

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053027.D
 Acq On : 19 Dec 2018 23:16
 Operator : MD\SY
 Sample : VN1219MBSD01
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

Quant Time: Dec 20 05:27:21 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	1083760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1671351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1479755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667204	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	568538	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	443734	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
50) Toluene-d8	10.09	98	2084412	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	702711	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	212744	19.396	ug/l	98
3) Chloromethane	2.06	50	261197	19.651	ug/l	100
4) Vinyl Chloride	2.19	62	264760	19.668	ug/l	100
5) Bromomethane	2.58	94	174295	18.688	ug/l	99
6) Chloroethane	2.71	64	159379	19.991	ug/l	99
7) Trichlorofluoromethane	3.03	101	335877	20.029	ug/l	99
8) Diethyl Ether	3.41	74	128266	20.275	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	210909	19.726	ug/l	99
10) Methyl Iodide	3.96	142	296637	19.756	ug/l	99
11) Tert butyl alcohol	4.77	59	64713	96.434	ug/l	100
12) 1,1-Dichloroethene	3.74	96	205682	19.912	ug/l	97
13) Acrolein	3.61	56	66096	108.625	ug/l	98
14) Allyl chloride	4.33	41	331088	20.693	ug/l	94
15) Acrylonitrile	4.99	53	372240	99.848	ug/l	100
16) Acetone	3.82	43	228079	105.769	ug/l	94
17) Carbon Disulfide	4.06	76	588965	17.483	ug/l	100
18) Methyl Acetate	4.32	43	189515	19.971	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	564945	20.437	ug/l	99
20) Methylene Chloride	4.55	84	234445	19.931	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	219240	19.754	ug/l	99
22) Diisopropyl ether	5.95	45	711500	20.833	ug/l	97
23) Vinyl Acetate	5.90	43	2056668	104.724	ug/l	99
24) 1,1-Dichloroethane	5.85	63	413634	20.382	ug/l	99
25) 2-Butanone	6.83	43	378354	104.548	ug/l	99
26) 2,2-Dichloropropane	6.83	77	261400	16.873	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253166	20.149	ug/l	97
28) Bromochloromethane	7.19	49	190421	21.653	ug/l	95
29) Tetrahydrofuran	7.21	42	275441	101.907	ug/l	98
30) Chloroform	7.37	83	406603	20.395	ug/l	99
31) Cyclohexane	7.66	56	384274	19.549	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	334547	19.699	ug/l	99
36) 1,1-Dichloropropene	7.79	75	312199	19.461	ug/l	100
37) Ethyl Acetate	6.93	43	185635	20.729	ug/l	99
38) Carbon Tetrachloride	7.77	117	290435	19.752	ug/l	99

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Instrument :
 MSVOA_N
 ClientSampleID :
 VN1219MBSD02

Quant Time: Dec 20 05:27:21 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)
39) Methylcyclohexane	9.08	83	356694	18.303	ug/l	97
40) Benzene	8.04	78	957768	20.072	ug/l	99
41) Methacrylonitrile	7.17	41	98948	19.123	ug/l	99
42) 1,2-Dichloroethane	8.12	62	281443	19.966	ug/l	99
43) Isopropyl Acetate	8.16	43	353344	19.757	ug/l	99
44) Trichloroethene	8.84	130	264765	19.184	ug/l	99
45) 1,2-Dichloropropane	9.12	63	254270	20.458	ug/l	99
46) Dibromomethane	9.21	93	144387	19.942	ug/l	98
47) Bromodichloromethane	9.40	83	301455	19.587	ug/l	99
48) Methyl methacrylate	9.20	41	172232	19.819	ug/l	99
49) 1,4-Dioxane	9.20	88	41003	373.004	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	891260	102.766	ug/l	98
52) Toluene	10.16	92	586527	19.831	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	300970	18.597	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	353684	19.039	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	205841	19.949	ug/l	98
56) Ethyl methacrylate	10.43	69	270072	19.775	ug/l	98
57) 1,3-Dichloropropane	10.71	76	355694	20.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	761158	101.519	ug/l	98
59) 2-Hexanone	10.75	43	590809	100.687	ug/l	99
60) Dibromochloromethane	10.90	129	224566	19.013	ug/l	100
61) 1,2-Dibromoethane	11.01	107	206303	19.687	ug/l	98
64) Tetrachloroethene	10.63	164	297719	18.574	ug/l	99
65) Chlorobenzene	11.43	112	650576	19.833	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	225548	19.773	ug/l	99
67) Ethyl Benzene	11.51	91	1107533	19.633	ug/l	99
68) m/p-Xylenes	11.62	106	849822	39.628	ug/l	98
69) o-Xylene	11.95	106	413132	20.076	ug/l	99
70) Styrene	11.96	104	670573	19.984	ug/l	100
71) Bromoform	12.13	173	151975	18.443	ug/l #	99
73) Isopropylbenzene	12.25	105	1093899	20.955	ug/l	100
74) N-amyl acetate	12.07	43	298523	20.597	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	225303	21.999	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	299139	26.633	ug/l #	100
77) Bromobenzene	12.53	156	278224	20.503	ug/l	98
78) n-propylbenzene	12.59	91	1208708	20.330	ug/l	100
79) 2-Chlorotoluene	12.67	91	722493	19.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	863424	20.292	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62075	17.813	ug/l	99
82) 4-Chlorotoluene	12.77	91	733198	20.324	ug/l	100
83) tert-Butylbenzene	12.99	119	756005	20.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	870498	20.351	ug/l	100
85) sec-Butylbenzene	13.17	105	989256	19.435	ug/l	99
86) p-Isopropyltoluene	13.29	119	854511	19.429	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	474250	19.746	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	462914	19.033	ug/l	99
89) n-Butylbenzene	13.62	91	672497	17.773	ug/l	100
90) Hexachloroethane	13.88	117	124554	18.454	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	447062	19.778	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33381	18.851	ug/l	99

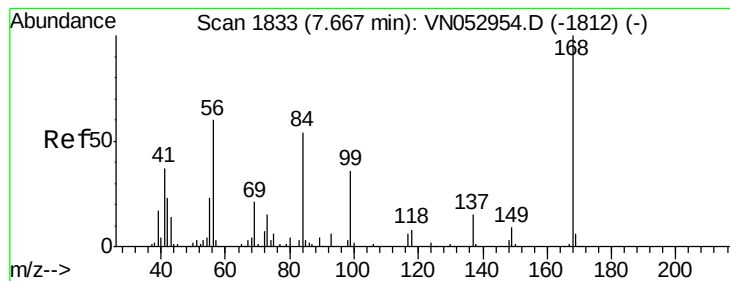
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053027.D
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Operator : MD\SY
Sample : VN1219MBSD01
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ALS Vial : 34 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Quant Time: Dec 20 05:27:21 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)
93) 1,2,4-Trichlorobenzene	14.91	180	217266	18.522	ug/l	99
94) Hexachlorobutadiene	15.01	225	131638	19.477	ug/l	99
95) Naphthalene	15.13	128	473922	18.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	198585	18.736	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

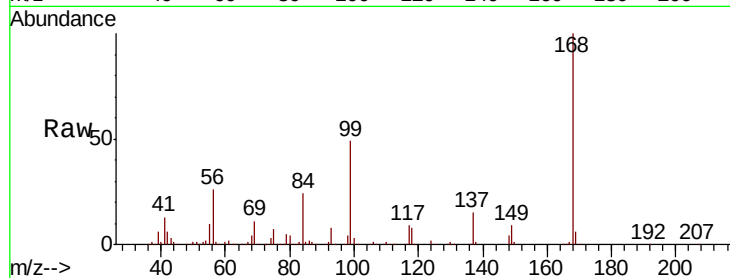
VN1219MBSD02

Tot Ion:168 Resp: 1083760

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

200000

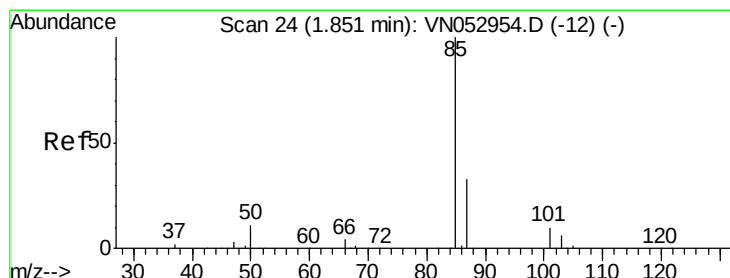
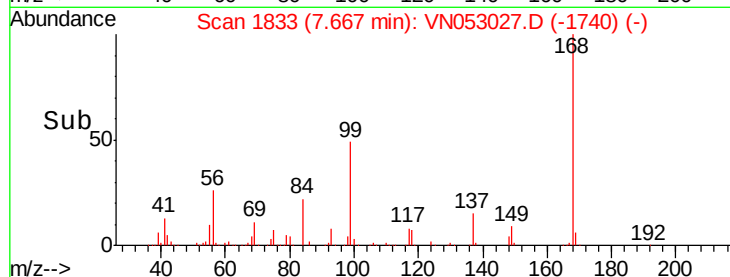
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.396 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053027.D

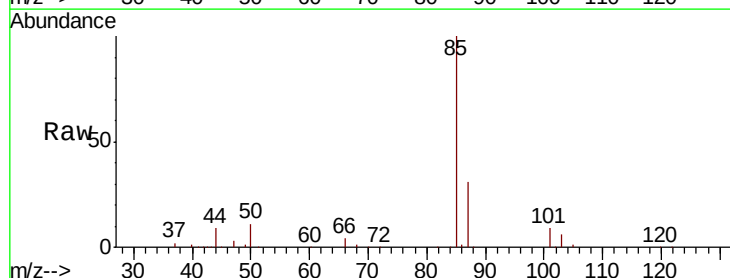
Acq: 19 Dec 2018 23:16

Tgt Ion: 85 Resp: 212744

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

100000

50000

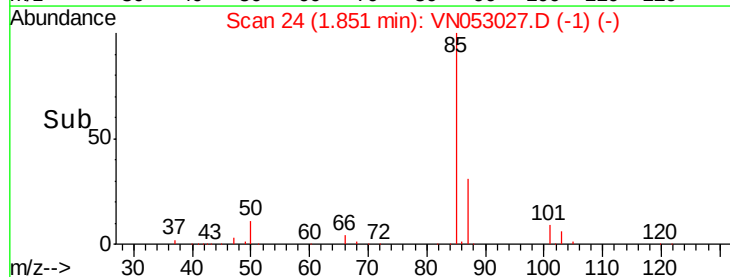
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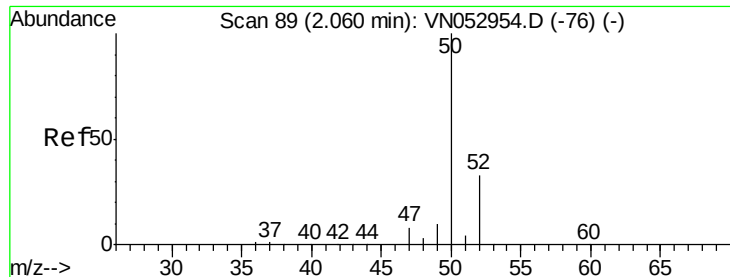
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.651 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

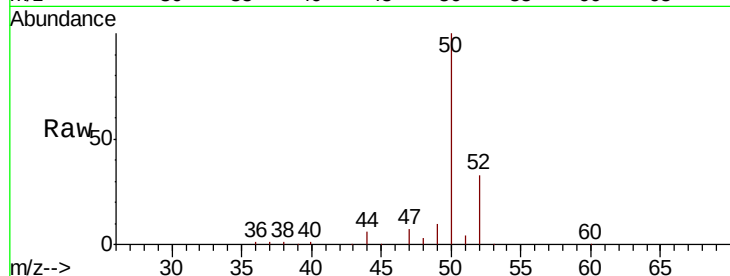
VN1219MBSD02

Tot Ion: 50 Resp: 261197

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN053027.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN053027.D (-1) (-)

2.06

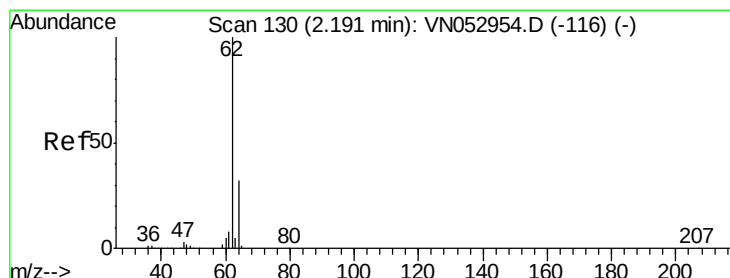
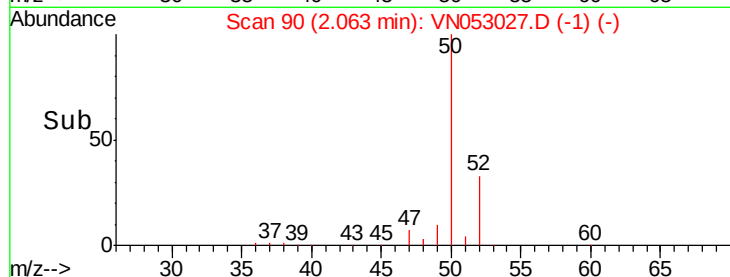
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.668 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053027.D

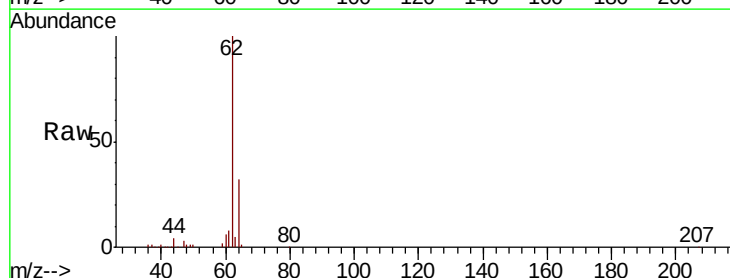
Acq: 19 Dec 2018 23:16

Tgt Ion: 62 Resp: 264760

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN053027.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN053027.D (-37) (-)

2.19

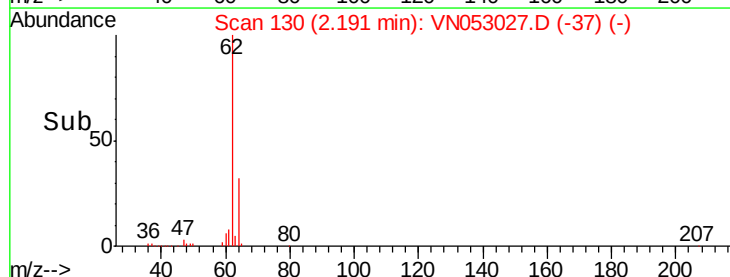
150000

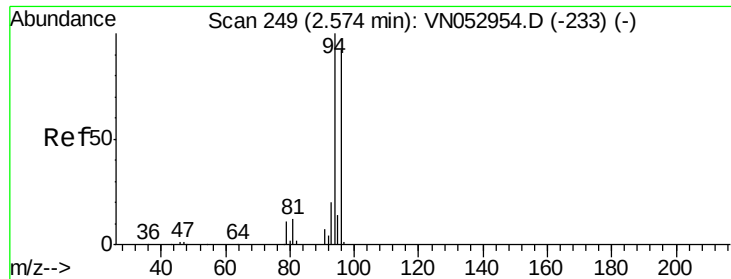
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.688 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

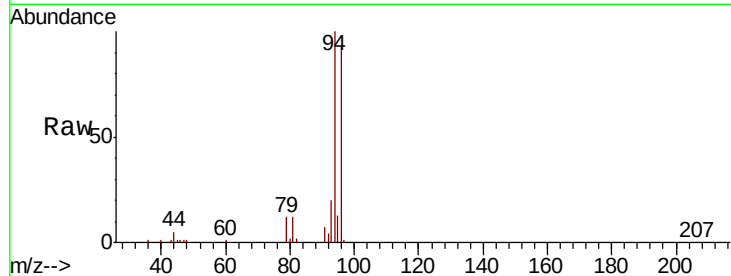
VN1219MBSD02

Tot Ion: 94 Resp: 174295

Ion Ratio Lower Upper

94 100

96 92.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

100000

80000

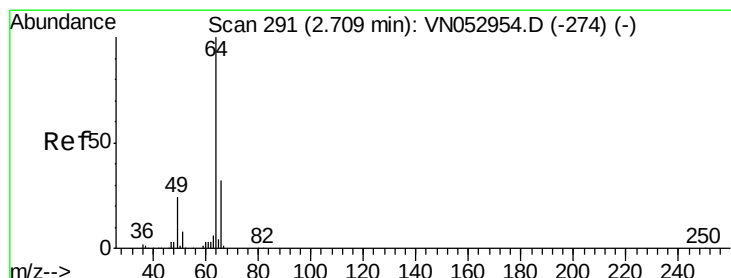
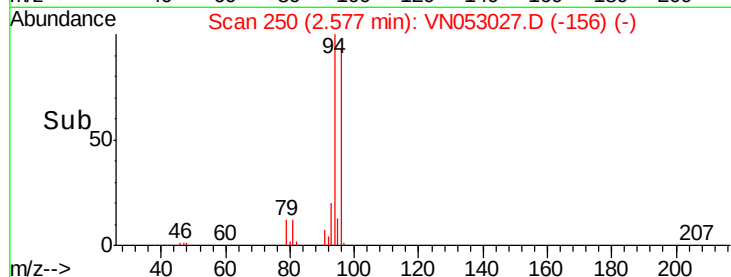
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.991 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053027.D

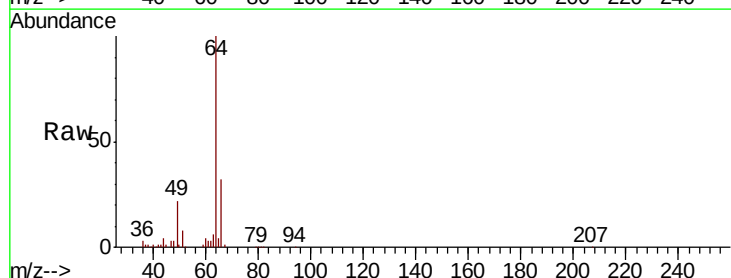
Acq: 19 Dec 2018 23:16

Tgt Ion: 64 Resp: 159379

Ion Ratio Lower Upper

64 100

66 32.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

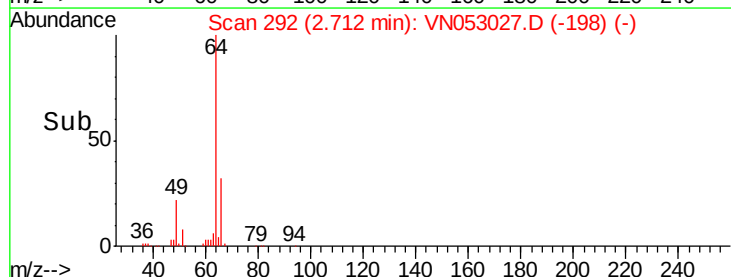
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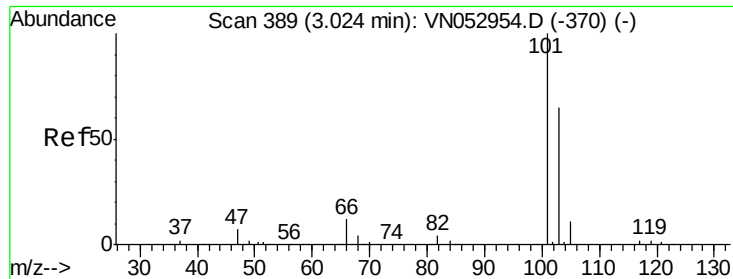
40000

20000

0

Time-->



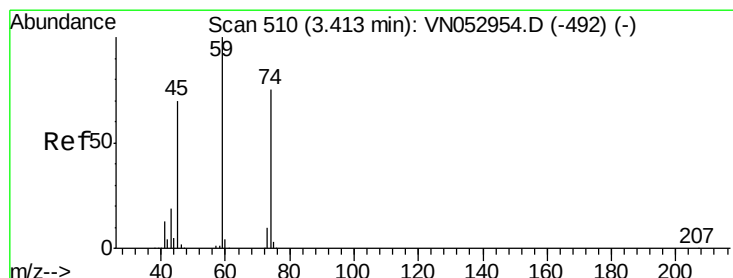
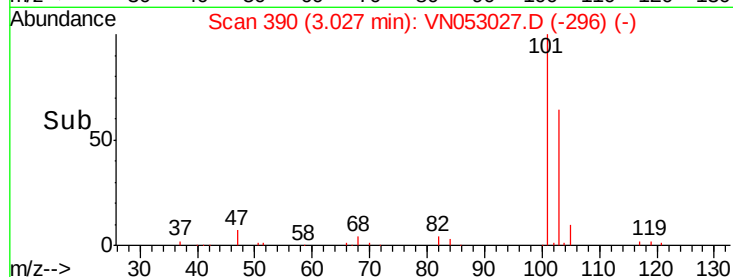
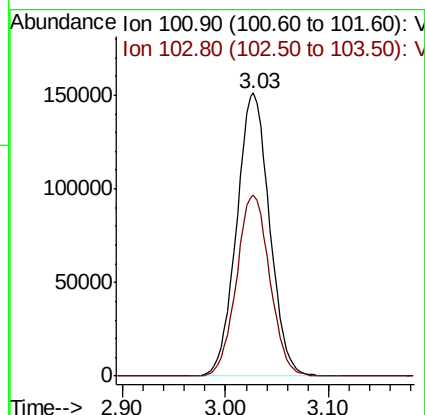
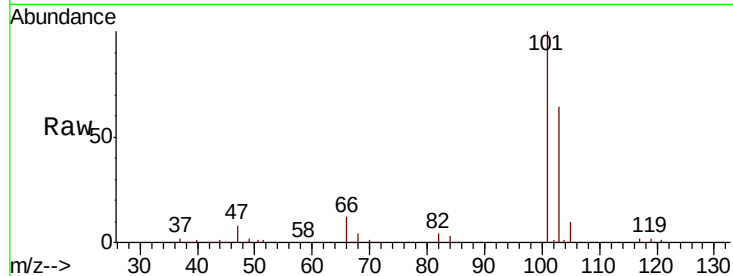


#7

Trichlorofluoromethane
 Concen: 20.029 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

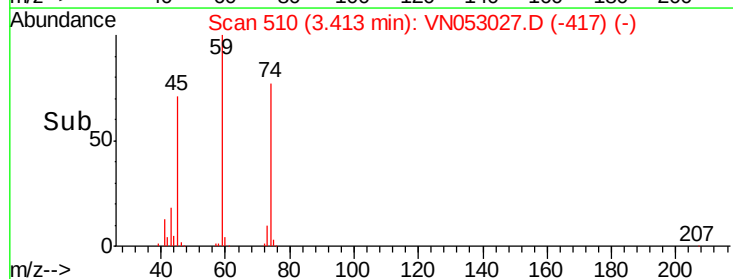
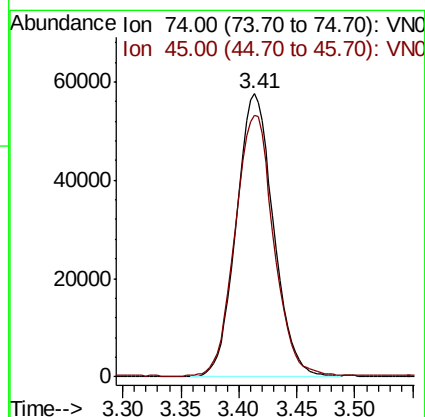
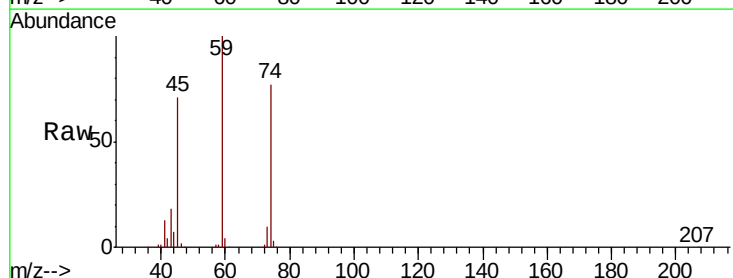
Tot Ion:101 Resp: 335877
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6

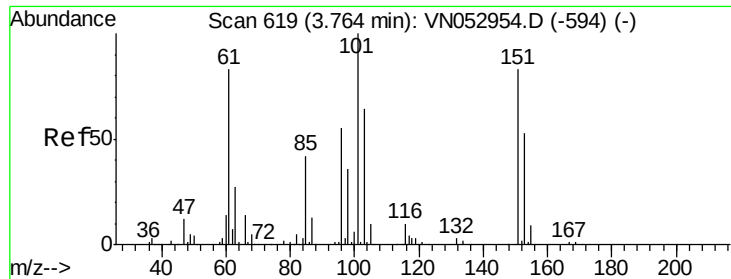


#8

Diethyl Ether
 Concen: 20.275 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion: 74 Resp: 128266
 Ion Ratio Lower Upper
 74 100
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.726 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

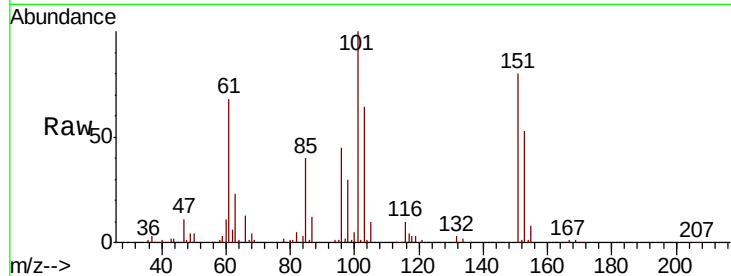
Tot Ion:101 Resp: 210909

Ion Ratio Lower Upper

101 100

85 40.4 33.6 50.4

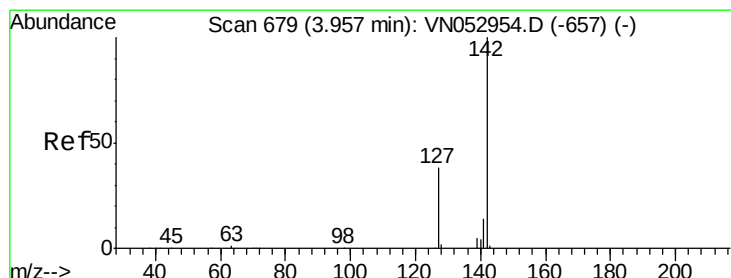
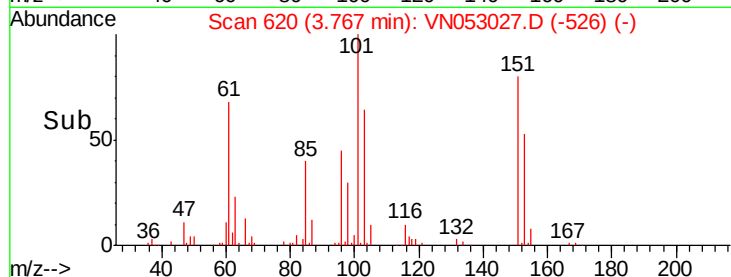
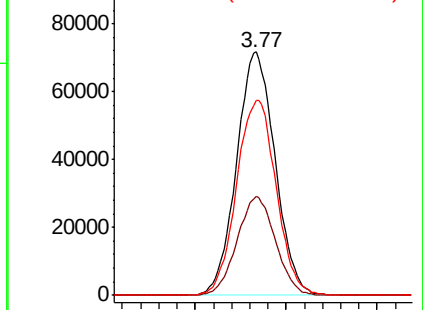
151 82.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.756 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

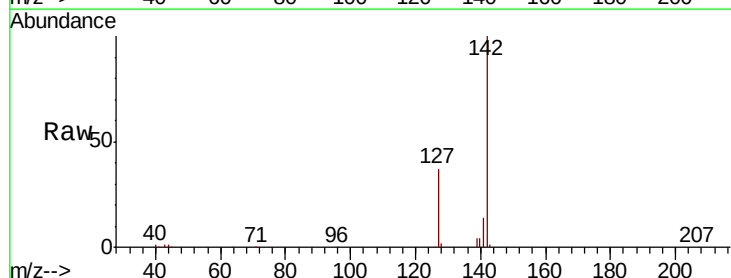
Tgt Ion:142 Resp: 296637

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

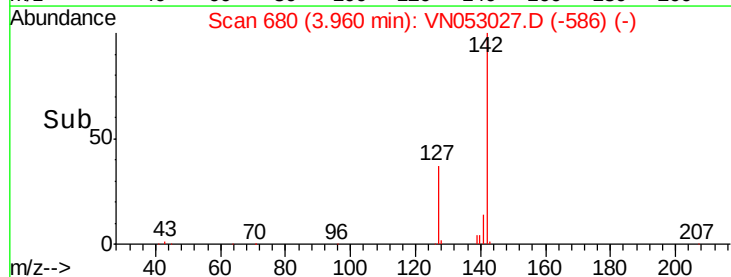
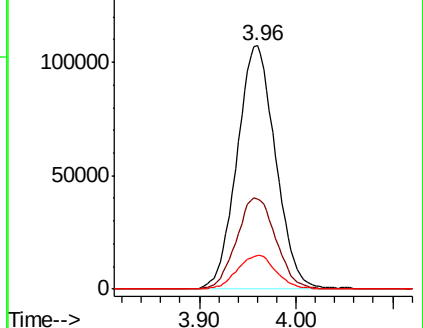
141 14.1 11.2 16.8

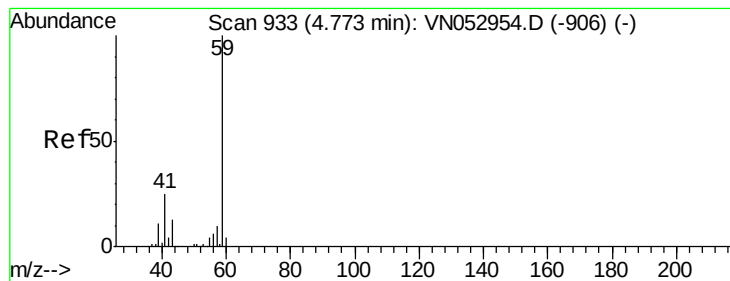


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



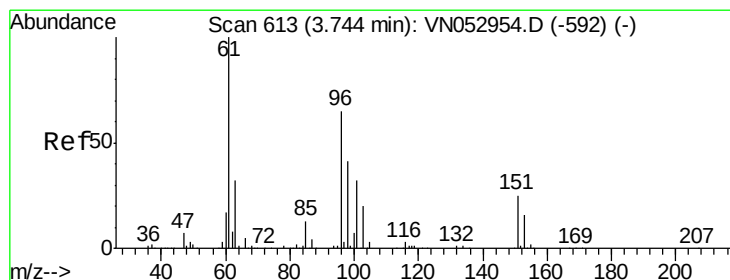
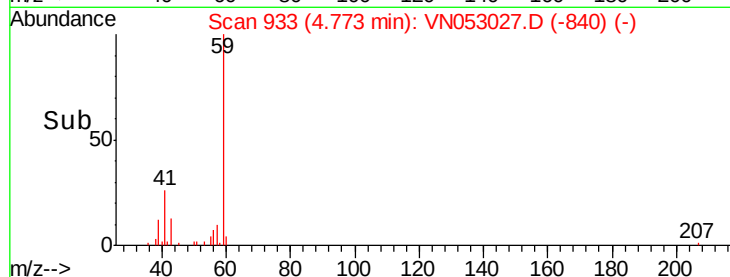
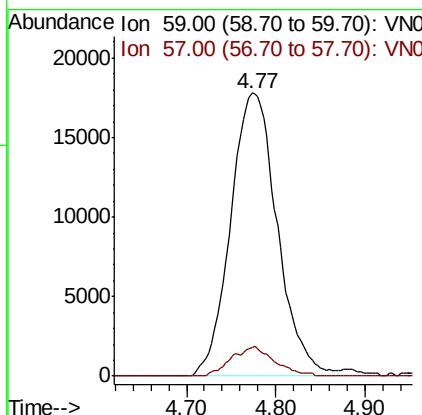
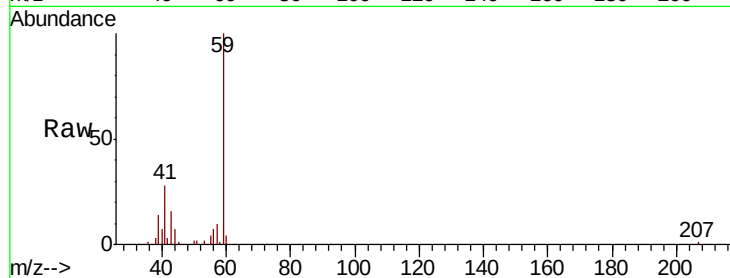


