

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053150.D
 Acq On : 22 Dec 2018 23:52
 Operator : MD\SY
 Sample : VN1222MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Quant Time: Dec 23 23:11:00 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	968953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1523166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1351078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	591332	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	544468	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
35) Dibromofluoromethane	7.59	113	440283	63.28	ug/l	0.00
Spiked Amount			Recovery	=	126.56%	
50) Toluene-d8	10.09	98	1950685	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	674975	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	181551	18.513	ug/l	100
3) Chloromethane	2.06	50	230741	19.417	ug/l	99
4) Vinyl Chloride	2.19	62	235307	19.552	ug/l	100
5) Bromomethane	2.57	94	150940	18.102	ug/l	100
6) Chloroethane	2.71	64	141281	19.821	ug/l	100
7) Trichlorofluoromethane	3.03	101	297546	19.846	ug/l	99
8) Diethyl Ether	3.41	74	120422	21.291	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186134	19.472	ug/l	98
10) Methyl Iodide	3.96	142	248969	18.546	ug/l	99
11) Tert butyl alcohol	4.78	59	63546	105.915	ug/l	98
12) 1,1-Dichloroethene	3.74	96	183744	19.896	ug/l	98
13) Acrolein	3.61	56	65658	120.690	ug/l	97
14) Allyl chloride	4.33	41	305294	21.341	ug/l	94
15) Acrylonitrile	4.99	53	358064	107.425	ug/l	99
16) Acetone	3.81	43	219752	113.982	ug/l	96
17) Carbon Disulfide	4.06	76	485886	16.132	ug/l	99
18) Methyl Acetate	4.33	43	197300	23.092	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	535021	21.648	ug/l	98
20) Methylene Chloride	4.55	84	220961	21.010	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	193552	19.506	ug/l	97
22) Diisopropyl ether	5.95	45	669367	21.921	ug/l	99
23) Vinyl Acetate	5.90	43	1912596	108.927	ug/l	99
24) 1,1-Dichloroethane	5.85	63	379351	20.907	ug/l	99
25) 2-Butanone	6.83	43	374197	115.651	ug/l	99
26) 2,2-Dichloropropane	6.83	77	229277	16.553	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	229449	20.425	ug/l	99
28) Bromochloromethane	7.20	49	170653	21.705	ug/l	97
29) Tetrahydrofuran	7.21	42	267980	110.894	ug/l	98
30) Chloroform	7.37	83	371024	20.815	ug/l	100
31) Cyclohexane	7.66	56	345396	19.659	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	304591	20.060	ug/l	99
36) 1,1-Dichloropropene	7.79	75	280611	19.194	ug/l	100
37) Ethyl Acetate	6.93	43	175829	21.544	ug/l	99
38) Carbon Tetrachloride	7.77	117	253969	18.952	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308550	17.373	ug/l	99
40) Benzene	8.04	78	872985	20.075	ug/l	98
41) Methacrylonitrile	7.17	41	111667	23.680	ug/l	89
42) 1,2-Dichloroethane	8.13	62	256134	19.938	ug/l	99
43) Isopropyl Acetate	8.16	43	330211	20.287	ug/l	99
44) Trichloroethene	8.84	130	237574	18.888	ug/l	98
45) 1,2-Dichloropropane	9.12	63	234813	20.731	ug/l	99
46) Dibromomethane	9.21	93	131240	19.890	ug/l	99
47) Bromodichloromethane	9.40	83	274629	19.580	ug/l	100
48) Methyl methacrylate	9.20	41	170057	21.473	ug/l	99
49) 1,4-Dioxane	9.20	88	40702	406.289	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	884819	111.949	ug/l	100
52) Toluene	10.16	92	541652	20.095	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	271918	18.436	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	321122	18.968	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191443	20.359	ug/l	100
56) Ethyl methacrylate	10.43	69	258493	20.769	ug/l	98
57) 1,3-Dichloropropane	10.71	76	335662	20.816	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	723785	105.926	ug/l	99
59) 2-Hexanone	10.75	43	586881	109.748	ug/l	99
60) Dibromochloromethane	10.90	129	204750	19.022	ug/l	100
61) 1,2-Dibromoethane	11.01	107	192377	20.144	ug/l	99
64) Tetrachloroethene	10.63	164	261492	17.867	ug/l	99
65) Chlorobenzene	11.43	112	596101	19.903	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206349	19.813	ug/l	100
67) Ethyl Benzene	11.51	91	1015935	19.725	ug/l	100
68) m/p-Xylenes	11.62	106	772434	39.450	ug/l	99
69) o-Xylene	11.95	106	378883	20.165	ug/l	99
70) Styrene	11.96	104	612332	19.987	ug/l	100
71) Bromoform	12.13	173	137943	18.334	ug/l	99
73) Isopropylbenzene	12.25	105	996415	21.536	ug/l	100
74) N-amyl acetate	12.07	43	287748	22.401	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222582	24.522	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	283423	28.472	ug/l #	100
77) Bromobenzene	12.53	156	253880	21.110	ug/l	99
78) n-propylbenzene	12.59	91	1091603	20.716	ug/l	100
79) 2-Chlorotoluene	12.67	91	660467	20.221	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	777467	20.616	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54803	17.744	ug/l	98
82) 4-Chlorotoluene	12.77	91	662026	20.706	ug/l	99
83) tert-Butylbenzene	12.99	119	688748	20.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	783419	20.665	ug/l	100
85) sec-Butylbenzene	13.17	105	889790	19.724	ug/l	99
86) p-Isopropyltoluene	13.29	119	760129	19.500	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	419179	19.693	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	409639	19.004	ug/l	99
89) n-Butylbenzene	13.62	91	575315	17.155	ug/l	100
90) Hexachloroethane	13.88	117	112934	18.879	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	394369	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30209	19.248	ug/l	96

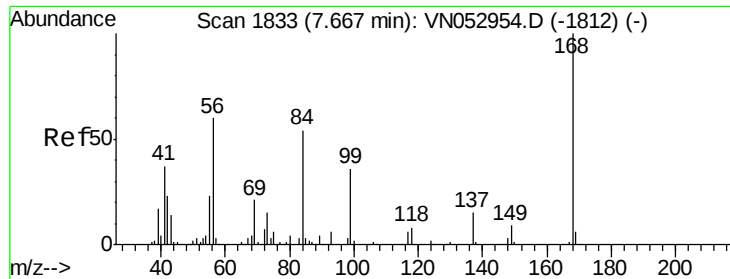
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
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Instrument :
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Quant Time: Dec 23 23:11:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : 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	176630	17.039	ug/l	98
94) Hexachlorobutadiene	15.01	225	111449	18.469	ug/l	100
95) Naphthalene	15.13	128	395581	17.771	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161062	17.188	ug/l	99

(#) = 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: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

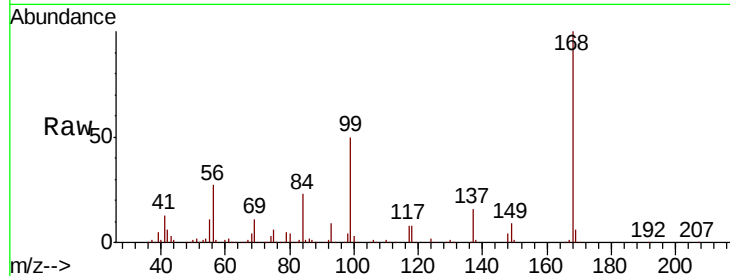
VN1222MBS02

Tot Ion:168 Resp: 968953

Ion Ratio Lower Upper

168 100

99 49.8 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

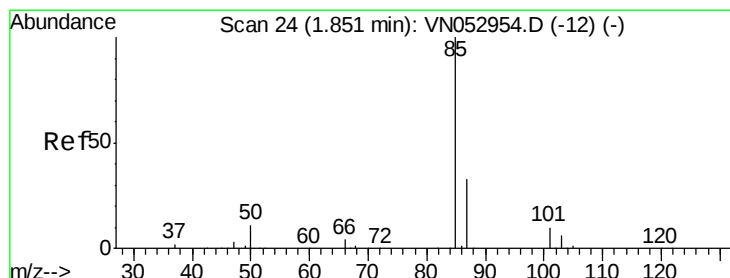
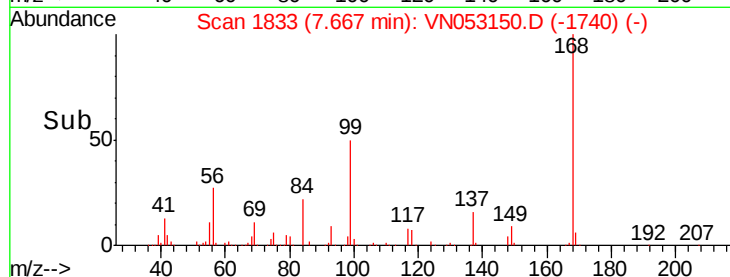
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.513 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053150.D

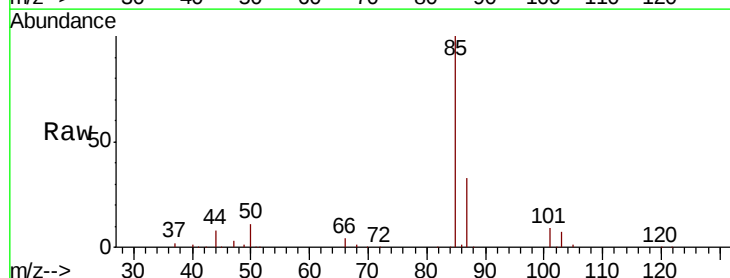
Acq: 22 Dec 2018 23:52

Tgt Ion: 85 Resp: 181551

Ion Ratio Lower Upper

85 100

87 32.6 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

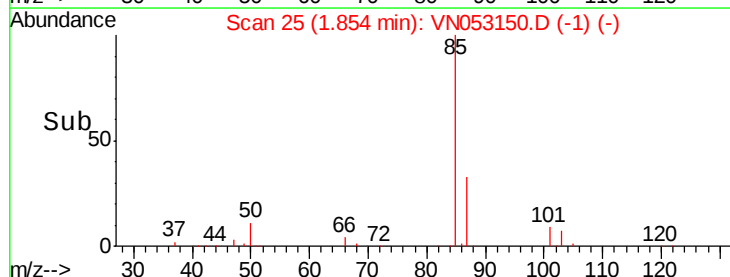
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.417 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

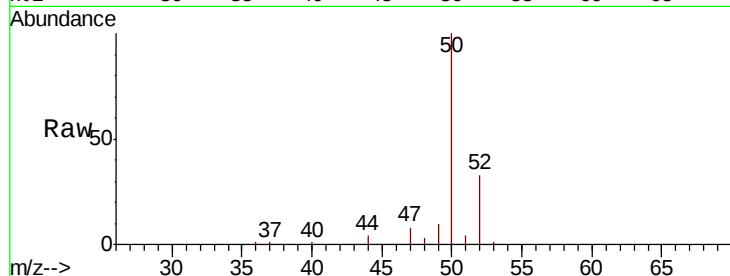
VN1222MBS02

Tot Ion: 50 Resp: 230741

Ion Ratio Lower Upper

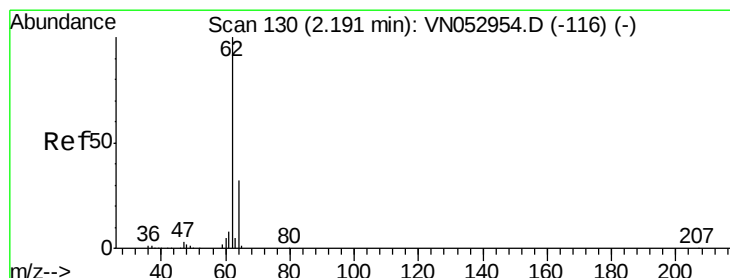
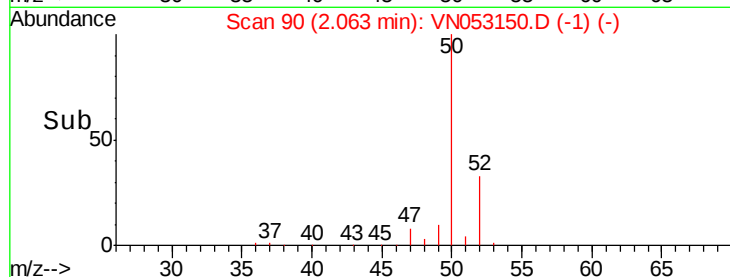
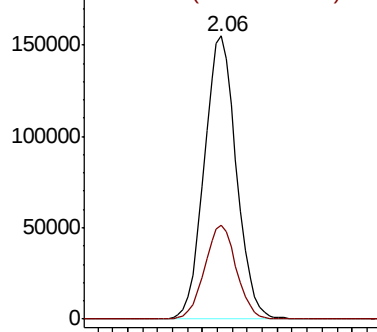
50 100

52 33.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.552 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053150.D

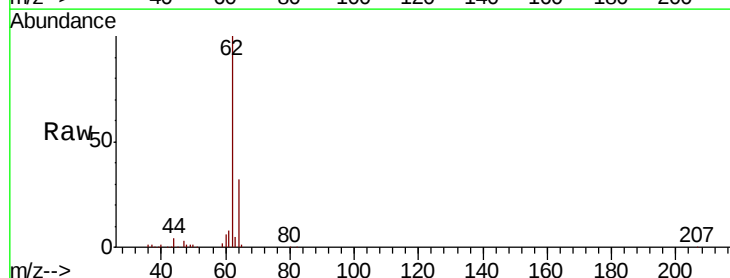
Acq: 22 Dec 2018 23:52

Tgt Ion: 62 Resp: 235307

Ion Ratio Lower Upper

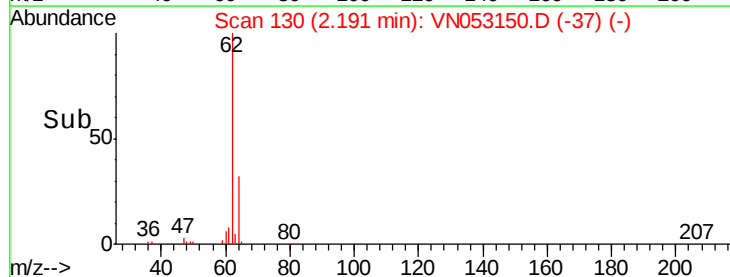
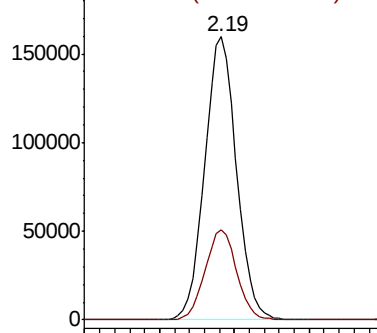
62 100

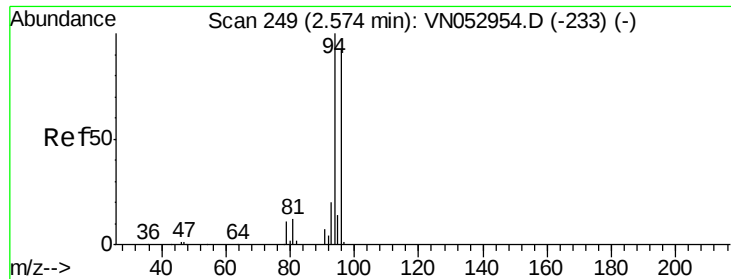
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.102 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

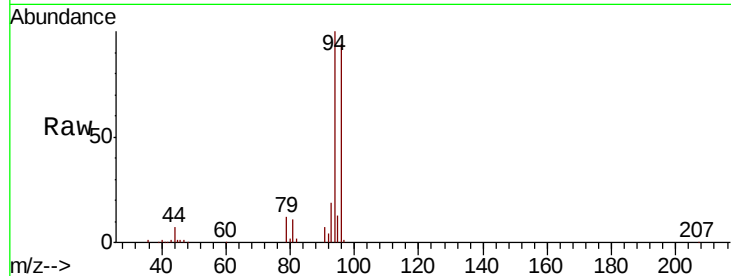
VN1222MBS02

Tot Ion: 94 Resp: 150940

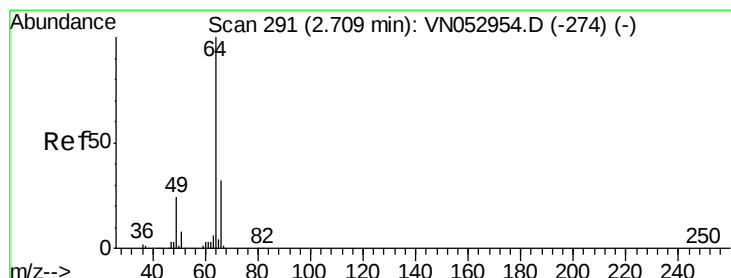
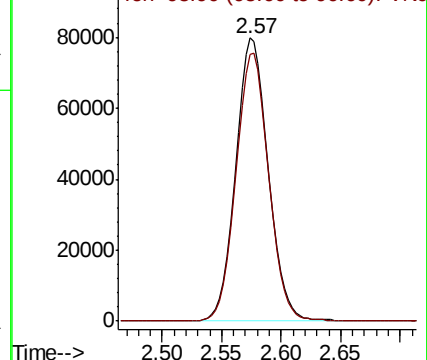
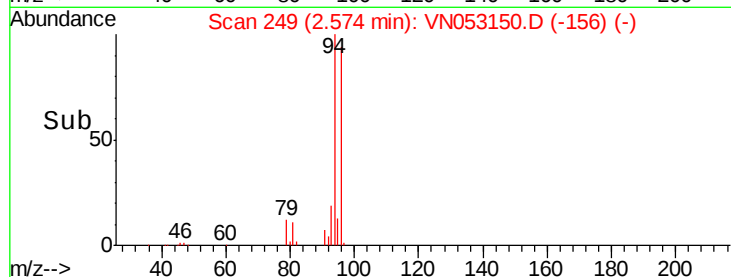
Ion Ratio Lower Upper

94 100

96 94.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN053150.D (-156) (-)



#6

Chloroethane

Concen: 19.821 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053150.D

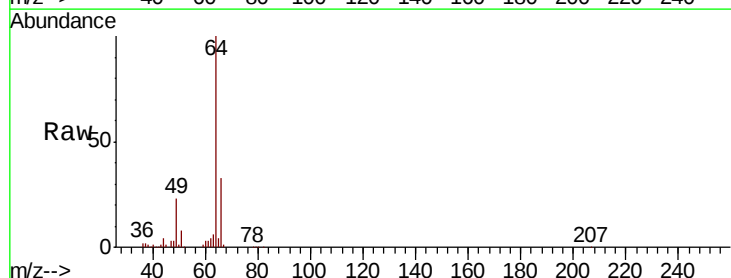
Acq: 22 Dec 2018 23:52

Tgt Ion: 64 Resp: 141281

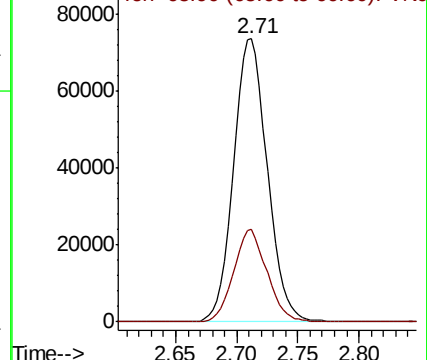
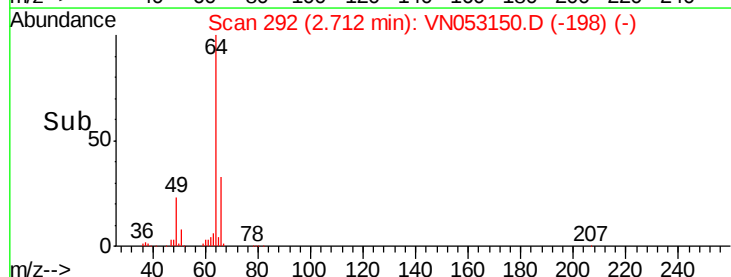
Ion Ratio Lower Upper

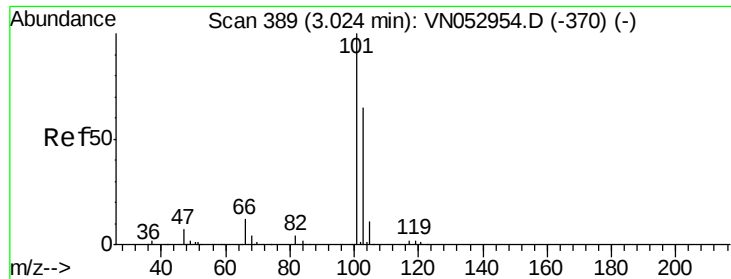
64 100

66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN053150.D (-198) (-)



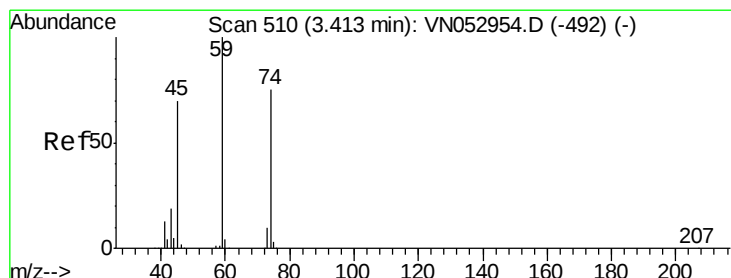
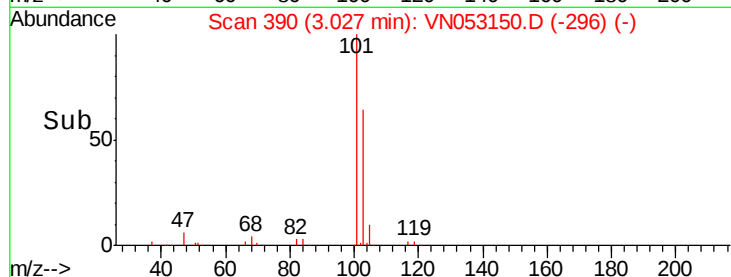
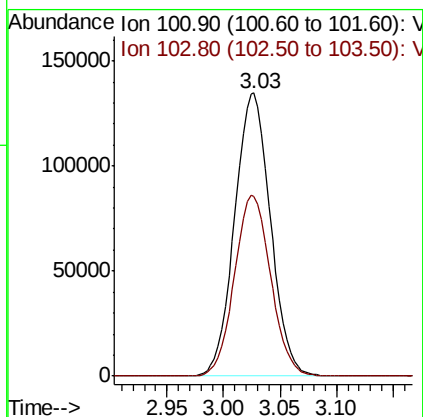
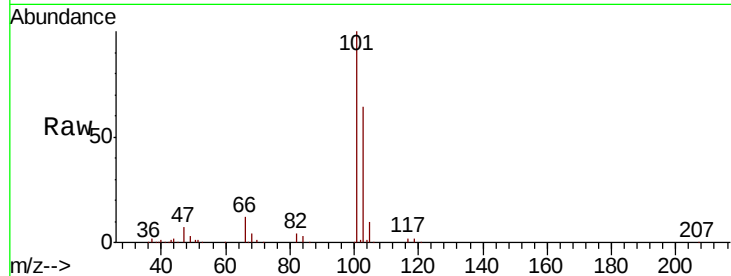


#7

Trichlorofluoromethane
 Concen: 19.846 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

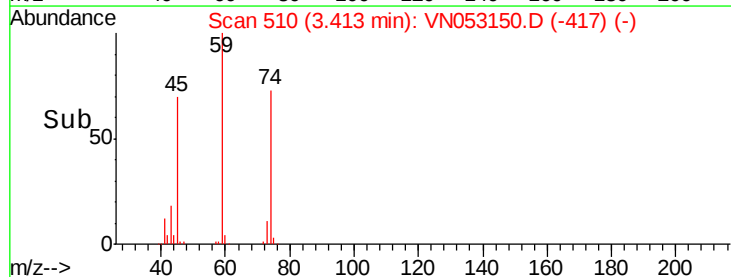
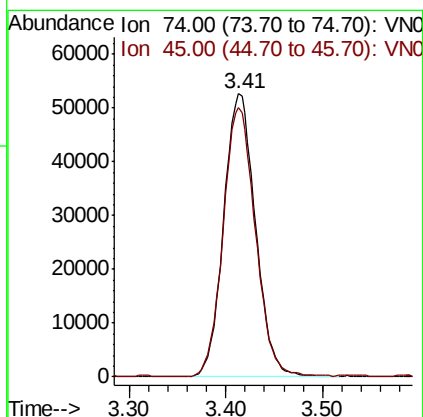
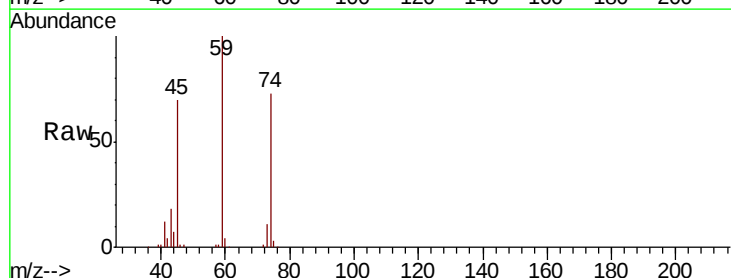
Tot Ion:101 Resp: 297546
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.6

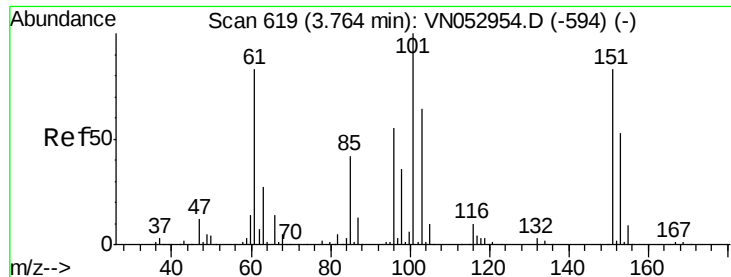


#8

Diethyl Ether
 Concen: 21.291 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 74 Resp: 120422
 Ion Ratio Lower Upper
 74 100
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.472 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

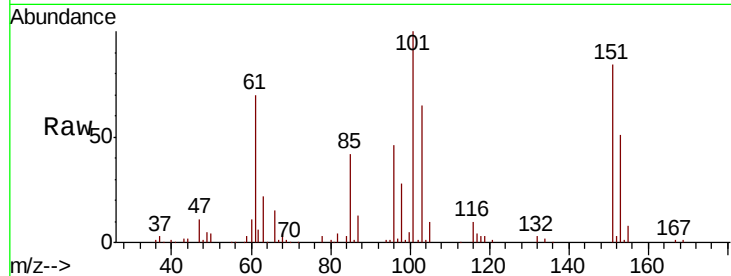
Tot Ion:101 Resp: 186134

Ion Ratio Lower Upper

101 100

85 41.2 33.6 50.4

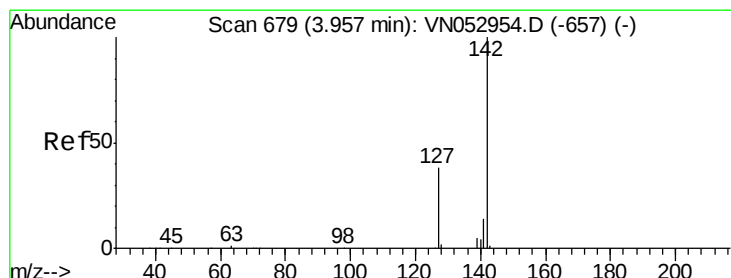
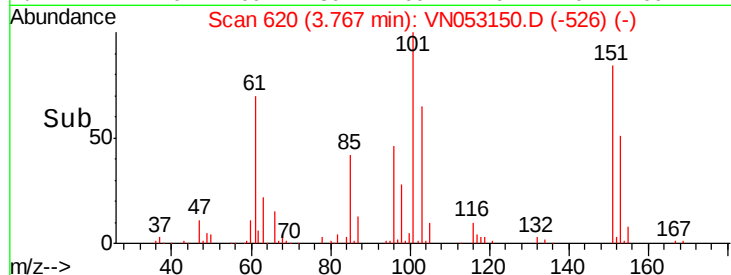
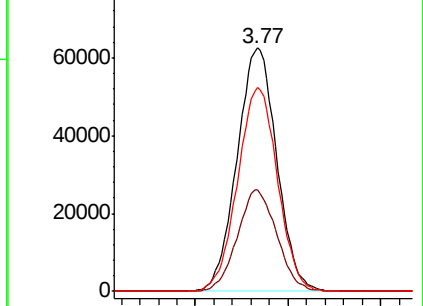
151 84.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.546 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

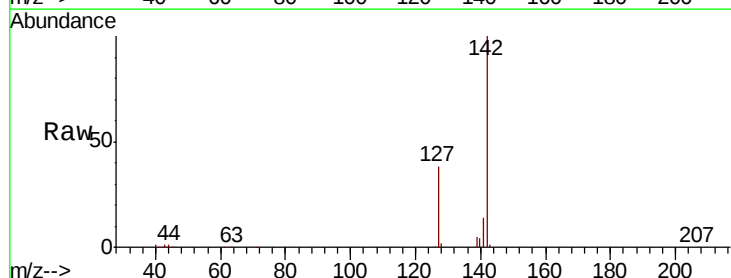
Tgt Ion:142 Resp: 248969

Ion Ratio Lower Upper

142 100

127 37.8 31.0 46.6

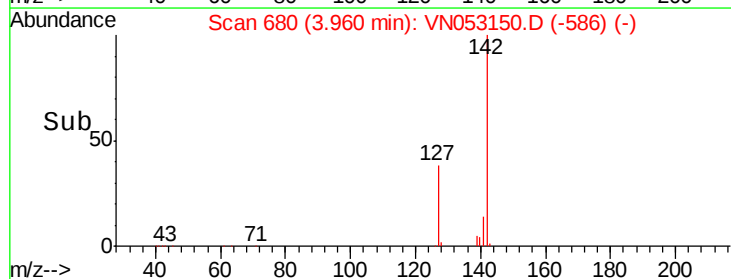
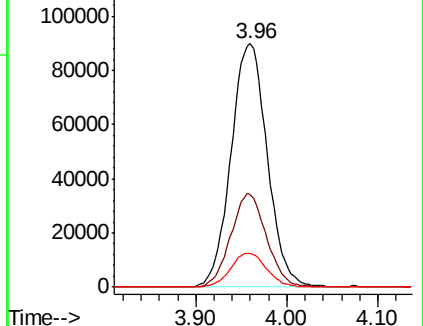
141 13.8 11.2 16.8

