

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054662.D
 Acq On : 25 Mar 2019 10:36
 Operator : JC/SP
 Sample : VN0325WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Quant Time: Mar 26 01:21:45 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	429751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	687634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245650	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	277881	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	7.59	113	217817	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.09	98	804912	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	269861	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84334	20.528	ug/l	98
3) Chloromethane	2.06	50	111841	20.008	ug/l	97
4) Vinyl Chloride	2.19	62	103381	18.421	ug/l	99
5) Bromomethane	2.57	94	57908	15.958	ug/l	98
6) Chloroethane	2.71	64	58021	17.237	ug/l	98
7) Trichlorofluoromethane	3.02	101	129814	19.047	ug/l	99
8) Diethyl Ether	3.41	74	43461	16.581	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71082	17.746	ug/l	92
10) Methyl Iodide	3.94	142	91858	15.590	ug/l #	87
11) Tert butyl alcohol	4.82	59	32414	100.160	ug/l	100
12) 1,1-Dichloroethene	3.73	96	67244	16.222	ug/l #	77
13) Acrolein	3.61	56	40993	91.788	ug/l	100
14) Allyl chloride	4.32	41	153188	19.626	ug/l #	91
15) Acrylonitrile	5.00	53	165330	102.587	ug/l	98
16) Acetone	3.82	43	173307	107.838	ug/l #	86
17) Carbon Disulfide	4.04	76	186792	16.818	ug/l	97
18) Methyl Acetate	4.33	43	76409	21.331	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	241528	19.966	ug/l	96
20) Methylene Chloride	4.54	84	91008	19.210	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	81239	19.194	ug/l #	84
22) Diisopropyl ether	5.96	45	320936	20.845	ug/l #	95
23) Vinyl Acetate	5.90	43	1124289	103.394	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	170967	20.624	ug/l	98
25) 2-Butanone	6.85	43	227276	110.398	ug/l	89
26) 2,2-Dichloropropane	6.82	77	119023	20.141	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	95720	18.960	ug/l	86
28) Bromochloromethane	7.20	49	84535	20.717	ug/l #	72
29) Tetrahydrofuran	7.22	42	141996	106.288	ug/l #	84
30) Chloroform	7.37	83	165637	20.474	ug/l	95
31) Cyclohexane	7.65	56	160707	19.083	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	134976	20.223	ug/l	94
36) 1,1-Dichloropropene	7.79	75	123191	19.161	ug/l	96
37) Ethyl Acetate	6.94	43	93140	20.368	ug/l	97
38) Carbon Tetrachloride	7.77	117	113718	18.201	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140009	19.037	ug/l	91
40) Benzene	8.04	78	361538	19.665	ug/l	97
41) Methacrylonitrile	7.18	41	47067	16.877	ug/l	94
42) 1,2-Dichloroethane	8.13	62	132839	19.840	ug/l	98
43) Isopropyl Acetate	8.17	43	156162	20.221	ug/l #	94
44) Trichloroethene	8.83	130	94555	18.499	ug/l	92
45) 1,2-Dichloropropane	9.12	63	100592	20.376	ug/l	98
46) Dibromomethane	9.21	93	57802	19.626	ug/l	89
47) Bromodichloromethane	9.40	83	120507	19.715	ug/l	95
48) Methyl methacrylate	9.20	41	79995	19.084	ug/l	88
49) 1,4-Dioxane	9.20	88	17677	377.225	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	438303	102.406	ug/l	94
52) Toluene	10.16	92	215376	19.047	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	104899	17.775	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	134737	19.225	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	79659	19.598	ug/l	98
56) Ethyl methacrylate	10.43	69	102930	18.866	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	142519	20.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	144581	64.357	ug/l #	88
59) 2-Hexanone	10.75	43	292806	104.735	ug/l	90
60) Dibromochloromethane	10.90	129	79970	18.489	ug/l	98
61) 1,2-Dibromoethane	11.00	107	76001	18.913	ug/l	100
64) Tetrachloroethene	10.63	164	93309	19.275	ug/l	97
65) Chlorobenzene	11.43	112	227026	19.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83661	19.635	ug/l	98
67) Ethyl Benzene	11.51	91	407891	19.453	ug/l	97
68) m/p-Xylenes	11.62	106	302991	38.149	ug/l	96
69) o-Xylene	11.95	106	146359	18.869	ug/l	95
70) Styrene	11.96	104	240099	19.061	ug/l	97
71) Bromoform	12.13	173	46412	17.319	ug/l #	99
73) Isopropylbenzene	12.25	105	389327	19.668	ug/l	98
74) N-amyl acetate	12.07	43	116581	20.482	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	94911	21.004	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	113901	29.220	ug/l #	100
77) Bromobenzene	12.53	156	94389	19.226	ug/l	87
78) n-propylbenzene	12.59	91	424486	19.776	ug/l	96
79) 2-Chlorotoluene	12.67	91	259025	19.351	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	313748	19.339	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17560	17.716	ug/l #	72
82) 4-Chlorotoluene	12.77	91	251456	19.381	ug/l	96
83) tert-Butylbenzene	12.99	119	269449	19.080	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	306293	19.241	ug/l	100
85) sec-Butylbenzene	13.17	105	350399	19.904	ug/l	98
86) p-Isopropyltoluene	13.29	119	308129	19.564	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	156041	19.180	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	147536	18.638	ug/l	97
89) n-Butylbenzene	13.61	91	244008	19.814	ug/l	97
90) Hexachloroethane	13.87	117	47818	19.560	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	151183	19.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13650	20.595	ug/l	80

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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	68137	17.345	ug/l	99
94) Hexachlorobutadiene	15.01	225	53253	22.778	ug/l	99
95) Naphthalene	15.13	128	149346	17.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67869	17.359	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

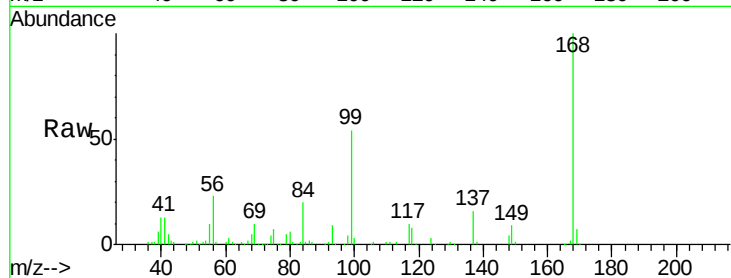
VN0325WBS01

Tot Ion:168 Resp: 429751

Ion Ratio Lower Upper

168 100

99 52.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

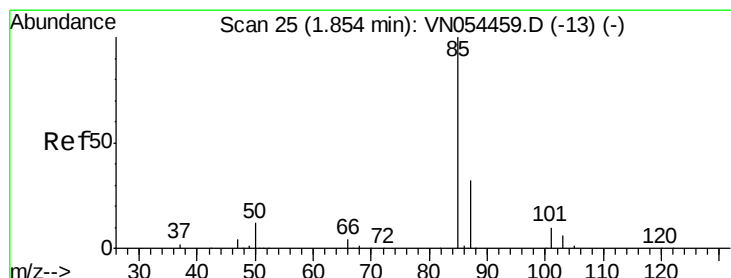
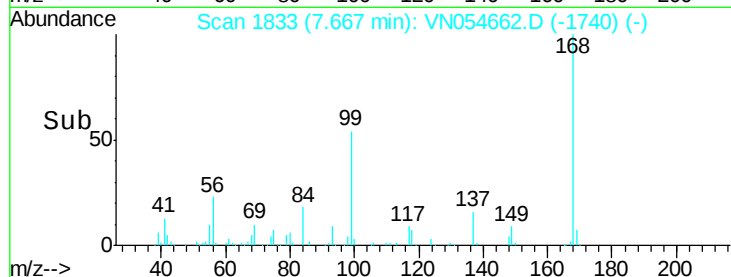
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.528 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054662.D

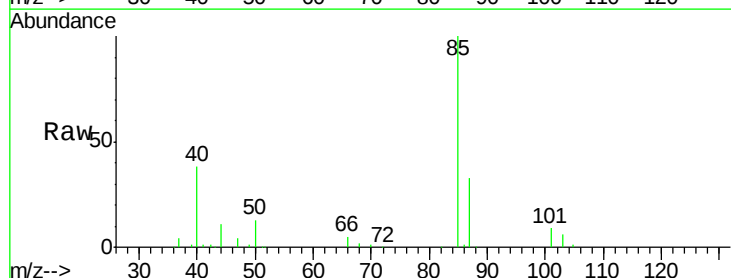
Acq: 25 Mar 2019 10:36

Tgt Ion: 85 Resp: 84334

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

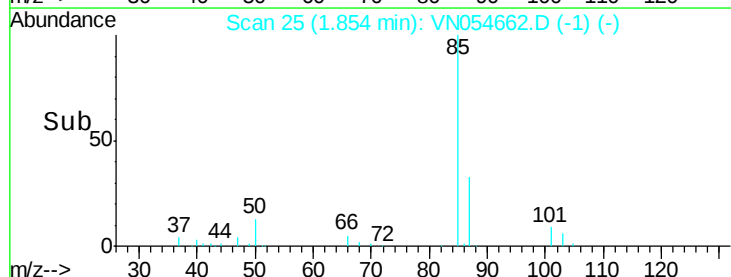
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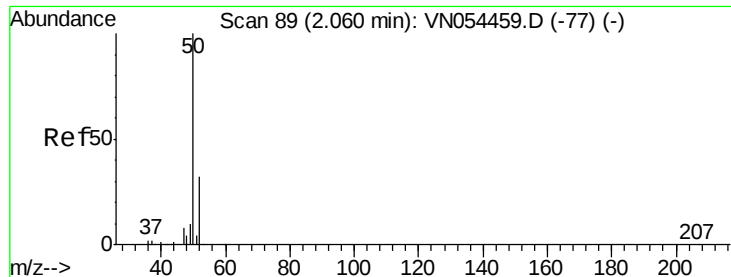
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20000

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Time-->





#3

Chloromethane

Concen: 20.008 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

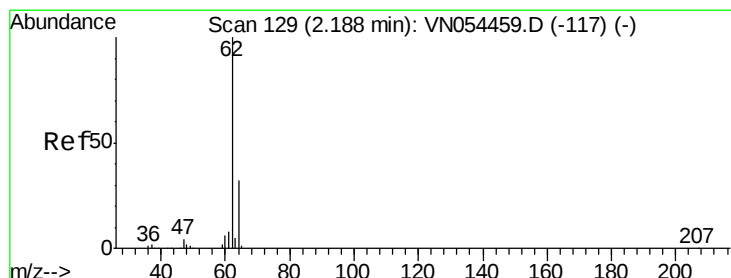
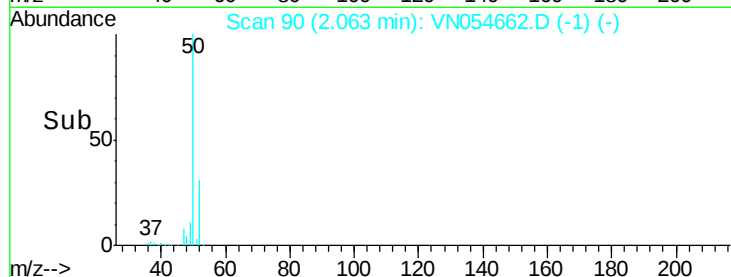
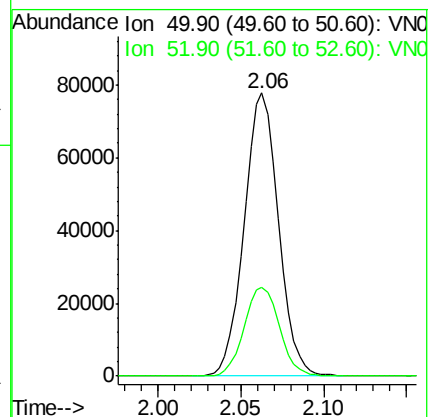
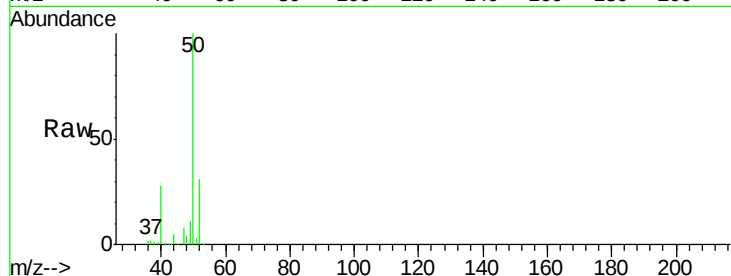
VN0325WBS01

Tot Ion: 50 Resp: 111841

Ion Ratio Lower Upper

50 100

52 31.5 26.4 39.6



#4

Vinyl Chloride

Concen: 18.421 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054662.D

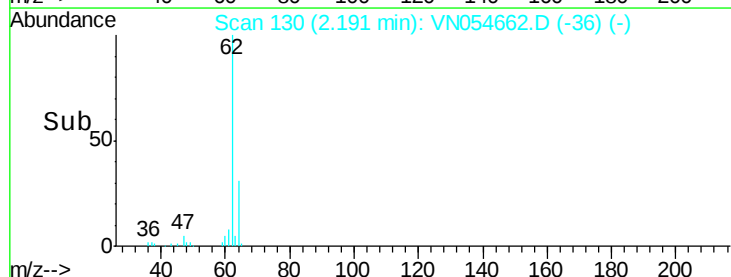
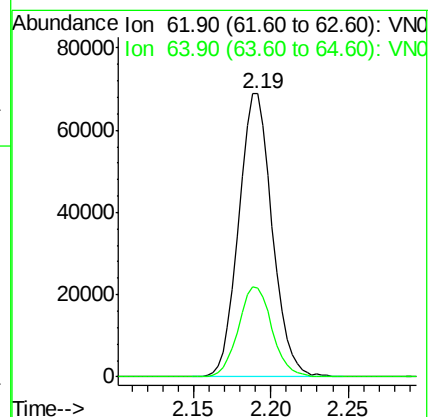
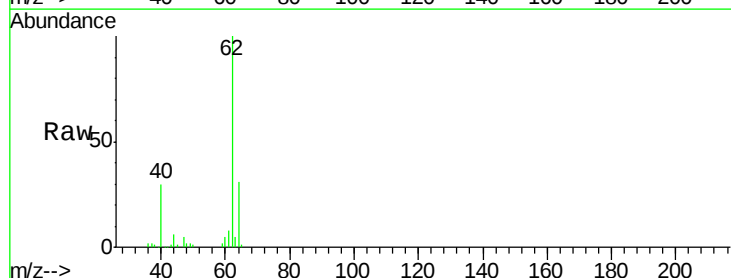
Acq: 25 Mar 2019 10:36

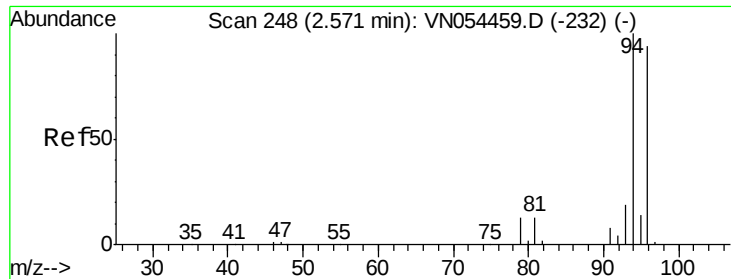
Tgt Ion: 62 Resp: 103381

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 15.958 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

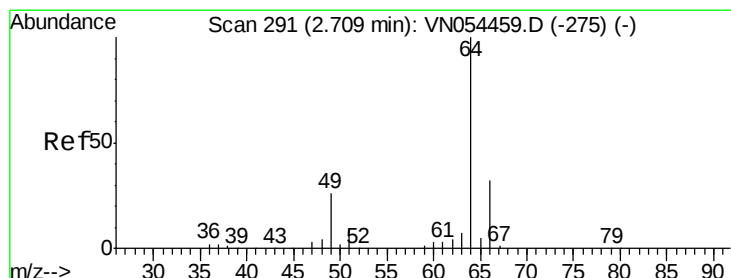
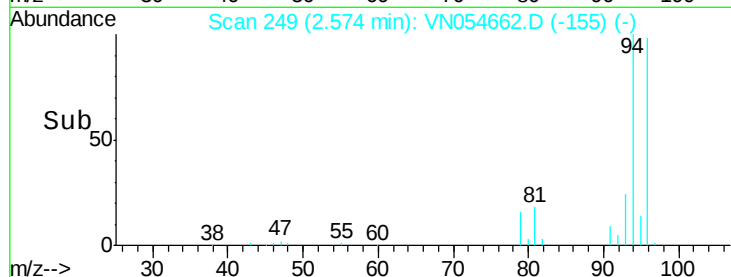
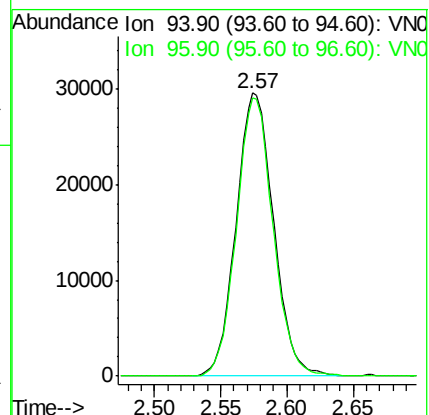
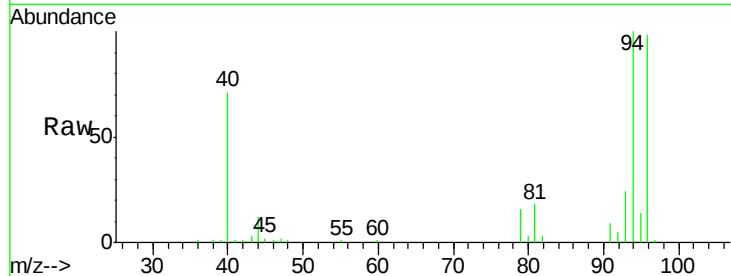
VN0325WBS01

Tot Ion: 94 Resp: 57908

Ion Ratio Lower Upper

94 100

96 98.3 77.0 115.4



#6

Chloroethane

Concen: 17.237 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054662.D

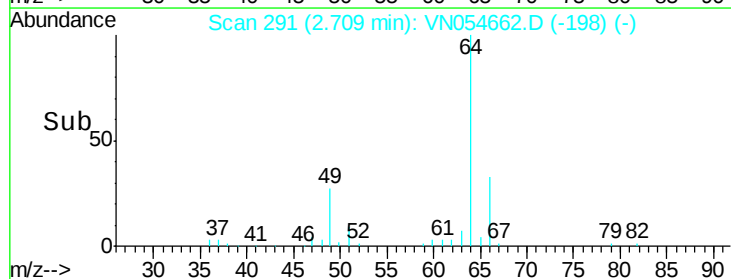
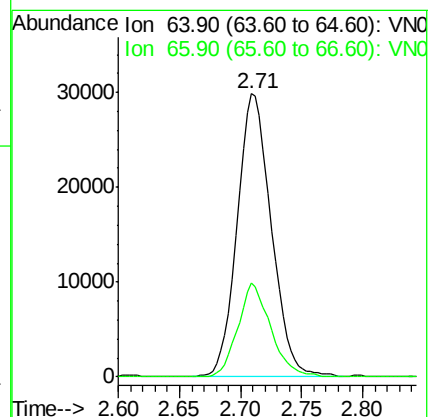
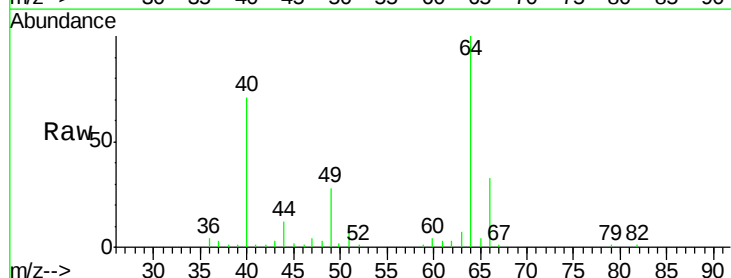
Acq: 25 Mar 2019 10:36

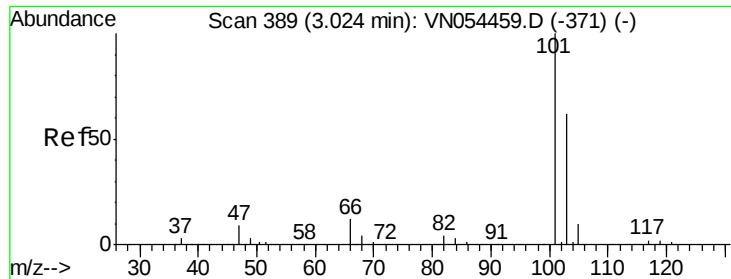
Tgt Ion: 64 Resp: 58021

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5



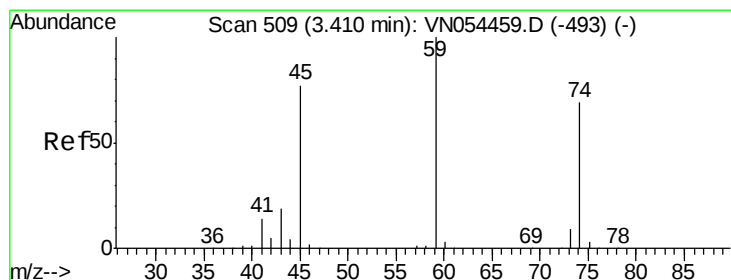
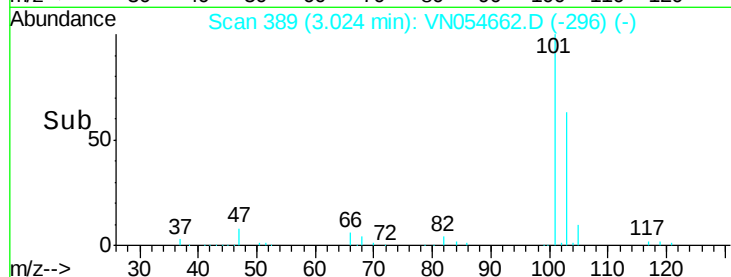
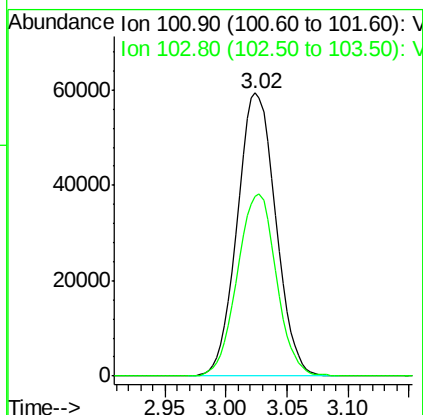
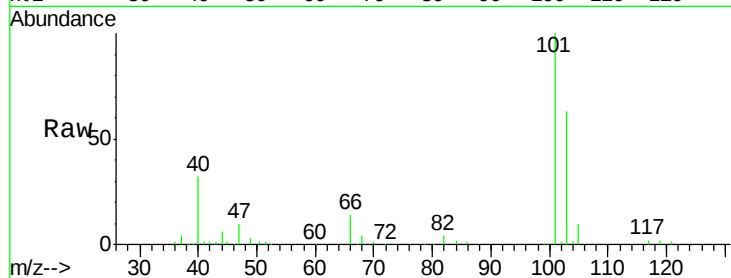


#7

Trichlorofluoromethane
 Concen: 19.047 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054662.D
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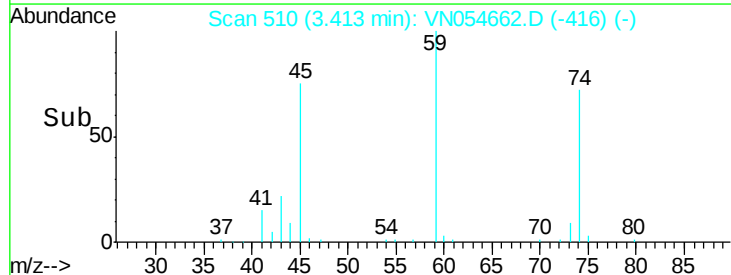
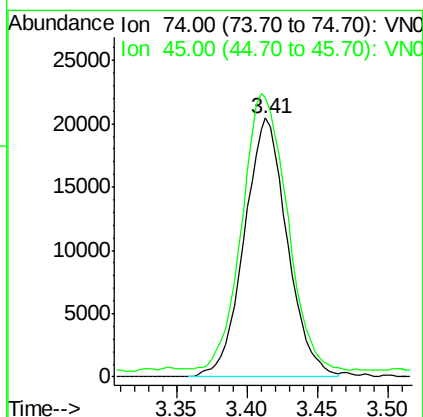
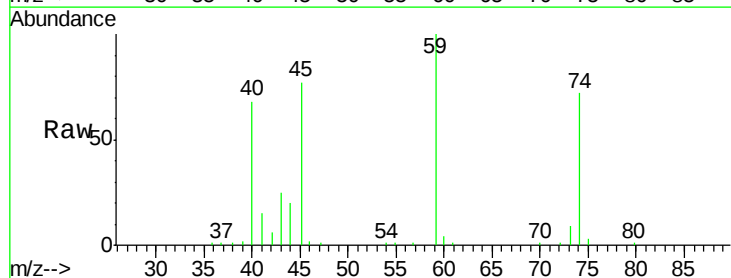
Tot Ion:101 Resp: 129814
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.2

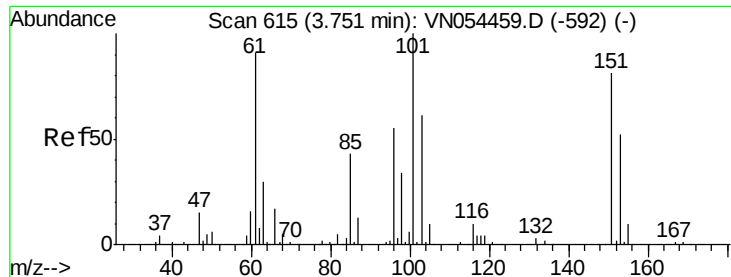


#8

Diethyl Ether
 Concen: 16.581 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 74 Resp: 43461
 Ion Ratio Lower Upper
 74 100
 45 112.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.746 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

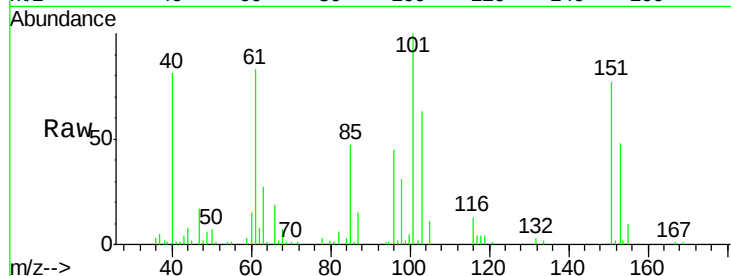
Tot Ion:101 Resp: 71082

Ion Ratio Lower Upper

101 100

85 47.2 32.4 48.6

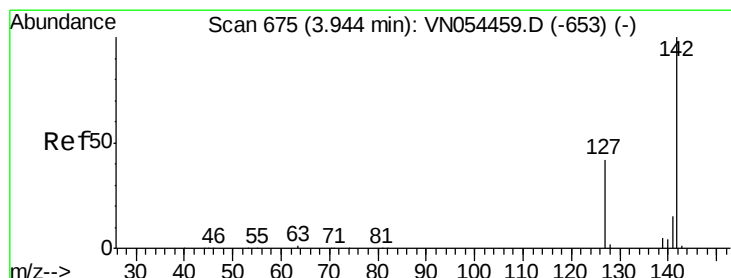
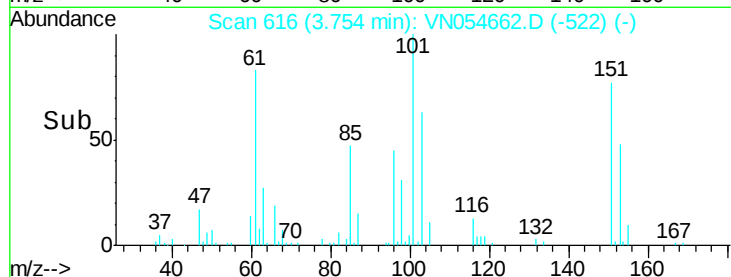
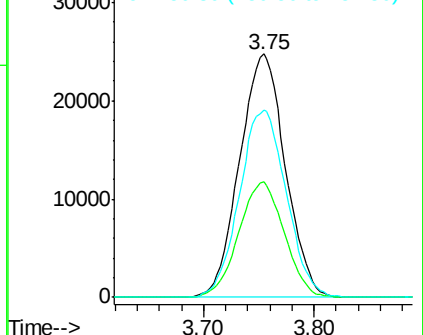
151 78.9 68.2 102.2



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: 15.590 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

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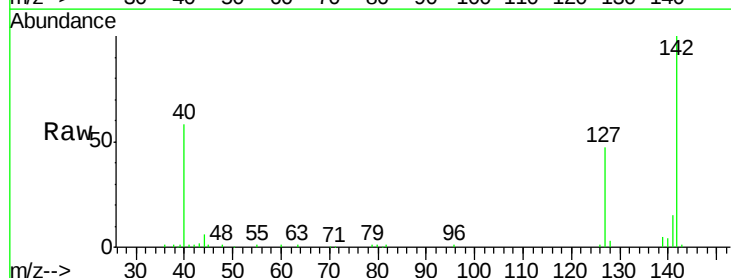
Tgt Ion:142 Resp: 91858

Ion Ratio Lower Upper

142 100

127 48.1 30.3 45.5#

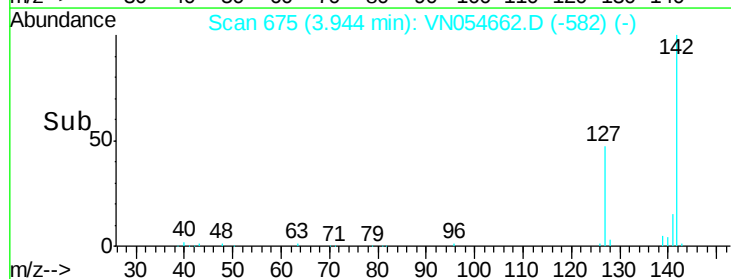
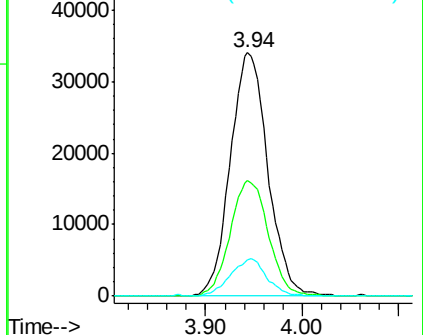
141 14.8 11.2 16.8

