

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051980.D
 Acq On : 24 Oct 2018 11:47
 Operator : MD\SY
 Sample : VN1024WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

Quant Time: Oct 24 14:30:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	163458	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.73	114	347	30.00	ug/l	0.14
57) Chlorobenzene-d5	11.41	117	847702	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	286939	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	12.40	95	368094	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.09	98	1072606	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	135974	21.412	ug/l 99
3) Chloromethane	2.06	50	121463	18.098	ug/l 99
4) Vinyl Chloride	2.19	62	153568	15.322	ug/l 98
5) Bromomethane	2.57	94	160809	18.159	ug/l 87
6) Chloroethane	2.71	64	111352	15.416	ug/l 98
7) Trichlorofluoromethane	3.03	101	287104	20.092	ug/l 94
8) Diethyl Ether	3.41	74	84241	20.251	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	176008	21.629	ug/l # 36
10) 1,1-Dichloroethene	3.74	96	157299	20.901	ug/l 83
11) Methyl Iodide	3.96	142	255975	23.398	ug/l 92
12) Methyl Acetate	4.32	43	95943	20.530	ug/l # 84
13) Acrolein	3.77	56	150	0.487	ug/l 83
14) Acrylonitrile	4.99	53	203080	97.230	ug/l # 60
15) Acetone	3.81	58	50703	98.201	ug/l 95
16) Carbon Disulfide	4.06	76	353788	17.900	ug/l 100
17) Allyl chloride	4.33	41	154552	17.298	ug/l 77
18) Methylene Chloride	4.56	84	176420	20.966	ug/l # 86
19) trans-1,2-Dichloroethene	5.05	96	174376	20.292	ug/l # 78
20) Diisopropyl ether	5.95	45	376590	18.925	ug/l # 85
21) 1,1-Dichloroethane	5.85	63	272547	19.602	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	205307	20.341	ug/l # 80
23) tert-Butyl Alcohol	4.78	59	43075	78.306	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416701	19.218	ug/l # 93
25) Chloroform	7.37	83	336489	20.399	ug/l 96
26) Cyclohexane	7.65	56	220832	18.734	ug/l # 68
29) 1,1-Dichloropropene	7.79	75	231482	51752.472	ug/l 93
30) 2-Butanone	6.84	43	228240	244137.997	ug/l # 87
31) 2,2-Dichloropropane	6.83	77	248965	47315.404	ug/l # 76
32) 1,1,1-Trichloroethane	7.57	97	304787	51397.022	ug/l 95
33) Carbon Tetrachloride	7.77	117	268675	50077.909	ug/l 93
34) Benzene	8.04	78	697787	52740.021	ug/l # 65
35) Methacrylonitrile	7.17	41	50962	41490.820	ug/l 77
36) 1,2-Dichloroethane	8.13	62	223502	52720.553	ug/l 95
37) Trichloroethene	8.84	130	223461	54408.187	ug/l 94
38) Methylcyclohexane	9.08	83	292963	51066.364	ug/l 78
39) 1,2-Dichloropropane	9.12	63	164514	52799.259	ug/l 94
40) Dibromomethane	9.21	93	127420	55099.812	ug/l 94

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

41) Bromodichloromethane	9.40	83	241518	50562.838	ug/l	94
42) Vinyl Acetate	5.90	43	1265567	240476.272	ug/l #	88
43) Ethyl Acetate	6.61	43	470	231.530	ug/l	97
44) Isopropyl Acetate	8.16	43	196469	48455.237	ug/l	92
45) 1,4-Dioxane	9.20	88	30924	949843.745	ug/l #	75
46) Methyl methacrylate	9.20	41	94125	50328.353	ug/l	73
47) n-amyl Acetate	11.98	43	376	110.775	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	222152	47692.915	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	254128	49490.848	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	174538	54625.871	ug/l	95
51) Ethyl methacrylate	10.43	69	186196	50900.708	ug/l	83
52) 1,3-Dichloropropane	10.71	76	262773	53286.571	ug/l	98
53) Dibromochloromethane	10.90	129	195693	49508.791	ug/l	94
54) 1,2-Dibromoethane	11.00	107	181240	54040.780	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	488382	312308.106	ug/l #	91
56) Bromoform	12.13	173	116460	44675.034	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	536610	94.594	ug/l #	86
59) 2-Hexanone	10.75	43	364513	95.246	ug/l #	89
61) Tetrachloroethene	10.63	164	208521	19.235	ug/l	95
62) Toluene	10.16	91	842891	20.015	ug/l	97
64) Chlorobenzene	11.43	112	572289	20.750	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	203478	19.221	ug/l	99
66) Ethyl Benzene	11.51	91	928878	19.958	ug/l	99
67) m/p-Xylenes	11.62	106	749728	39.732	ug/l	96
68) o-Xylene	11.95	106	373769	20.093	ug/l	85
69) Styrene	11.96	104	590142	20.677	ug/l	95
70) Isopropylbenzene	12.25	105	993336	20.025	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	196413	20.050	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	228890	29.700	ug/l	79
73) Bromobenzene	12.53	156	266619	21.699	ug/l	79
74) n-propylbenzene	12.59	91	1082100	20.280	ug/l	94
75) 2-Chlorotoluene	12.67	91	624423	19.961	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	817947	19.940	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	39904	15.656	ug/l	97
78) 4-Chlorotoluene	12.77	91	647936	21.081	ug/l	90
79) tert-butylbenzene	12.99	119	763256	20.233	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	828355	20.205	ug/l	96
81) sec-Butylbenzene	13.17	105	1006948	20.405	ug/l	96
82) p-Isopropyltoluene	13.29	119	910190	20.611	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	483425	22.297	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	476997	23.370	ug/l	98
85) n-Butylbenzene	13.62	91	715846	21.497	ug/l	95
86) Hexachloroethane	13.87	117	128633	16.894	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	469490	22.367	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26589	18.175	ug/l #	68
89) 1,2,4-Trichlorobenzene	14.91	180	244870	25.403	ug/l	97
90) Hexachlorobutadiene	15.01	225	137826	20.376	ug/l	96
91) Naphthalene	15.13	128	473838	25.038	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	213691	22.377	ug/l	93

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VN1024WBS02

Quant Time: Oct 24 14:30:55 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

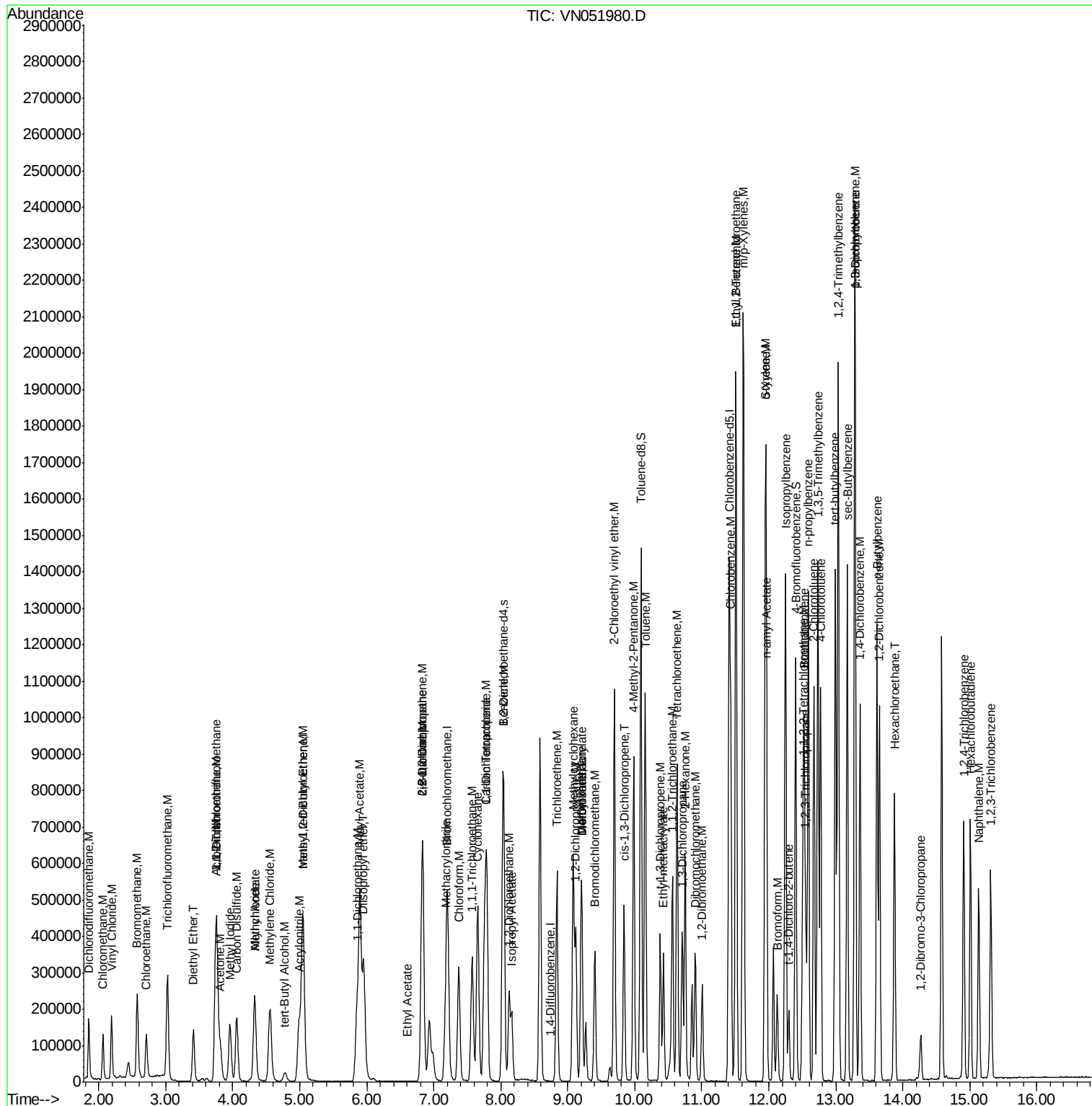
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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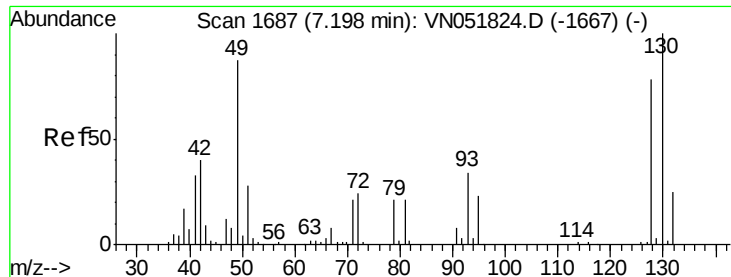
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 24 14:30:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

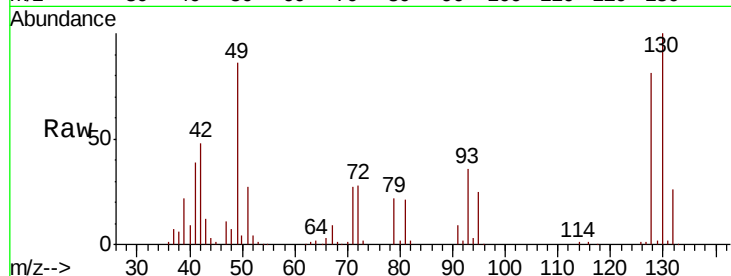
Tot Ion:128 Resp: 163458

Ion Ratio Lower Upper

128 100

49 108.0 0.0 403.3

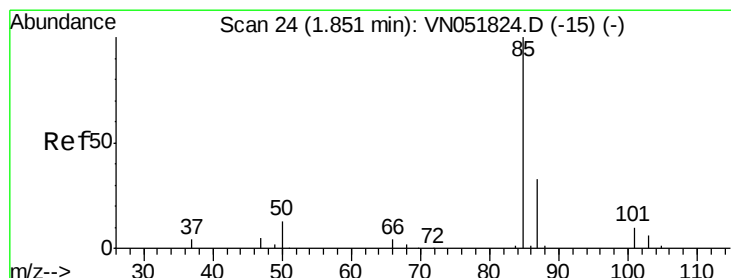
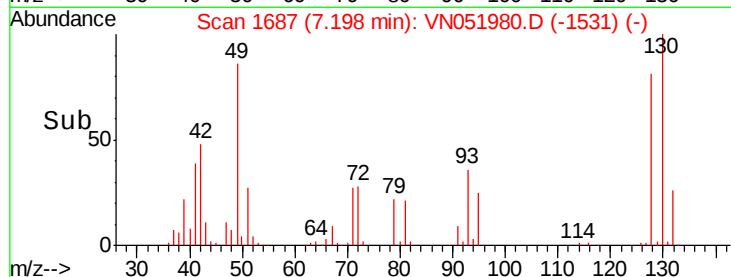
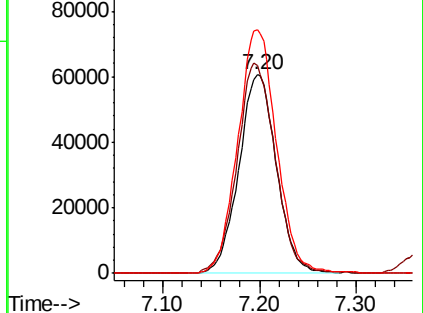
130 126.2 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.412 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051980.D

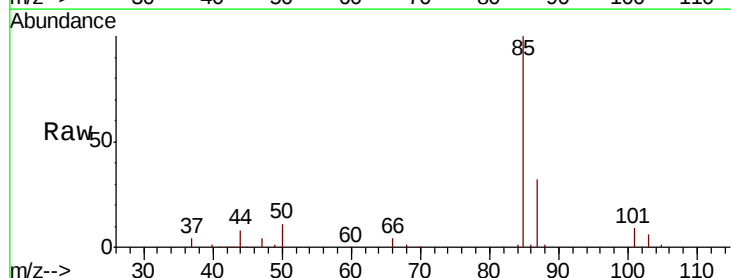
Acq: 24 Oct 2018 11:47

Tgt Ion: 85 Resp: 135974

Ion Ratio Lower Upper

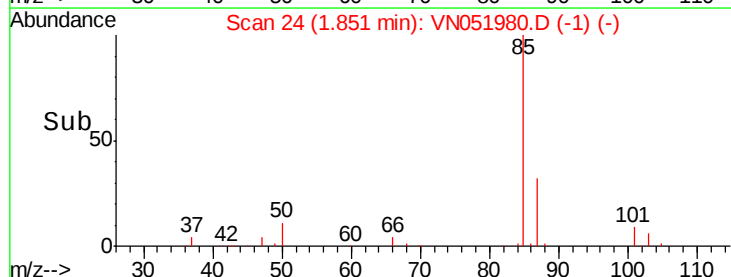
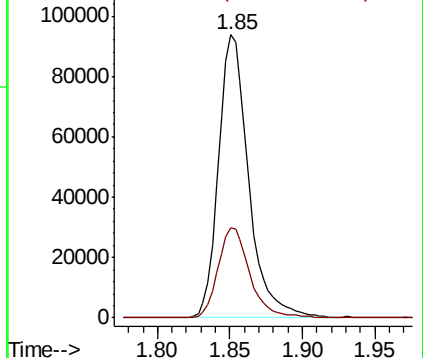
85 100

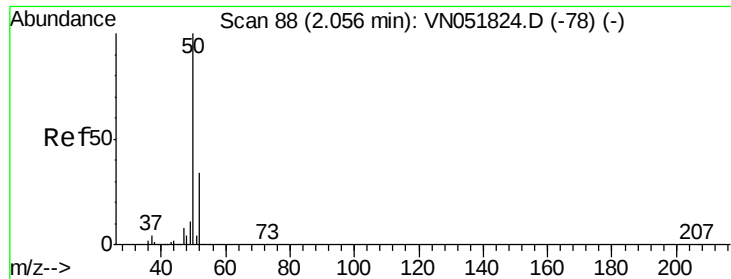
87 31.7 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.098 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

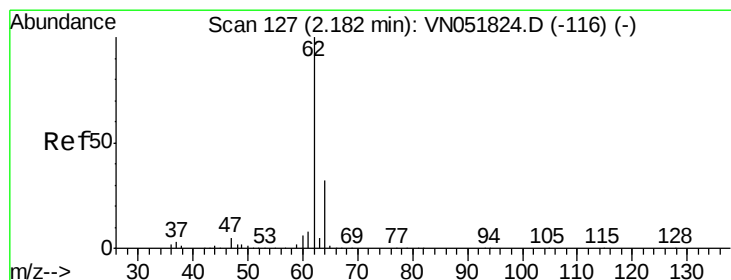
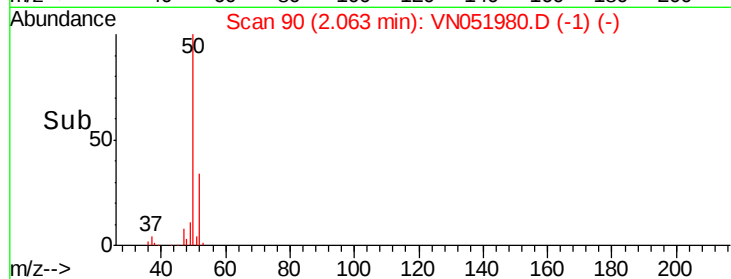
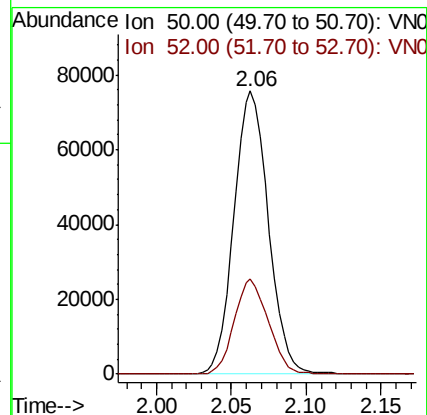
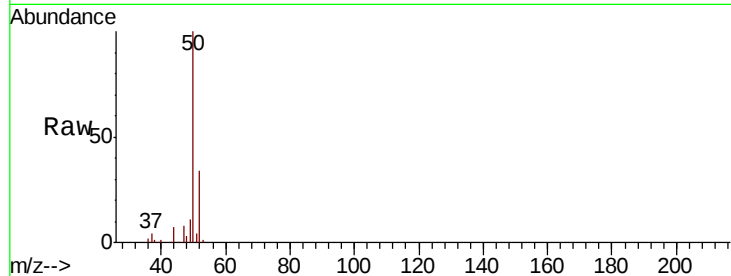
VN1024WBS02

Tot Ion: 50 Resp: 121463

Ion Ratio Lower Upper

50 100

52 33.5 27.2 40.8



#4

Vinyl Chloride

Concen: 15.322 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051980.D

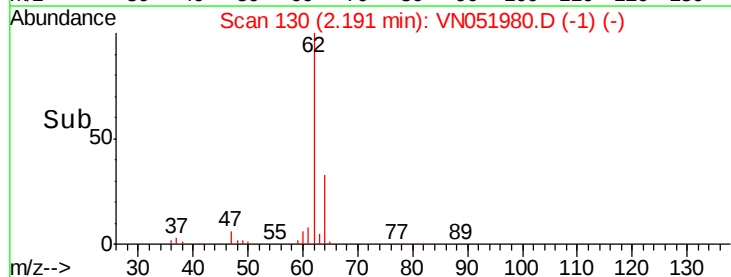
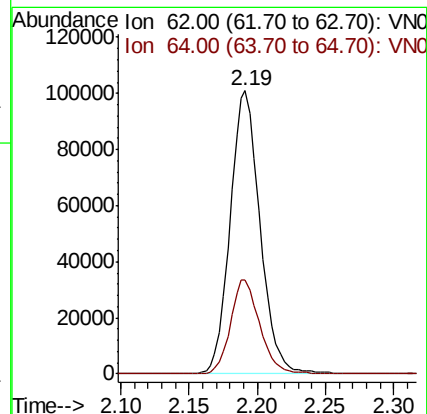
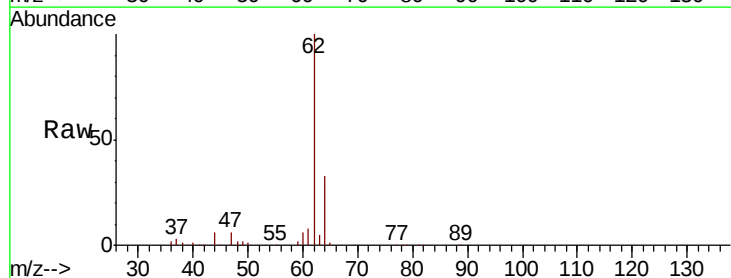
Acq: 24 Oct 2018 11:47

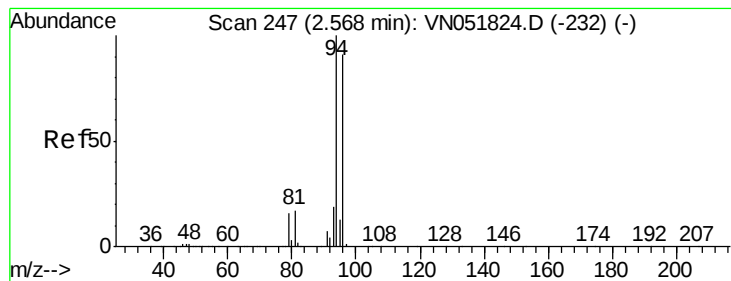
Tgt Ion: 62 Resp: 153568

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 18.159 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

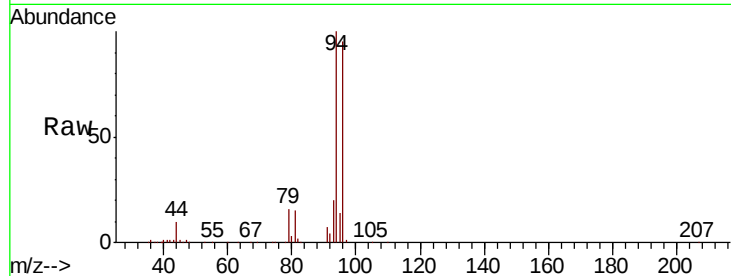
VN1024WBS02

Tot Ion: 94 Resp: 160809

Ion Ratio Lower Upper

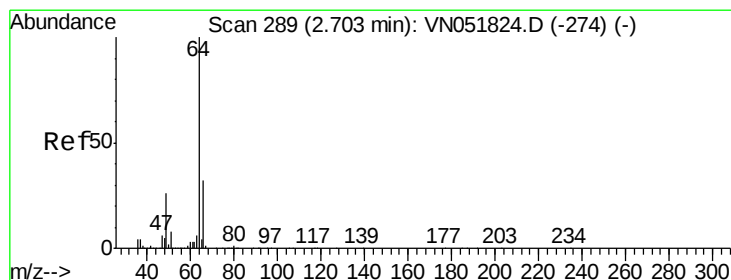
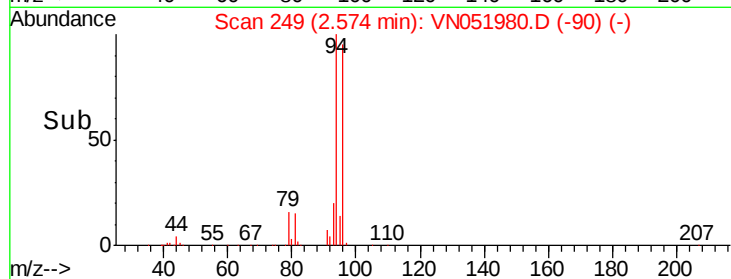
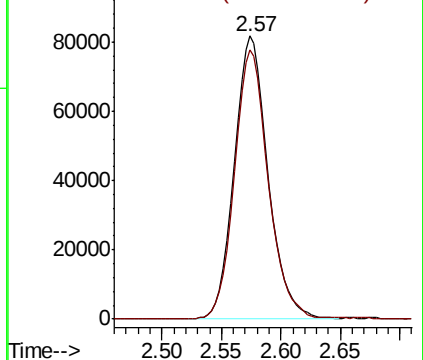
94 100

96 94.7 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.416 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051980.D

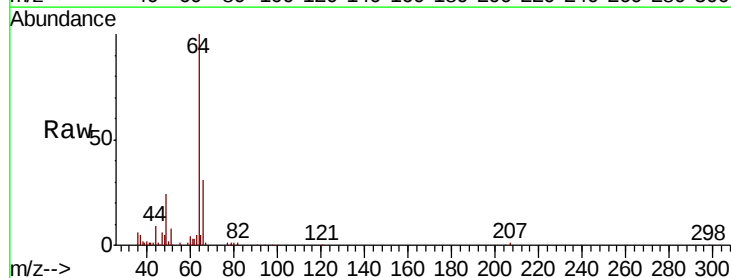
Acq: 24 Oct 2018 11:47

Tgt Ion: 64 Resp: 111352

Ion Ratio Lower Upper

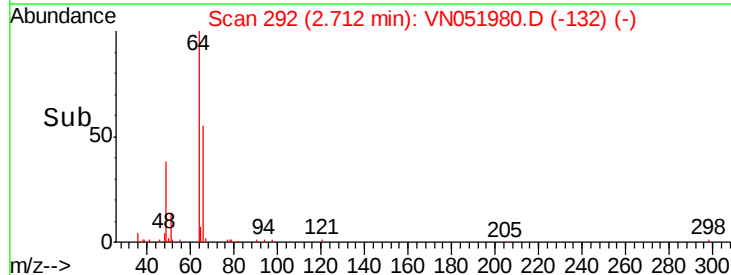
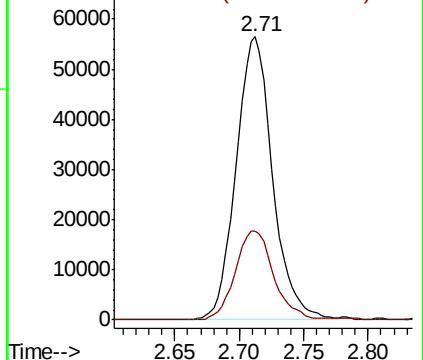
64 100

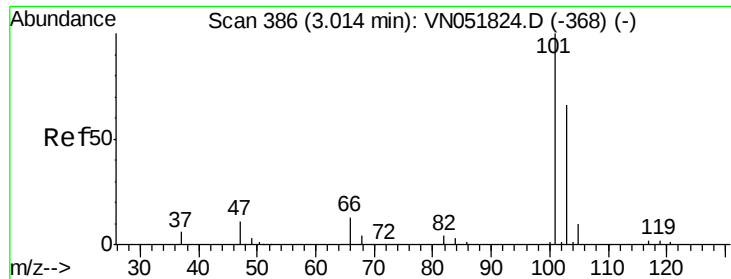
66 31.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



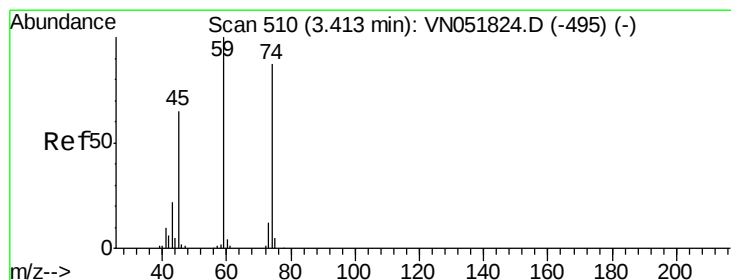
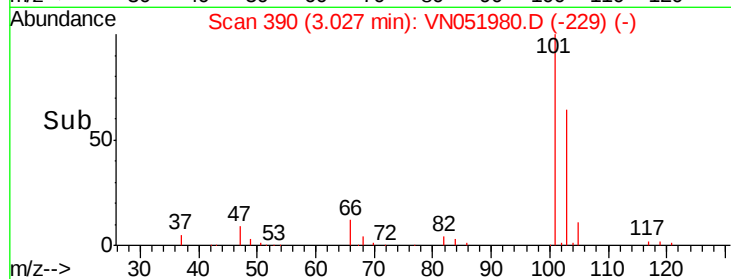
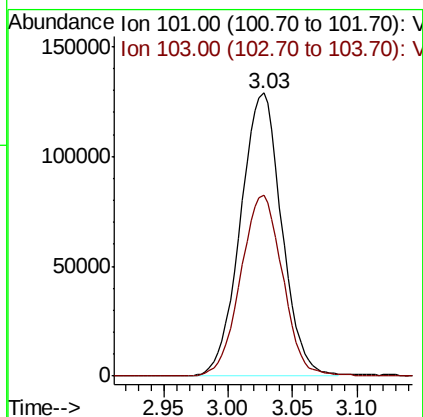
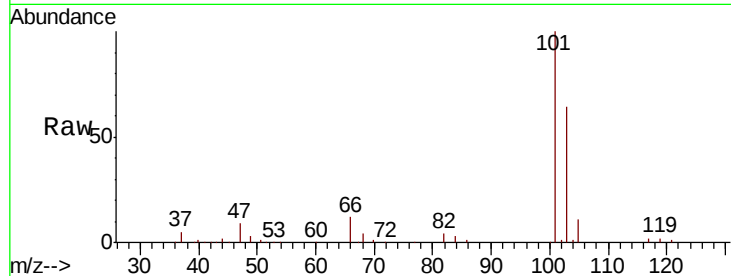


#7

Trichlorofluoromethane
Concen: 20.092 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.02 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
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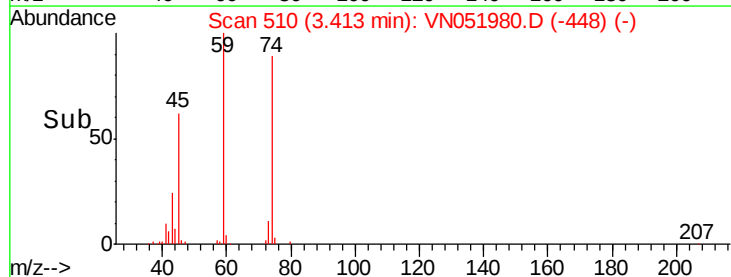
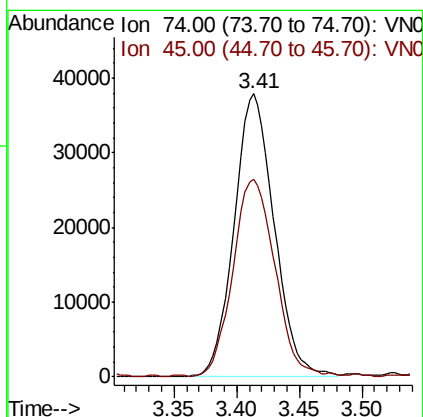
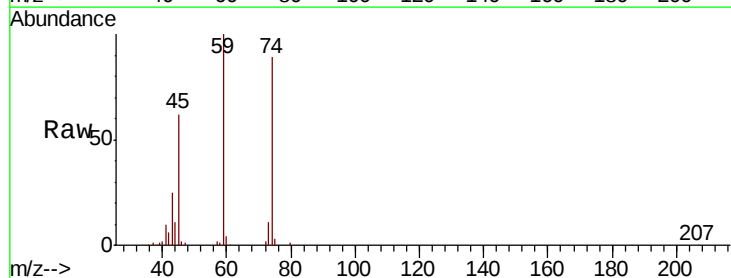
Tot Ion:101 Resp: 287104
Ion Ratio Lower Upper
101 100
103 63.9 54.8 82.2

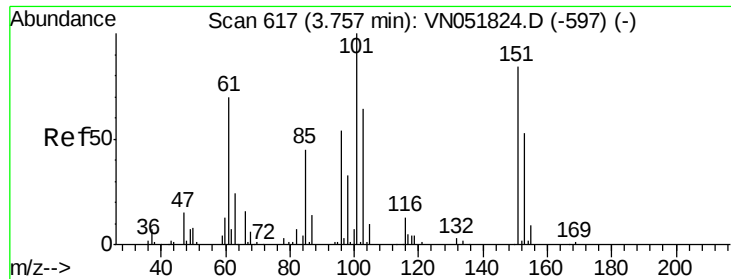


#8

Diethyl Ether
Concen: 20.251 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 74 Resp: 84241
Ion Ratio Lower Upper
74 100
45 73.2 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.629 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

