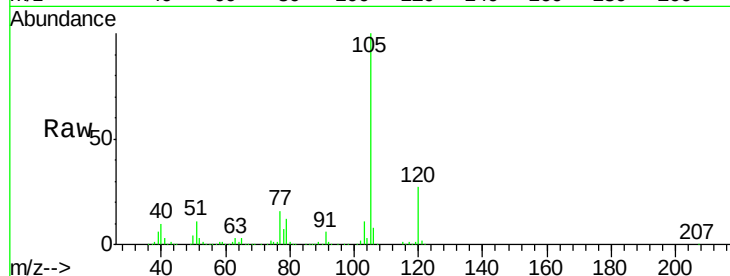
VN0325MBS01

Tot Ion:105 Resp: 419537

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

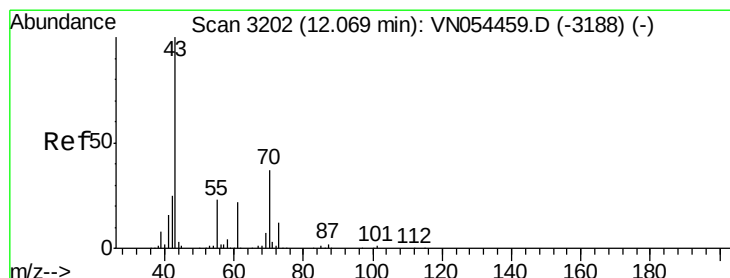
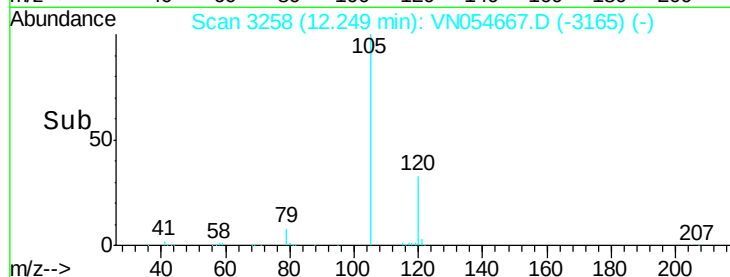
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 22.639 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Tgt Ion: 43 Resp: 131918

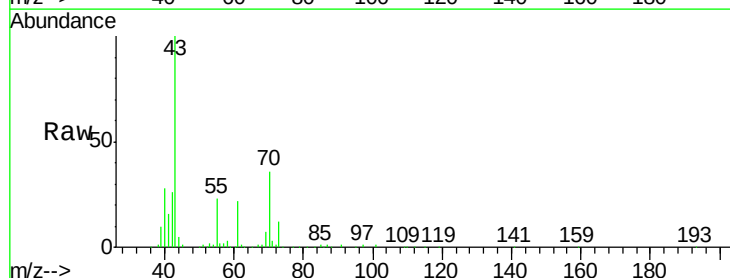
Ion Ratio Lower Upper

43 100

70 35.5 35.4 53.0

55 22.8 19.8 29.6

61 21.3 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

0

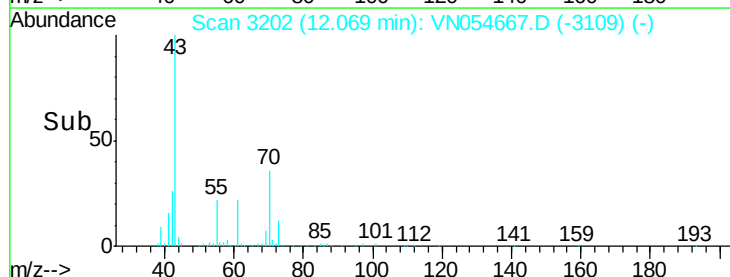
12.00

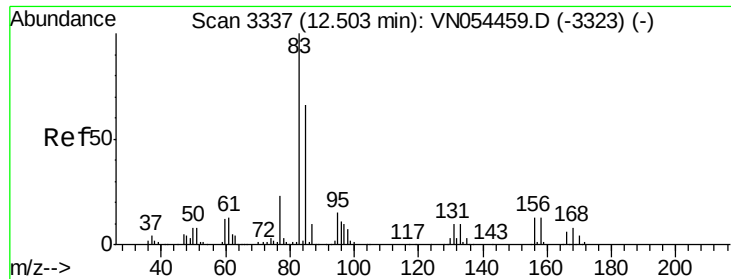
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

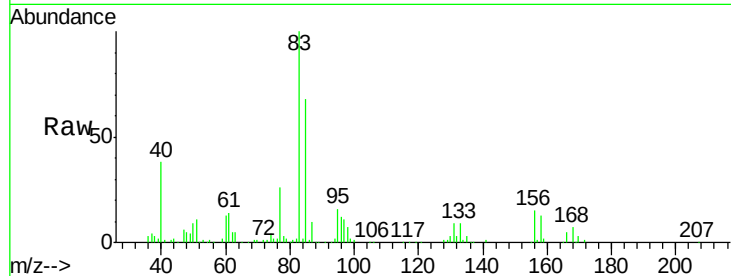
Tot Ion: 83 Resp: 104062

Ion Ratio Lower Upper

83 100

131 10.5 5.8 17.4

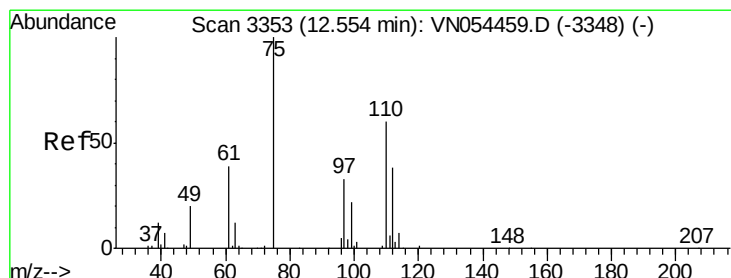
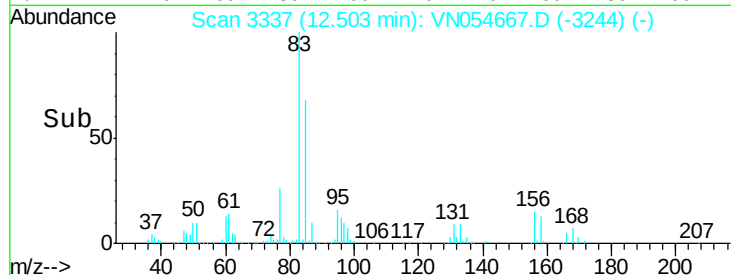
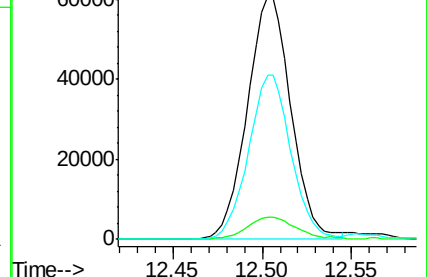
85 65.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.874 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054667.D