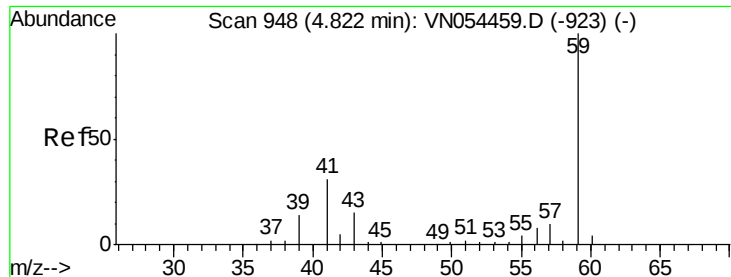


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

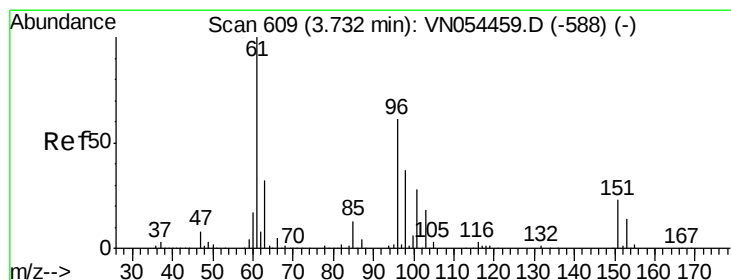
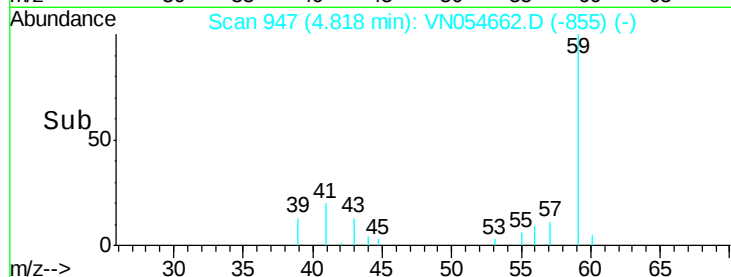
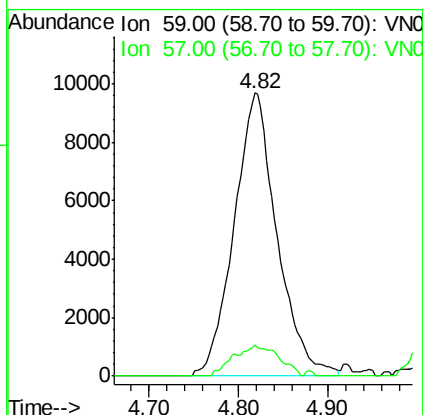
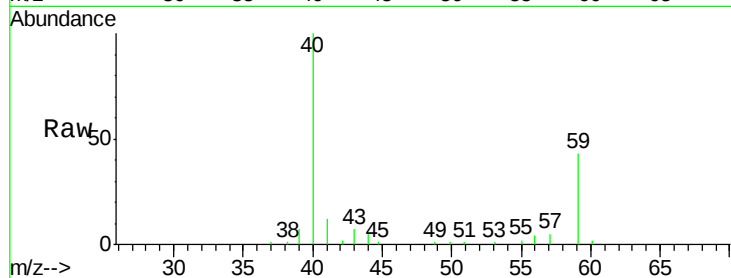




#11
Tert butyl alcohol
Concen: 100.160 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

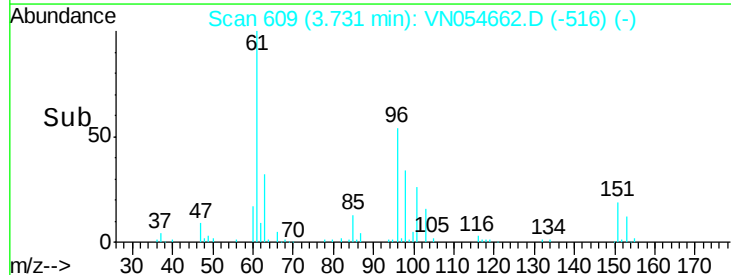
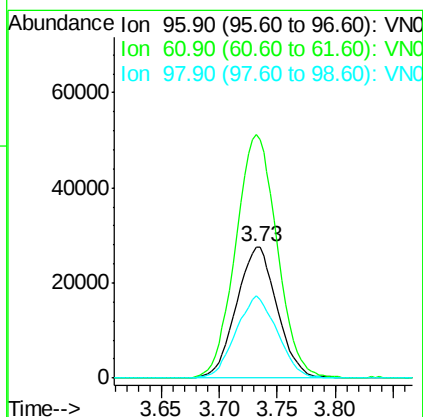
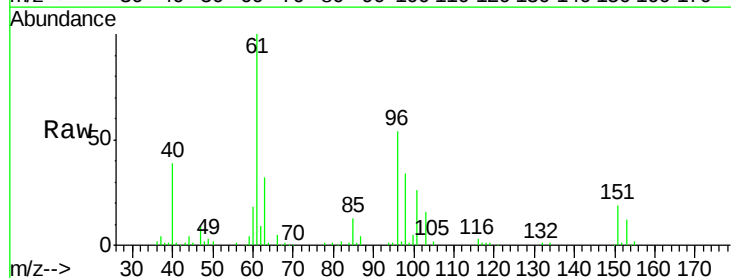
Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

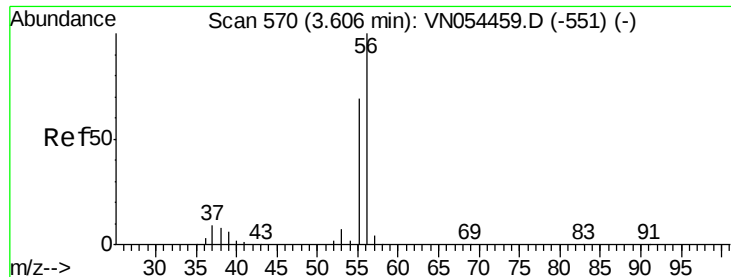
Tot Ion: 59 Resp: 32414
Ion Ratio Lower Upper
59 100
57 11.5 9.0 13.6



#12
1,1-Dichloroethene
Concen: 16.222 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 96 Resp: 67244
Ion Ratio Lower Upper
96 100
61 185.7 116.5 174.7#
98 62.3 51.0 76.4





#13

Acrolein

Concen: 91.788 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

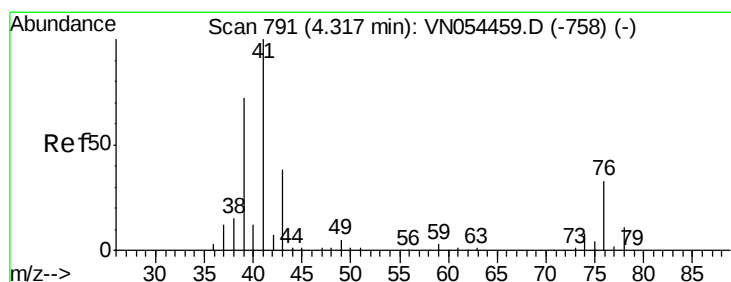
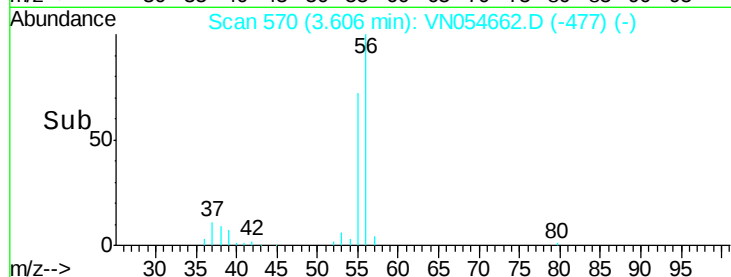
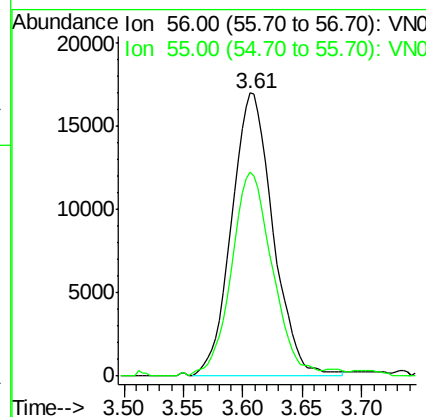
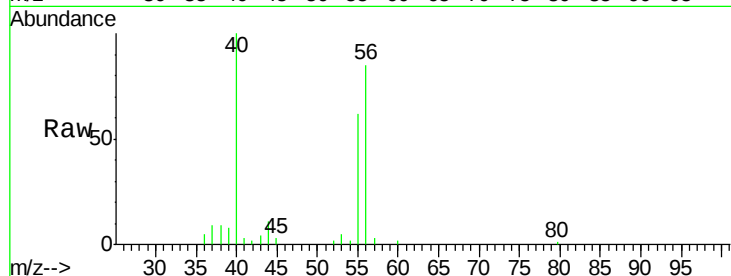
VN0325WBS01

Tot Ion: 56 Resp: 40993

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 19.626 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

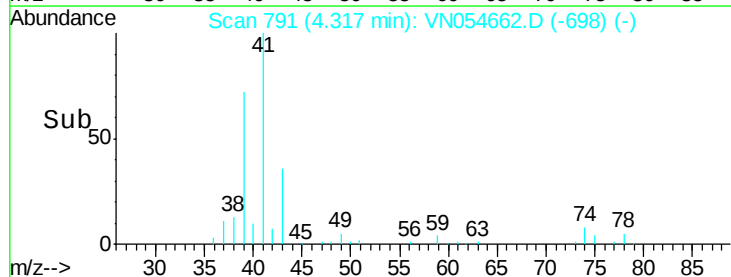
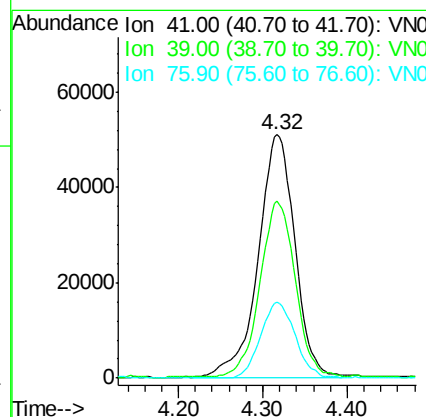
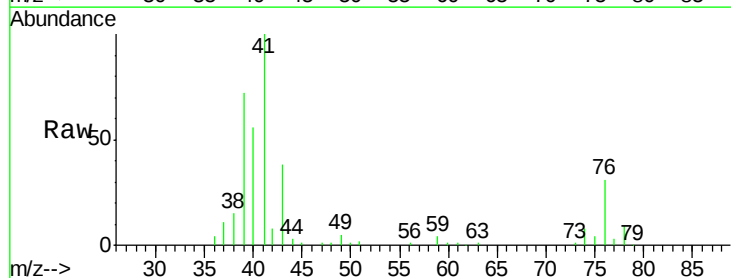
Tgt Ion: 41 Resp: 153188

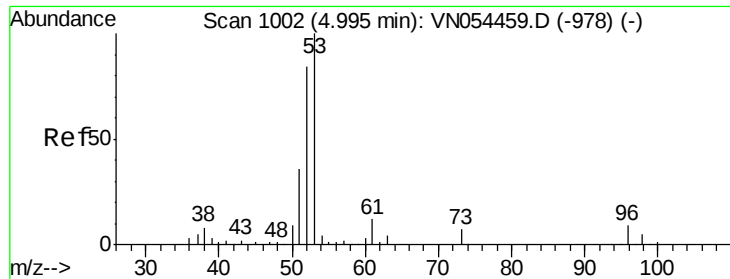
Ion Ratio Lower Upper

41 100

39 68.5 58.2 87.4

76 29.7 31.7 47.5#





#15

Acrylonitrile

Concen: 102.587 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

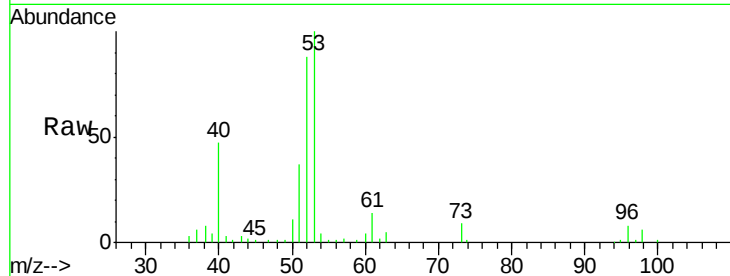
Tot Ion: 53 Resp: 165330

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

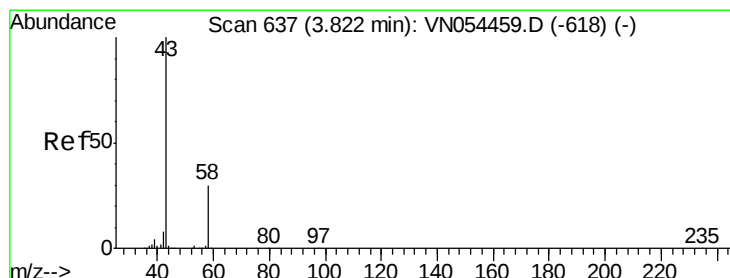
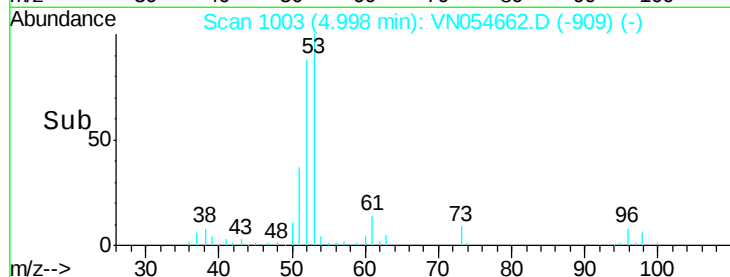
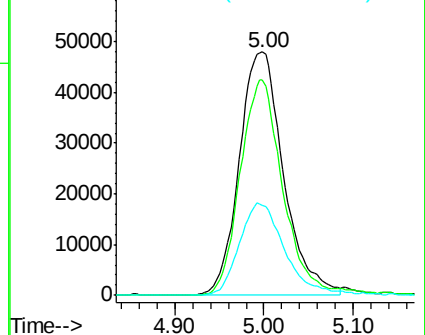
51 38.5 29.6 44.4



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: 107.838 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054662.D

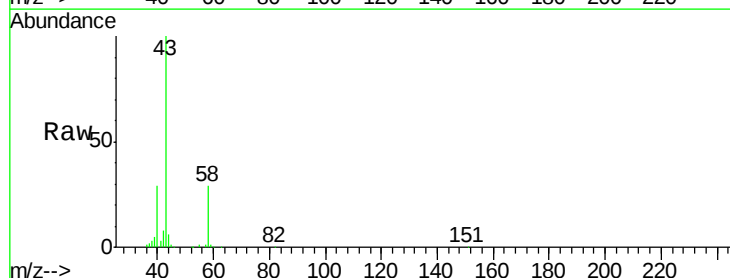
Acq: 25 Mar 2019 10:36

Tgt Ion: 43 Resp: 173307

Ion Ratio Lower Upper

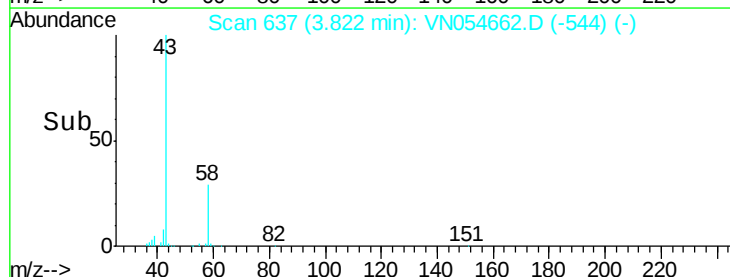
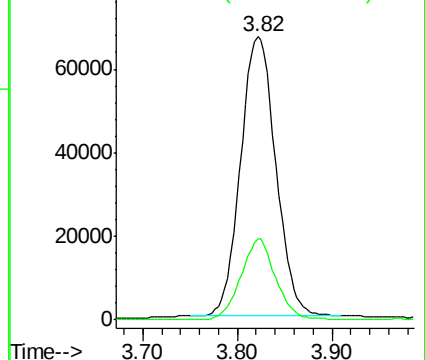
43 100

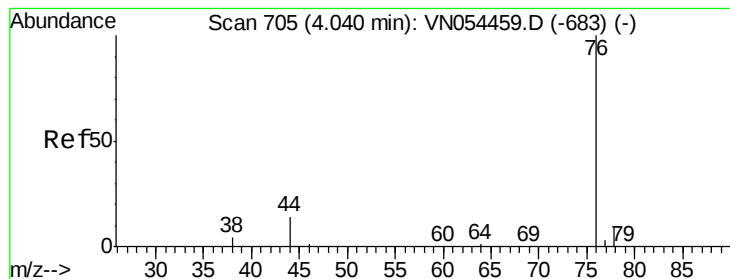
58 29.1 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.818 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

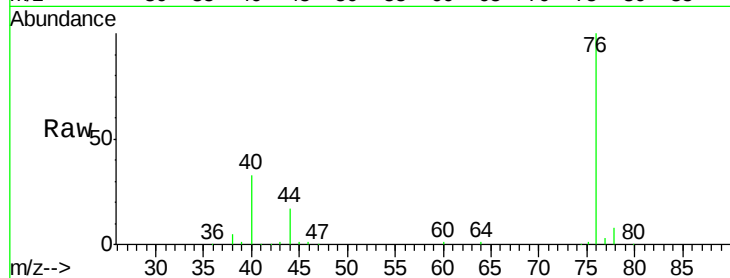
VN0325WBS01

Tot Ion: 76 Resp: 186792

Ion Ratio Lower Upper

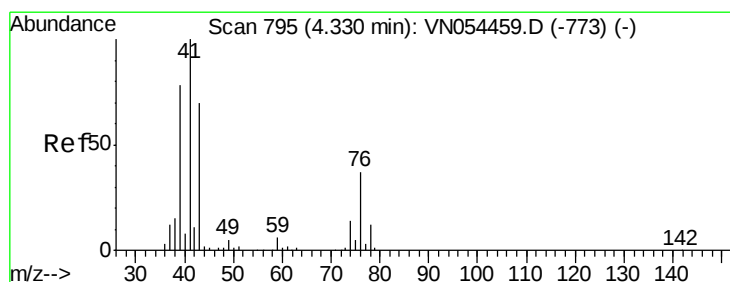
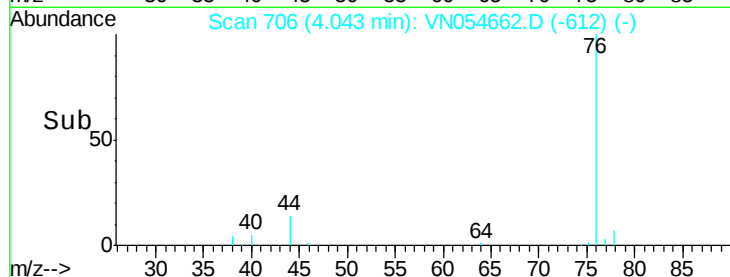
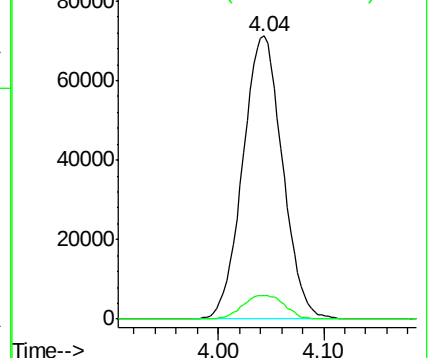
76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.331 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054662.D

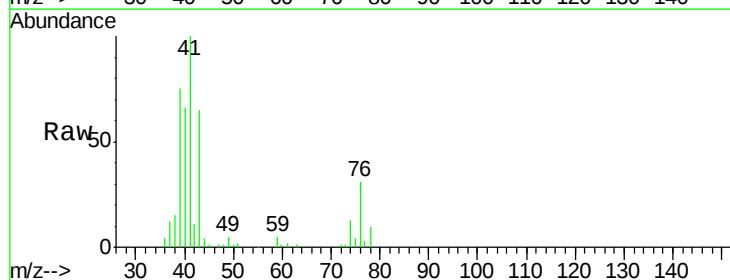
Acq: 25 Mar 2019 10:36

Tgt Ion: 43 Resp: 76409

Ion Ratio Lower Upper

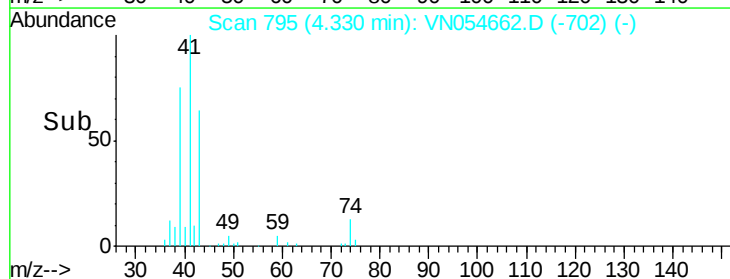
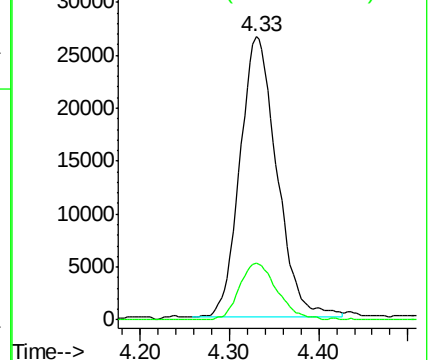
43 100

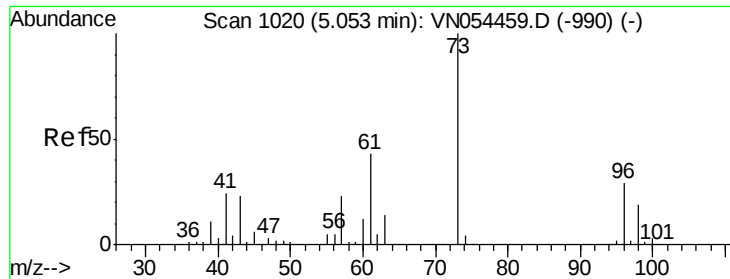
74 20.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

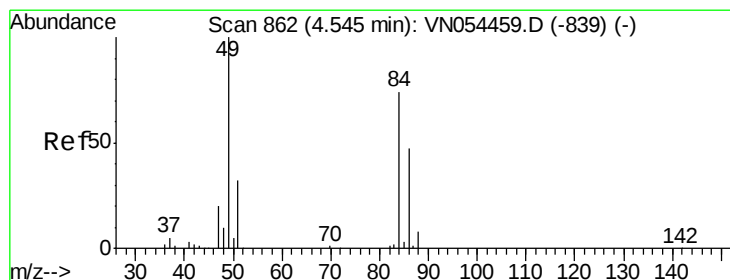
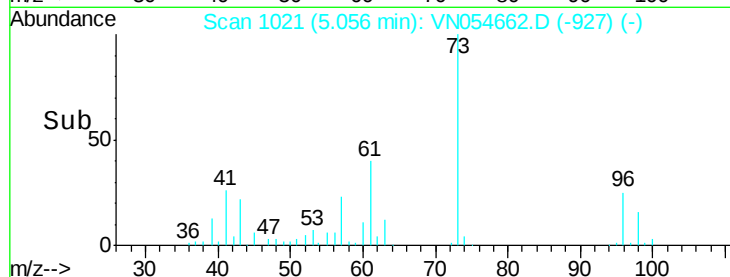
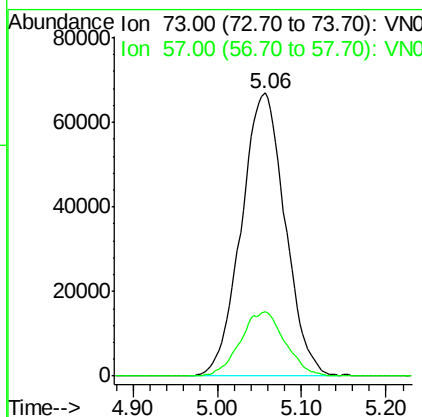
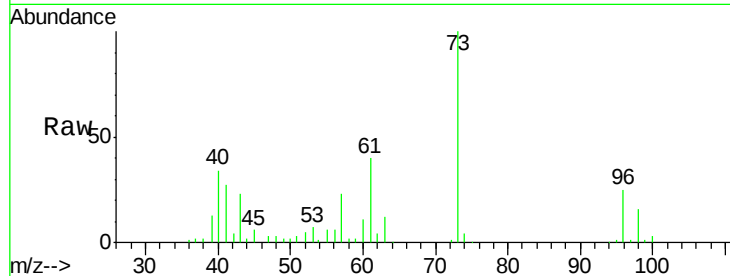




#19
Methvl tert-butvl Ether
Concen: 19.966 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

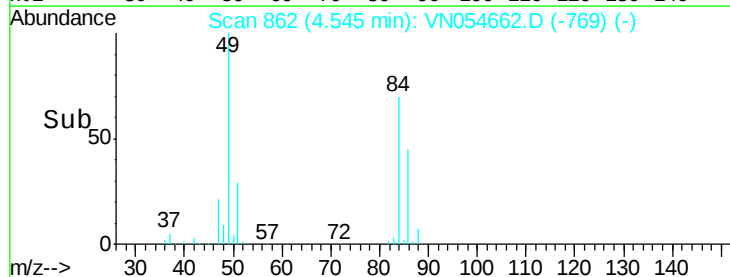
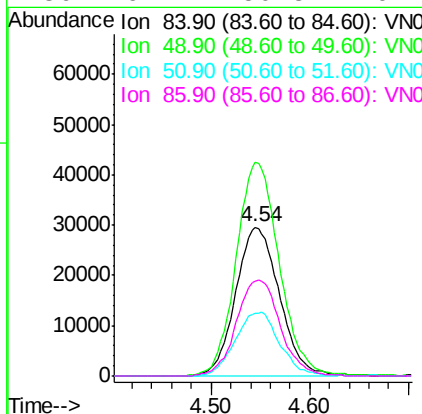
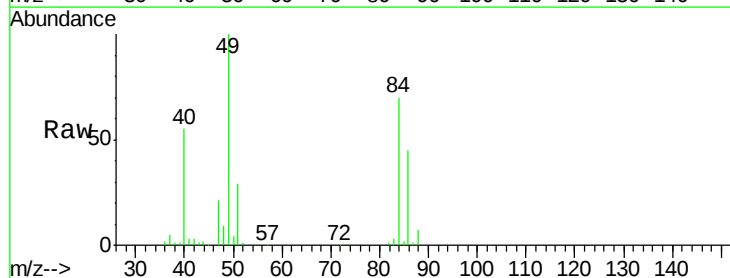
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

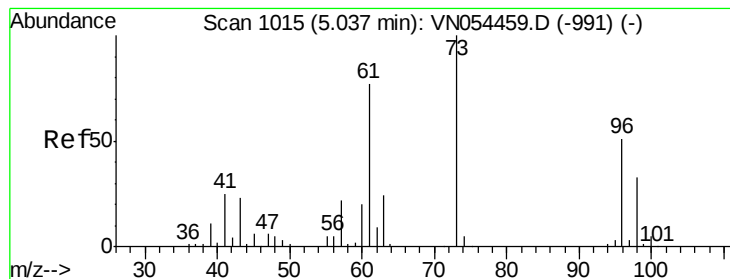
Tot Ion: 73 Resp: 241528
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 19.210 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 84 Resp: 91008
Ion Ratio Lower Upper
84 100
49 143.2 89.7 134.5#
51 42.0 28.2 42.4
86 64.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.194 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

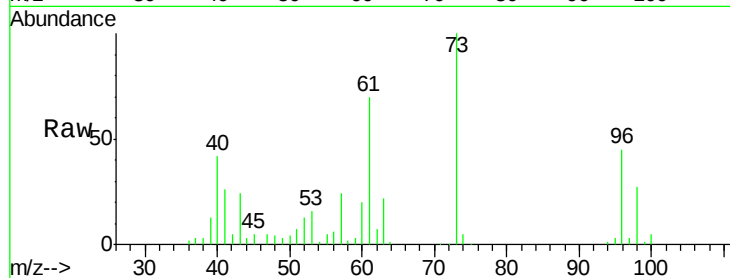
Tot Ion: 96 Resp: 81239

Ion Ratio Lower Upper

96 100

61 155.5 102.8 154.2#

98 60.8 50.0 75.0

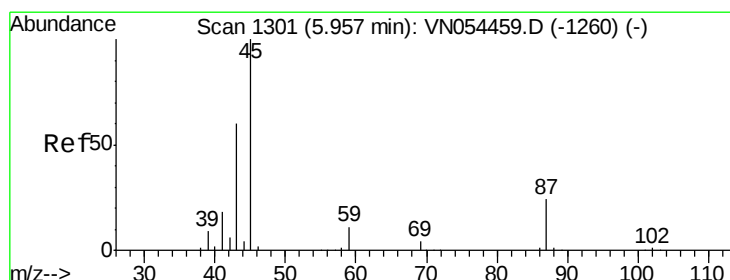
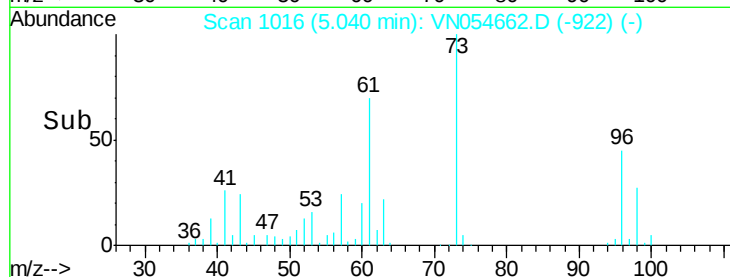
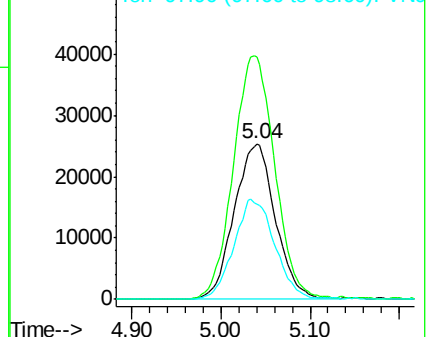


Abundance

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: 20.845 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion: 45 Resp: 320936

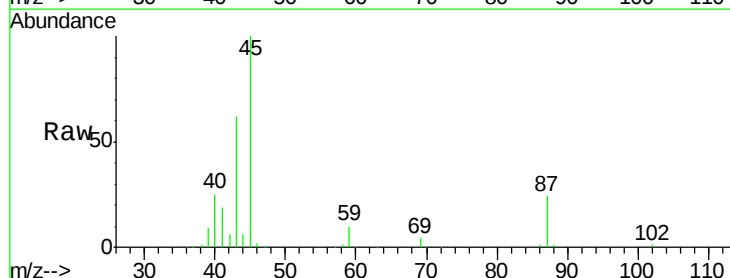
Ion Ratio Lower Upper

45 100

43 59.0 48.2 72.2

87 23.8 24.9 37.3#

59 10.0 9.5 14.3



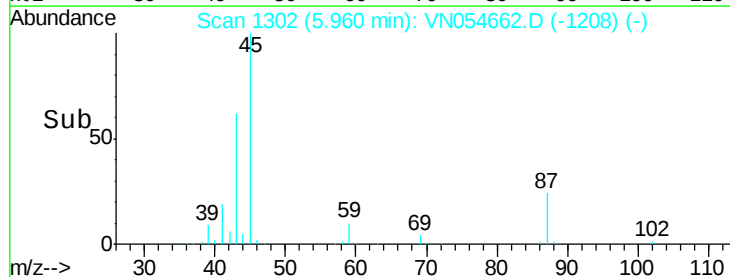
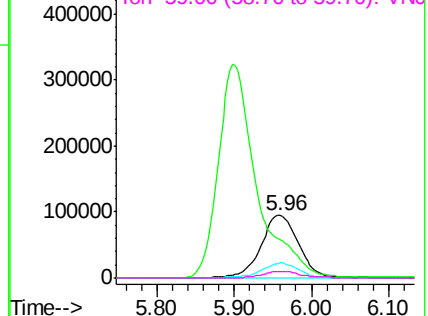
Abundance