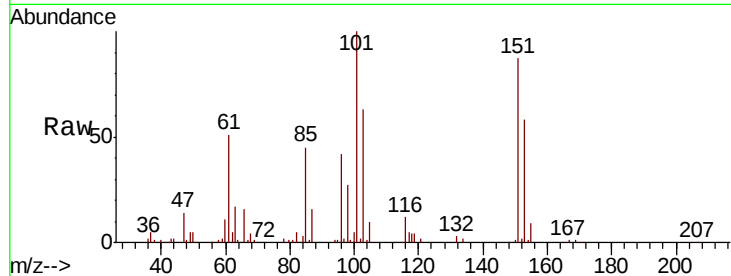
Tot Ion:101 Resp: 176008

Ion Ratio Lower Upper

101 100

85 43.6 0.0 46.0

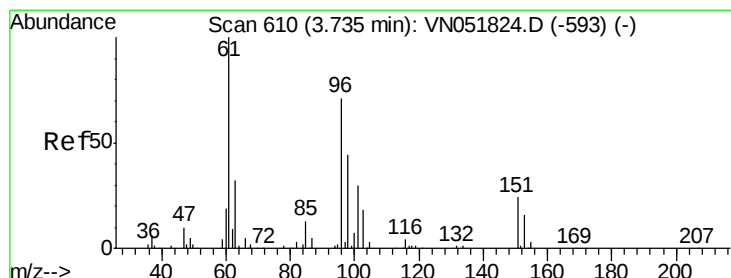
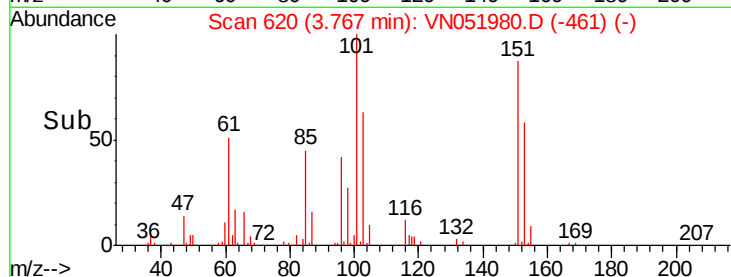
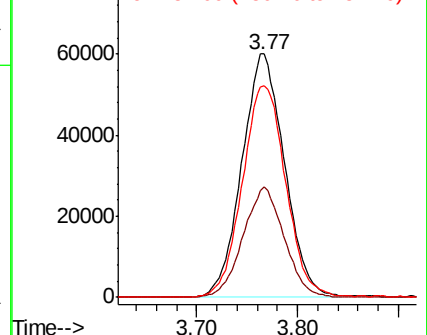
151 88.5 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.901 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

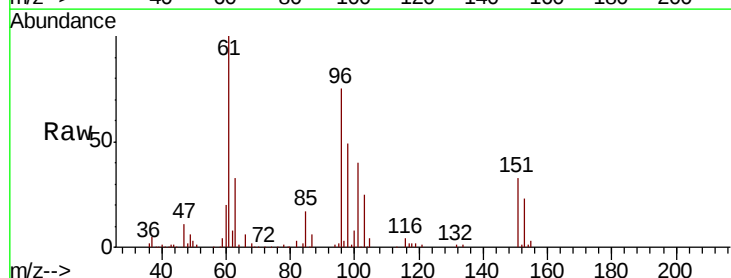
Tgt Ion: 96 Resp: 157299

Ion Ratio Lower Upper

96 100

61 133.5 133.0 199.6

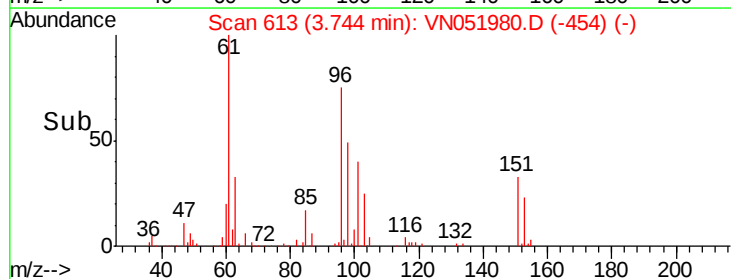
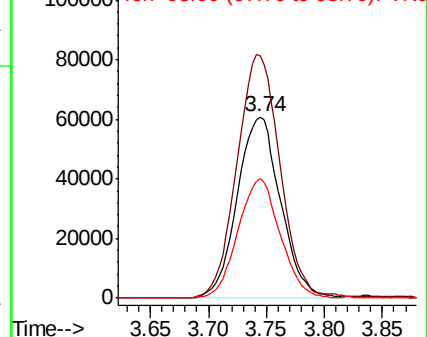
98 65.6 52.6 78.8

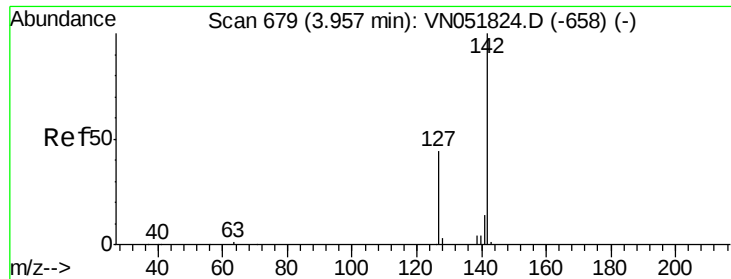


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

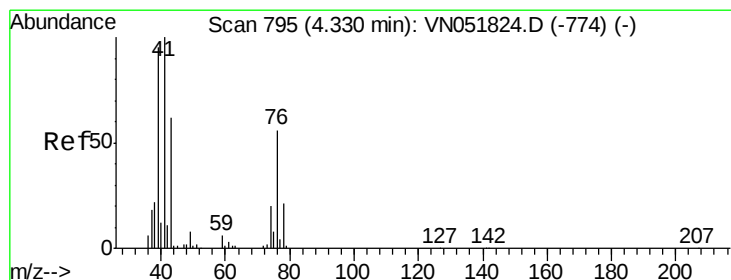
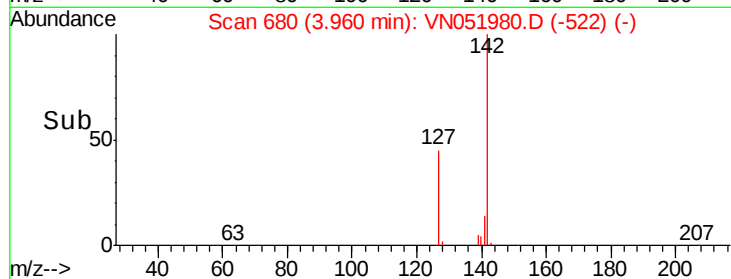
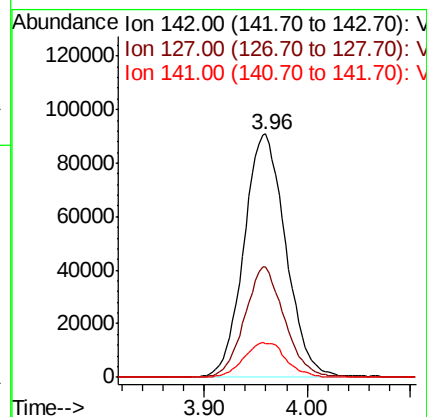
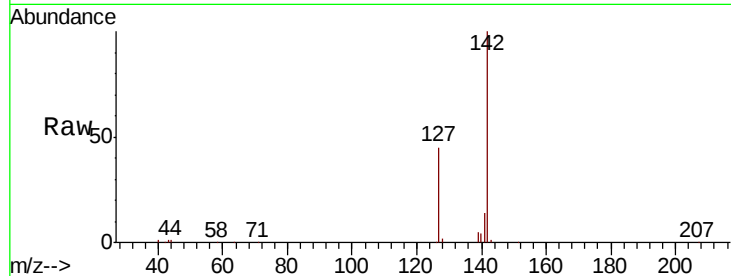




#11
Methyl Iodide
Concen: 23.398 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

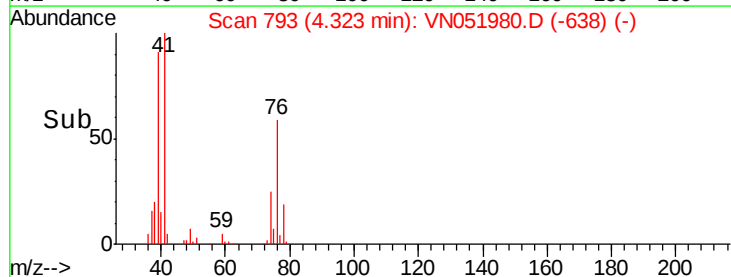
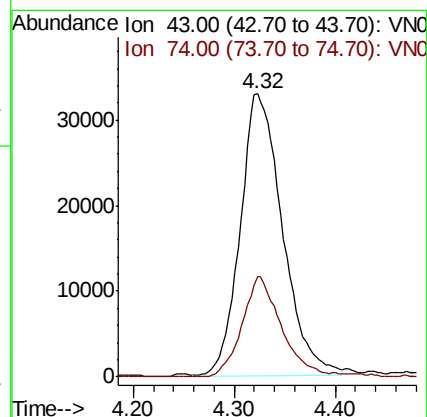
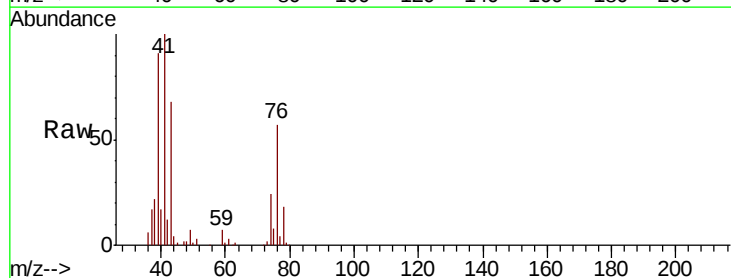
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

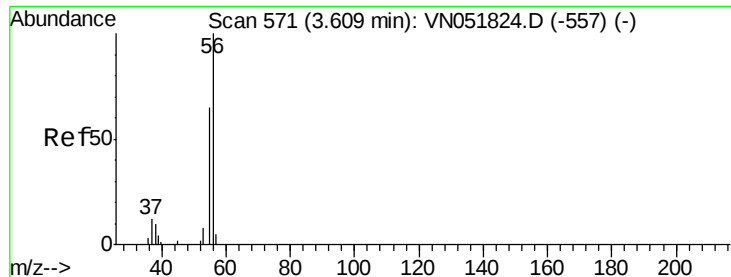
Tot Ion:142 Resp: 255975
Ion Ratio Lower Upper
142 100
127 45.1 19.7 59.0
141 13.9 6.3 18.9



#12
Methyl Acetate
Concen: 20.530 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 43 Resp: 95943
Ion Ratio Lower Upper
43 100
74 35.5 21.8 32.6#





#13

Acrolein

Concen: 0.487 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.16 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

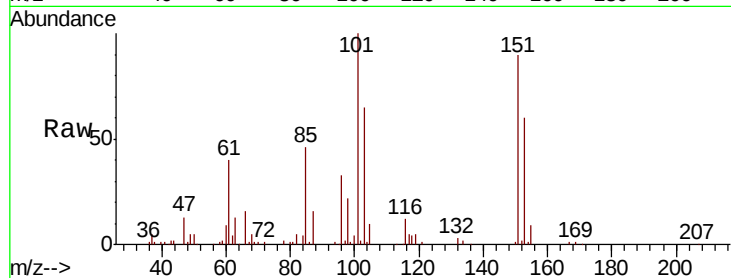
VN1024WBS02

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

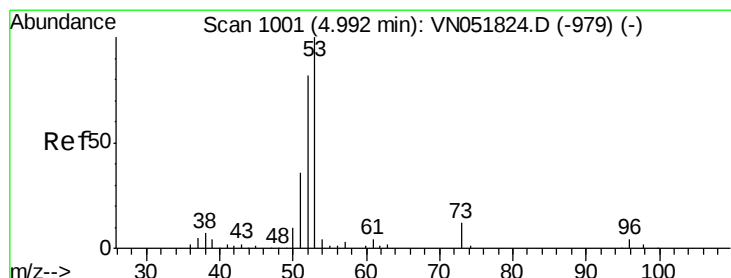
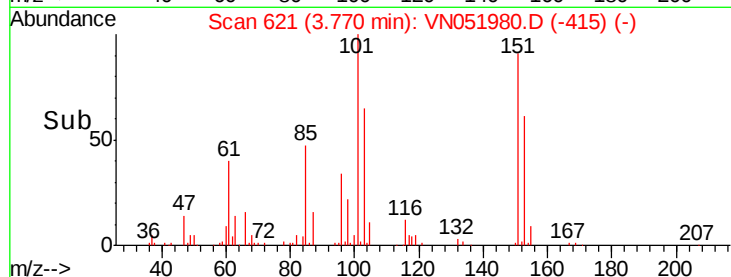
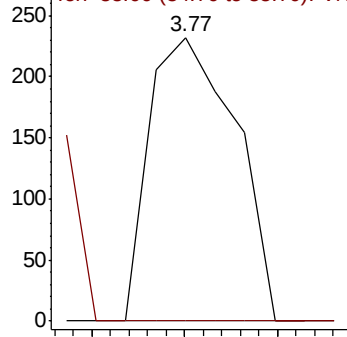
56 100

55 64.7 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.230 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

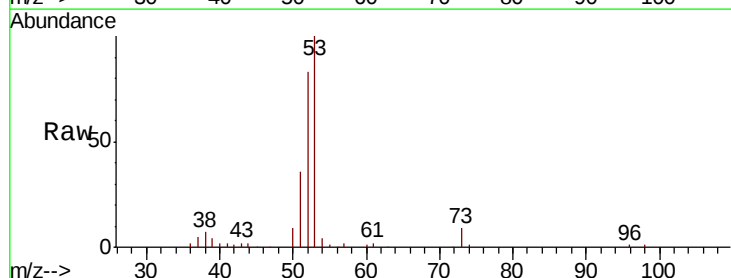
Tgt Ion: 53 Resp: 203080

Ion Ratio Lower Upper

53 100

52 84.5 18.3 54.8#

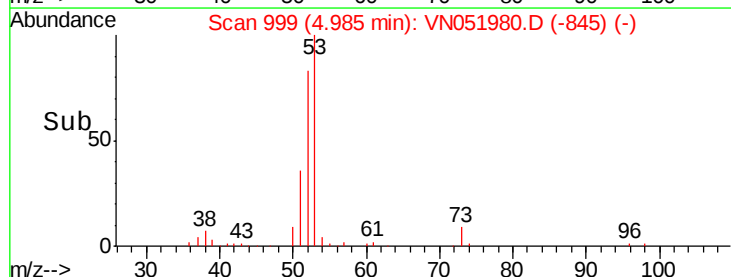
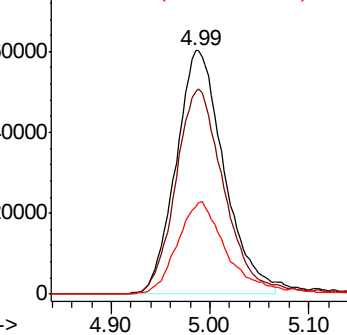
51 38.4 19.7 59.1

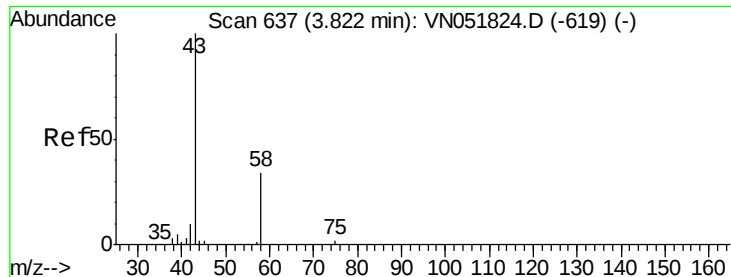


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 98.201 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

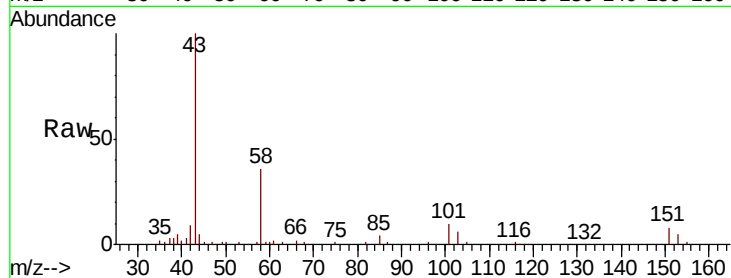
VN1024WBS02

Tot Ion: 58 Resp: 50703

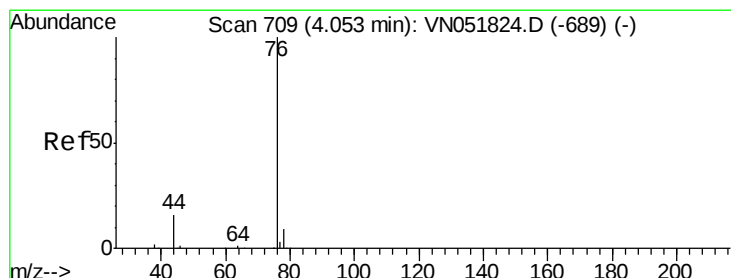
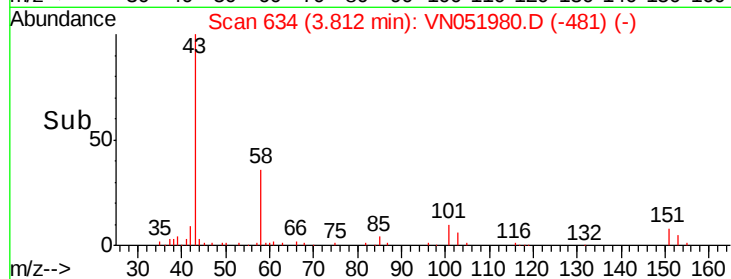
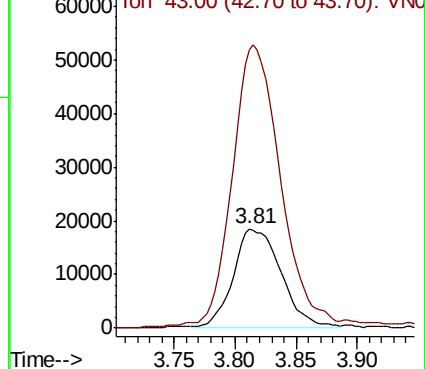
Ion Ratio Lower Upper

58 100

43 280.3 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051980.D (-553) (-)



#16

Carbon Disulfide

Concen: 17.900 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051980.D

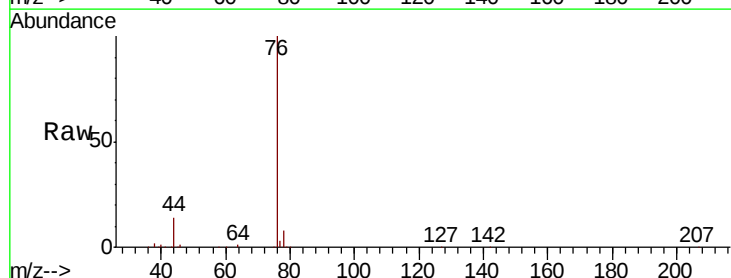
Acq: 24 Oct 2018 11:47

Tgt Ion: 76 Resp: 353788

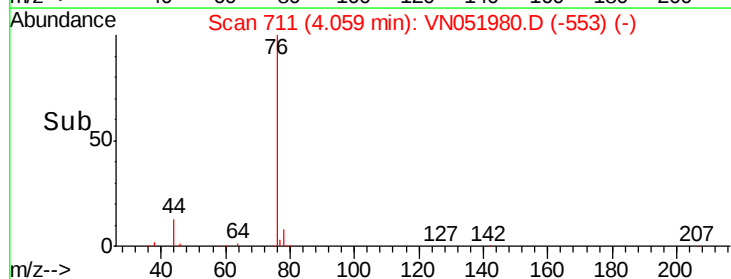
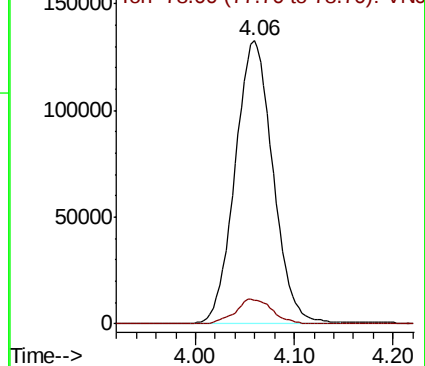
Ion Ratio Lower Upper

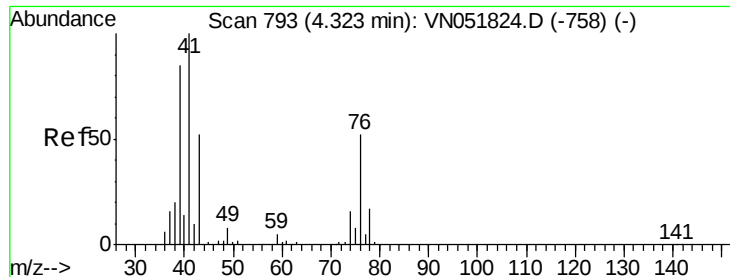
76 100

78 8.4 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051980.D (-553) (-)

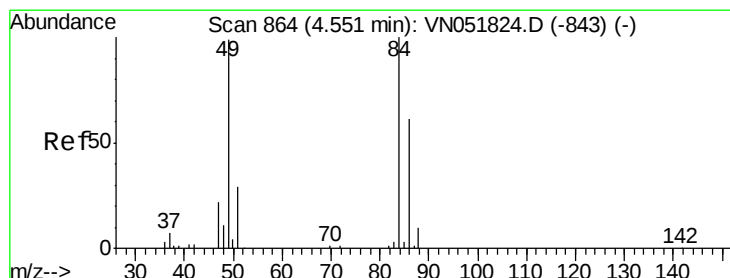
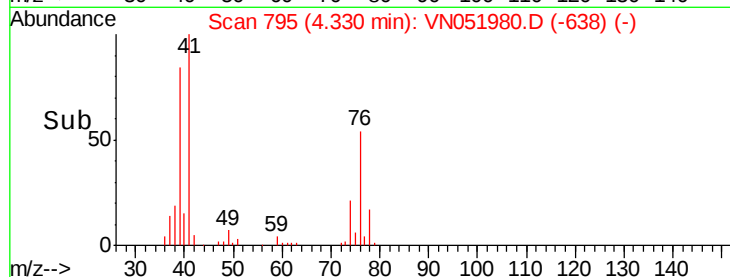
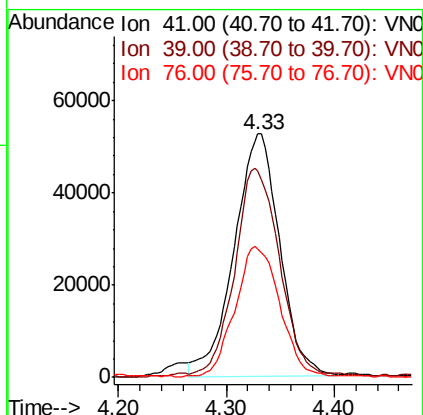
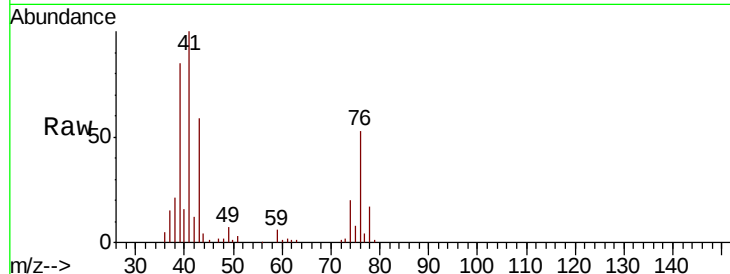




#17
Allvl chloride
Concen: 17.298 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

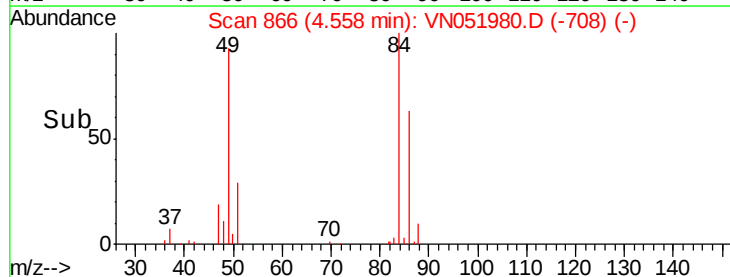
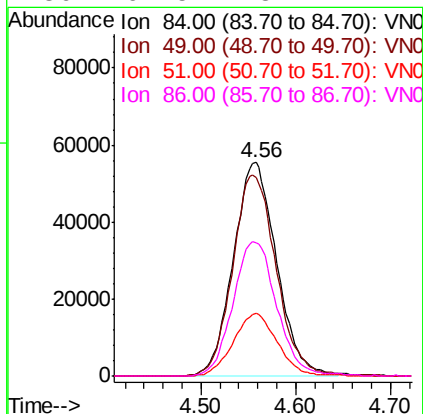
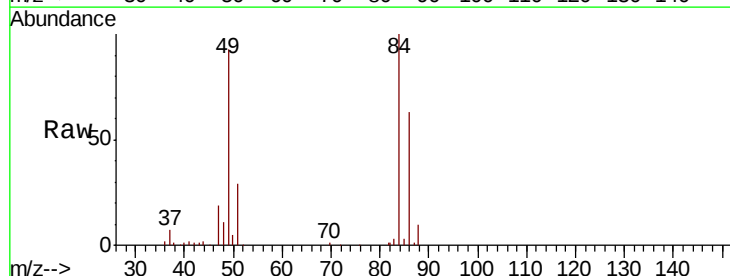
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

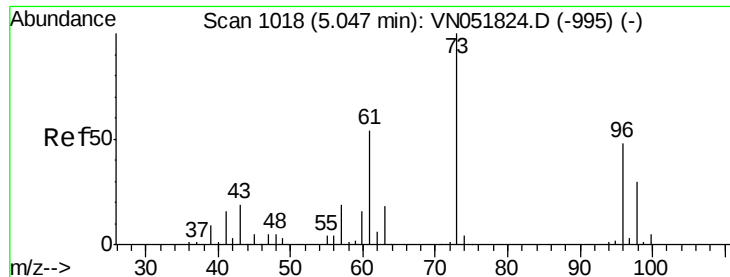
Tot Ion: 41 Resp: 154552
Ion Ratio Lower Upper
41 100
39 84.4 32.6 97.8
76 52.9 20.2 60.5



#18
Methylene Chloride
Concen: 20.966 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 84 Resp: 176420
Ion Ratio Lower Upper
84 100
49 92.3 91.6 137.4
51 29.4 29.8 44.6#
86 62.5 48.2 72.4

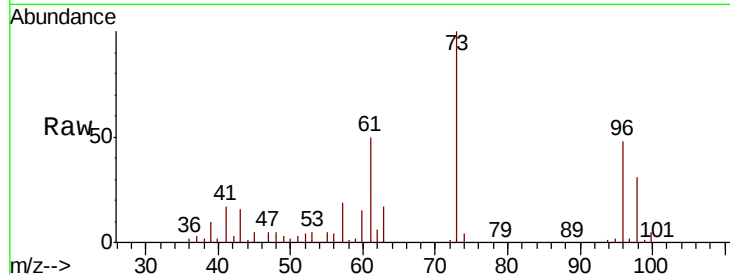




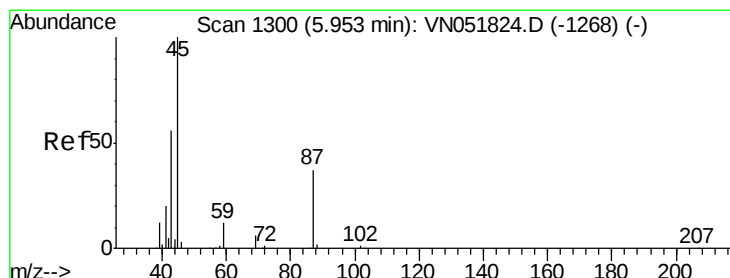
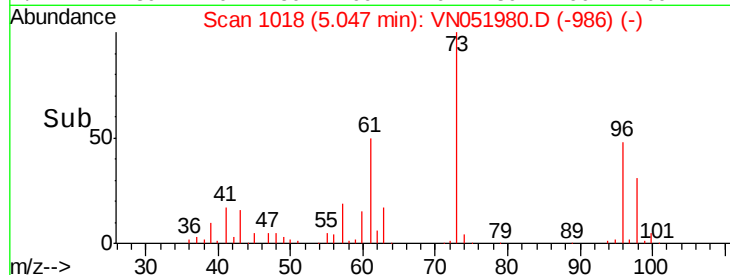
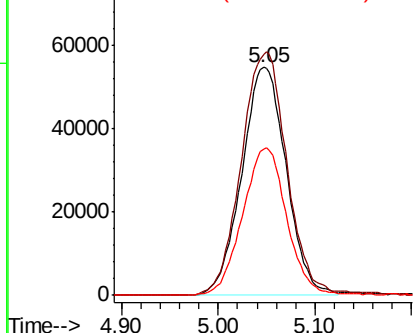
#19
trans-1,2-Dichloroethene
Concen: 20.292 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

Tot Ion: 96 Resp: 174376
Ion Ratio Lower Upper
96 100
61 105.5 112.3 168.5#
98 64.4 47.1 70.7

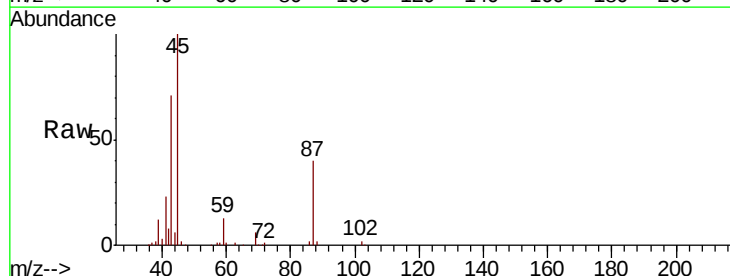


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

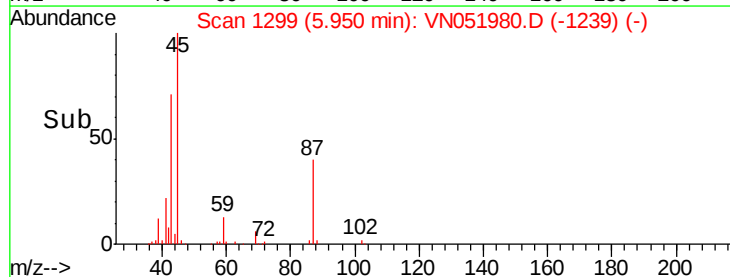
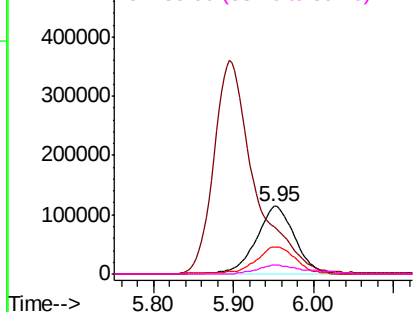