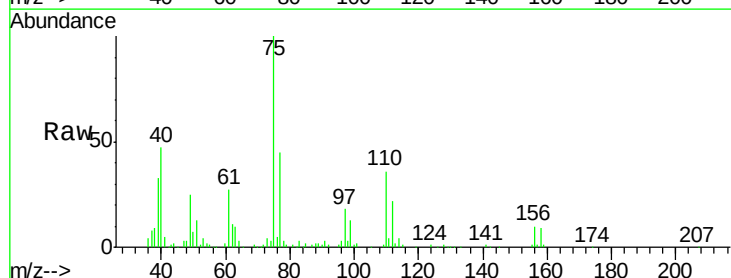
Acq: 25 Mar 2019 12:48

Tgt Ion: 75 Resp: 119219

Ion Ratio Lower Upper

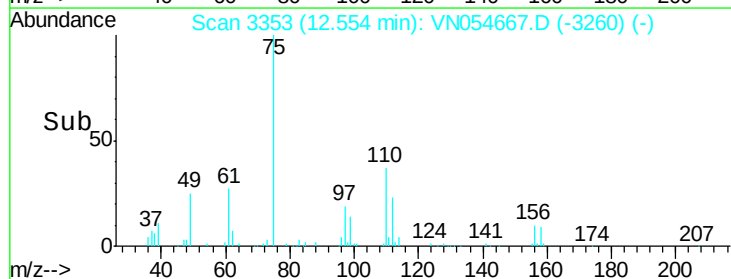
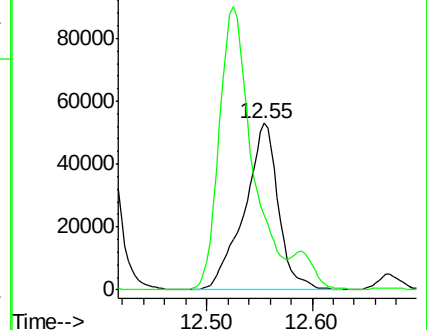
75 100

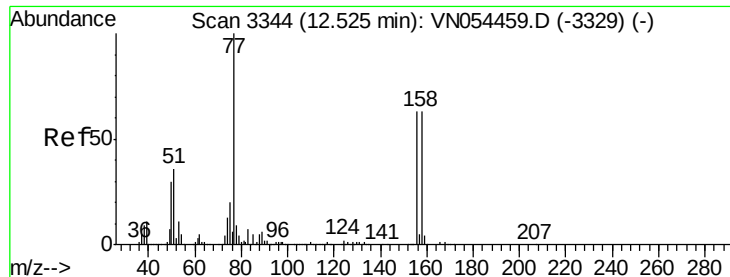
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.393 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

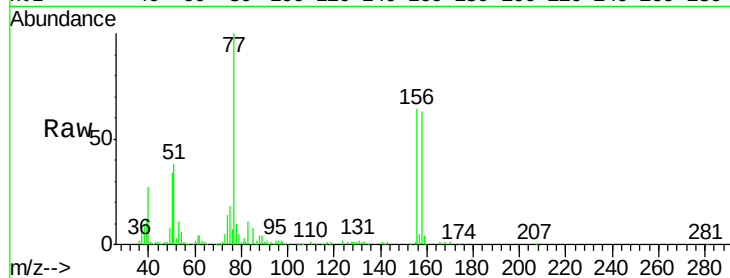
Tot Ion:156 Resp: 107521

Ion Ratio Lower Upper

156 100

77 182.9 81.5 244.4

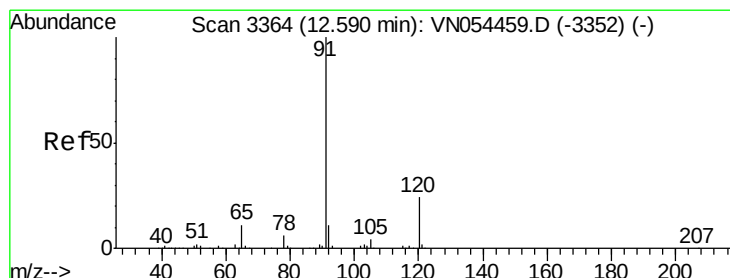
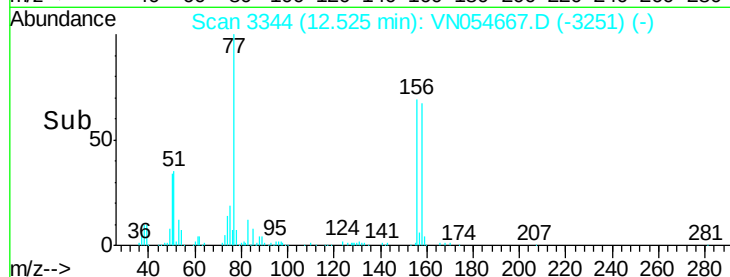
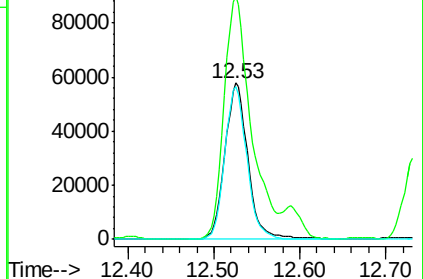
158 93.3 49.0 147.2



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: 20.973 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054667.D

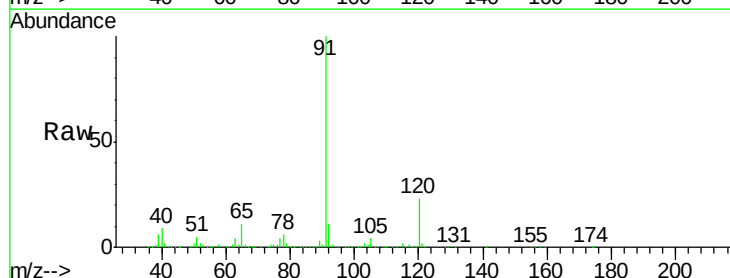
Acq: 25 Mar 2019 12:48

Tgt Ion: 91 Resp: 460877

Ion Ratio Lower Upper

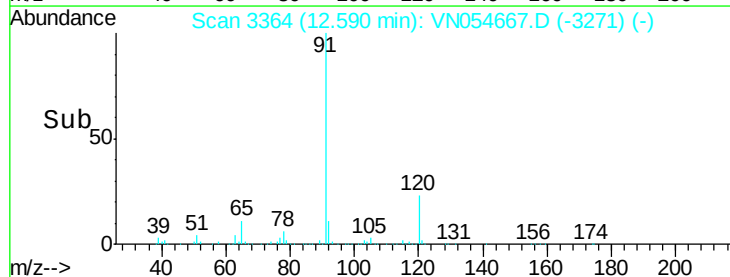
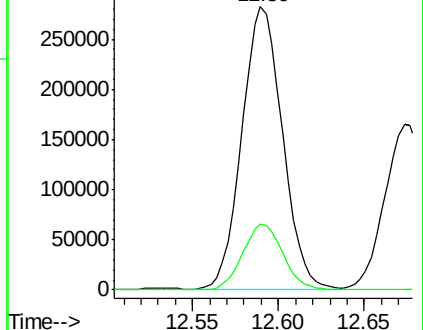
91 100

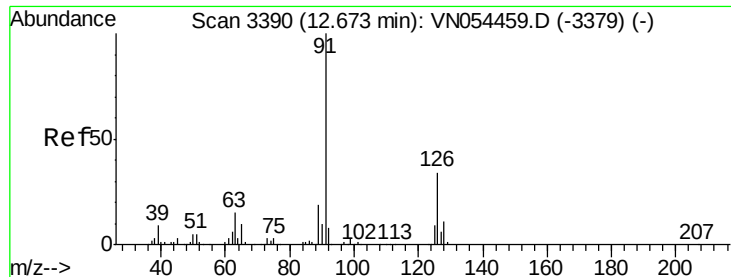
120 23.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.644 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