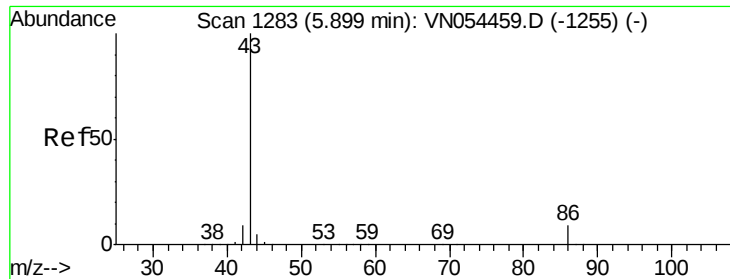
Ion 45.00 (44.70 to 45.70): VN0

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

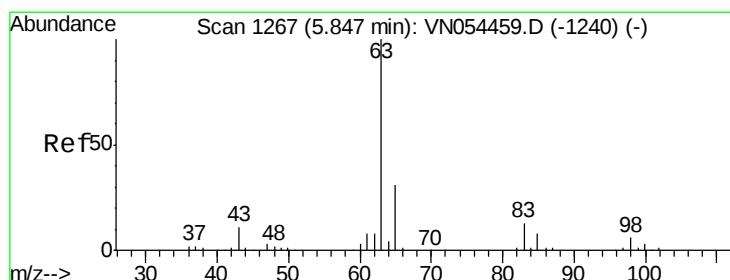
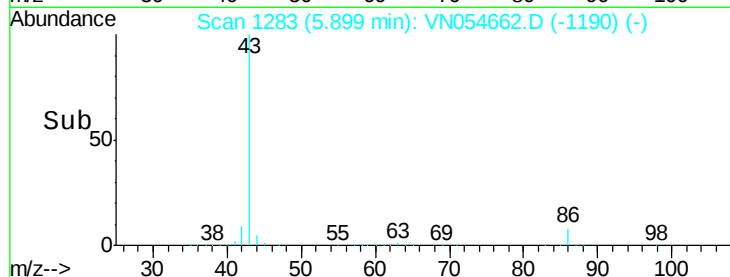
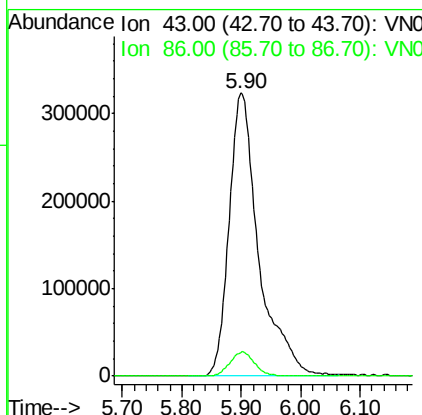
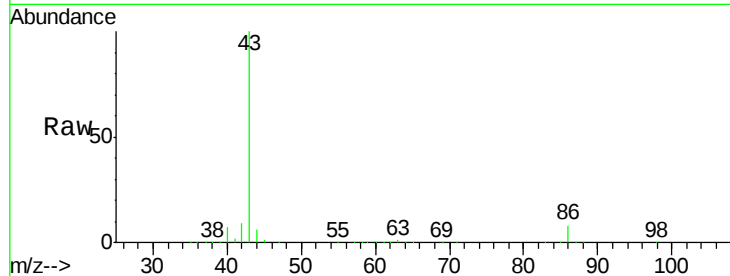




#23
 Vinyl Acetate
 Concen: 103.394 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

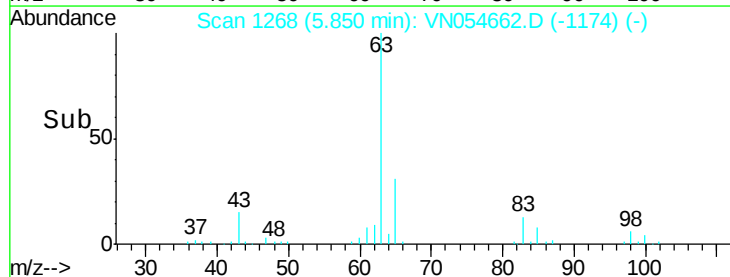
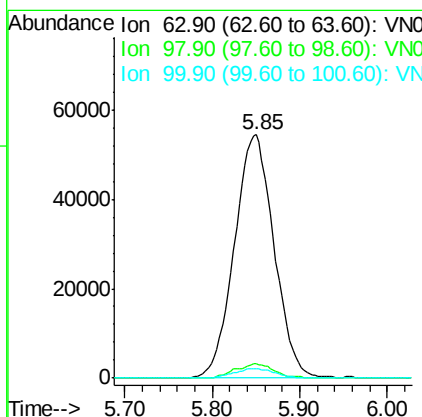
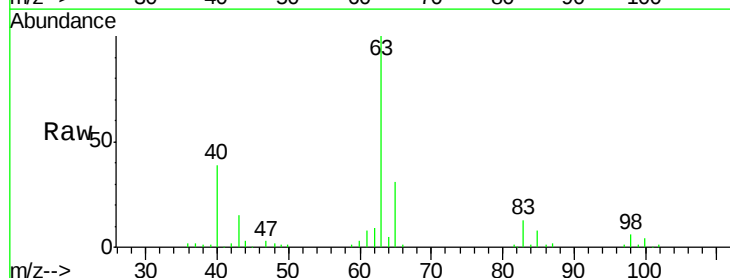
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

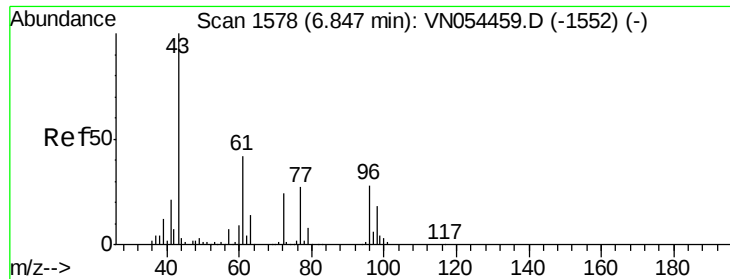
Tot Ion: 43 Resp: 1124289
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 20.624 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 63 Resp: 170967
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 3.7 2.0 6.0

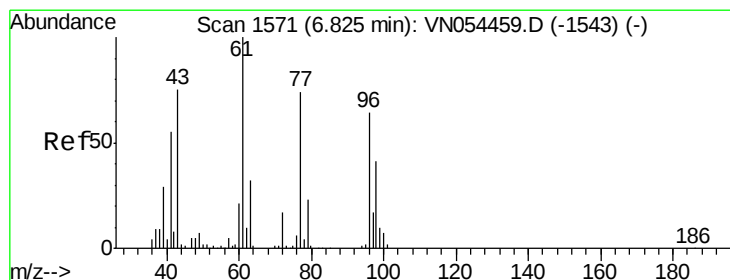
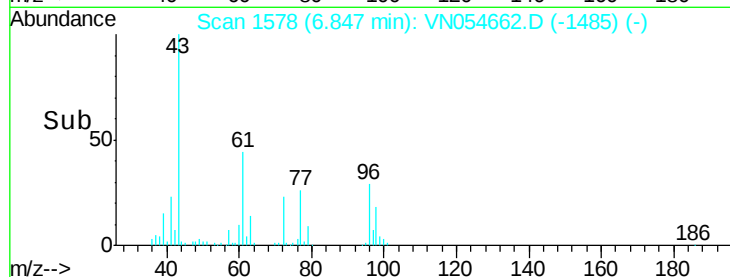
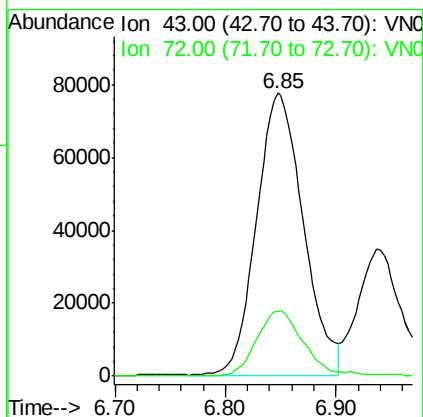
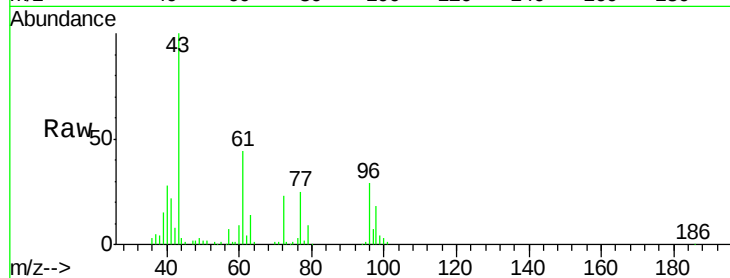




#25
2-Butanone
Concen: 110.398 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

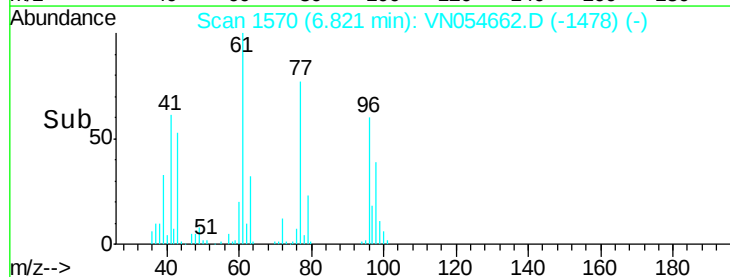
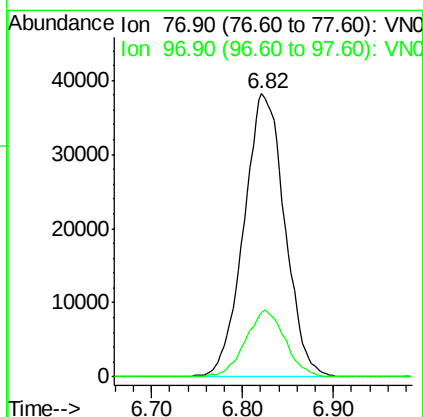
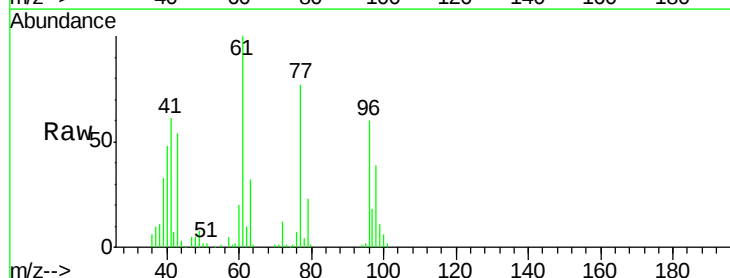
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

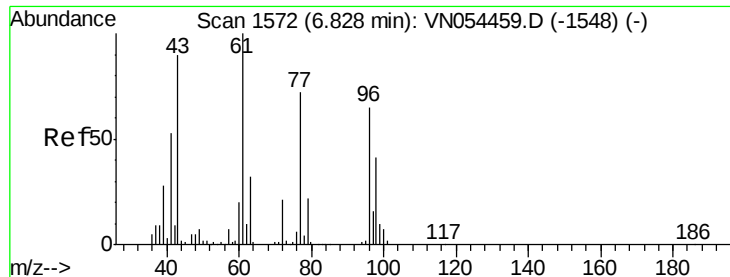
Tot Ion: 43 Resp: 227276
Ion Ratio Lower Upper
43 100
72 23.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 20.141 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 77 Resp: 119023
Ion Ratio Lower Upper
77 100
97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.960 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

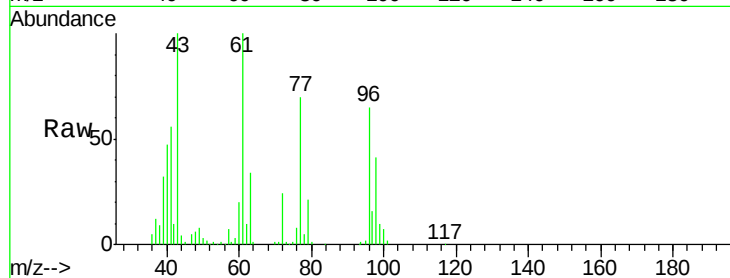
Tot Ion: 96 Resp: 95720

Ion Ratio Lower Upper

96 100

61 160.9 0.0 273.0

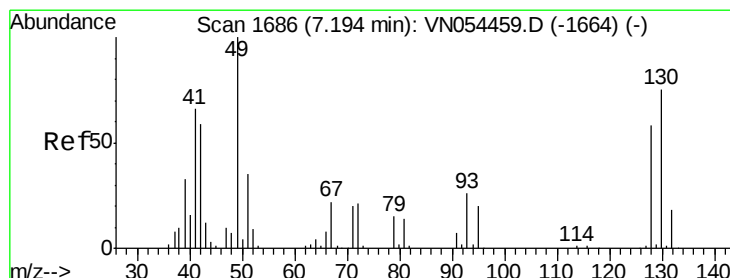
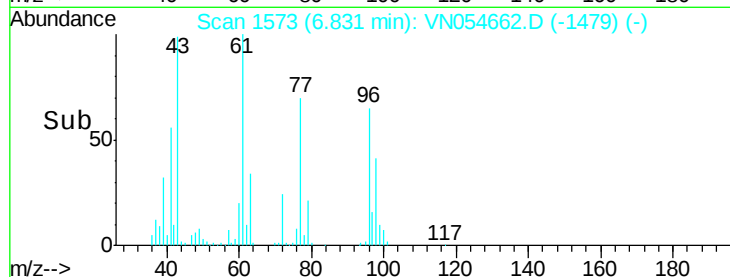
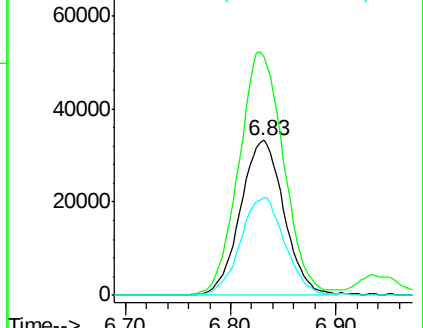
98 64.4 0.0 130.6



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: 20.717 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

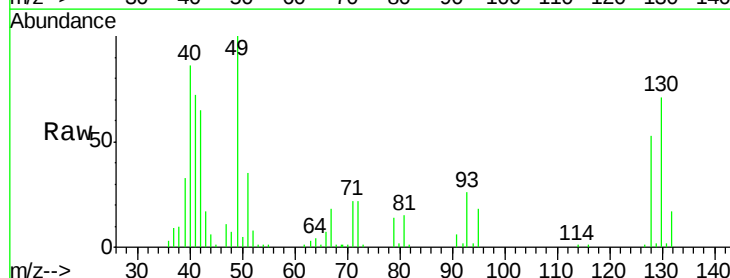
Tgt Ion: 49 Resp: 84535

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.6

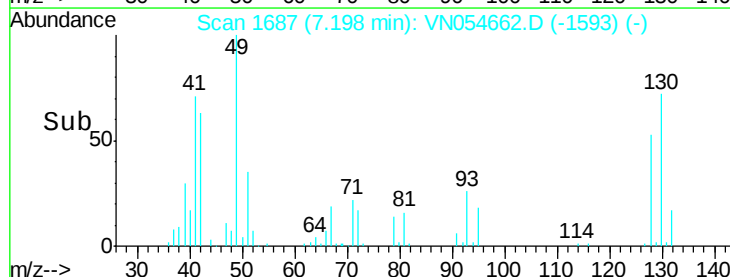
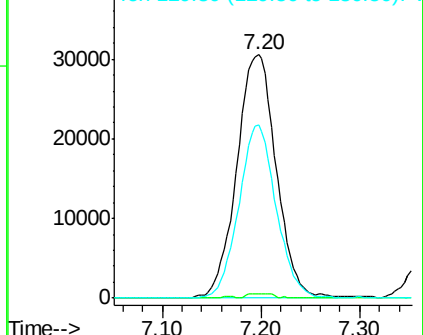
130 67.6 76.7 115.1#

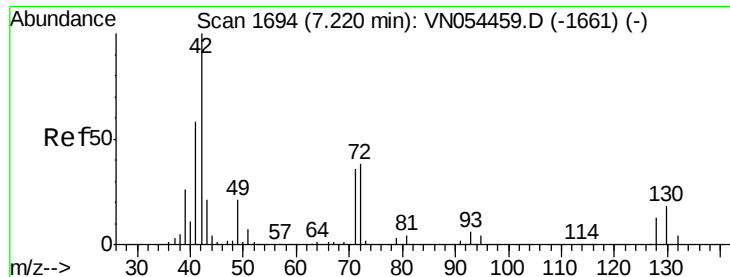


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.288 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

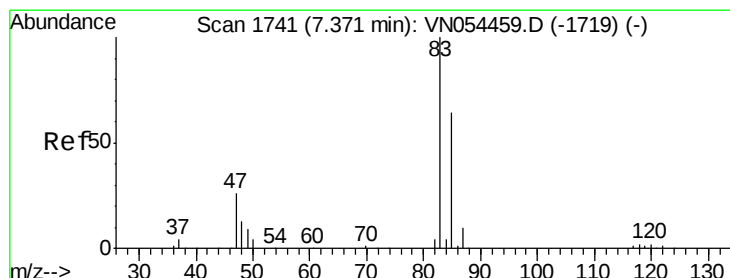
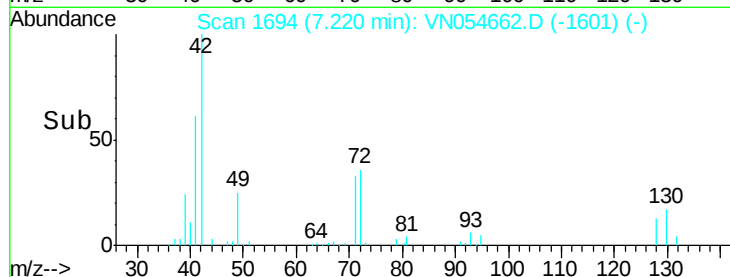
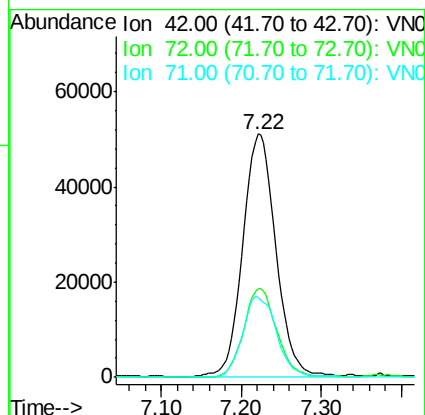
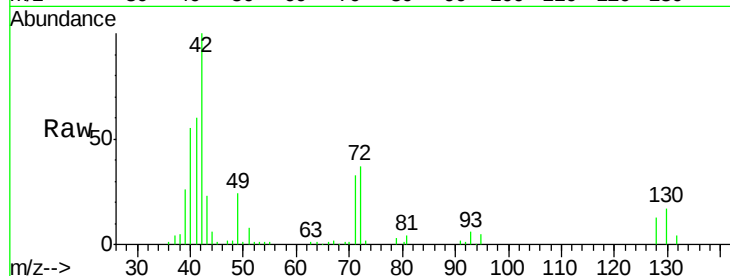
Tot Ion: 42 Resp: 141996

Ion Ratio Lower Upper

42 100

72 36.5 37.8 56.6#

71 34.2 36.2 54.2#



#30

Chloroform

Concen: 20.474 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054662.D

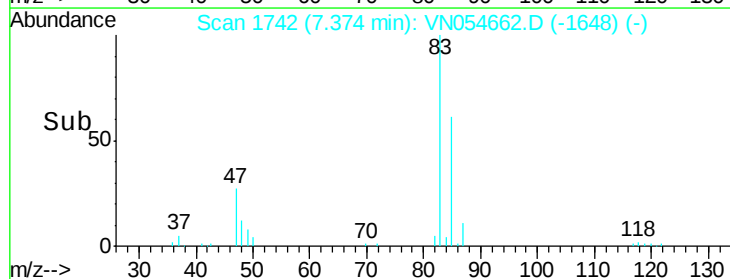
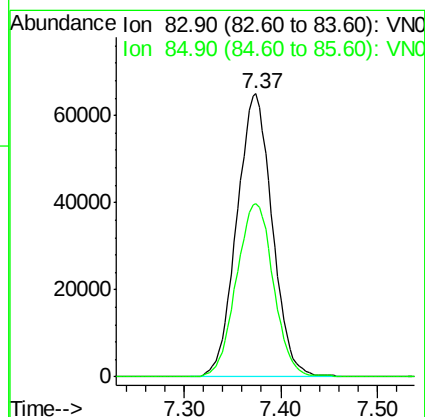
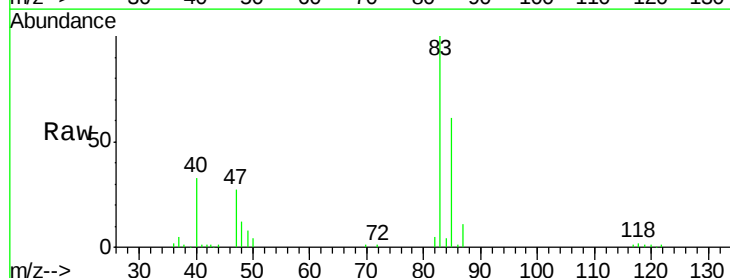
Acq: 25 Mar 2019 10:36

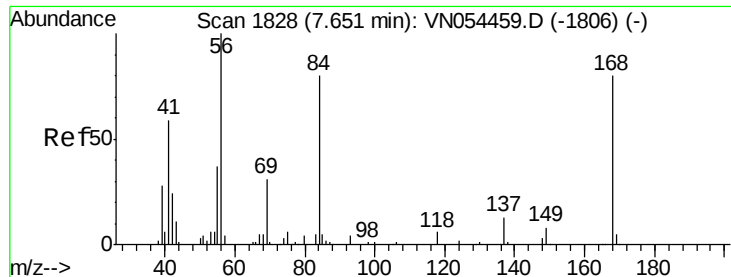
Tgt Ion: 83 Resp: 165637

Ion Ratio Lower Upper

83 100

85 61.3 52.2 78.4





#31

Cyclohexane

Concen: 19.083 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

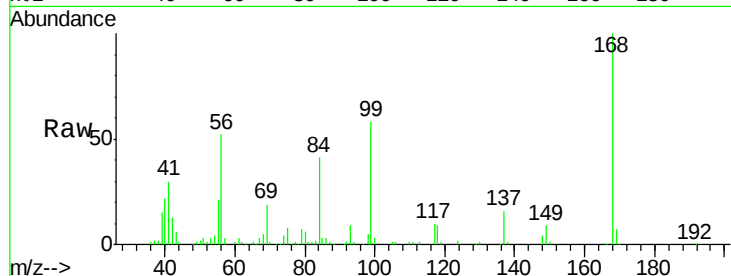
Tot Ion: 56 Resp: 160707

Ion Ratio Lower Upper

56 100

69 35.8 27.8 41.6

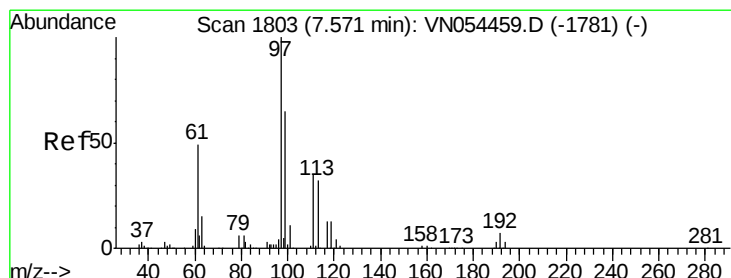
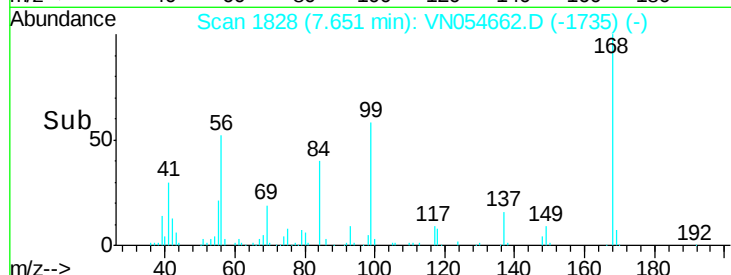
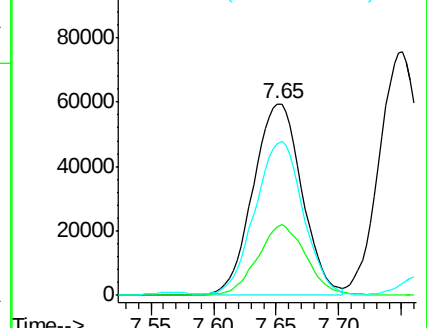
84 78.2 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.223 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

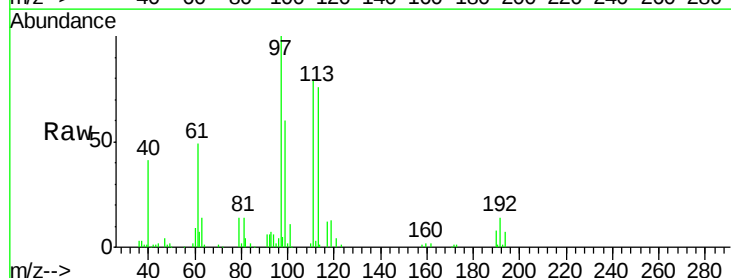
Tgt Ion: 97 Resp: 134976

Ion Ratio Lower Upper

97 100

99 62.6 51.5 77.3

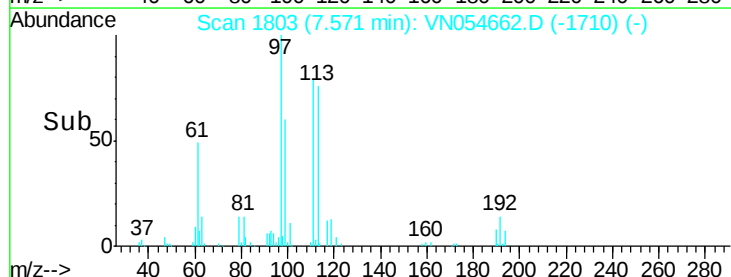
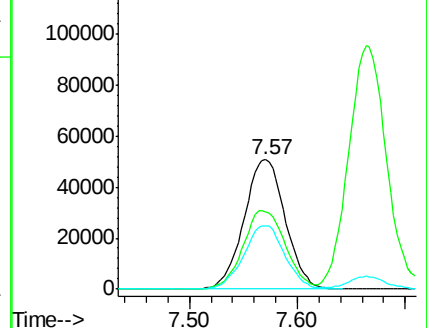
61 48.7 33.6 50.4

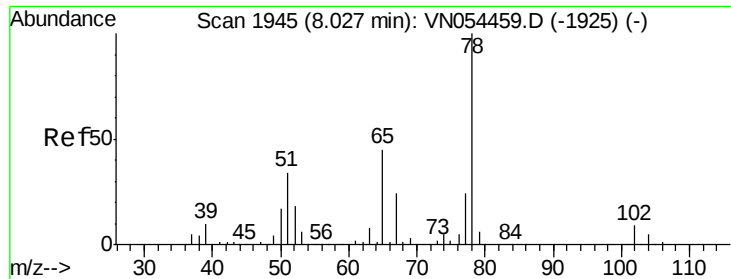


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

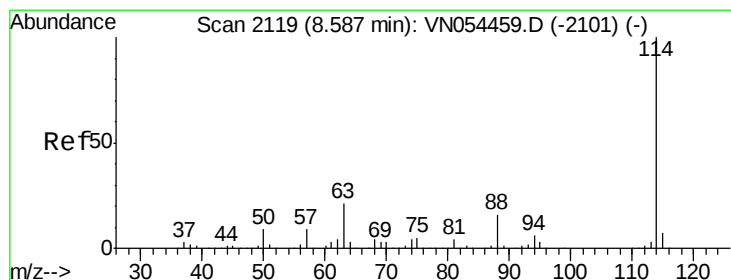
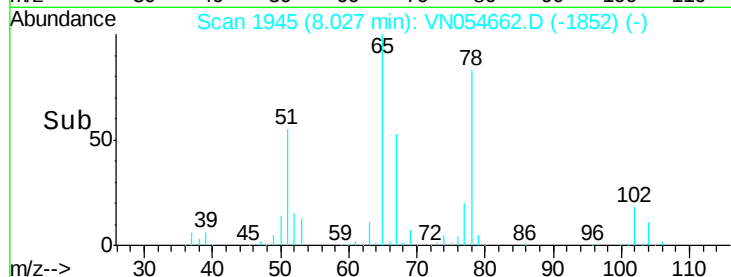
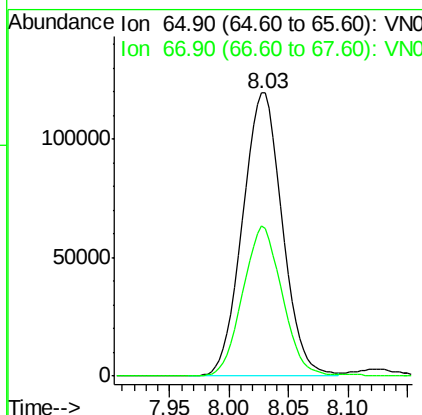
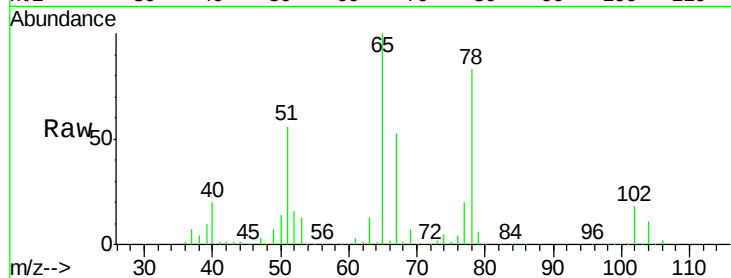




#33
 1,2-Dichloroethane-d4
 Concen: 51.985 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

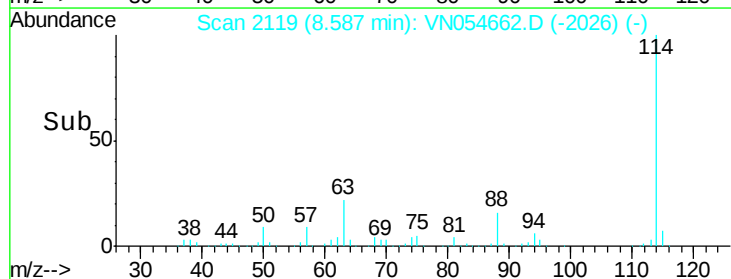
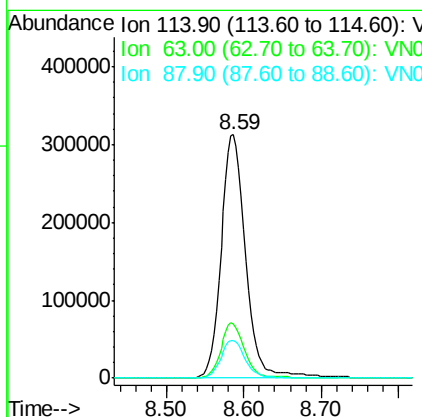
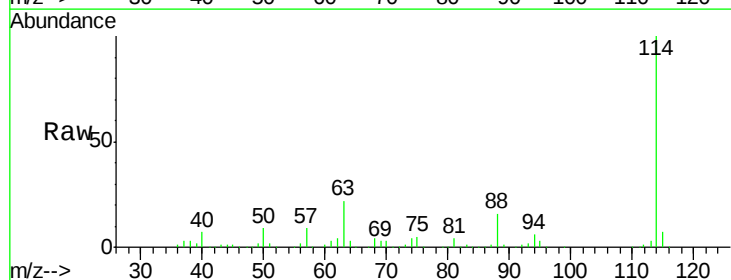
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

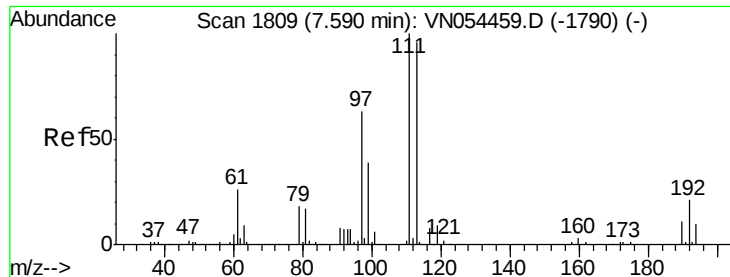
Tot Ion: 65 Resp: 277881
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 114 Resp: 687634
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.5 0.0 30.2