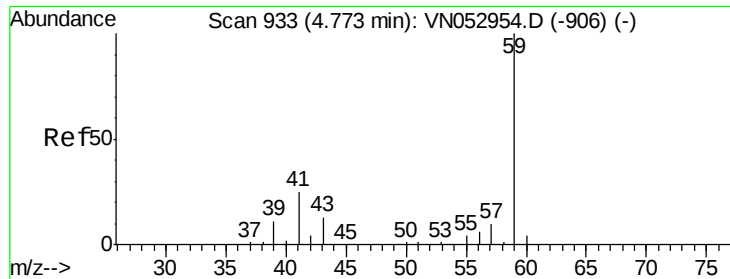


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

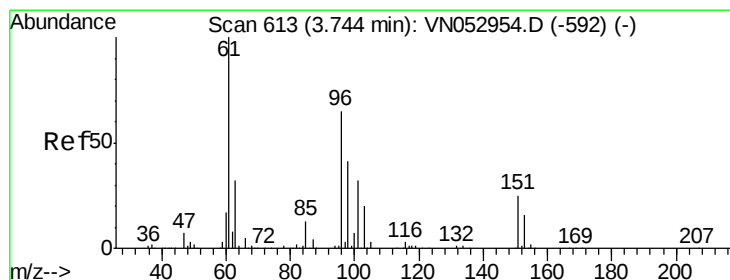
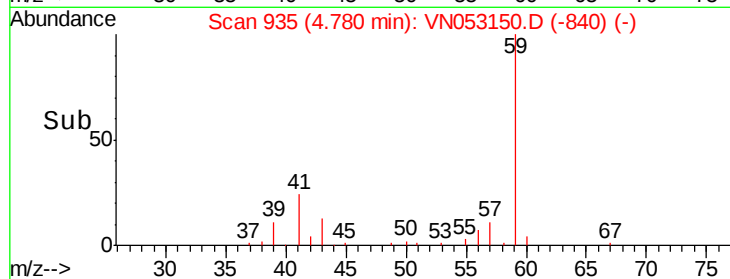
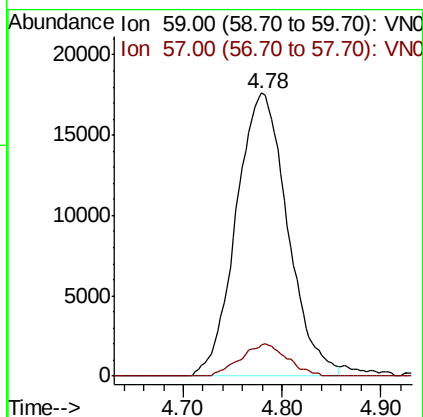
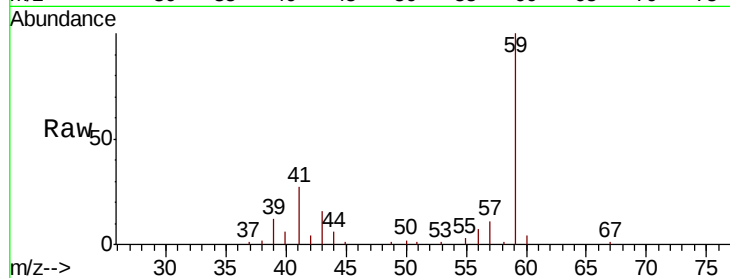




#11
Tert butyl alcohol
Concen: 105.915 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

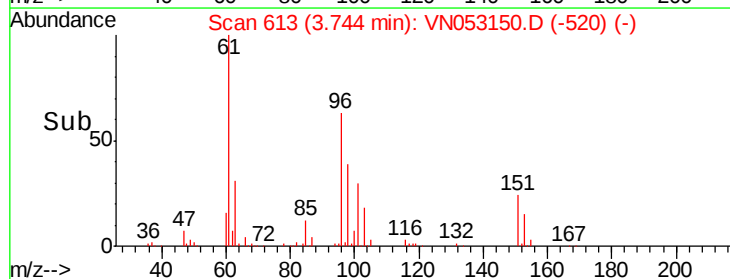
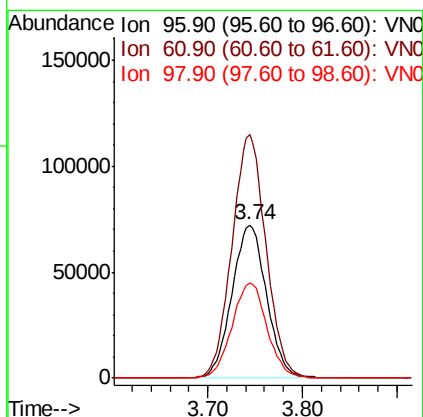
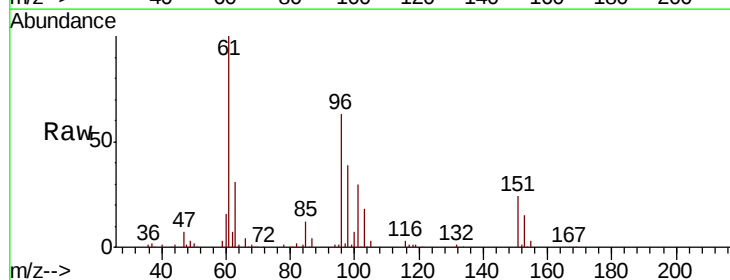
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

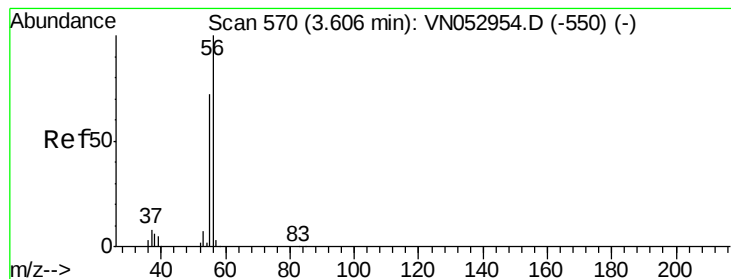
Tot Ion: 59 Resp: 63546
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5



#12
1,1-Dichloroethene
Concen: 19.896 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 96 Resp: 183744
Ion Ratio Lower Upper
96 100
61 159.4 125.6 188.4
98 62.0 50.6 75.8





#13

Acrolein

Concen: 120.690 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

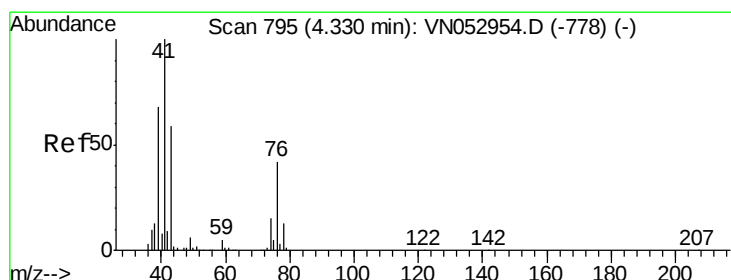
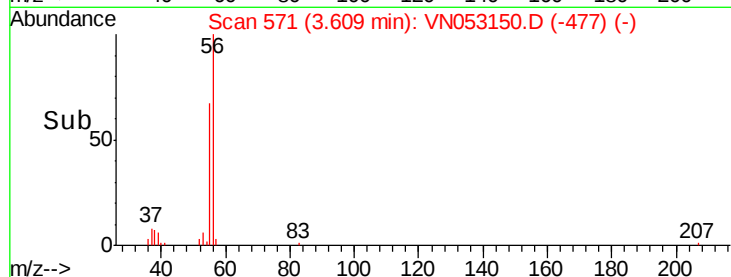
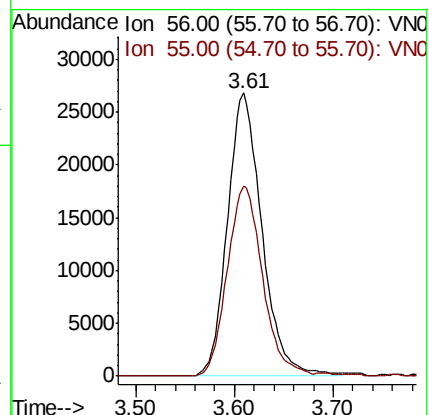
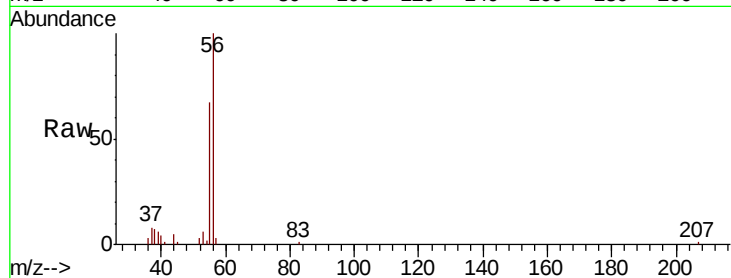
VN1222MBS02

Tot Ion: 56 Resp: 65658

Ion Ratio Lower Upper

56 100

55 68.5 56.6 85.0



#14

Allyl chloride

Concen: 21.341 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

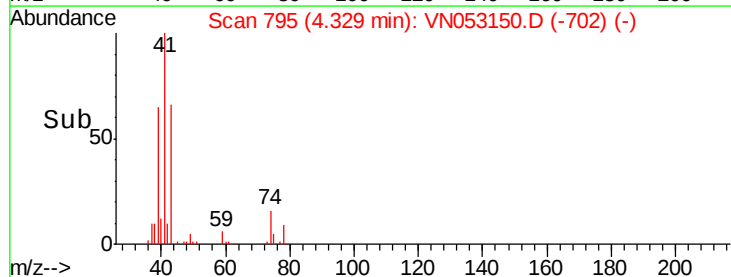
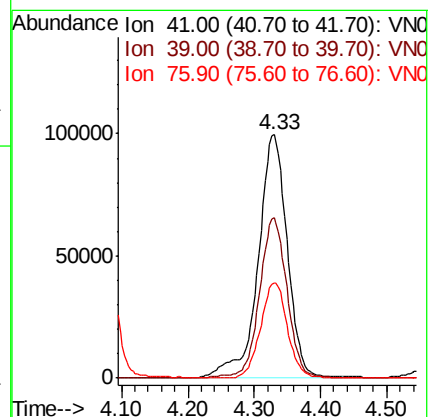
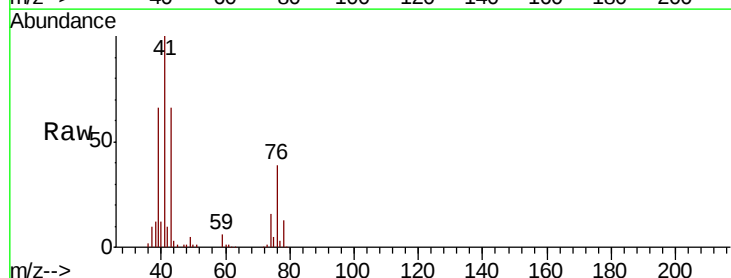
Tgt Ion: 41 Resp: 305294

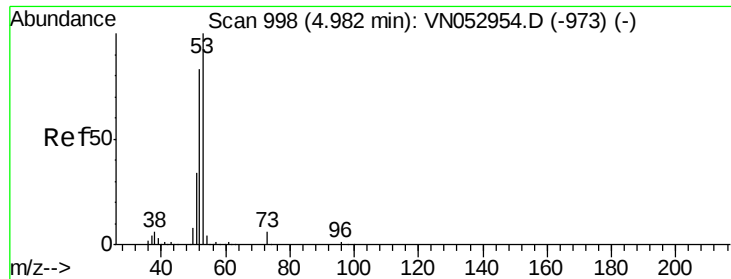
Ion Ratio Lower Upper

41 100

39 62.2 54.1 81.1

76 35.6 30.3 45.5





#15

Acrylonitrile

Concen: 107.425 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS02

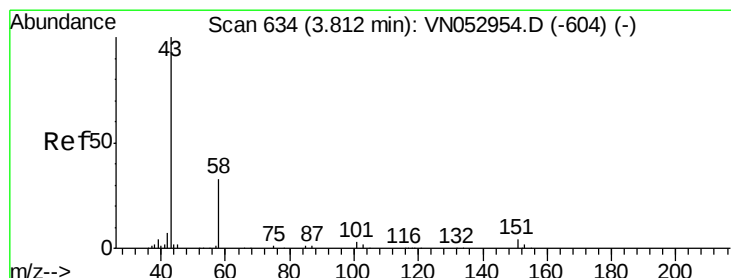
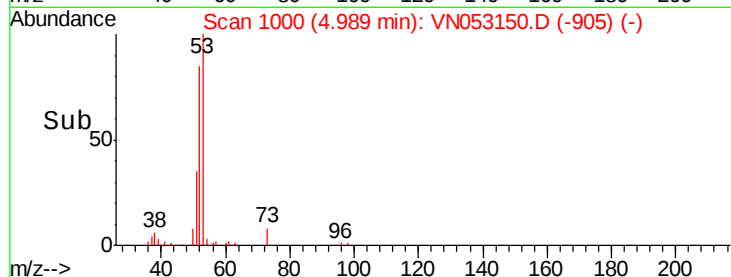
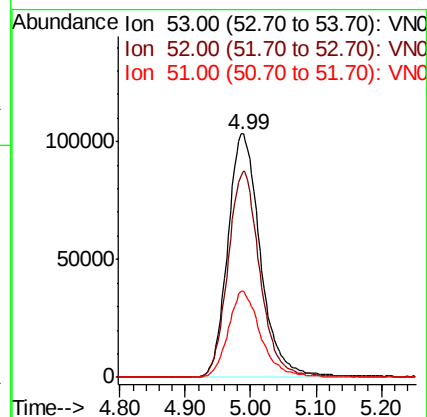
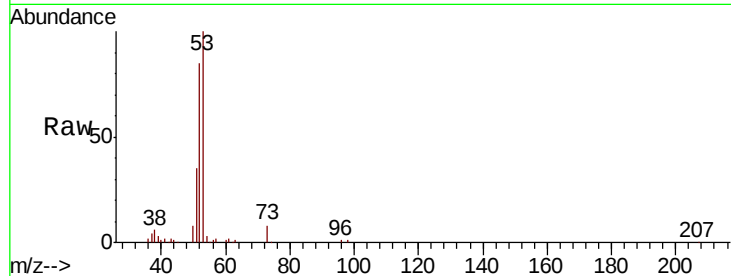
Tot Ion: 53 Resp: 358064

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

51 35.3 28.1 42.1



#16

Acetone

Concen: 113.982 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053150.D

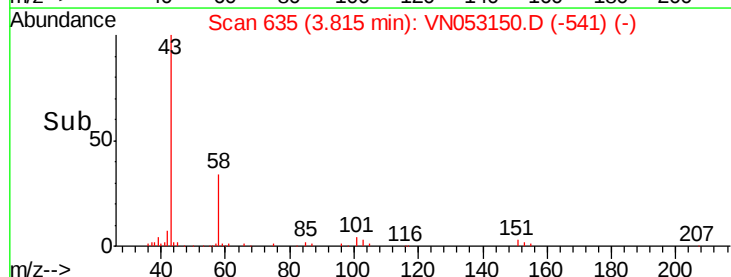
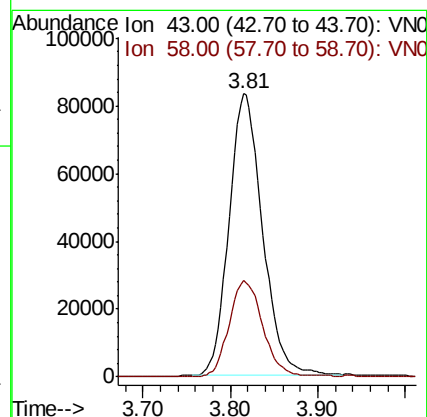
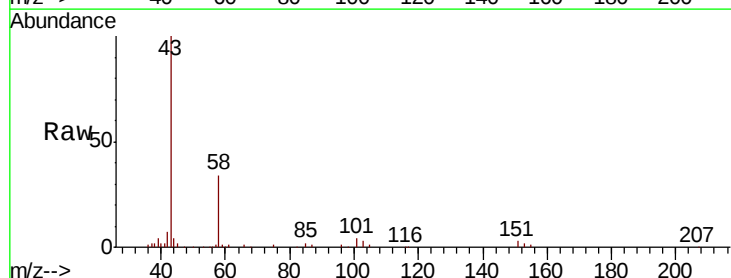
Acq: 22 Dec 2018 23:52

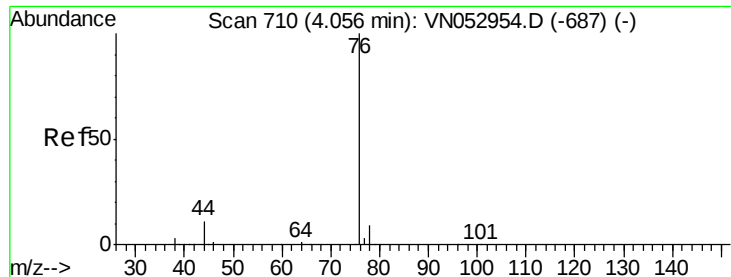
Tgt Ion: 43 Resp: 219752

Ion Ratio Lower Upper

43 100

58 33.9 25.4 38.0





#17

Carbon Disulfide

Concen: 16.132 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

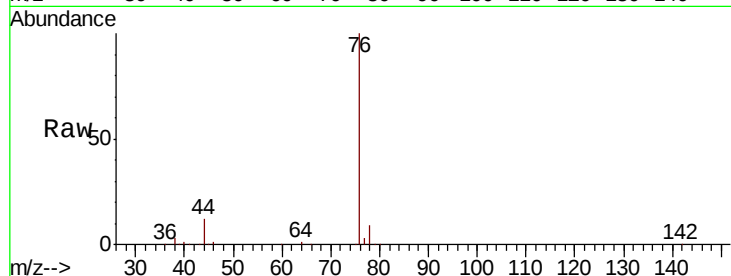
VN1222MBS02

Tot Ion: 76 Resp: 485886

Ion Ratio Lower Upper

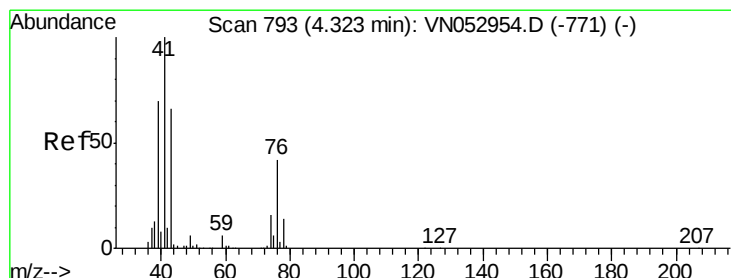
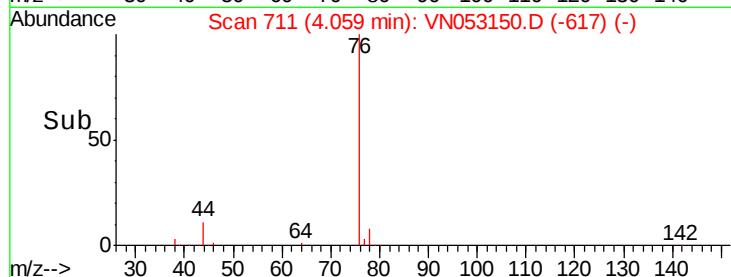
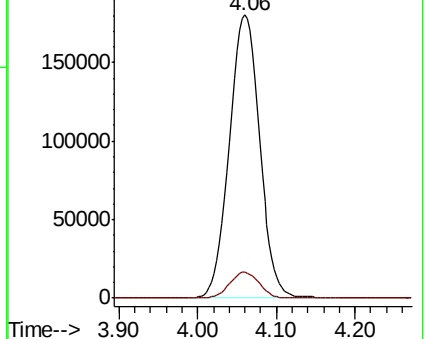
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053150.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053150.D (-617) (-)



#18

Methyl Acetate

Concen: 23.092 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053150.D

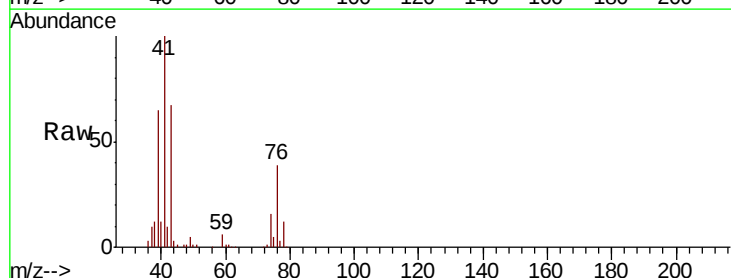
Acq: 22 Dec 2018 23:52

Tgt Ion: 43 Resp: 197300

Ion Ratio Lower Upper

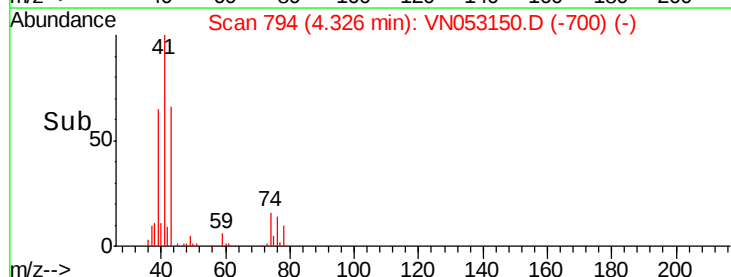
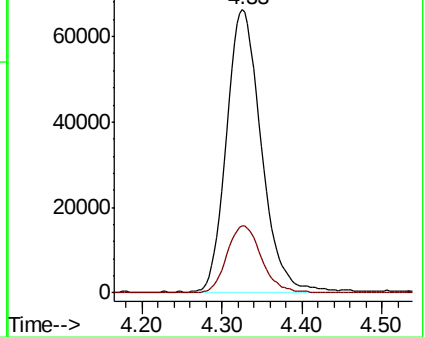
43 100

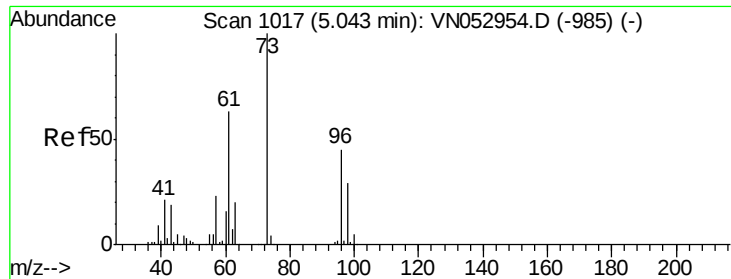
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053150.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053150.D (-700) (-)



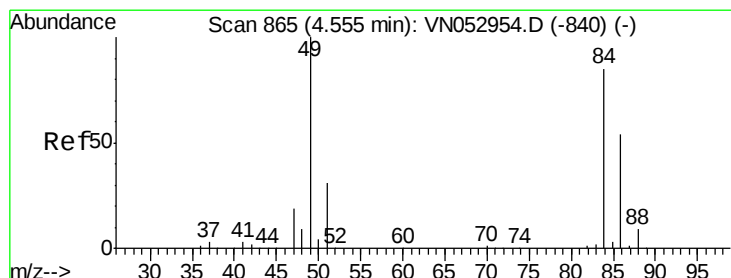
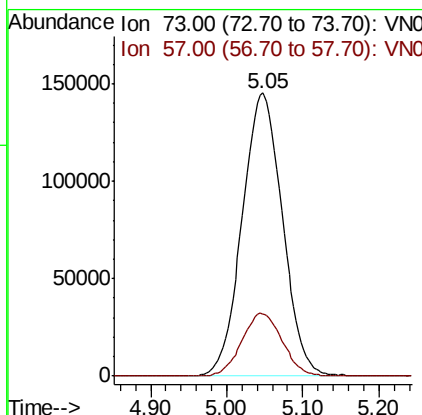
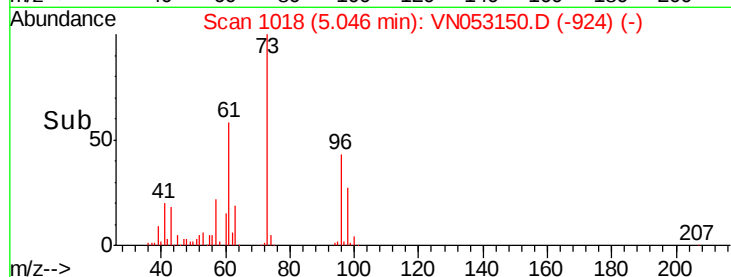
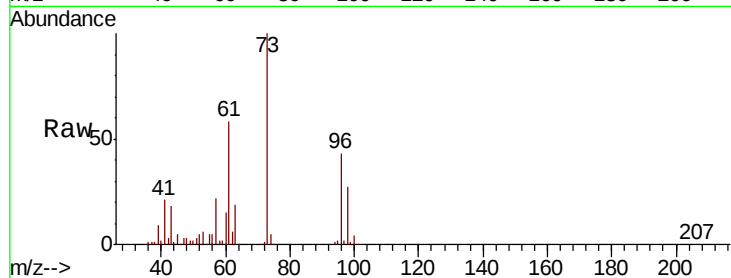


#19

Methyl tert-butyl Ether
 Concen: 21.648 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

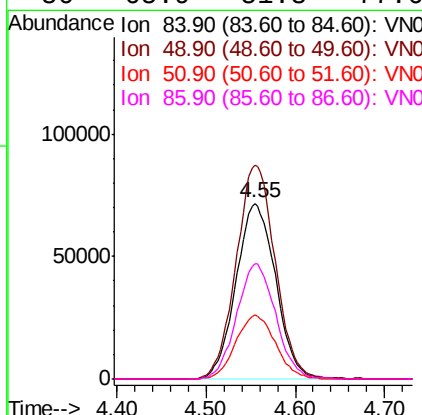
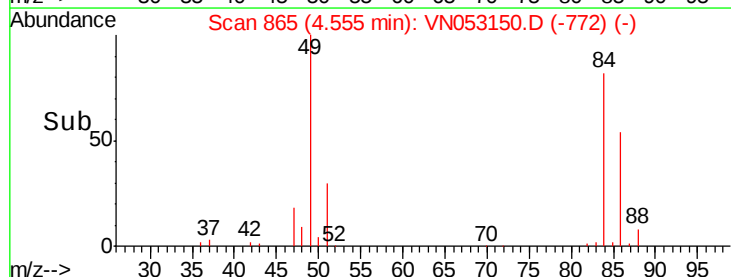
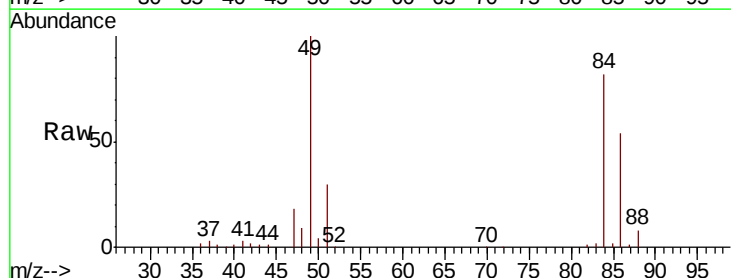
Tot Ion: 73 Resp: 535021
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.4 27.6

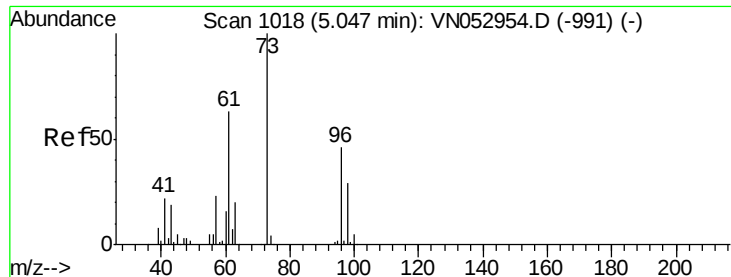


#20

Methylene Chloride
 Concen: 21.010 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 84 Resp: 220961
 Ion Ratio Lower Upper
 84 100
 49 121.4 96.8 145.2
 51 36.6 29.9 44.9
 86 65.9 51.8 77.6

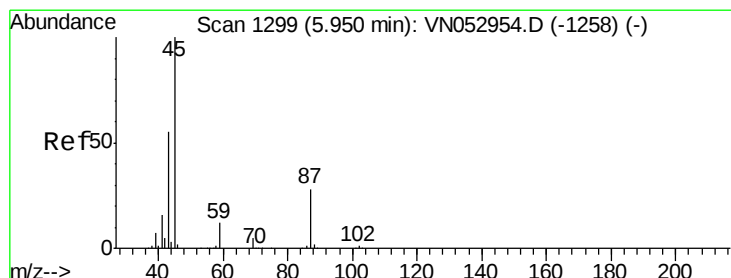
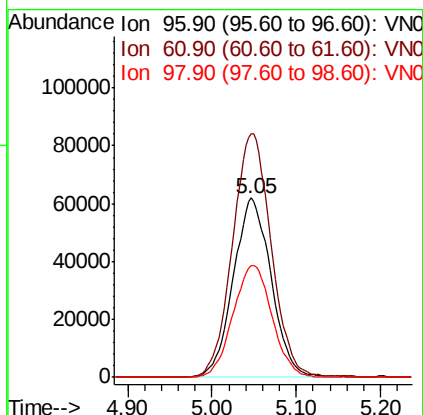
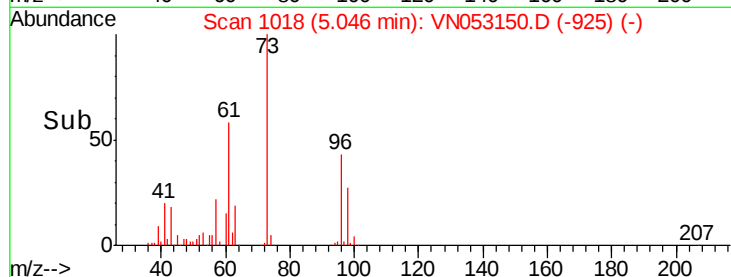
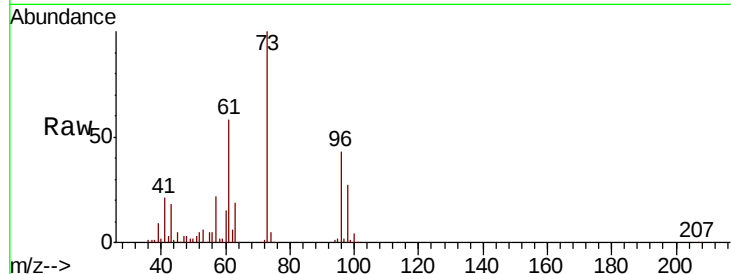




#21
trans-1,2-Dichloroethene
Concen: 19.506 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

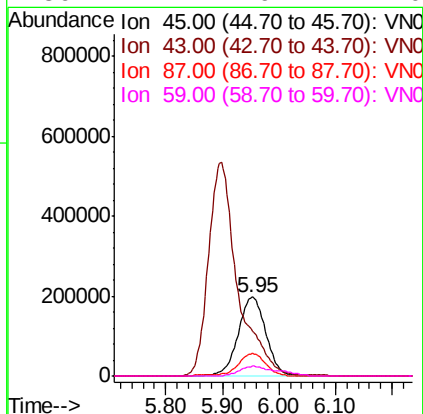
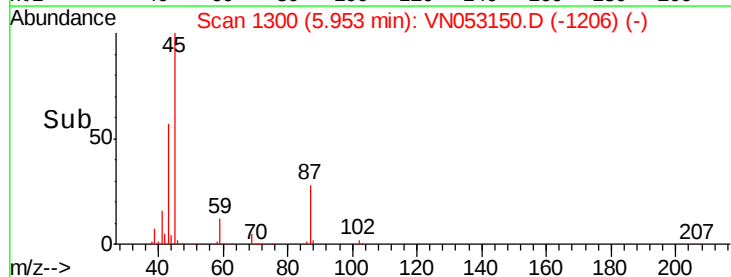
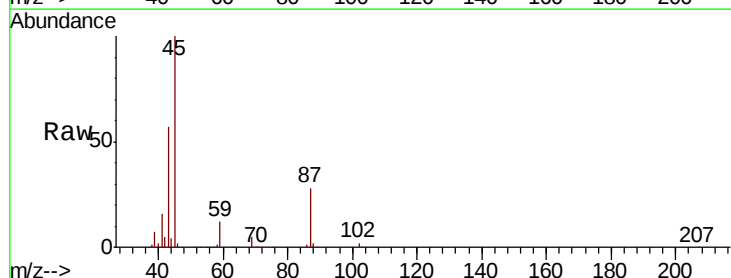
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

