

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050983.D
 Acq On : 31 Aug 2018 13:11
 Operator : MD\SY
 Sample : VN0831MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Quant Time: Aug 31 14:17:10 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	512607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	682276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322053	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	332907	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	312960	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.09	98	1131172	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	361151	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	128201	18.69	ug/l	100
3) Chloromethane	2.06	50	155650	18.40	ug/l	100
4) Vinyl Chloride	2.18	62	147990	18.46	ug/l	99
5) Bromomethane	2.56	94	89766	19.04	ug/l	98
6) Chloroethane	2.70	64	89659	19.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	200271	19.51	ug/l	98
8) Diethyl Ether	3.41	74	72522	20.78	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126620	19.75	ug/l	99
10) Methyl Iodide	3.95	142	94638	21.03	ug/l	99
11) Tert butyl alcohol	4.79	59	41981	106.83	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	111912	19.44	ug/l	99
13) Acrolein	3.61	56	12340	67.84	ug/l	96
14) Allyl chloride	4.33	41	173501	19.34	ug/l	100
15) Acrylonitrile	5.00	53	213289	106.80	ug/l	99
16) Acetone	3.82	43	146707	96.04	ug/l	94
17) Carbon Disulfide	4.05	76	322744	16.72	ug/l	99
18) Methyl Acetate	4.33	43	146278	25.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	317544	21.93	ug/l	99
20) Methylene Chloride	4.55	84	141664	20.37	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	120396	19.33	ug/l	97
22) Diisopropyl ether	5.96	45	395943	22.15	ug/l	99
23) Vinyl Acetate	5.90	43	1165922	101.26	ug/l	100
24) 1,1-Dichloroethane	5.85	63	235173	20.49	ug/l	99
25) 2-Butanone	6.84	43	227204	91.36	ug/l	99
26) 2,2-Dichloropropane	6.83	77	170819	18.52	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	141463	21.07	ug/l	98
28) Bromochloromethane	7.20	49	105157	21.56	ug/l	99
29) Tetrahydrofuran	7.22	42	156029	109.43	ug/l	99
30) Chloroform	7.37	83	239647	21.08	ug/l	100
31) Cyclohexane	7.66	56	190389	18.54	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	195437	20.02	ug/l	100
36) 1,1-Dichloropropene	7.80	75	166158	18.55	ug/l	99
37) Ethyl Acetate	6.93	43	103513	20.12	ug/l	98
38) Carbon Tetrachloride	7.78	117	173784	19.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	169739	17.52	ug/l	99
40) Benzene	8.04	78	538967	19.95	ug/l	100
41) Methacrylonitrile	7.18	41	60329	21.67	ug/l	93
42) 1,2-Dichloroethane	8.13	62	168971	20.92	ug/l	100
43) Isopropyl Acetate	8.17	43	183618	20.76	ug/l	98
44) Trichloroethene	8.84	130	139773	19.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	144231	20.32	ug/l	100
46) Dibromomethane	9.21	93	86433	20.72	ug/l	97
47) Bromodichloromethane	9.40	83	181974	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	92993	20.63	ug/l	99
49) 1,4-Dioxane	9.20	88	25502	414.91	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	527214	99.86	ug/l	99
52) Toluene	10.16	92	326313	20.39	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	171188	19.69	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204878	20.57	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125340	21.11	ug/l	98
56) Ethyl methacrylate	10.43	69	138812	19.47	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203994	20.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	291525	94.47	ug/l	99
59) 2-Hexanone	10.75	43	322728	91.83	ug/l	99
60) Dibromochloromethane	10.90	129	138265	20.79	ug/l	99
61) 1,2-Dibromoethane	11.01	107	119646	20.83	ug/l	100
64) Tetrachloroethene	10.63	164	126663	19.55	ug/l	99
65) Chlorobenzene	11.44	112	361529	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136855	20.97	ug/l	99
67) Ethyl Benzene	11.51	91	564830	19.48	ug/l	100
68) m/p-Xylenes	11.62	106	446612	40.58	ug/l	100
69) o-Xylene	11.95	106	213636	20.19	ug/l	99
70) Styrene	11.97	104	336194	18.84	ug/l	98
71) Bromoform	12.13	173	94578	21.08	ug/l #	98
73) Isopropylbenzene	12.25	105	557667	20.91	ug/l	100
74) N-amyl acetate	12.07	43	132587	19.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152553	23.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171330	30.37	ug/l #	100
77) Bromobenzene	12.53	156	148279	20.46	ug/l	99
78) n-propylbenzene	12.59	91	612238	20.55	ug/l	100
79) 2-Chlorotoluene	12.68	91	390995	21.07	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	462324	21.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32260	19.33	ug/l	95
82) 4-Chlorotoluene	12.77	91	376633	20.56	ug/l	100
83) tert-Butylbenzene	12.99	119	390582	20.96	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	460083	21.26	ug/l	98
85) sec-Butylbenzene	13.17	105	509815	20.88	ug/l	100
86) p-Isopropyltoluene	13.29	119	437612	21.03	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	242812	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232086	19.17	ug/l	100
89) n-Butylbenzene	13.62	91	302336	18.17	ug/l	99
90) Hexachloroethane	13.87	117	85083	21.56	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	240935	20.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19551	20.41	ug/l	98

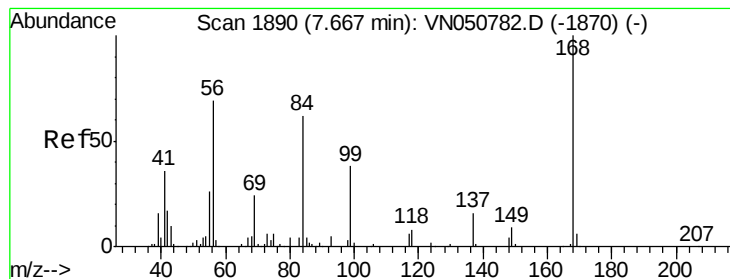
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083118\
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Quant Time: Aug 31 14:17:10 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82011	16.28	ug/l	99
94) Hexachlorobutadiene	15.01	225	74732	20.59	ug/l	98
95) Naphthalene	15.13	128	155587	16.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	88205	17.53	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

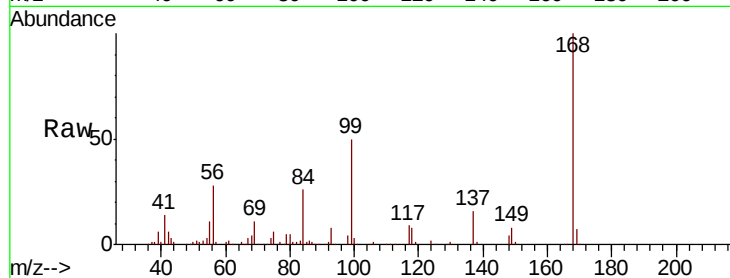
VN0831MBS01

Tot Ion:168 Resp: 512607

Ion Ratio Lower Upper

168 100

99 49.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050782.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050782.D (-1870) (-)

7.67

250000

200000

150000

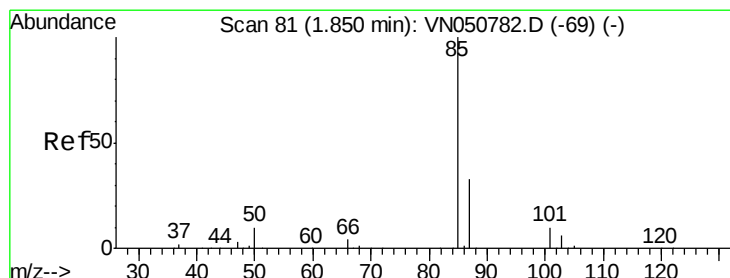
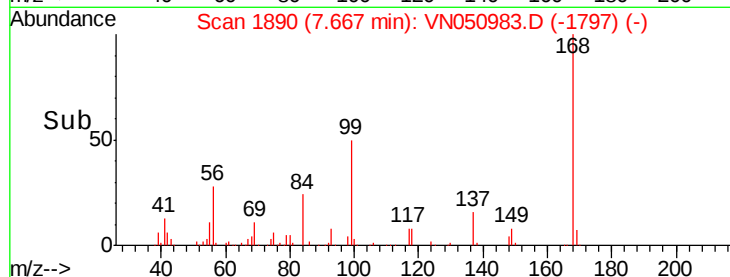
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050983.D

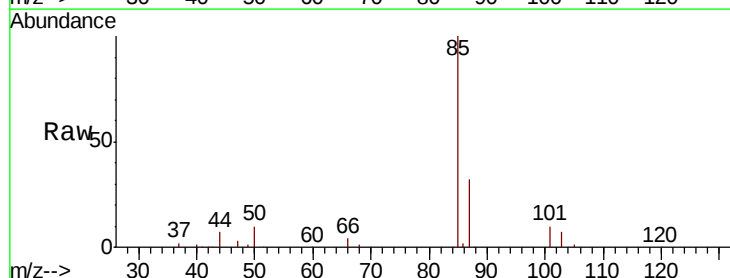
Acq: 31 Aug 2018 13:11

Tgt Ion: 85 Resp: 128201

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN050782.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050782.D (-69) (-)

1.85

100000

80000

60000

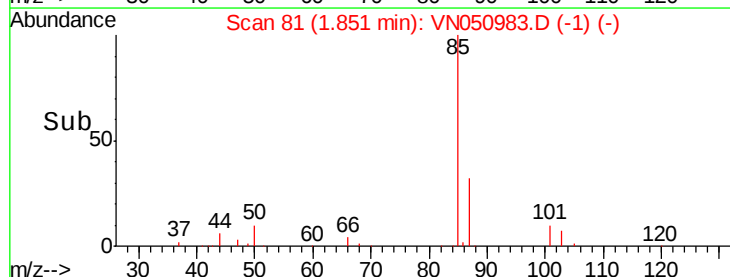
40000

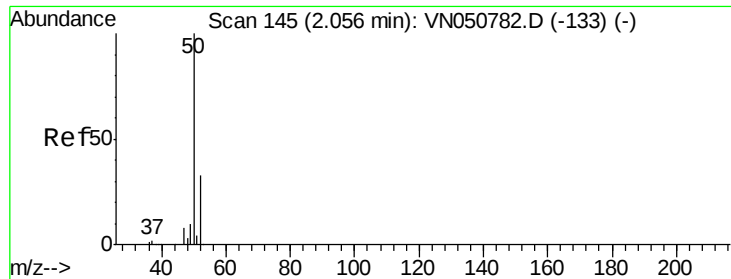
20000

0

1.80 1.85 1.90 1.95

Time-->

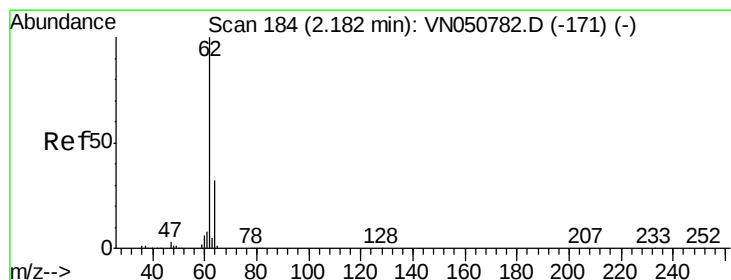
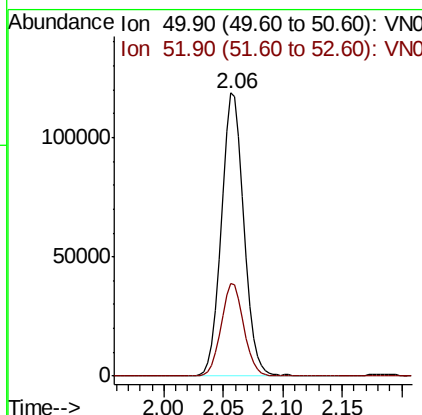
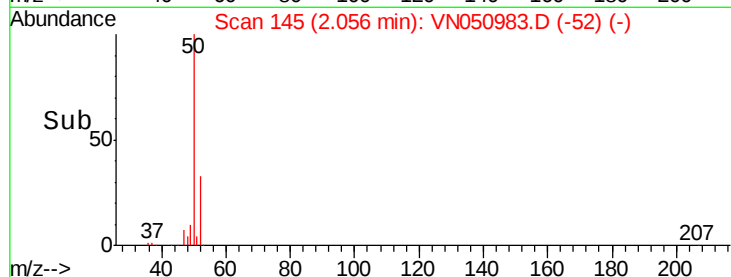
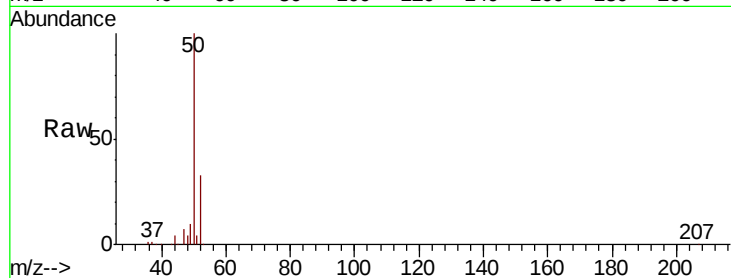




#3
Chloromethane
Concen: 18.40 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

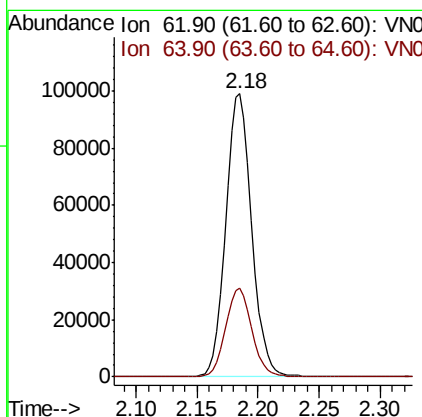
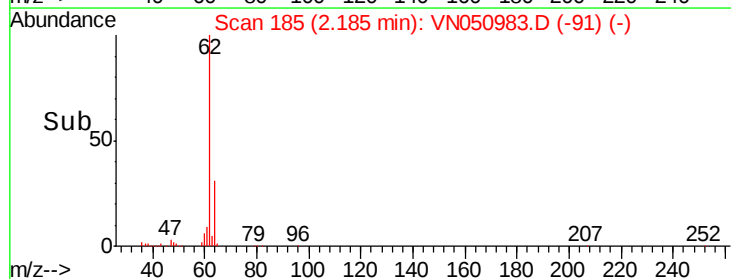
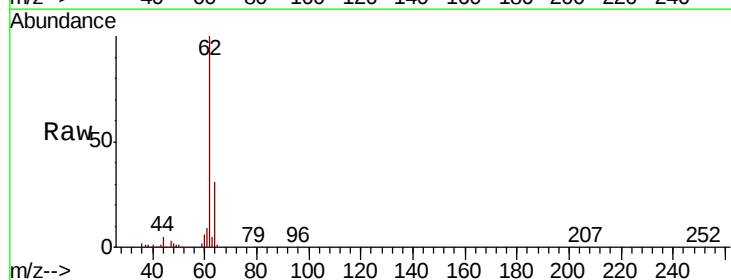
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

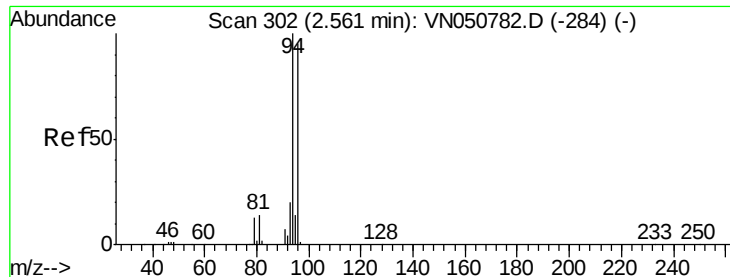
Tot Ion: 50 Resp: 155650
Ion Ratio Lower Upper
50 100
52 33.0 26.3 39.5



#4
Vinyl Chloride
Concen: 18.46 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 62 Resp: 147990
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.2





#5

Bromomethane

Concen: 19.04 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

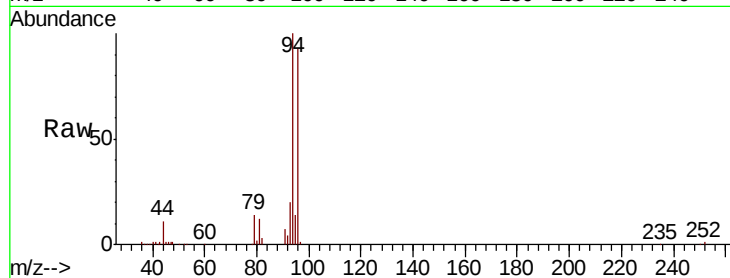
VN0831MBS01

Tot Ion: 94 Resp: 89766

Ion Ratio Lower Upper

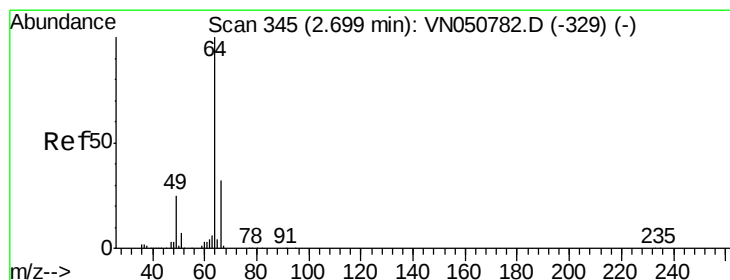
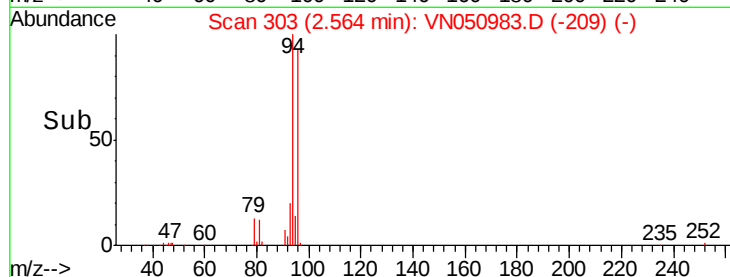
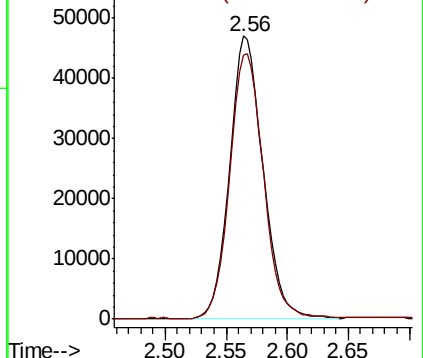
94 100

96 93.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.36 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050983.D

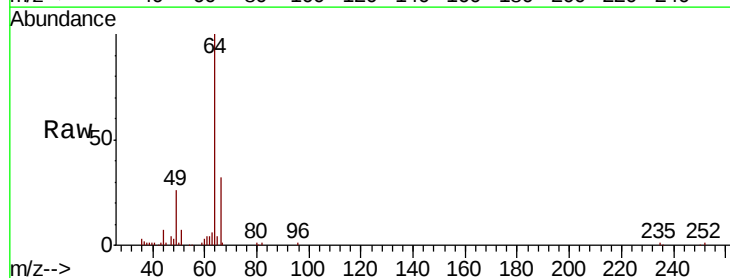
Acq: 31 Aug 2018 13:11

Tgt Ion: 64 Resp: 89659

Ion Ratio Lower Upper

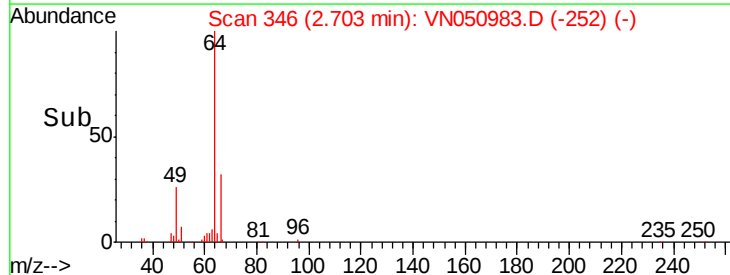
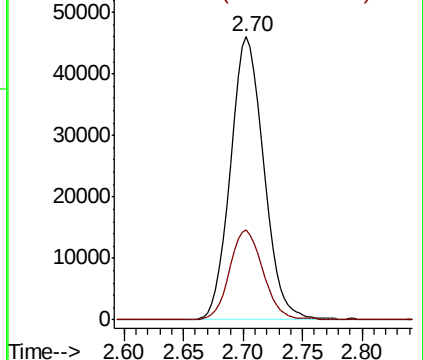
64 100