#11

Tert butyl alcohol
 Concen: 96.434 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

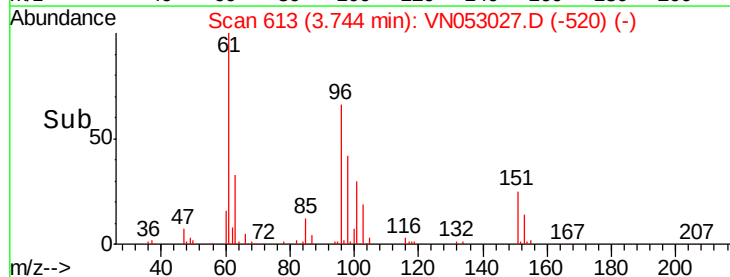
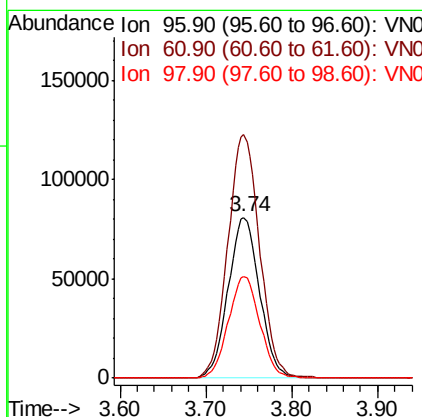
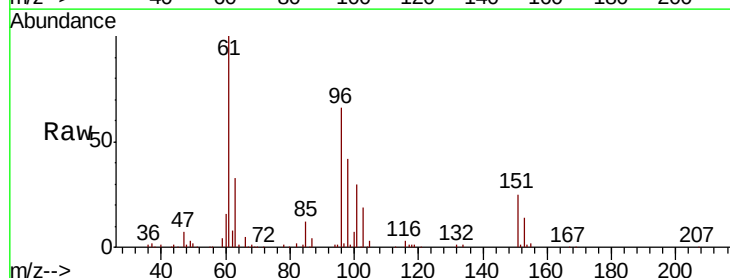
Tot Ion: 59 Resp: 64713
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.7 11.5

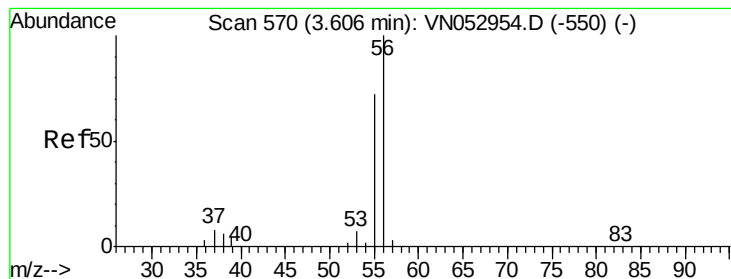


#12

1,1-Dichloroethene
 Concen: 19.912 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion: 96 Resp: 205682
 Ion Ratio Lower Upper
 96 100
 61 151.2 125.6 188.4
 98 63.4 50.6 75.8





#13

Acrolein

Concen: 108.625 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

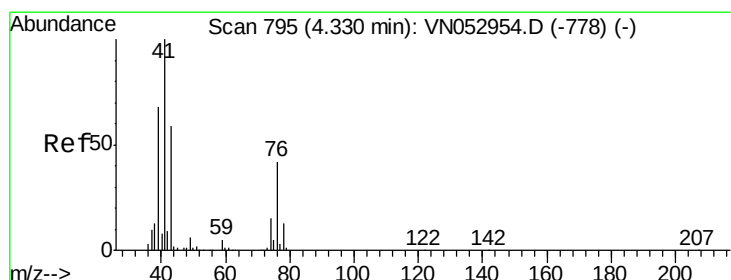
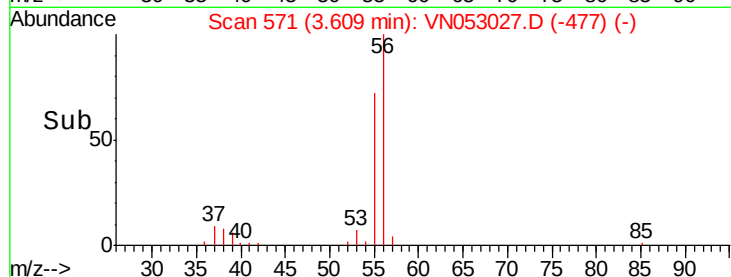
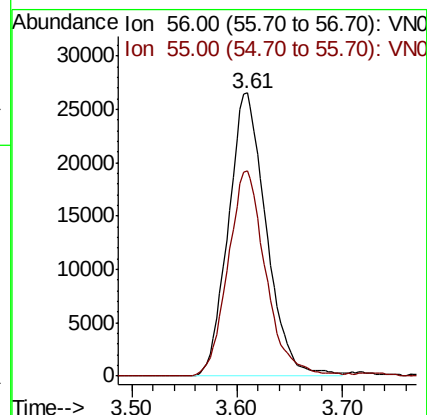
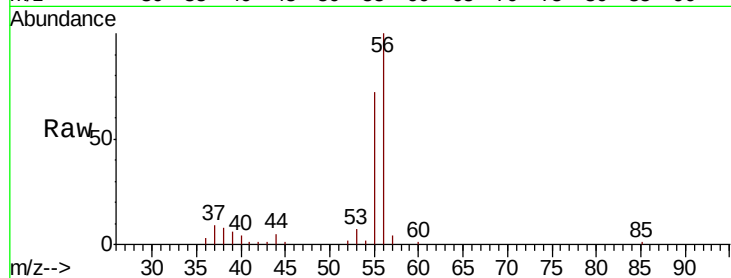
VN1219MBSD02

Tot Ion: 56 Resp: 66096

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



#14

Allyl chloride

Concen: 20.693 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

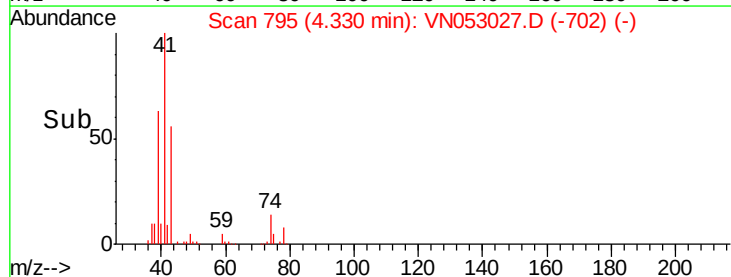
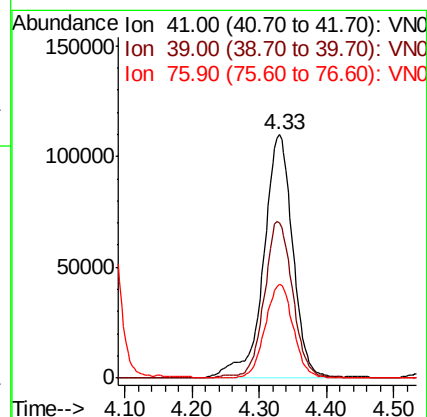
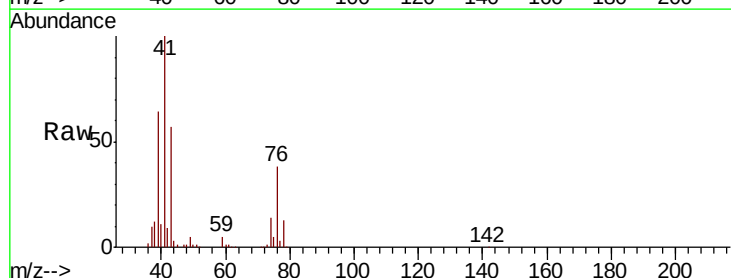
Tgt Ion: 41 Resp: 331088

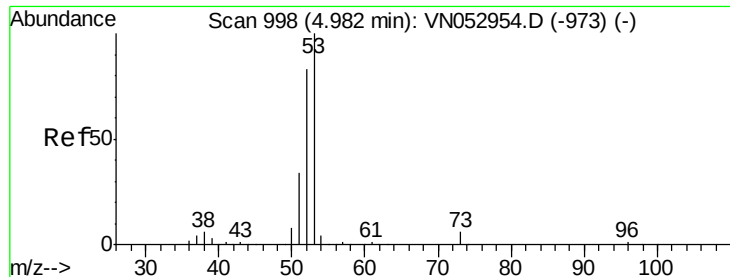
Ion Ratio Lower Upper

41 100

39 60.9 54.1 81.1

76 36.4 30.3 45.5





#15

Acrylonitrile

Concen: 99.848 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

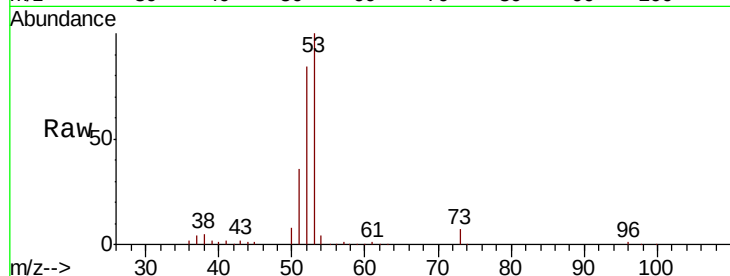
Tot Ion: 53 Resp: 372240

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)

4.99

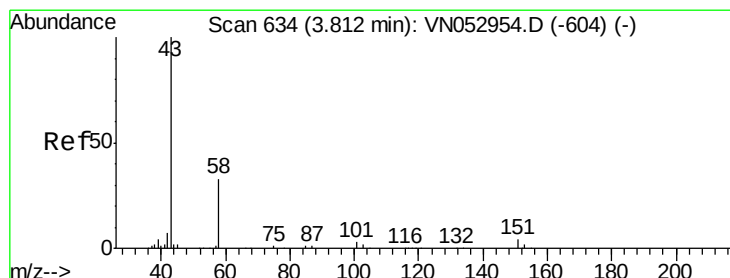
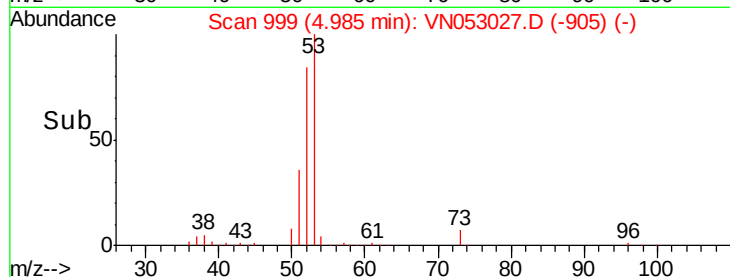
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 105.769 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053027.D

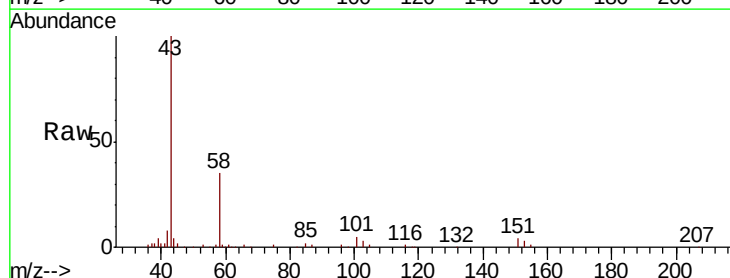
Acq: 19 Dec 2018 23:16

Tgt Ion: 43 Resp: 228079

Ion Ratio Lower Upper

43 100

58 34.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

3.82

100000

80000

60000

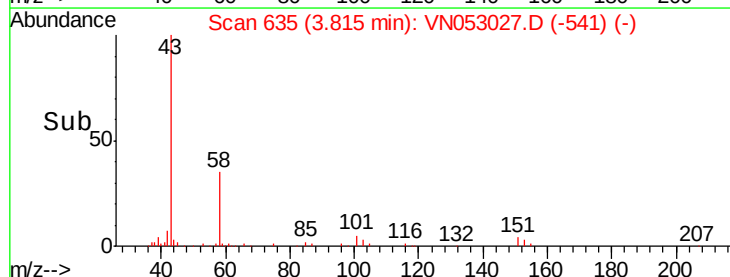
40000

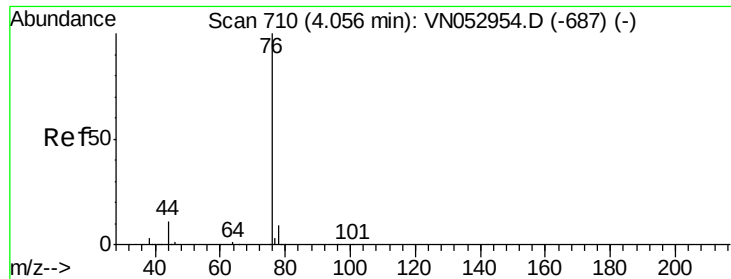
20000

0

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 17.483 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

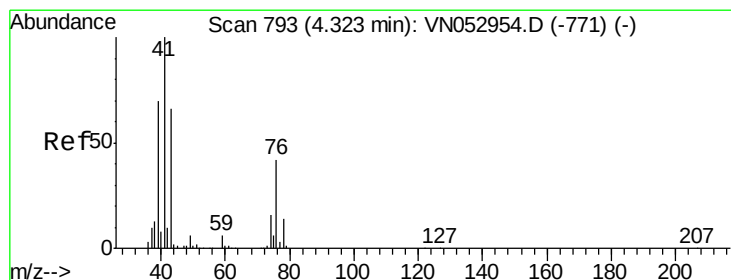
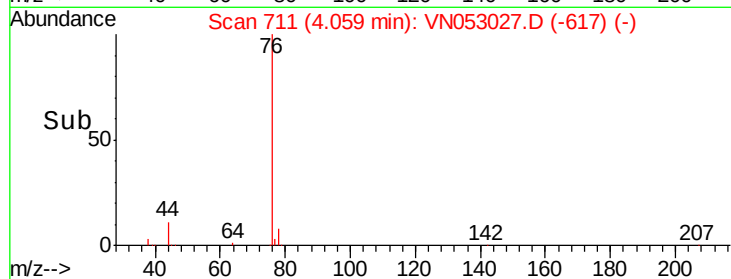
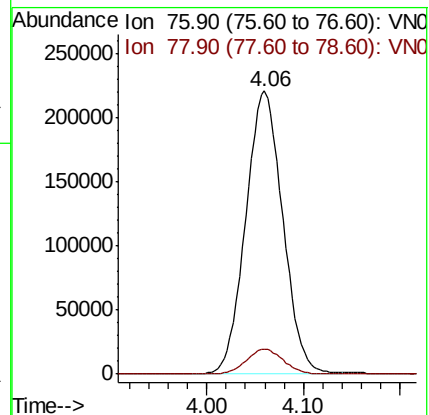
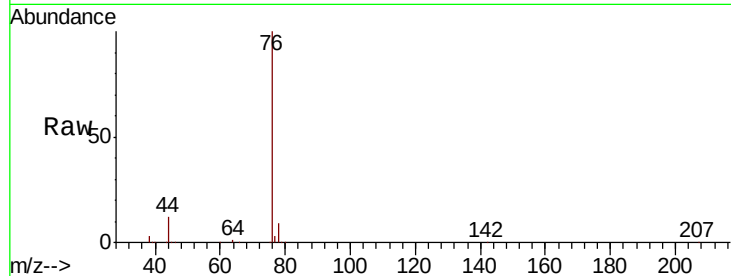
VN1219MBSD02

Tot Ion: 76 Resp: 588965

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



#18

Methyl Acetate

Concen: 19.971 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053027.D

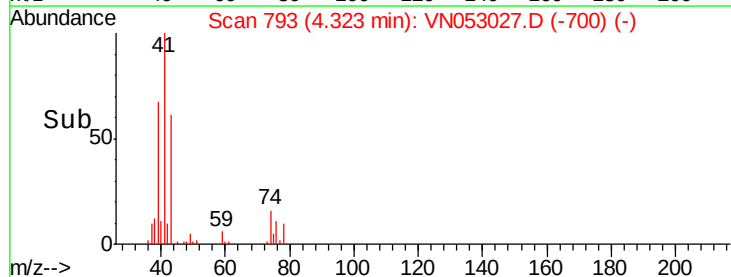
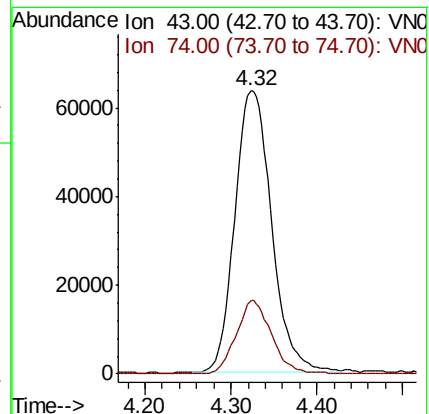
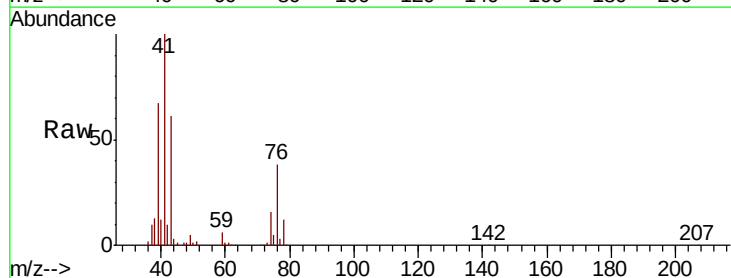
Acq: 19 Dec 2018 23:16

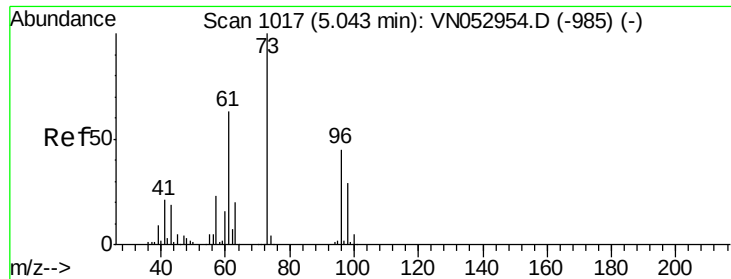
Tgt Ion: 43 Resp: 189515

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8

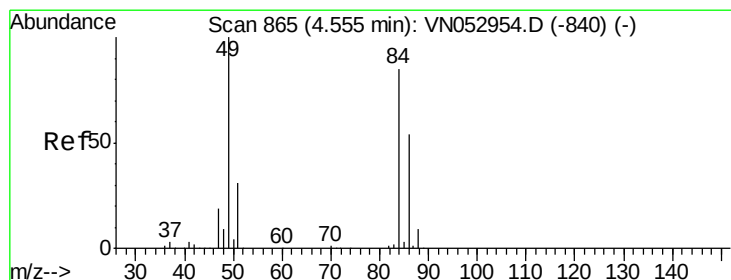
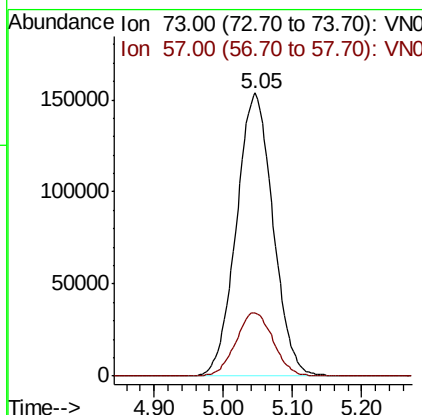
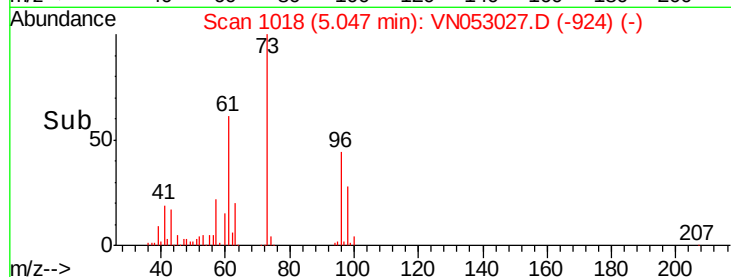
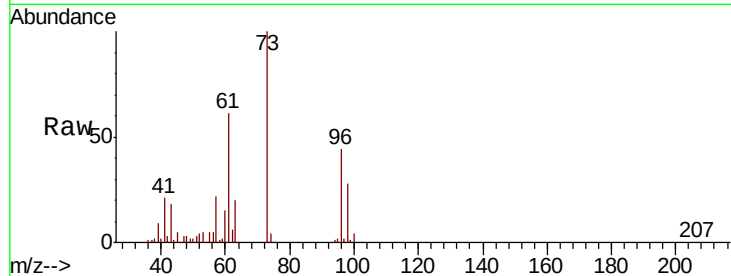




#19
Methvl tert-butyl Ether
Concen: 20.437 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

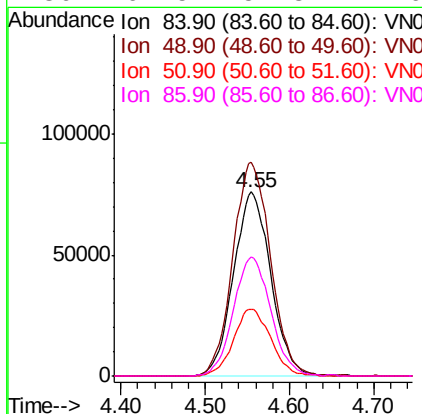
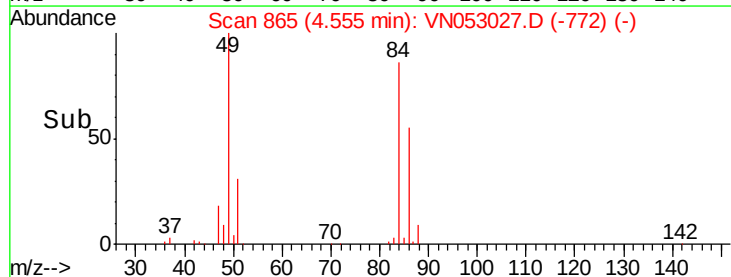
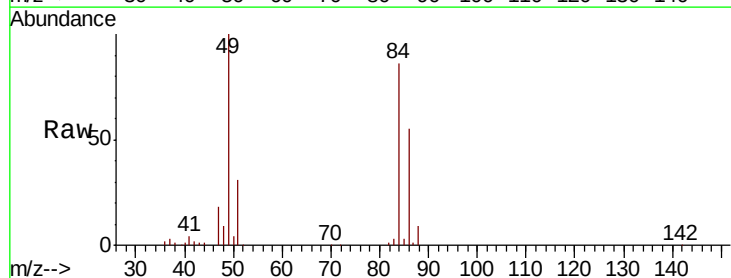
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

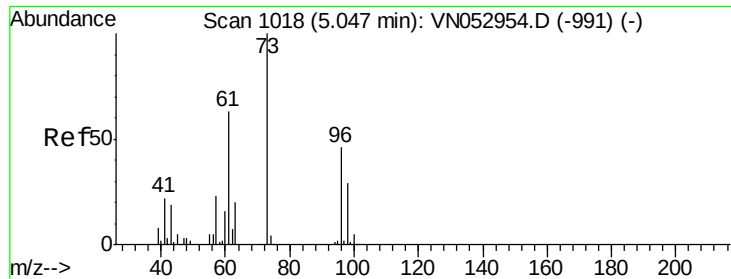
Tot Ion: 73 Resp: 564945
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.931 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 84 Resp: 234445
Ion Ratio Lower Upper
84 100
49 116.3 96.8 145.2
51 36.1 29.9 44.9
86 64.5 51.8 77.6

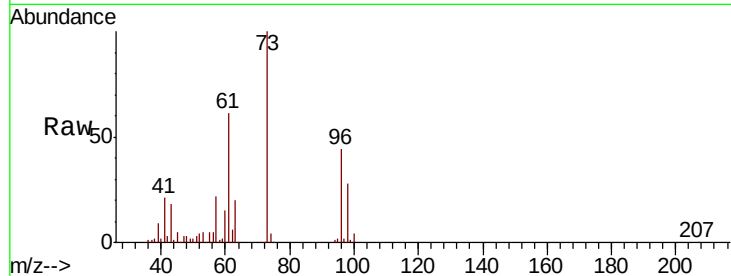




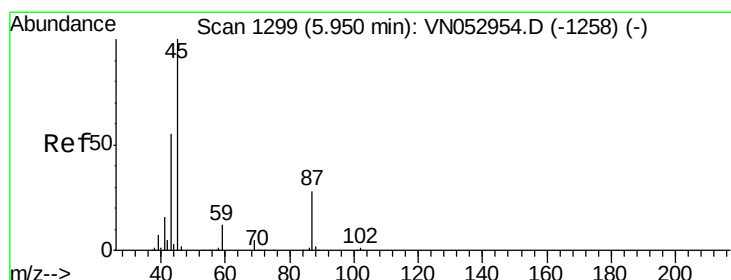
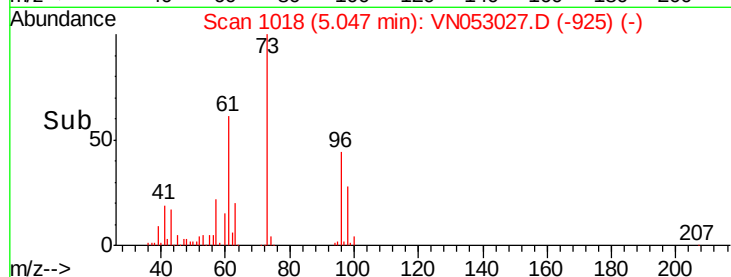
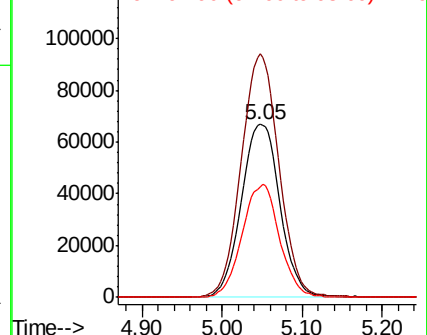
#21
trans-1,2-Dichloroethene
Concen: 19.754 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Tot Ion: 96 Resp: 219240
Ion Ratio Lower Upper
96 100
61 140.7 110.8 166.2
98 64.1 51.4 77.2

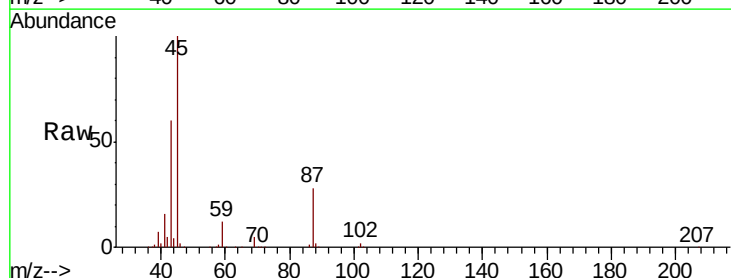


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

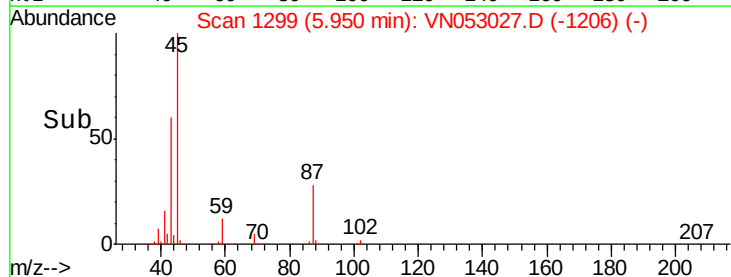
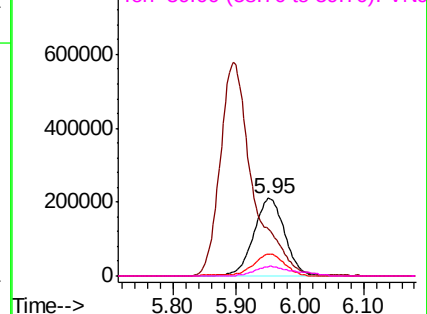


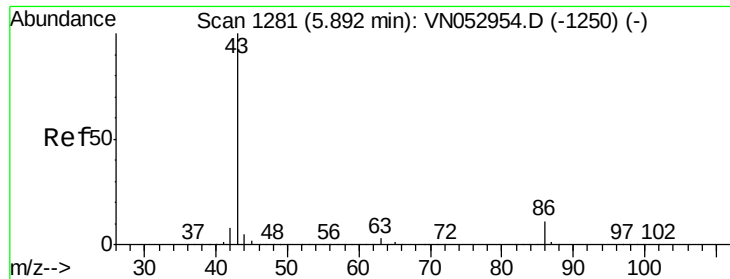
#22
Diisopropyl ether
Concen: 20.833 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 45 Resp: 711500
Ion Ratio Lower Upper
45 100
43 59.5 45.5 68.3
87 28.3 22.0 33.0
59 12.0 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: 104.724 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

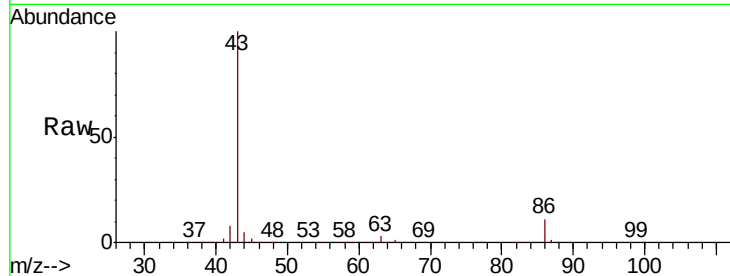
VN1219MBSD02

Tot Ion: 43 Resp: 2056668

Ion Ratio Lower Upper

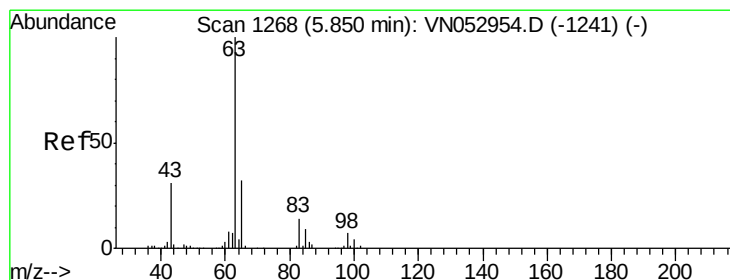
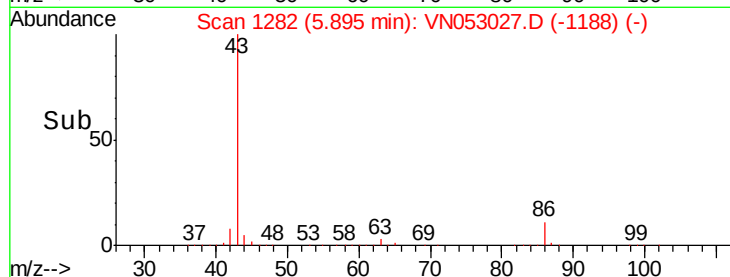
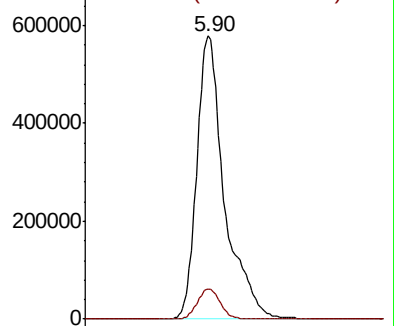
43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.382 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

