

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053026.D
 Acq On : 19 Dec 2018 22:50
 Operator : MD\SY
 Sample : VN1219MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Quant Time: Dec 20 05:26:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1072366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1663781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1467721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	664715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	567976	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	7.59	113	451464	59.40	ug/l	0.00
Spiked Amount			Recovery	=	118.80%	
50) Toluene-d8	10.09	98	2085579	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	714272	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	208890	19.247	ug/l	100
3) Chloromethane	2.06	50	261859	19.911	ug/l	99
4) Vinyl Chloride	2.19	62	263320	19.769	ug/l	99
5) Bromomethane	2.58	94	177891	19.277	ug/l	99
6) Chloroethane	2.71	64	156230	19.805	ug/l	97
7) Trichlorofluoromethane	3.03	101	332604	20.045	ug/l	97
8) Diethyl Ether	3.41	74	126998	20.288	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	205550	19.429	ug/l	98
10) Methyl Iodide	3.96	142	290261	19.537	ug/l	100
11) Tert butyl alcohol	4.77	59	62928	94.770	ug/l	100
12) 1,1-Dichloroethene	3.74	96	201901	19.753	ug/l	99
13) Acrolein	3.61	56	64600	107.294	ug/l	99
14) Allyl chloride	4.33	41	326430	20.618	ug/l	96
15) Acrylonitrile	4.99	53	362878	98.371	ug/l	100
16) Acetone	3.82	43	220182	103.192	ug/l	96
17) Carbon Disulfide	4.06	76	574728	17.242	ug/l	99
18) Methyl Acetate	4.33	43	184663	19.682	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	558457	20.417	ug/l	99
20) Methylene Chloride	4.56	84	236542	20.323	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	212997	19.396	ug/l	100
22) Diisopropyl ether	5.95	45	708622	20.969	ug/l	97
23) Vinyl Acetate	5.90	43	2024922	104.203	ug/l	99
24) 1,1-Dichloroethane	5.85	63	408938	20.364	ug/l	99
25) 2-Butanone	6.83	43	369590	103.212	ug/l	98
26) 2,2-Dichloropropane	6.83	77	262421	17.119	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	250412	20.142	ug/l	98
28) Bromochloromethane	7.20	49	181520	20.861	ug/l	96
29) Tetrahydrofuran	7.21	42	263424	98.496	ug/l	97
30) Chloroform	7.37	83	399453	20.249	ug/l	99
31) Cyclohexane	7.66	56	384594	19.785	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	331821	19.746	ug/l	99
36) 1,1-Dichloropropene	7.79	75	311767	19.523	ug/l	99
37) Ethyl Acetate	6.93	43	175961	19.738	ug/l	98
38) Carbon Tetrachloride	7.78	117	282497	19.300	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358863	18.498	ug/l	97
40) Benzene	8.04	78	946687	19.930	ug/l	100
41) Methacrylonitrile	7.17	41	104669	20.320	ug/l	93
42) 1,2-Dichloroethane	8.13	62	277544	19.779	ug/l	98
43) Isopropyl Acetate	8.16	43	342490	19.209	ug/l	99
44) Trichloroethene	8.83	130	264945	19.284	ug/l	96
45) 1,2-Dichloropropane	9.12	63	248839	20.112	ug/l	99
46) Dibromomethane	9.21	93	140712	19.523	ug/l	98
47) Bromodichloromethane	9.40	83	300478	19.612	ug/l	99
48) Methyl methacrylate	9.20	41	167919	19.411	ug/l	99
49) 1,4-Dioxane	9.20	88	40351	368.743	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	862562	99.910	ug/l	99
52) Toluene	10.16	92	581285	19.743	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	298568	18.532	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	351645	19.016	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	203056	19.769	ug/l	99
56) Ethyl methacrylate	10.43	69	265978	19.564	ug/l	97
57) 1,3-Dichloropropane	10.71	76	351573	19.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	751847	100.733	ug/l	98
59) 2-Hexanone	10.75	43	574518	98.356	ug/l	99
60) Dibromochloromethane	10.90	129	224301	19.077	ug/l	99
61) 1,2-Dibromoethane	11.01	107	201099	19.278	ug/l	99
64) Tetrachloroethene	10.63	164	295730	18.601	ug/l	99
65) Chlorobenzene	11.43	112	645185	19.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226904	20.055	ug/l	99
67) Ethyl Benzene	11.51	91	1099089	19.643	ug/l	98
68) m/p-Xylenes	11.62	106	832796	39.153	ug/l	100
69) o-Xylene	11.95	106	409412	20.059	ug/l	99
70) Styrene	11.96	104	655661	19.700	ug/l	99
71) Bromoform	12.13	173	146716	17.950	ug/l #	98
73) Isopropylbenzene	12.25	105	1071185	20.596	ug/l	99
74) N-amyl acetate	12.07	43	295282	20.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	223203	21.876	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	297508	26.587	ug/l #	100
77) Bromobenzene	12.53	156	276006	20.416	ug/l	98
78) n-propylbenzene	12.59	91	1189687	20.085	ug/l	99
79) 2-Chlorotoluene	12.67	91	714906	19.472	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	845293	19.940	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	61173	17.620	ug/l	100
82) 4-Chlorotoluene	12.77	91	726146	20.204	ug/l	100
83) tert-Butylbenzene	12.99	119	751396	20.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	855097	20.066	ug/l	100
85) sec-Butylbenzene	13.17	105	981082	19.347	ug/l	100
86) p-Isopropyltoluene	13.29	119	843376	19.247	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	470059	19.645	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	462890	19.103	ug/l	98
89) n-Butylbenzene	13.62	91	668897	17.744	ug/l	100
90) Hexachloroethane	13.88	117	125544	18.670	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	449064	19.941	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33297	18.874	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

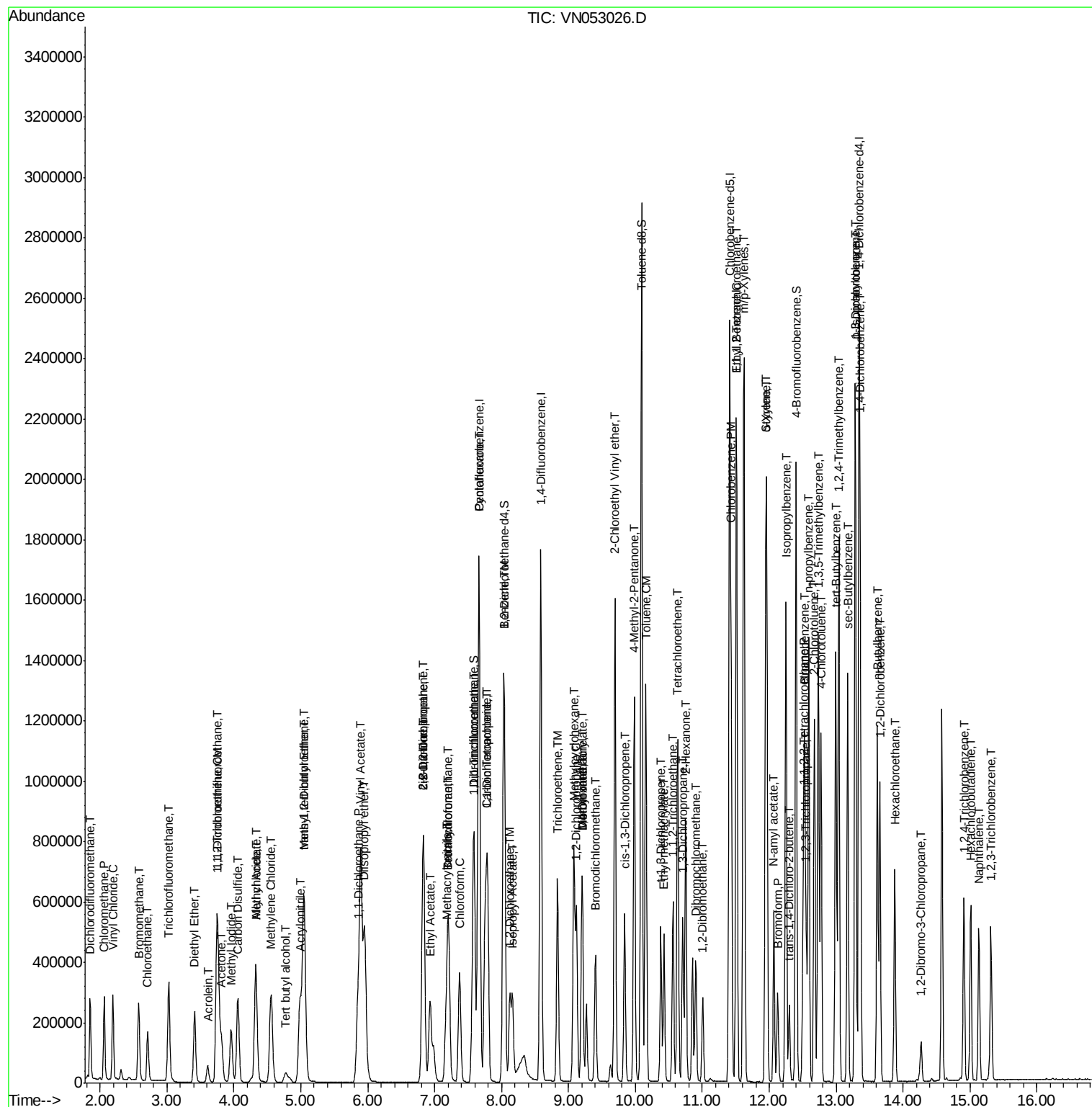
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	214787	18.384	ug/l	99
94) Hexachlorobutadiene	15.01	225	133208	19.831	ug/l	98
95) Naphthalene	15.13	128	445378	17.797	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	192297	18.225	ug/l	99

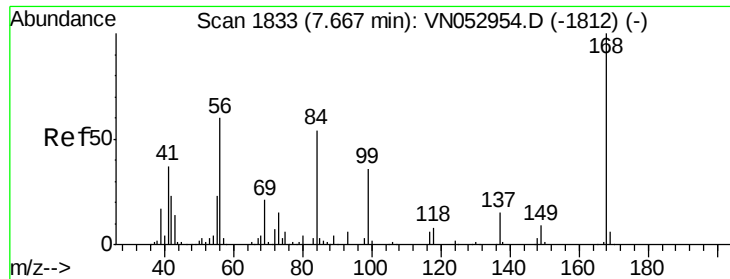
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

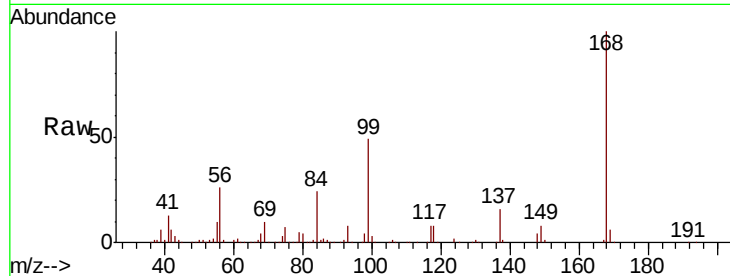
VN1219MBS02

Tot Ion:168 Resp: 1072366

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

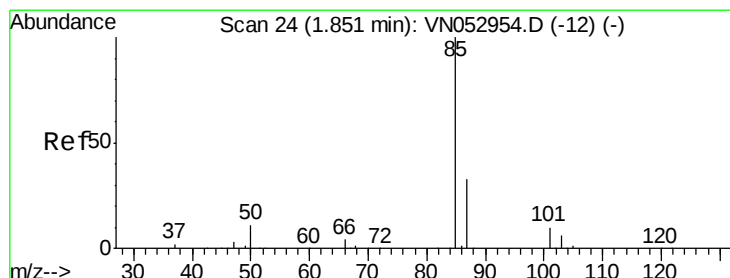
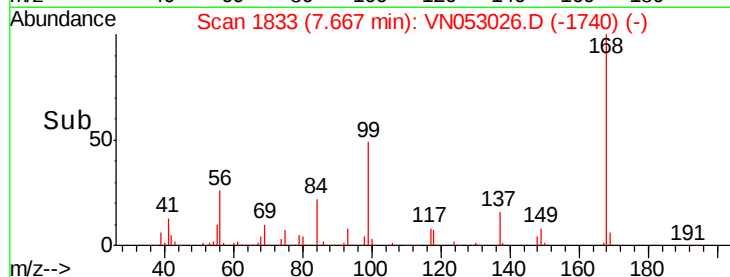
200000

100000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.247 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053026.D

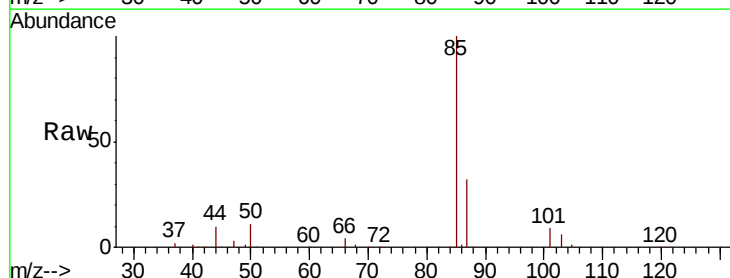
Acq: 19 Dec 2018 22:50

Tgt Ion: 85 Resp: 208890

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

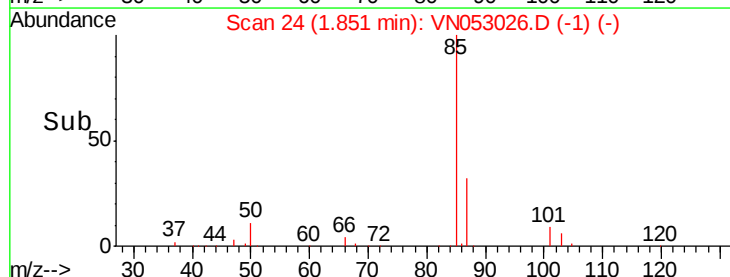
100000

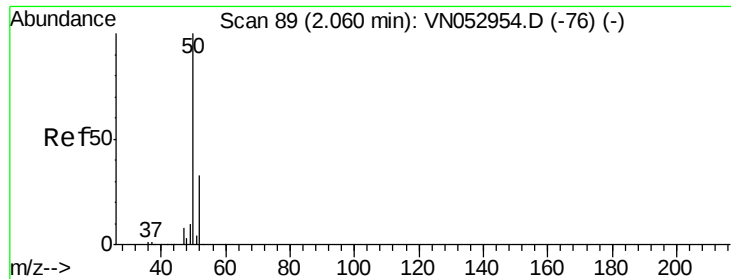
50000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.911 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

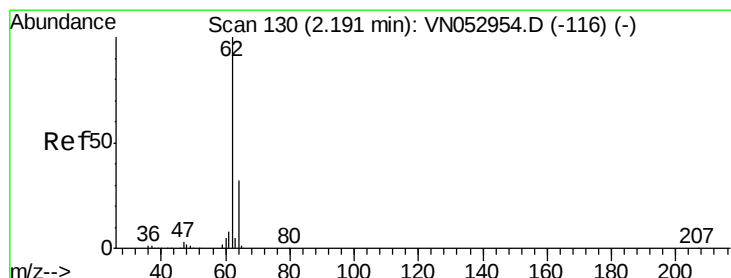
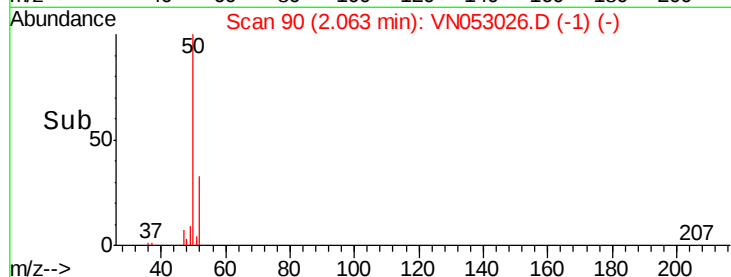
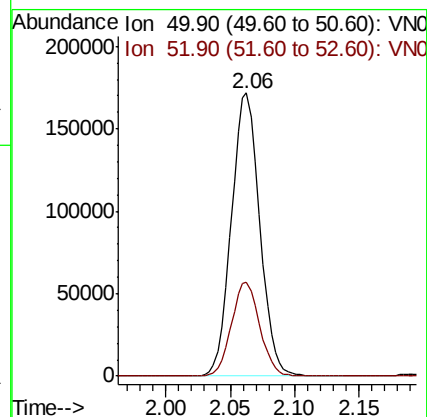
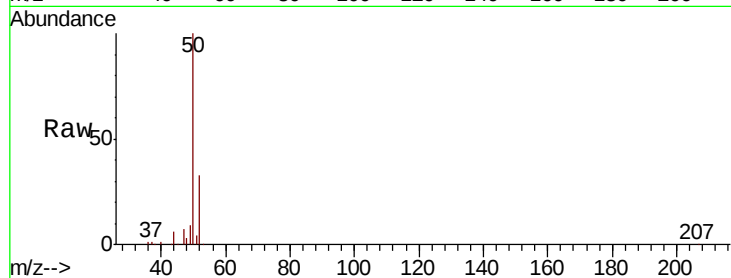
VN1219MBS02

Tot Ion: 50 Resp: 261859

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 19.769 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053026.D

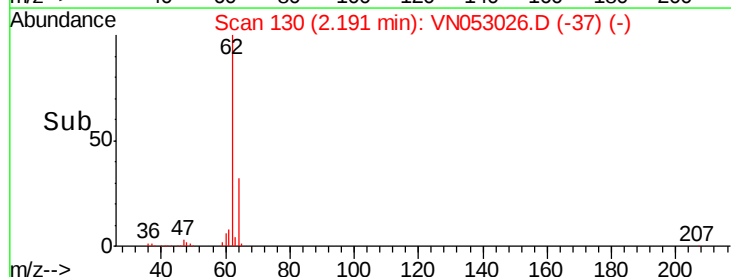
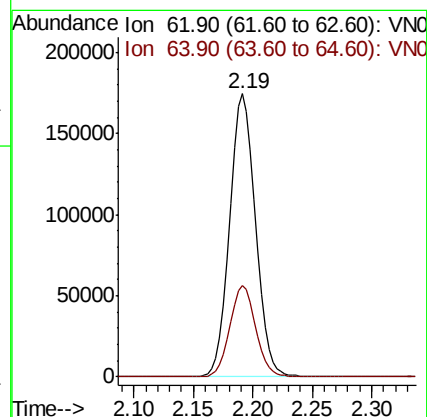
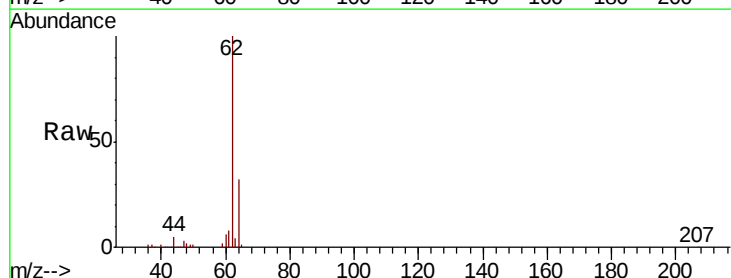
Acq: 19 Dec 2018 22:50

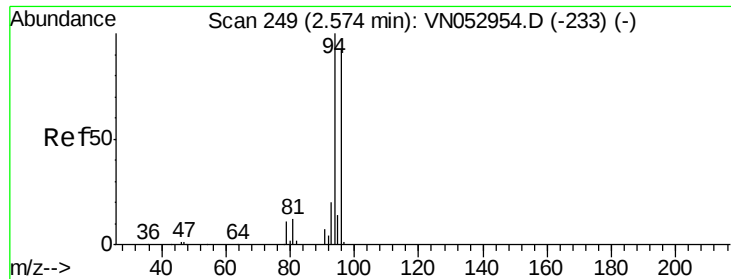
Tgt Ion: 62 Resp: 263320

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 19.277 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

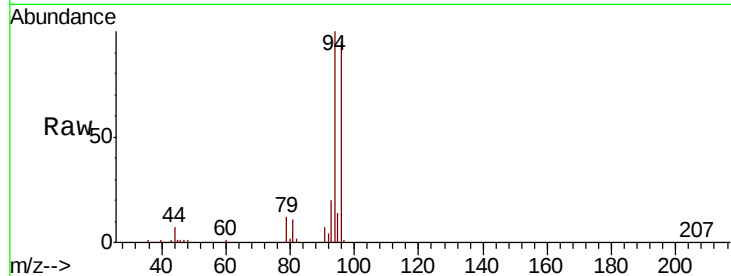
VN1219MBS02

Tot Ion: 94 Resp: 177891

Ion Ratio Lower Upper

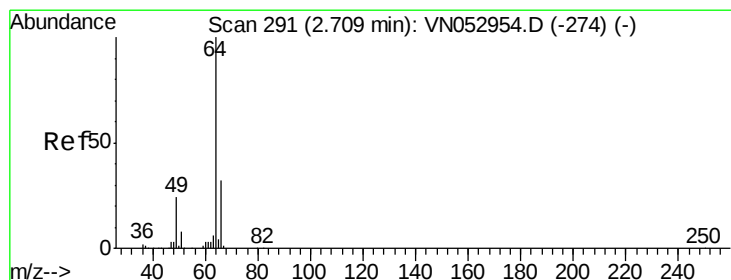
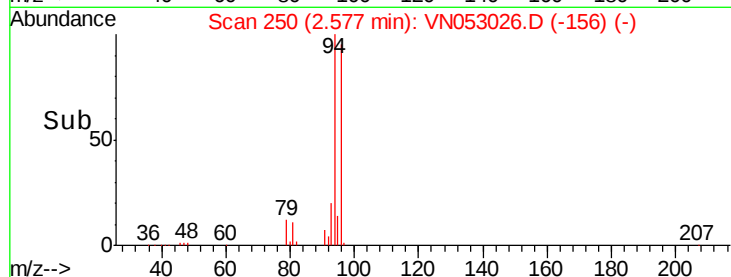
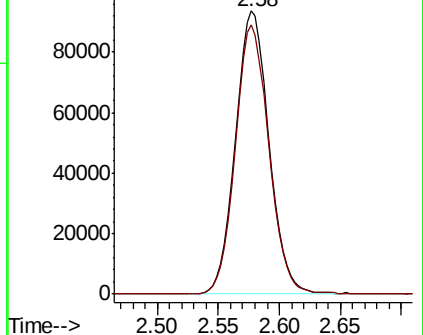
94 100

96 95.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN053026.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN053026.D (-156) (-)



#6

Chloroethane

Concen: 19.805 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053026.D

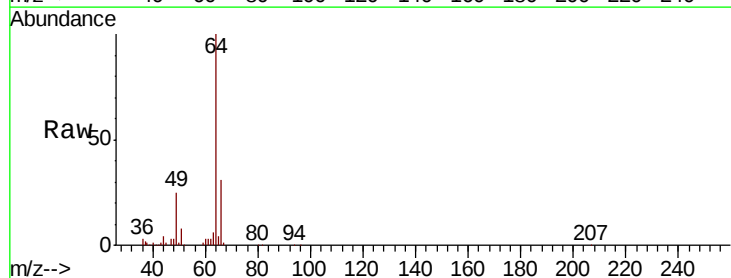
Acq: 19 Dec 2018 22:50

Tgt Ion: 64 Resp: 156230

Ion Ratio Lower Upper

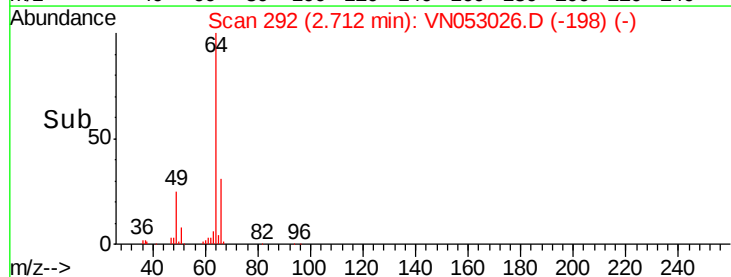
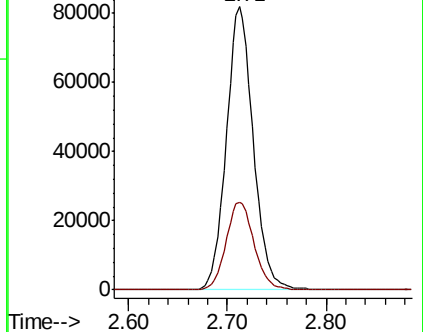
64 100

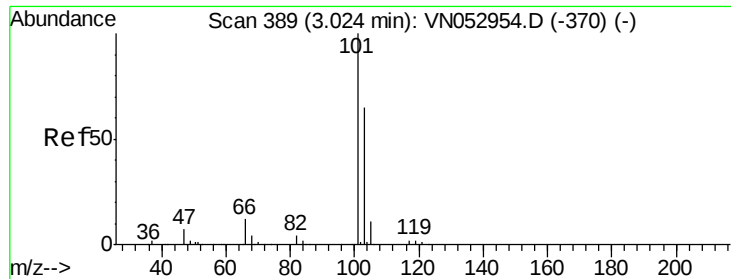
66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN053026.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN053026.D (-198) (-)



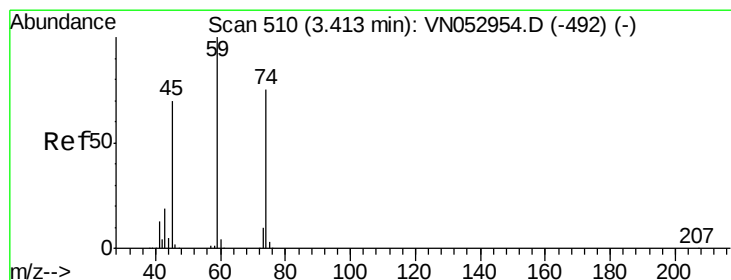
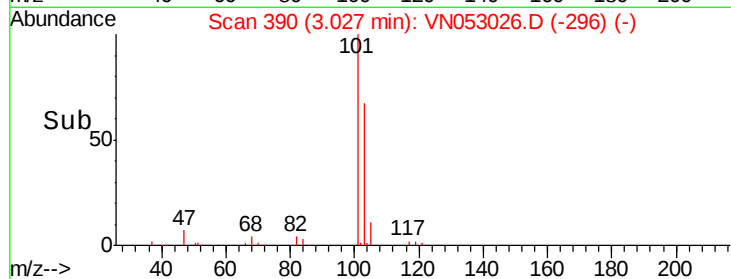
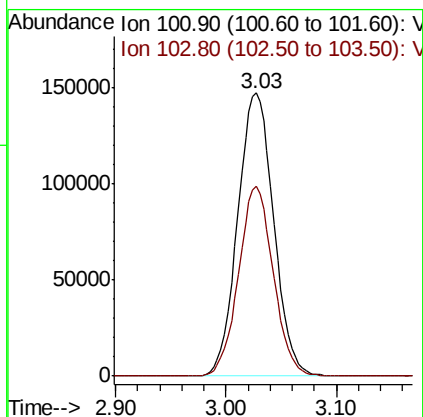
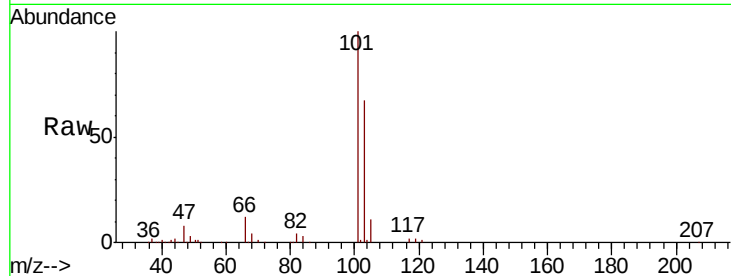


#7

Trichlorofluoromethane
 Concen: 20.045 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
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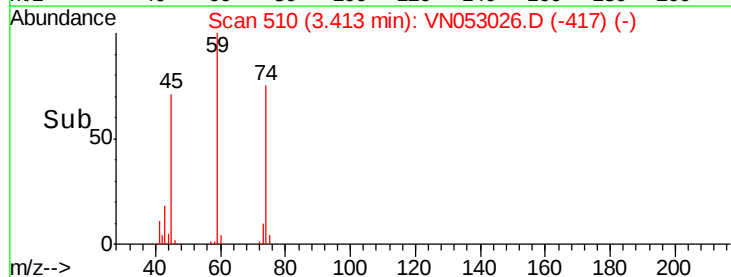
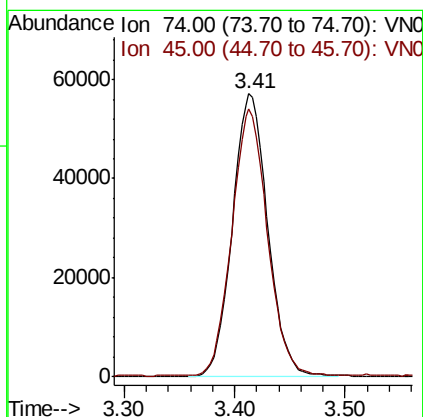
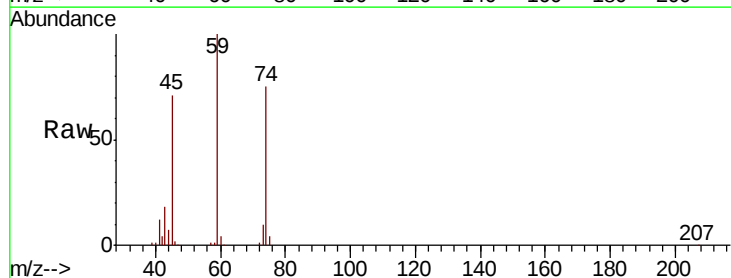
Tot Ion:101 Resp: 332604
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.8 77.6

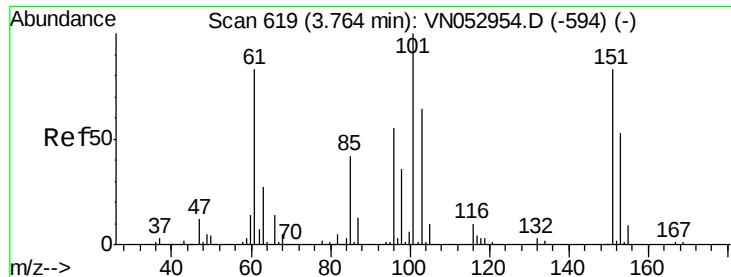


#8

Diethyl Ether
 Concen: 20.288 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 74 Resp: 126998
 Ion Ratio Lower Upper
 74 100
 45 94.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.429 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

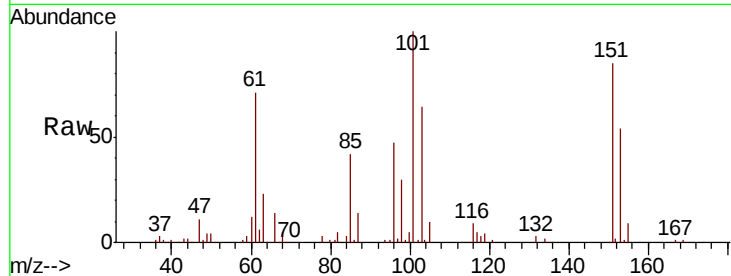
Tot Ion:101 Resp: 205550

Ion Ratio Lower Upper

101 100

85 41.9 33.6 50.4

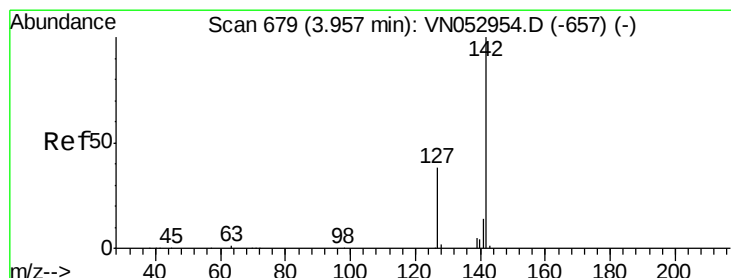
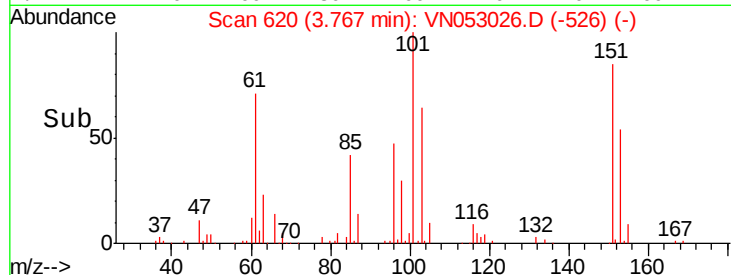
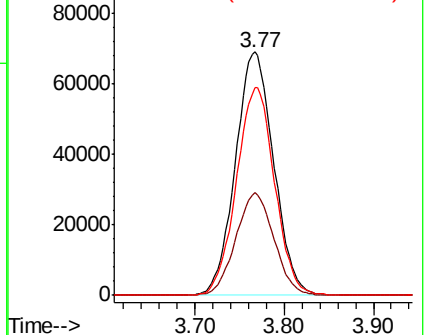
151 85.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.537 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