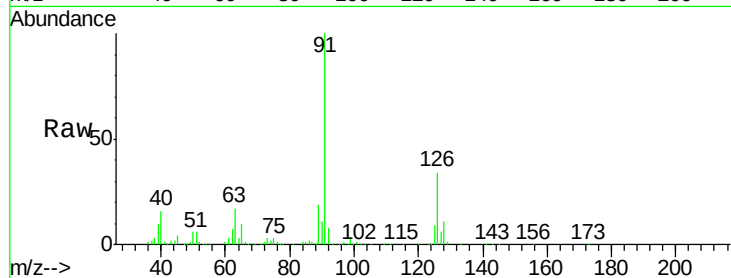
VN0325MBS01

Tot Ion: 91 Resp: 282892

Ion Ratio Lower Upper

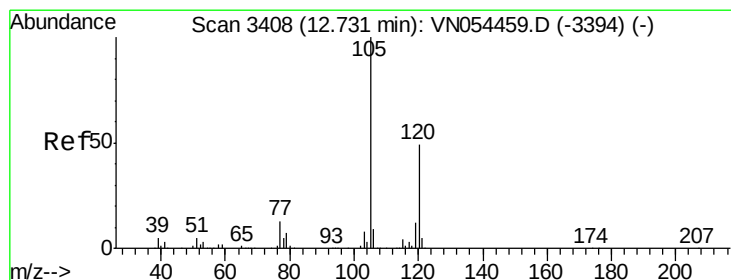
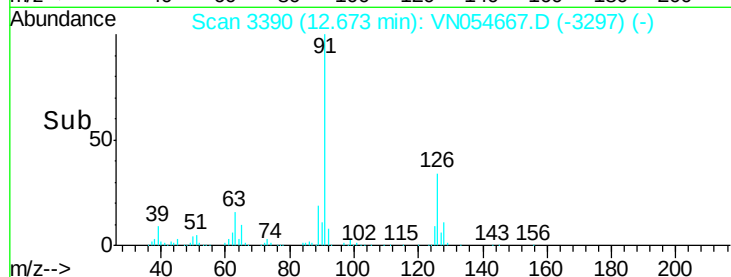
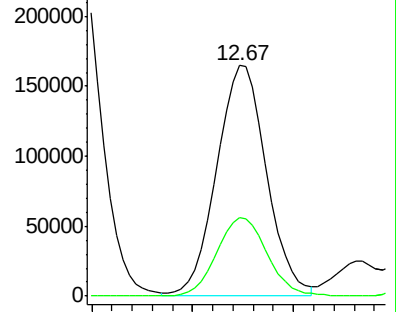
91 100

126 34.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.573 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054667.D

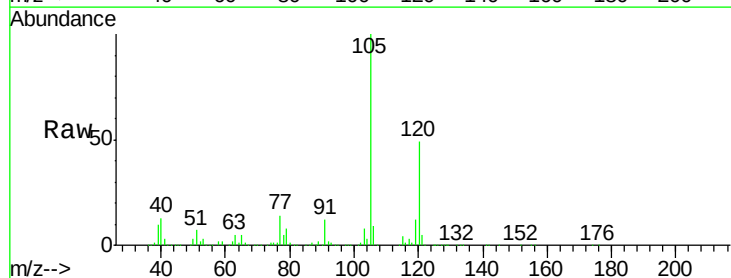
Acq: 25 Mar 2019 12:48

Tgt Ion: 105 Resp: 341700

Ion Ratio Lower Upper

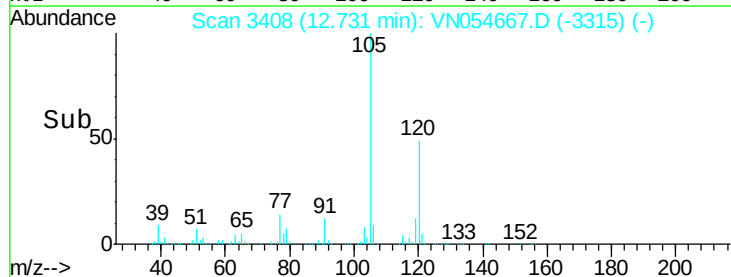
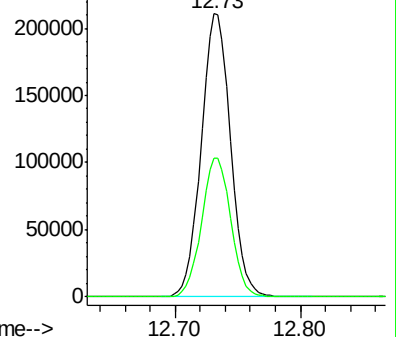
105 100

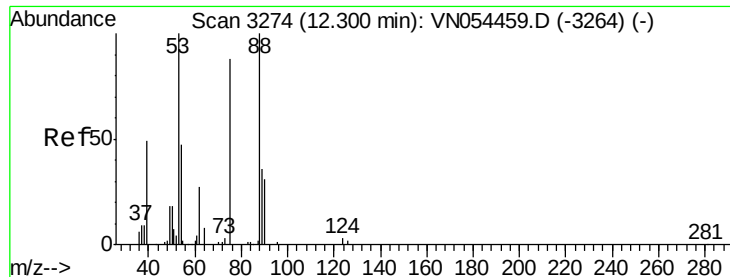
120 48.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

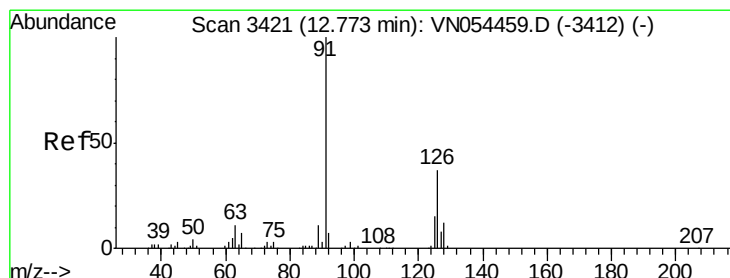
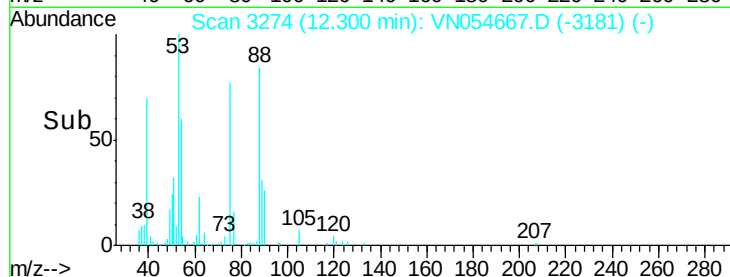
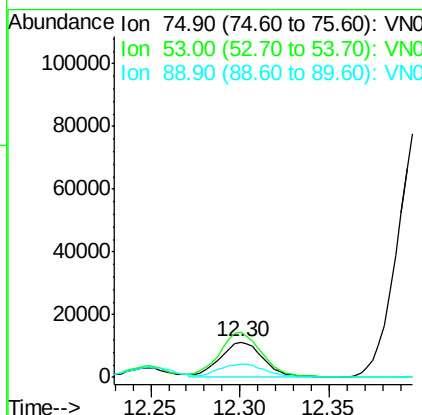
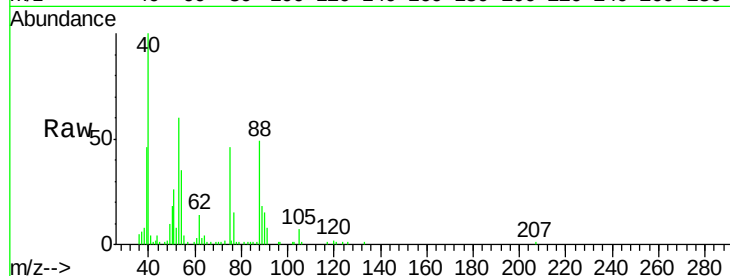




#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.578 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