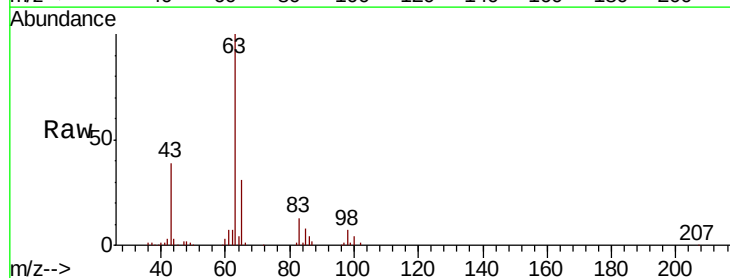
Tgt Ion: 63 Resp: 413634

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

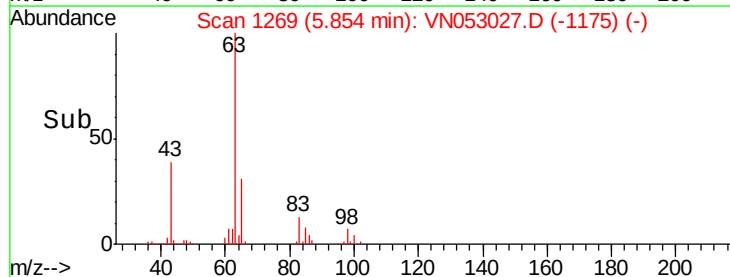
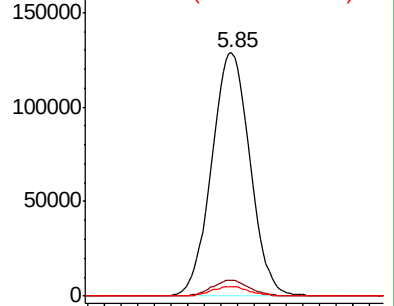
100 4.1 2.0 5.8

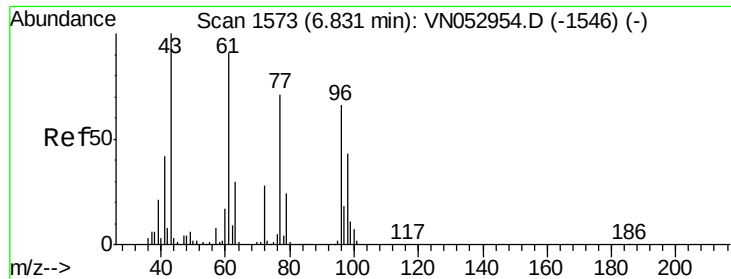


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

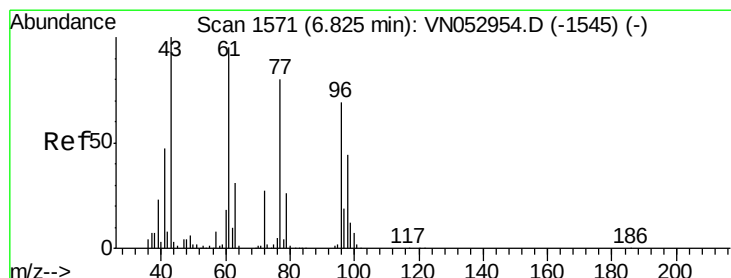
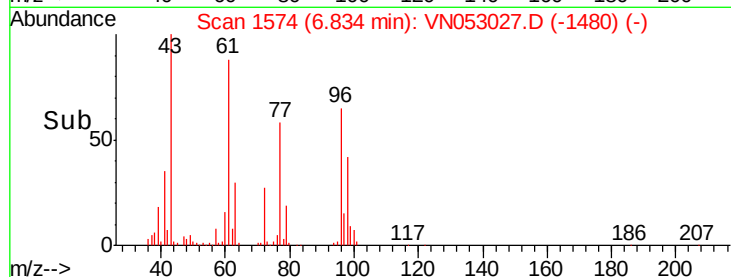
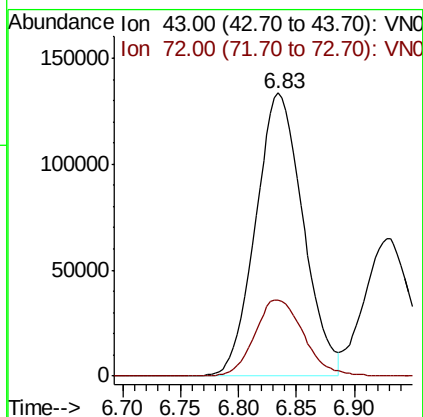
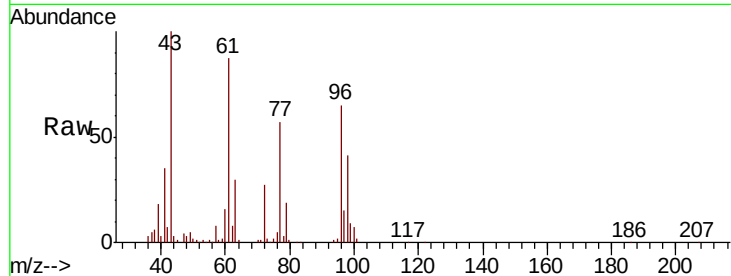




#25
2-Butanone
Concen: 104.548 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

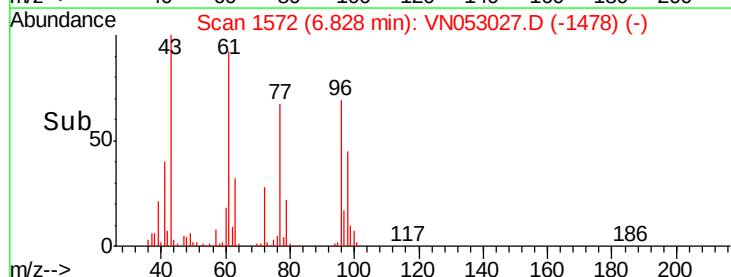
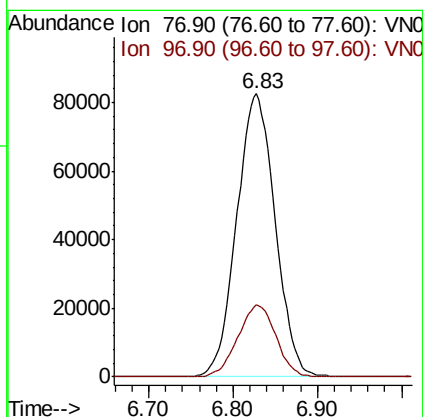
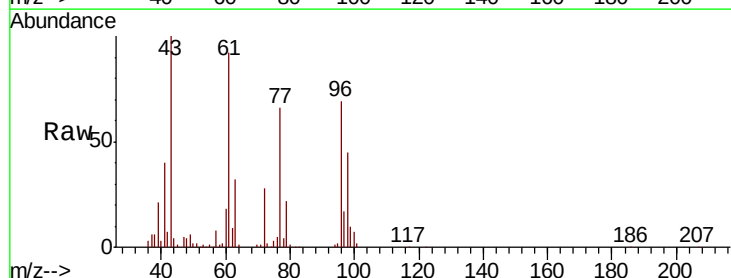
Instrument :
MSVOA_N
ClientSampleID :
VN1219MBSD02

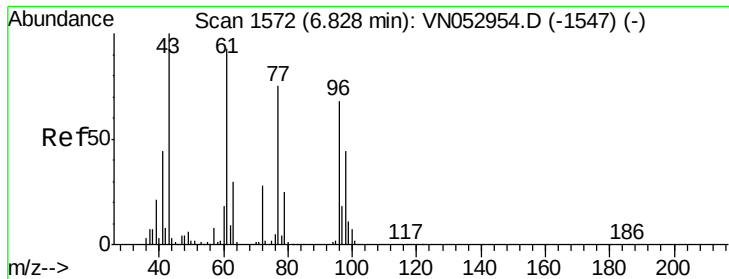
Tot Ion: 43 Resp: 378354
Ion Ratio Lower Upper
43 100
72 26.9 21.0 31.6



#26
2,2-Dichloropropane
Concen: 16.873 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 77 Resp: 261400
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.149 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

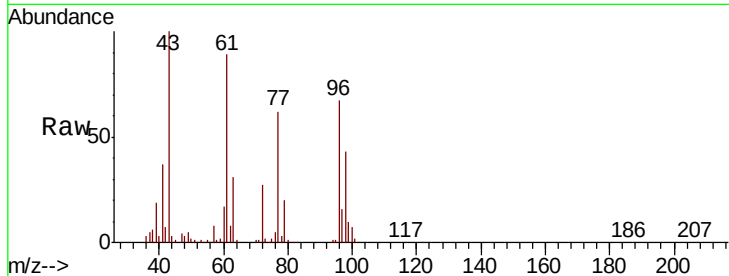
Tot Ion: 96 Resp: 253166

Ion Ratio Lower Upper

96 100

61 137.7 0.0 284.2

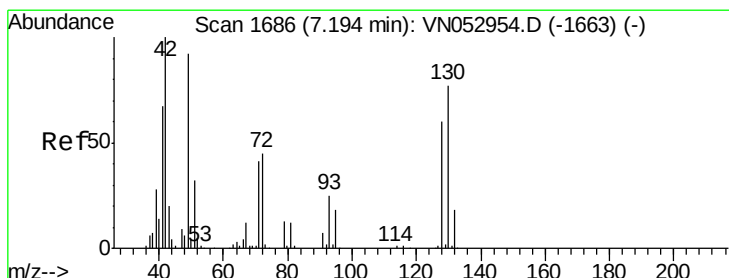
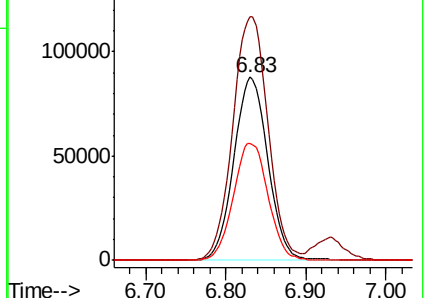
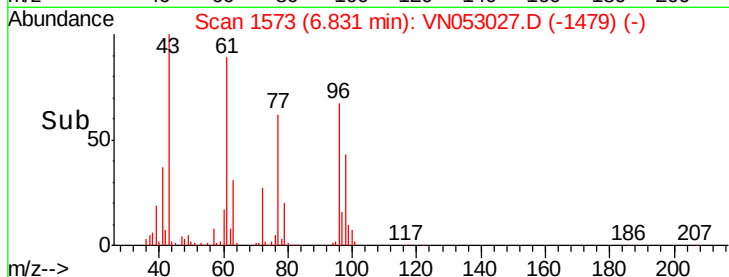
98 65.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.653 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

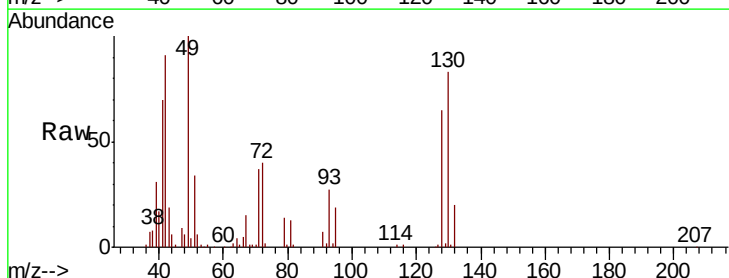
Tgt Ion: 49 Resp: 190421

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

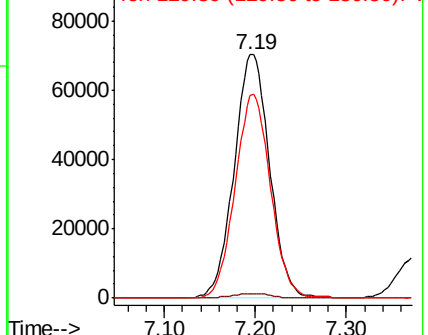
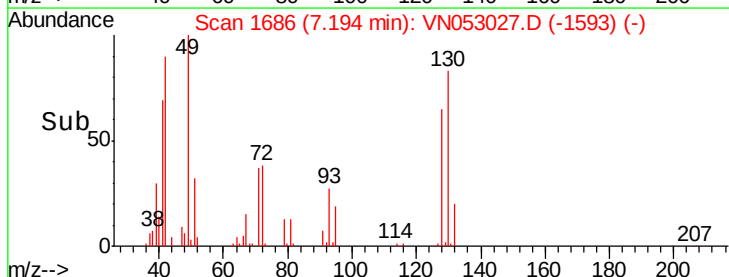
130 83.3 63.3 94.9

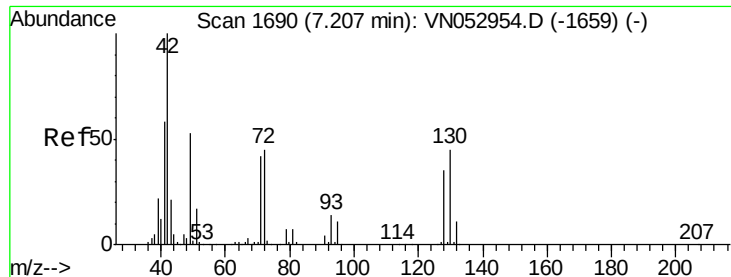


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

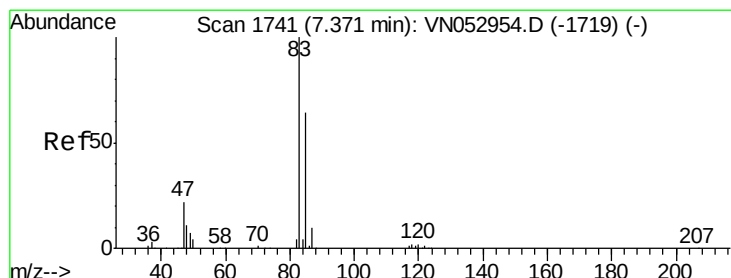
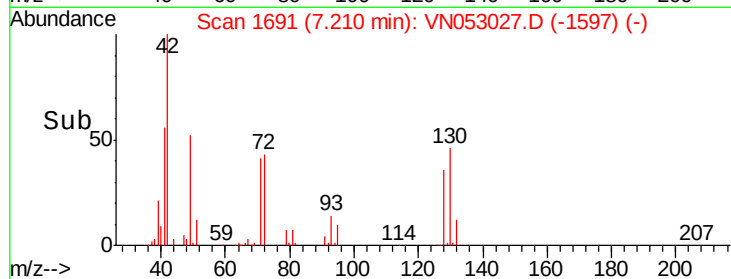
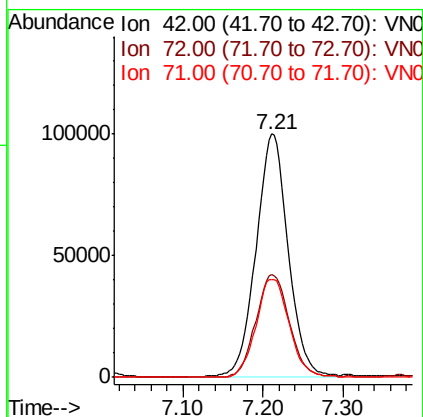
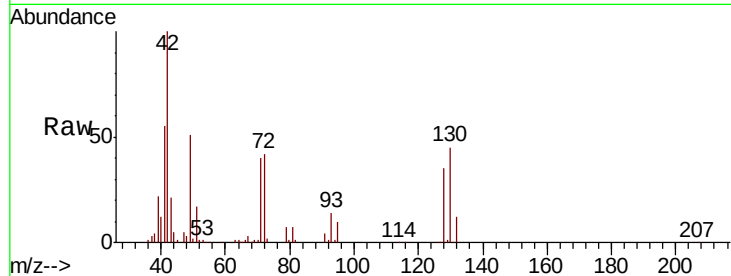




#29
Tetrahydrofuran
Concen: 101.907 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

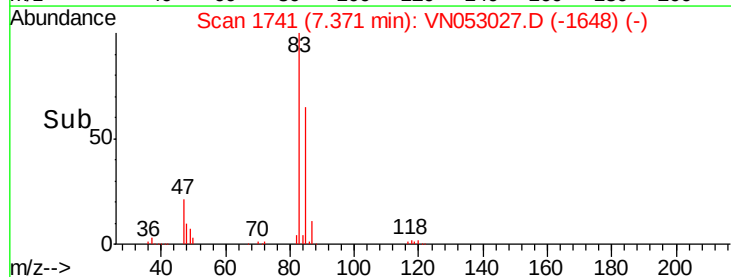
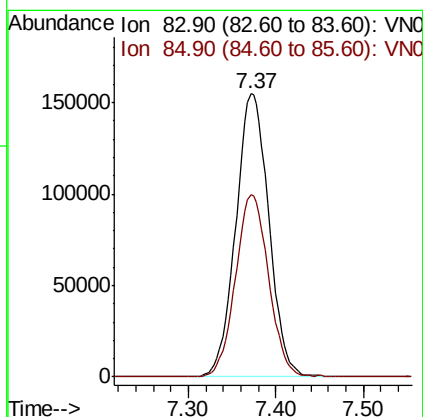
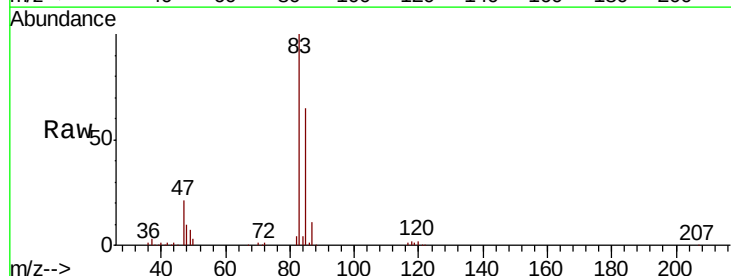
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

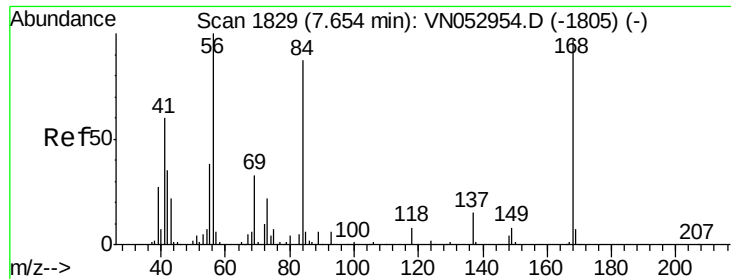
Tot Ion: 42 Resp: 275441
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 41.9 32.3 48.5



#30
Chloroform
Concen: 20.395 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 83 Resp: 406603
Ion Ratio Lower Upper
83 100
85 64.5 52.1 78.1

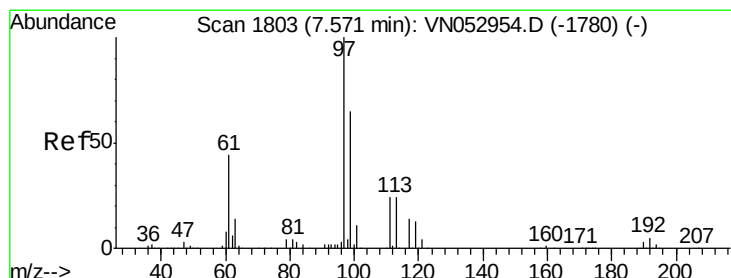
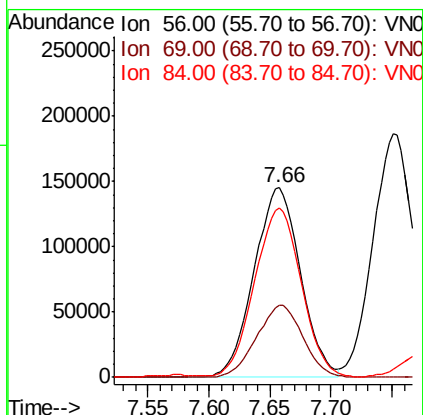
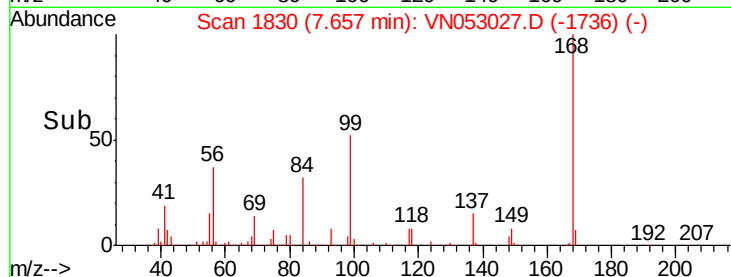
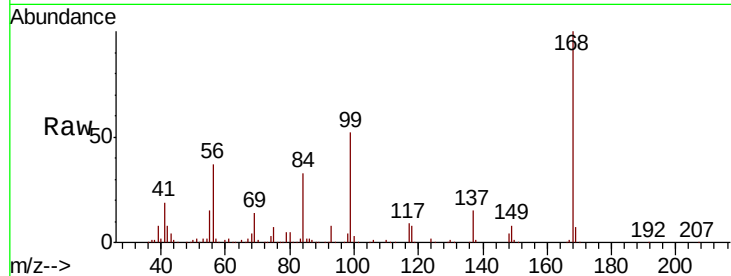




#31
Cyclohexane
Concen: 19.549 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

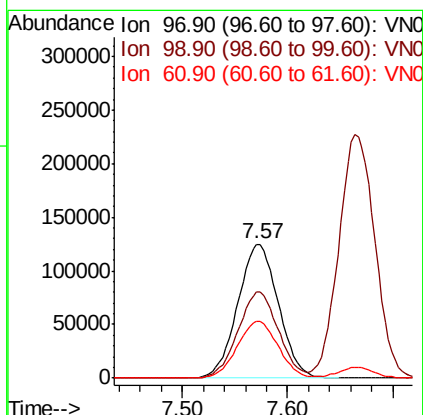
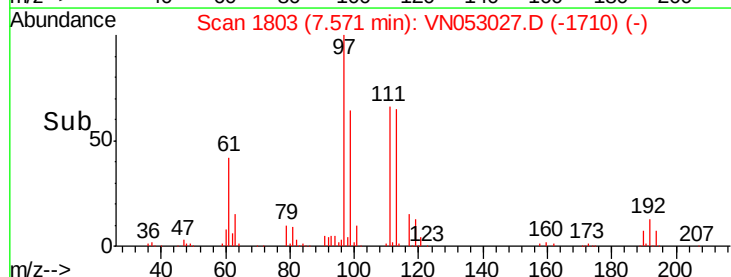
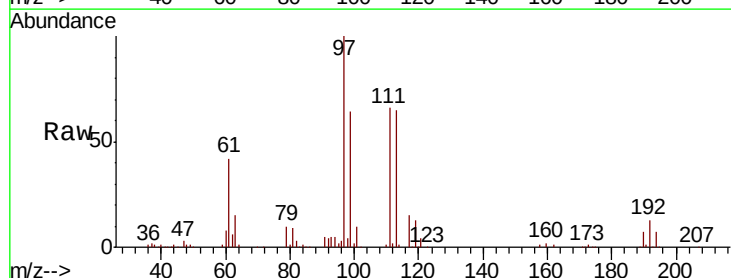
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

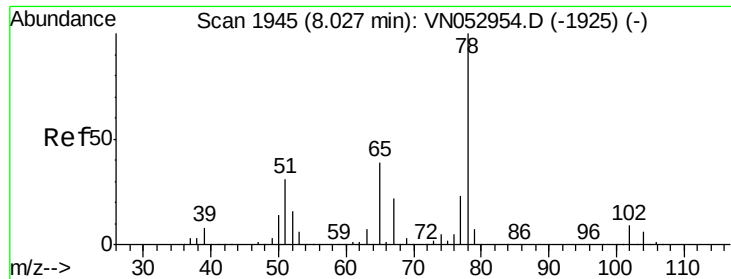
Tot Ion: 56 Resp: 384274
Ion Ratio Lower Upper
56 100
69 37.8 26.6 39.8
84 88.0 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 19.699 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 97 Resp: 334547
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 42.6 35.0 52.6

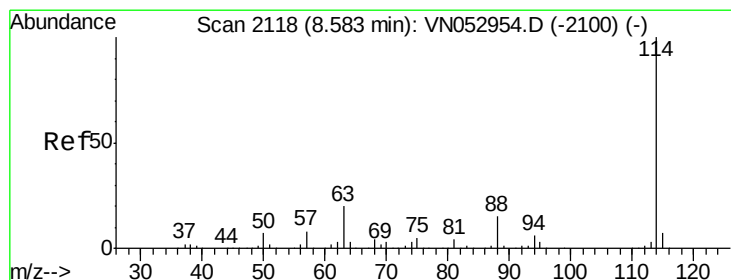
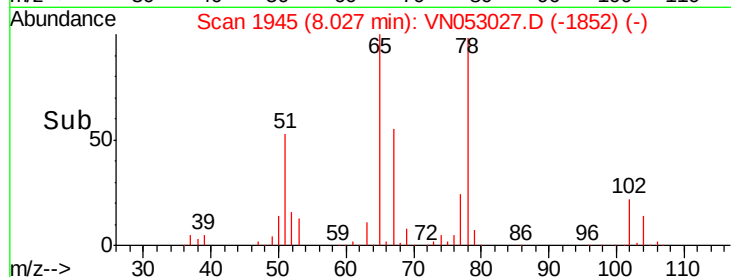
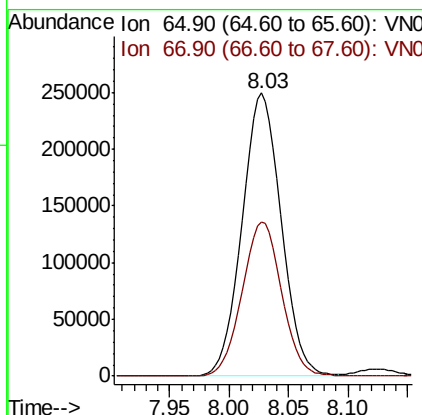
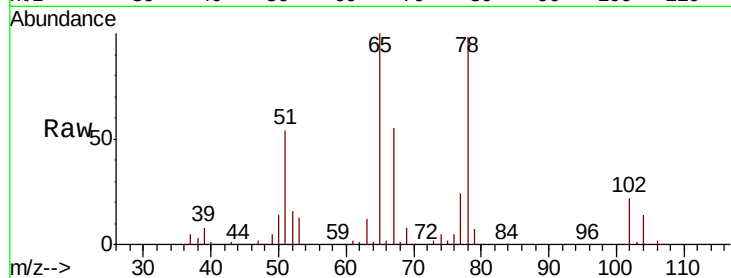




#33
 1,2-Dichloroethane-d4
 Concen: 19.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

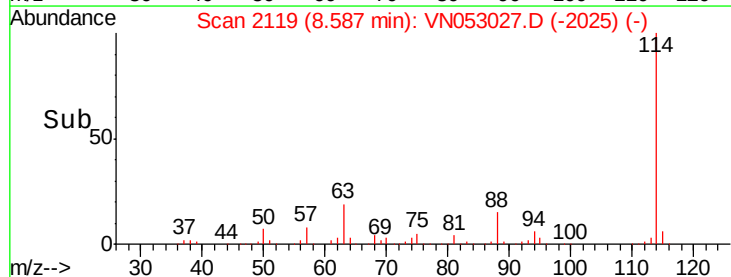
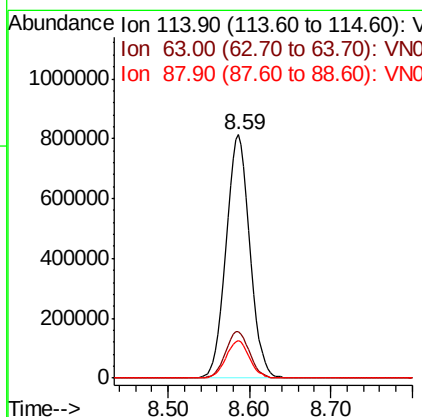
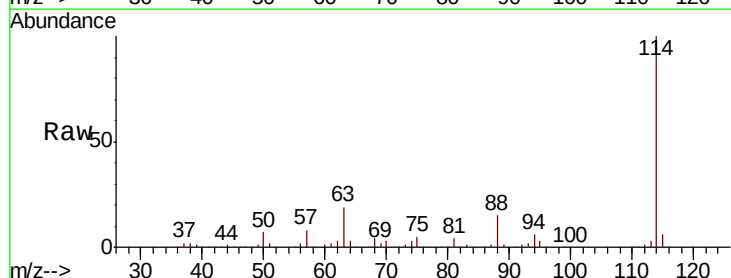
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219MBS02

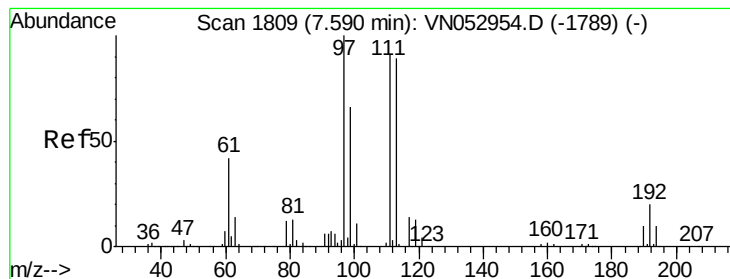
Tot Ion: 65 Resp: 568538
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion: 114 Resp: 1671351
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

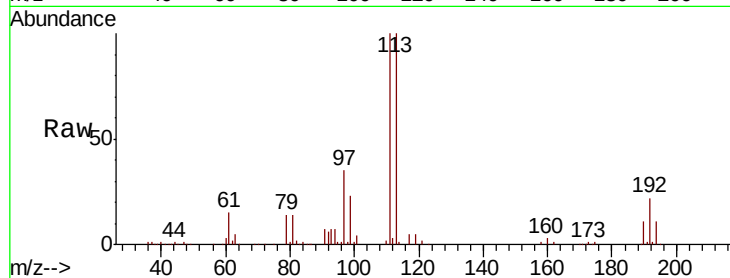
Tot Ion:113 Resp: 443734

Ion Ratio Lower Upper

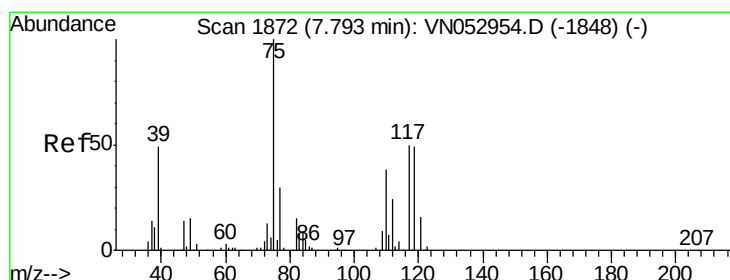
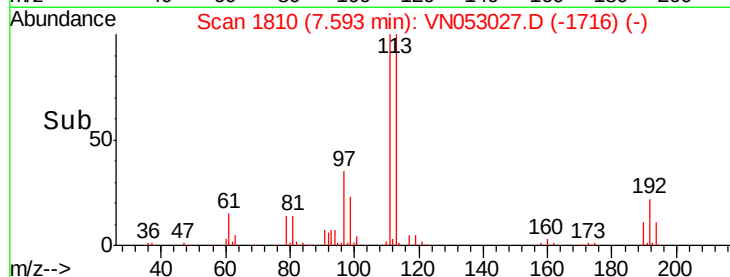
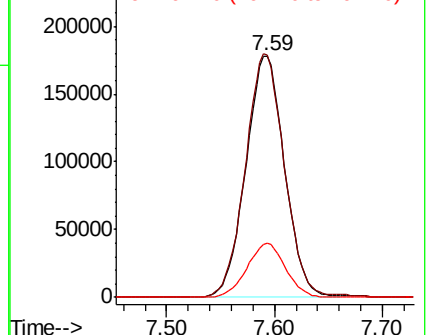
113 100