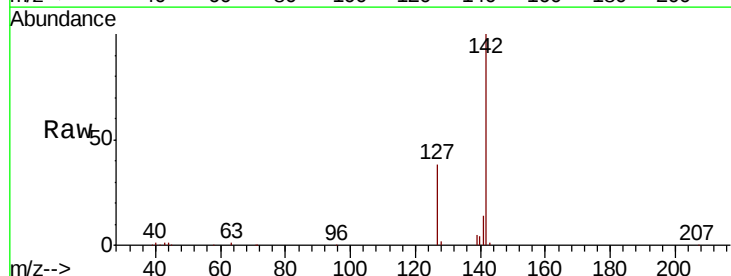
Tgt Ion:142 Resp: 290261

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.6

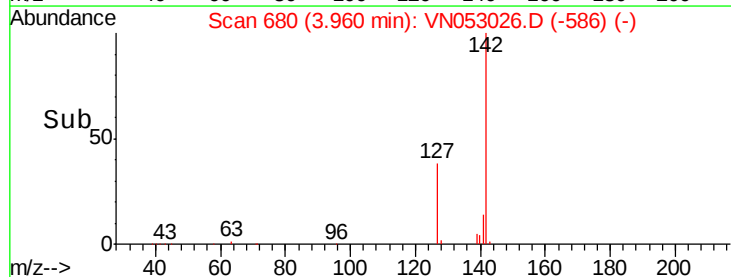
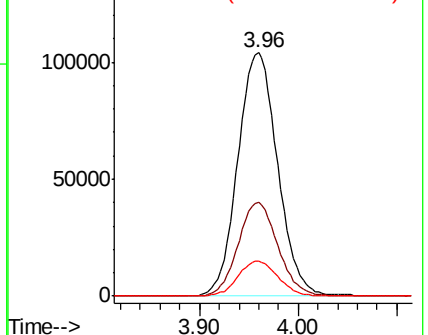
141 14.4 11.2 16.8

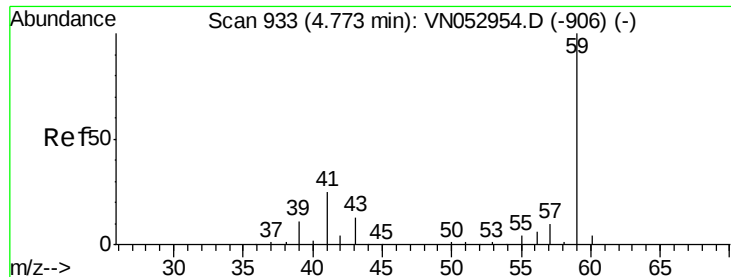


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

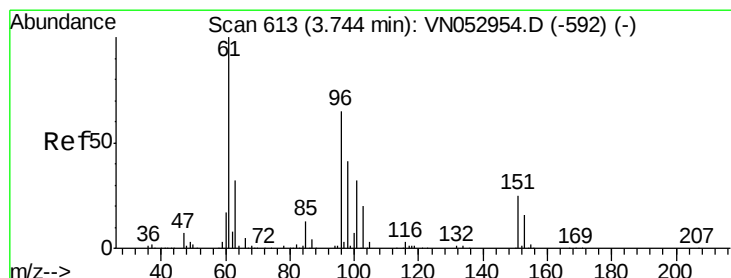
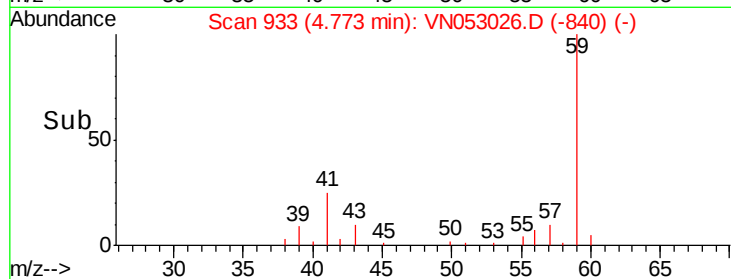
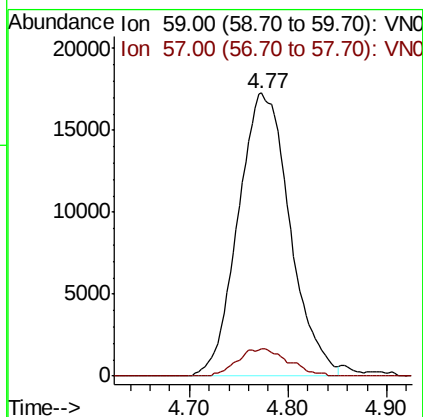
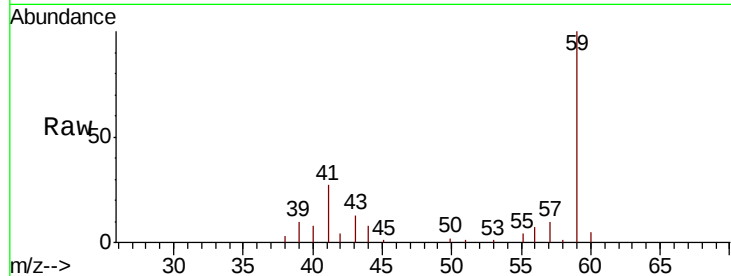




#11
Tert butyl alcohol
Concen: 94.770 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

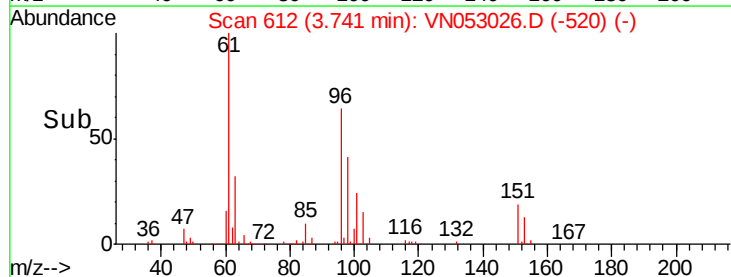
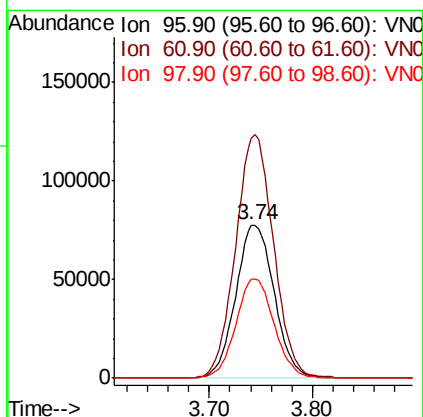
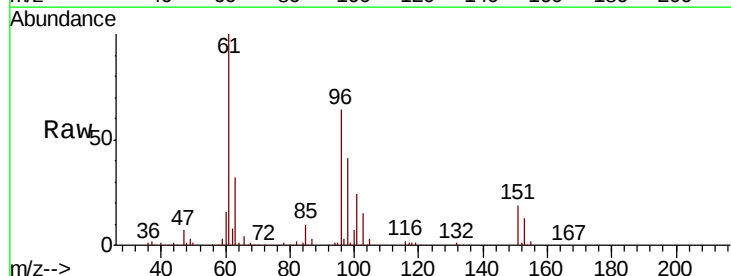
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

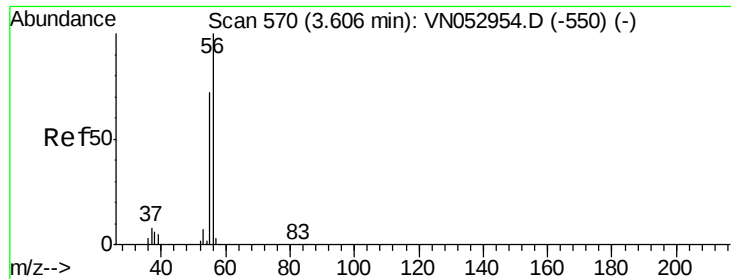
Tot Ion: 59 Resp: 62928
Ion Ratio Lower Upper
59 100
57 9.5 7.7 11.5



#12
1,1-Dichloroethene
Concen: 19.753 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 96 Resp: 201901
Ion Ratio Lower Upper
96 100
61 157.0 125.6 188.4
98 64.7 50.6 75.8





#13

Acrolein

Concen: 107.294 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

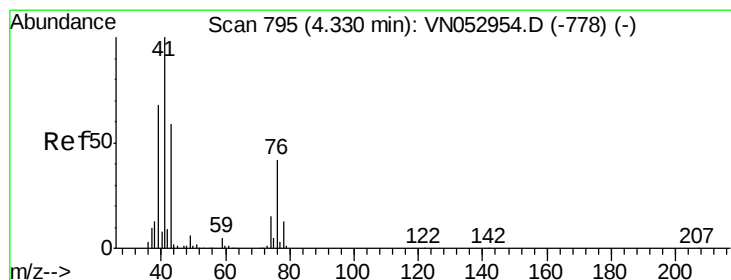
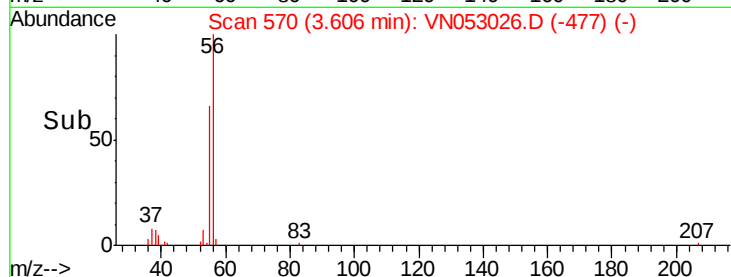
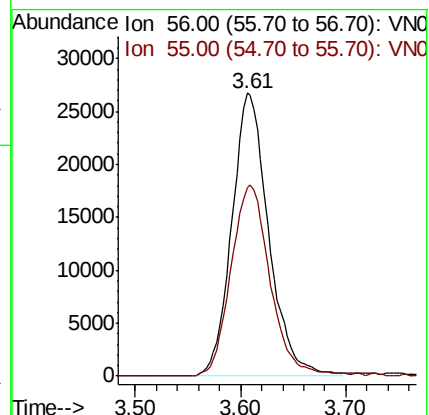
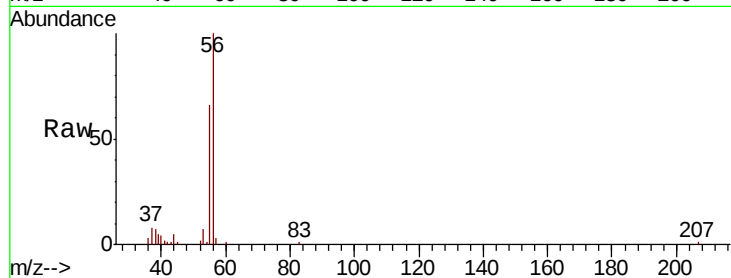
VN1219MBS02

Tot Ion: 56 Resp: 64600

Ion Ratio Lower Upper

56 100

55 72.0 56.6 85.0



#14

Allyl chloride

Concen: 20.618 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

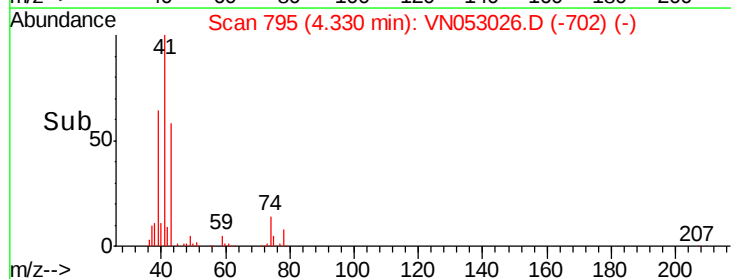
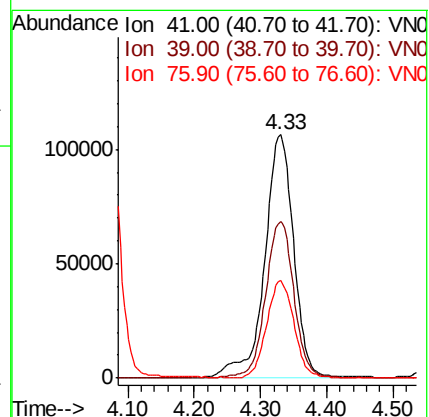
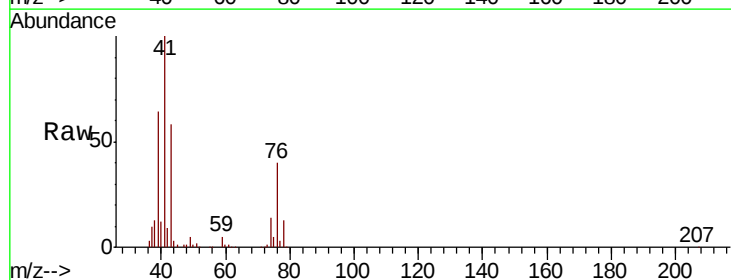
Tgt Ion: 41 Resp: 326430

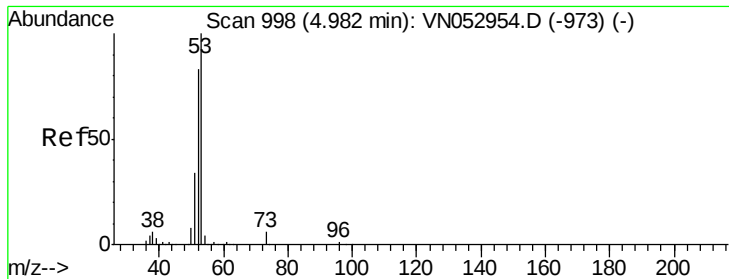
Ion Ratio Lower Upper

41 100

39 62.6 54.1 81.1

76 37.1 30.3 45.5





#15

Acrylonitrile

Concen: 98.371 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

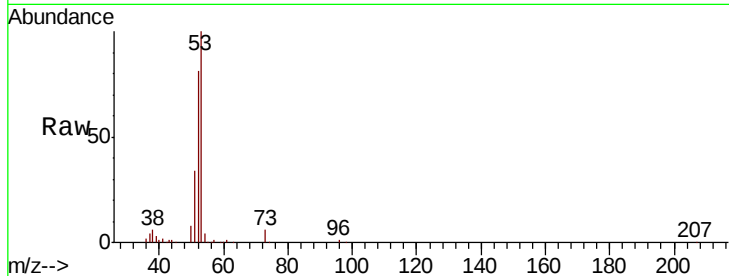
Tot Ion: 53 Resp: 362878

Ion Ratio Lower Upper

53 100

52 81.0 65.1 97.7

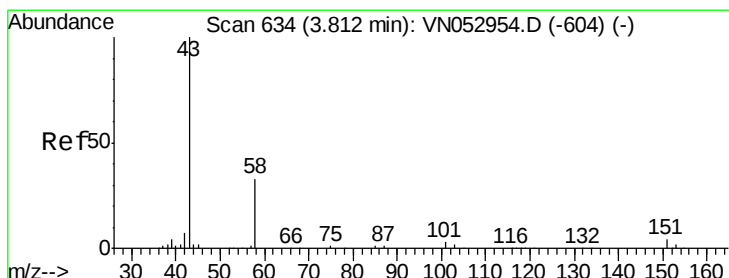
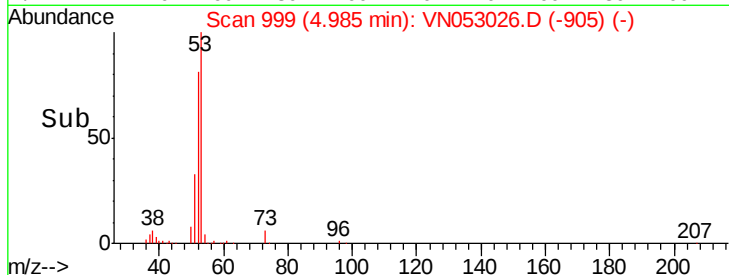
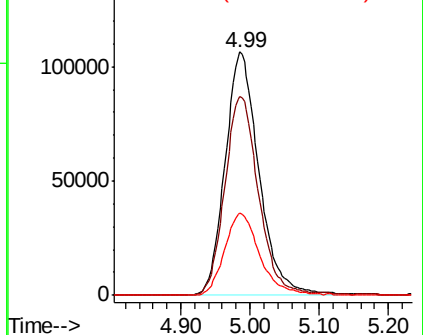
51 35.1 28.1 42.1



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



#16

Acetone

Concen: 103.192 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053026.D

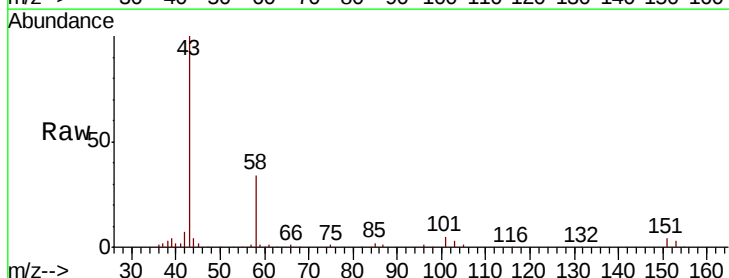
Acq: 19 Dec 2018 22:50

Tgt Ion: 43 Resp: 220182

Ion Ratio Lower Upper

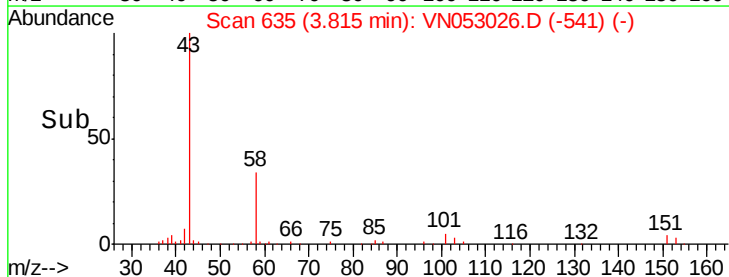
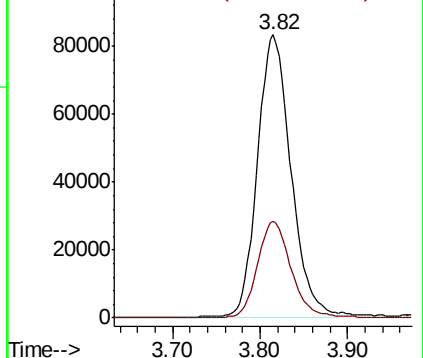
43 100

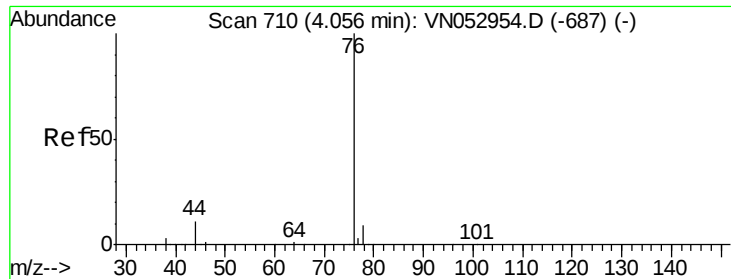
58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

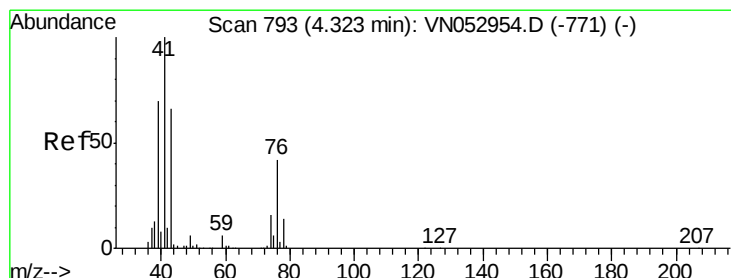
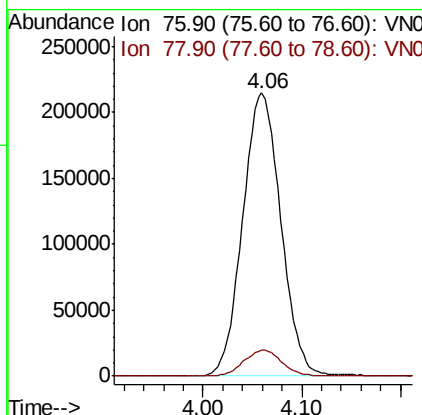
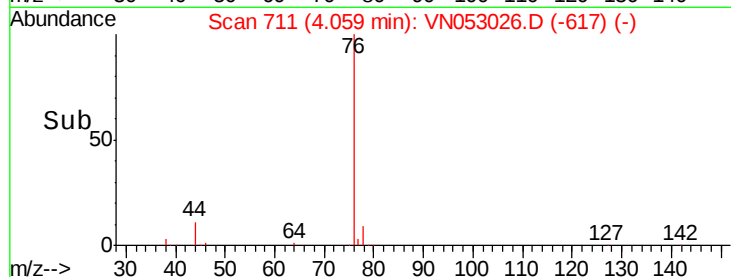
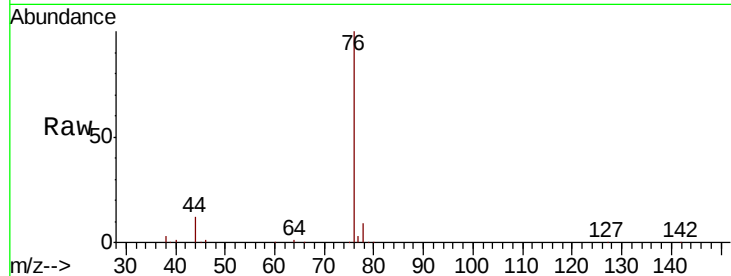




#17
Carbon Disulfide
Concen: 17.242 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

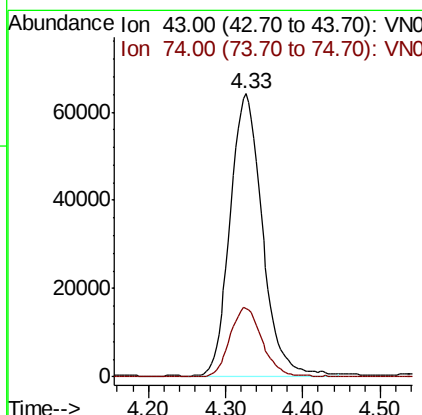
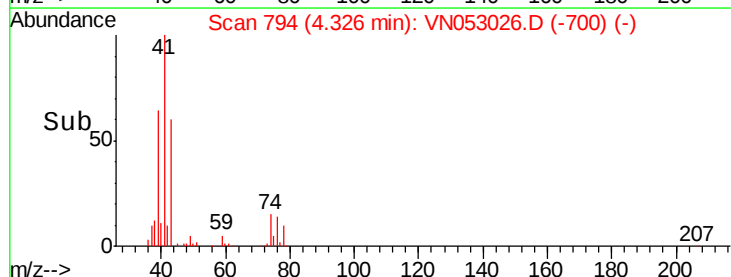
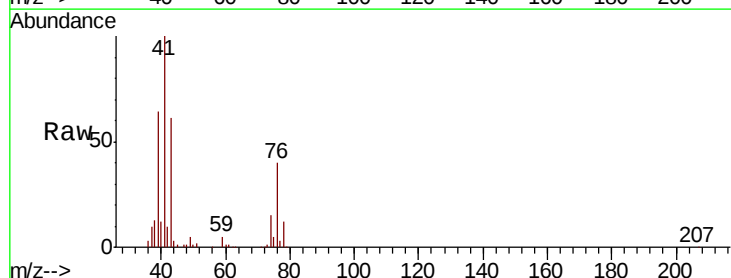
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

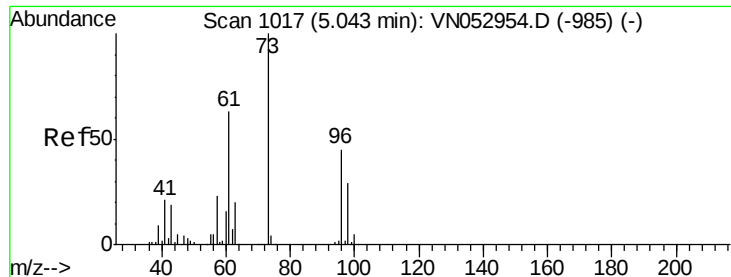
Tot Ion: 76 Resp: 574728
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 19.682 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 43 Resp: 184663
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8

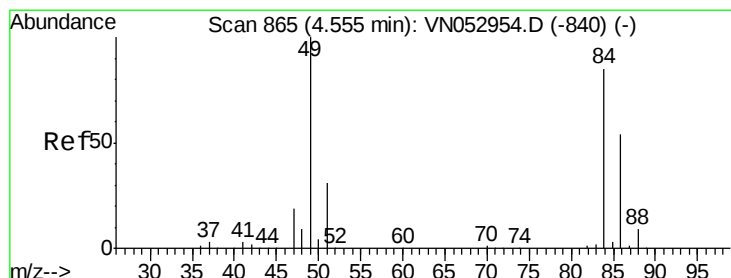
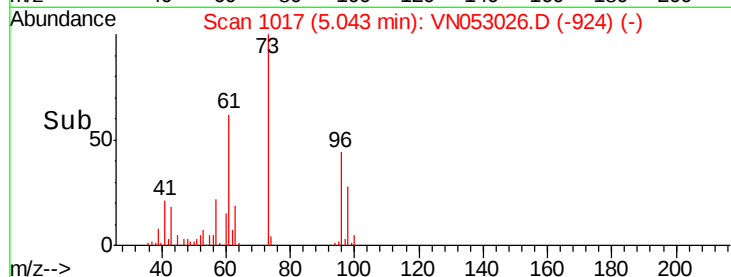
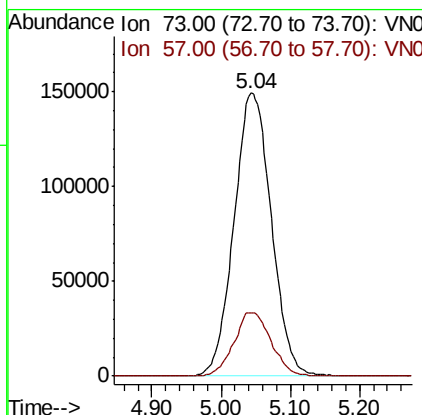
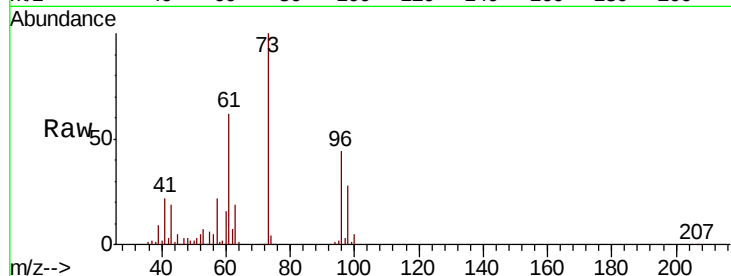




#19
Methyl tert-butyl Ether
Concen: 20.417 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

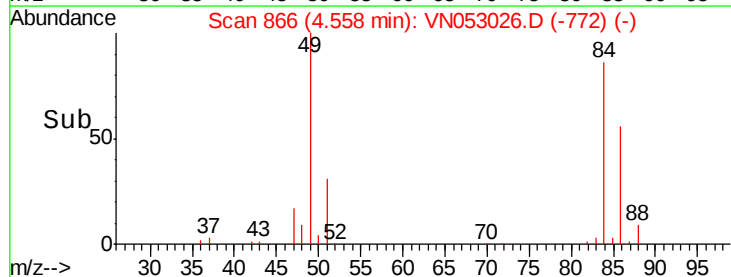
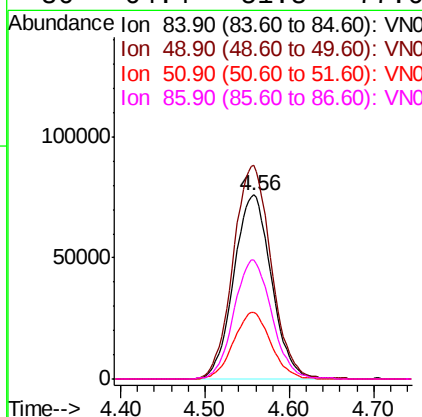
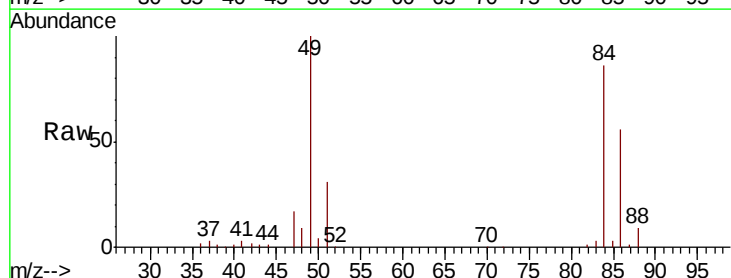
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

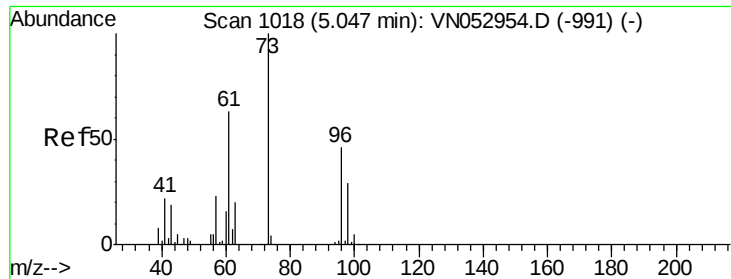
Tot Ion: 73 Resp: 558457
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 20.323 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 84 Resp: 236542
Ion Ratio Lower Upper
84 100
49 116.0 96.8 145.2
51 36.4 29.9 44.9
86 64.4 51.8 77.6

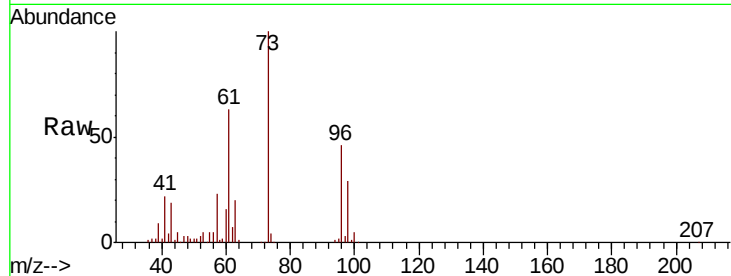




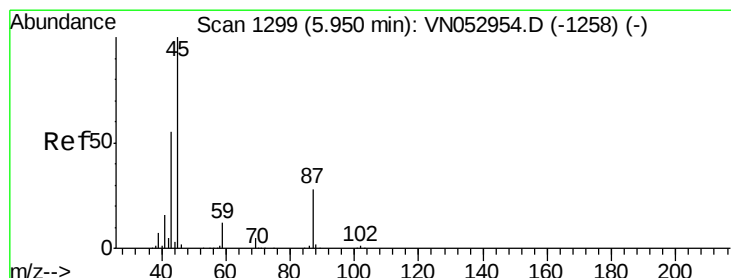
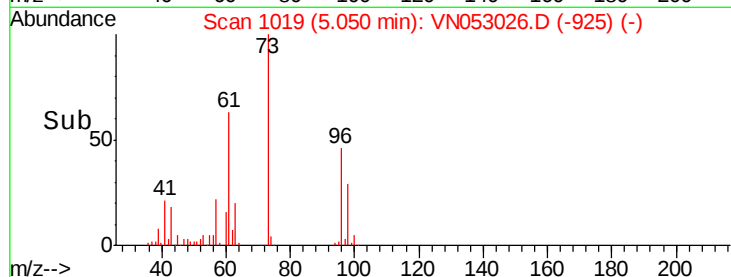
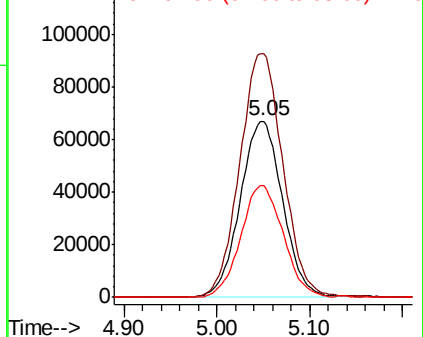
#21
trans-1,2-Dichloroethene
Concen: 19.396 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tot Ion: 96 Resp: 212997
Ion Ratio Lower Upper
96 100
61 138.4 110.8 166.2
98 63.6 51.4 77.2