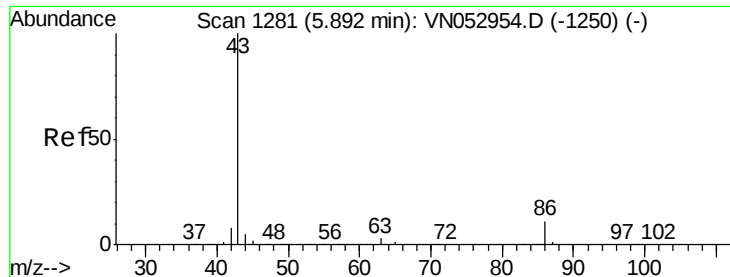
Tot Ion: 96 Resp: 193552
Ion Ratio Lower Upper
96 100
61 135.4 110.8 166.2
98 62.4 51.4 77.2



#22
Diisopropyl ether
Concen: 21.921 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 45 Resp: 669367
Ion Ratio Lower Upper
45 100
43 56.8 45.5 68.3
87 28.4 22.0 33.0
59 12.4 9.4 14.0

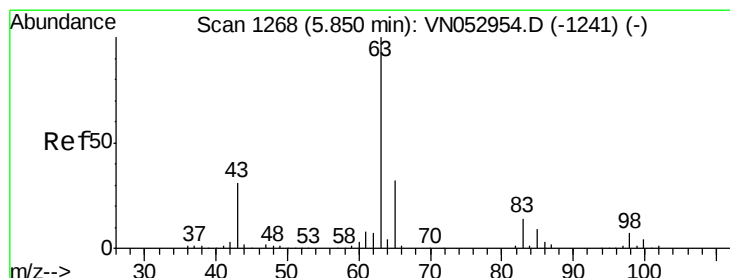
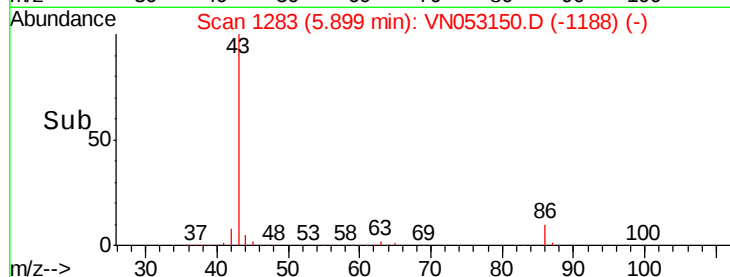
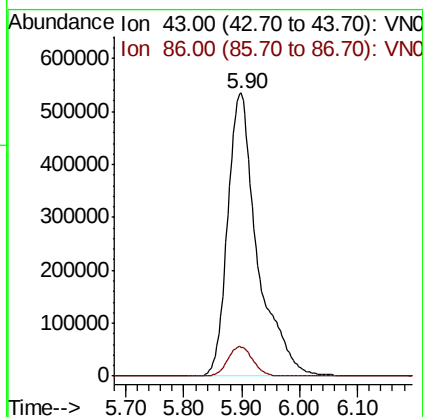
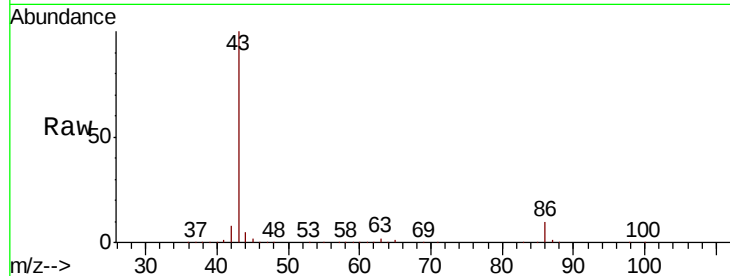




#23
 Vinyl Acetate
 Concen: 108.927 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

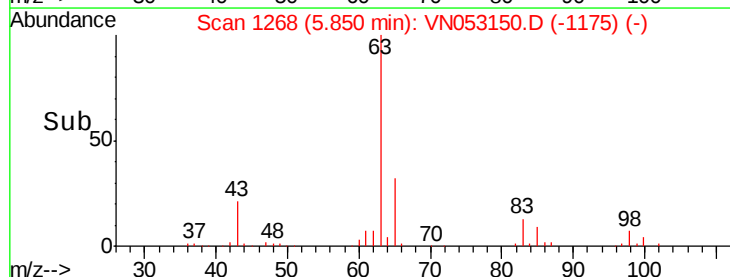
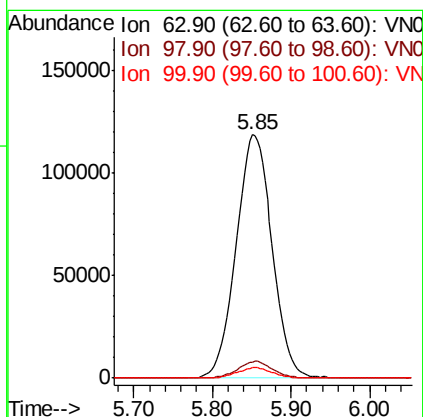
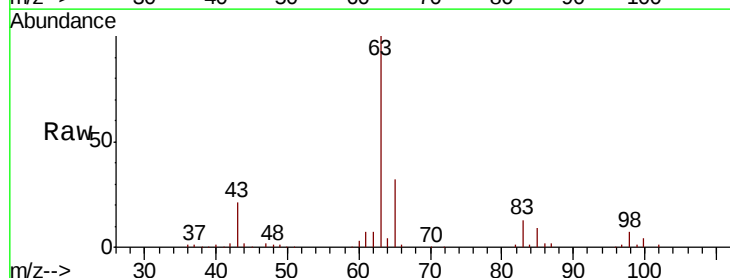
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

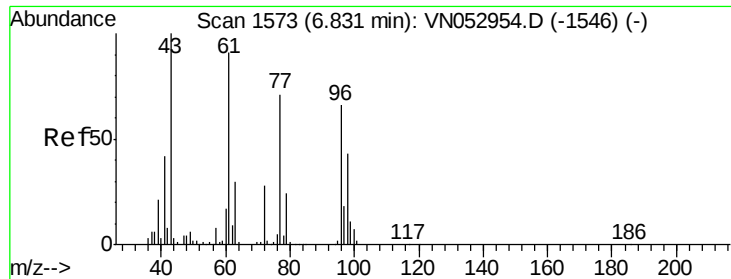
Tot Ion: 43 Resp: 1912596
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.907 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 63 Resp: 379351
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 115.651 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

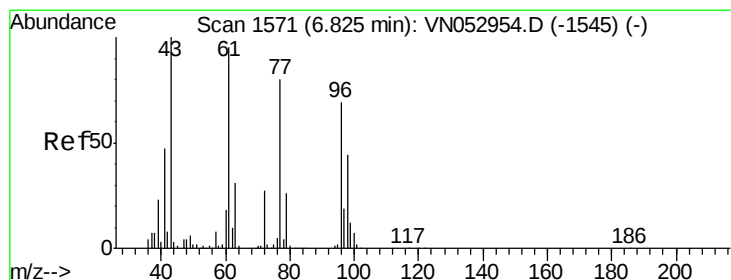
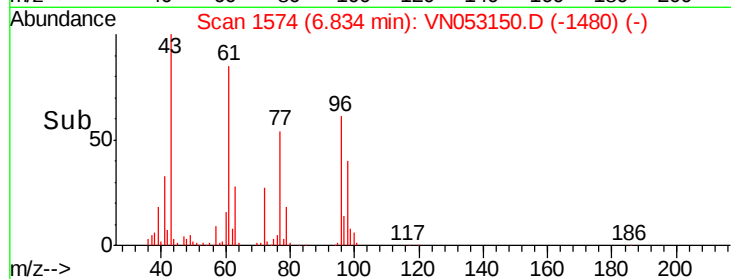
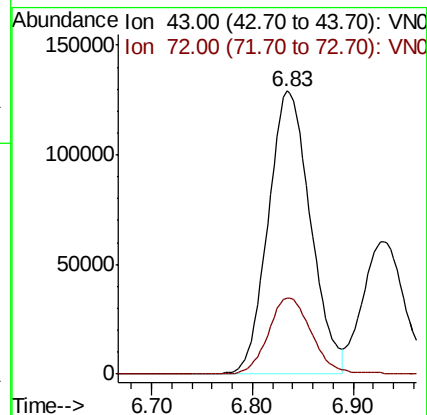
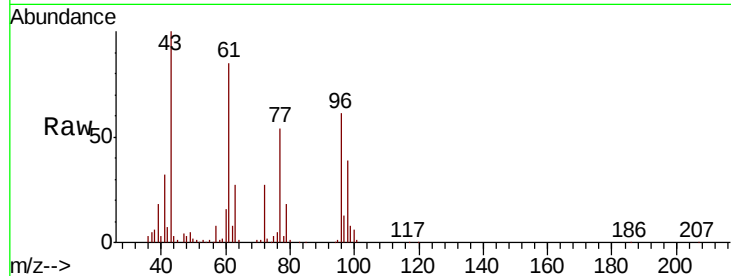
VN1222MBS02

Tot Ion: 43 Resp: 374197

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.6



#26

2,2-Dichloropropane

Concen: 16.553 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053150.D

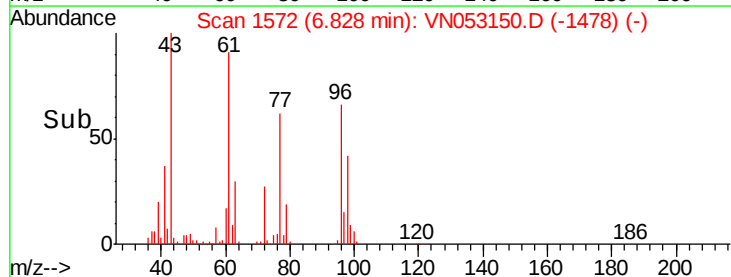
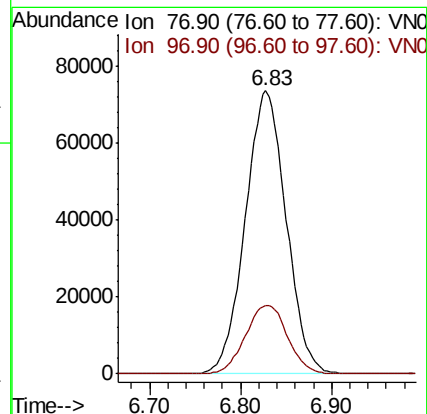
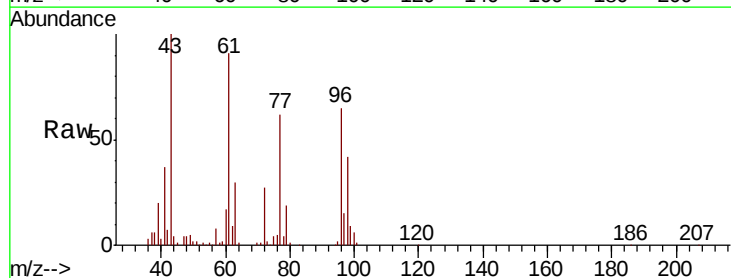
Acq: 22 Dec 2018 23:52

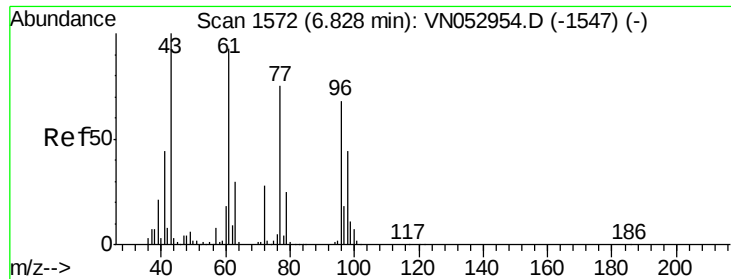
Tgt Ion: 77 Resp: 229277

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.425 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS02

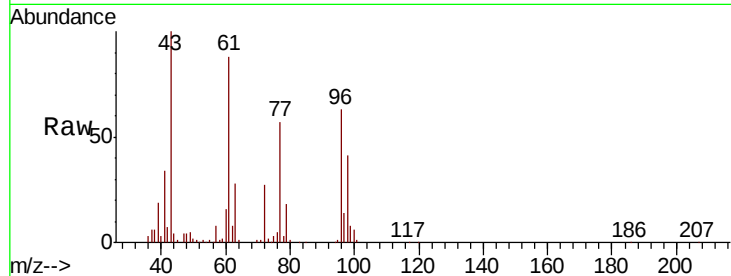
Tot Ion: 96 Resp: 229449

Ion Ratio Lower Upper

96 100

61 140.9 0.0 284.2

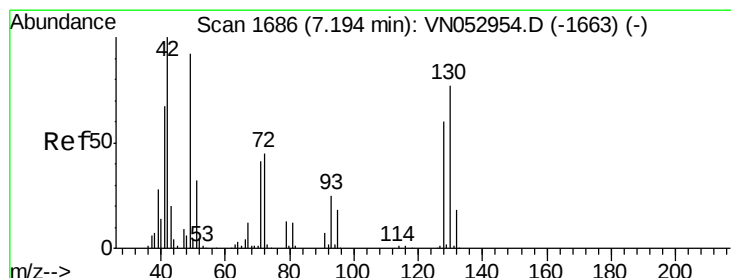
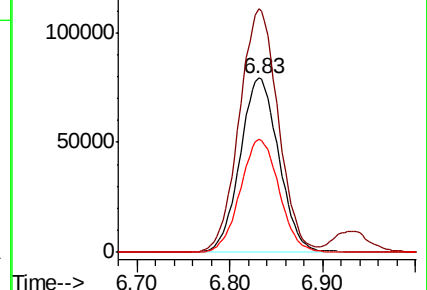
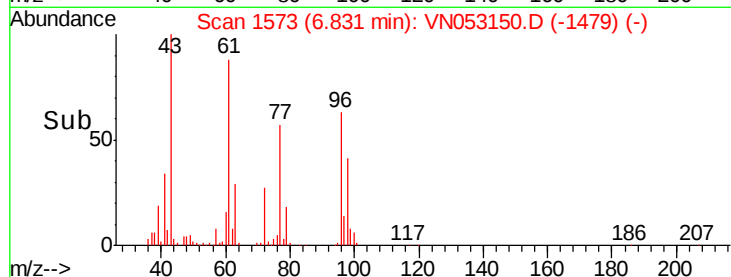
98 65.0 0.0 129.2



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: 21.705 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

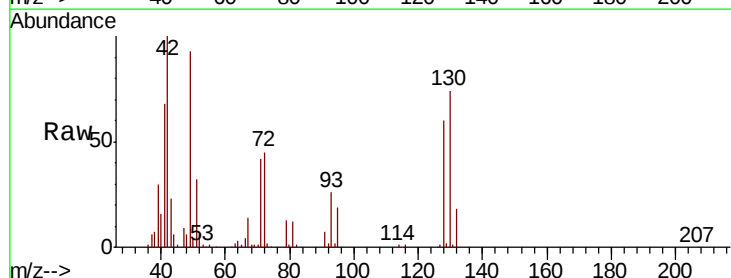
Tgt Ion: 49 Resp: 170653

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

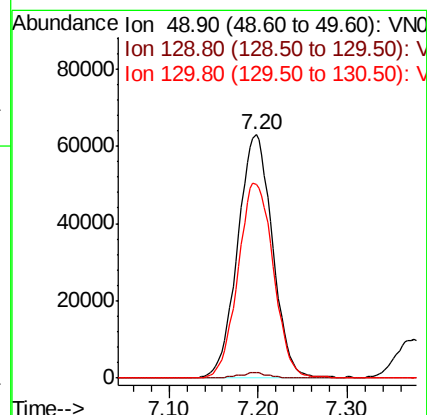
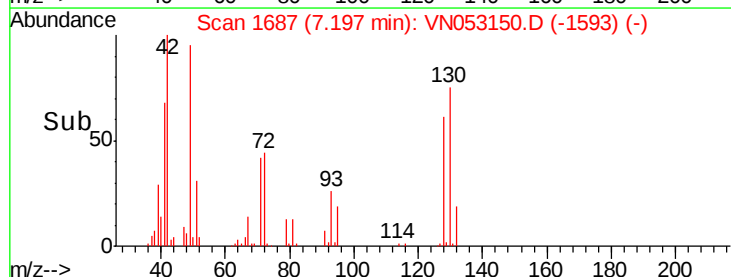
130 81.5 63.3 94.9



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

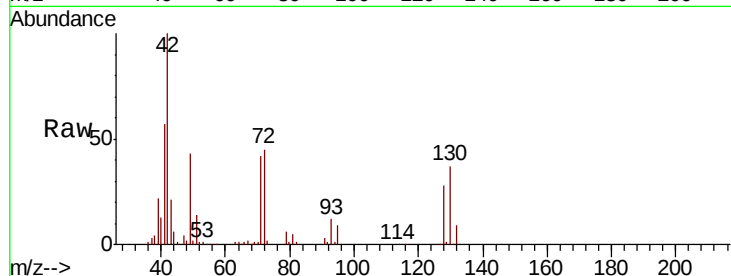




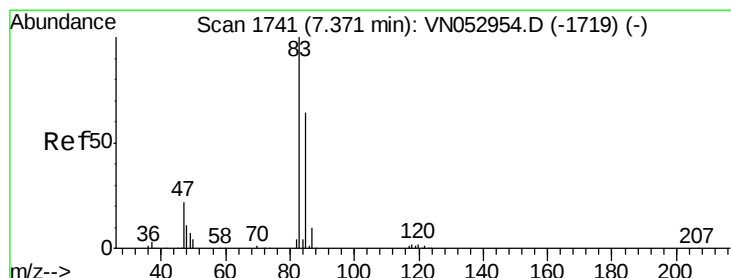
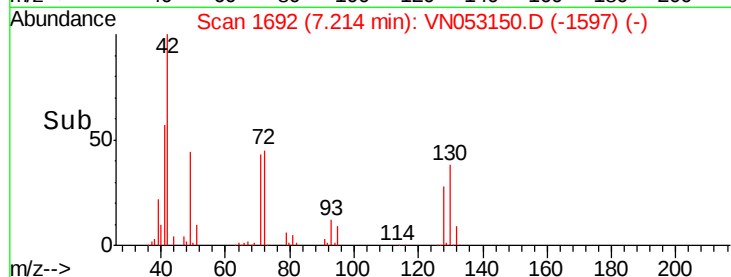
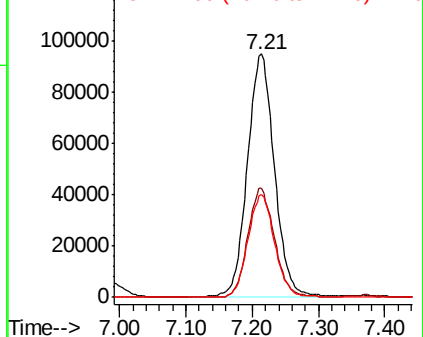
#29
Tetrahydrofuran
Concen: 110.894 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tot Ion: 42 Resp: 267980
Ion Ratio Lower Upper
42 100
72 44.2 34.7 52.1
71 41.8 32.3 48.5

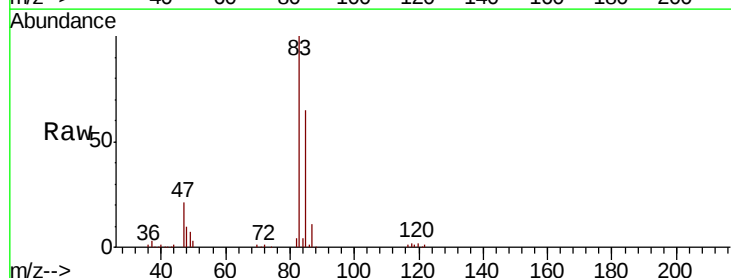


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

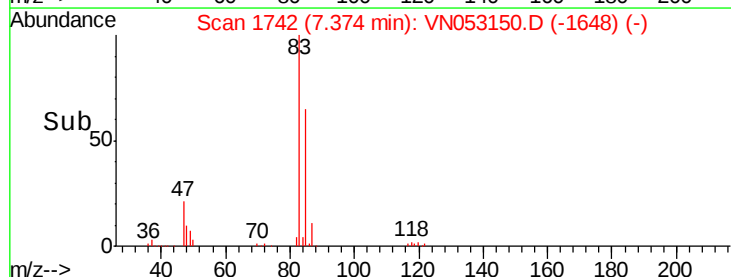
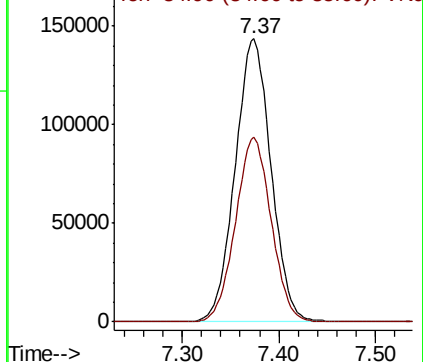


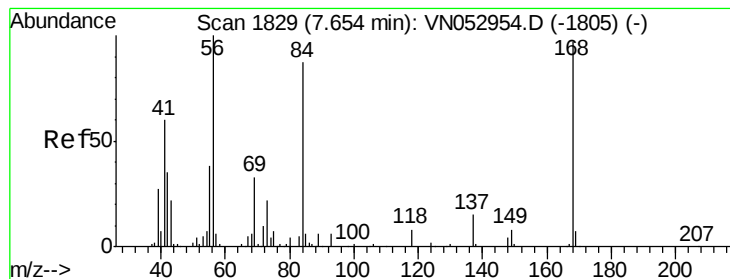
#30
Chloroform
Concen: 20.815 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 83 Resp: 371024
Ion Ratio Lower Upper
83 100
85 65.4 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.659 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

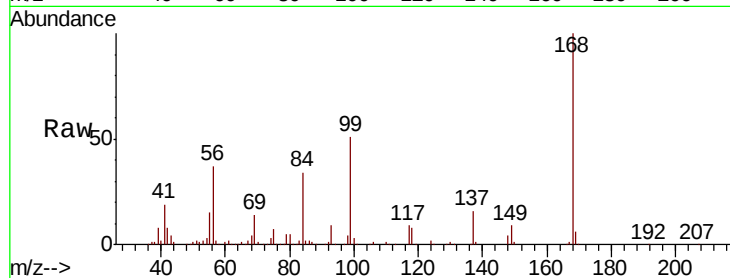
Tot Ion: 56 Resp: 345396

Ion Ratio Lower Upper

56 100

69 37.1 26.6 39.8

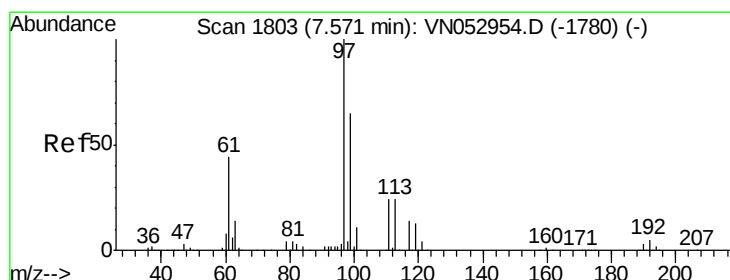
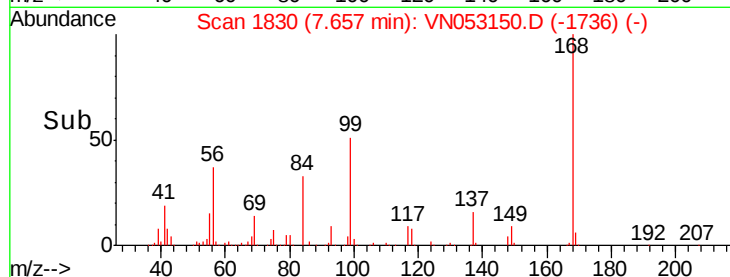
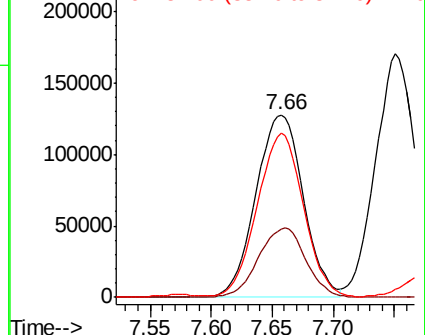
84 89.0 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053150.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053150.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053150.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.060 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

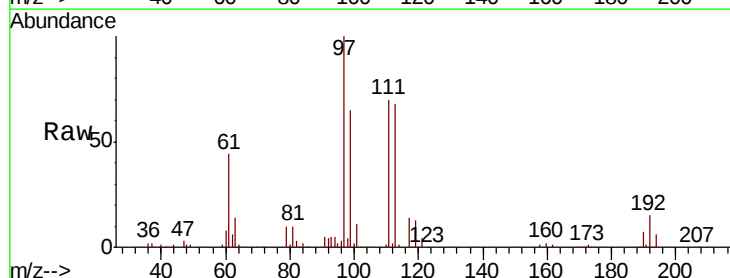
Tgt Ion: 97 Resp: 304591

Ion Ratio Lower Upper

97 100

99 65.0 51.1 76.7

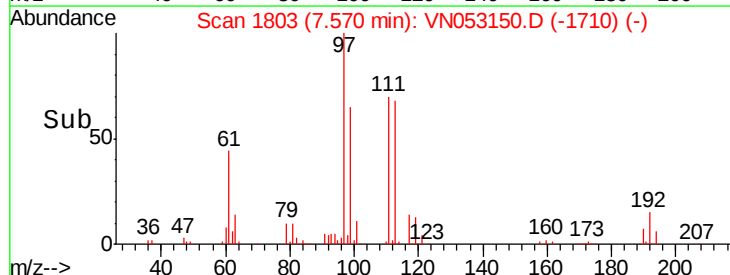
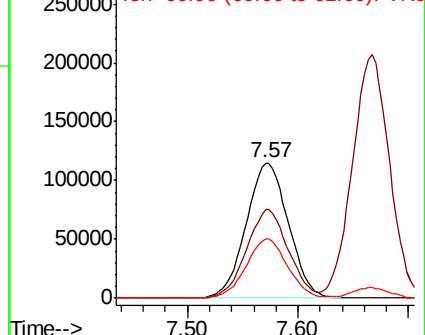
61 42.8 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053150.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053150.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053150.D (-1710) (-)

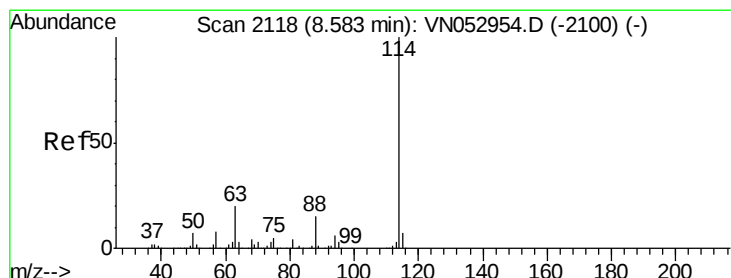
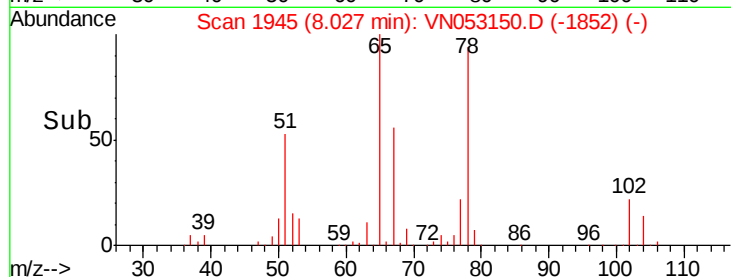
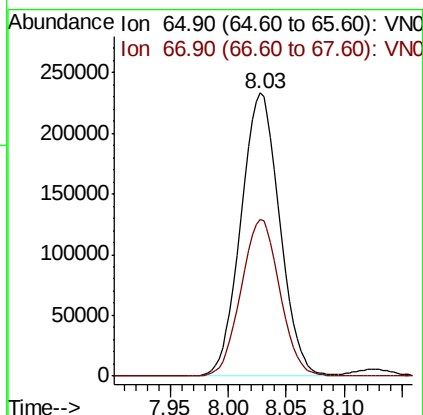
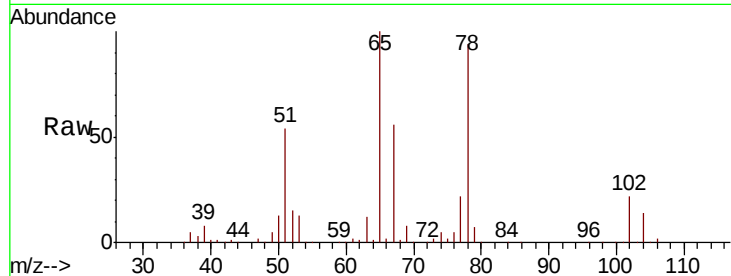




#33
 1,2-Dichloroethane-d4
 Concen: 20.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

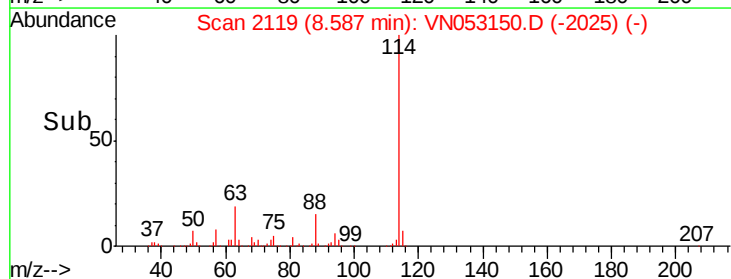
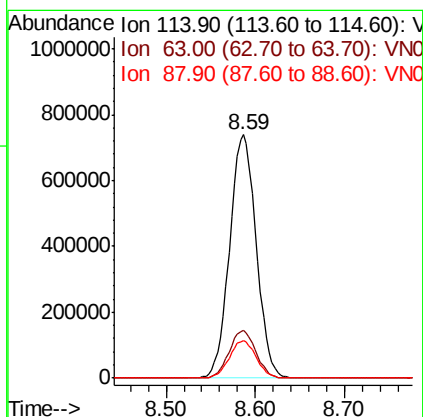
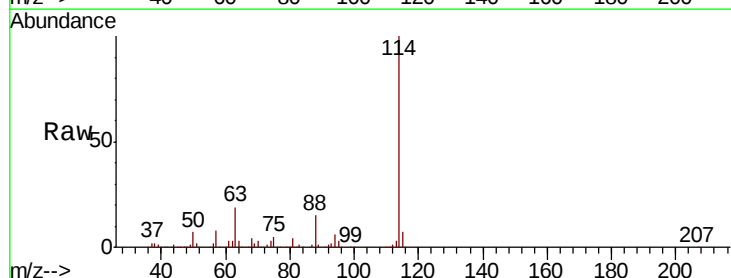
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1222MBS02