111 102.0 83.0 124.4

192 22.3 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: 19.461 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

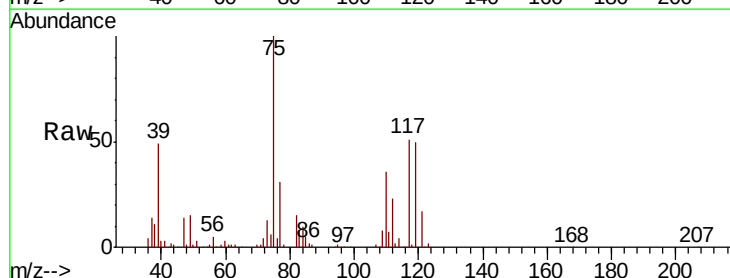
Tgt Ion: 75 Resp: 312199

Ion Ratio Lower Upper

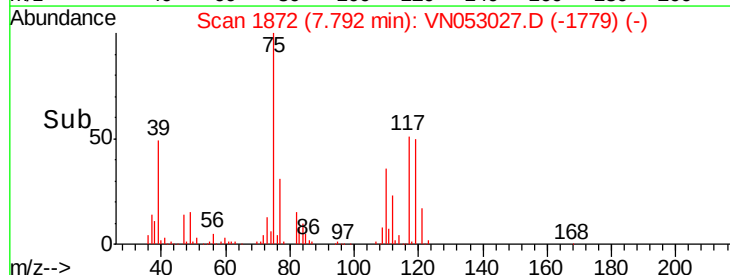
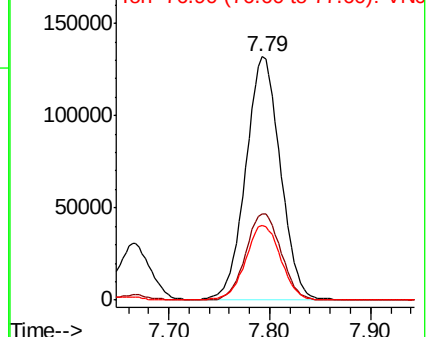
75 100

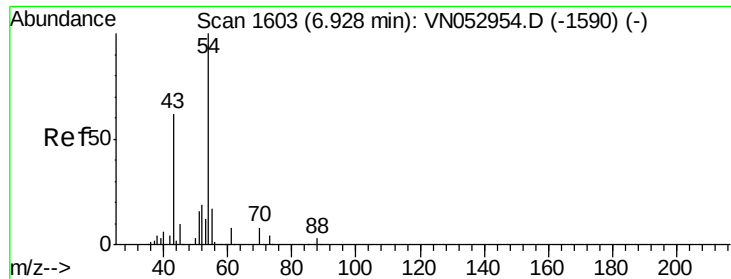
110 36.4 18.2 54.6

77 31.4 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

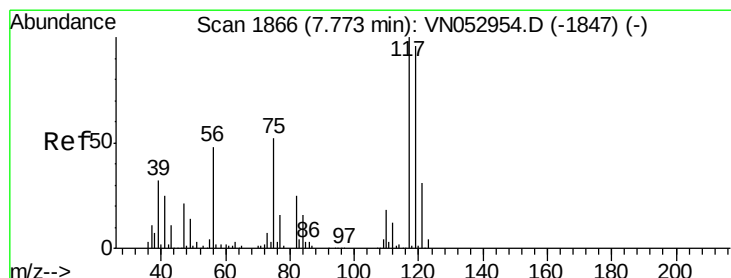
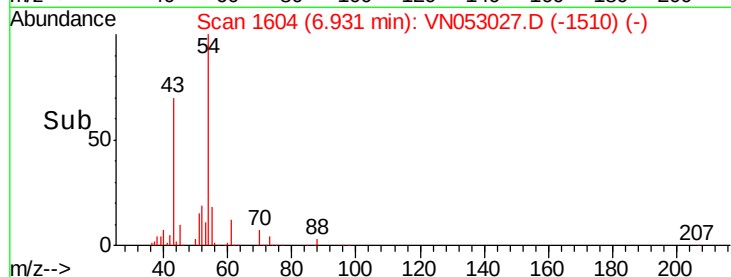
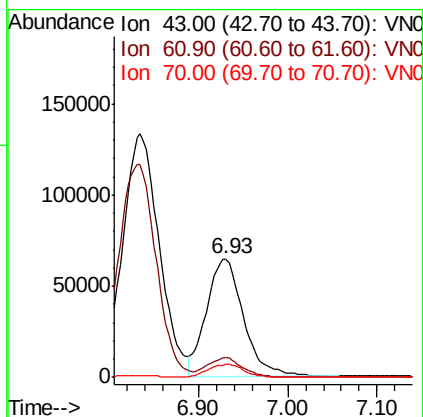
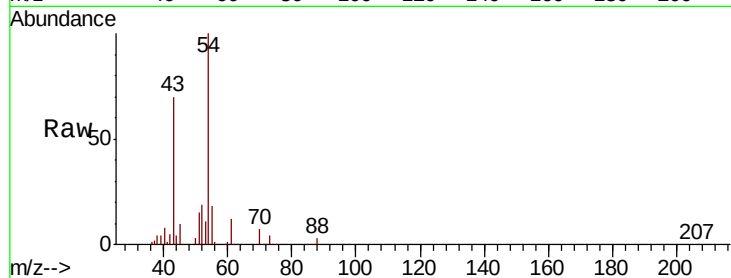




#37
Ethyl Acetate
Concen: 20.729 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

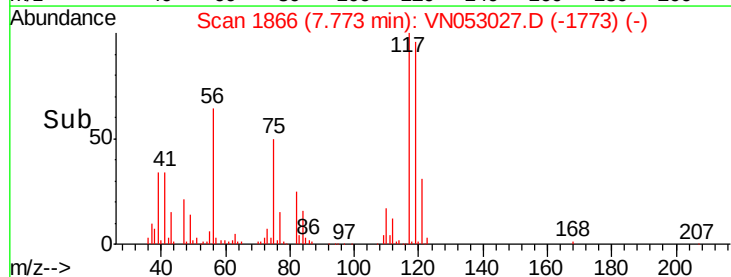
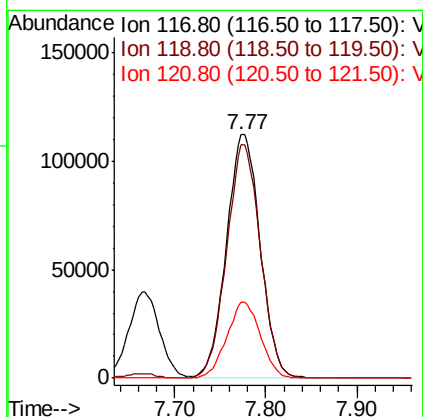
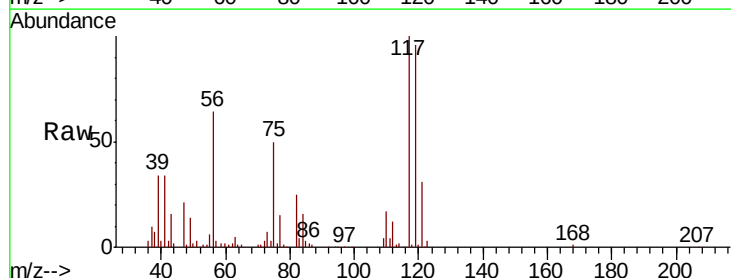
Instrument :
MSVOA_N
ClientSampled :
VN1219MBS02

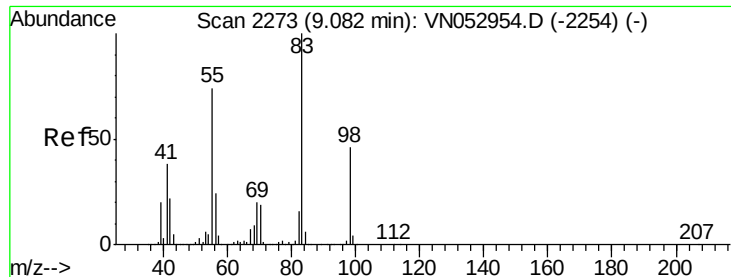
Tot Ion: 43 Resp: 185635
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.752 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 117 Resp: 290435
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 31.1 24.9 37.3

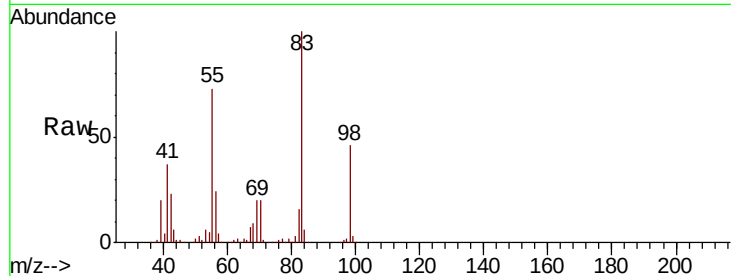




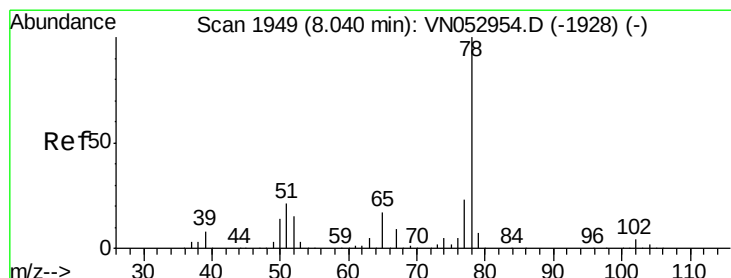
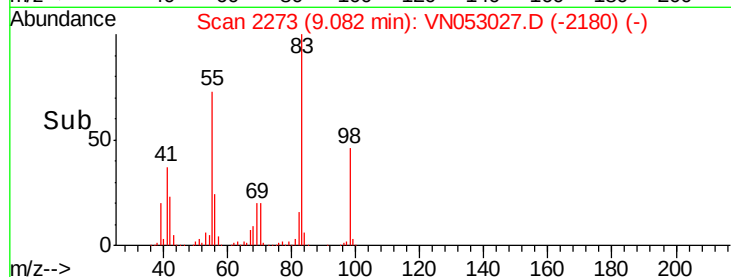
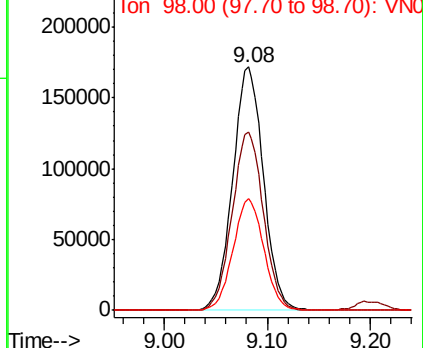
#39
Methylvlcyclohexane
Concen: 18.303 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Tot Ion: 83 Resp: 356694
Ion Ratio Lower Upper
83 100
55 73.4 61.3 91.9
98 45.9 37.0 55.4

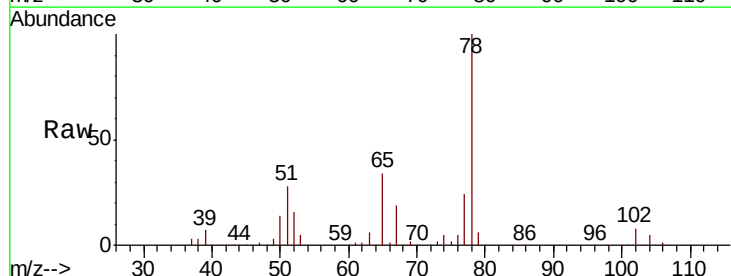


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

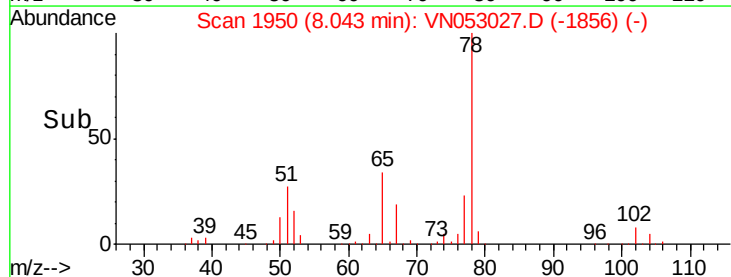
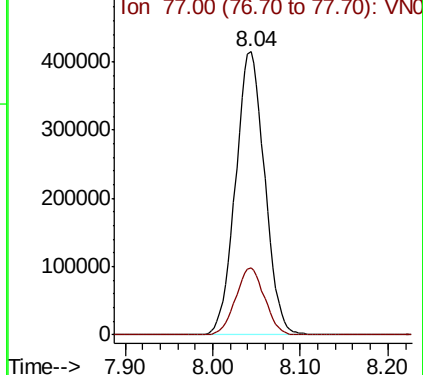


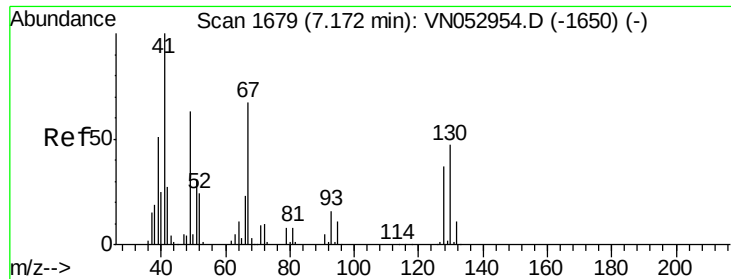
#40
Benzene
Concen: 20.072 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 78 Resp: 957768
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7



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

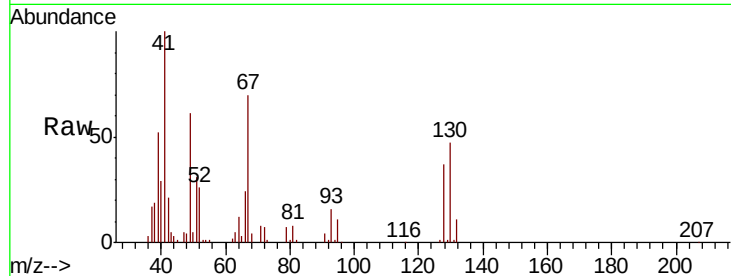




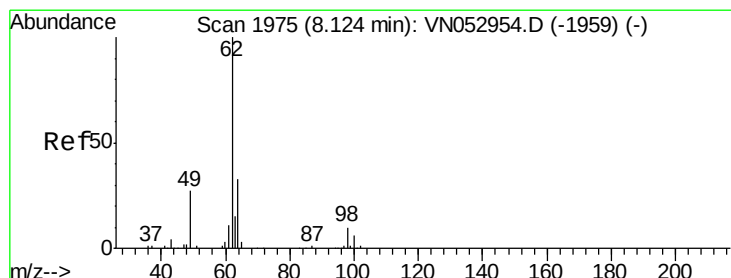
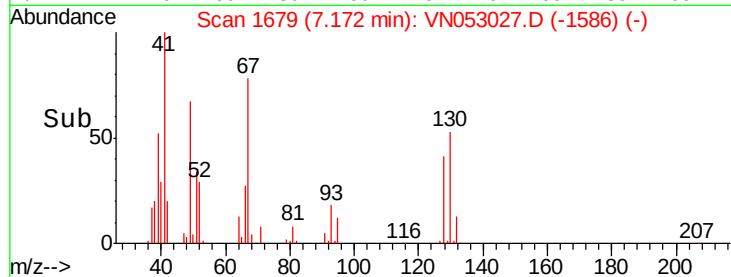
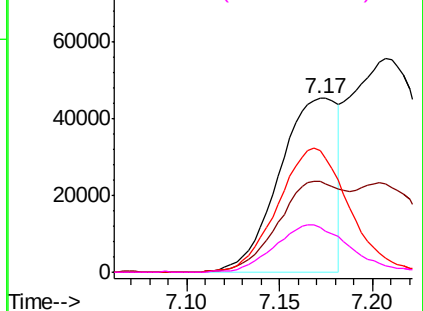
#41
Methacrylonitrile
Concen: 19.123 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Tot Ion:	41	Resp:	98948
Ion	Ratio	Lower	Upper
41	100		
39	60.4	48.0	72.0
67	87.9	70.3	105.5
52	35.3	26.9	40.3

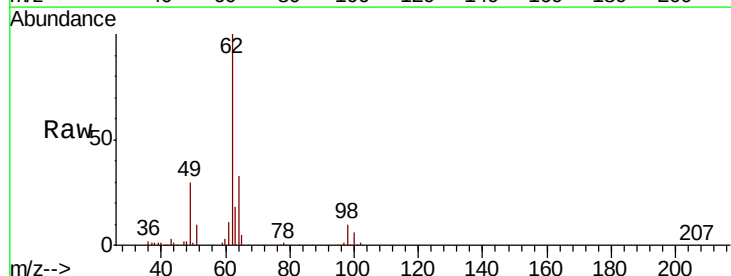


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

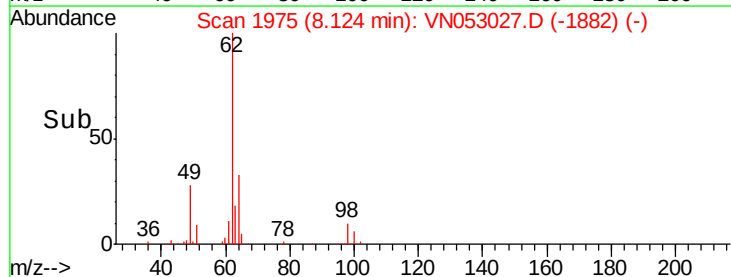
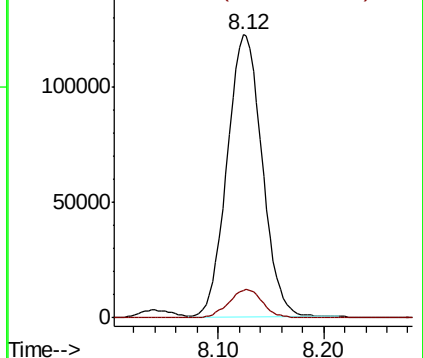


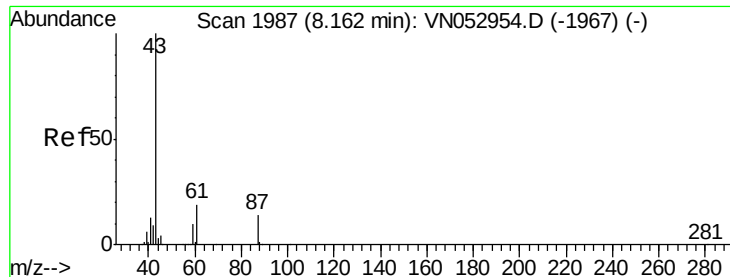
#42
1,2-Dichloroethane
Concen: 19.966 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion:	62	Resp:	281443
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 19.757 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

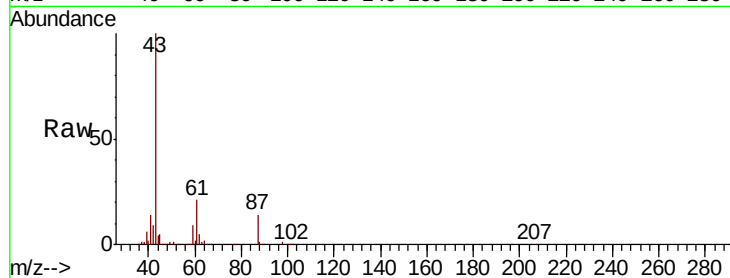
Tot Ion: 43 Resp: 353344

Ion Ratio Lower Upper

43 100

61 28.3 22.9 34.3

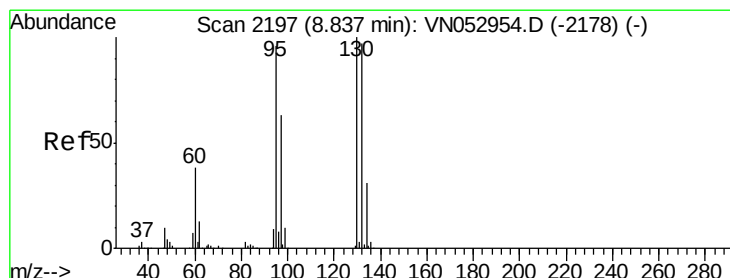
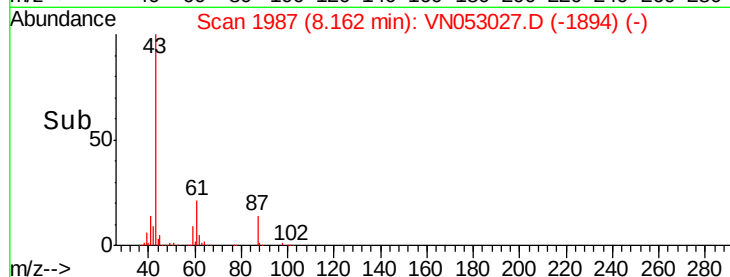
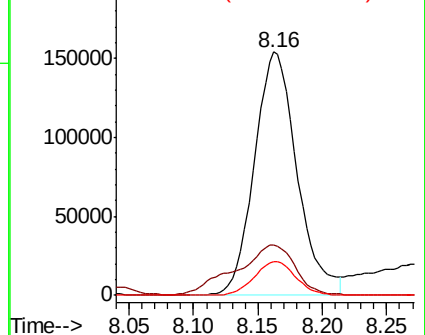
87 13.5 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053027.D (-2104) (-)

Ion 61.00 (60.70 to 61.70): VN053027.D (-2104) (-)

Ion 87.00 (86.70 to 87.70): VN053027.D (-2104) (-)



#44

Trichloroethene

Concen: 19.184 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053027.D

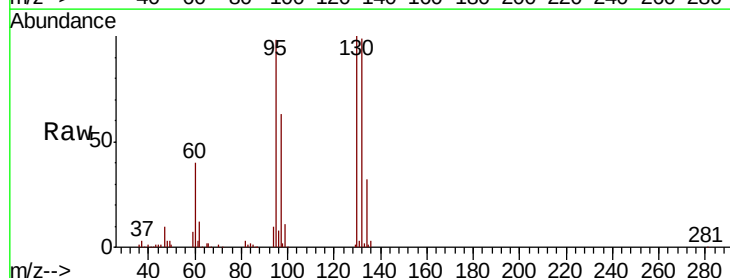
Acq: 19 Dec 2018 23:16

Tgt Ion:130 Resp: 264765

Ion Ratio Lower Upper

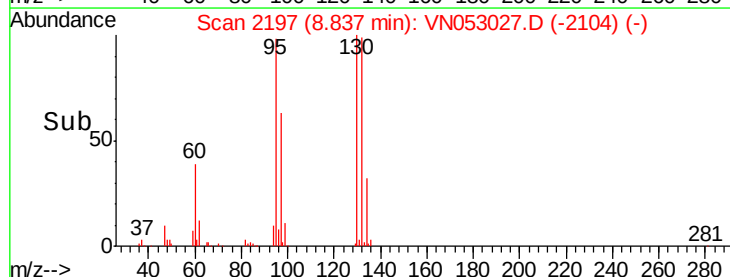
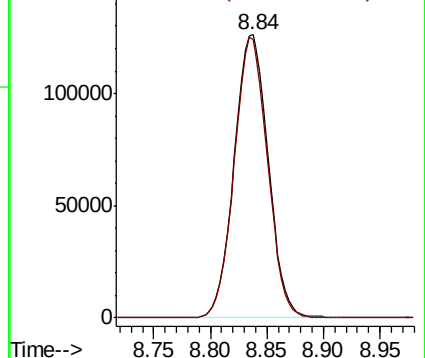
130 100

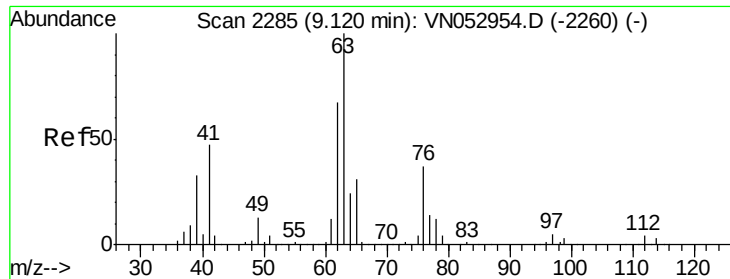
95 98.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053027.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053027.D (-2104) (-)

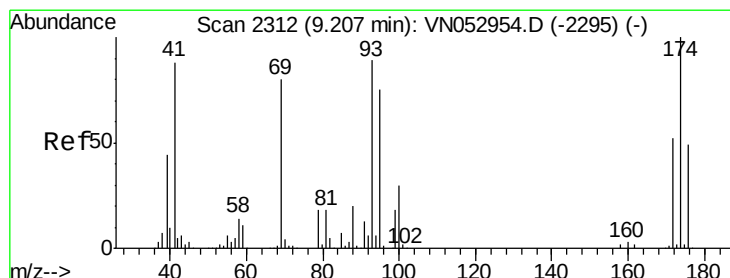
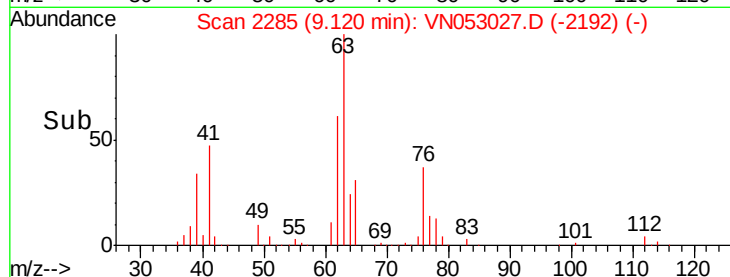
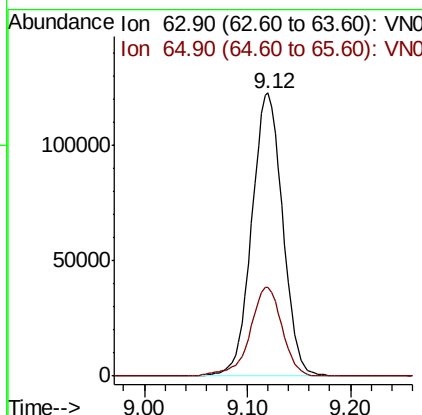
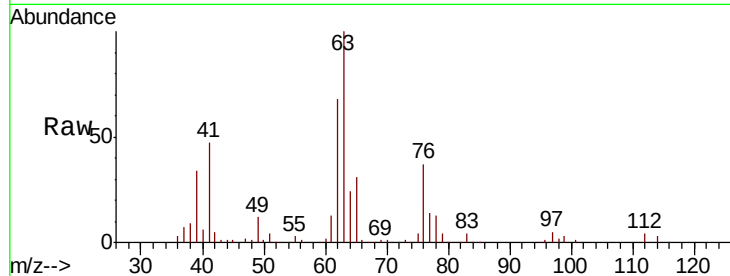




#45
 1,2-Dichloropropane
 Concen: 20.458 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

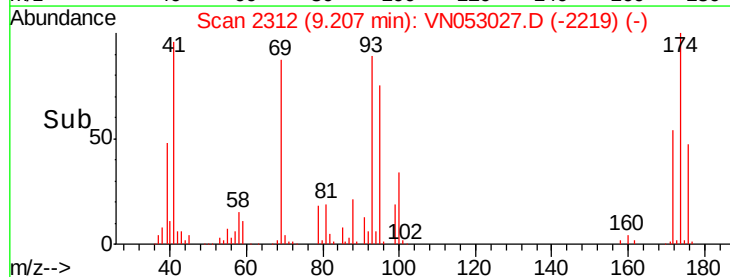
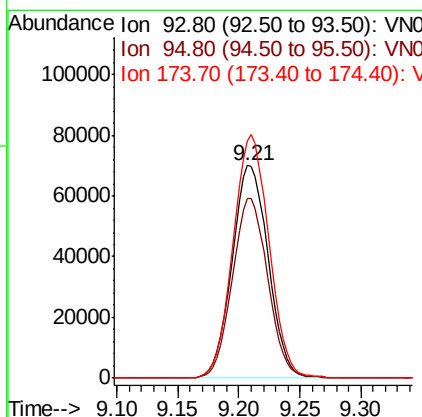
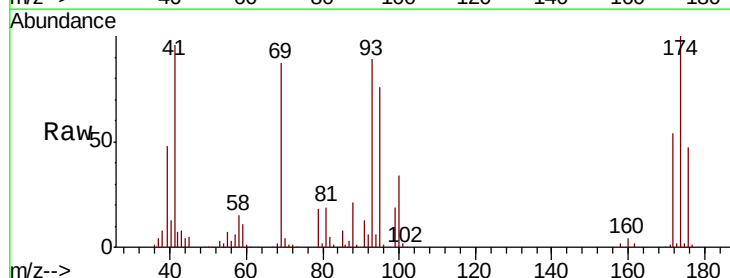
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

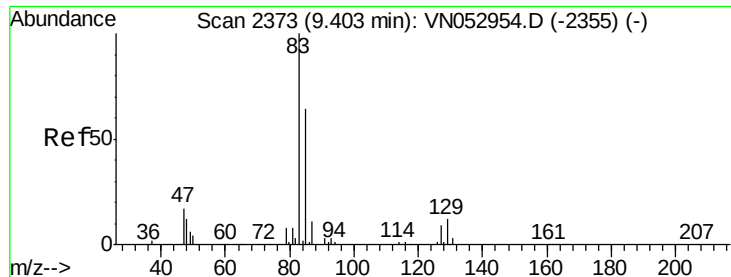
Tot Ion: 63 Resp: 254270
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0



#46
 Dibromomethane
 Concen: 19.942 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion: 93 Resp: 144387
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.8 101.6
 174 113.3 89.0 133.4

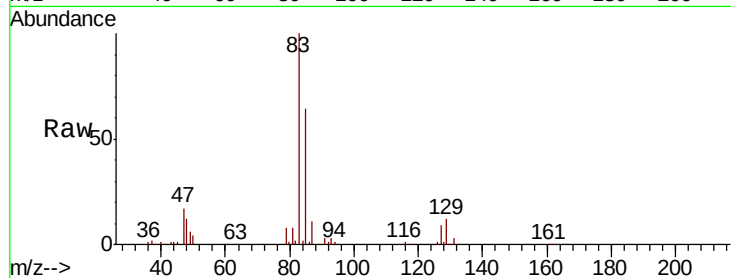




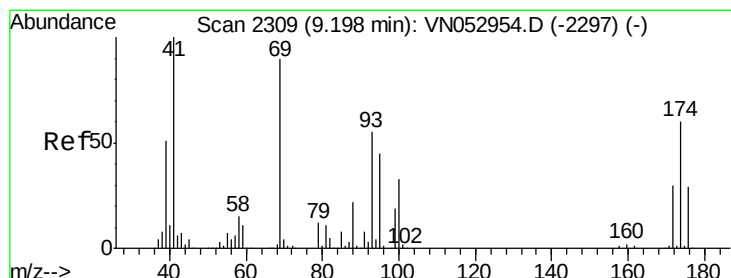
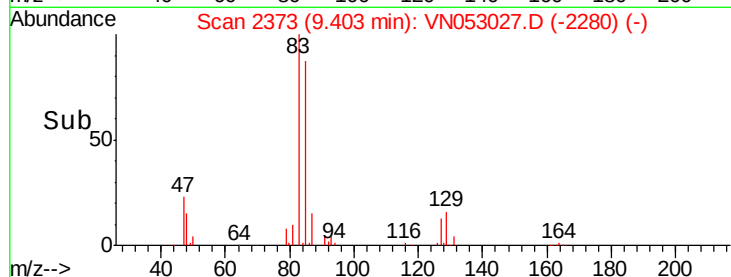
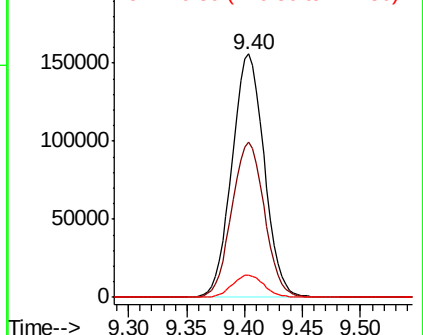
#47
Bromodichloromethane
Concen: 19.587 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Tot Ion: 83 Resp: 301455
Ion Ratio Lower Upper
83 100
85 63.7 51.6 77.4
127 9.2 7.1 10.7

