

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052355.D
 Acq On : 16 Nov 2018 11:01
 Operator : MD\SY
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Quant Time: Nov 16 22:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	42664	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	249399	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	220557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110681	34.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	116.50%
60) 4-Bromofluorobenzene	12.40	95	105436	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	310724	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	61368	21.537	ug/l 98
3) Chloromethane	2.06	50	65886	20.231	ug/l 100
4) Vinyl Chloride	2.19	62	57258	17.923	ug/l 98
5) Bromomethane	2.57	94	33569	15.394	ug/l 98
6) Chloroethane	2.71	64	32833	16.073	ug/l 99
7) Trichlorofluoromethane	3.02	101	86195	19.924	ug/l 99
8) Diethyl Ether	3.41	74	30701	21.018	ug/l 79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53311	21.084	ug/l 97
10) 1,1-Dichloroethene	3.74	96	44657	18.928	ug/l 99
11) Methyl Iodide	3.96	142	61208	17.943	ug/l 100
12) Methyl Acetate	4.33	43	54145	27.265	ug/l 95
13) Acrolein	3.61	56	16144	76.643	ug/l 91
14) Acrylonitrile	4.99	53	98944	112.351	ug/l 98
15) Acetone	3.94	58	73	0.351	ug/l 93
16) Carbon Disulfide	4.06	76	113506	16.293	ug/l 98
17) Allyl chloride	4.33	41	87464	21.834	ug/l 93
18) Methylene Chloride	4.55	84	55117	18.926	ug/l # 82
19) trans-1,2-Dichloroethene	5.05	96	48639	18.815	ug/l 97
20) Diisopropyl ether	5.95	45	207834	23.875	ug/l 95
21) 1,1-Dichloroethane	5.85	63	106597	20.954	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	55683	18.446	ug/l 88
23) tert-Butyl Alcohol	4.77	59	9245	67.377	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	141259	21.119	ug/l 92
25) Chloroform	7.37	83	102470	20.060	ug/l 97
26) Cyclohexane	7.66	56	88885	19.491	ug/l # 91
29) 1,1-Dichloropropene	7.80	75	75135	18.976	ug/l 99
30) 2-Butanone	6.84	43	139931	132.703	ug/l # 82
31) 2,2-Dichloropropane	6.82	77	80536	19.745	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	84797	19.140	ug/l 95
33) Carbon Tetrachloride	7.77	117	76302	19.366	ug/l 98
34) Benzene	8.04	78	219943	18.971	ug/l 95
35) Methacrylonitrile	7.17	41	27280	18.862	ug/l # 71
36) 1,2-Dichloroethane	8.13	62	83912	21.647	ug/l 98
37) Trichloroethene	8.84	130	55209	19.026	ug/l 97
38) Methylcyclohexane	9.08	83	84541	17.503	ug/l 94
39) 1,2-Dichloropropane	9.12	63	63210	20.481	ug/l 95
40) Dibromomethane	9.21	93	37015	19.458	ug/l 95

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Instrument :
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 ClientSampleId :
 VN1116WBS01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	79315	20.378	ug/l	97
42) Vinyl Acetate	5.90	43	689584	111.708	ug/l	96
43) Ethyl Acetate	6.84	43	139931	26.406	ug/l #	86
44) Isopropyl Acetate	8.17	43	108401	24.707	ug/l #	86
45) 1,4-Dioxane	9.20	88	9661	482.680	ug/l #	75
46) Methyl methacrylate	9.20	41	54541	24.973	ug/l	92
47) n-amyl Acetate	12.07	43	90384	22.726	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	77541	20.063	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	89669	20.101	ug/l #	89
50) 1,1,2-Trichloroethane	10.56	97	48891	19.436	ug/l	93
51) Ethyl methacrylate	10.43	69	65166	20.045	ug/l	78
52) 1,3-Dichloropropane	10.71	76	88179	20.125	ug/l	99
53) Dibromochloromethane	10.90	129	53498	19.700	ug/l	98
54) 1,2-Dibromoethane	11.00	107	48388	18.969	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	193677	108.792	ug/l	99
56) Bromoform	12.12	173	31577	20.132	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	299037	126.529	ug/l	95
59) 2-Hexanone	10.75	43	210468	129.338	ug/l	94
61) Tetrachloroethene	10.63	164	53066	22.123	ug/l	92
62) Toluene	10.16	91	238569	19.269	ug/l	99
64) Chlorobenzene	11.43	112	147115	18.748	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	52520	19.665	ug/l	99
66) Ethyl Benzene	11.51	91	256538	19.182	ug/l	97
67) m/p-Xylenes	11.62	106	189593	36.822	ug/l	97
68) o-Xylene	11.95	106	92939	18.933	ug/l	98
69) Styrene	11.96	104	150661	19.046	ug/l	97
70) Isopropylbenzene	12.25	105	254528	19.315	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	60079	20.727	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	79762	31.297	ug/l	48
73) Bromobenzene	12.53	156	58228	19.941	ug/l	97
74) n-propylbenzene	12.59	91	301975	19.678	ug/l	98
75) 2-Chlorotoluene	12.67	91	177090	20.016	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	210032	19.876	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	15792	19.804	ug/l	87
78) 4-Chlorotoluene	12.77	91	176388	19.798	ug/l	99
79) tert-butylbenzene	12.99	119	179445	19.495	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	211641	20.105	ug/l	99
81) sec-Butylbenzene	13.17	105	251824	19.879	ug/l	99
82) p-Isopropyltoluene	13.29	119	214528	20.039	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	103118	19.965	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	101318	19.815	ug/l	97
85) n-Butylbenzene	13.62	91	188413	20.335	ug/l	98
86) Hexachloroethane	13.87	117	36174	20.024	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	101196	20.622	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9323	23.522	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	43802	21.989	ug/l	99
90) Hexachlorobutadiene	15.01	225	26064	23.915	ug/l	94
91) Naphthalene	15.13	128	98233	21.395	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	41464	23.883	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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VN1116WBS01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

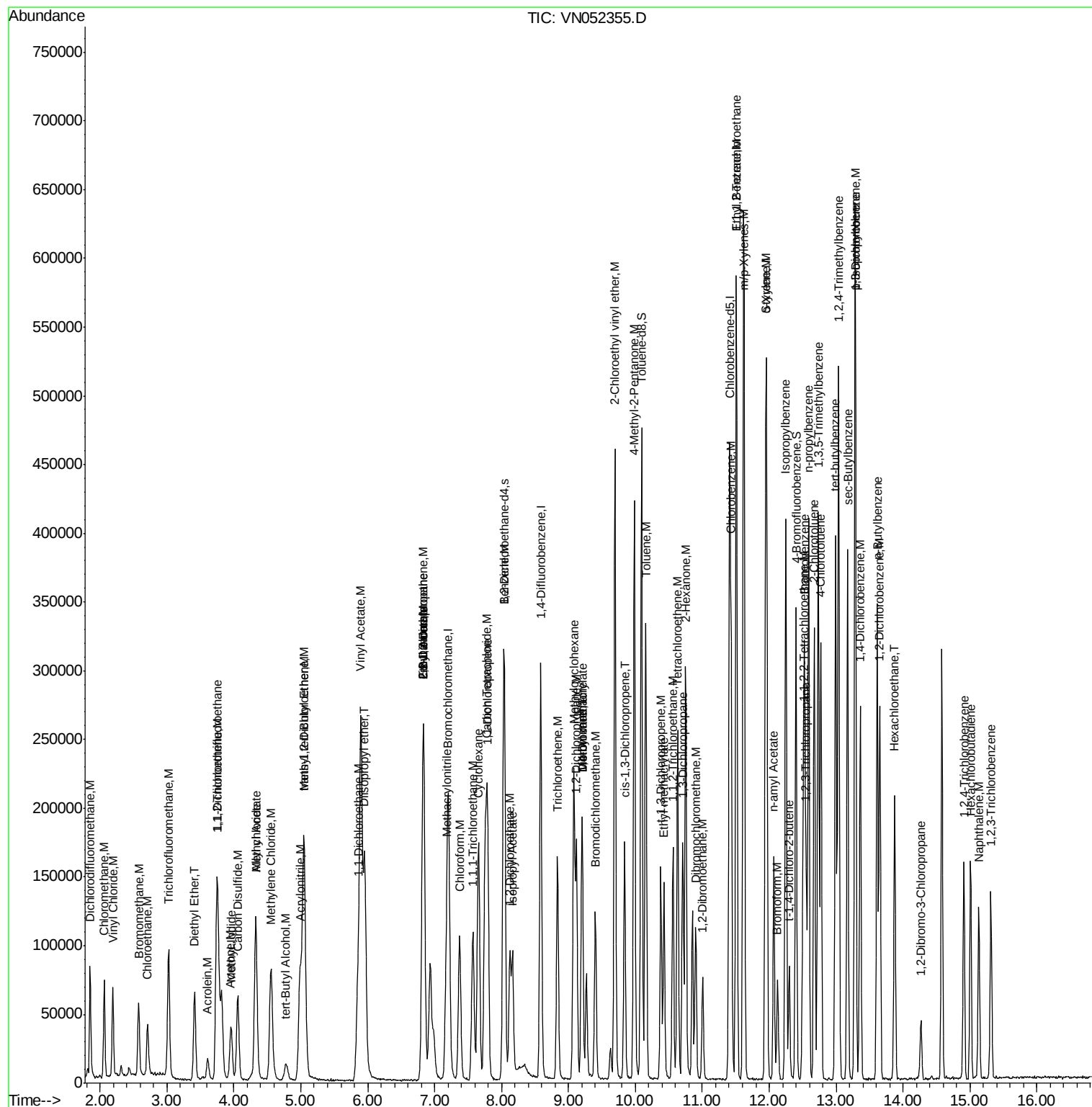
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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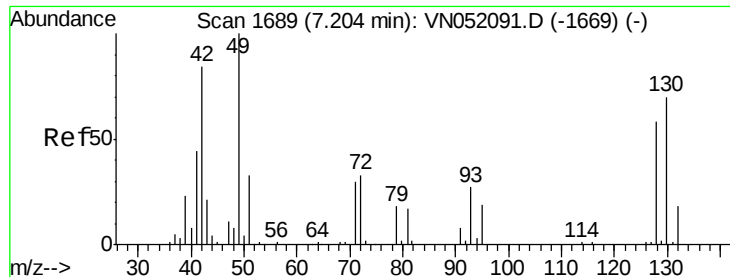
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Nov 16 22:34:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

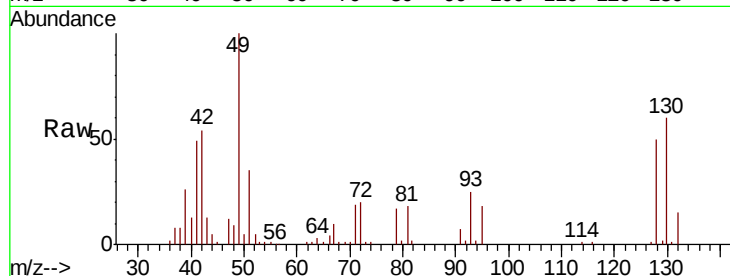
Tot Ion:128 Resp: 42664

Ion Ratio Lower Upper

128 100

49 203.6 0.0 453.7

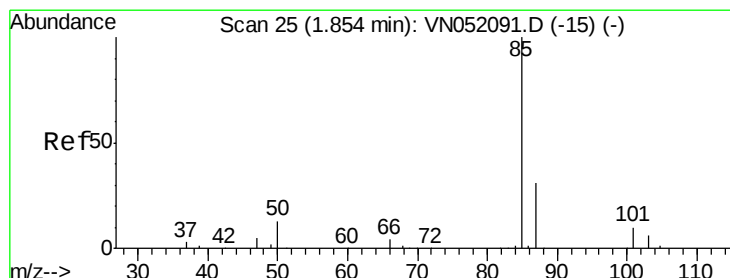
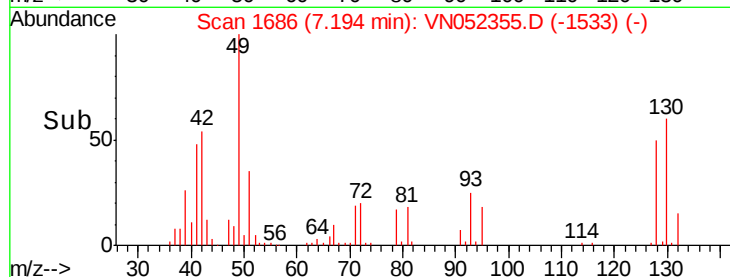
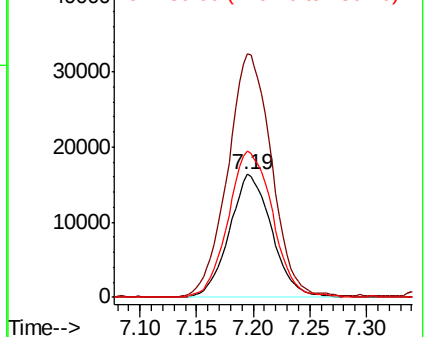
130 124.6 0.0 308.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.537 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052355.D

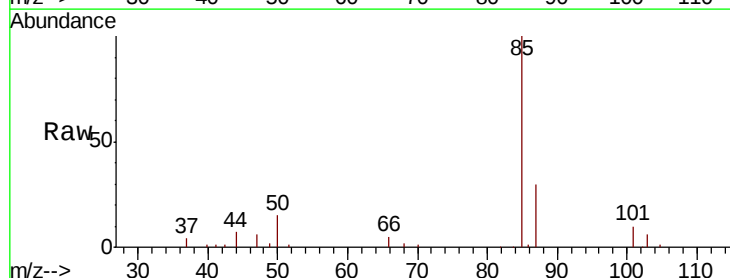
Acq: 16 Nov 2018 11:01

Tgt Ion: 85 Resp: 61368

Ion Ratio Lower Upper

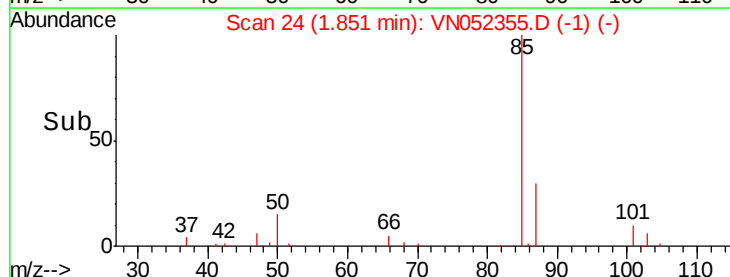
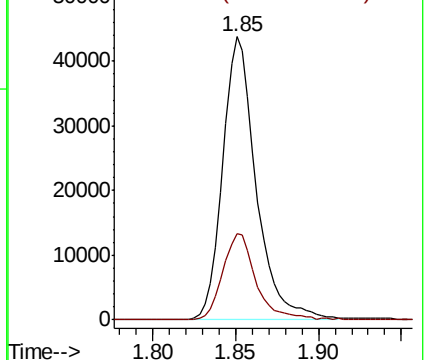
85 100

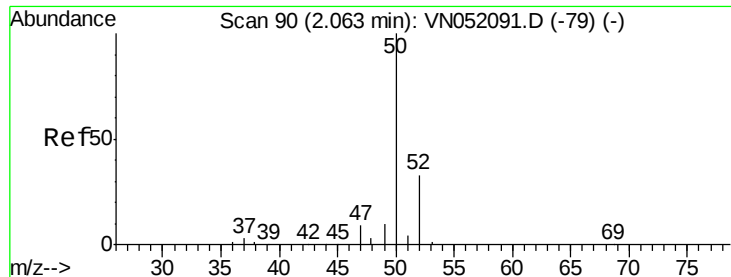
87 30.3 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.231 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

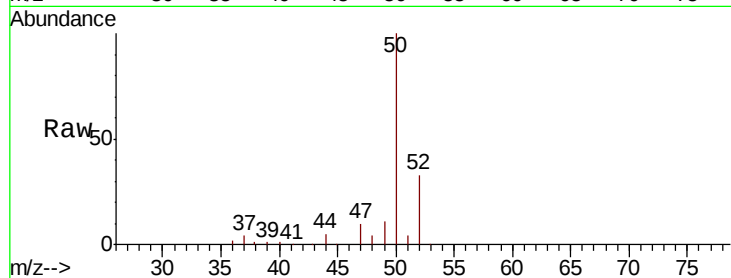
VN1116WBS01

Tot Ion: 50 Resp: 65886

Ion Ratio Lower Upper

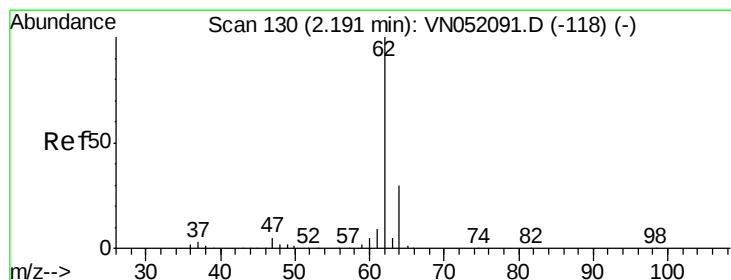
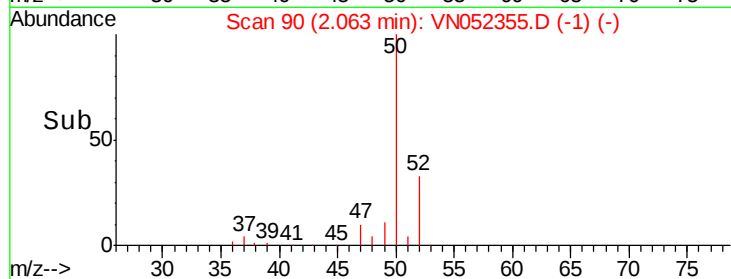
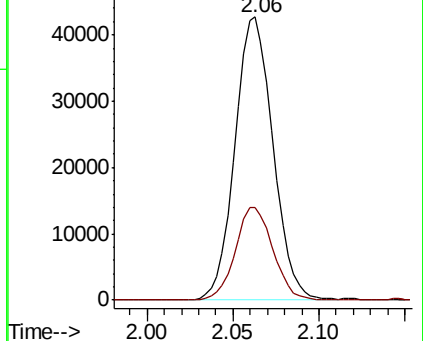
50 100

52 32.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.923 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052355.D

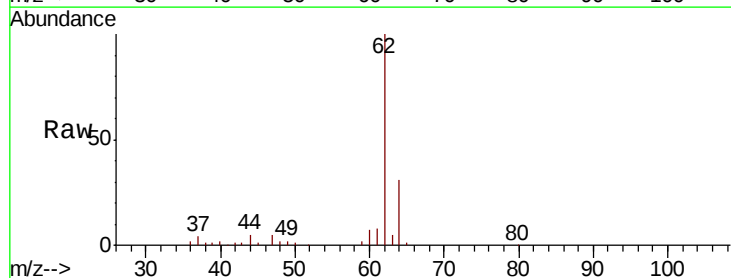
Acq: 16 Nov 2018 11:01

Tgt Ion: 62 Resp: 57258

Ion Ratio Lower Upper

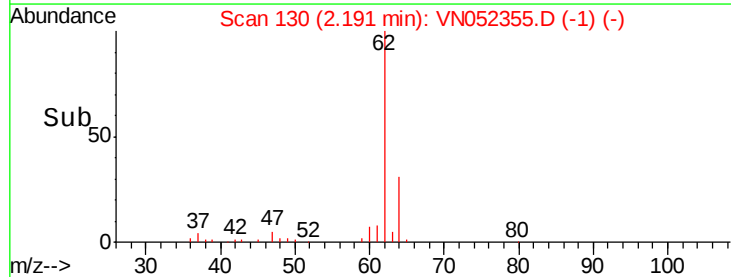
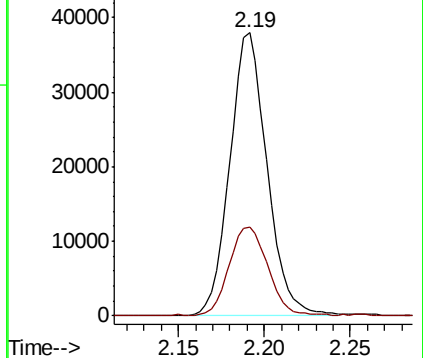
62 100

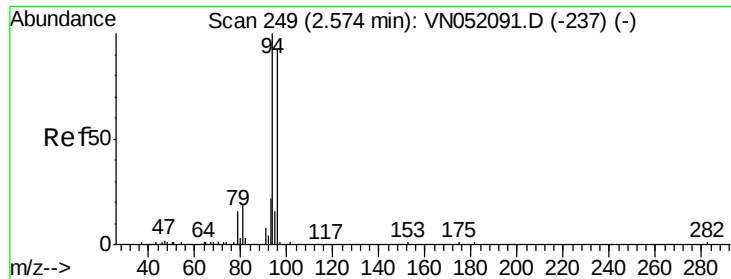
64 31.3 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 15.394 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

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ClientSampleId :

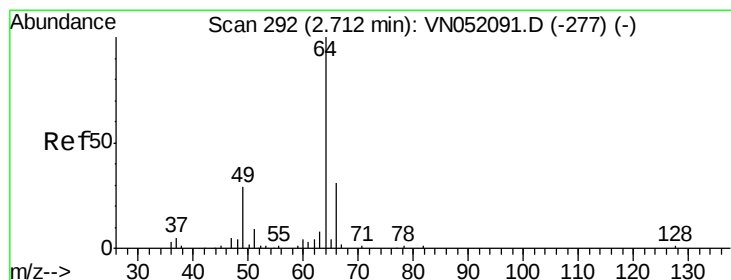
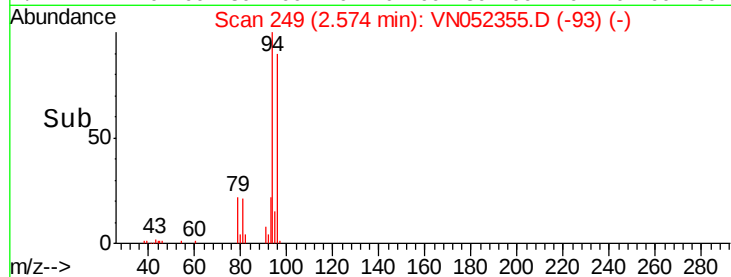
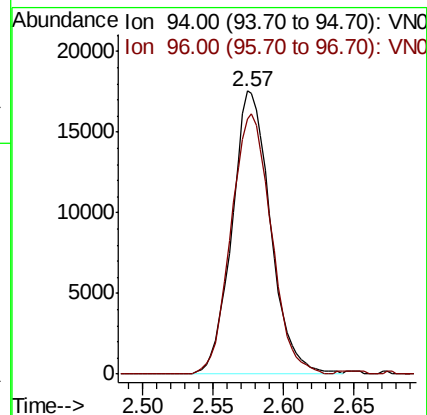
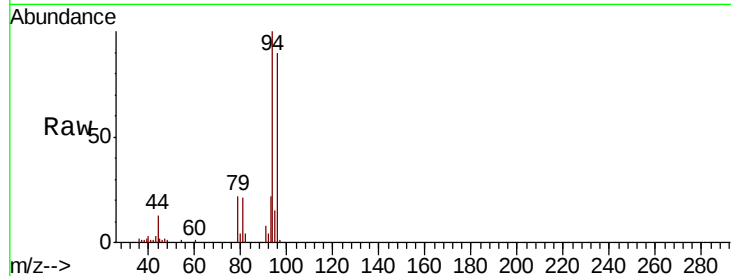
VN1116WBS01

Tot Ion: 94 Resp: 33569

Ion Ratio Lower Upper

94 100

96 90.1 73.4 110.0



#6

Chloroethane

Concen: 16.073 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052355.D

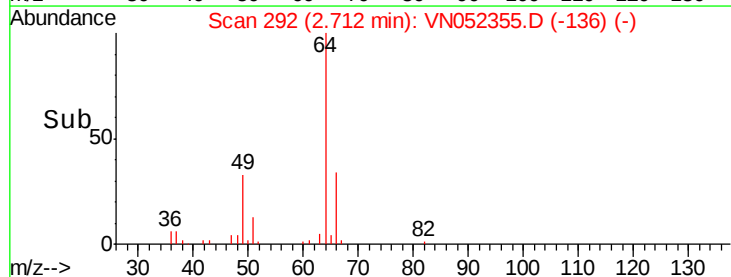
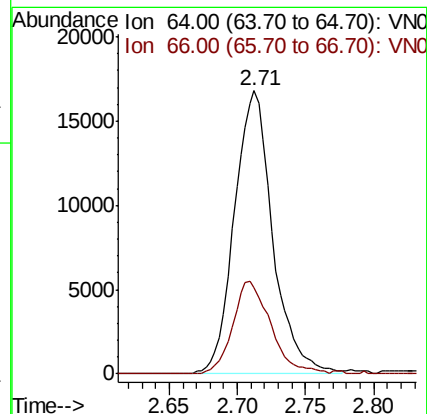
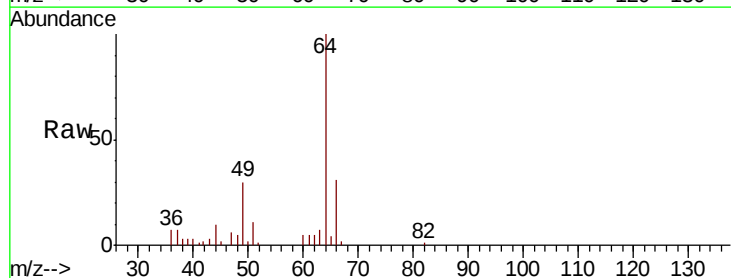
Acq: 16 Nov 2018 11:01

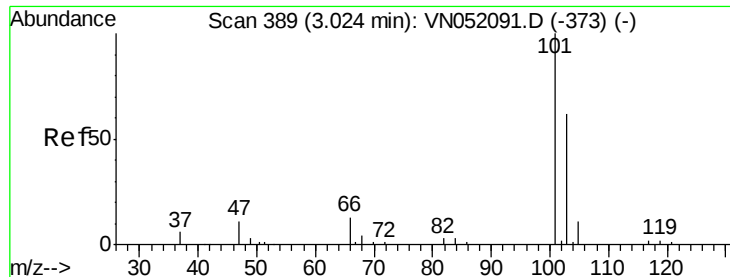
Tgt Ion: 64 Resp: 32833

Ion Ratio Lower Upper

64 100

66 30.6 24.7 37.1



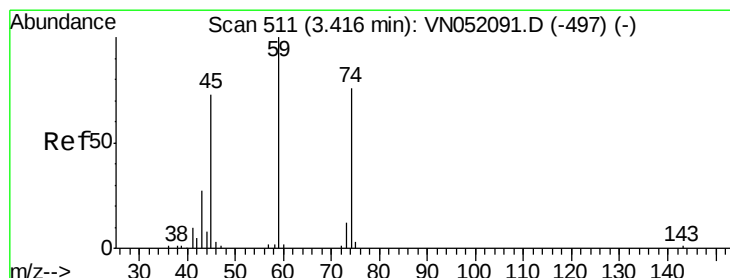
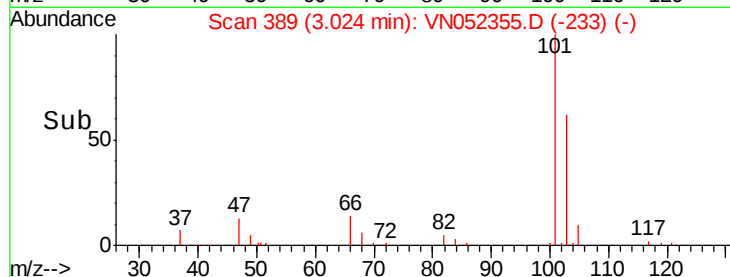
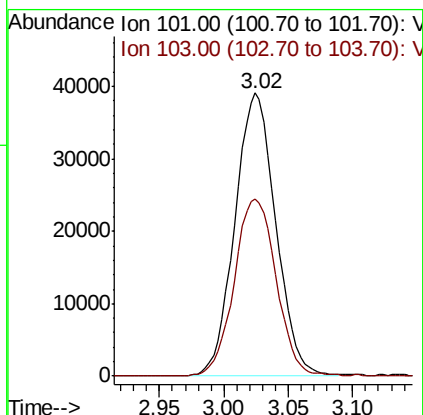
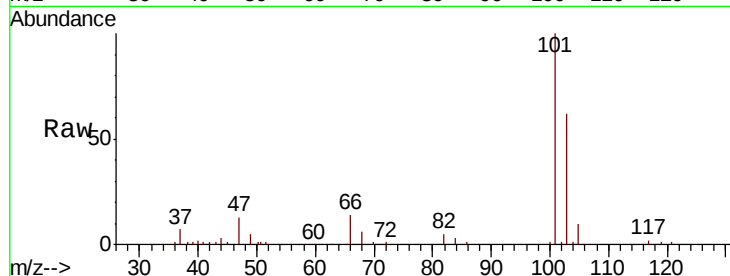


#7

Trichlorofluoromethane
 Concen: 19.924 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

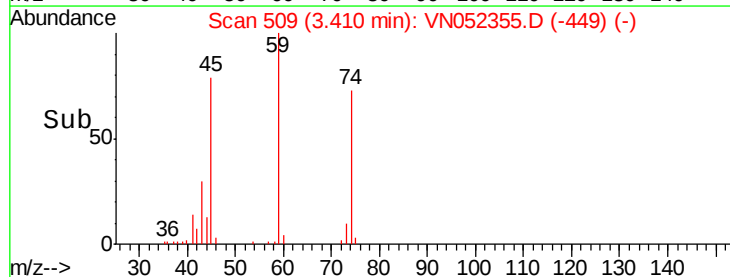
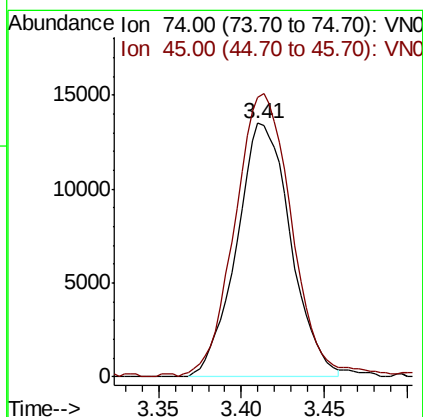
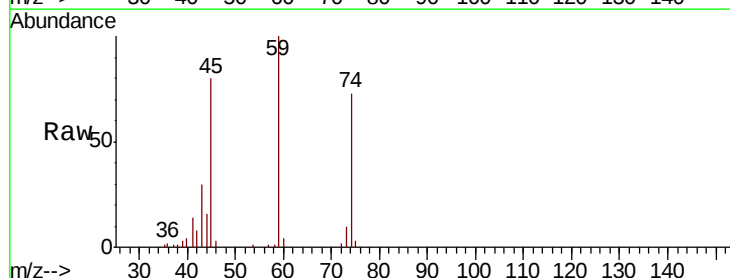
Tot Ion:101 Resp: 86195
 Ion Ratio Lower Upper
 101 100
 103 62.5 49.5 74.3

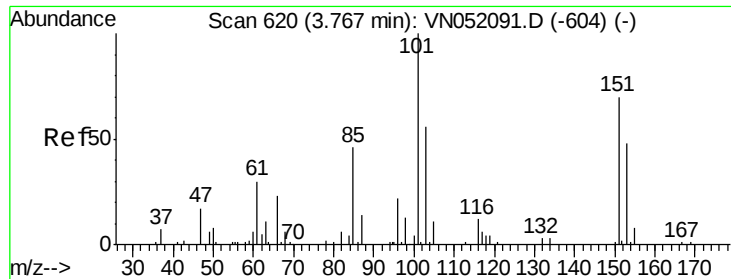


#8

Diethyl Ether
 Concen: 21.018 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 74 Resp: 30701
 Ion Ratio Lower Upper
 74 100
 45 117.9 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.084 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