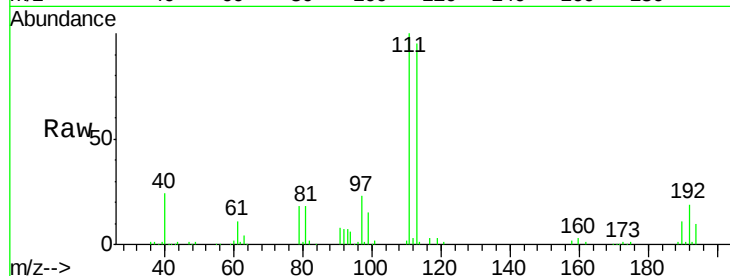




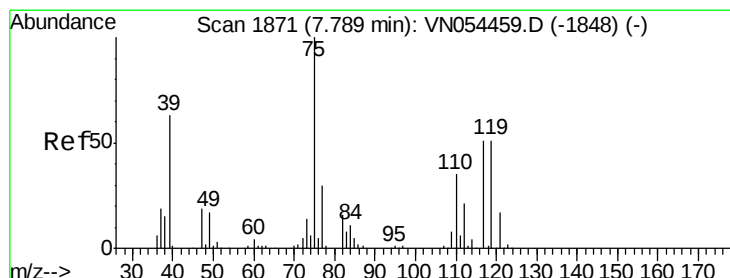
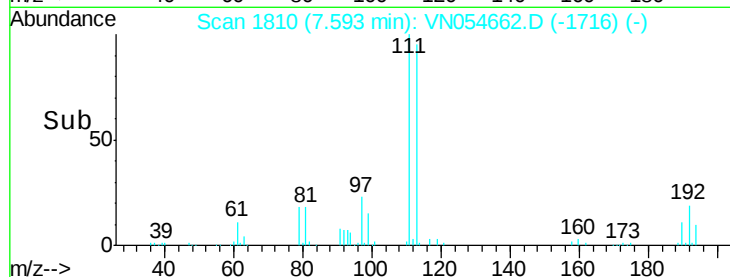
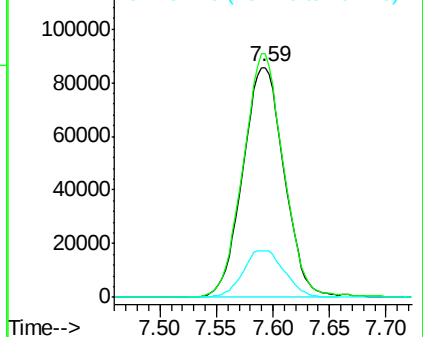
#35
 Dibromofluoromethane
 Concen: 49.168 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.4
192	20.5	19.2	28.8

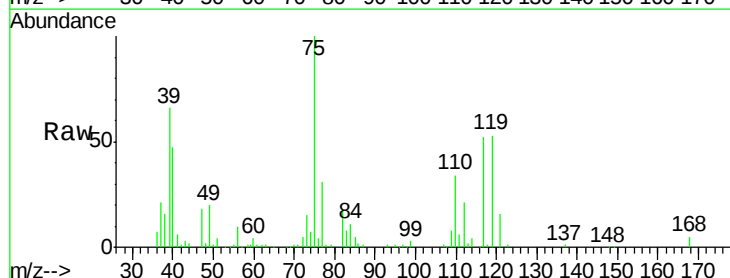


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

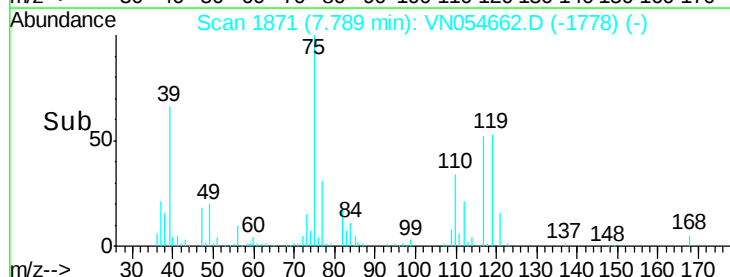
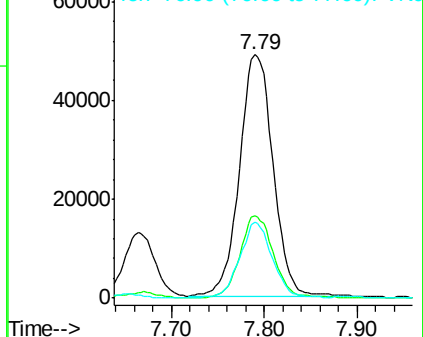


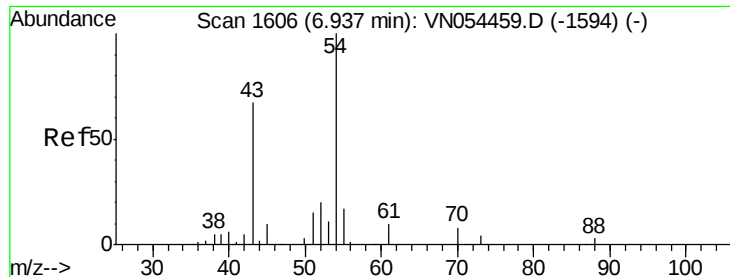
#36
 1,1-Dichloropropene
 Concen: 19.161 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.5
77	30.5	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

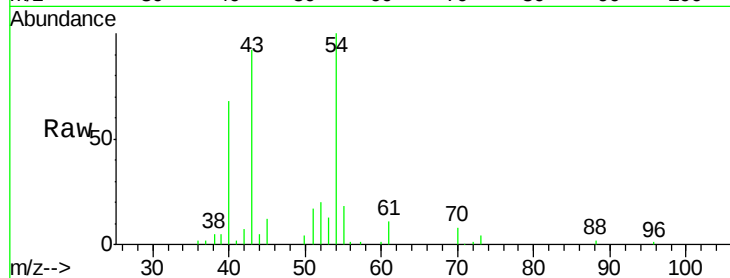




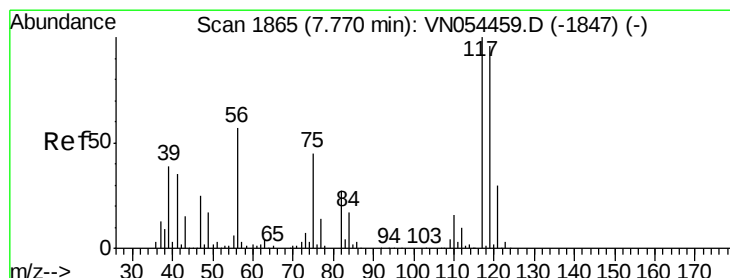
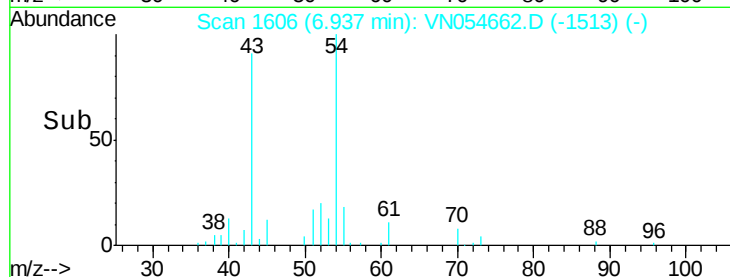
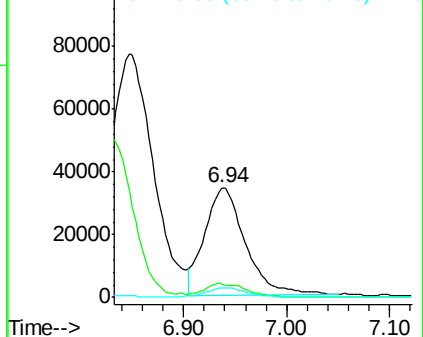
#37
Ethyl Acetate
Concen: 20.368 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion: 43 Resp: 93140
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.6
70 9.4 8.4 12.6

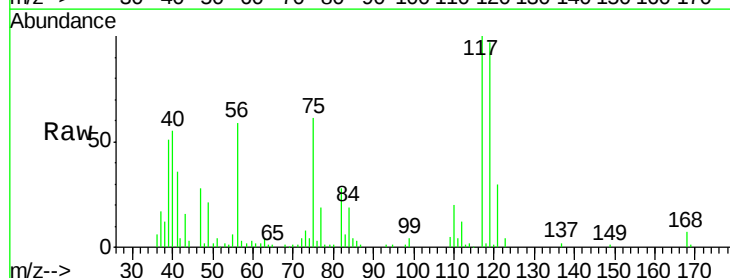


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

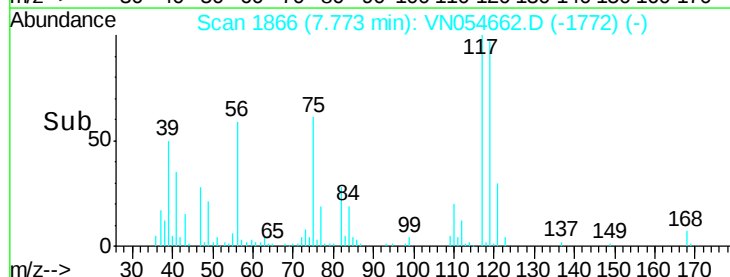
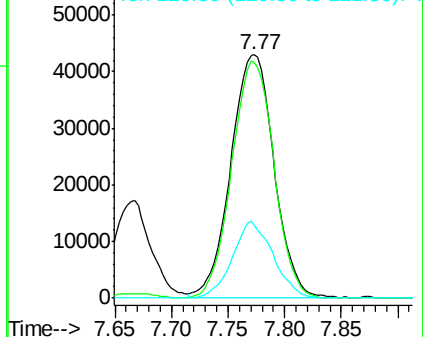


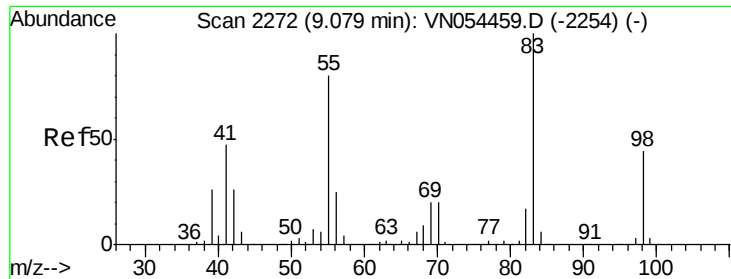
#38
Carbon Tetrachloride
Concen: 18.201 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 117 Resp: 113718
Ion Ratio Lower Upper
117 100
119 97.2 76.3 114.5
121 30.2 24.6 36.8



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

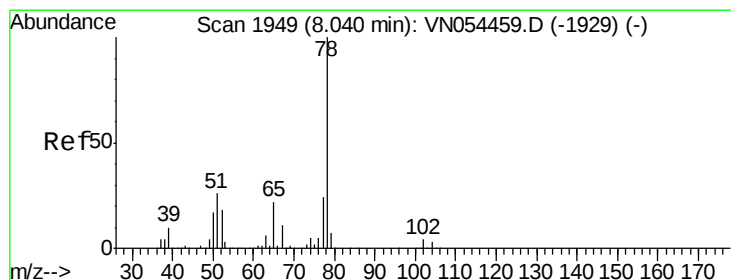
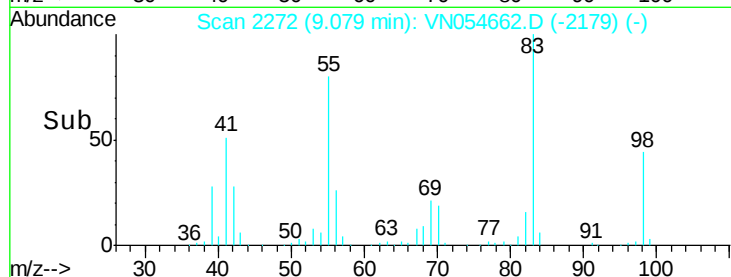
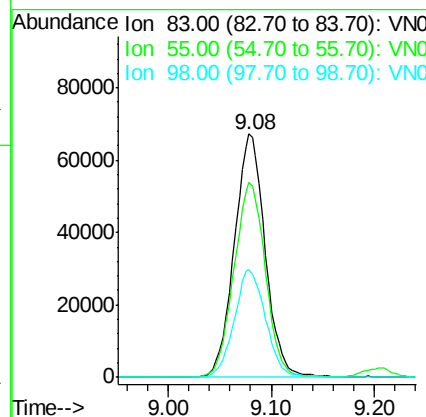
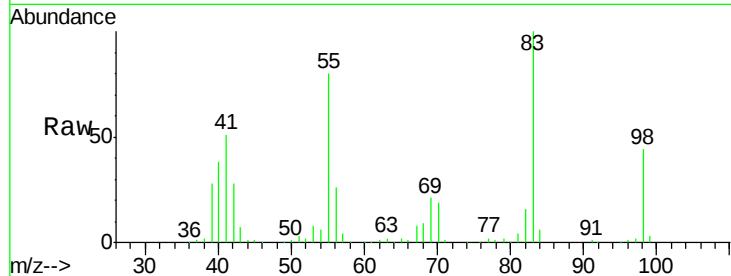




#39
Methvlcvclohexane
Concen: 19.037 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

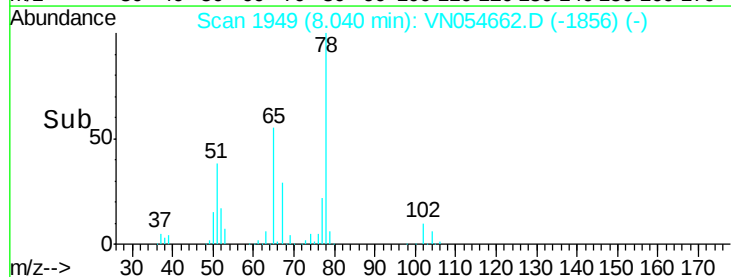
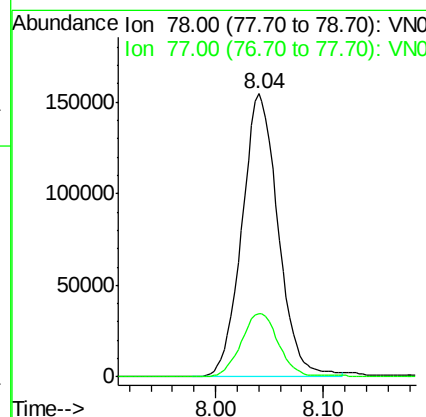
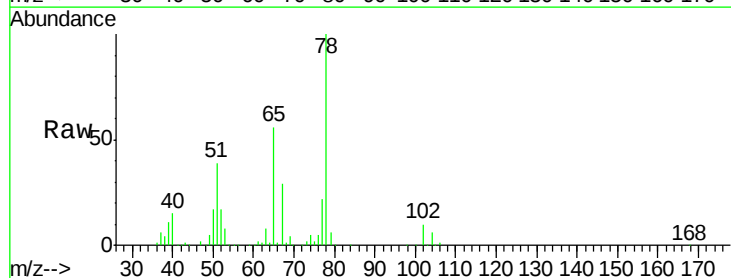
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion: 83 Resp: 140009
Ion Ratio Lower Upper
83 100
55 80.1 56.6 84.8
98 44.2 38.4 57.6



#40
Benzene
Concen: 19.665 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 78 Resp: 361538
Ion Ratio Lower Upper
78 100
77 22.5 19.1 28.7





#41

Methacrylonitrile

Concen: 16.877 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 41 Resp: 47067

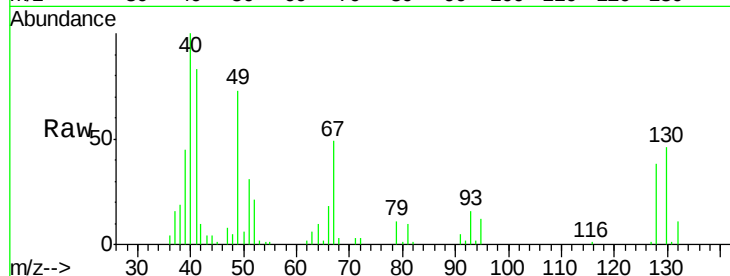
Ion Ratio Lower Upper

41 100

39 62.6 46.8 70.2

67 77.5 67.0 100.4

52 34.6 26.5 39.7

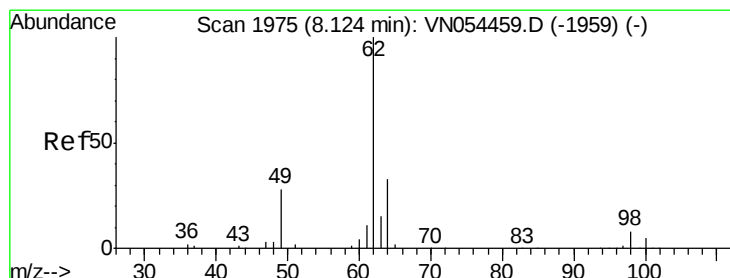
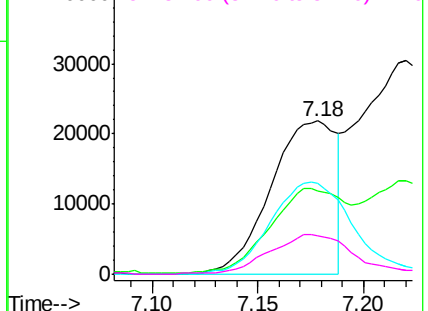
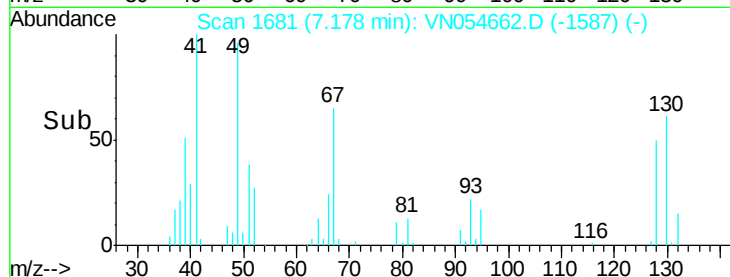


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.840 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054662.D

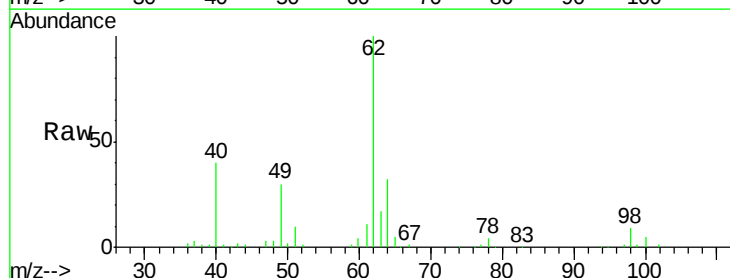
Acq: 25 Mar 2019 10:36

Tgt Ion: 62 Resp: 132839

Ion Ratio Lower Upper

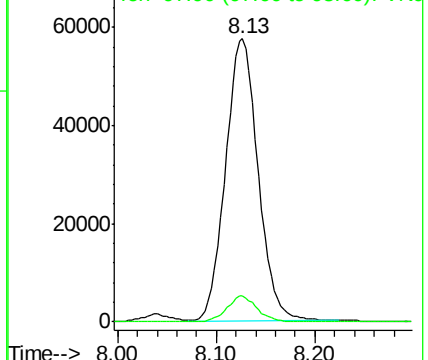
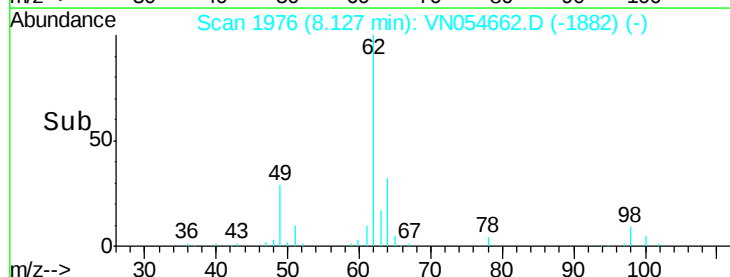
62 100

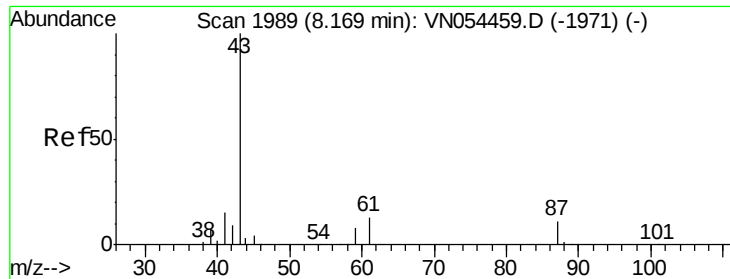
98 8.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.221 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

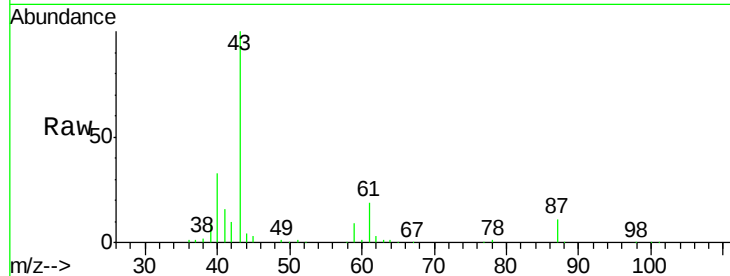
Tot Ion: 43 Resp: 156162

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

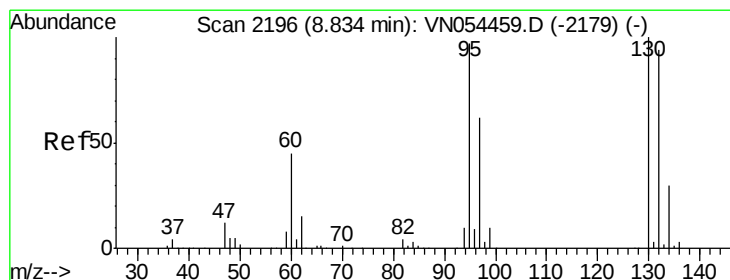
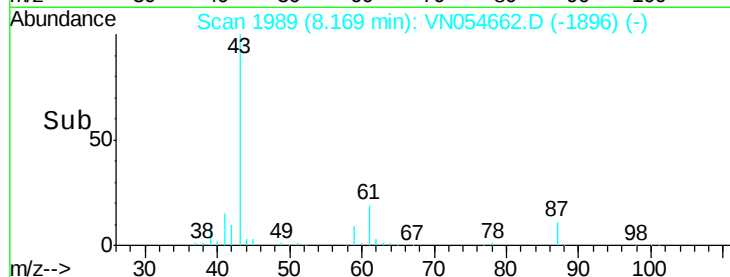
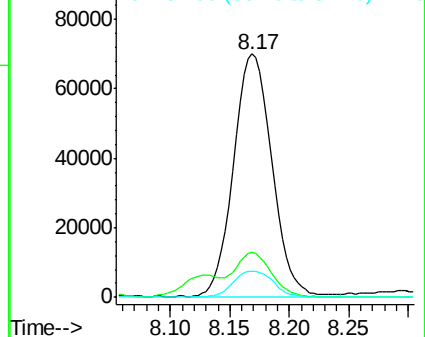
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.499 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054662.D

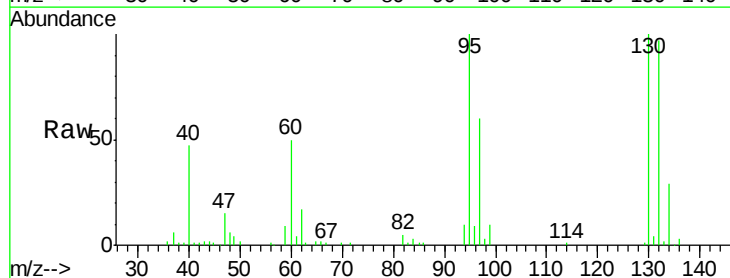
Acq: 25 Mar 2019 10:36

Tgt Ion:130 Resp: 94555

Ion Ratio Lower Upper

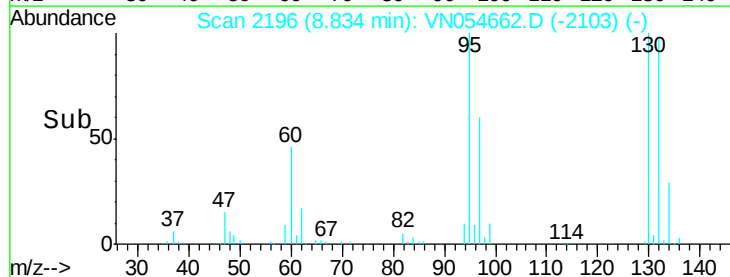
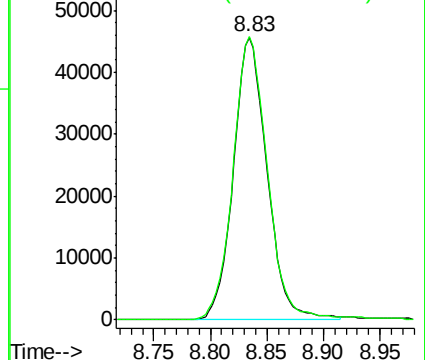
130 100

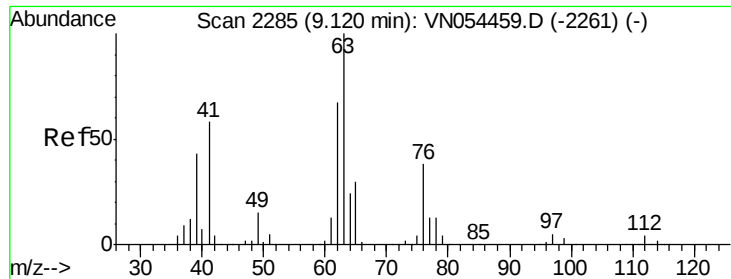
95 100.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.376 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

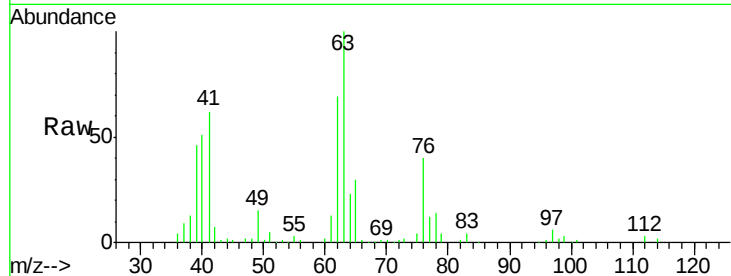
VN0325WBS01

Tot Ion: 63 Resp: 100592

Ion Ratio Lower Upper

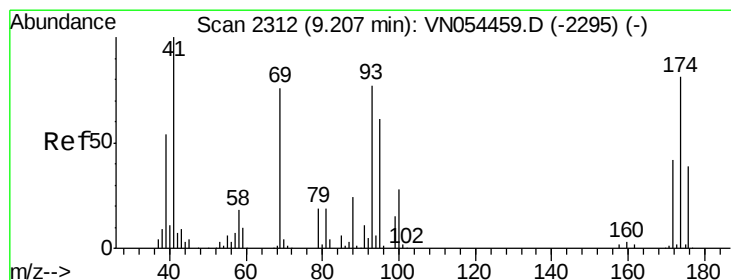
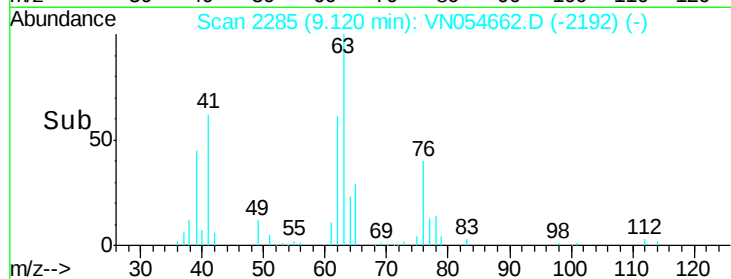
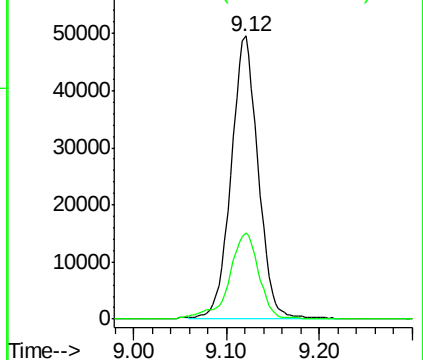
63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.626 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

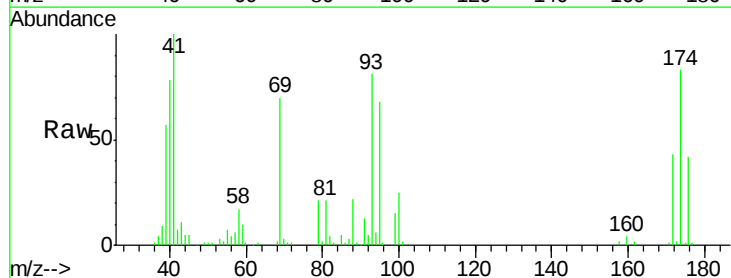
Tgt Ion: 93 Resp: 57802

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

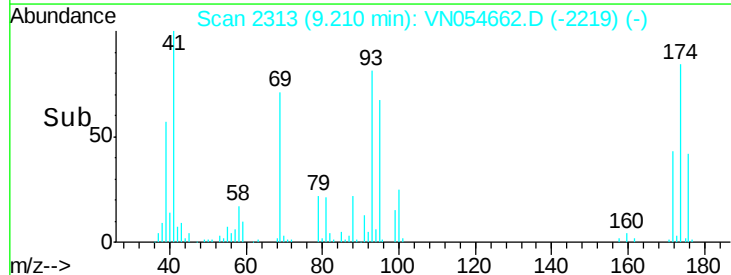
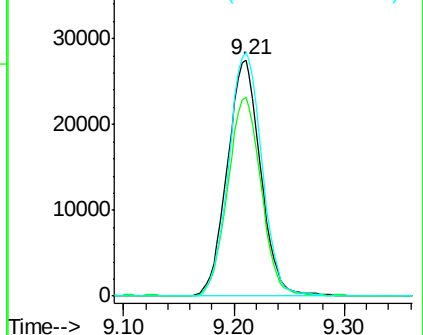
174 102.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.715 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

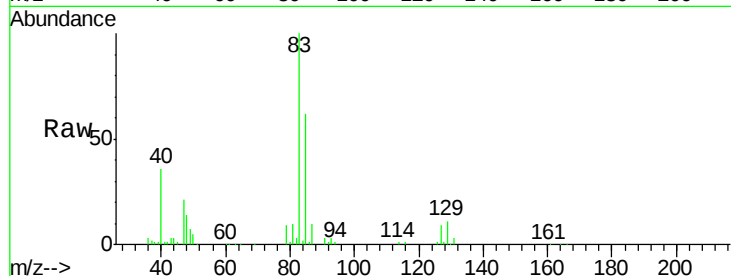
Tot Ion: 83 Resp: 120507

Ion Ratio Lower Upper

83 100

85 61.6 52.8 79.2

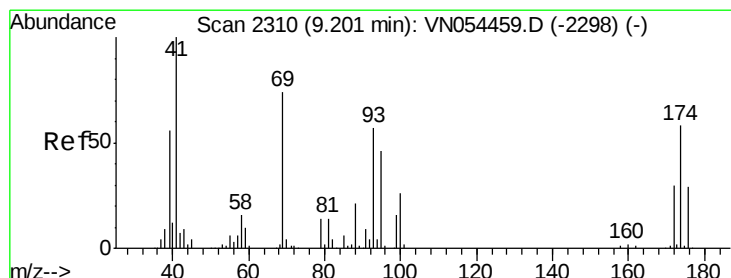
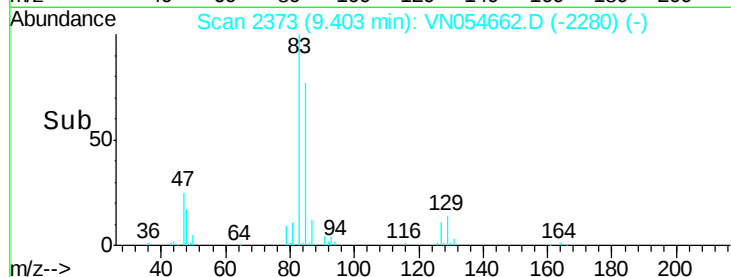
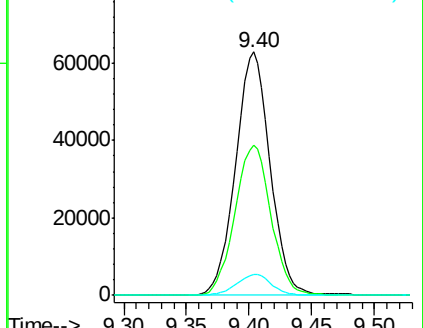
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.084 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