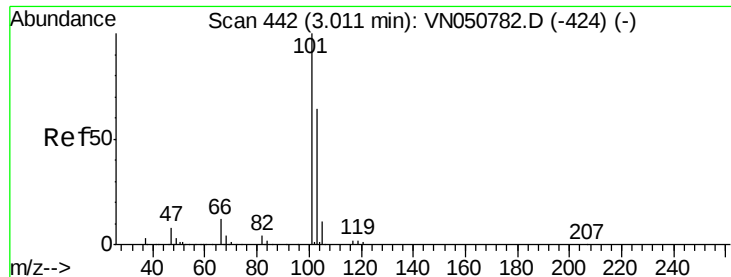
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



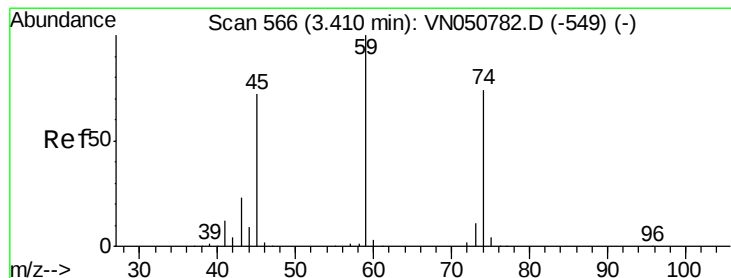
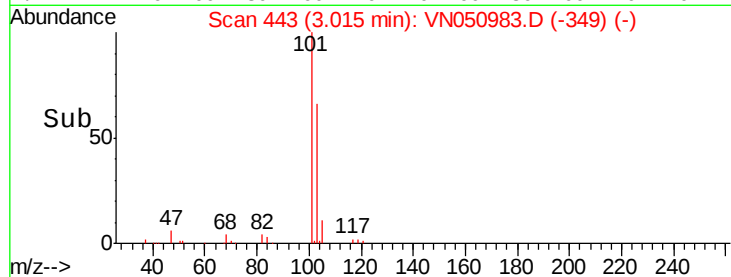
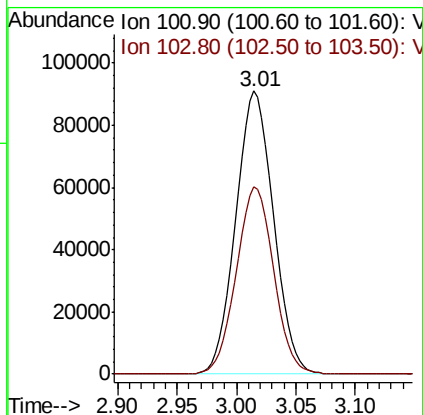
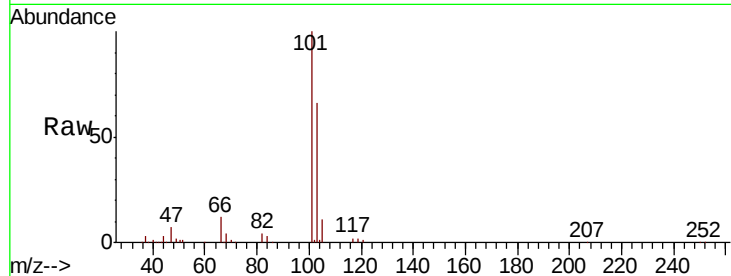


#7

Trichlorofluoromethane
 Concen: 19.51 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831MBS01

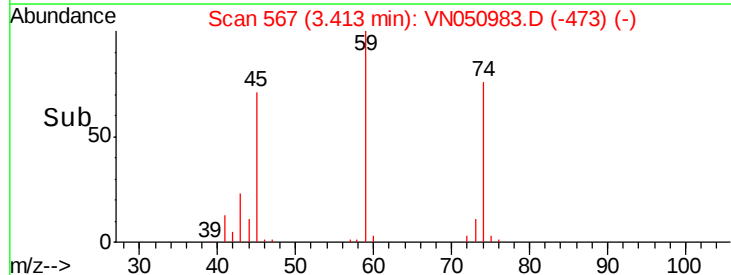
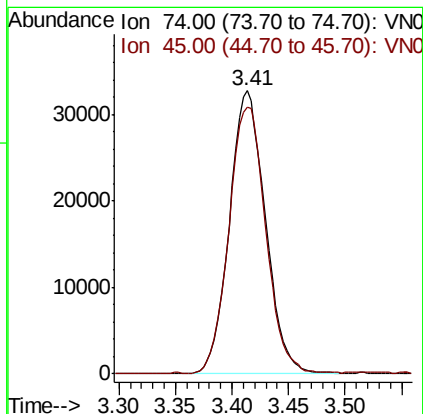
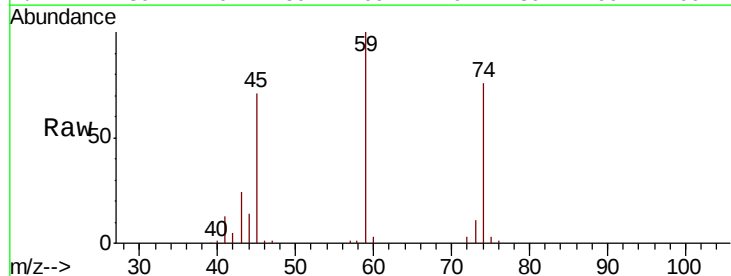
Tot Ion:101 Resp: 200271
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.6 77.4

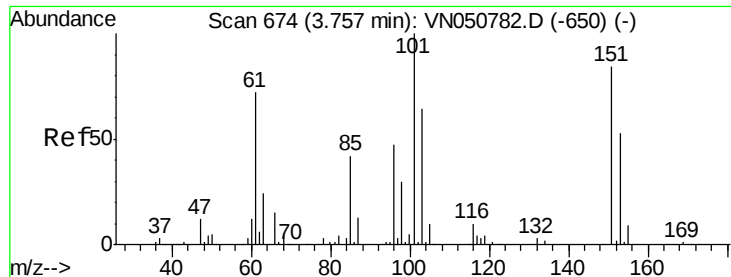


#8

Diethyl Ether
 Concen: 20.78 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 74 Resp: 72522
 Ion Ratio Lower Upper
 74 100
 45 97.1 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.75 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

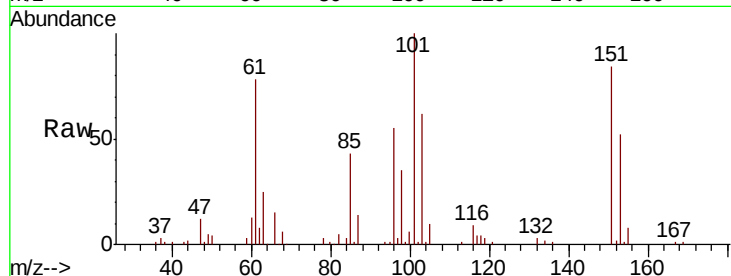
Tot Ion:101 Resp: 126620

Ion Ratio Lower Upper

101 100

85 41.9 33.7 50.5

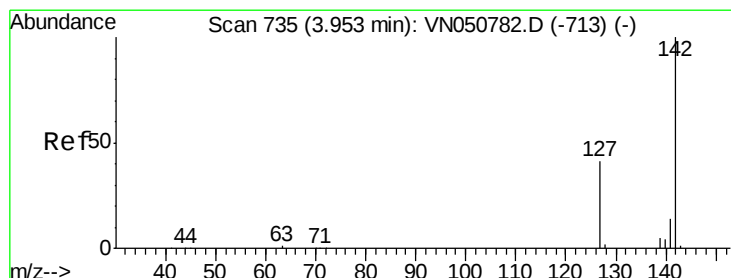
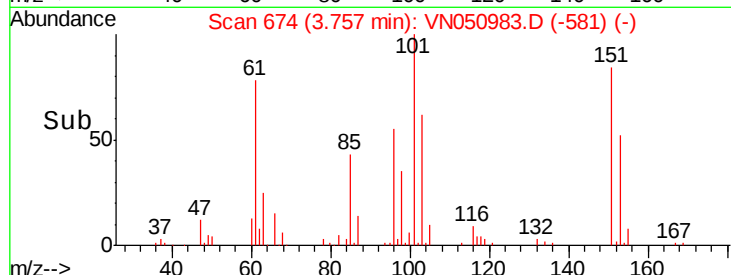
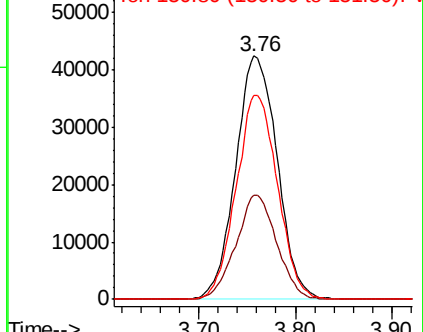
151 83.5 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.03 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

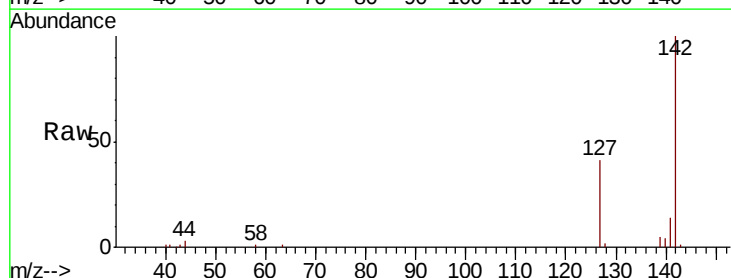
Tgt Ion:142 Resp: 94638

Ion Ratio Lower Upper

142 100

127 40.1 31.7 47.5

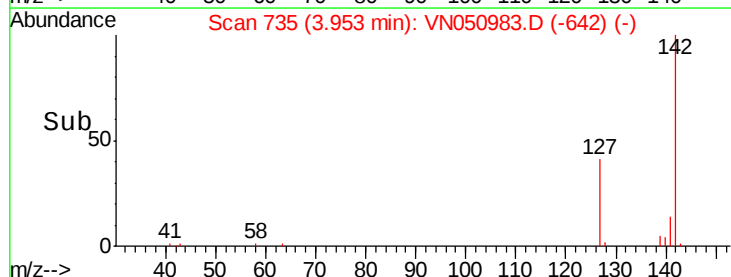
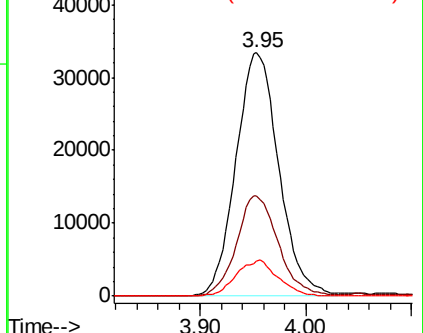
141 14.2 11.4 17.0

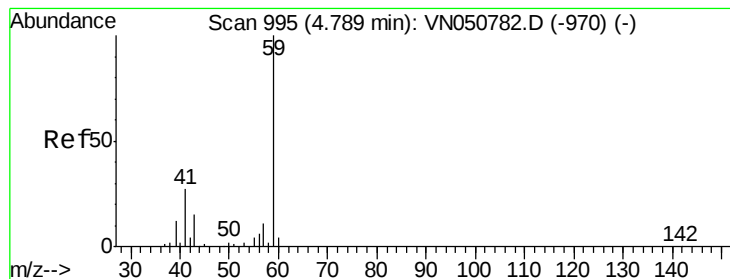


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



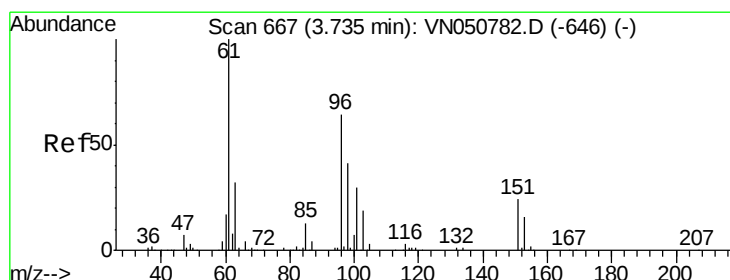
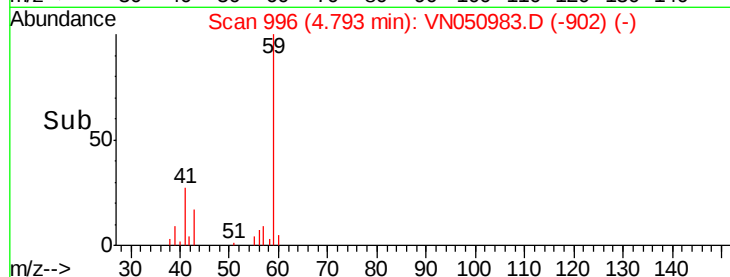
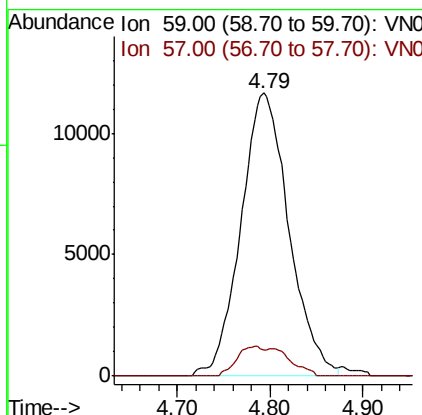
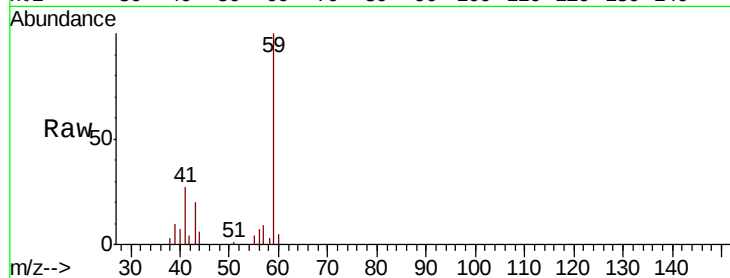


#11

Tert butyl alcohol
 Concen: 106.83 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831MBS01

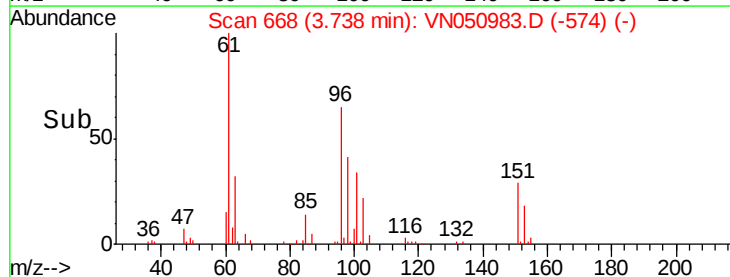
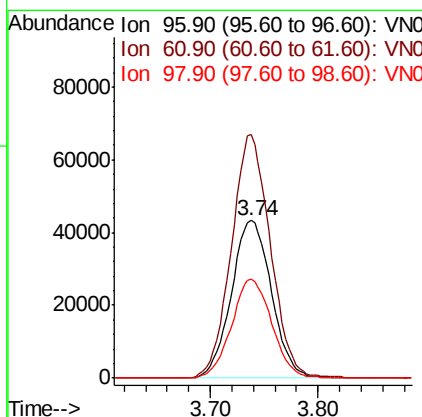
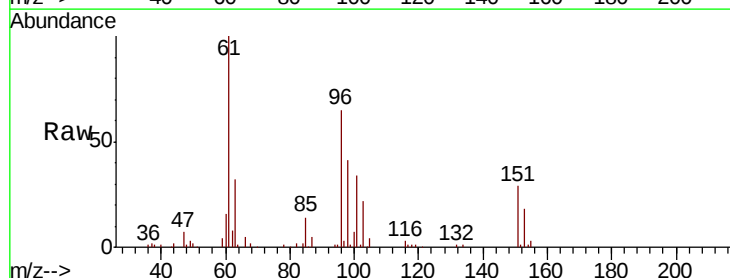
Tot Ion: 59 Resp: 41981
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.3 12.5#

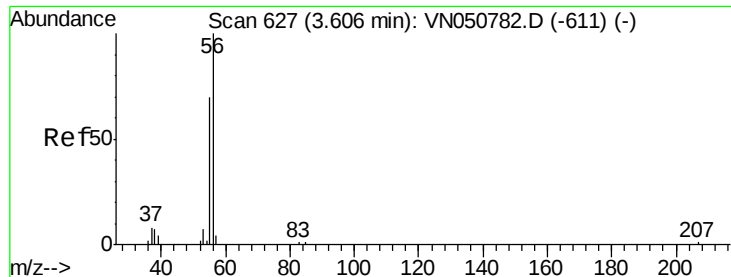


#12

1,1-Dichloroethene
 Concen: 19.44 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 96 Resp: 111912
 Ion Ratio Lower Upper
 96 100
 61 154.6 124.9 187.3
 98 62.8 51.1 76.7





#13

Acrolein

Concen: 67.84 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

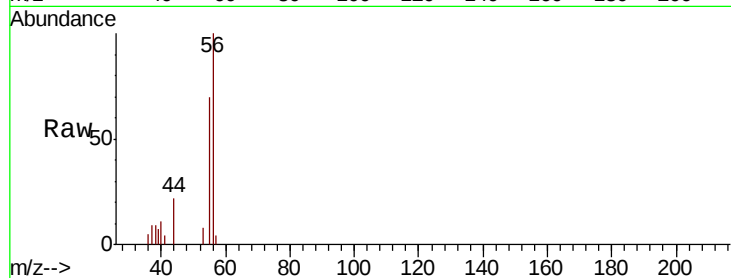
VN0831MBS01

Tot Ion: 56 Resp: 12340

Ion Ratio Lower Upper

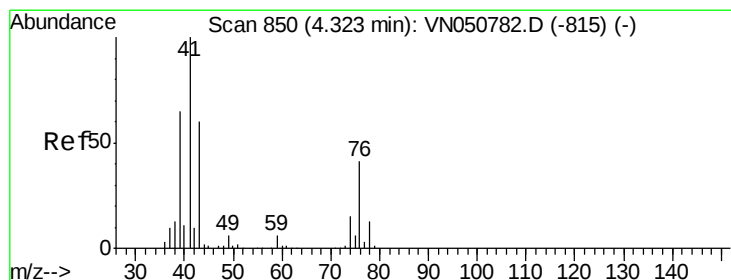
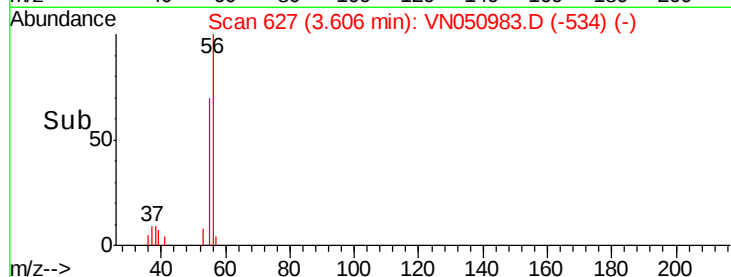
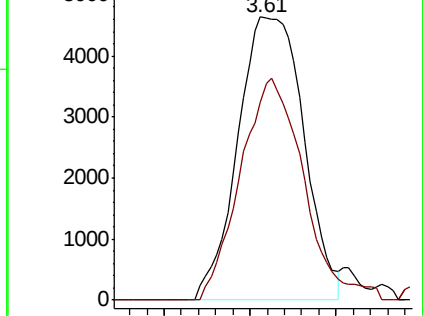
56 100

55 75.4 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.34 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