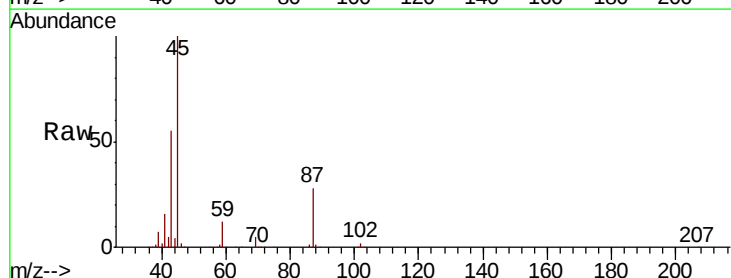


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

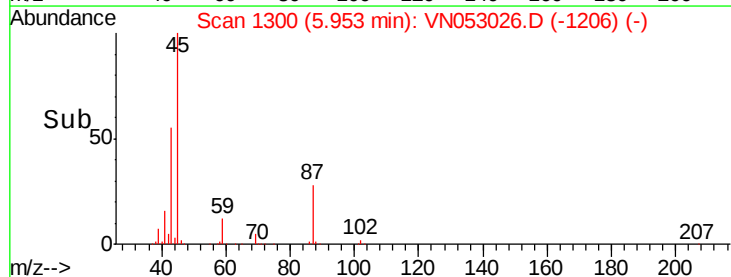
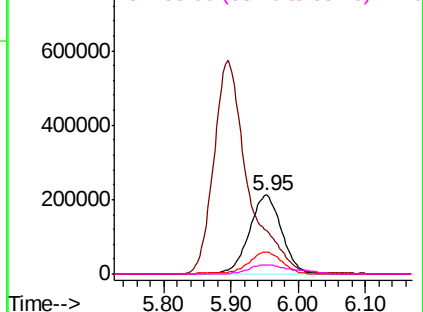


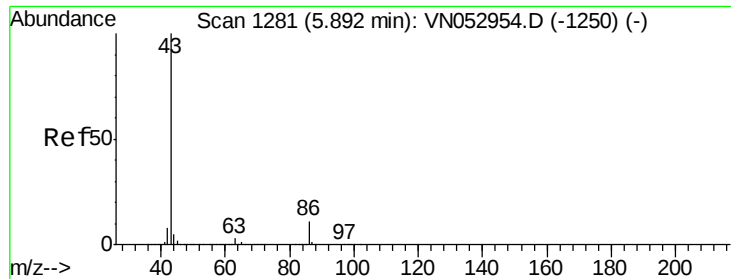
#22
Diisopropyl ether
Concen: 20.969 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 45 Resp: 708622
Ion Ratio Lower Upper
45 100
43 53.9 45.5 68.3
87 28.2 22.0 33.0
59 11.9 9.4 14.0



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





#23

Vinyl Acetate

Concen: 104.203 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

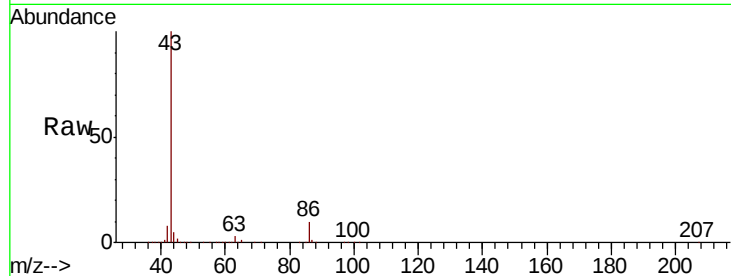
VN1219MBS02

Tot Ion: 43 Resp: 2024922

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

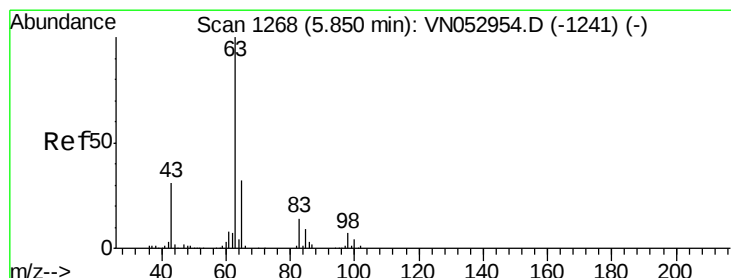
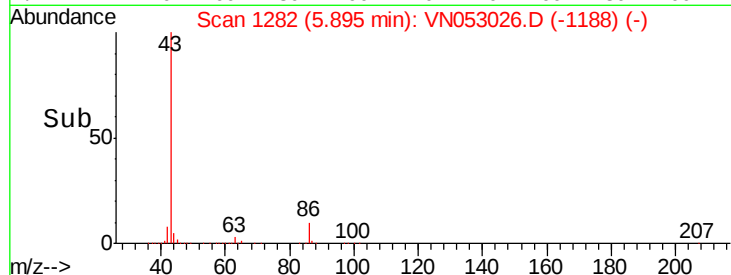
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.364 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

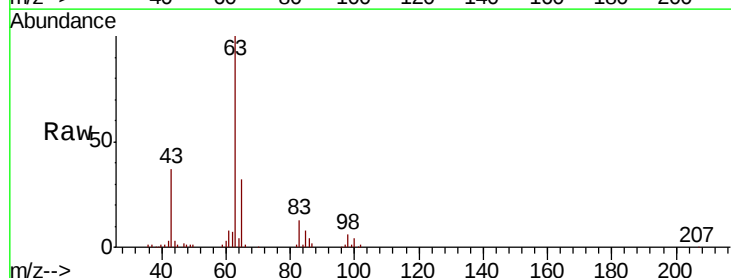
Tgt Ion: 63 Resp: 408938

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

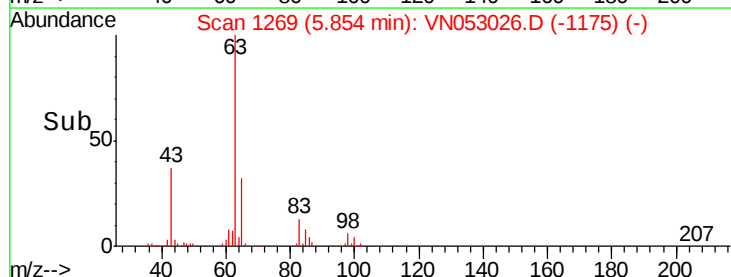
150000

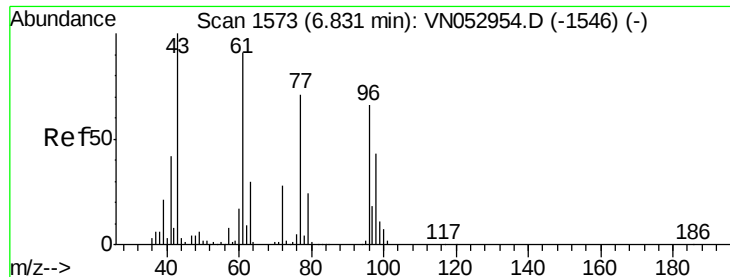
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

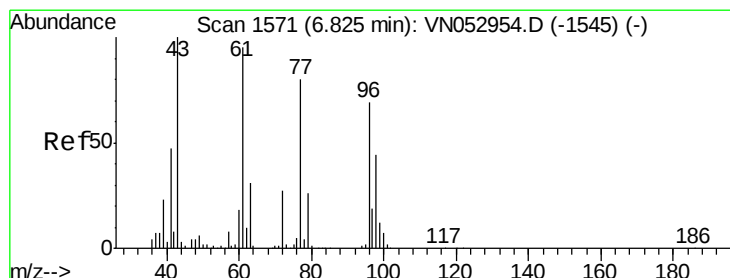
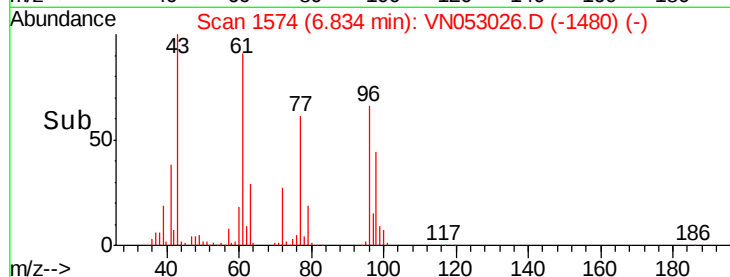
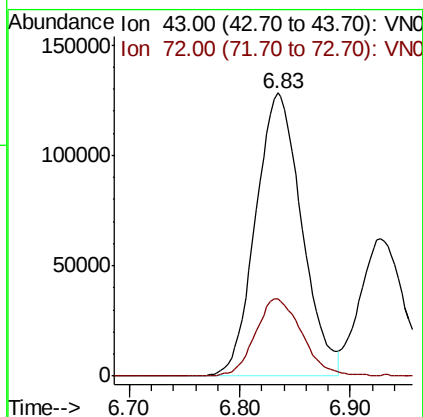
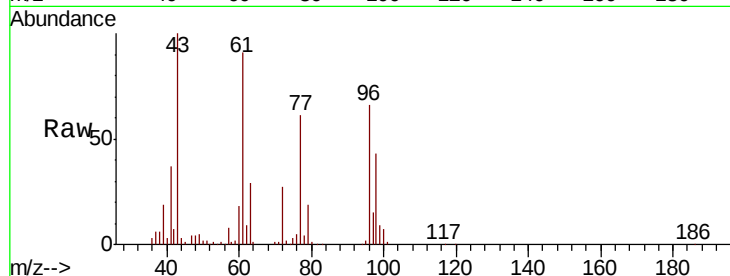




#25
2-Butanone
Concen: 103.212 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

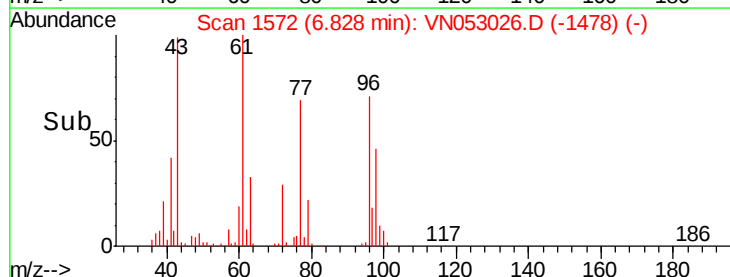
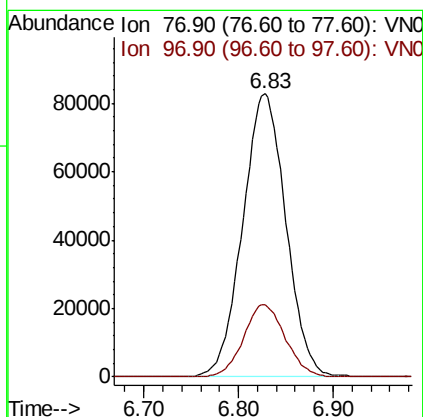
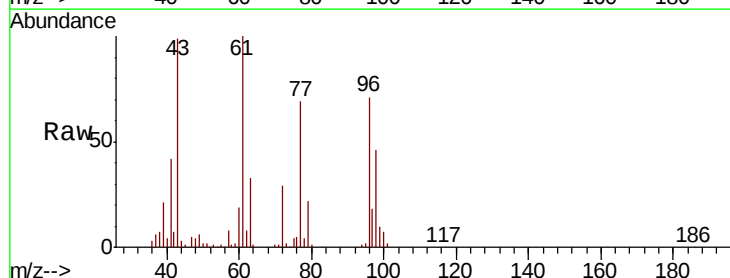
Instrument :
MSVOA_N
ClientSampled :
VN1219MBS02

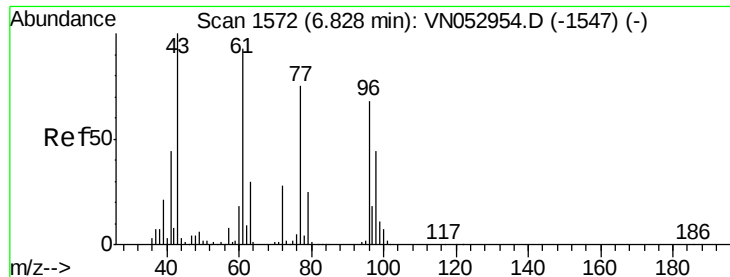
Tot Ion: 43 Resp: 369590
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.119 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 77 Resp: 262421
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.142 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

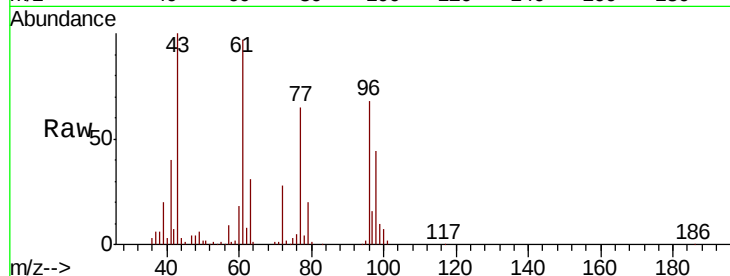
Tot Ion: 96 Resp: 250412

Ion Ratio Lower Upper

96 100

61 138.7 0.0 284.2

98 65.0 0.0 129.2

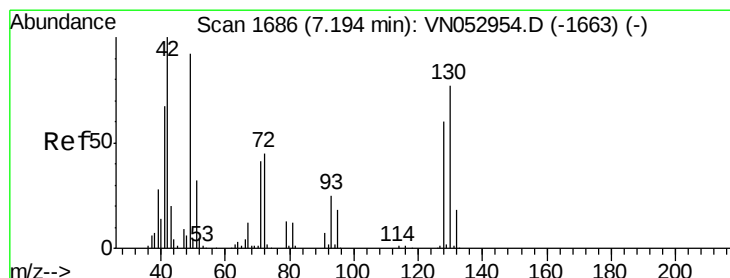
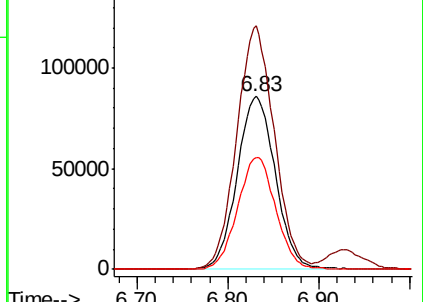
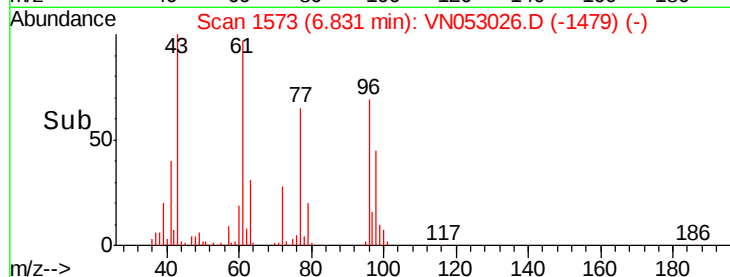


Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 20.861 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

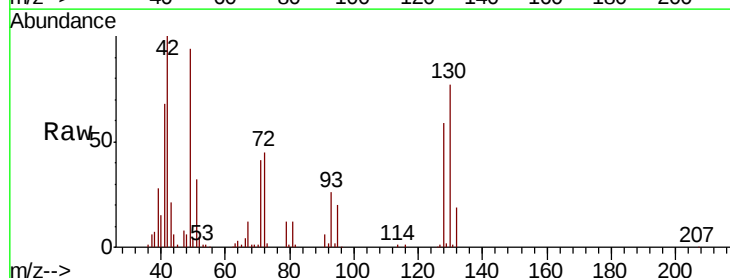
Tgt Ion: 49 Resp: 181520

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 83.0 63.3 94.9

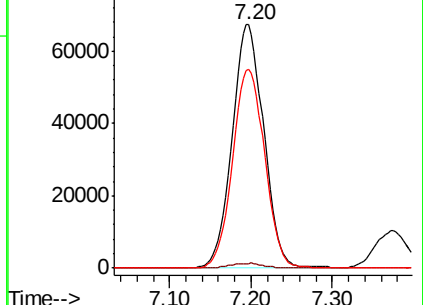
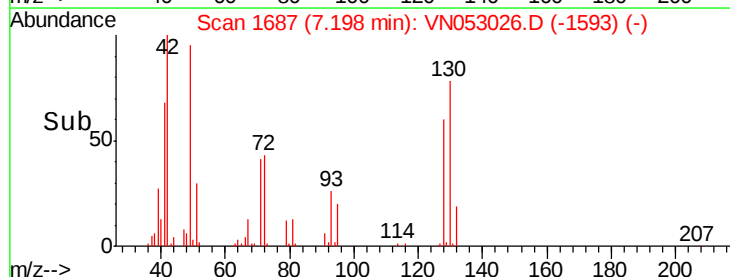


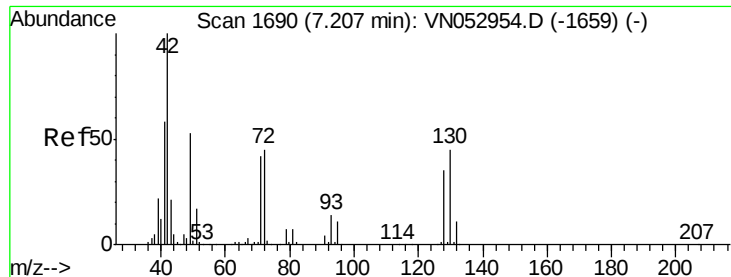
Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

Time-->





#29

Tetrahydrofuran

Concen: 98.496 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

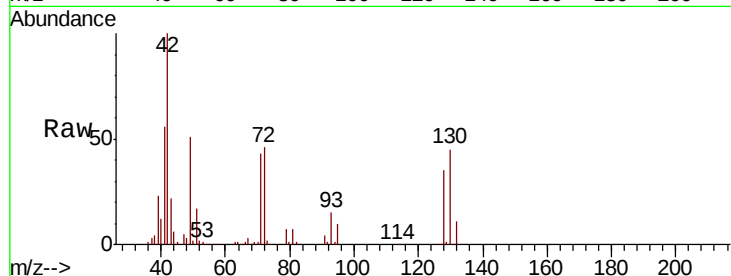
Tot Ion: 42 Resp: 263424

Ion Ratio Lower Upper

42 100

72 45.5 34.7 52.1

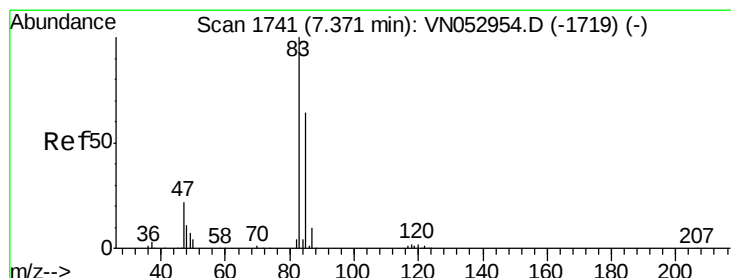
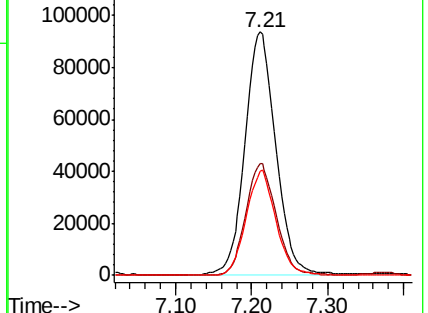
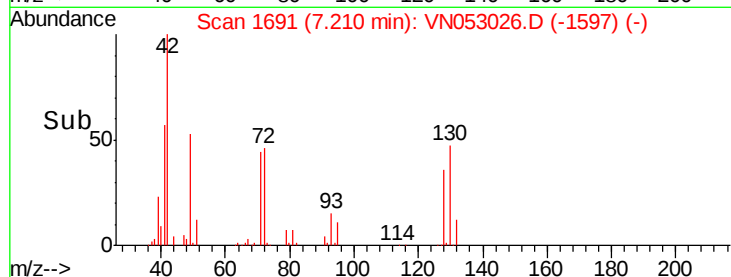
71 41.5 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN053026.D (-1597) (-)

Ion 72.00 (71.70 to 72.70): VN053026.D (-1597) (-)

Ion 71.00 (70.70 to 71.70): VN053026.D (-1597) (-)



#30

Chloroform

Concen: 20.249 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053026.D

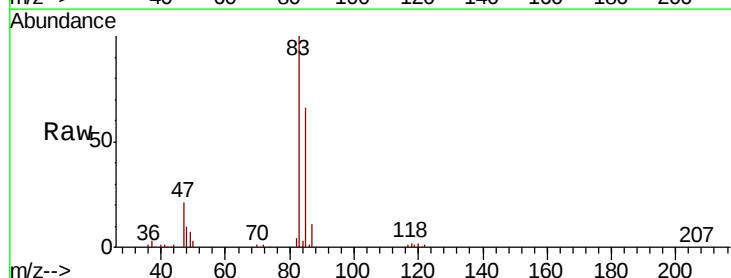
Acq: 19 Dec 2018 22:50

Tgt Ion: 83 Resp: 399453

Ion Ratio Lower Upper

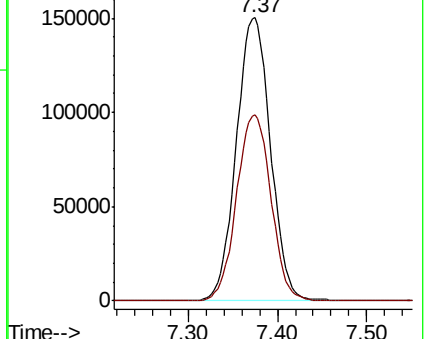
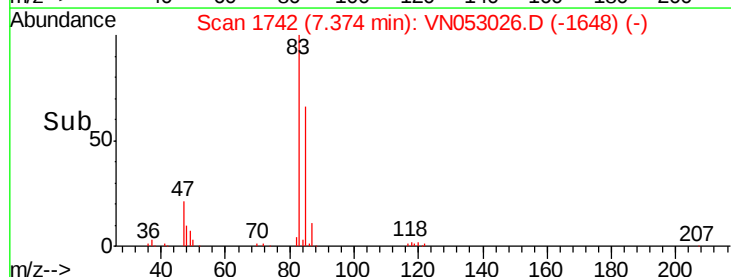
83 100

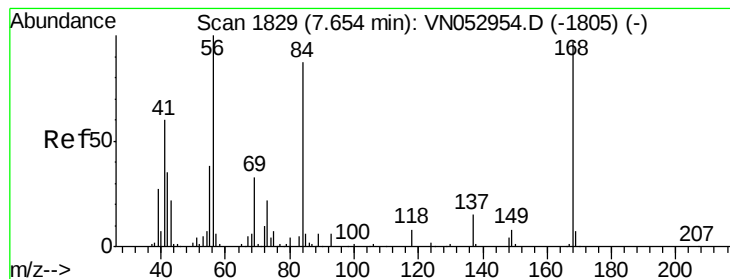
85 66.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN053026.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN053026.D (-1648) (-)





#31

Cyclohexane

Concen: 19.785 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

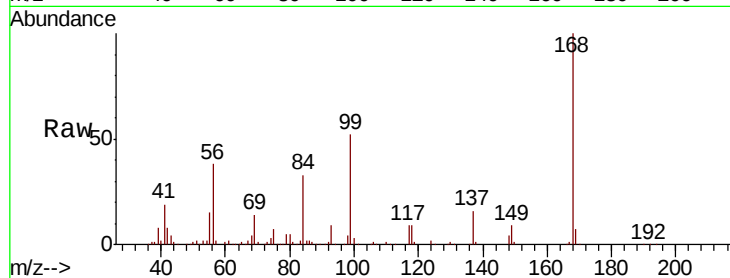
Tot Ion: 56 Resp: 384594

Ion Ratio Lower Upper

56 100

69 37.3 26.6 39.8

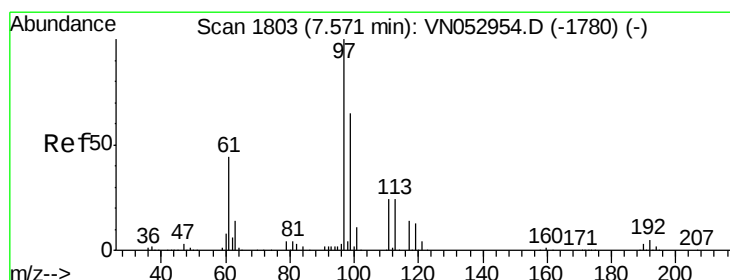
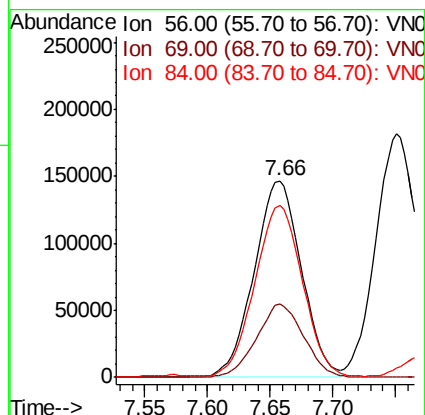
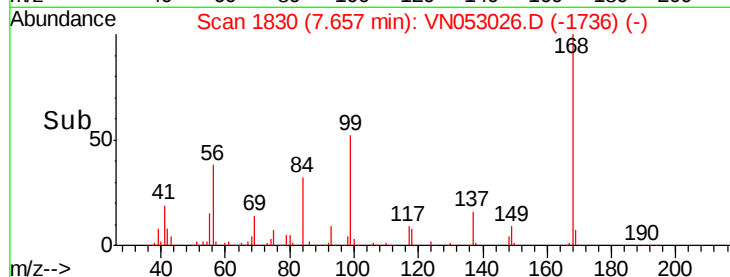
84 86.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053026.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053026.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053026.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.746 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

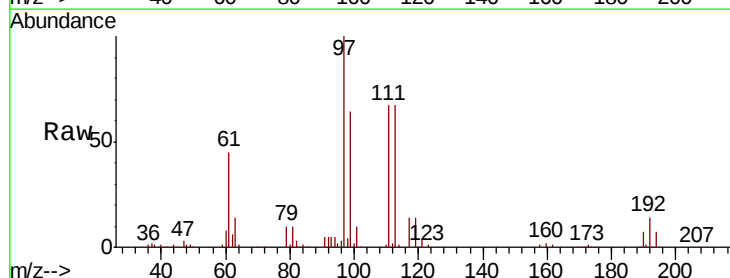
Tgt Ion: 97 Resp: 331821

Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

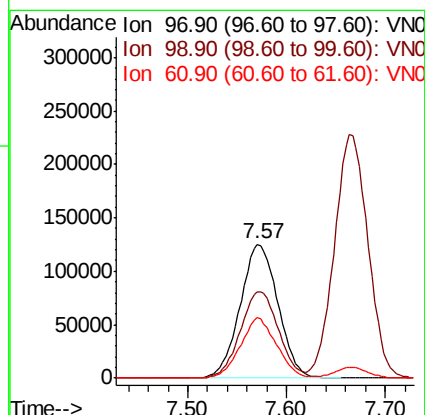
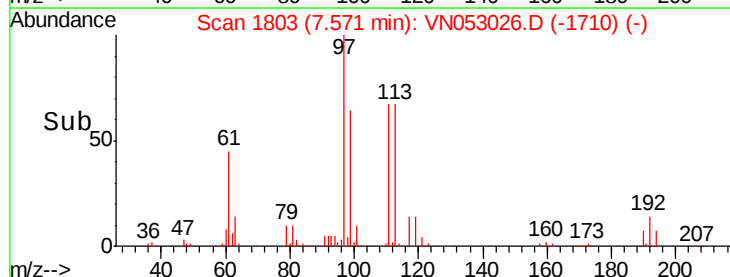
61 43.6 35.0 52.6

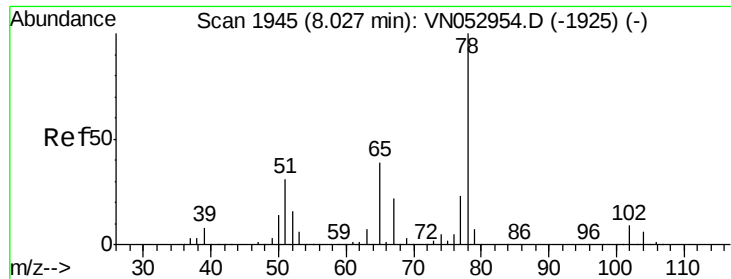


Abundance Ion 96.90 (96.60 to 97.60): VN053026.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053026.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053026.D (-1710) (-)

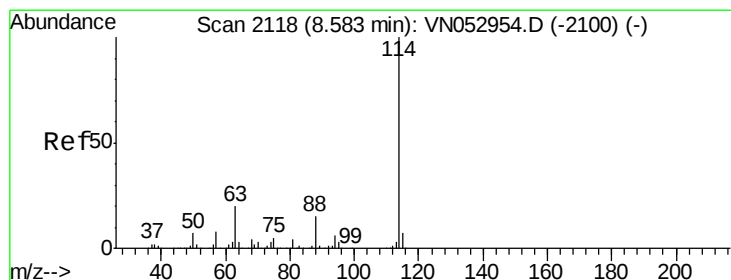
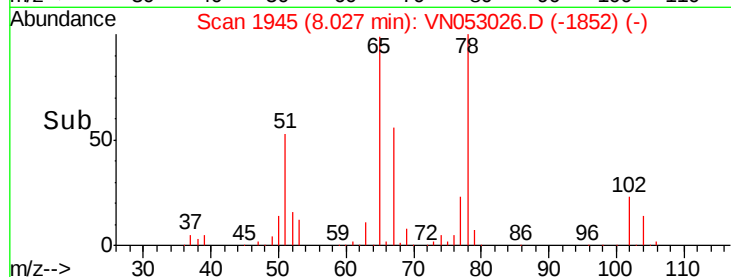
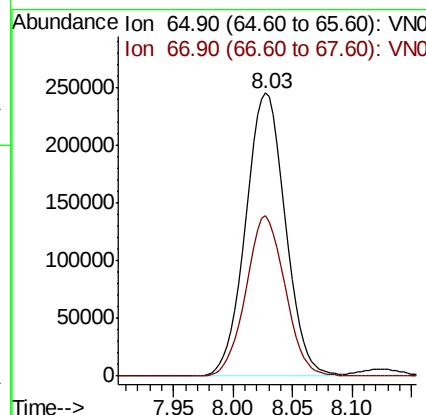
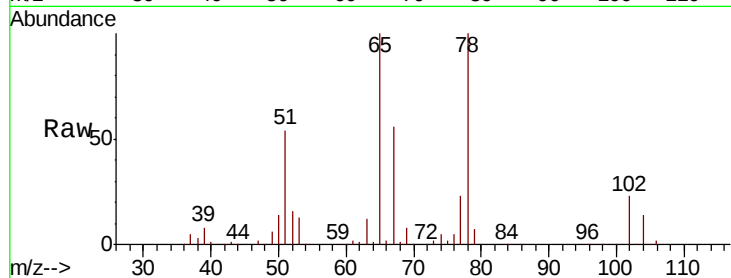




#33
 1,2-Dichloroethane-d4
 Concen: 19.746 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

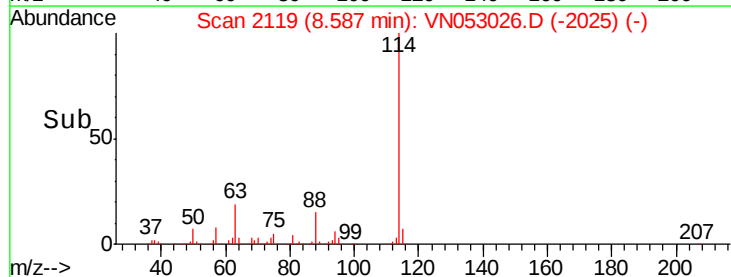
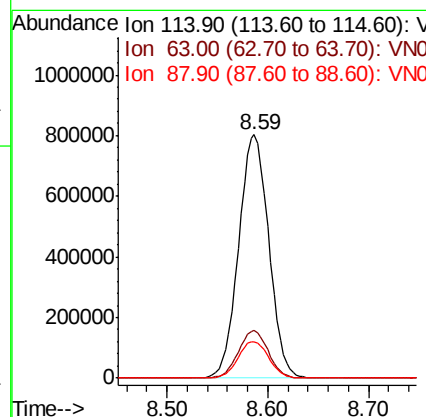
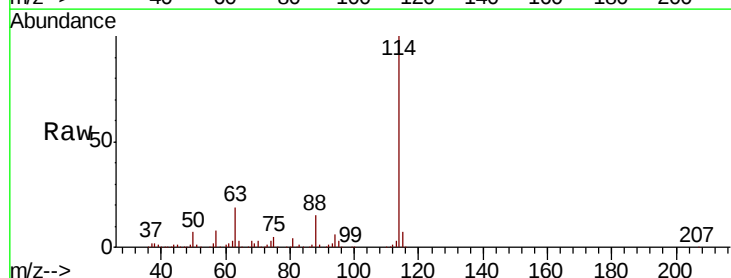
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219MBS02