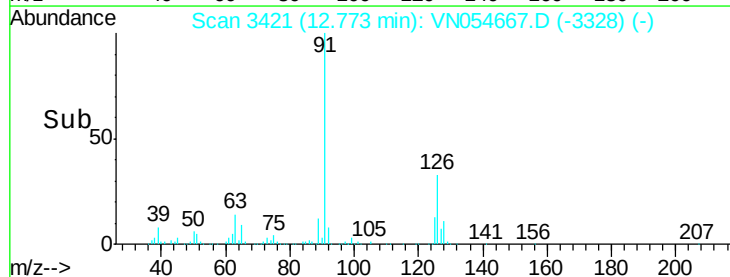
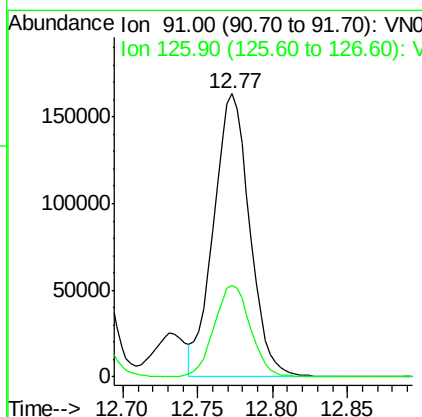
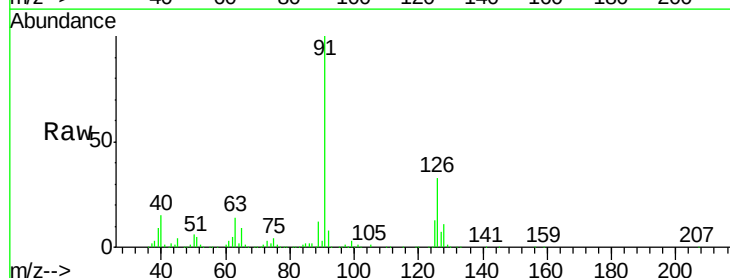
Instrument :
 MSVOA_N
 ClientSampled :
 VN0325MBS01

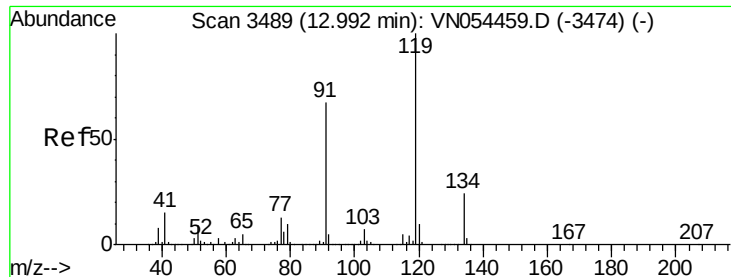
Tot Ion: 75 Resp: 19042
 Ion Ratio Lower Upper
 75 100
 53 124.2 76.2 114.2#
 89 41.2 39.2 58.8



#82
 4-Chlorotoluene
 Concen: 20.646 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion: 91 Resp: 274240
 Ion Ratio Lower Upper
 91 100
 126 32.3 18.1 54.1

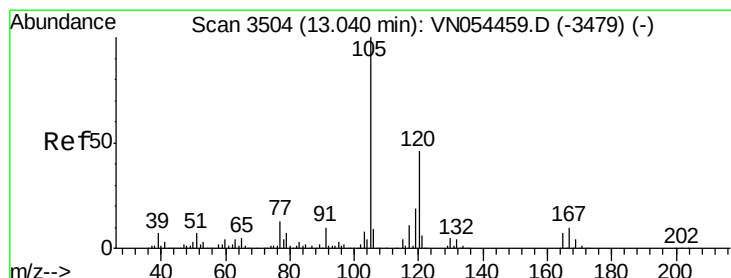
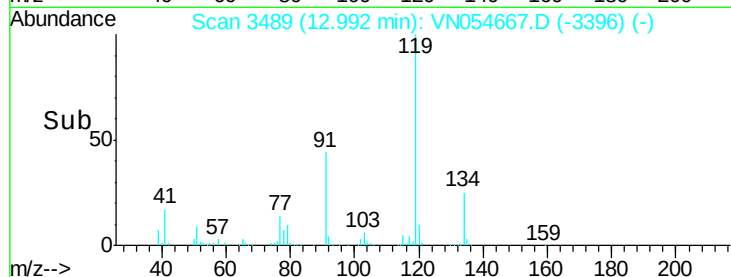
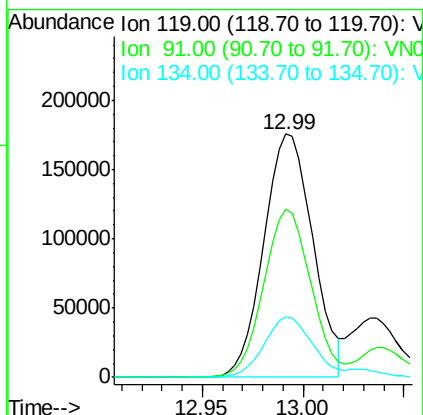
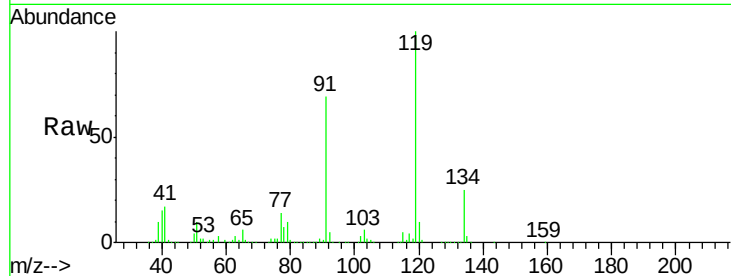




#83
 tert-Butylbenzene
 Concen: 20.503 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

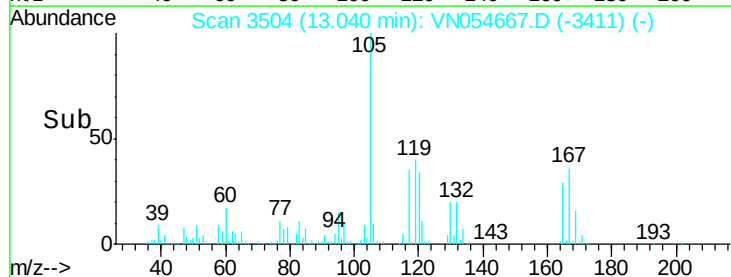
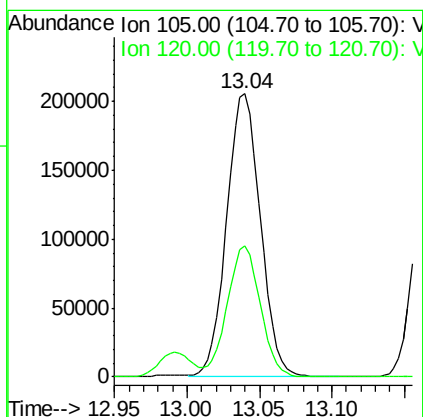
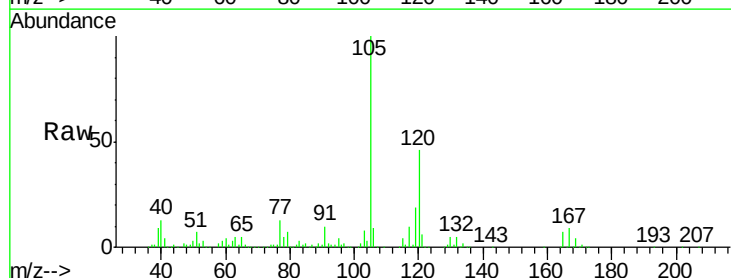
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