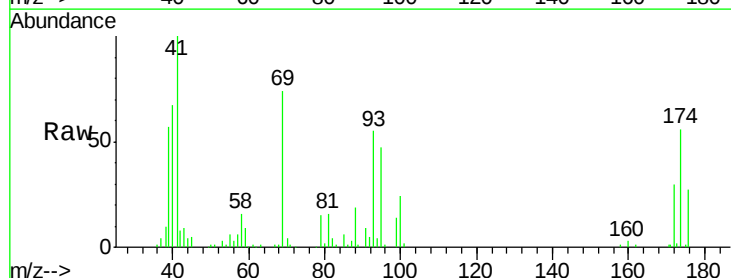
Tgt Ion: 41 Resp: 79995

Ion Ratio Lower Upper

41 100

69 73.9 72.6 108.8

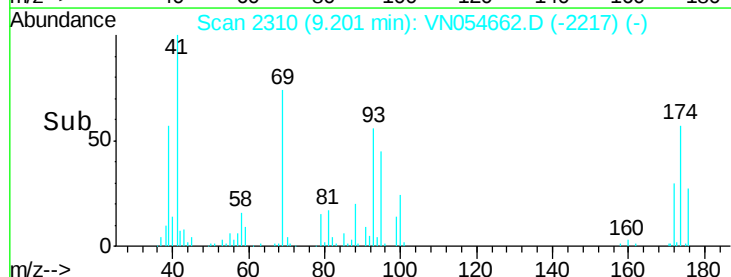
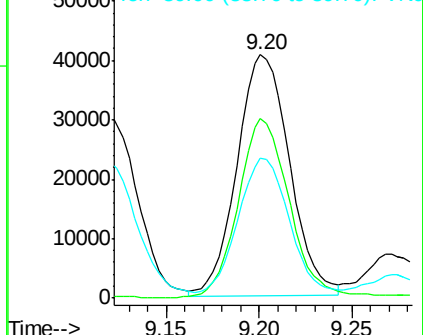
39 56.6 47.5 71.3

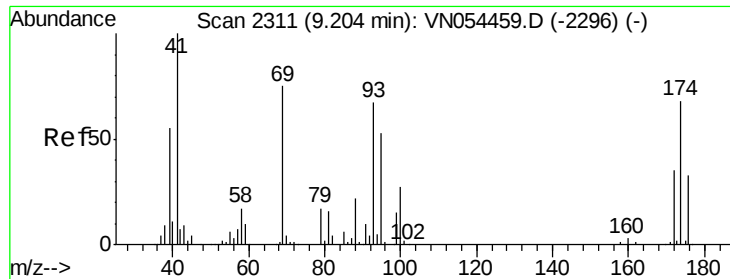


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 377.225 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

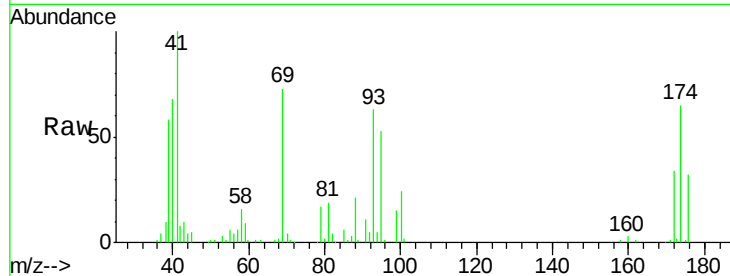
Tot Ion: 88 Resp: 17677

Ion Ratio Lower Upper

88 100

43 41.4 24.1 36.1#

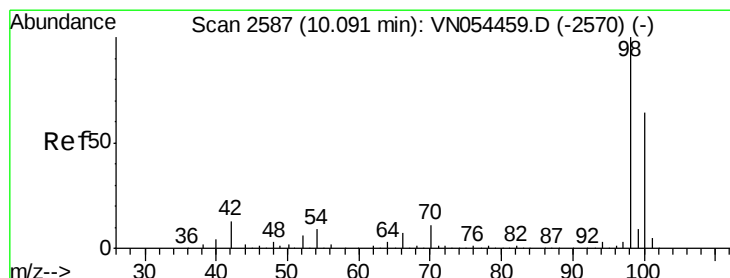
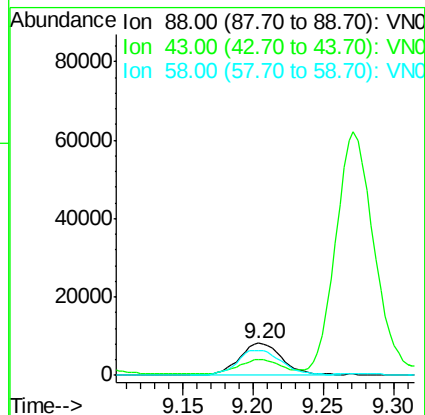
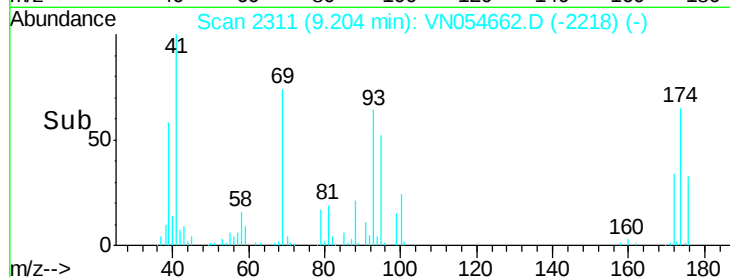
58 80.7 50.8 76.2#



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: 48.330 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054662.D

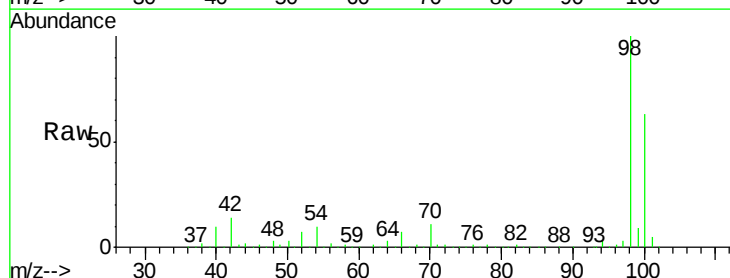
Acq: 25 Mar 2019 10:36

Tgt Ion: 98 Resp: 804912

Ion Ratio Lower Upper

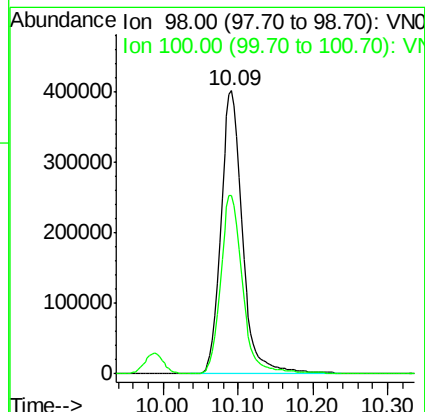
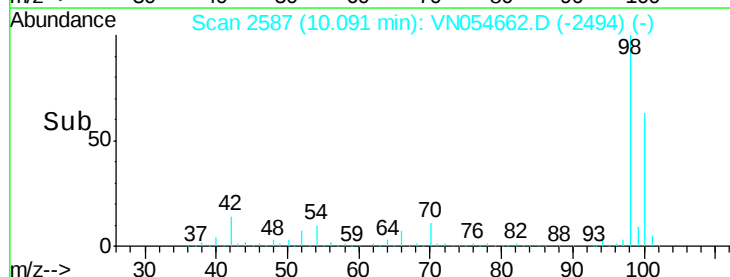
98 100

100 63.4 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: 102.406 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

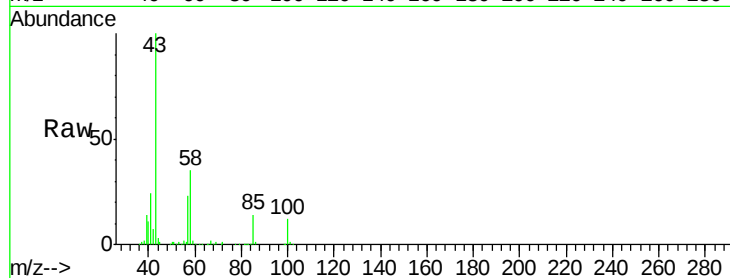
VN0325WBS01

Tot Ion: 43 Resp: 438303

Ion Ratio Lower Upper

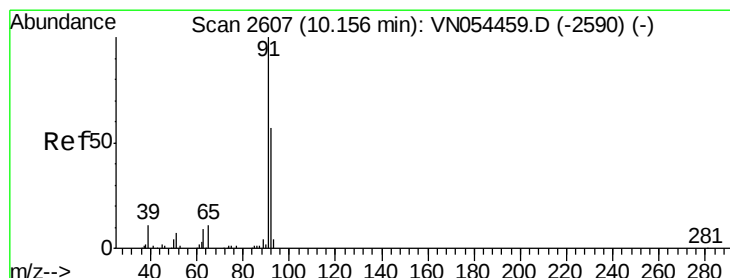
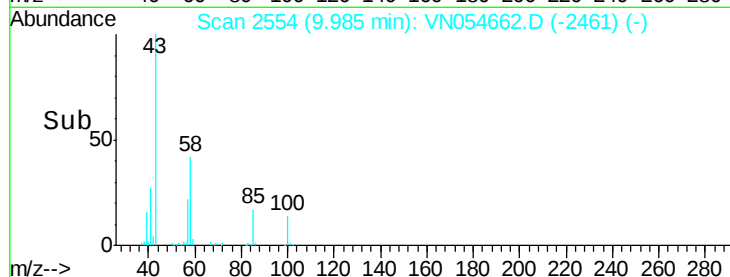
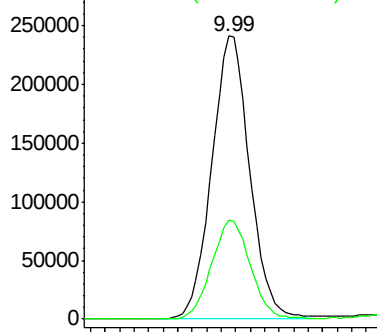
43 100

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: 19.047 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054662.D

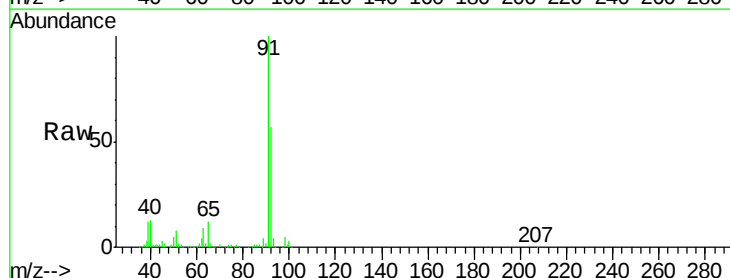
Acq: 25 Mar 2019 10:36

Tgt Ion: 92 Resp: 215376

Ion Ratio Lower Upper

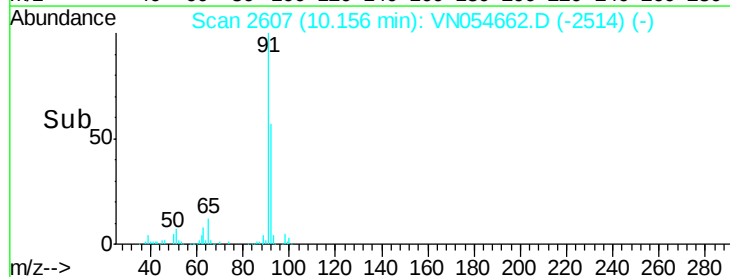
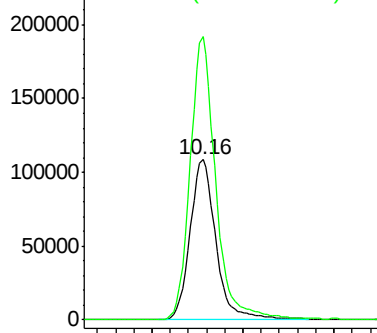
92 100

91 174.8 140.7 211.1



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: 17.775 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

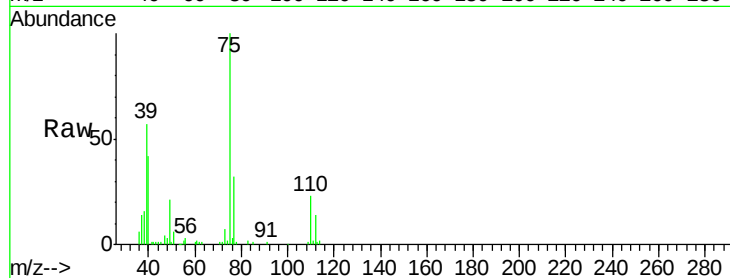
VN0325WBS01

Tot Ion: 75 Resp: 104899

Ion Ratio Lower Upper

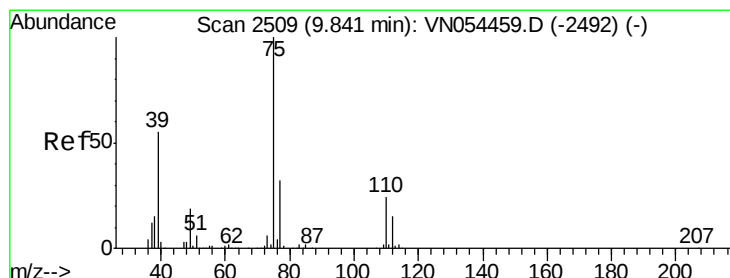
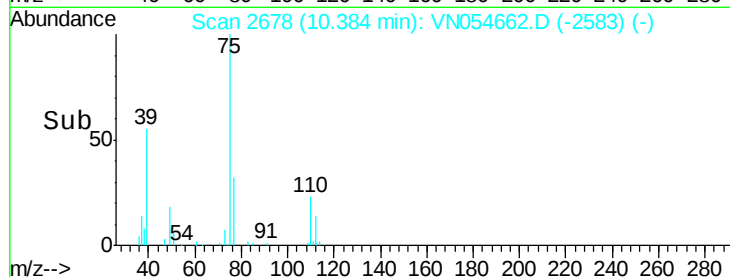
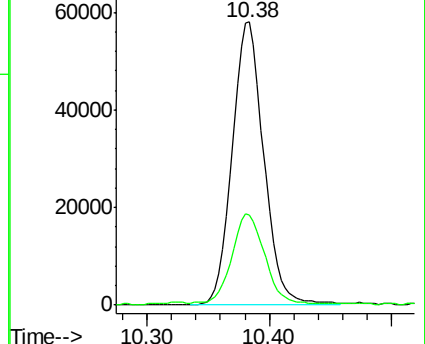
75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.225 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

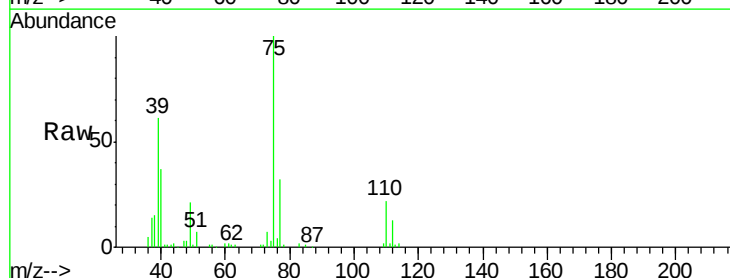
Tgt Ion: 75 Resp: 134737

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

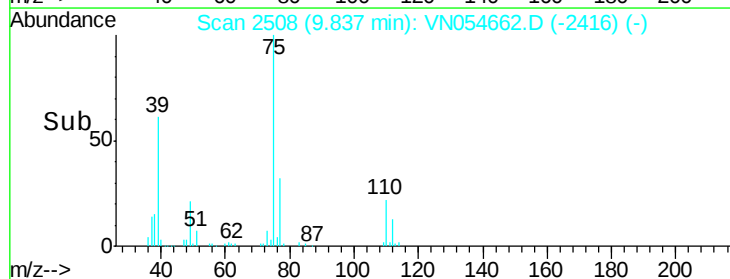
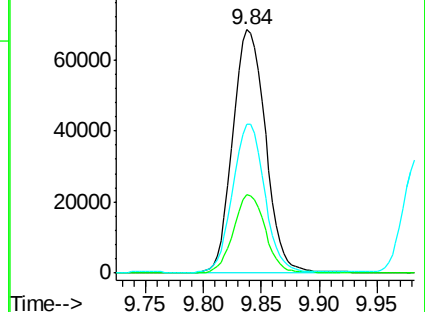
39 60.6 37.2 55.8#

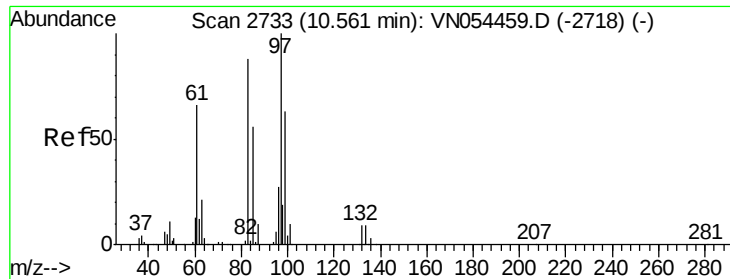


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

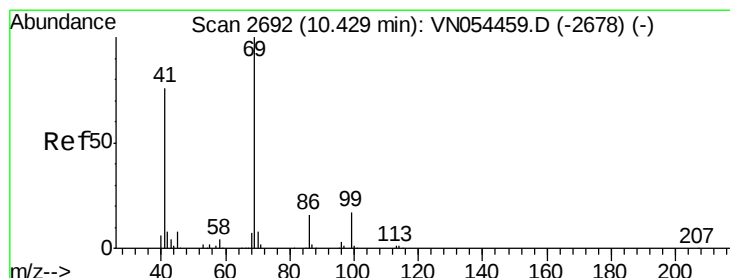
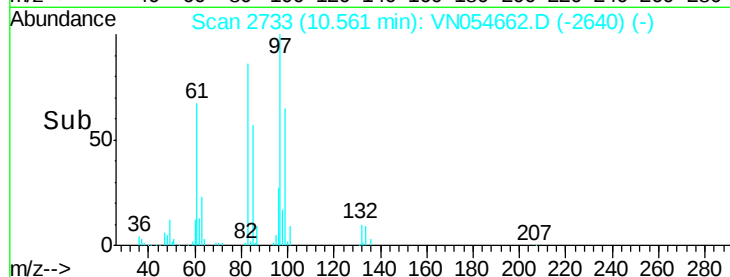
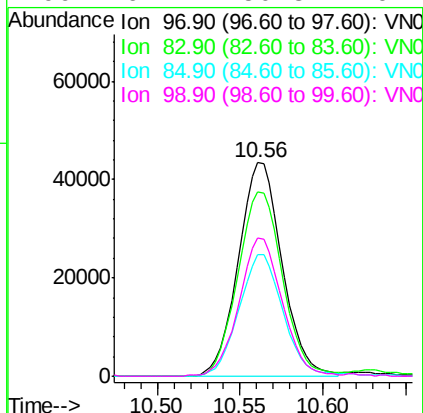
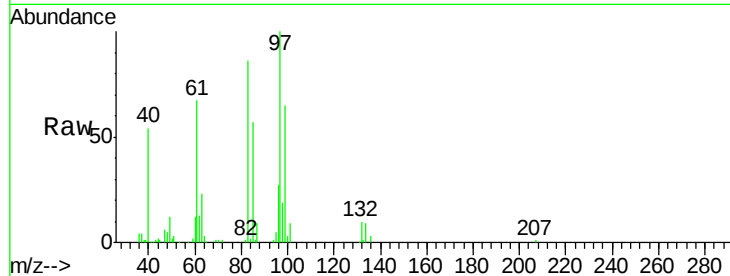




#55
 1,1,2-Trichloroethane
 Concen: 19.598 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

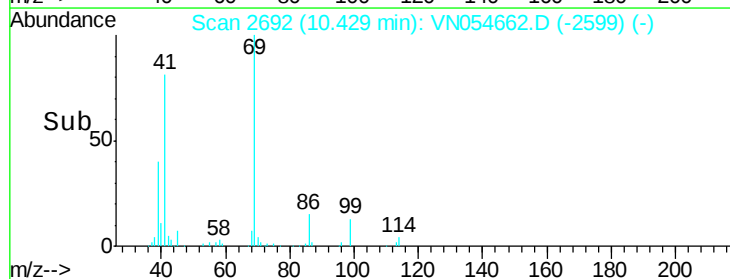
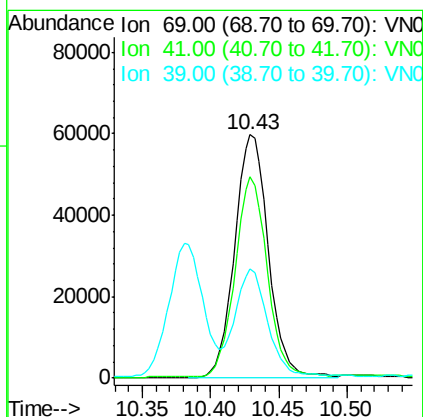
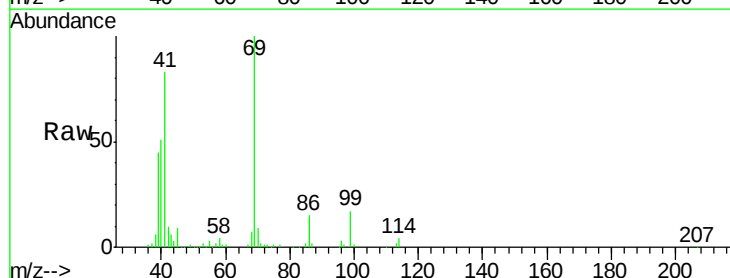
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

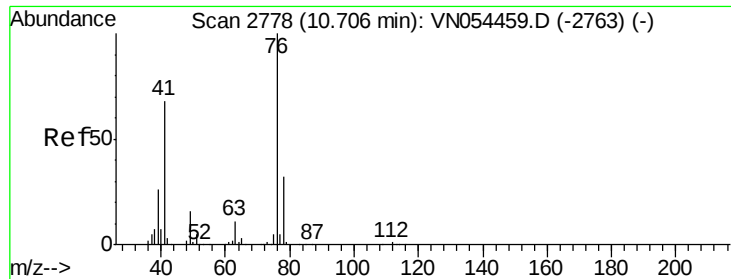
Tot Ion:	97	Resp:	79659
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.6	100.0
85	56.9	44.4	66.6
99	64.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 18.866 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion:	69	Resp:	102930
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	43.3	28.3	42.5#

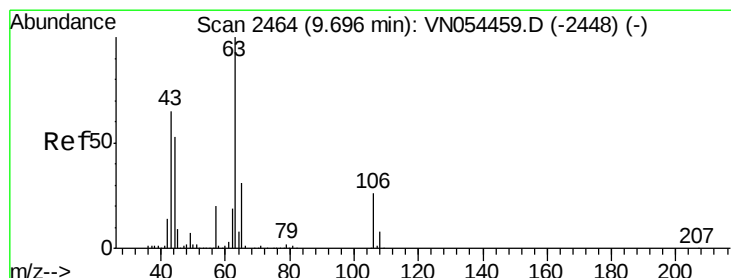
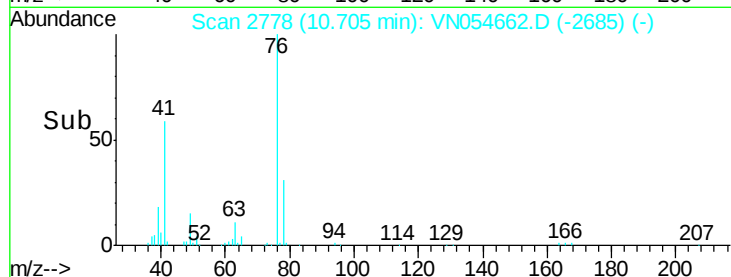
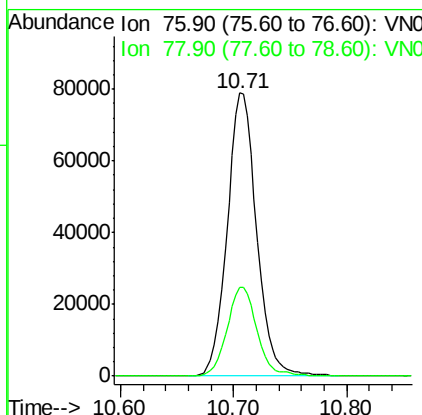
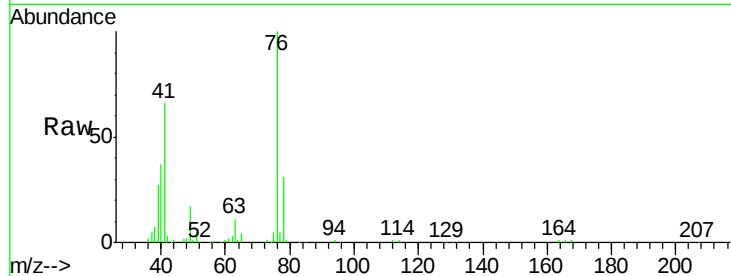




#57
 1,3-Dichloropropane
 Concen: 20.170 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

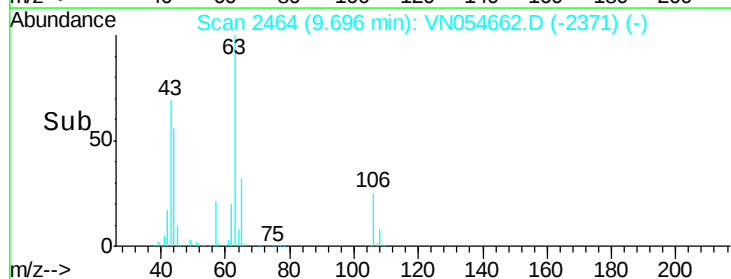
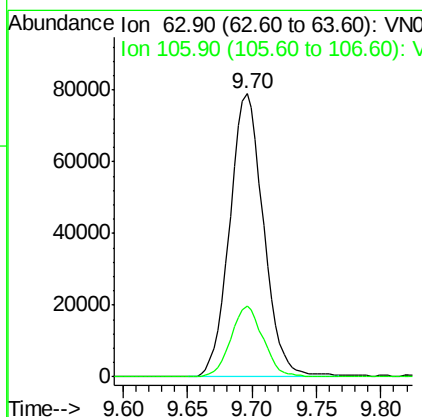
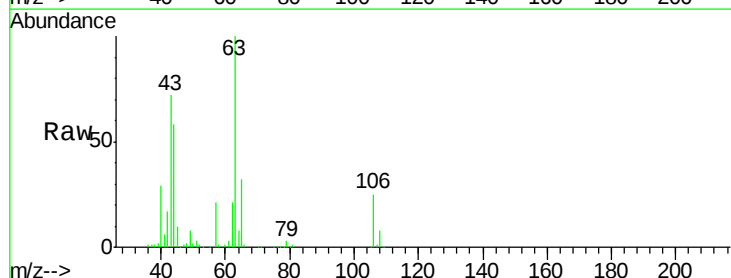
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

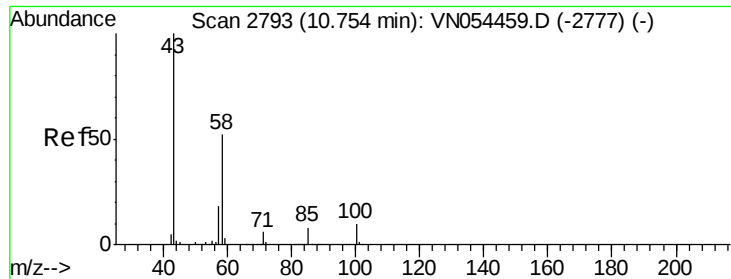
Tot Ion: 76 Resp: 142519
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 64.357 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 63 Resp: 144581
 Ion Ratio Lower Upper
 63 100
 106 23.7 24.4 36.6#

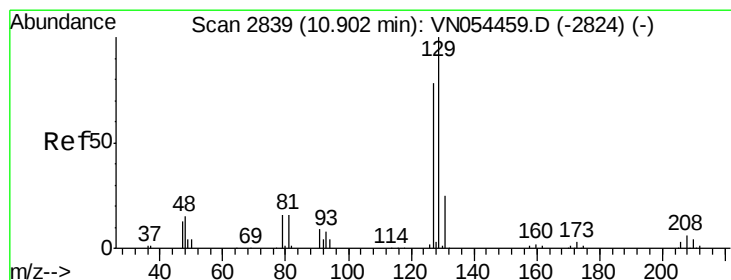
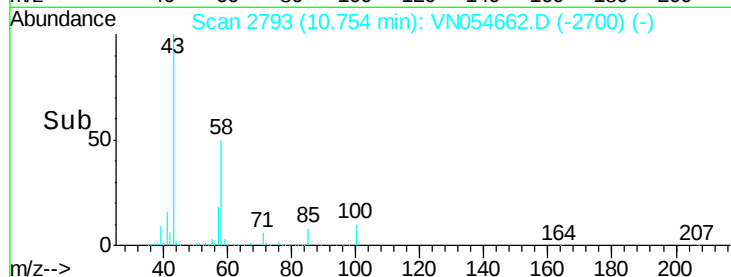
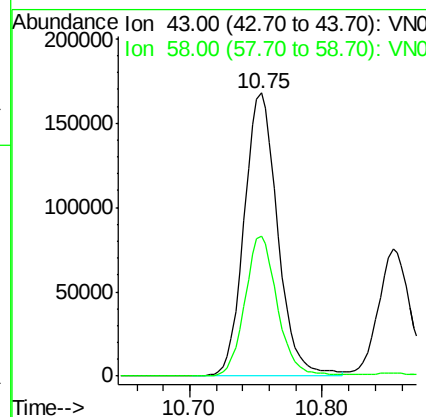
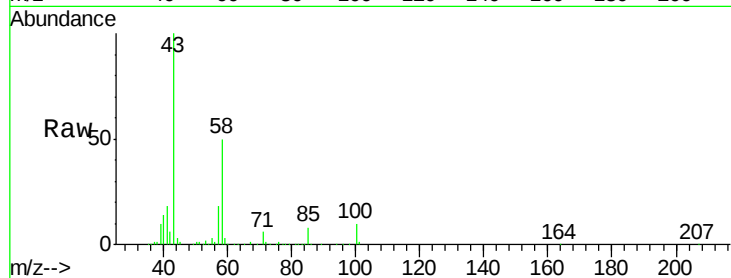




#59
2-Hexanone
Concen: 104.735 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