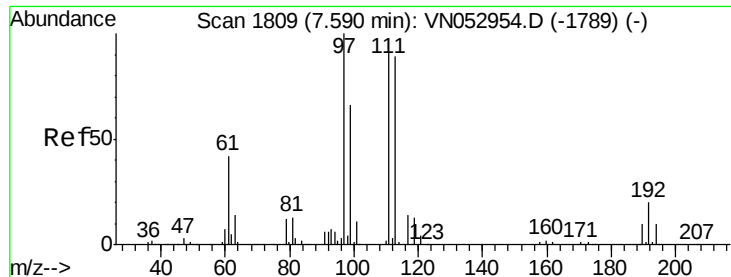
Tot Ion: 65 Resp: 567976
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 114 Resp: 1663781
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 31.0

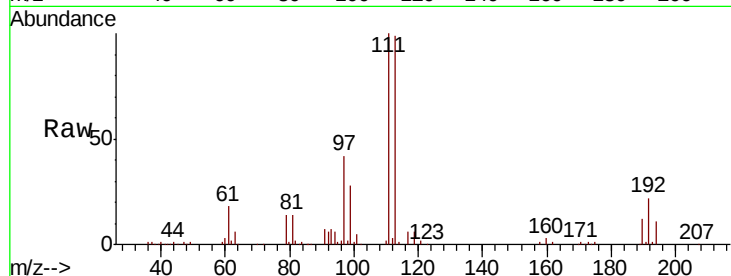




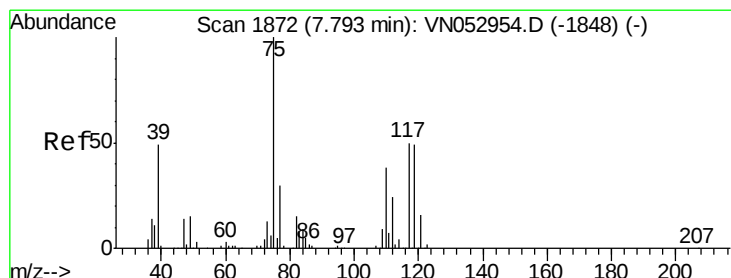
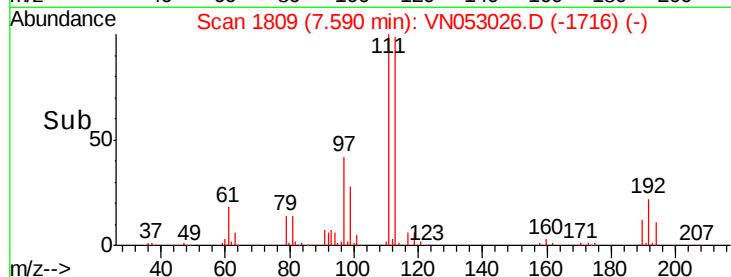
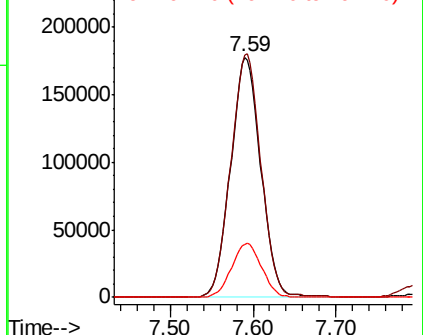
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tot Ion:113 Resp: 451464
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 22.4 17.5 26.3

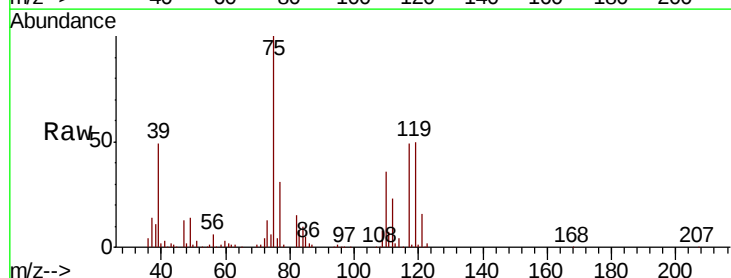


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

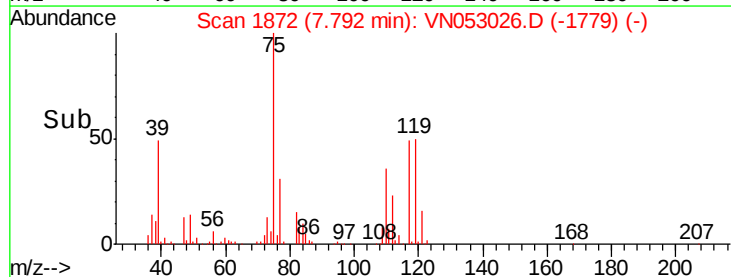
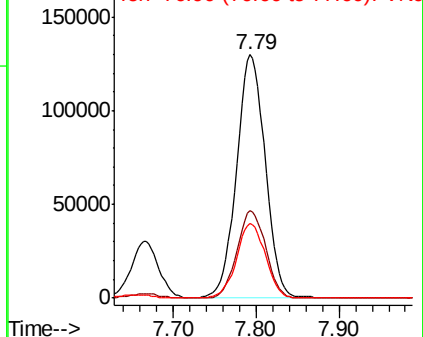


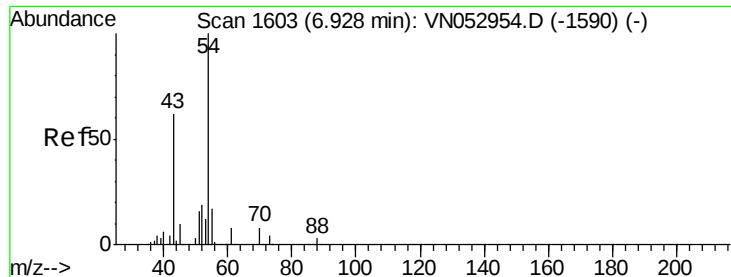
#36
 1,1-Dichloropropene
 Concen: 19.523 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 75 Resp: 311767
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.2 54.6
 77 30.6 24.9 37.3



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

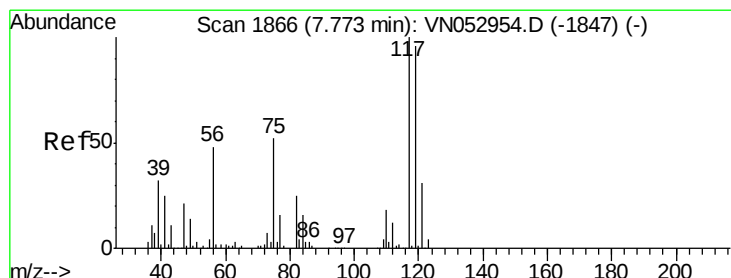
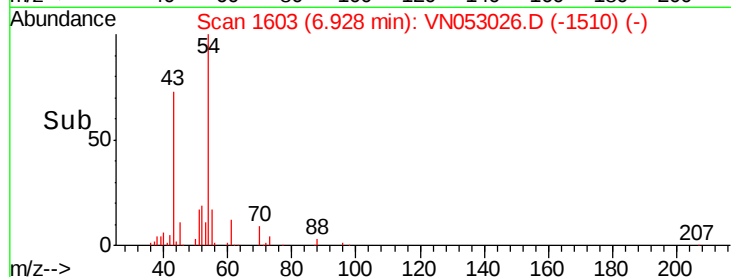
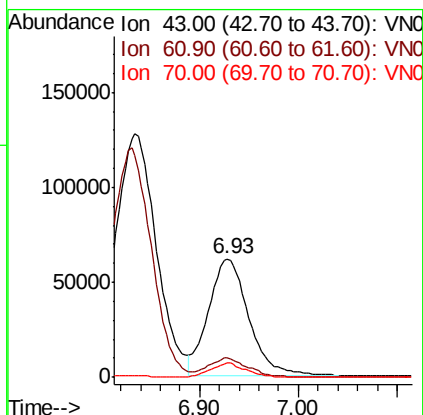
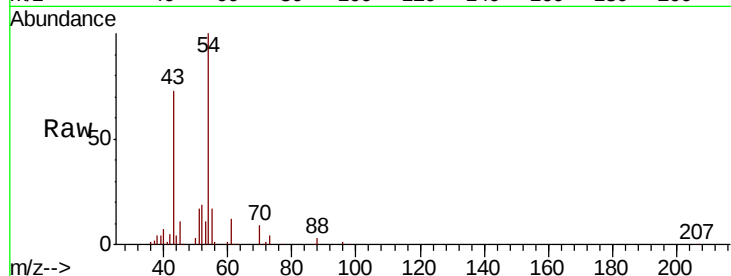




#37
Ethyl Acetate
Concen: 19.738 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

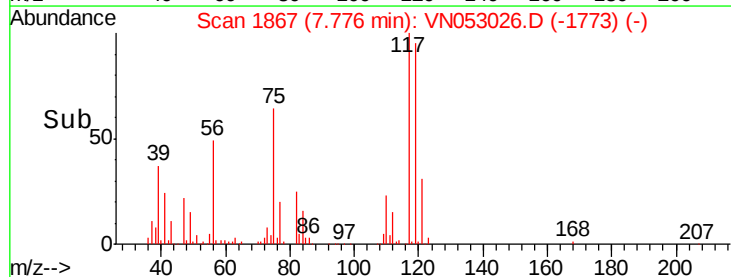
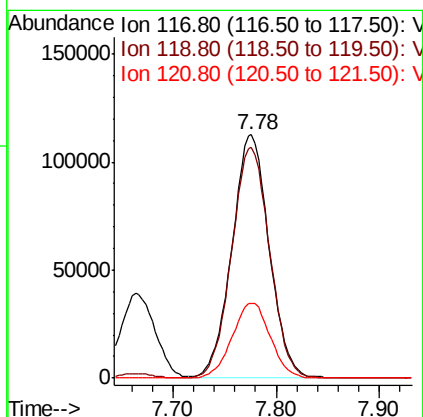
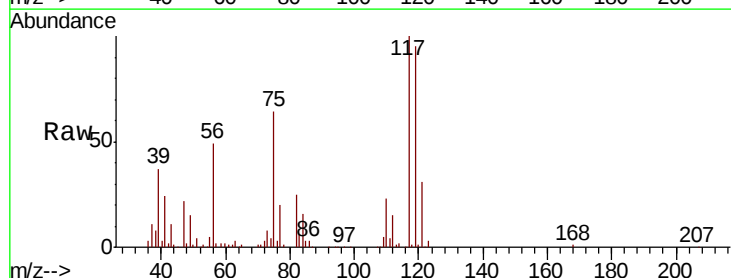
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

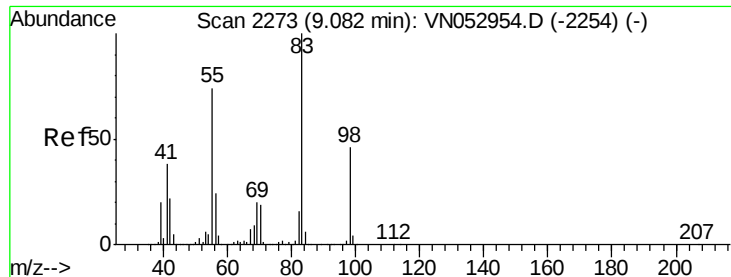
Tot Ion: 43 Resp: 175961
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.300 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 117 Resp: 282497
Ion Ratio Lower Upper
117 100
119 94.8 77.1 115.7
121 30.9 24.9 37.3

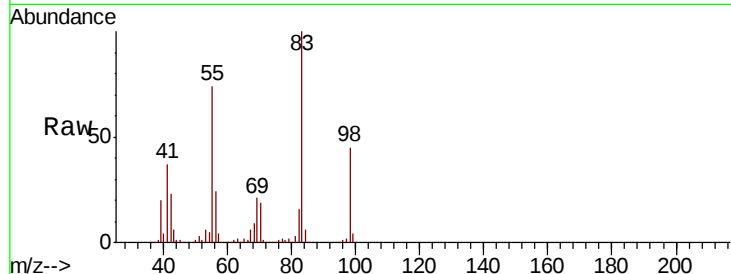




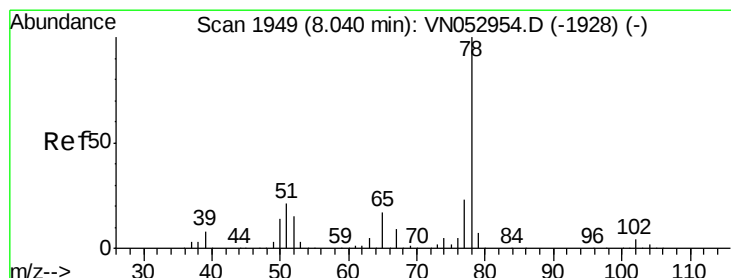
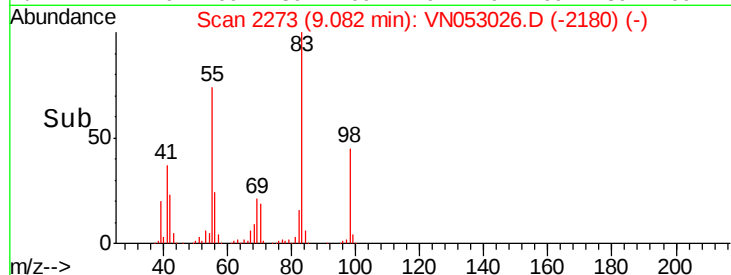
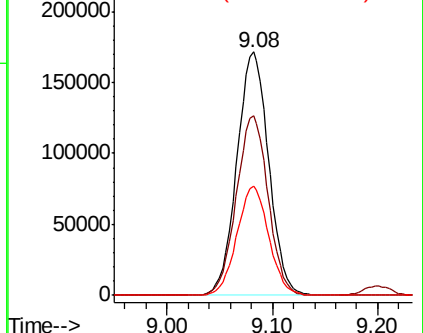
#39
Methvlcvclohexane
Concen: 18.498 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tot Ion: 83 Resp: 358863
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 45.1 37.0 55.4

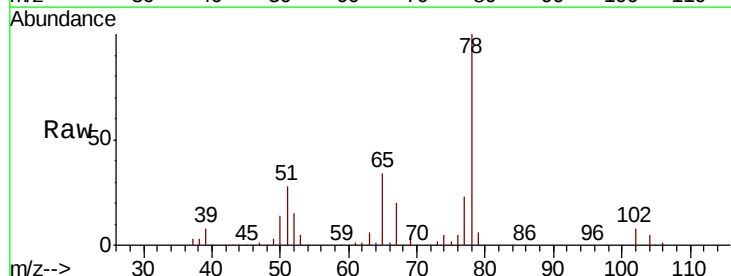


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

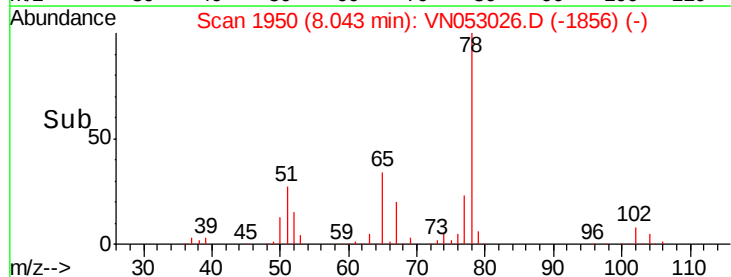
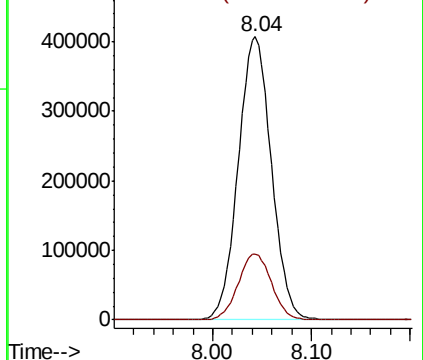


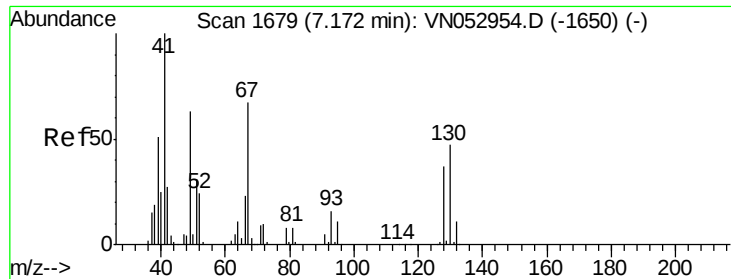
#40
Benzene
Concen: 19.930 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 78 Resp: 946687
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

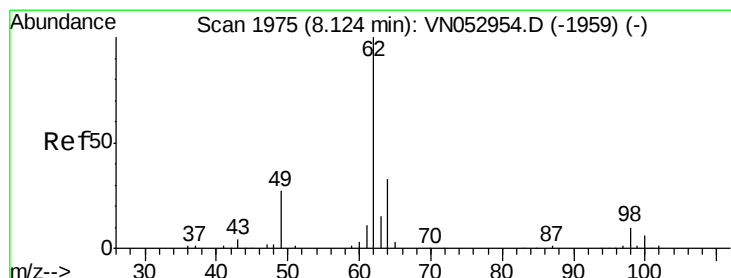
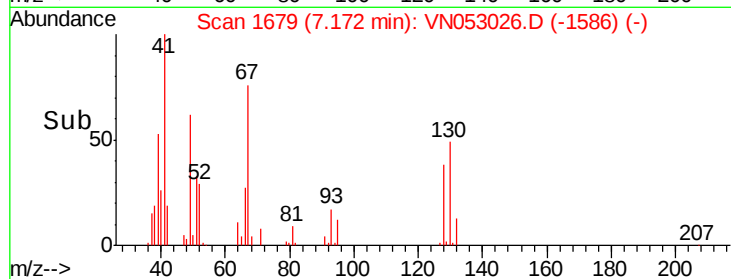
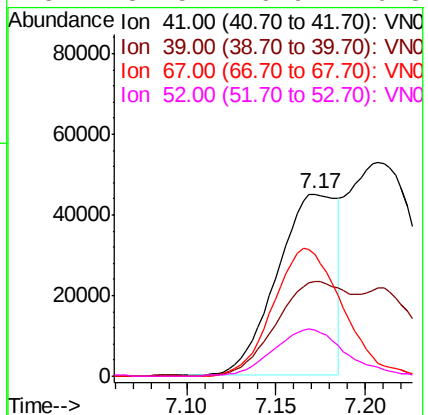
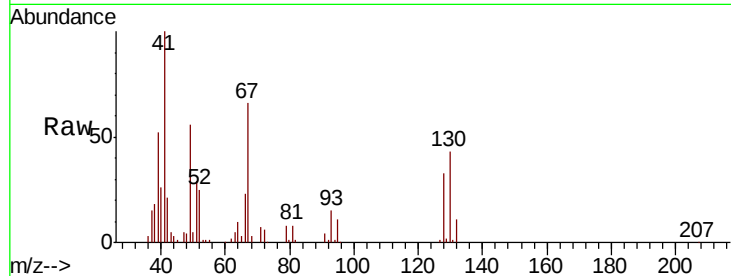




#41
Methacrylonitrile
Concen: 20.320 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

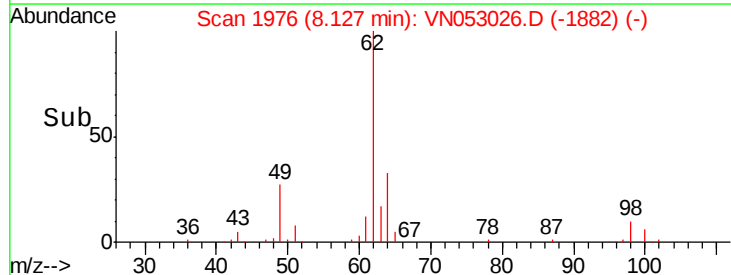
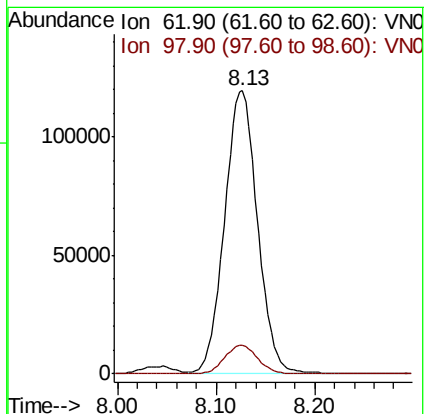
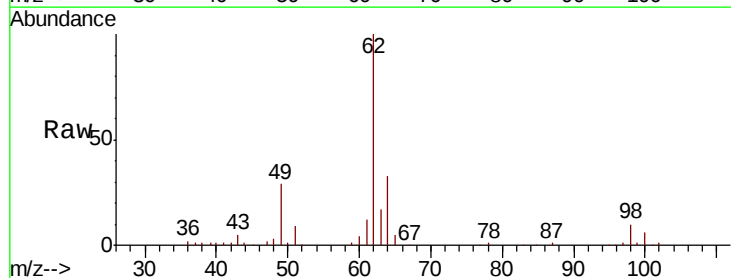
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

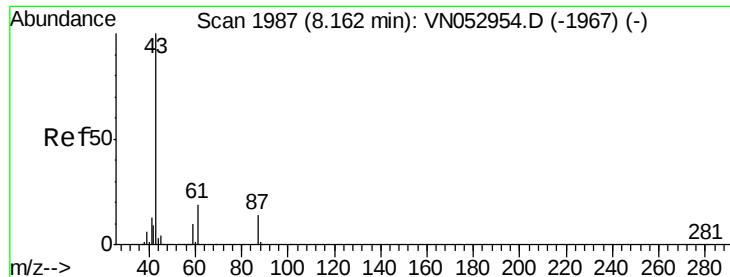
Tot Ion:	41	Resp:	104669
Ion	Ratio	Lower	Upper
41	100		
39	67.6	48.0	72.0
67	82.0	70.3	105.5
52	31.5	26.9	40.3



#42
1,2-Dichloroethane
Concen: 19.779 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:	62	Resp:	277544
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.209 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

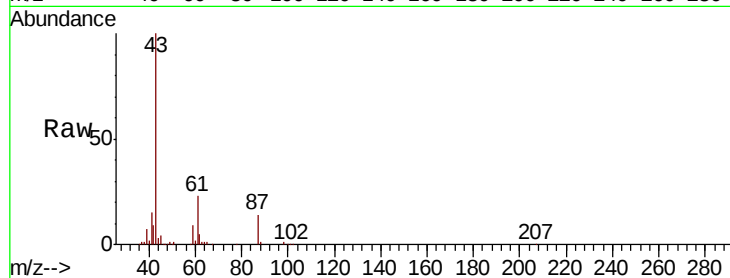
Tot Ion: 43 Resp: 342490

Ion Ratio Lower Upper

43 100

61 29.2 22.9 34.3

87 13.3 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

8.16

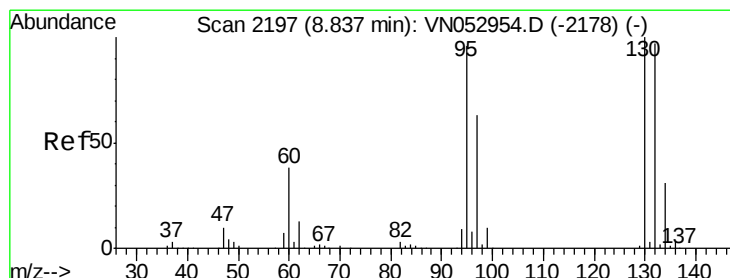
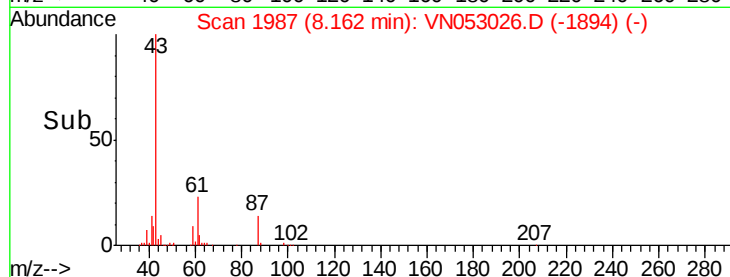
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 19.284 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053026.D

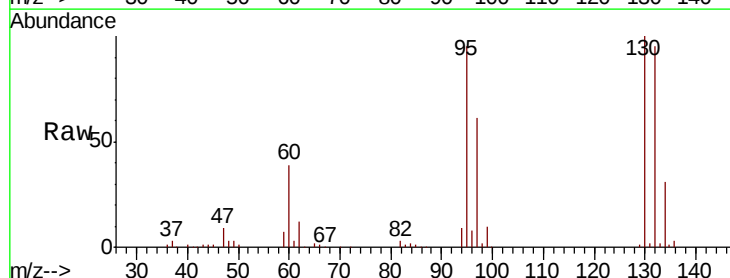
Acq: 19 Dec 2018 22:50

Tgt Ion: 130 Resp: 264945

Ion Ratio Lower Upper

130 100

95 94.7 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

8.83

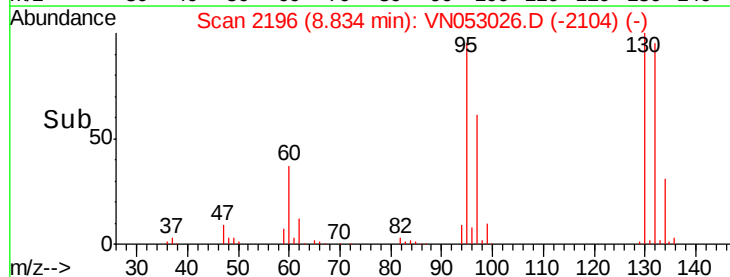
150000

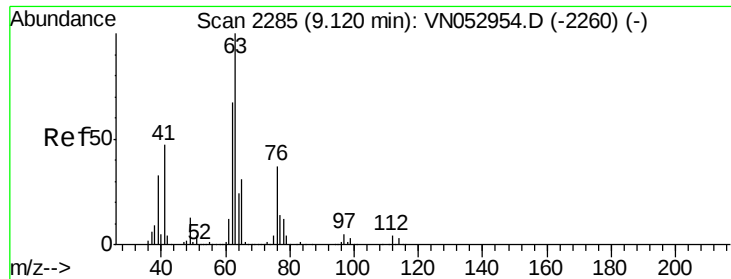
100000

50000

0

Time--> 8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 20.112 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

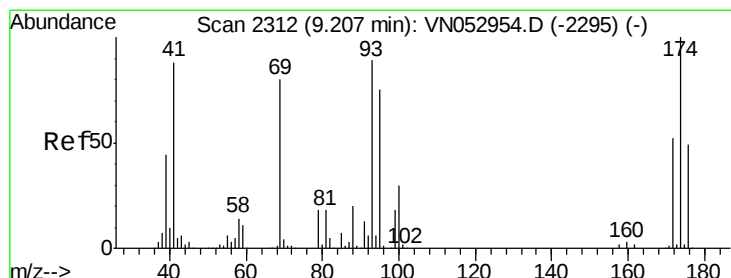
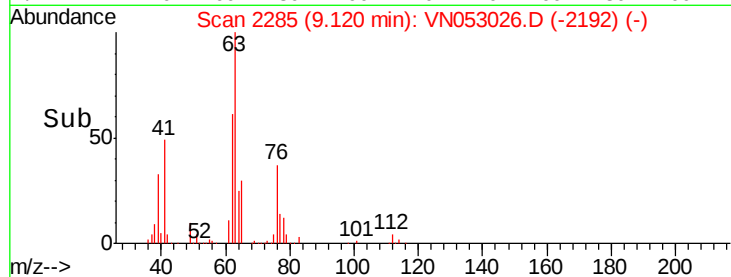
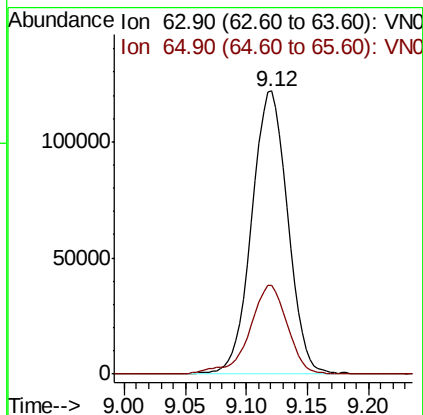
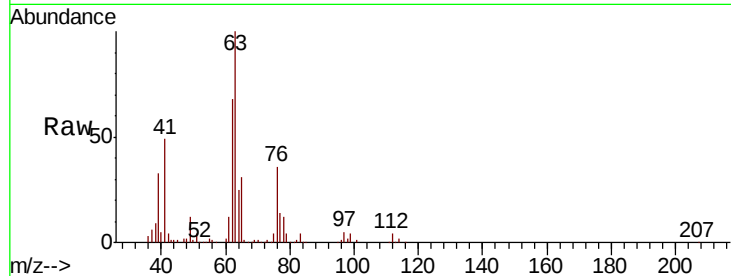
VN1219MBS02

Tot Ion: 63 Resp: 248839

Ion Ratio Lower Upper

63 100

65 31.3 24.6 37.0



#46

Dibromomethane

Concen: 19.523 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

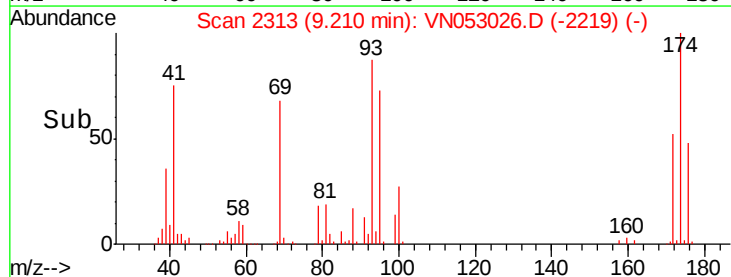
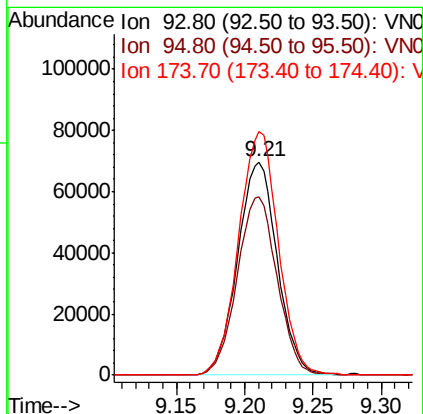
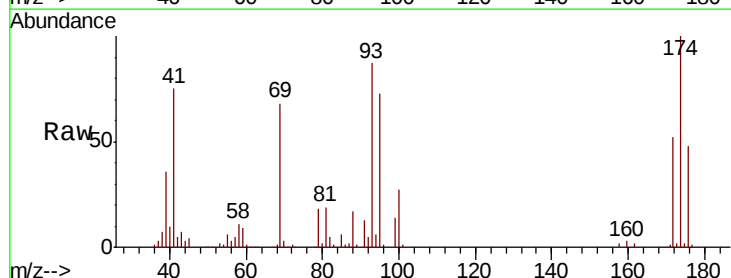
Tgt Ion: 93 Resp: 140712