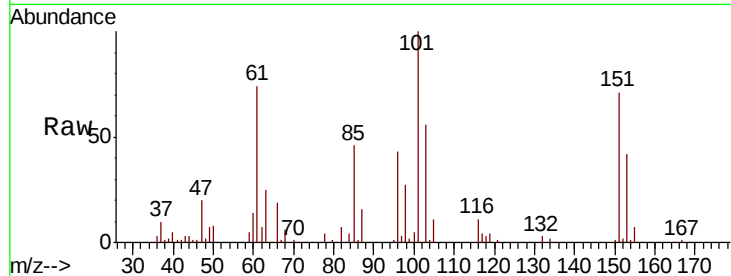
Tot Ion:101 Resp: 53311

Ion Ratio Lower Upper

101 100

85 48.4 0.0 98.0

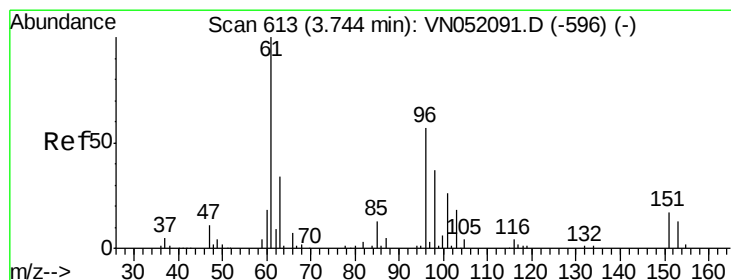
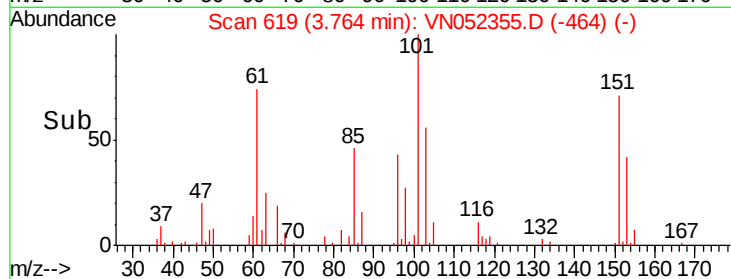
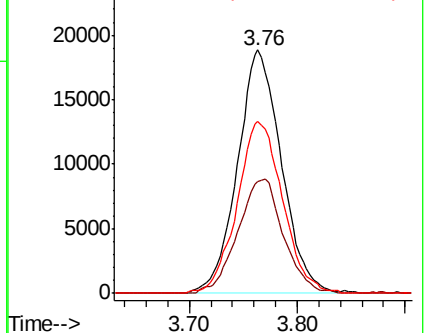
151 73.1 0.0 139.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.928 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

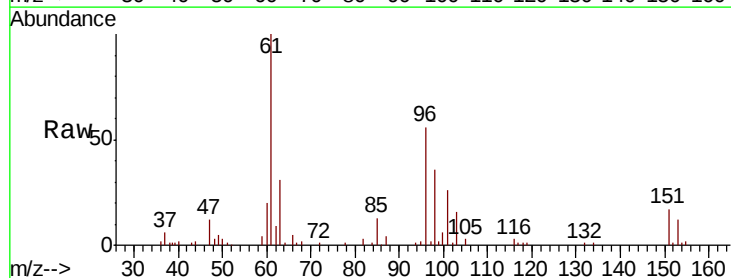
Tgt Ion: 96 Resp: 44657

Ion Ratio Lower Upper

96 100

61 175.0 140.3 210.5

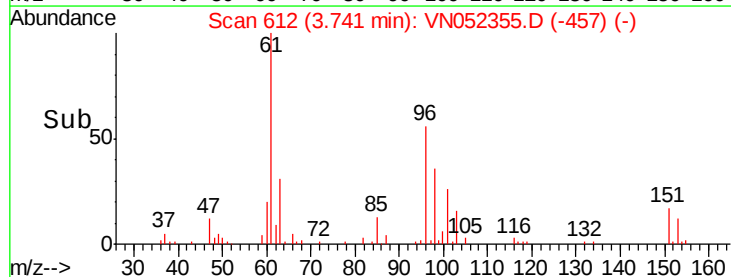
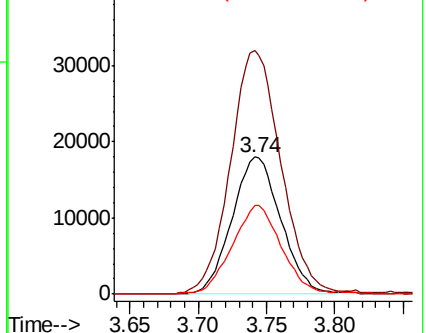
98 63.4 52.0 78.0

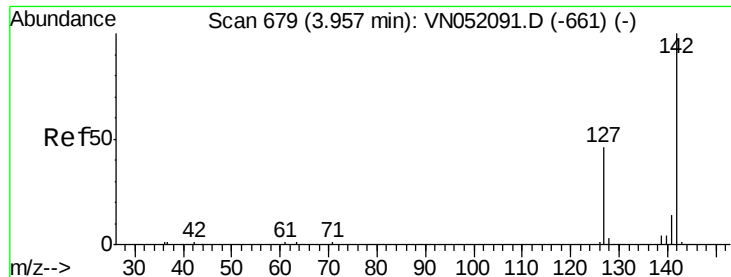


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

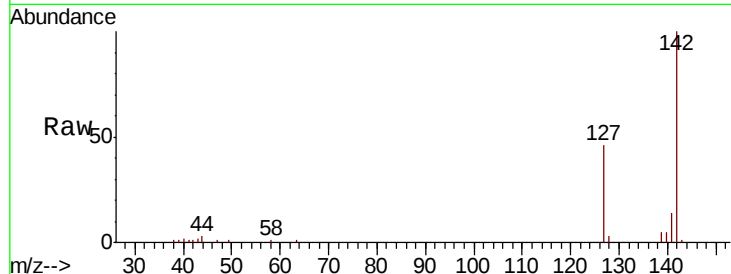




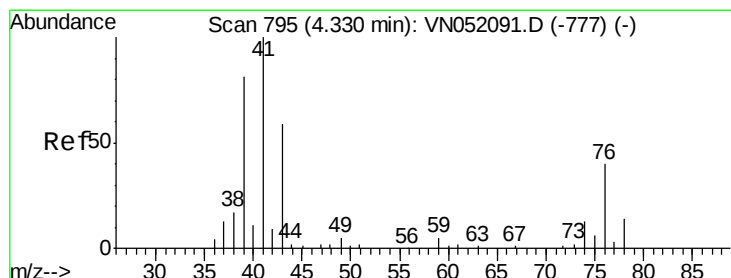
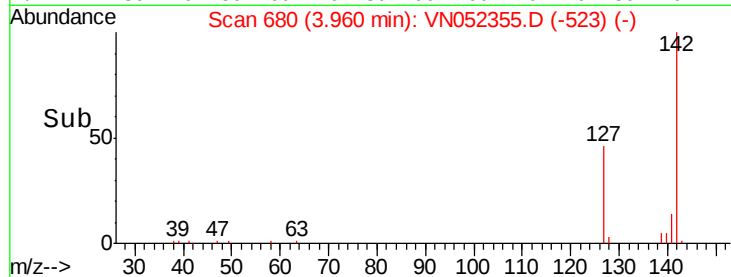
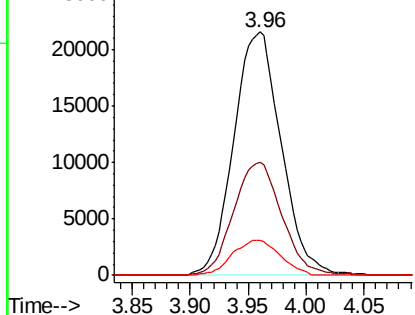
#11
Methyl Iodide
Concen: 17.943 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion:142 Resp: 61208
Ion Ratio Lower Upper
142 100
127 46.3 23.1 69.2
141 14.3 7.0 20.9

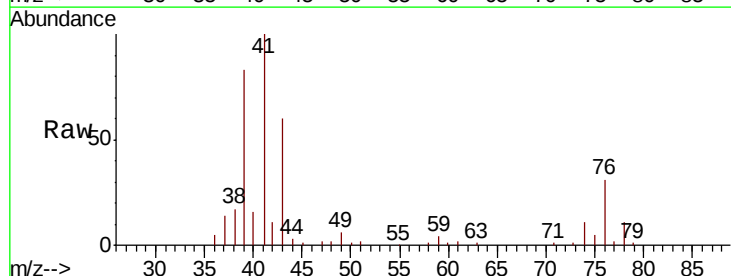


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

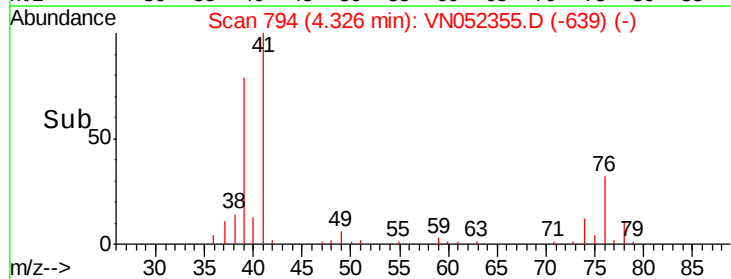
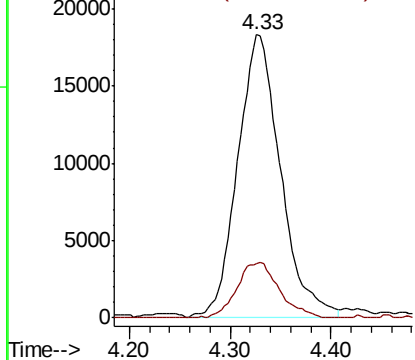


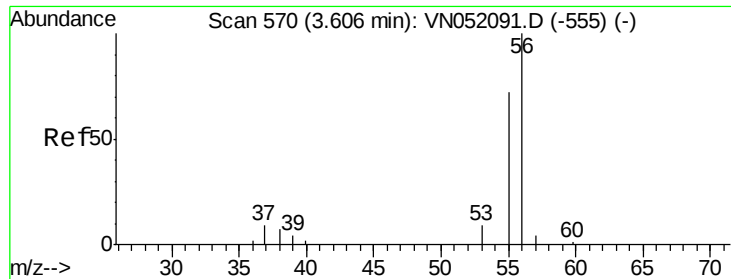
#12
Methyl Acetate
Concen: 27.265 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 43 Resp: 54145
Ion Ratio Lower Upper
43 100
74 19.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 76.643 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

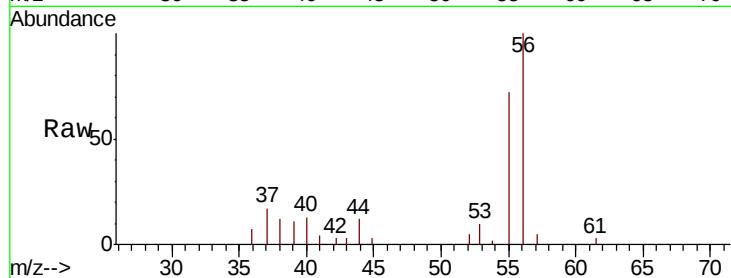
VN1116WBS01

Tot Ion: 56 Resp: 16144

Ion Ratio Lower Upper

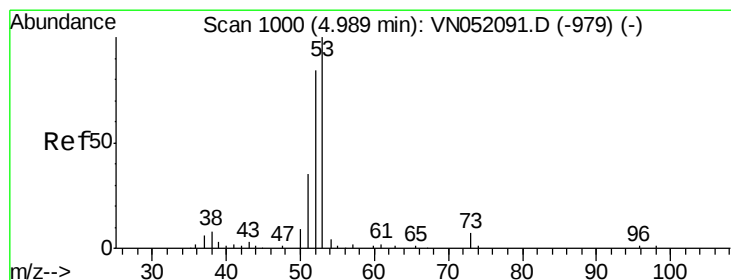
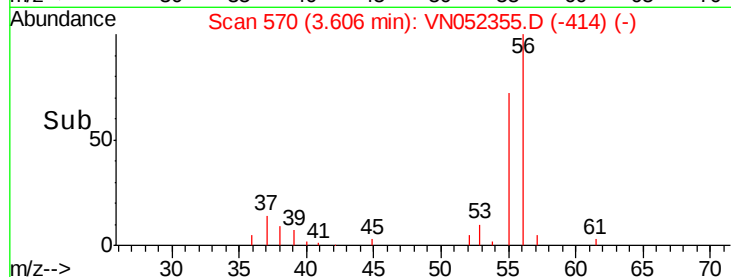
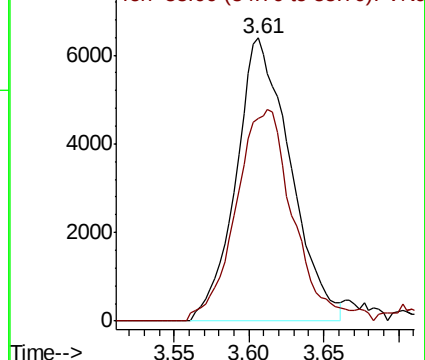
56 100

55 77.9 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 112.351 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

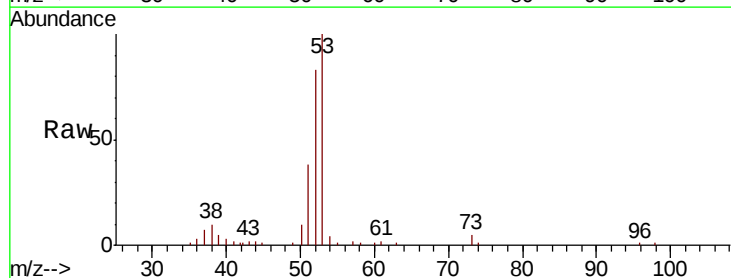
Tgt Ion: 53 Resp: 98944

Ion Ratio Lower Upper

53 100

52 84.7 41.3 124.1

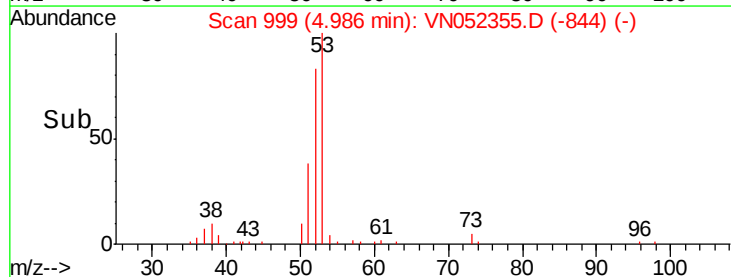
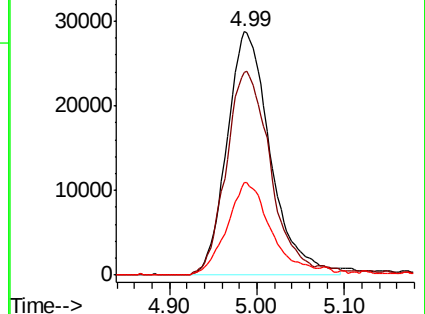
51 38.6 18.6 55.6

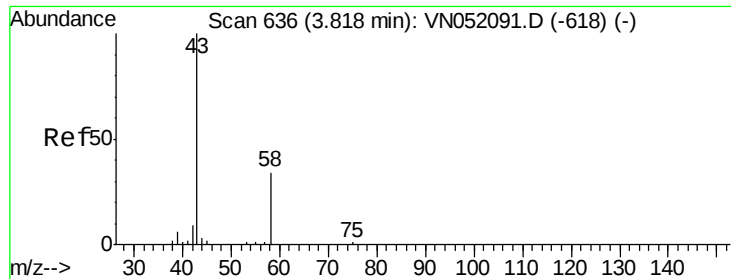


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 0.351 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.12 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

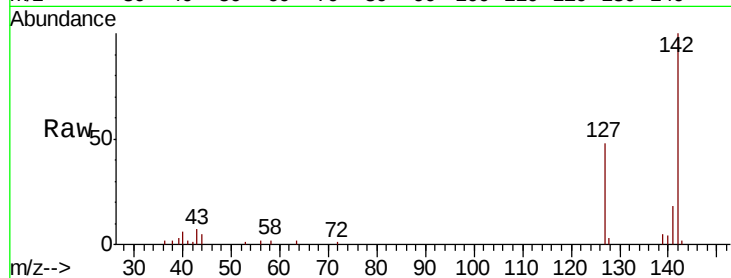
VN1116WBS01

Tot Ion: 58 Resp: 73

Ion Ratio Lower Upper

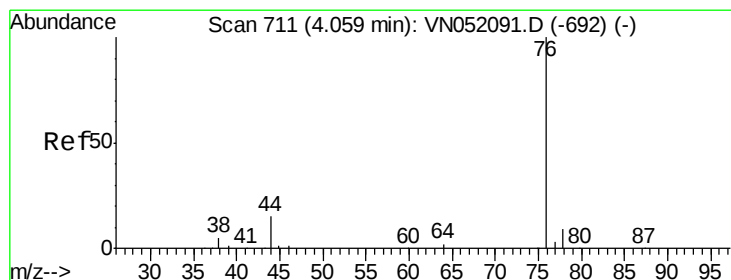
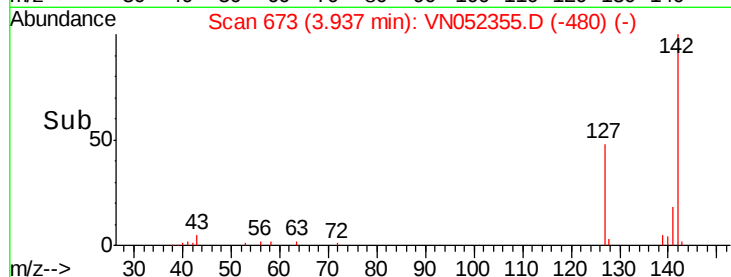
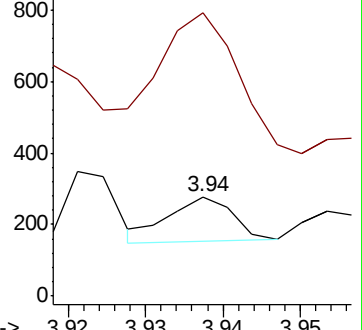
58 100

43 306.7 234.7 352.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.293 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052355.D

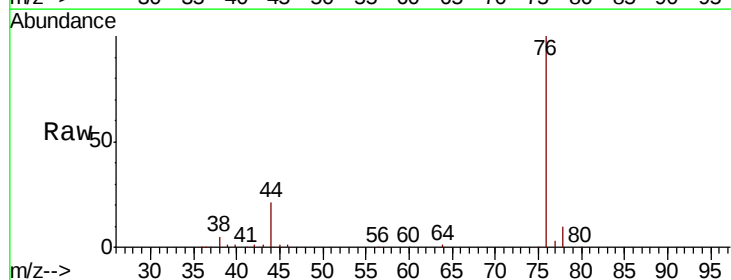
Acq: 16 Nov 2018 11:01

Tgt Ion: 76 Resp: 113506

Ion Ratio Lower Upper

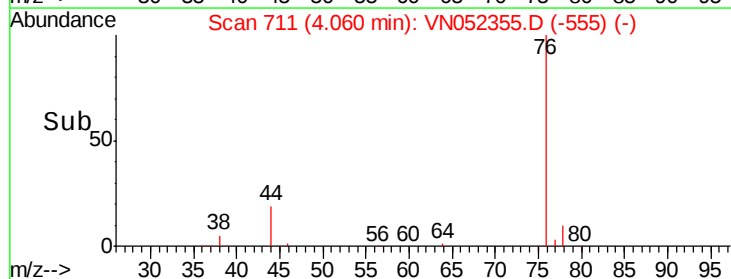
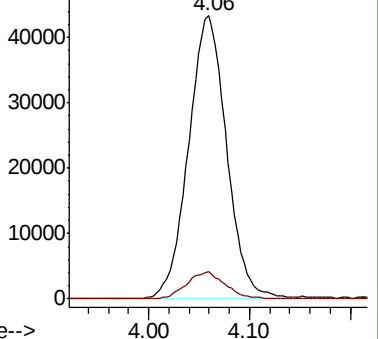
76 100

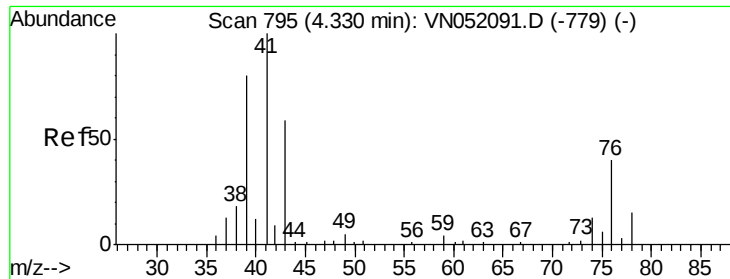
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

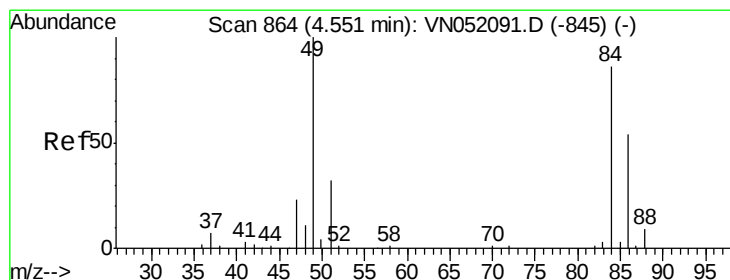
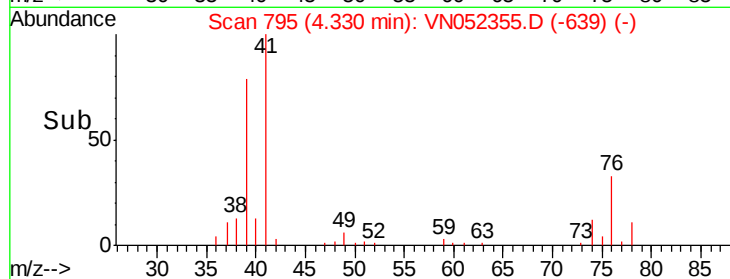
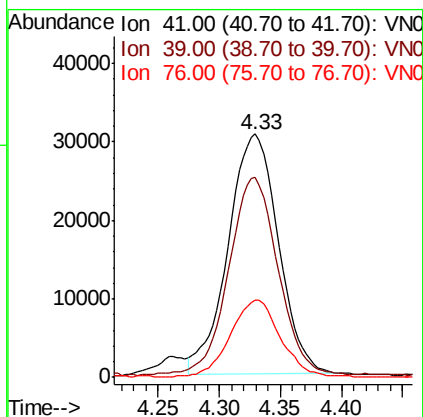
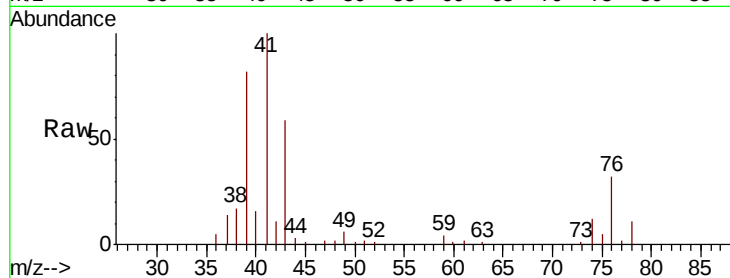




#17
Allvl chloride
Concen: 21.834 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

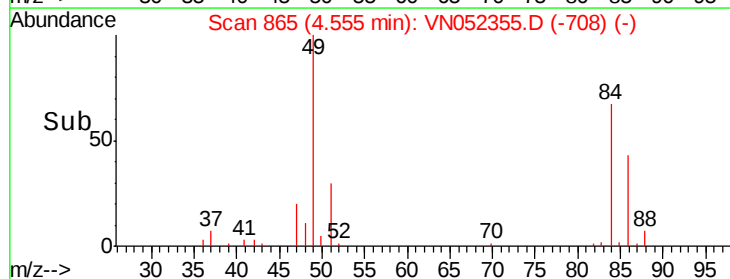
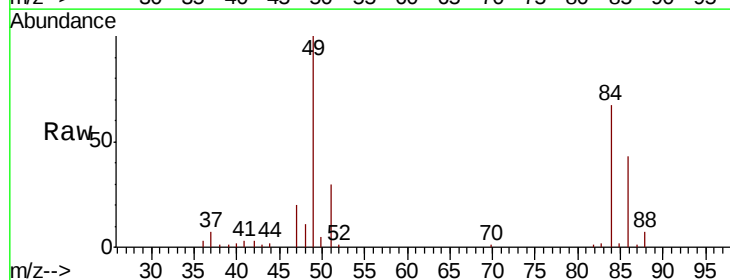
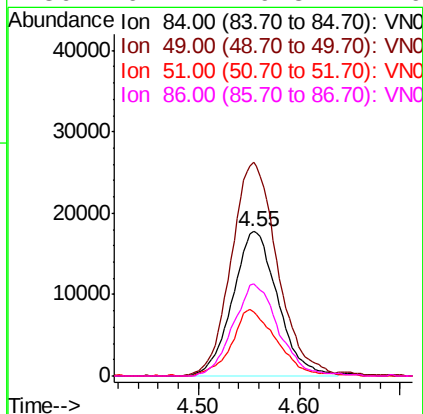
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

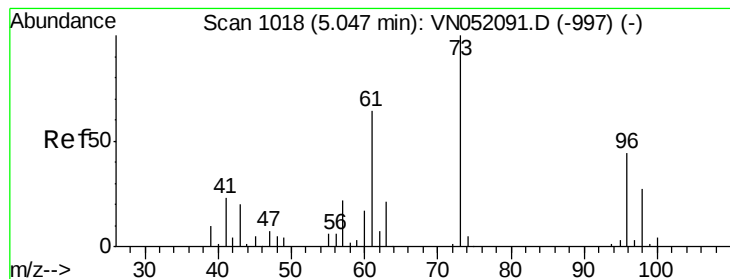
Tot Ion: 41 Resp: 87464
Ion Ratio Lower Upper
41 100
39 81.8 38.4 115.1
76 31.8 18.8 56.3



#18
Methylene Chloride
Concen: 18.926 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 84 Resp: 55117
Ion Ratio Lower Upper
84 100
49 146.9 92.6 138.8#
51 44.9 29.7 44.5#
86 64.1 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 18.815 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

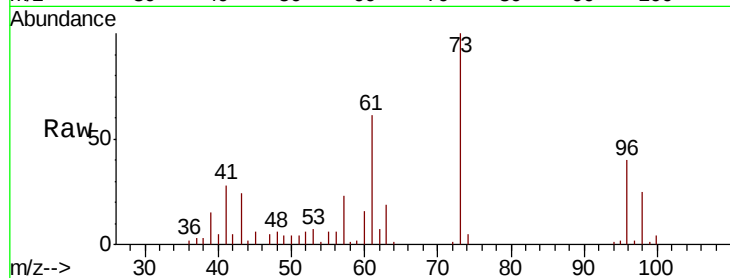
Tot Ion: 96 Resp: 48639

Ion Ratio Lower Upper

96 100

61 151.7 117.8 176.6

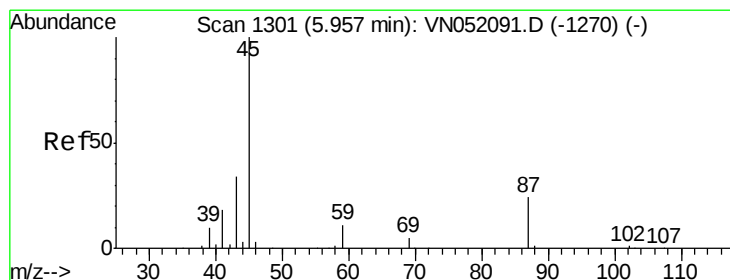
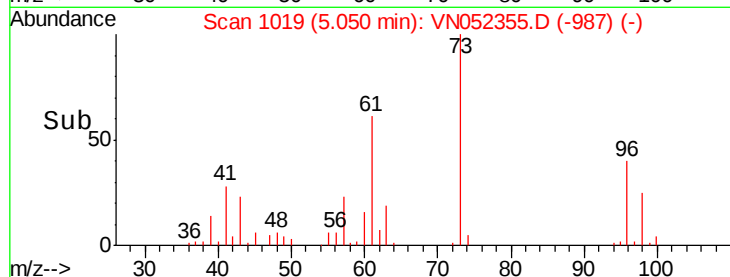
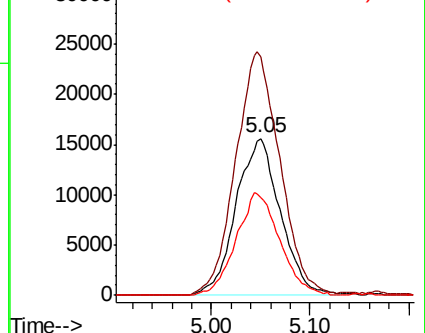
98 62.5 49.3 73.9



Abundance Ion 96.00 (95.70 to 96.70): VN052091.D (-997) (-)

Ion 61.00 (60.70 to 61.70): VN052091.D (-997) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-997) (-)



#20

Diisopropyl ether

Concen: 23.875 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion: 45 Resp: 207834

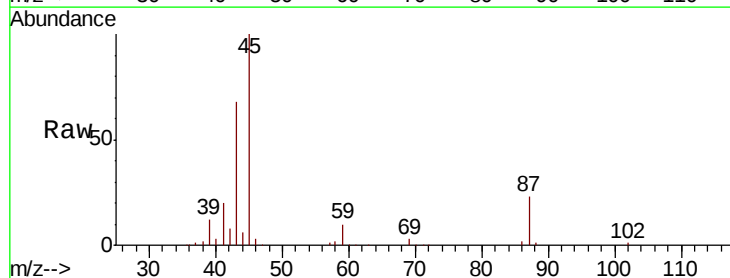
Ion Ratio Lower Upper

45 100

43 66.0 49.4 74.0

87 23.0 20.3 30.5

59 9.3 8.6 12.8

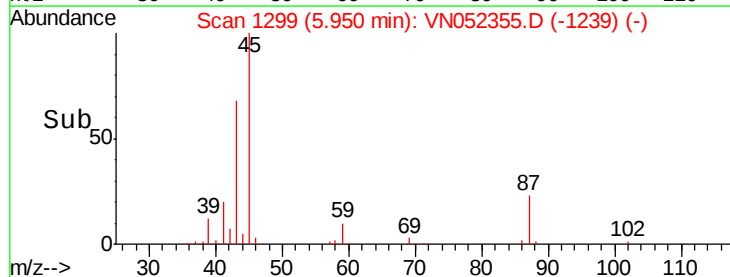
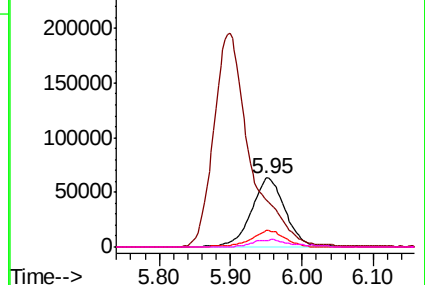