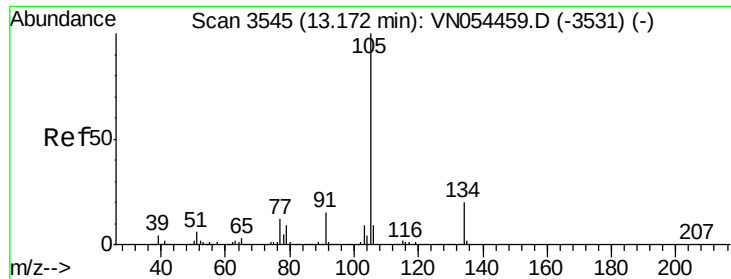
Tot Ion:119 Resp: 296420
 Ion Ratio Lower Upper
 119 100
 91 66.7 30.9 92.8
 134 24.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.324 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:105 Resp: 331222
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.629 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

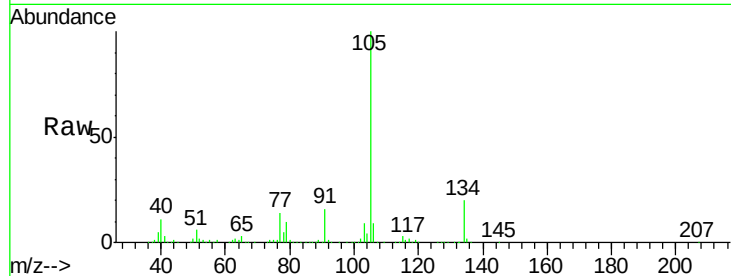
VN0325MBS01

Tot Ion:105 Resp: 371783

Ion Ratio Lower Upper

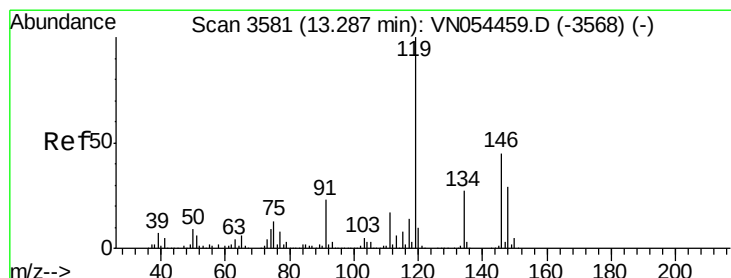
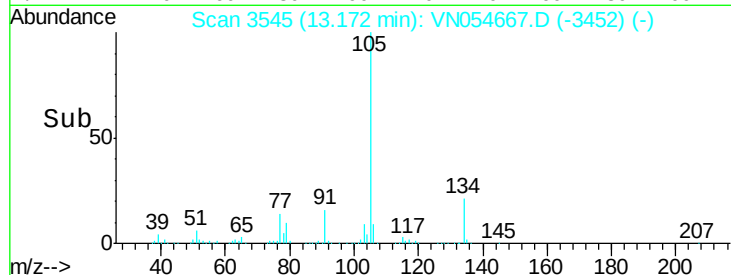
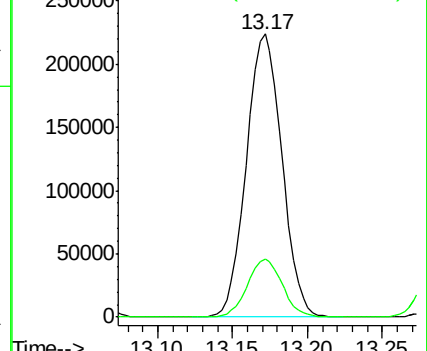
105 100

134 20.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.386 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

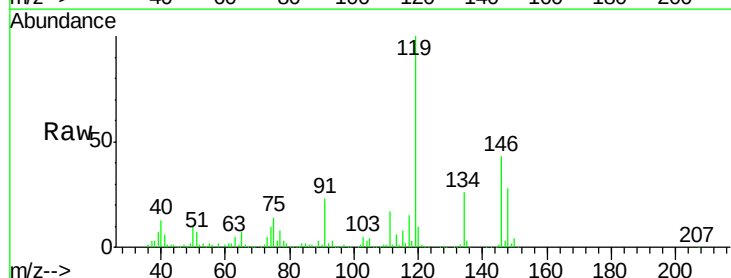
Tgt Ion:119 Resp: 328700

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

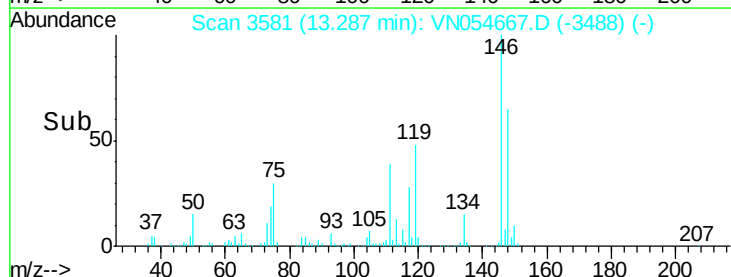
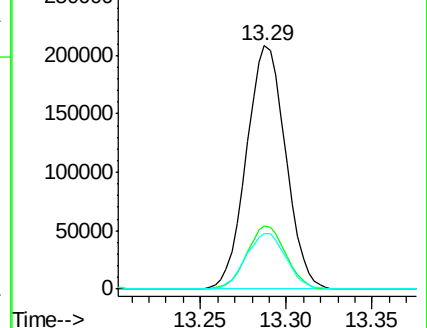
91 23.6 11.1 33.3

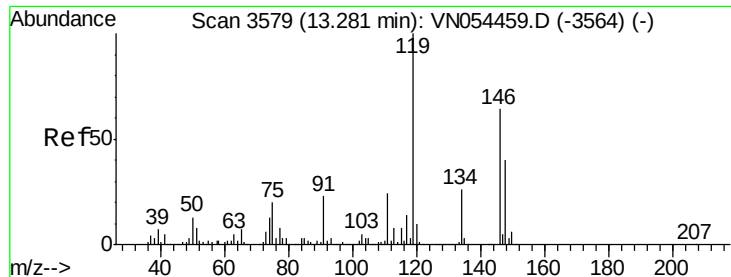


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.098 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

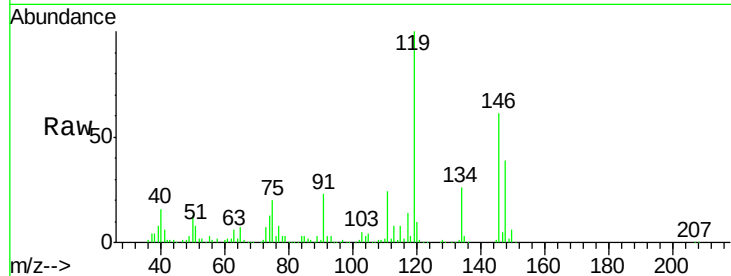
Tot Ion:146 Resp: 167393

Ion Ratio Lower Upper

146 100

111 40.1 18.8 56.3

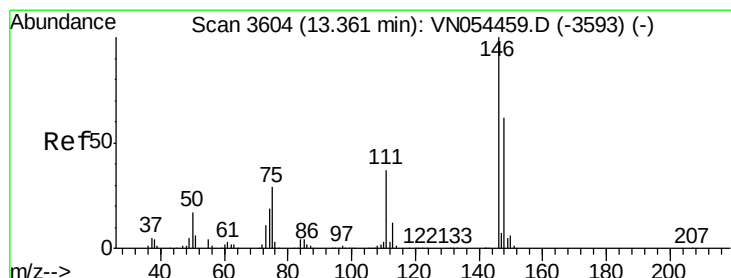
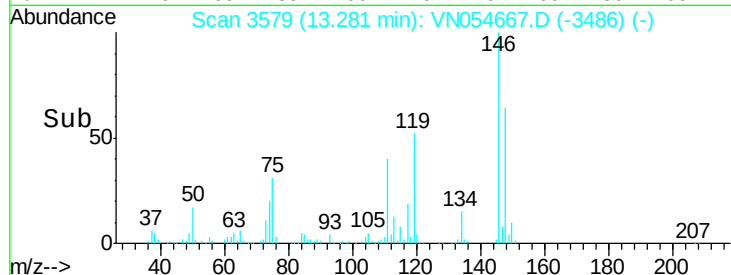
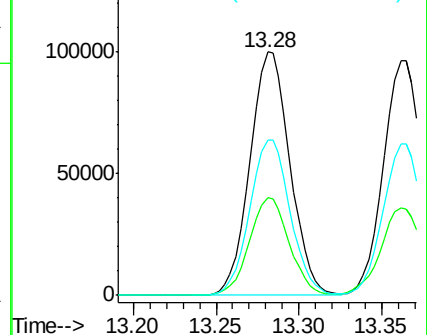
148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.477 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