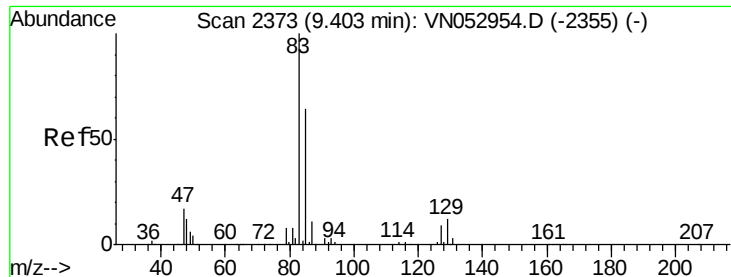
Ion Ratio Lower Upper

93 100

95 84.3 67.8 101.6

174 114.7 89.0 133.4

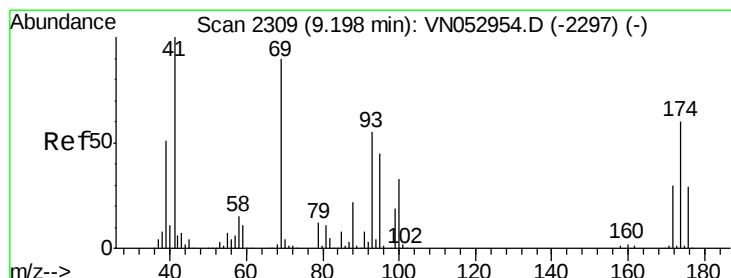
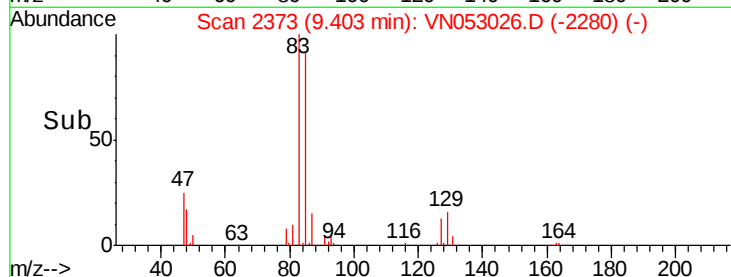
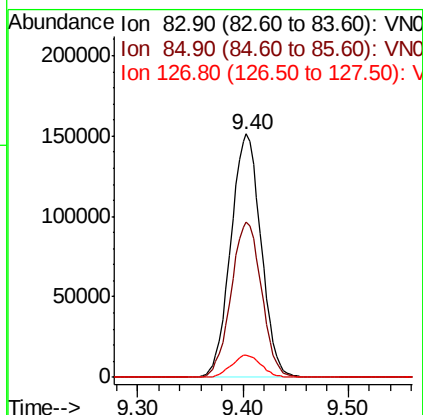
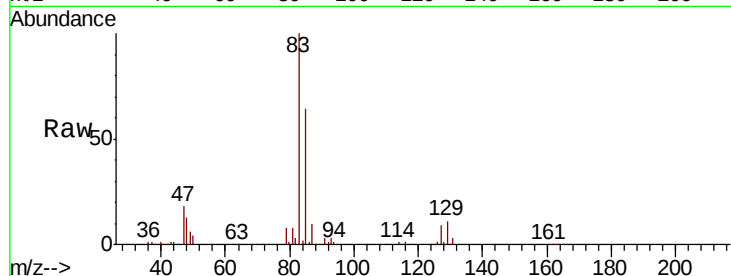




#47
Bromodichloromethane
Concen: 19.612 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

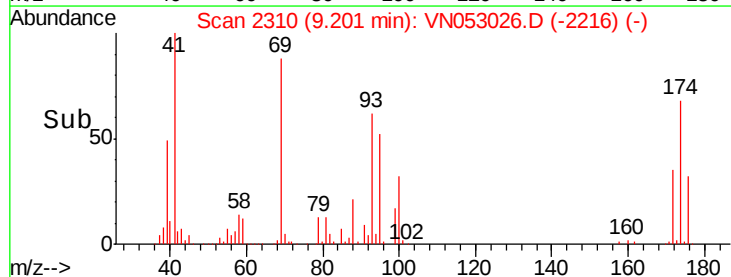
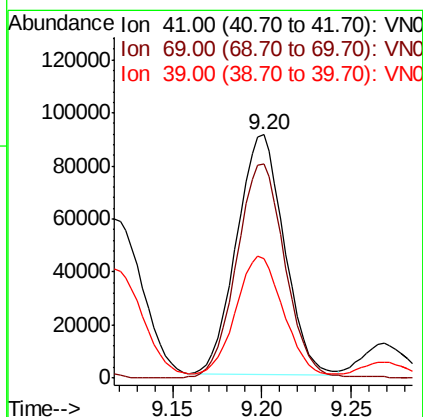
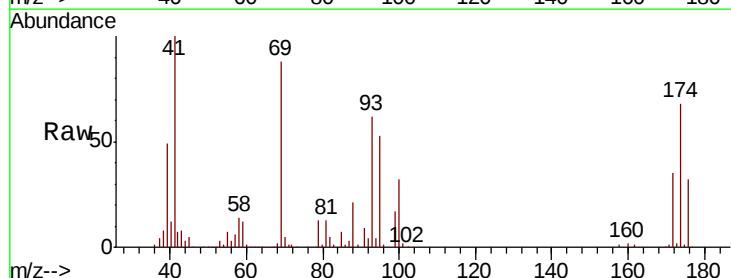
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

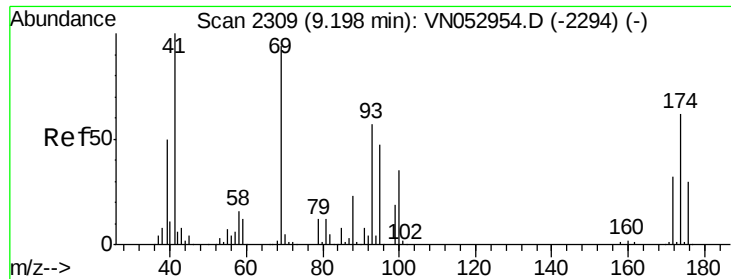
Tot Ion: 83 Resp: 300478
Ion Ratio Lower Upper
83 100
85 63.7 51.6 77.4
127 9.1 7.1 10.7



#48
Methyl methacrylate
Concen: 19.411 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 41 Resp: 167919
Ion Ratio Lower Upper
41 100
69 91.3 72.2 108.2
39 52.3 41.9 62.9

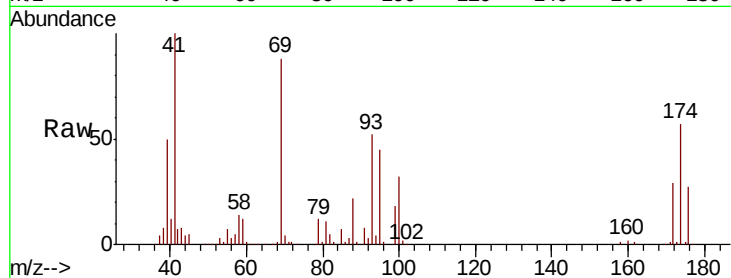




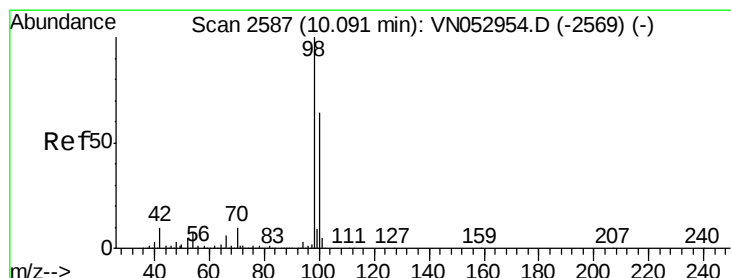
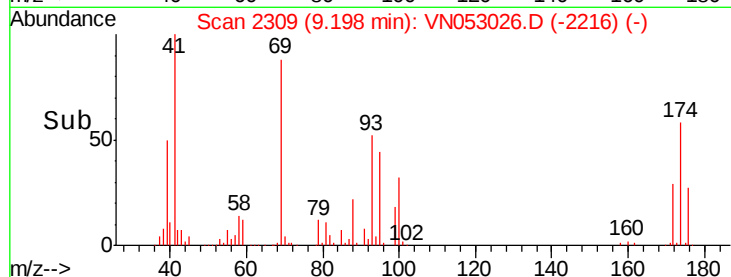
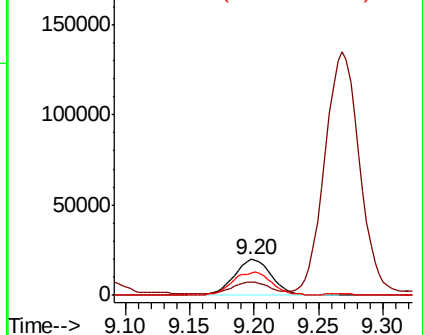
#49
 1,4-Dioxane
 Concen: 368.743 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

Tot Ion: 88 Resp: 40351
 Ion Ratio Lower Upper
 88 100
 43 30.8 26.6 40.0
 58 68.5 58.4 87.6

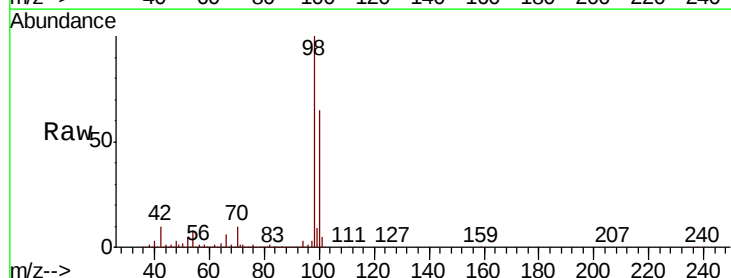


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

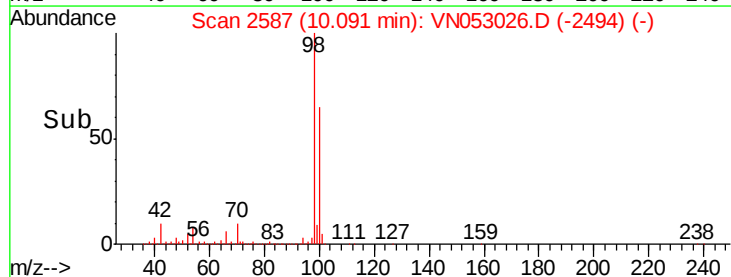
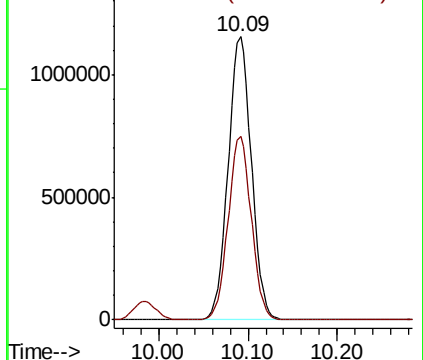


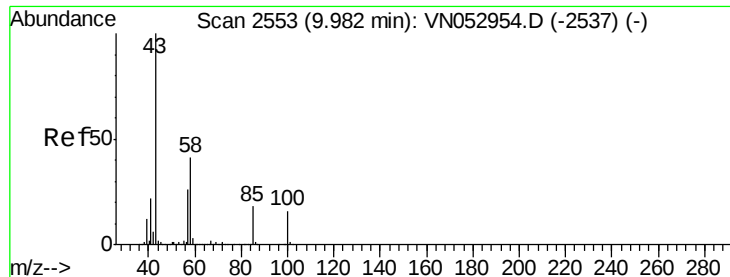
#50
 Toluene-d8
 Concen: 368.743 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion: 98 Resp: 2085579
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 99.910 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampled :

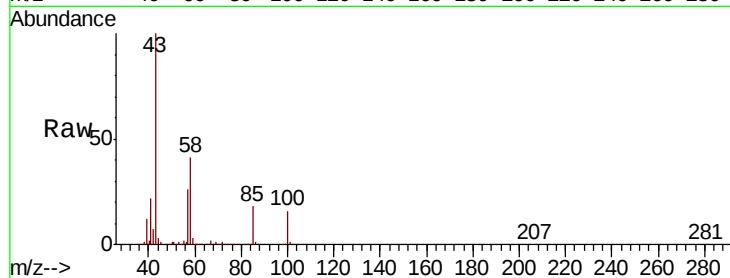
VN1219MBS02

Tot Ion: 43 Resp: 862562

Ion Ratio Lower Upper

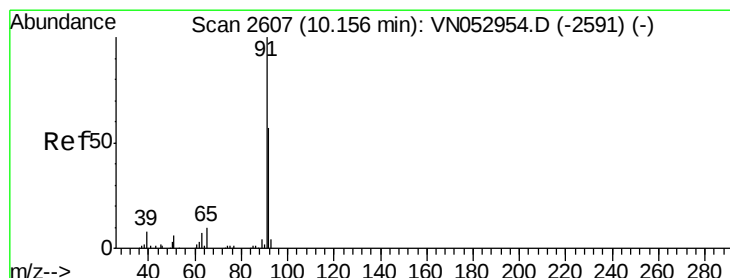
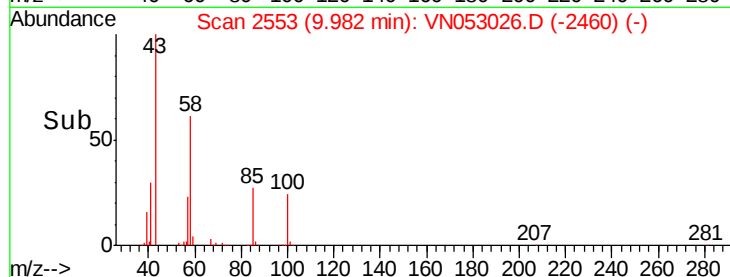
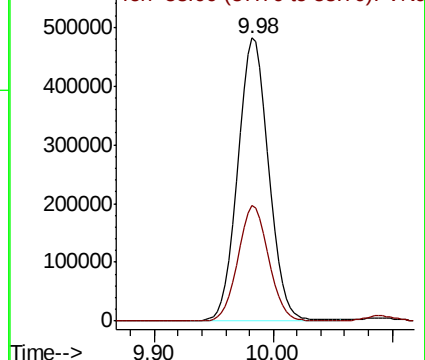
43 100

58 40.8 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.743 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053026.D

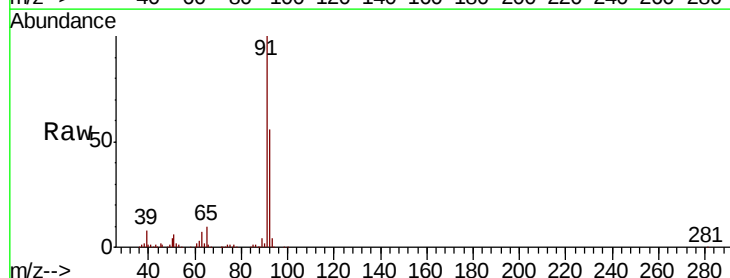
Acq: 19 Dec 2018 22:50

Tgt Ion: 92 Resp: 581285

Ion Ratio Lower Upper

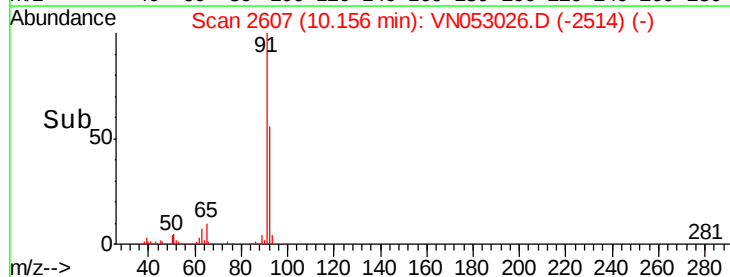
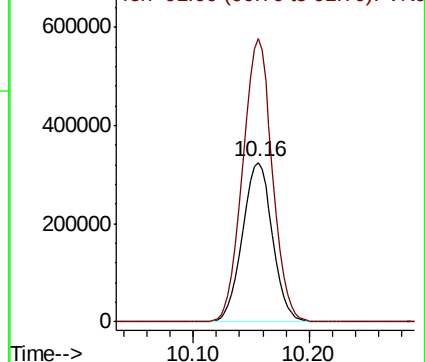
92 100

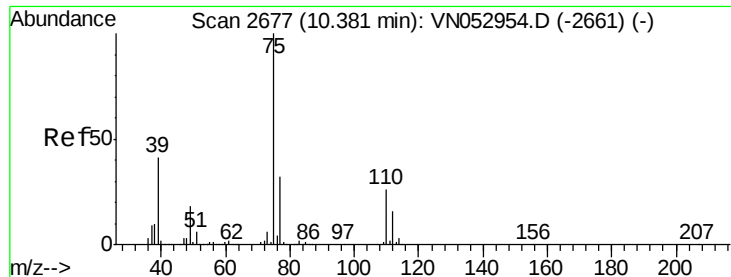
91 176.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.532 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

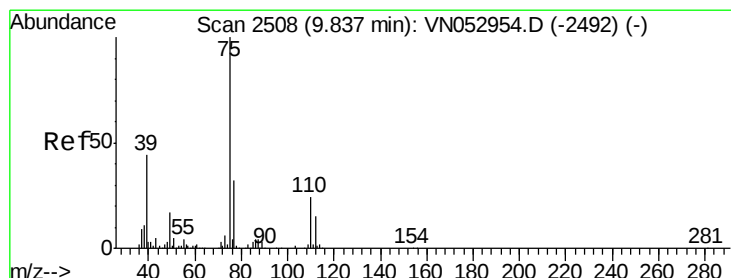
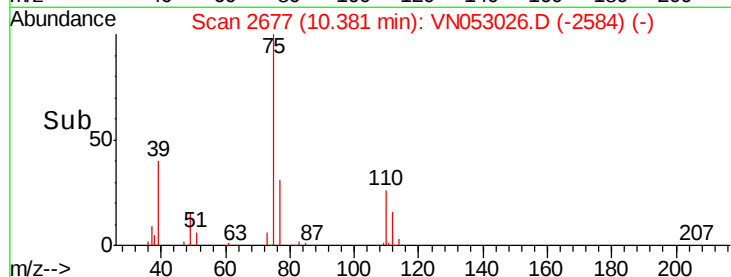
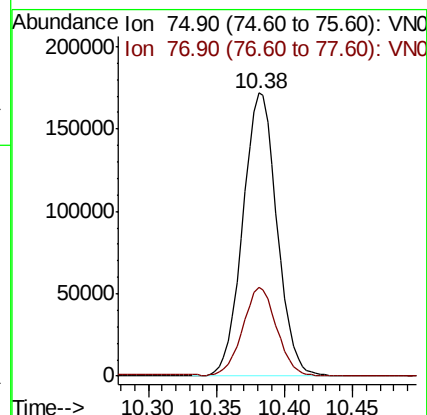
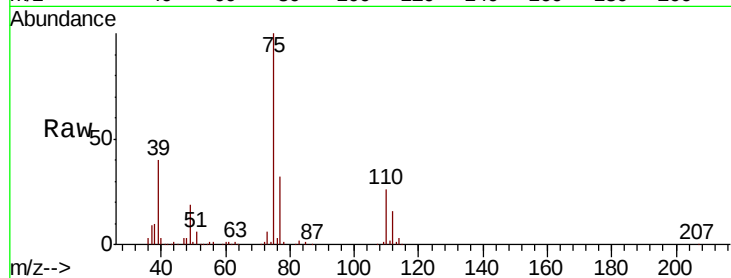
VN1219MBS02

Tot Ion: 75 Resp: 298568

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.016 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

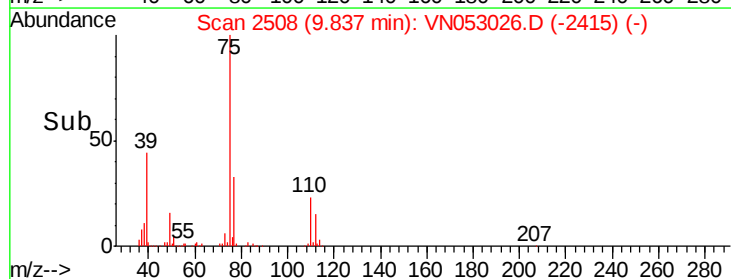
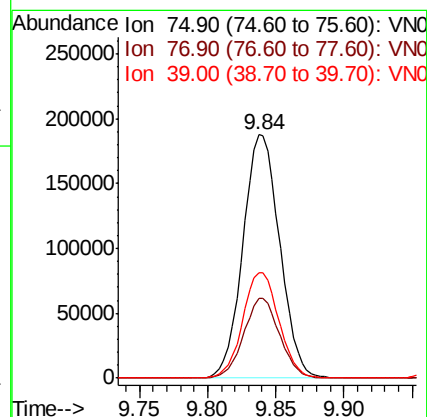
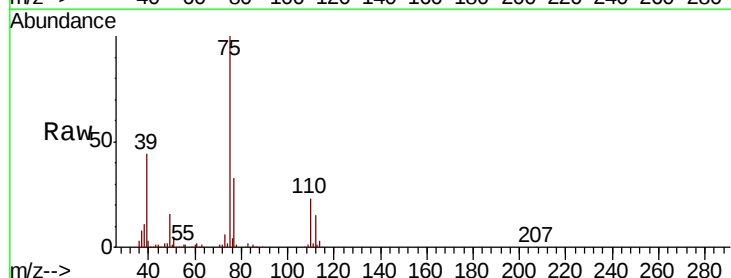
Tgt Ion: 75 Resp: 351645

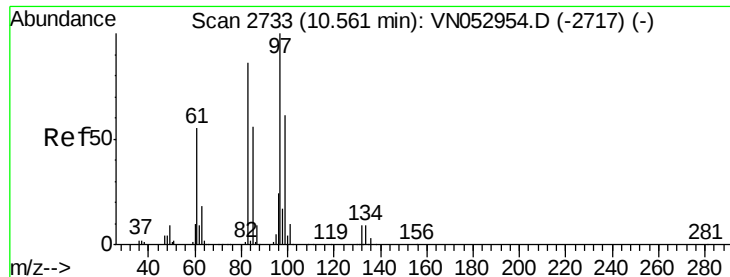
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

39 43.4 34.8 52.2

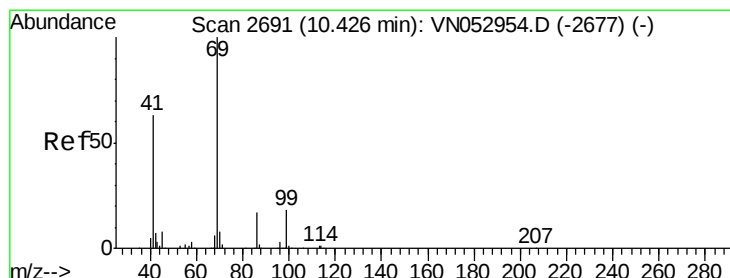
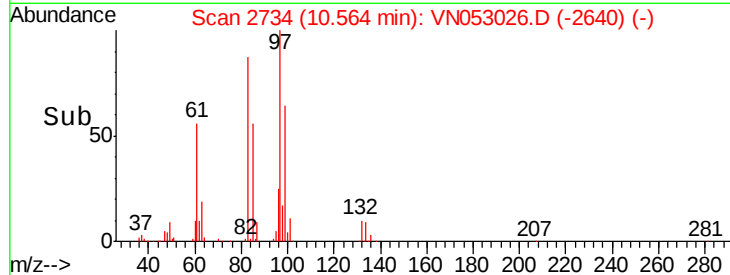
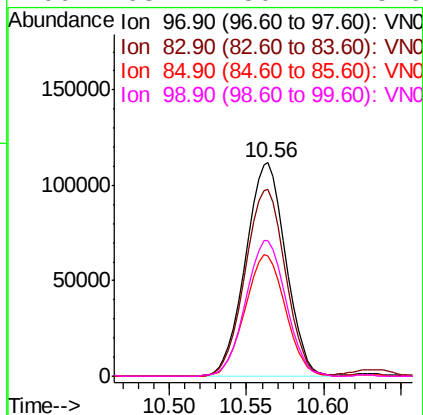
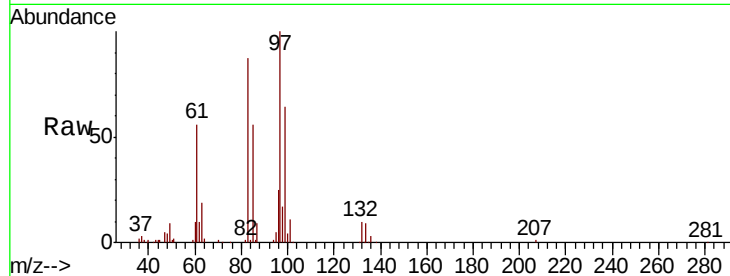




#55
 1,1,2-Trichloroethane
 Concen: 19.769 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

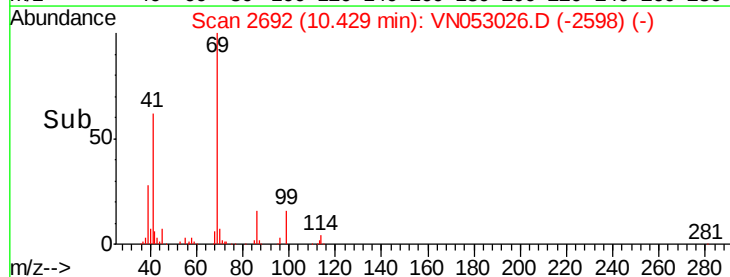
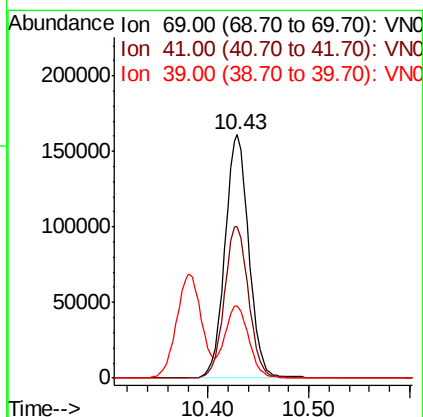
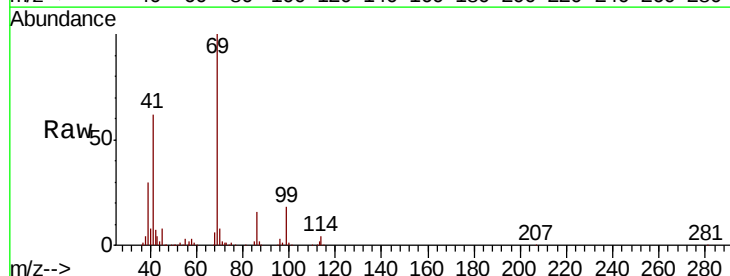
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

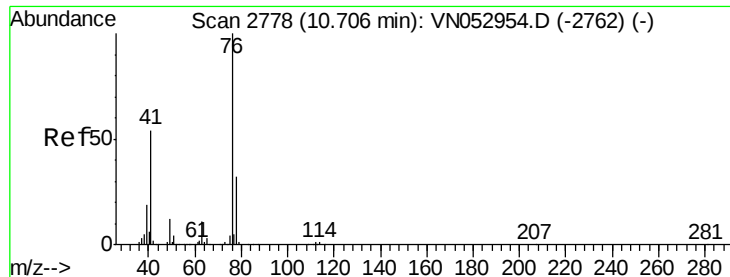
Tot Ion:	97	Resp:	203056
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	56.5	45.4	68.2
99	63.7	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion:	69	Resp:	265978
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.7	77.5
39	29.8	24.6	37.0





#57

1,3-Dichloropropane

Concen: 19.960 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

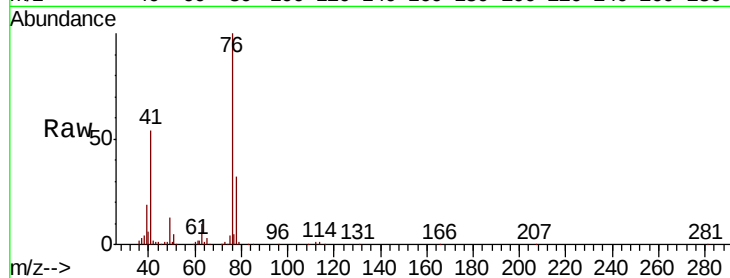
VN1219MBS02

Tot Ion: 76 Resp: 351573

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

200000

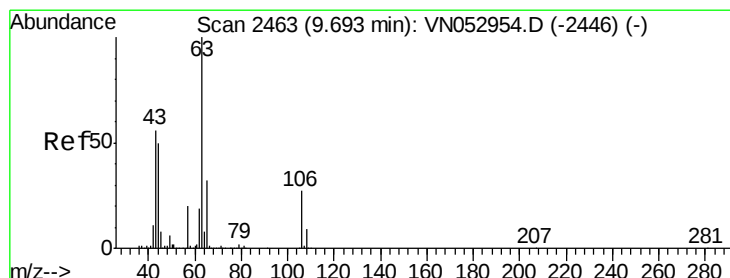
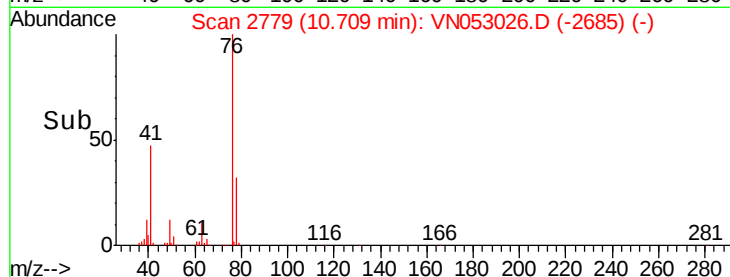
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.733 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053026.D

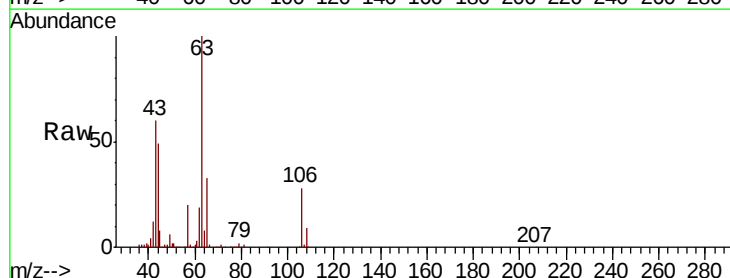
Acq: 19 Dec 2018 22:50

Tgt Ion: 63 Resp: 751847

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

500000

400000

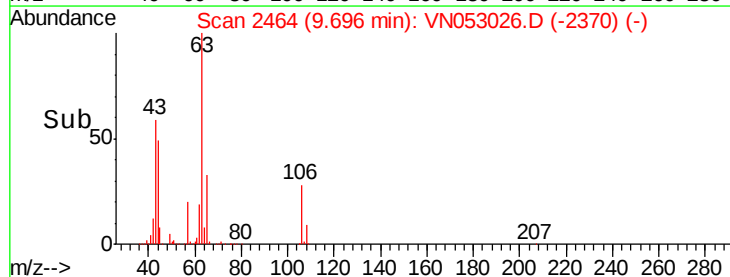
300000

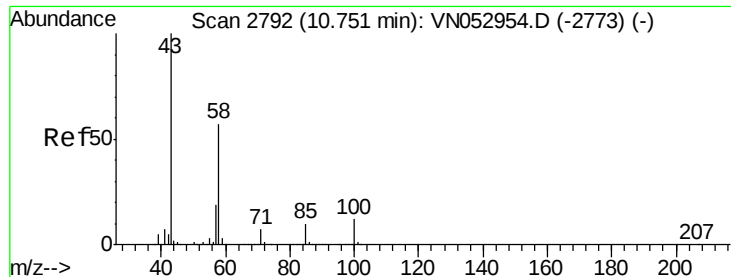
200000

100000

0

Time--> 9.60 9.70 9.80

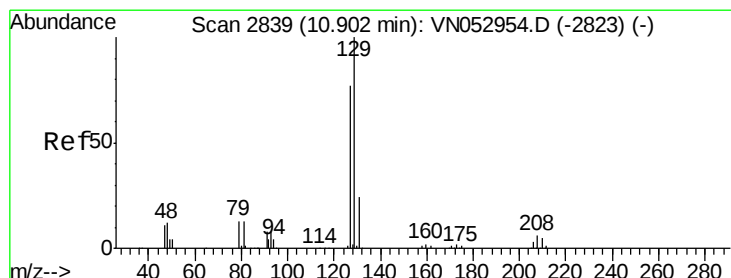
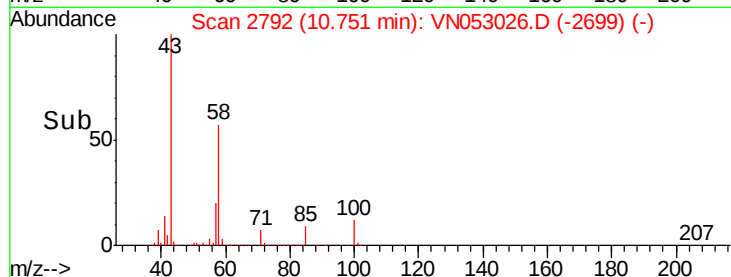
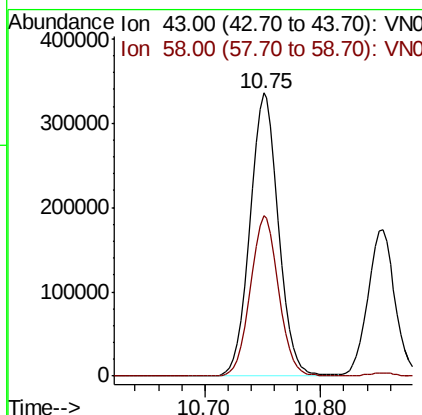
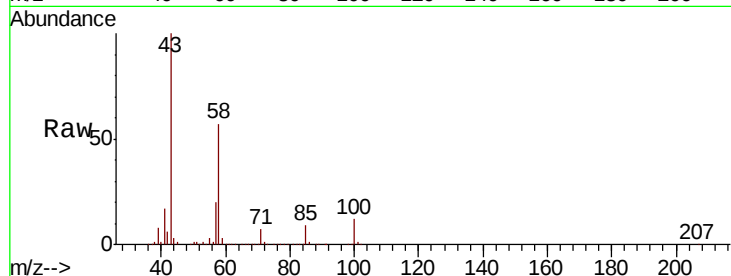