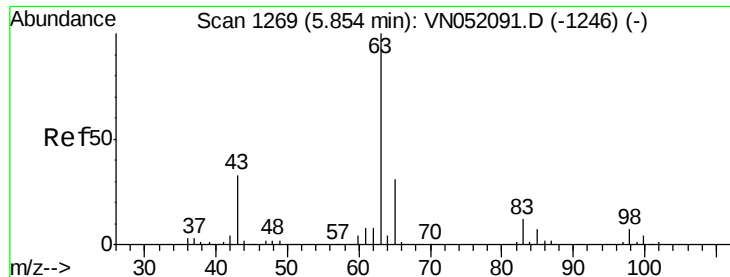
Abundance Ion 45.00 (44.70 to 45.70): VN052091.D (-1270) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-1270) (-)

Ion 87.00 (86.70 to 87.70): VN052091.D (-1270) (-)

Ion 59.00 (58.70 to 59.70): VN052091.D (-1270) (-)

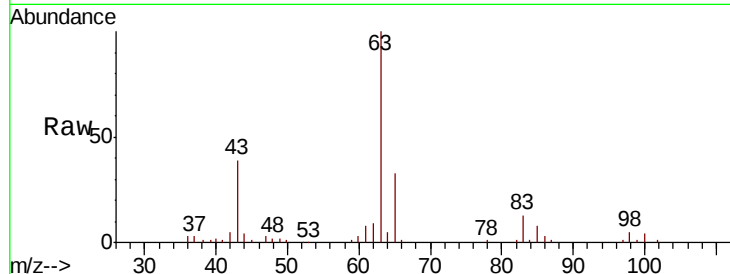




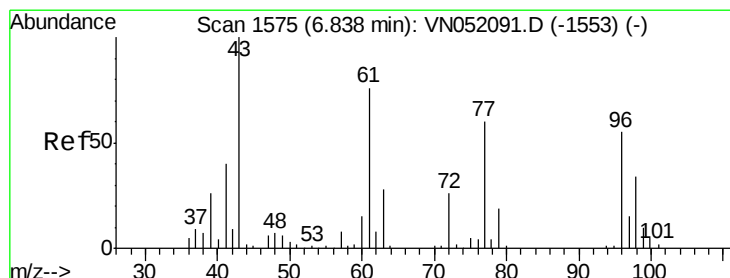
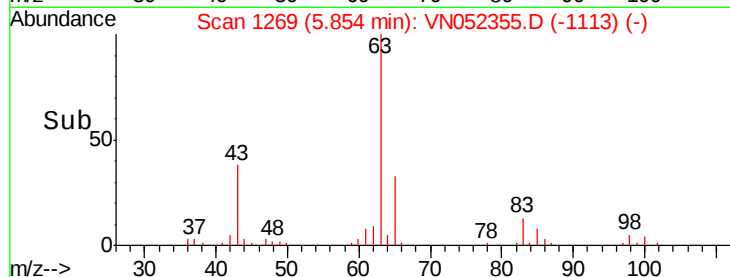
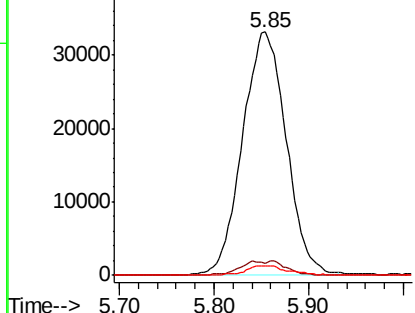
#21
 1,1-Dichloroethane
 Concen: 20.954 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.4	10.1
100	3.8	2.0	5.8

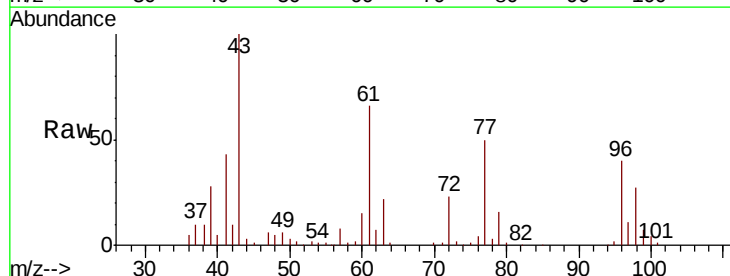


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

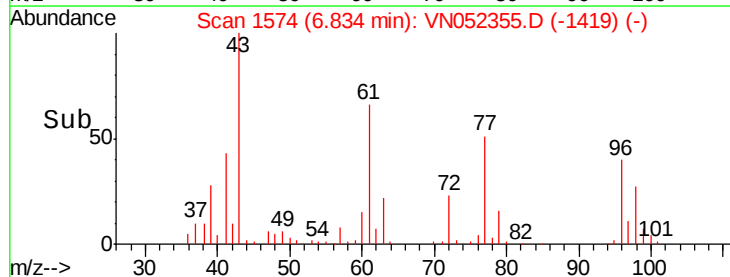
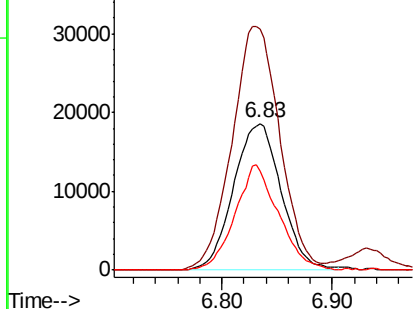


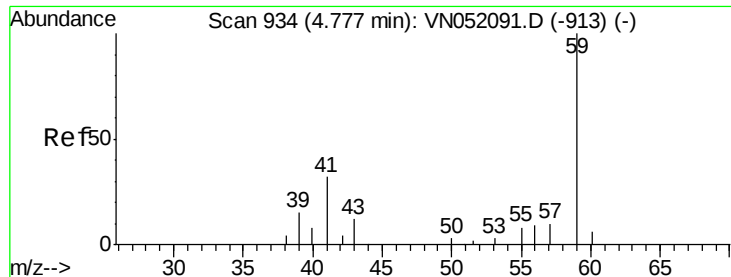
#22
 cis-1,2-Dichloroethene
 Concen: 18.446 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	117.6	176.4
98	65.6	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



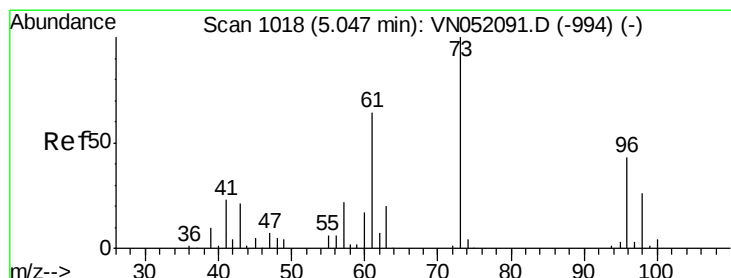
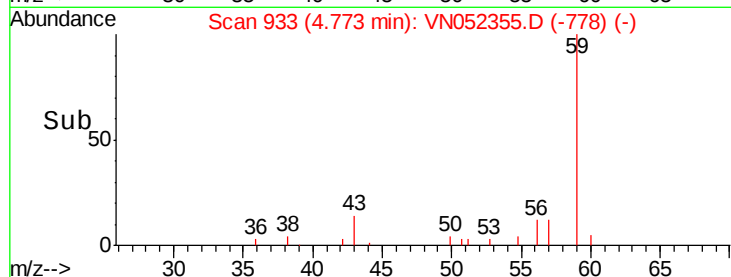
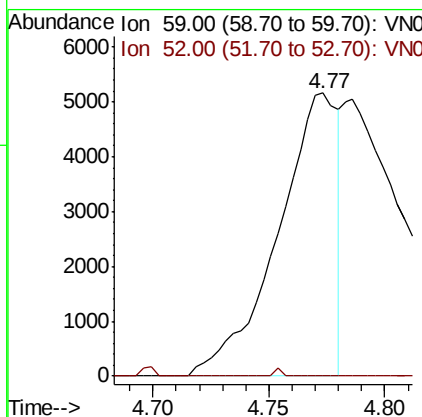
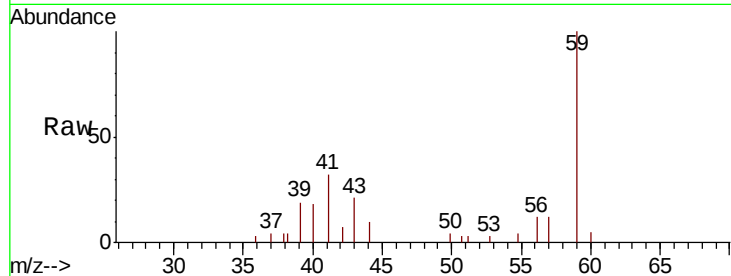


#23

tert-Butyl Alcohol
 Concen: 67.377 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

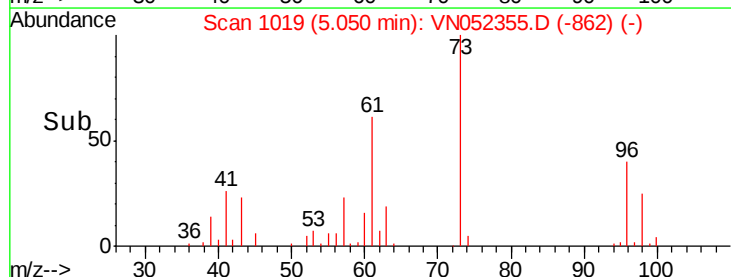
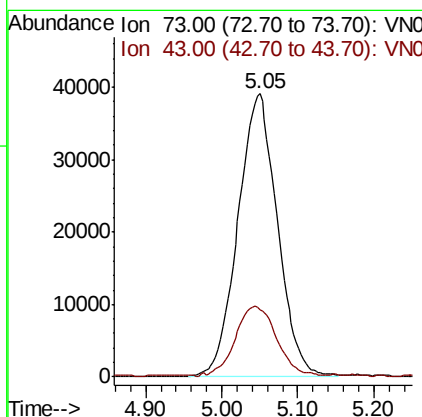
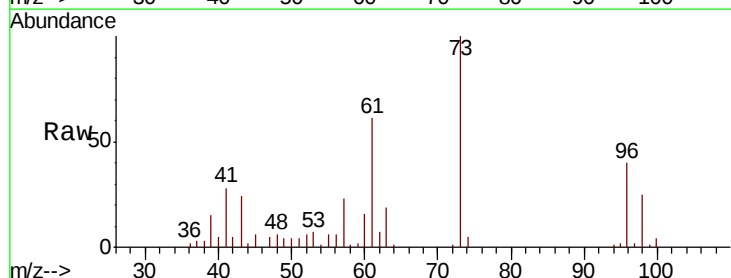
Tot Ion: 59 Resp: 9245
 Ion Ratio Lower Upper
 59 100
 52 0.7 0.3 0.5#

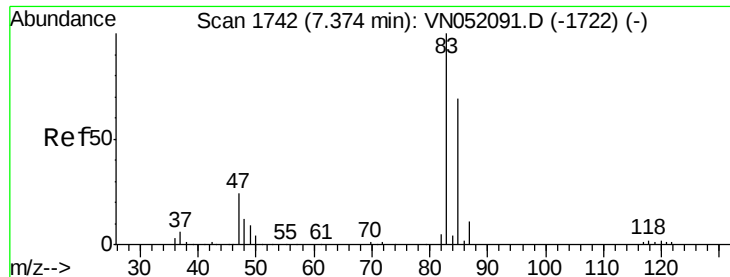


#24

Methyl tert-Butyl Ether
 Concen: 21.119 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 73 Resp: 141259
 Ion Ratio Lower Upper
 73 100
 43 25.4 17.4 26.2

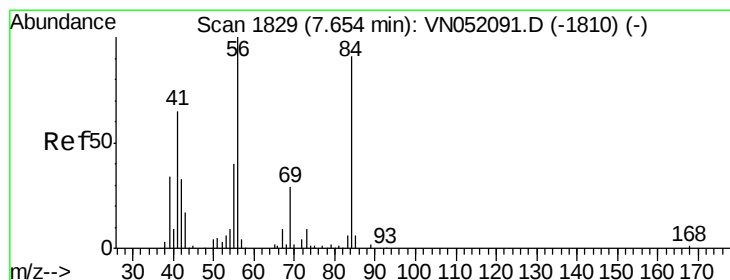
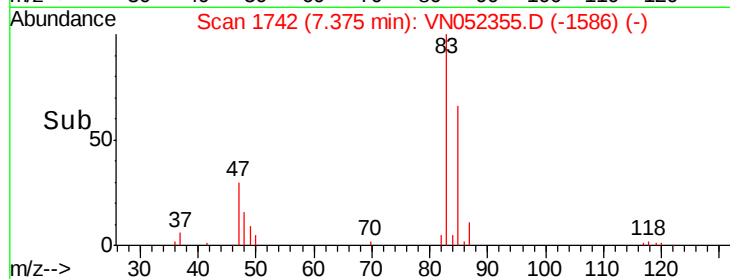
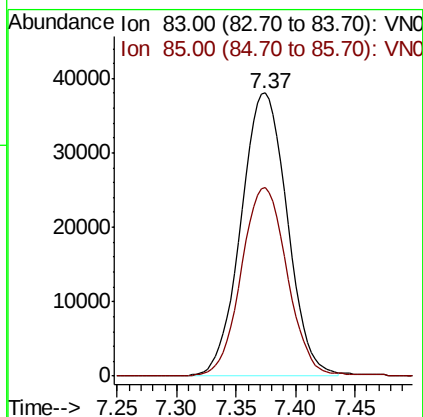
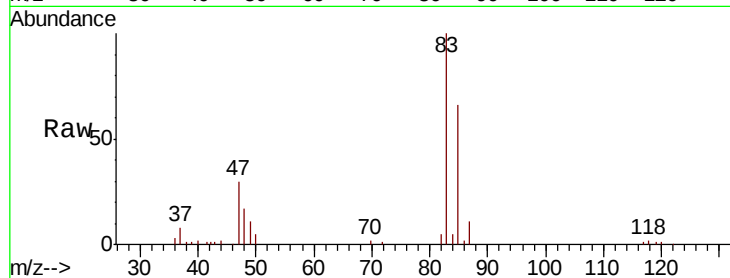




#25
Chloroform
Concen: 20.060 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

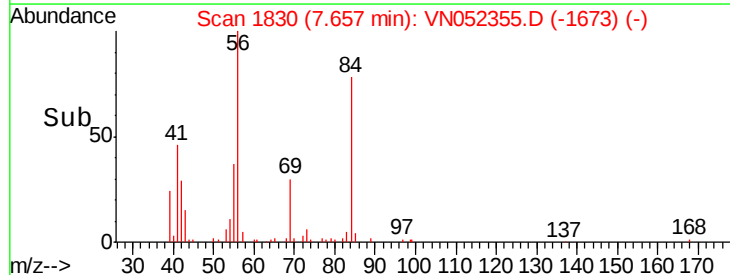
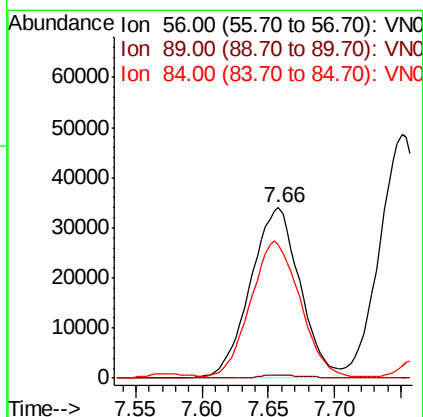
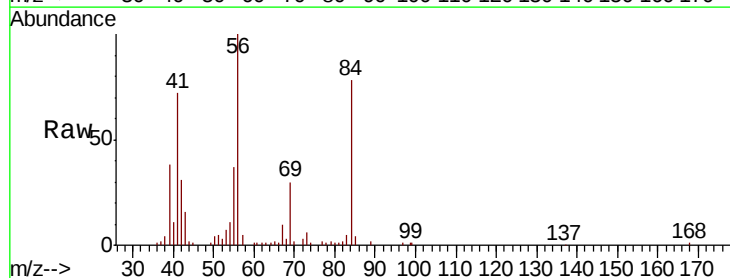
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

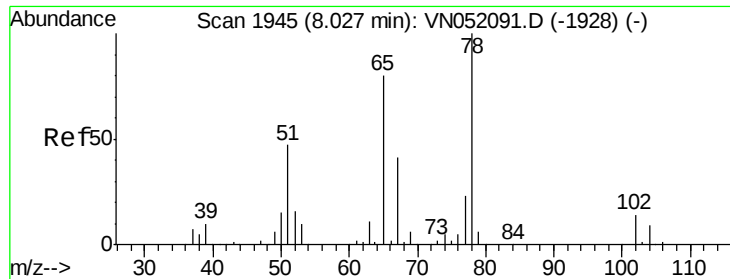
Tot Ion: 83 Resp: 102470
Ion Ratio Lower Upper
83 100
85 66.4 54.9 82.3



#26
Cyclohexane
Concen: 19.491 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 56 Resp: 88885
Ion Ratio Lower Upper
56 100
89 0.5 2.2 3.2#
84 79.9 71.0 106.6

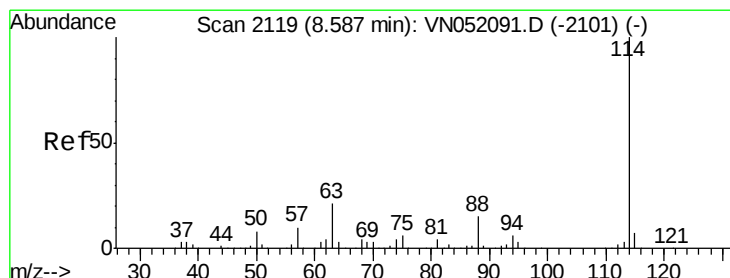
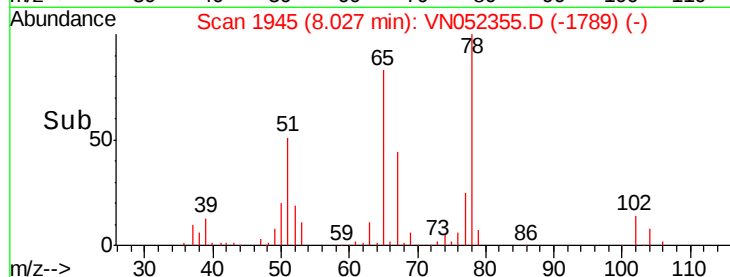
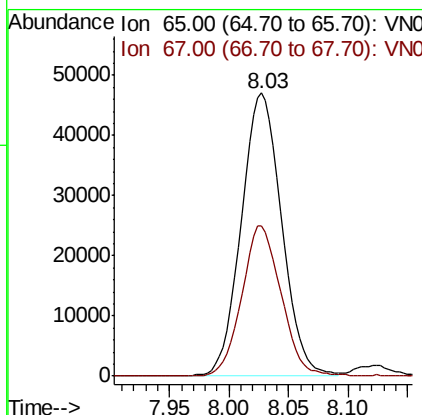
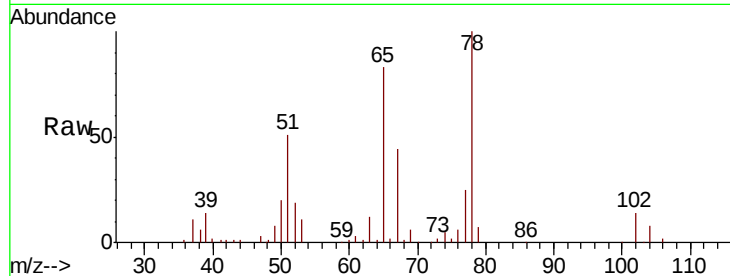




#27
 1,2-Dichloroethane-d4
 Concen: 19.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

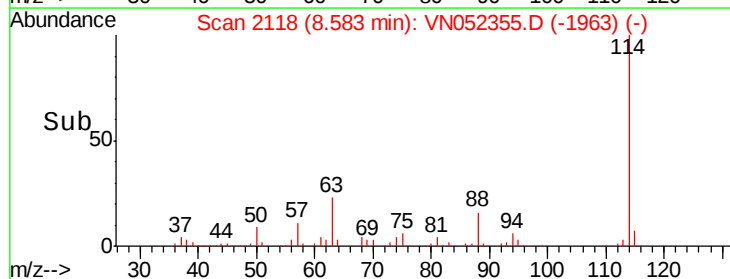
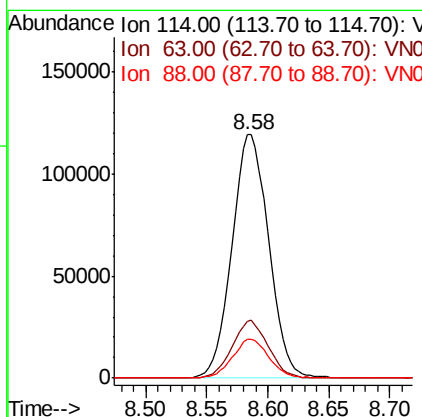
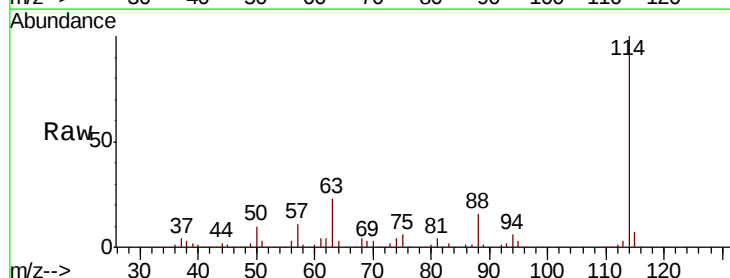
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

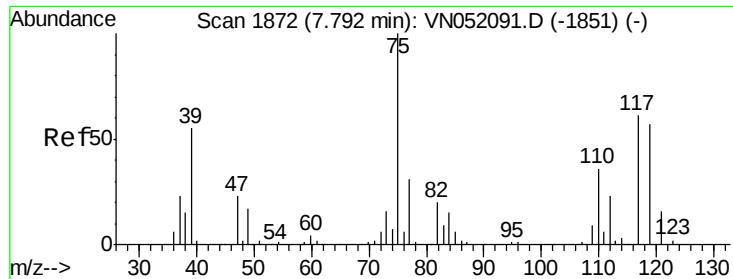
Tot Ion: 65 Resp: 110681
 Ion Ratio Lower Upper
 65 100
 67 51.6 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 114 Resp: 249399
 Ion Ratio Lower Upper
 114 100
 63 23.2 17.5 26.3
 88 15.9 12.6 18.8





#29

1,1-Dichloropropene

Concen: 18.976 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

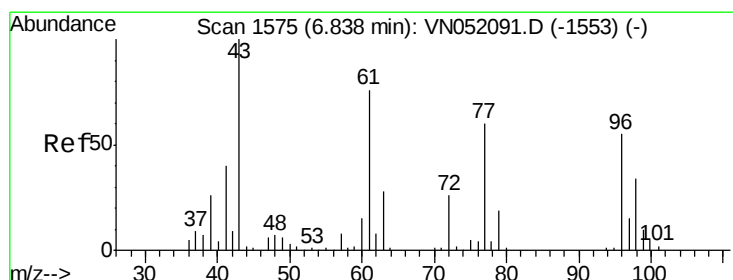
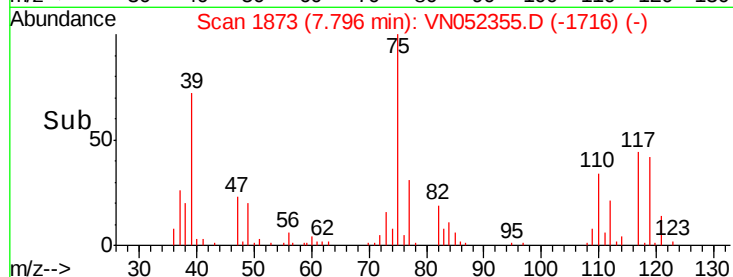
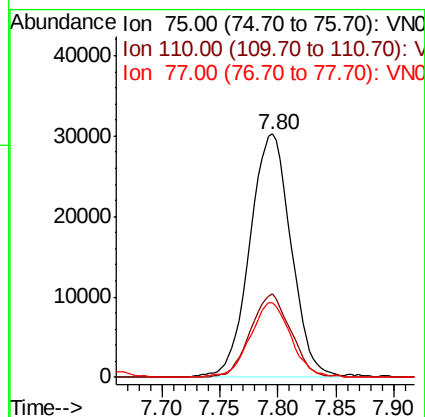
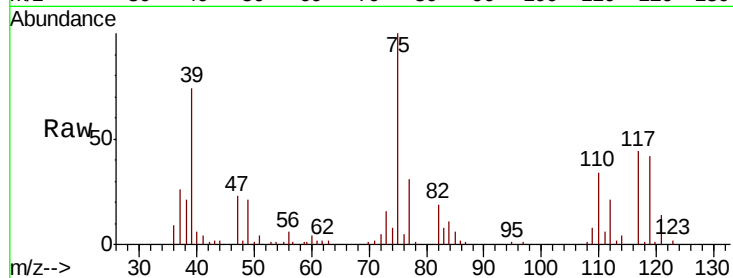
Tot Ion: 75 Resp: 75135

Ion Ratio Lower Upper

75 100

110 33.2 0.0 67.6

77 30.4 0.0 60.2



#30

2-Butanone

Concen: 132.703 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

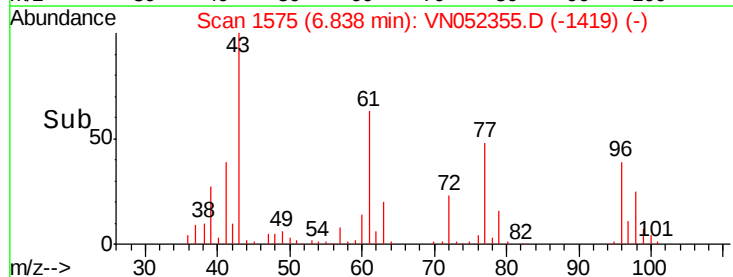
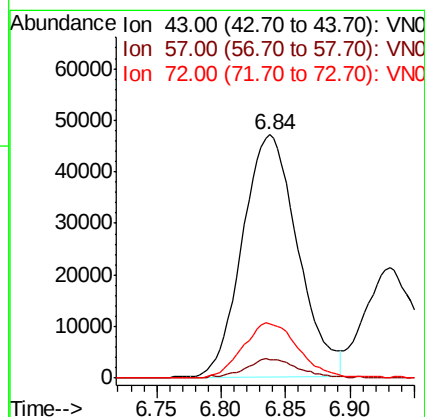
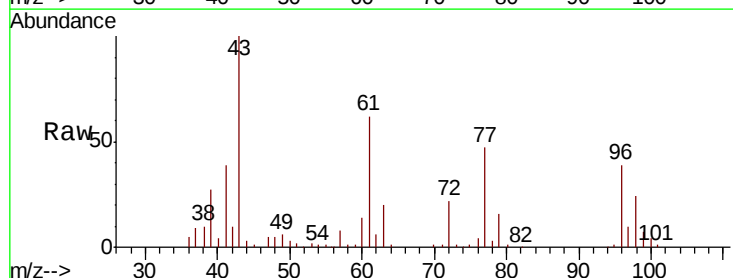
Tgt Ion: 43 Resp: 139931

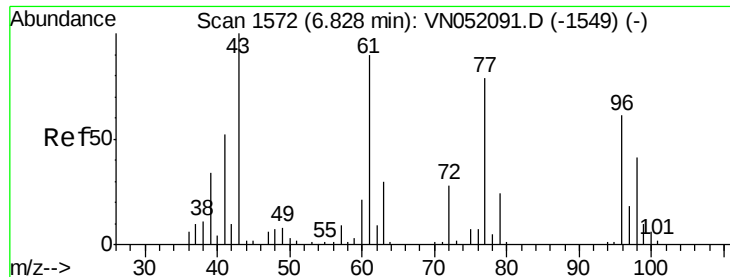
Ion Ratio Lower Upper

43 100

57 7.5 6.6 9.8

72 22.9 9.2 13.8#





#31

2,2-Dichloropropane

Concen: 19.745 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

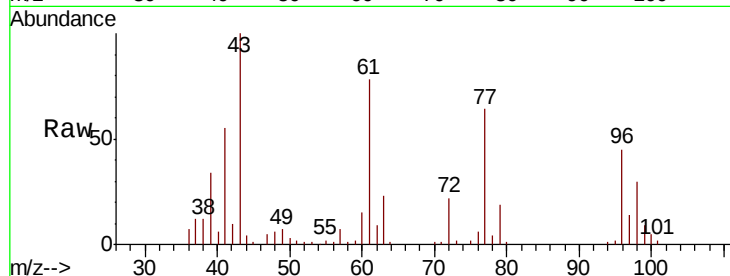
VN1116WBS01

Tot Ion: 77 Resp: 80536

Ion Ratio Lower Upper

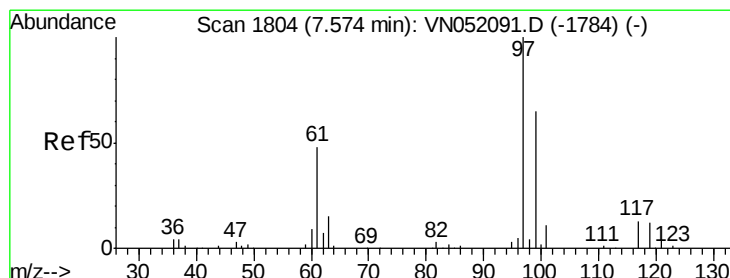
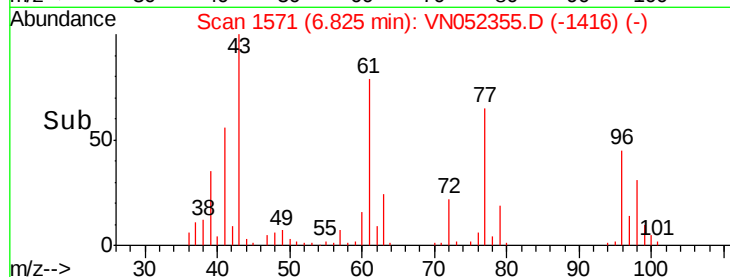
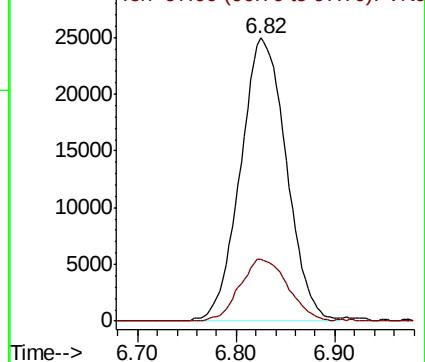
77 100

97 22.8 18.2 27.2



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.140 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

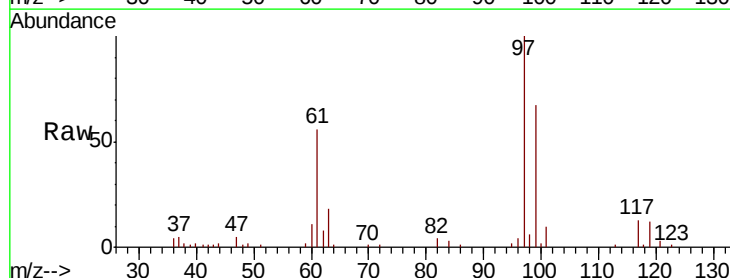
Tgt Ion: 97 Resp: 84797

Ion Ratio Lower Upper

97 100

99 65.8 51.7 77.5

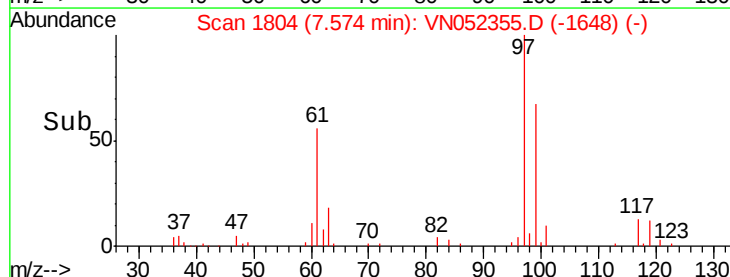
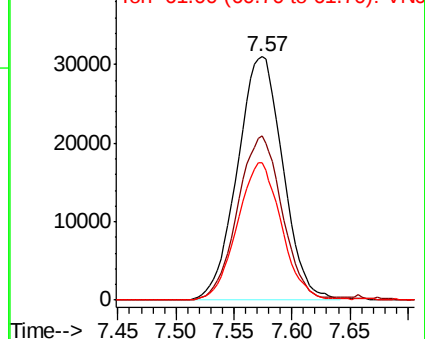
61 54.8 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