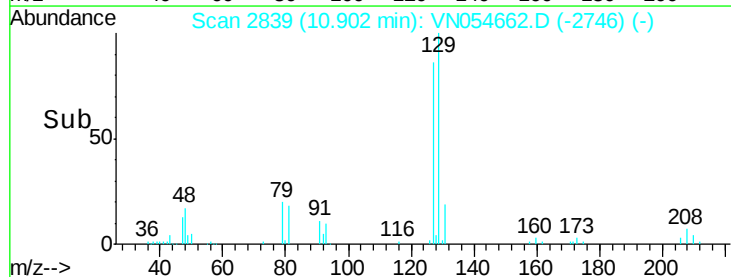
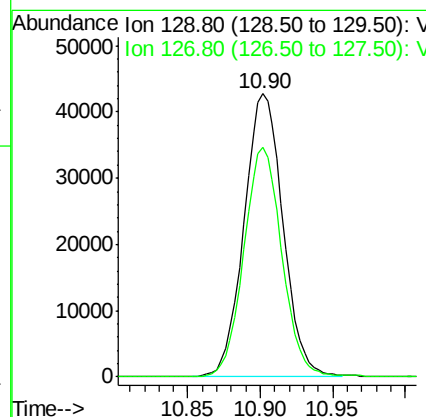
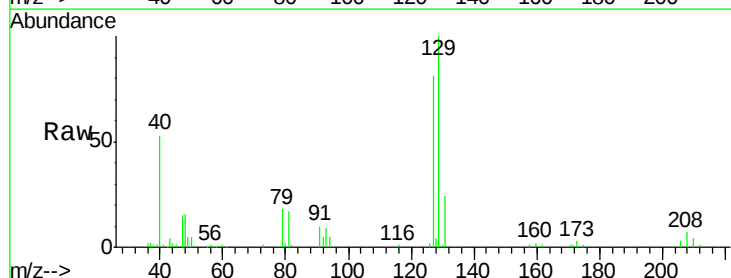
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

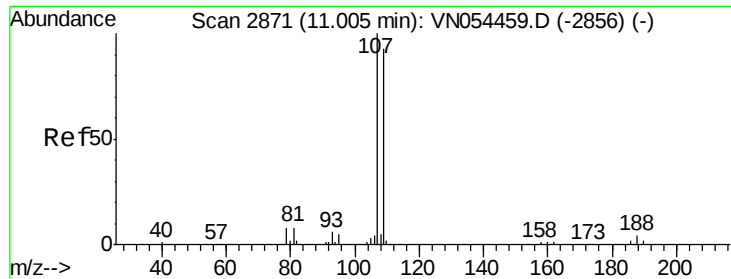
Tot Ion: 43 Resp: 292806
Ion Ratio Lower Upper
43 100
58 48.4 28.0 83.9



#60
Dibromochloromethane
Concen: 18.489 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 129 Resp: 79970
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.8

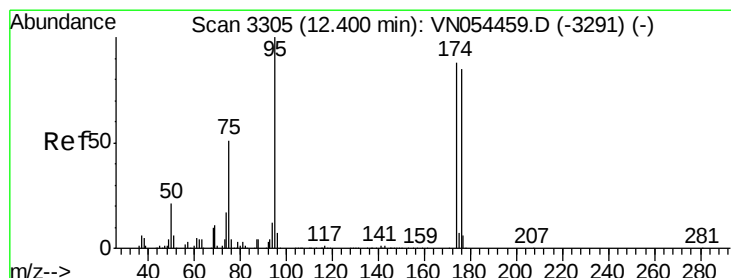
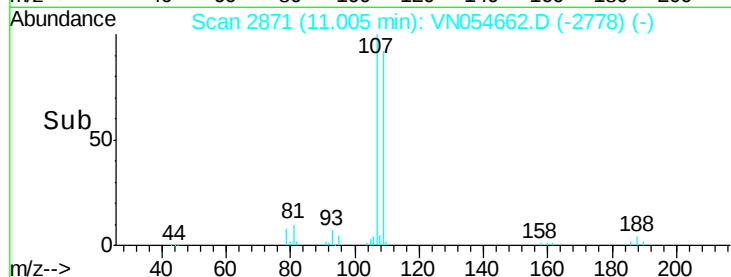
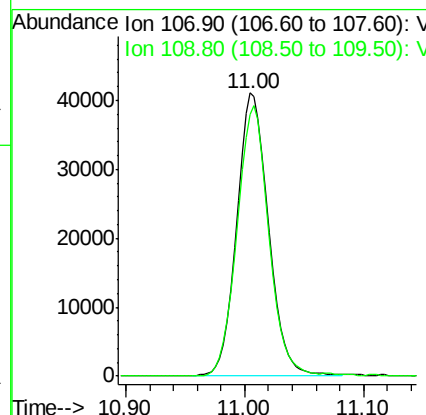
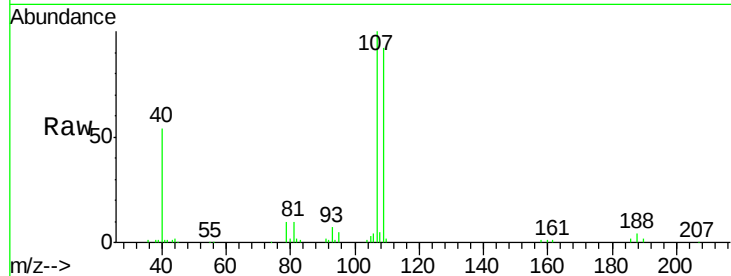




#61
 1,2-Dibromoethane
 Concen: 18.913 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

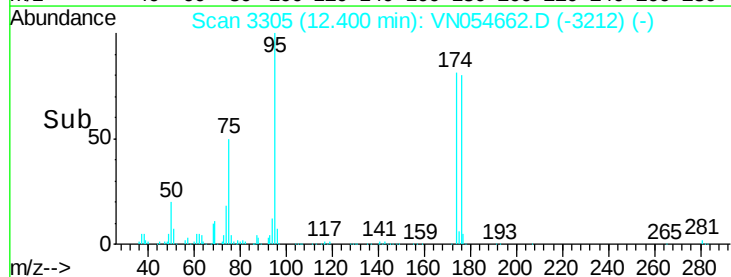
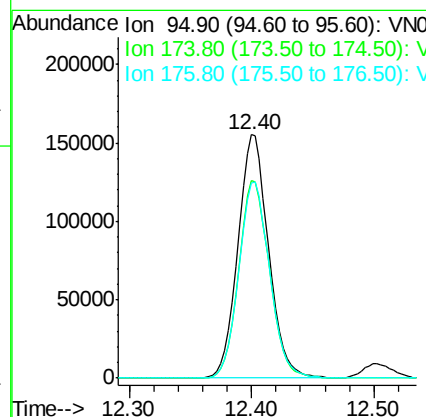
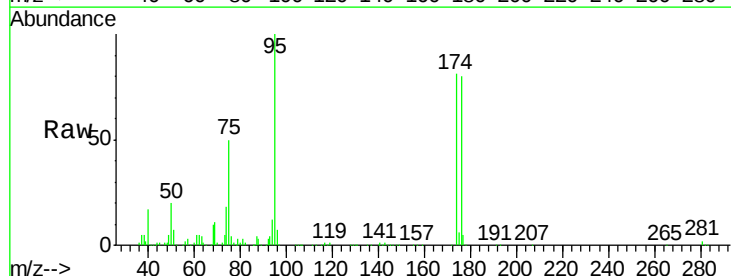
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

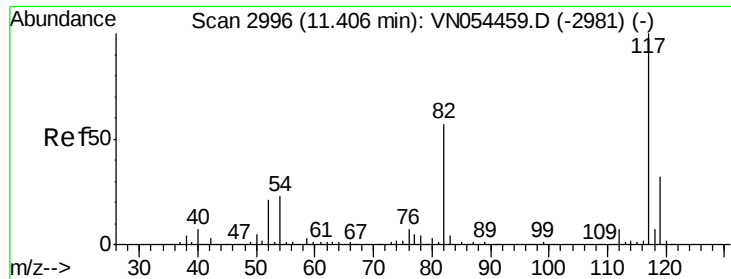
Tot Ion:107 Resp: 76001
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.618 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion: 95 Resp: 269861
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 191.0
 176 81.1 0.0 187.4

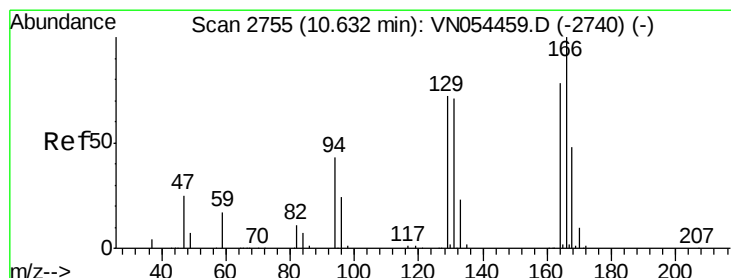
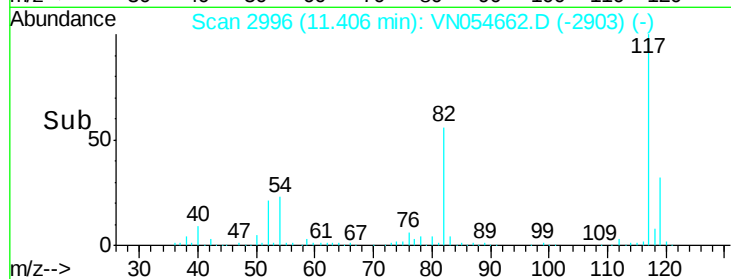
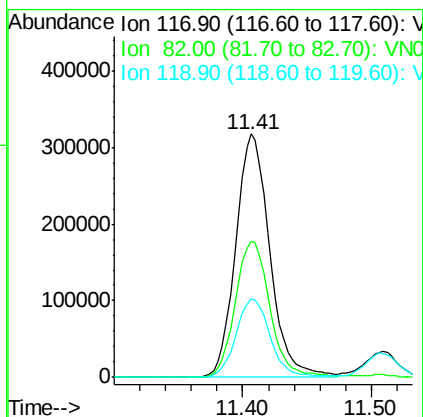
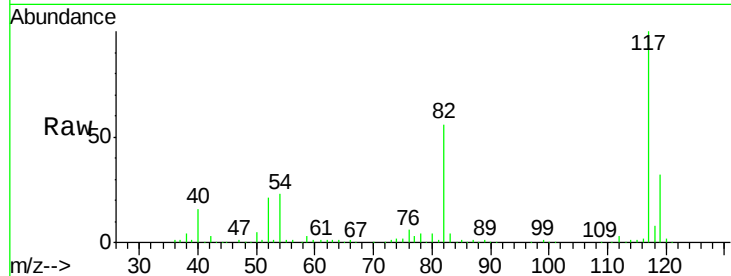




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

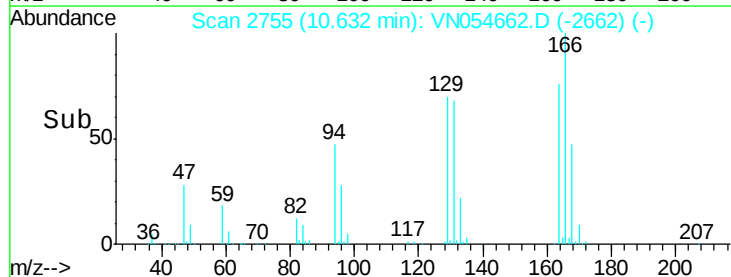
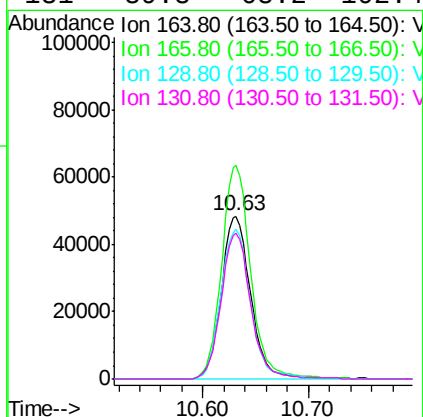
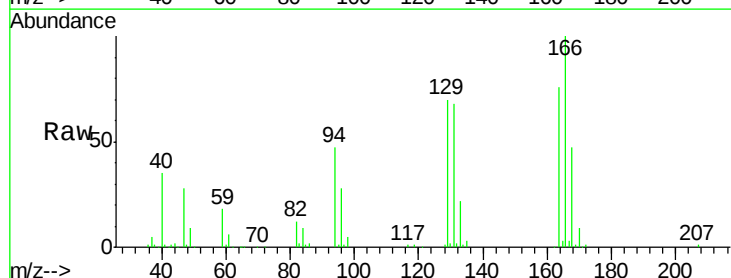
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

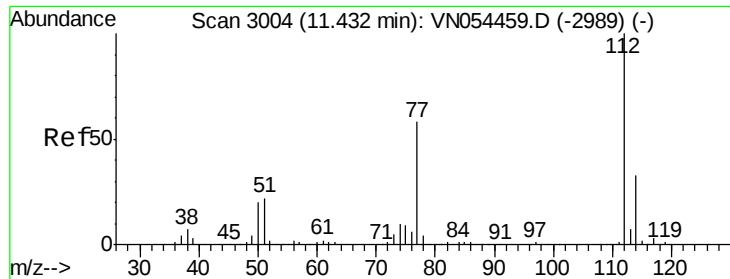
Tot Ion:117 Resp: 583639
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 19.275 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion:164 Resp: 93309
Ion Ratio Lower Upper
164 100
166 131.2 103.9 155.9
129 92.3 71.1 106.7
131 89.8 68.2 102.4

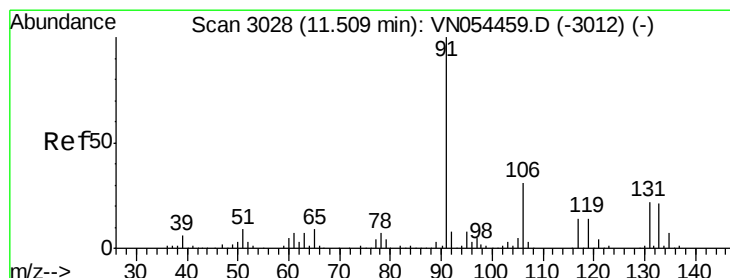
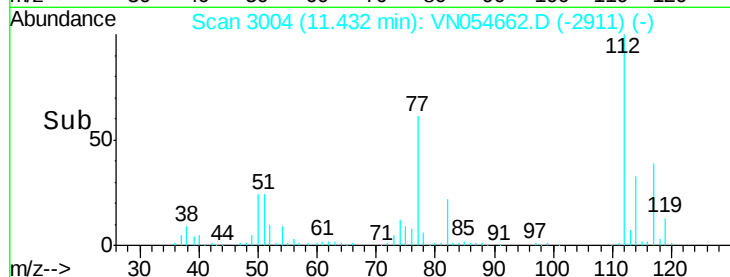
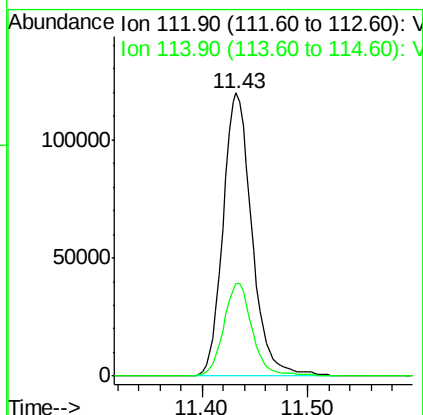
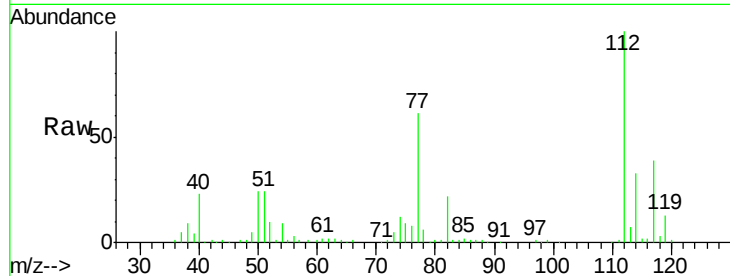




#65
Chlorobenzene
Concen: 19.125 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

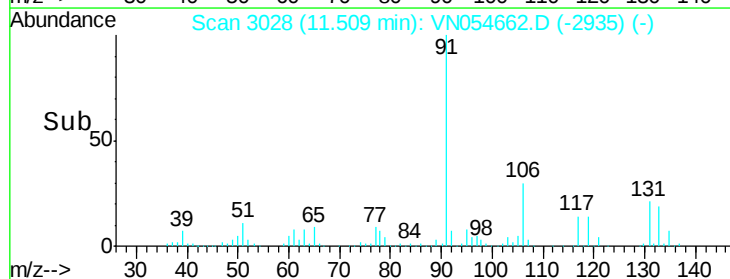
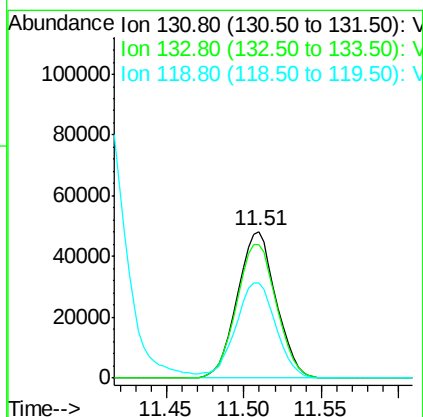
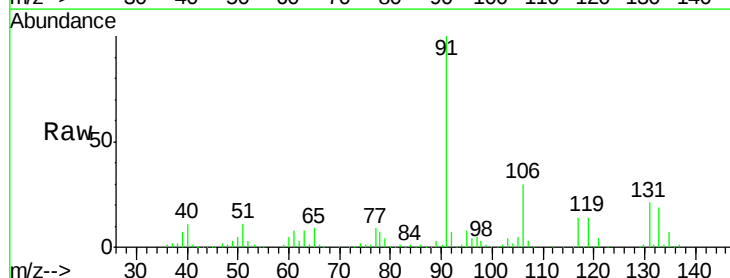
Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

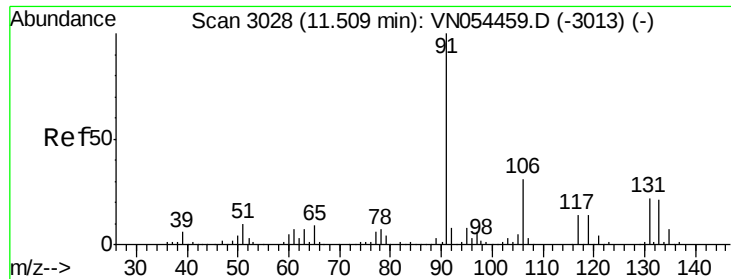
Tot Ion:112 Resp: 227026
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.635 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion:131 Resp: 83661
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 67.8 32.4 97.0

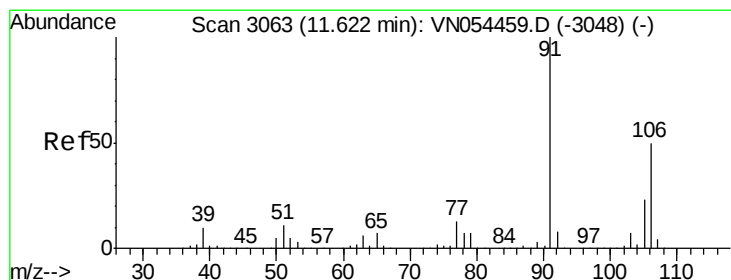
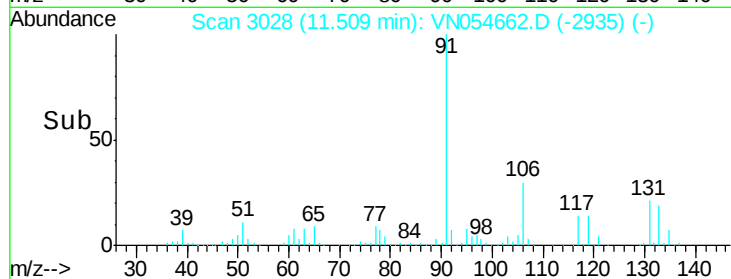
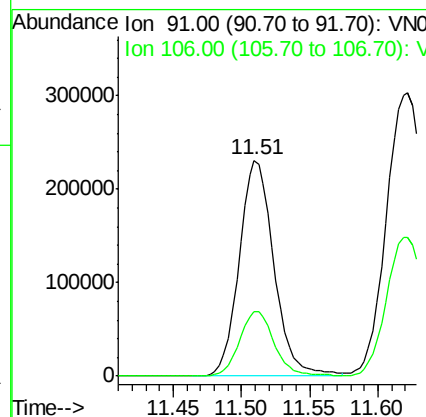
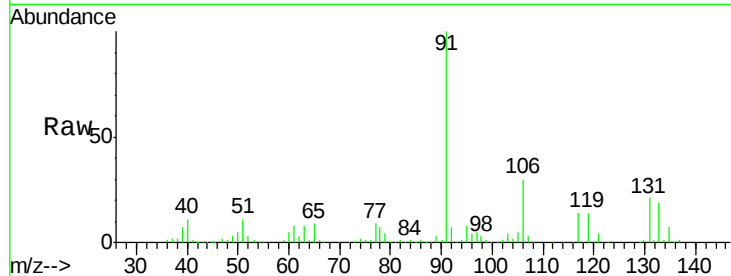




#67
Ethyl Benzene
Concen: 19.453 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

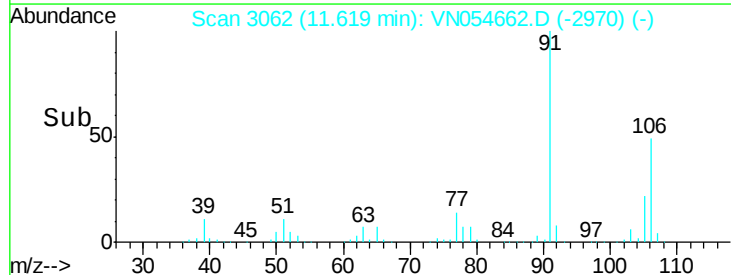
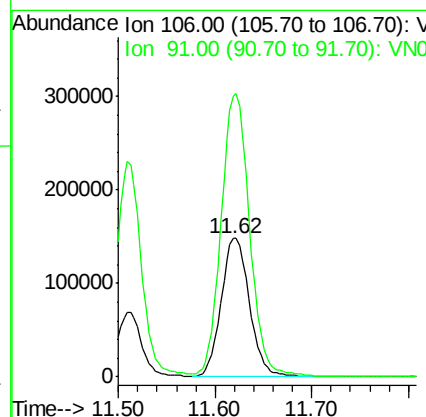
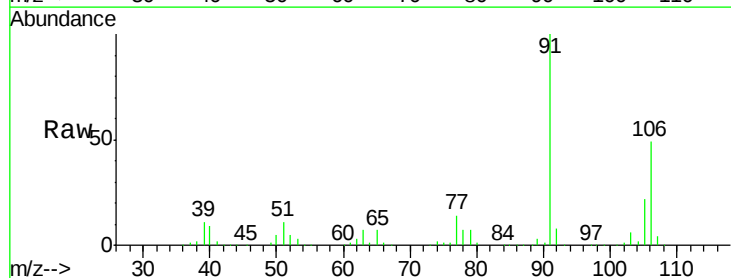
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

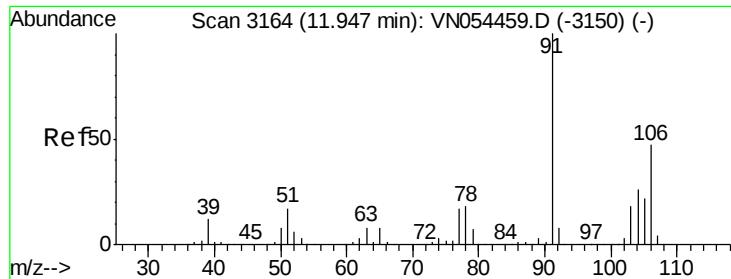
Tot Ion: 91 Resp: 407891
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3



#68
m/p-Xylenes
Concen: 38.149 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 106 Resp: 302991
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2

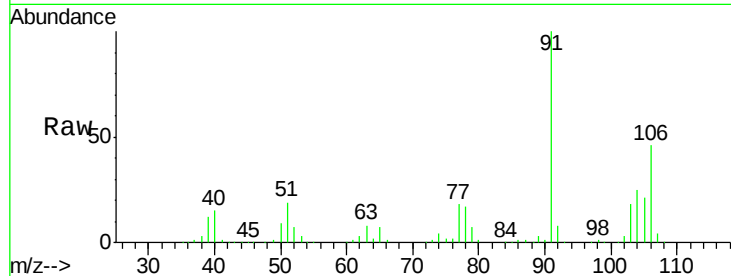




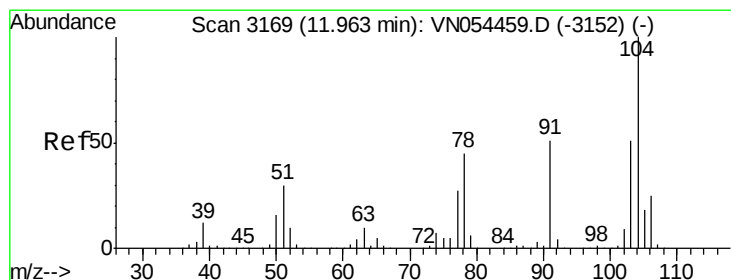
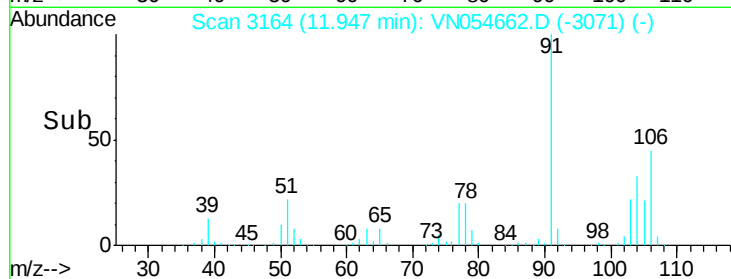
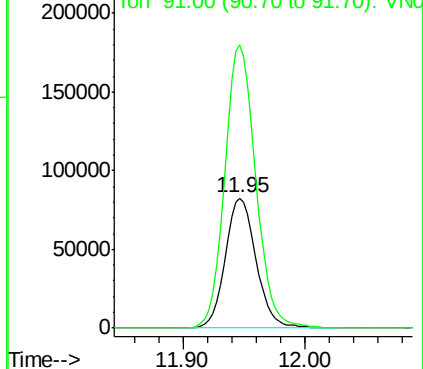
#69
o-Xylene
Concen: 18.869 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion:106 Resp: 146359
Ion Ratio Lower Upper
106 100
91 218.5 105.7 317.1

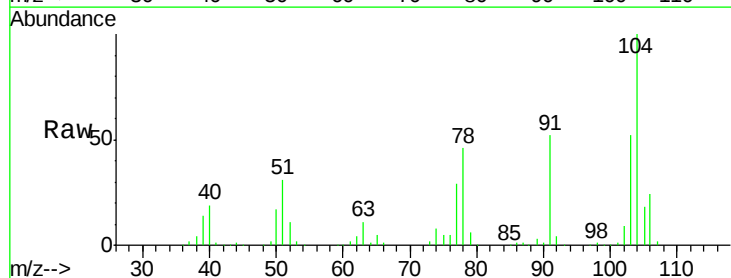


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

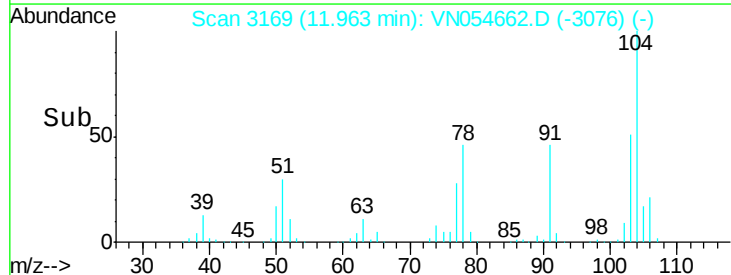
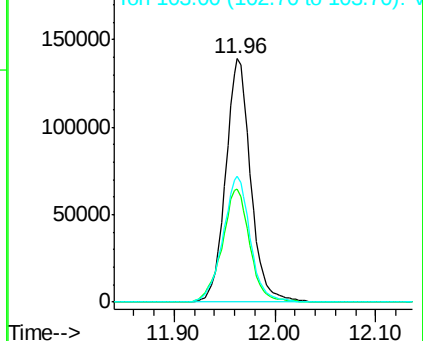


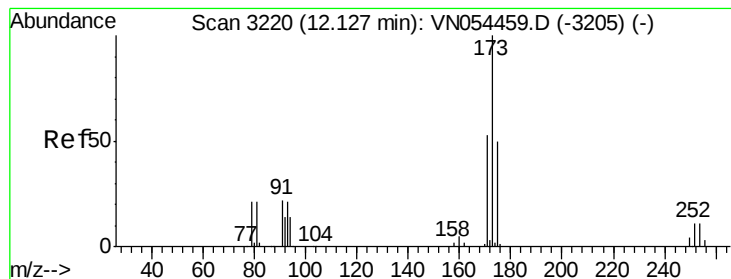
#70
Styrene
Concen: 19.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion:104 Resp: 240099
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 56.5 44.4 66.6



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





#71

Bromoform

Concen: 17.319 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

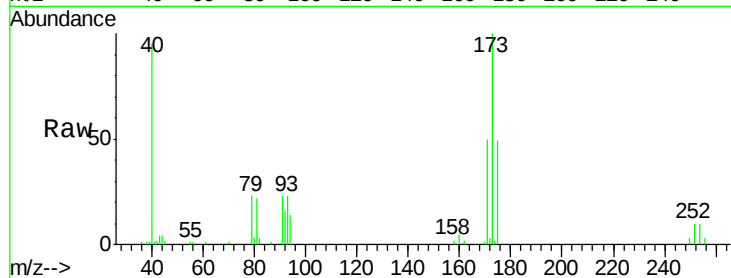
Tot Ion:173 Resp: 46412

Ion Ratio Lower Upper

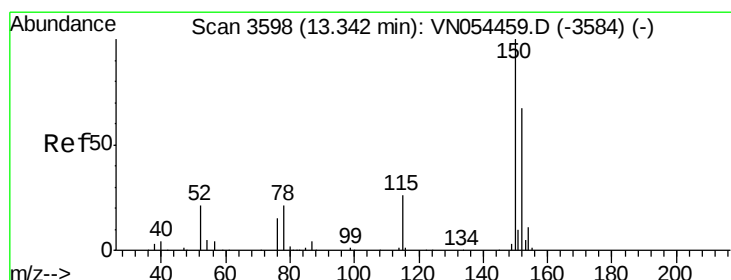
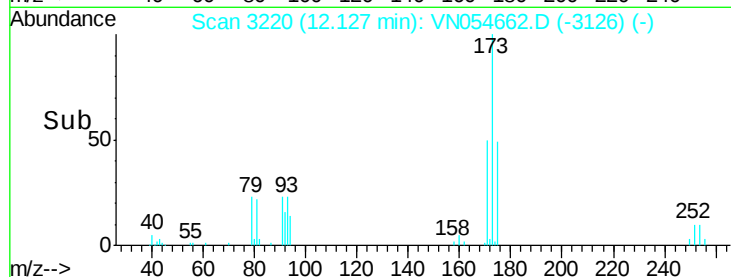
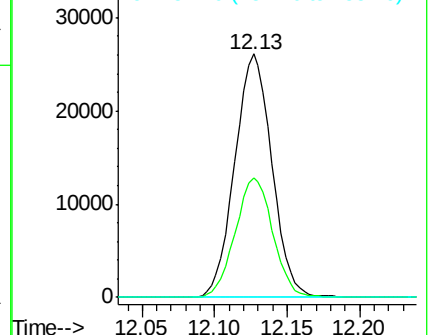
173 100