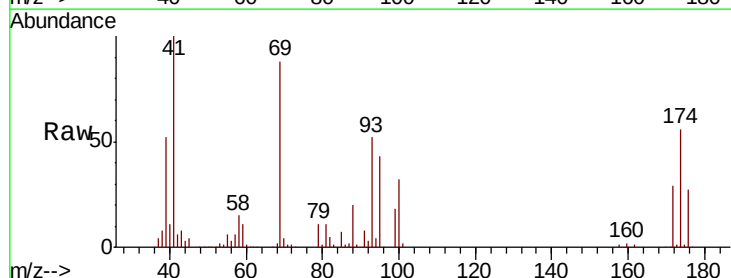


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

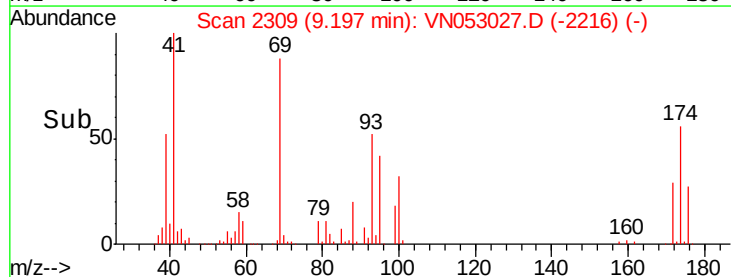
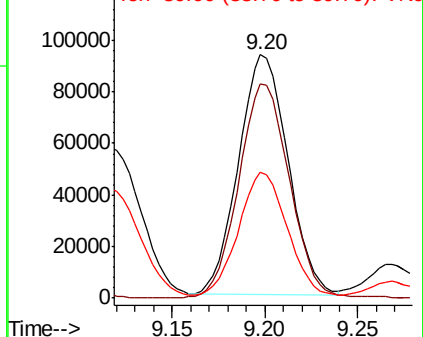


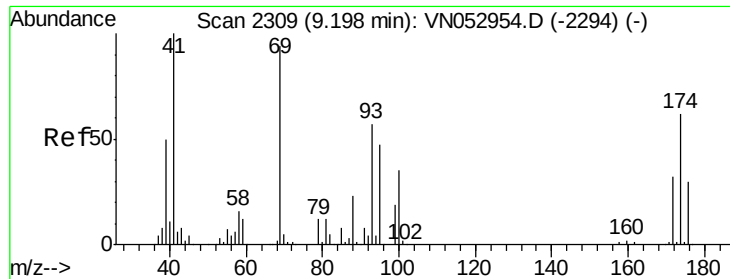
#48
Methyl methacrylate
Concen: 19.819 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 41 Resp: 172232
Ion Ratio Lower Upper
41 100
69 92.0 72.2 108.2
39 52.9 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

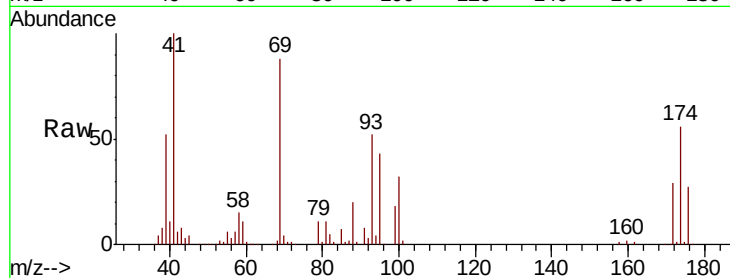




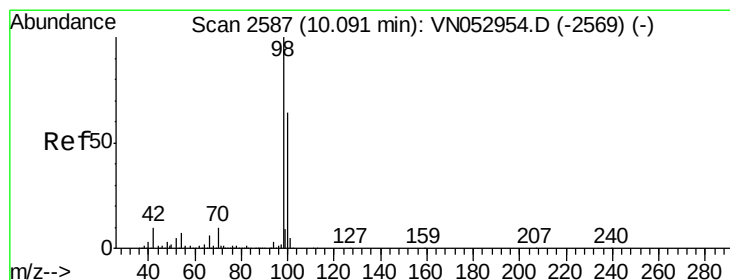
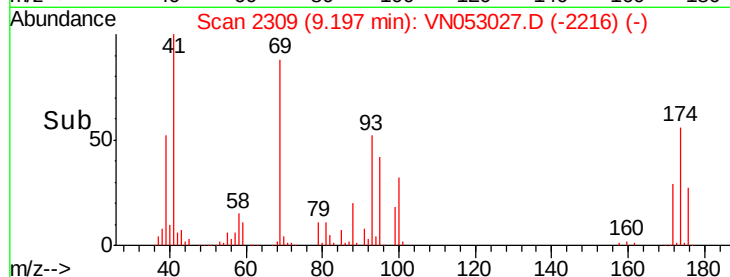
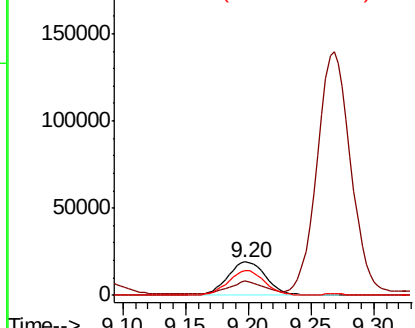
#49
1,4-Dioxane
Concen: 373.004 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS02

Tot Ion: 88 Resp: 41003
Ion Ratio Lower Upper
88 100
43 33.3 26.6 40.0
58 70.3 58.4 87.6

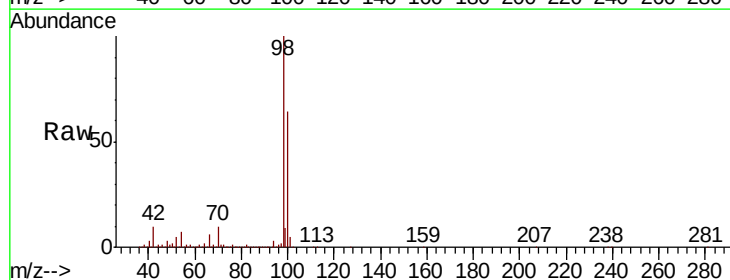


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

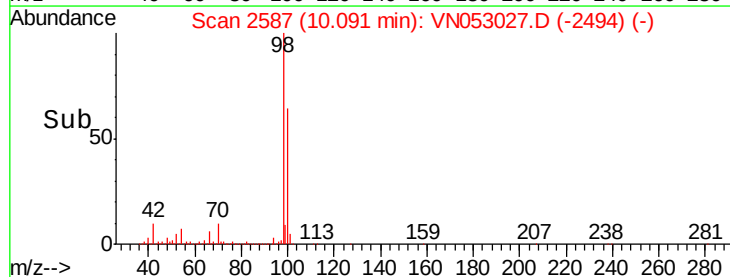
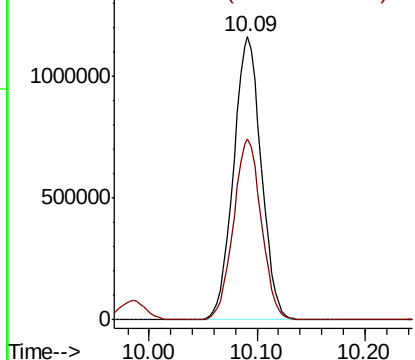


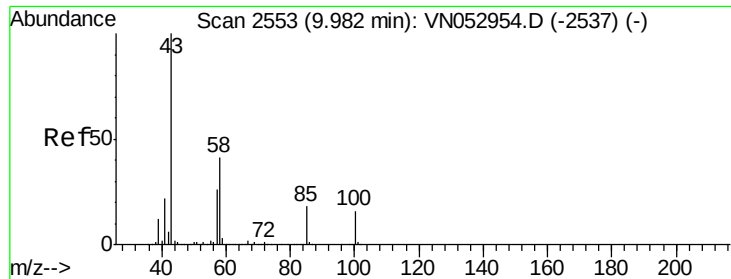
#50
Toluene-d8
Concen: 373.004 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 98 Resp: 2084412
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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

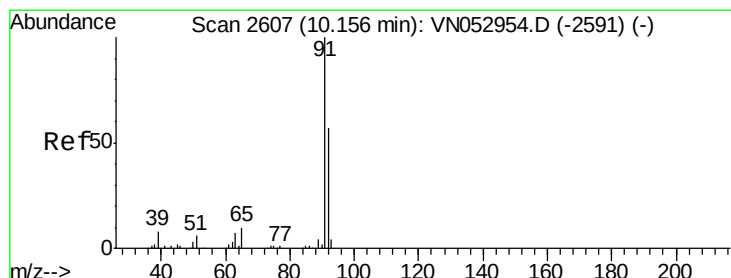
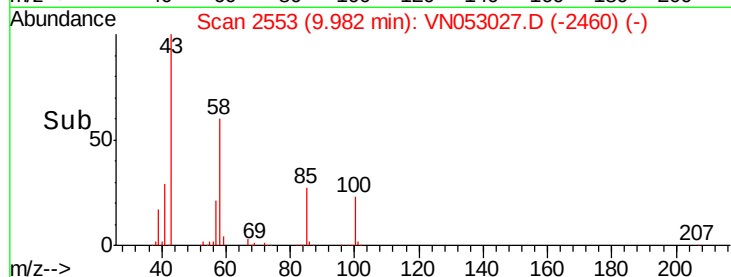
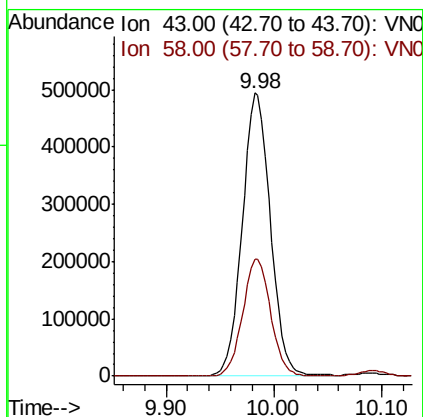
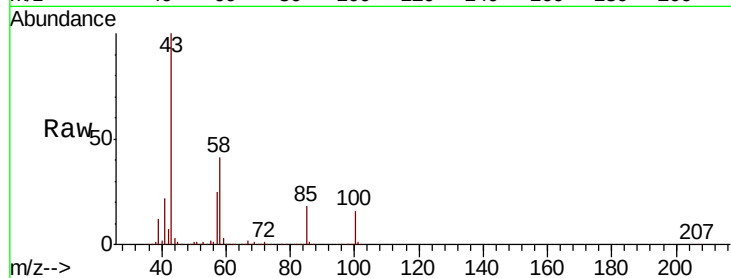




#51
 4-Methyl-2-Pentanone
 Concen: 102.766 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

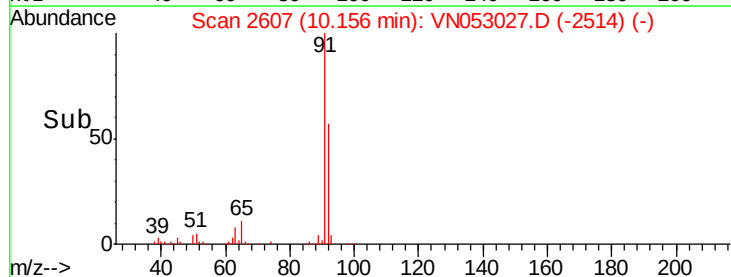
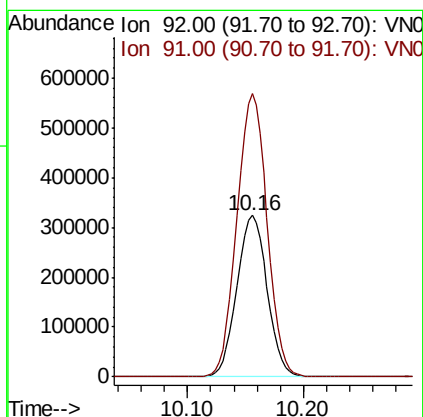
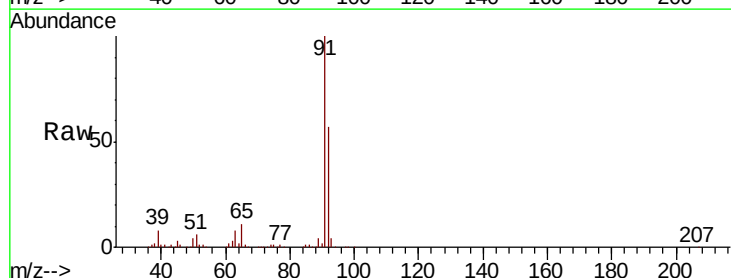
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

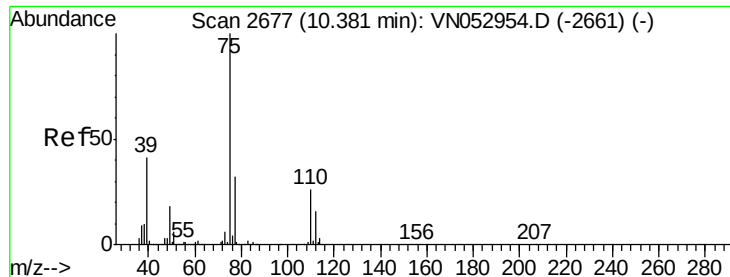
Tot Ion: 43 Resp: 891260
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.2 48.4



#52
 Toluene
 Concen: 19.831 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion: 92 Resp: 586527
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.597 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

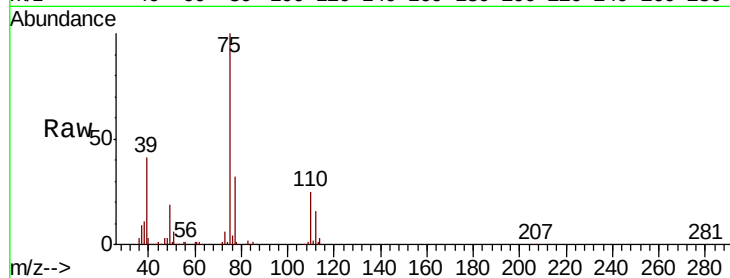
VN1219MBSD02

Tot Ion: 75 Resp: 300970

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

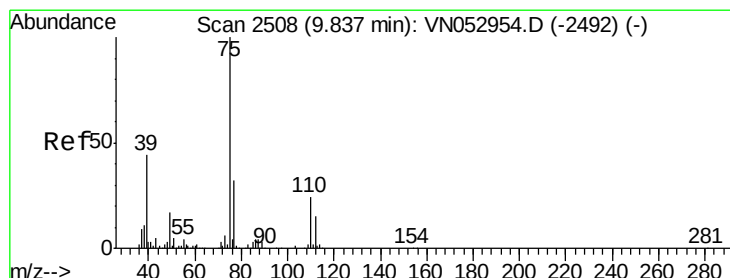
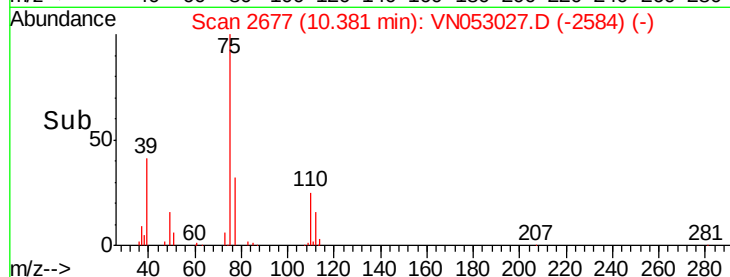
150000

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.039 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

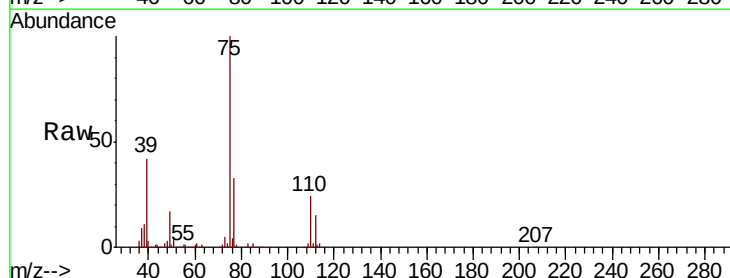
Tgt Ion: 75 Resp: 353684

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

39 42.1 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

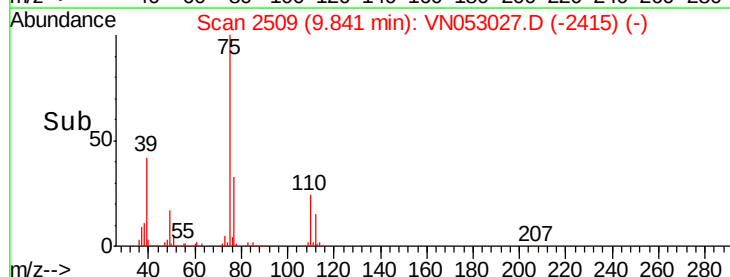
150000

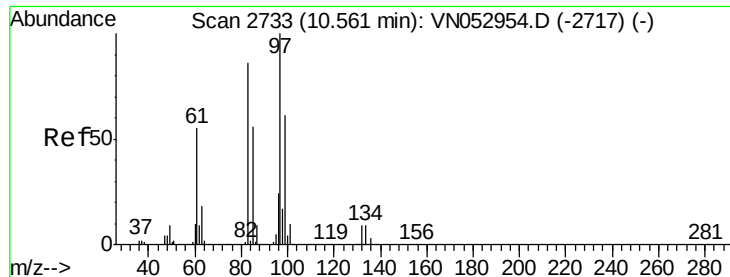
100000

50000

0

Time--> 9.75 9.80 9.85 9.90

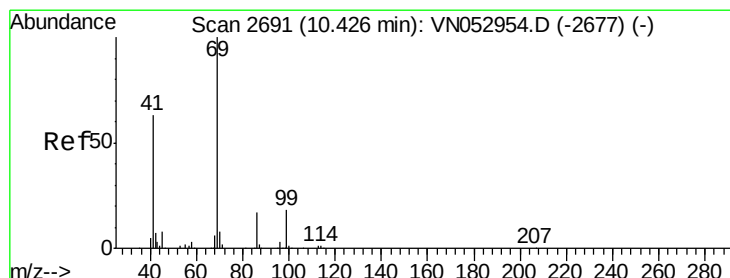
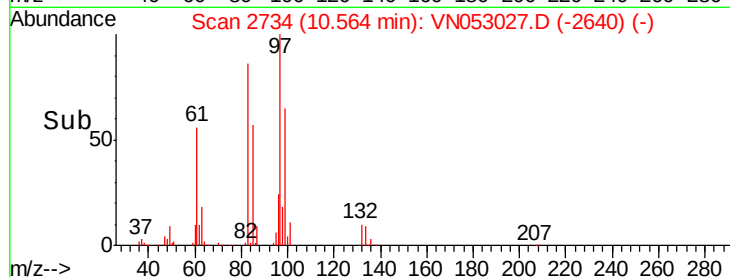
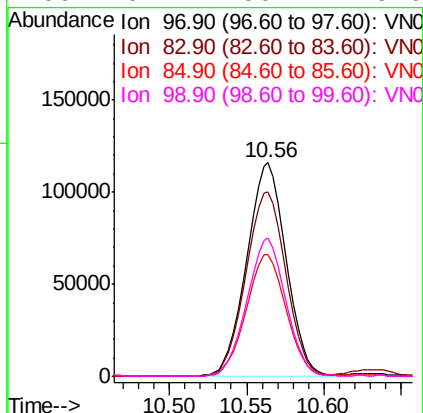
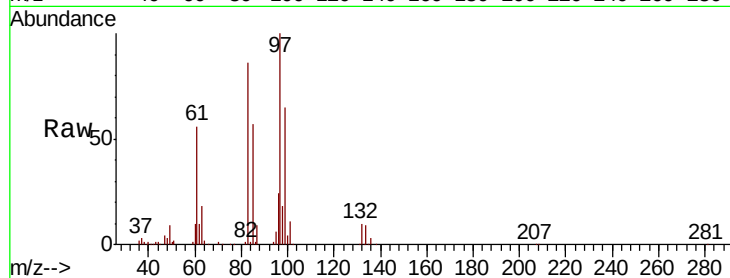




#55
 1,1,2-Trichloroethane
 Concen: 19.949 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

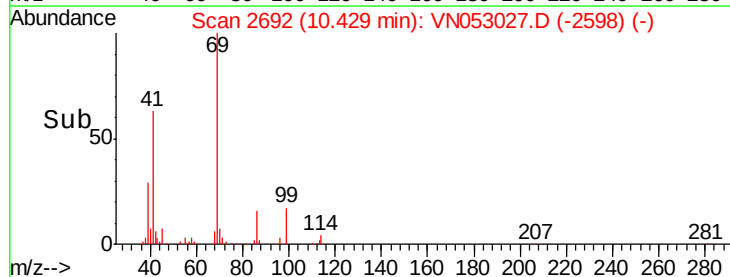
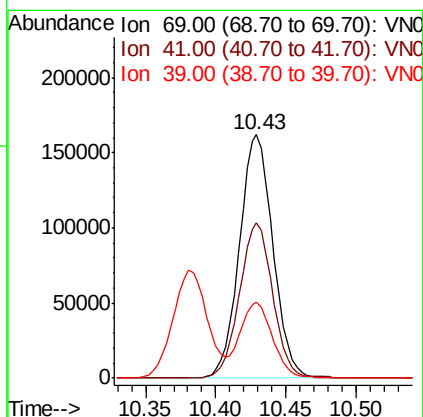
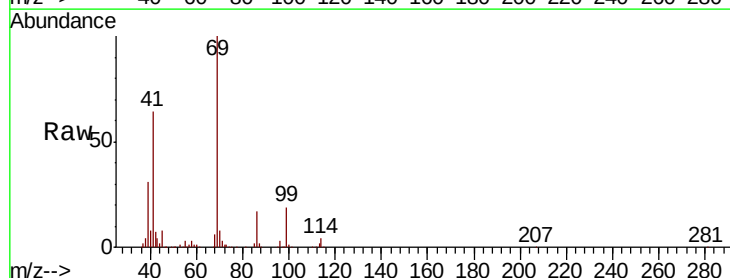
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219MBSD02

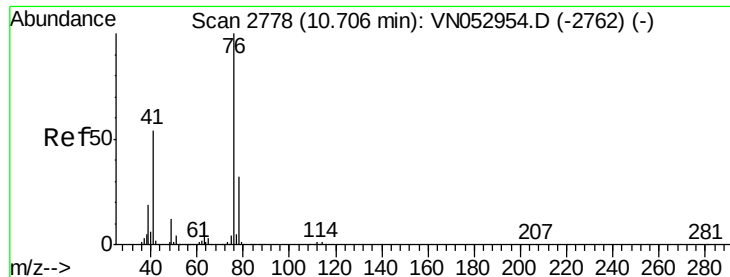
Tot Ion:	97	Resp:	205841
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.9	106.3
85	57.2	45.4	68.2
99	64.7	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.775 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion:	69	Resp:	270072
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.7	77.5
39	30.2	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.103 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

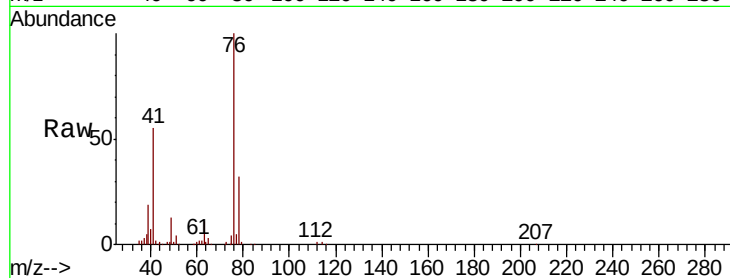
VN1219MBSD02

Tot Ion: 76 Resp: 355694

Ion Ratio Lower Upper

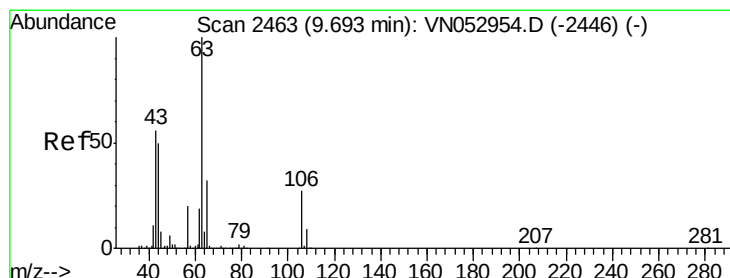
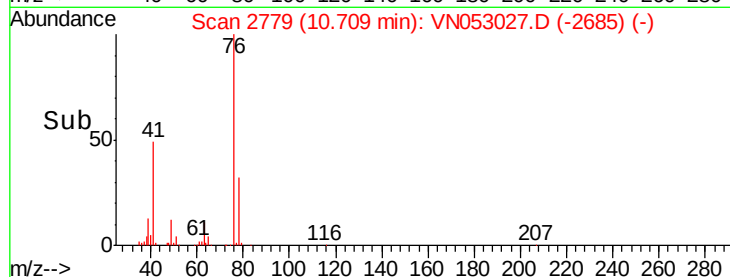
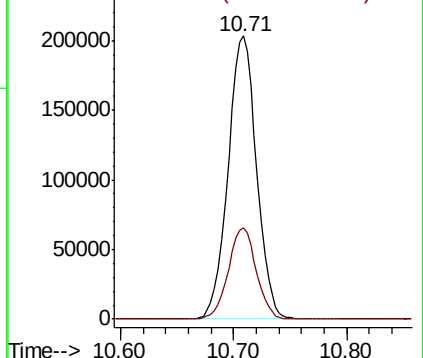
76 100

78 31.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.519 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053027.D

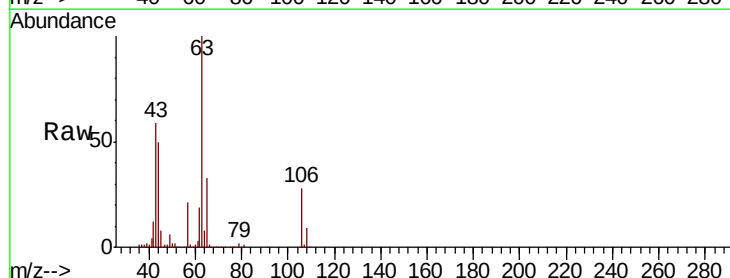
Acq: 19 Dec 2018 23:16

Tgt Ion: 63 Resp: 761158

Ion Ratio Lower Upper

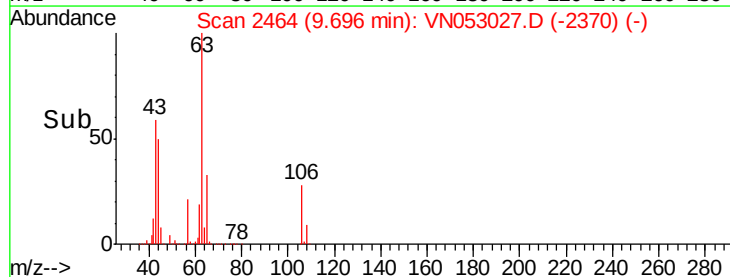
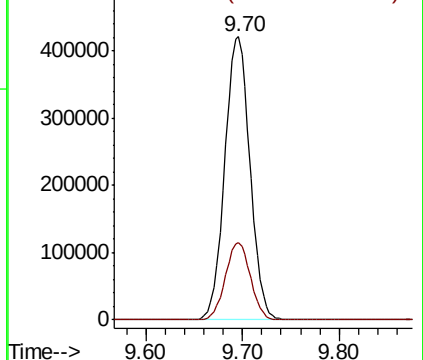
63 100

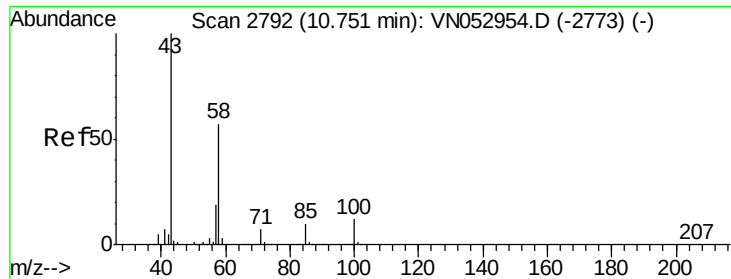
106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

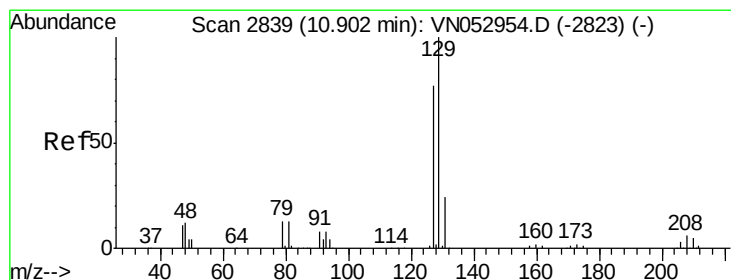
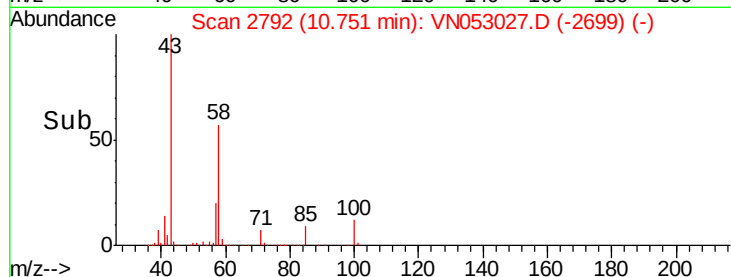
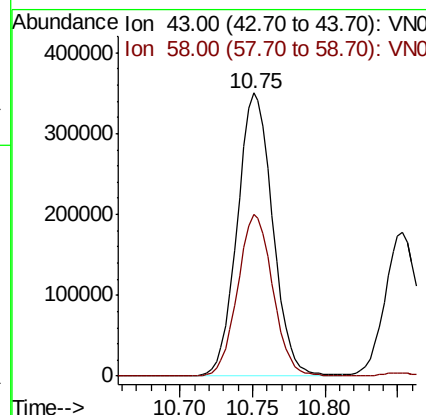
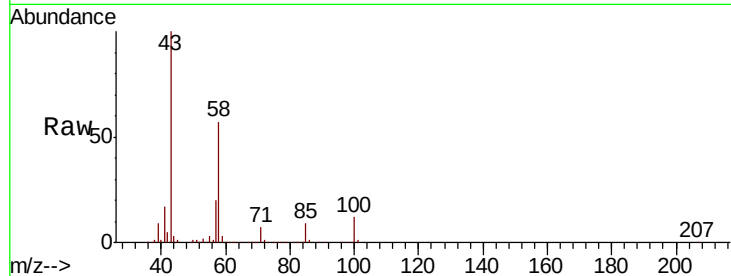




#59
2-Hexanone
Concen: 100.687 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