#59
2-Hexanone
Concen: 98.356 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

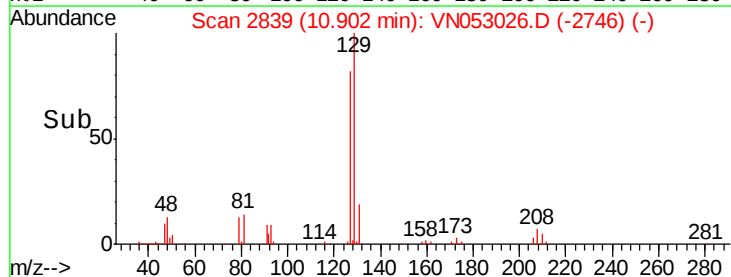
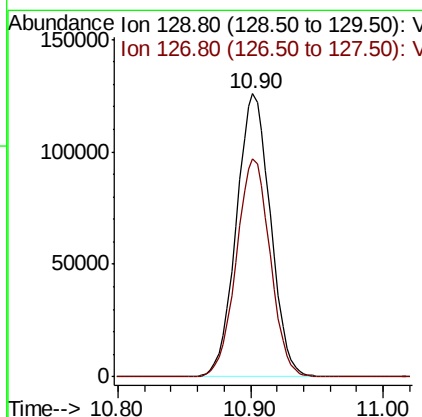
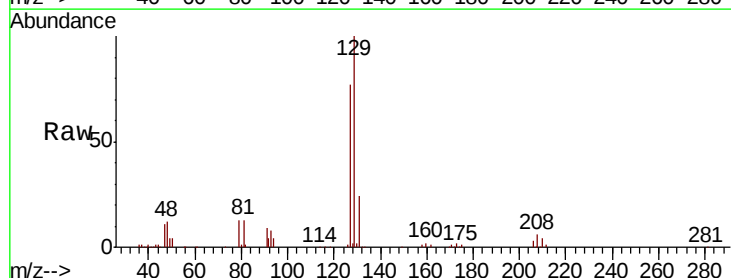
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

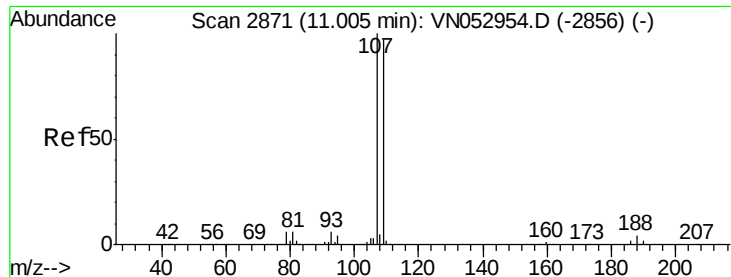
Tot Ion: 43 Resp: 574518
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 19.077 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 129 Resp: 224301
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0

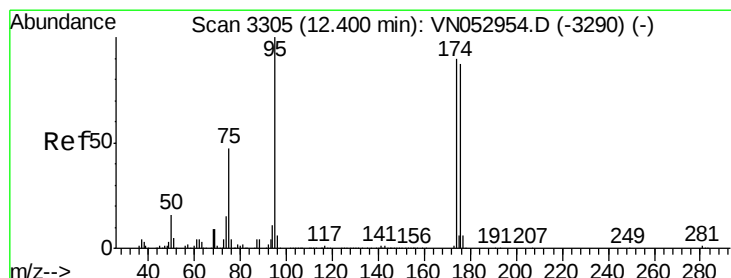
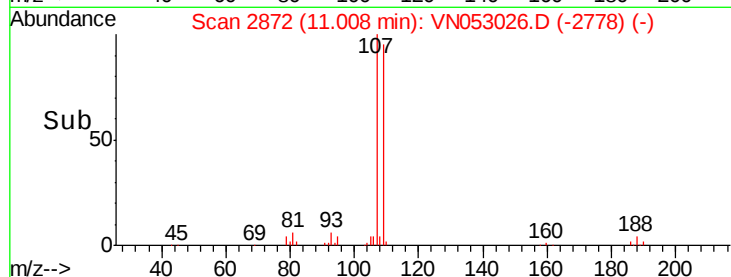
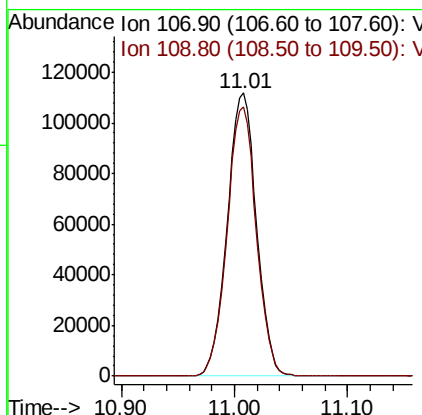
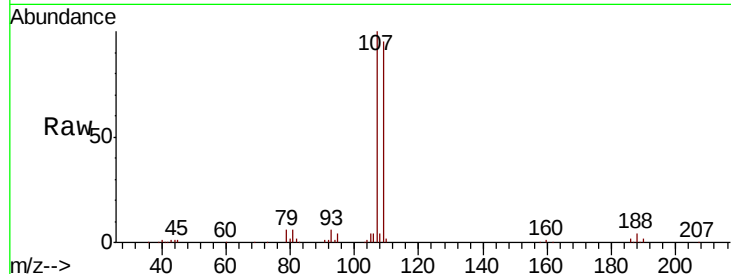




#61
1,2-Dibromoethane
Concen: 19.278 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

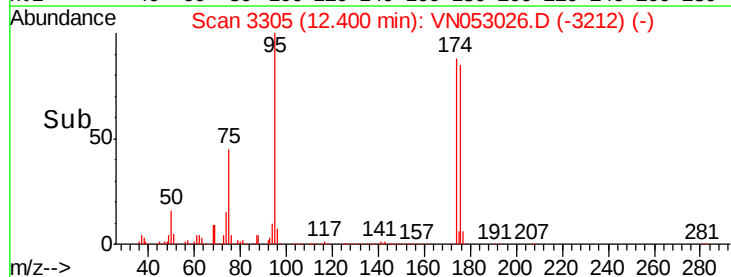
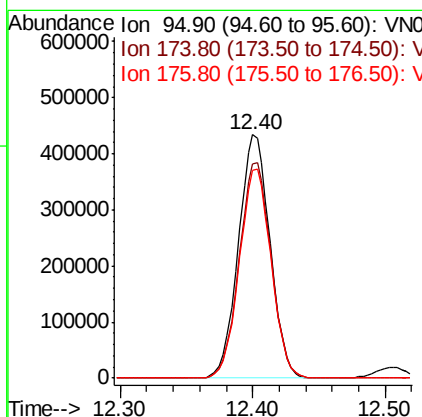
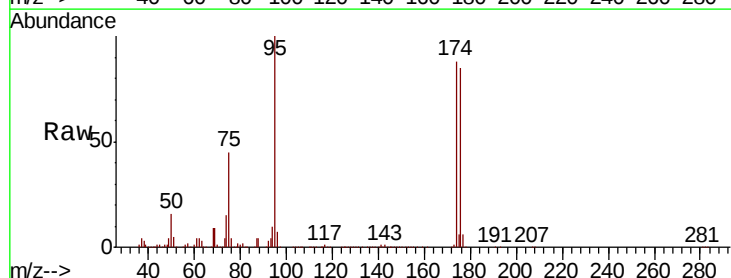
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

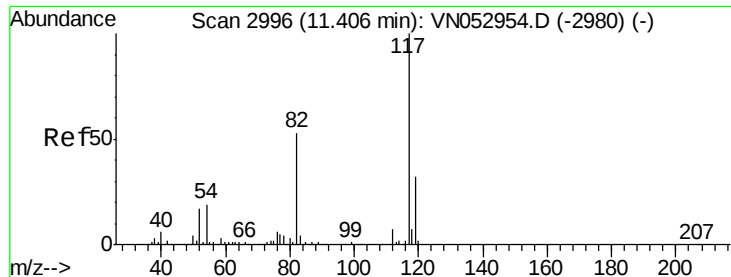
Tot Ion: 107 Resp: 201099
Ion Ratio Lower Upper
107 100
109 95.3 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 19.278 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 95 Resp: 714272
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 86.6 0.0 173.8

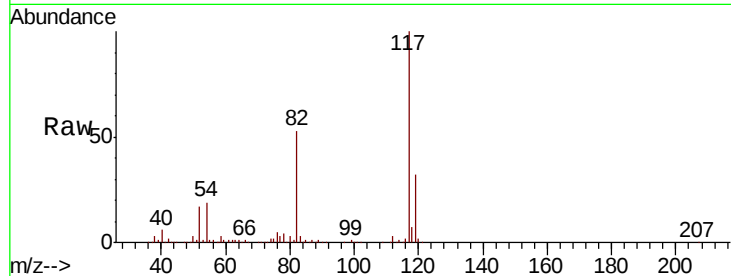




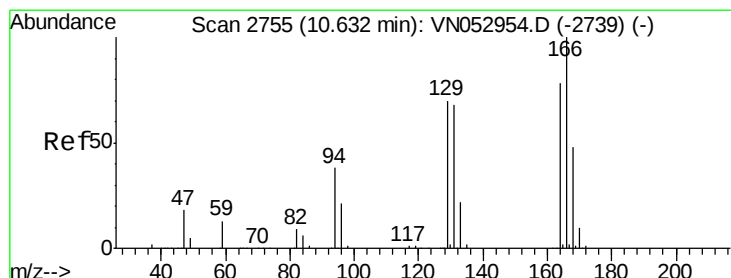
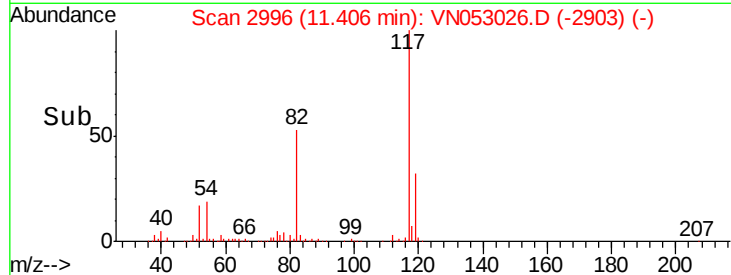
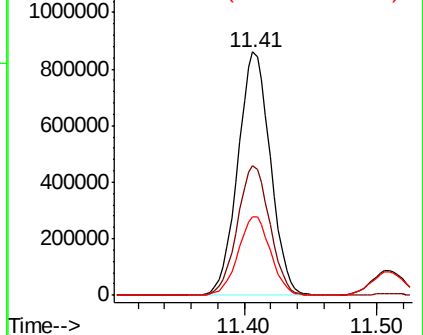
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tot Ion:117 Resp: 1467721
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.5 25.5 38.3

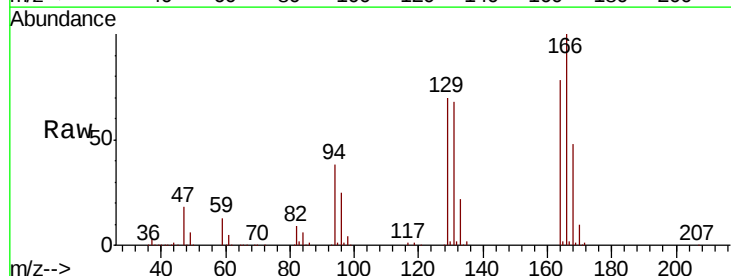


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

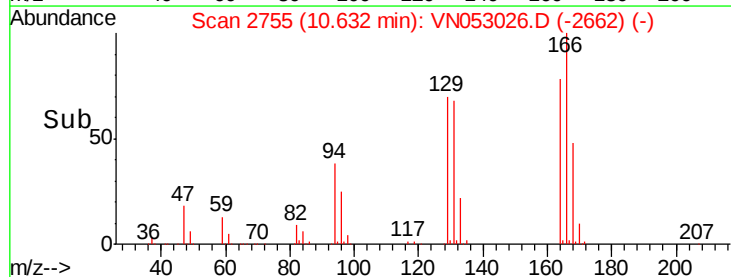
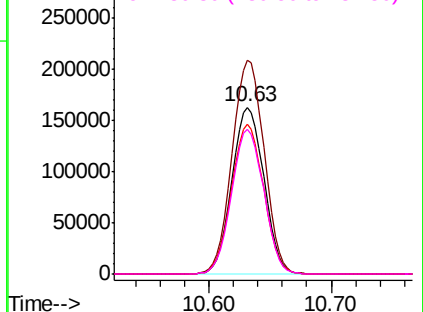


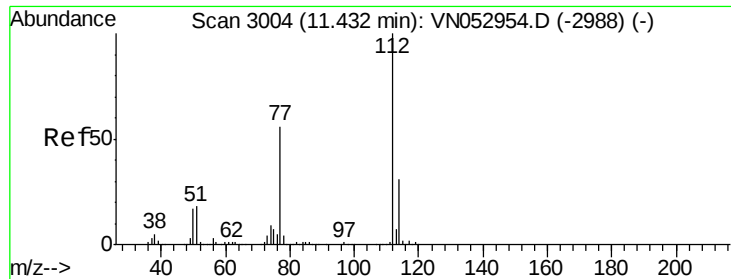
#64
Tetrachloroethene
Concen: 18.601 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:164 Resp: 295730
Ion Ratio Lower Upper
164 100
166 128.3 102.9 154.3
129 89.9 73.7 110.5
131 87.2 70.7 106.1



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





#65

Chlorobenzene

Concen: 19.830 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

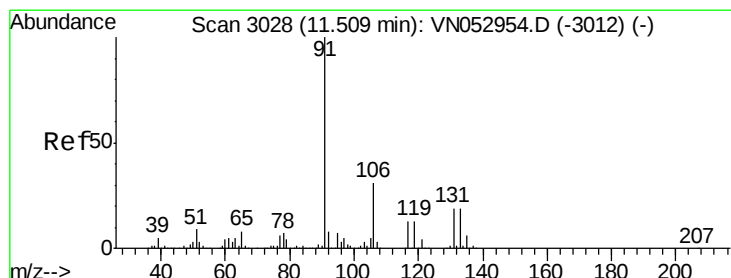
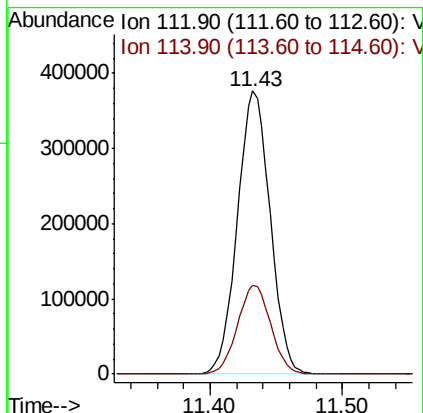
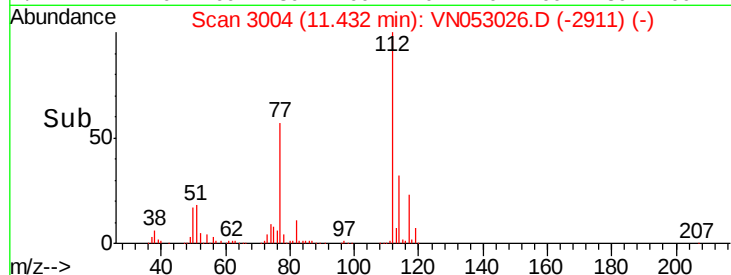
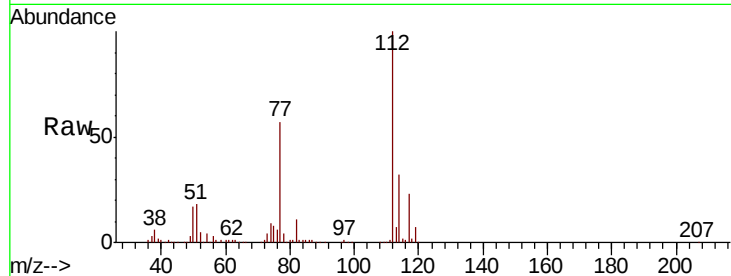
VN1219MBS02

Tot Ion:112 Resp: 645185

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 20.055 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

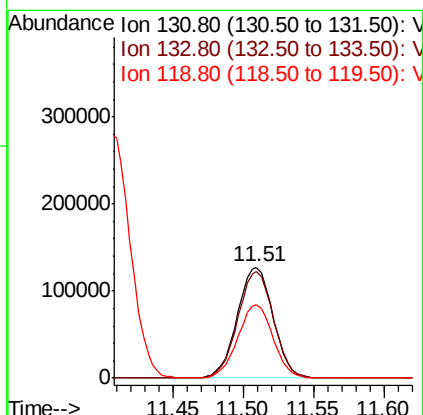
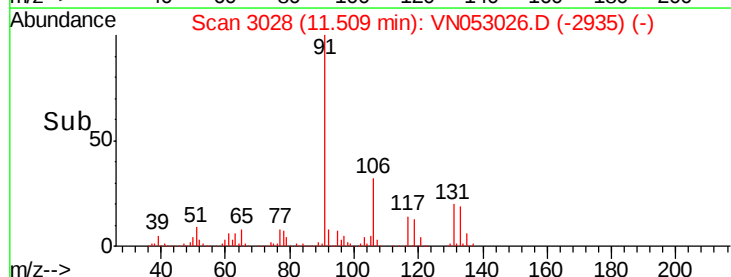
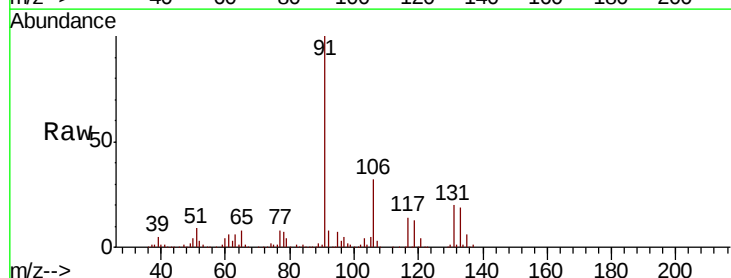
Tgt Ion:131 Resp: 226904

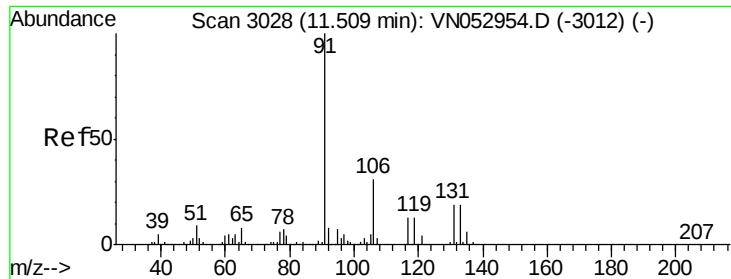
Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.9

119 65.3 33.3 99.8

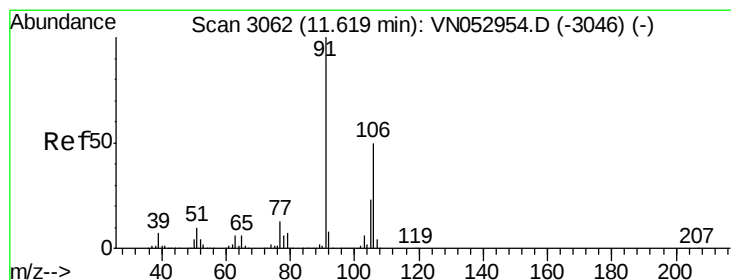
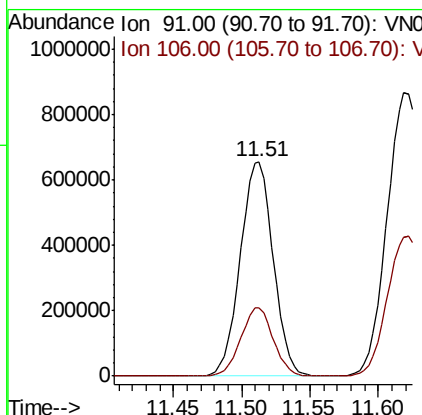
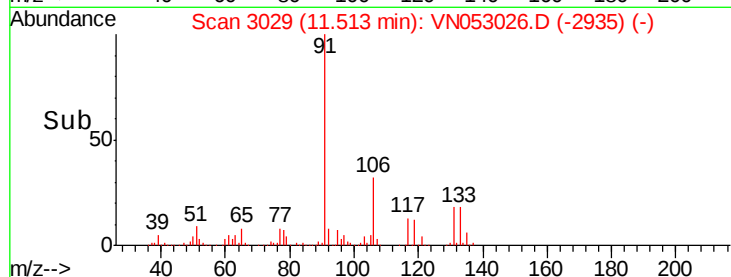
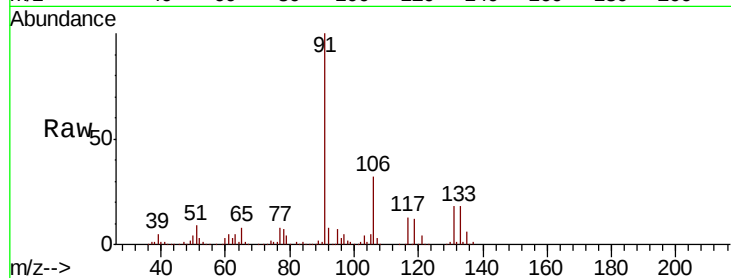




#67
Ethyl Benzene
Concen: 19.643 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

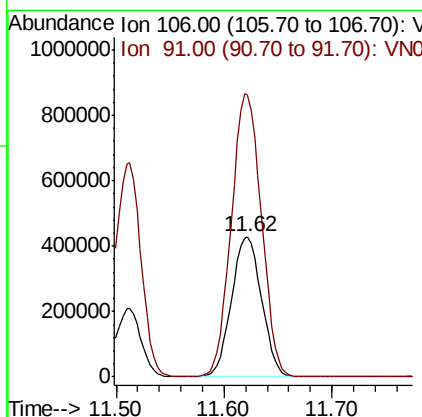
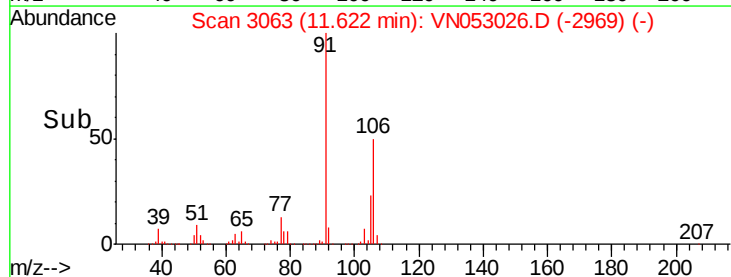
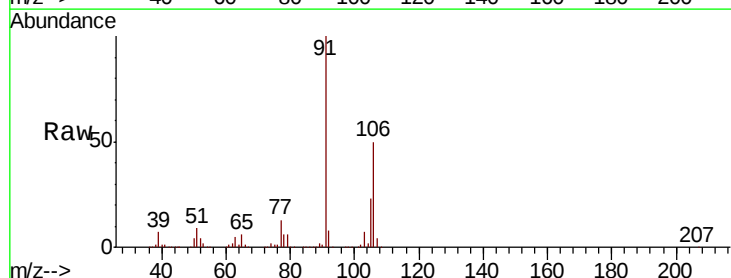
Instrument :
MSVOA_N
ClientSampled :
VN1219MBS02

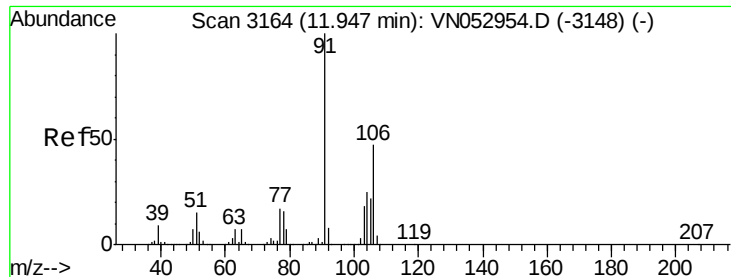
Tot Ion: 91 Resp: 1099089
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#68
m/p-Xylenes
Concen: 39.153 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion: 106 Resp: 832796
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4

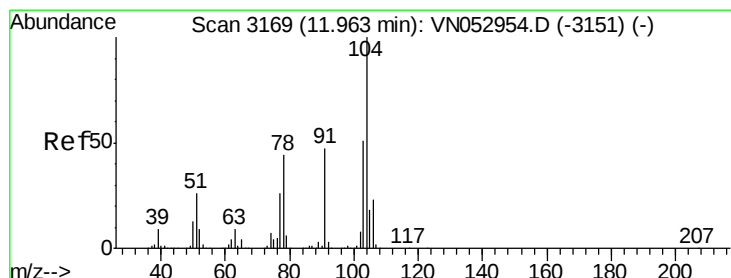
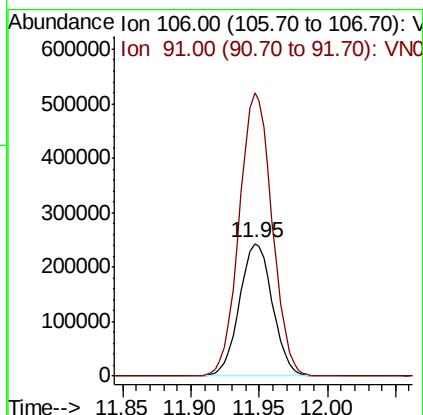
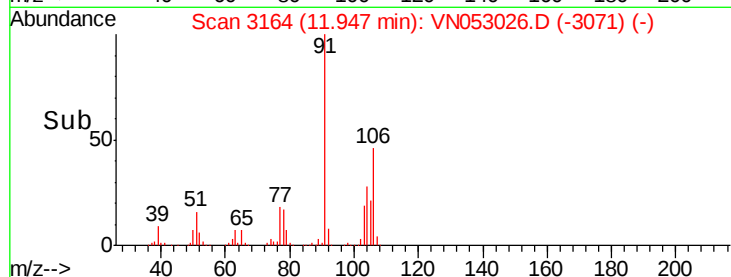
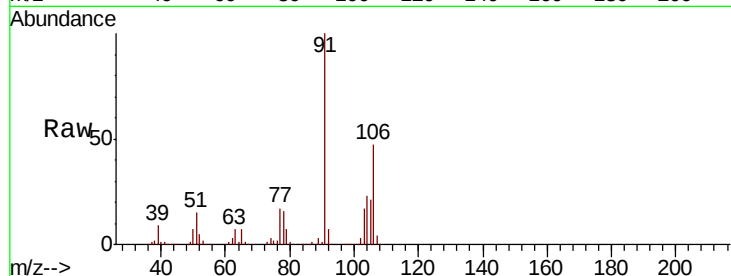




#69
o-Xylene
Concen: 20.059 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

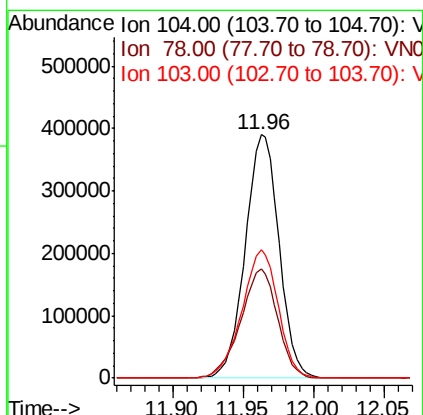
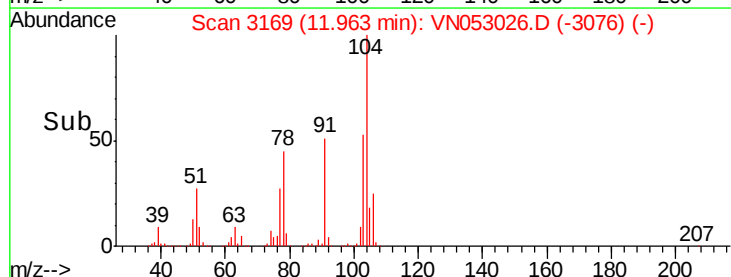
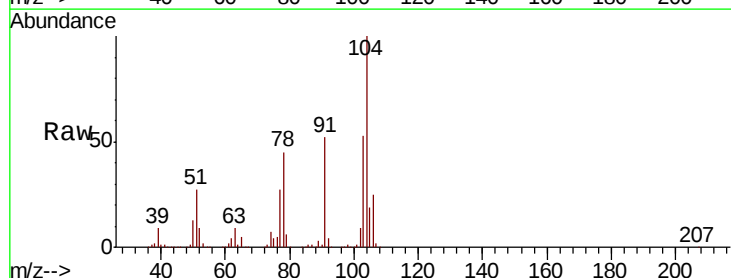
Instrument :
MSVOA_N
ClientSampled :
VN1219MBS02

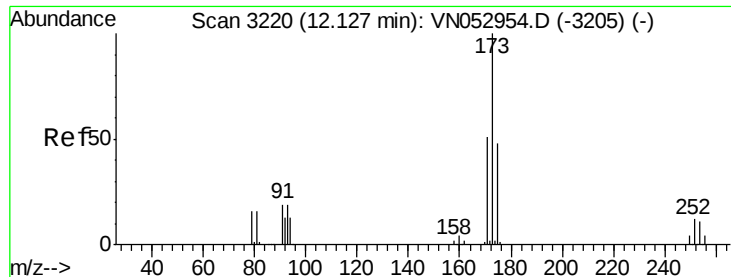
Tot Ion:106 Resp: 409412
Ion Ratio Lower Upper
106 100
91 211.9 106.6 319.8



#70
Styrene
Concen: 19.700 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:104 Resp: 655661
Ion Ratio Lower Upper
104 100
78 48.7 38.9 58.3
103 56.7 44.3 66.5





#71

Bromoform

Concen: 17.950 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

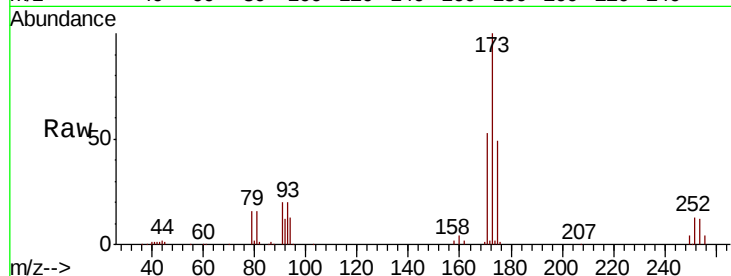
Tot Ion:173 Resp: 146716

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.9

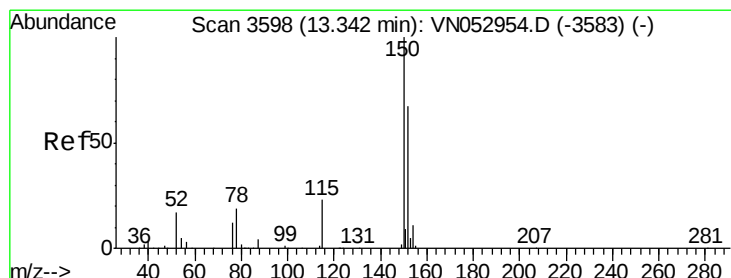
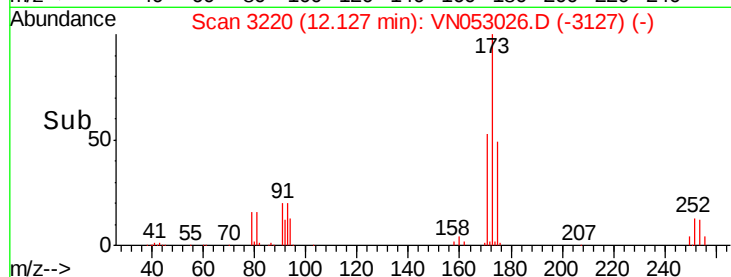
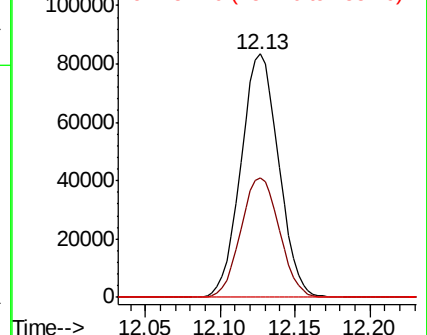
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