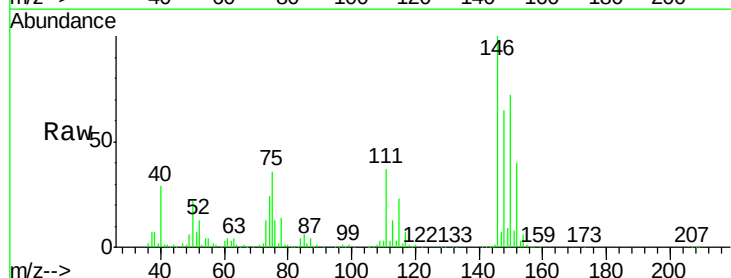
Tgt Ion:146 Resp: 157841

Ion Ratio Lower Upper

146 100

111 40.1 18.1 54.1

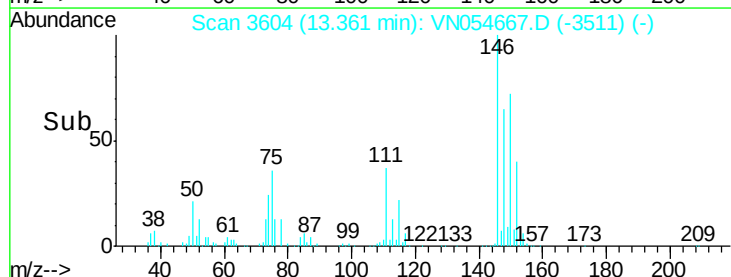
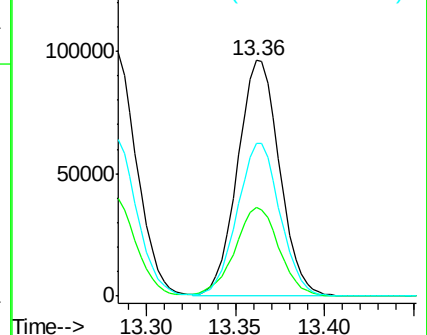
148 66.4 32.0 96.0

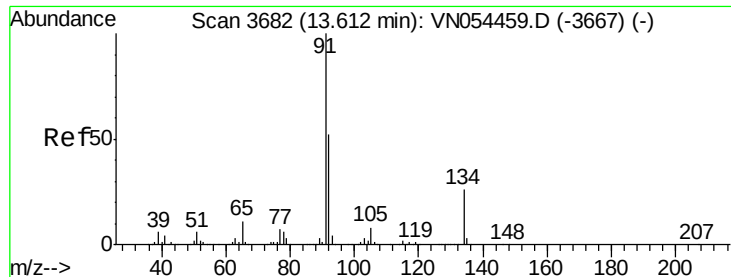


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.935 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBS01

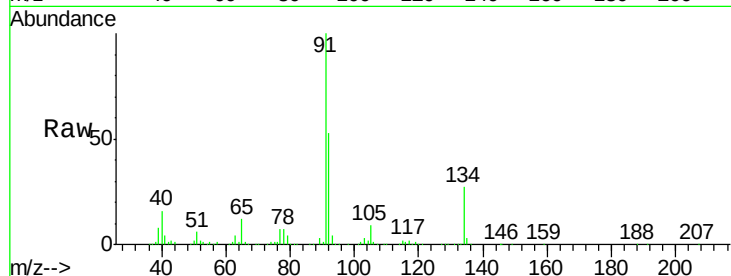
Tot Ion: 91 Resp: 251328

Ion Ratio Lower Upper

91 100

92 53.0 26.2 78.6

134 26.7 14.3 42.9

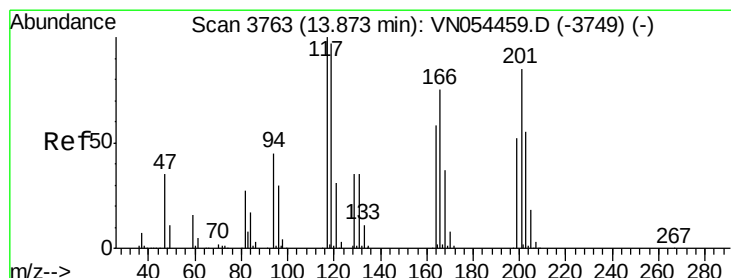
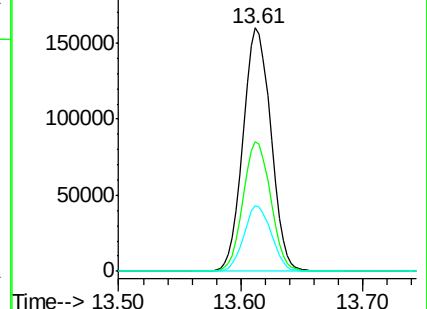
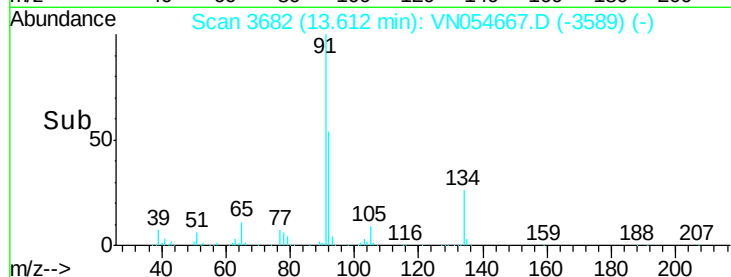


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 19.587 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054667.D

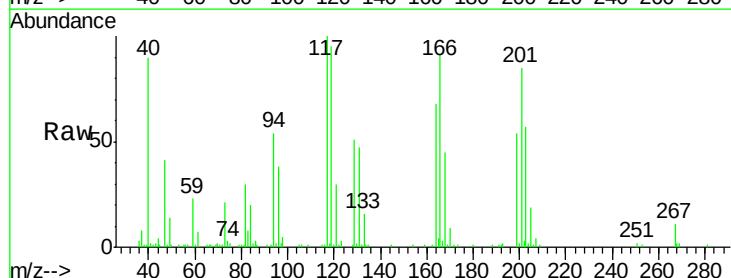
Acq: 25 Mar 2019 12:48

Tgt Ion: 117 Resp: 49023

Ion Ratio Lower Upper

117 100

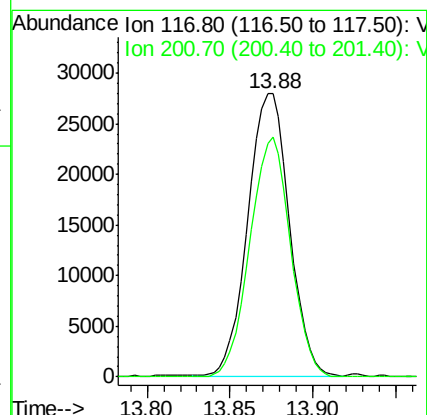
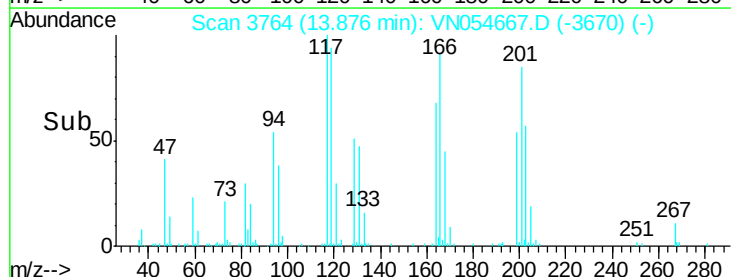
201 82.1 48.1 144.4