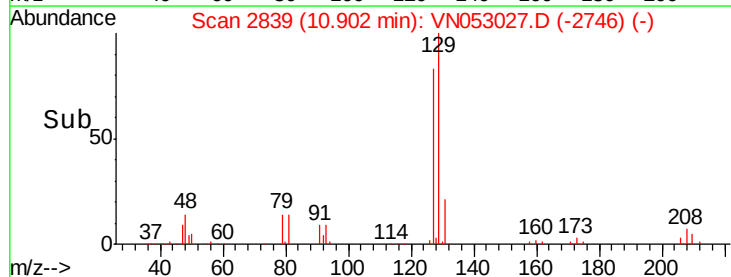
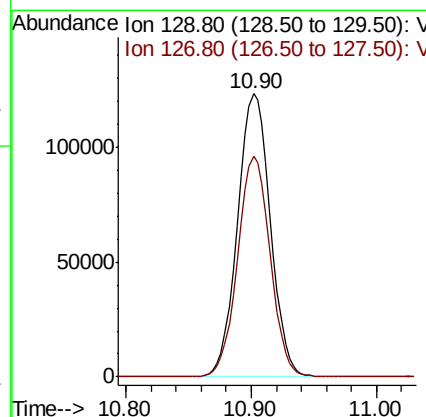
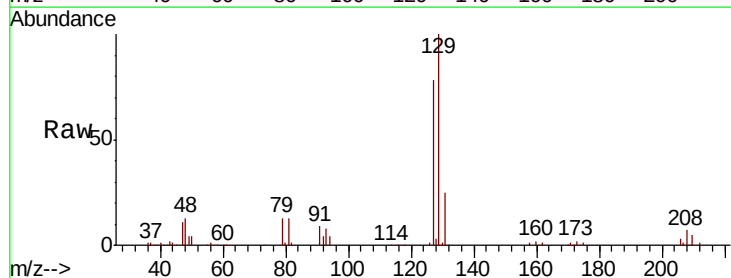
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

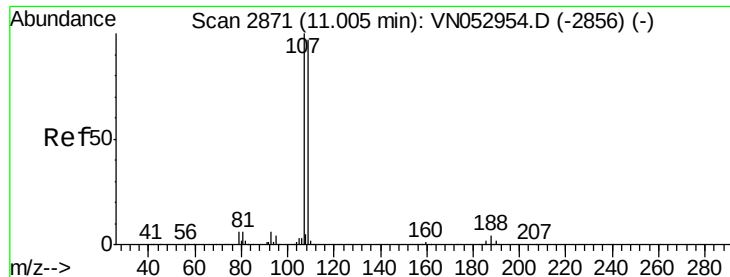
Tot Ion: 43 Resp: 590809
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 19.013 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 129 Resp: 224566
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.687 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

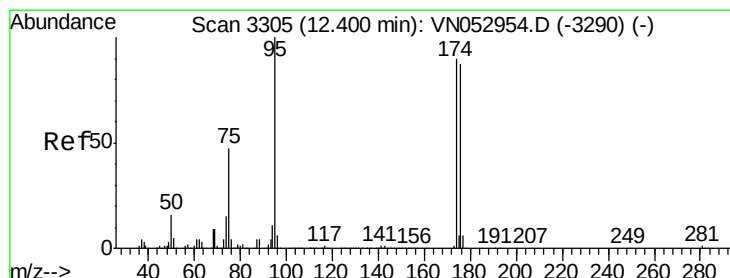
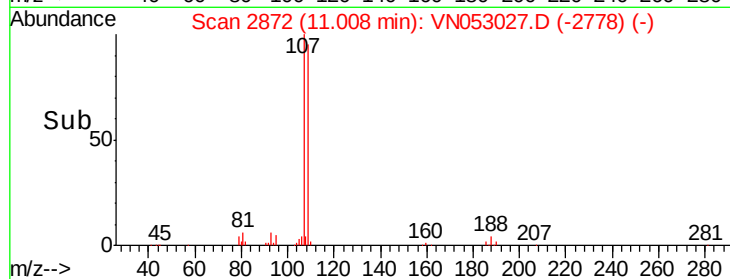
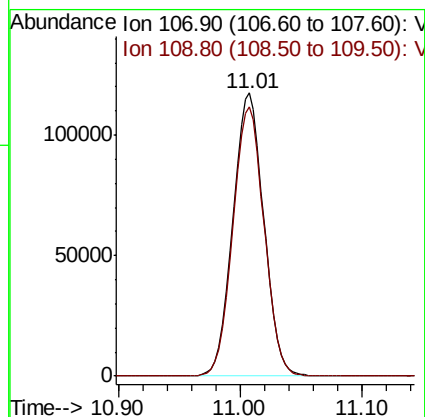
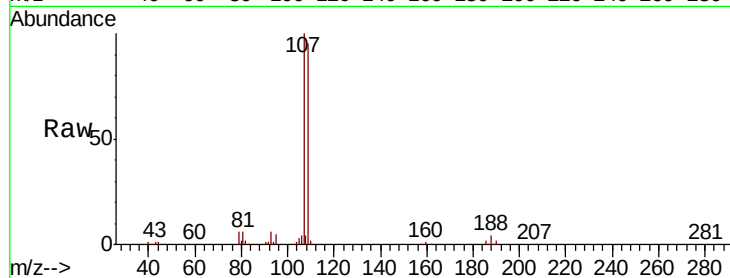
VN1219MBS02

Tot Ion:107 Resp: 206303

Ion Ratio Lower Upper

107 100

109 96.1 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 19.687 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

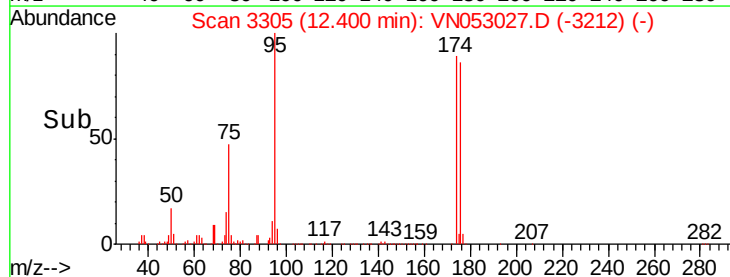
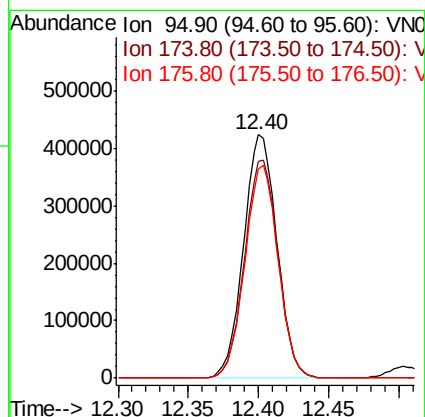
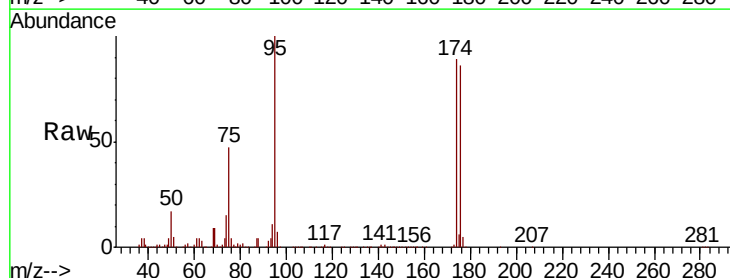
Tgt Ion: 95 Resp: 702711

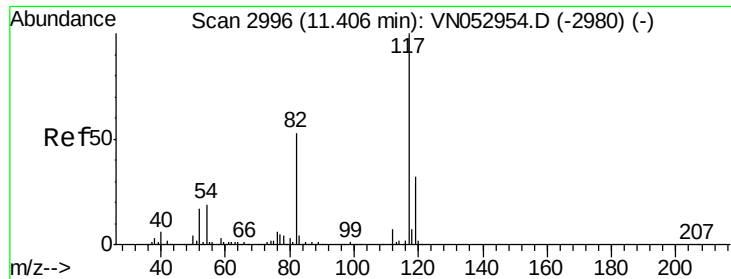
Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.8

176 87.2 0.0 173.8

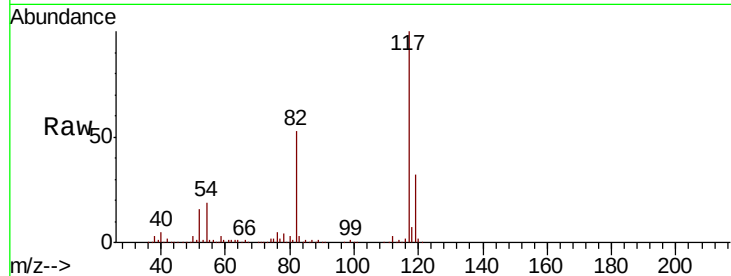




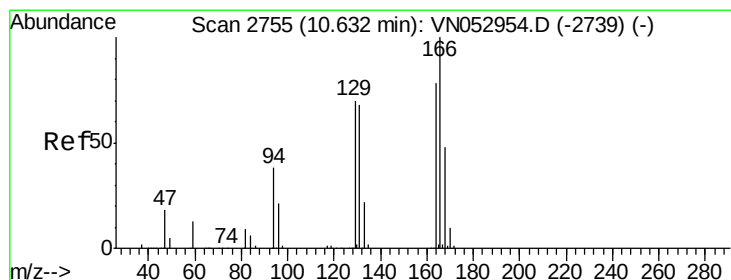
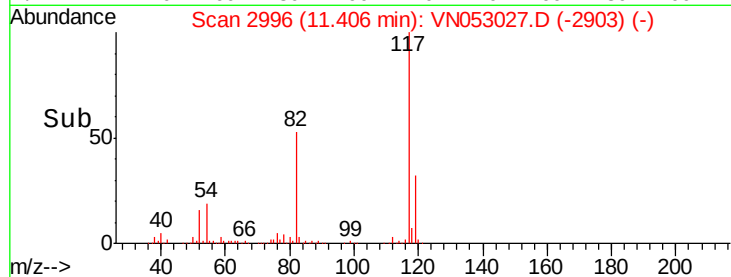
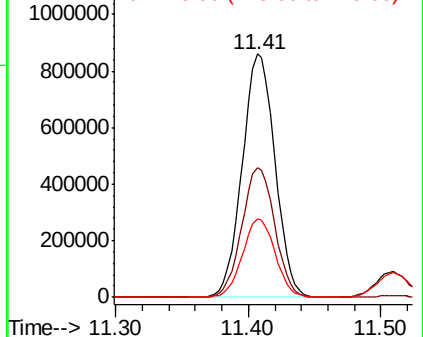
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

Tot Ion:117 Resp: 1479755
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.2 25.5 38.3

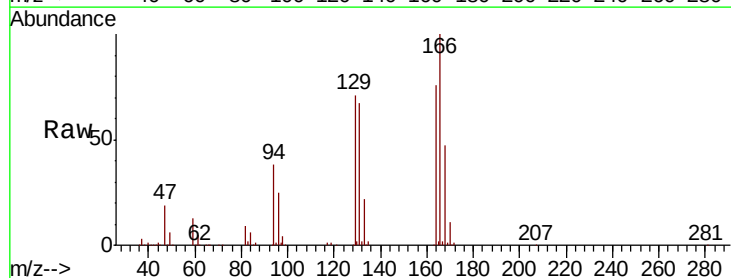


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

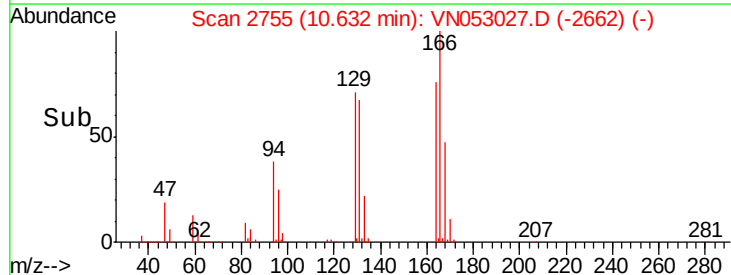
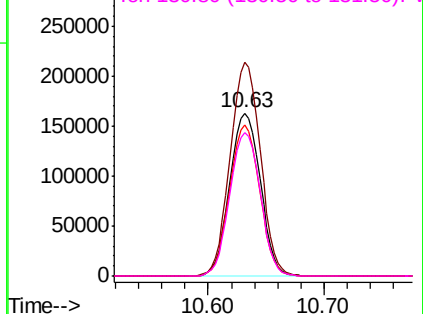


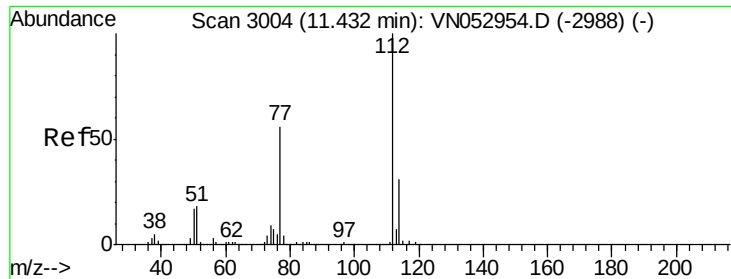
#64
Tetrachloroethene
Concen: 18.574 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion:164 Resp: 297719
Ion Ratio Lower Upper
164 100
166 131.3 102.9 154.3
129 92.7 73.7 110.5
131 87.9 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: 19.833 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

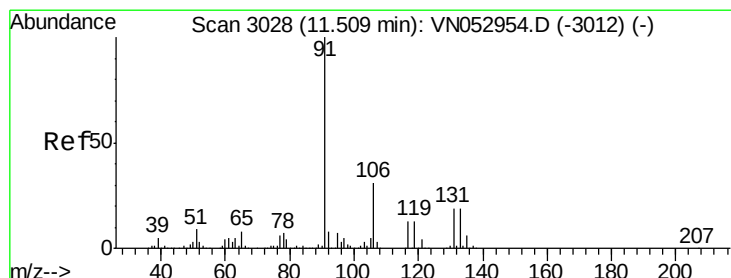
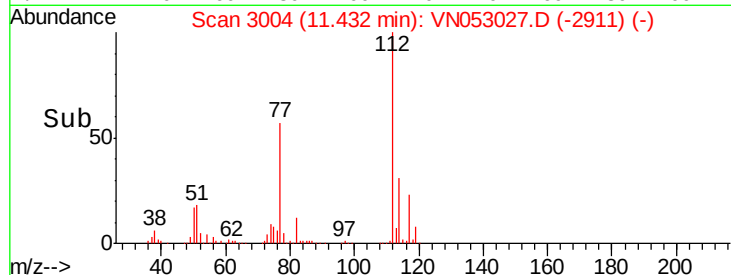
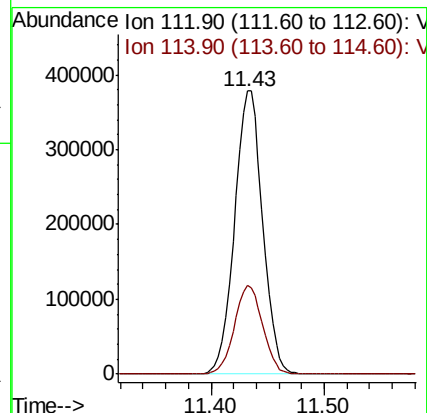
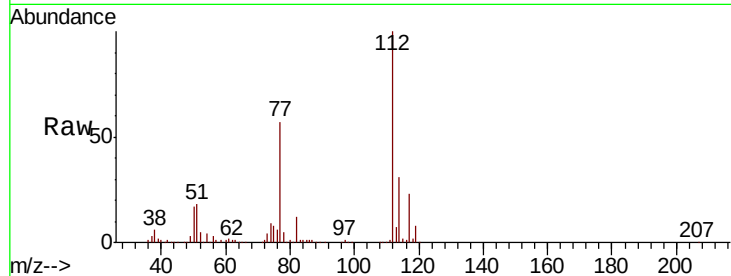
VN1219MBSD02

Tot Ion:112 Resp: 650576

Ion Ratio Lower Upper

112 100

114 31.3 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.773 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

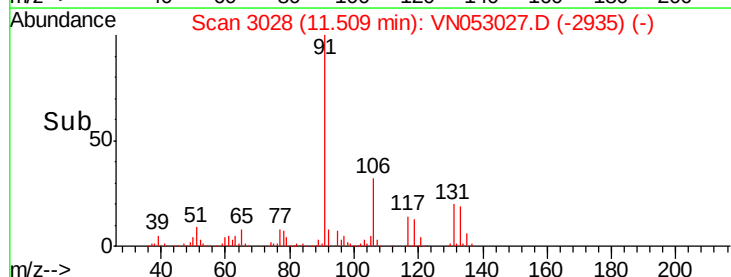
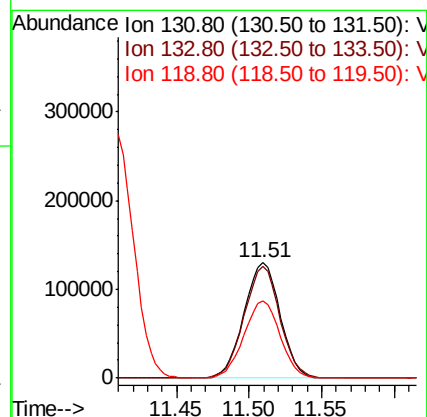
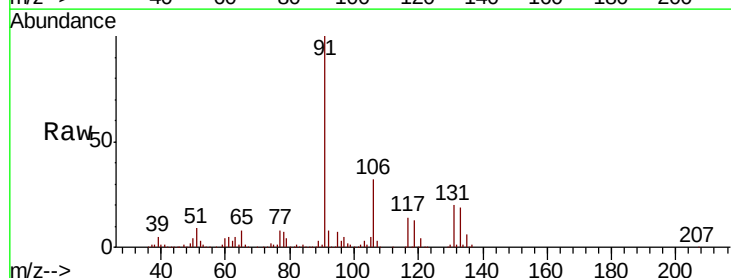
Tgt Ion:131 Resp: 225548

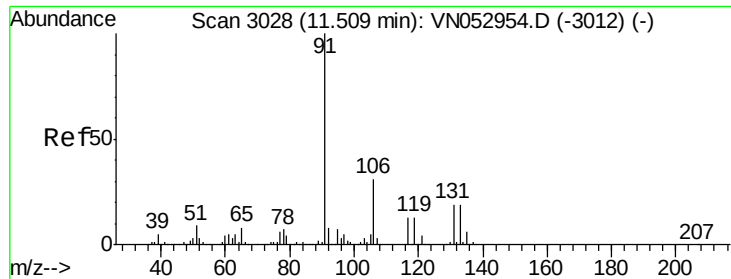
Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

119 67.0 33.3 99.8

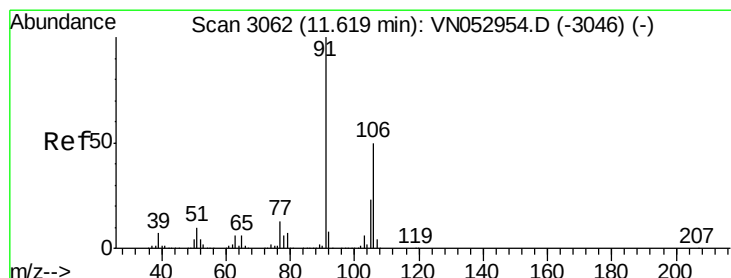
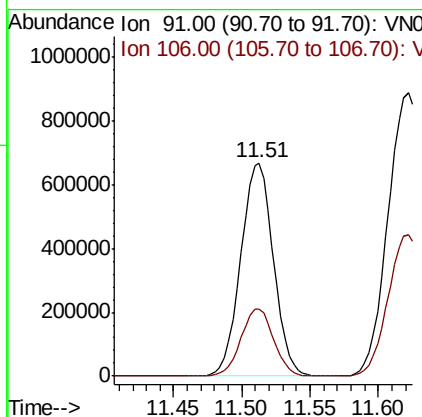
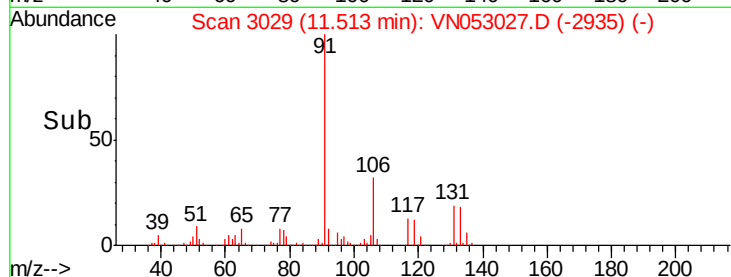
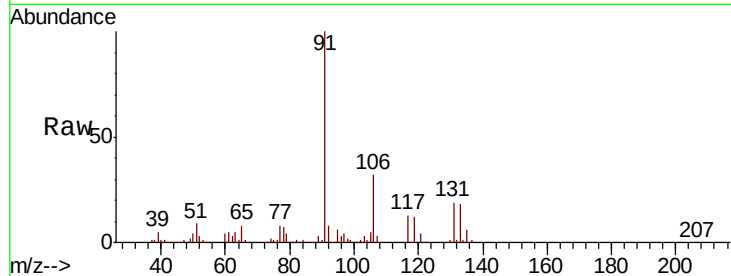




#67
Ethyl Benzene
Concen: 19.633 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

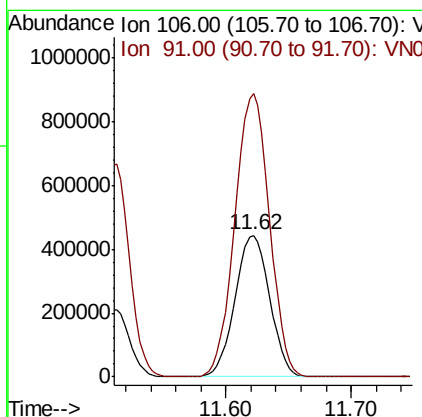
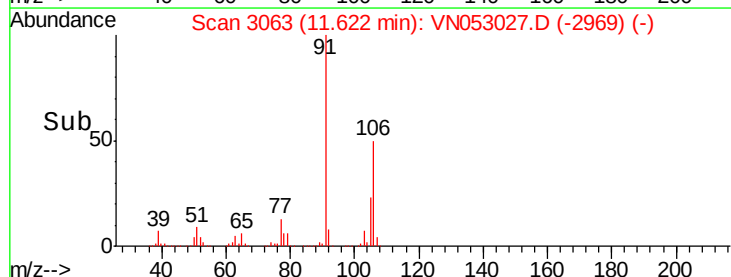
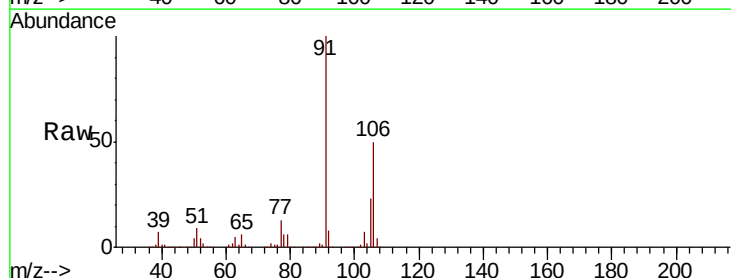
Instrument :
MSVOA_N
ClientSampled :
VN1219MBSD02

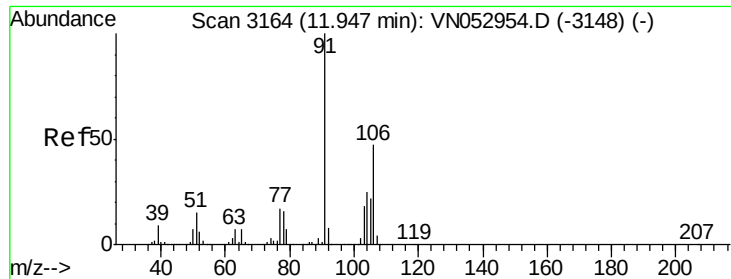
Tot Ion: 91 Resp: 1107533
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 39.628 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion: 106 Resp: 849822
Ion Ratio Lower Upper
106 100
91 199.9 162.2 243.4

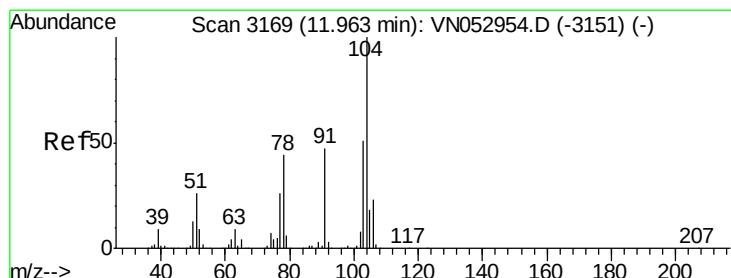
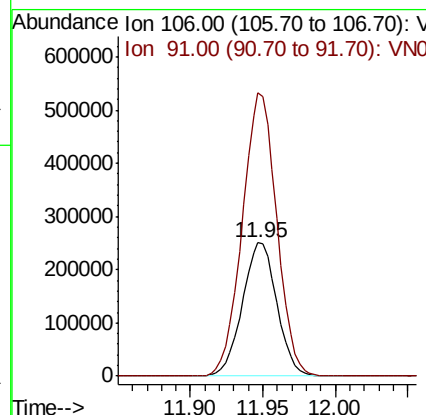
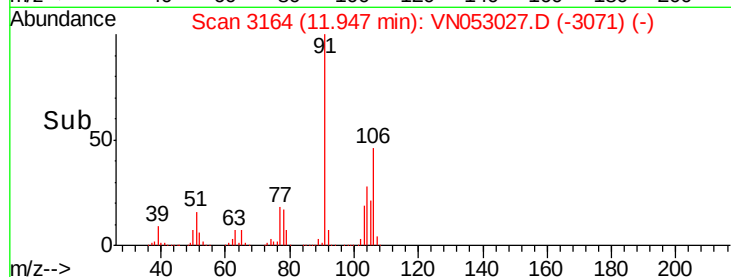
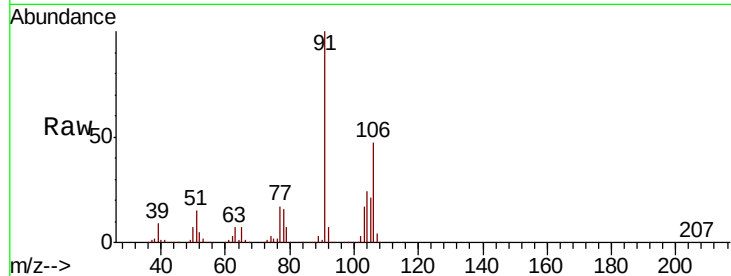




#69
o-Xylene
Concen: 20.076 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

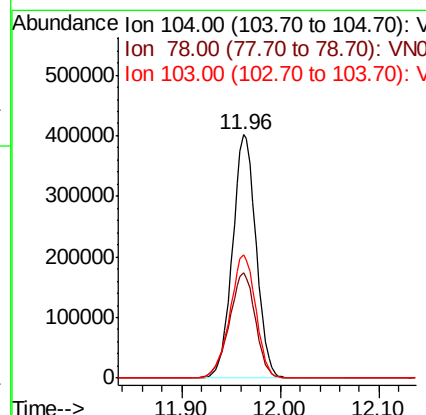
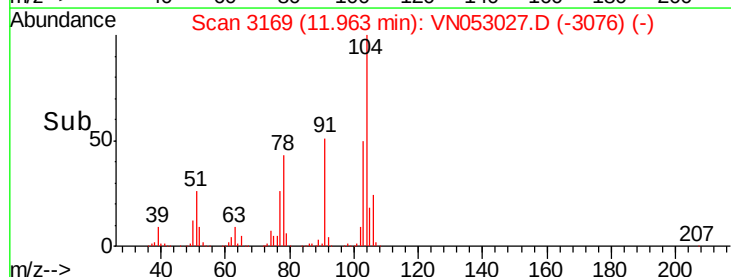
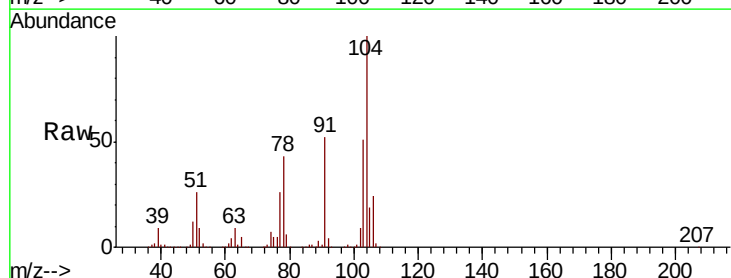
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD02

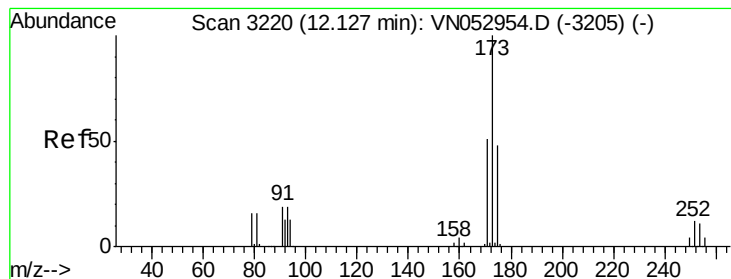
Tot Ion:106 Resp: 413132
Ion Ratio Lower Upper
106 100
91 212.2 106.6 319.8



#70
Styrene
Concen: 19.984 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053027.D
Acq: 19 Dec 2018 23:16

Tgt Ion:104 Resp: 670573
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.4 44.3 66.5





#71

Bromoform

Concen: 18.443 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS02

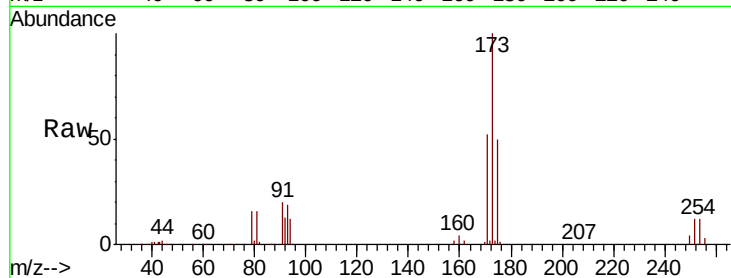
Tot Ion:173 Resp: 151975

Ion Ratio Lower Upper

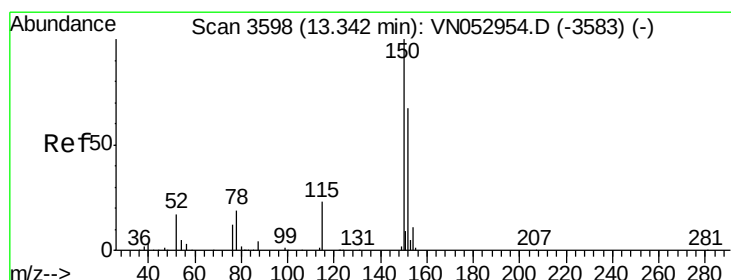
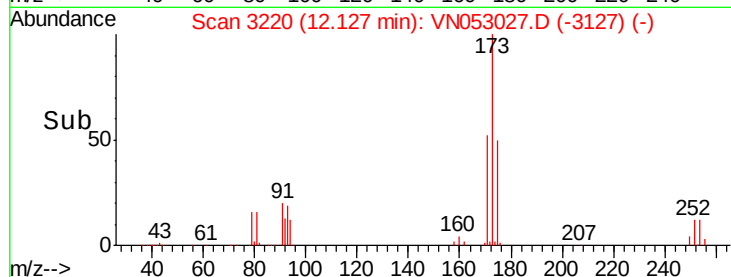
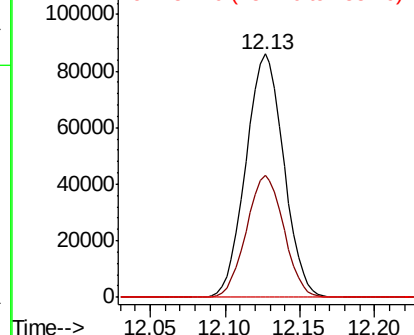
173 100