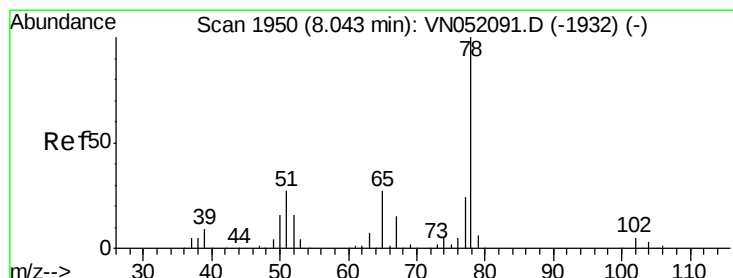
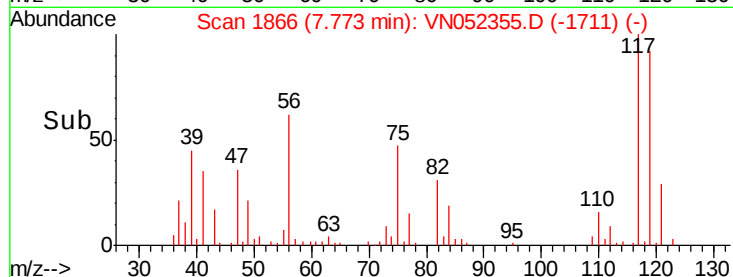
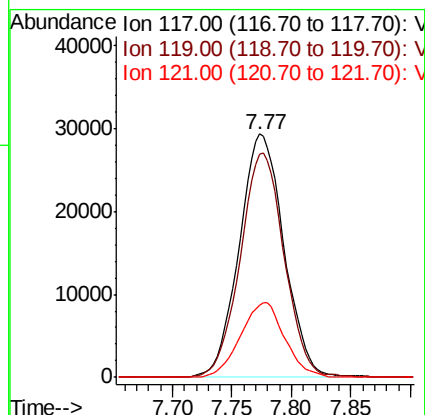
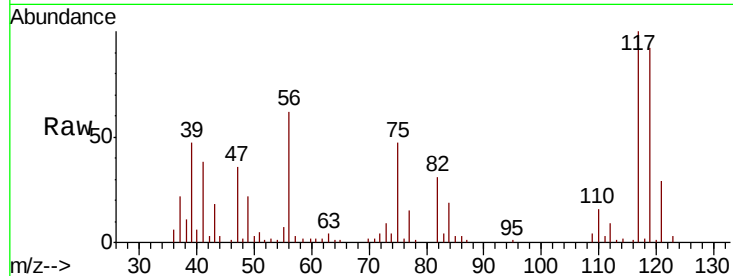




#33
Carbon Tetrachloride
Concen: 19.366 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

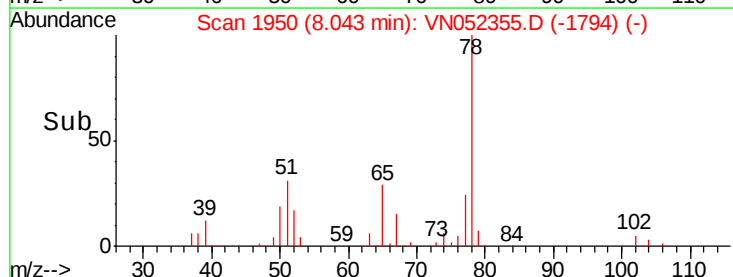
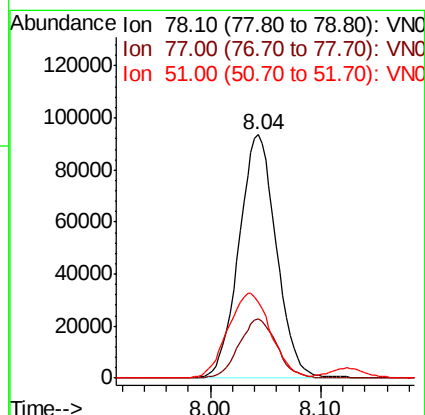
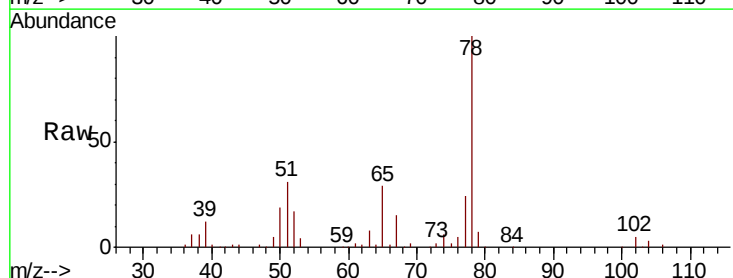
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

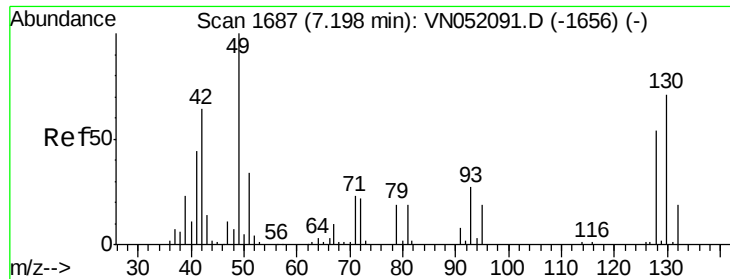
Tot Ion:117 Resp: 76302
Ion Ratio Lower Upper
117 100
119 91.6 74.7 112.1
121 29.4 23.4 35.0



#34
Benzene
Concen: 18.971 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 78 Resp: 219943
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7
51 30.8 21.2 31.8

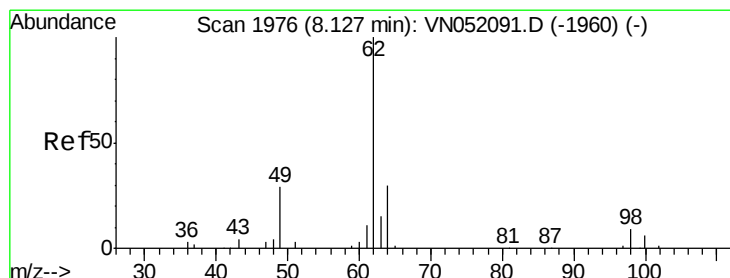
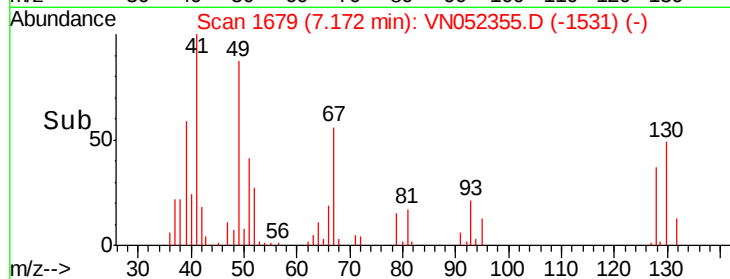
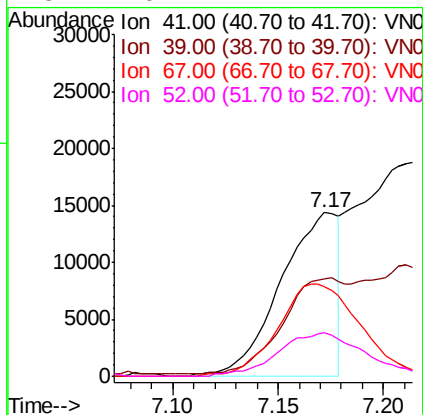
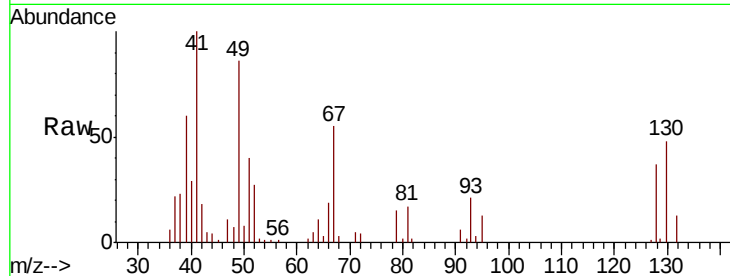




#35
Methacrylonitrile
Concen: 18.862 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

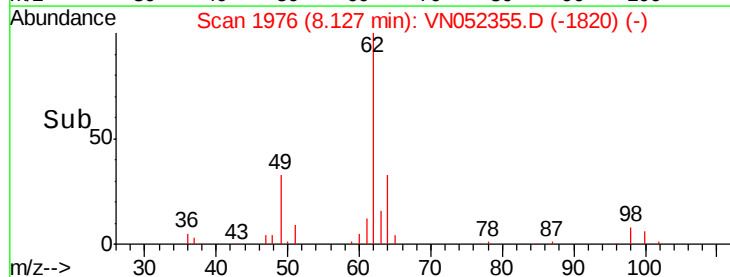
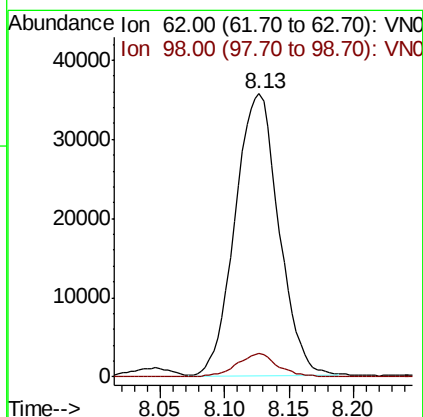
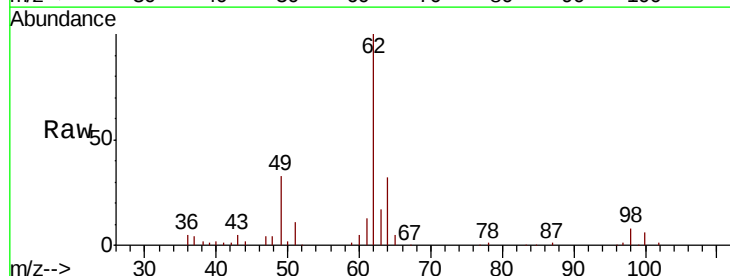
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

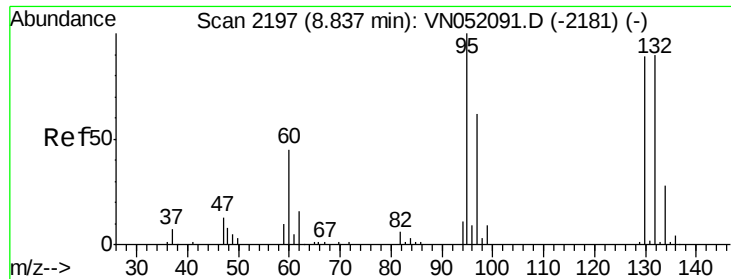
Tot Ion: 41 Resp: 27280
Ion Ratio Lower Upper
41 100
39 58.2 26.1 78.3
67 54.9 11.0 33.0#
52 26.7 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 21.647 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 62 Resp: 83912
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

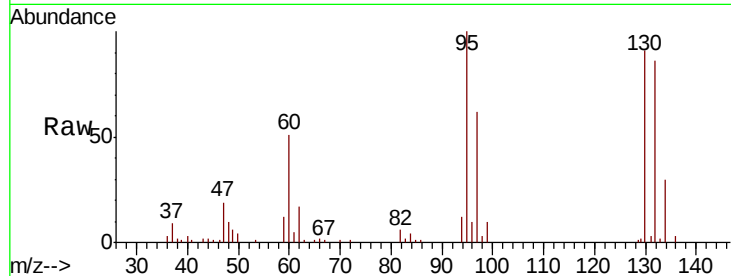




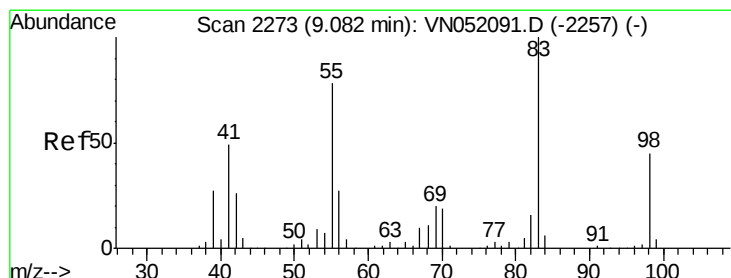
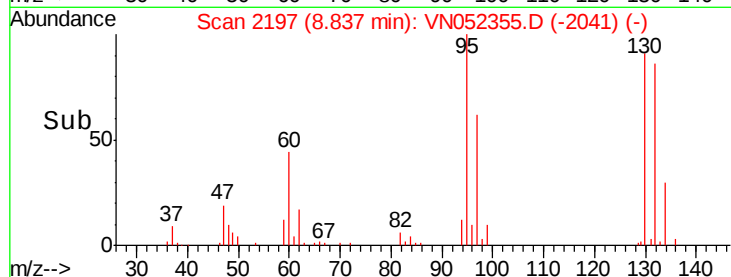
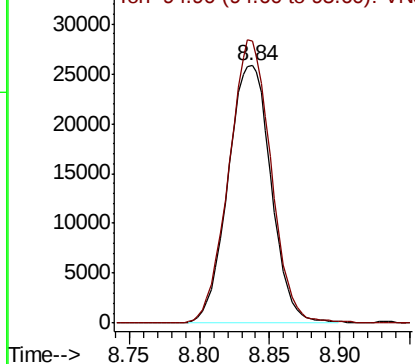
#37
 Trichloroethene
 Concen: 19.026 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion:130 Resp: 55209
 Ion Ratio Lower Upper
 130 100
 95 109.1 89.9 134.9

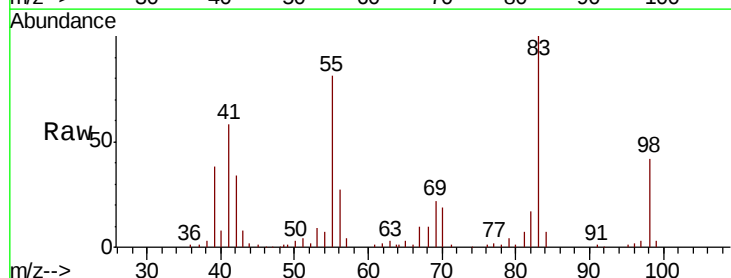


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

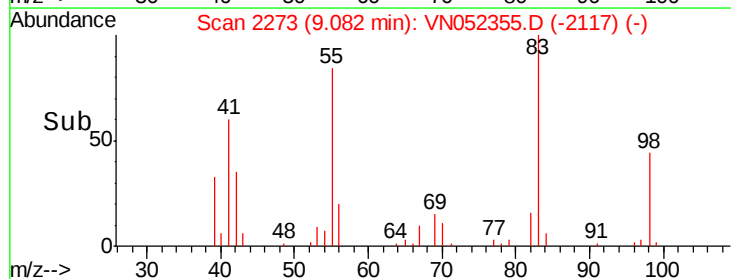
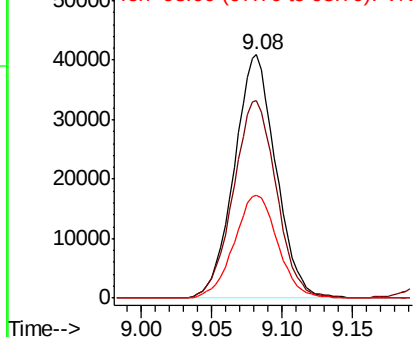


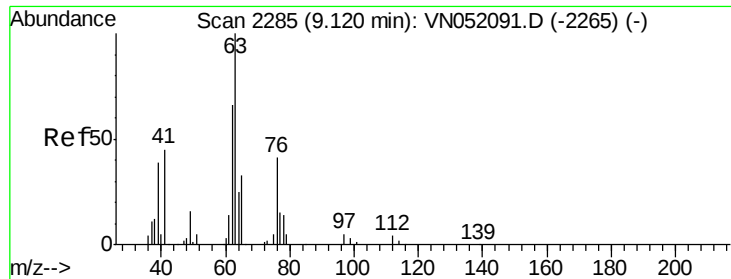
#38
 Methylcyclohexane
 Concen: 17.503 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 83 Resp: 84541
 Ion Ratio Lower Upper
 83 100
 55 83.8 38.5 115.3
 98 44.0 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

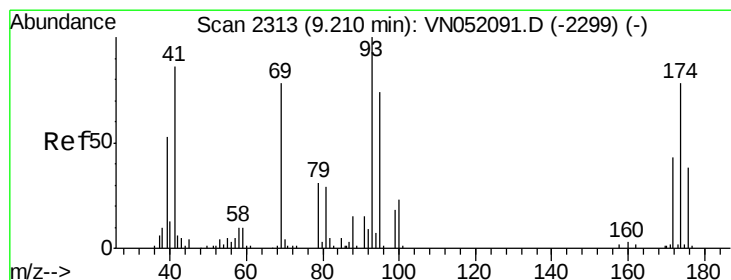
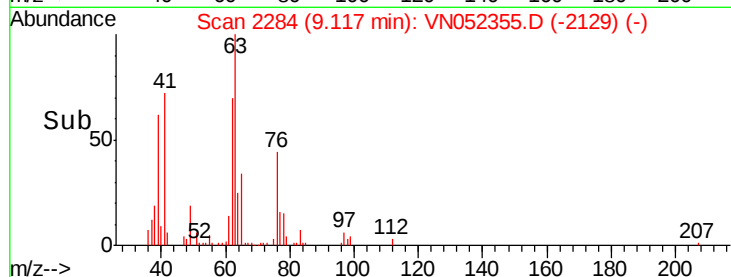
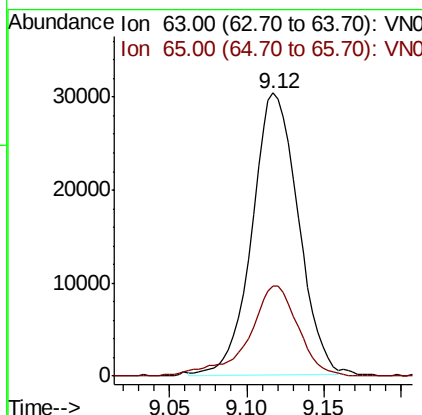
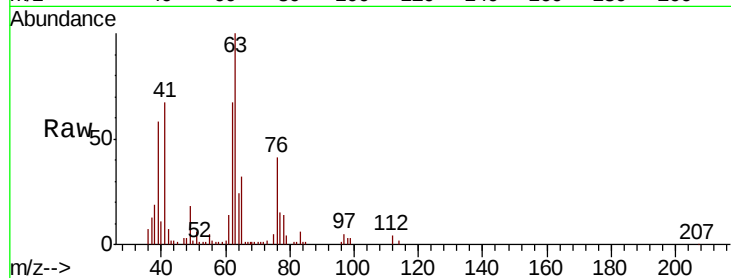




#39
 1,2-Dichloropropane
 Concen: 20.481 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

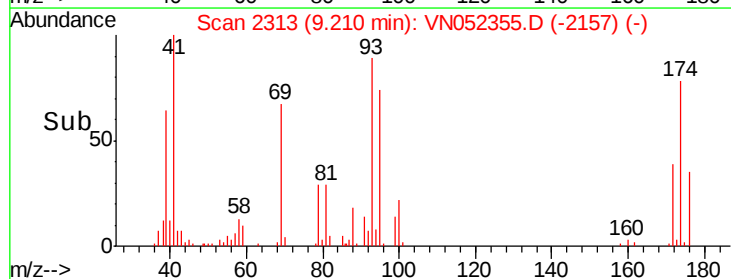
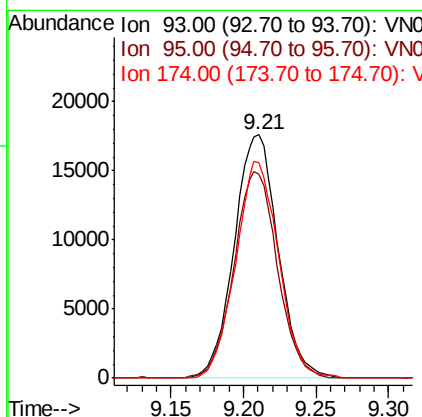
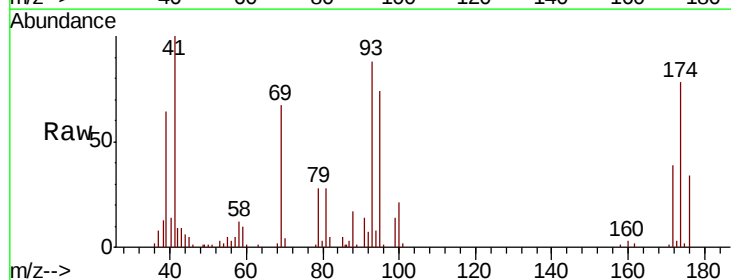
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

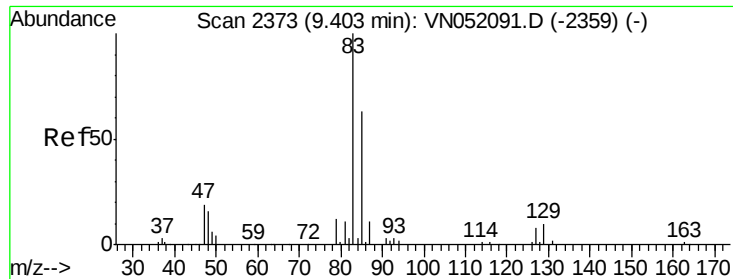
Tot Ion: 63 Resp: 63210
 Ion Ratio Lower Upper
 63 100
 65 31.0 27.3 40.9



#40
 Dibromomethane
 Concen: 19.458 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 93 Resp: 37015
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 161.2
 174 87.2 0.0 165.0





#41

Bromodichloromethane

Concen: 20.378 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

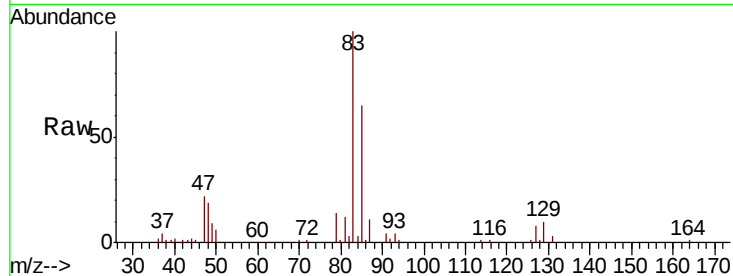
Tot Ion: 83 Resp: 79315

Ion Ratio Lower Upper

83 100

85 64.9 50.2 75.2

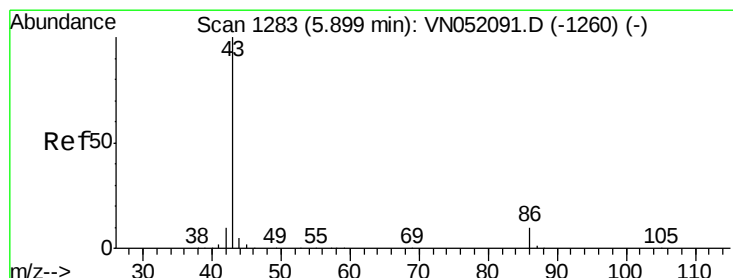
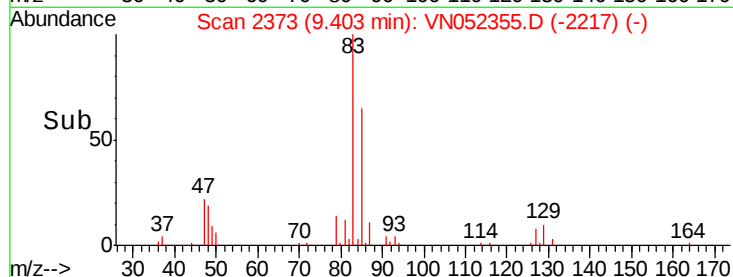
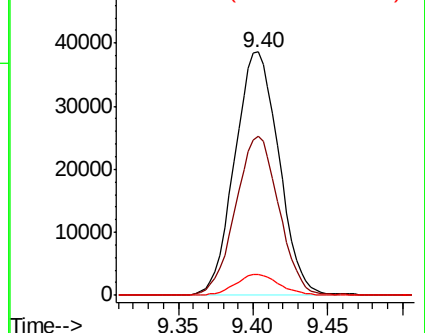
127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN052091.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN052091.D (-2359) (-)



#42

Vinyl Acetate

Concen: 111.708 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052355.D

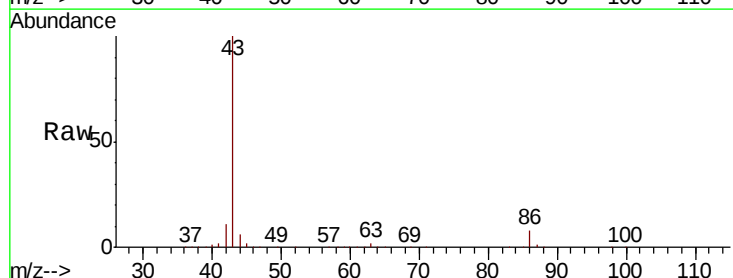
Acq: 16 Nov 2018 11:01

Tgt Ion: 43 Resp: 689584

Ion Ratio Lower Upper

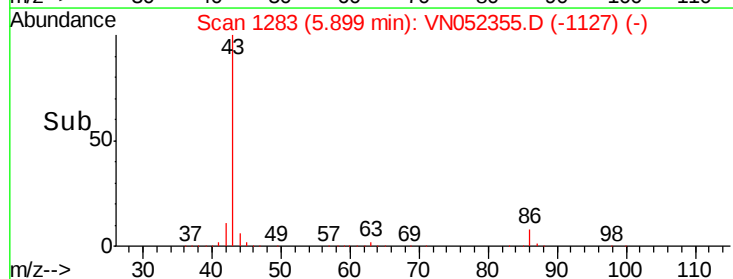
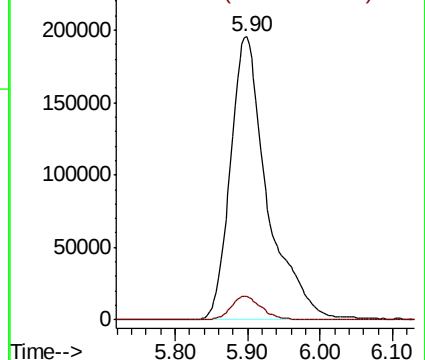
43 100

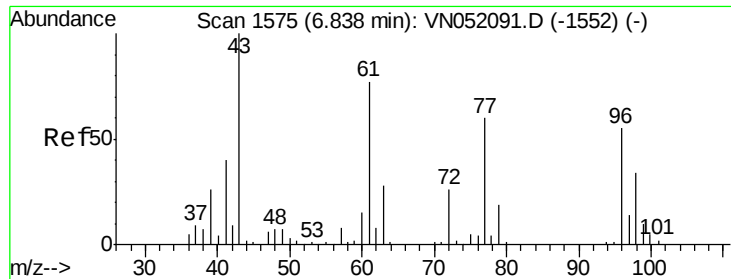
86 7.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN052091.D (-1260) (-)

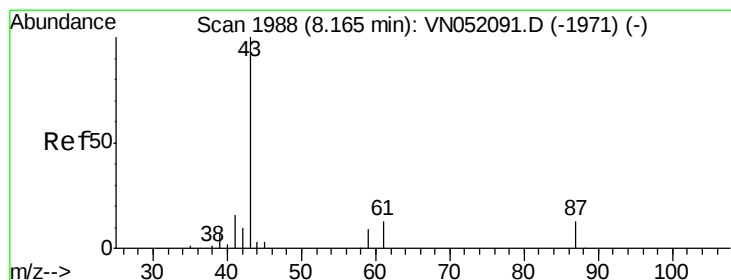
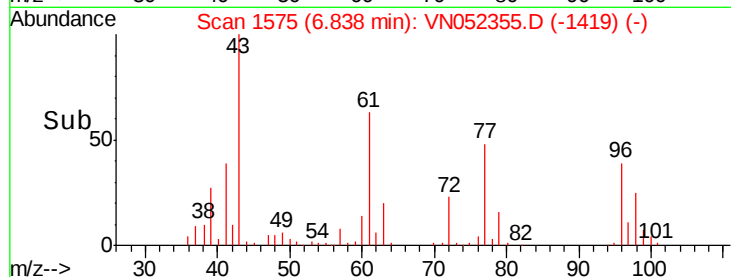
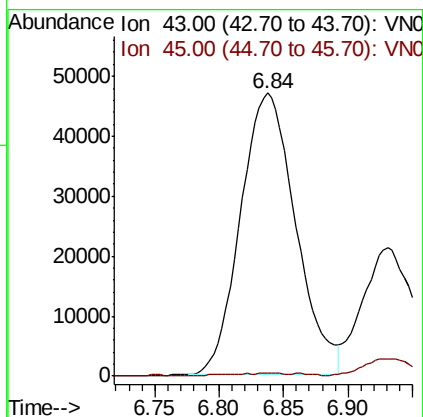
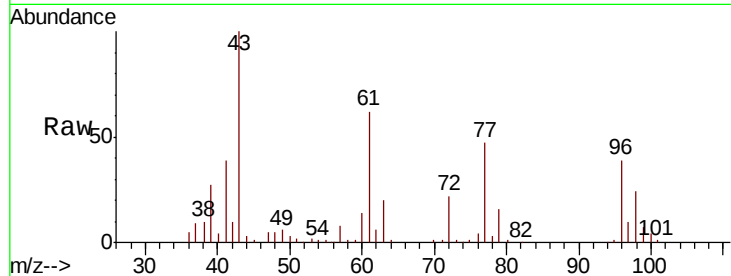




#43
Ethyl Acetate
Concen: 26.406 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

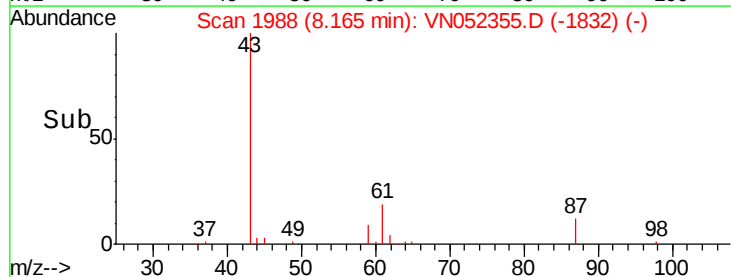
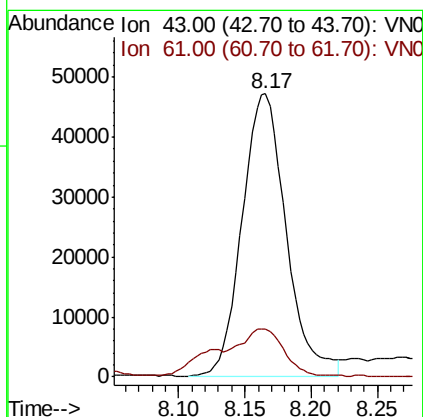
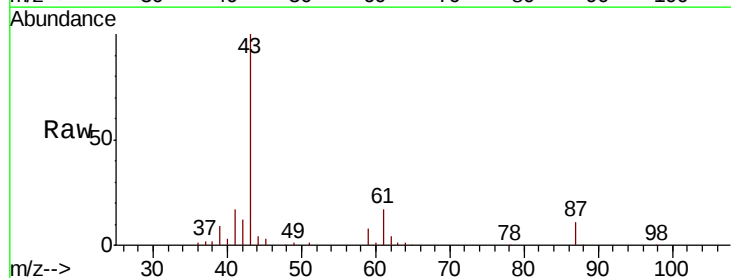
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS01