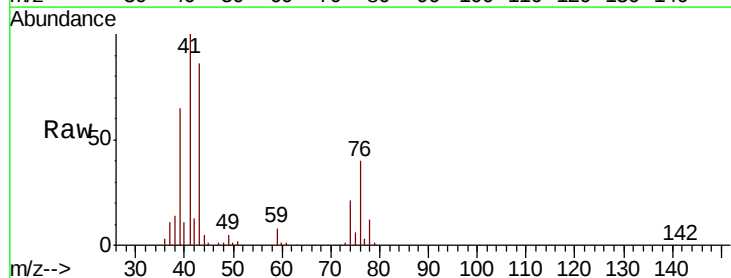
Tgt Ion: 41 Resp: 173501

Ion Ratio Lower Upper

41 100

39 62.2 50.2 75.2

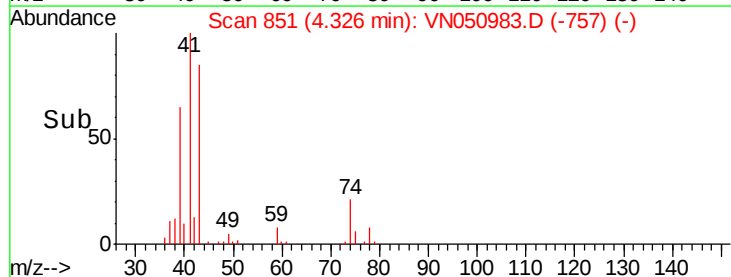
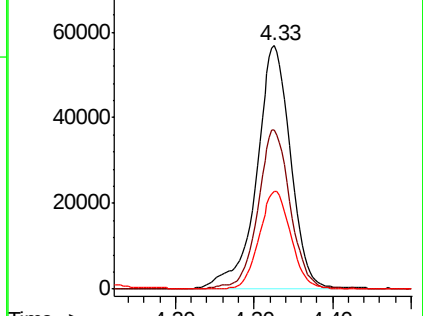
76 37.5 29.8 44.8

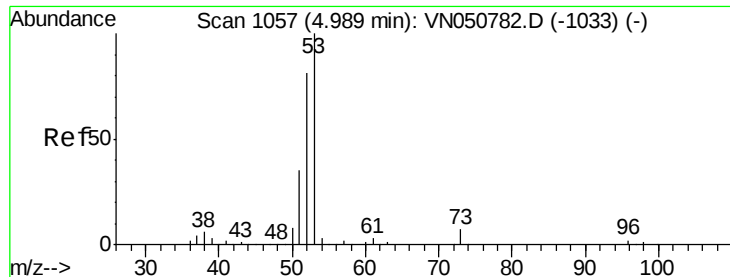


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 106.80 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

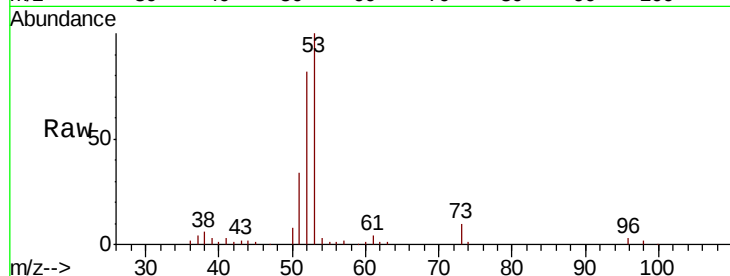
Tot Ion: 53 Resp: 213289

Ion Ratio Lower Upper

53 100

52 81.3 65.9 98.9

51 36.5 28.6 43.0

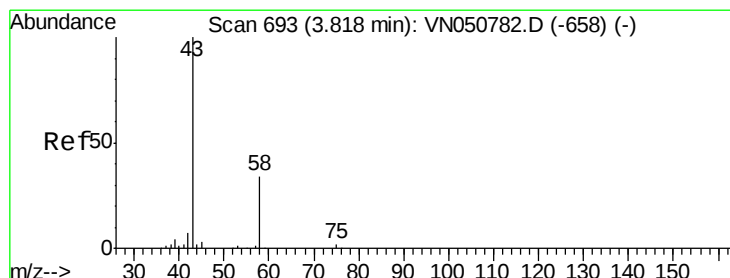
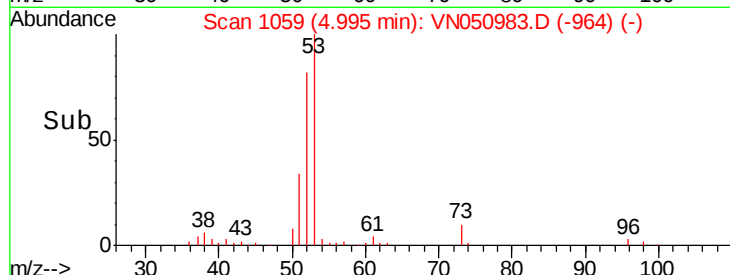
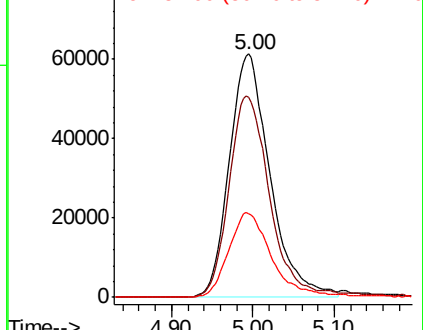


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.04 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050983.D

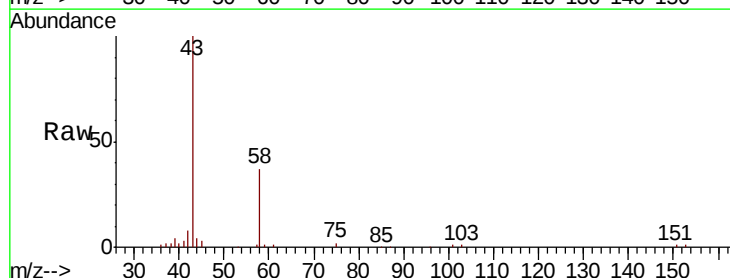
Acq: 31 Aug 2018 13:11

Tgt Ion: 43 Resp: 146707

Ion Ratio Lower Upper

43 100

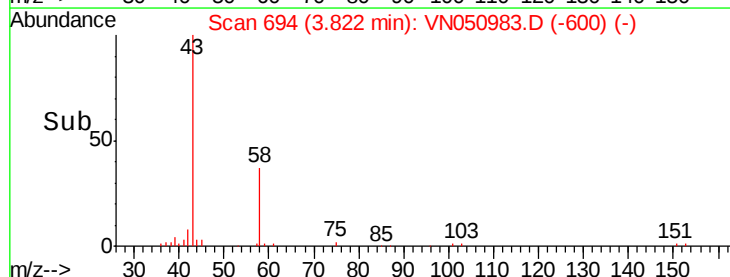
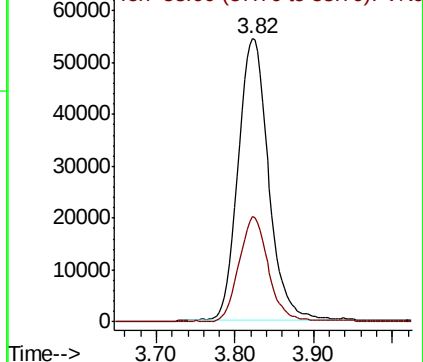
58 37.3 27.2 40.8

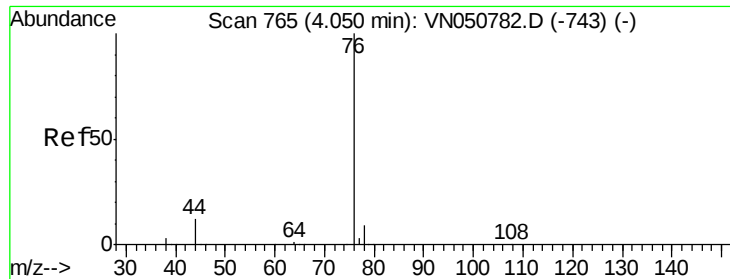


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

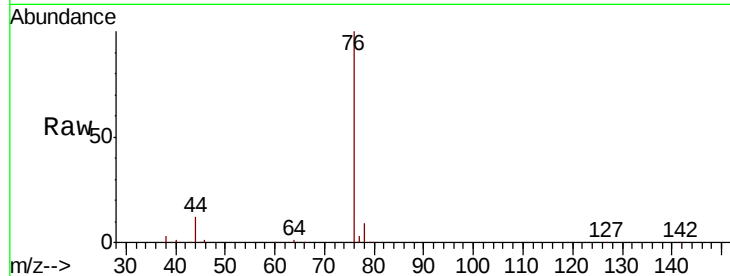




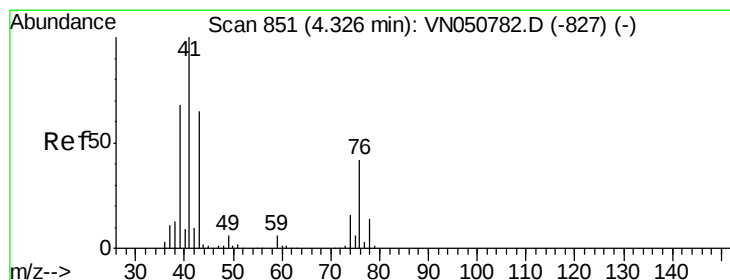
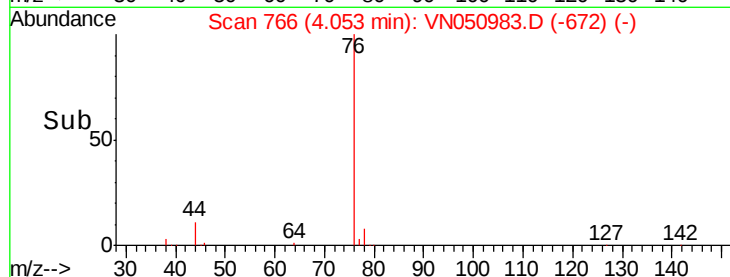
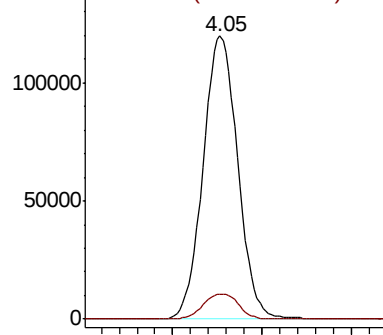
#17
Carbon Disulfide
Concen: 16.72 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion: 76 Resp: 322744
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

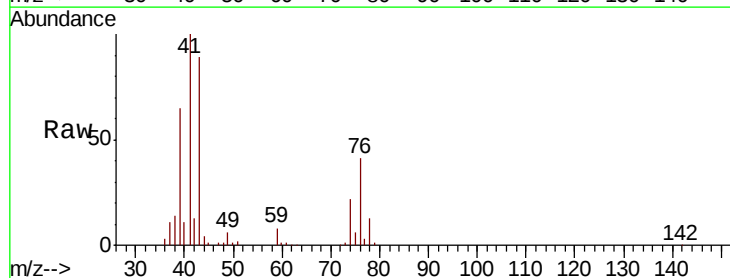


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

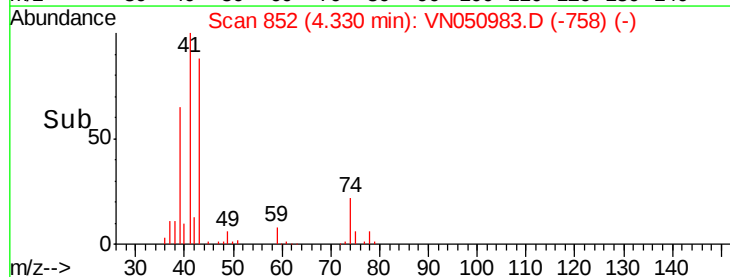
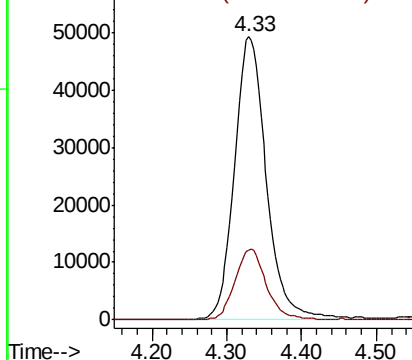


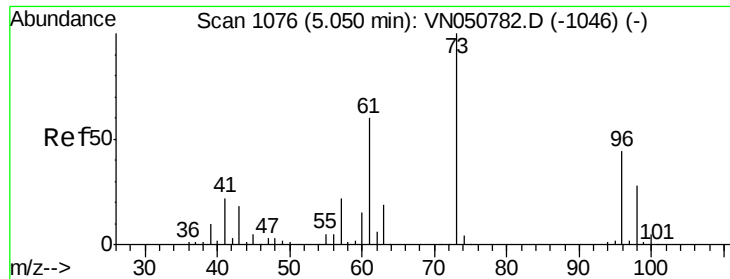
#18
Methyl Acetate
Concen: 25.10 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 43 Resp: 146278
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

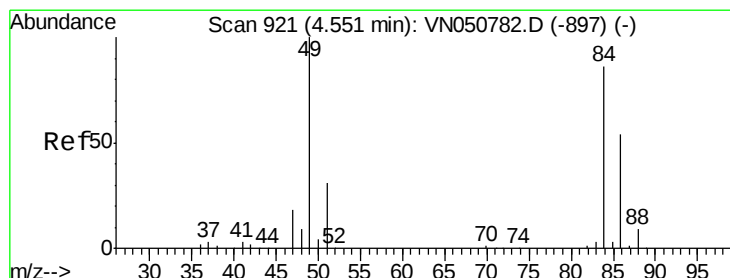
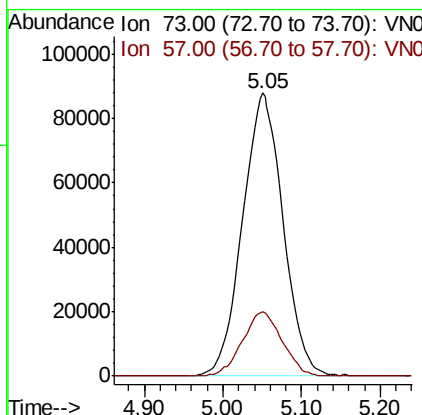
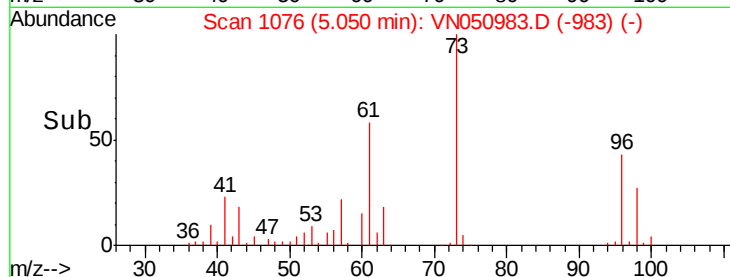
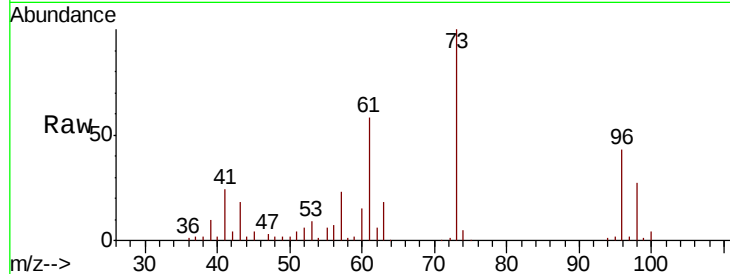




#19
Methyl tert-butyl Ether
Concen: 21.93 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

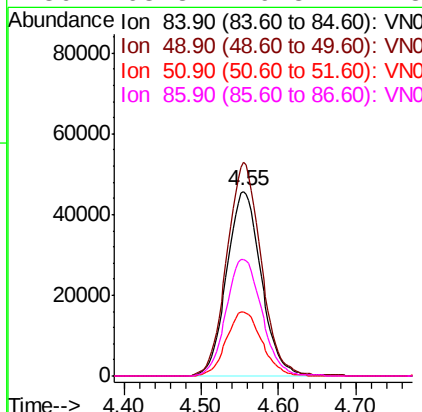
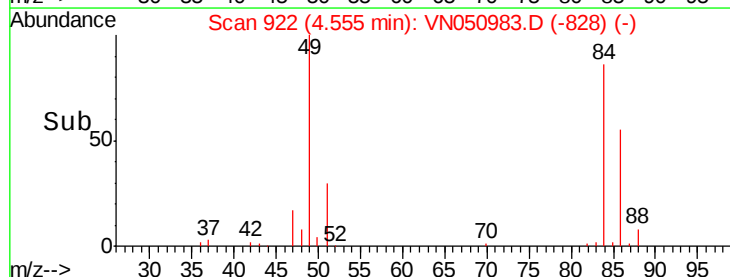
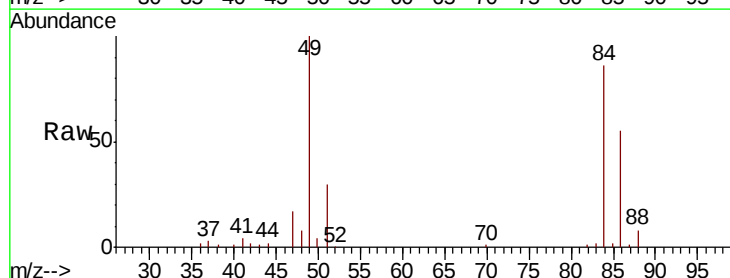
Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

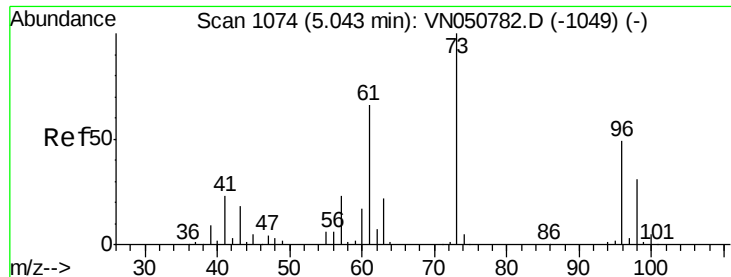
Tot Ion: 73 Resp: 317544
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 20.37 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 84 Resp: 141664
Ion Ratio Lower Upper
84 100
49 115.7 93.2 139.8
51 34.6 29.0 43.6
86 63.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.33 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

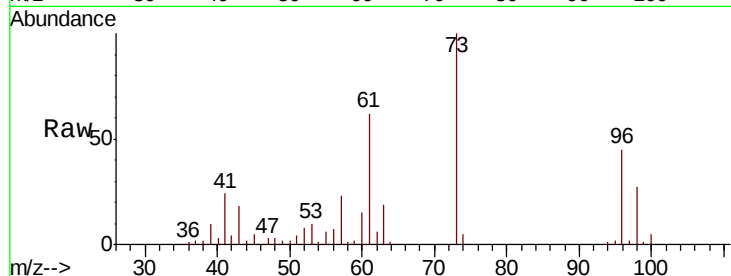
Tot Ion: 96 Resp: 120396

Ion Ratio Lower Upper

96 100

61 138.3 107.4 161.0

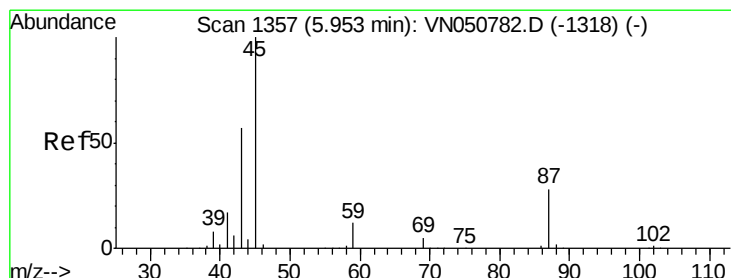
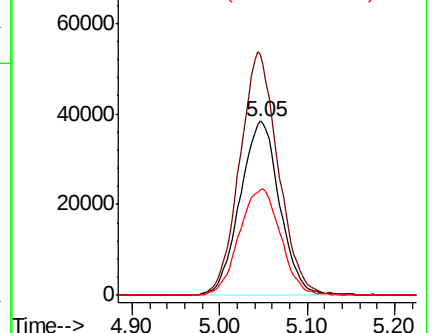
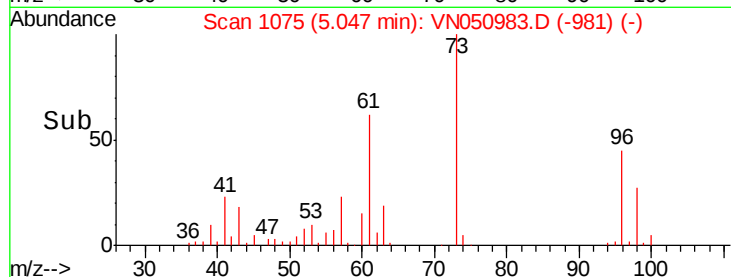
98 60.9 50.7 76.1



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



#22

Diisopropyl ether

Concen: 22.15 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion: 45 Resp: 395943