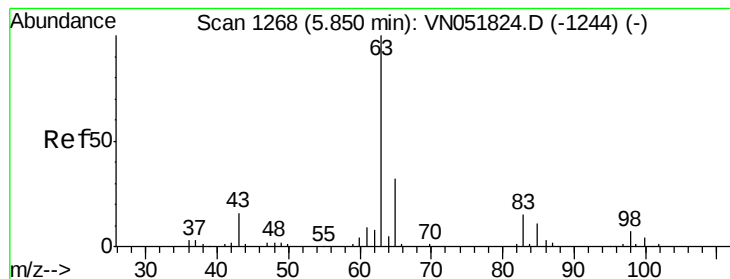
#20
Diisopropyl ether
Concen: 18.925 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 45 Resp: 376590
Ion Ratio Lower Upper
45 100
43 67.5 62.1 93.1
87 40.3 19.9 29.9#
59 12.4 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.602 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

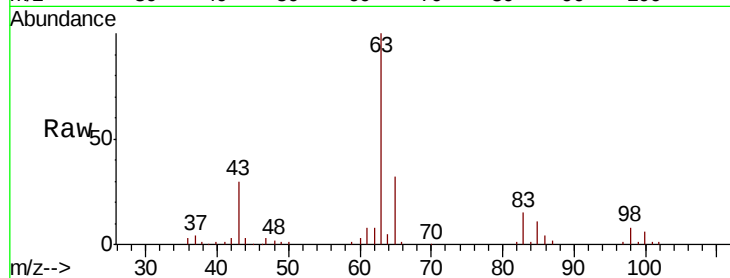
Tot Ion: 63 Resp: 272547

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

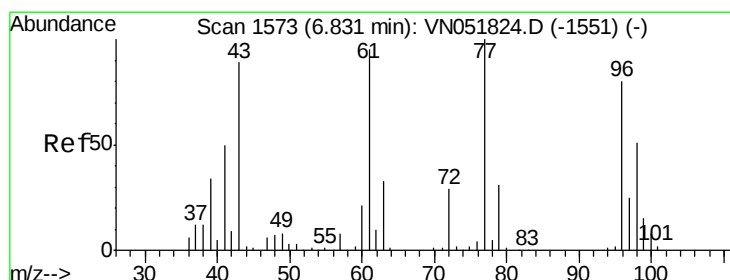
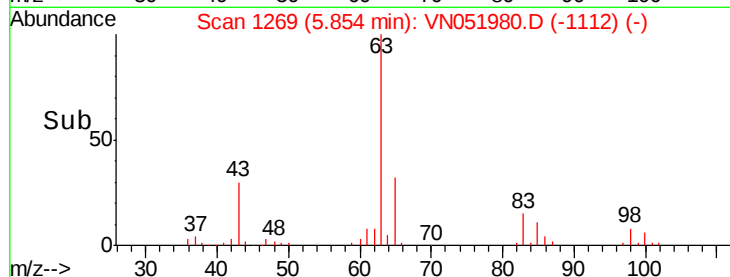
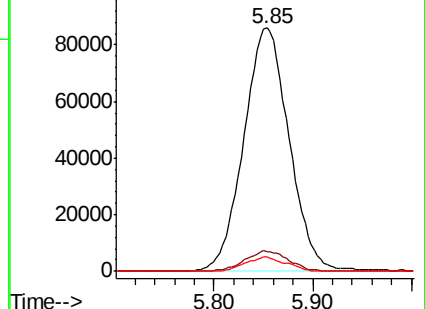
100 6.0 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.341 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

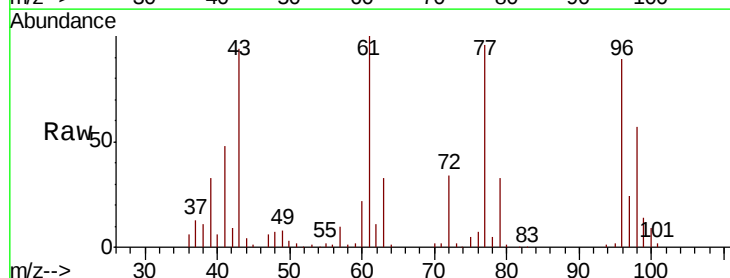
Tgt Ion: 96 Resp: 205307

Ion Ratio Lower Upper

96 100

61 118.7 124.5 186.7#

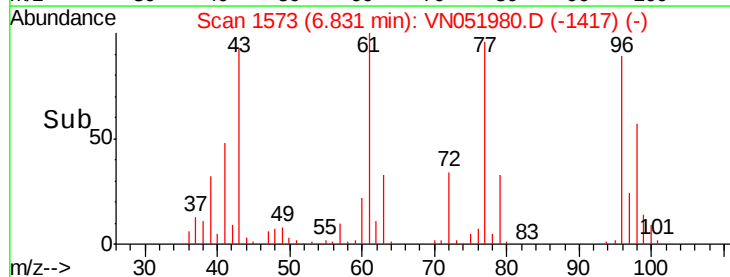
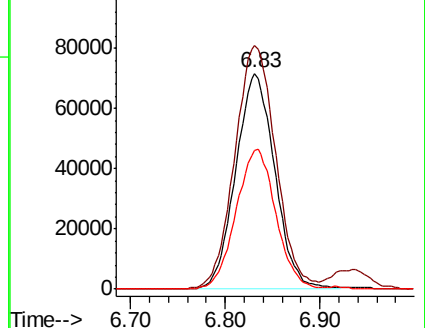
98 66.1 51.9 77.9

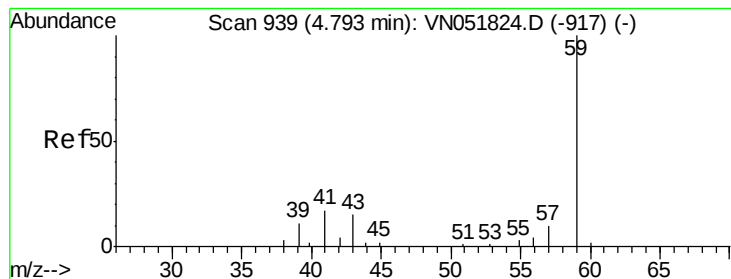


Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)





#23

tert-Butyl Alcohol

Concen: 78.306 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.01 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

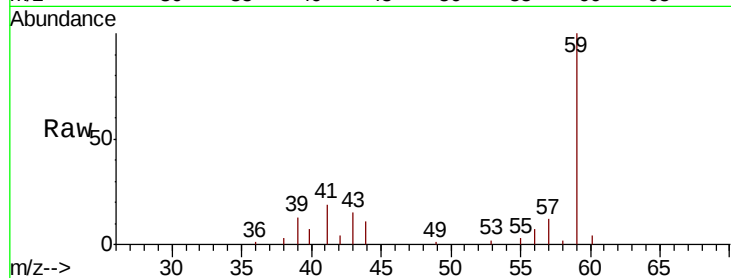
VN1024WBS02

Tot Ion: 59 Resp: 43075

Ion Ratio Lower Upper

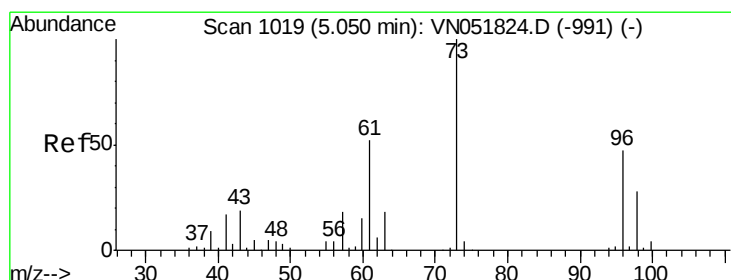
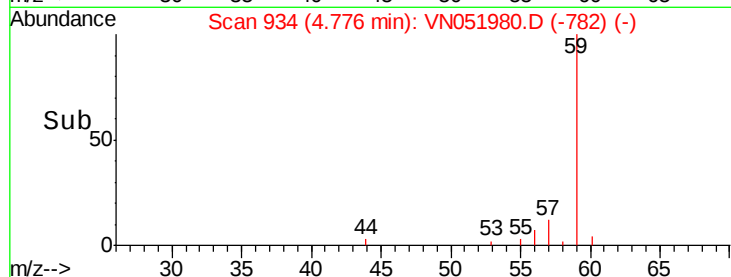
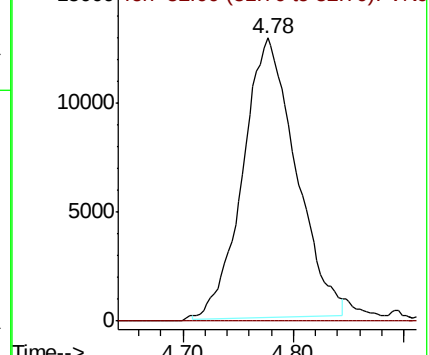
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN051824.D (-917) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-917) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.218 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051980.D

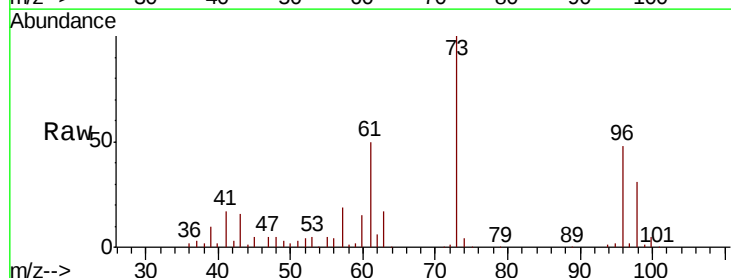
Acq: 24 Oct 2018 11:47

Tgt Ion: 73 Resp: 416701

Ion Ratio Lower Upper

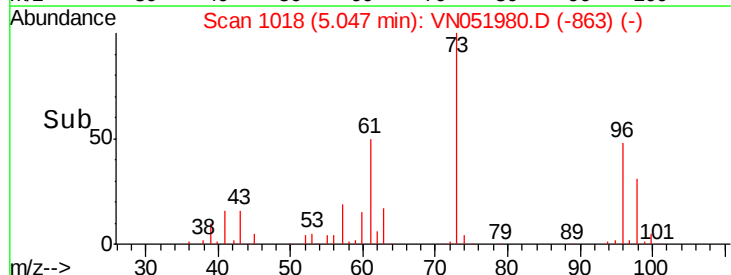
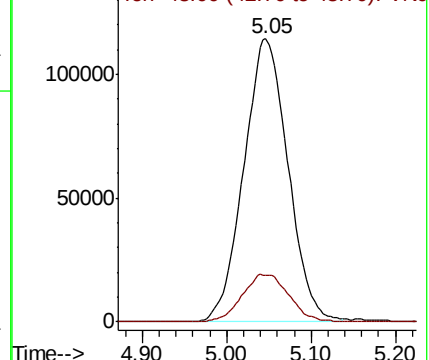
73 100

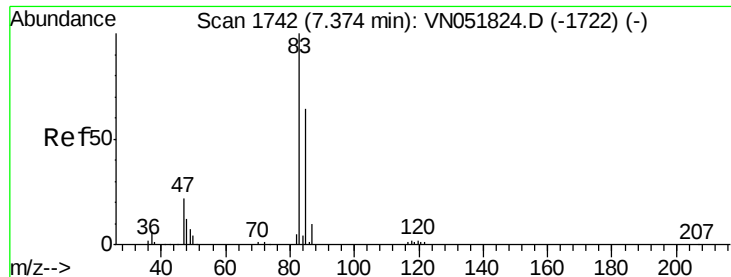
43 9.0 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN051824.D (-991) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-991) (-)





#25

Chloroform

Concen: 20.399 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

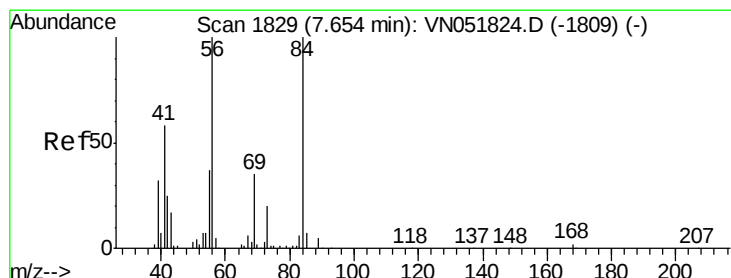
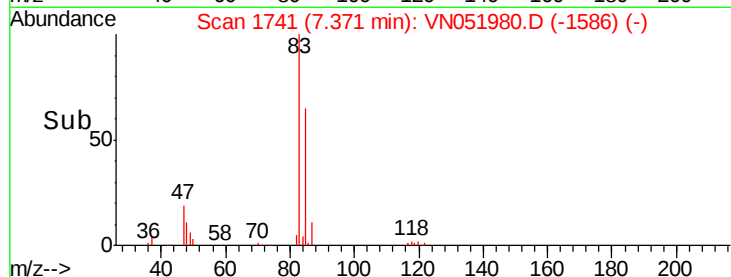
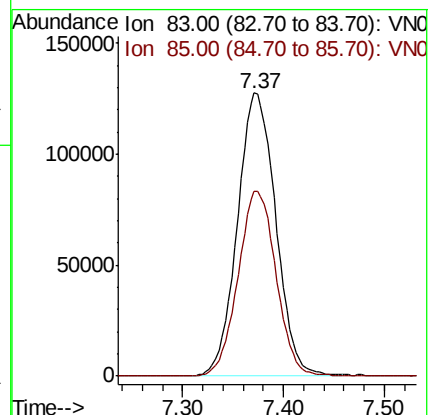
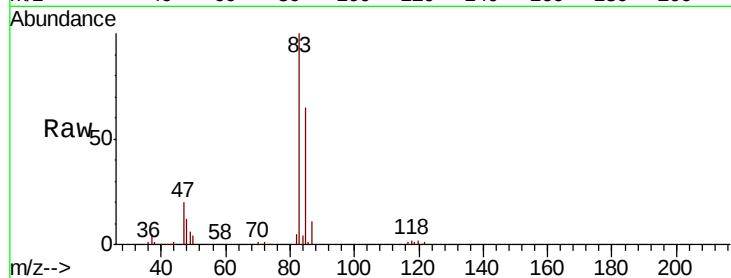
VN1024WBS02

Tot Ion: 83 Resp: 336489

Ion Ratio Lower Upper

83 100

85 65.4 54.6 82.0



#26

Cyclohexane

Concen: 18.734 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

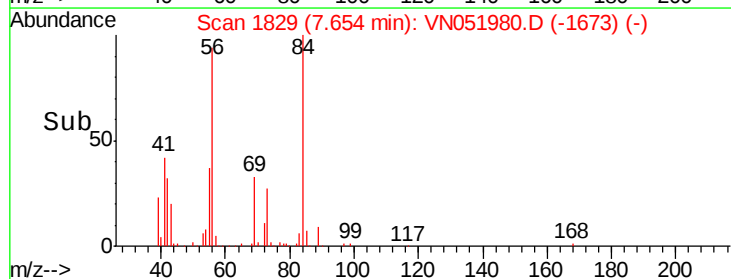
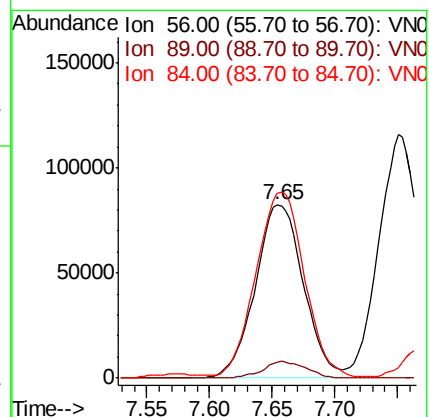
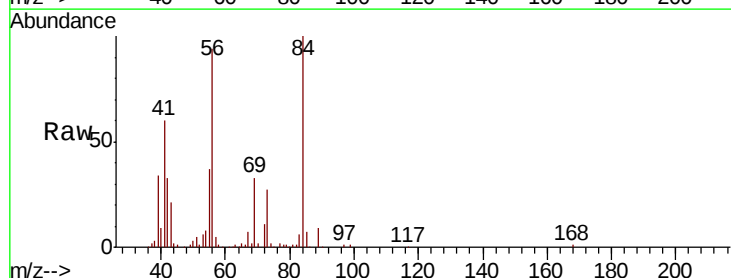
Tgt Ion: 56 Resp: 220832

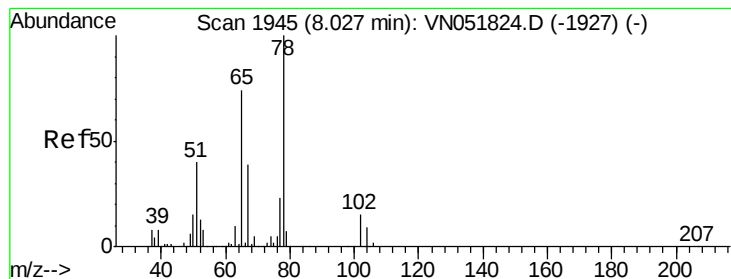
Ion Ratio Lower Upper

56 100

89 8.8 1.5 2.3#

84 108.8 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 18.734 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

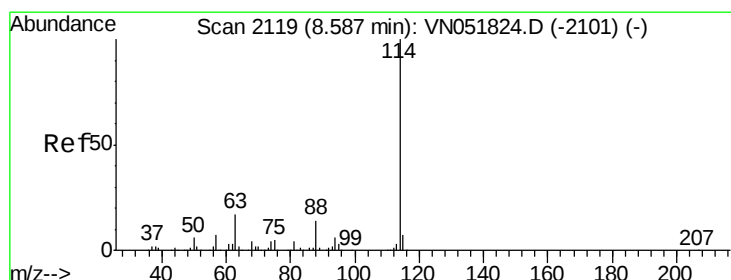
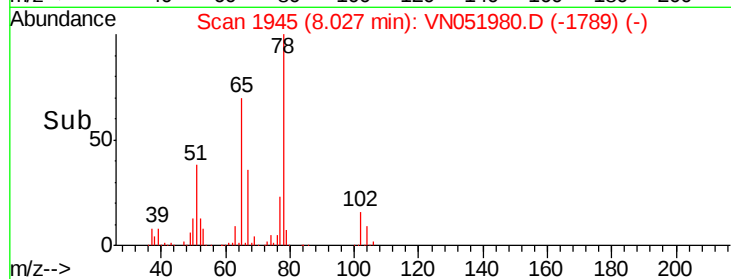
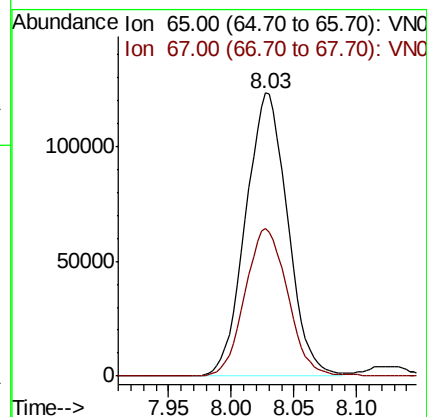
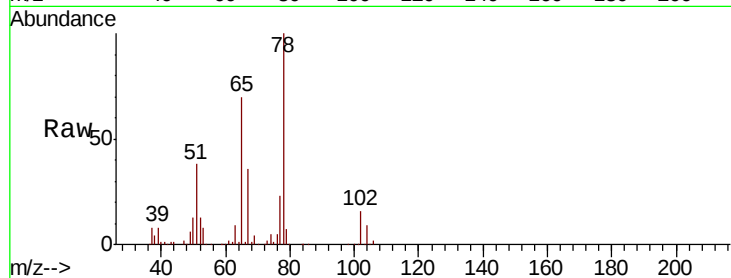
VN1024WBS02

Tot Ion: 65 Resp: 286939

Ion Ratio Lower Upper

65 100

67 52.7 41.8 62.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.73 min Scan# 2164

Delta R.T. 0.14 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

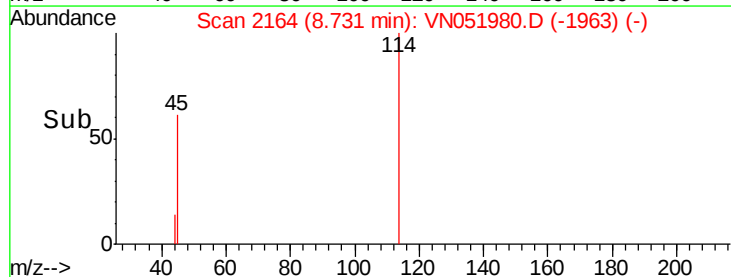
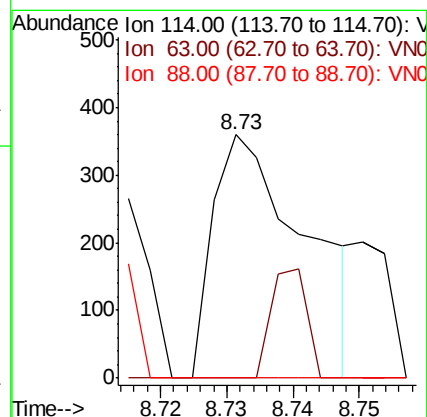
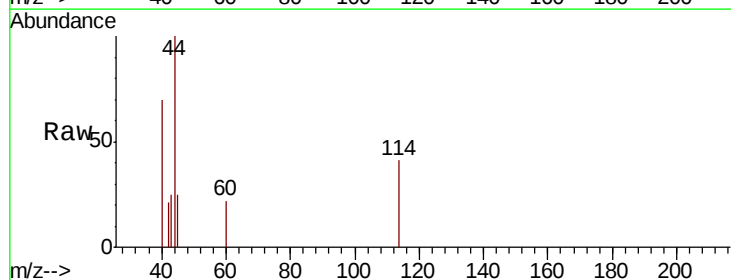
Tgt Ion: 114 Resp: 347

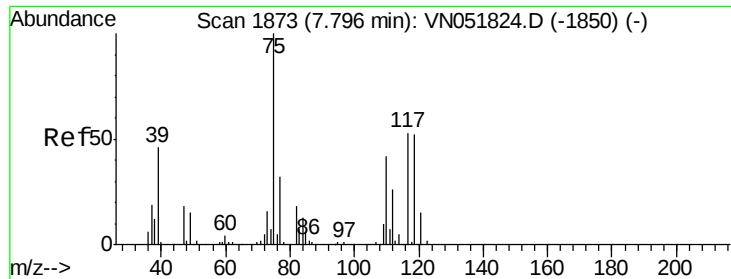
Ion Ratio Lower Upper

114 100

63 17.6 16.2 24.2

88 18.2 12.2 18.4

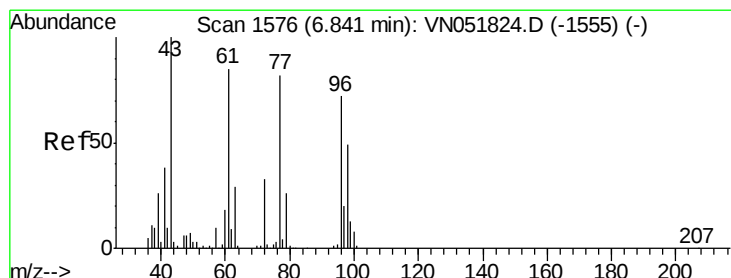
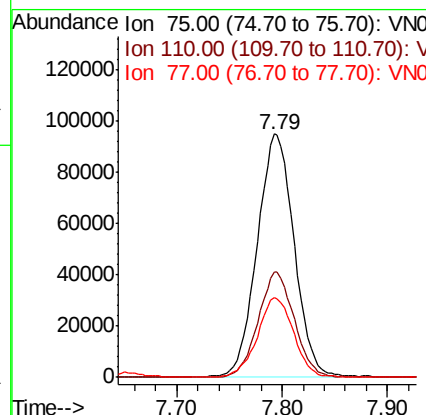
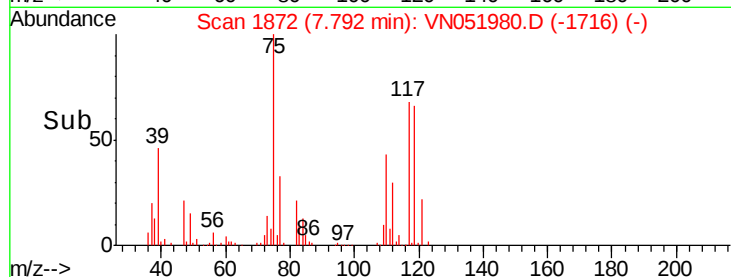
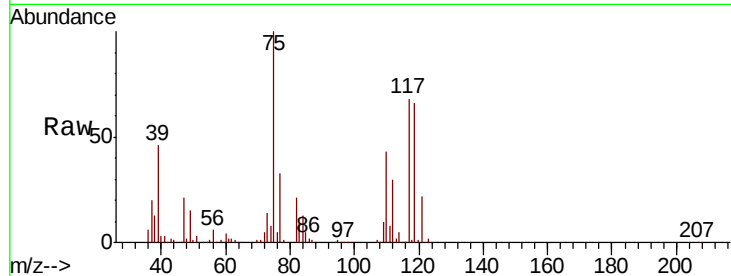




#29
 1,1-Dichloropropene
 Concen: 51752.472 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

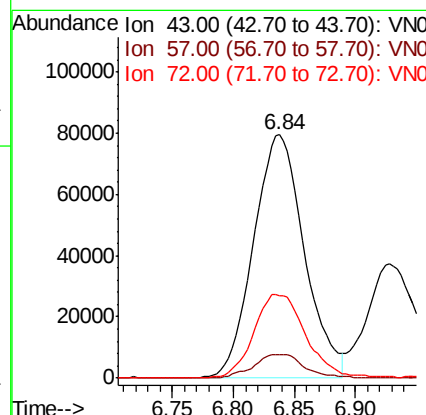
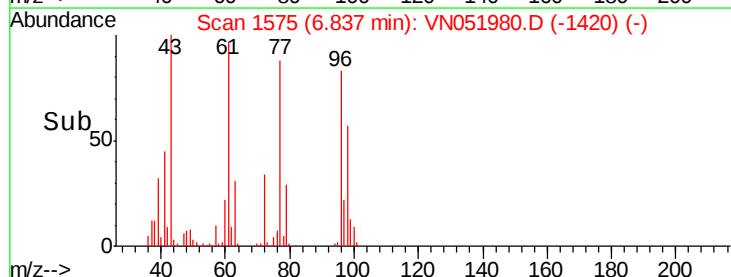
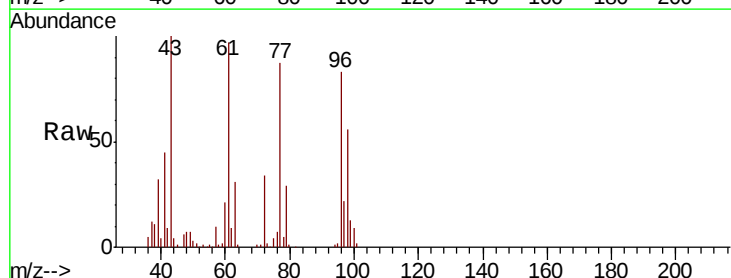
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

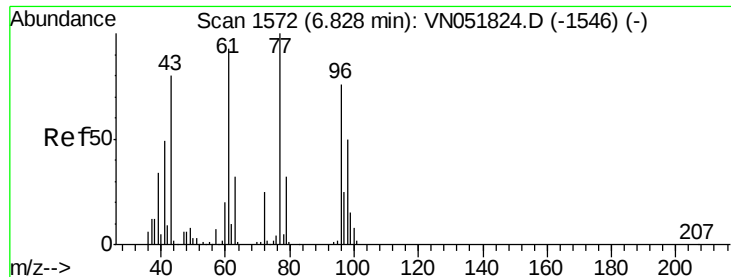
Tot Ion	Ratio	Lower	Upper
75	100		
110	42.1	0.0	70.8
77	32.2	0.0	61.6



#30
 2-Butanone
 Concen: 244137.997 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.2	4.5	6.7
72	35.0	21.5	32.3

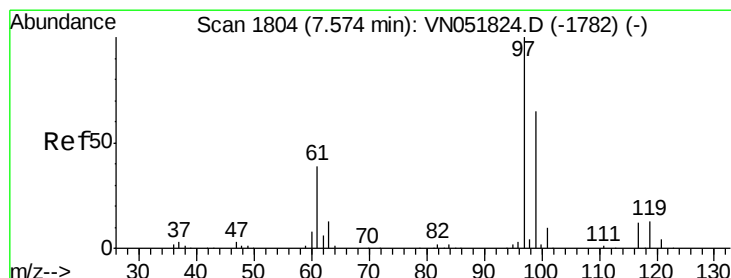
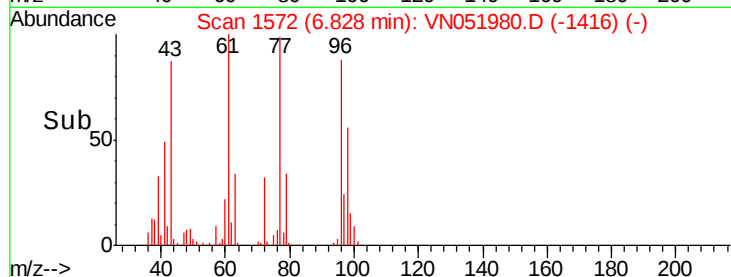
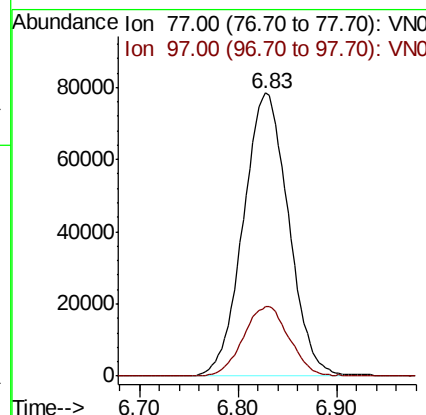
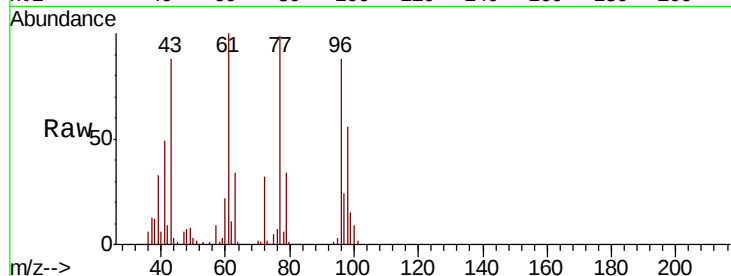




#31
 2,2-Dichloropropane
 Concen: 47315.404 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

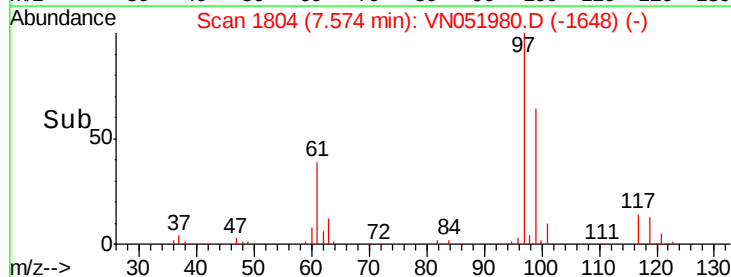
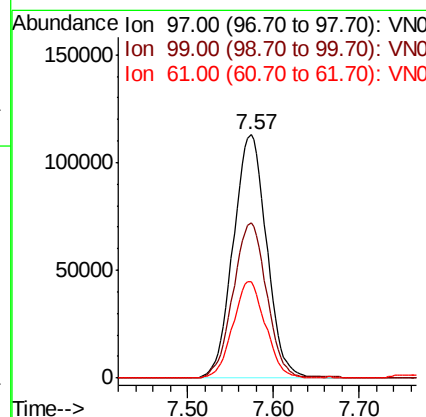
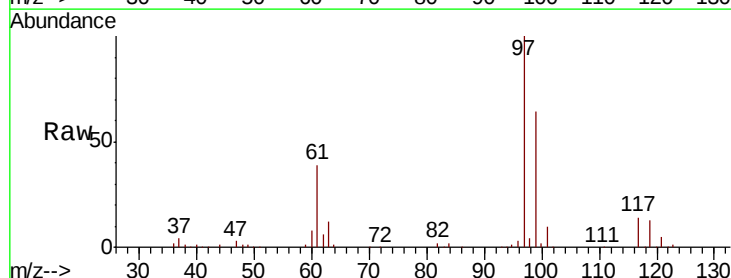
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