175 49.4 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

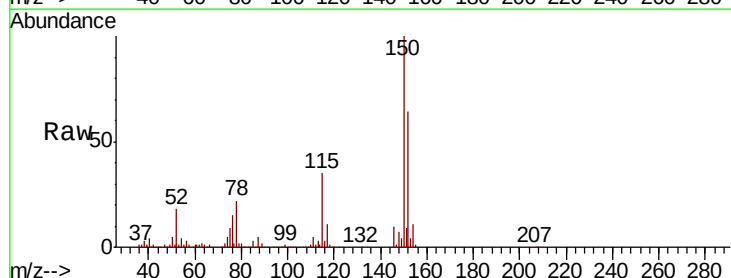
Tgt Ion:152 Resp: 667204

Ion Ratio Lower Upper

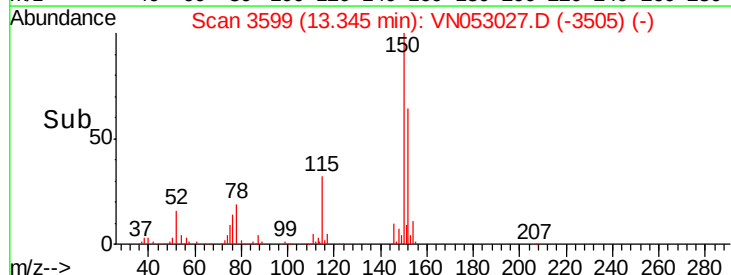
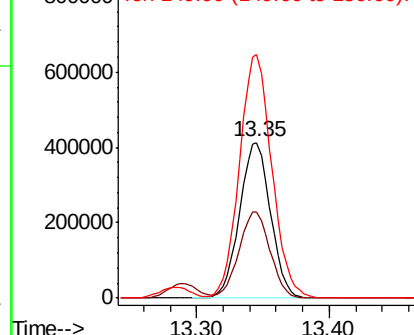
152 100

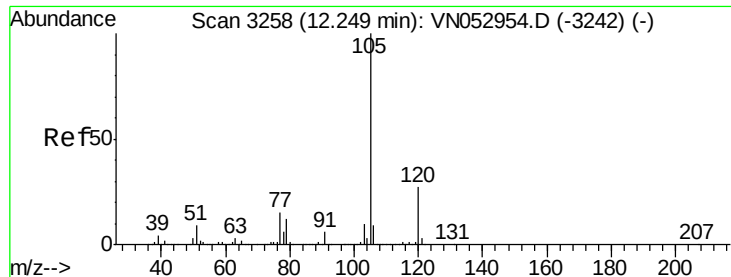
115 55.7 28.3 85.0

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: 20.955 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

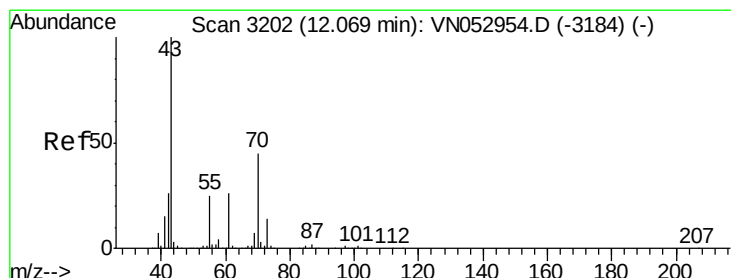
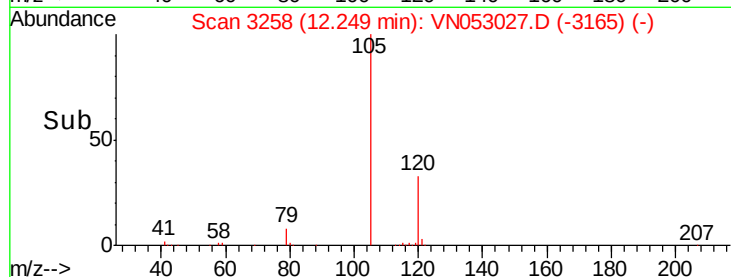
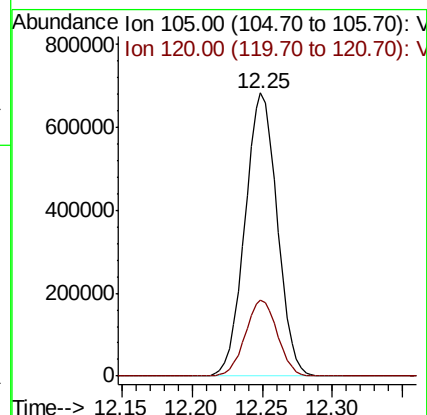
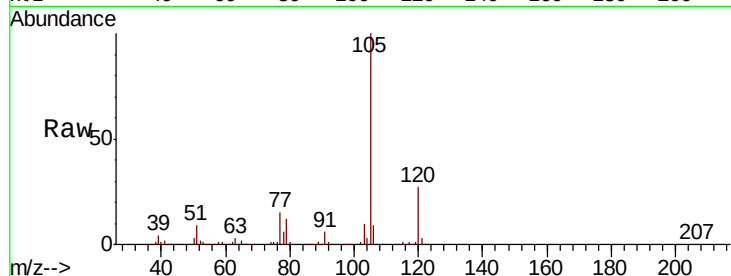
VN1219MBSD02

Tot Ion:105 Resp: 1093899

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 20.597 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Tgt Ion: 43 Resp: 298523

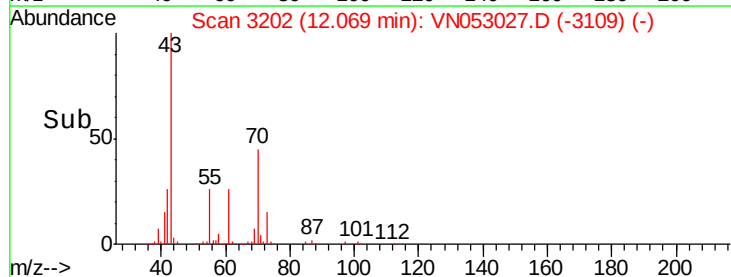
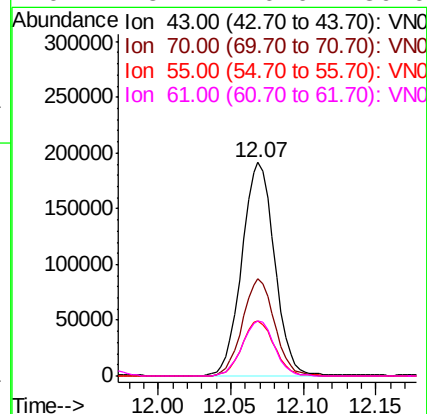
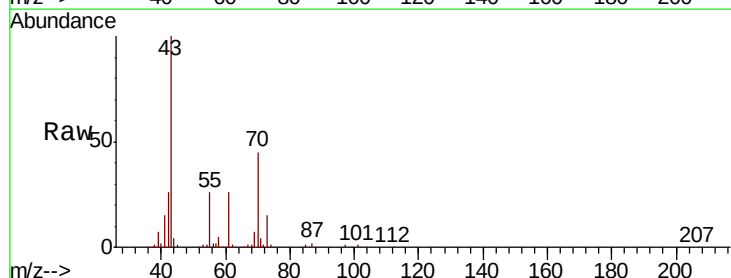
Ion Ratio Lower Upper

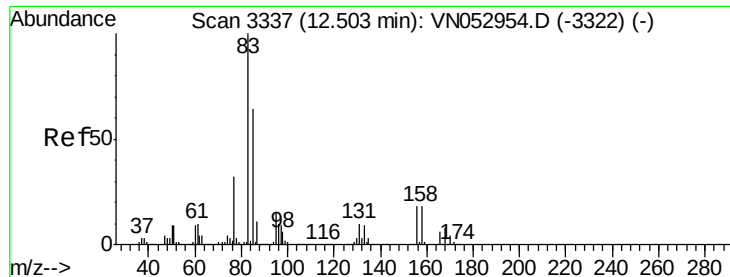
43 100

70 44.9 34.2 51.4

55 25.8 20.3 30.5

61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.999 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

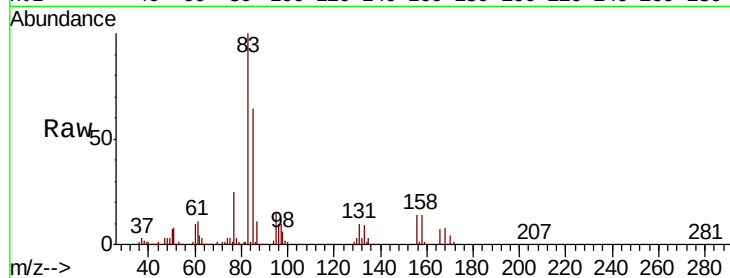
Tot Ion: 83 Resp: 225303

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

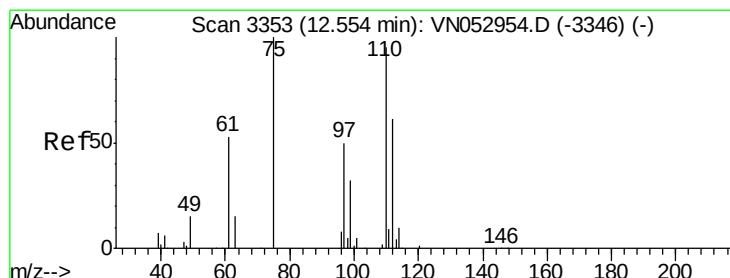
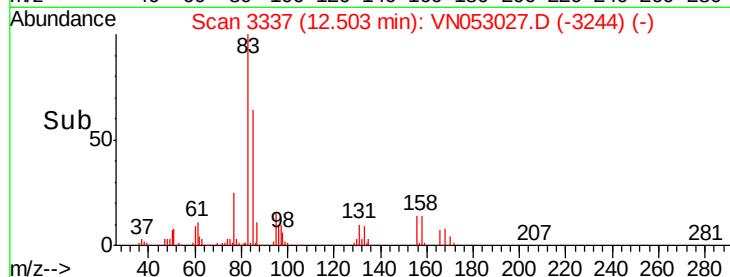
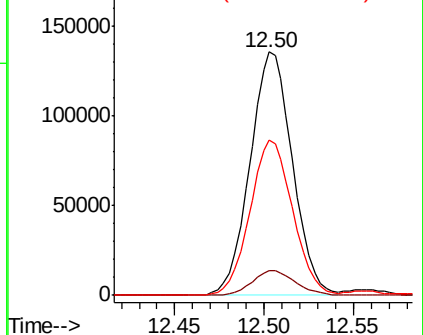
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053027.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053027.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053027.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 26.633 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053027.D

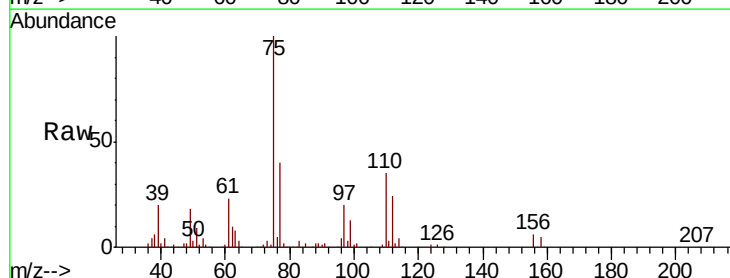
Acq: 19 Dec 2018 23:16

Tgt Ion: 75 Resp: 299139

Ion Ratio Lower Upper

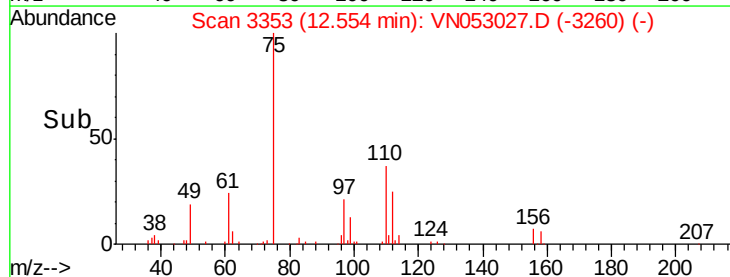
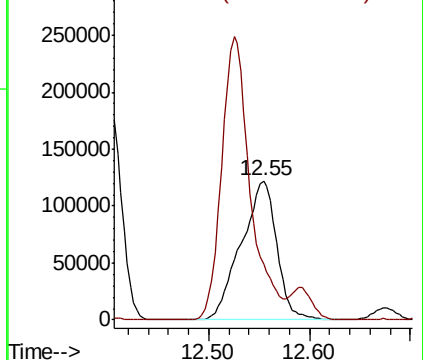
75 100

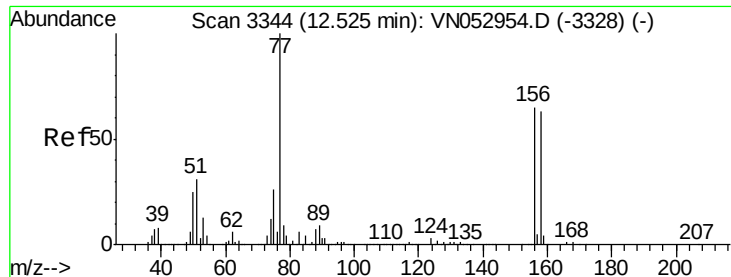
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053027.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053027.D (-3260) (-)





#77

Bromobenzene

Concen: 20.503 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

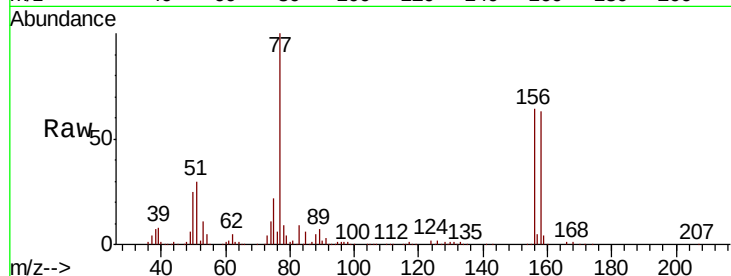
Tot Ion:156 Resp: 278224

Ion Ratio Lower Upper

156 100

77 178.6 91.3 273.8

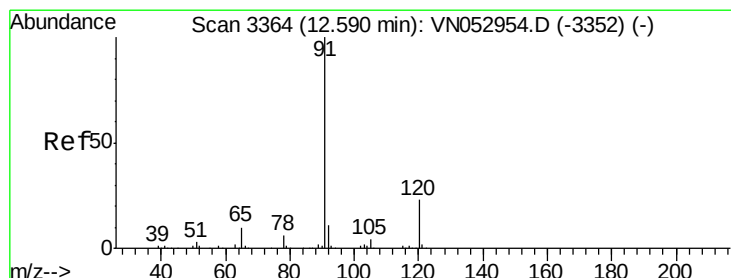
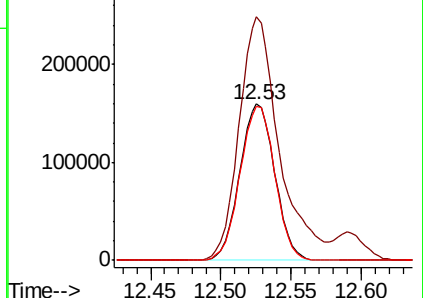
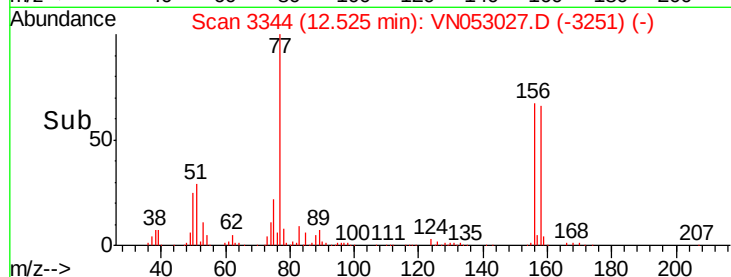
158 97.9 49.0 147.2



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: 20.330 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053027.D

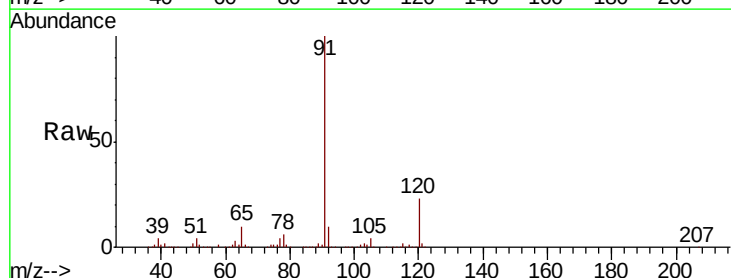
Acq: 19 Dec 2018 23:16

Tgt Ion: 91 Resp: 1208708

Ion Ratio Lower Upper

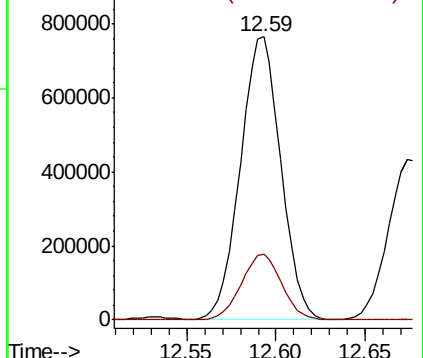
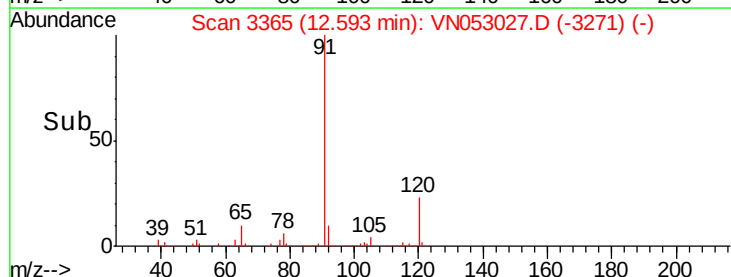
91 100

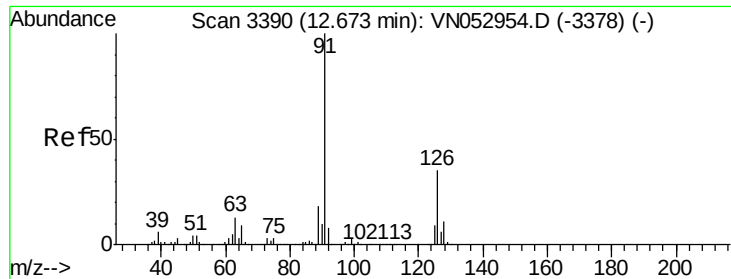
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.605 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

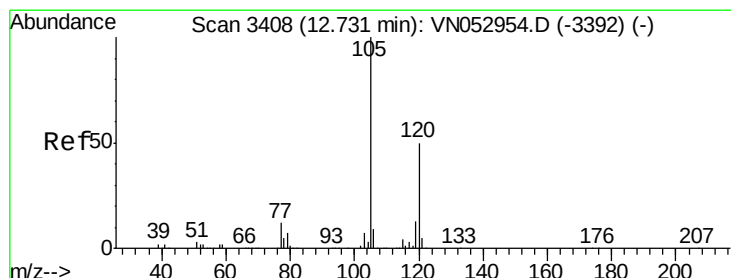
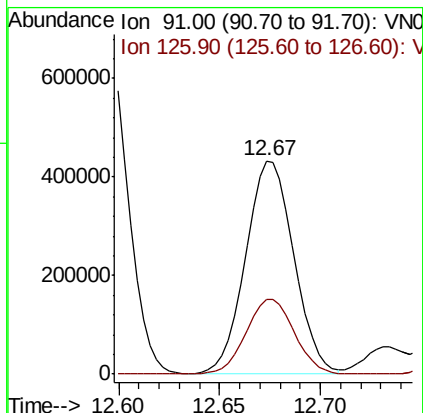
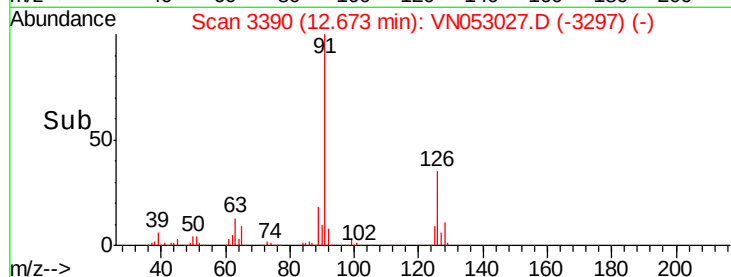
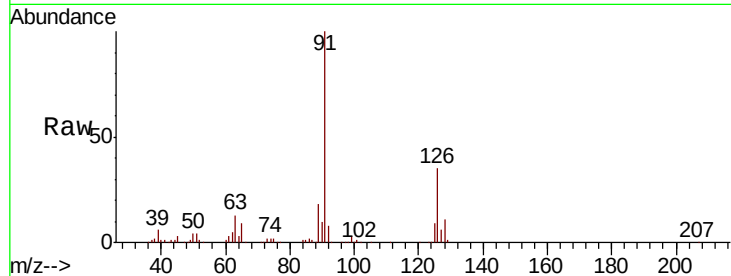
VN1219MBSD02

Tot Ion: 91 Resp: 722493

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.292 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053027.D

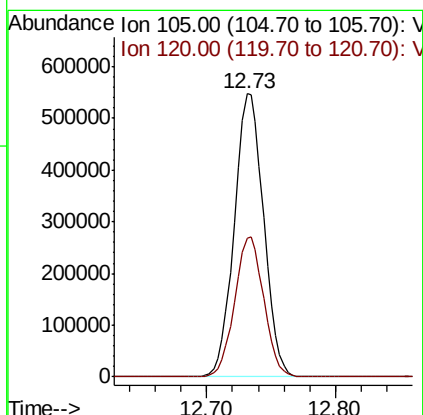
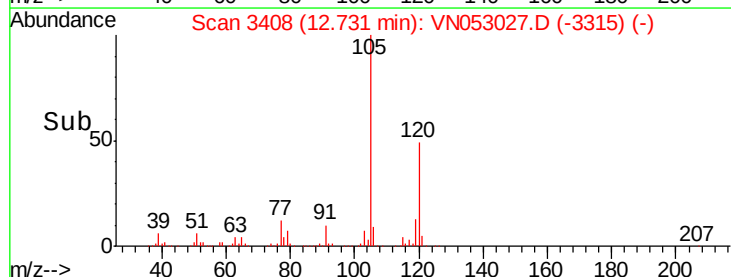
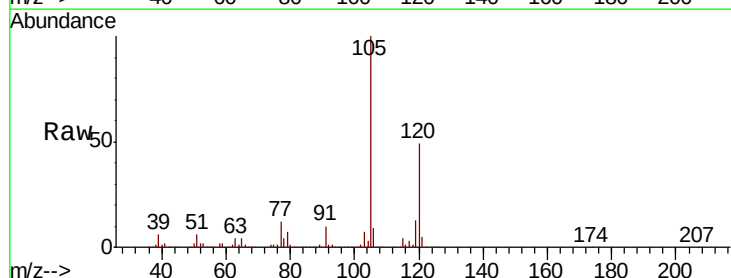
Acq: 19 Dec 2018 23:16

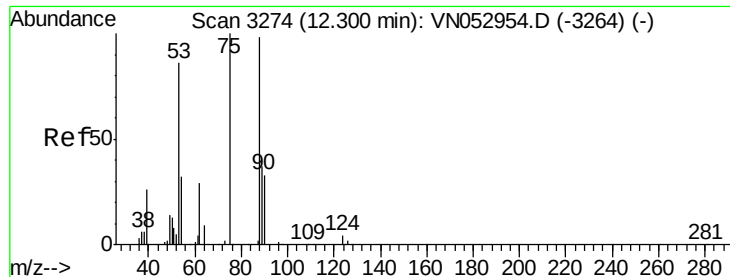
Tgt Ion:105 Resp: 863424

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.813 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

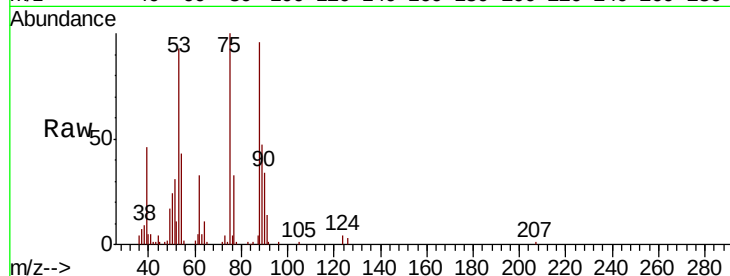
Tot Ion: 75 Resp: 62075

Ion Ratio Lower Upper

75 100

53 94.1 74.7 112.1

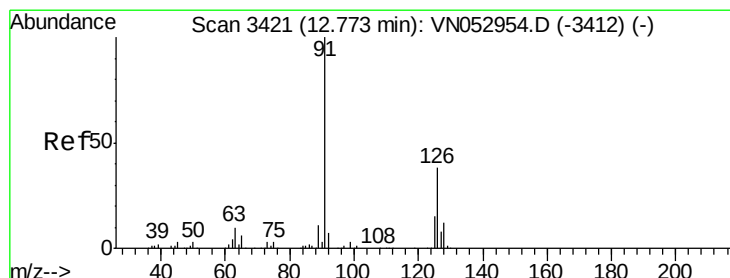
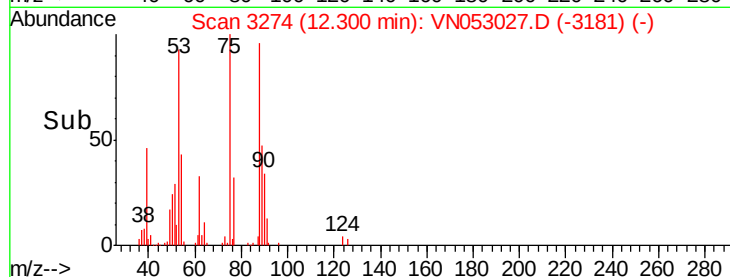
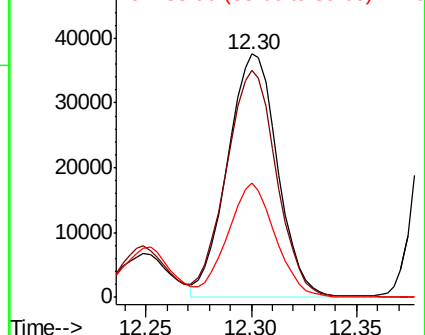
89 44.9 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.324 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053027.D

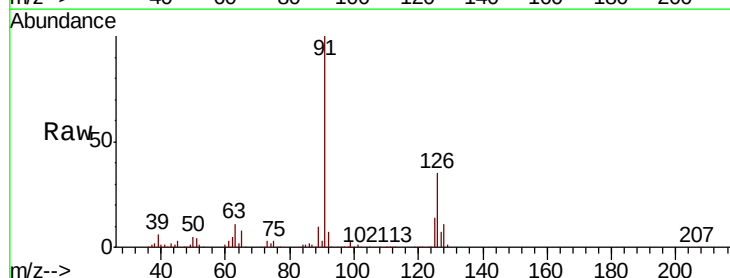
Acq: 19 Dec 2018 23:16

Tgt Ion: 91 Resp: 733198

Ion Ratio Lower Upper

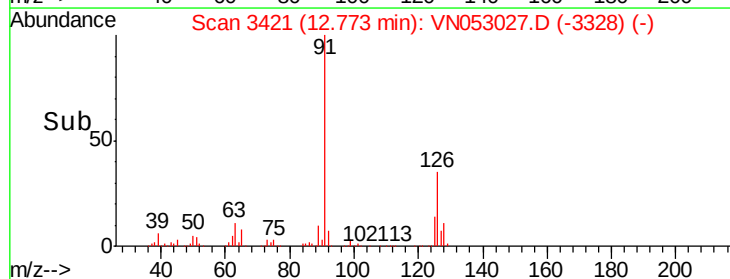
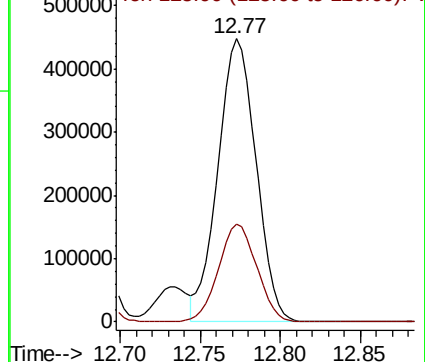
91 100

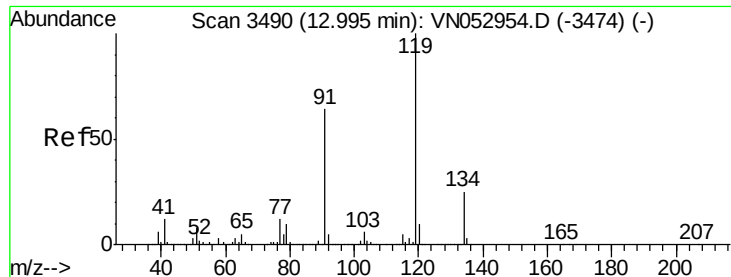
126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

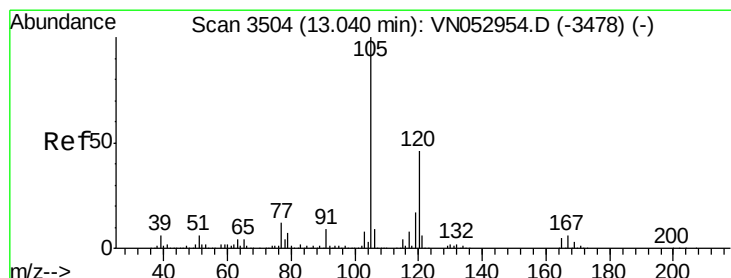
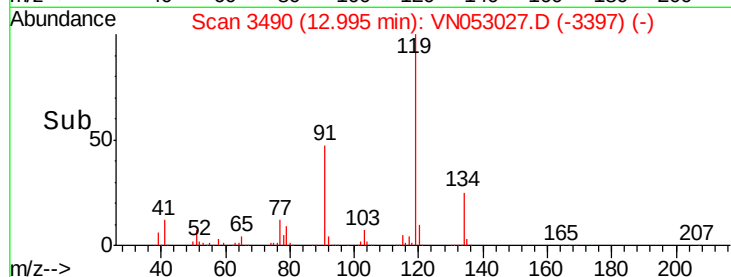
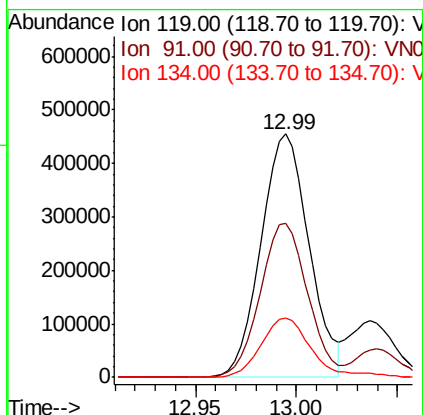
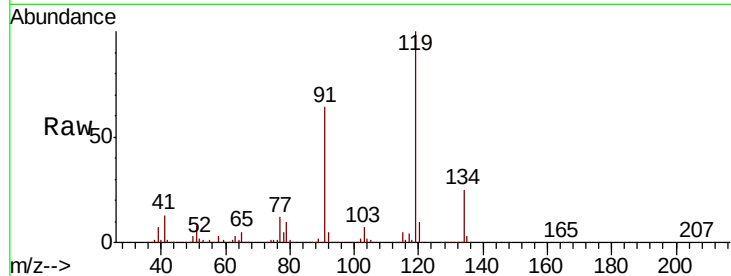




#83
 tert-Butylbenzene
 Concen: 20.090 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