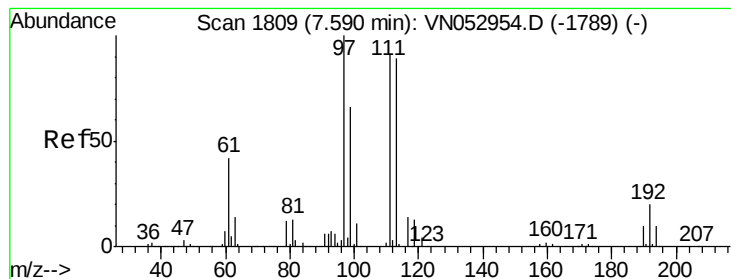
Tot Ion: 65 Resp: 544468
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 114 Resp: 1523166
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

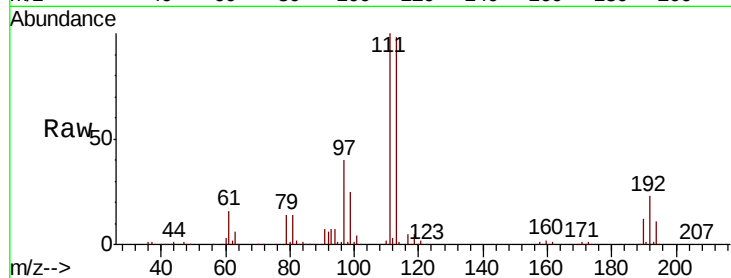
Tot Ion:113 Resp: 440283

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

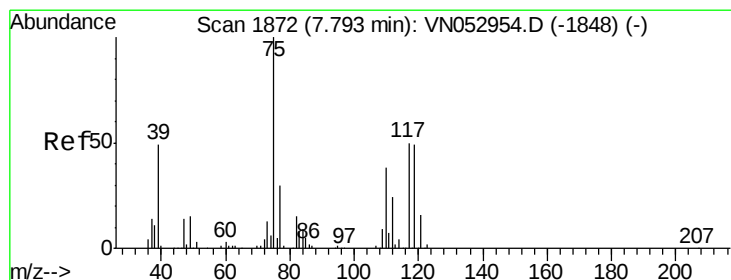
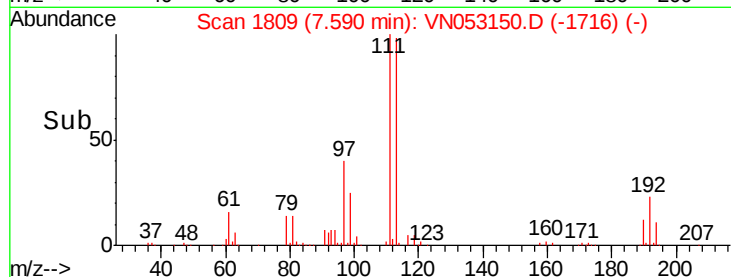
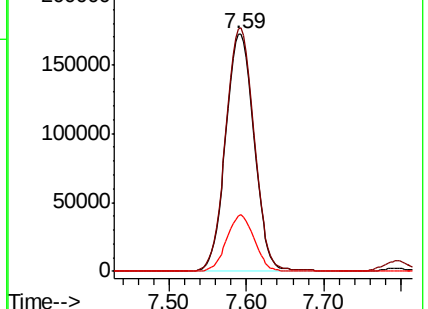
192 23.0 17.5 26.3



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: 19.194 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

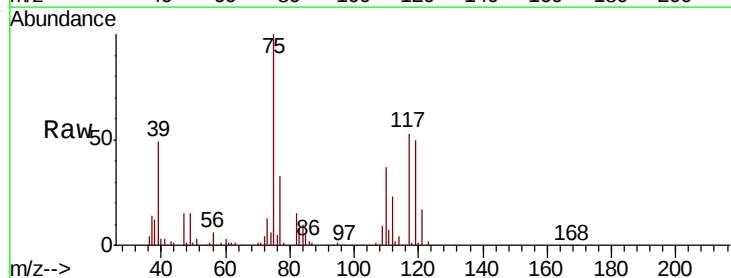
Tgt Ion: 75 Resp: 280611

Ion Ratio Lower Upper

75 100

110 36.4 18.2 54.6

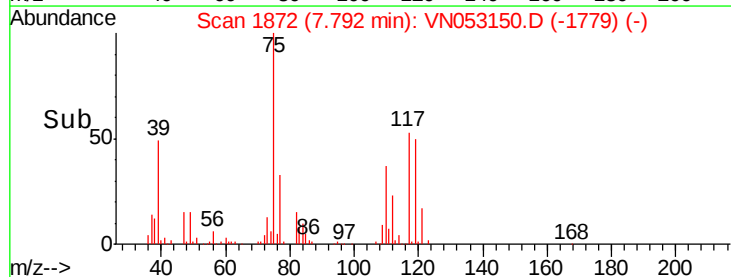
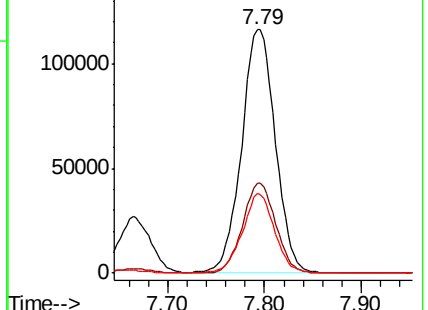
77 31.3 24.9 37.3

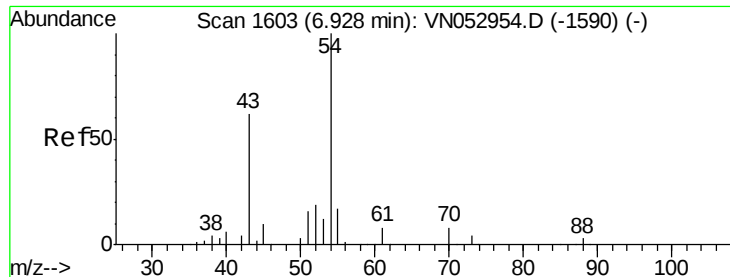


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

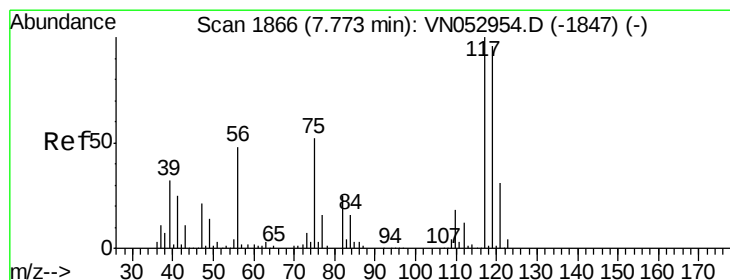
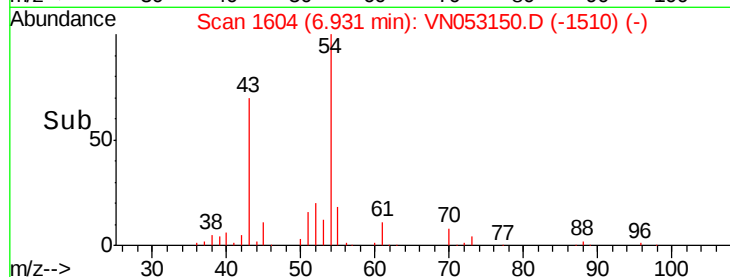
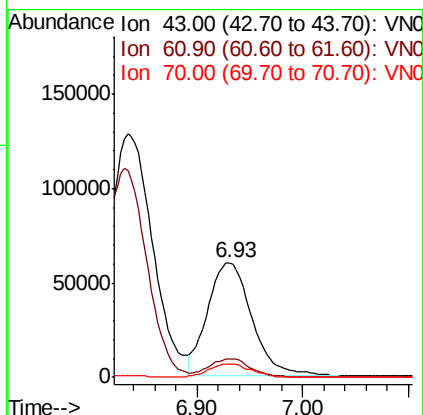
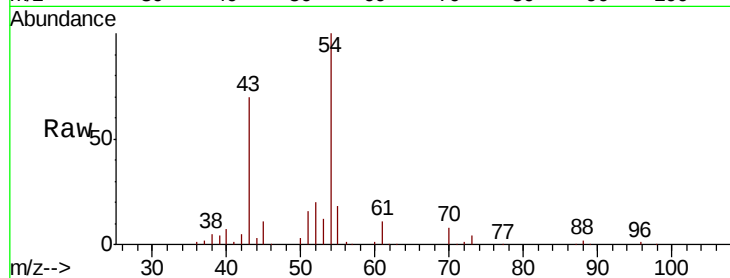




#37
Ethyl Acetate
Concen: 21.544 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

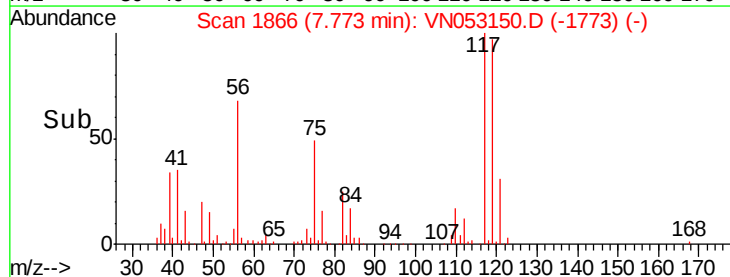
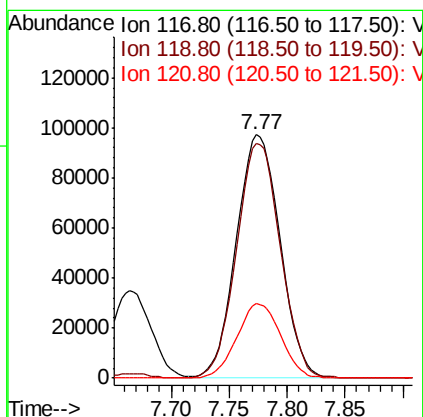
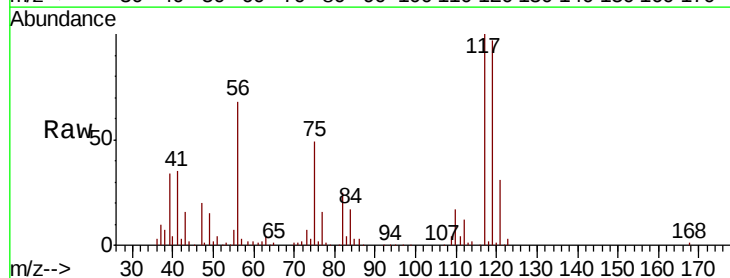
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tot Ion: 43 Resp: 175829
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 11.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.952 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 117 Resp: 253969
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7
121 30.8 24.9 37.3

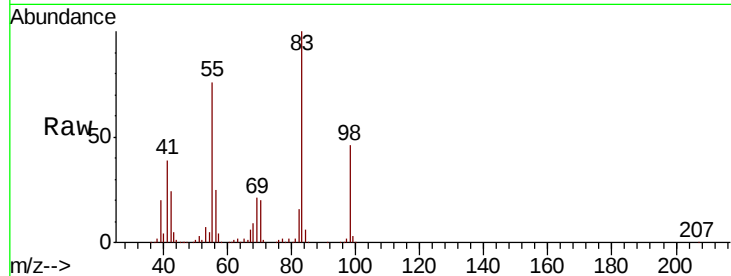




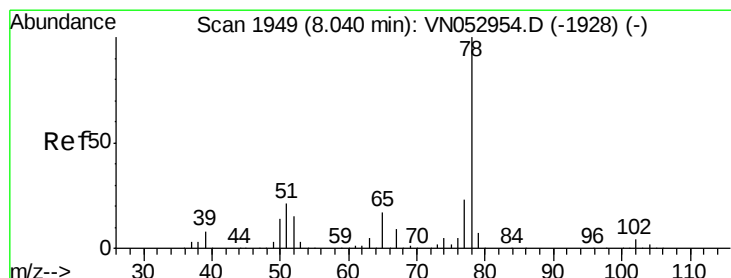
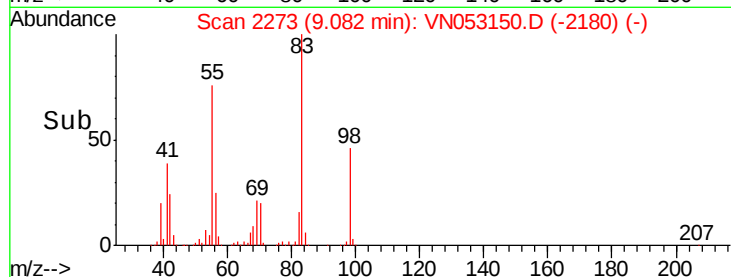
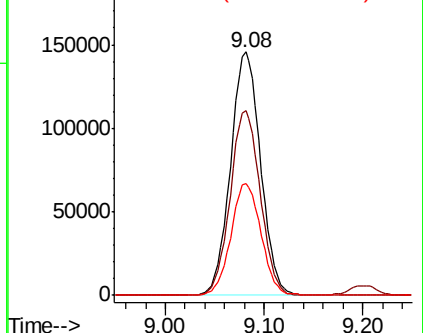
#39
Methvlcvclohexane
Concen: 17.373 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tot Ion: 83 Resp: 308550
Ion Ratio Lower Upper
83 100
55 75.6 61.3 91.9
98 45.9 37.0 55.4

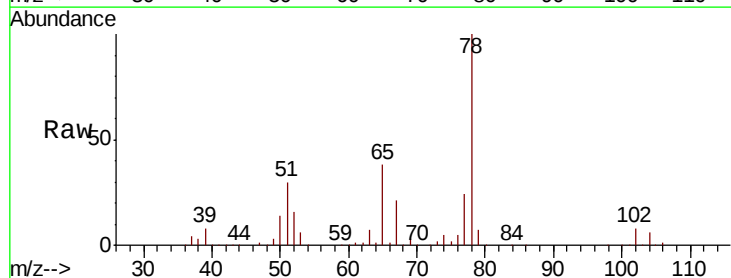


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

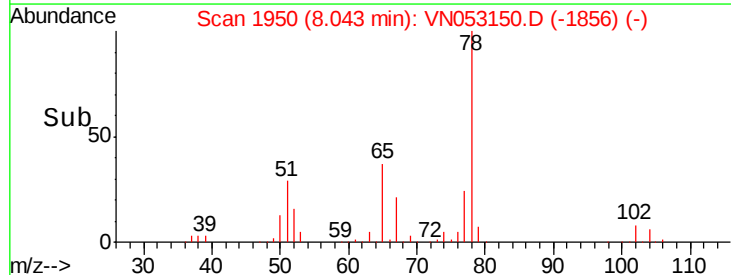
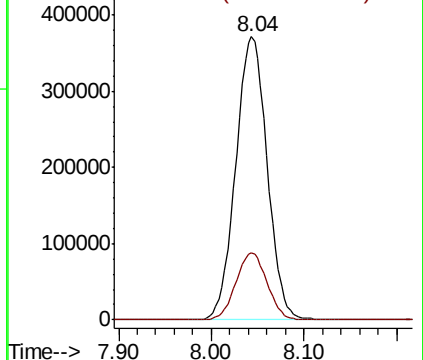


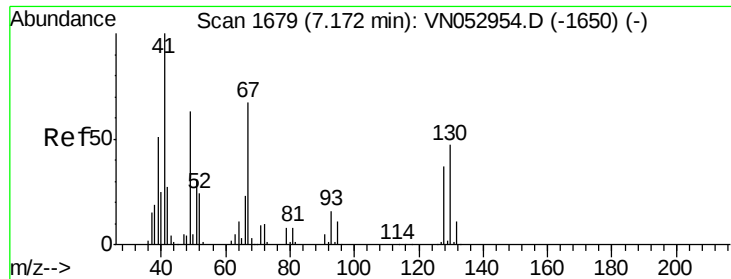
#40
Benzene
Concen: 20.075 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 78 Resp: 872985
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7



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

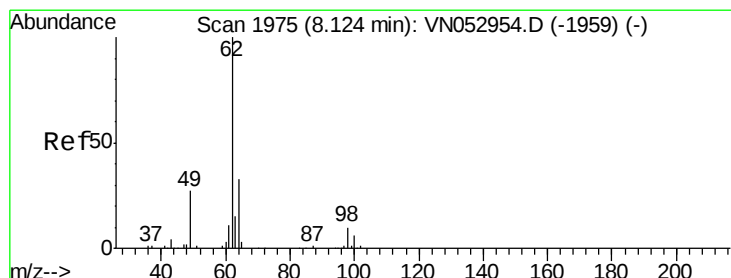
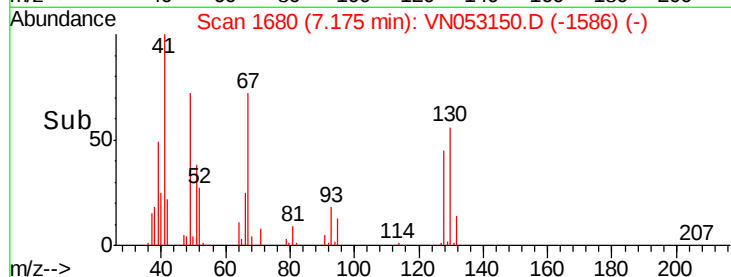
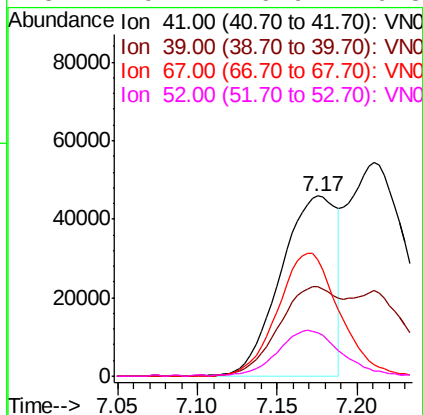
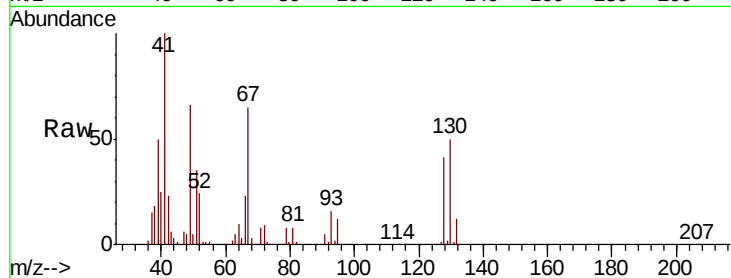




#41
Methacrylonitrile
Concen: 23.680 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

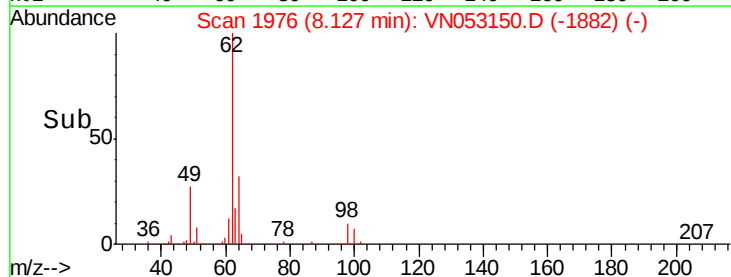
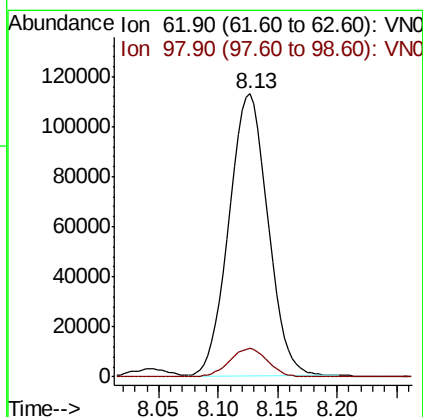
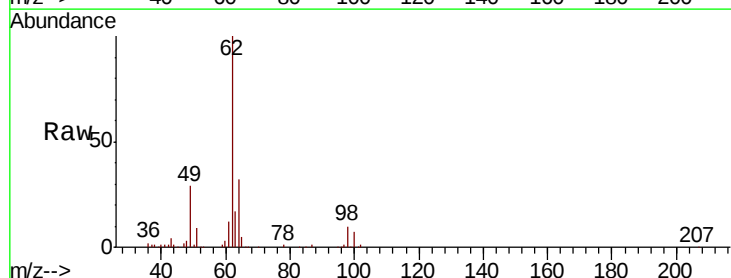
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

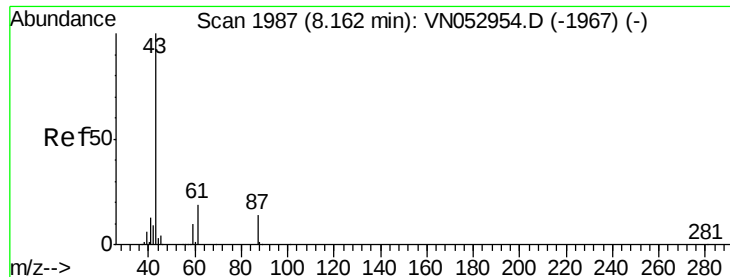
Tot Ion:	41	Resp:	111667
Ion	Ratio	Lower	Upper
41	100		
39	53.6	48.0	72.0
67	75.4	70.3	105.5
52	29.4	26.9	40.3



#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:	62	Resp:	256134
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.287 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

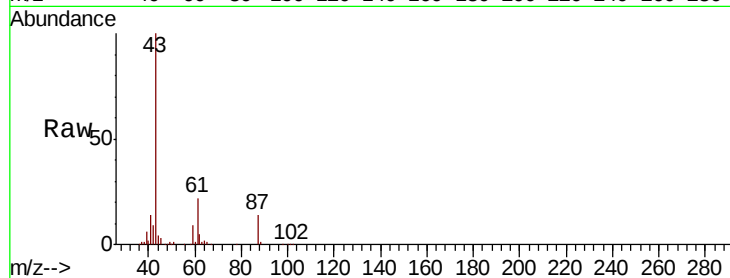
Tot Ion: 43 Resp: 330211

Ion Ratio Lower Upper

43 100

61 29.0 22.9 34.3

87 13.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053150.D (-2104) (-)

Ion 61.00 (60.70 to 61.70): VN053150.D (-2104) (-)

Ion 87.00 (86.70 to 87.70): VN053150.D (-2104) (-)

8.16

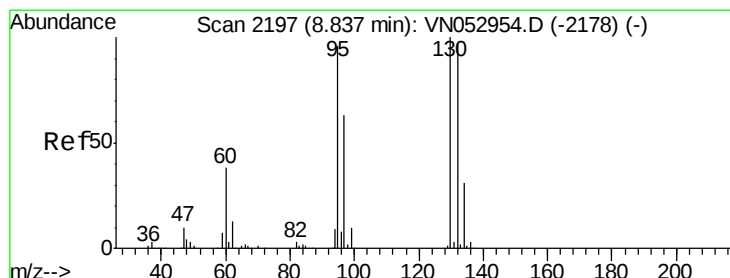
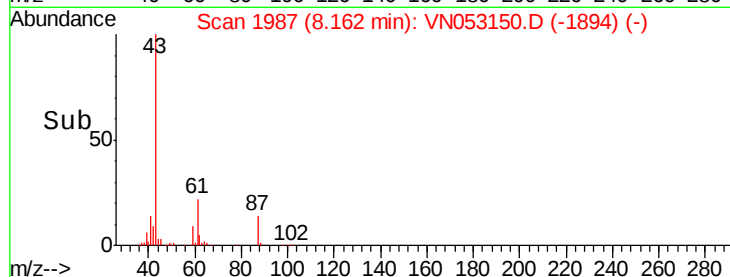
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 18.888 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053150.D

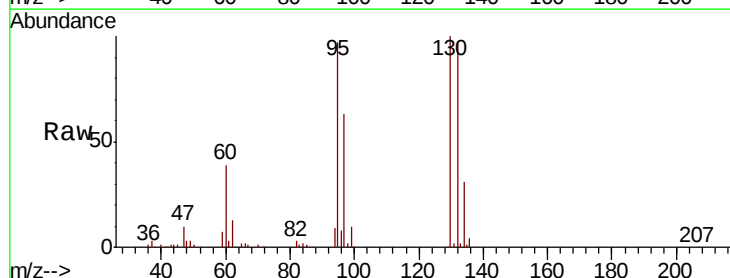
Acq: 22 Dec 2018 23:52

Tgt Ion: 130 Resp: 237574

Ion Ratio Lower Upper

130 100

95 96.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053150.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053150.D (-2104) (-)

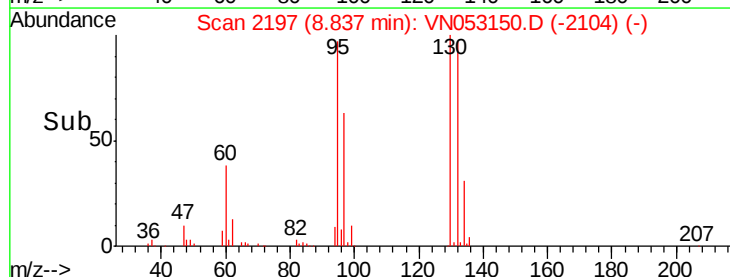
8.84

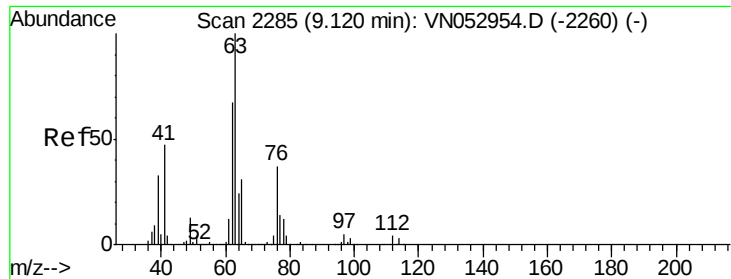
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 20.731 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

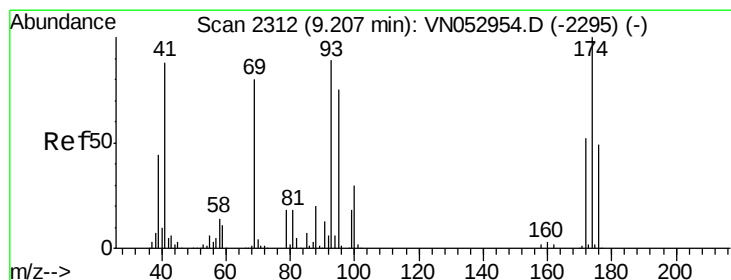
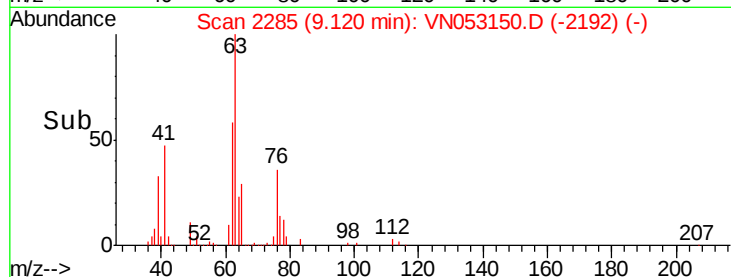
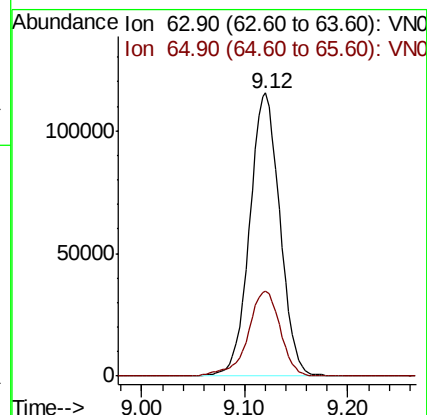
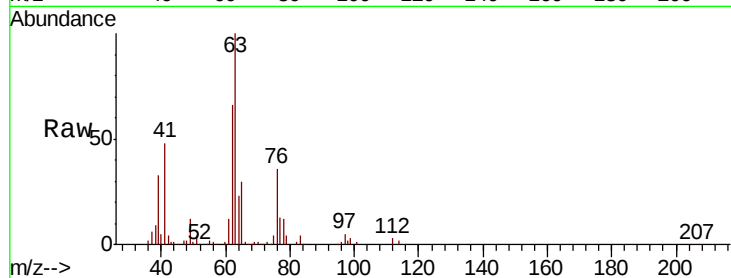
VN1222MBS02

Tot Ion: 63 Resp: 234813

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



#46

Dibromomethane

Concen: 19.890 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

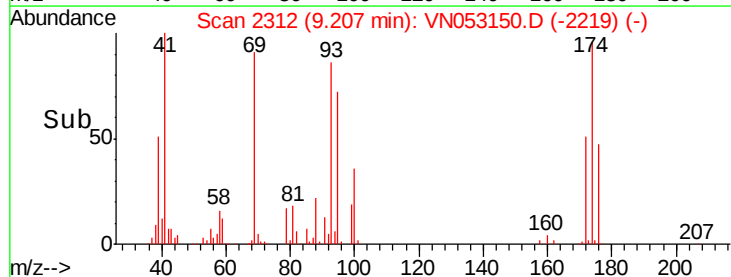
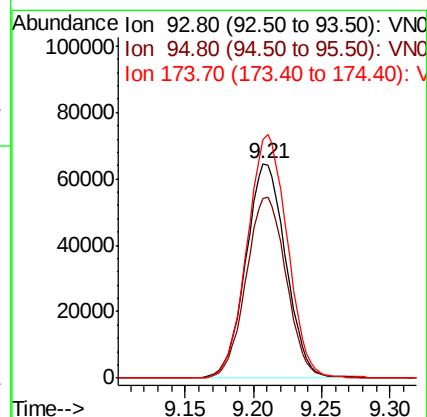
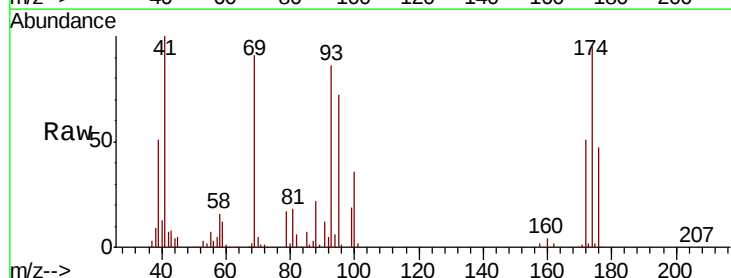
Tgt Ion: 93 Resp: 131240

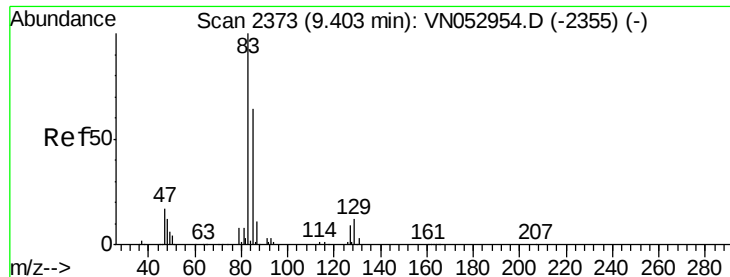
Ion Ratio Lower Upper

93 100

95 84.8 67.8 101.6

174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 19.580 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