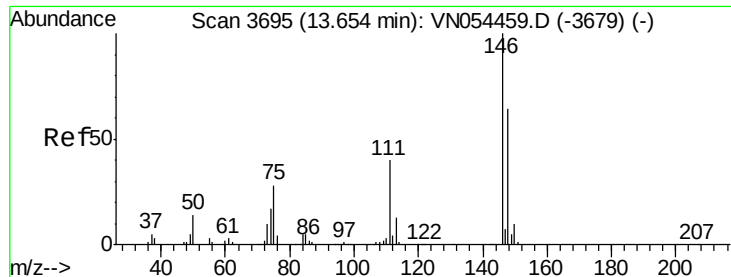


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

Time--> 13.80 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 20.867 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

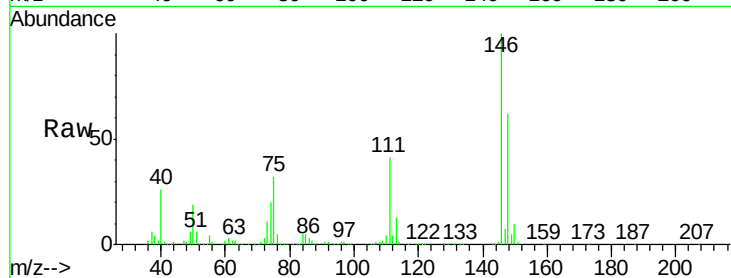
Tot Ion:146 Resp: 168343

Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.3

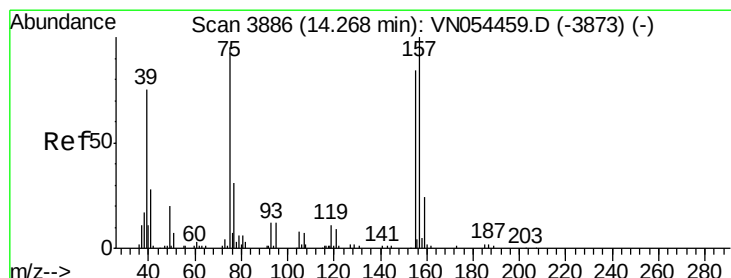
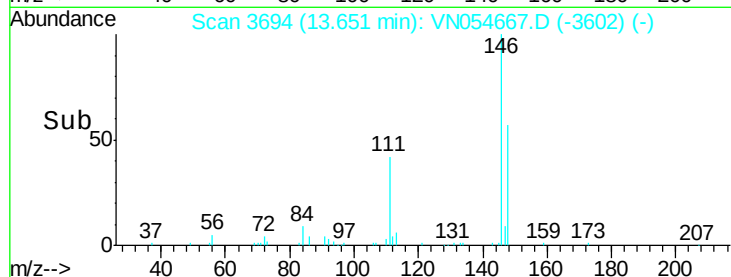
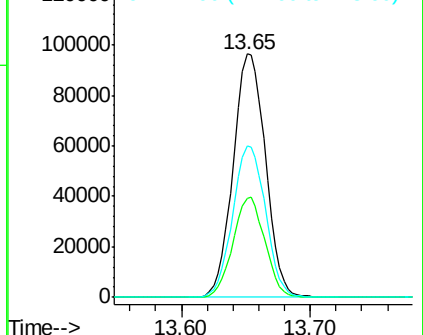
148 63.1 32.4 97.0



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: 20.192 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

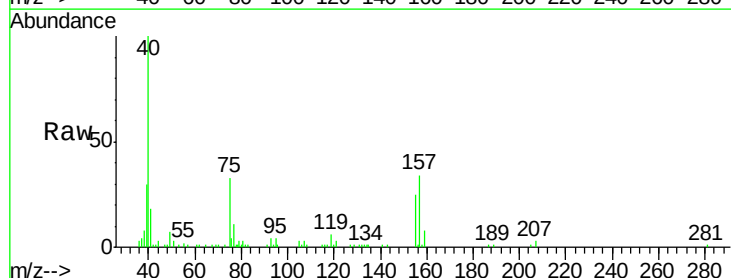
Tgt Ion: 75 Resp: 13701

Ion Ratio Lower Upper

75 100

155 84.9 50.1 150.3

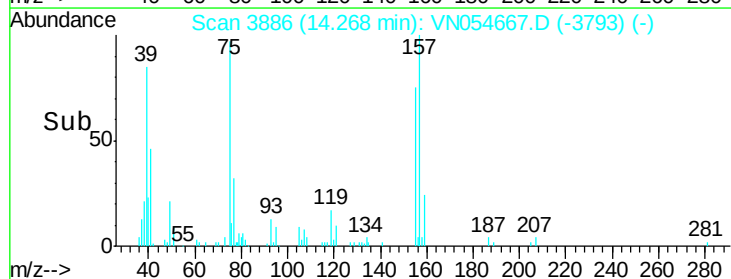
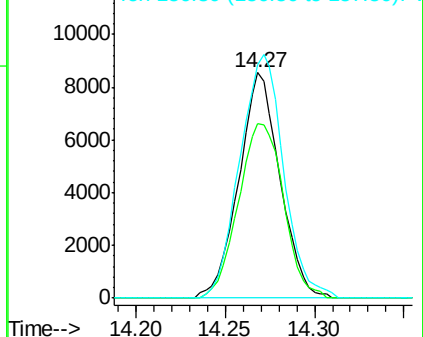
157 115.3 63.1 189.3