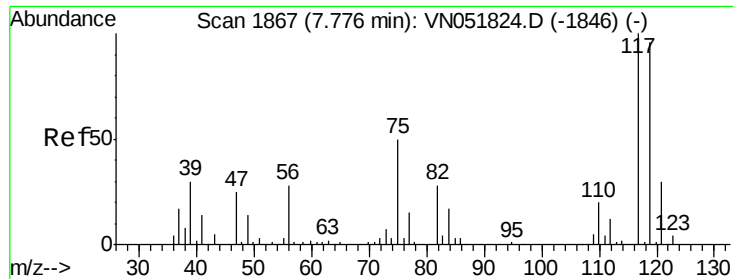
Tot Ion: 77 Resp: 248965
 Ion Ratio Lower Upper
 77 100
 97 24.9 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 51397.022 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Tgt Ion: 97 Resp: 304787
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.6 77.4
 61 38.8 37.4 56.0





#33

Carbon Tetrachloride

Concen: 50077.909 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS02

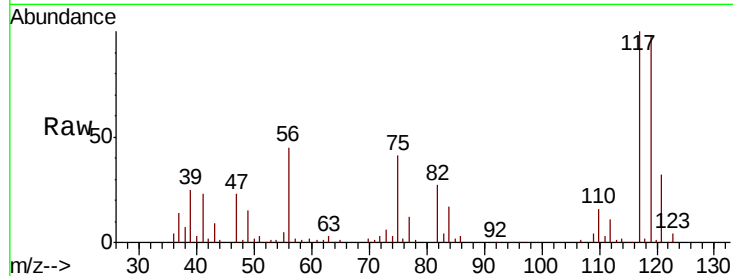
Tot Ion:117 Resp: 268675

Ion Ratio Lower Upper

117 100

119 98.2 85.1 127.7

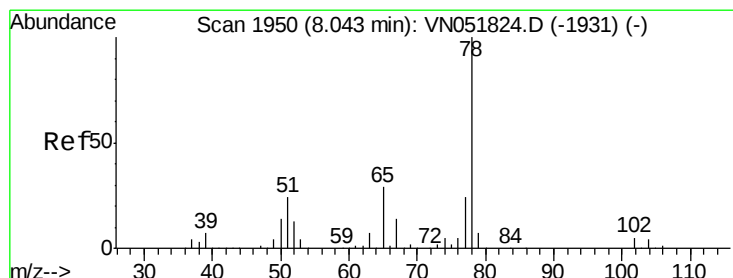
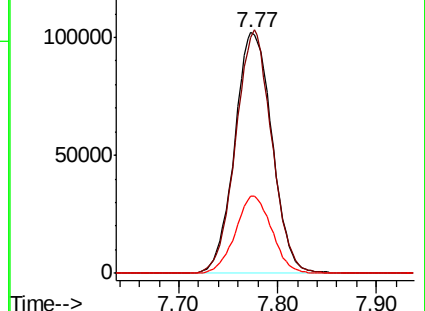
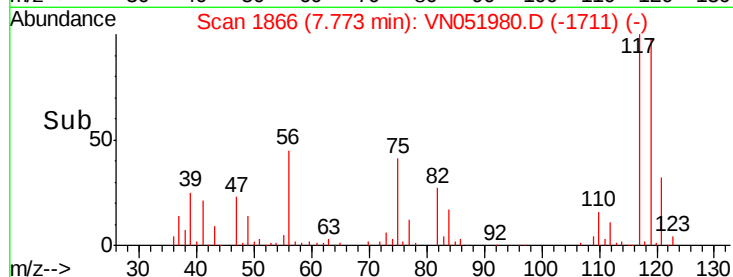
121 31.9 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 52740.021 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

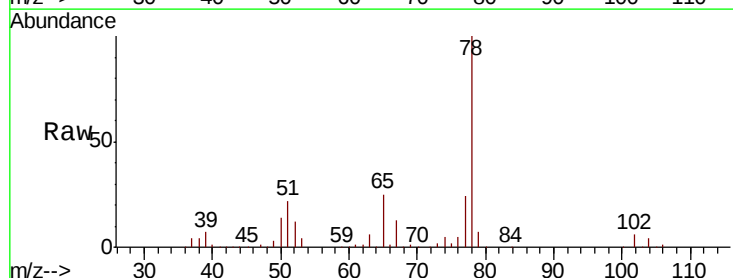
Tgt Ion: 78 Resp: 697787

Ion Ratio Lower Upper

78 100

77 24.2 18.8 28.2

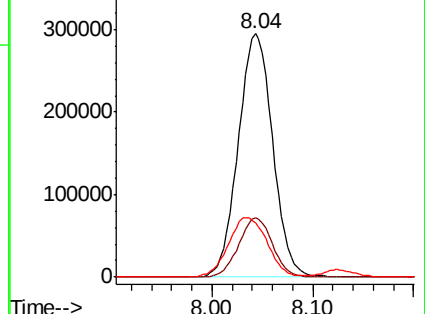
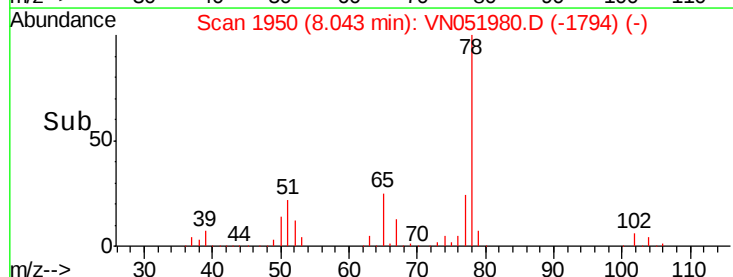
51 22.0 46.2 69.4#

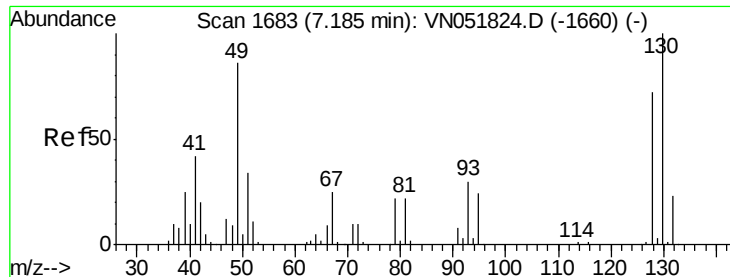


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

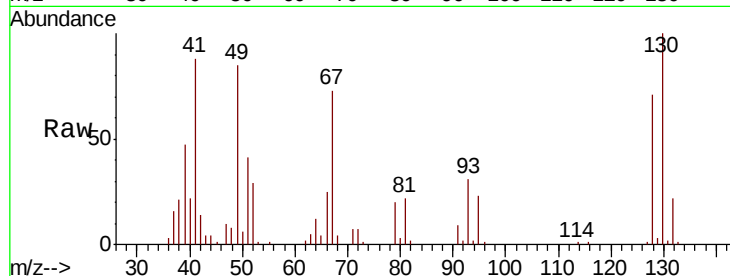




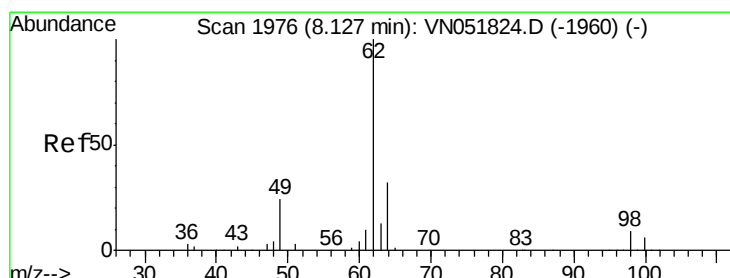
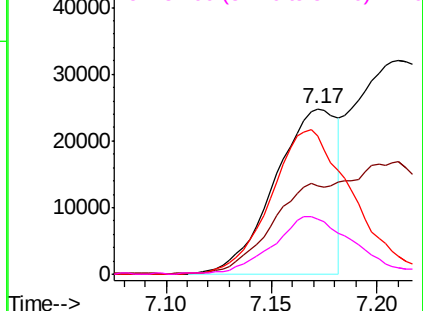
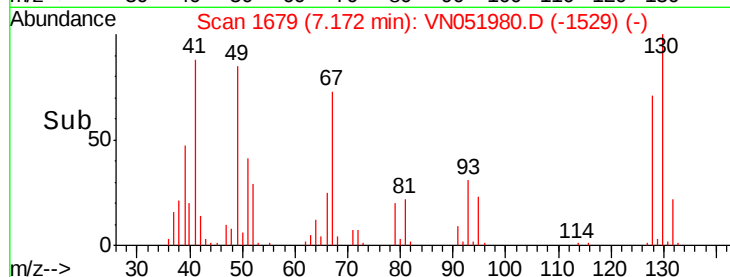
#35
Methacrylonitrile
Concen: 41490.820 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

Tot Ion: 41 Resp: 50962
Ion Ratio Lower Upper
41 100
39 52.4 22.6 67.7
67 82.7 28.9 86.8
52 32.5 11.3 33.9

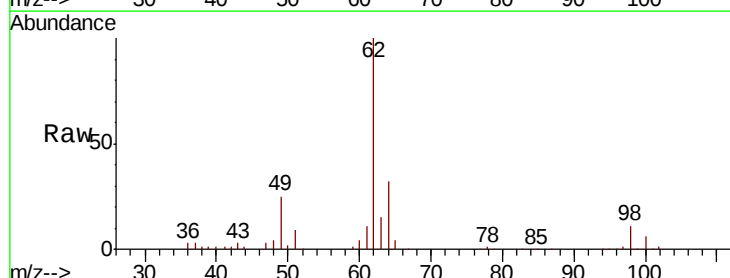


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

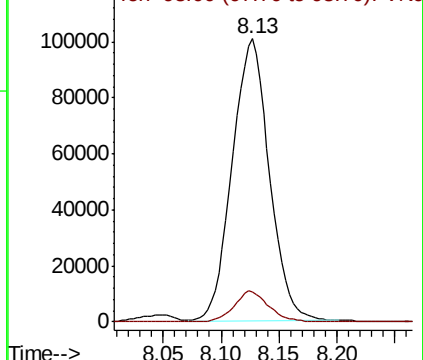
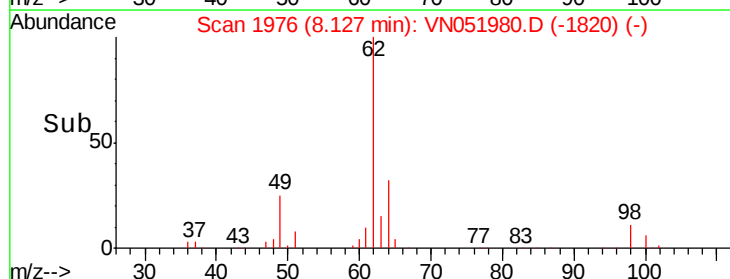


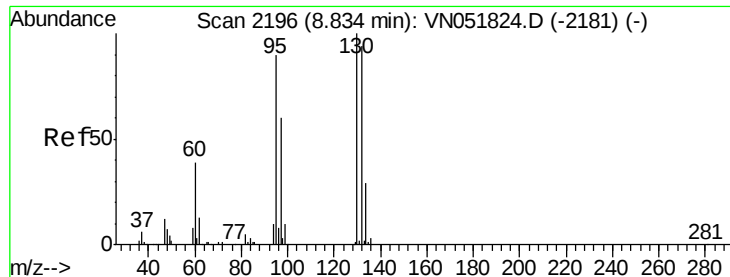
#36
1,2-Dichloroethane
Concen: 52720.553 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 62 Resp: 223502
Ion Ratio Lower Upper
62 100
98 10.3 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 54408.187 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

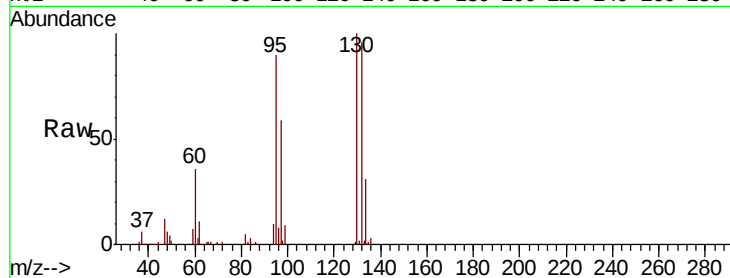
VN1024WBS02

Tot Ion:130 Resp: 223461

Ion Ratio Lower Upper

130 100

95 89.6 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

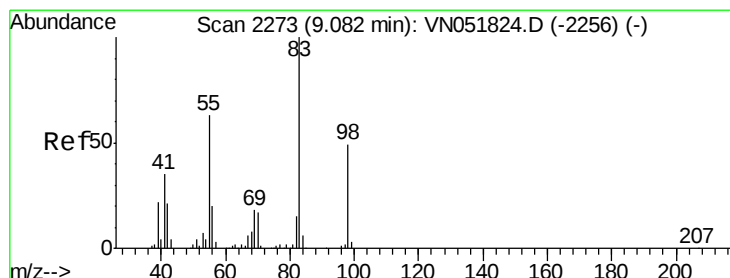
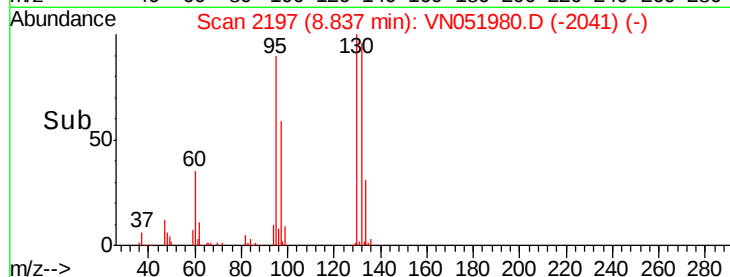
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 51066.364 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

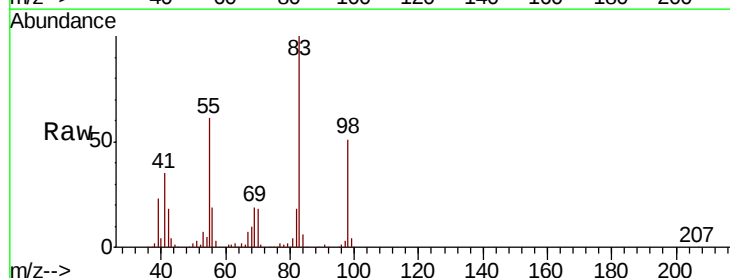
Tgt Ion: 83 Resp: 292963

Ion Ratio Lower Upper

83 100

55 61.4 43.0 129.2

98 50.1 21.3 63.7



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

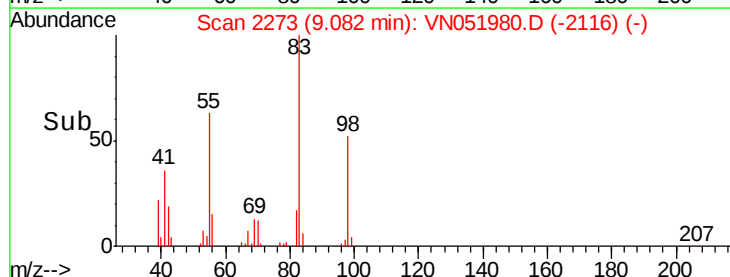
150000

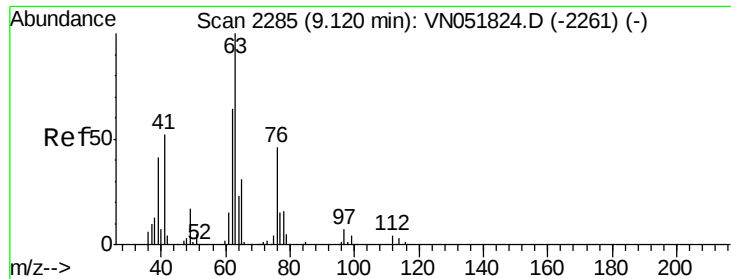
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 52799.259 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

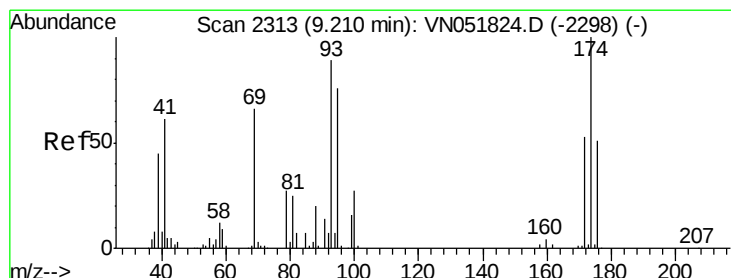
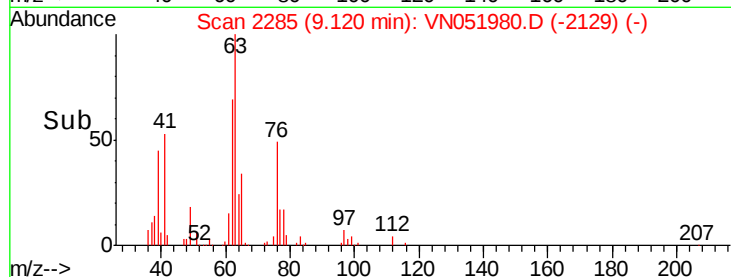
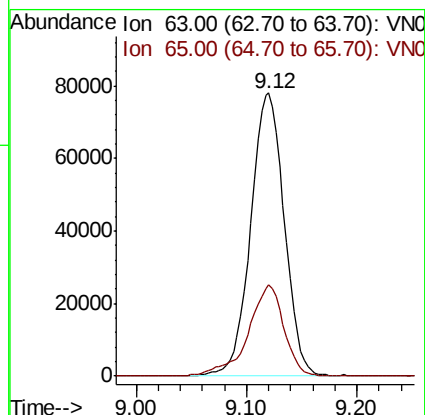
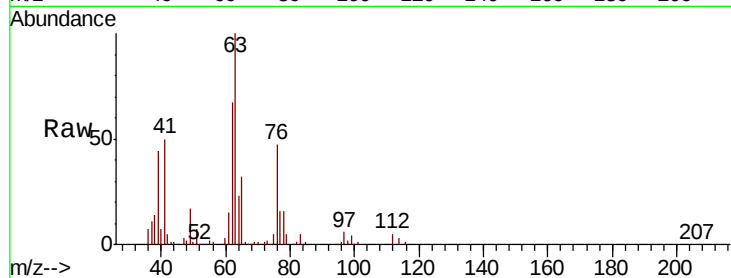
VN1024WBS02

Tot Ion: 63 Resp: 164514

Ion Ratio Lower Upper

63 100

65 32.1 23.2 34.8



#40

Dibromomethane

Concen: 55099.812 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

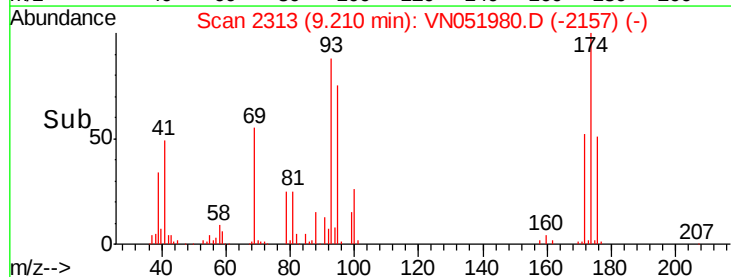
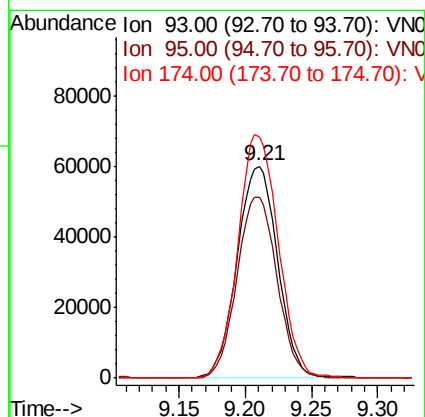
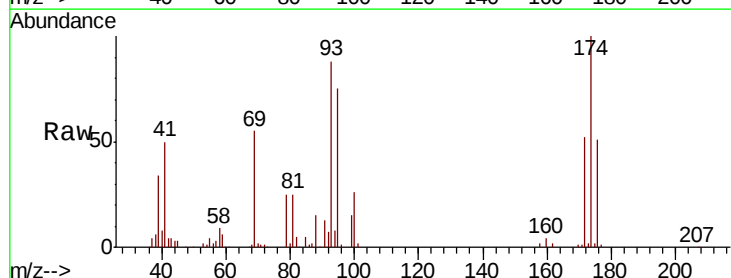
Tgt Ion: 93 Resp: 127420

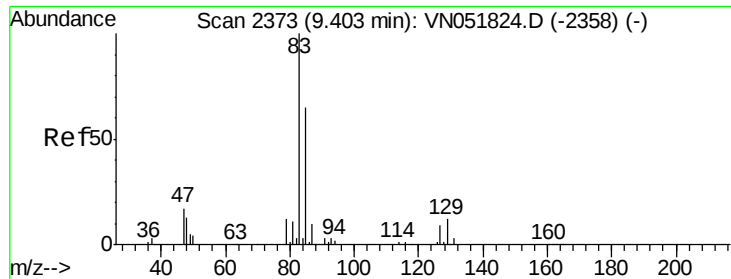
Ion Ratio Lower Upper

93 100

95 84.6 0.0 162.0

174 114.7 0.0 214.0





#41

Bromodichloromethane

Concen: 50562.838 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

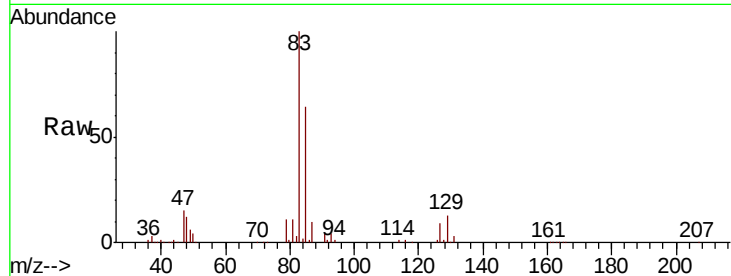
Tot Ion: 83 Resp: 241518

Ion Ratio Lower Upper

83 100

85 64.3 55.7 83.5

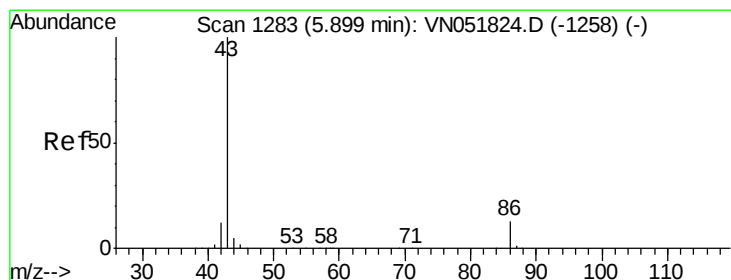
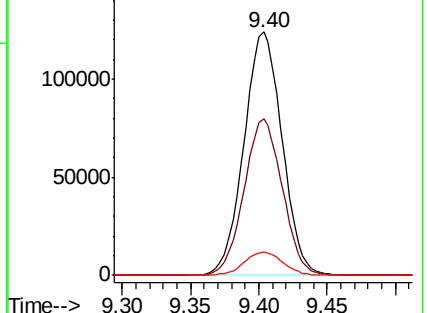
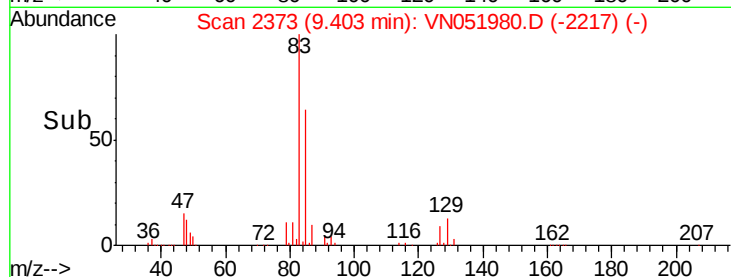
127 9.4 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 240476.272 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051980.D

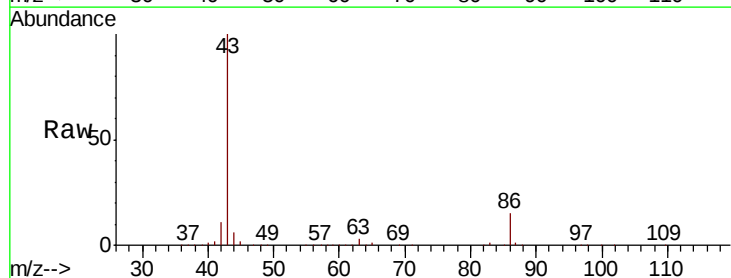
Acq: 24 Oct 2018 11:47

Tgt Ion: 43 Resp: 1265567

Ion Ratio Lower Upper

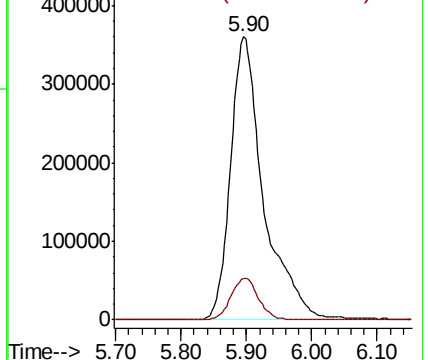
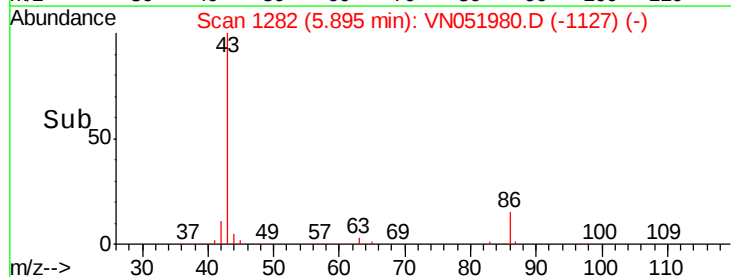
43 100

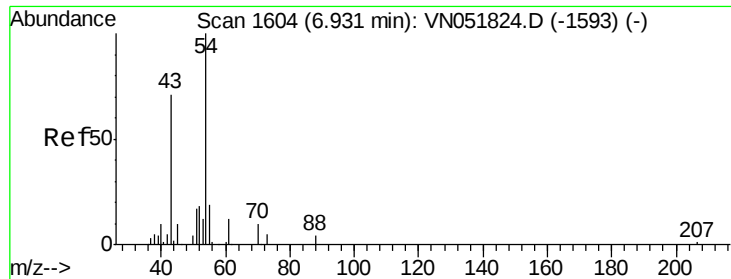
86 12.3 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 231.530 ug/l

RT: 6.61 min Scan# 1504

Delta R.T. -0.32 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

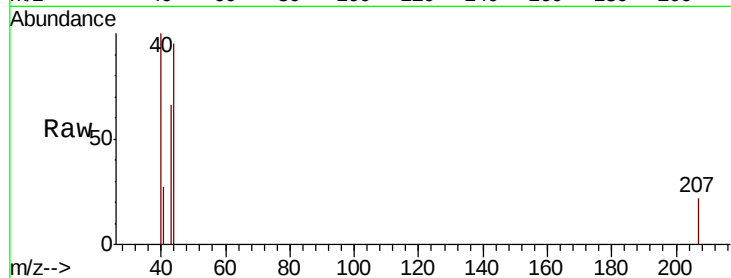
VN1024WBS02

Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

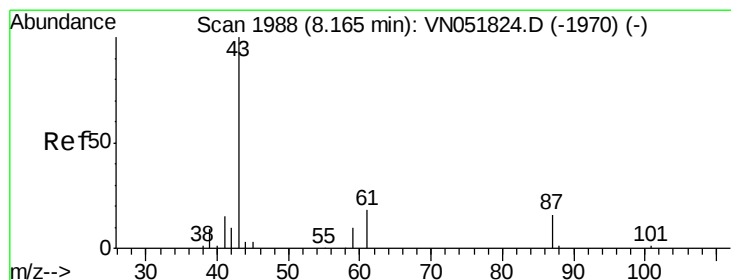
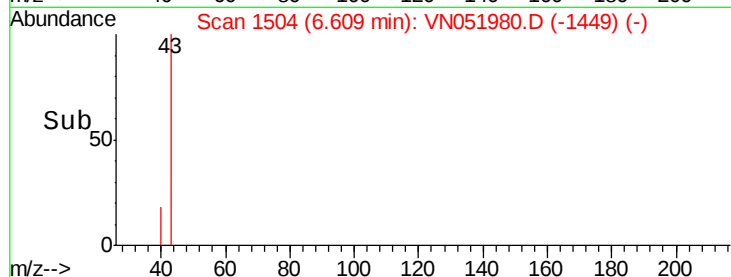
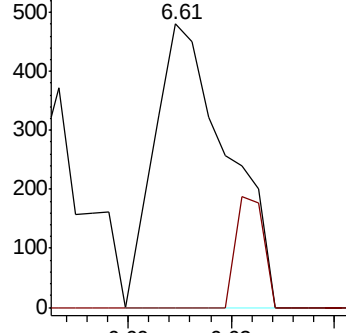
43 100

45 15.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 48455.237 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051980.D

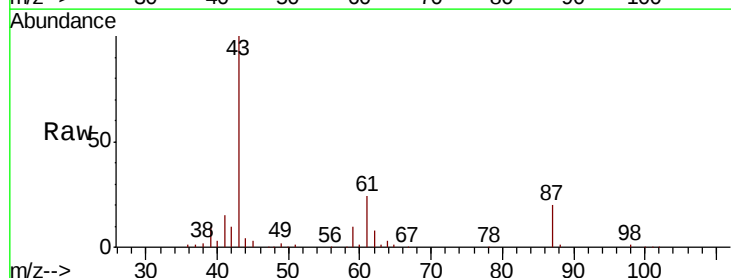
Acq: 24 Oct 2018 11:47

Tgt Ion: 43 Resp: 196469

Ion Ratio Lower Upper

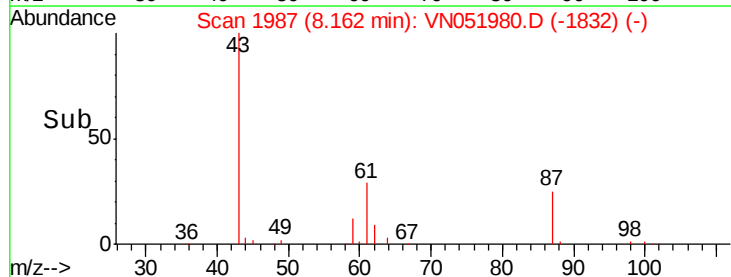
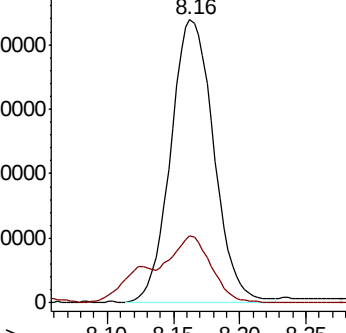
43 100

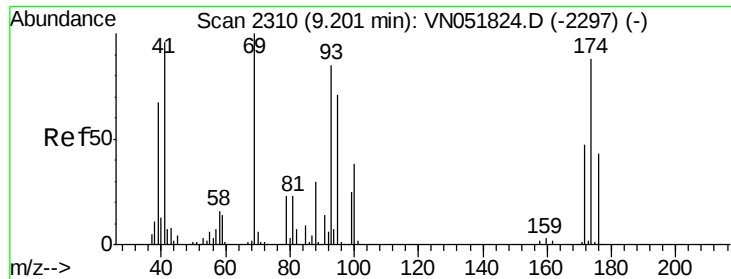
61 23.4 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 949843.745 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