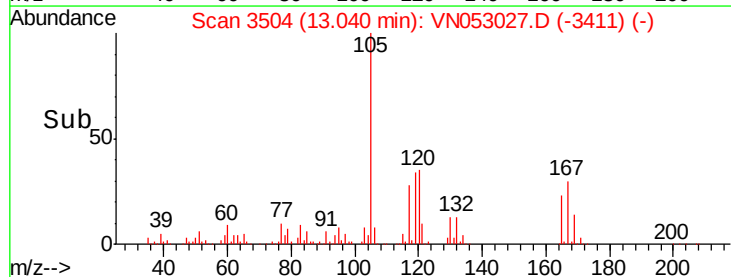
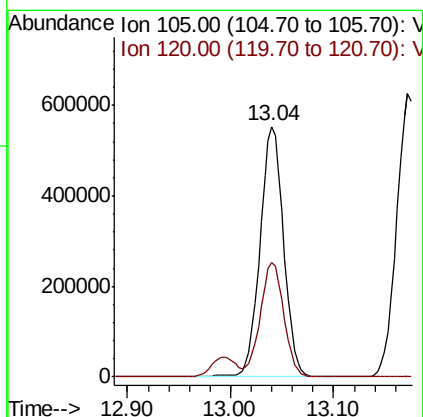
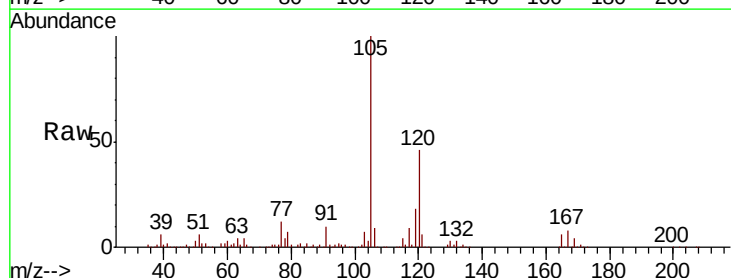
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

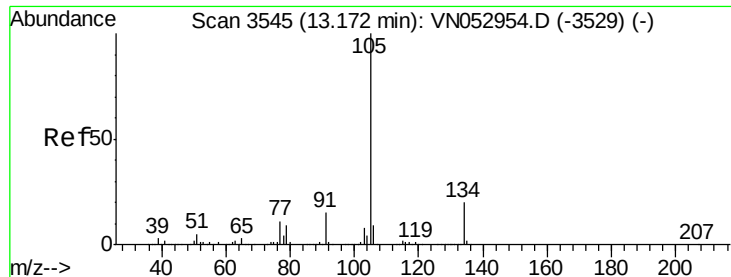
Tot Ion:119 Resp: 756005
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 25.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.351 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion:105 Resp: 870498
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.435 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

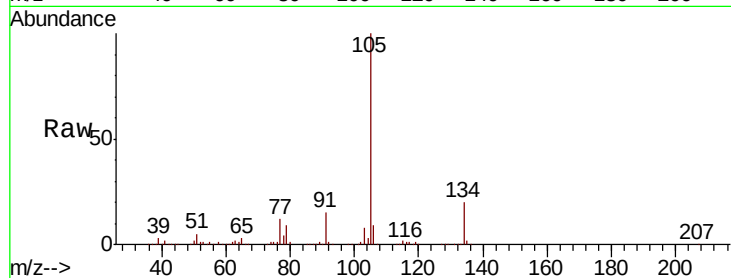
VN1219MBSD02

Tot Ion:105 Resp: 989256

Ion Ratio Lower Upper

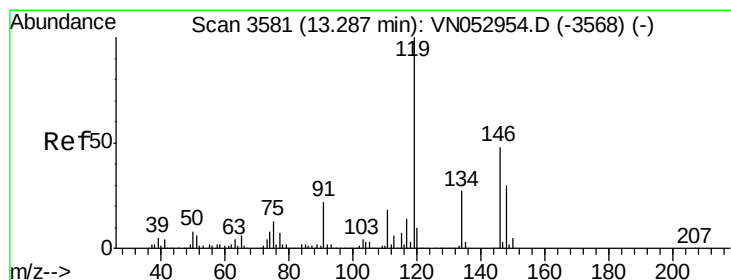
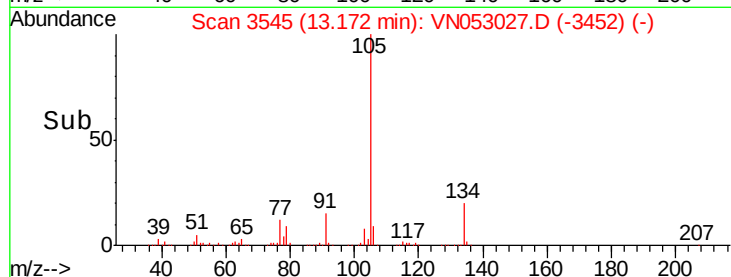
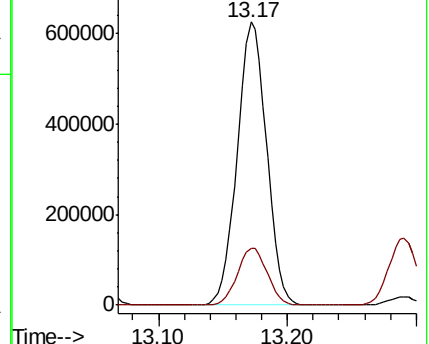
105 100

134 20.5 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.429 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

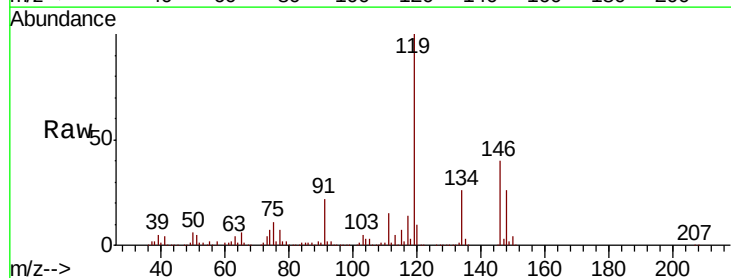
Tgt Ion:119 Resp: 854511

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

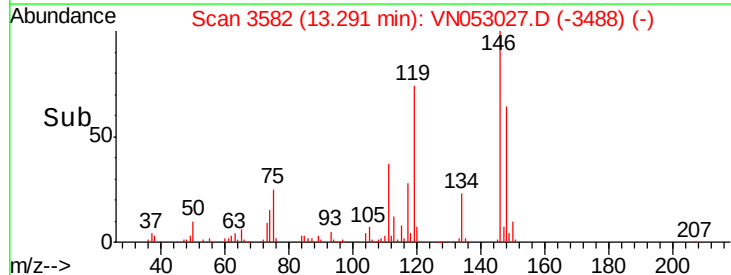
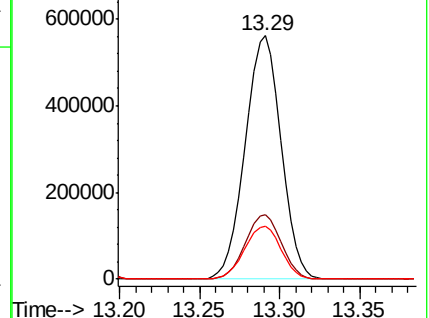
91 22.1 11.1 33.3

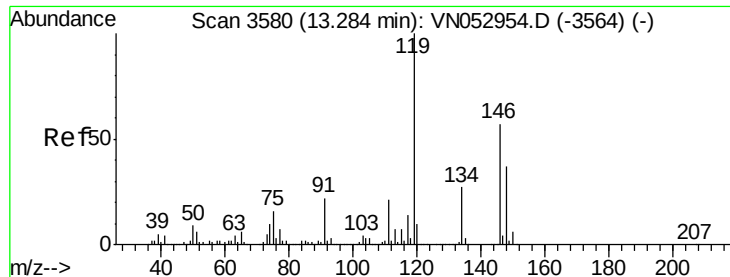


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

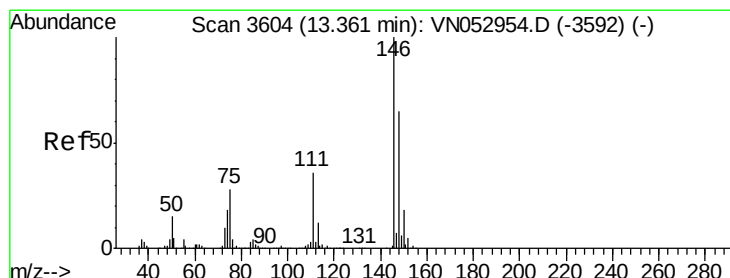
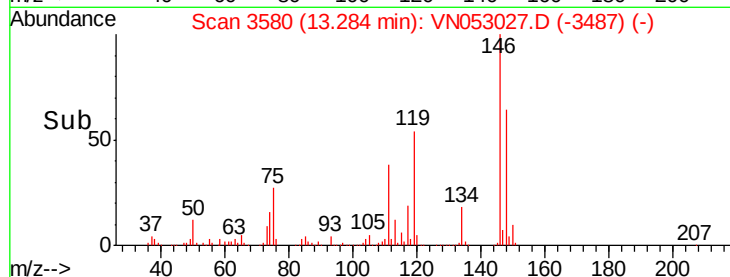
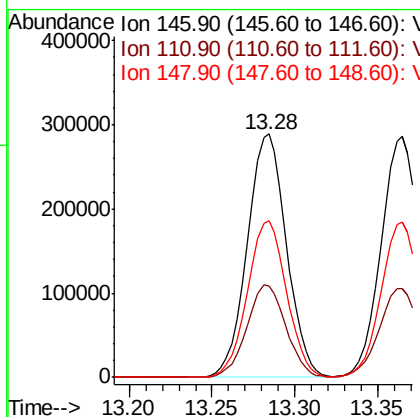
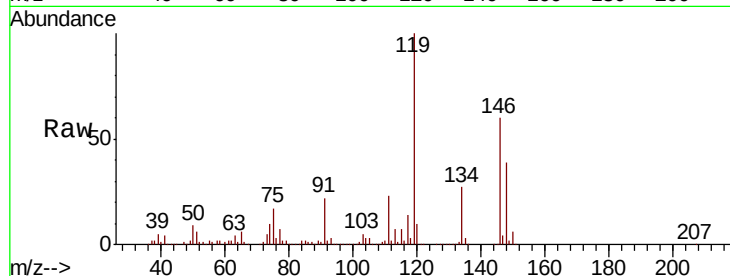




#87
 1,3-Dichlorobenzene
 Concen: 19.746 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

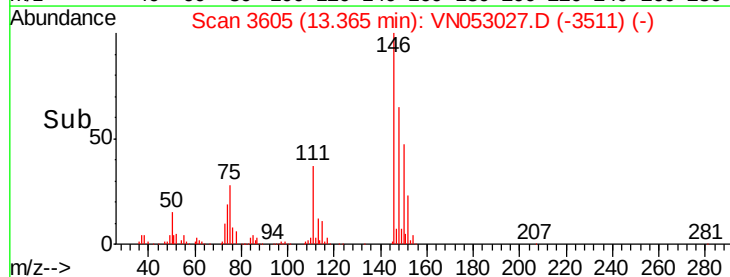
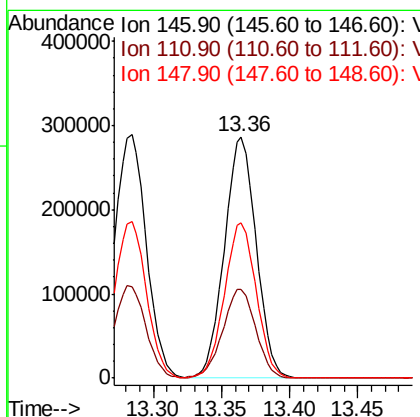
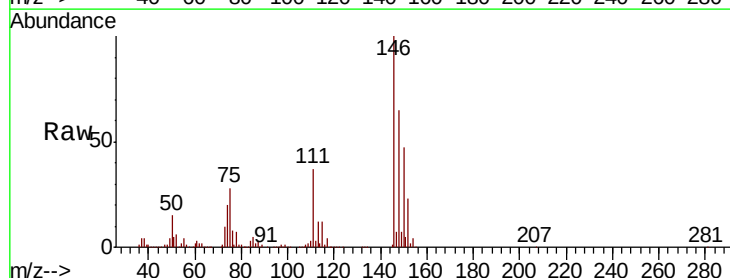
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS02

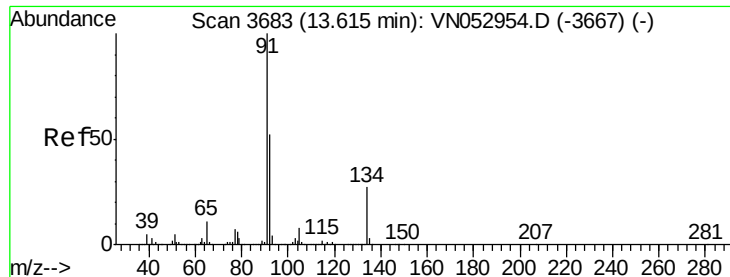
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.2	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.033 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.5	32.1	96.5





#89

n-Butylbenzene

Concen: 17.773 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD02

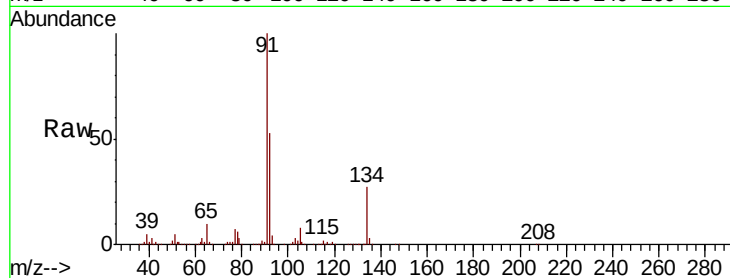
Tot Ion: 91 Resp: 672497

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

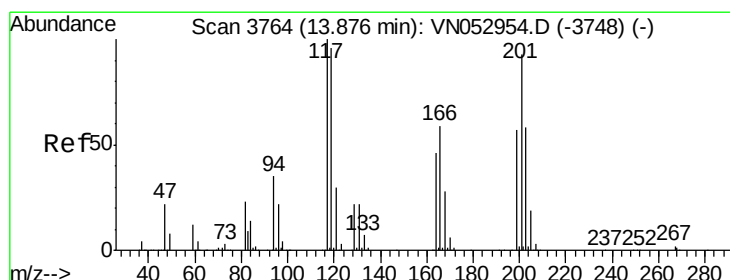
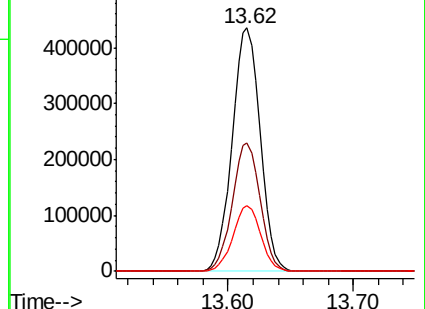
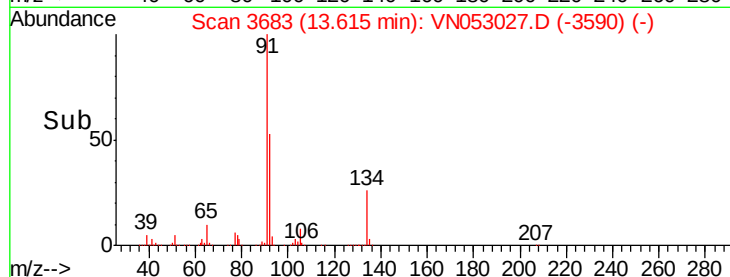
134 26.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053027.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN053027.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN053027.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.454 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053027.D

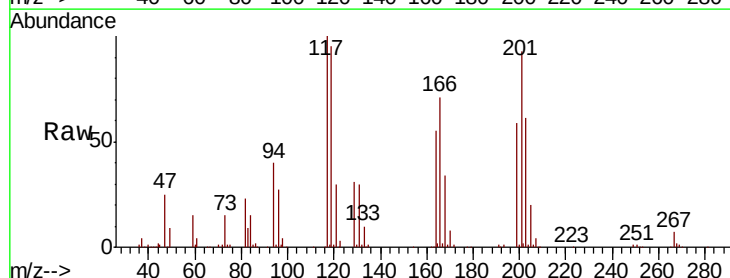
Acq: 19 Dec 2018 23:16

Tgt Ion: 117 Resp: 124554

Ion Ratio Lower Upper

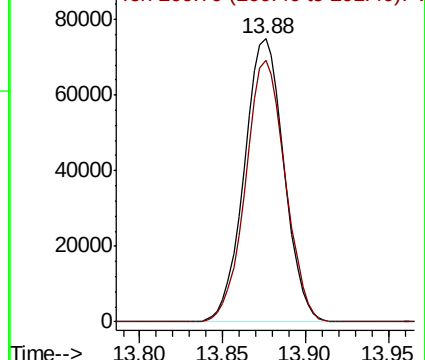
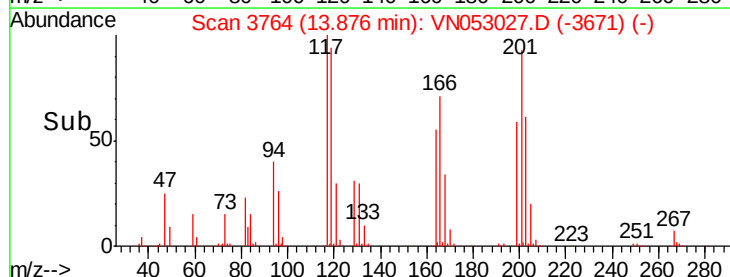
117 100

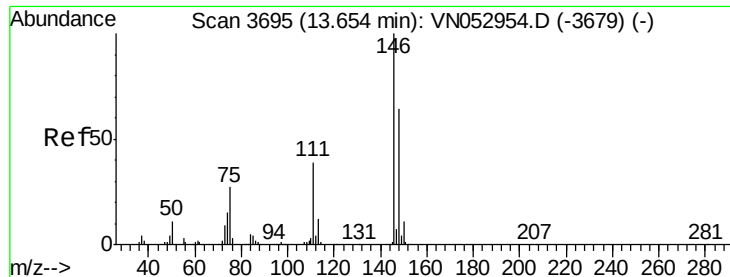
201 92.2 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053027.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053027.D (-3748) (-)

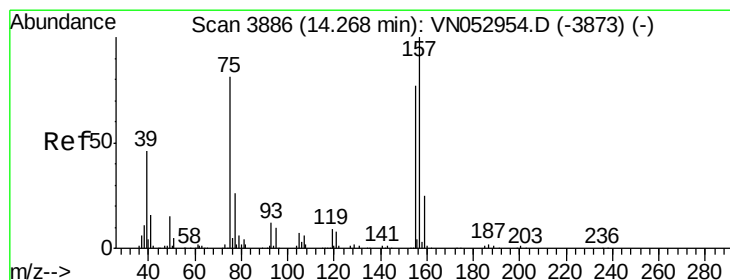
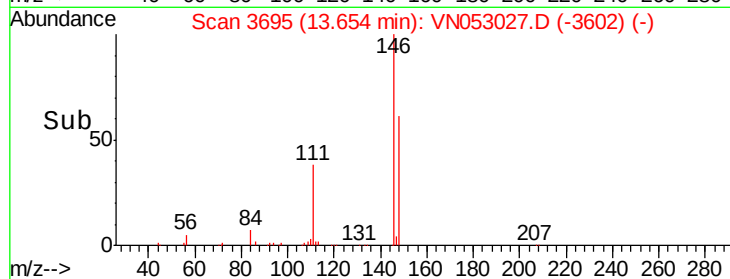
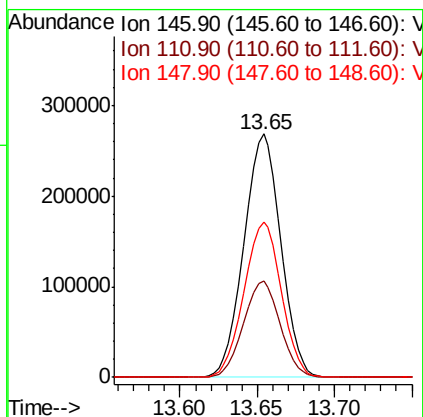
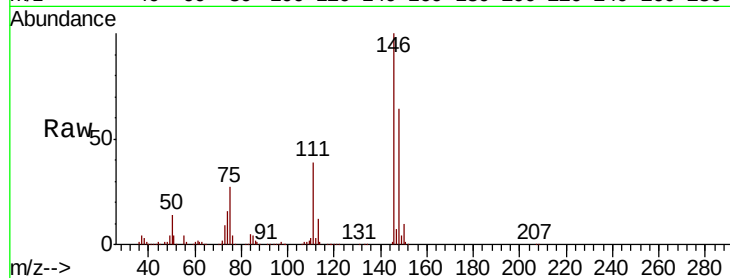




#91
 1,2-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

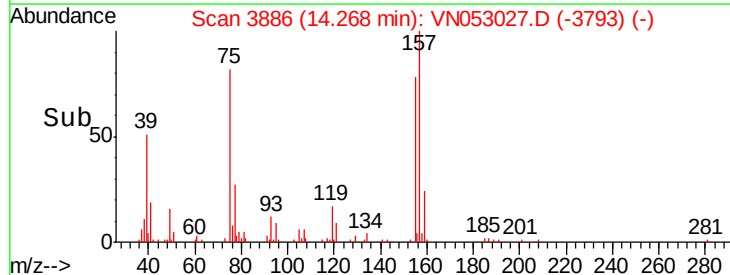
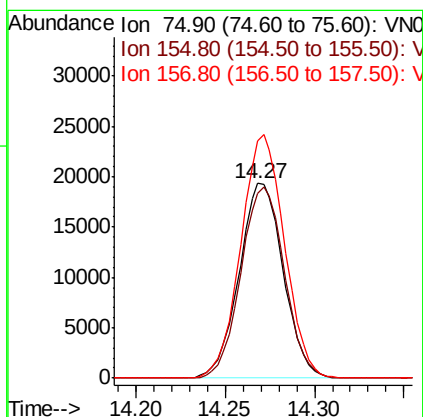
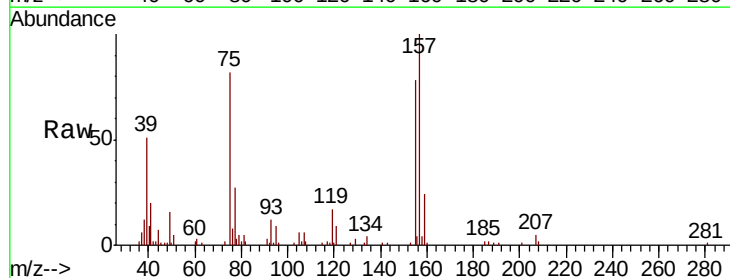
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219MBSD02

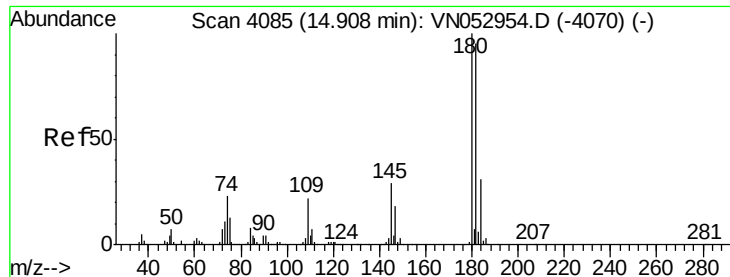
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.3	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.851 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.2	144.6
157	123.3	61.2	183.5

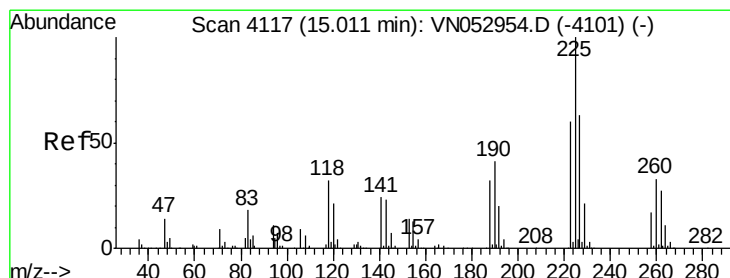
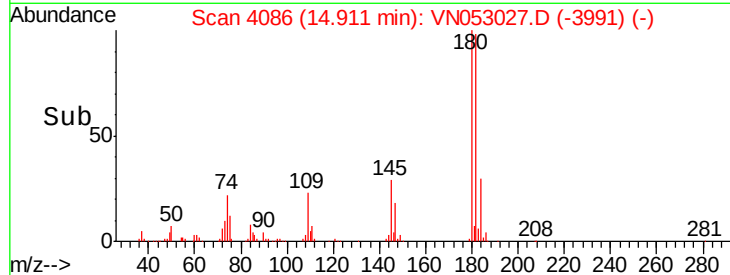
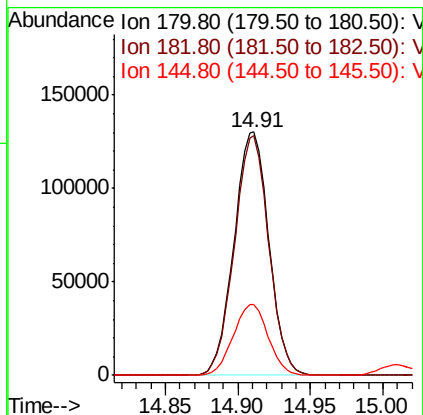
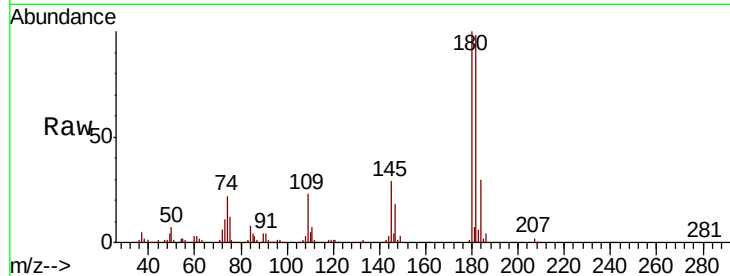




#93
 1,2,4-Trichlorobenzene
 Concen: 18.522 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

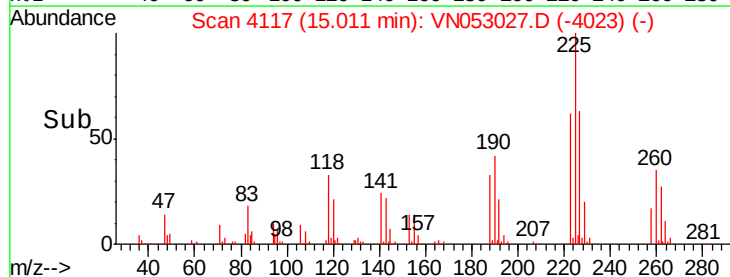
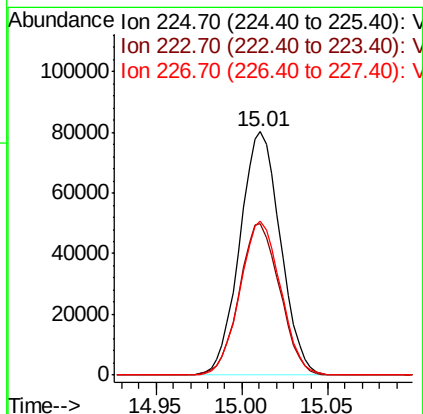
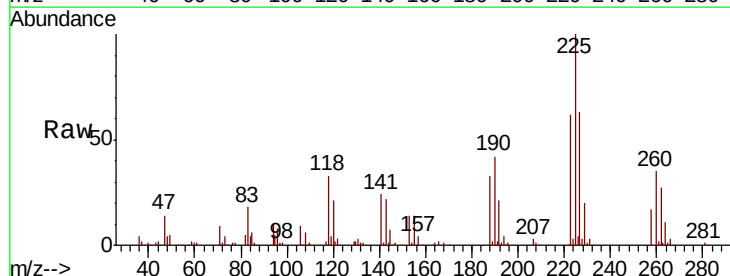
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD02

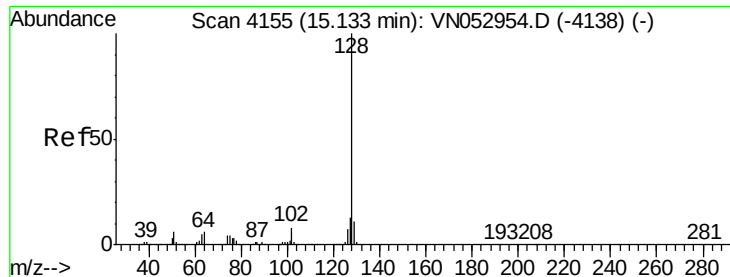
Tot Ion:180 Resp: 217266
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.8 143.3
 145 29.2 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 19.477 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053027.D
 Acq: 19 Dec 2018 23:16

Tgt Ion:225 Resp: 131638
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.5 94.5
 227 63.1 31.9 95.7





#95

Naphthalene

Concen: 18.798 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

Instrument :

MSVOA_N

ClientSampled :

VN1219MBSD02

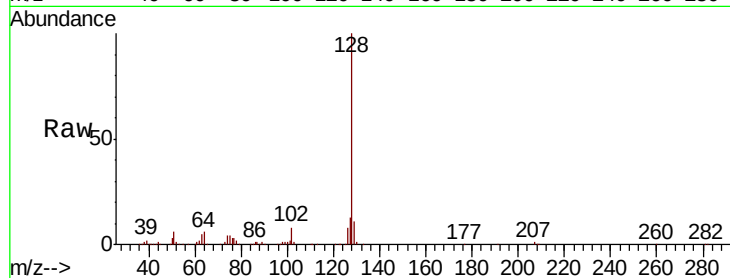
Tot Ion:128 Resp: 473922

Ion Ratio Lower Upper

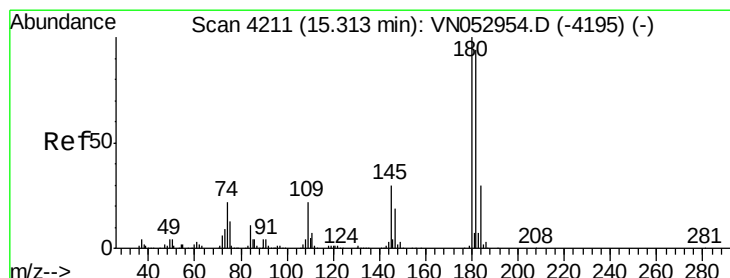
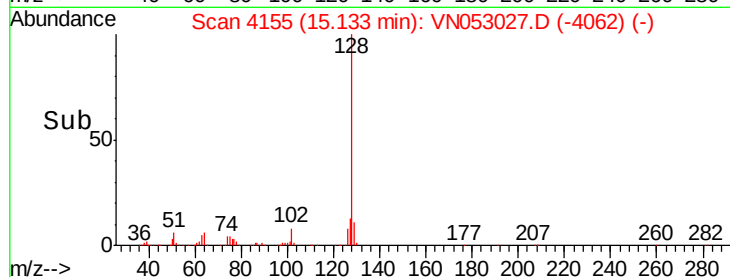
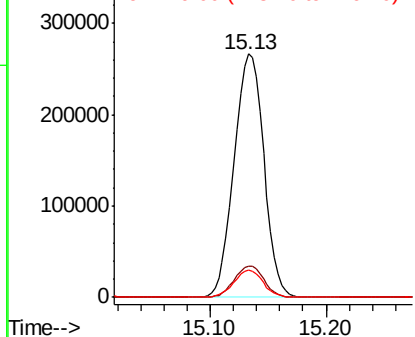
128 100

127 12.7 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: 18.736 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053027.D

Acq: 19 Dec 2018 23:16

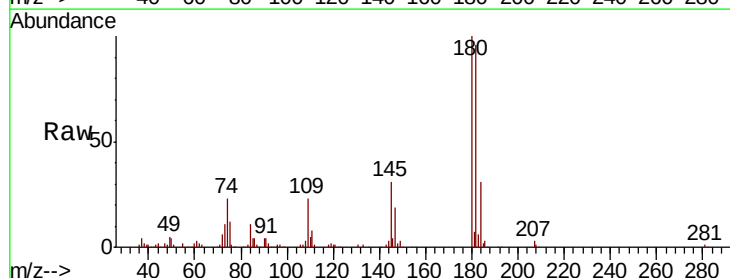
Tgt Ion:180 Resp: 198585

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 30.2 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