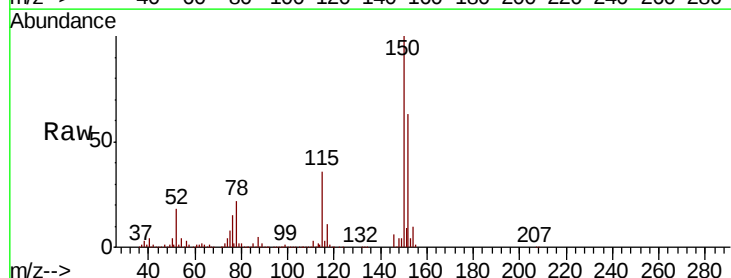
Tgt Ion:152 Resp: 664715

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

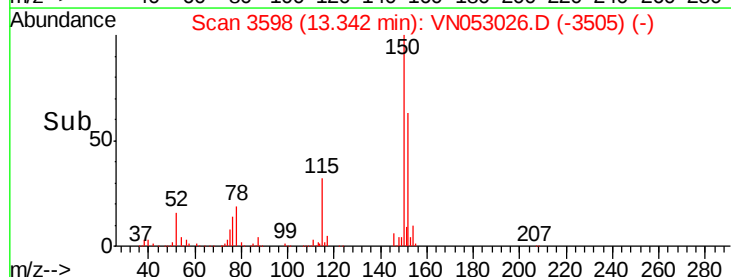
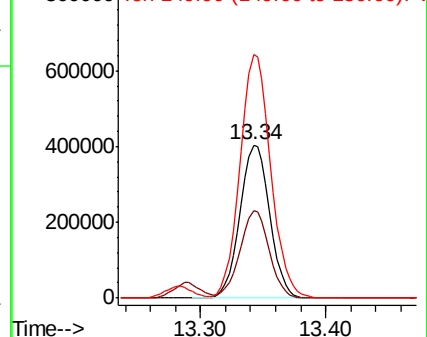
150 164.2 0.0 347.8

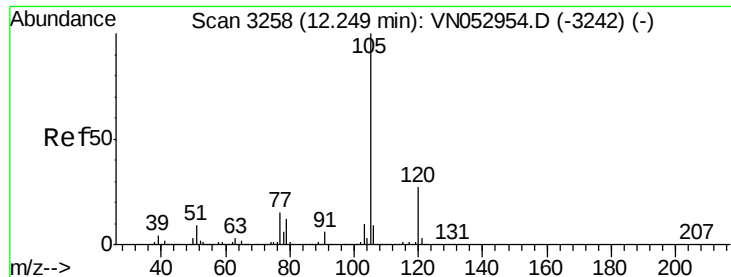


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.596 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

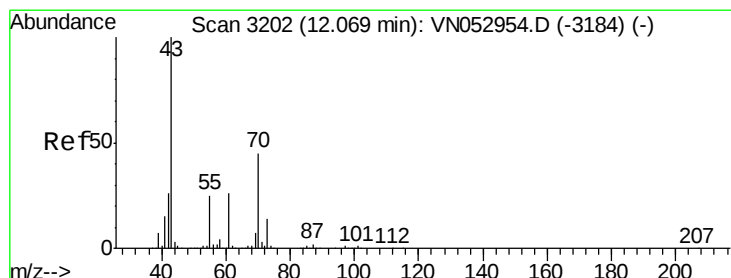
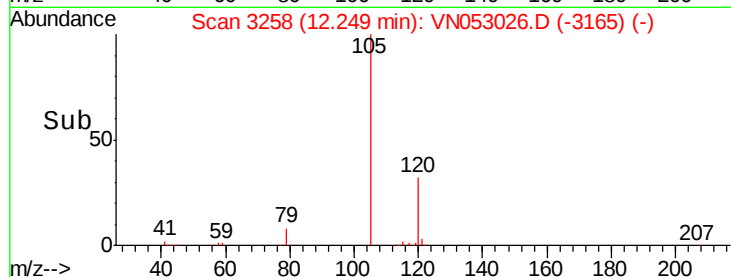
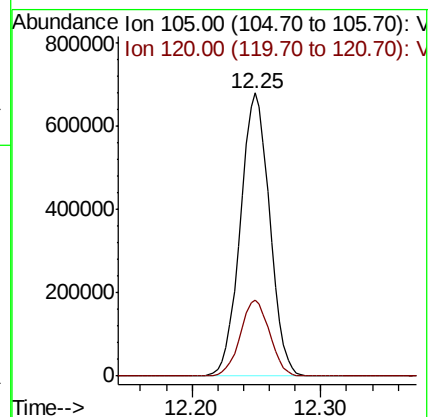
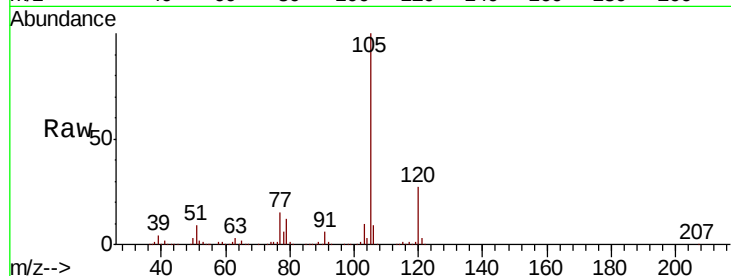
VN1219MBS02

Tot Ion:105 Resp: 1071185

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 20.450 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Tgt Ion: 43 Resp: 295282

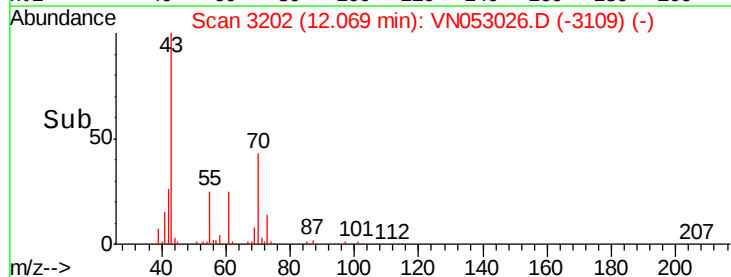
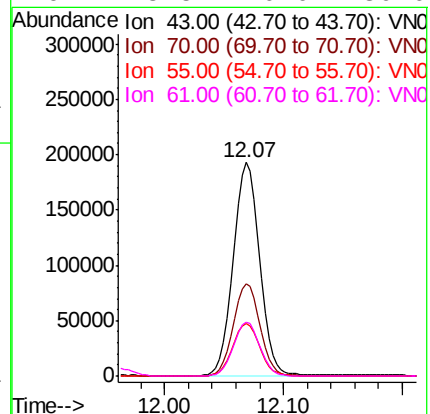
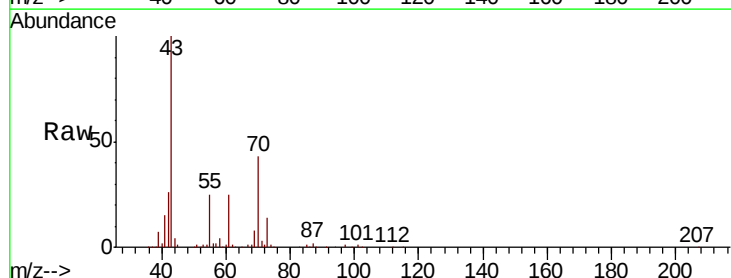
Ion Ratio Lower Upper

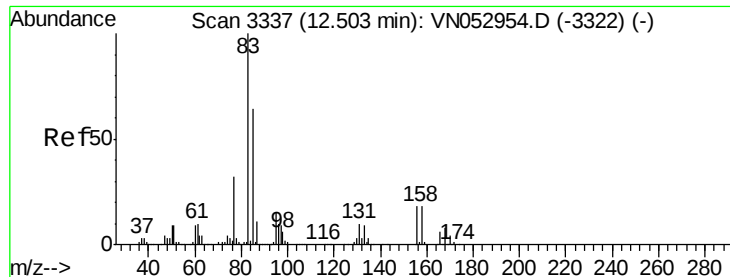
43 100

70 43.8 34.2 51.4

55 25.5 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.876 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

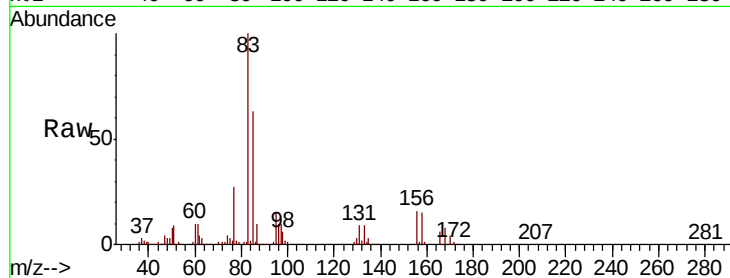
Tot Ion: 83 Resp: 223203

Ion Ratio Lower Upper

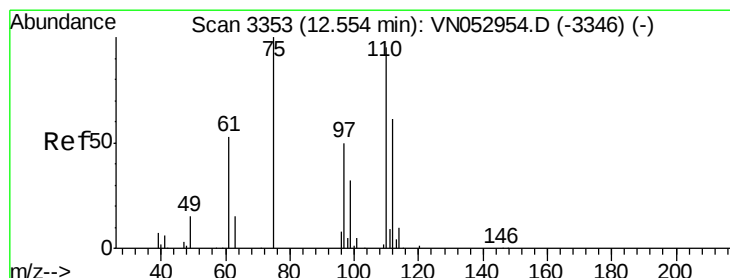
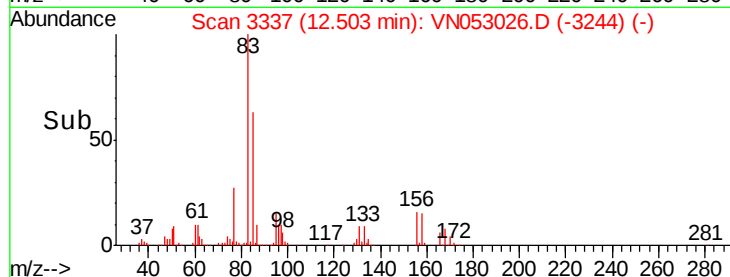
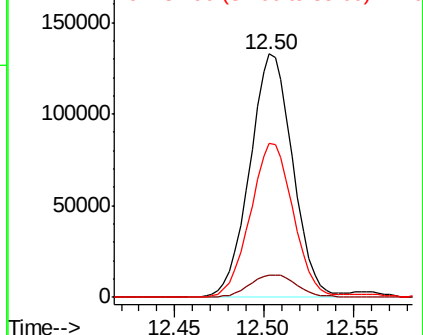
83 100

131 10.3 5.2 15.6

85 63.4 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 26.587 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053026.D

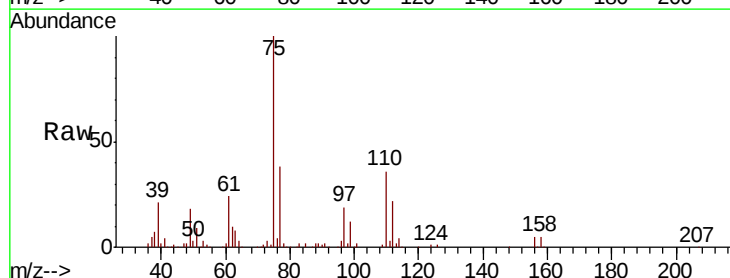
Acq: 19 Dec 2018 22:50

Tgt Ion: 75 Resp: 297508

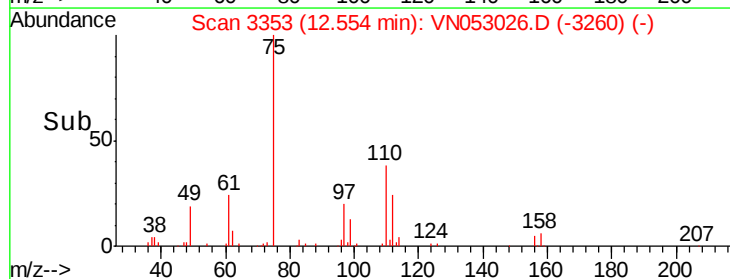
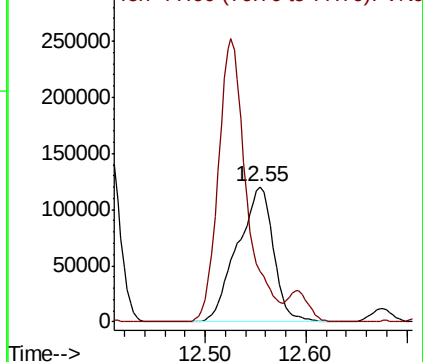
Ion Ratio Lower Upper

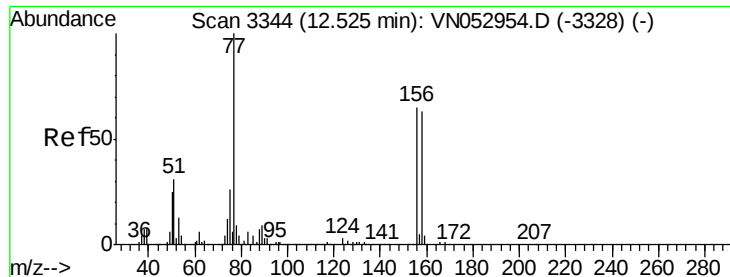
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.416 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

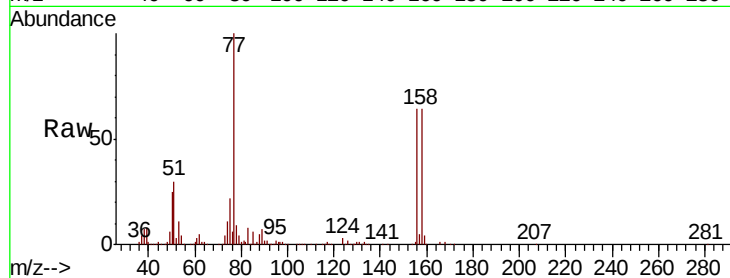
Tot Ion:156 Resp: 276006

Ion Ratio Lower Upper

156 100

77 178.8 91.3 273.8

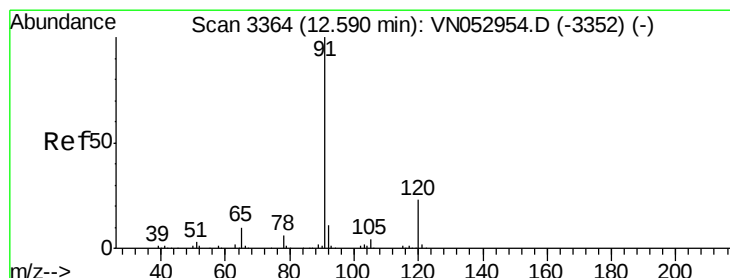
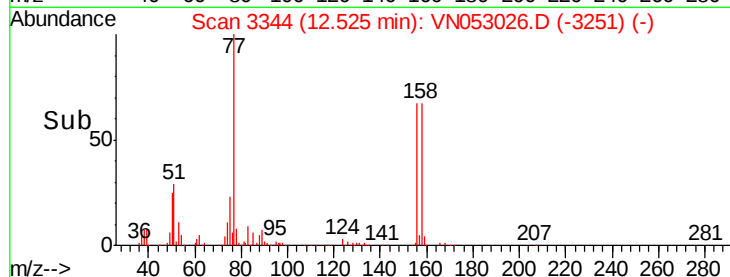
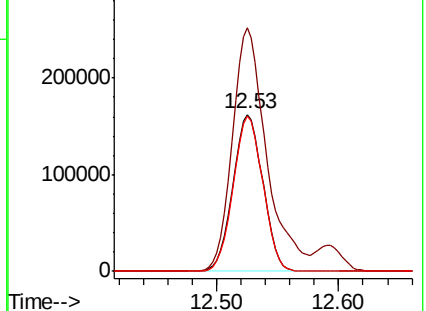
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.085 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053026.D

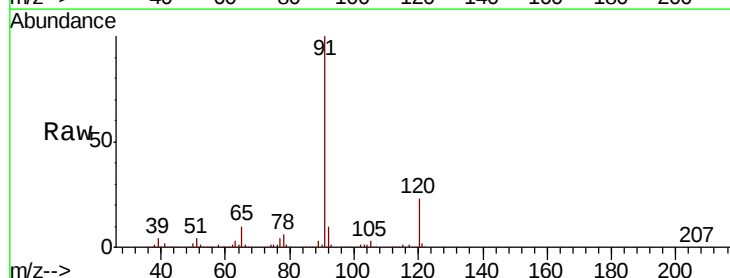
Acq: 19 Dec 2018 22:50

Tgt Ion: 91 Resp: 1189687

Ion Ratio Lower Upper

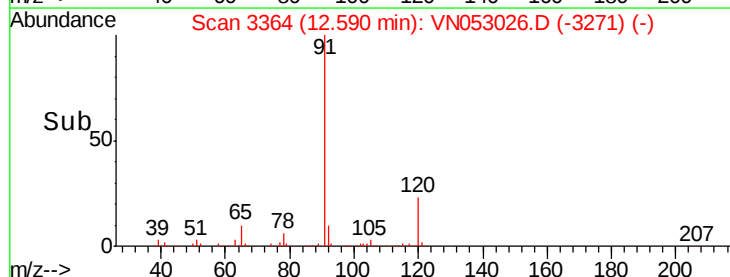
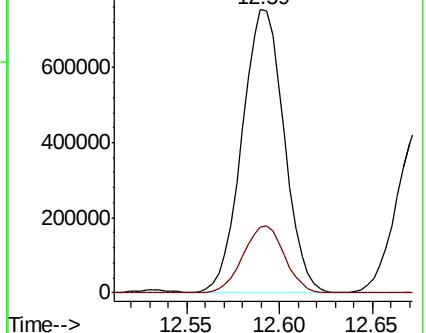
91 100

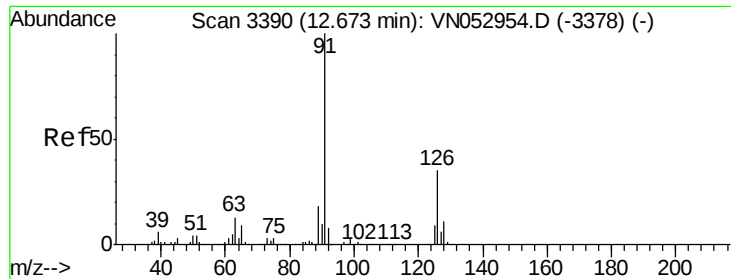
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.472 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

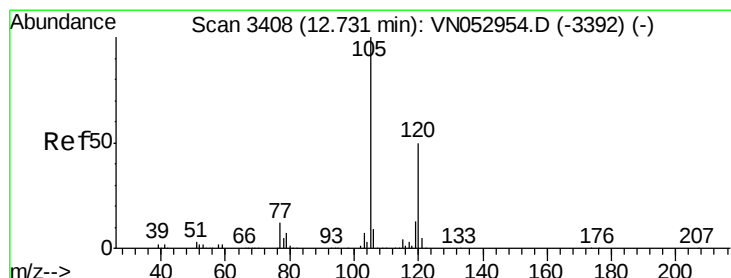
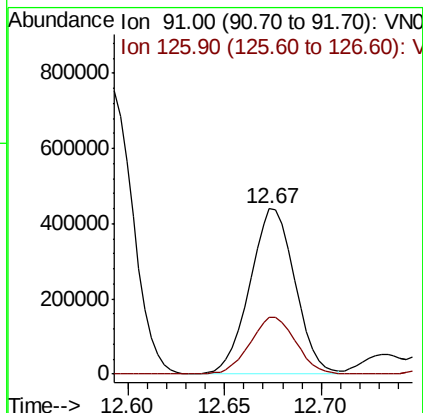
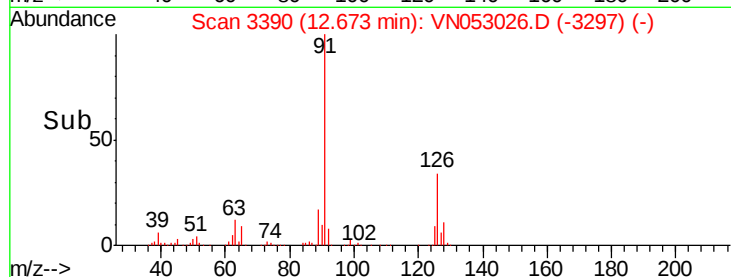
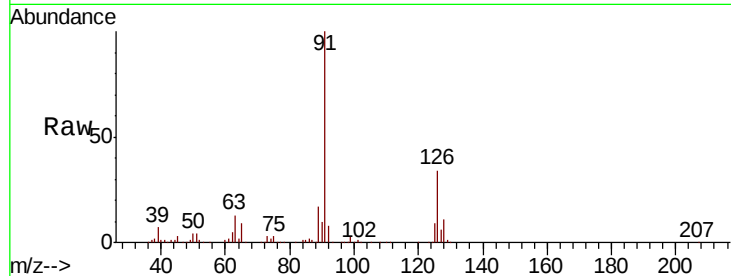
VN1219MBS02

Tot Ion: 91 Resp: 714906

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.940 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053026.D

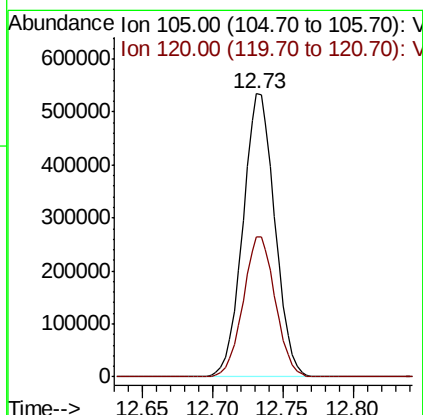
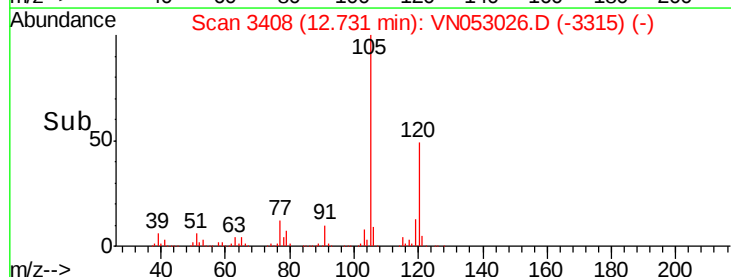
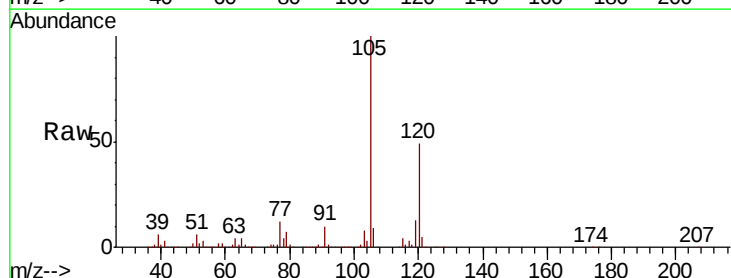
Acq: 19 Dec 2018 22:50

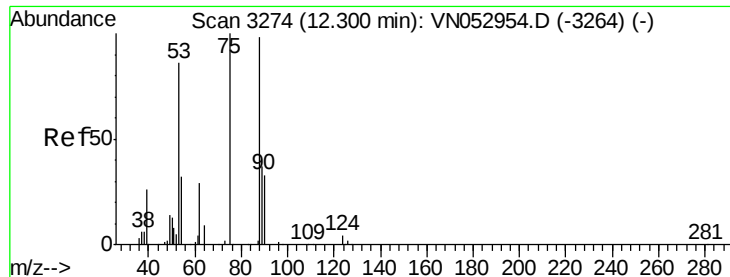
Tgt Ion: 105 Resp: 845293

Ion Ratio Lower Upper

105 100

120 49.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.620 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

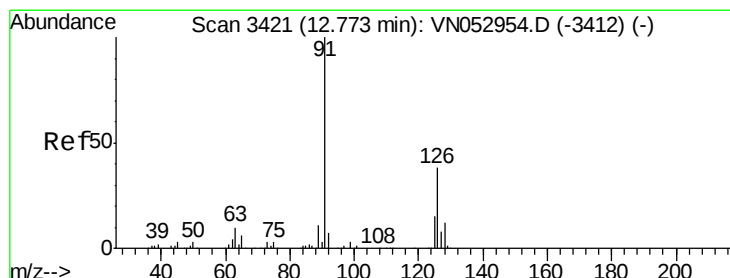
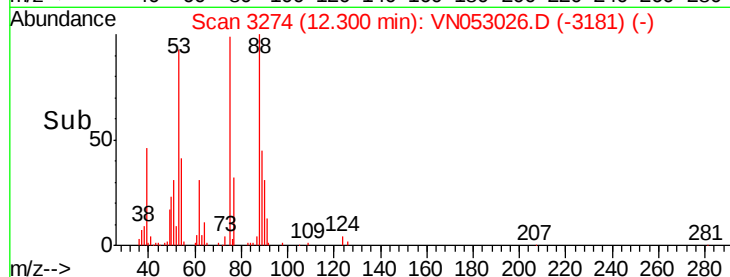
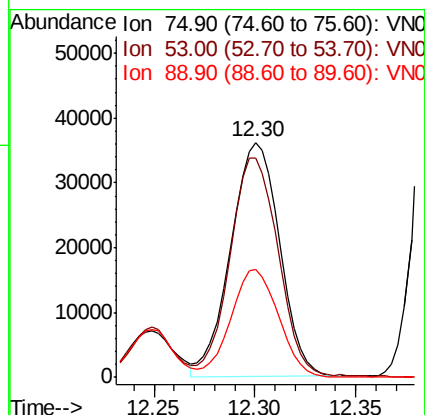
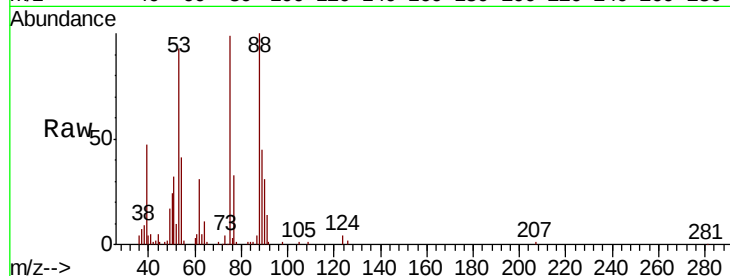
Tot Ion: 75 Resp: 61173

Ion Ratio Lower Upper

75 100

53 93.9 74.7 112.1

89 45.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.204 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053026.D

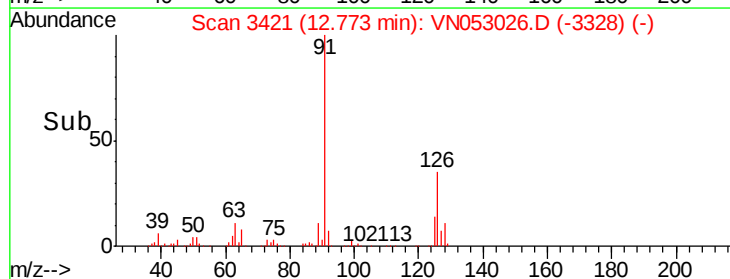
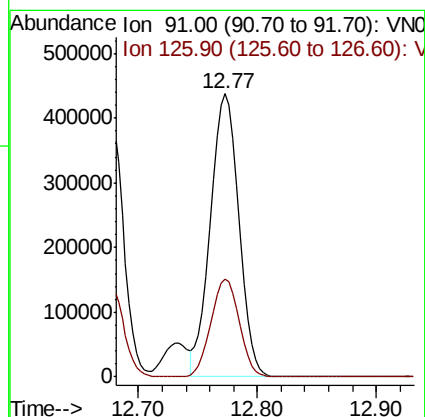
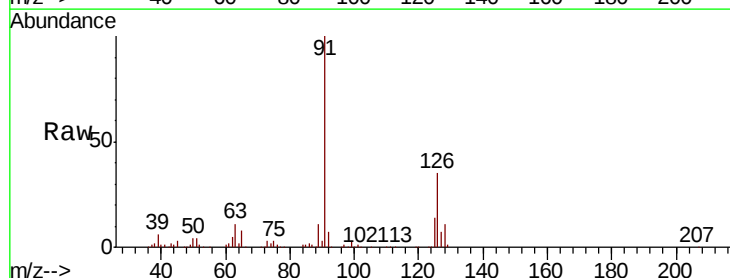
Acq: 19 Dec 2018 22:50

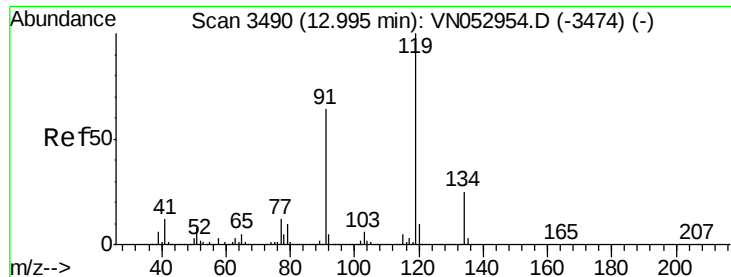
Tgt Ion: 91 Resp: 726146

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7

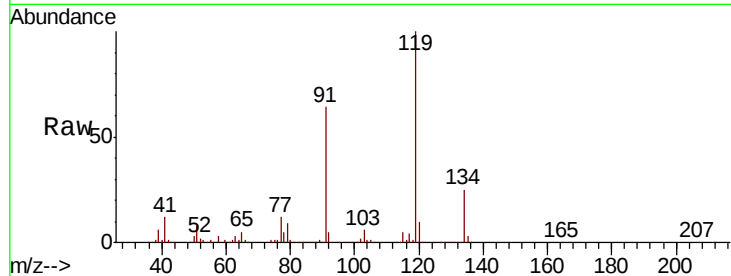




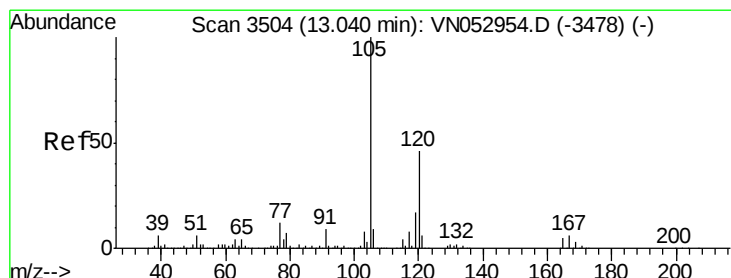
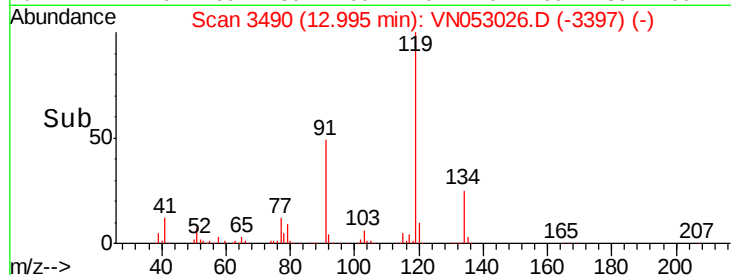
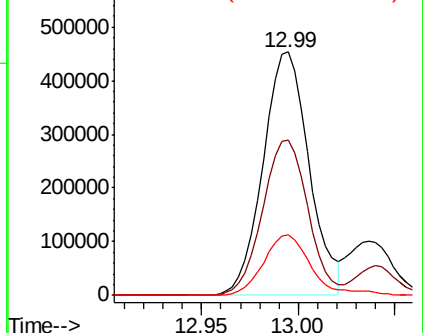
#83
tert-Butylbenzene
Concen: 20.042 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tot Ion:119 Resp: 751396
Ion Ratio Lower Upper
119 100
91 62.7 31.9 95.5
134 25.7 12.8 38.4