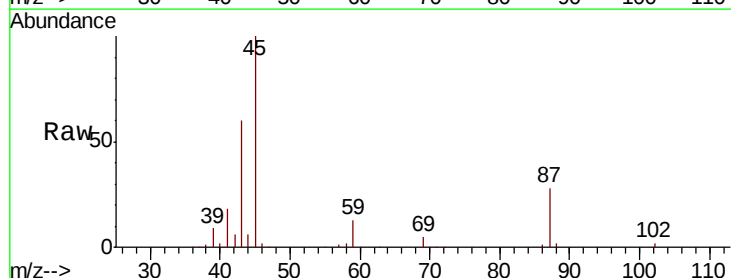
Ion Ratio Lower Upper

45 100

43 58.3 45.9 68.9

87 28.0 22.7 34.1

59 12.4 9.3 13.9

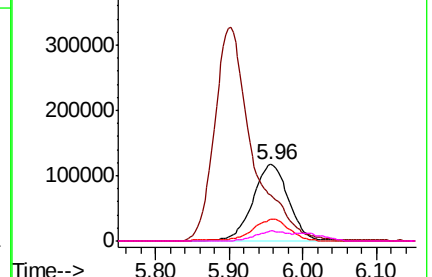
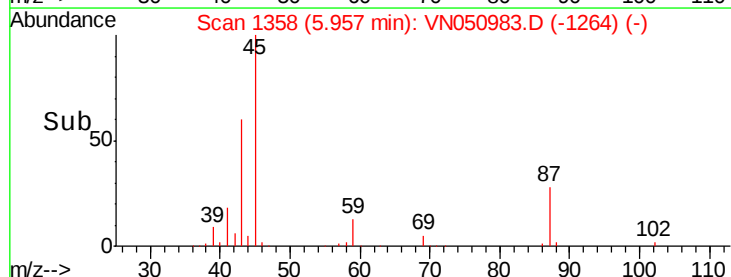


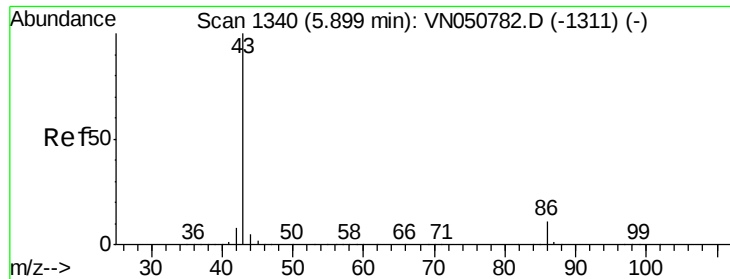
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

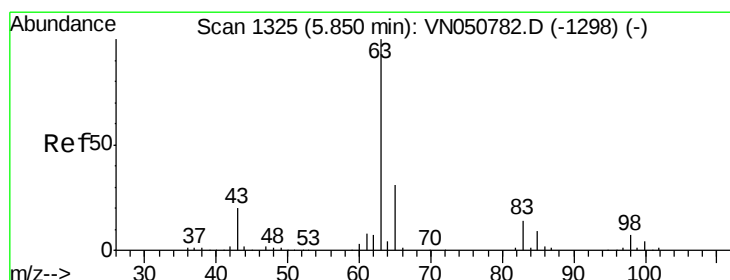
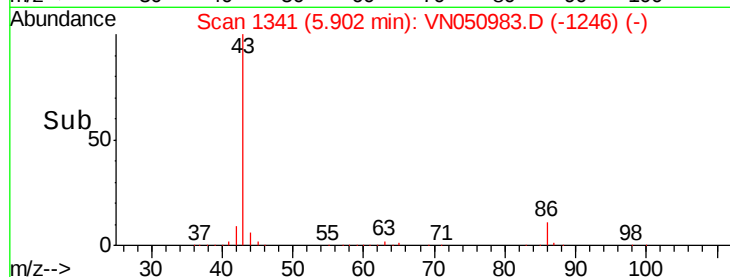
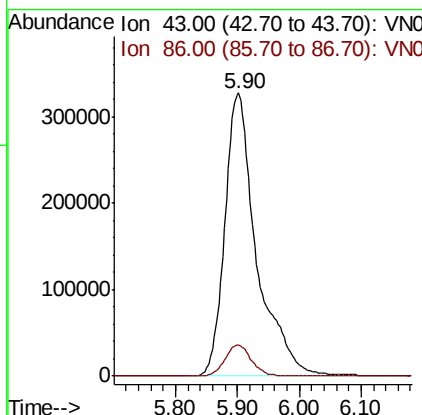
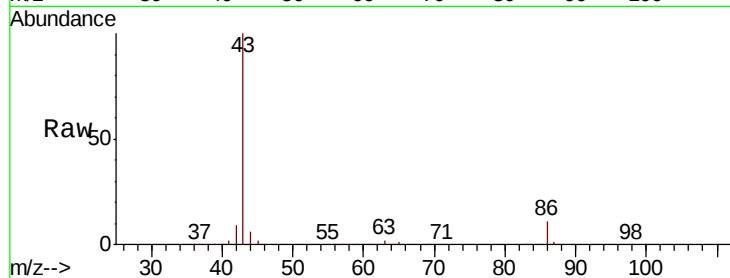




#23
 Vinyl Acetate
 Concen: 101.26 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

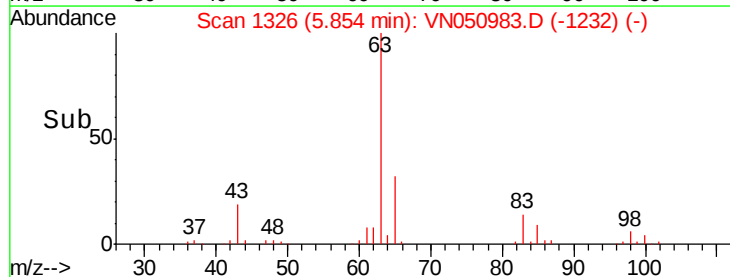
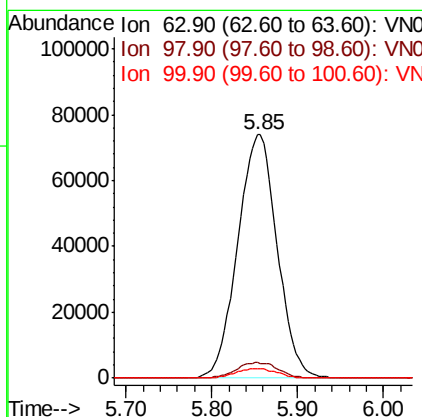
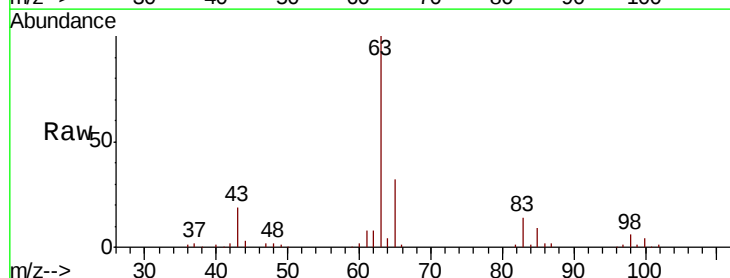
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

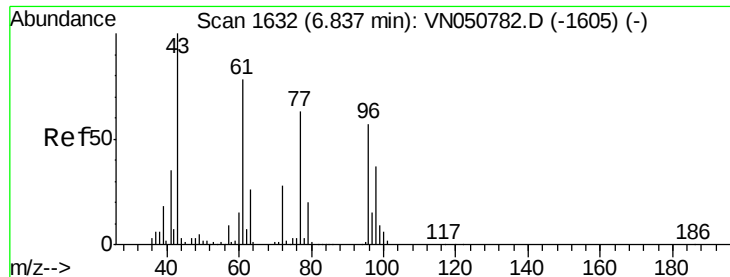
Tot Ion: 43 Resp: 1165922
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.49 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 63 Resp: 235173
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.8
 100 4.0 2.1 6.5

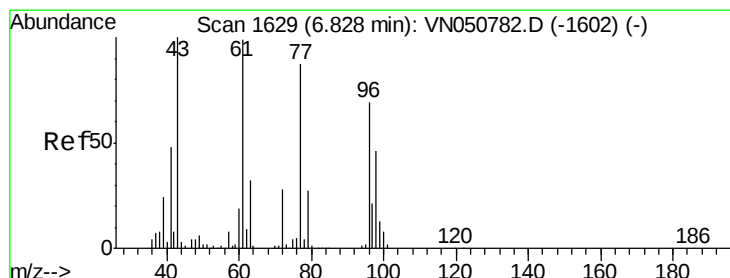
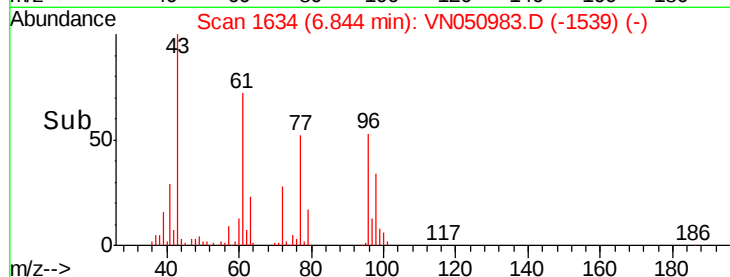
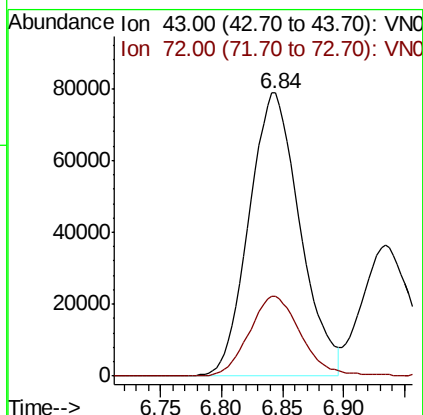
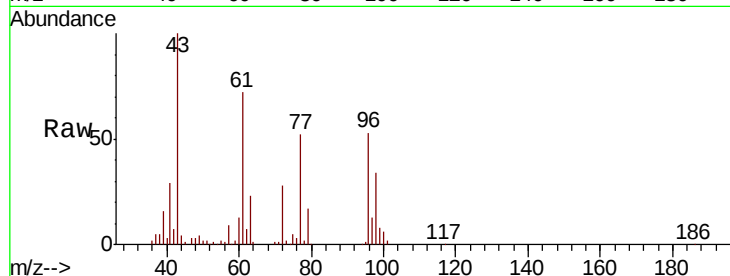




#25
2-Butanone
Concen: 91.36 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

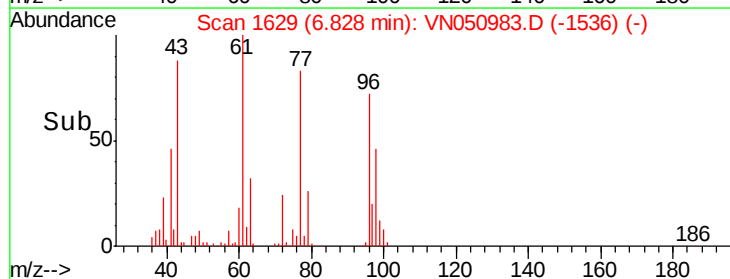
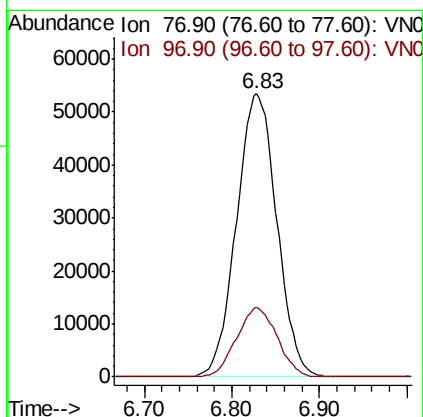
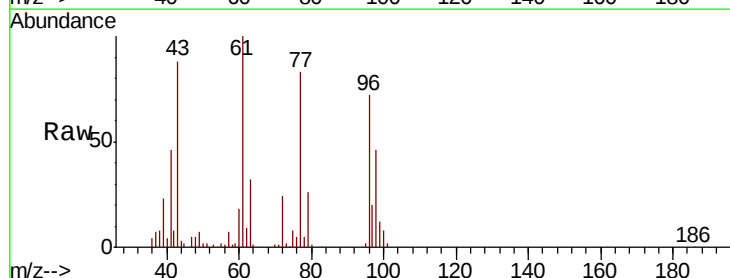
Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

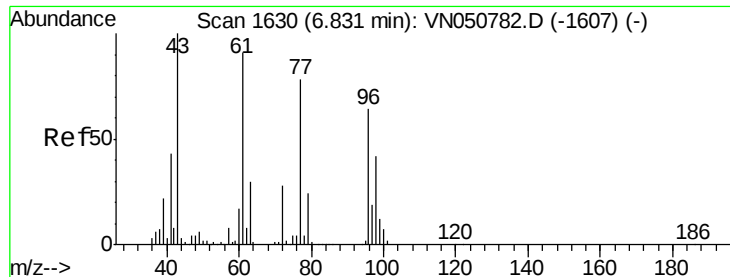
Tot Ion: 43 Resp: 227204
Ion Ratio Lower Upper
43 100
72 28.3 22.3 33.5



#26
2,2-Dichloropropane
Concen: 18.52 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 77 Resp: 170819
Ion Ratio Lower Upper
77 100
97 24.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 21.07 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

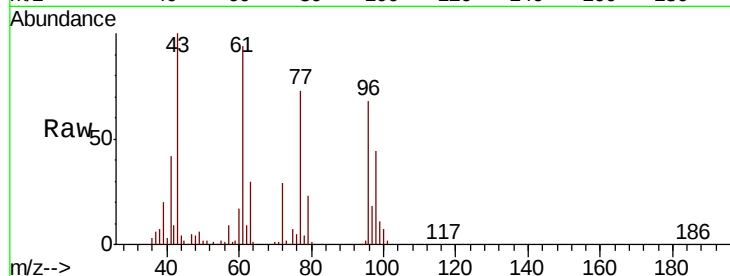
Tot Ion: 96 Resp: 141463

Ion Ratio Lower Upper

96 100

61 138.6 0.0 283.4

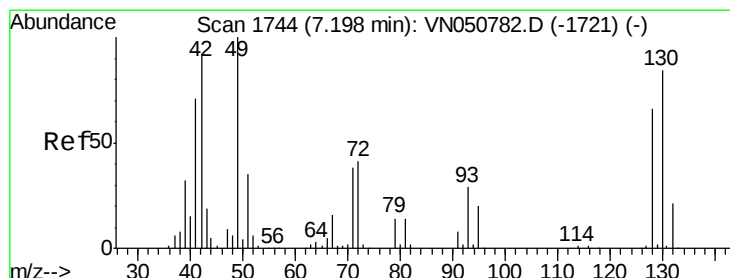
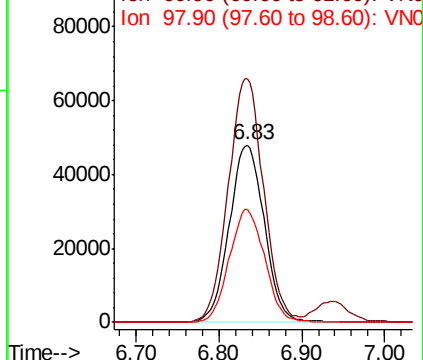
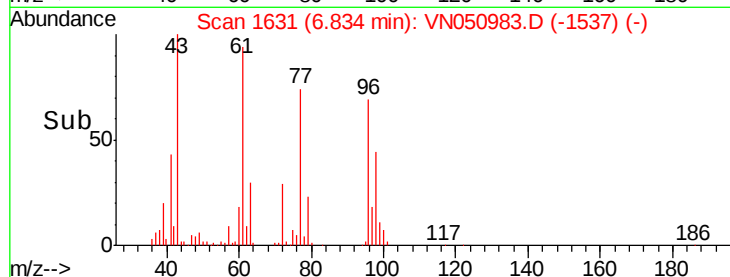
98 64.1 0.0 129.8



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: 21.56 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

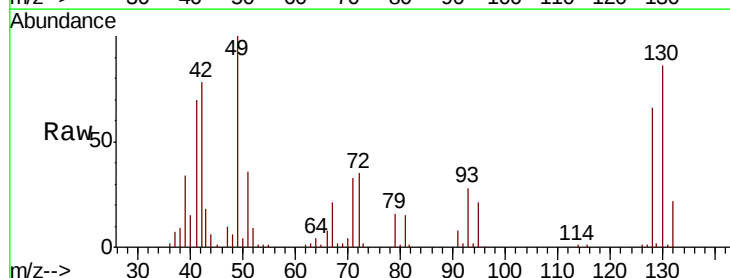
Tgt Ion: 49 Resp: 105157

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

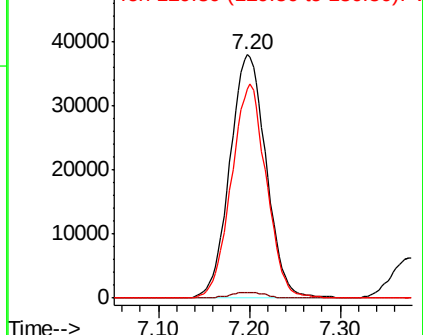
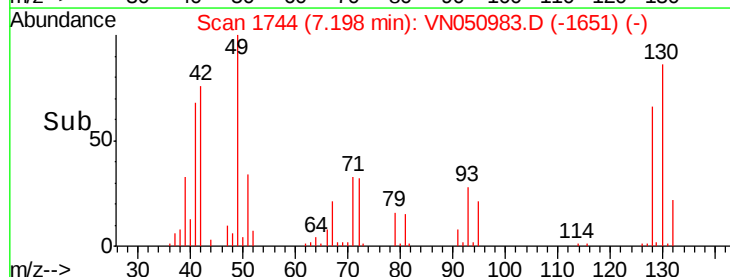
130 84.9 67.1 100.7

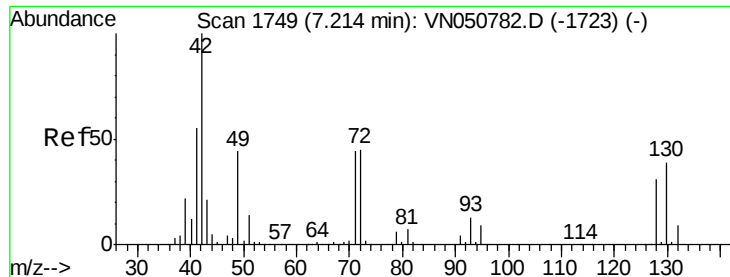


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.43 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

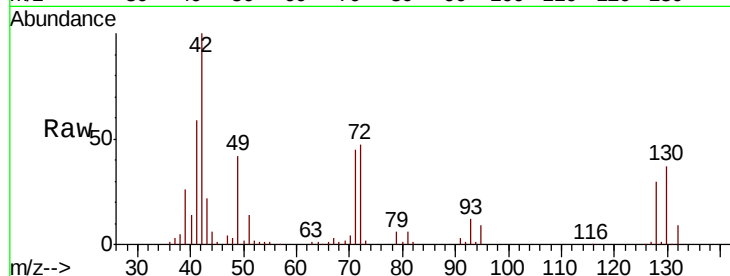
Tot Ion: 42 Resp: 156029

Ion Ratio Lower Upper

42 100

72 45.0 35.5 53.3

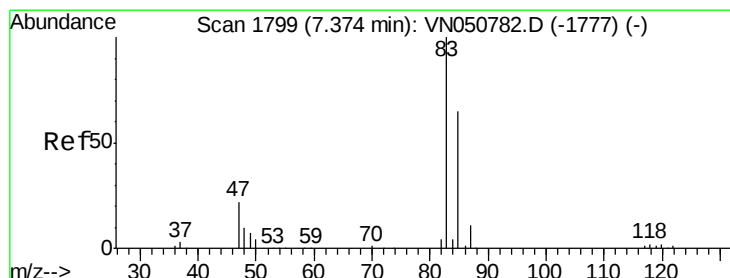
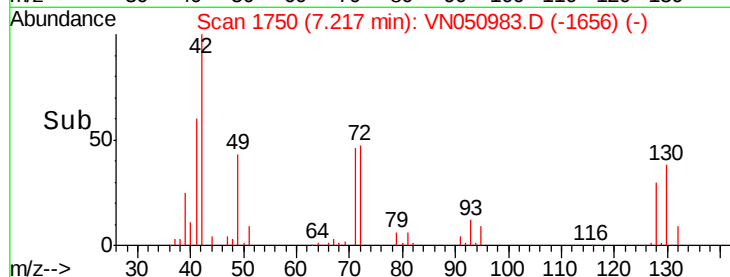
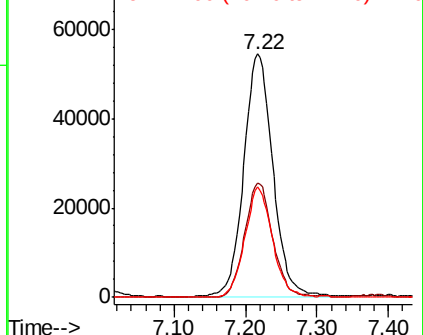
71 42.3 33.7 50.5