175 49.6 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: VN054662.D

Acq: 25 Mar 2019 10:36

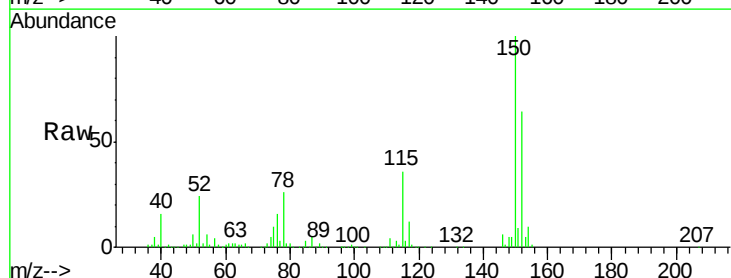
Tgt Ion:152 Resp: 245650

Ion Ratio Lower Upper

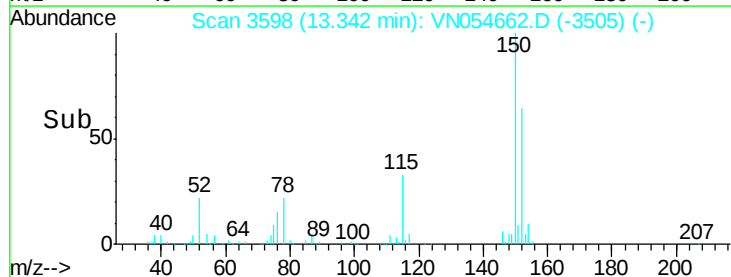
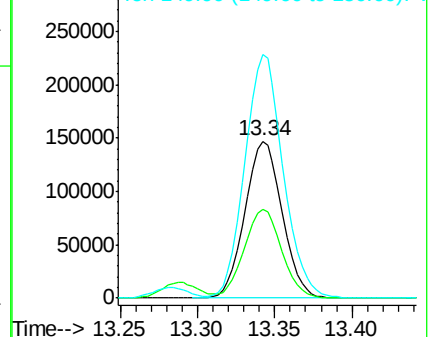
152 100

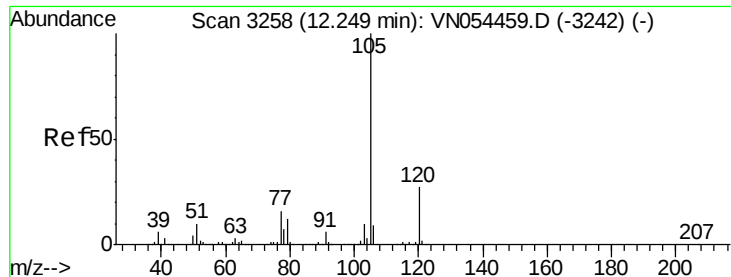
115 57.1 27.2 81.6

150 160.5 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: 19.668 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

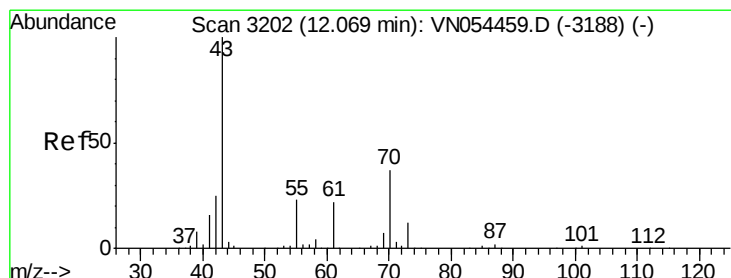
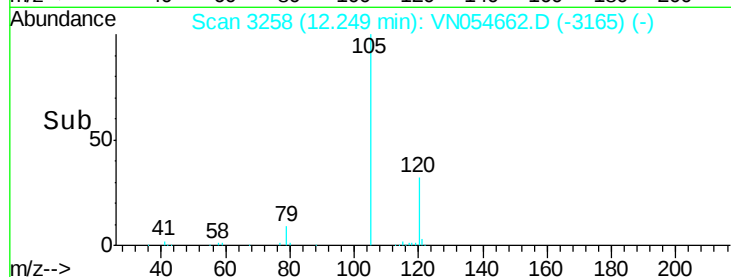
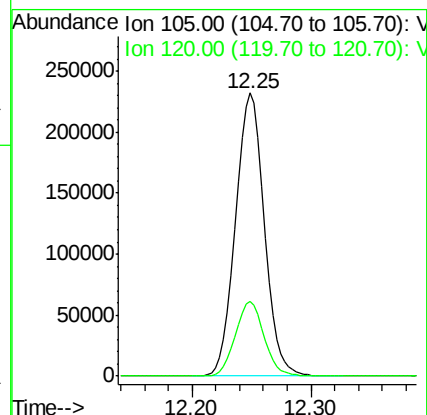
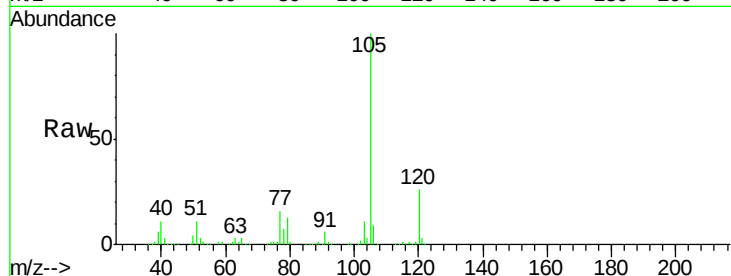
VN0325WBS01

Tot Ion:105 Resp: 389327

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



#74

N-ethyl acetate

Concen: 20.482 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Tgt Ion: 43 Resp: 116581

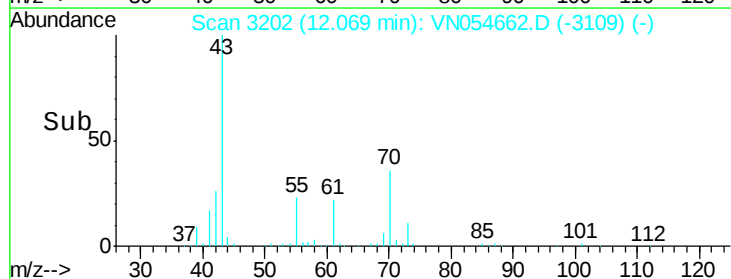
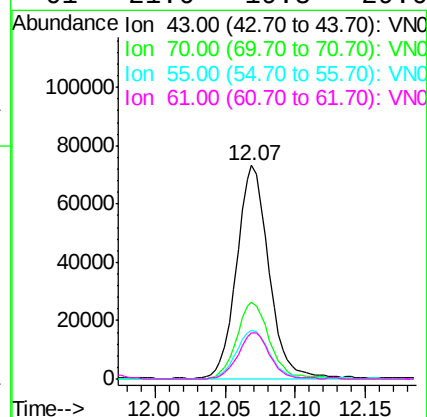
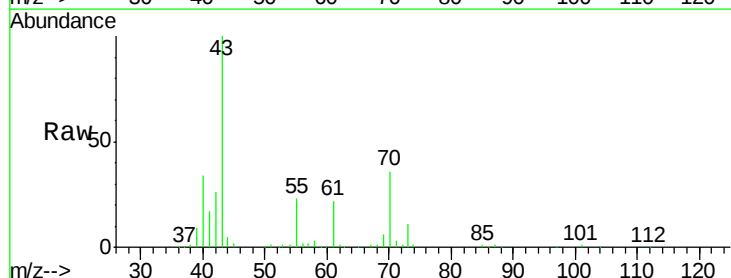
Ion Ratio Lower Upper

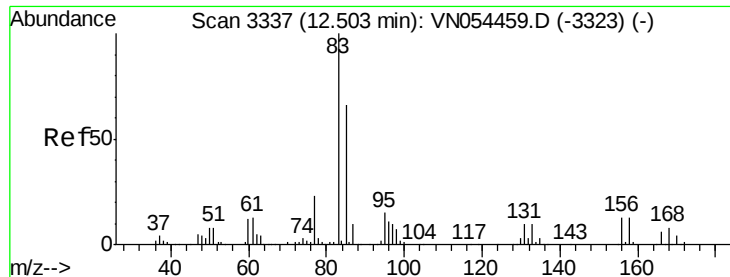
43 100

70 36.7 35.4 53.0

55 23.8 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.004 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

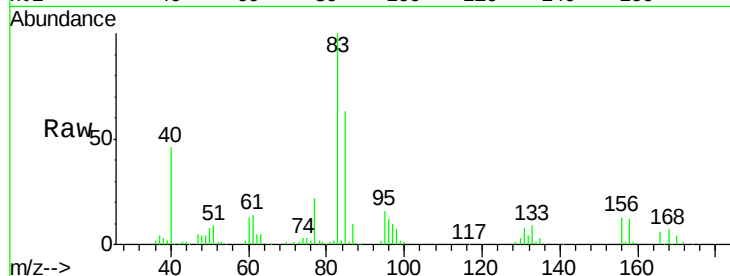
Tot Ion: 83 Resp: 94911

Ion Ratio Lower Upper

83 100

131 9.6 5.8 17.4

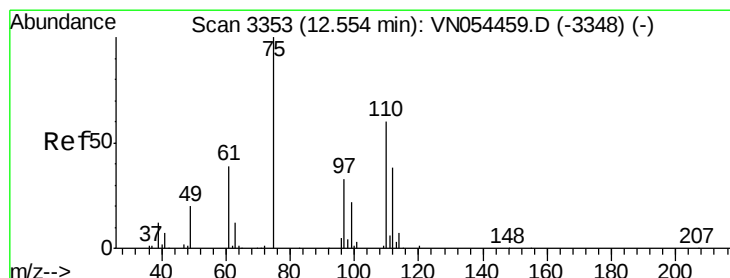
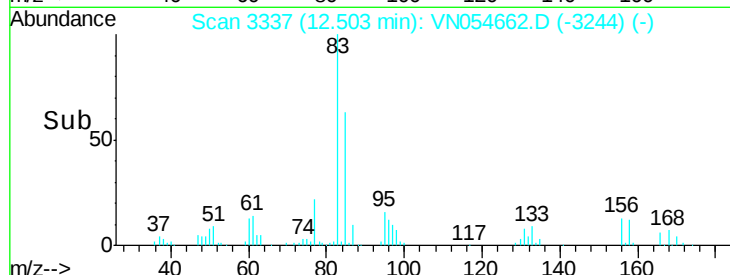
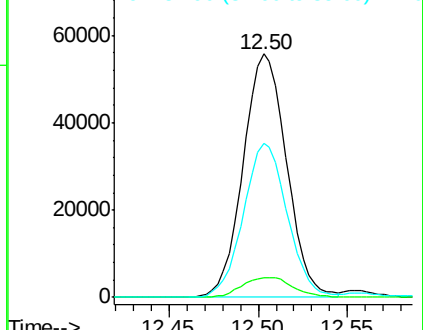
85 63.6 32.2 96.6



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: 29.220 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054662.D

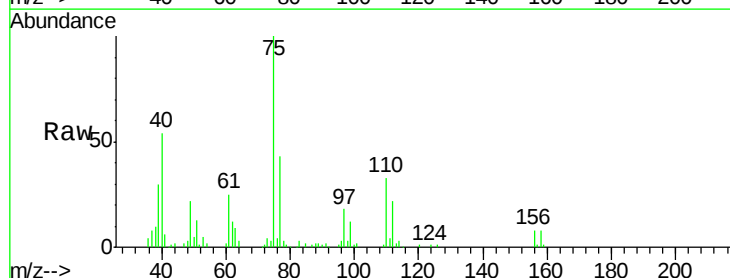
Acq: 25 Mar 2019 10:36

Tgt Ion: 75 Resp: 113901

Ion Ratio Lower Upper

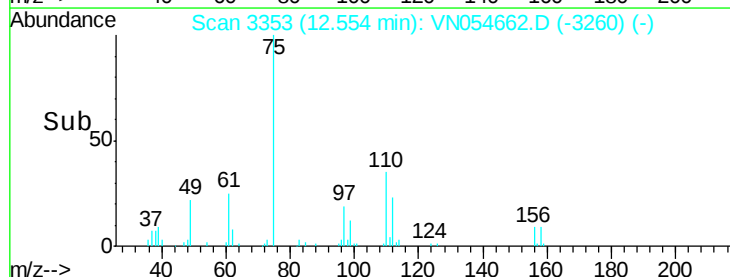
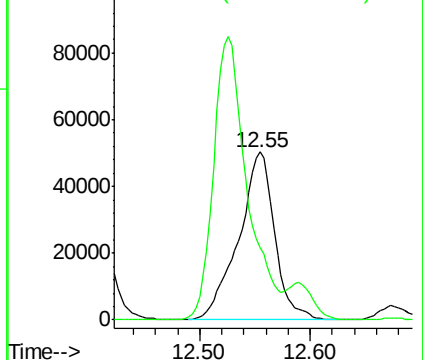
75 100

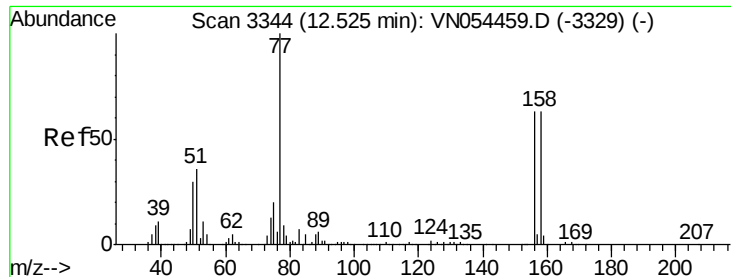
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.226 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

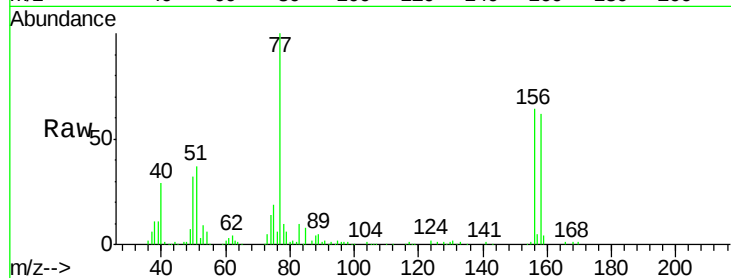
Tot Ion:156 Resp: 94389

Ion Ratio Lower Upper

156 100

77 189.5 81.5 244.4

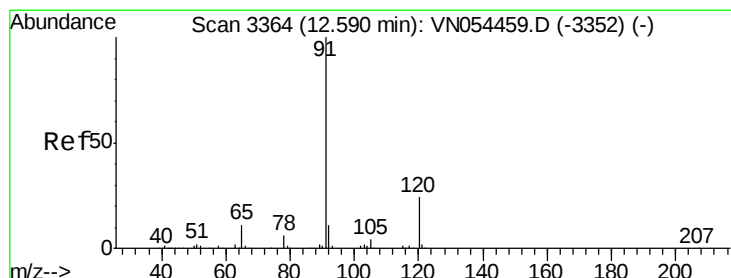
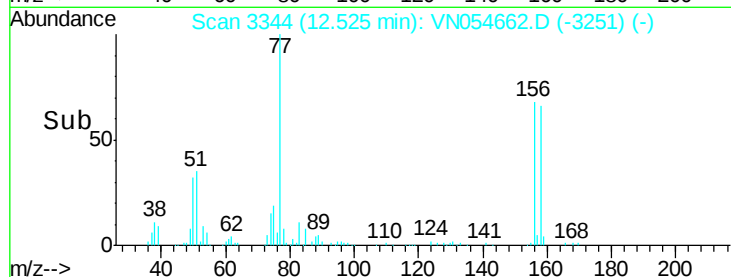
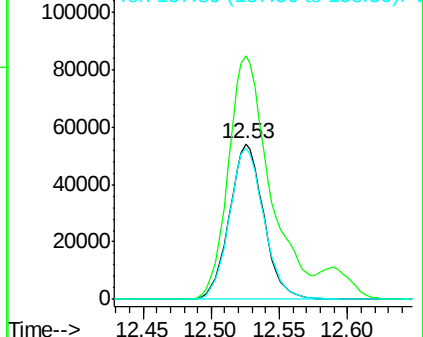
158 98.5 49.0 147.2



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: 19.776 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054662.D

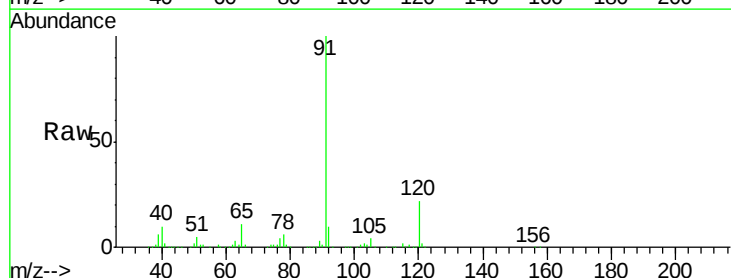
Acq: 25 Mar 2019 10:36

Tgt Ion: 91 Resp: 424486

Ion Ratio Lower Upper

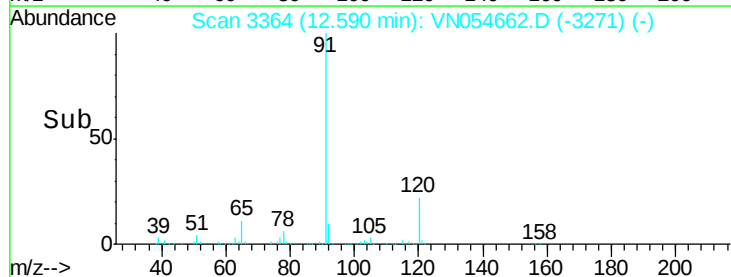
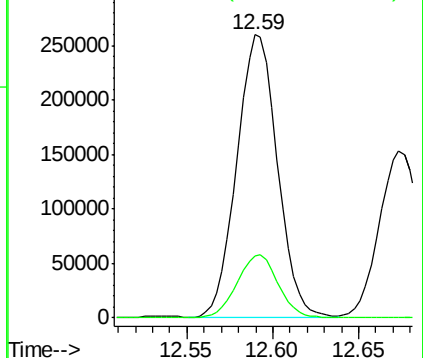
91 100

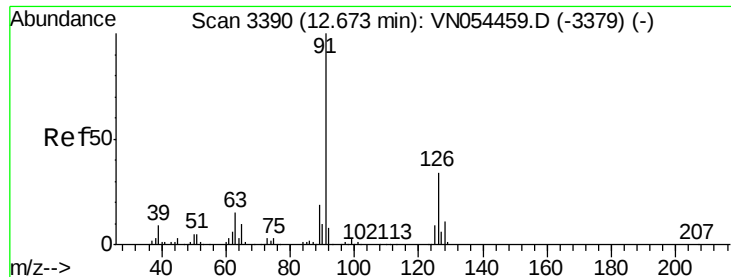
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.351 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

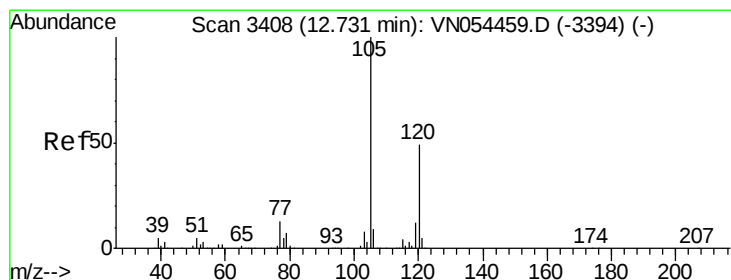
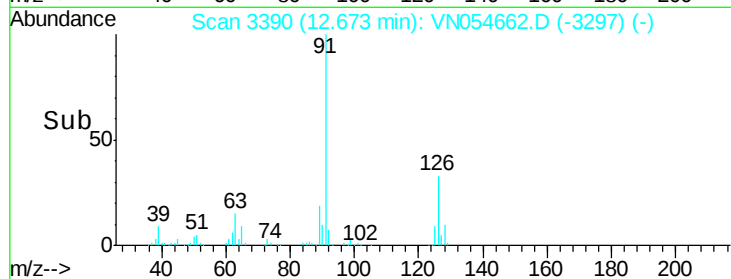
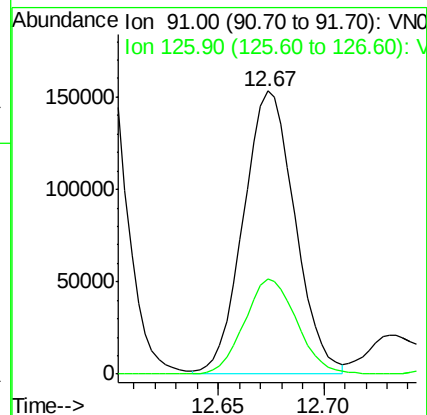
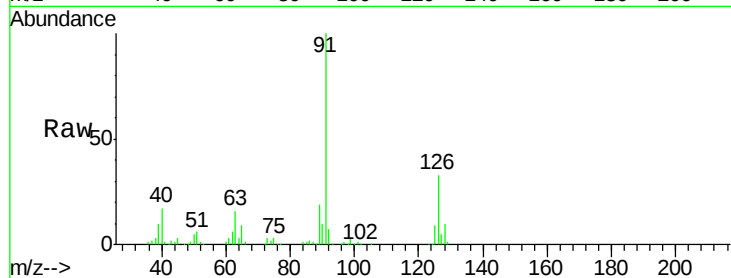
VN0325WBS01

Tot Ion: 91 Resp: 259025

Ion Ratio Lower Upper

91 100

126 34.4 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.339 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054662.D

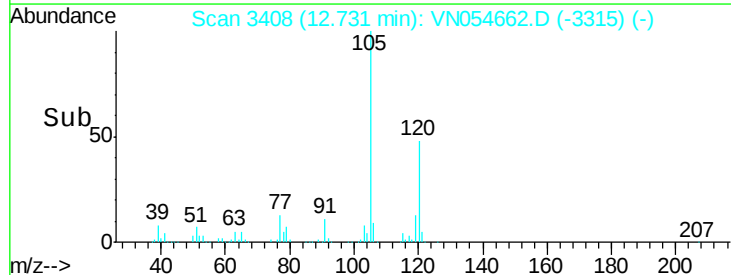
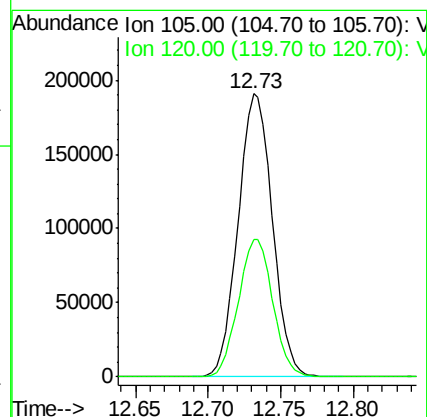
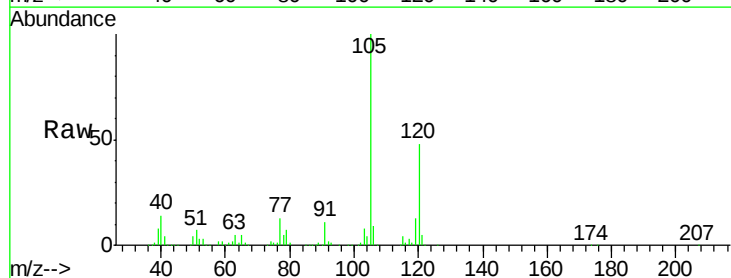
Acq: 25 Mar 2019 10:36

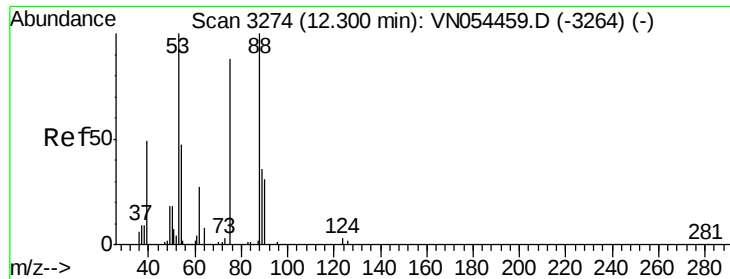
Tgt Ion: 105 Resp: 313748

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.716 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

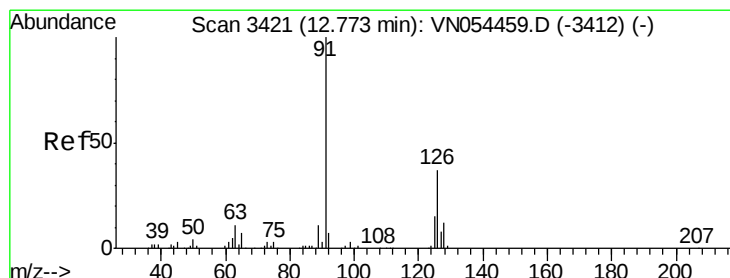
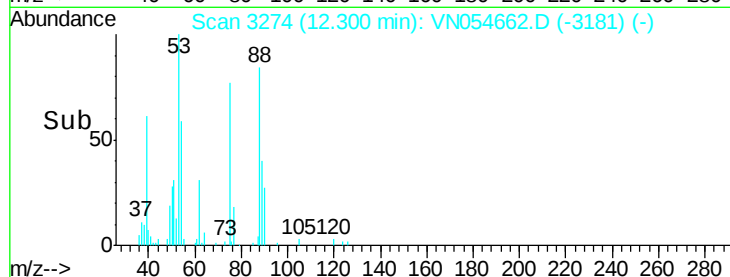
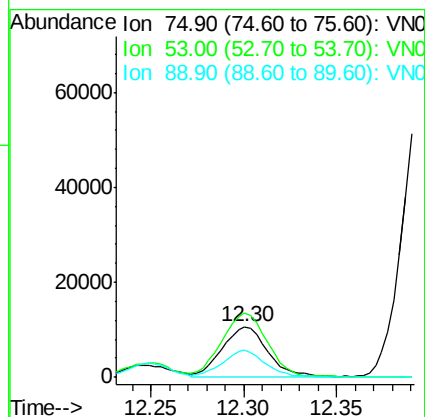
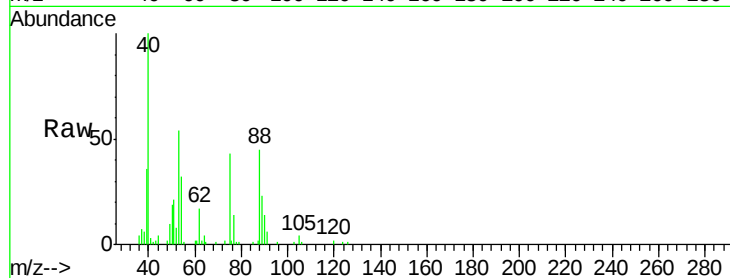
Tot Ion: 75 Resp: 17560

Ion Ratio Lower Upper

75 100

53 133.3 76.2 114.2#

89 52.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.381 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054662.D

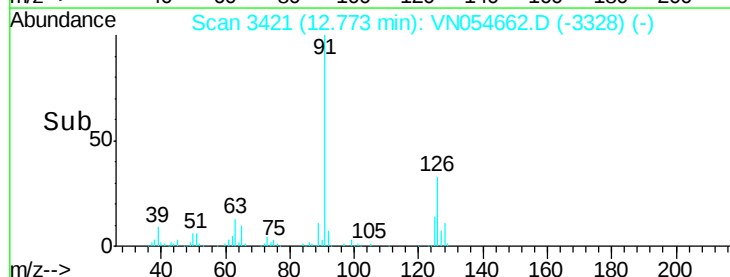
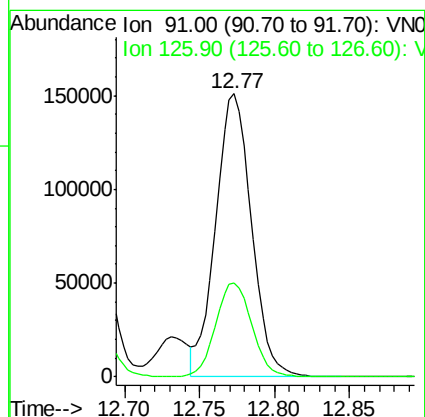
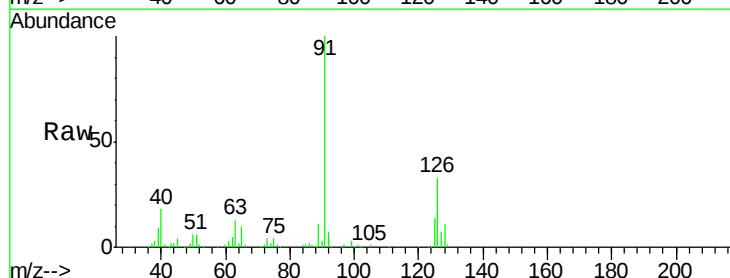
Acq: 25 Mar 2019 10:36

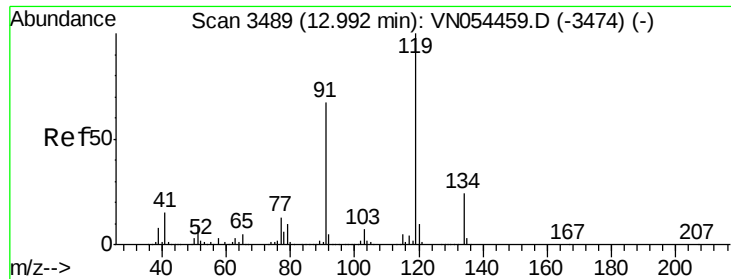
Tgt Ion: 91 Resp: 251456

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





#83

tert-Butylbenzene

Concen: 19.080 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

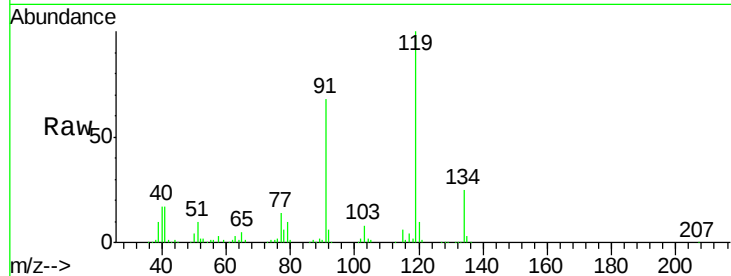
Tot Ion:119 Resp: 269449

Ion Ratio Lower Upper

119 100

91 66.8 30.9 92.8

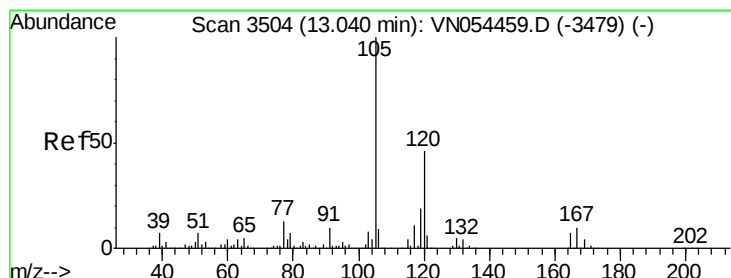
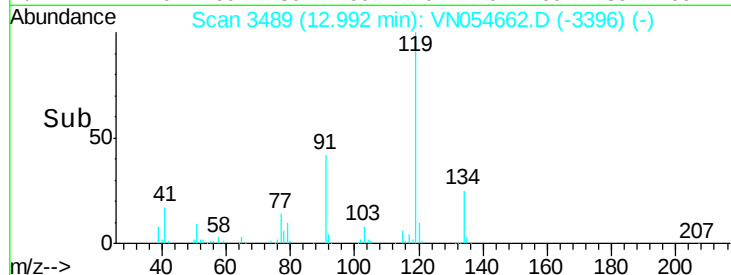
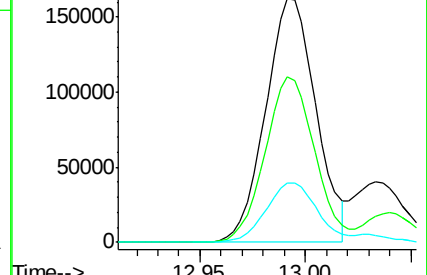
134 24.8 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.241 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054662.D