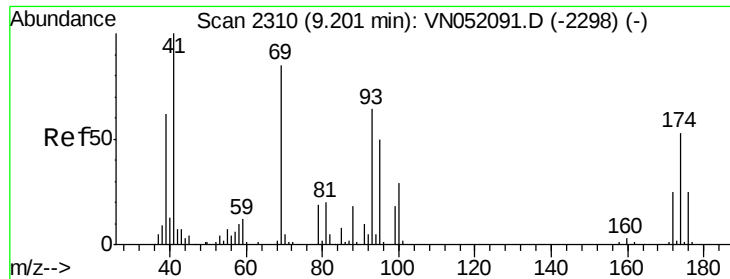
Tot Ion: 43 Resp: 139931
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#



#44
Isopropyl Acetate
Concen: 24.707 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 43 Resp: 108401
Ion Ratio Lower Upper
43 100
61 13.8 16.2 24.2#

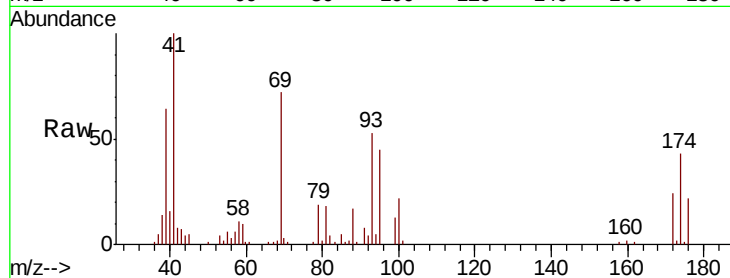




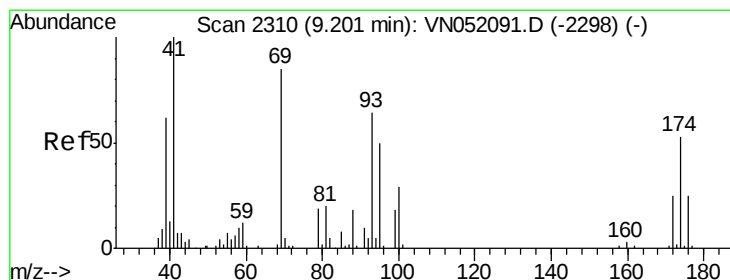
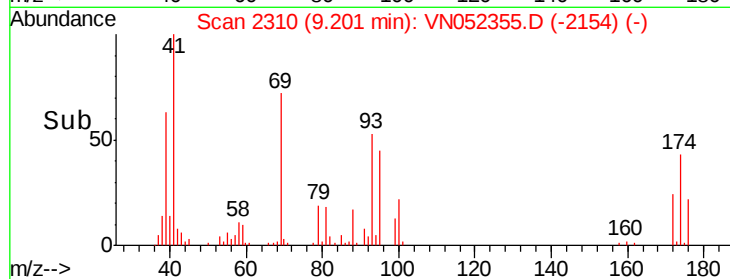
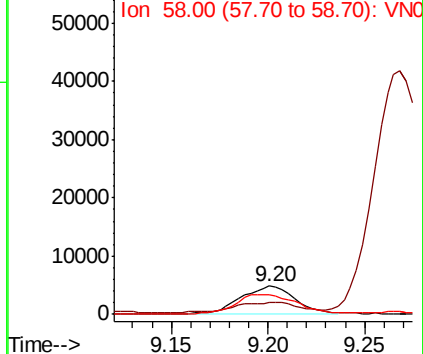
#45
 1,4-Dioxane
 Concen: 482.680 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion: 88 Resp: 9661
 Ion Ratio Lower Upper
 88 100
 43 35.8 28.6 43.0
 58 76.9 37.8 56.8#

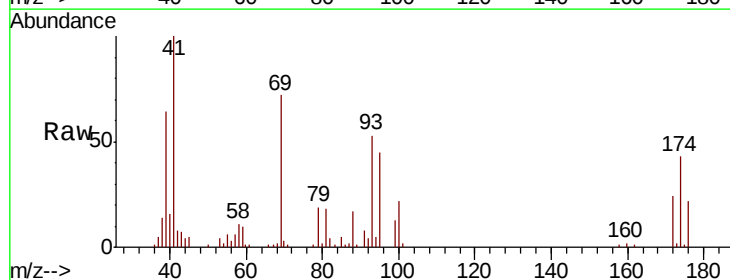


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

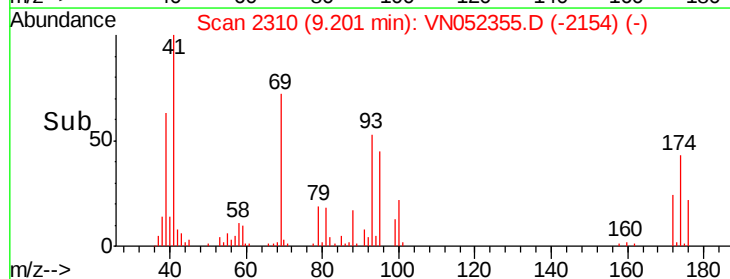
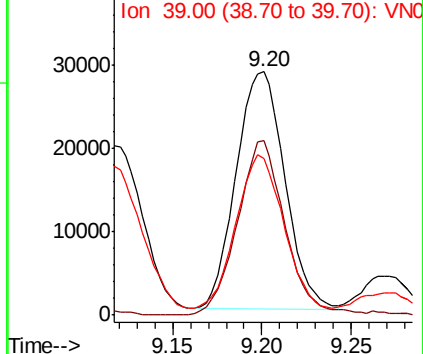


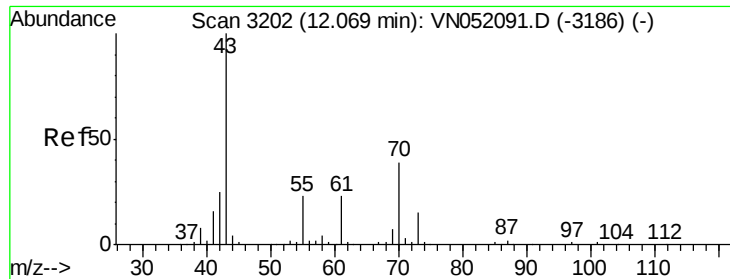
#46
 Methyl methacrylate
 Concen: 24.973 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 41 Resp: 54541
 Ion Ratio Lower Upper
 41 100
 69 73.7 42.5 127.6
 39 63.6 31.1 93.3



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





#47

n-amvl Acetate

Concen: 22.726 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

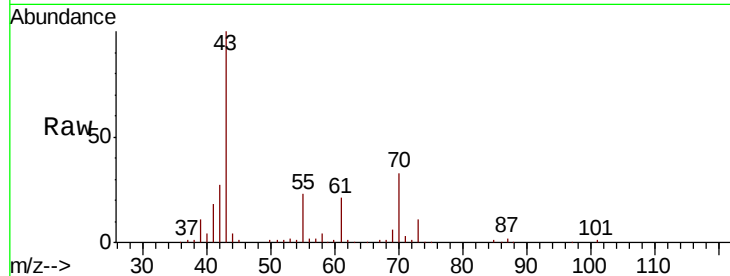
VN1116WBS01

Tot Ion: 43 Resp: 90384

Ion Ratio Lower Upper

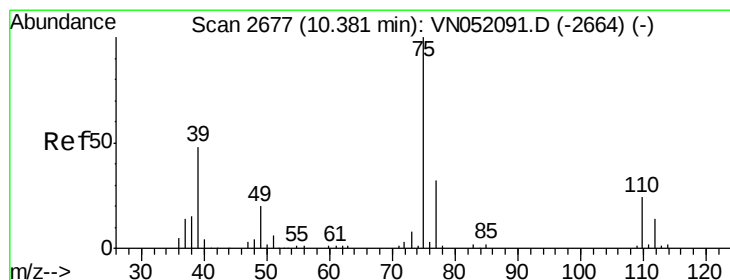
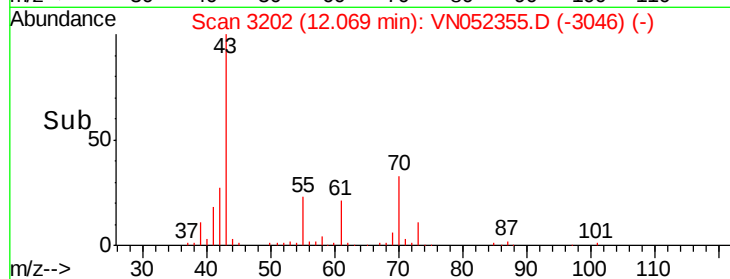
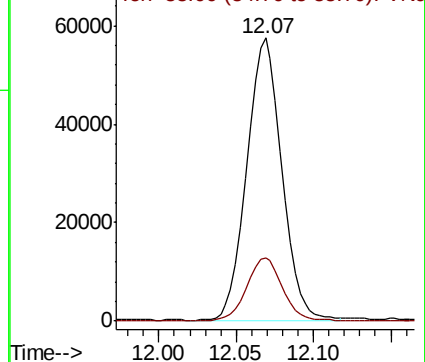
43 100

55 23.1 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.063 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052355.D

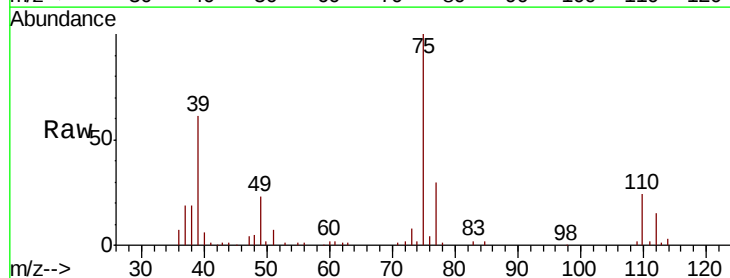
Acq: 16 Nov 2018 11:01

Tgt Ion: 75 Resp: 77541

Ion Ratio Lower Upper

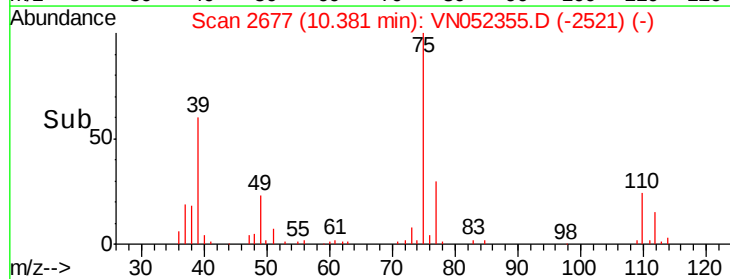
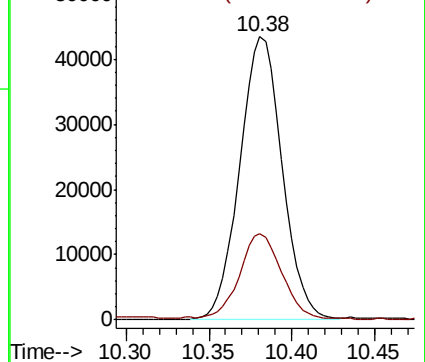
75 100

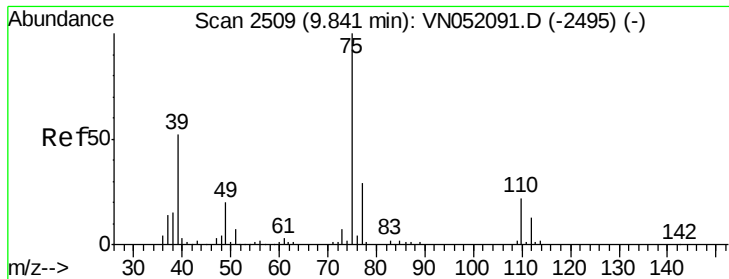
77 29.7 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



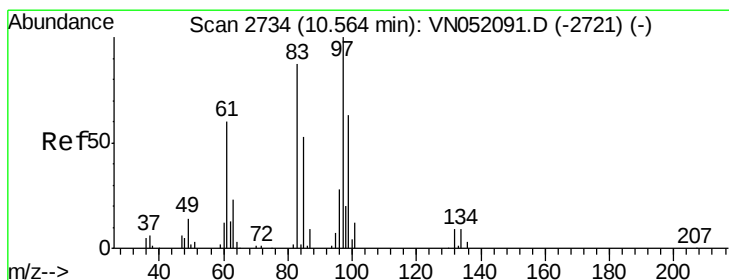
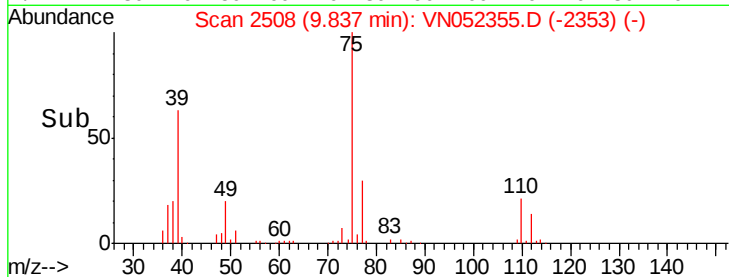
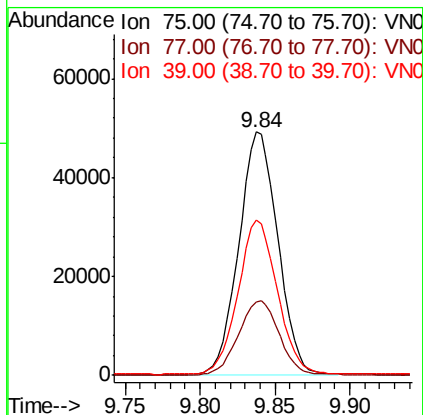
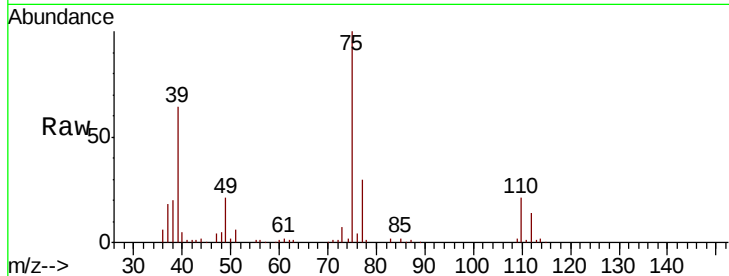


#49

cis-1,3-Dichloropropene
 Concen: 20.101 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

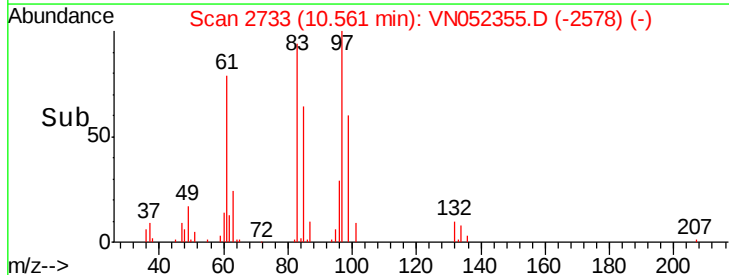
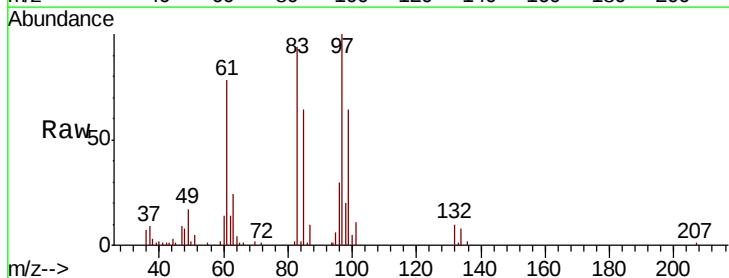
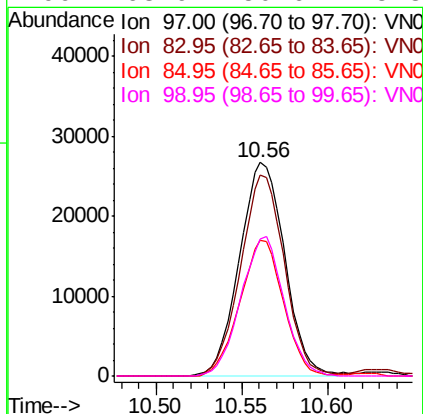
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	23.3	34.9
39	63.4	41.6	62.4

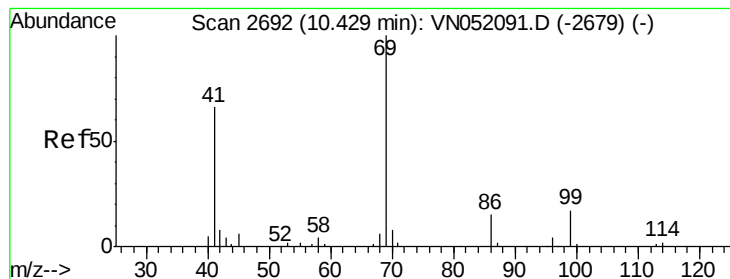


#50

1,1,2-Trichloroethane
 Concen: 19.436 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.8	69.4	104.0
85	63.6	42.7	64.1
99	63.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.045 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VN1116WBS01

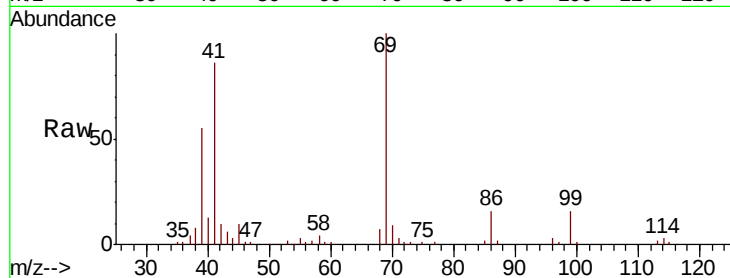
Tot Ion: 69 Resp: 65166

Ion Ratio Lower Upper

69 100

41 85.2 33.0 99.0

39 53.2 20.7 62.1

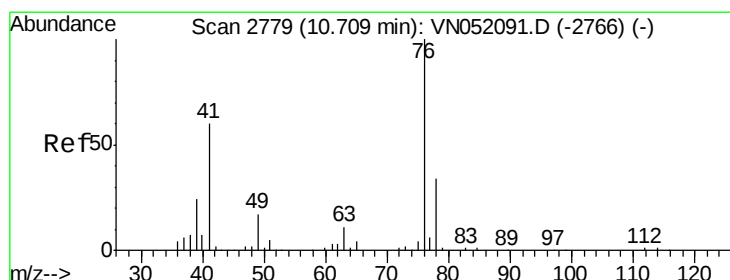
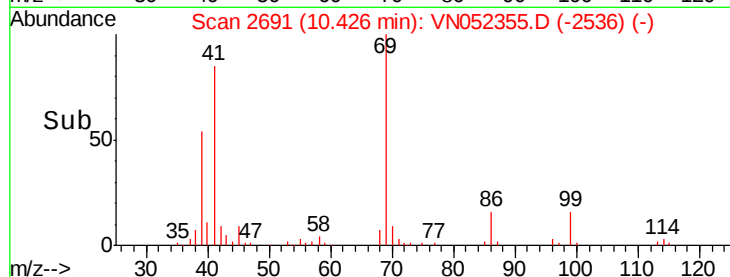
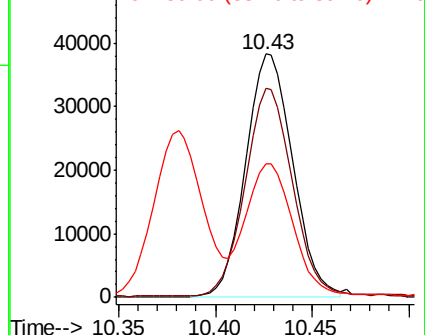


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.125 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052355.D

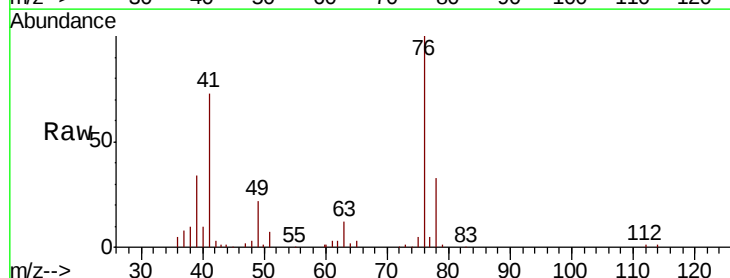
Acq: 16 Nov 2018 11:01

Tgt Ion: 76 Resp: 88179

Ion Ratio Lower Upper

76 100

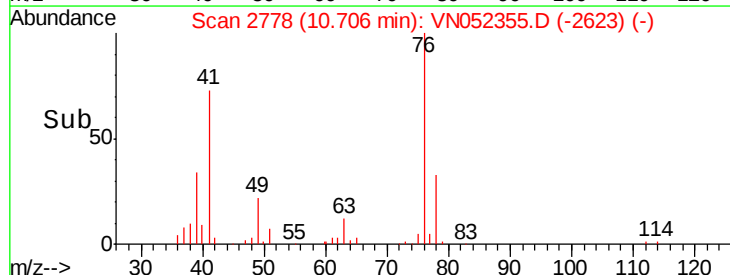
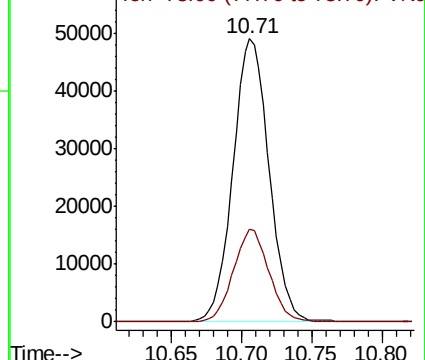
78 32.0 0.0 65.0

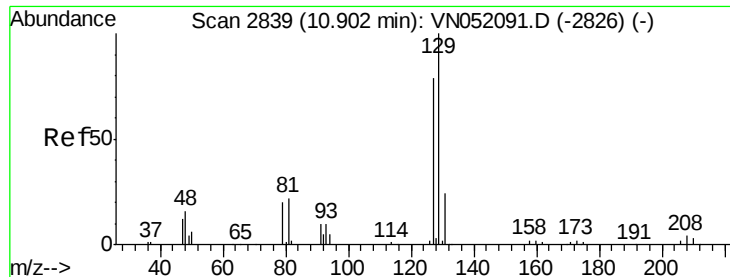


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.700 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

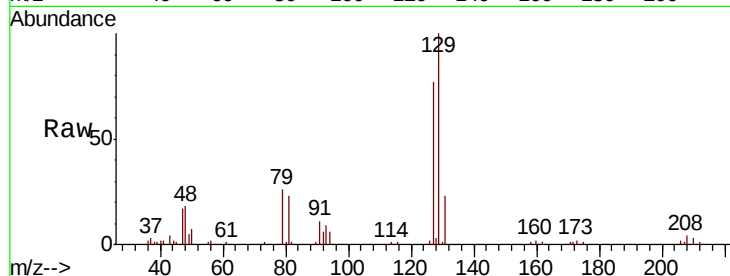
VN1116WBS01

Tot Ion:129 Resp: 53498

Ion Ratio Lower Upper

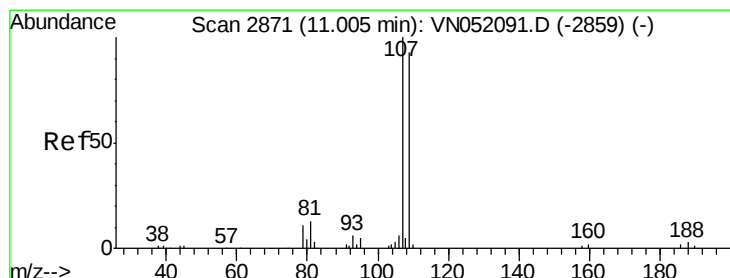
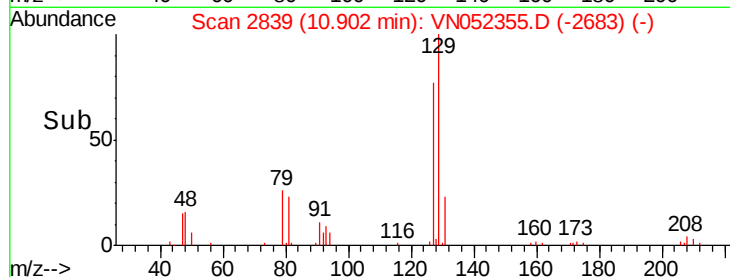
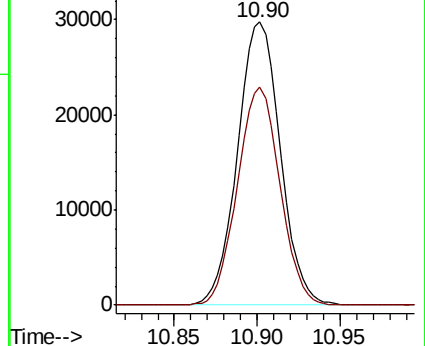
129 100

127 76.3 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.969 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052355.D

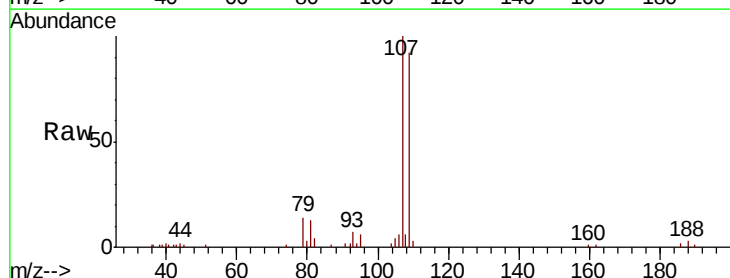
Acq: 16 Nov 2018 11:01

Tgt Ion:107 Resp: 48388

Ion Ratio Lower Upper

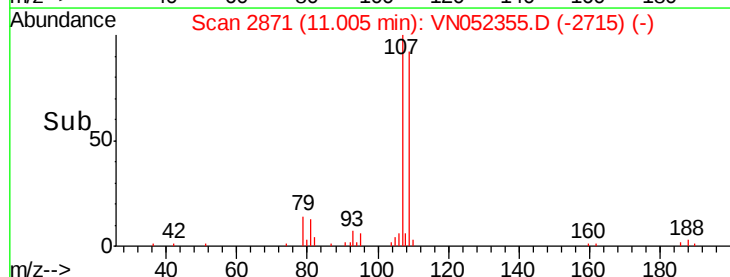
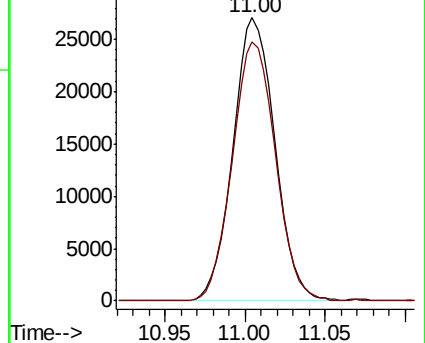
107 100

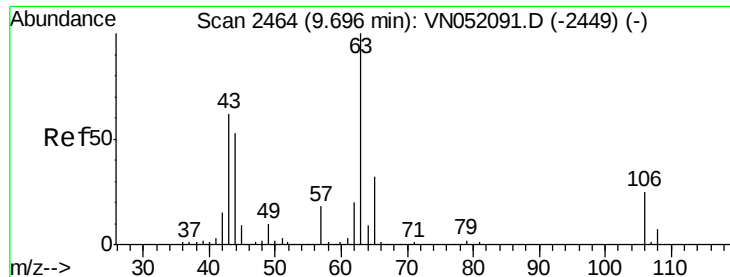
109 93.8 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

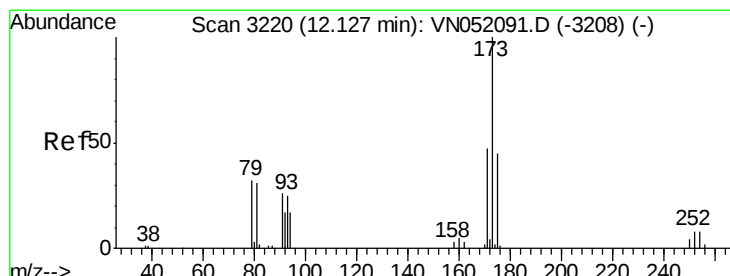
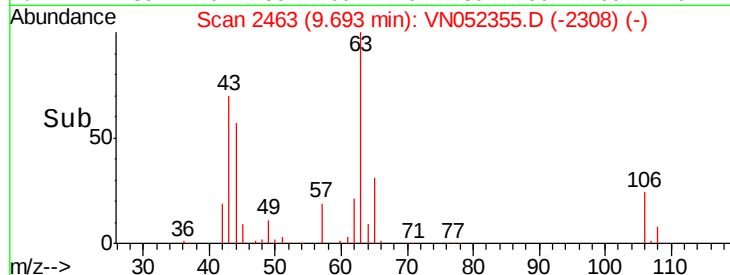
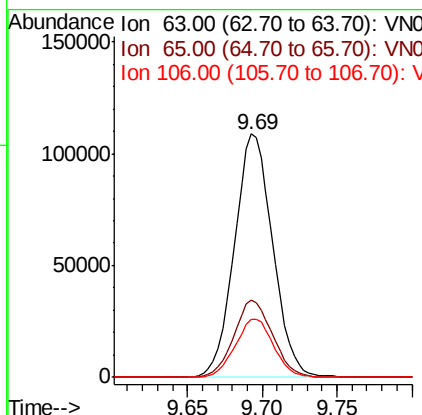
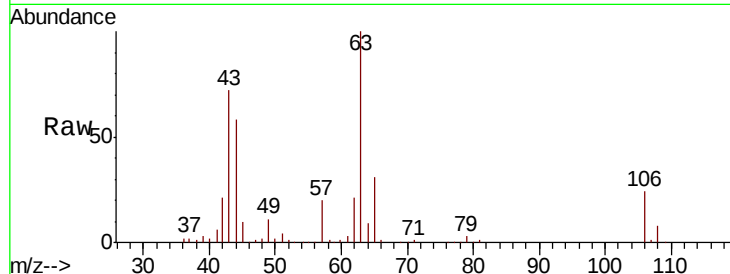




#55
2-Chloroethyl vinyl ether
Concen: 108.792 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