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: 21.08 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050983.D

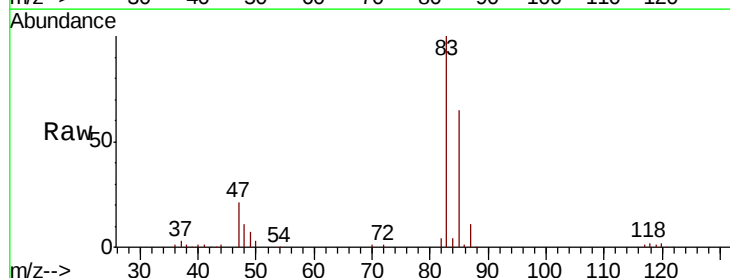
Acq: 31 Aug 2018 13:11

Tgt Ion: 83 Resp: 239647

Ion Ratio Lower Upper

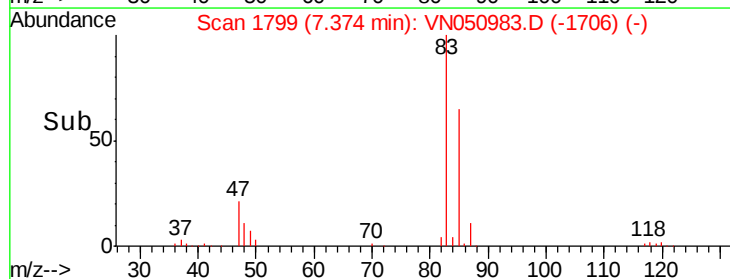
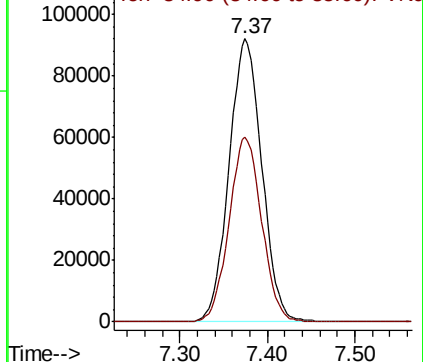
83 100

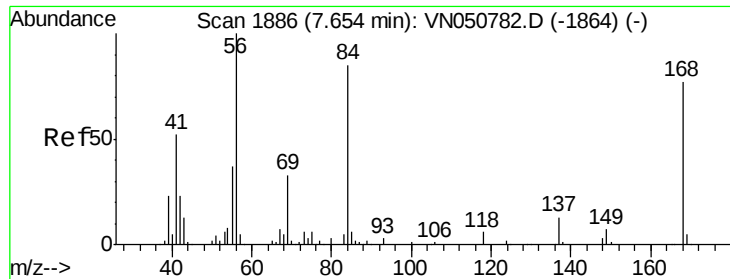
85 65.5 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

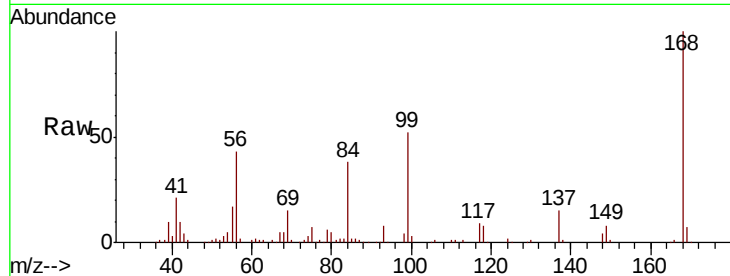




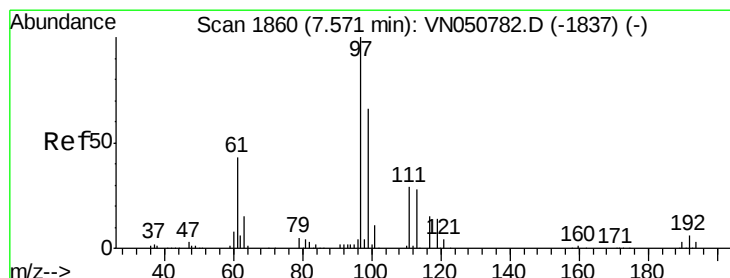
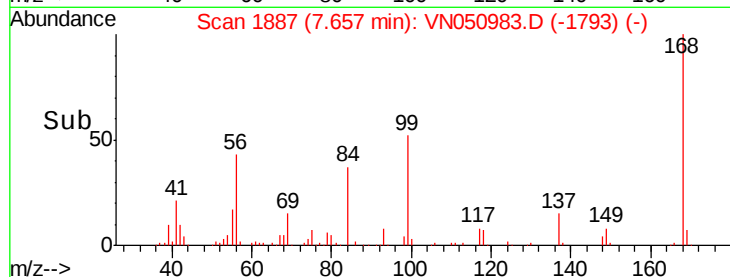
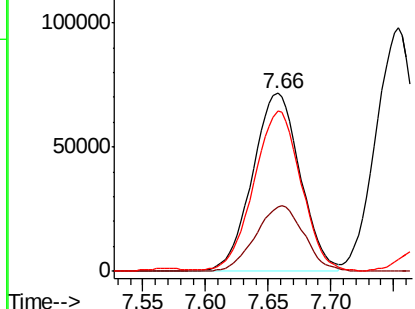
#31
Cyclohexane
Concen: 18.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	56	Resp	190389
Ion Ratio	56	100	
Lower	69	36.1	26.2
Upper	84	88.5	68.3

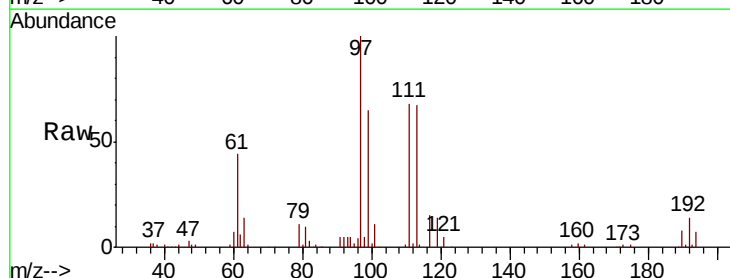


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

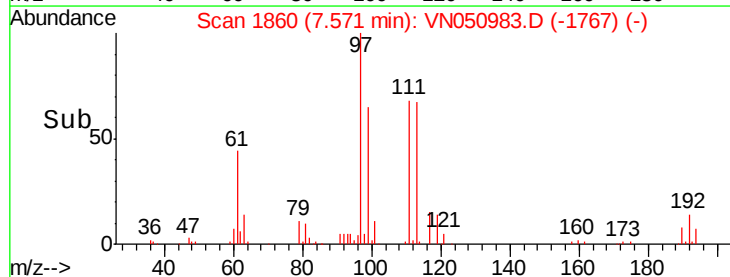
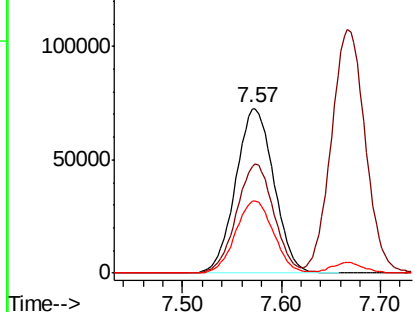


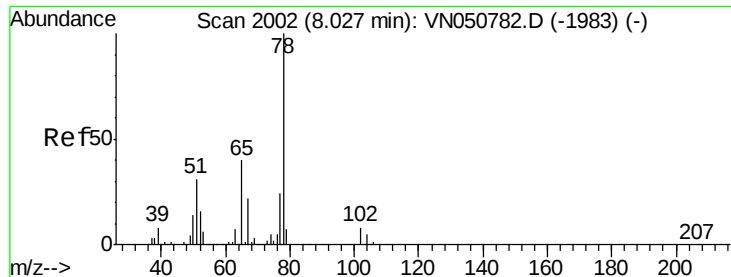
#32
1,1,1-Trichloroethane
Concen: 20.02 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	97	Resp	195437
Ion Ratio	97	100	
Lower	99	64.3	51.8
Upper	61	43.4	34.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

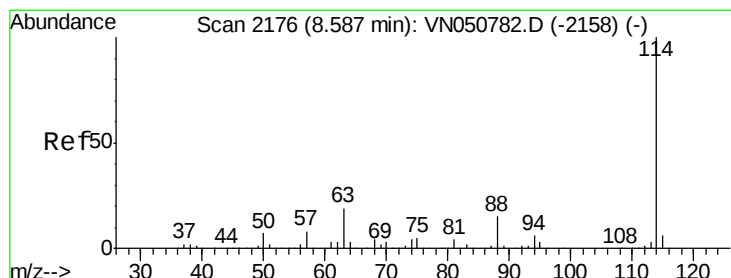
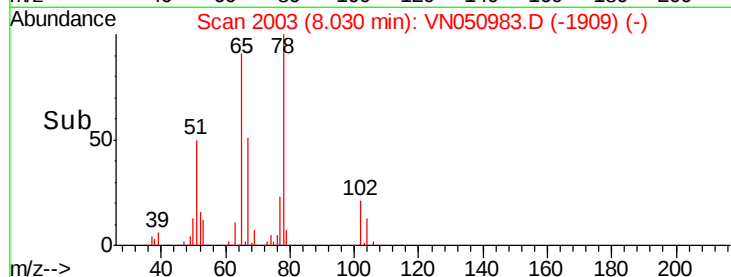
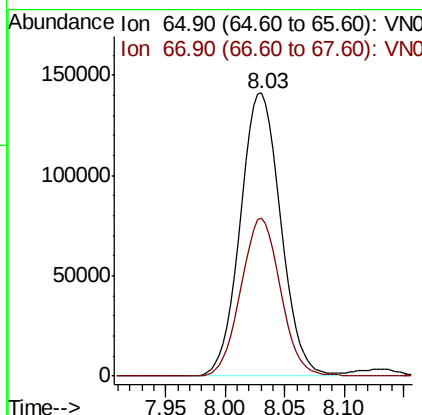
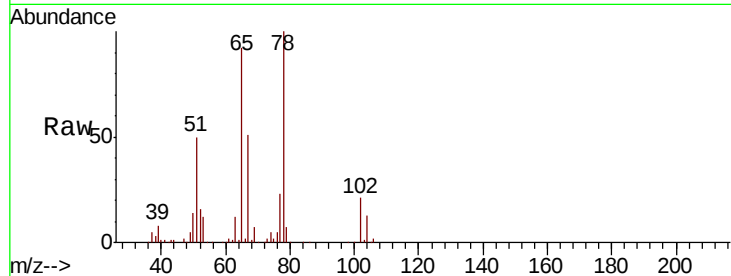




#33
 1,2-Dichloroethane-d4
 Concen: 53.95 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

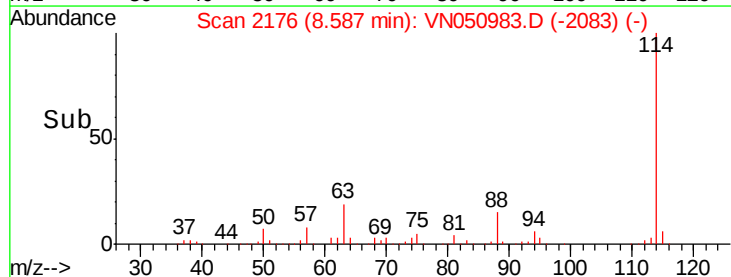
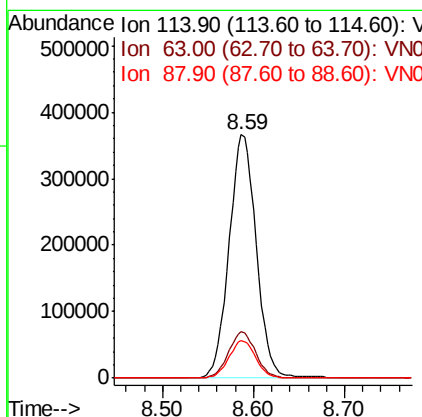
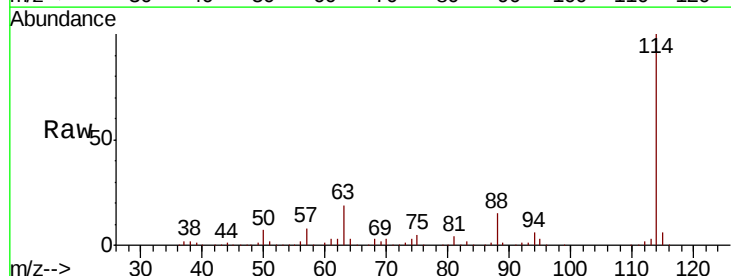
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

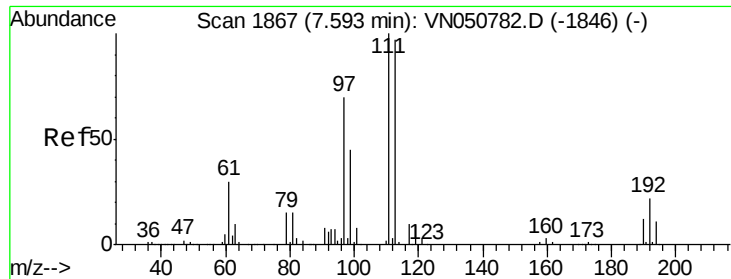
Tot Ion: 65 Resp: 332907
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 114 Resp: 759066
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.82 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

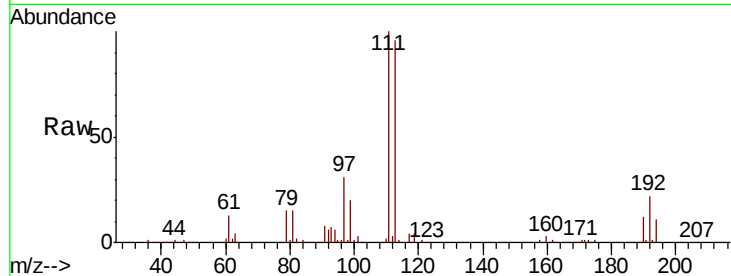
Tot Ion:113 Resp: 312960

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

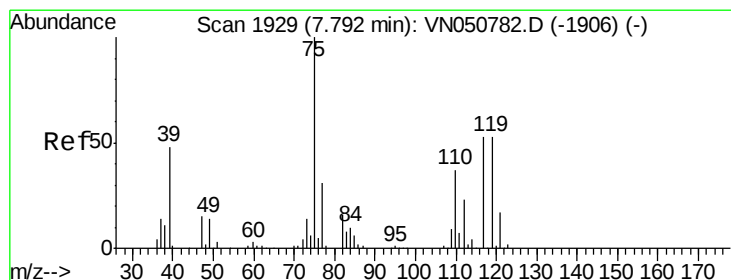
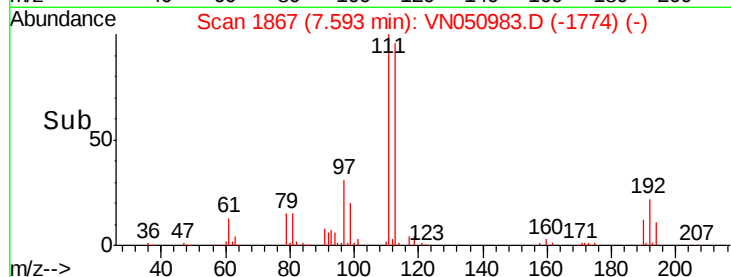
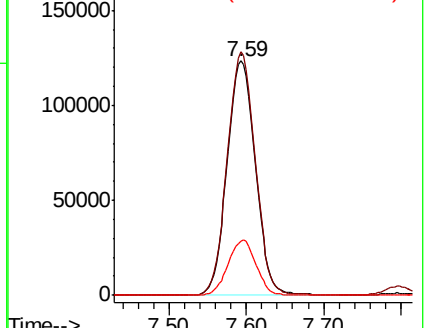
192 23.2 18.0 27.0



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: 18.55 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

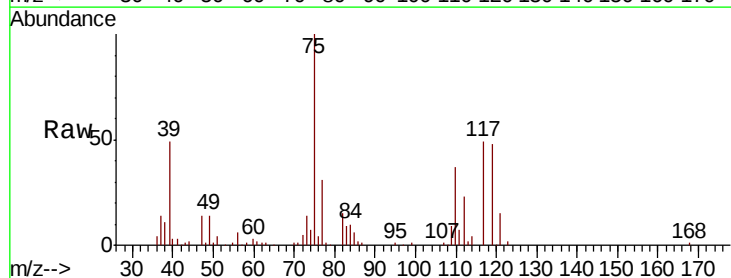
Tgt Ion: 75 Resp: 166158

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

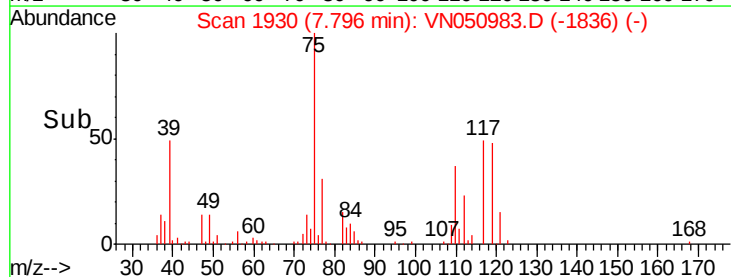
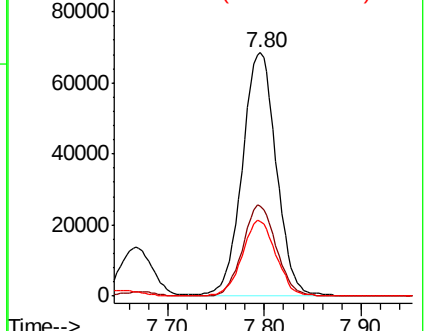
77 31.2 24.8 37.2

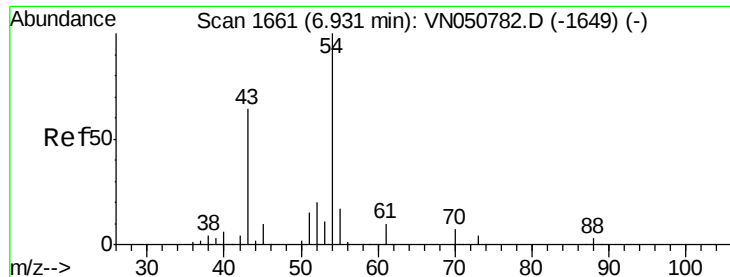


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

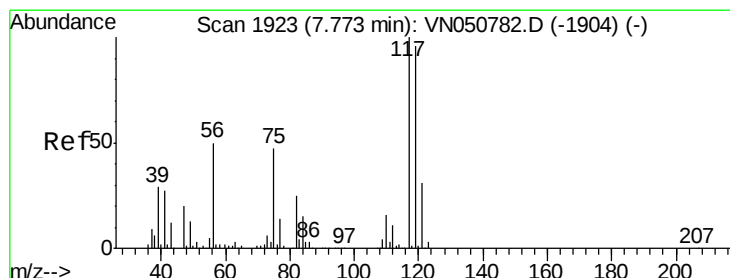
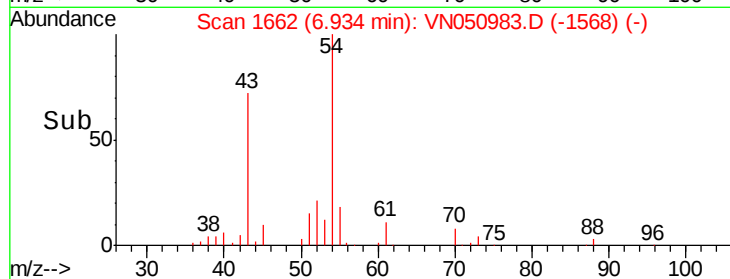
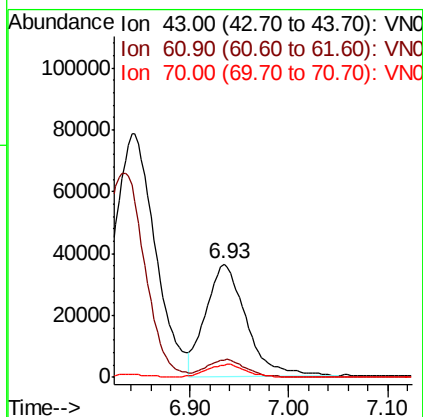
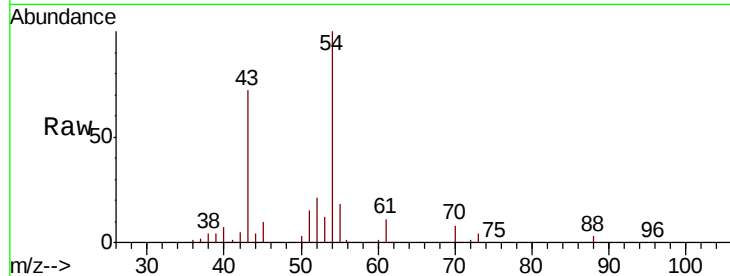