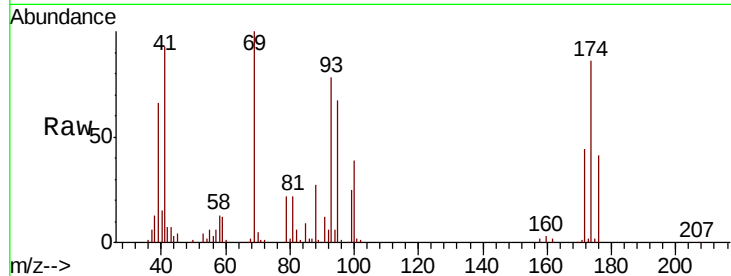
Tot Ion: 88 Resp: 30924

Ion Ratio Lower Upper

88 100

43 26.1 26.2 39.2#

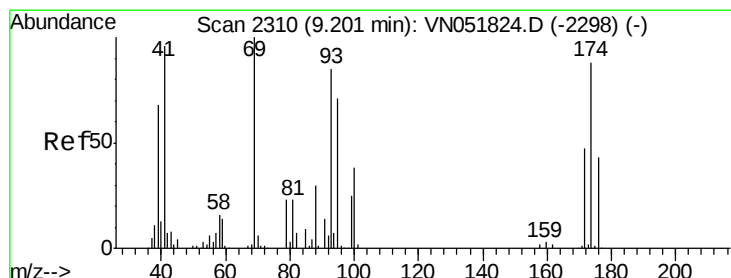
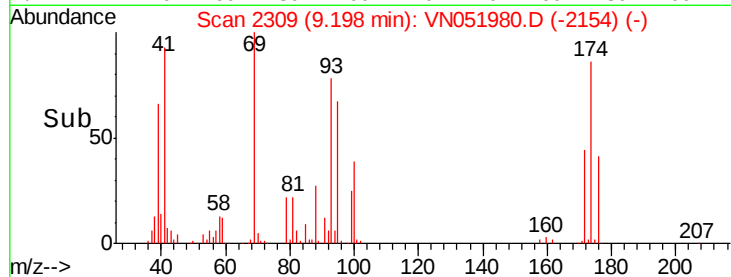
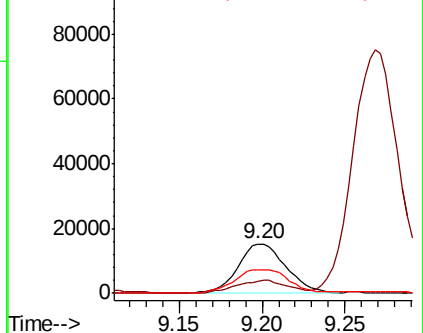
58 55.0 65.6 98.4#



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: 50328.353 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

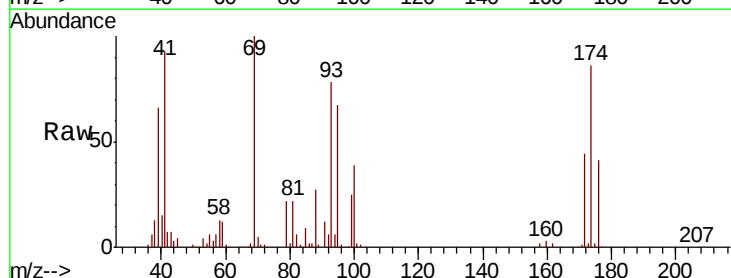
Tgt Ion: 41 Resp: 94125

Ion Ratio Lower Upper

41 100

69 109.0 40.7 122.1

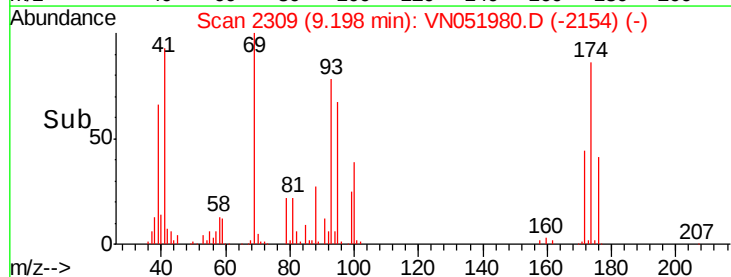
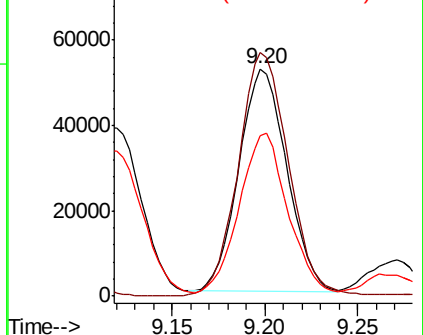
39 70.7 27.3 81.9

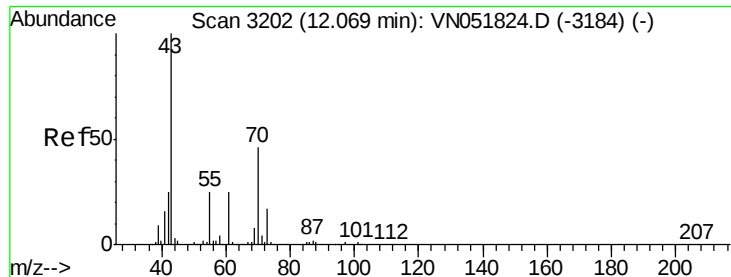


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

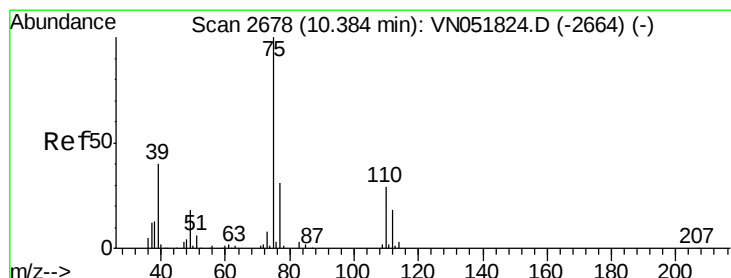
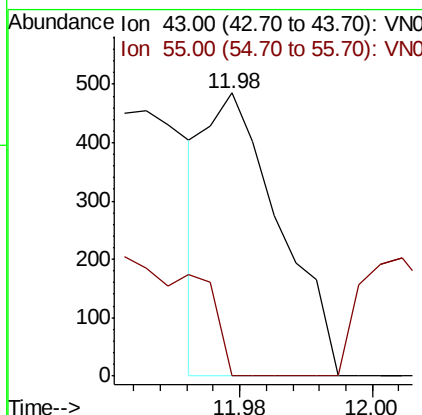
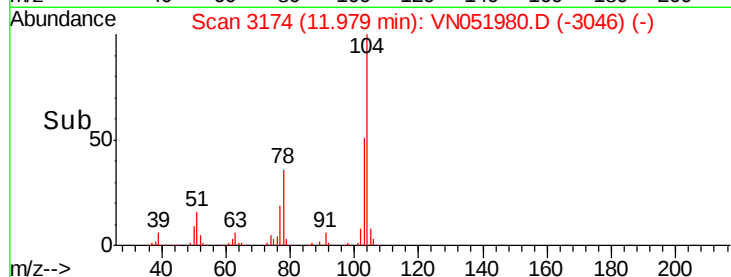
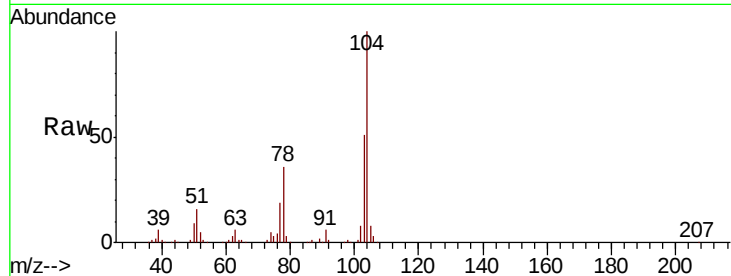




#47
n-amyl Acetate
Concen: 110.775 ug/l
RT: 11.98 min Scan# 3174
Delta R.T. -0.09 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

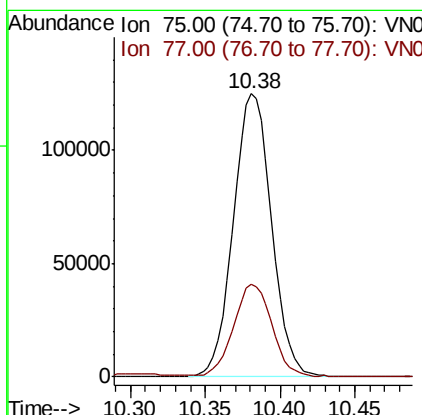
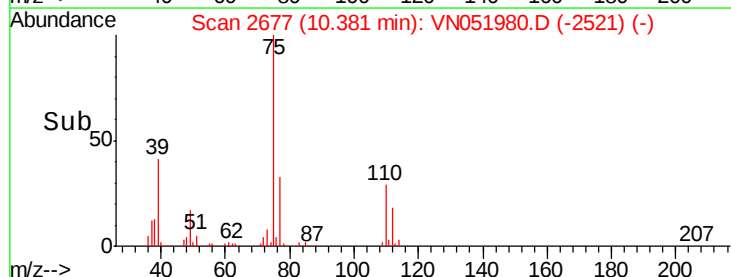
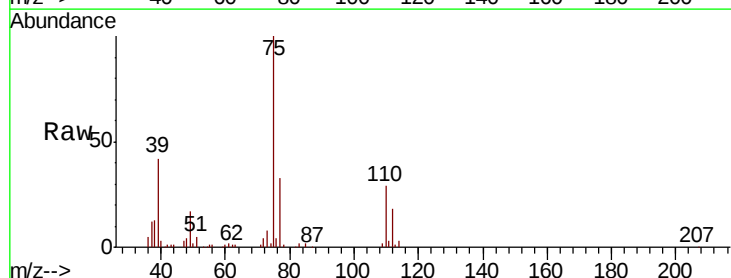
Instrument :
MSVOA_N
ClientSampled :
VN1024WBS02

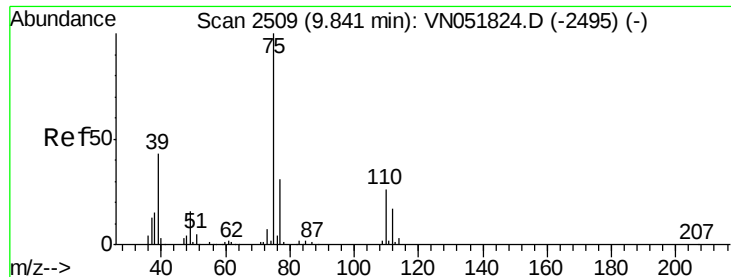
Tot Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
55 17.0 12.2 18.4



#48
t-1,3-Dichloropropene
Concen: 47692.915 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 75 Resp: 222152
Ion Ratio Lower Upper
75 100
77 32.6 24.6 37.0



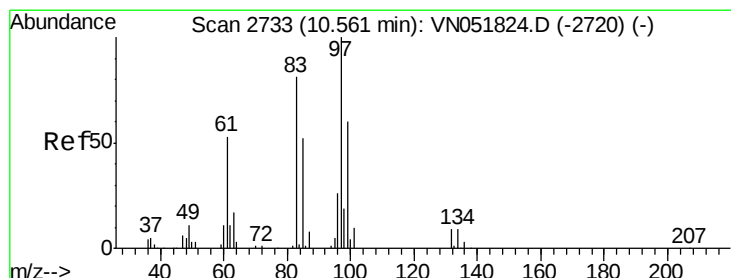
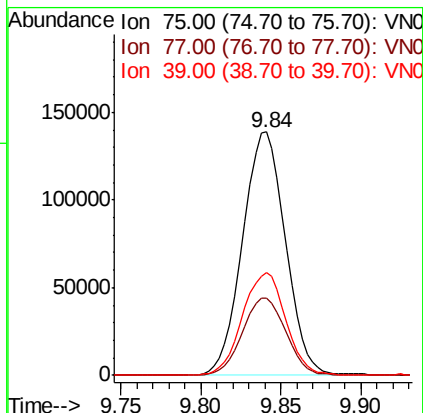
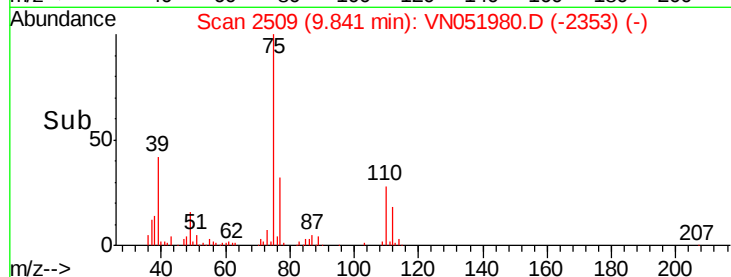
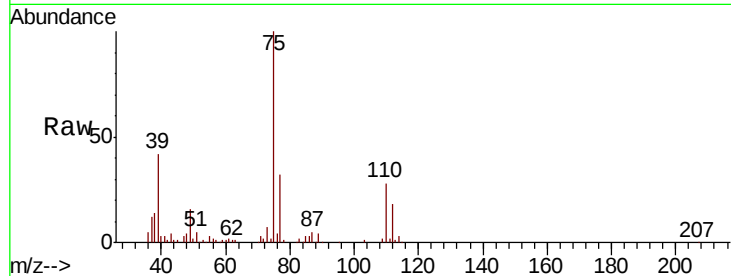


#49

cis-1,3-Dichloropropene
 Concen: 49490.848 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

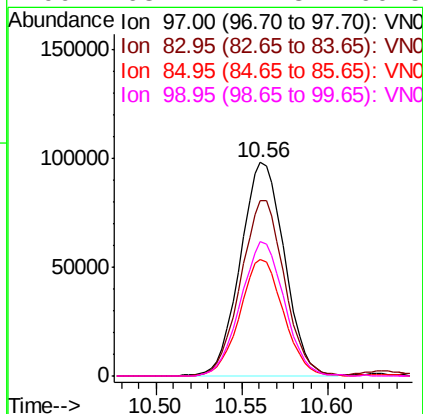
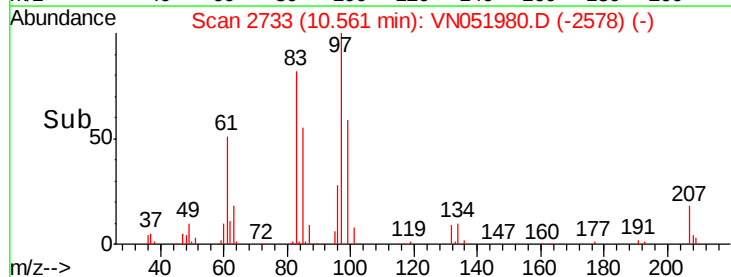
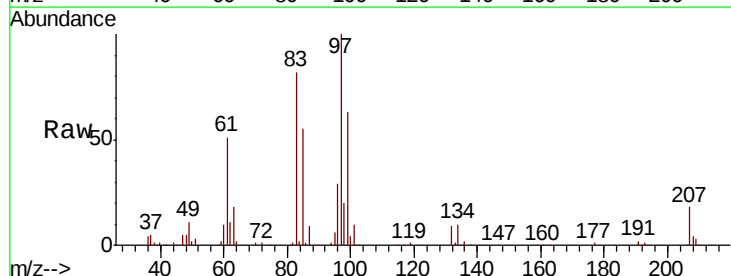
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	41.9	34.6	52.0

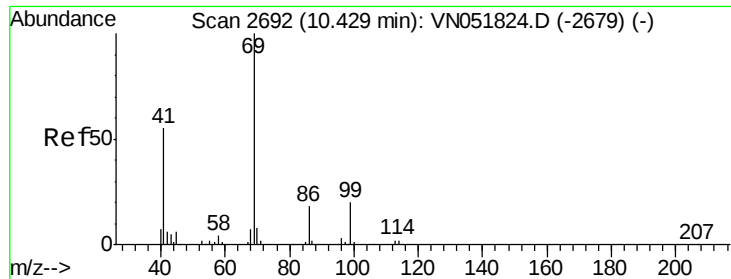


#50

1,1,2-Trichloroethane
 Concen: 54625.871 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.2	102.4
85	55.1	42.5	63.7
99	63.1	44.3	66.5





#51

Ethyl methacrylate

Concen: 50900.708 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

VN1024WBS02

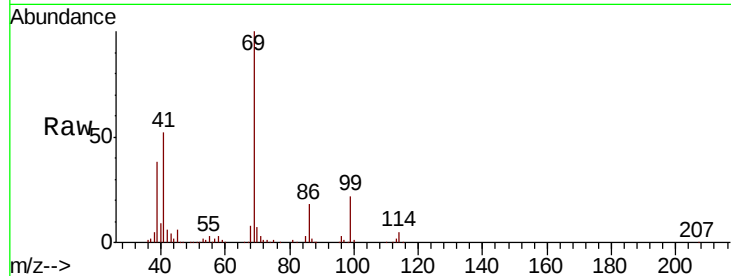
Tot Ion: 69 Resp: 186196

Ion Ratio Lower Upper

69 100

41 51.9 34.4 103.1

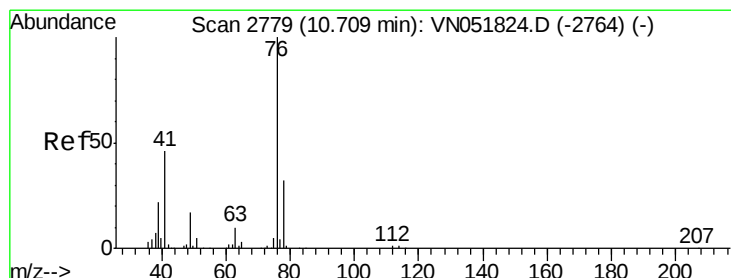
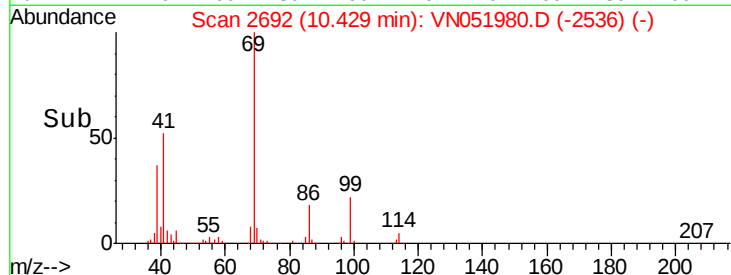
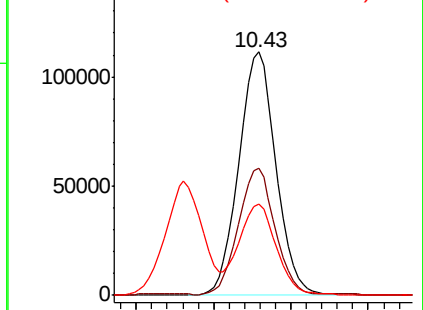
39 37.2 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN051980.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN051980.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN051980.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 53286.571 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051980.D

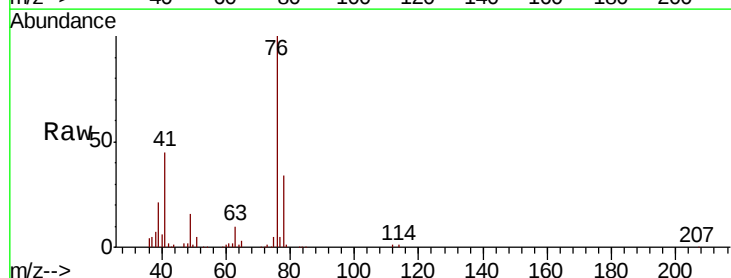
Acq: 24 Oct 2018 11:47

Tgt Ion: 76 Resp: 262773

Ion Ratio Lower Upper

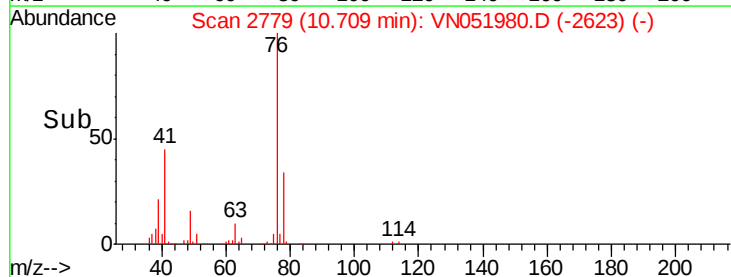
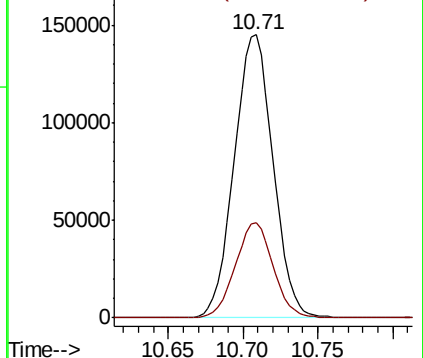
76 100

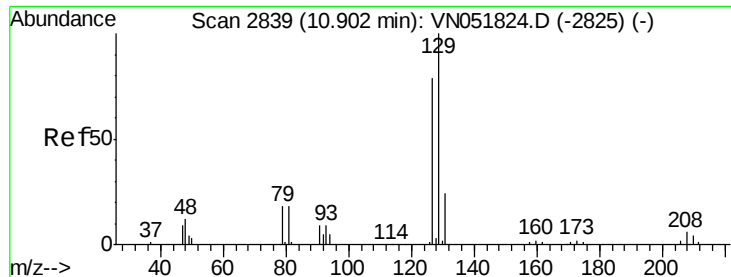
78 32.6 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051980.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN051980.D (-2623) (-)





#53

Dibromochloromethane

Concen: 49508.791 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

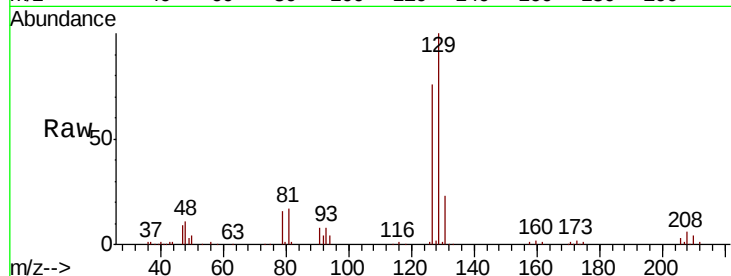
VN1024WBS02

Tot Ion:129 Resp: 195693

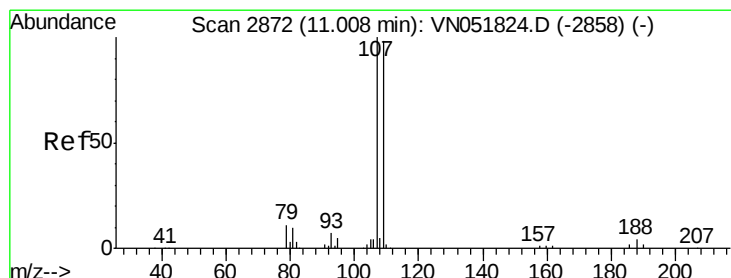
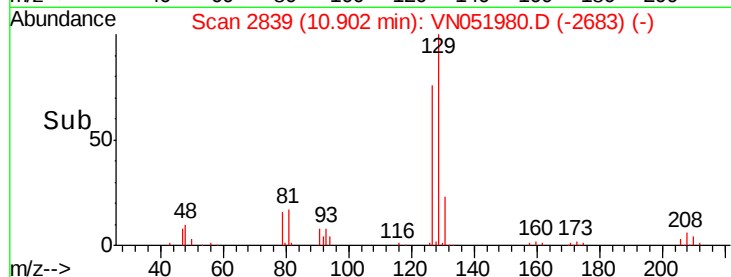
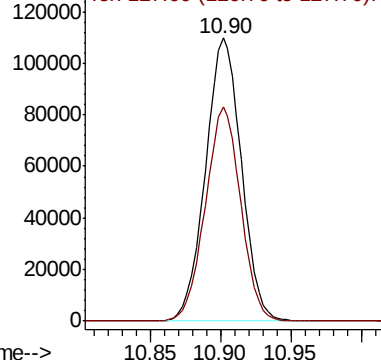
Ion Ratio Lower Upper

129 100

127 74.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 54040.780 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051980.D

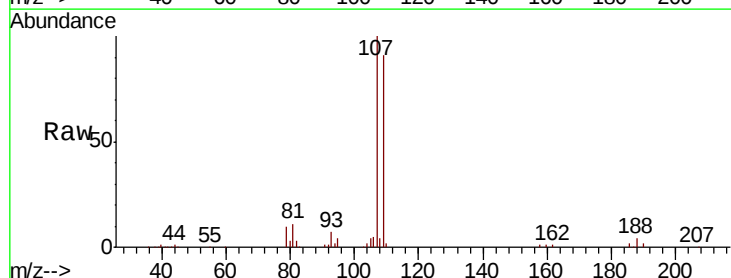
Acq: 24 Oct 2018 11:47

Tgt Ion:107 Resp: 181240

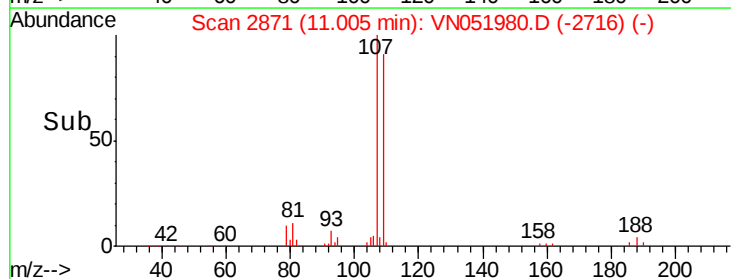
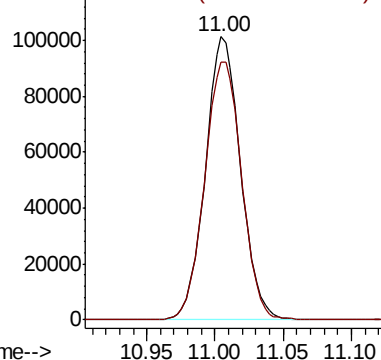
Ion Ratio Lower Upper

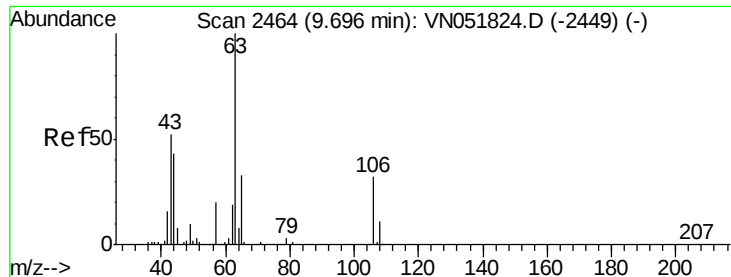
107 100

109 95.8 77.4 116.0



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: 312308.106 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

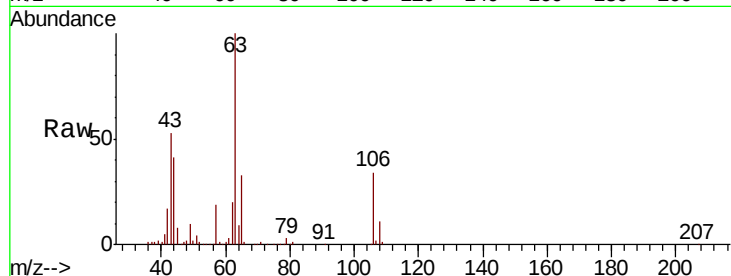
Tot Ion: 63 Resp: 488382

Ion Ratio Lower Upper

63 100

65 33.2 25.4 38.0

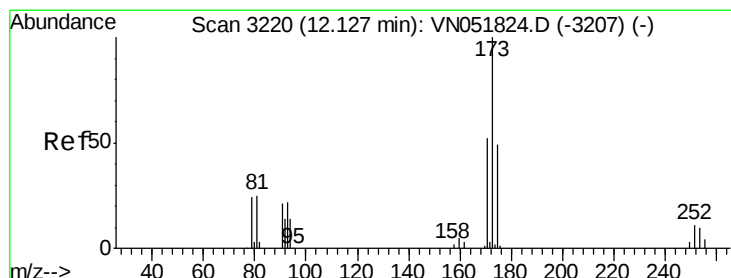
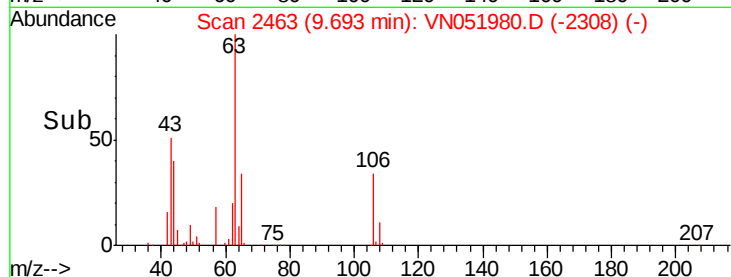
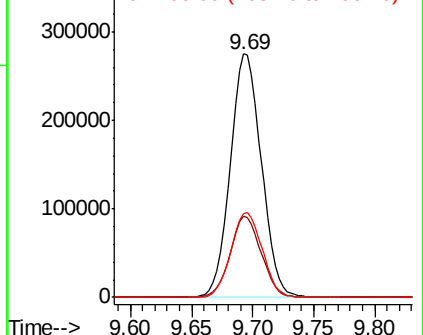
106 35.1 21.2 31.8#



Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN051824.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN051824.D (-2449) (-)



#56

Bromoform

Concen: 44675.034 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

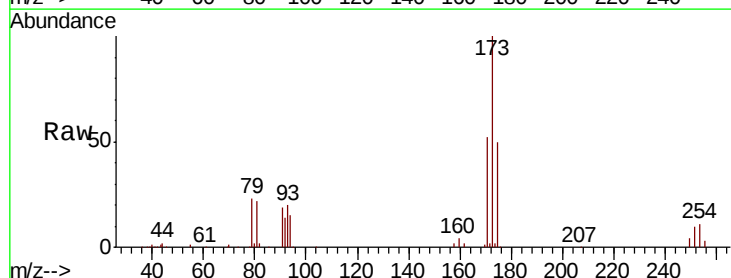
Tgt Ion: 173 Resp: 116460

Ion Ratio Lower Upper

173 100

175 47.1 35.8 53.8

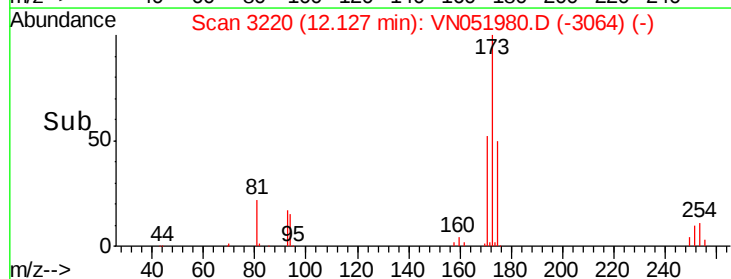
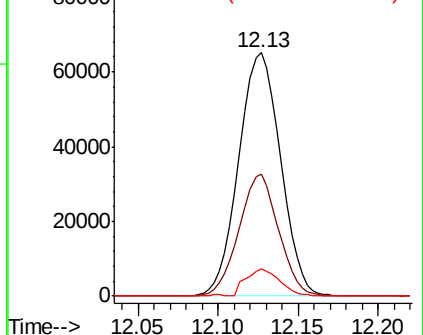
254 9.0 8.6 13.0