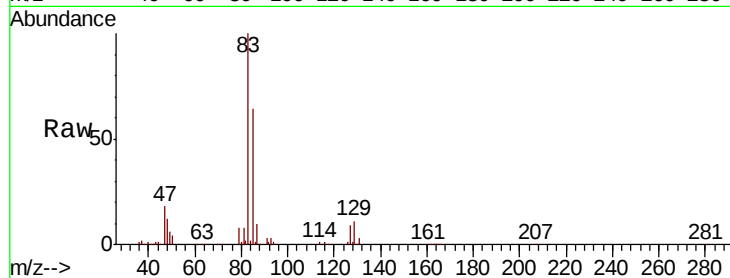
Tot Ion: 83 Resp: 274629

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4

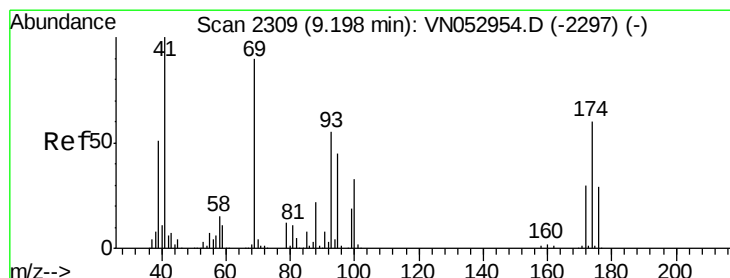
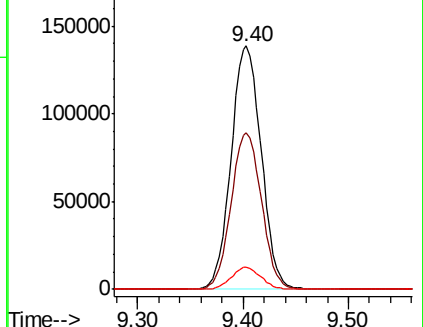
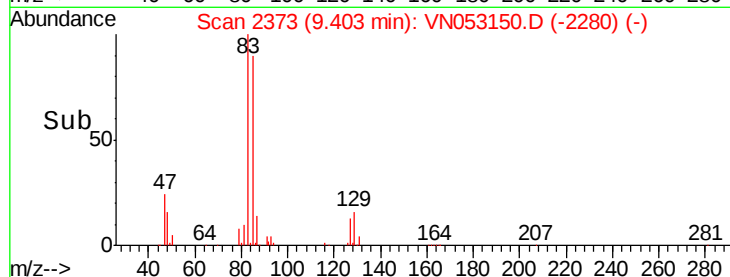
127 9.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053150.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053150.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053150.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.473 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

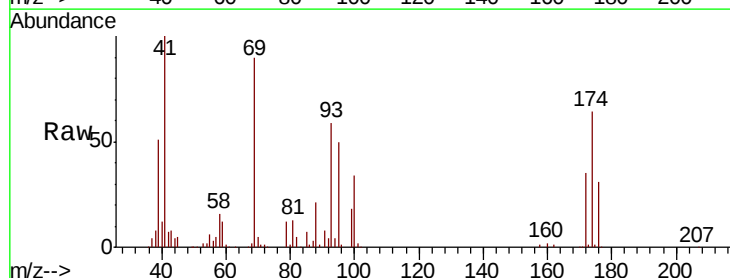
Tgt Ion: 41 Resp: 170057

Ion Ratio Lower Upper

41 100

69 90.1 72.2 108.2

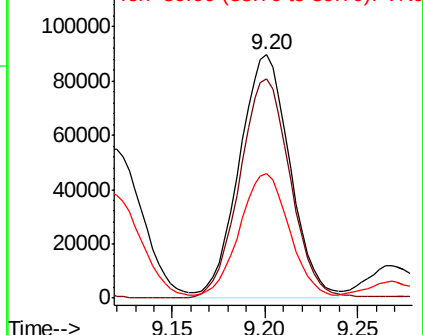
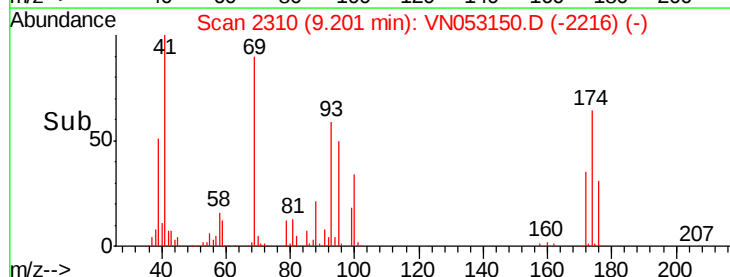
39 50.6 41.9 62.9

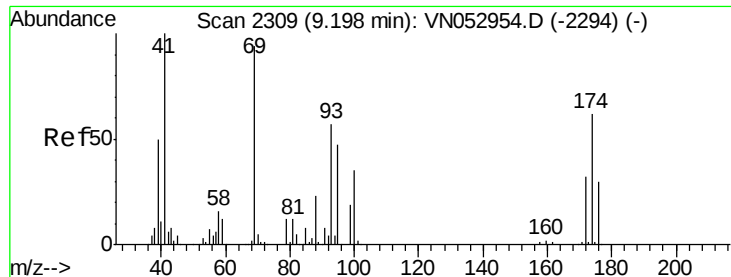


Abundance Ion 41.00 (40.70 to 41.70): VN053150.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053150.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053150.D (-2216) (-)

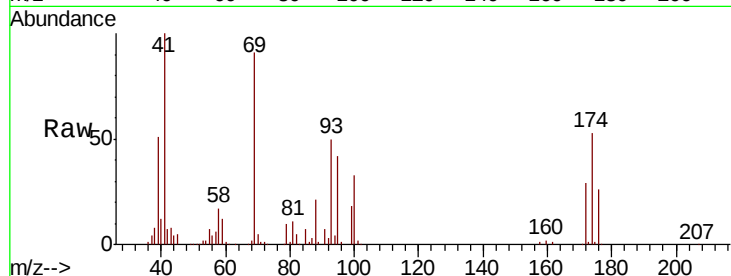




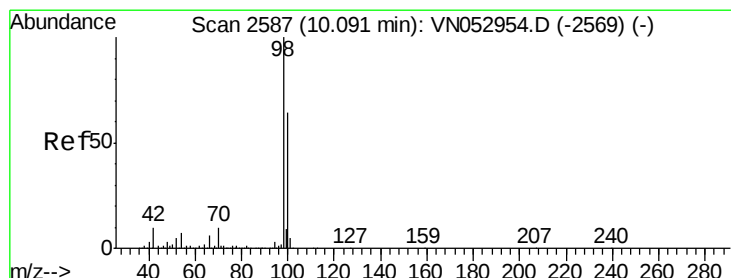
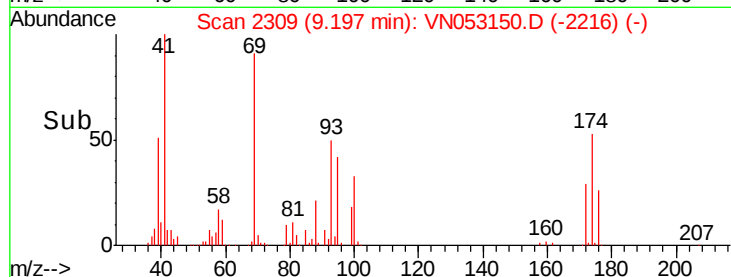
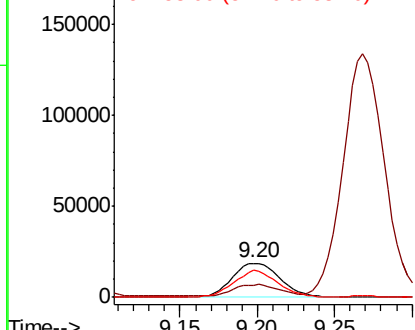
#49
1,4-Dioxane
Concen: 406.289 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tot Ion: 88 Resp: 40702
Ion Ratio Lower Upper
88 100
43 30.6 26.6 40.0
58 72.0 58.4 87.6

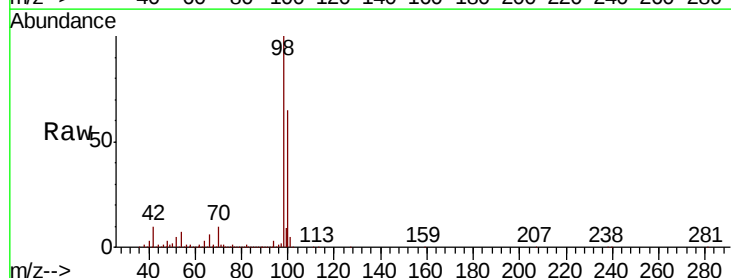


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

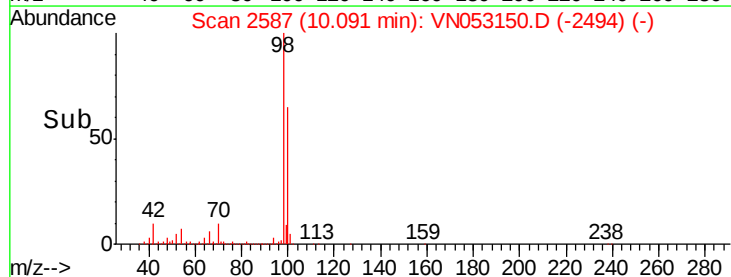
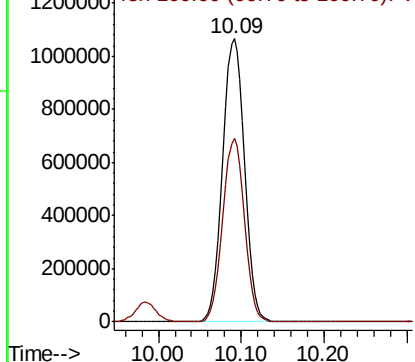


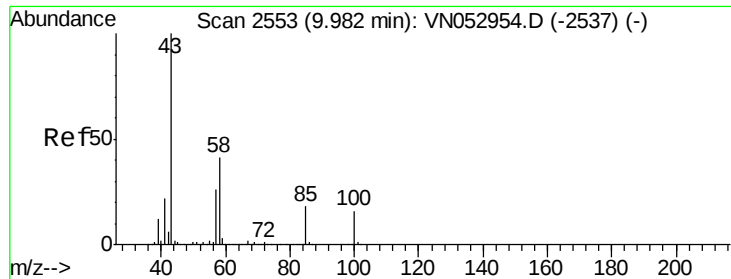
#50
Toluene-d8
Concen: 406.289 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 98 Resp: 1950685
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



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

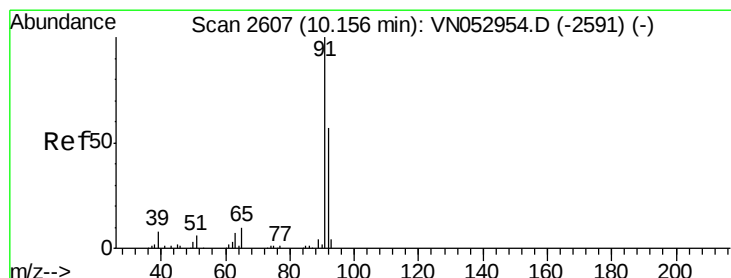
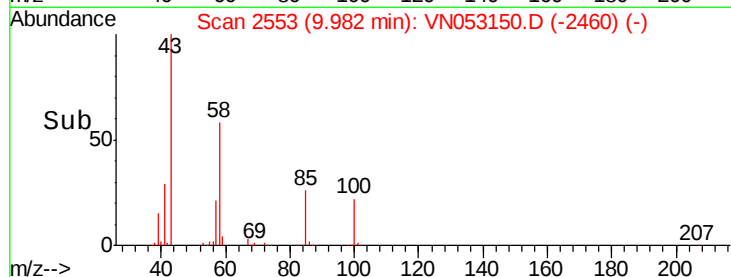
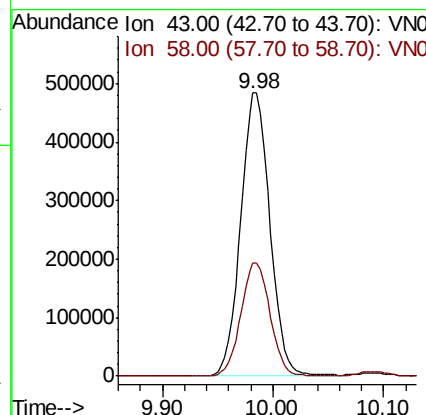
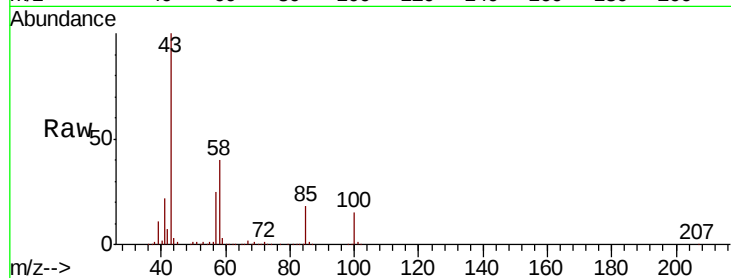




#51
 4-Methyl-2-Pentanone
 Concen: 111.949 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

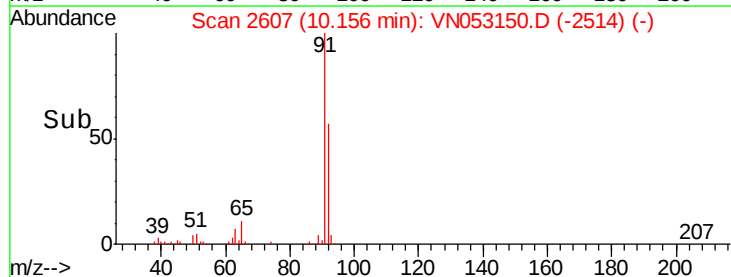
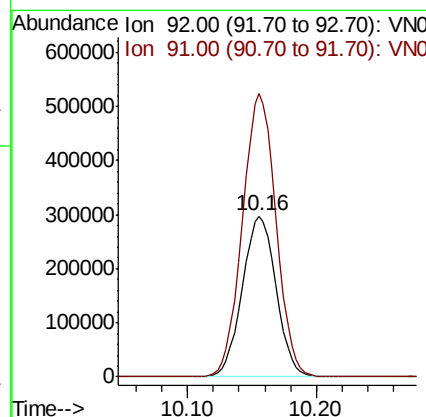
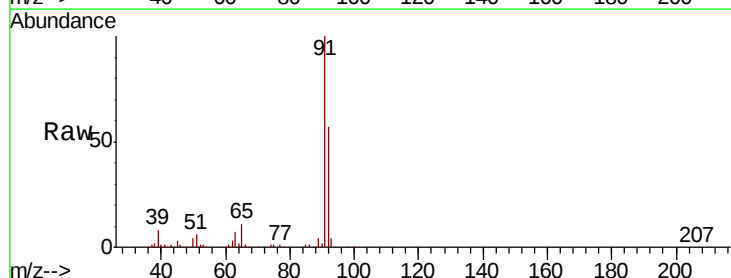
Instrument :
 MSVOA_N
 ClientSampled :
 VN1222MBS02

Tot Ion: 43 Resp: 884819
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.2 48.4



#52
 Toluene
 Concen: 20.095 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 92 Resp: 541652
 Ion Ratio Lower Upper
 92 100
 91 175.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.436 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

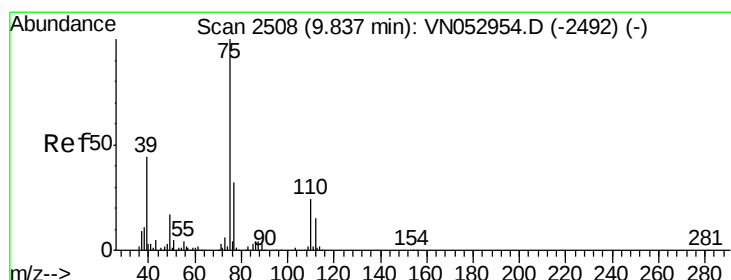
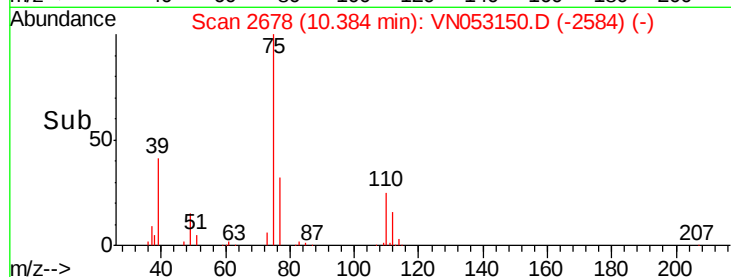
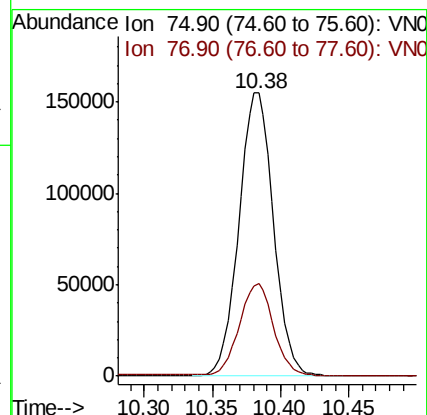
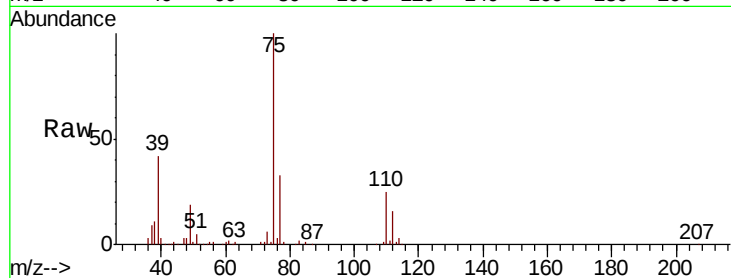
VN1222MBS02

Tot Ion: 75 Resp: 271918

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.968 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

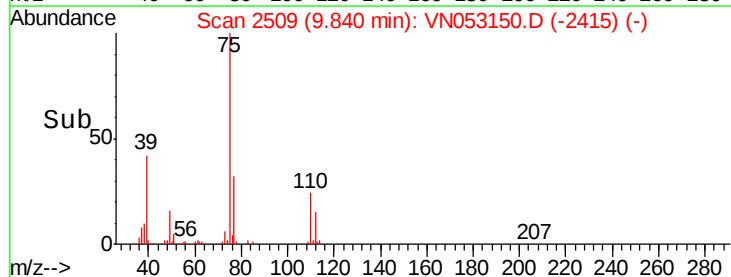
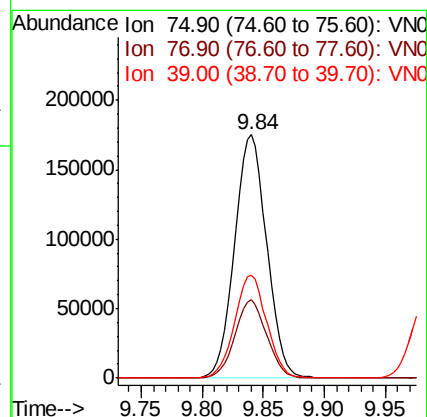
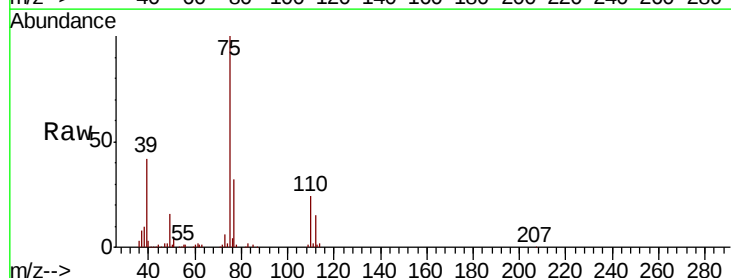
Tgt Ion: 75 Resp: 321122

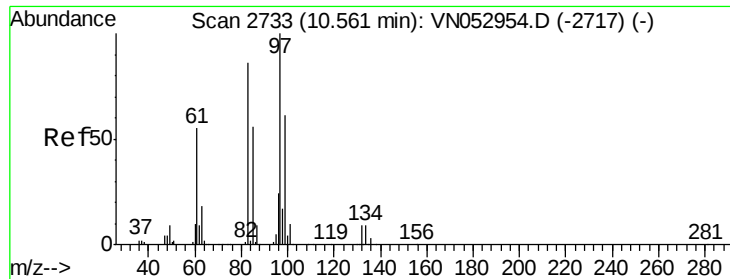
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 42.5 34.8 52.2

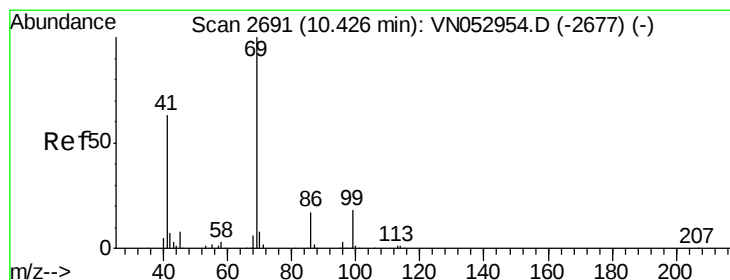
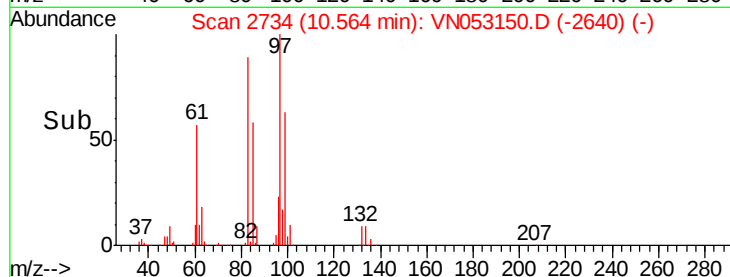
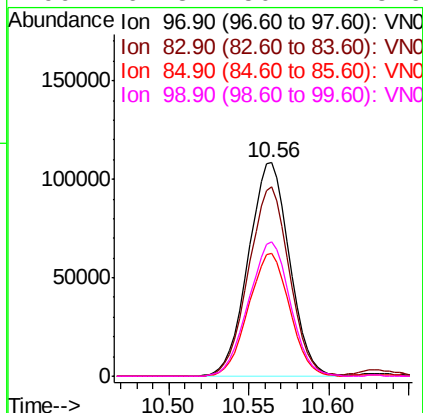
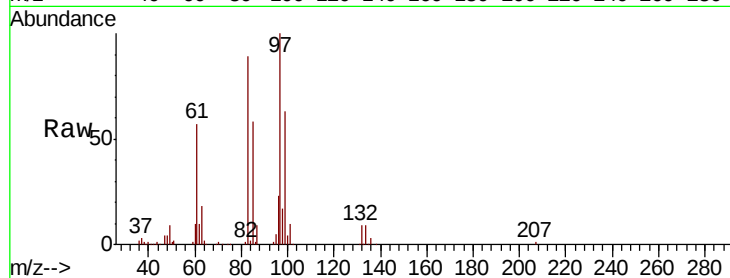




#55
 1,1,2-Trichloroethane
 Concen: 20.359 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

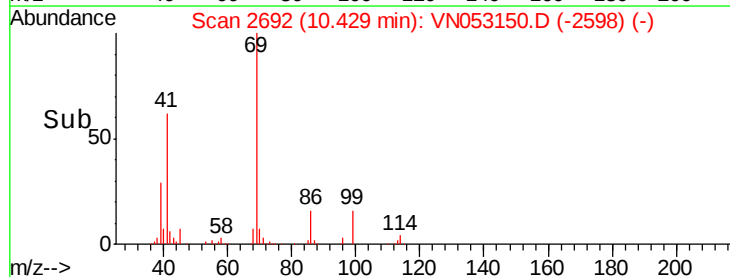
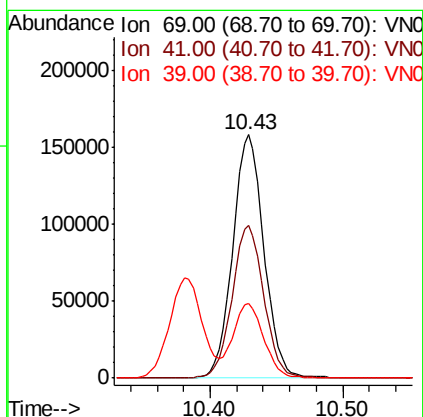
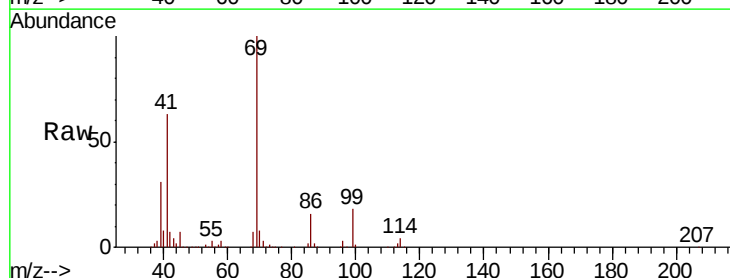
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

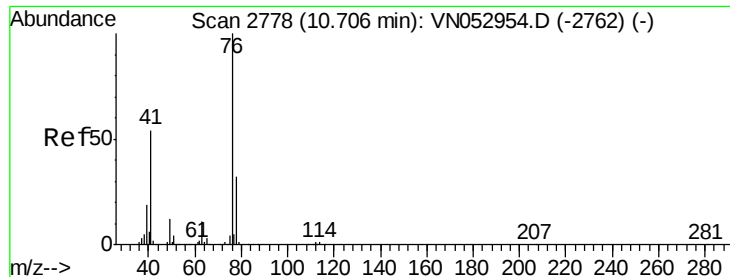
Tot Ion: 97 Resp: 191443
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.9 106.3
 85 57.8 45.4 68.2
 99 62.8 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 20.769 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 69 Resp: 258493
 Ion Ratio Lower Upper
 69 100
 41 62.6 51.7 77.5
 39 30.4 24.6 37.0





#57

1,3-Dichloropropane

Concen: 20.816 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

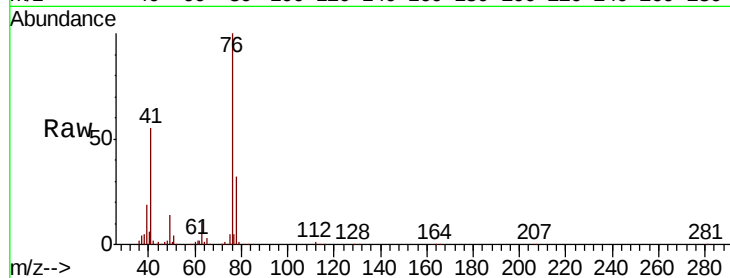
VN1222MBS02

Tot Ion: 76 Resp: 335662

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

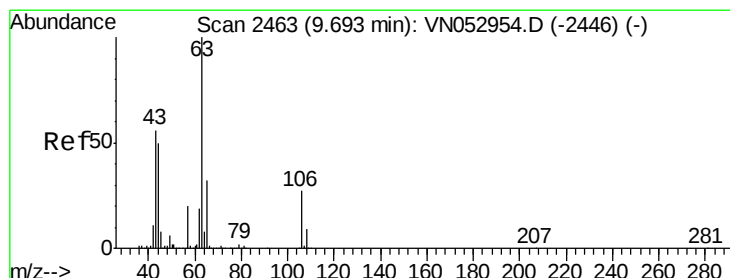
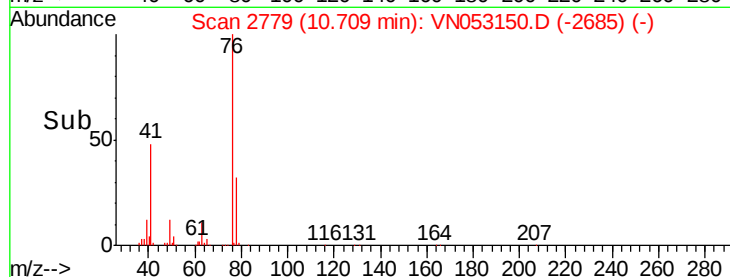
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 105.926 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053150.D

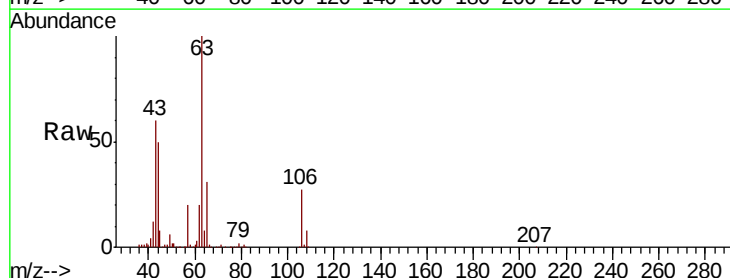
Acq: 22 Dec 2018 23:52

Tgt Ion: 63 Resp: 723785

Ion Ratio Lower Upper

63 100

106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

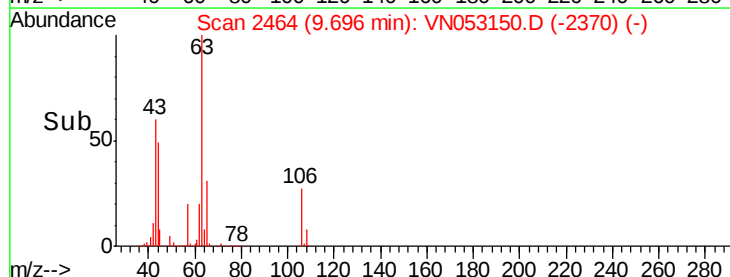
300000

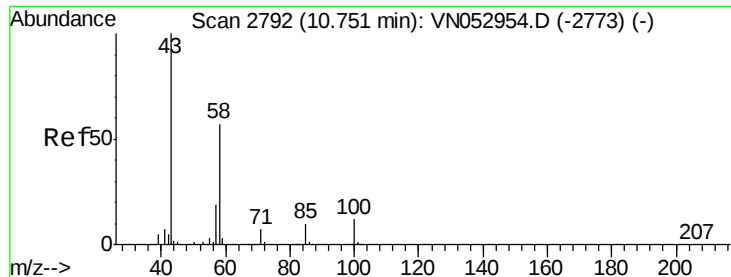
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