#37
Ethyl Acetate
Concen: 20.12 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

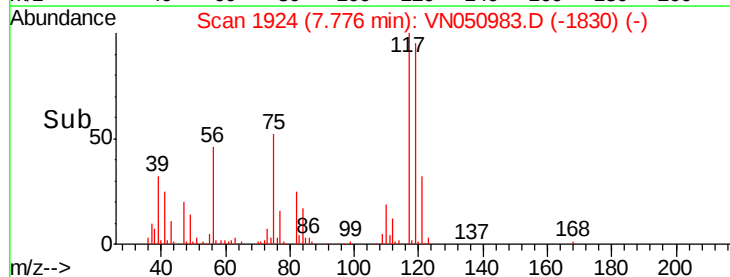
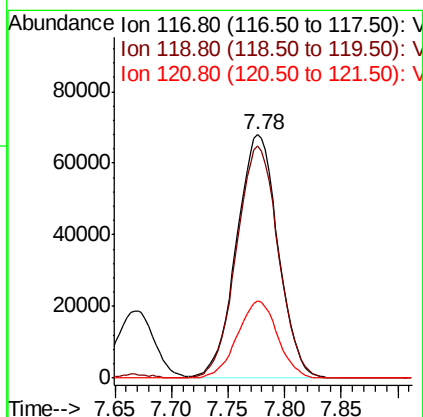
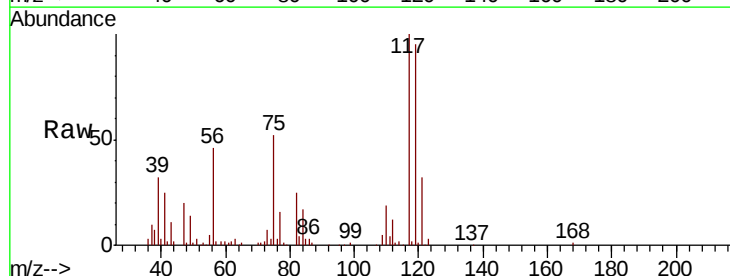
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

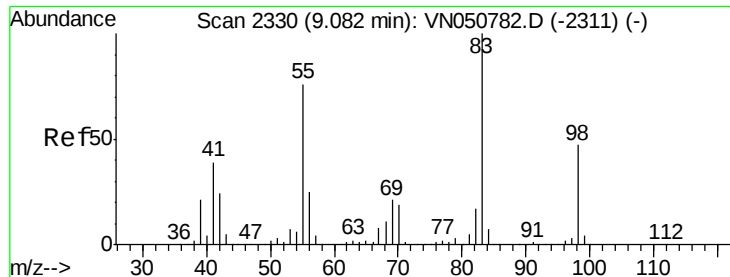
Tot Ion: 43 Resp: 103513
Ion Ratio Lower Upper
43 100
61 16.2 12.0 18.0
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 117 Resp: 173784
Ion Ratio Lower Upper
117 100
119 95.3 76.3 114.5
121 31.8 24.6 36.8

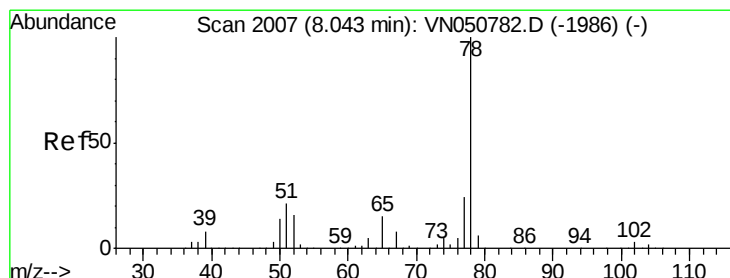
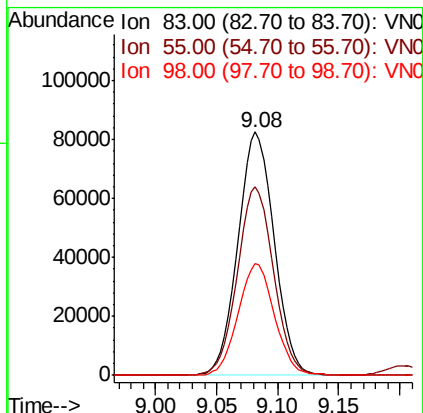
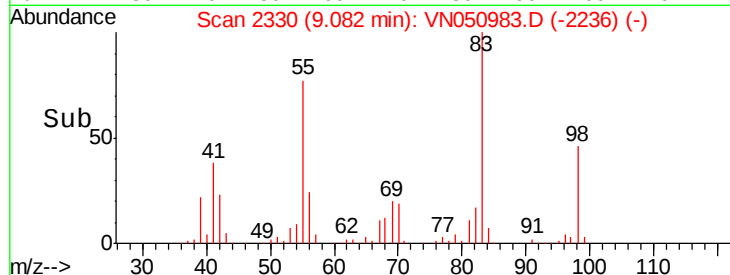
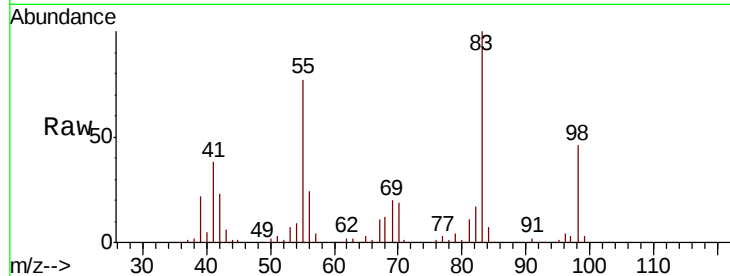




#39
Methvlcvclohexane
Concen: 17.52 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

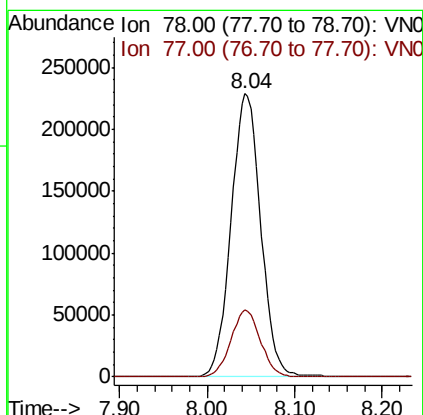
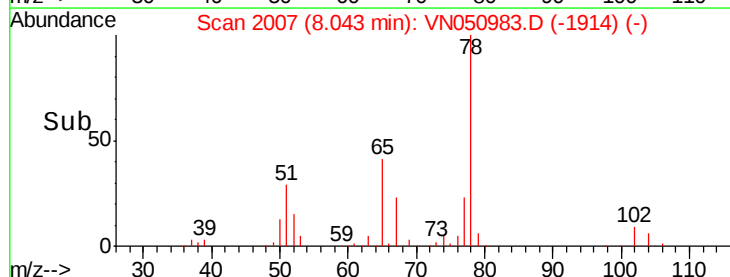
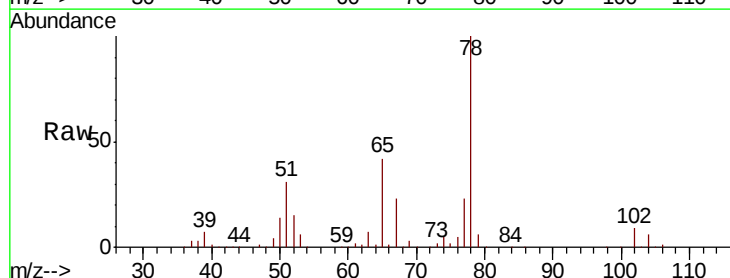
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

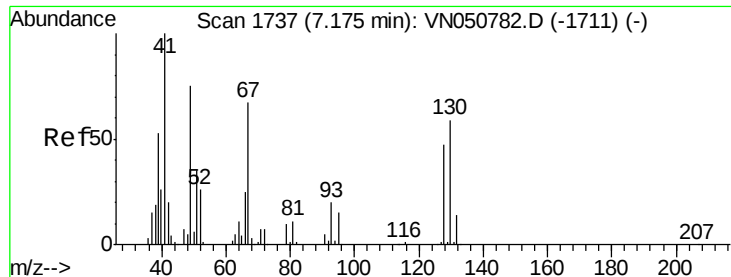
Tot Ion: 83 Resp: 169739
Ion Ratio Lower Upper
83 100
55 77.2 61.0 91.4
98 45.7 37.5 56.3



#40
Benzene
Concen: 19.95 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 78 Resp: 538967
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

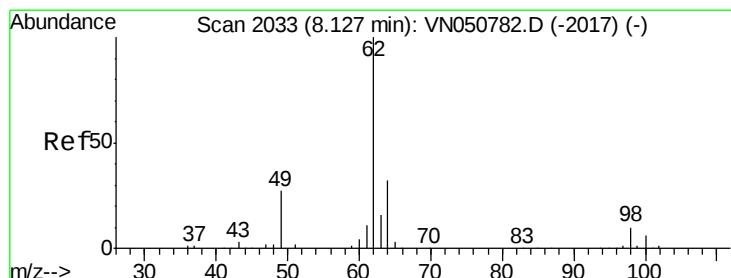
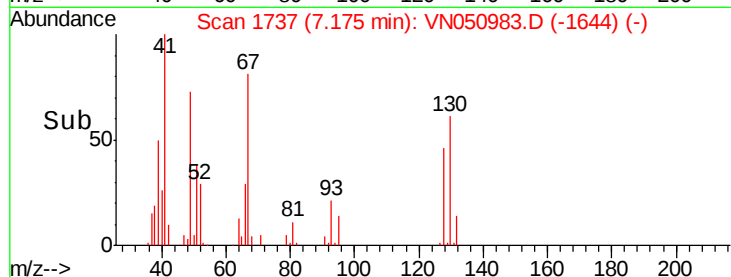
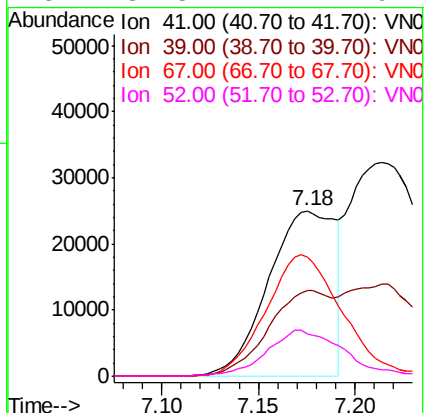
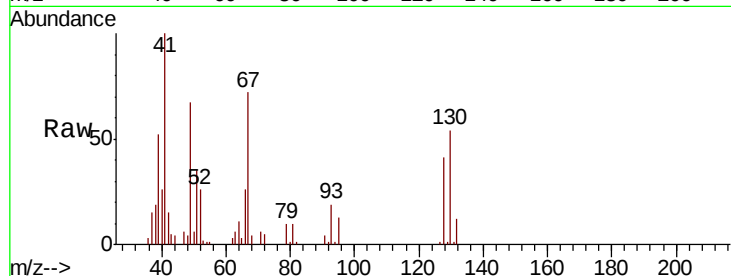




#41
Methacrylonitrile
Concen: 21.67 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

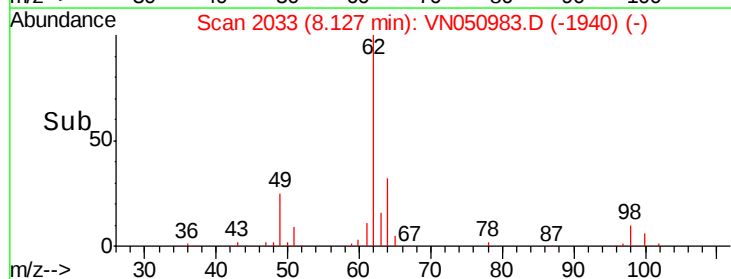
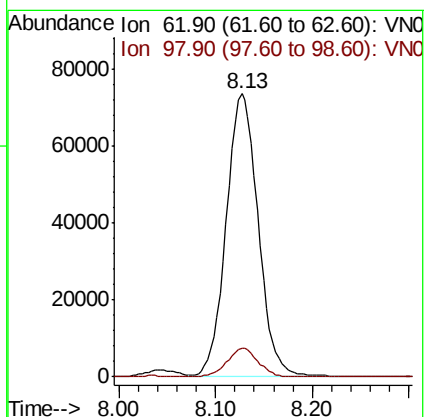
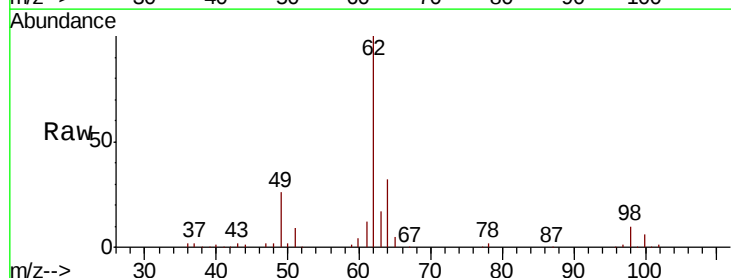
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

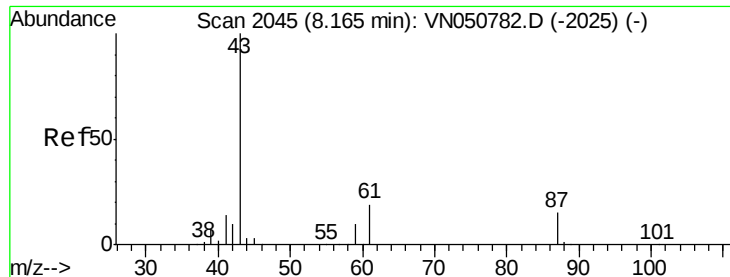
Tot Ion:	41	Resp:	60329
Ion	Ratio	Lower	Upper
41	100		
39	47.4	45.4	68.0
67	83.8	70.6	106.0
52	31.8	27.1	40.7



#42
1,2-Dichloroethane
Concen: 20.92 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion:	62	Resp:	168971
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.76 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

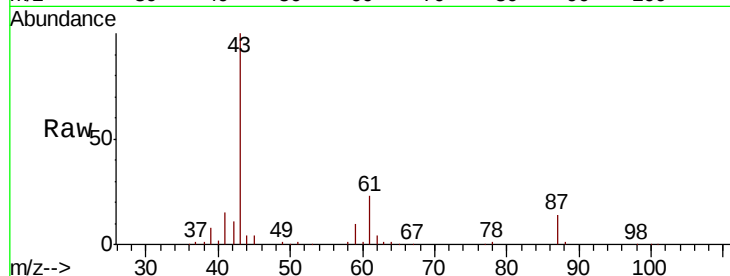
Tot Ion: 43 Resp: 183618

Ion Ratio Lower Upper

43 100

61 23.1 17.5 26.3

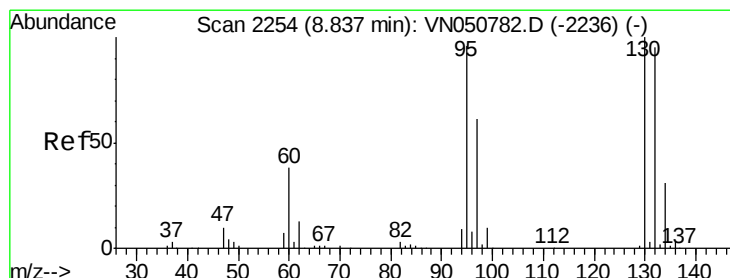
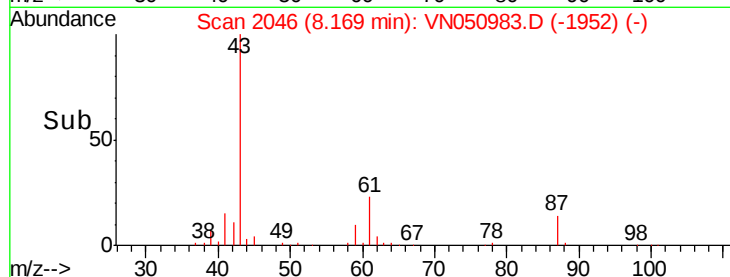
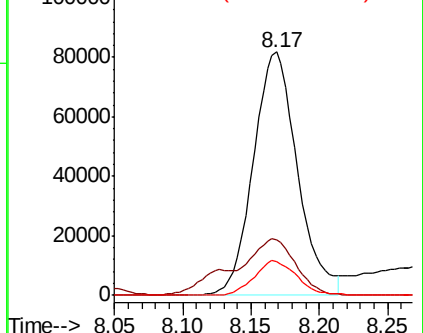
87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)



#44

Trichloroethene

Concen: 19.62 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050983.D

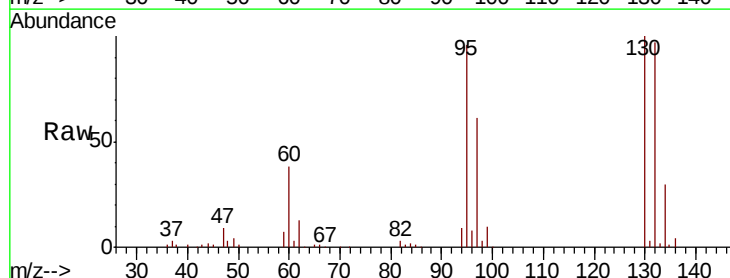
Acq: 31 Aug 2018 13:11

Tgt Ion:130 Resp: 139773

Ion Ratio Lower Upper

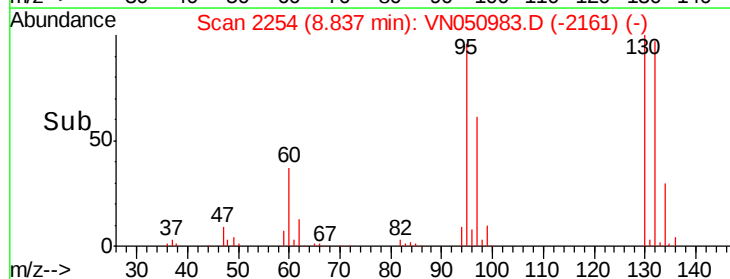
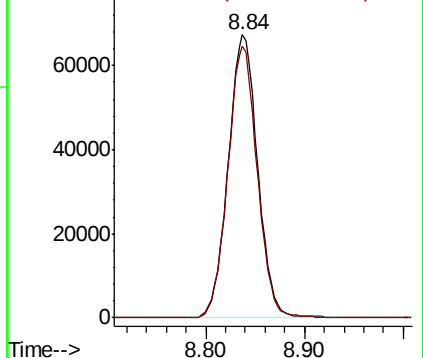
130 100

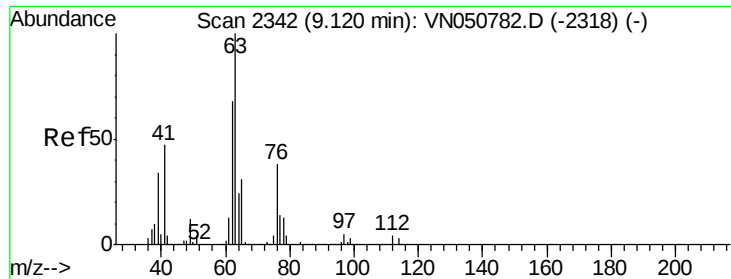
95 96.3 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 20.32 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