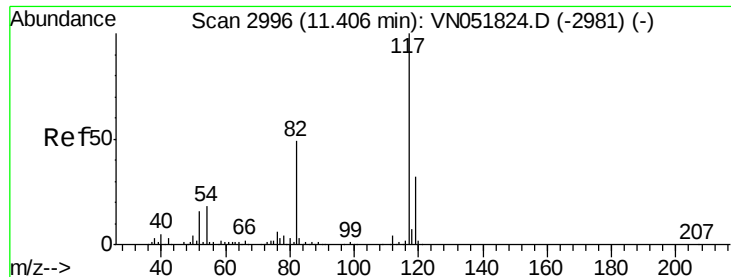


Abundance Ion 173.00 (172.70 to 173.70): VN051824.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051824.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051824.D (-3207) (-)

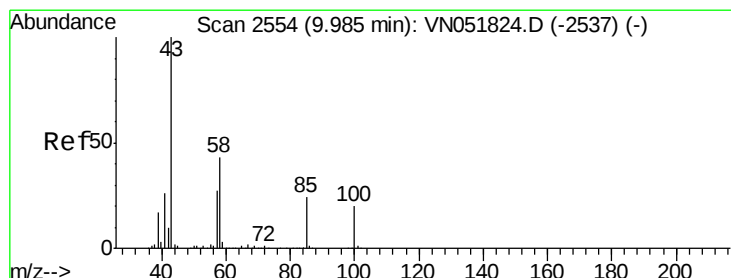
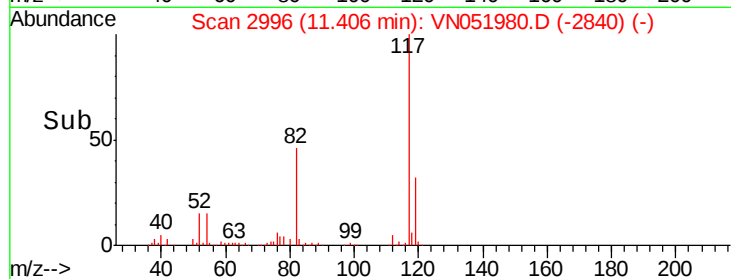
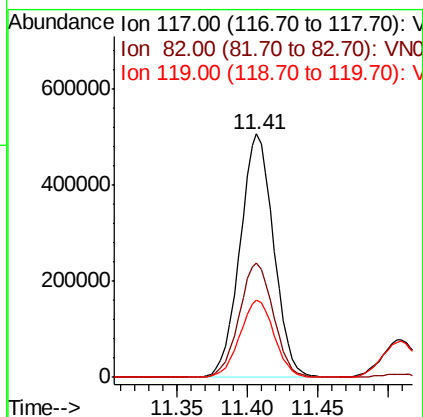
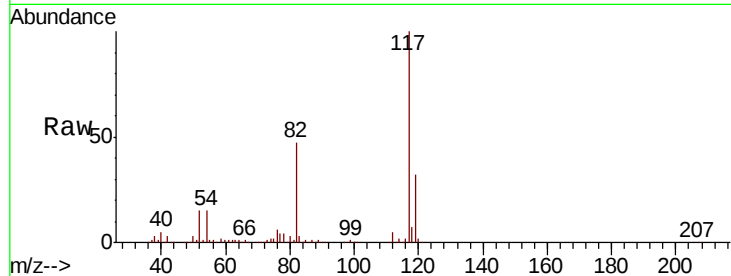




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

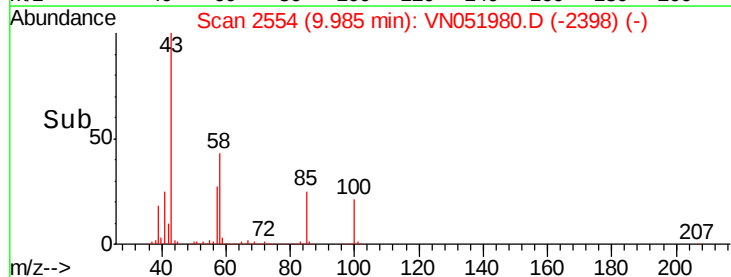
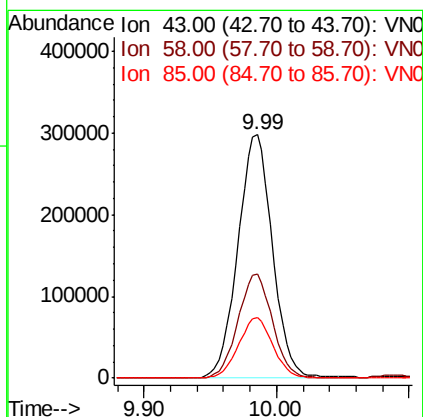
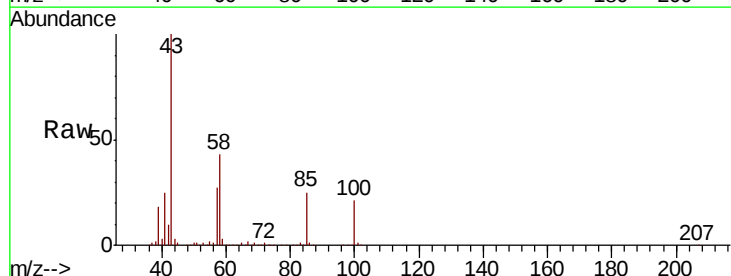
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

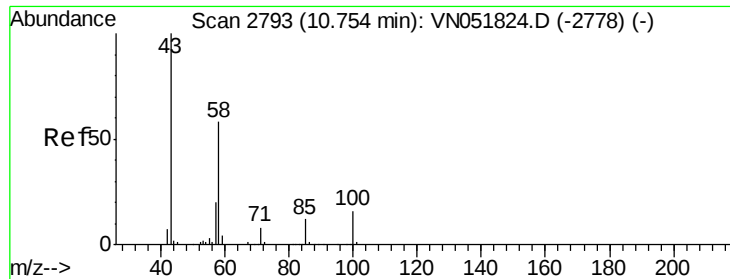
Tot Ion:117 Resp: 847702
Ion Ratio Lower Upper
117 100
82 47.6 44.1 66.1
119 32.1 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 94.594 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 43 Resp: 536610
Ion Ratio Lower Upper
43 100
58 42.8 29.3 43.9
85 24.8 12.6 18.8#

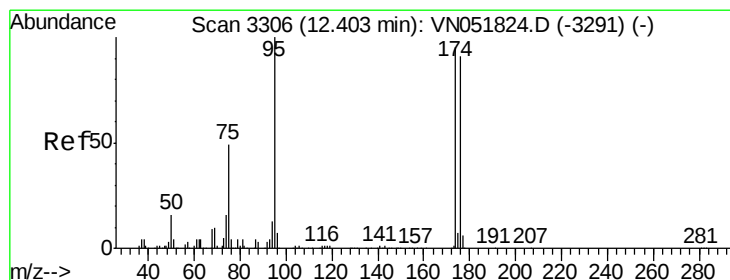
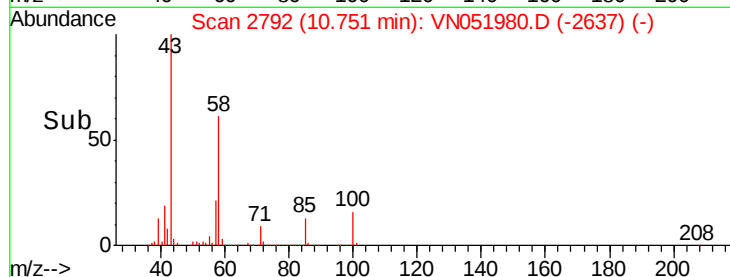
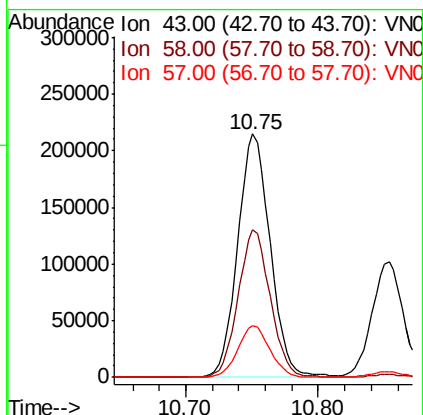
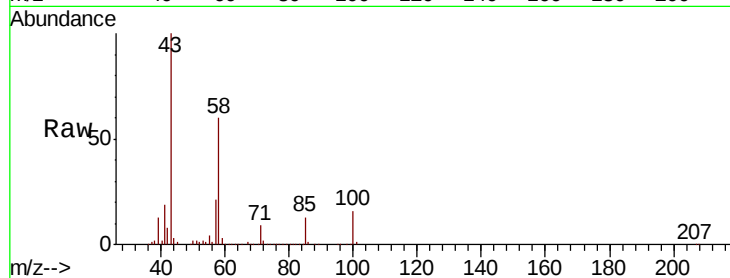




#59
2-Hexanone
Concen: 95.246 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

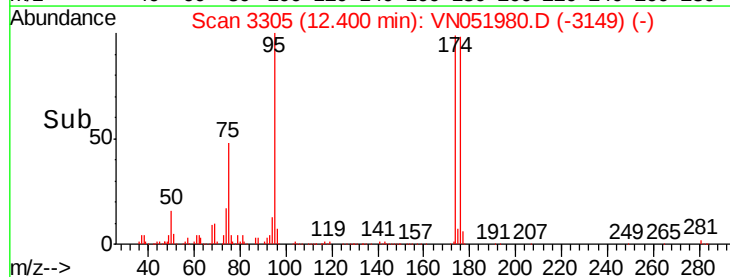
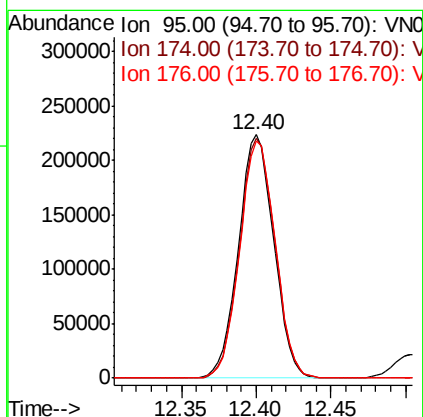
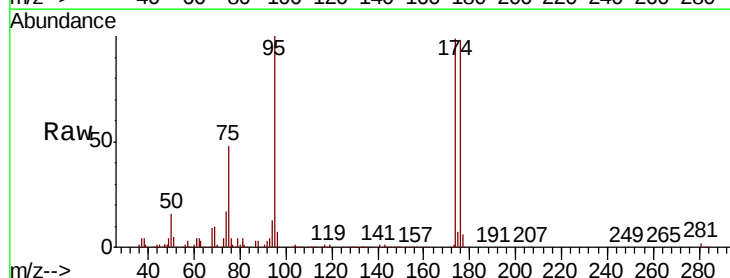
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

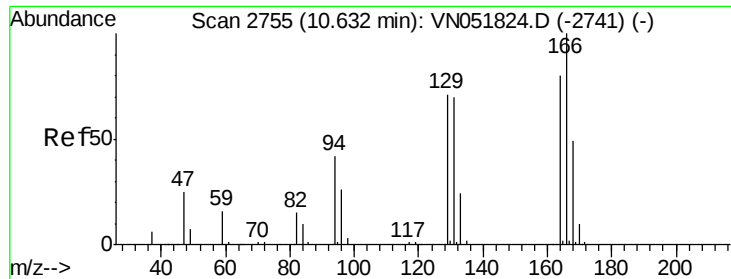
Tot Ion: 43 Resp: 364513
Ion Ratio Lower Upper
43 100
58 59.8 41.3 61.9
57 20.9 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 95.246 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 95 Resp: 368094
Ion Ratio Lower Upper
95 100
174 98.5 73.5 110.3
176 97.8 70.2 105.2





#61

Tetrachloroethene

Concen: 19.235 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

Tot Ion:164 Resp: 208521

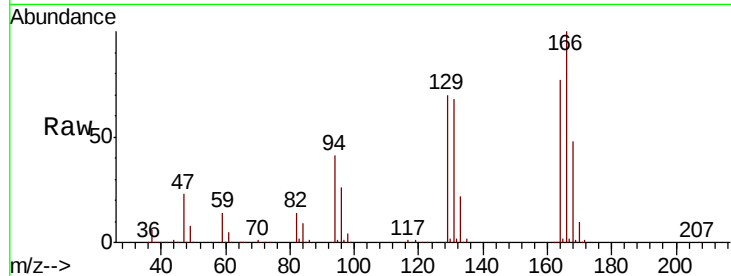
Ion Ratio Lower Upper

164 100

166 130.4 98.7 148.1

129 91.3 69.6 104.4

131 87.9 72.4 108.6

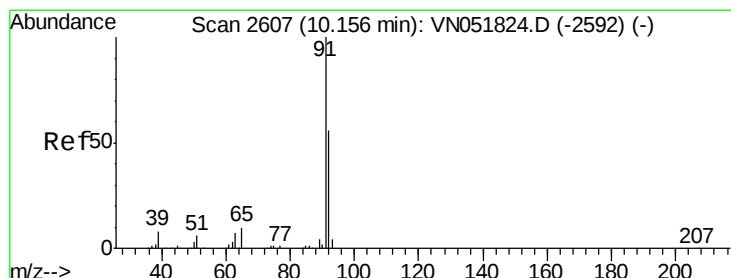
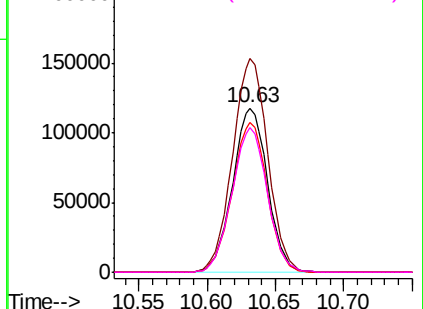
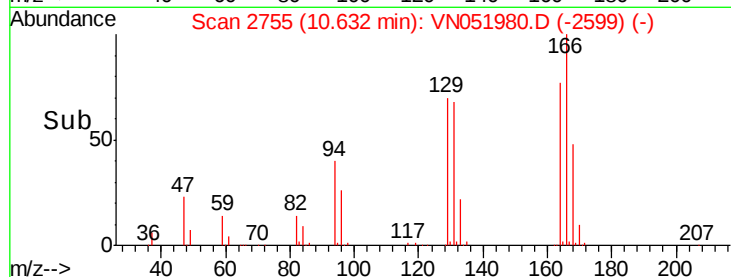


Abundance Ion 163.85 (163.55 to 164.55): V

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



#62

Toluene

Concen: 20.015 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051980.D

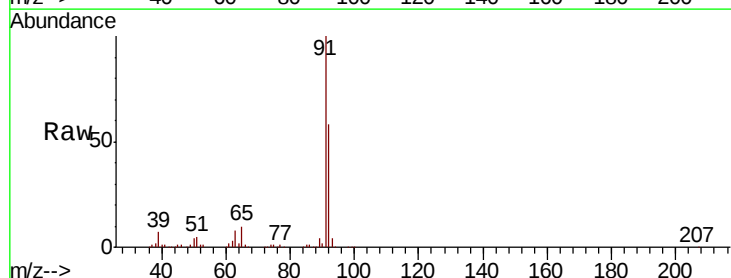
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 842891

Ion Ratio Lower Upper

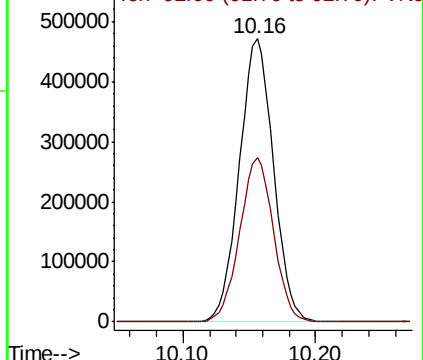
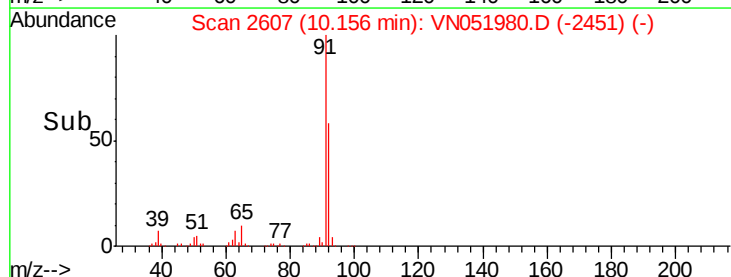
91 100

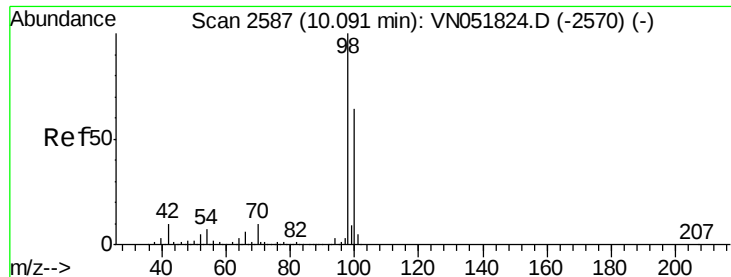
92 57.5 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.015 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

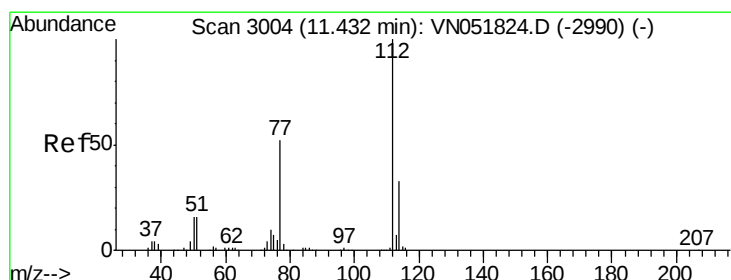
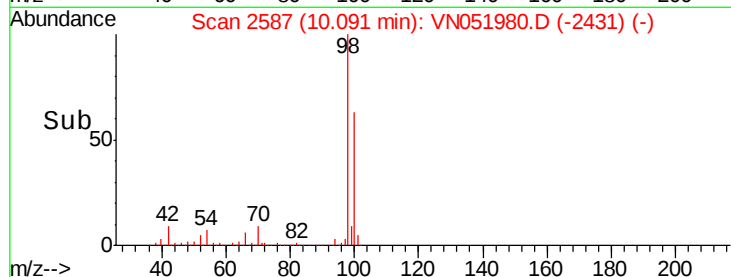
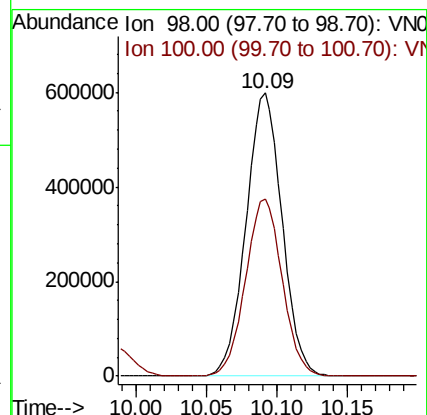
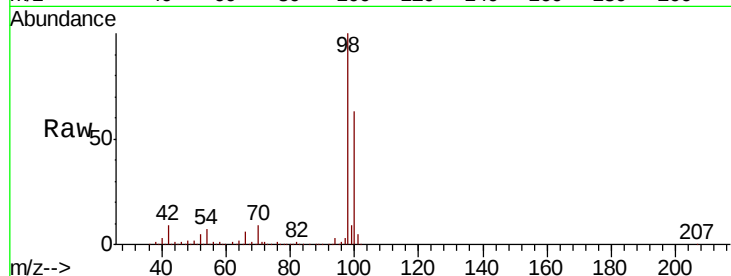
VN1024WBS02

Tot Ion: 98 Resp: 1072606

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



#64

Chlorobenzene

Concen: 20.750 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051980.D

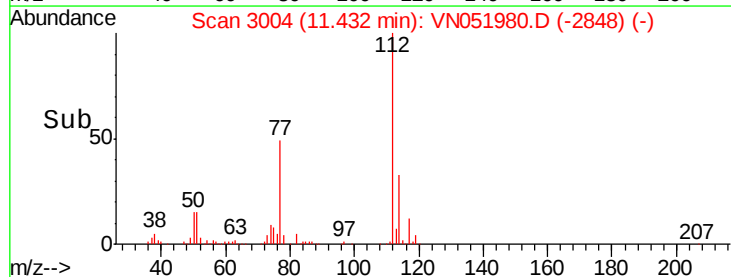
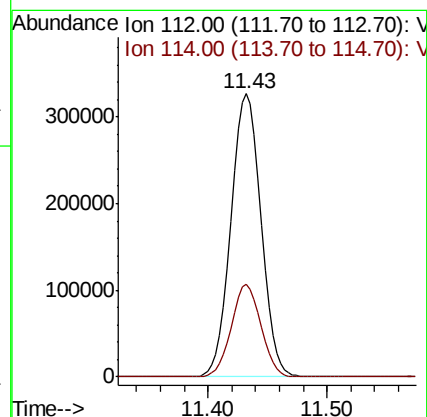
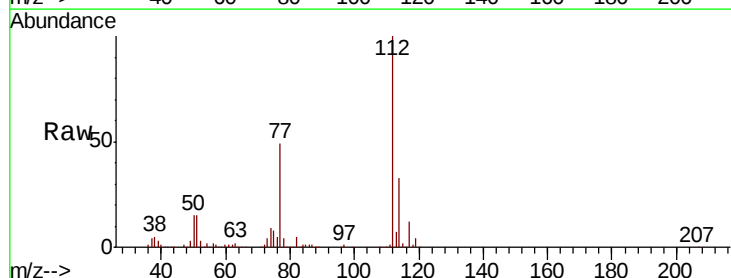
Acq: 24 Oct 2018 11:47

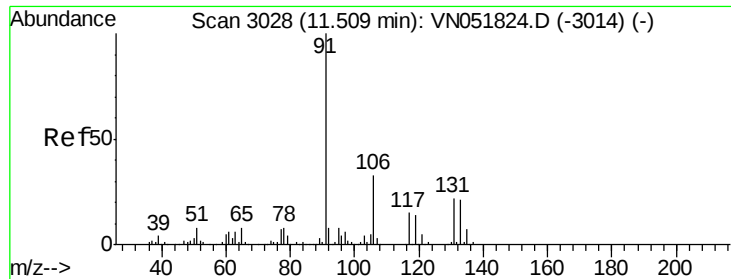
Tgt Ion: 112 Resp: 572289

Ion Ratio Lower Upper

112 100

114 32.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.221 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

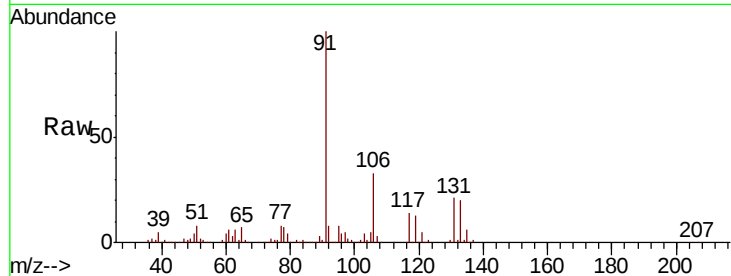
Tot Ion:131 Resp: 203478

Ion Ratio Lower Upper

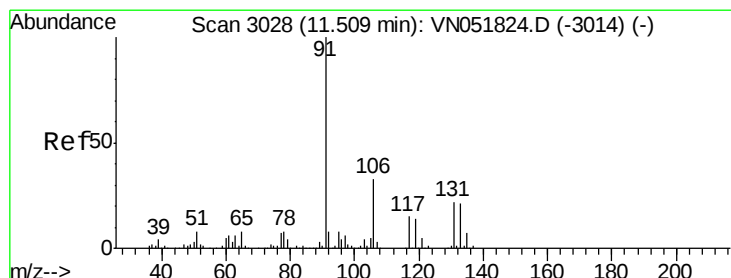
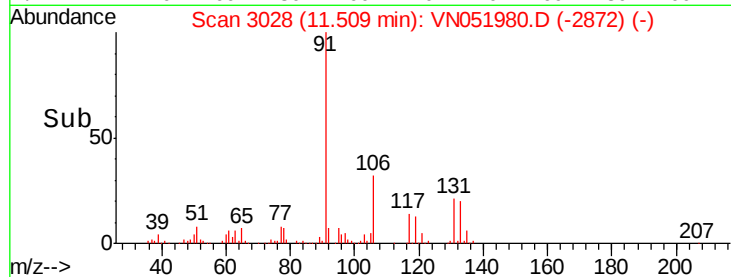
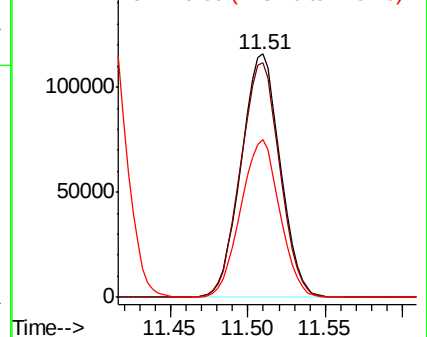
131 100

133 96.7 0.0 190.4

119 64.7 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.958 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051980.D

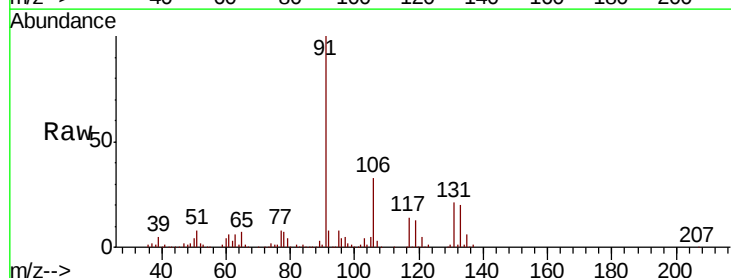
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 928878

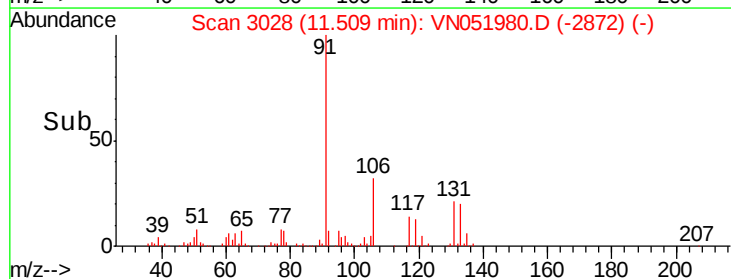
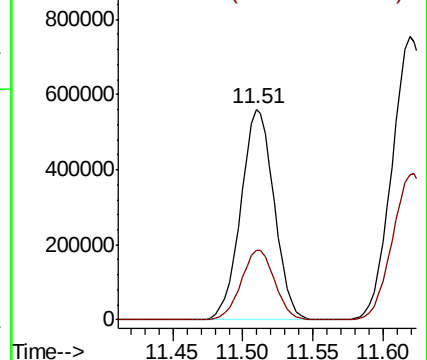
Ion Ratio Lower Upper

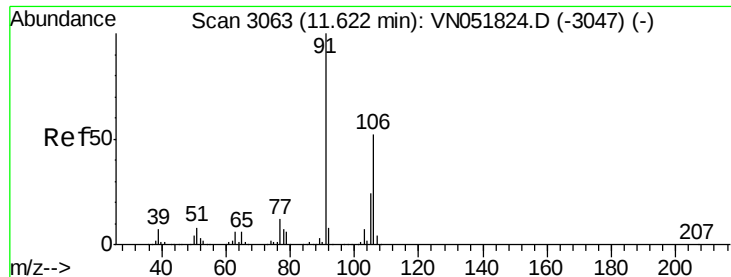
91 100

106 33.0 25.9 38.9



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

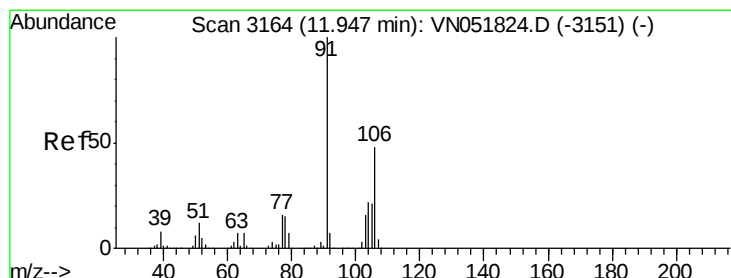
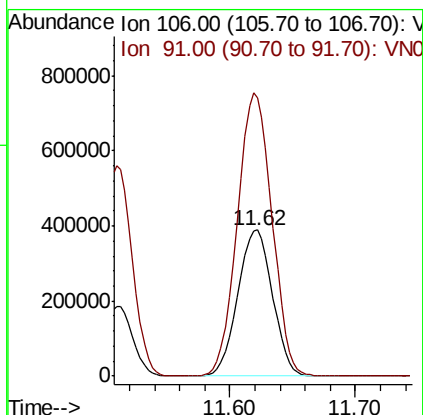
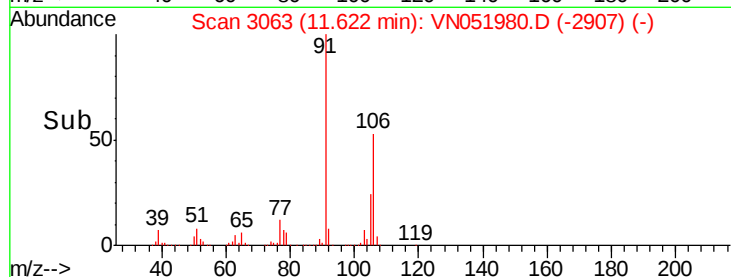
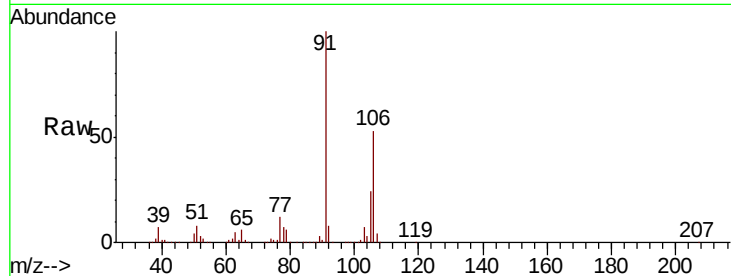




#67
m/p-Xylenes
Concen: 39.732 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

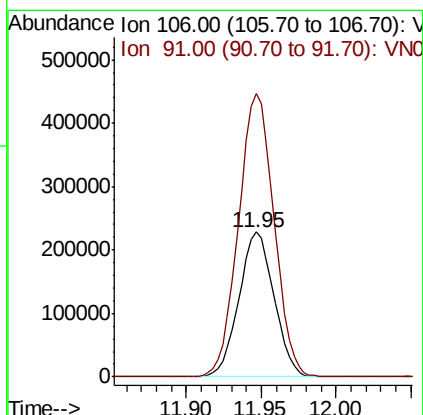
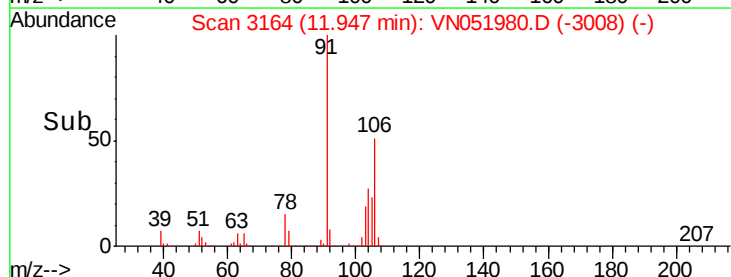
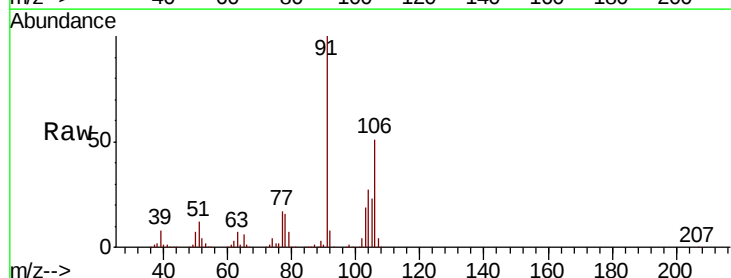
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