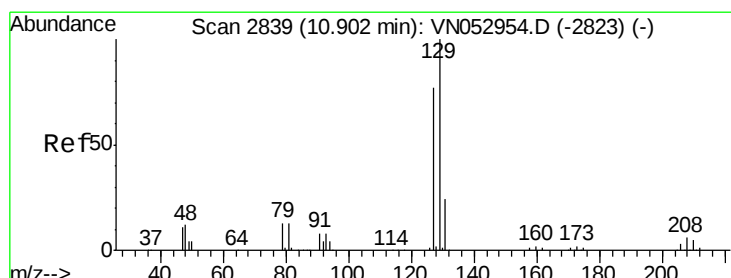
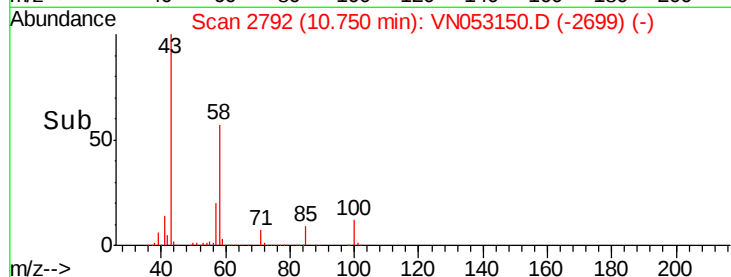
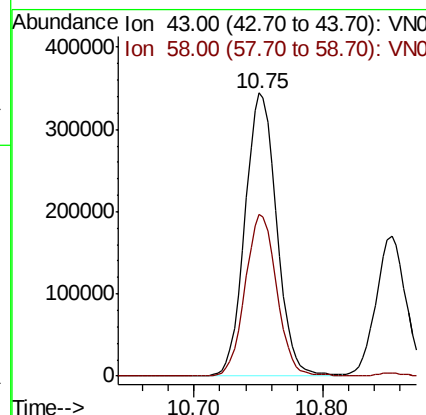
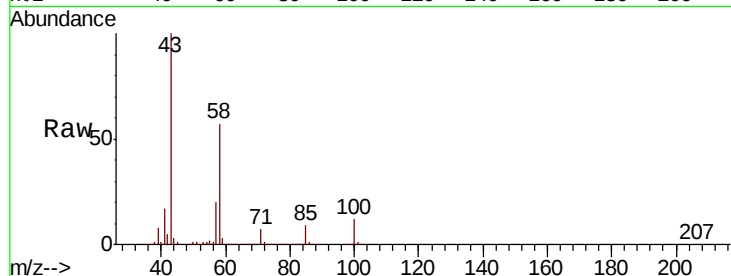




#59
2-Hexanone
Concen: 109.748 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

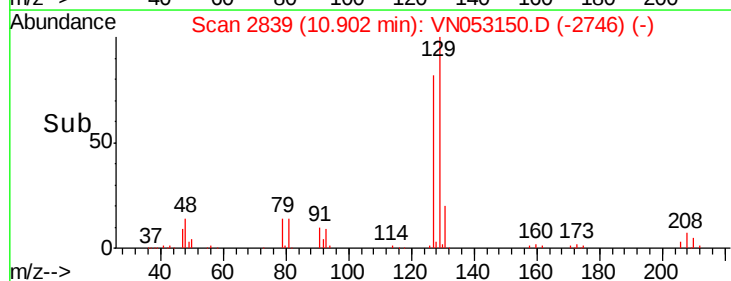
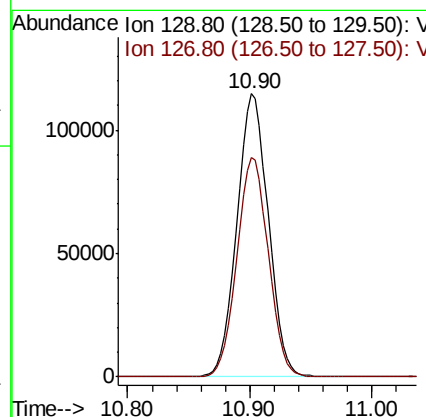
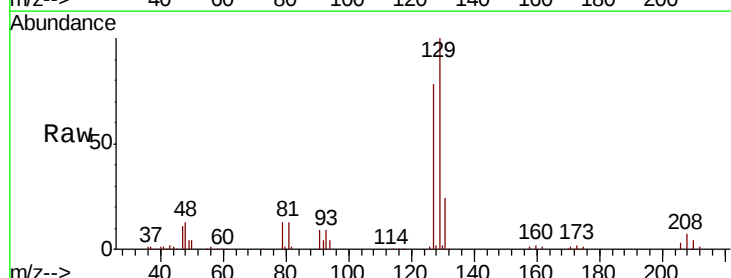
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tot Ion: 43 Resp: 586881
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 19.022 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 129 Resp: 204750
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

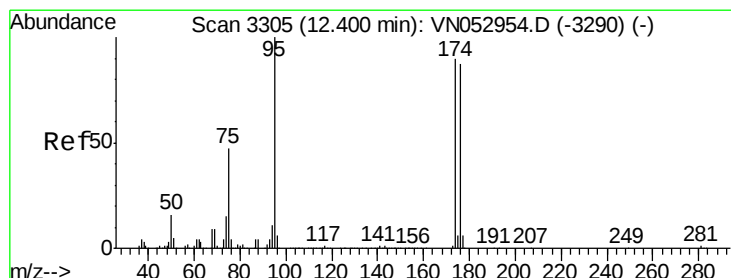
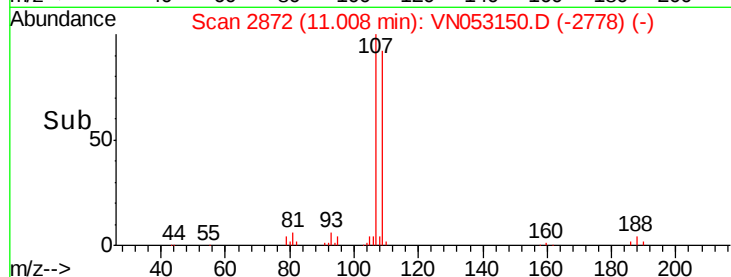
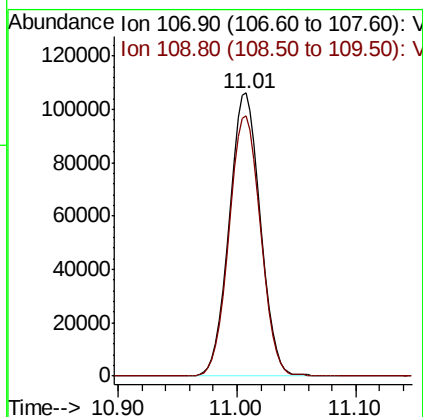
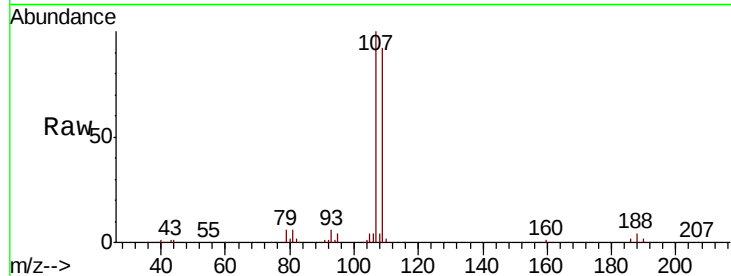




#61
 1,2-Dibromoethane
 Concen: 20.144 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

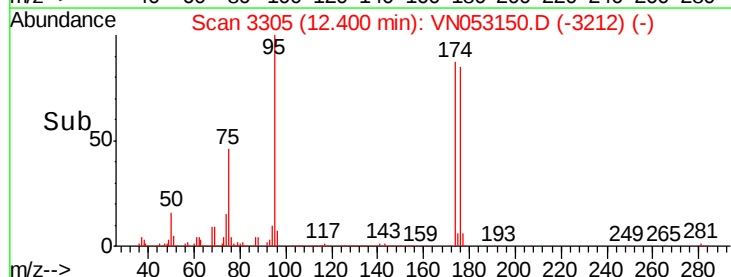
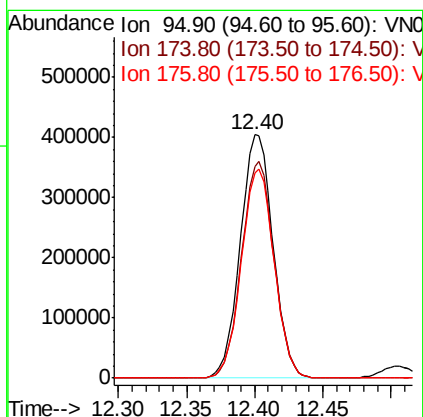
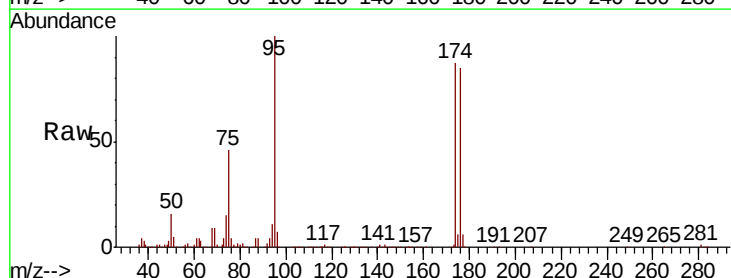
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

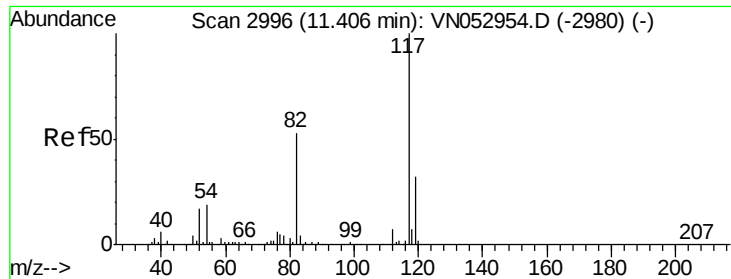
Tot Ion:107 Resp: 192377
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.144 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 95 Resp: 674975
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 178.8
 176 85.9 0.0 173.8

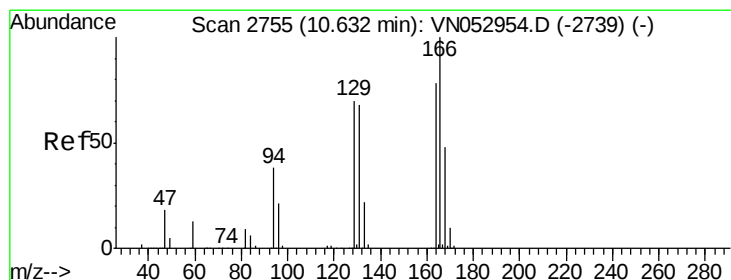
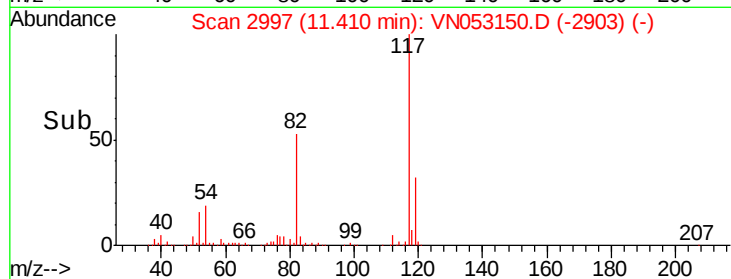
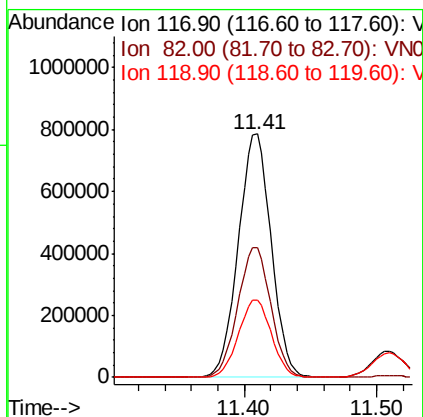
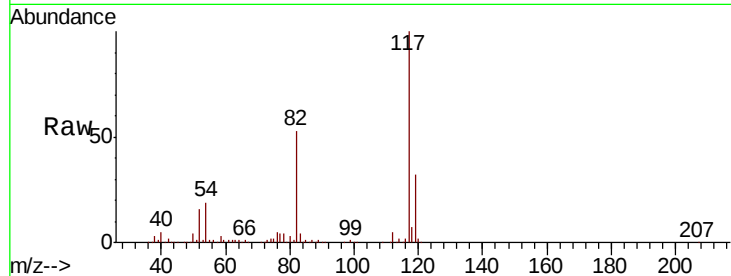




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

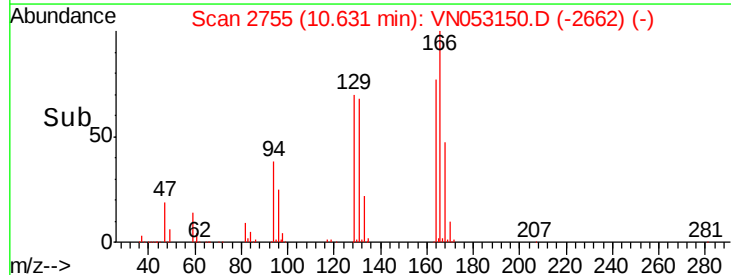
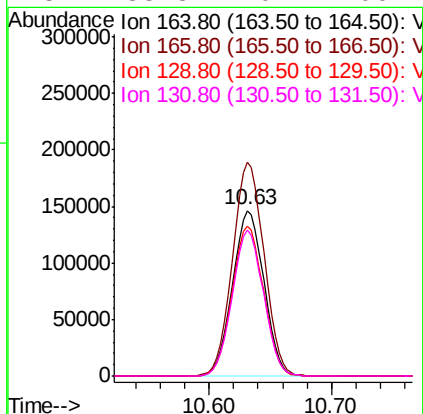
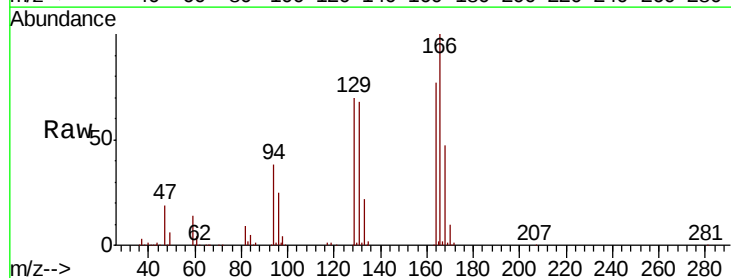
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

Tot Ion:117 Resp: 1351078
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 17.867 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:164 Resp: 261492
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 90.9 73.7 110.5
131 88.3 70.7 106.1





#65

Chlorobenzene

Concen: 19.903 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

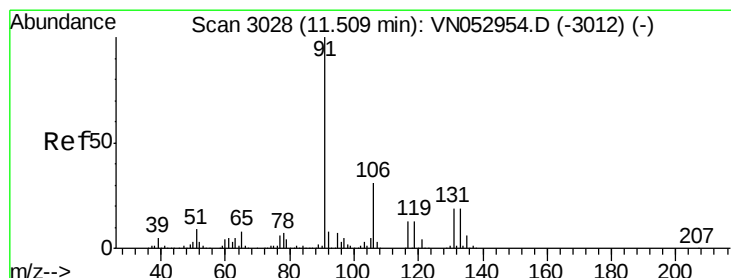
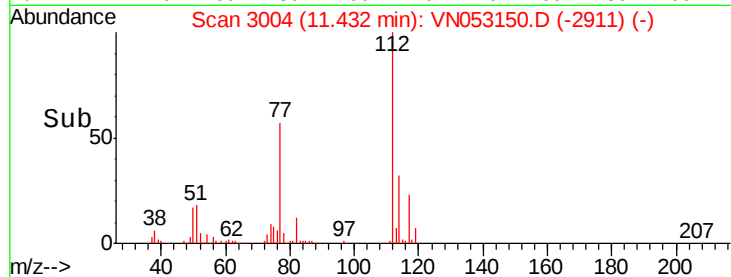
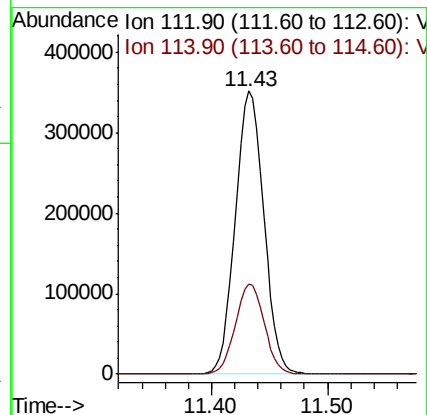
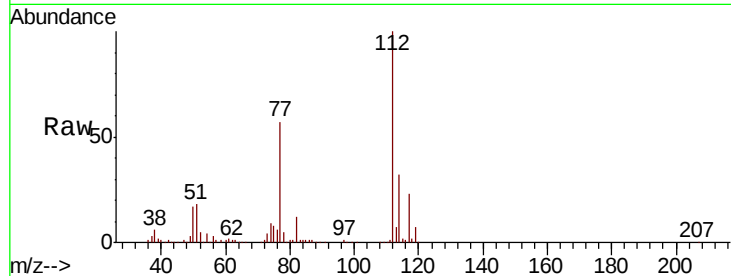
VN1222MBS02

Tot Ion:112 Resp: 596101

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.813 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

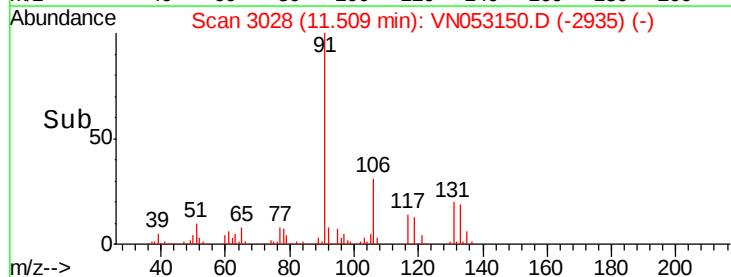
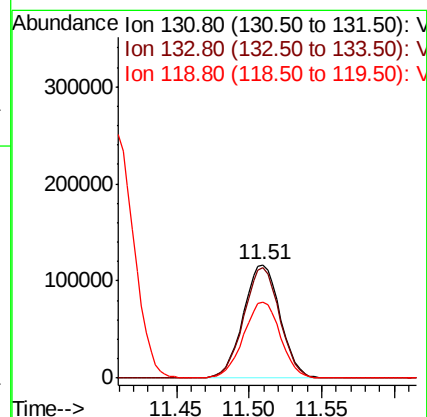
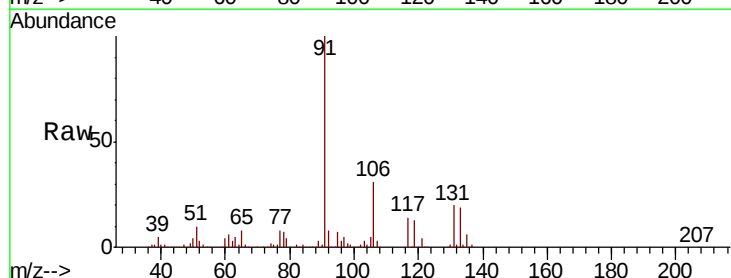
Tgt Ion:131 Resp: 206349

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 67.2 33.3 99.8

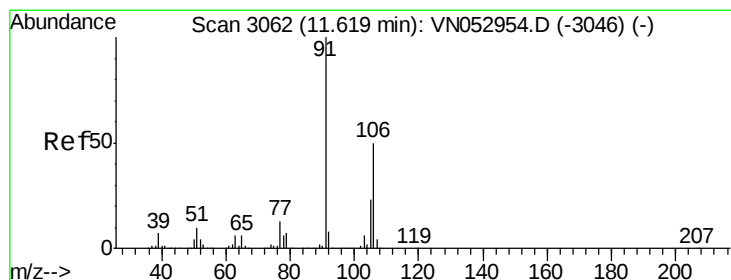
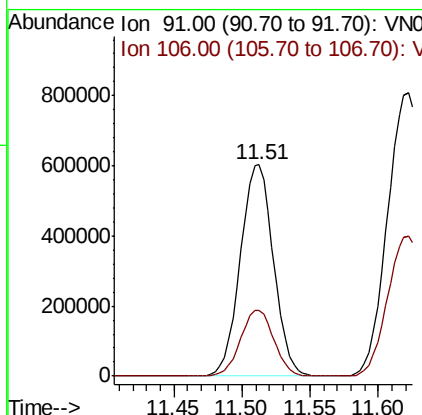
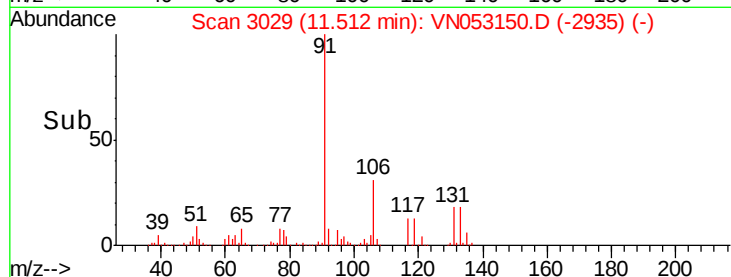
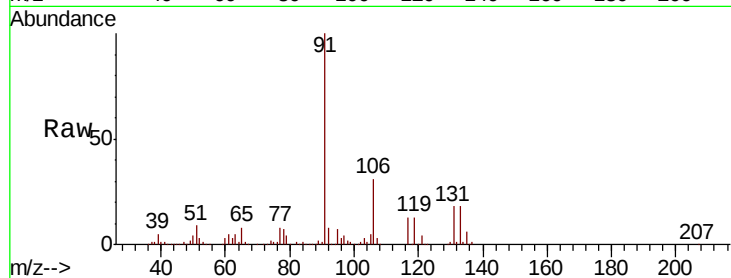




#67
Ethyl Benzene
Concen: 19.725 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

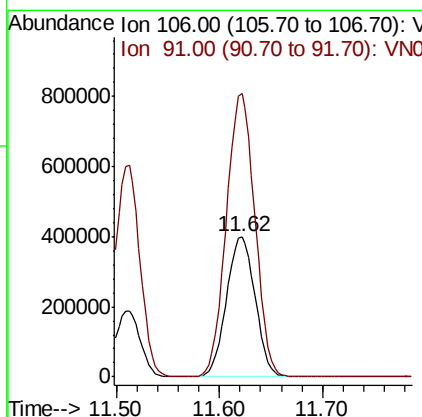
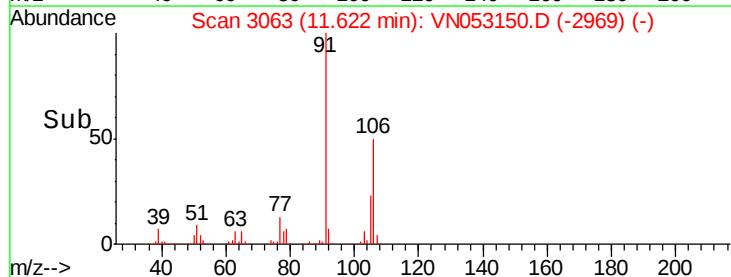
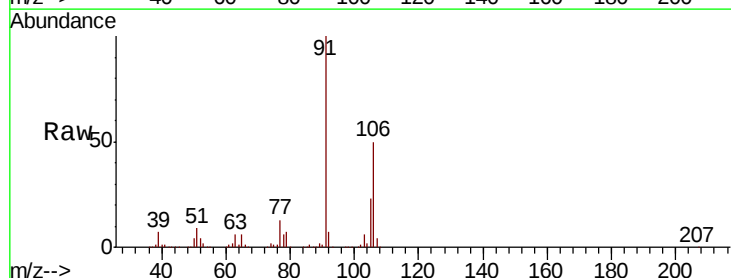
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

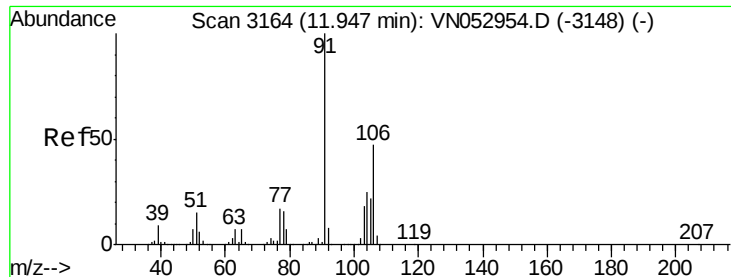
Tot Ion: 91 Resp: 1015935
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 39.450 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 106 Resp: 772434
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4

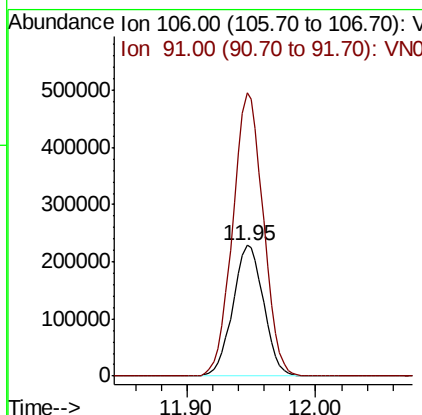
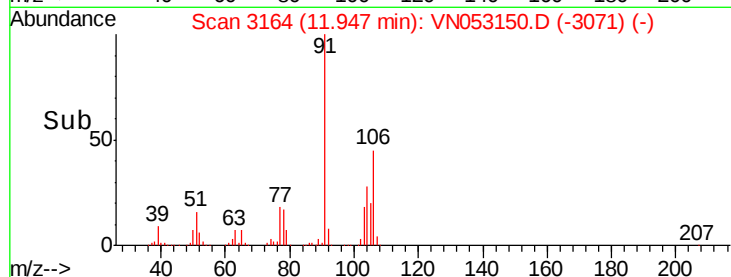
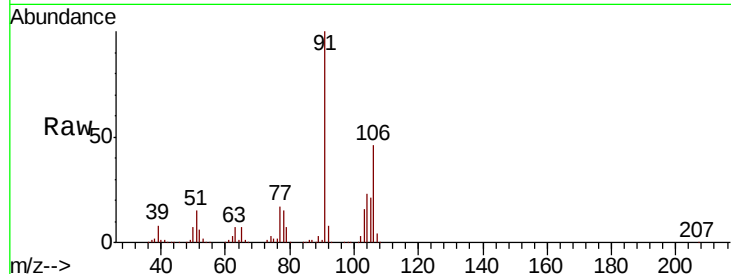




#69
o-Xylene
Concen: 20.165 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

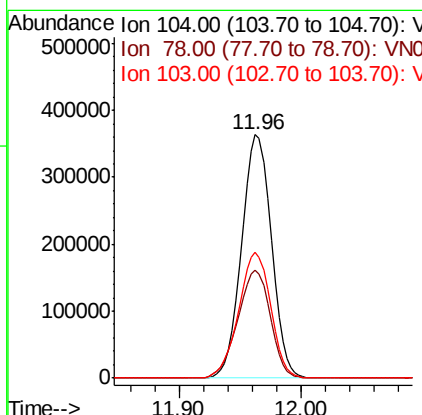
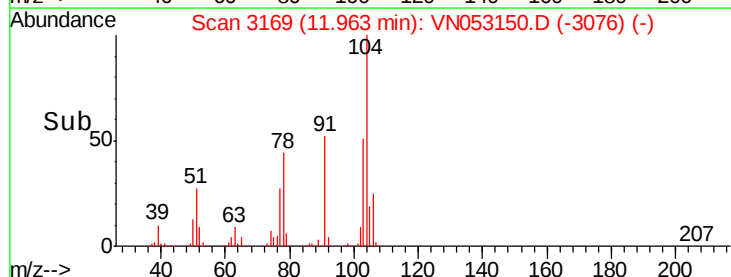
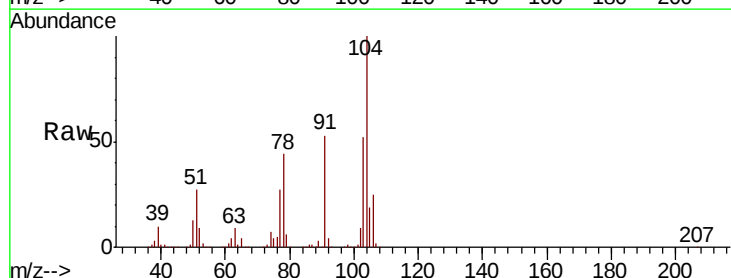
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

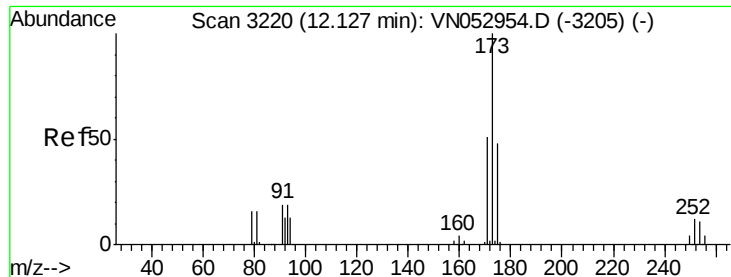
Tot Ion:106 Resp: 378883
Ion Ratio Lower Upper
106 100
91 214.9 106.6 319.8



#70
Styrene
Concen: 19.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:104 Resp: 612332
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.6 44.3 66.5

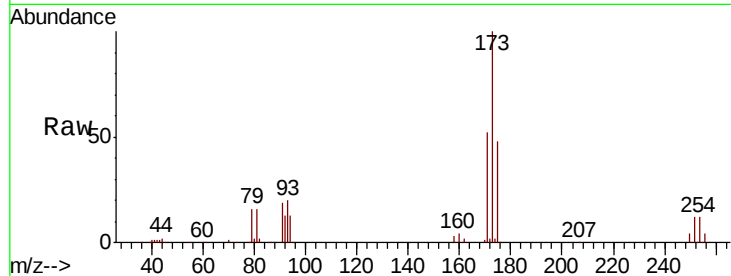




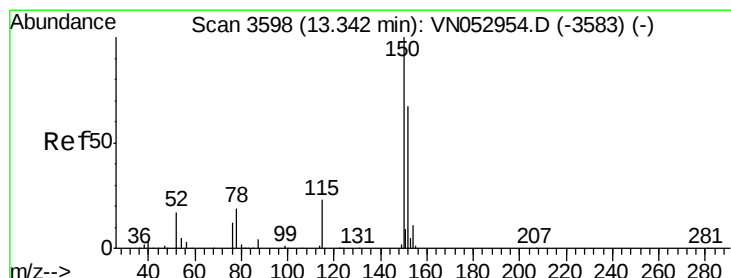
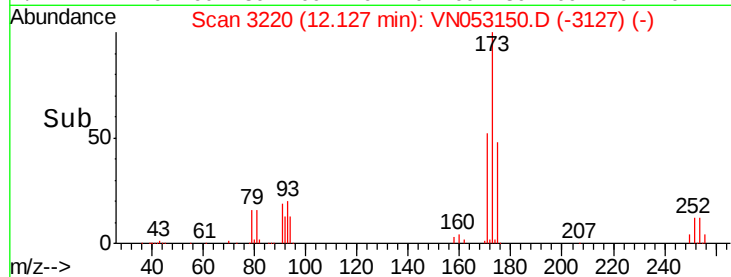
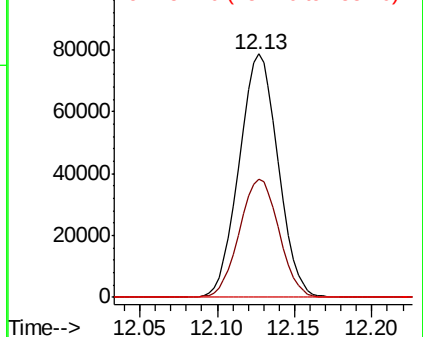
#71
Bromoform
Concen: 18.334 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