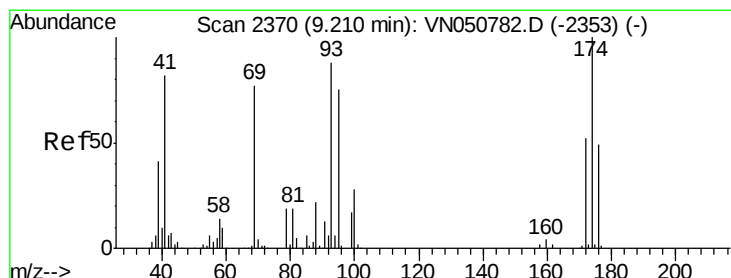
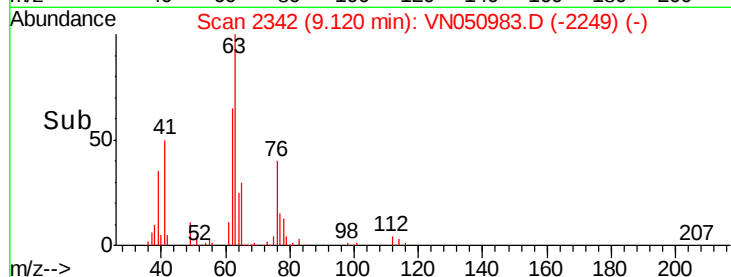
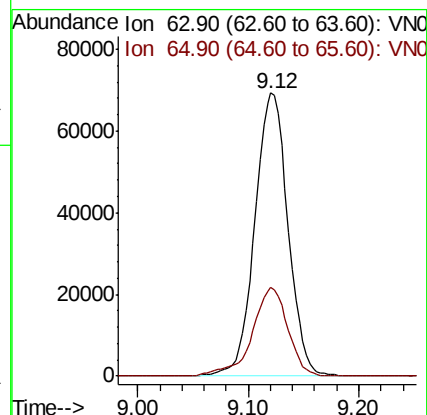
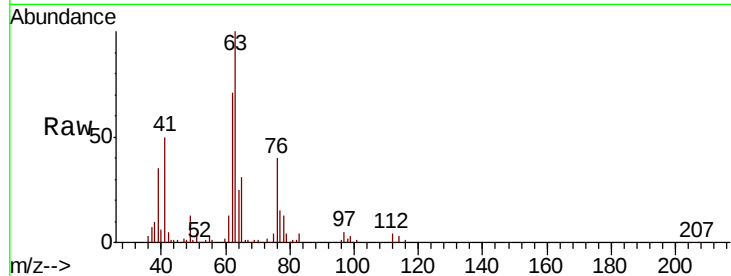
VN0831MBS01

Tot Ion: 63 Resp: 144231

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.6



#46

Dibromomethane

Concen: 20.72 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

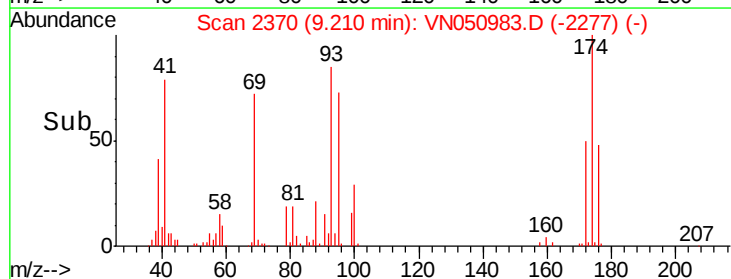
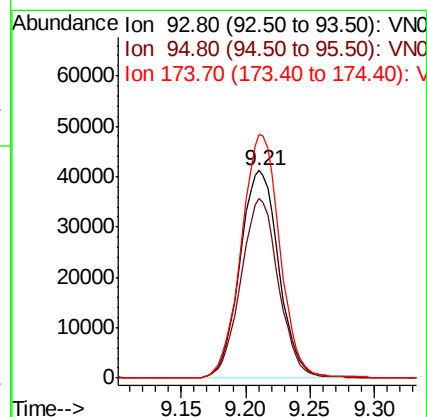
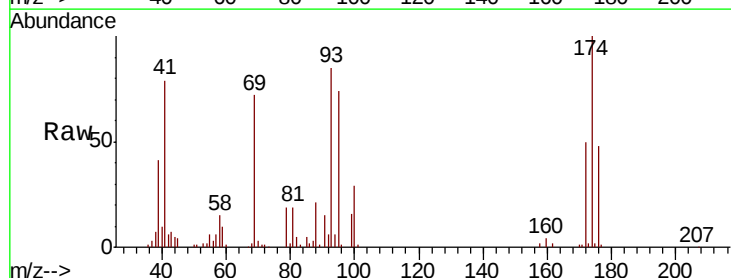
Tgt Ion: 93 Resp: 86433

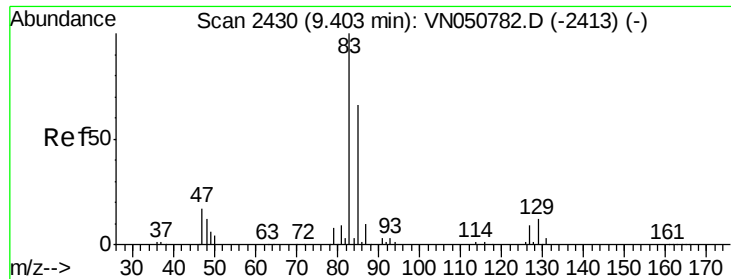
Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 116.6 89.8 134.6

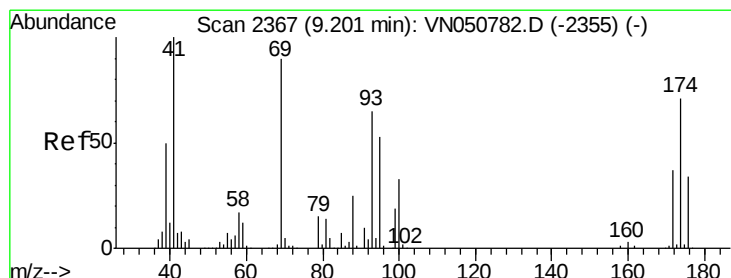
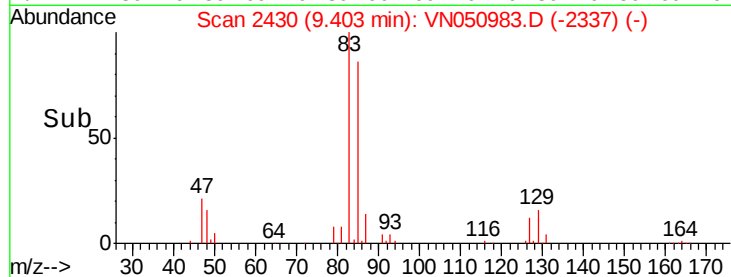
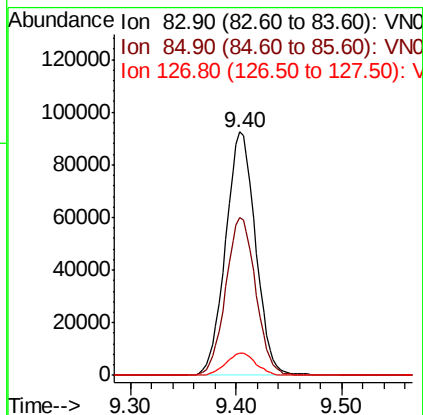
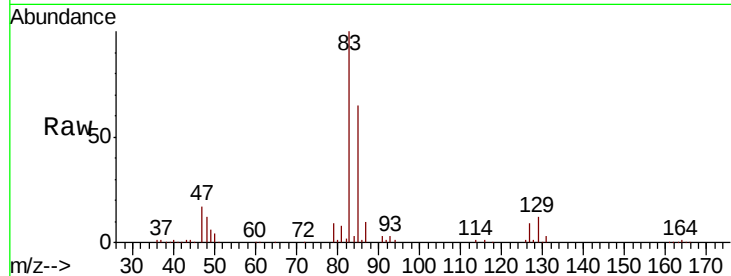




#47
 Bromodichloromethane
 Concen: 20.83 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

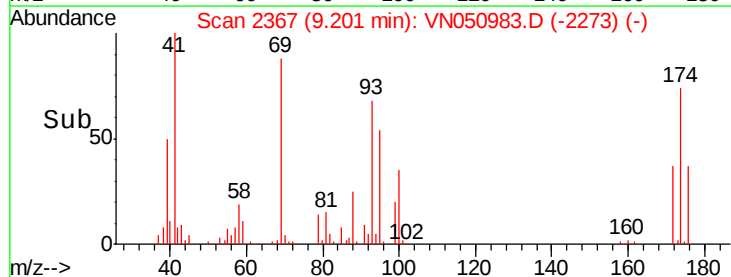
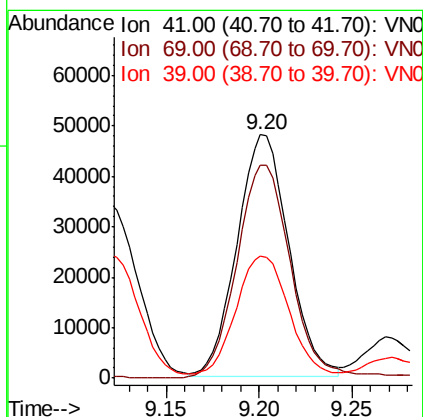
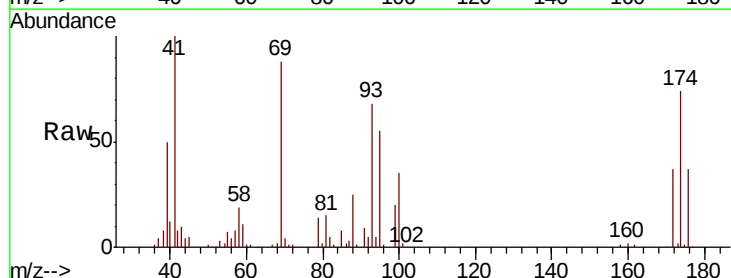
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

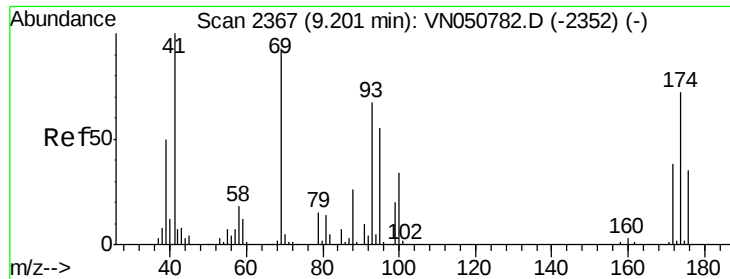
Tot Ion: 83 Resp: 181974
 Ion Ratio Lower Upper
 83 100
 85 64.9 52.6 78.8
 127 9.1 7.2 10.8



#48
 Methyl methacrylate
 Concen: 20.63 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 41 Resp: 92993
 Ion Ratio Lower Upper
 41 100
 69 92.4 74.7 112.1
 39 52.0 42.2 63.2





#49

1,4-Dioxane

Concen: 414.91 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

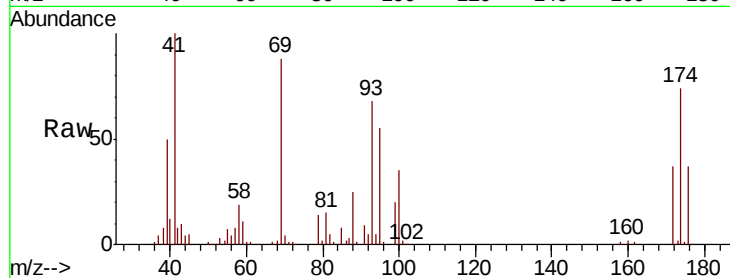
Tot Ion: 88 Resp: 25502

Ion Ratio Lower Upper

88 100

43 33.5 25.9 38.9

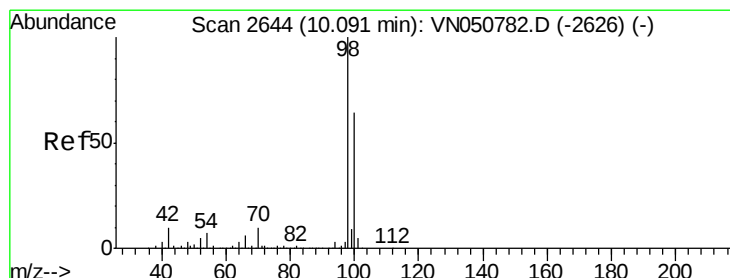
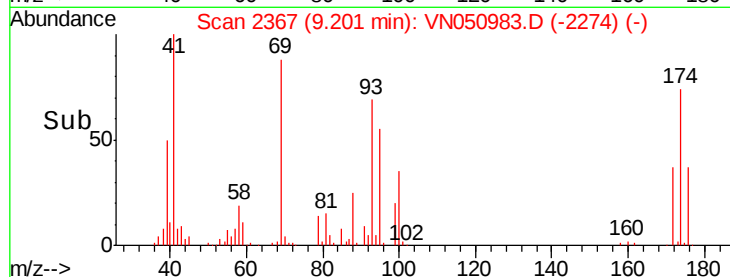
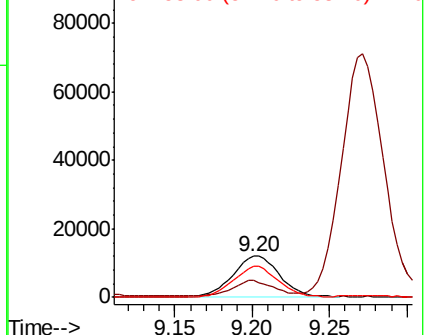
58 70.9 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.10 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050983.D

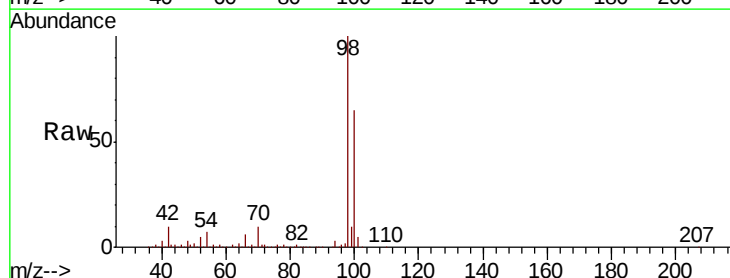
Acq: 31 Aug 2018 13:11

Tgt Ion: 98 Resp: 1131172

Ion Ratio Lower Upper

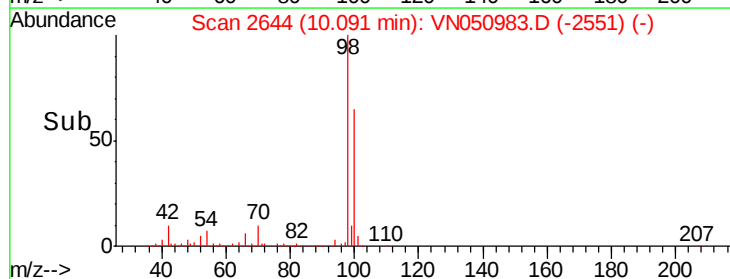
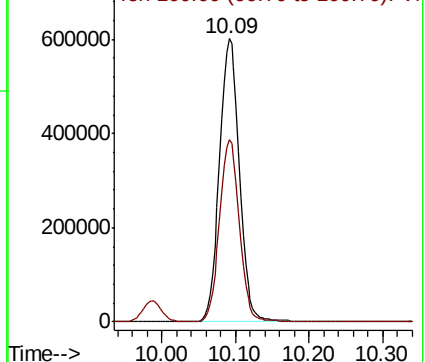
98 100

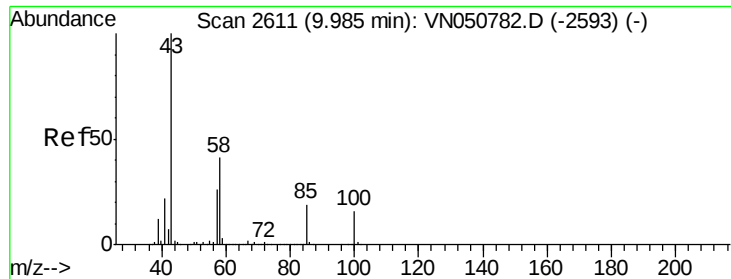
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

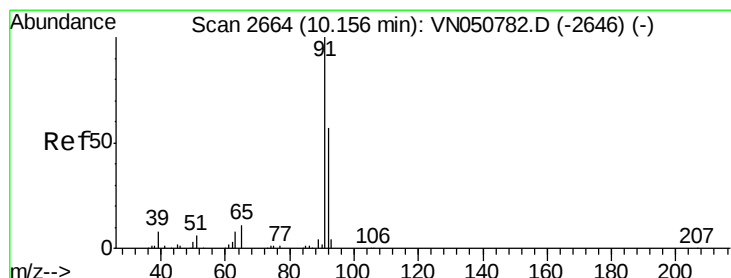
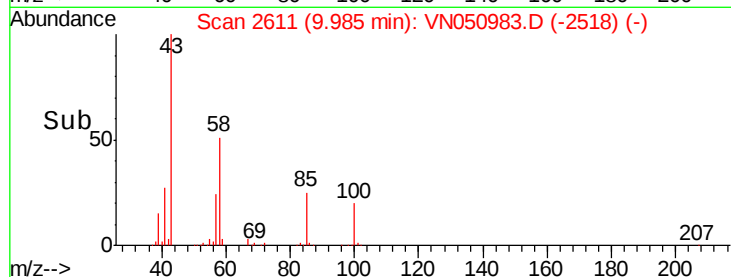
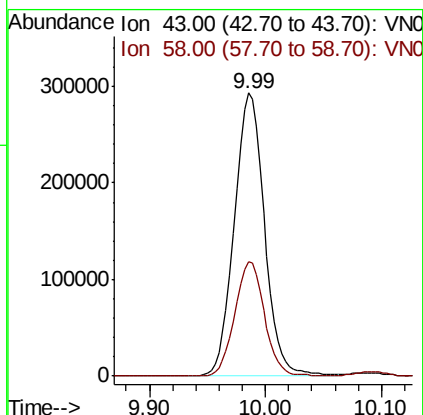
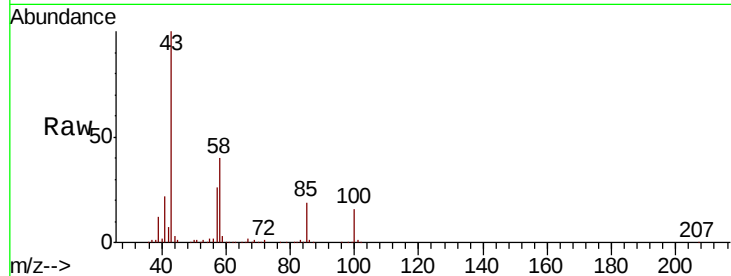




#51
 4-Methyl-2-Pentanone
 Concen: 99.86 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

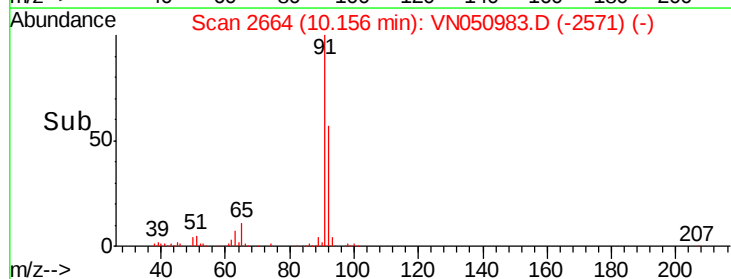
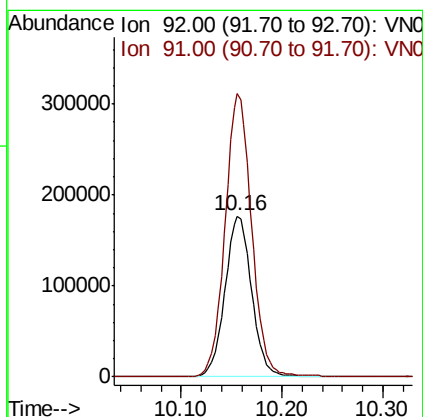
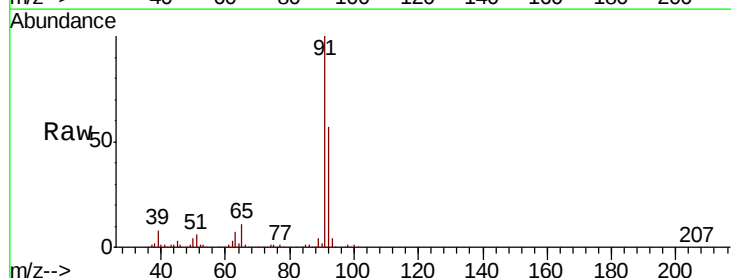
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