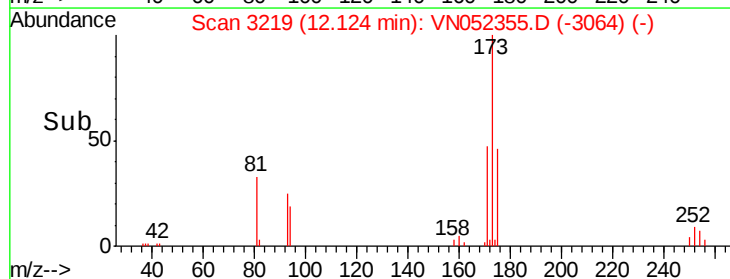
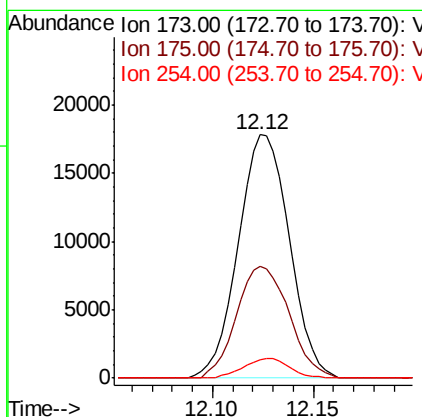
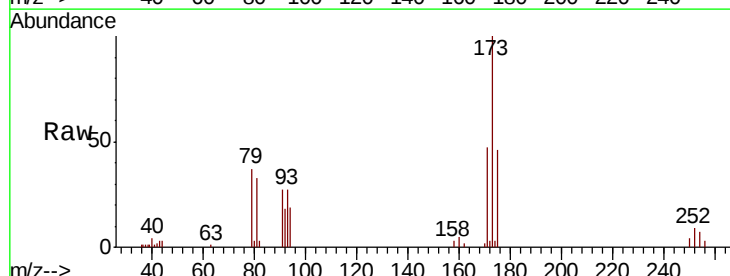
Instrument :
MSVOA_N
ClientSampled :
VN1116WBS01

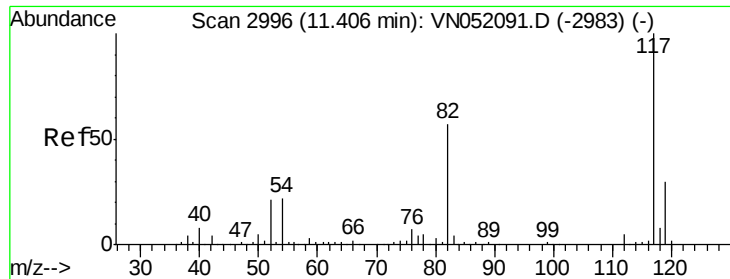
Tot Ion	63	Resp	193677
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.5	38.3
106	24.1	20.4	30.6



#56
Bromoform
Concen: 20.132 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	173	Resp	31577
Ion Ratio	Lower	Upper	
173	100		
175	47.1	37.3	55.9
254	7.2	7.0	10.6

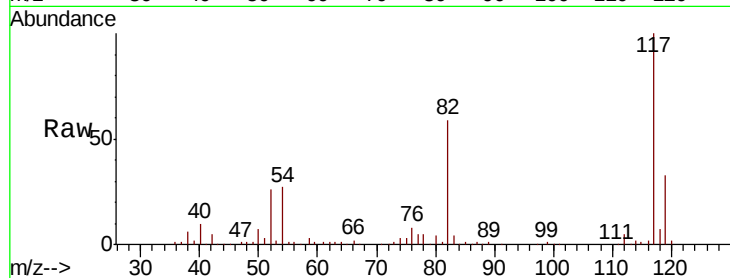




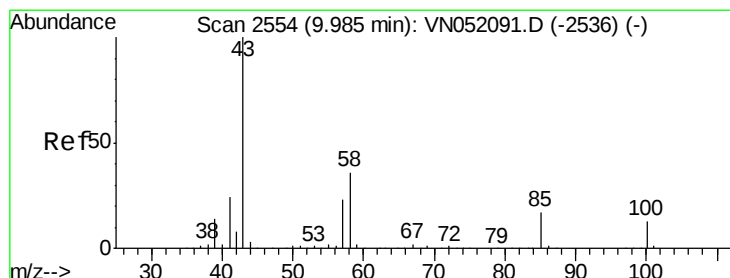
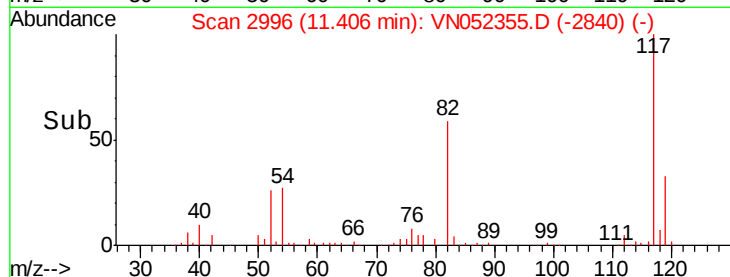
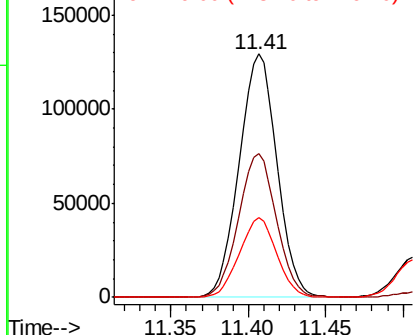
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion:117 Resp: 220557
Ion Ratio Lower Upper
117 100
82 59.2 45.0 67.6
119 32.2 24.2 36.4

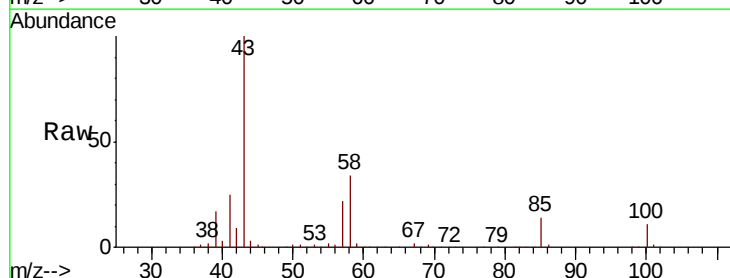


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

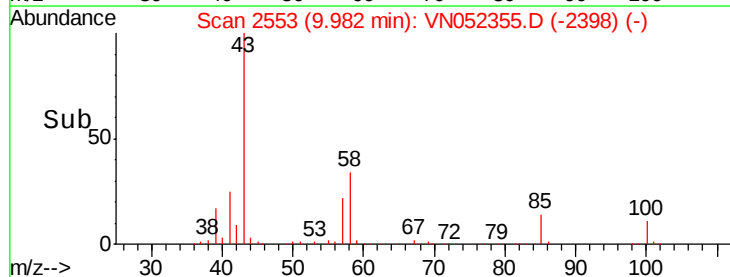
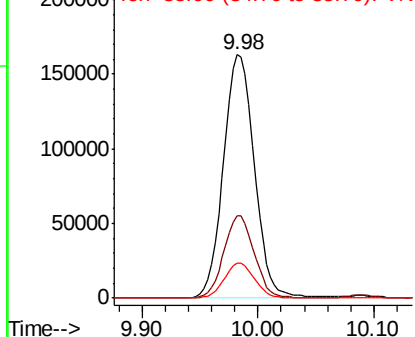


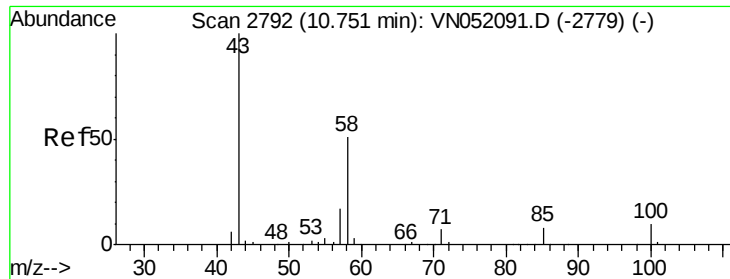
#58
4-Methyl-2-Pentanone
Concen: 126.529 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 43 Resp: 299037
Ion Ratio Lower Upper
43 100
58 33.6 29.0 43.6
85 14.2 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

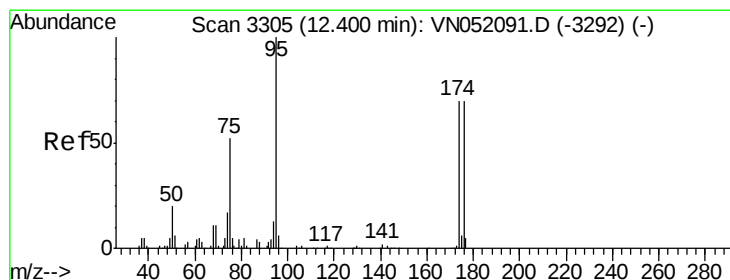
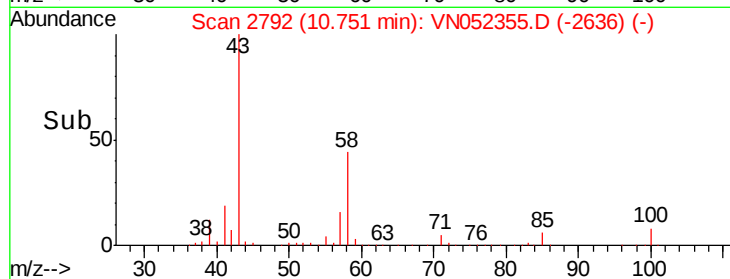
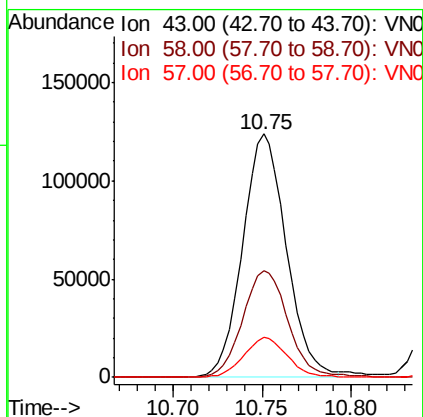
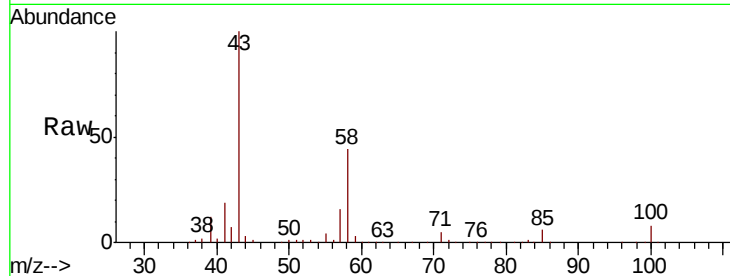




#59
2-Hexanone
Concen: 129.338 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

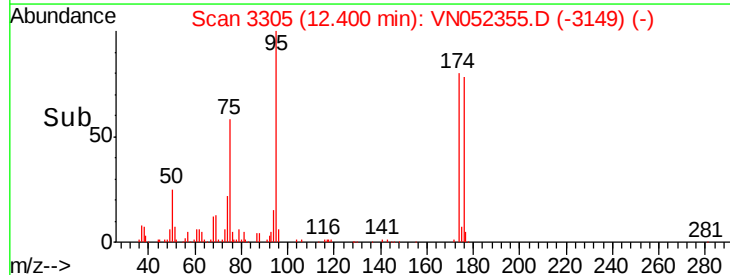
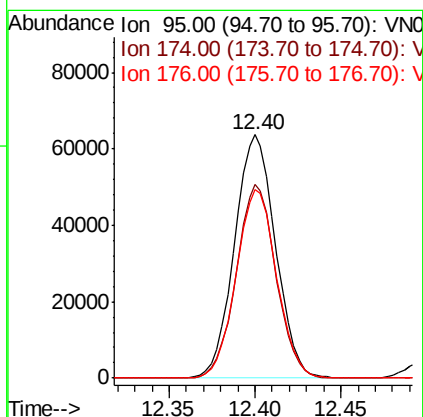
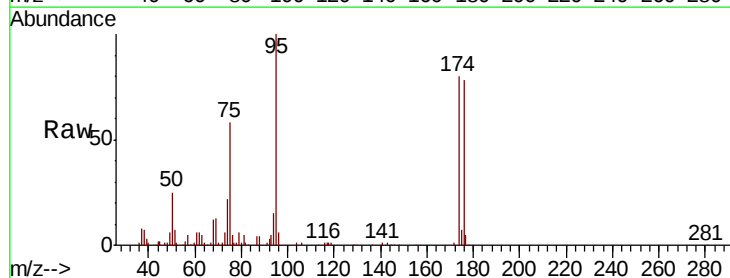
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

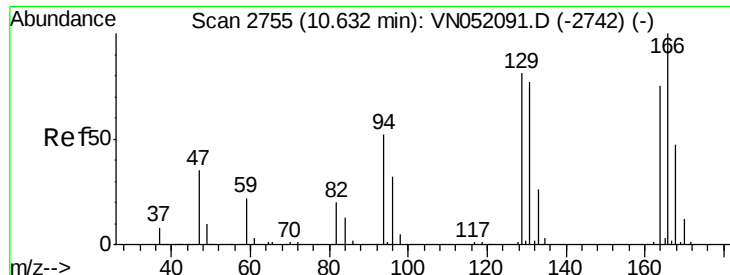
Tot Ion: 43 Resp: 210468
Ion Ratio Lower Upper
43 100
58 46.1 40.8 61.2
57 16.5 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 129.338 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 95 Resp: 105436
Ion Ratio Lower Upper
95 100
174 77.0 55.0 82.6
176 76.4 54.2 81.4





#61

Tetrachloroethene

Concen: 22.123 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion:164 Resp: 53066

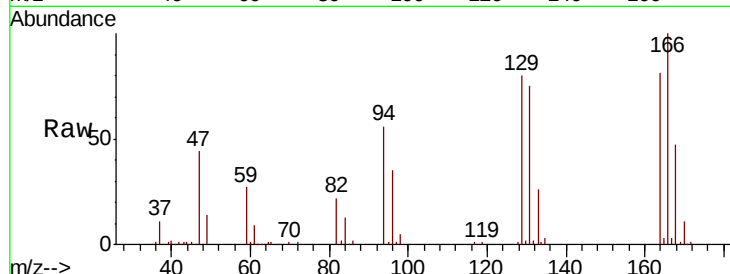
Ion Ratio Lower Upper

164 100

166 124.0 106.4 159.6

129 99.5 87.0 130.4

131 93.2 81.4 122.2



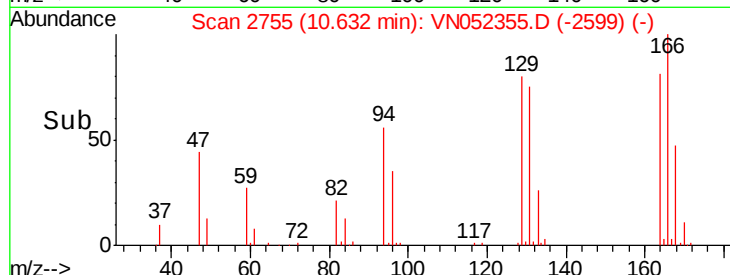
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



Abundance

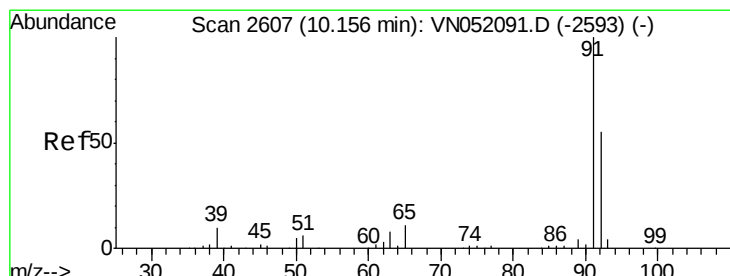
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



#62

Toluene

Concen: 19.269 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052355.D

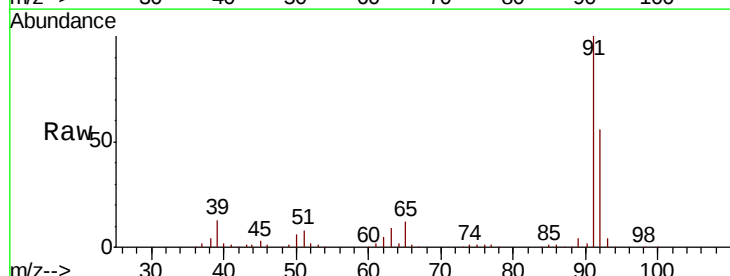
Acq: 16 Nov 2018 11:01

Tgt Ion: 91 Resp: 238569

Ion Ratio Lower Upper

91 100

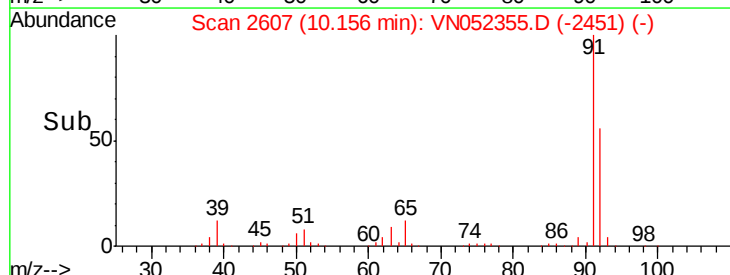
92 56.2 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Time-->

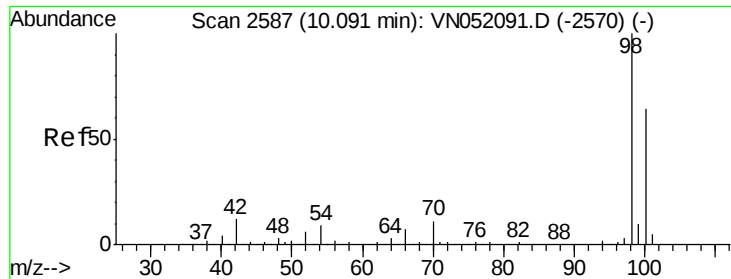


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Time-->



#63

Toluene-d8

Concen: 19.269 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

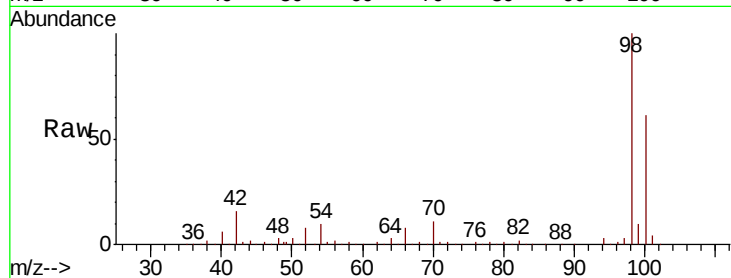
VN1116WBS01

Tot Ion: 98 Resp: 310724

Ion Ratio Lower Upper

98 100

100 62.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

200000

150000

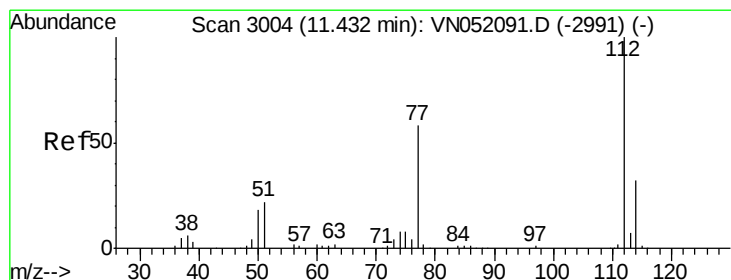
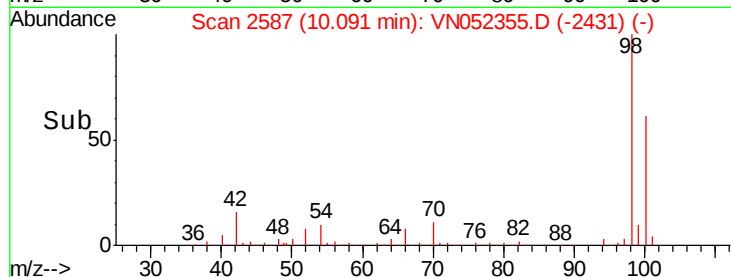
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 18.748 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052355.D

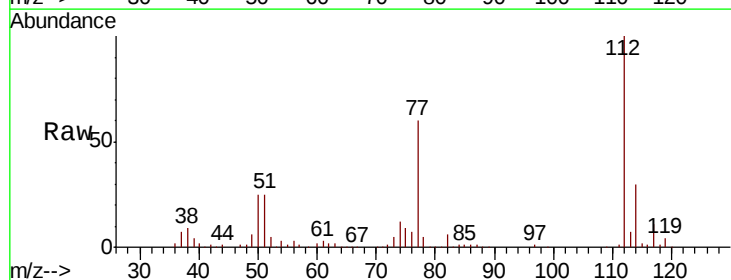
Acq: 16 Nov 2018 11:01

Tgt Ion: 112 Resp: 147115

Ion Ratio Lower Upper

112 100

114 30.3 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

100000

80000

60000

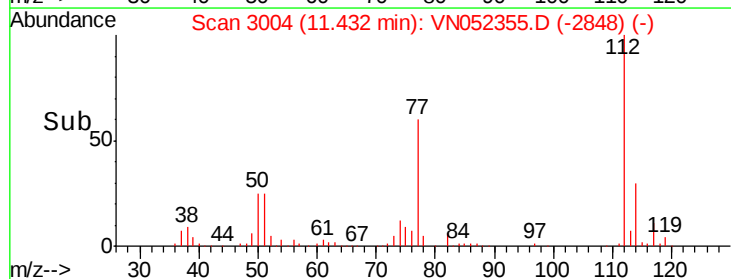
40000

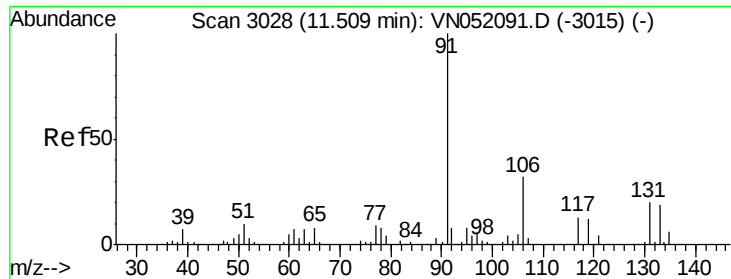
20000

0

11.35 11.40 11.45 11.50

Time-->

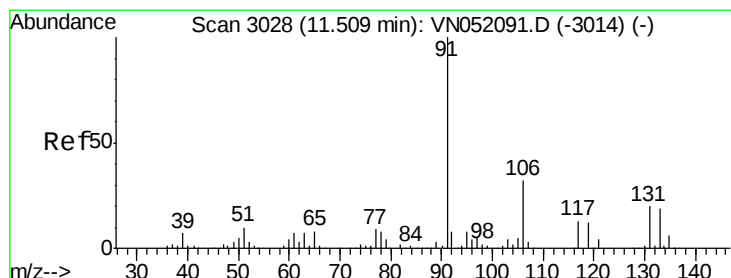
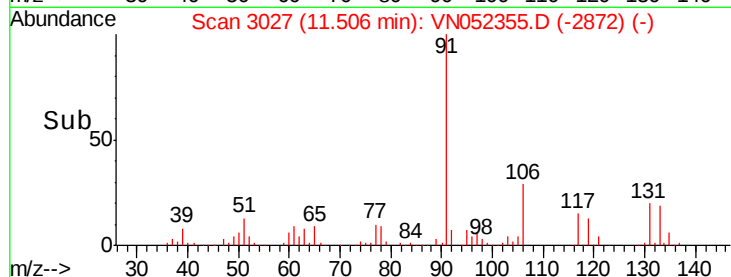
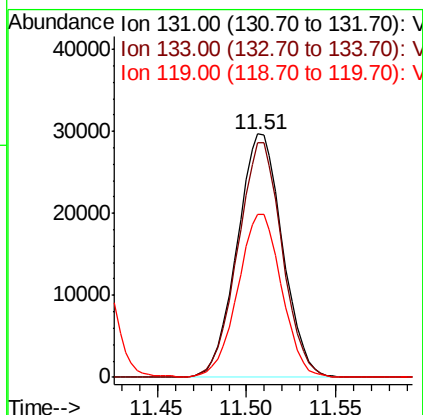
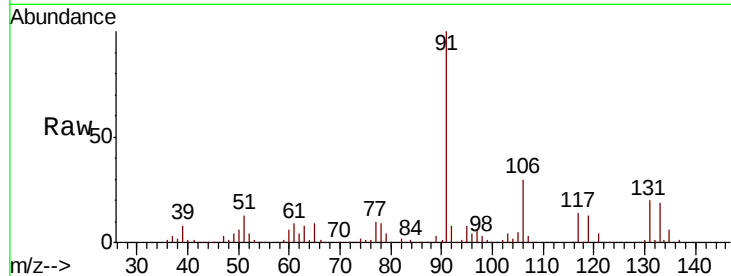




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.665 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

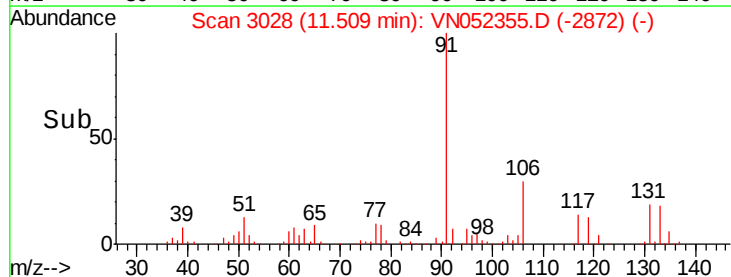
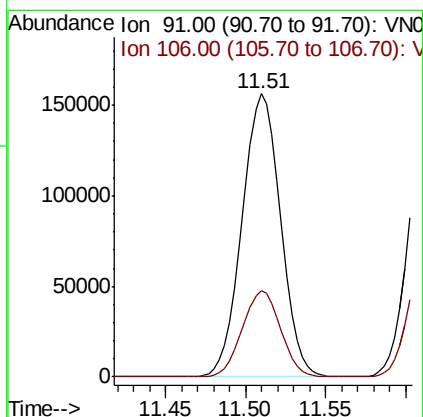
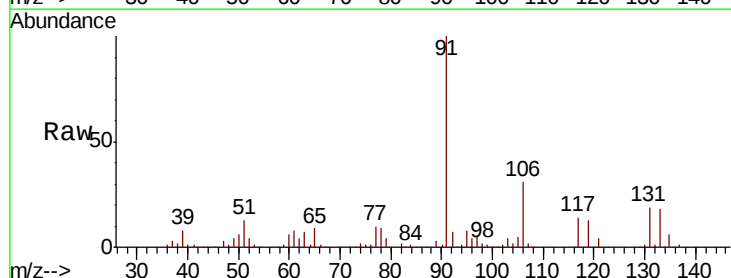
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

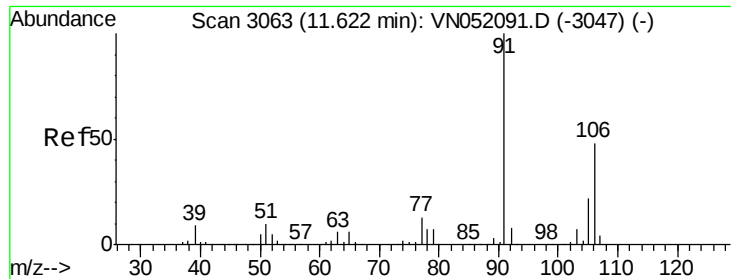
Tot Ion:131 Resp: 52520
 Ion Ratio Lower Upper
 131 100
 133 94.3 0.0 188.8
 119 64.7 0.0 131.4



#66
 Ethyl Benzene
 Concen: 19.182 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 91 Resp: 256538
 Ion Ratio Lower Upper
 91 100
 106 30.6 25.7 38.5





#67

m/p-Xylenes

Concen: 36.822 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

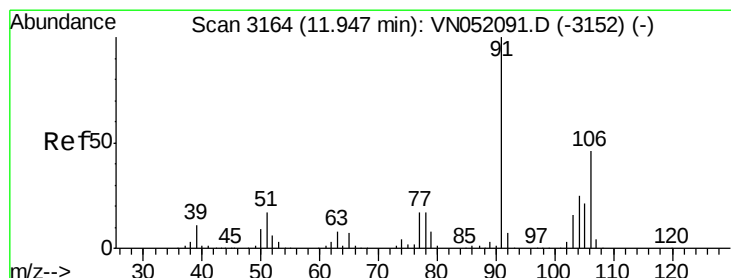
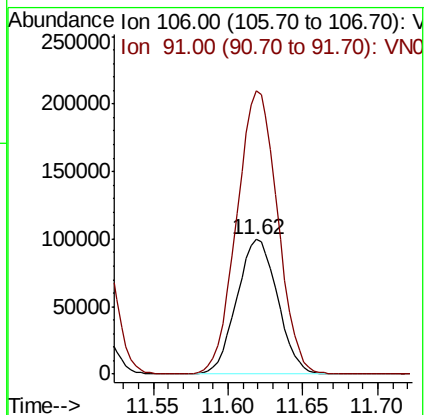
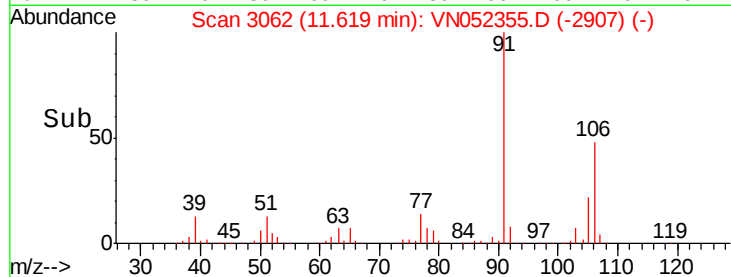
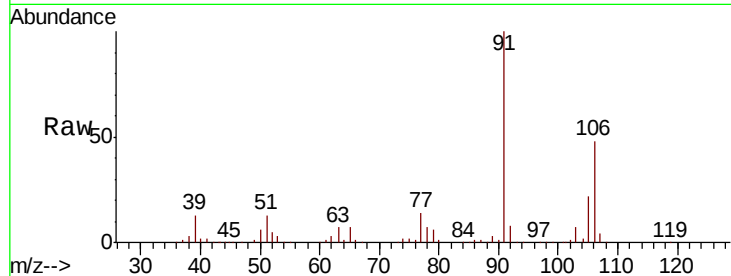
VN1116WBS01

Tot Ion:106 Resp: 189593

Ion Ratio Lower Upper

106 100

91 209.7 163.6 245.4



#68

o-Xylene

Concen: 18.933 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052355.D

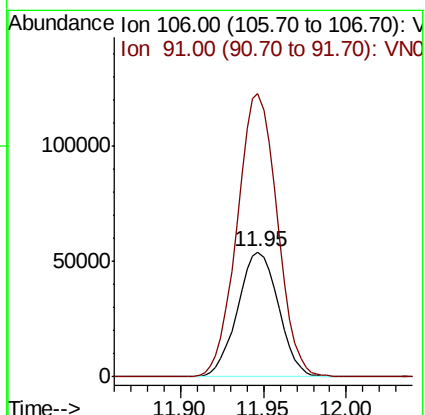
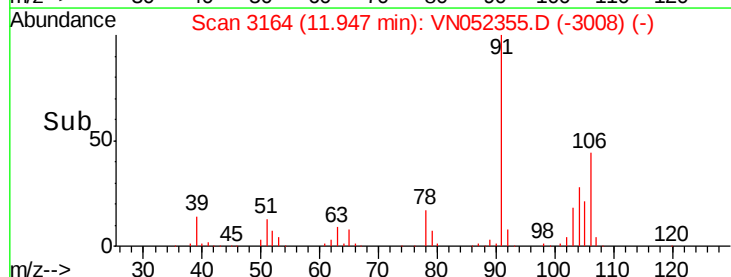
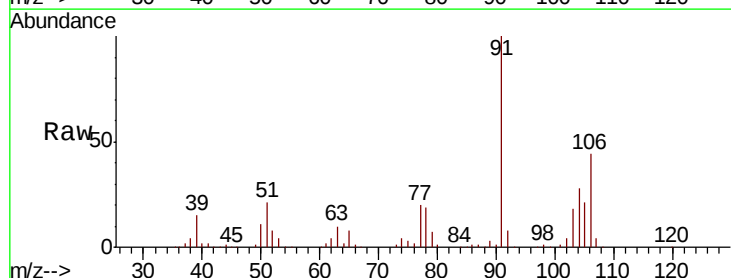
Acq: 16 Nov 2018 11:01