Tot Ion:173 Resp: 137943
Ion Ratio Lower Upper
173 100
175 49.2 24.3 72.9
254 0.1 0.1 0.1

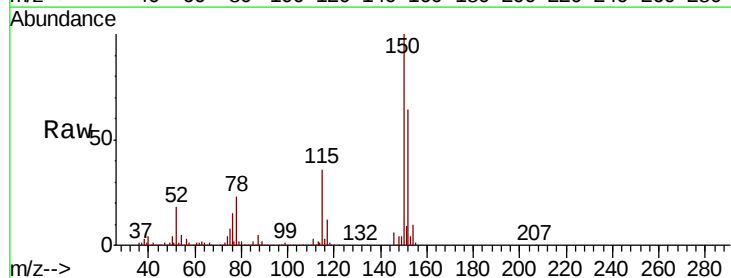


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

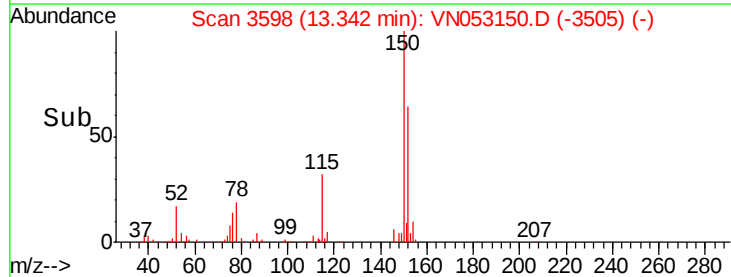
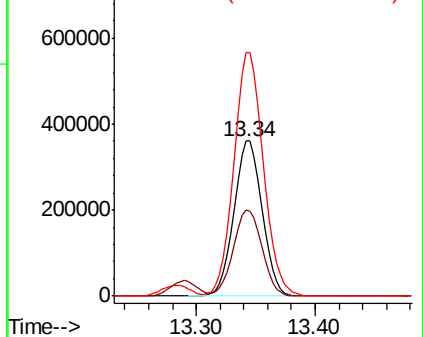


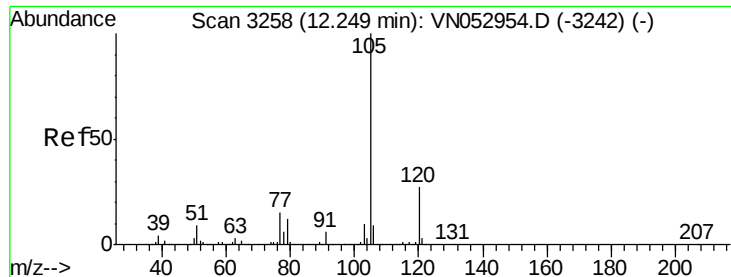
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:152 Resp: 591332
Ion Ratio Lower Upper
152 100
115 56.3 28.3 85.0
150 164.3 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: 21.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

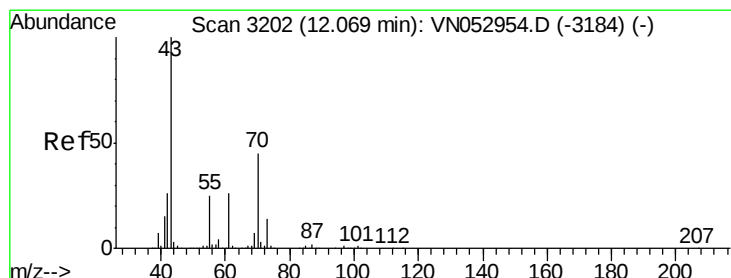
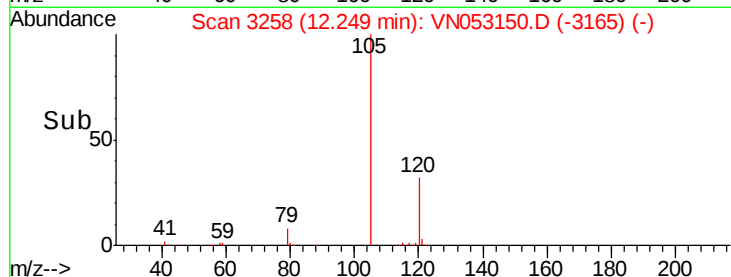
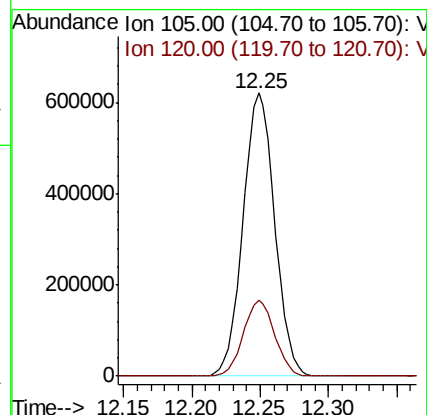
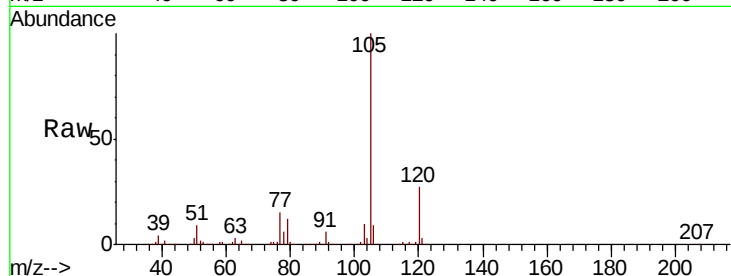
VN1222MBS02

Tot Ion:105 Resp: 996415

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 22.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt Ion: 43 Resp: 287748

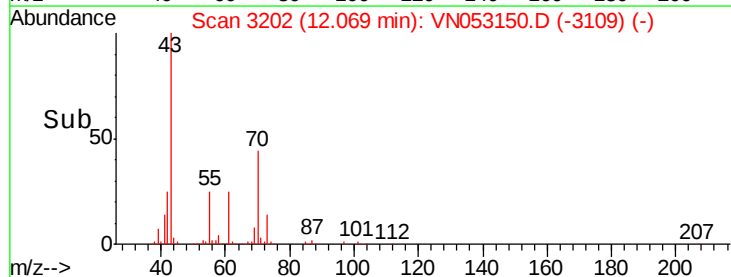
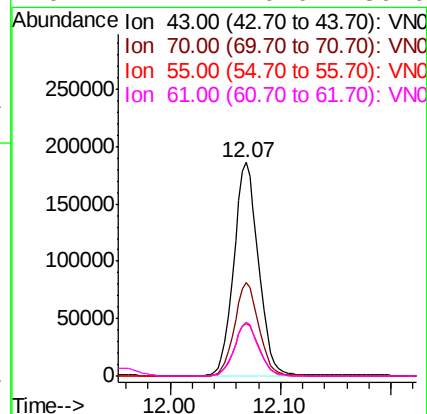
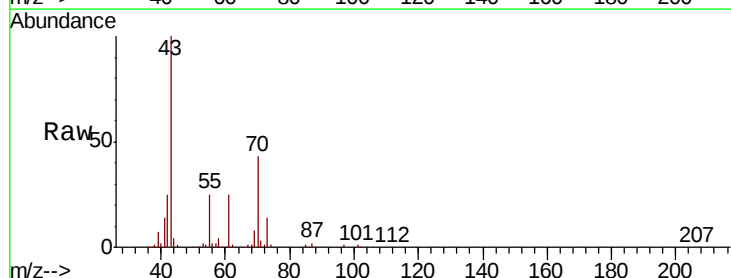
Ion Ratio Lower Upper

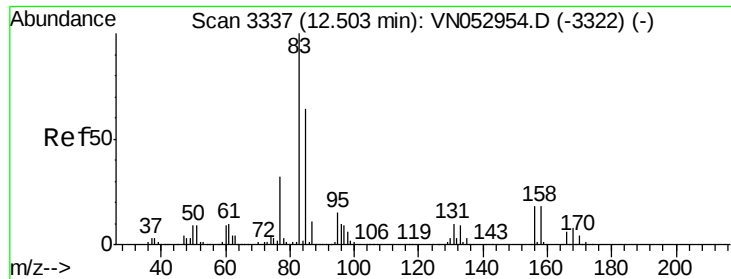
43 100

70 43.5 34.2 51.4

55 25.0 20.3 30.5

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.522 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

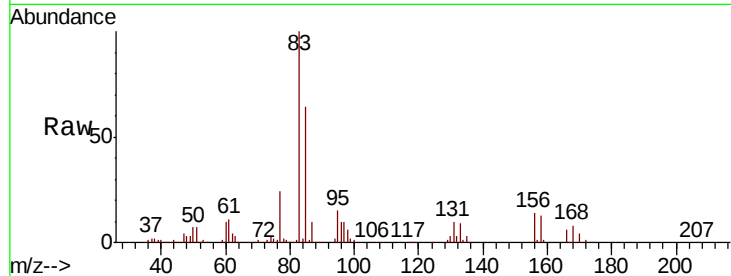
Tot Ion: 83 Resp: 222582

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

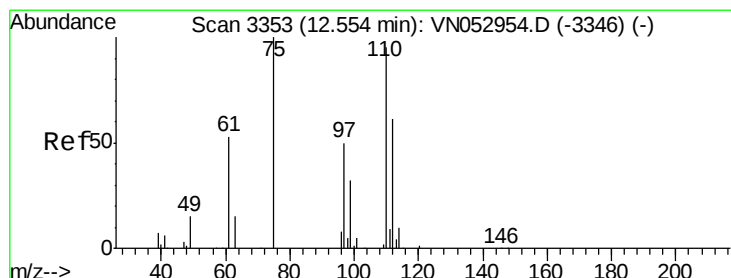
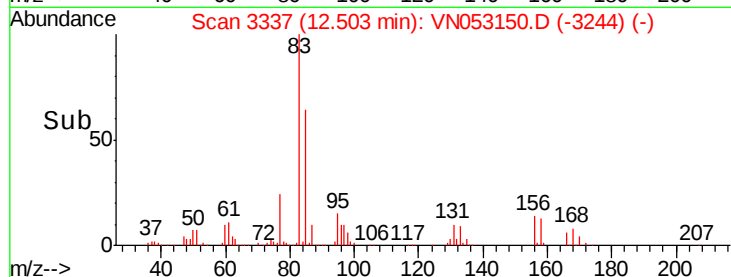
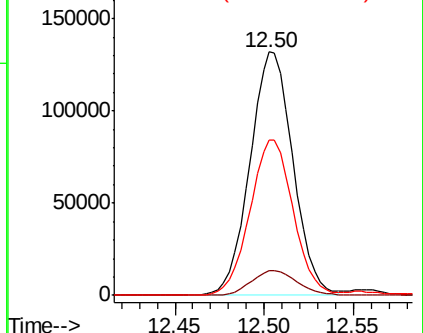
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.472 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053150.D

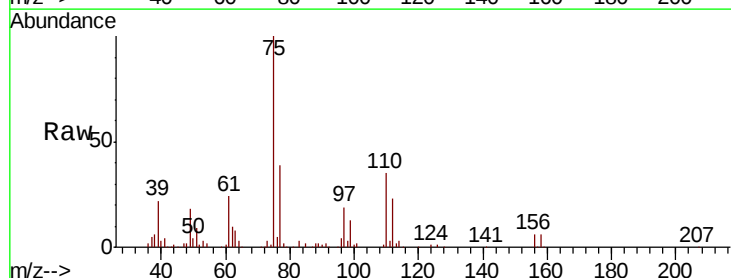
Acq: 22 Dec 2018 23:52

Tgt Ion: 75 Resp: 283423

Ion Ratio Lower Upper

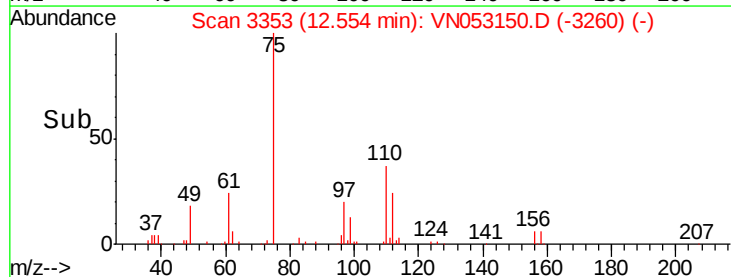
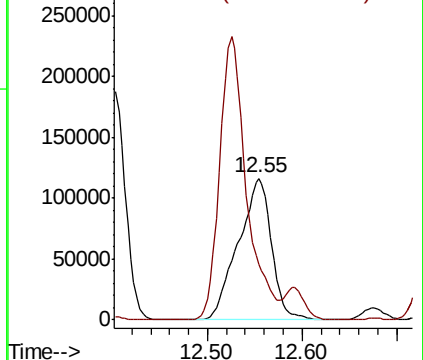
75 100

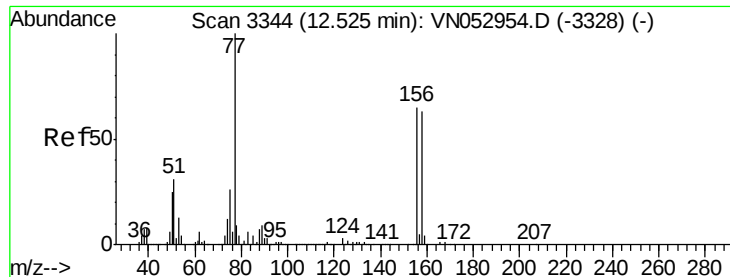
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

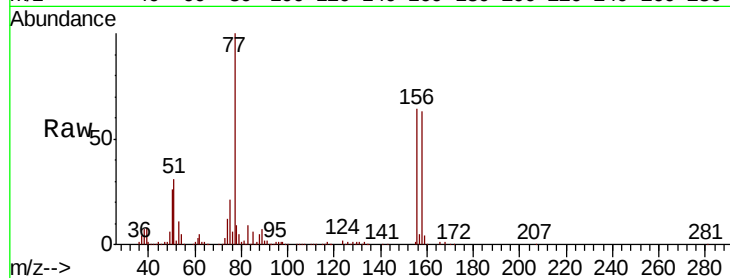
Tot Ion:156 Resp: 253880

Ion Ratio Lower Upper

156 100

77 181.3 91.3 273.8

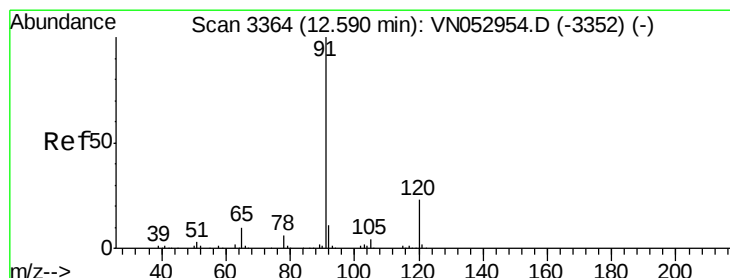
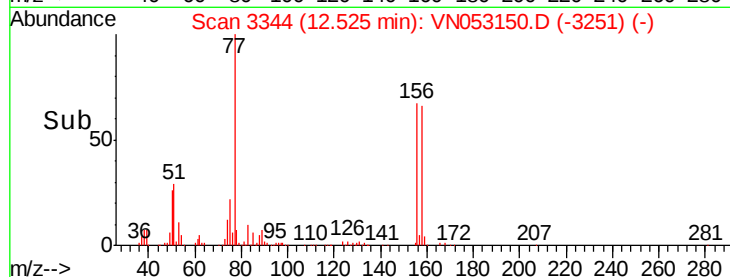
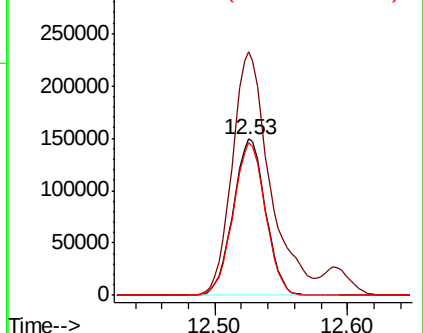
158 97.0 49.0 147.2



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: 20.716 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053150.D

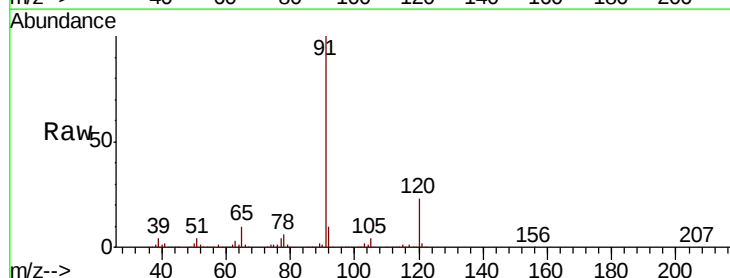
Acq: 22 Dec 2018 23:52

Tgt Ion: 91 Resp: 1091603

Ion Ratio Lower Upper

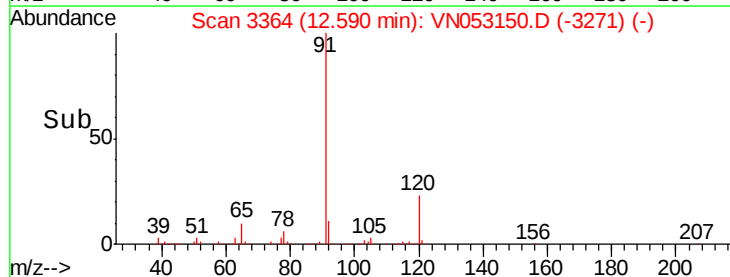
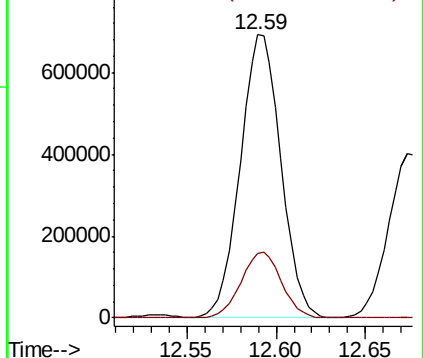
91 100

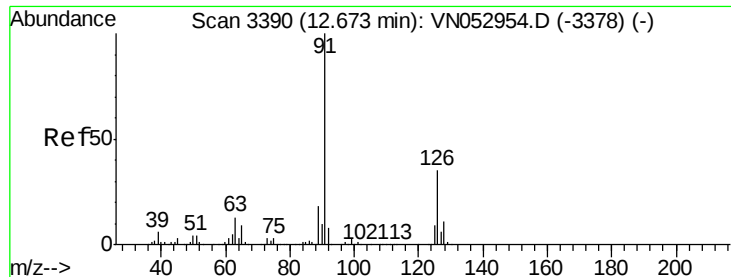
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.221 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

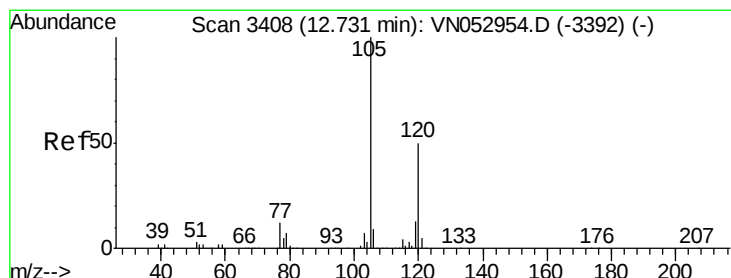
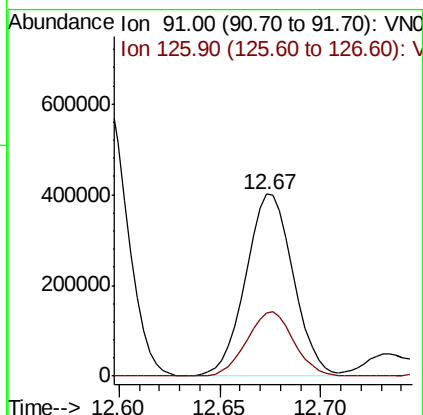
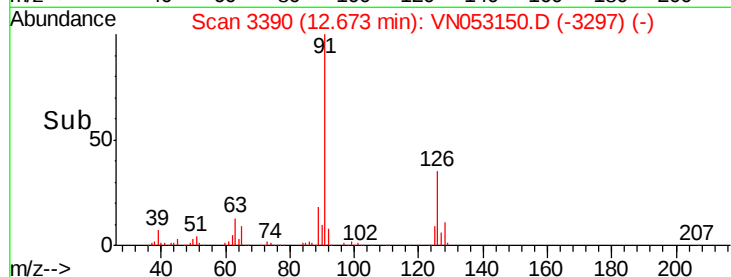
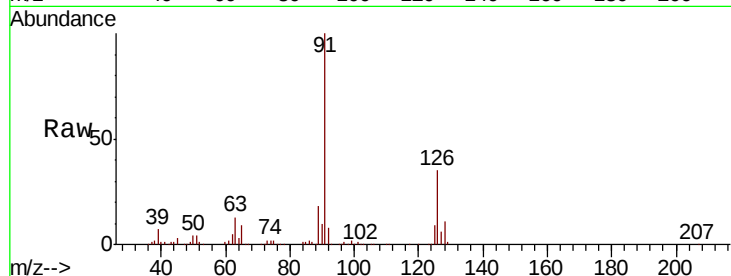
VN1222MBS02

Tot Ion: 91 Resp: 660467

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.616 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053150.D

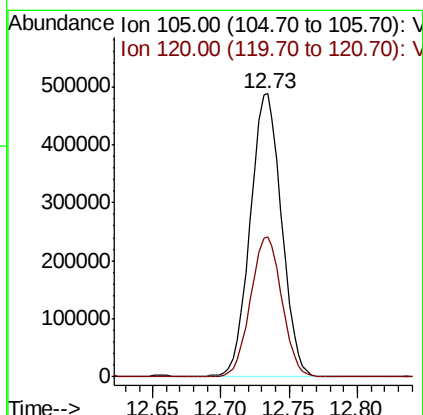
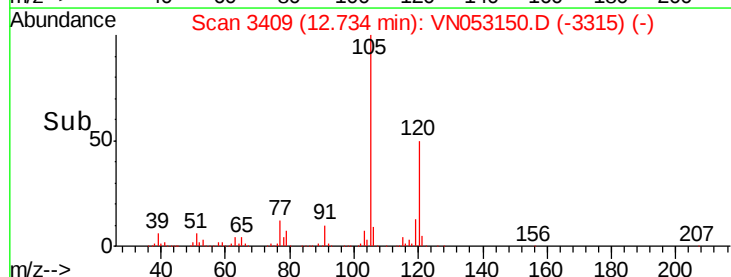
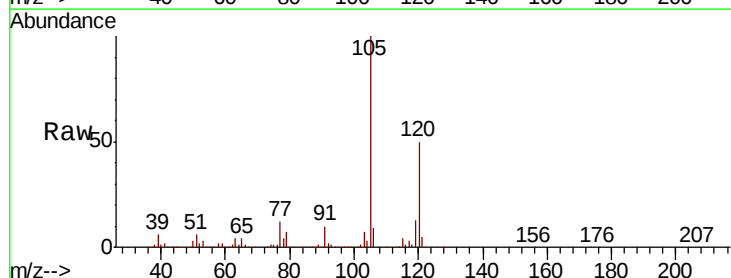
Acq: 22 Dec 2018 23:52

Tgt Ion:105 Resp: 777467

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.744 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS02

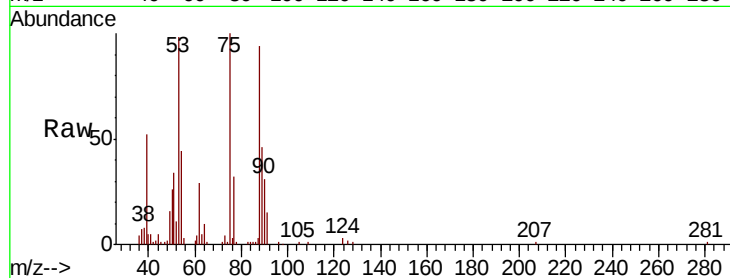
Tot Ion: 75 Resp: 54803

Ion Ratio Lower Upper

75 100

53 96.0 74.7 112.1

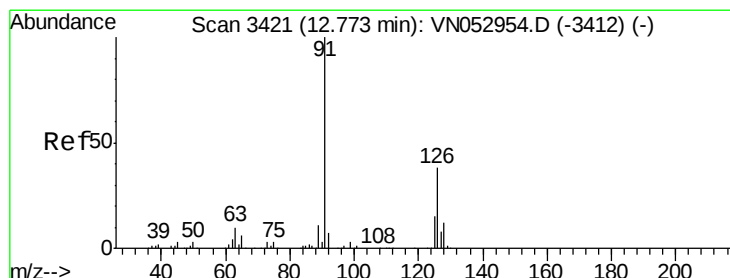
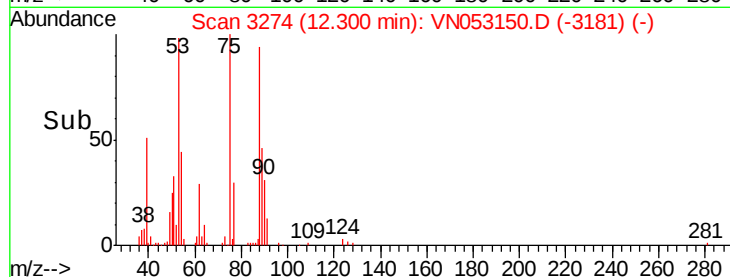
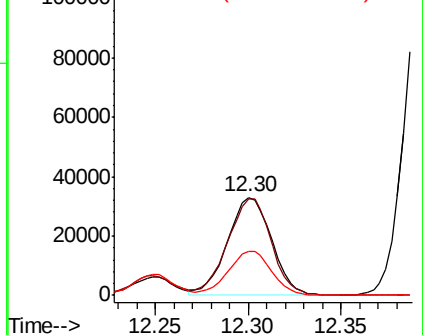
89 44.0 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN053150.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053150.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053150.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 20.706 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053150.D

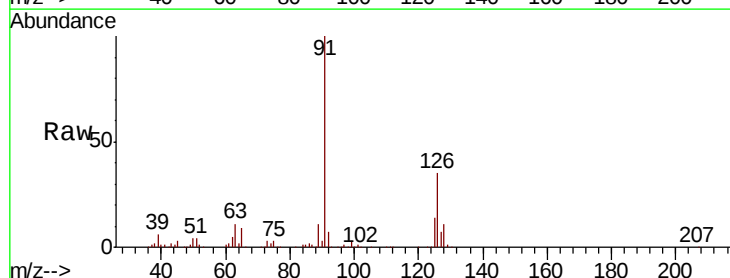
Acq: 22 Dec 2018 23:52

Tgt Ion: 91 Resp: 662026

Ion Ratio Lower Upper

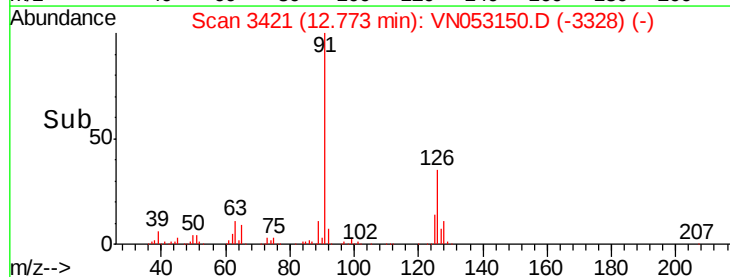
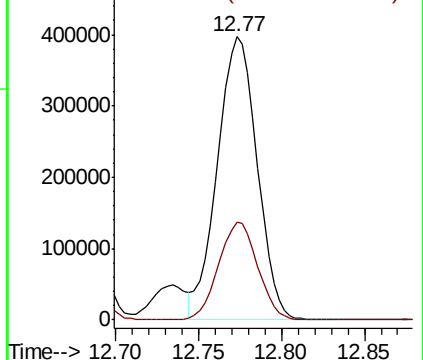
91 100

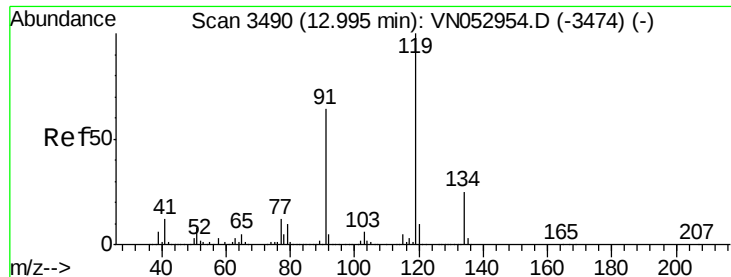
126 34.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN053150.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053150.D (-3328) (-)

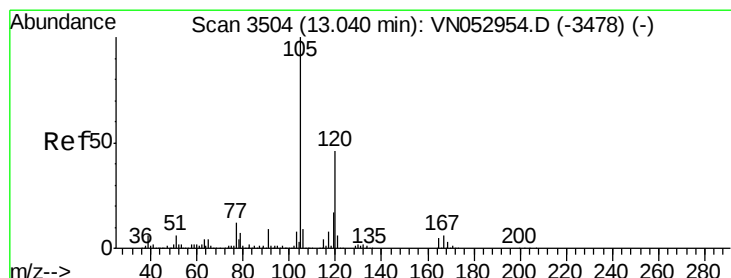
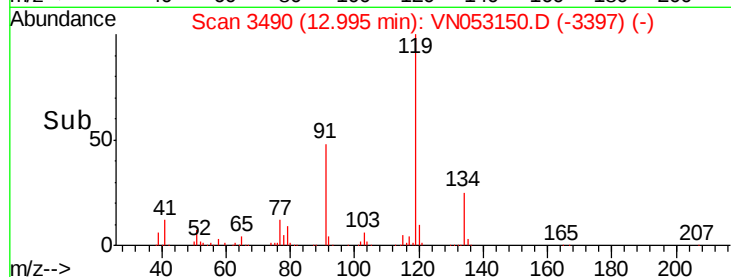
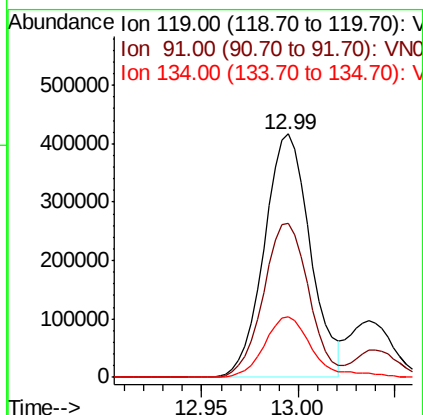
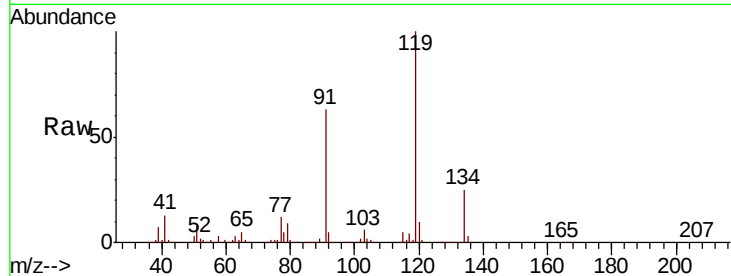