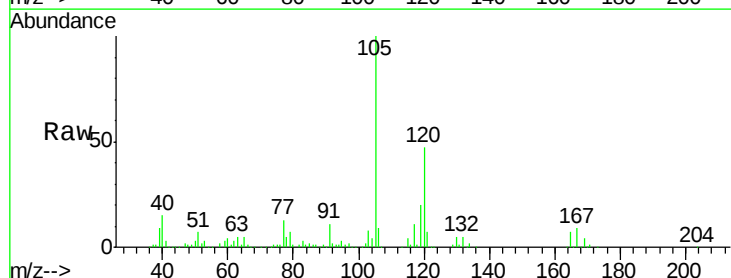
Acq: 25 Mar 2019 10:36

Tgt Ion:105 Resp: 306293

Ion Ratio Lower Upper

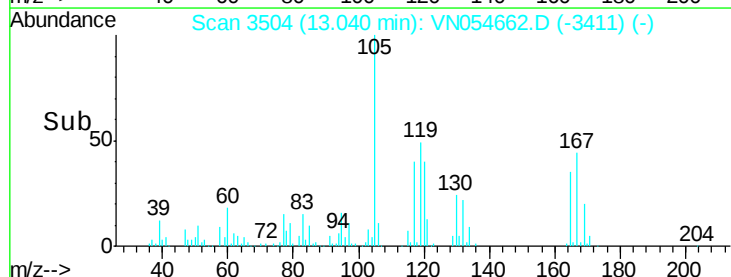
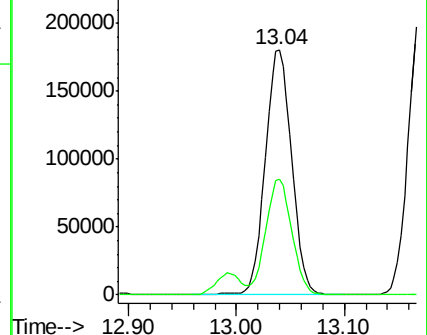
105 100

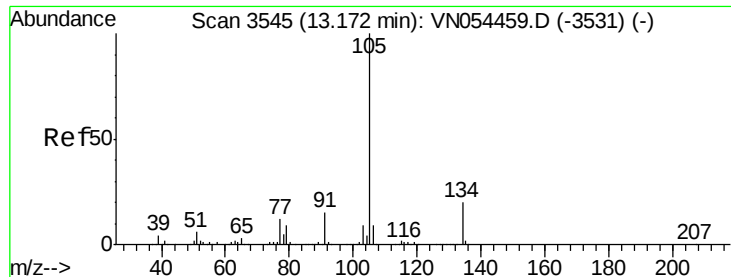
120 46.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.904 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

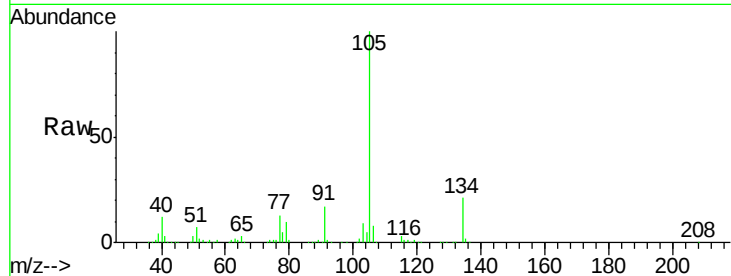
VN0325WBS01

Tot Ion:105 Resp: 350399

Ion Ratio Lower Upper

105 100

134 20.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

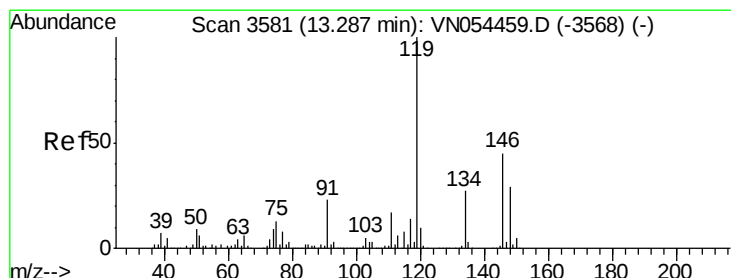
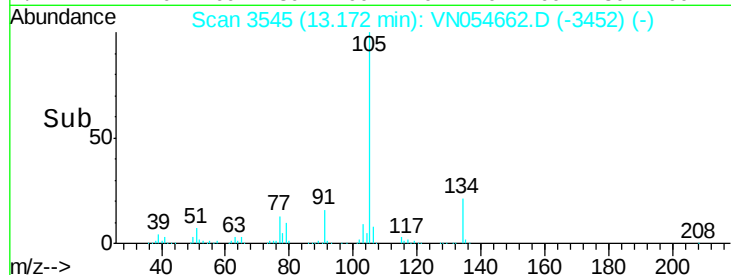
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.564 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

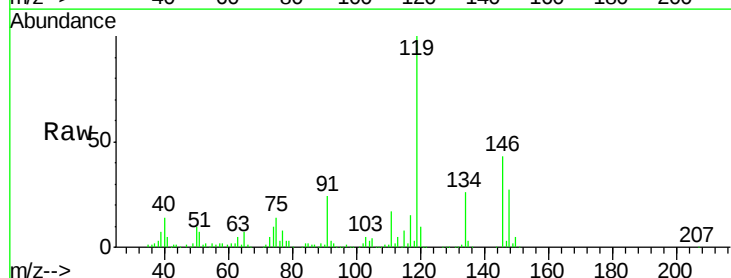
Tgt Ion:119 Resp: 308129

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

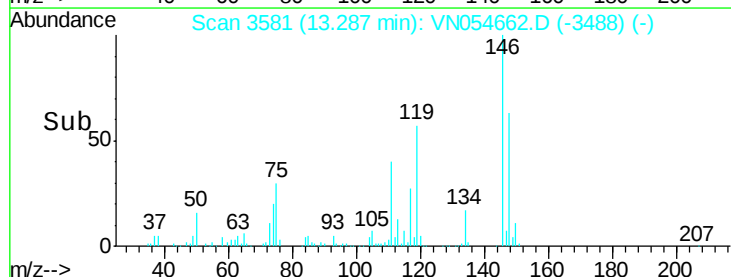
100000

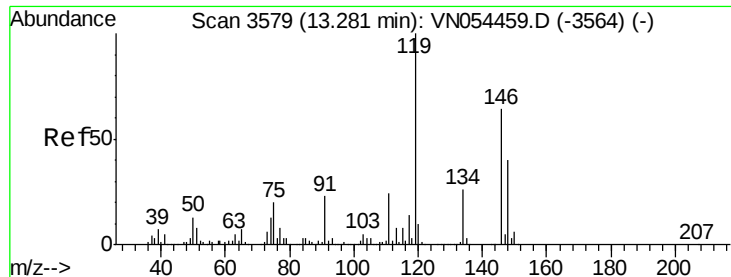
50000

0

13.20 13.25 13.30 13.35

Time-->

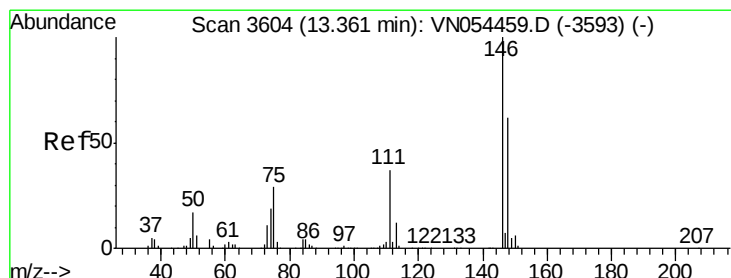
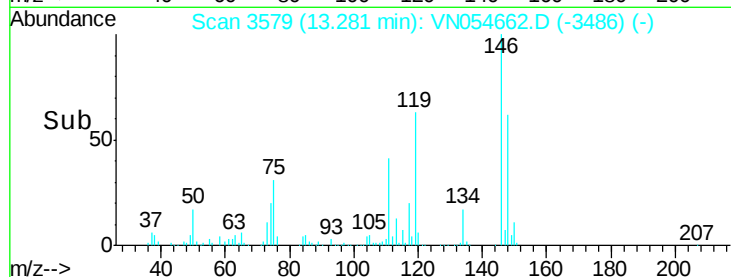
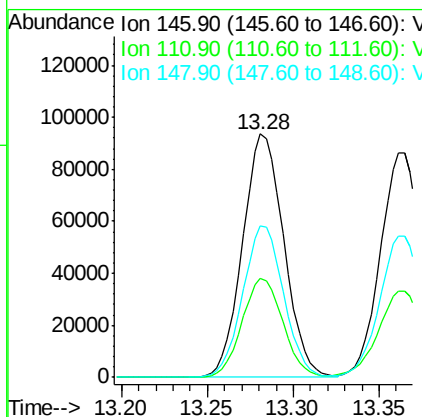
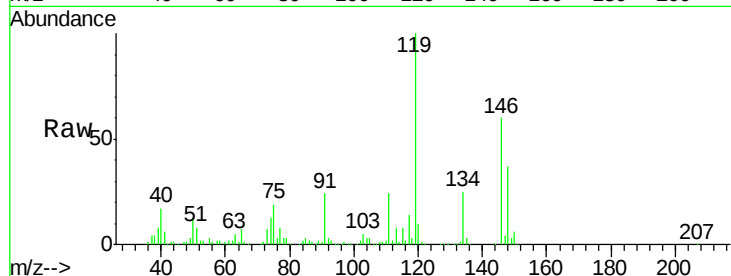




#87
 1,3-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

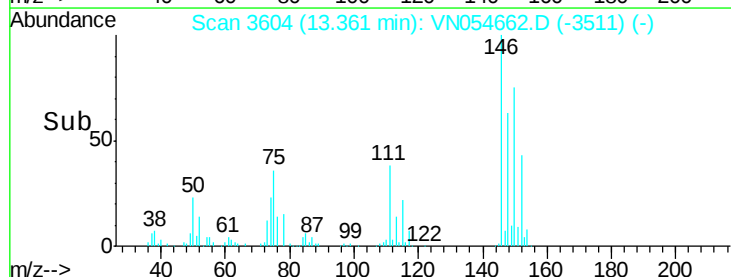
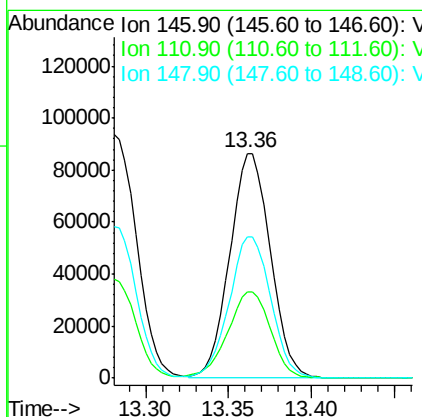
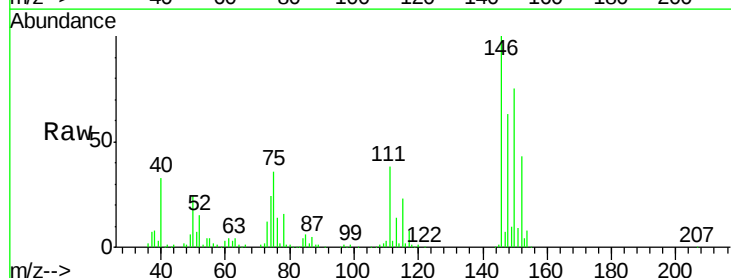
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

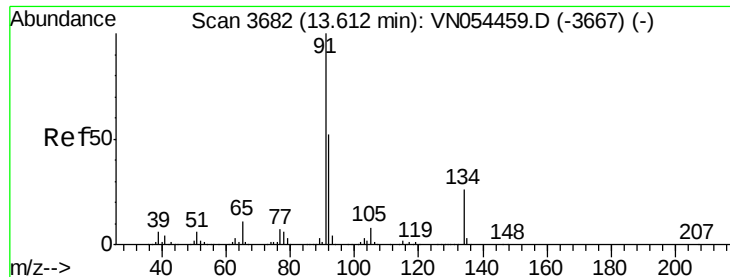
Tot Ion:146 Resp: 156041
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.8 56.3
 148 61.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.638 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion:146 Resp: 147536
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.1 54.1
 148 64.6 32.0 96.0

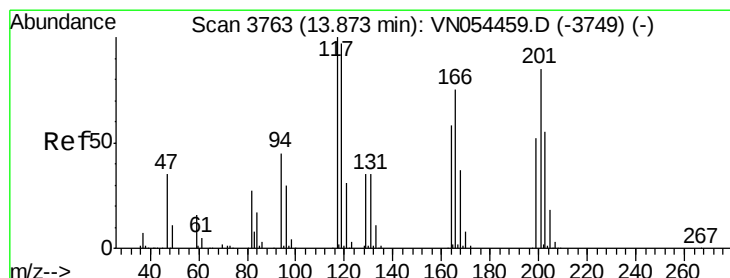
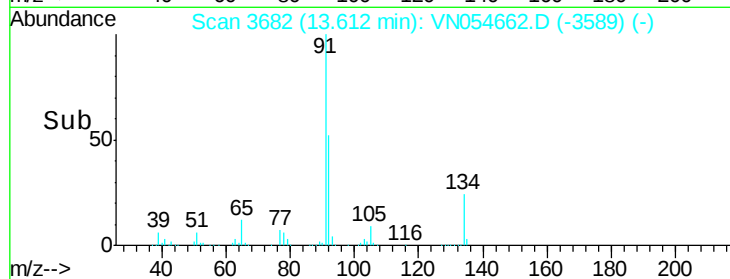
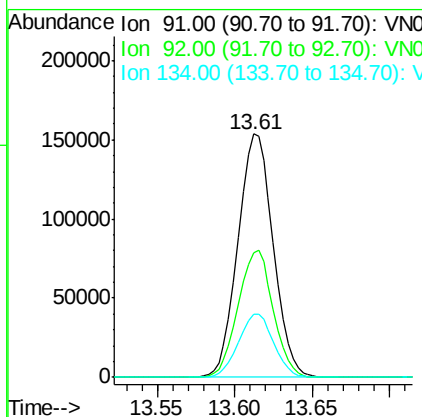
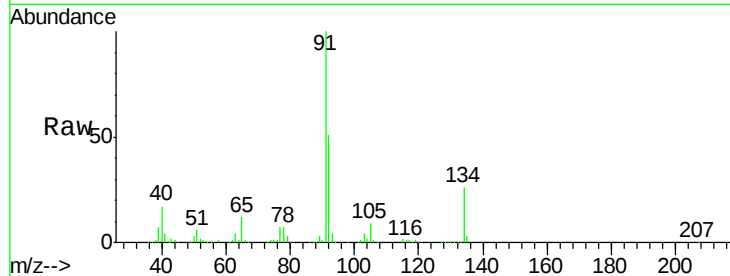




#89
n-Butylbenzene
Concen: 19.814 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

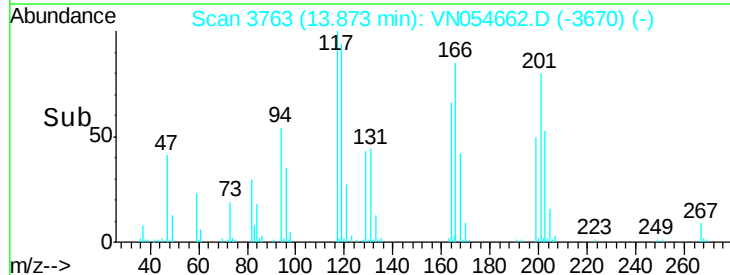
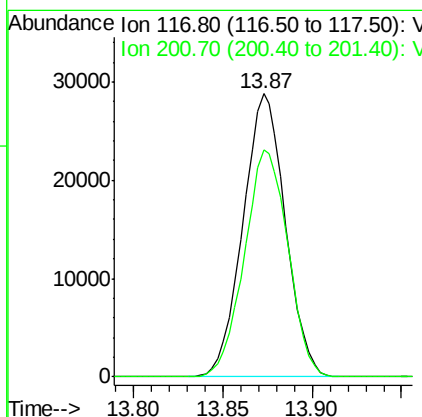
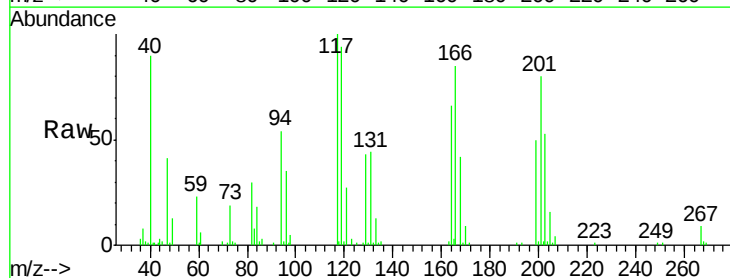
Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

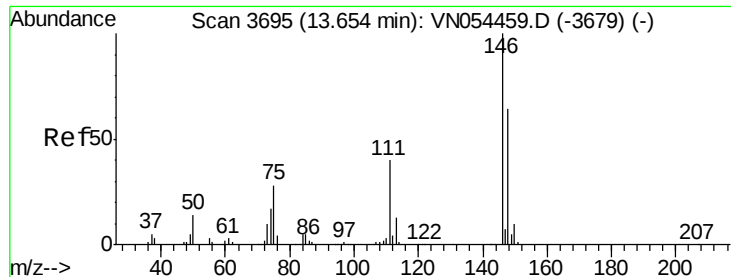
Tot Ion: 91 Resp: 244008
Ion Ratio Lower Upper
91 100
92 51.7 26.2 78.6
134 25.7 14.3 42.9



#90
Hexachloroethane
Concen: 19.560 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054662.D
Acq: 25 Mar 2019 10:36

Tgt Ion: 117 Resp: 47818
Ion Ratio Lower Upper
117 100
201 82.3 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 19.185 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

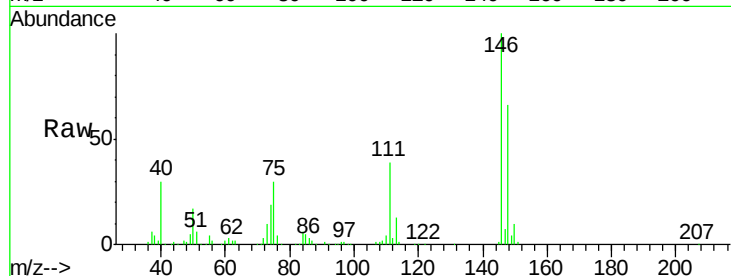
Tot Ion:146 Resp: 151183

Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.3

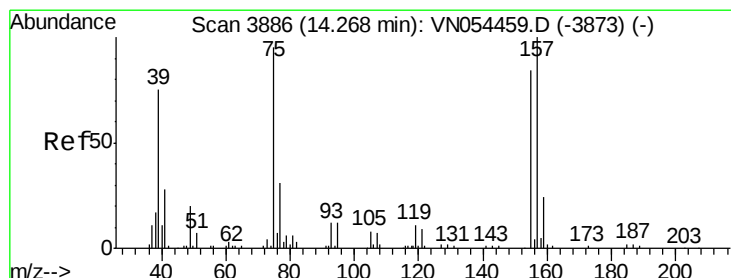
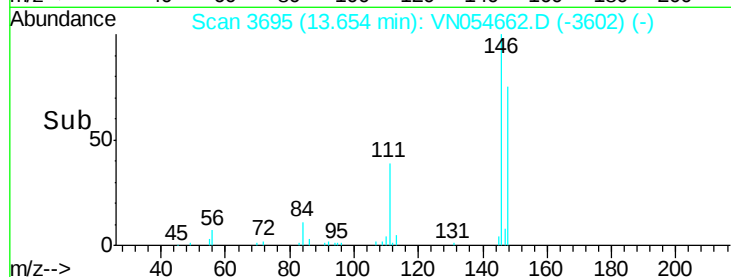
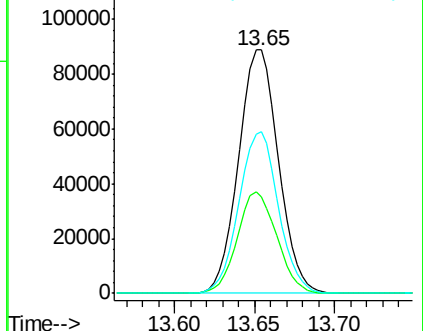
148 65.6 32.4 97.0



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: 20.595 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

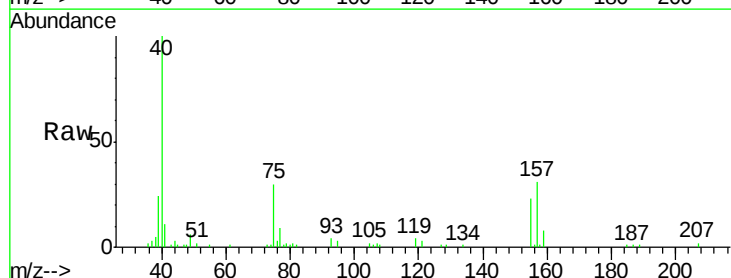
Tgt Ion: 75 Resp: 13650

Ion Ratio Lower Upper

75 100

155 77.8 50.1 150.3

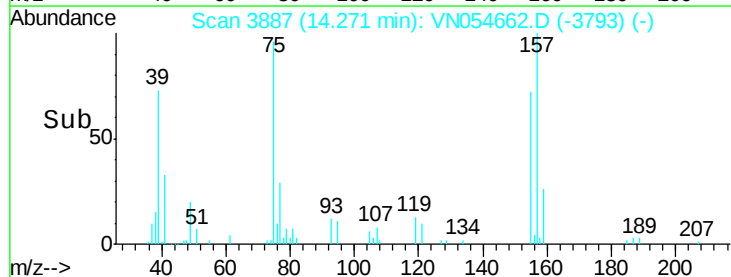
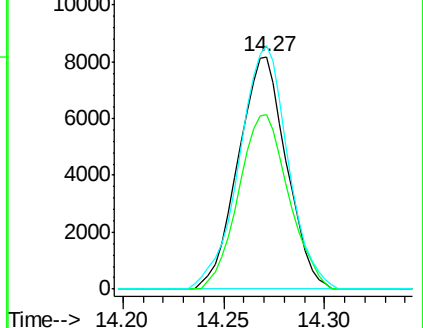
157 106.1 63.1 189.3

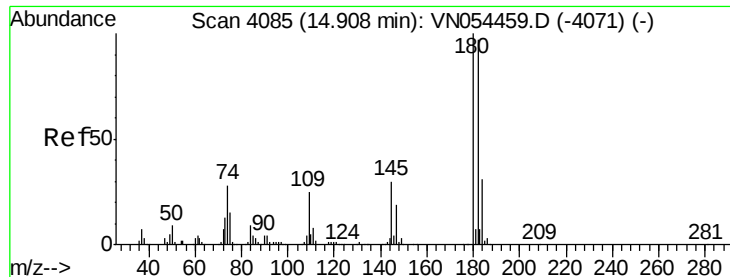


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

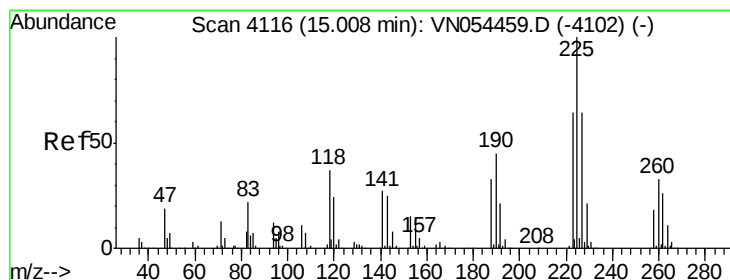
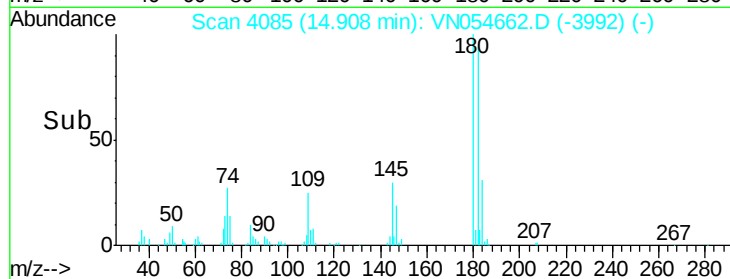
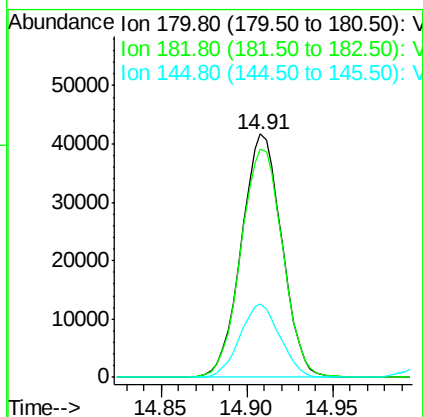
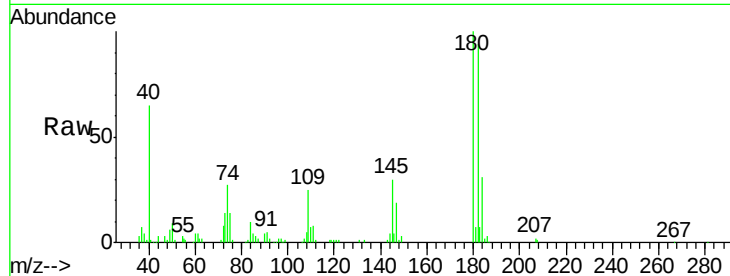




#93
 1,2,4-Trichlorobenzene
 Concen: 17.345 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

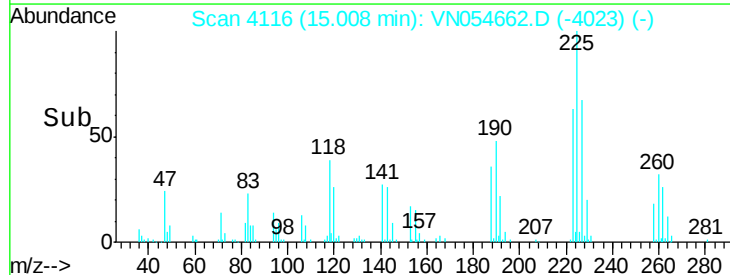
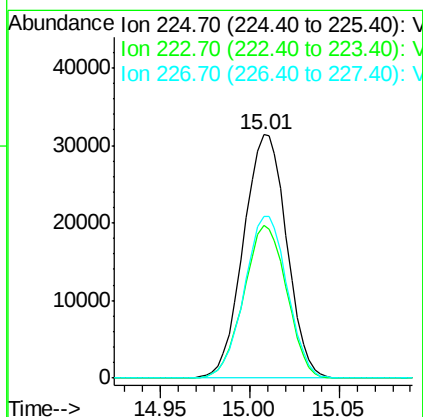
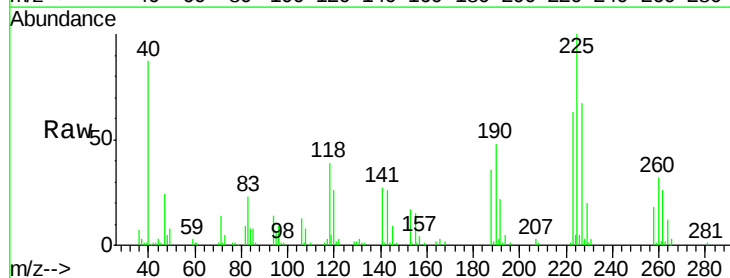
Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

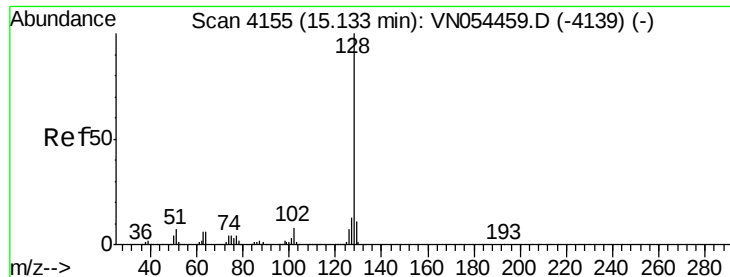
Tot Ion:180 Resp: 68137
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.0 144.2
 145 29.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 22.778 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054662.D
 Acq: 25 Mar 2019 10:36

Tgt Ion:225 Resp: 53253
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 65.8 31.9 95.9





#95

Naphthalene

Concen: 17.044 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

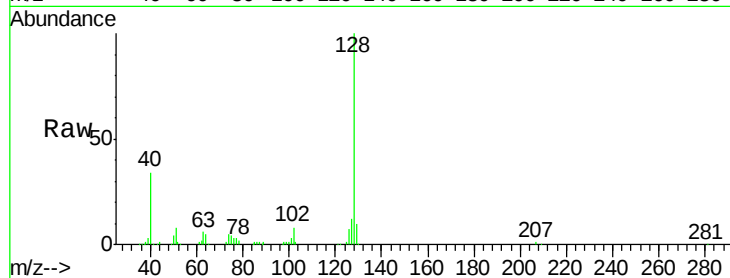
Tot Ion:128 Resp: 149346

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

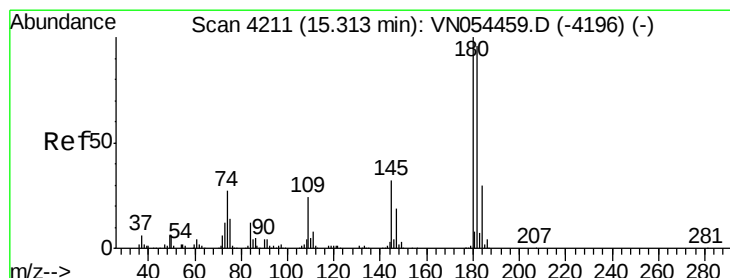
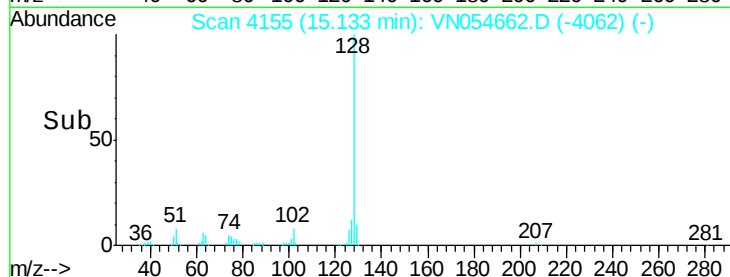
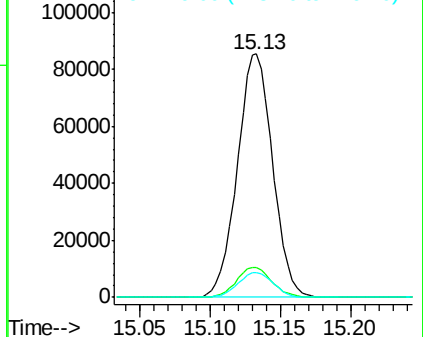
129 10.4 8.7 13.1



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: 17.359 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054662.D

Acq: 25 Mar 2019 10:36

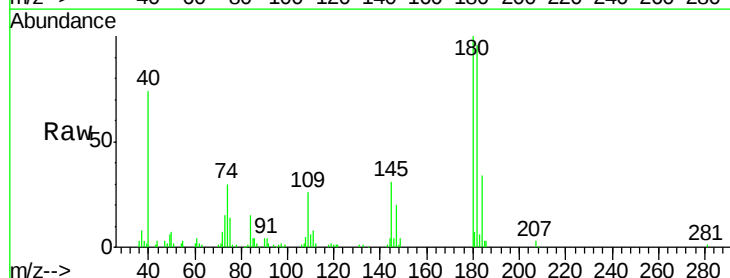
Tgt Ion:180 Resp: 67869

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.6

145 32.5 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