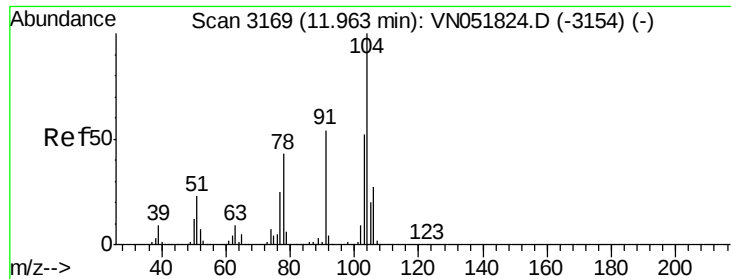
Tot Ion:106 Resp: 749728
Ion Ratio Lower Upper
106 100
91 192.8 158.8 238.2



#68
o-Xylene
Concen: 20.093 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion:106 Resp: 373769
Ion Ratio Lower Upper
106 100
91 197.7 111.1 333.3

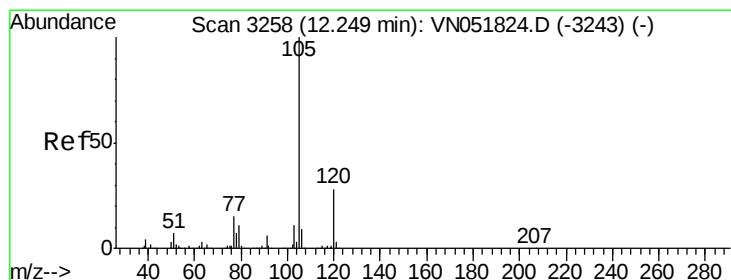
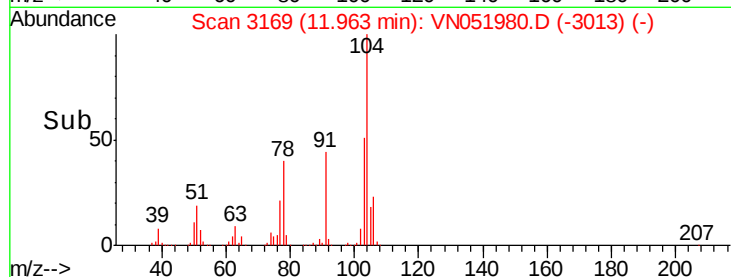
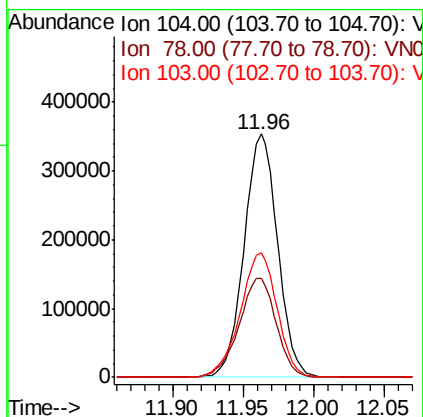
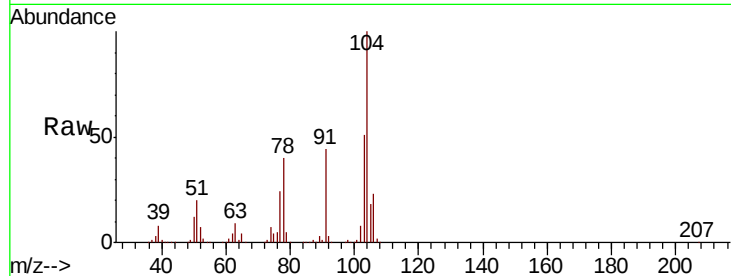




#69
Stvrene
Concen: 20.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

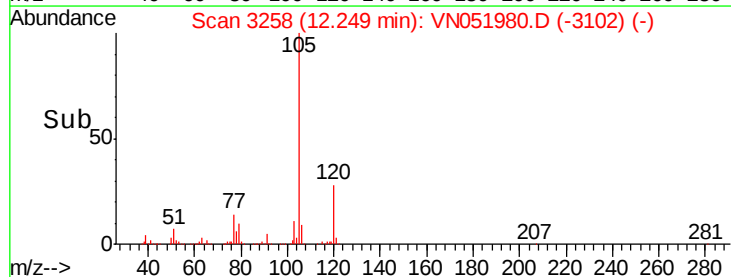
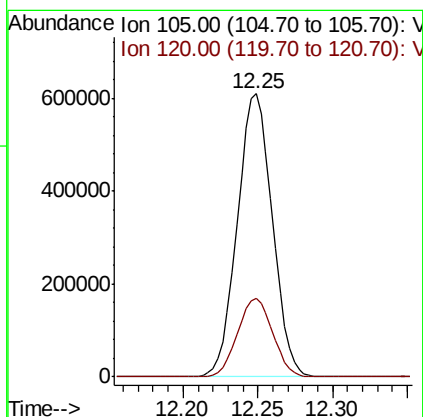
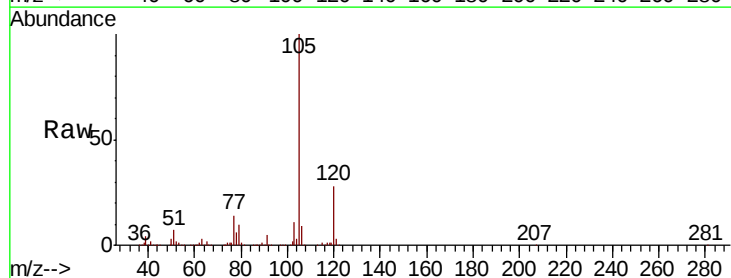
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

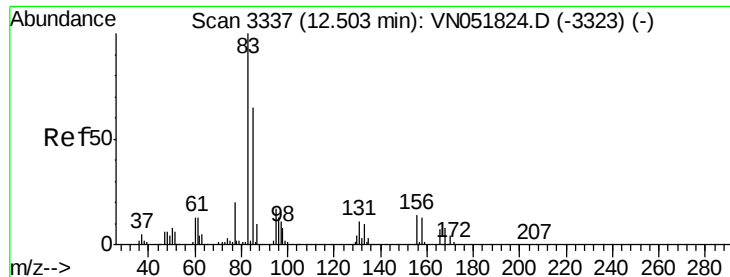
Tot Ion:104 Resp: 590142
Ion Ratio Lower Upper
104 100
78 45.0 40.6 60.8
103 56.1 44.0 66.0



#70
Isopropylbenzene
Concen: 20.025 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion:105 Resp: 993336
Ion Ratio Lower Upper
105 100
120 27.8 19.0 35.4

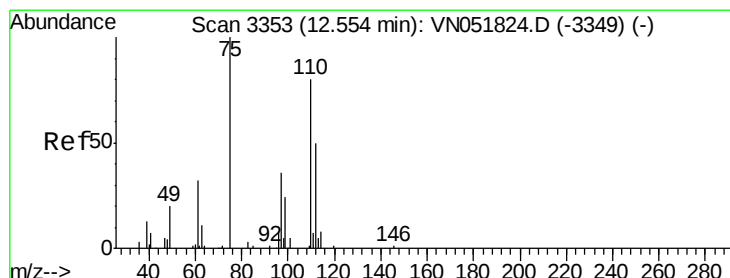
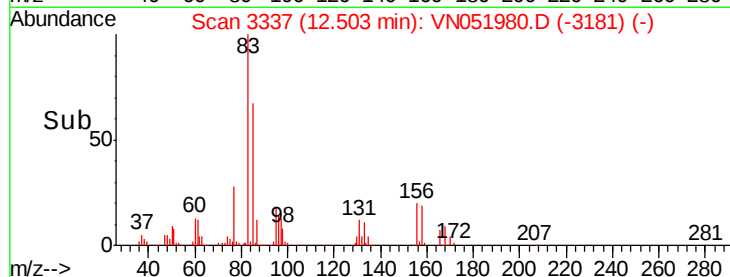
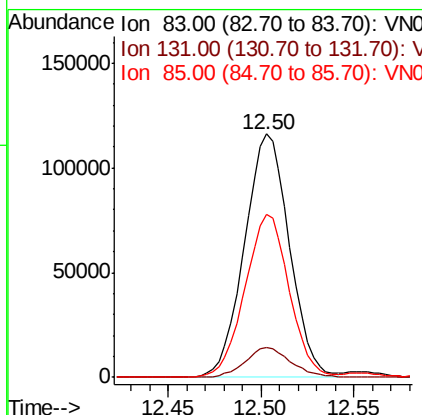
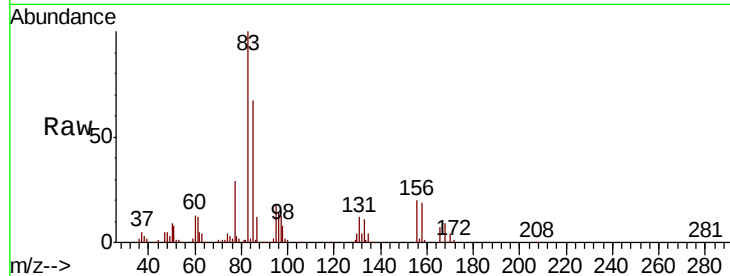




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.050 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

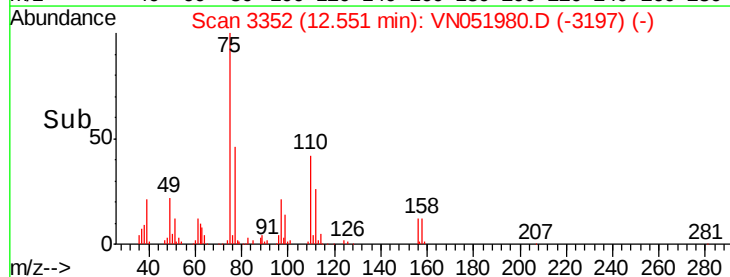
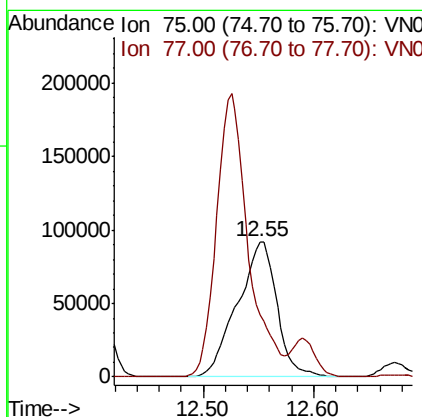
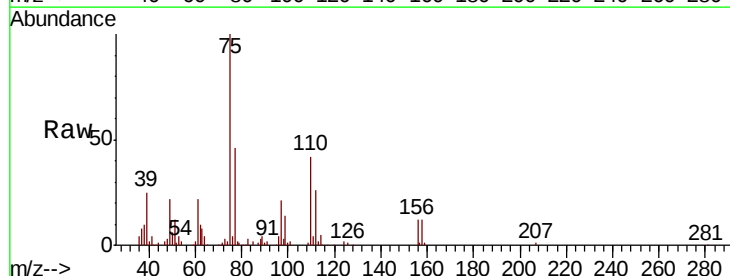
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

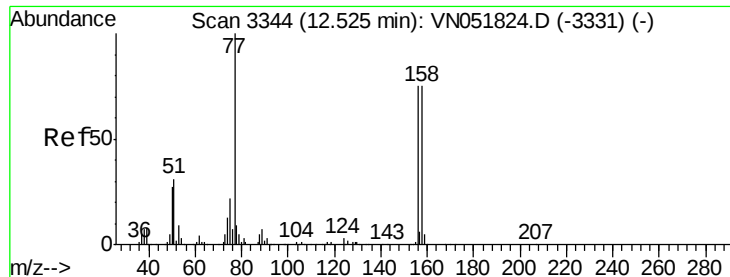
Tot Ion	83	Resp	196413
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.5	16.4
85	65.8	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 29.700 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	75	Resp	228890
Ion Ratio	Lower	Upper	
75	100		
77	167.9	0.0	400.0





#73

Bromobenzene

Concen: 21.699 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

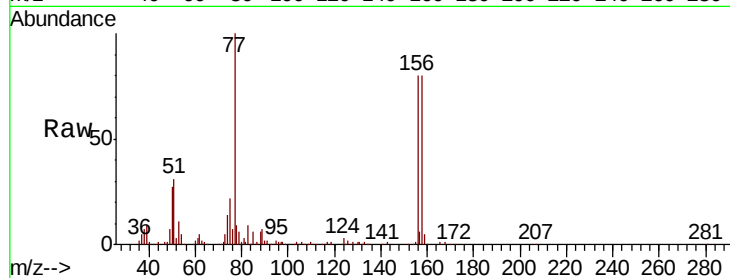
Tot Ion:156 Resp: 266619

Ion Ratio Lower Upper

156 100

77 144.2 0.0 377.4

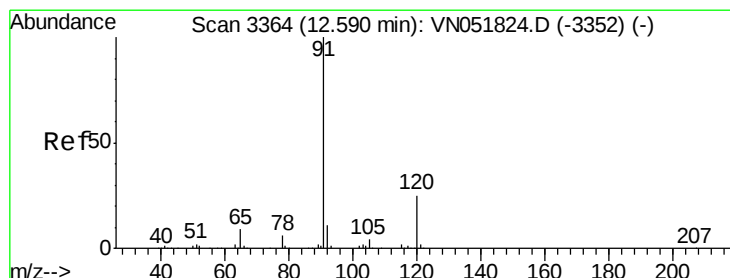
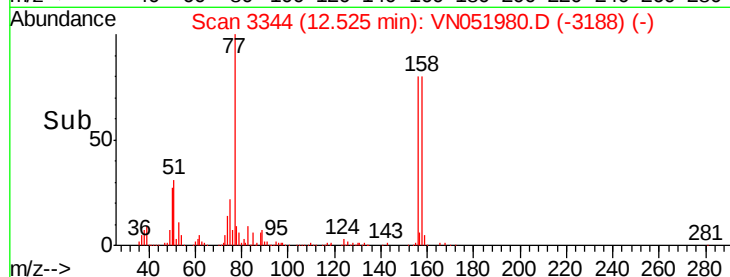
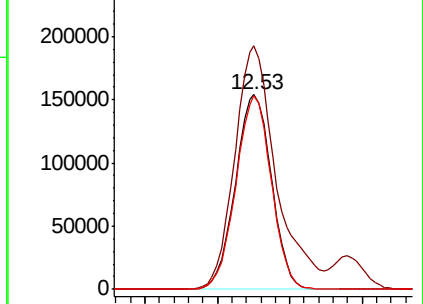
158 97.5 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.280 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051980.D

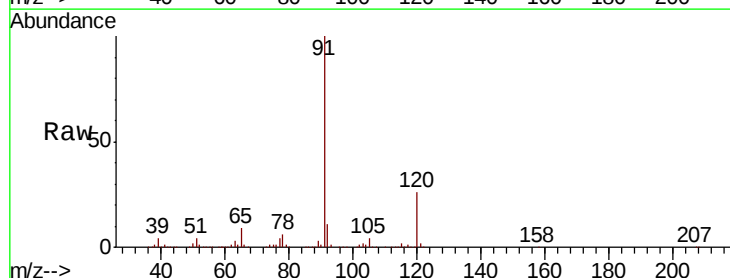
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 1082100

Ion Ratio Lower Upper

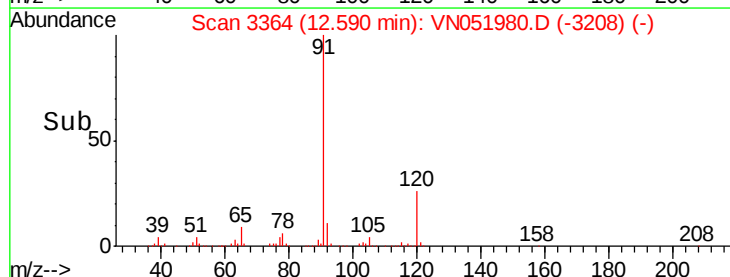
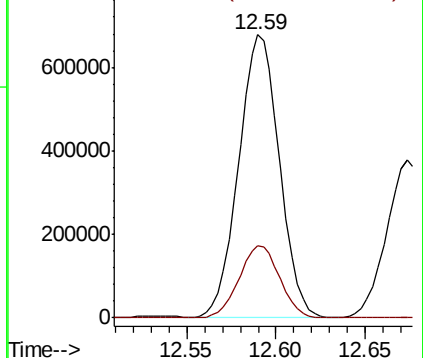
91 100

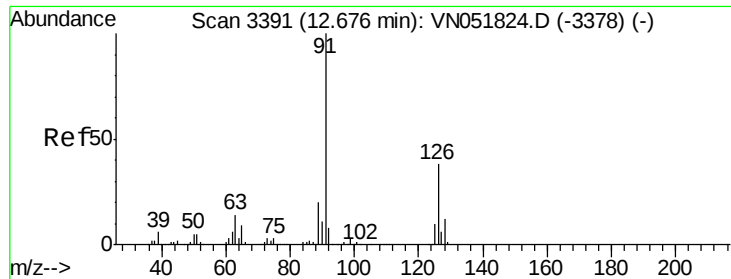
120 25.4 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.961 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampled :

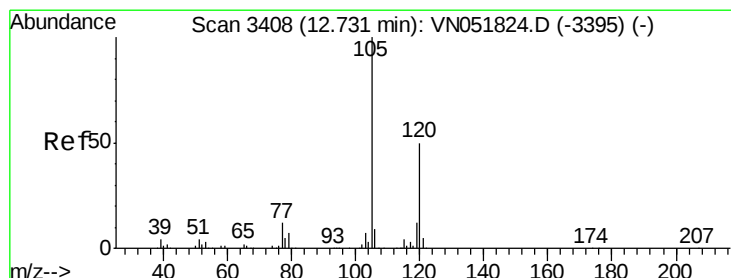
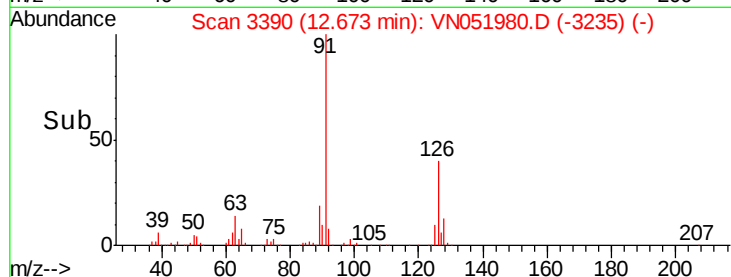
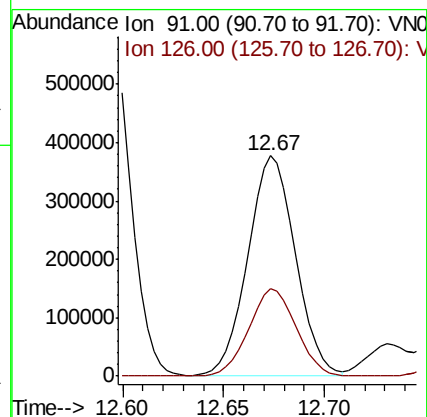
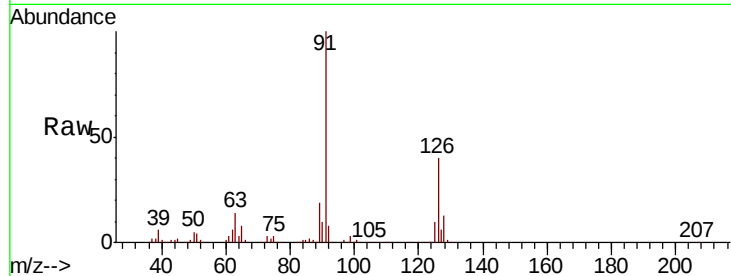
VN1024WBS02

Tot Ion: 91 Resp: 624423

Ion Ratio Lower Upper

91 100

126 39.5 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 19.940 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051980.D

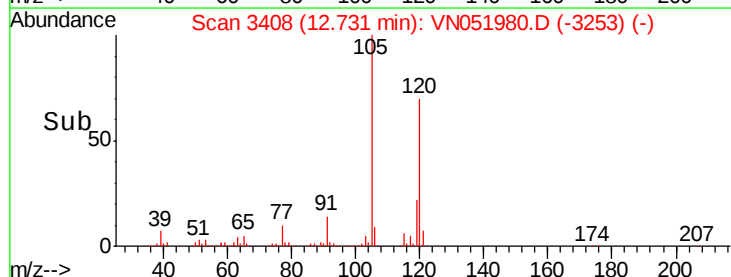
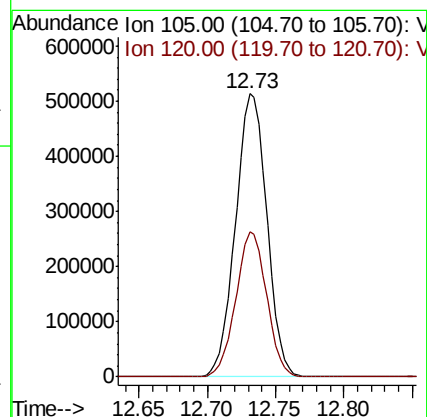
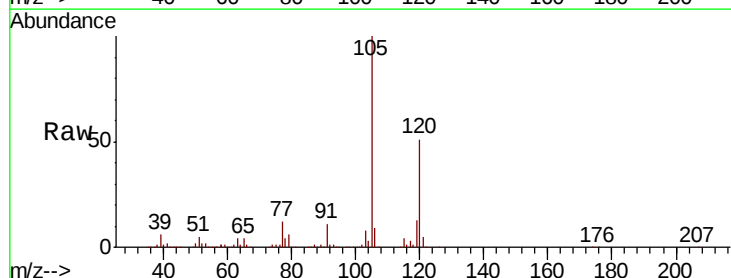
Acq: 24 Oct 2018 11:47

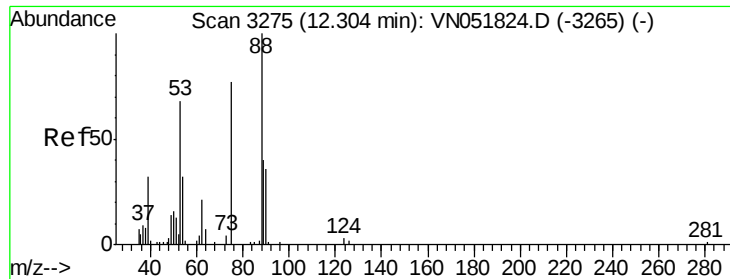
Tgt Ion: 105 Resp: 817947

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.656 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

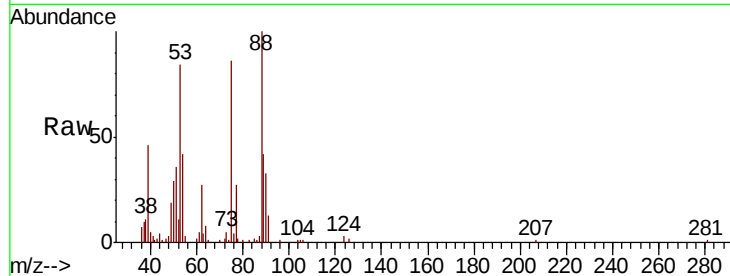
Tot Ion: 75 Resp: 39904

Ion Ratio Lower Upper

75 100

53 97.4 46.3 138.9

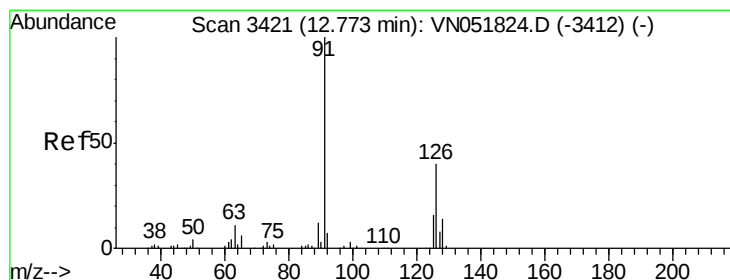
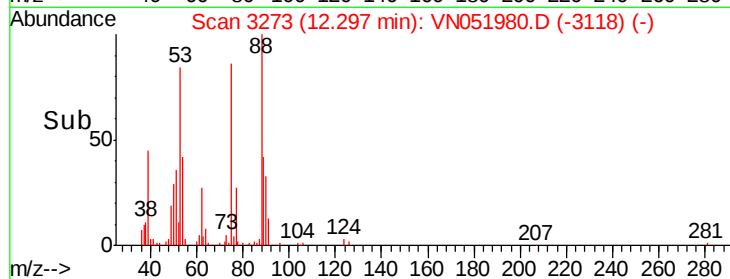
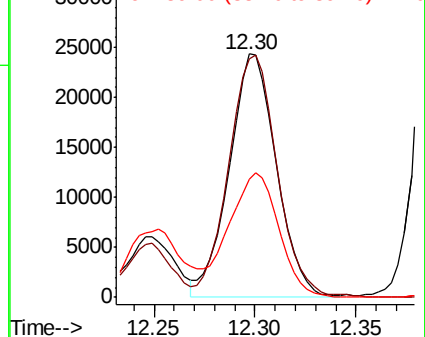
89 48.9 24.6 73.8



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: 21.081 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051980.D

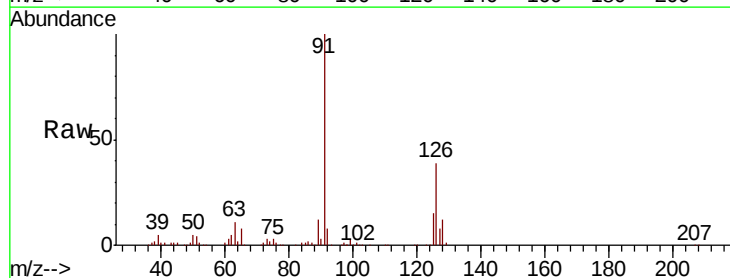
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 647936

Ion Ratio Lower Upper

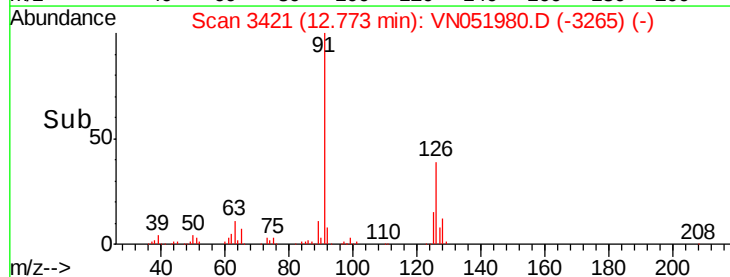
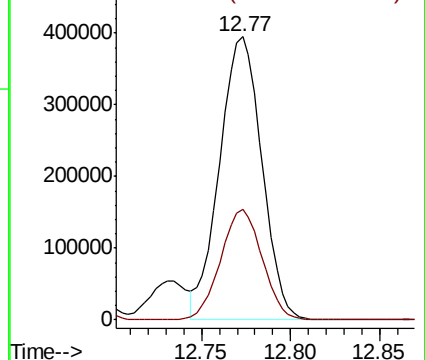
91 100

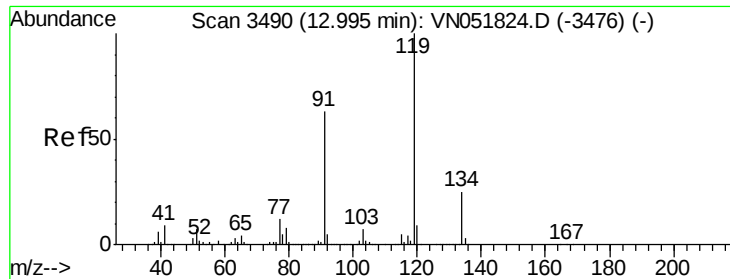
126 38.3 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

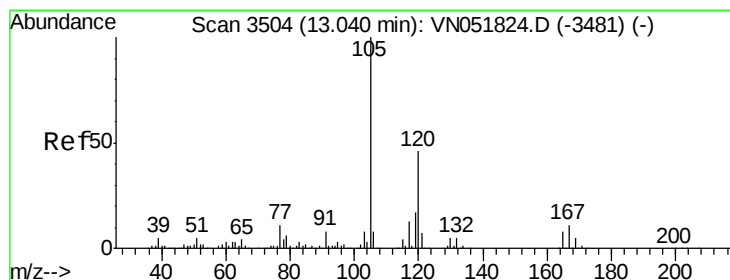
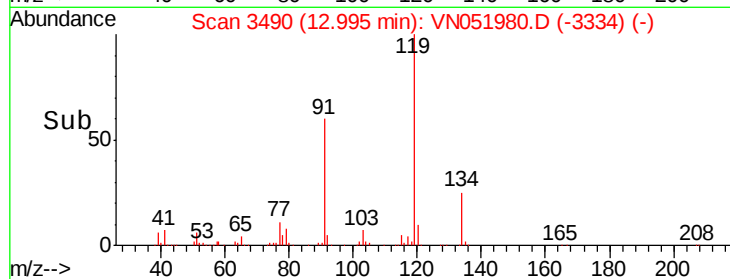
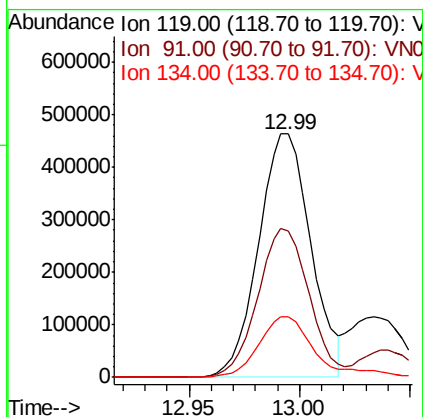
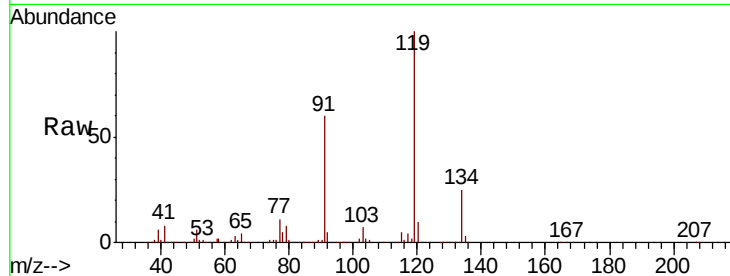




#79
tert-butylbenzene
Concen: 20.233 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

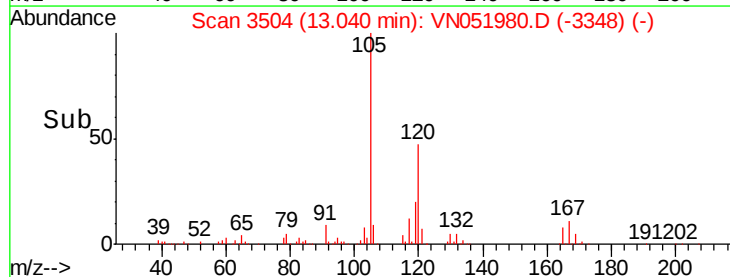
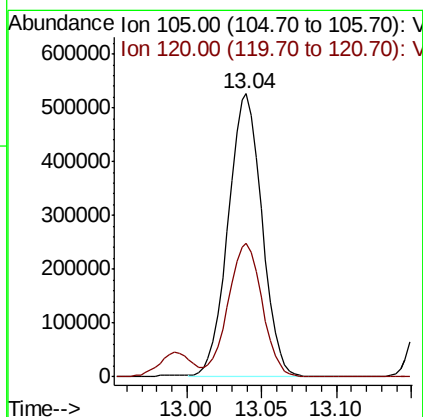
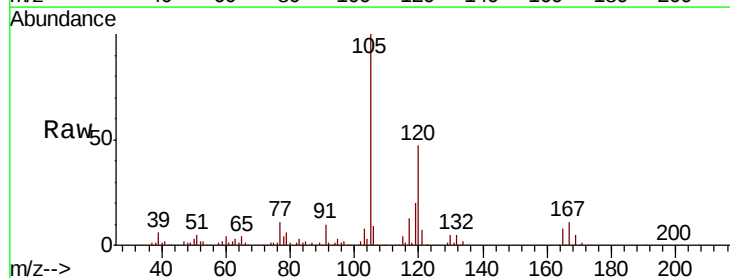
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