#83
tert-Butylbenzene
Concen: 20.651 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

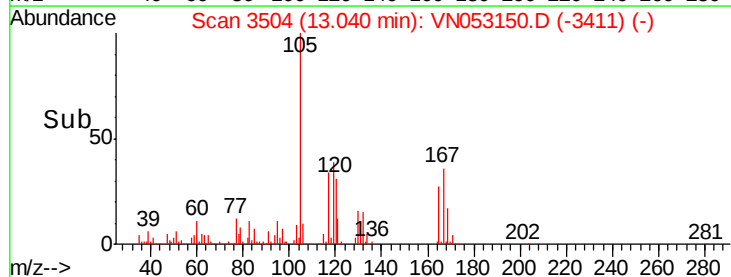
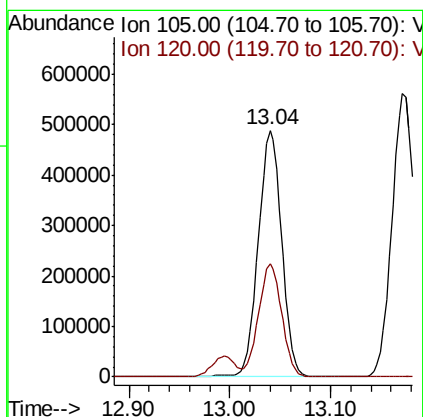
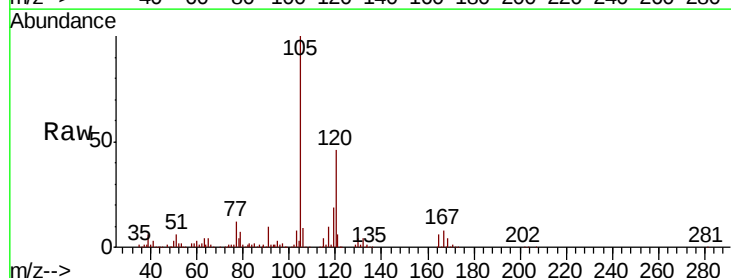
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS02

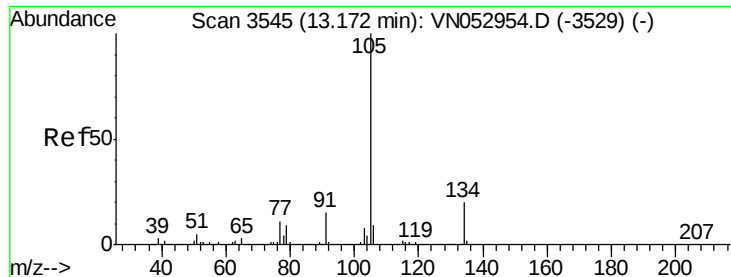
Tot Ion:119 Resp: 688748
Ion Ratio Lower Upper
119 100
91 62.4 31.9 95.5
134 25.9 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 20.665 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:105 Resp: 783419
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.8

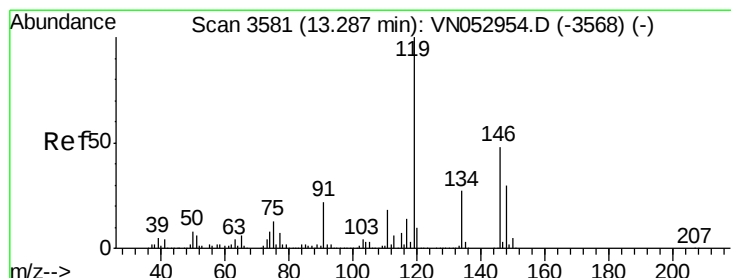
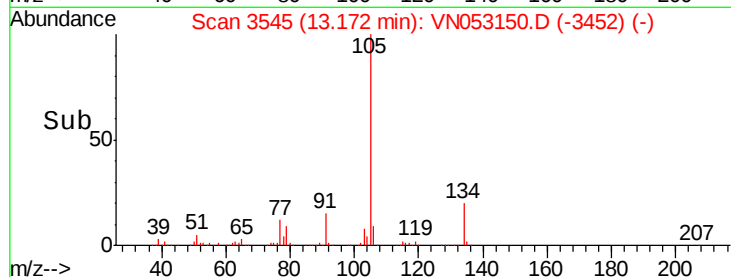
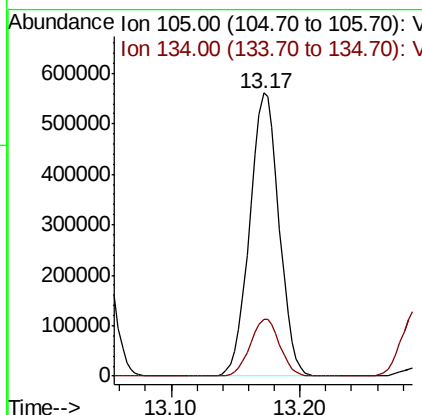
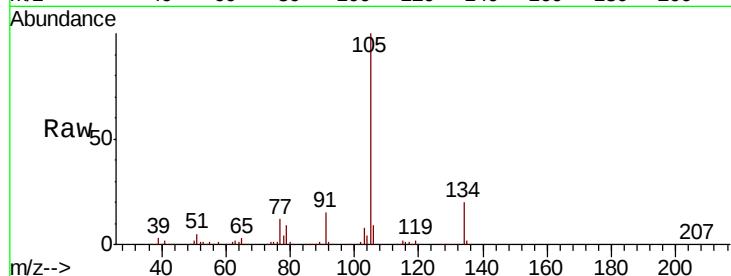




#85
 sec-Butylbenzene
 Concen: 19.724 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

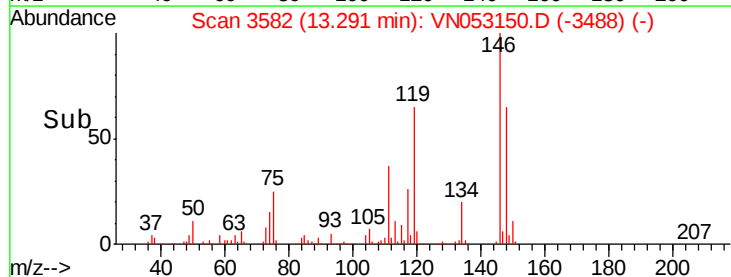
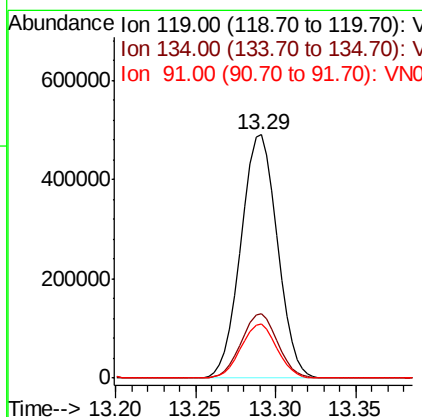
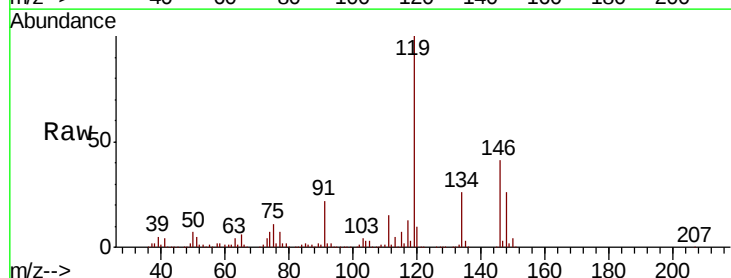
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

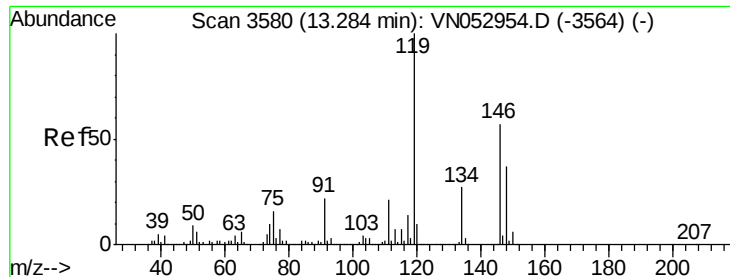
Tot Ion:105 Resp: 889790
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 19.500 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion:119 Resp: 760129
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 21.9 11.1 33.3

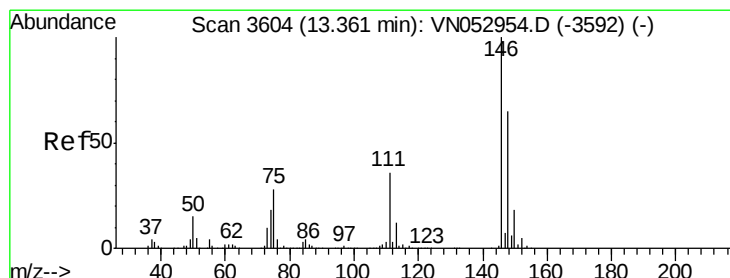
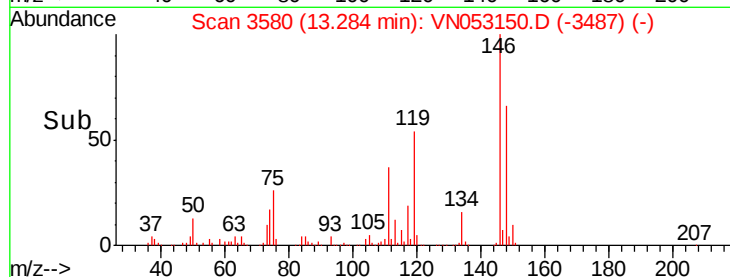
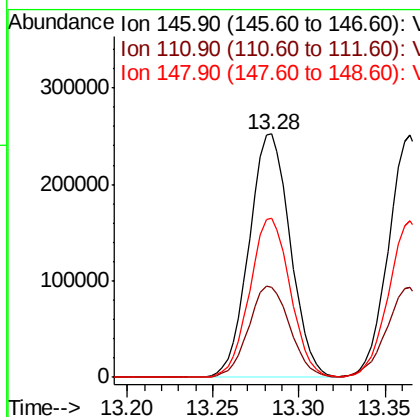
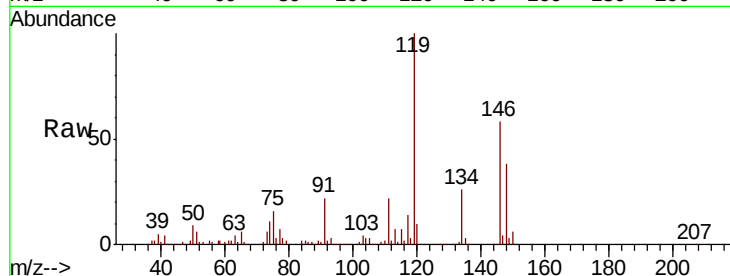




#87
 1,3-Dichlorobenzene
 Concen: 19.693 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

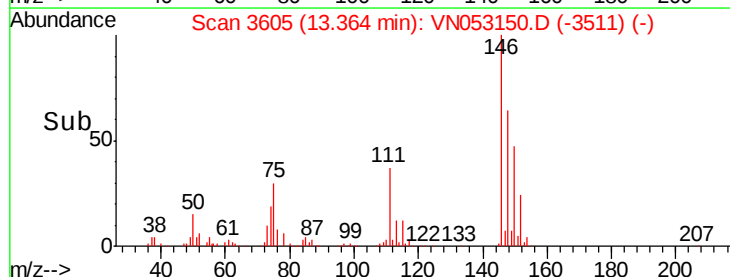
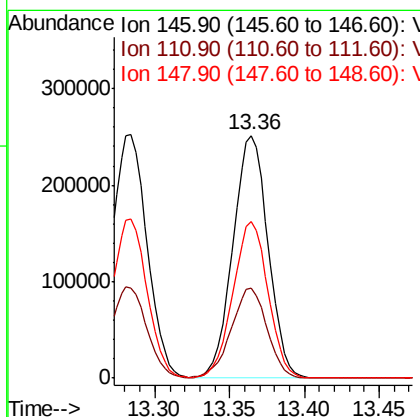
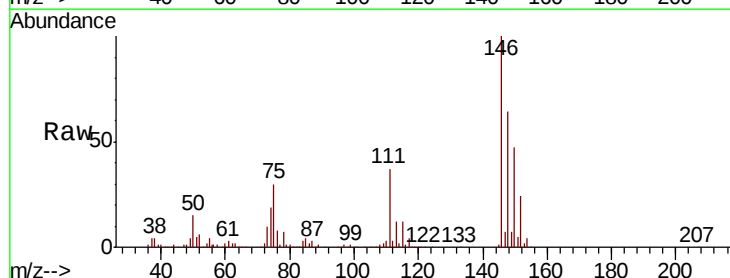
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

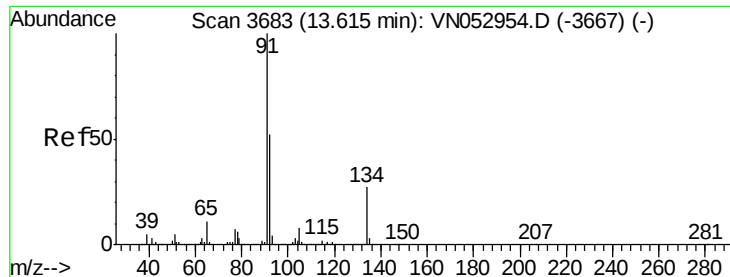
Tot Ion:146 Resp: 419179
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.1
 148 64.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.004 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion:146 Resp: 409639
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 55.8
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 17.155 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

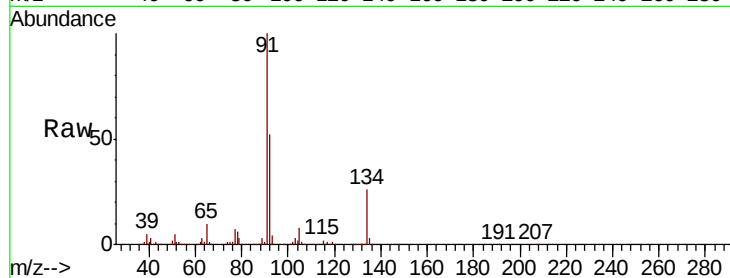
Tot Ion: 91 Resp: 575315

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

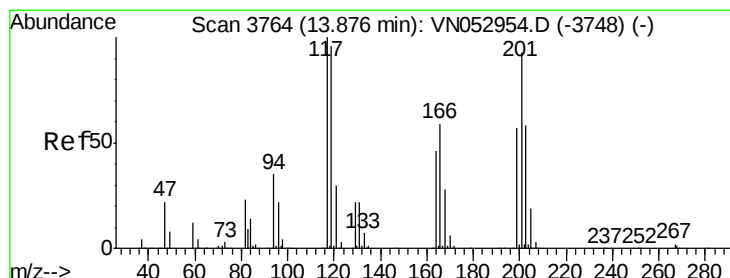
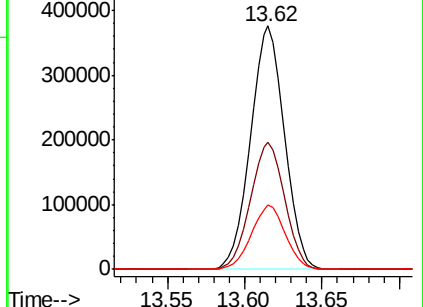
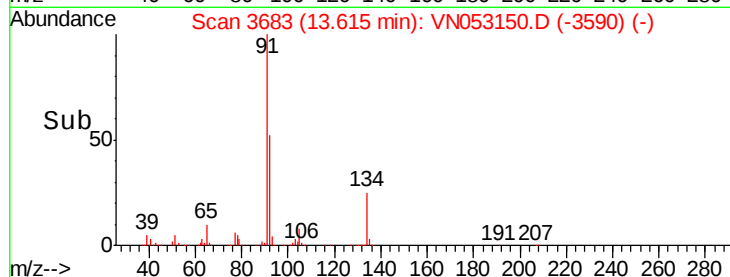
134 26.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053150.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN053150.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN053150.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.879 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053150.D

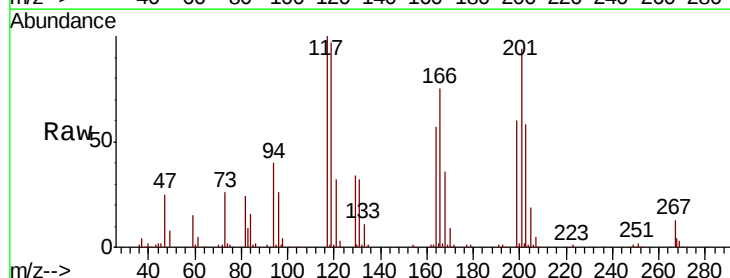
Acq: 22 Dec 2018 23:52

Tgt Ion: 117 Resp: 112934

Ion Ratio Lower Upper

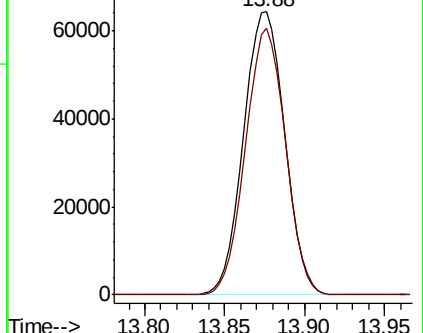
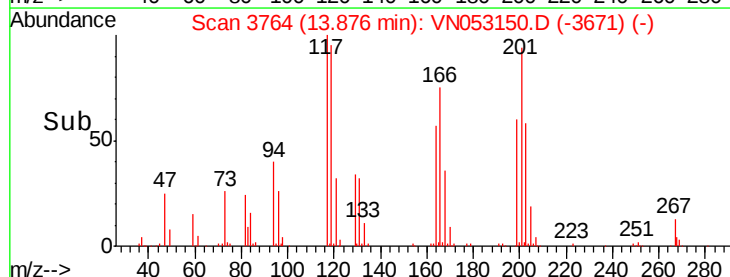
117 100

201 91.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053150.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053150.D (-3748) (-)

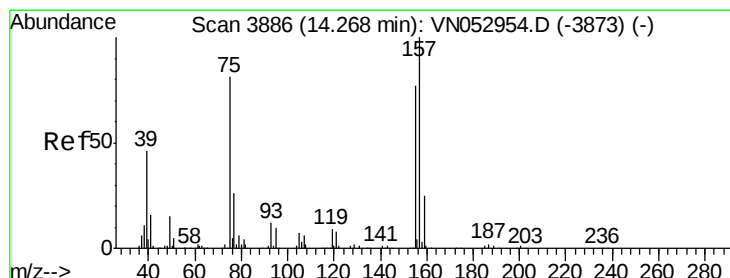
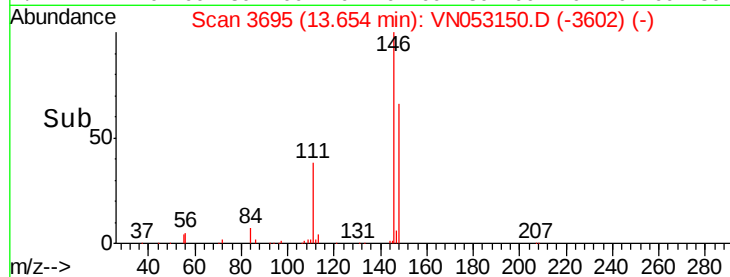
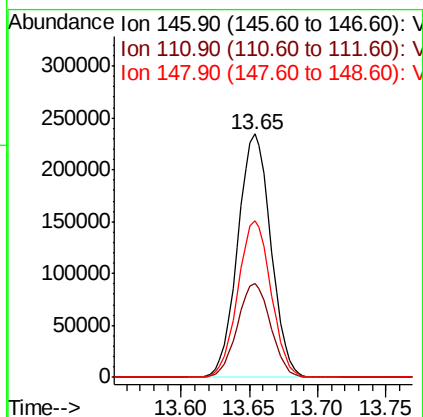
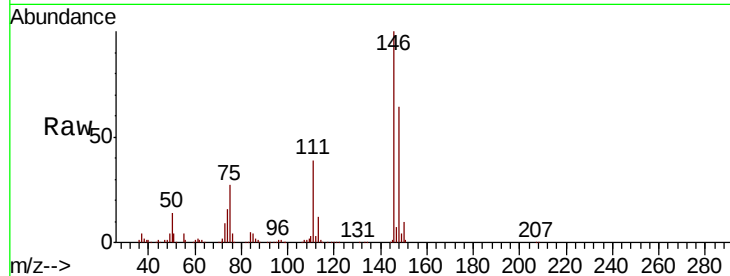




#91
 1,2-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

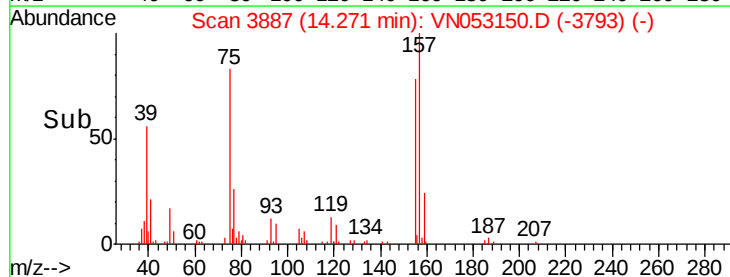
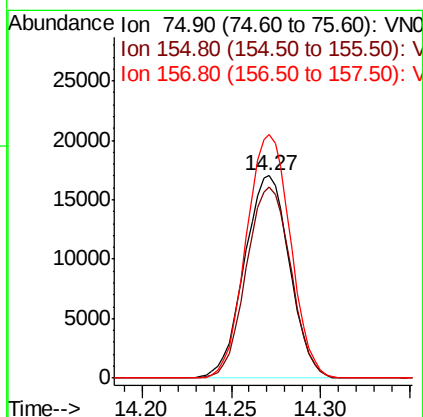
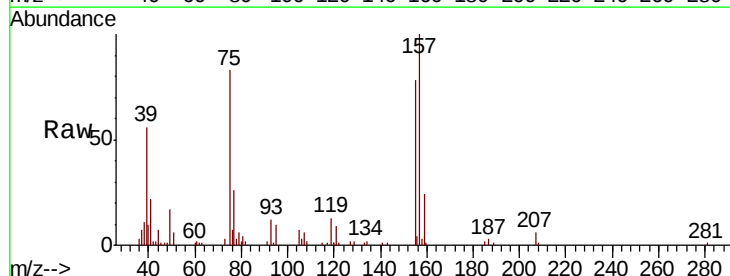
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.248 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.2	144.6
157	117.4	61.2	183.5

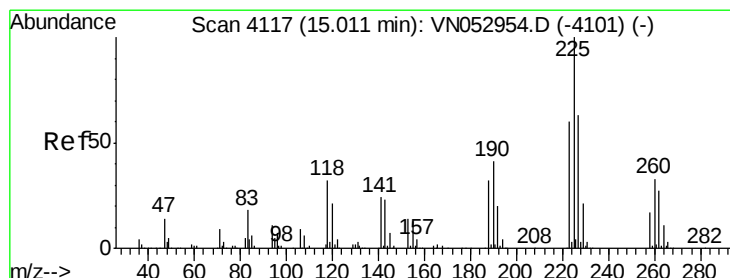
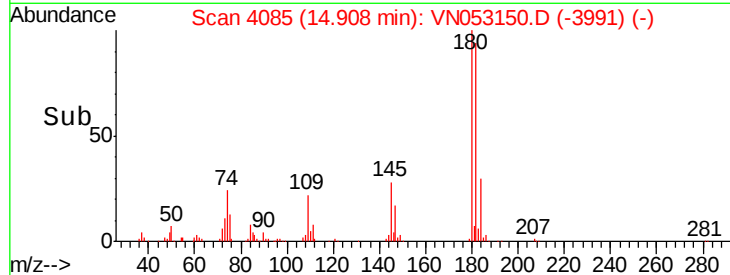
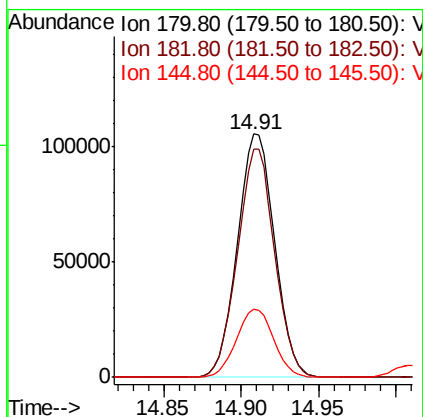
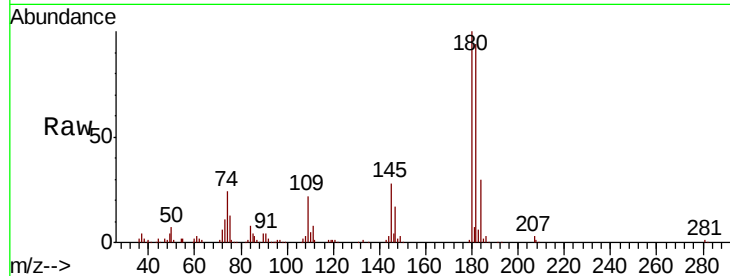




#93
 1,2,4-Trichlorobenzene
 Concen: 17.039 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

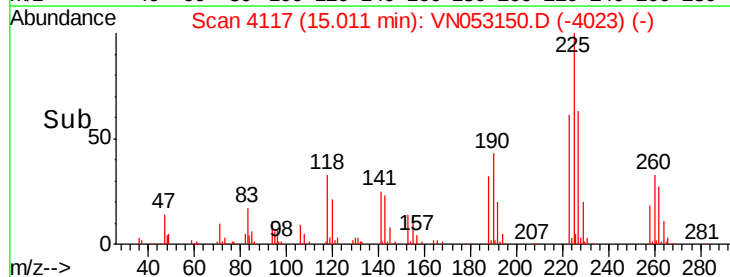
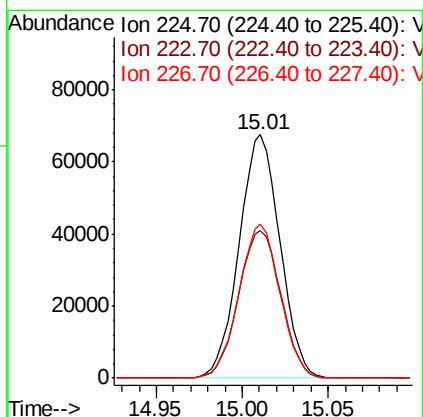
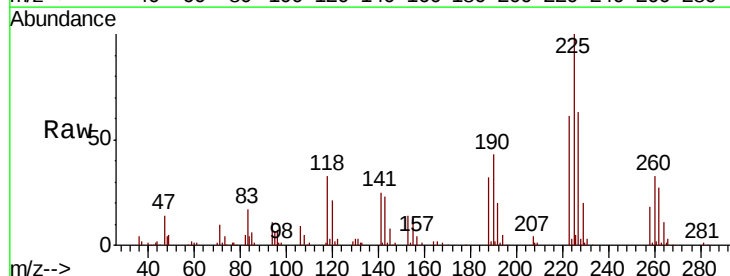
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

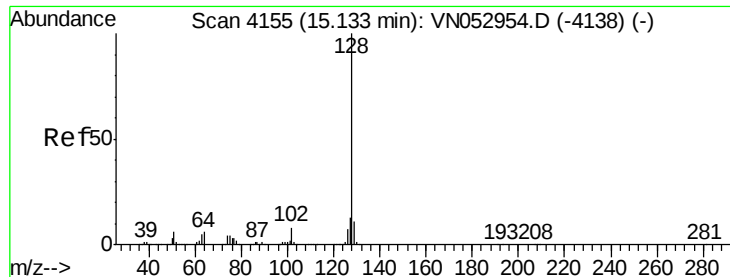
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	28.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.469 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	63.6	31.9	95.7





#95

Naphthalene

Concen: 17.771 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

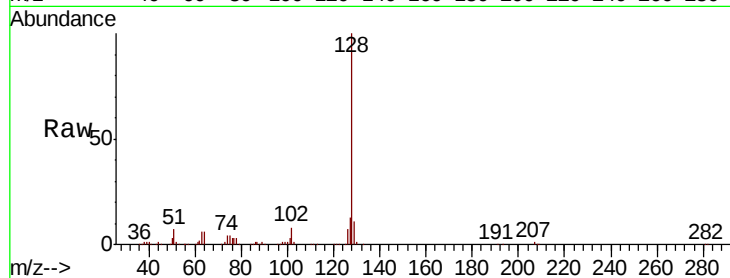
Tot Ion:128 Resp: 395581

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

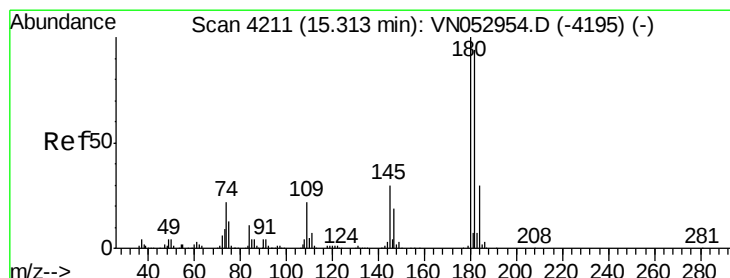
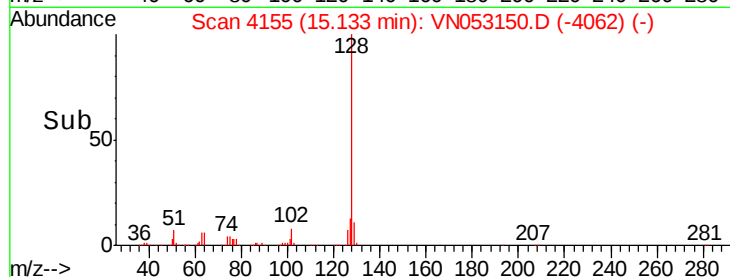
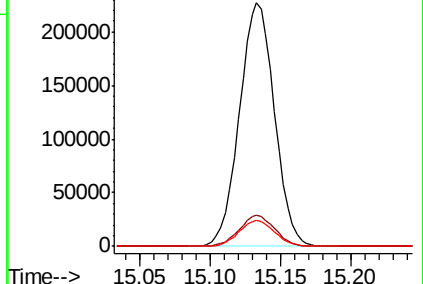
129 10.8 8.6 13.0



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: 17.188 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

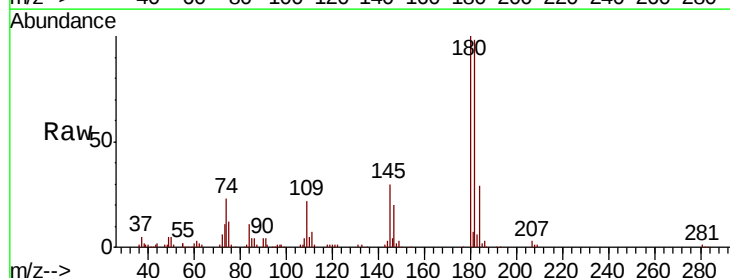
Tgt Ion:180 Resp: 161062

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.7

145 30.0 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