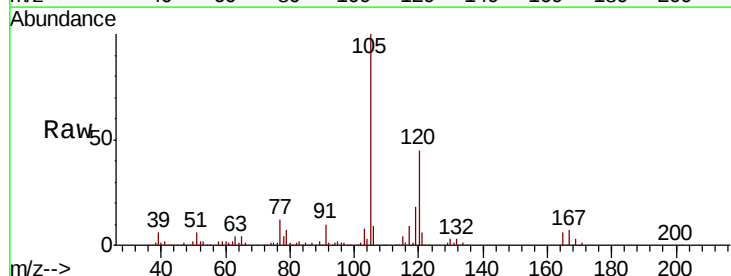


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

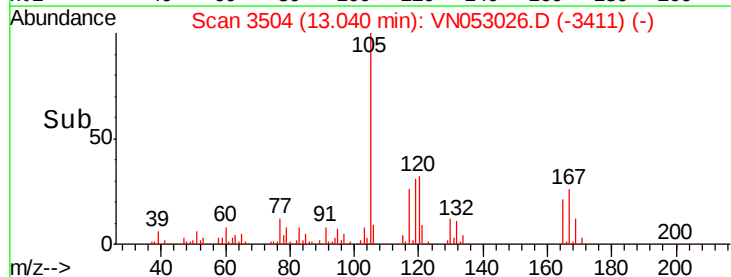
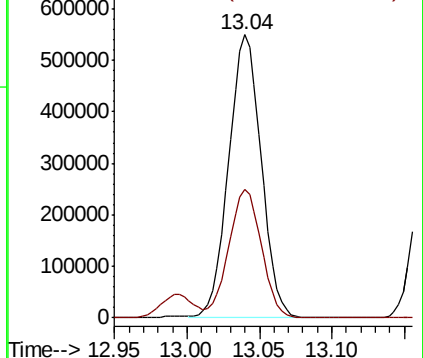


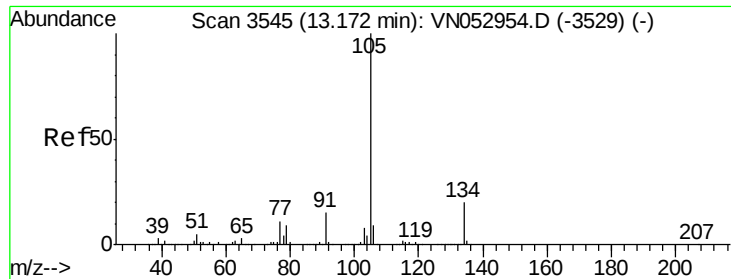
#84
1,2,4-Trimethylbenzene
Concen: 20.066 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053026.D
Acq: 19 Dec 2018 22:50

Tgt Ion:105 Resp: 855097
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8



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

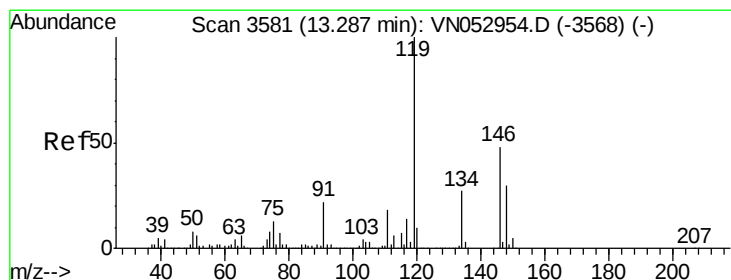
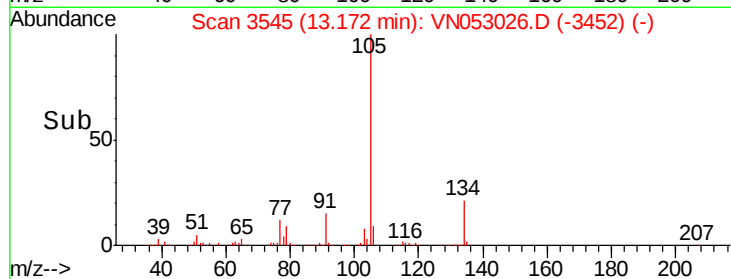
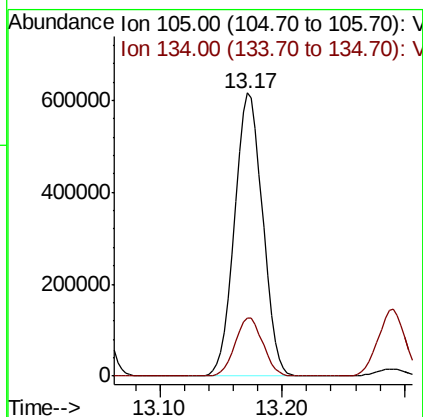
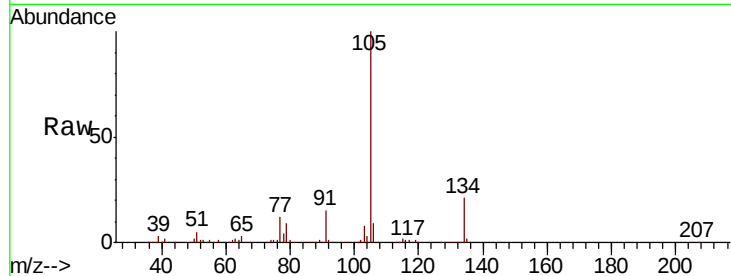




#85
 sec-Butylbenzene
 Concen: 19.347 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

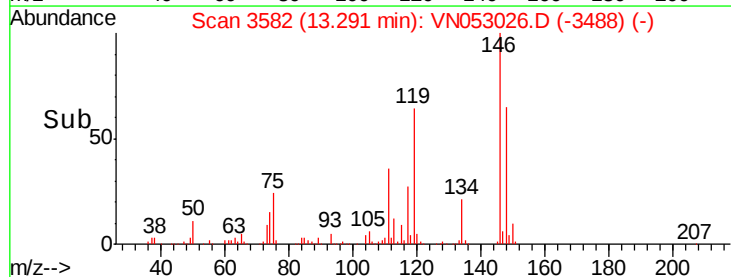
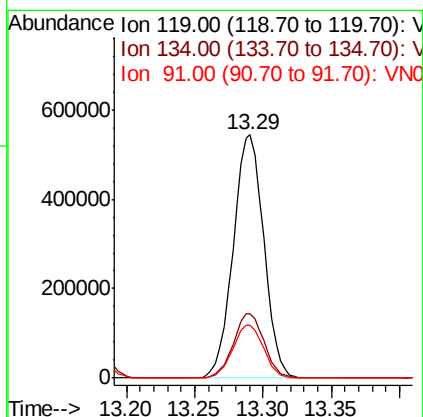
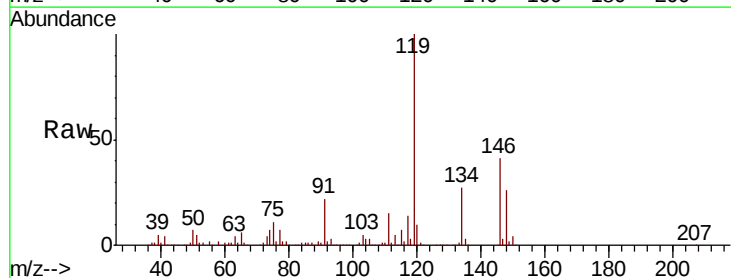
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

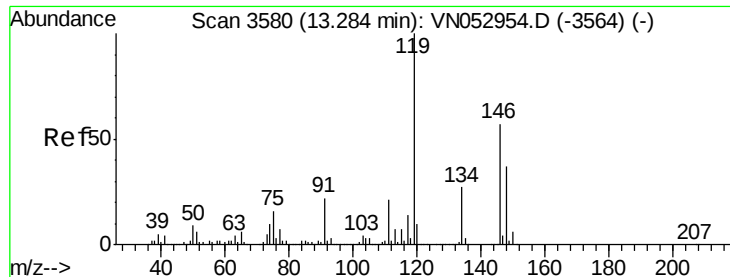
Tot Ion:105 Resp: 981082
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.247 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion:119 Resp: 843376
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.0 11.1 33.3

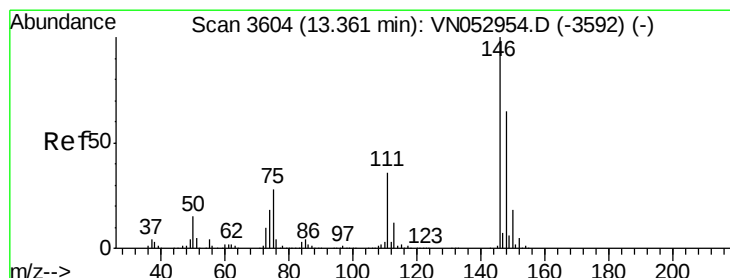
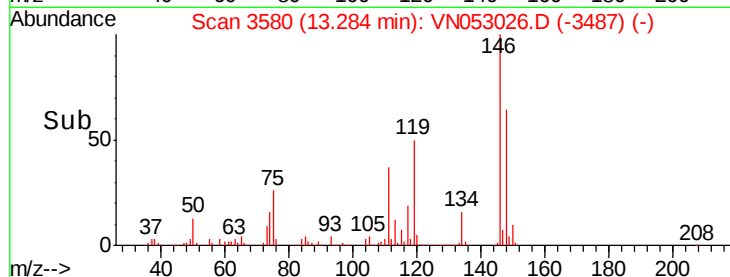
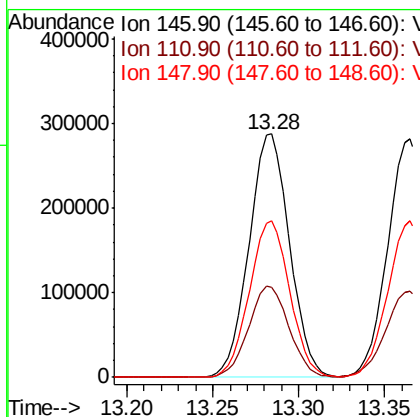
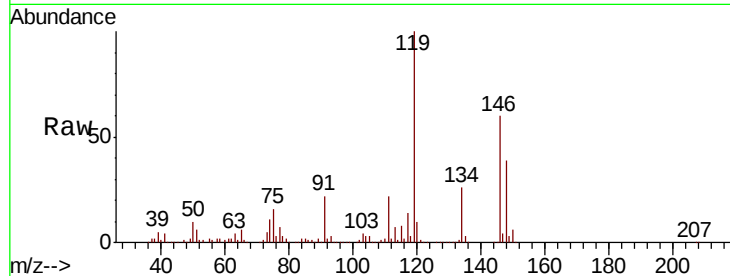




#87
 1,3-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

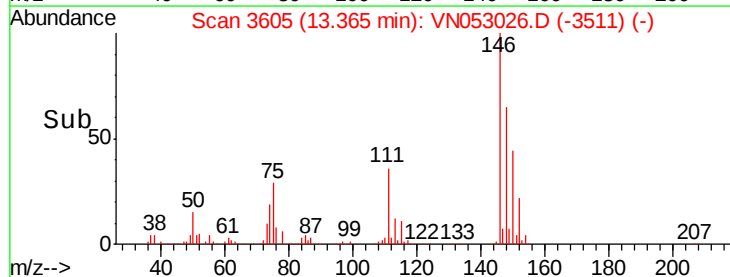
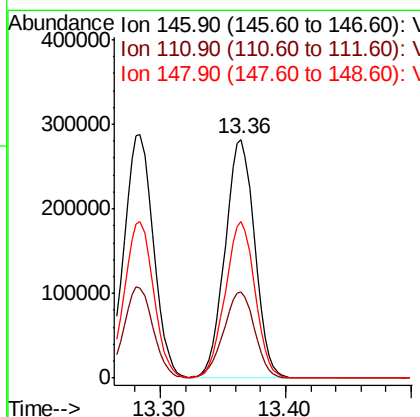
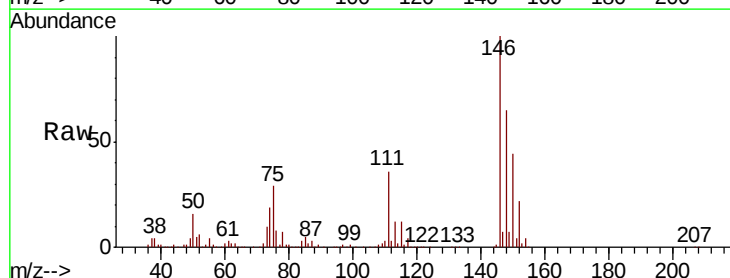
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

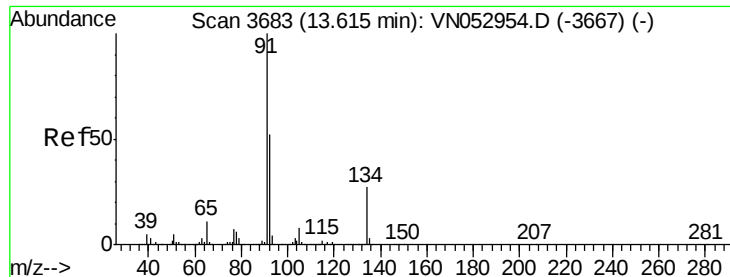
Tot Ion:146 Resp: 470059
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion:146 Resp: 462890
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 65.7 32.1 96.5





#89

n-Butylbenzene

Concen: 17.744 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

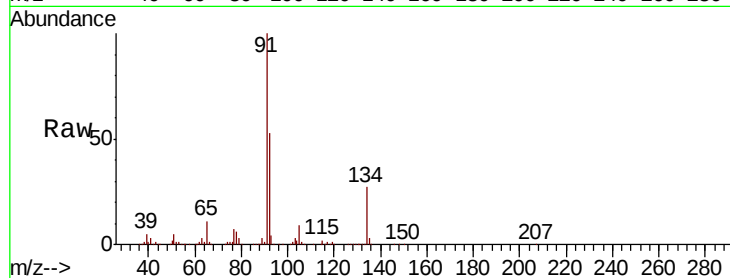
Tot Ion: 91 Resp: 668897

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

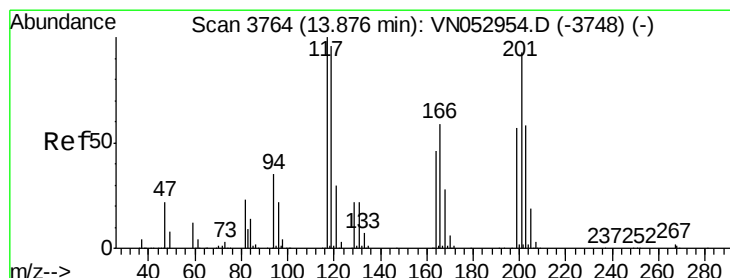
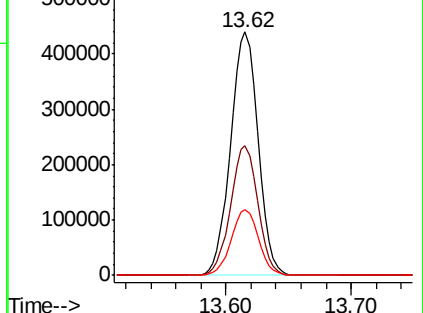
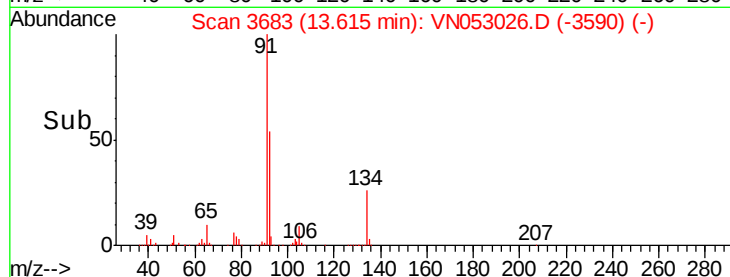
134 26.7 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053026.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053026.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053026.D (-3590) (-)



#90

Hexachloroethane

Concen: 18.670 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053026.D

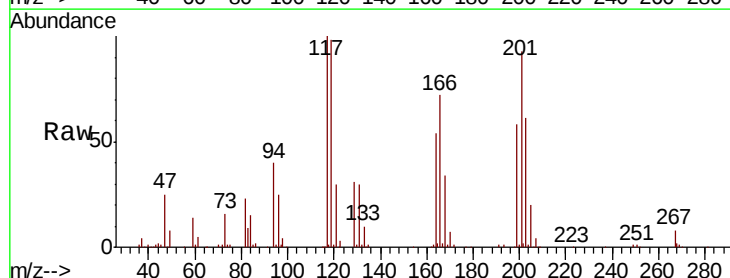
Acq: 19 Dec 2018 22:50

Tgt Ion: 117 Resp: 125544

Ion Ratio Lower Upper

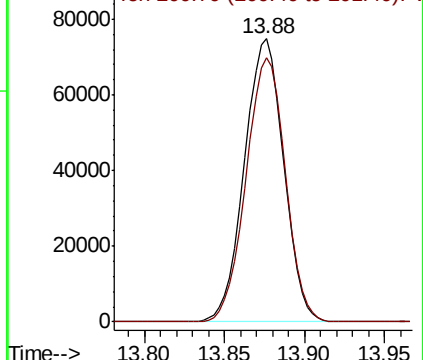
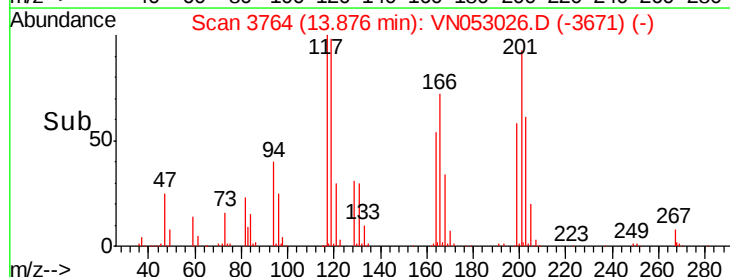
117 100

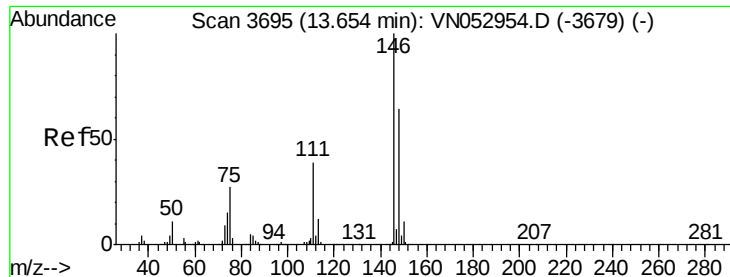
201 93.4 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053026.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053026.D (-3671) (-)

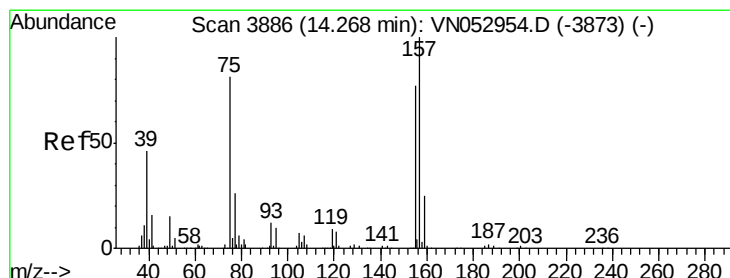
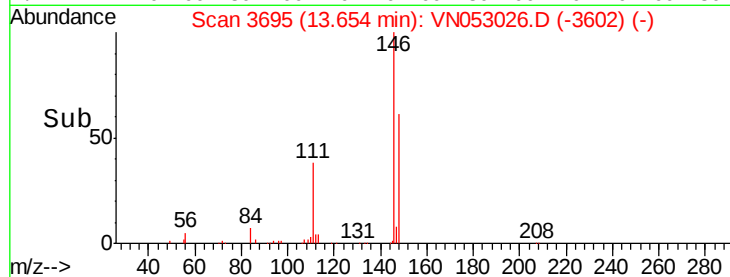
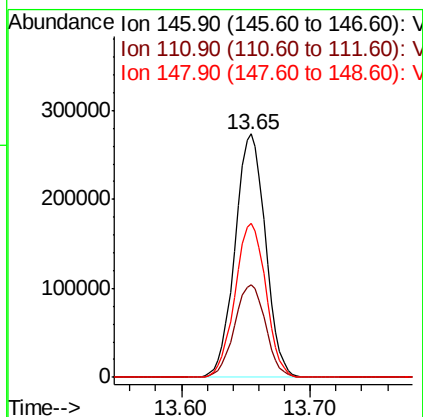
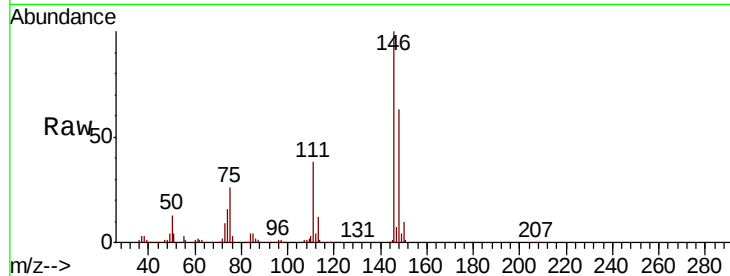




#91
 1,2-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

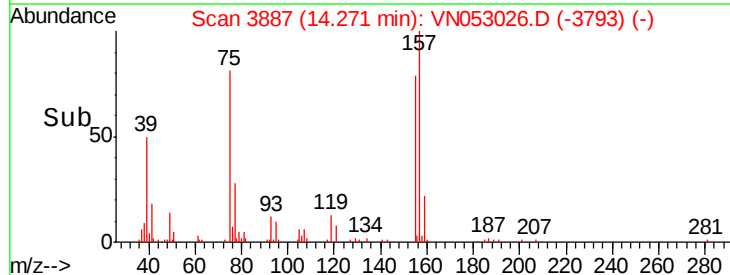
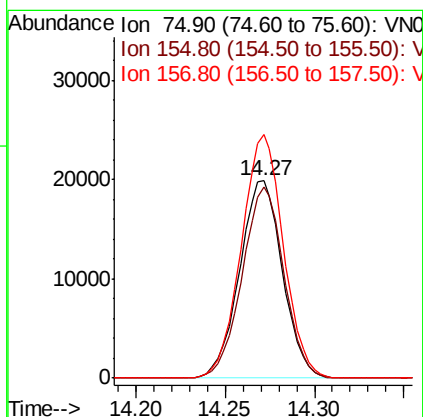
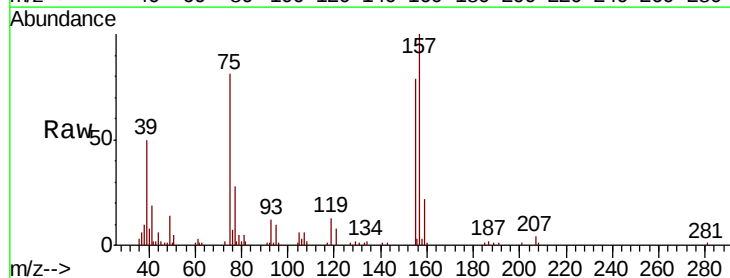
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

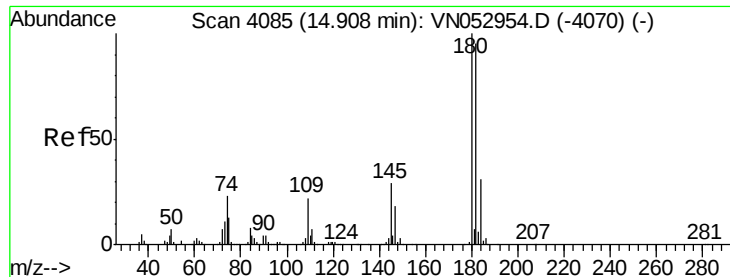
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.2	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.874 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.2	144.6
157	121.0	61.2	183.5

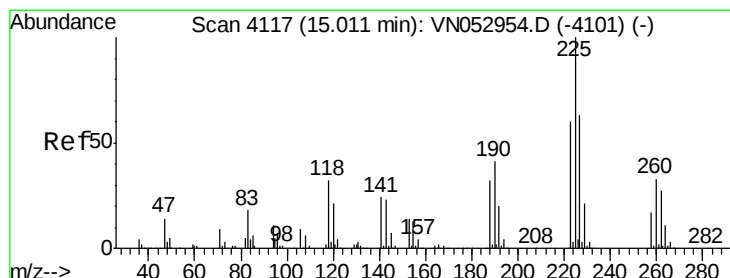
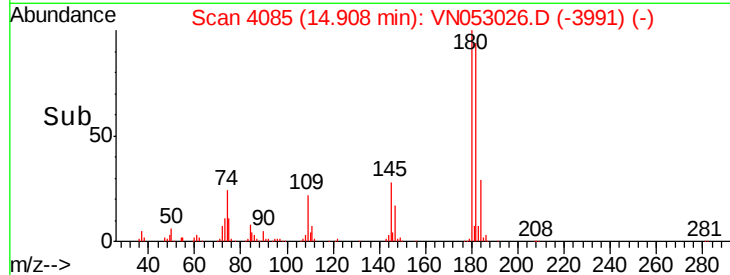
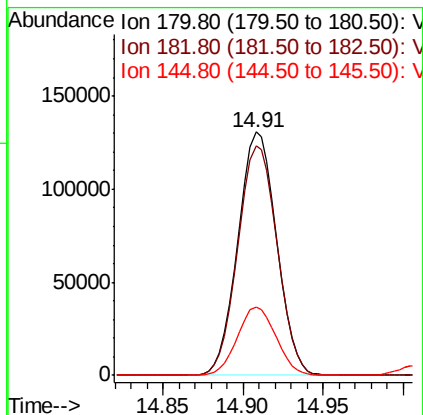
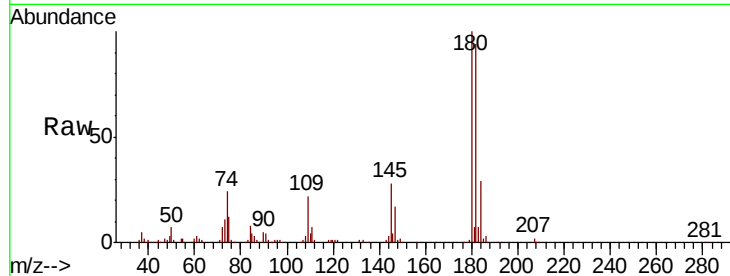




#93
 1,2,4-Trichlorobenzene
 Concen: 18.384 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

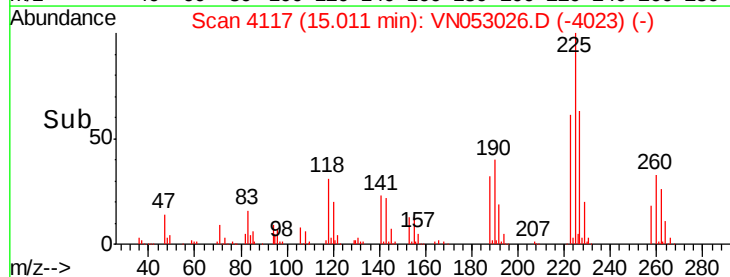
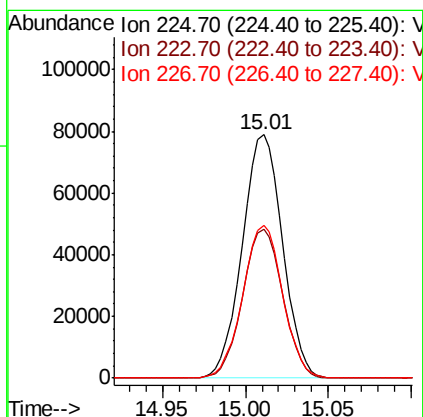
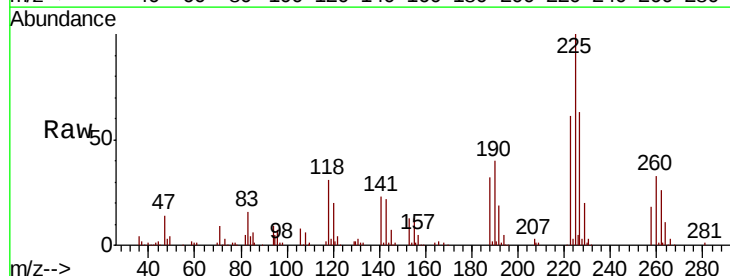
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

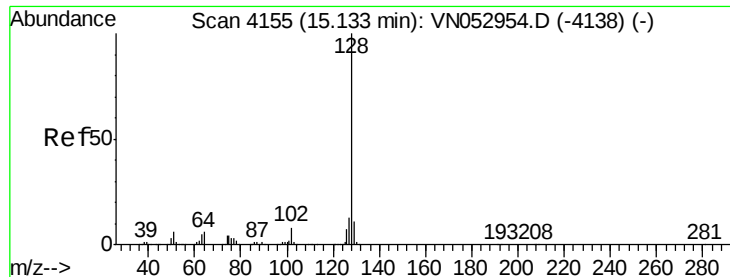
Tot Ion:180 Resp: 214787
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.3
 145 28.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 19.831 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053026.D
 Acq: 19 Dec 2018 22:50

Tgt Ion:225 Resp: 133208
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.5 94.5
 227 62.2 31.9 95.7





#95

Naphthalene

Concen: 17.797 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

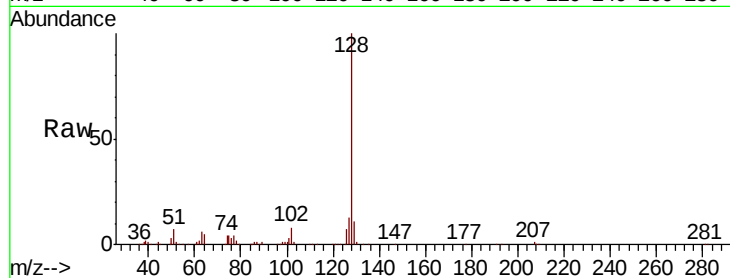
Tot Ion:128 Resp: 445378

Ion Ratio Lower Upper

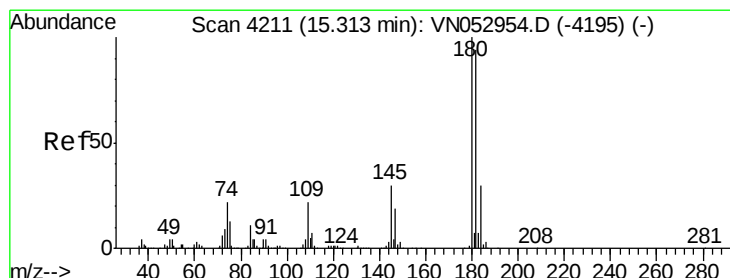
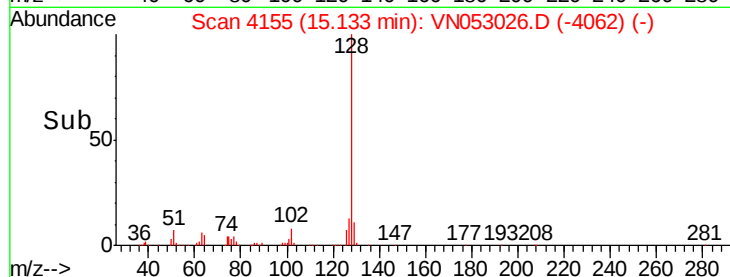
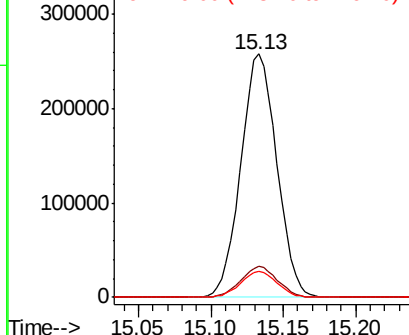
128 100

127 12.9 10.2 15.4

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.225 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053026.D

Acq: 19 Dec 2018 22:50

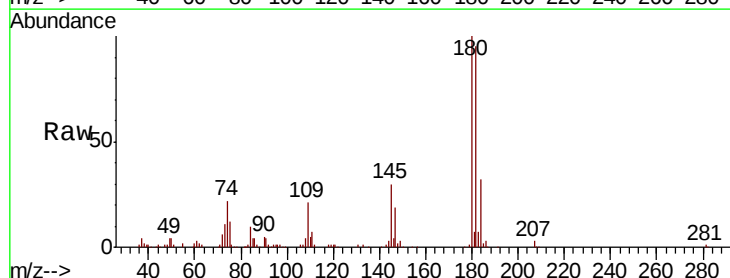
Tgt Ion:180 Resp: 192297

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 29.7 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