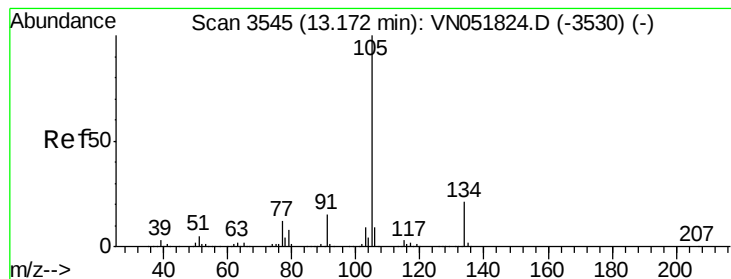
Tot Ion:119 Resp: 763256
Ion Ratio Lower Upper
119 100
91 59.8 0.0 131.6
134 27.1 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.205 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion:105 Resp: 828355
Ion Ratio Lower Upper
105 100
120 47.3 0.0 89.6





#81

sec-Butylbenzene

Concen: 20.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

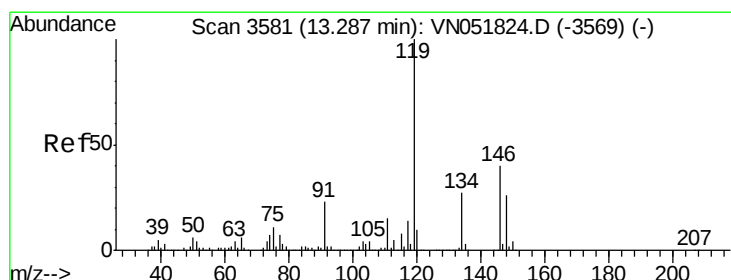
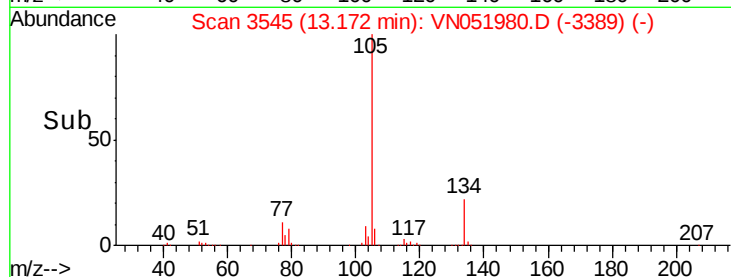
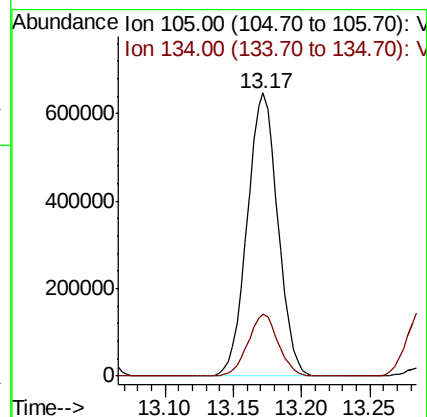
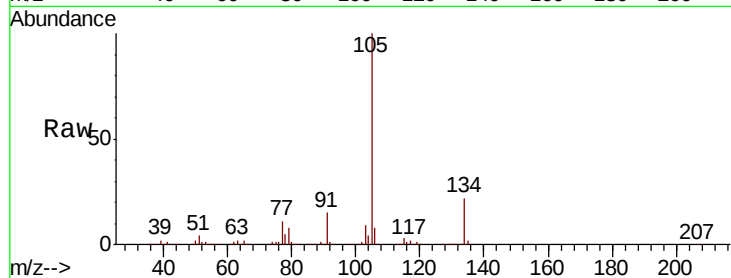
VN1024WBS02

Tot Ion:105 Resp: 1006948

Ion Ratio Lower Upper

105 100

134 21.6 0.0 39.4



#82

p-Isopropyltoluene

Concen: 20.611 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

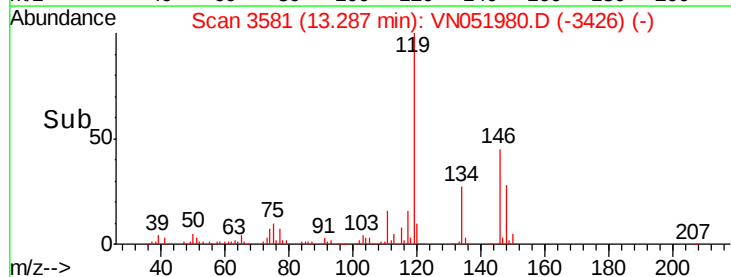
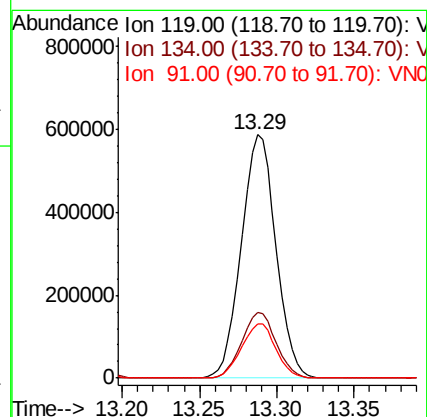
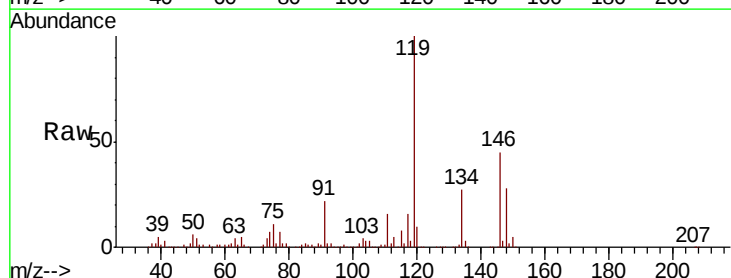
Tgt Ion:119 Resp: 910190

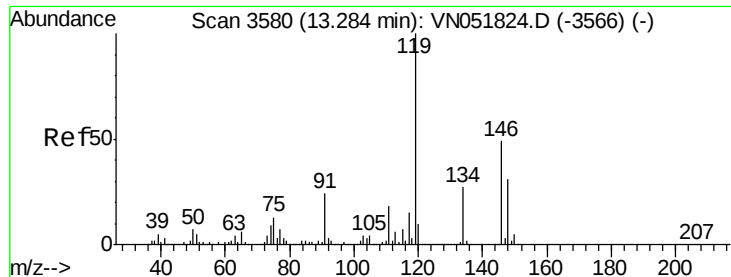
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.6

91 22.3 0.0 52.0





#83

1,3-Dichlorobenzene

Concen: 22.297 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

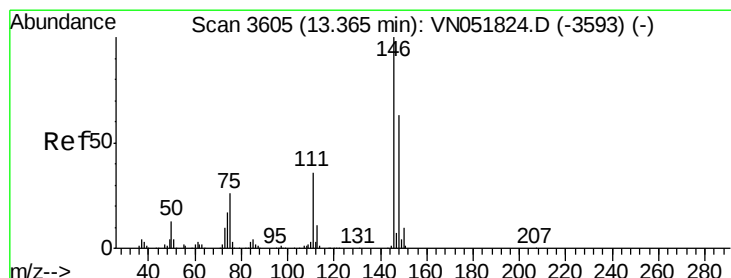
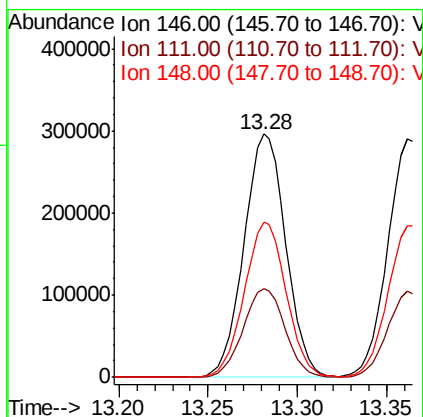
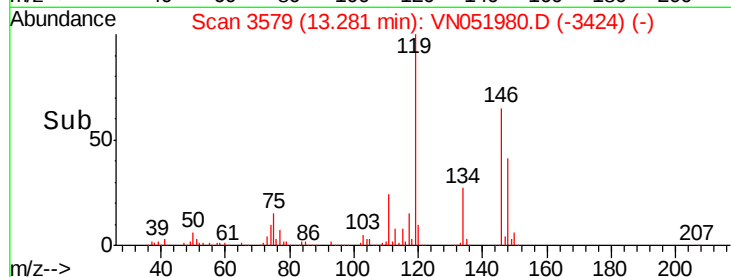
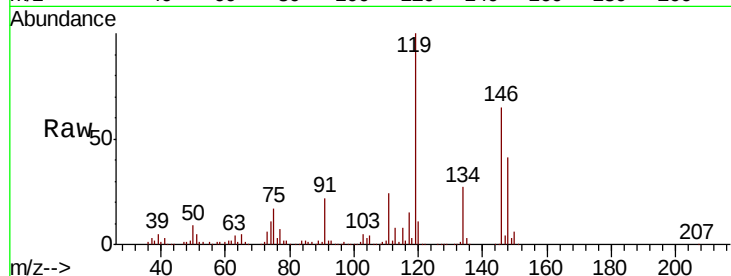
Tot Ion:146 Resp: 483425

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.3

148 63.8 31.3 93.8



#84

1,4-Dichlorobenzene

Concen: 23.370 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

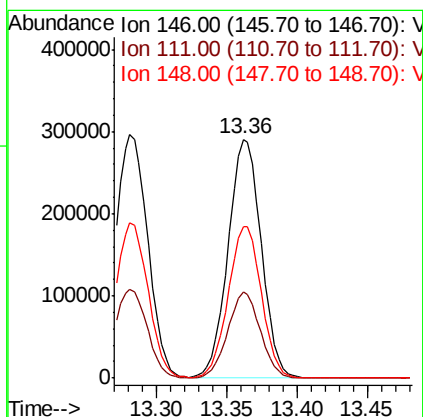
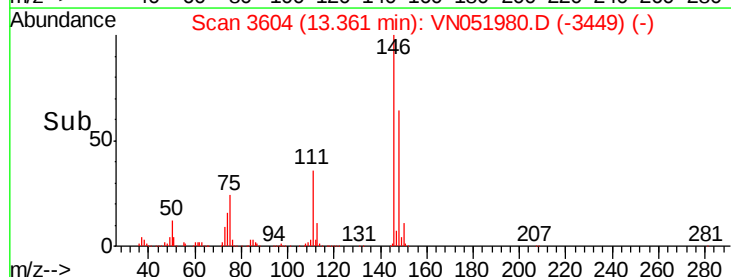
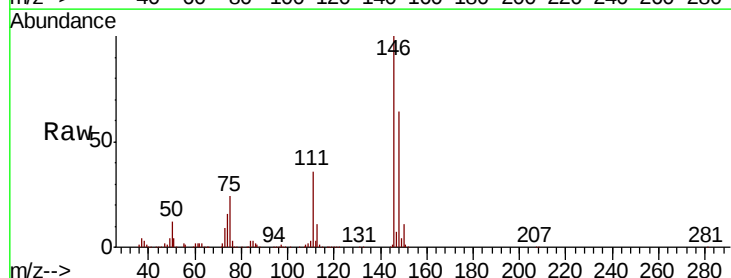
Tgt Ion:146 Resp: 476997

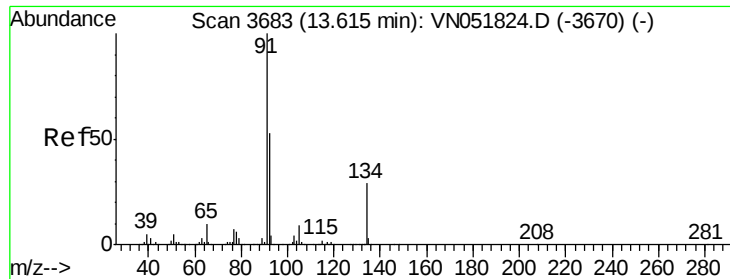
Ion Ratio Lower Upper

146 100

111 35.2 17.4 52.2

148 63.6 32.8 98.3

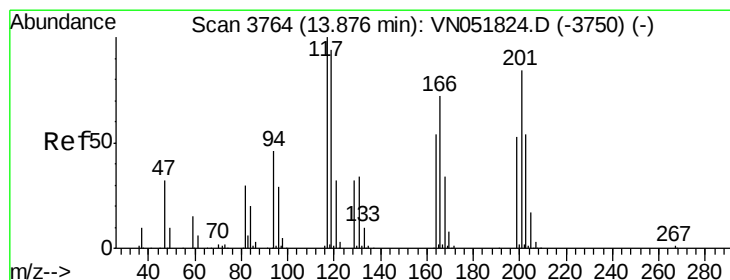
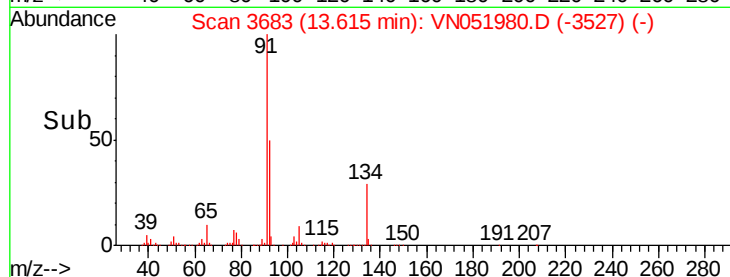
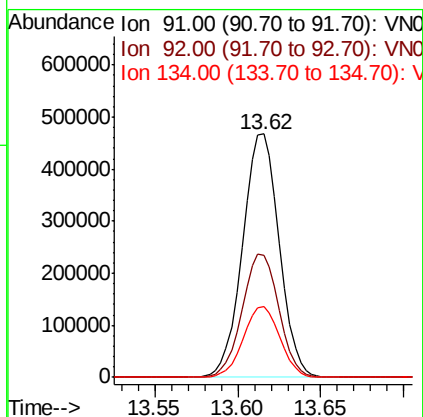
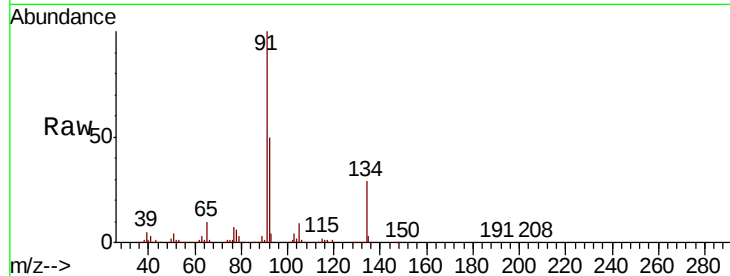




#85
n-Butylbenzene
Concen: 21.497 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

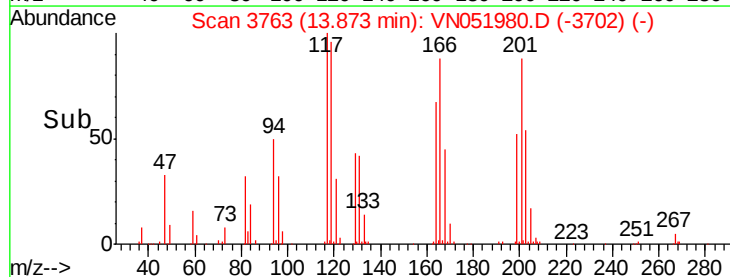
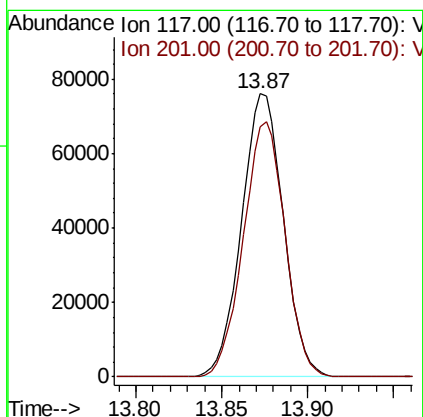
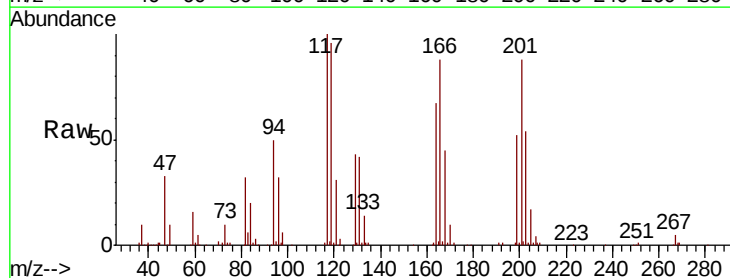
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS02

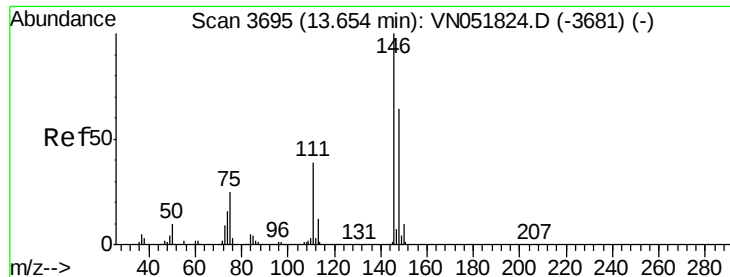
Tot Ion: 91 Resp: 715846
Ion Ratio Lower Upper
91 100
92 50.8 0.0 97.4
134 29.2 0.0 49.6



#86
Hexachloroethane
Concen: 16.894 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051980.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 117 Resp: 128633
Ion Ratio Lower Upper
117 100
201 89.4 47.8 143.3





#87

1,2-Dichlorobenzene

Concen: 22.367 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

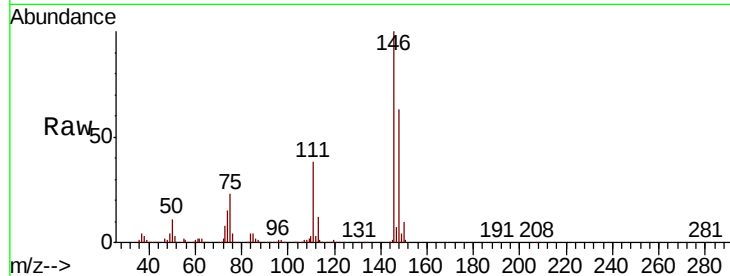
Tot Ion:146 Resp: 469490

Ion Ratio Lower Upper

146 100

111 37.8 20.8 62.2

148 63.6 33.2 99.6

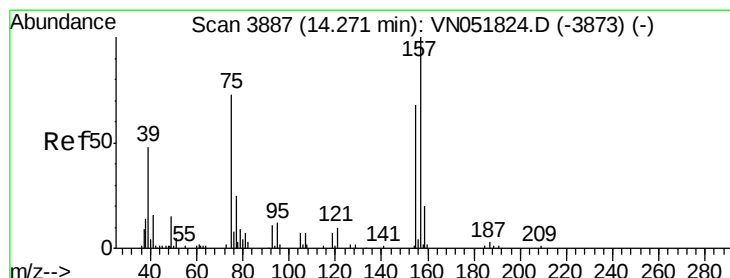
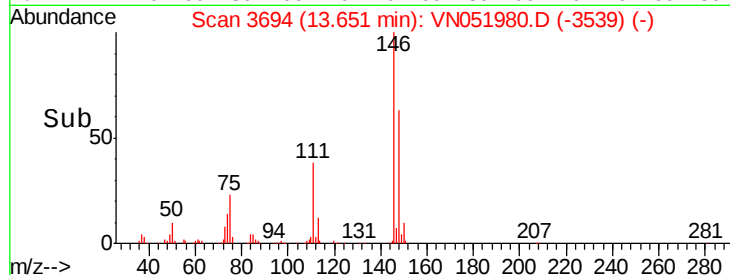
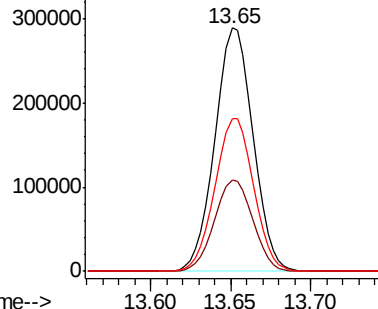


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.175 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

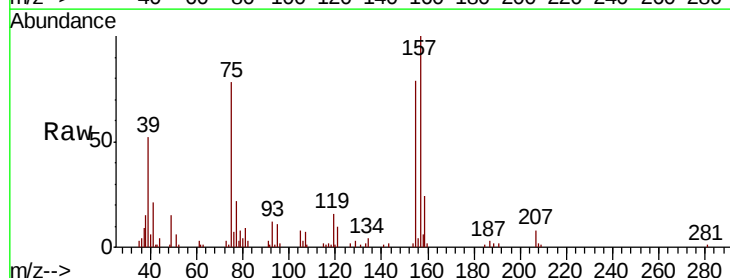
Tgt Ion: 75 Resp: 26589

Ion Ratio Lower Upper

75 100

155 108.4 57.0 85.6#

157 134.2 87.4 131.0#

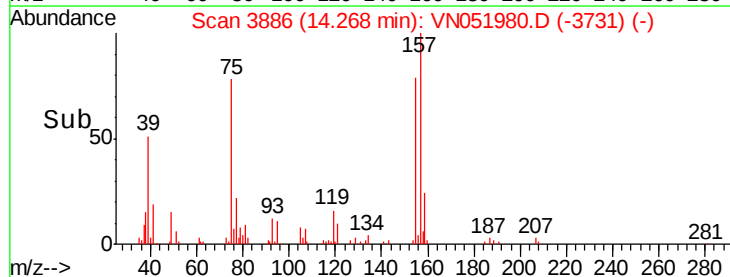
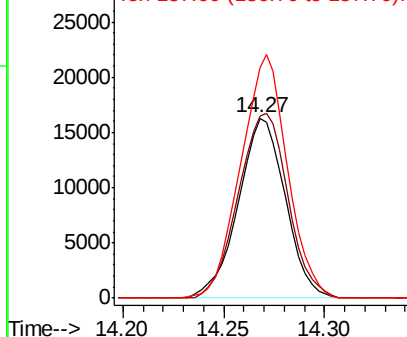


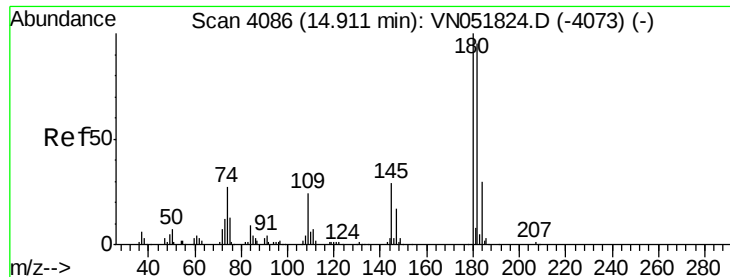
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

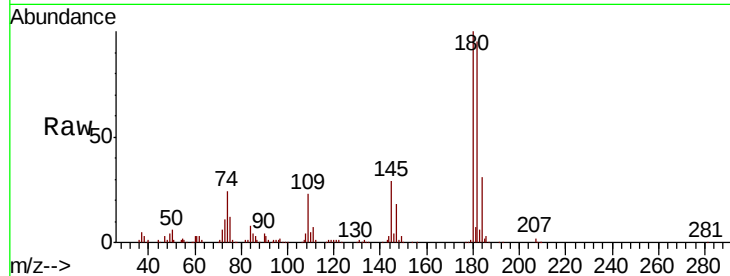




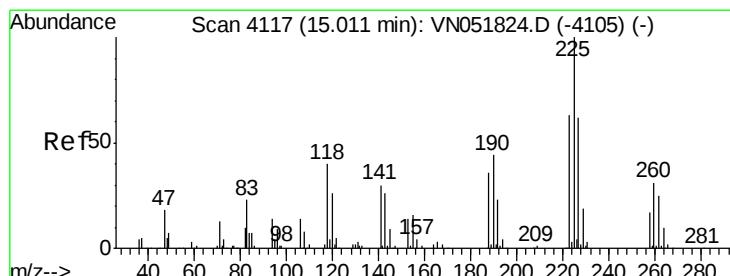
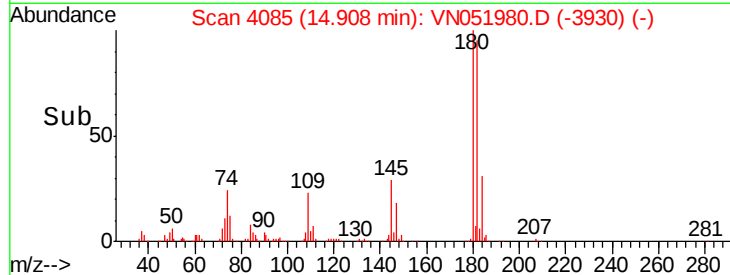
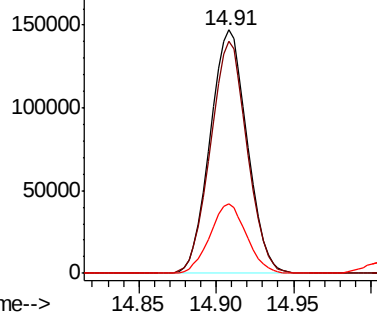
#89
 1,2,4-Trichlorobenzene
 Concen: 25.403 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS02

Tot Ion:180 Resp: 244870
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.7 116.5
 145 28.3 23.4 35.2

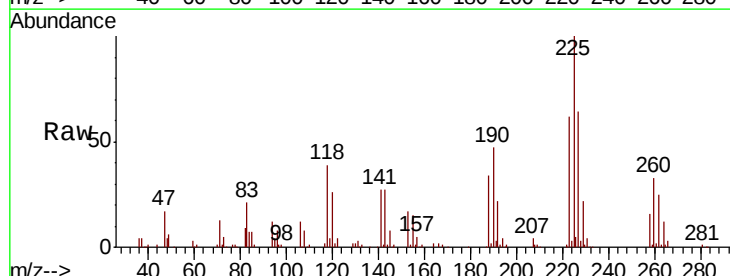


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

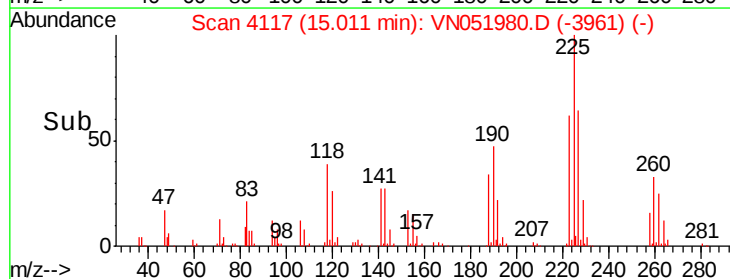
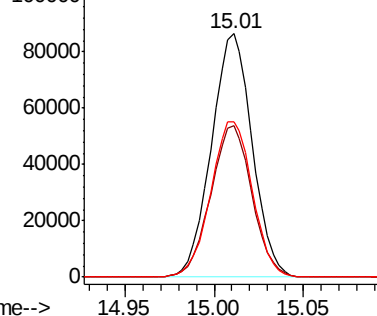


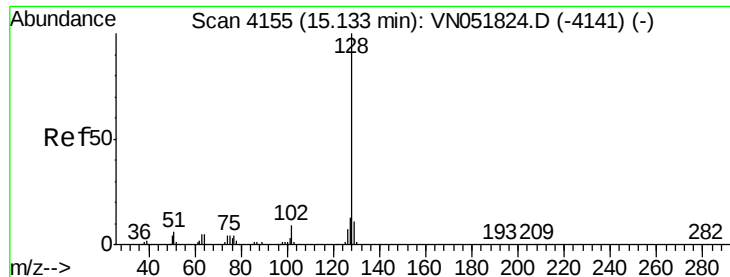
#90
 Hexachlorobutadiene
 Concen: 20.376 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051980.D
 Acq: 24 Oct 2018 11:47

Tgt Ion:225 Resp: 137826
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 117.0
 227 65.2 0.0 127.0



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: 25.038 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS02

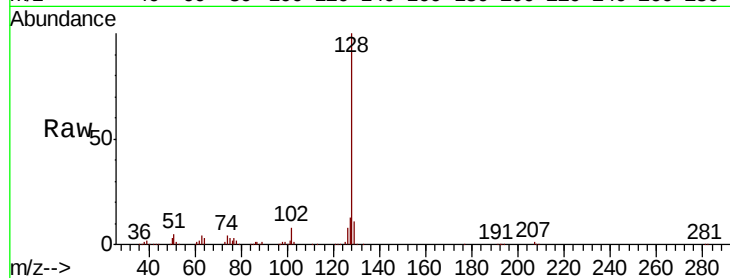
Tot Ion:128 Resp: 473838

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

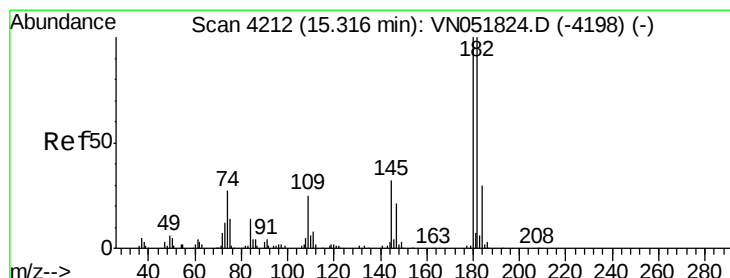
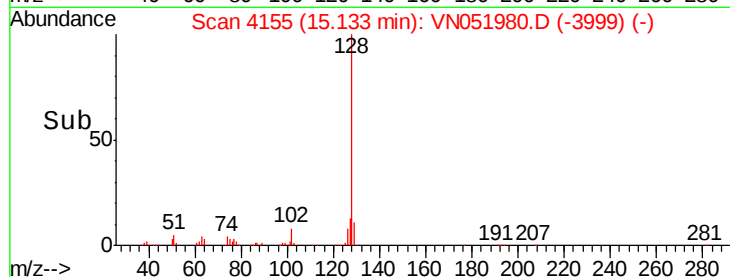
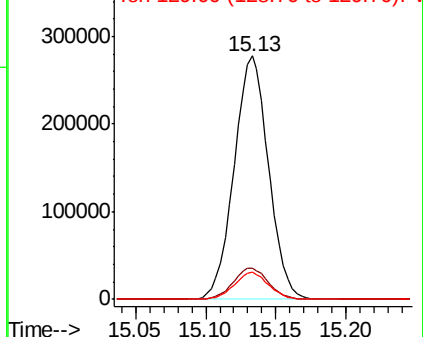
129 11.0 8.4 12.6



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: 22.377 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051980.D

Acq: 24 Oct 2018 11:47

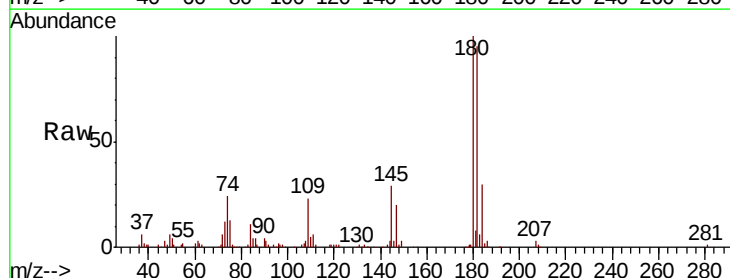
Tgt Ion:180 Resp: 213691

Ion Ratio Lower Upper

180 100

182 95.2 0.0 198.0

145 30.3 0.0 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