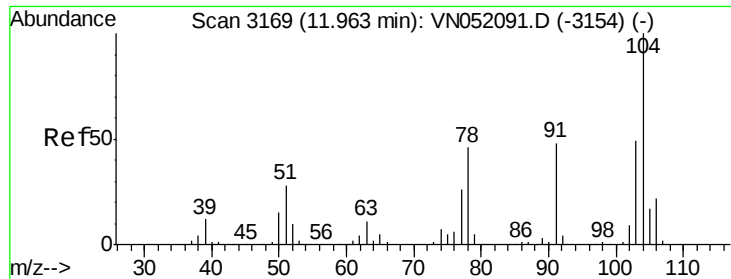
Tgt Ion:106 Resp: 92939

Ion Ratio Lower Upper

106 100

91 222.4 110.0 330.0

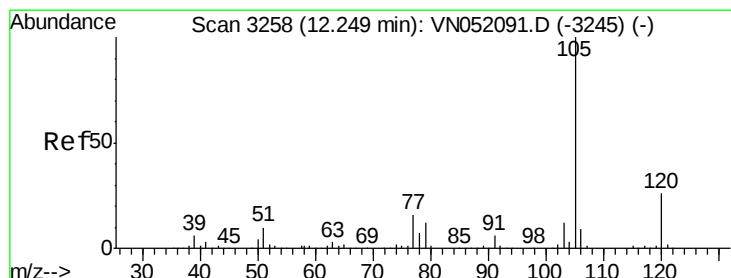
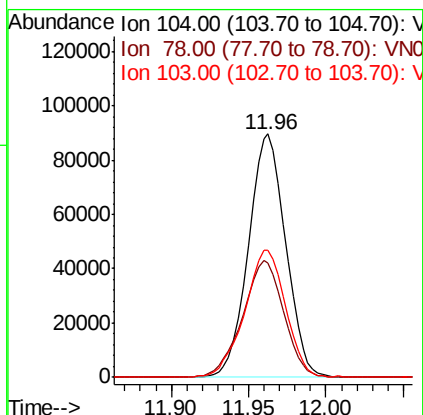
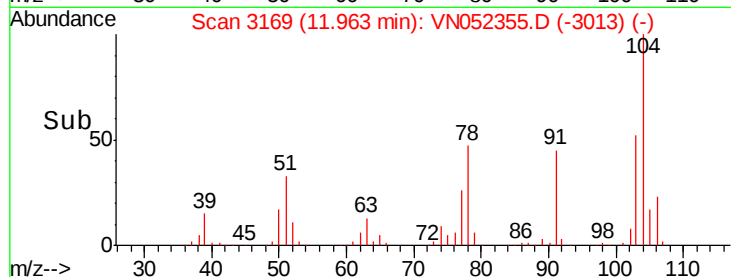
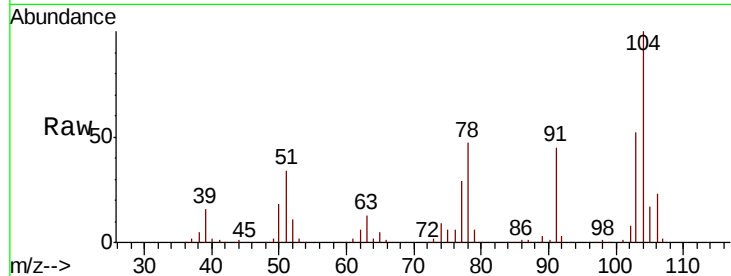




#69
Stvrene
Concen: 19.046 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

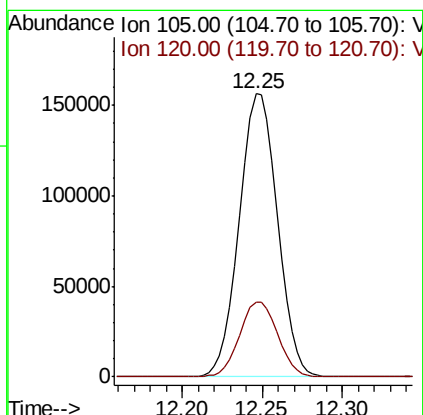
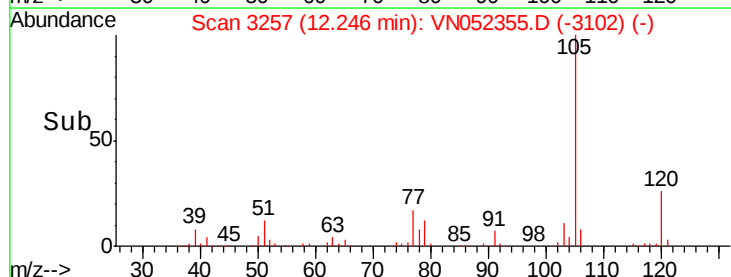
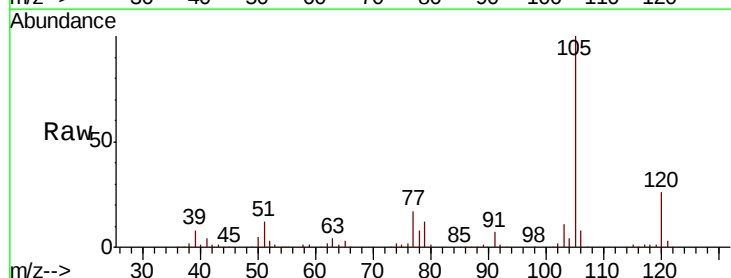
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

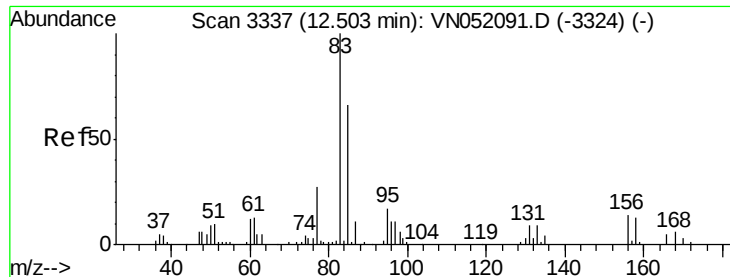
Tot Ion:104 Resp: 150661
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 57.1 43.3 64.9



#70
Isopropylbenzene
Concen: 19.315 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion:105 Resp: 254528
Ion Ratio Lower Upper
105 100
120 26.5 18.4 34.2

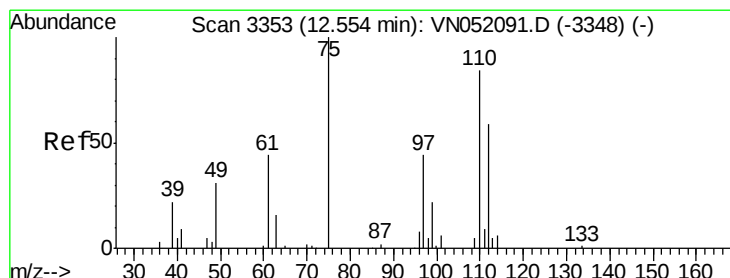
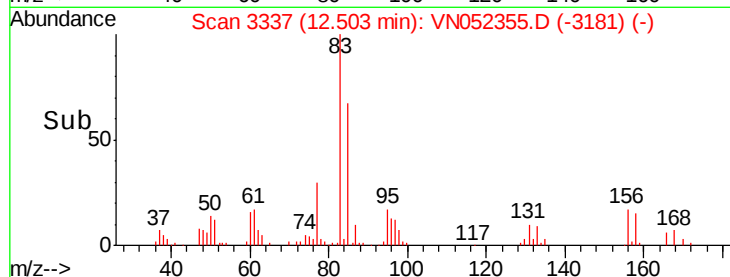
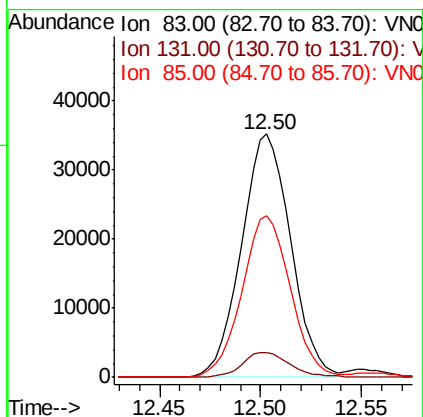
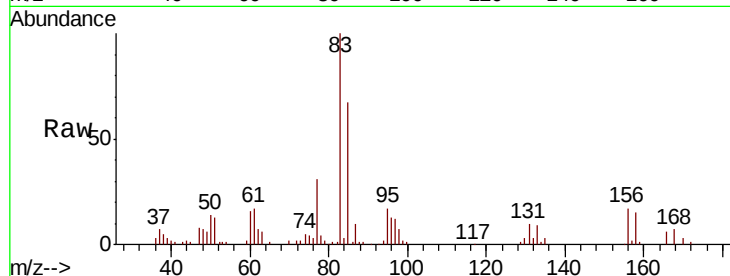




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.727 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

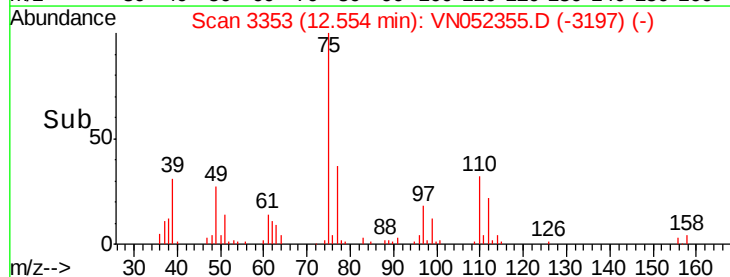
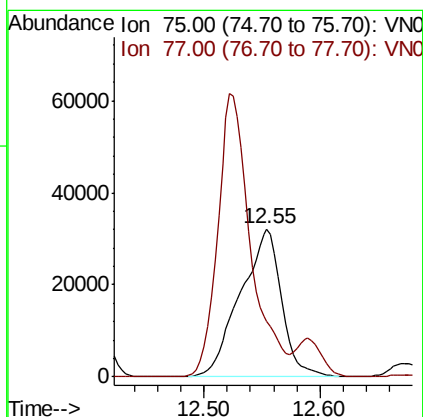
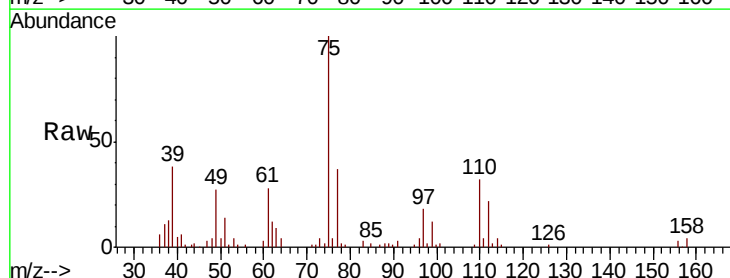
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

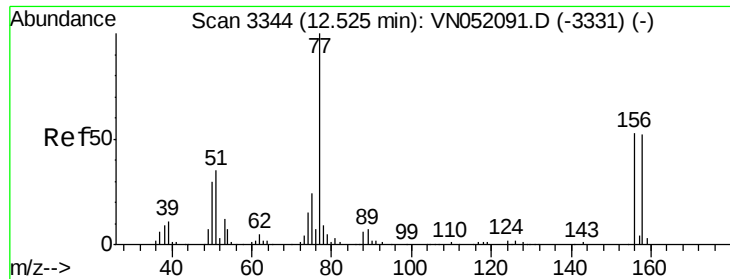
Tot Ion	83	Resp	60079
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.3
85	65.4	32.7	98.1



#72
 1,2,3-Trichloropropane
 Concen: 31.297 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	75	Resp	79762
Ion	Ratio	Lower	Upper
75	100		
77	153.1	0.0	481.8





#73

Bromobenzene

Concen: 19.941 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

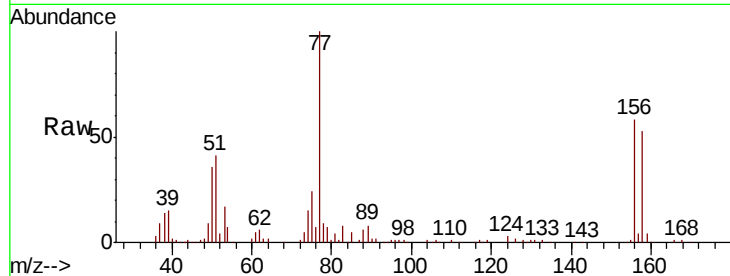
Tot Ion:156 Resp: 58228

Ion Ratio Lower Upper

156 100

77 209.7 0.0 428.0

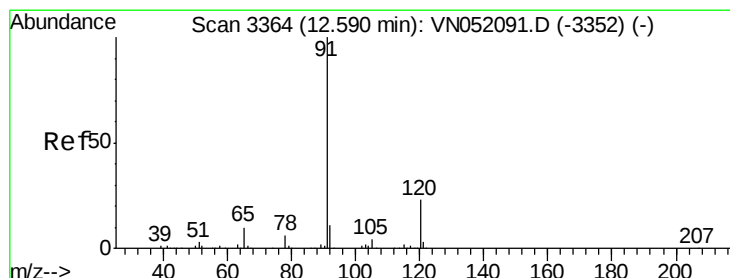
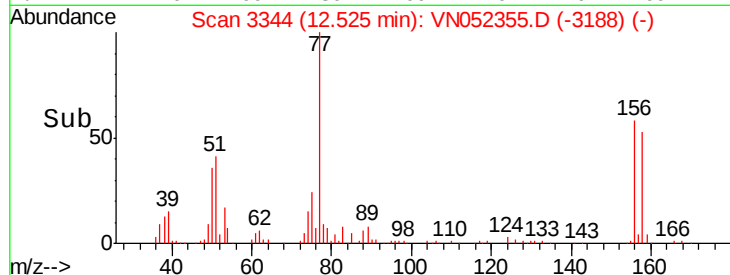
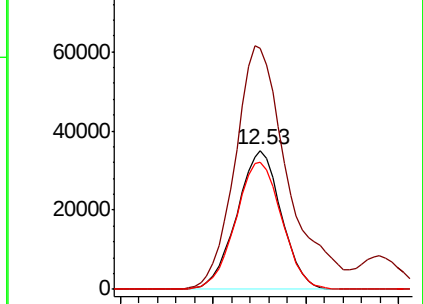
158 95.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.678 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052355.D

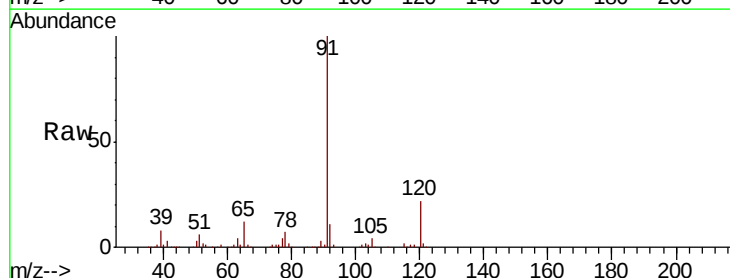
Acq: 16 Nov 2018 11:01

Tgt Ion: 91 Resp: 301975

Ion Ratio Lower Upper

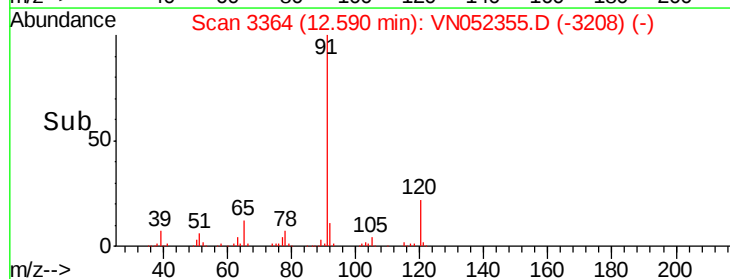
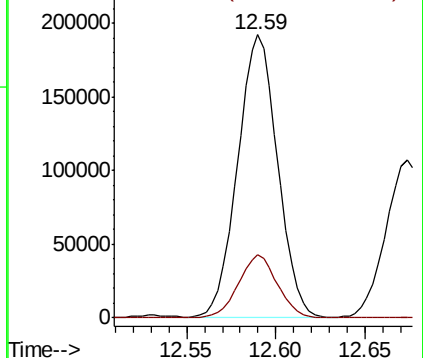
91 100

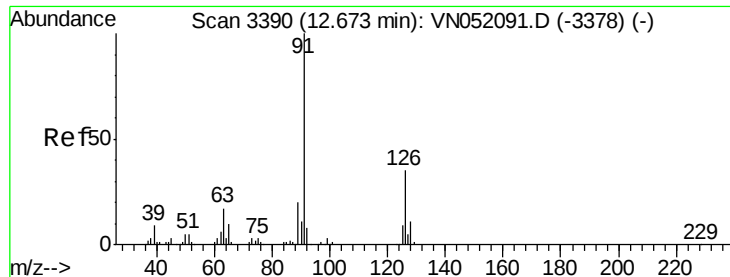
120 21.5 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.016 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

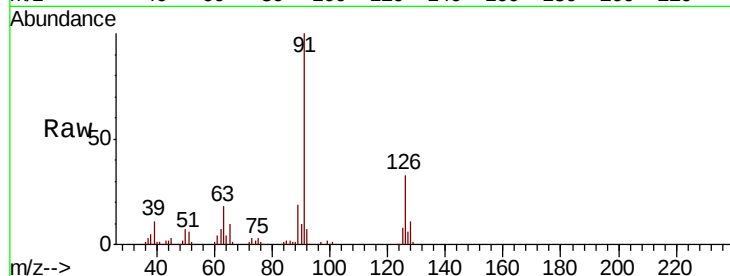
VN1116WBS01

Tot Ion: 91 Resp: 177090

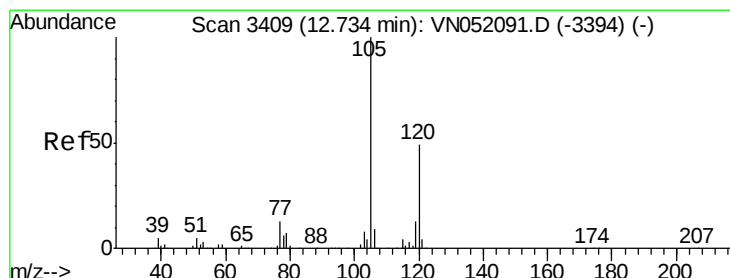
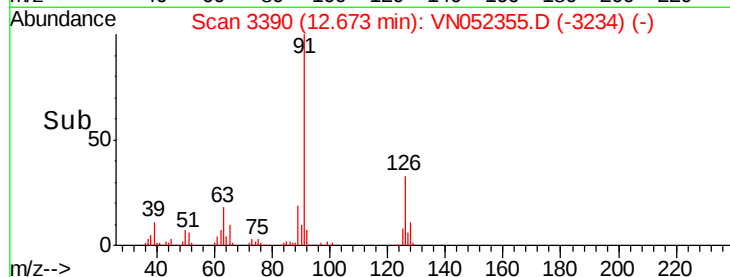
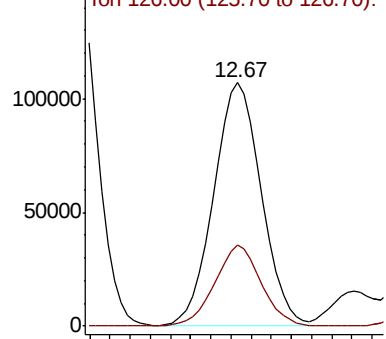
Ion Ratio Lower Upper

91 100

126 32.4 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.876 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052355.D

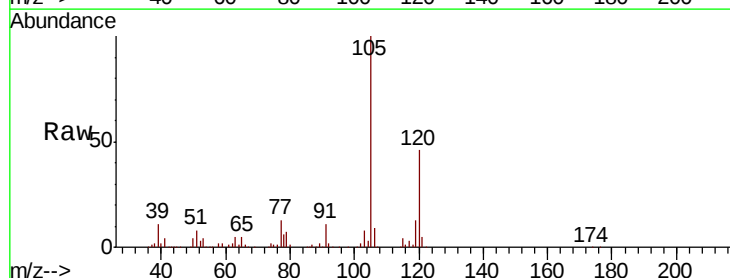
Acq: 16 Nov 2018 11:01

Tgt Ion: 105 Resp: 210032

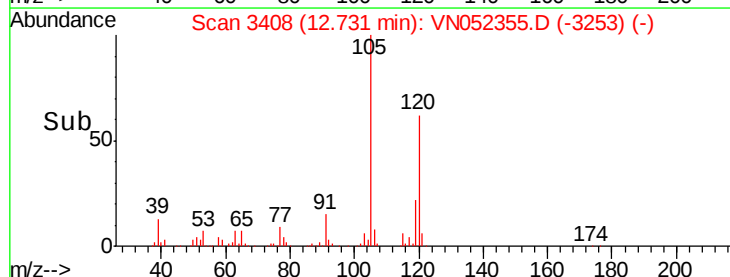
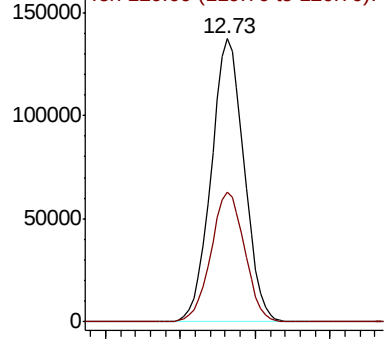
Ion Ratio Lower Upper

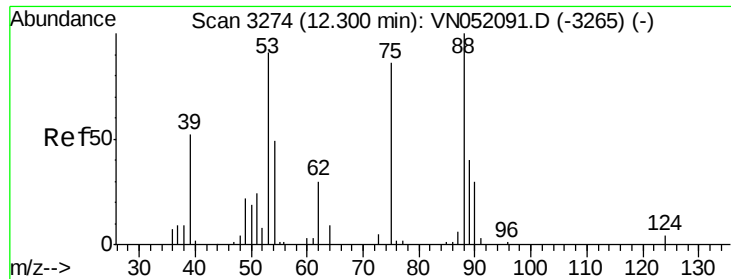
105 100

120 46.8 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.804 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

VN1116WBS01

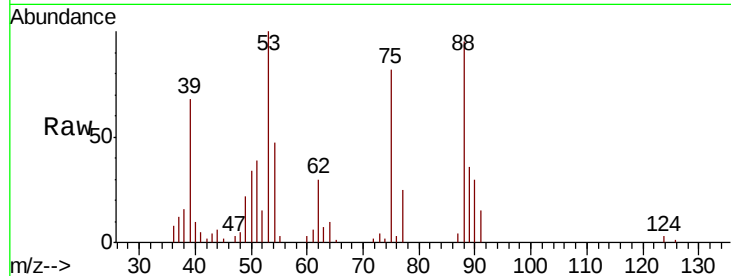
Tot Ion: 75 Resp: 15792

Ion Ratio Lower Upper

75 100

53 117.5 50.7 152.1

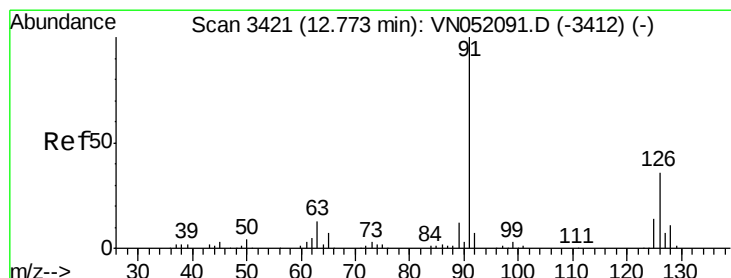
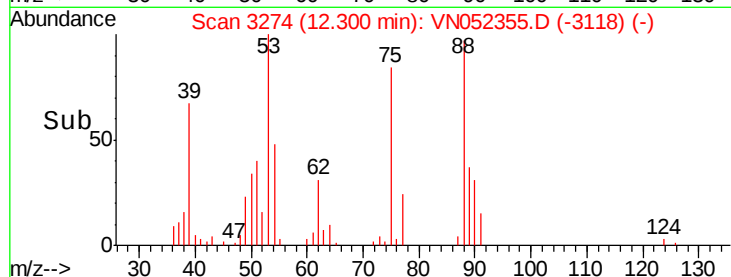
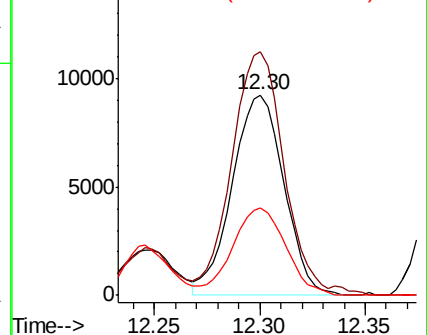
89 43.7 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.798 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052355.D

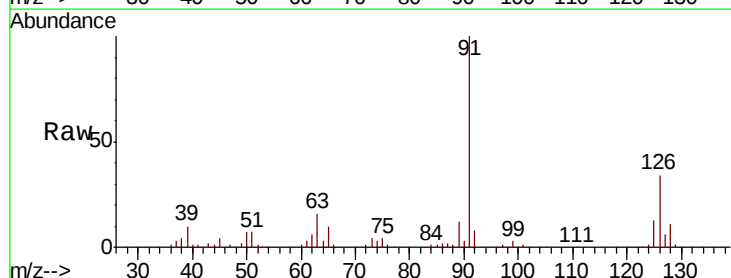
Acq: 16 Nov 2018 11:01

Tgt Ion: 91 Resp: 176388

Ion Ratio Lower Upper

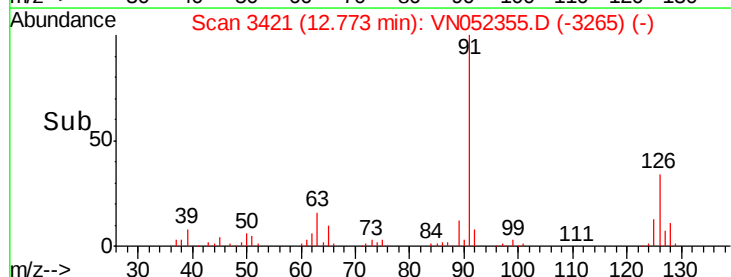
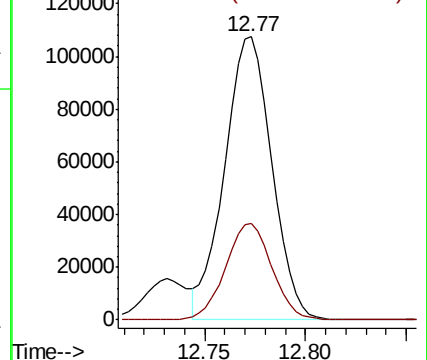
91 100

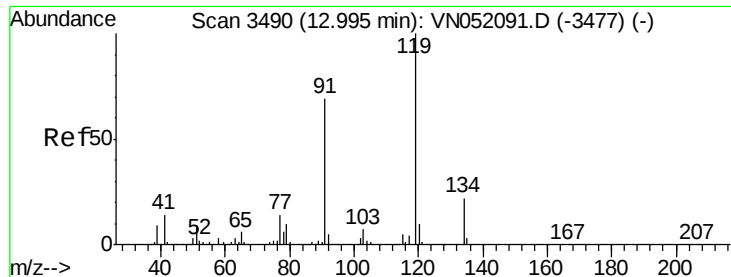
126 33.4 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

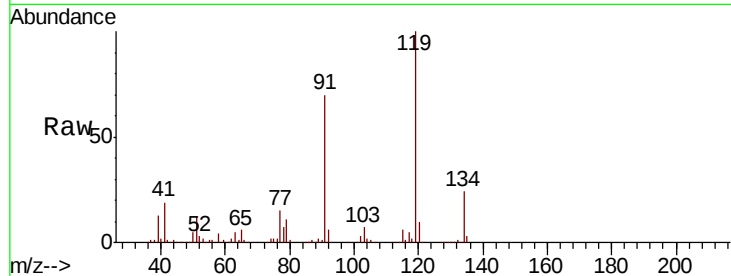




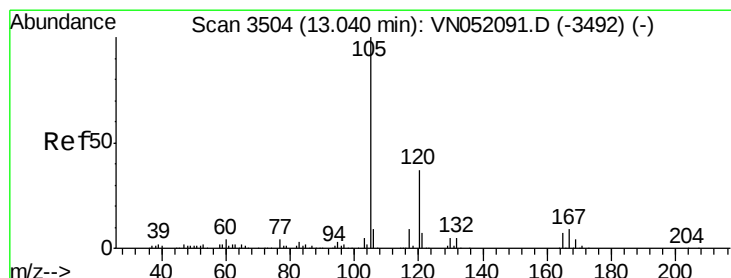
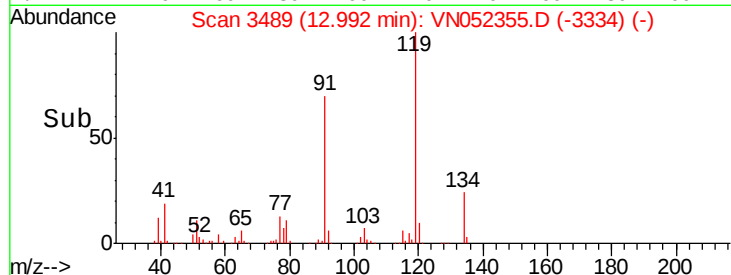
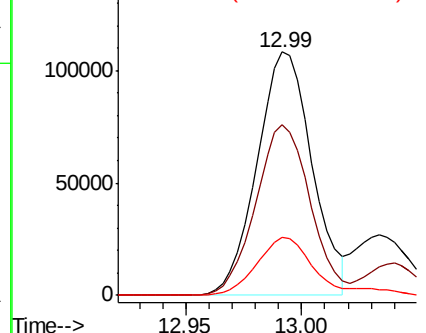
#79
tert-butylbenzene
Concen: 19.495 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampled :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	0.0	131.2
134	25.4	0.0	45.8

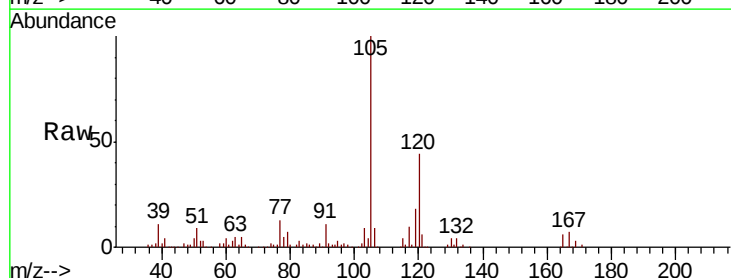


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

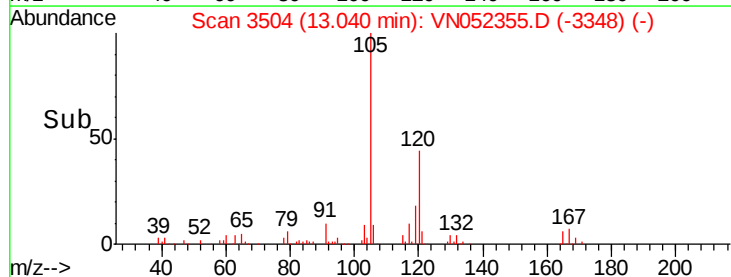
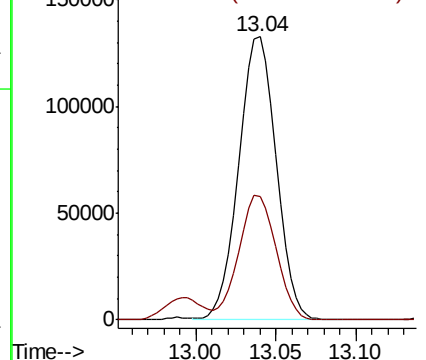