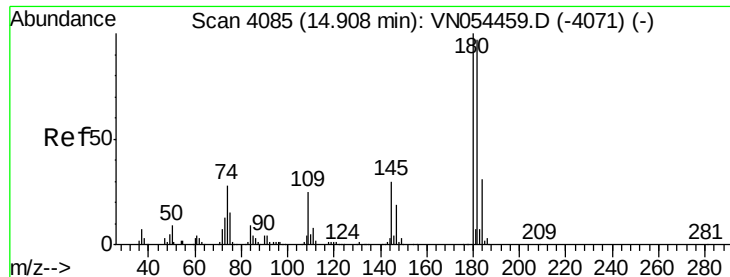


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

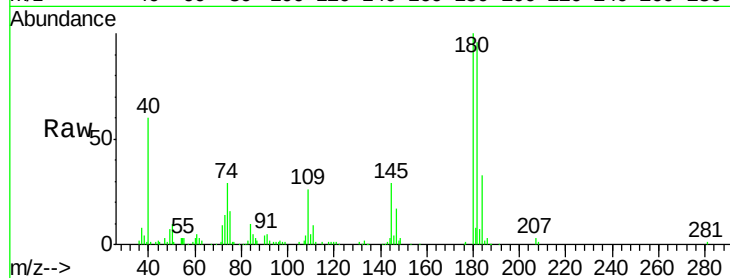




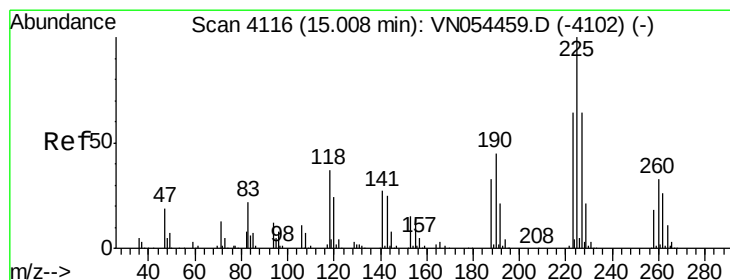
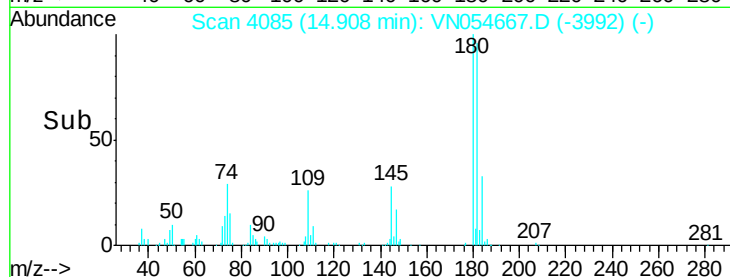
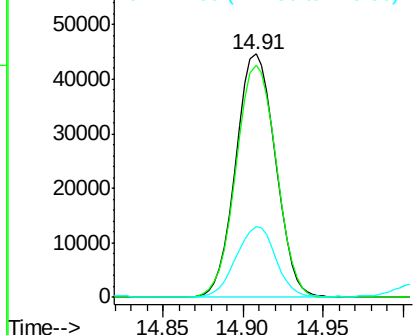
#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBS01

Tot Ion:180 Resp: 75684
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.0 144.2
 145 29.4 14.2 42.8

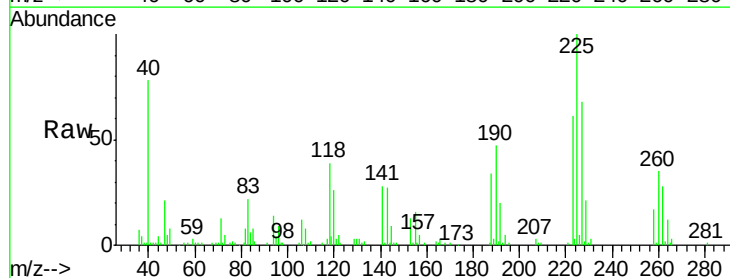


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

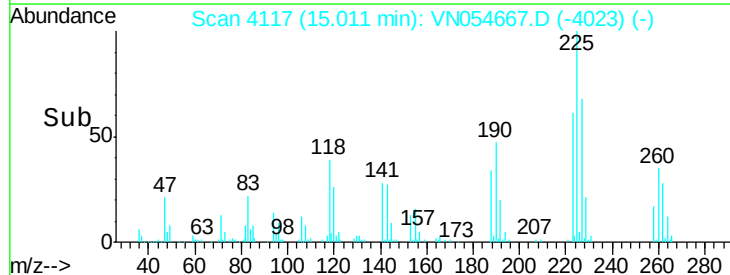
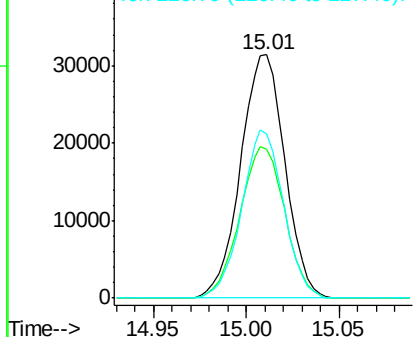


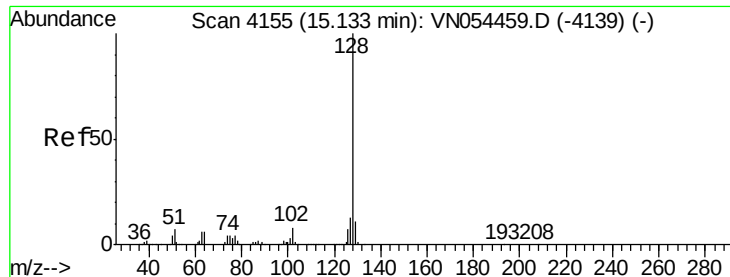
#94
 Hexachlorobutadiene
 Concen: 21.698 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054667.D
 Acq: 25 Mar 2019 12:48

Tgt Ion:225 Resp: 52198
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 65.4 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.814 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0325MBS01

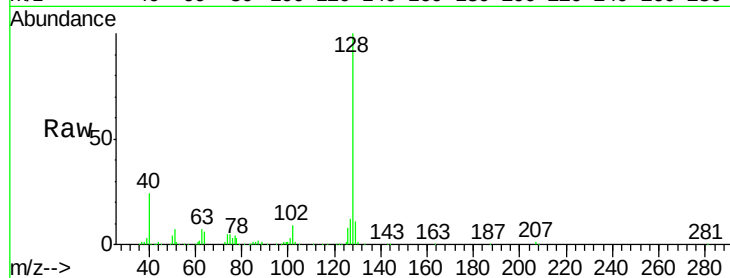
Tot Ion:128 Resp: 186709

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

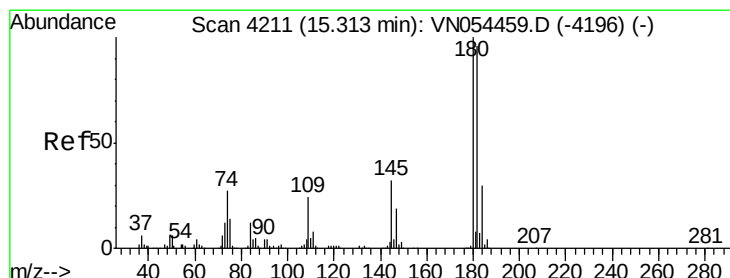
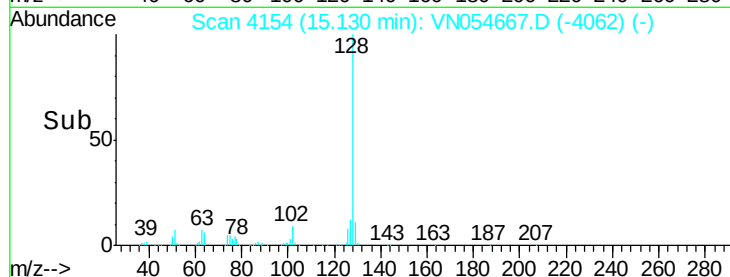
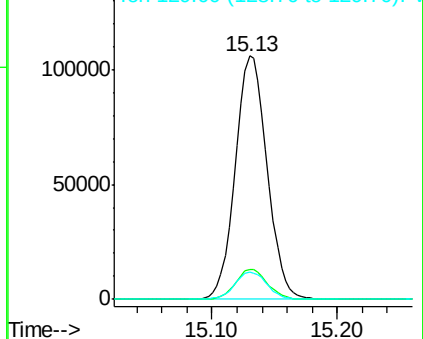
129 11.3 8.7 13.1



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: 19.939 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054667.D

Acq: 25 Mar 2019 12:48

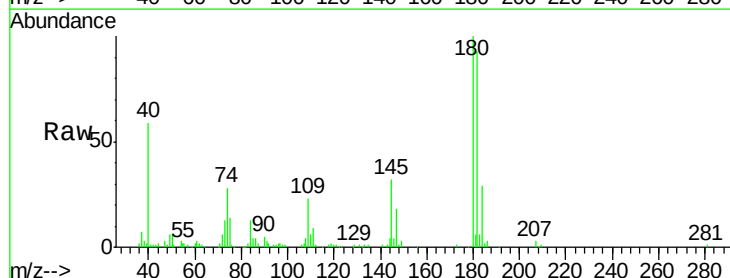
Tgt Ion:180 Resp: 79808

Ion Ratio Lower Upper

180 100

182 92.6 47.5 142.6

145 32.2 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