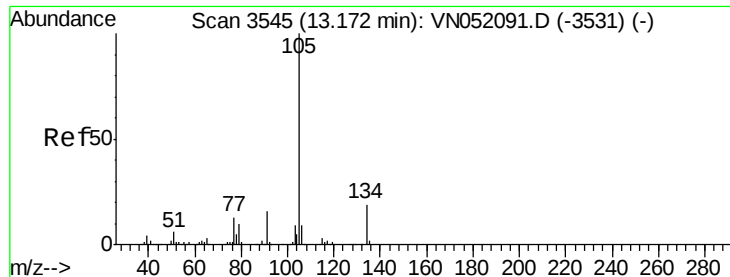
#80
1,2,4-Trimethylbenzene
Concen: 20.105 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	0.0	89.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

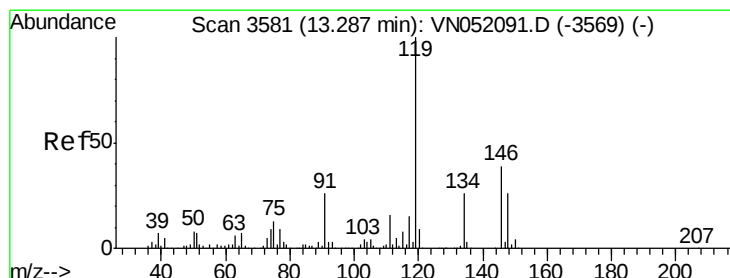
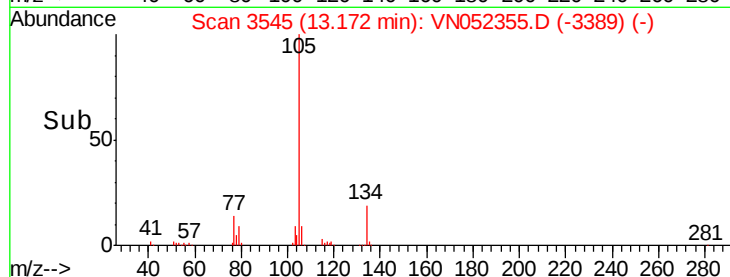
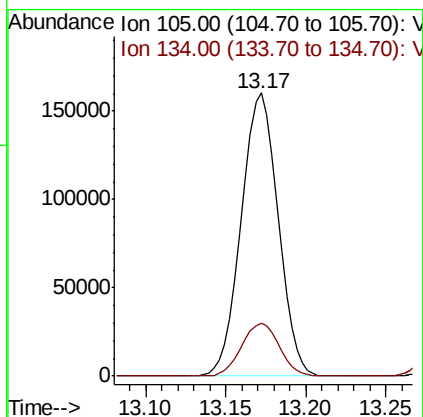
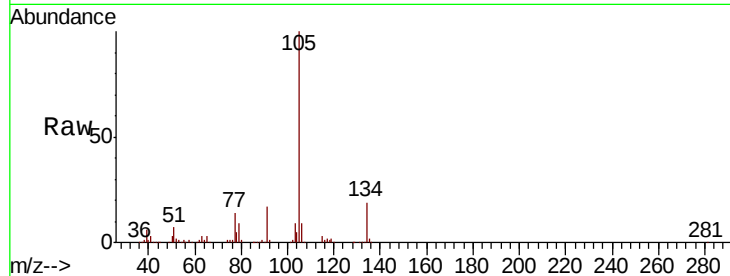




#81
 sec-Butylbenzene
 Concen: 19.879 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

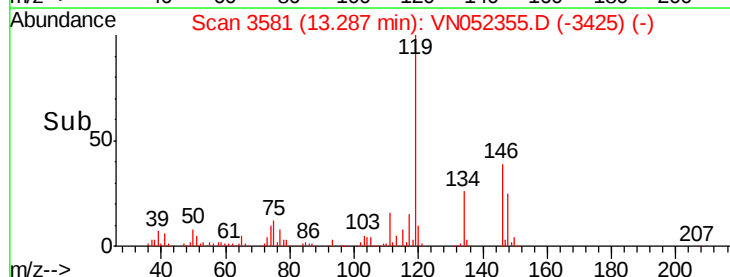
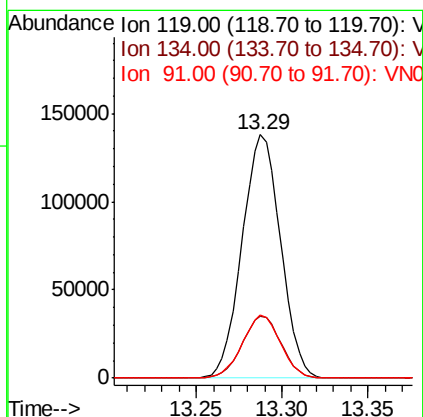
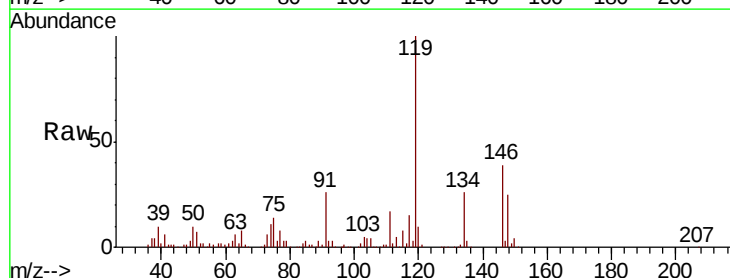
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

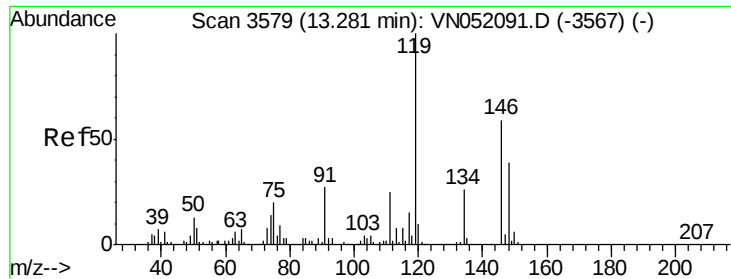
Tot Ion:105 Resp: 251824
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 20.039 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion:119 Resp: 214528
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 52.0
 91 25.7 0.0 50.8

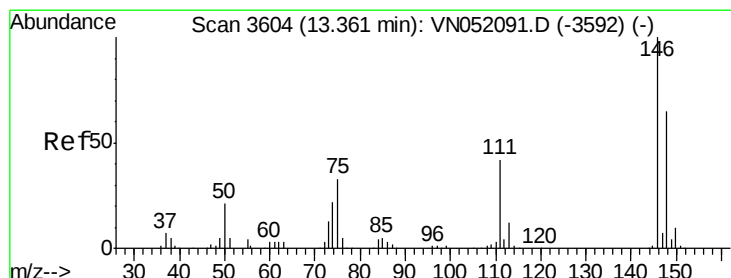
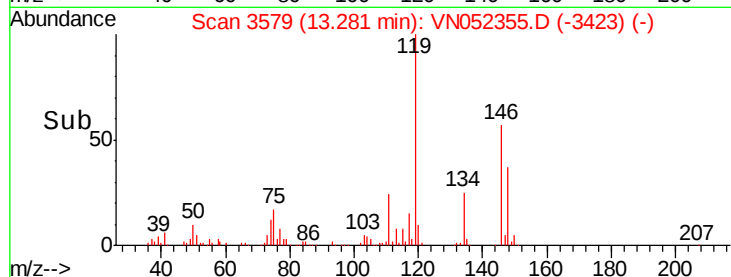
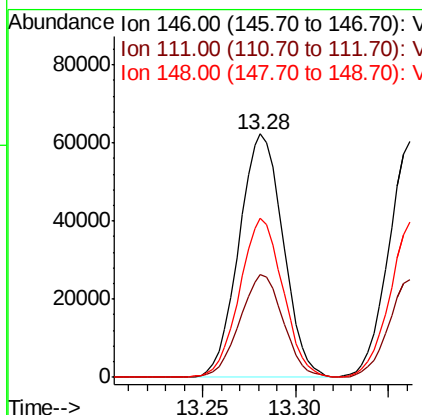
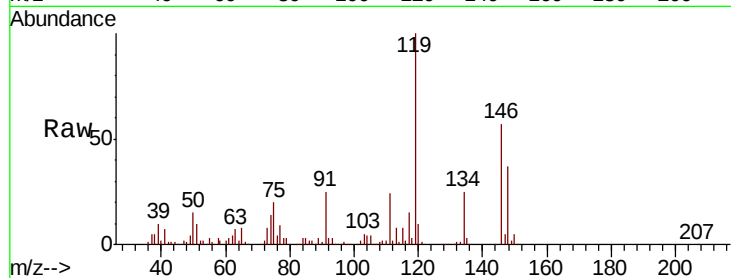




#83
 1,3-Dichlorobenzene
 Concen: 19.965 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

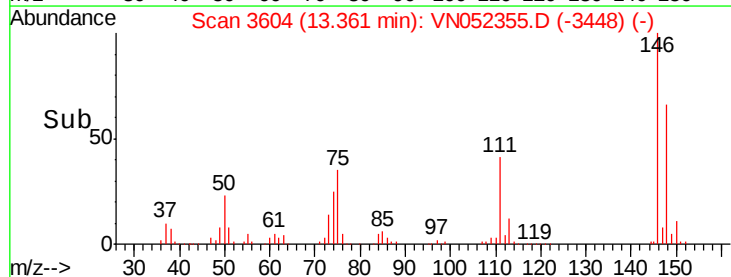
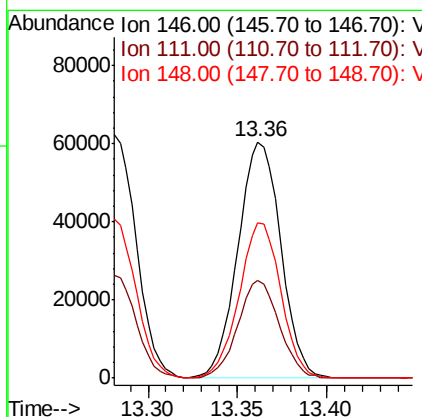
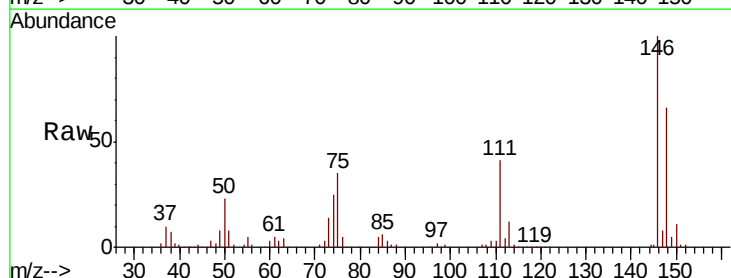
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

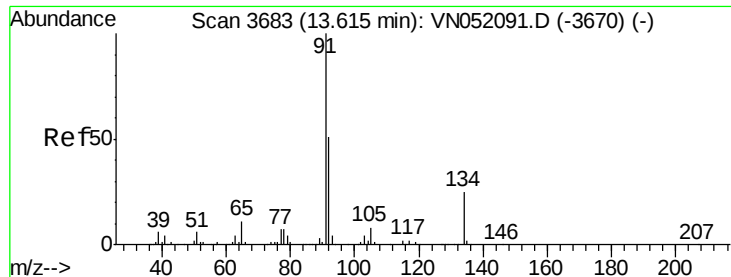
Tot Ion:146 Resp: 103118
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.0 63.0
 148 64.1 33.4 100.2



#84
 1,4-Dichlorobenzene
 Concen: 19.815 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion:146 Resp: 101318
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.4 64.2
 148 64.2 32.6 98.0





#85

n-Butylbenzene

Concen: 20.335 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

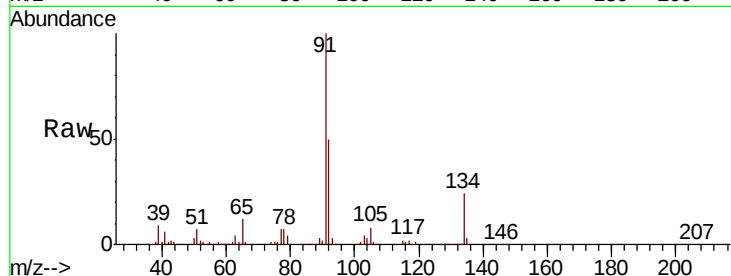
Tot Ion: 91 Resp: 188413

Ion Ratio Lower Upper

91 100

92 49.7 0.0 102.8

134 24.0 0.0 49.2

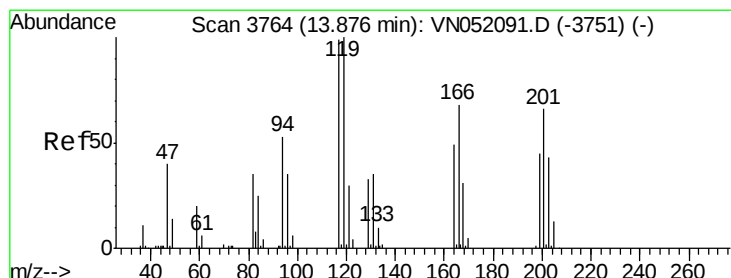
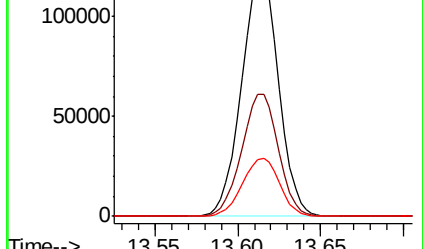
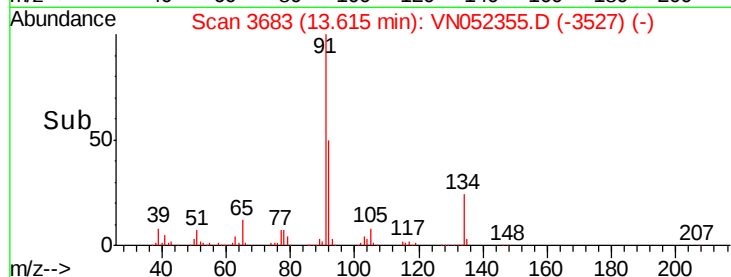


Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)

13.62



#86

Hexachloroethane

Concen: 20.024 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052355.D

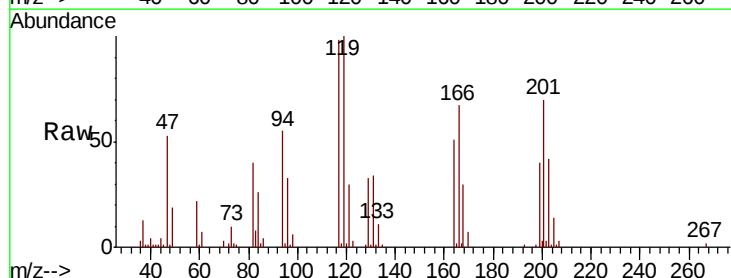
Acq: 16 Nov 2018 11:01

Tgt Ion: 117 Resp: 36174

Ion Ratio Lower Upper

117 100

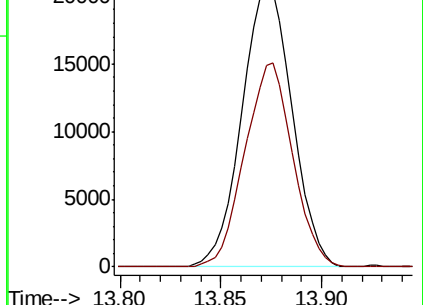
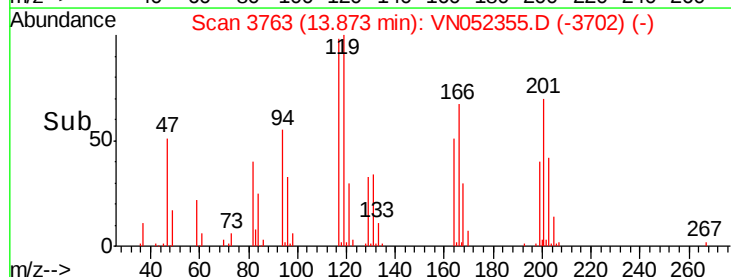
201 69.2 32.2 96.6

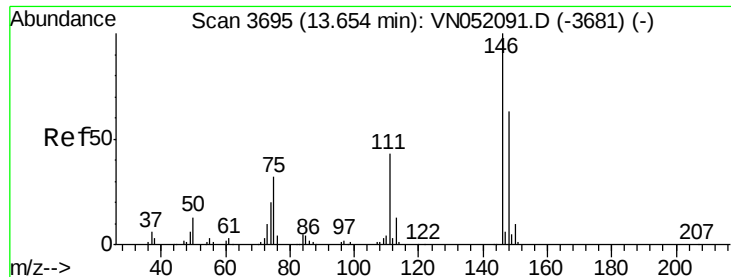


Abundance Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)

13.87

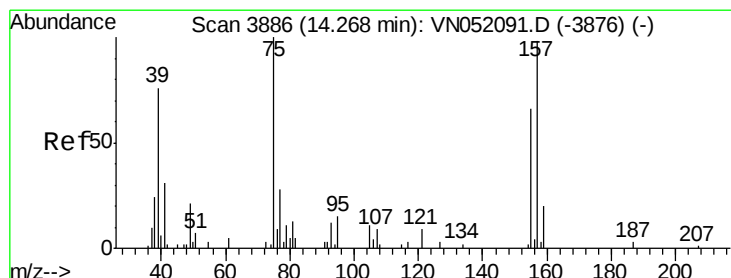
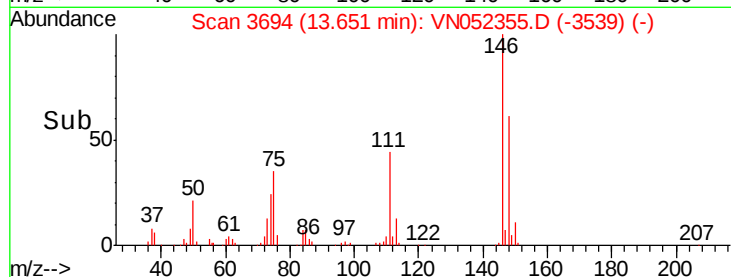
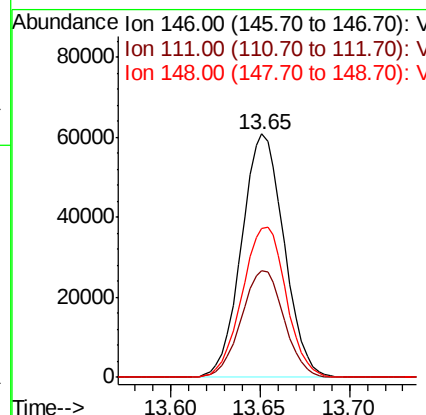
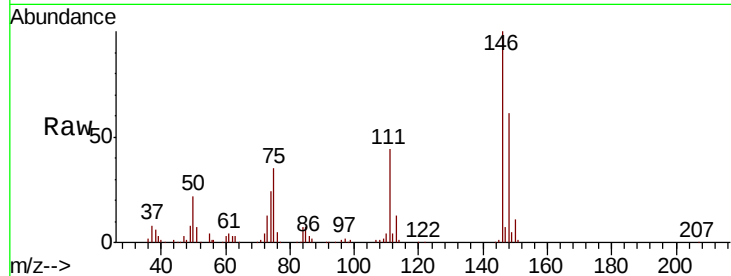




#87
 1,2-Dichlorobenzene
 Concen: 20.622 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

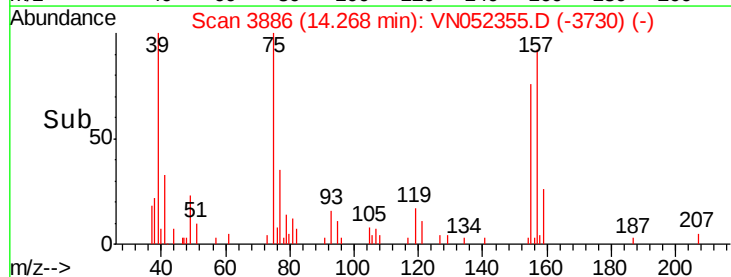
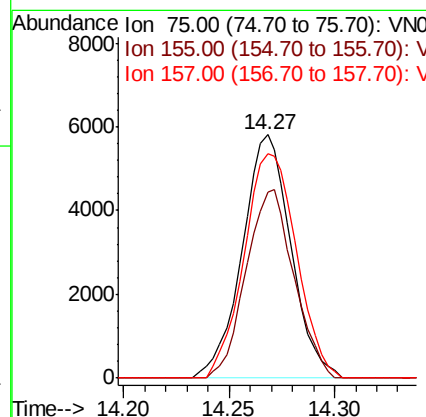
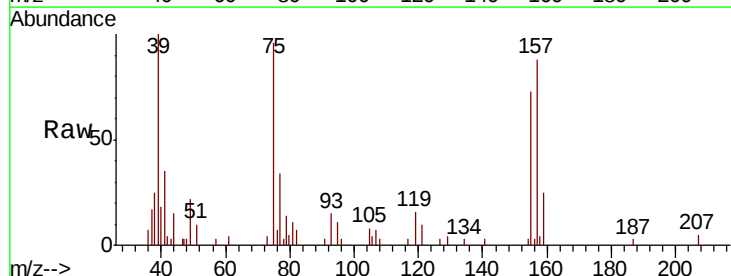
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

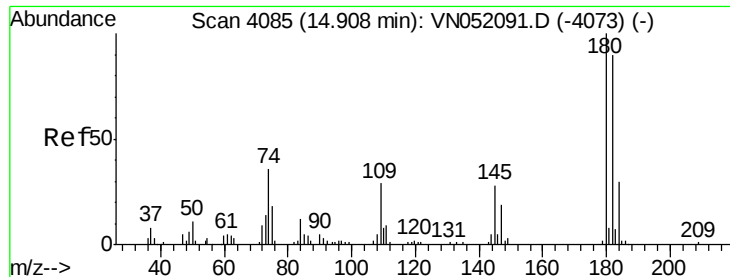
Tot Ion:146 Resp: 101196
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.4 67.0
 148 63.9 32.5 97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.522 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 75 Resp: 9323
 Ion Ratio Lower Upper
 75 100
 155 76.0 56.7 85.1
 157 99.0 80.4 120.6

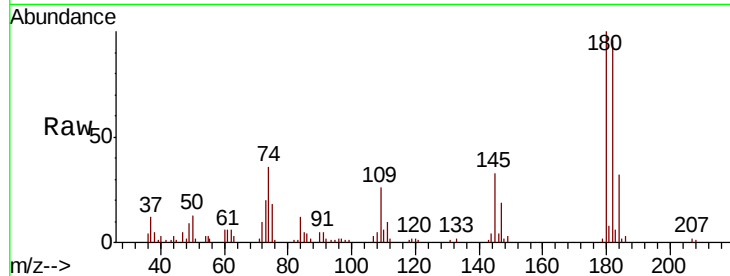




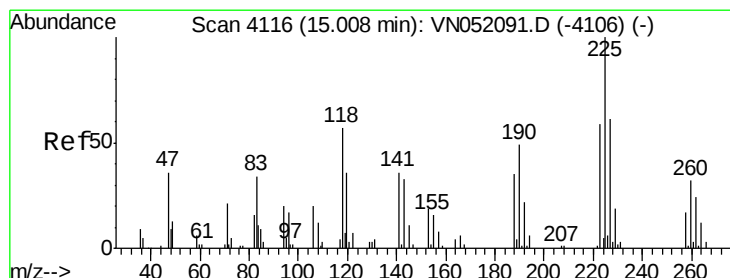
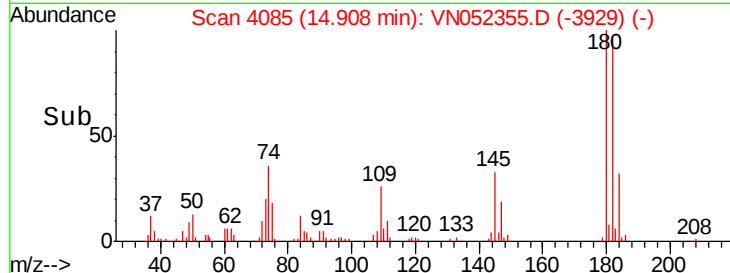
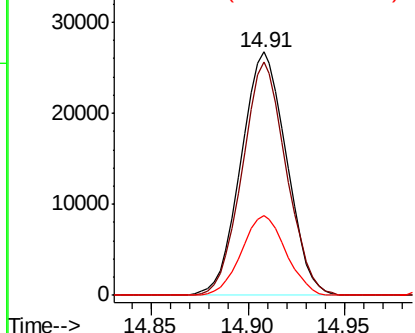
#89
 1,2,4-Trichlorobenzene
 Concen: 21.989 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion:180 Resp: 43802
 Ion Ratio Lower Upper
 180 100
 182 92.6 74.0 111.0
 145 32.1 24.6 36.8

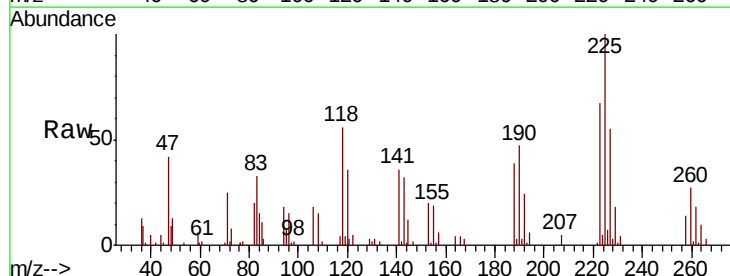


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

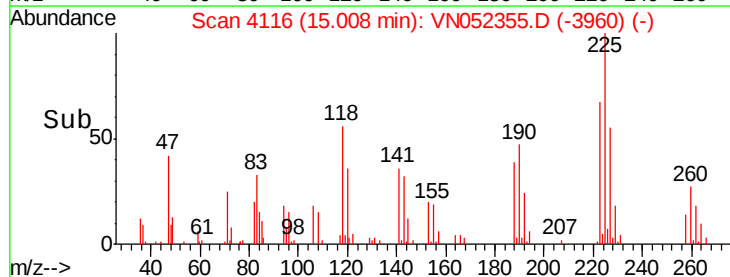
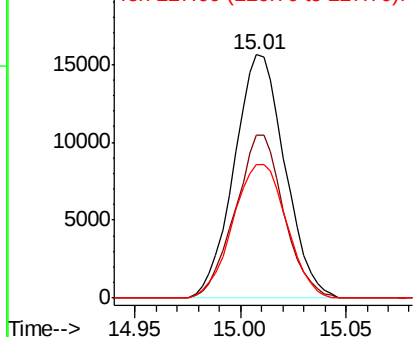


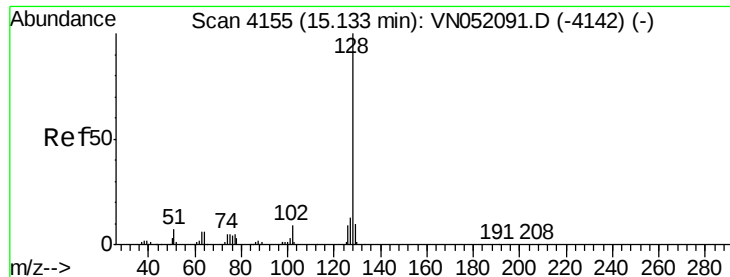
#90
 Hexachlorobutadiene
 Concen: 23.915 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion:225 Resp: 26064
 Ion Ratio Lower Upper
 225 100
 223 64.3 0.0 121.2
 227 58.1 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 21.395 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

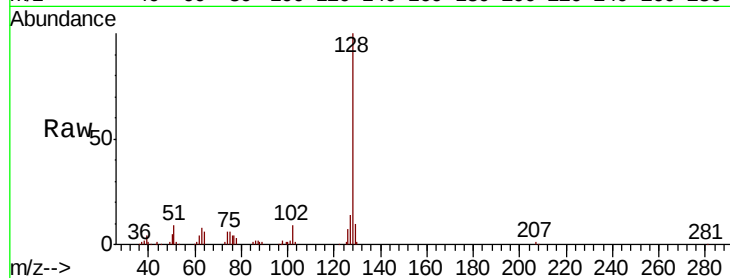
Tot Ion:128 Resp: 98233

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

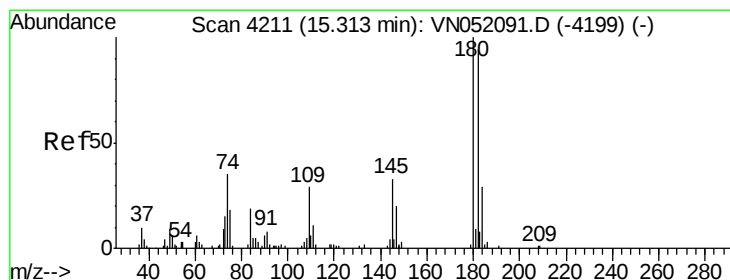
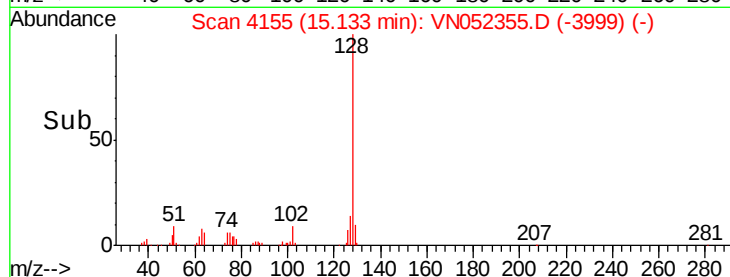
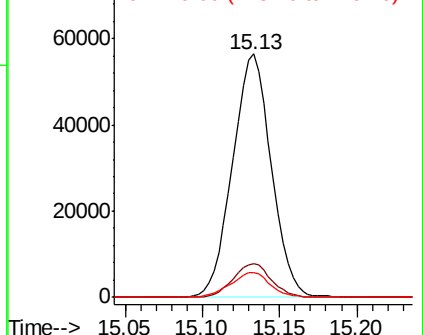
129 10.2 8.3 12.5



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



#92

1,2,3-Trichlorobenzene

Concen: 23.883 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

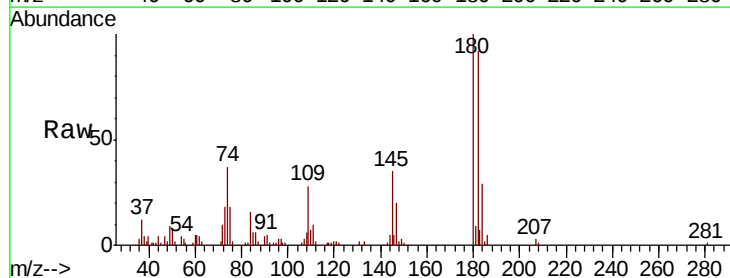
Tgt Ion:180 Resp: 41464

Ion Ratio Lower Upper

180 100

182 95.1 0.0 186.6

145 32.9 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