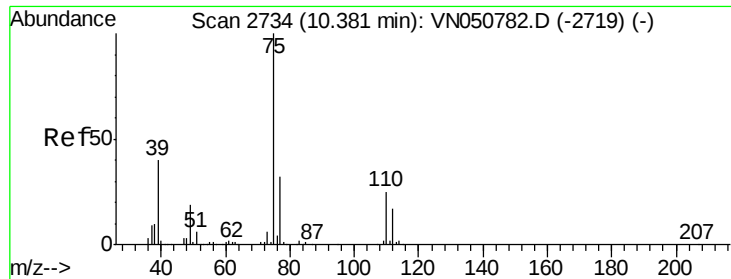
Tot Ion: 43 Resp: 527214
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.4 48.6



#52
 Toluene
 Concen: 20.39 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 92 Resp: 326313
 Ion Ratio Lower Upper
 92 100
 91 175.5 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

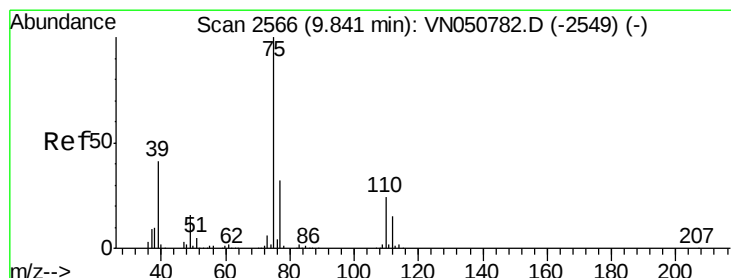
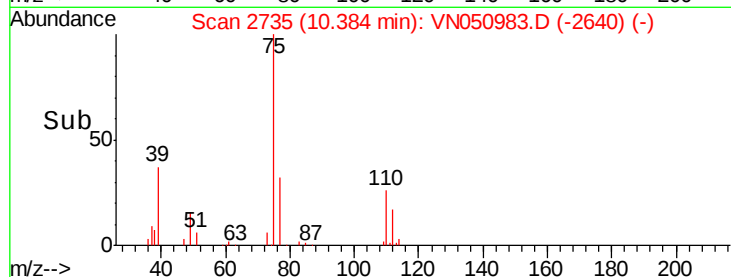
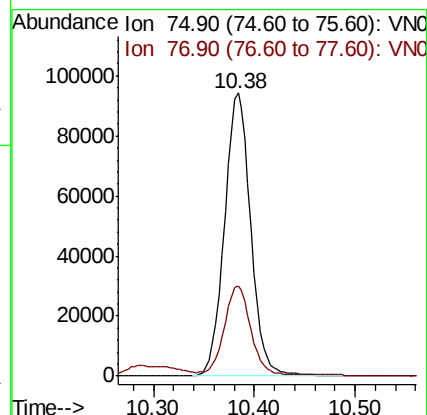
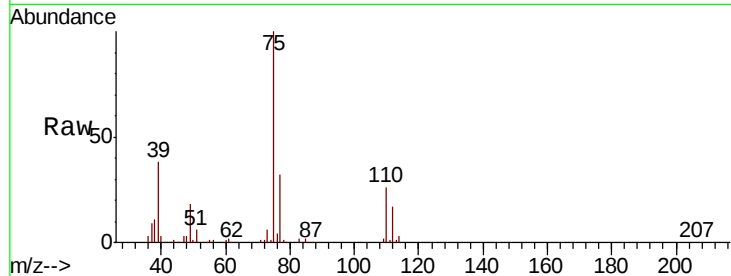
VN0831MBS01

Tot Ion: 75 Resp: 171188

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.57 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

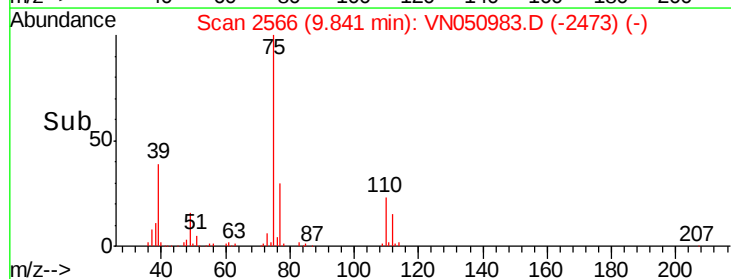
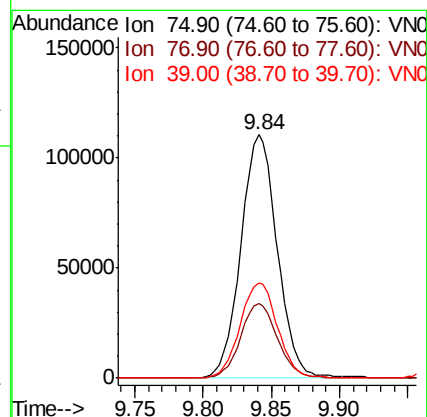
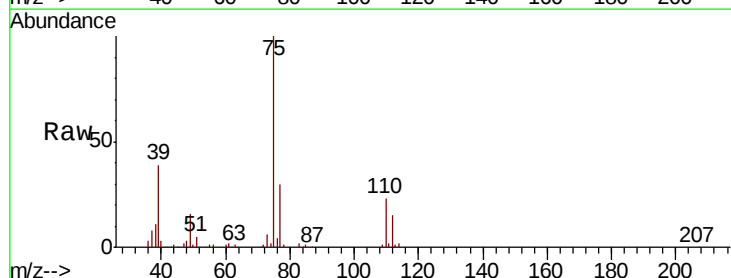
Tgt Ion: 75 Resp: 204878

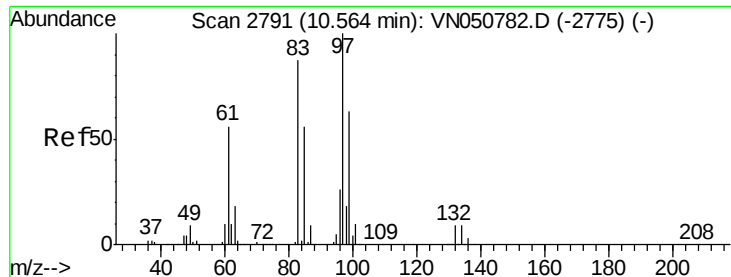
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2

39 39.1 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 21.11 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 97 Resp: 125340

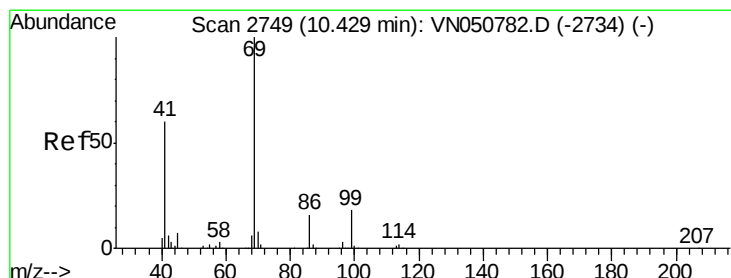
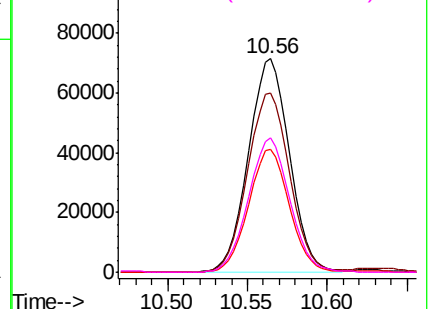
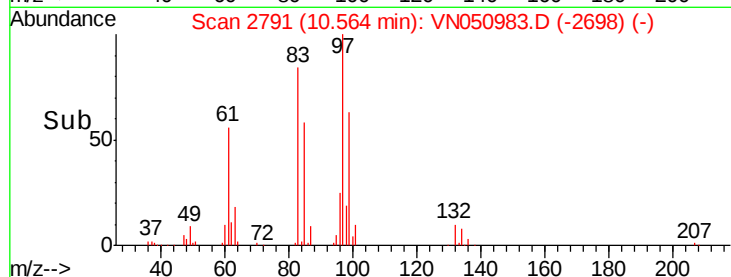
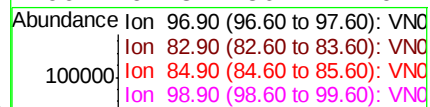
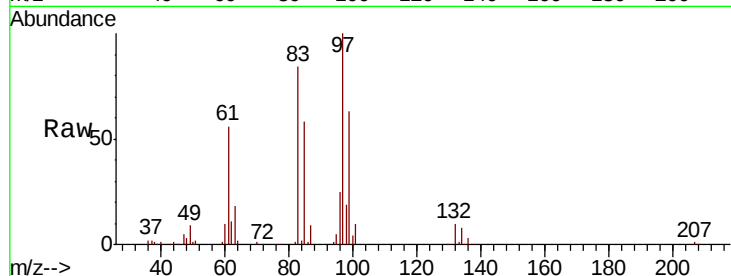
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.7	104.5
85	57.6	44.5	66.7
99	62.8	50.7	76.1

97 100

83 84.1 69.7 104.5

85 57.6 44.5 66.7

99 62.8 50.7 76.1



#56

Ethyl methacrylate

Concen: 19.47 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

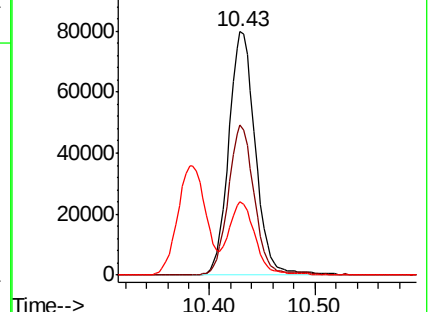
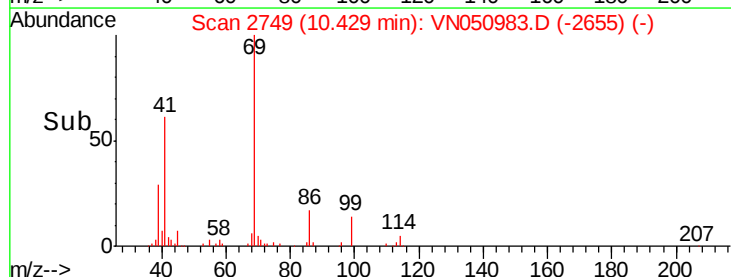
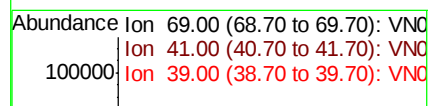
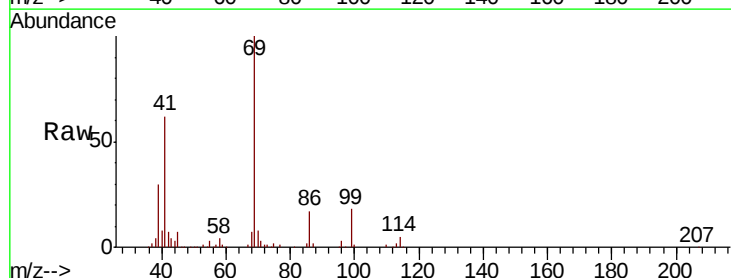
Tgt Ion: 69 Resp: 138812

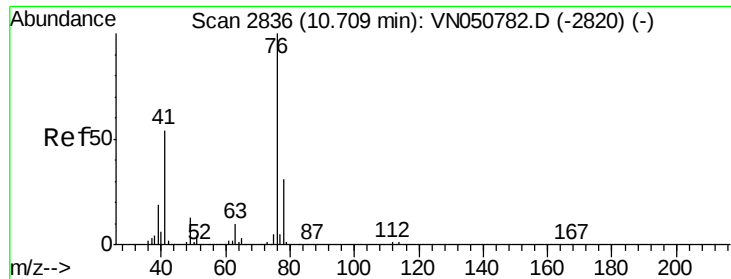
Ion	Ratio	Lower	Upper
69	100		
41	59.4	48.3	72.5
39	29.2	24.0	36.0

69 100

41 59.4 48.3 72.5

39 29.2 24.0 36.0

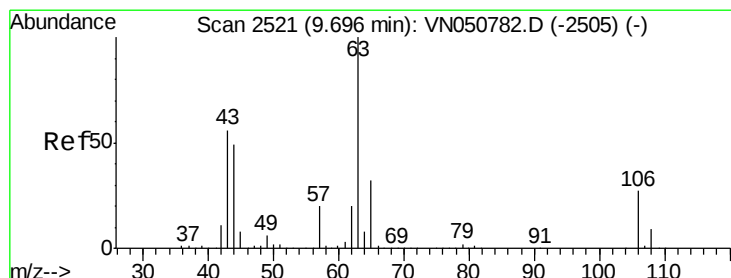
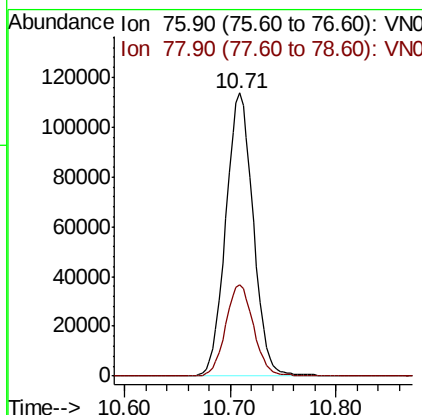
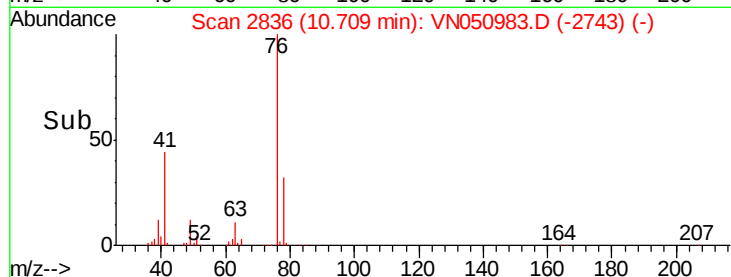
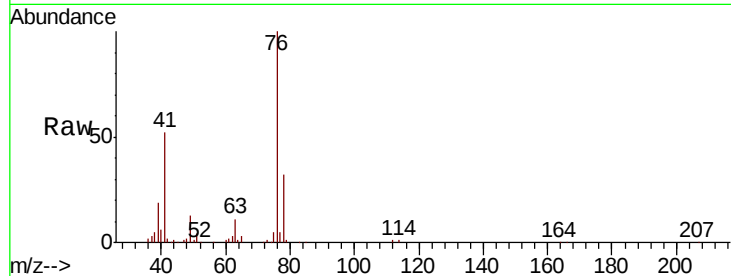




#57
 1,3-Dichloropropane
 Concen: 20.81 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

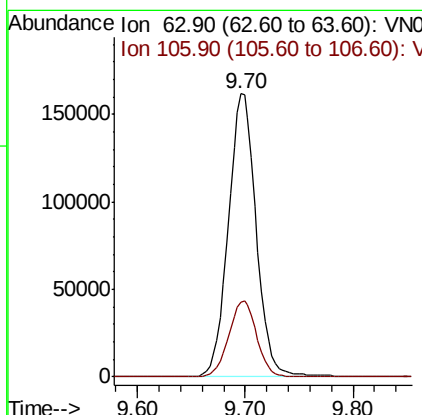
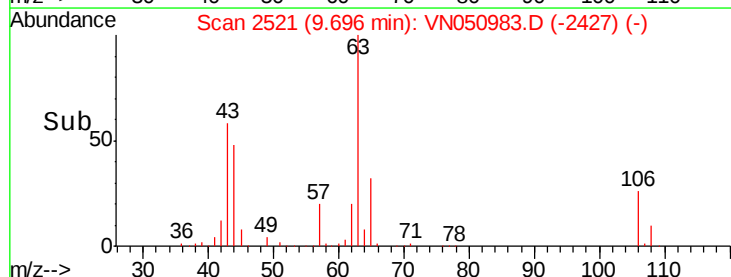
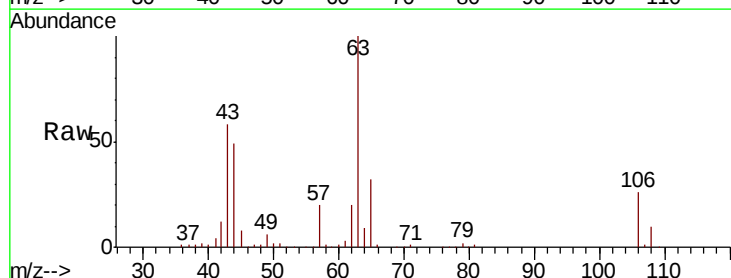
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

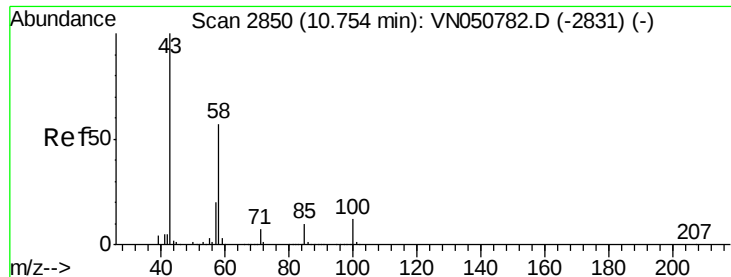
Tot Ion: 76 Resp: 203994
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.47 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion: 63 Resp: 291525
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.9 32.9

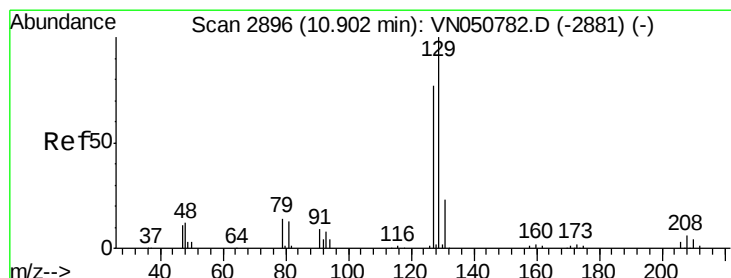
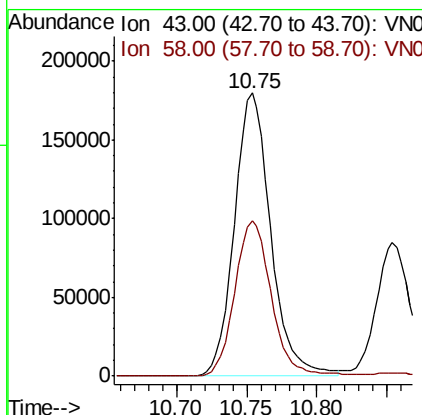
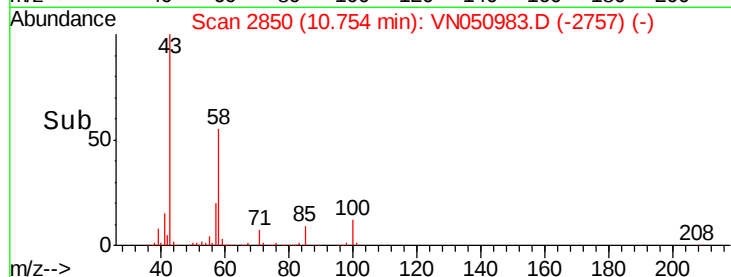
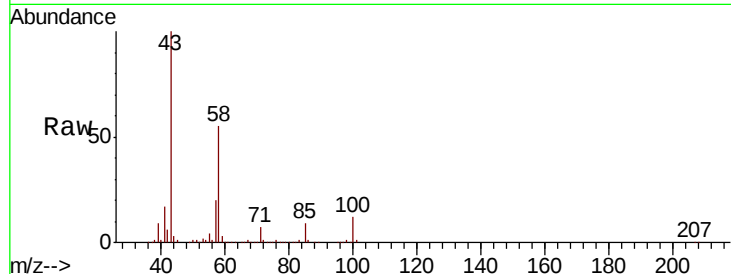




#59
2-Hexanone
Concen: 91.83 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

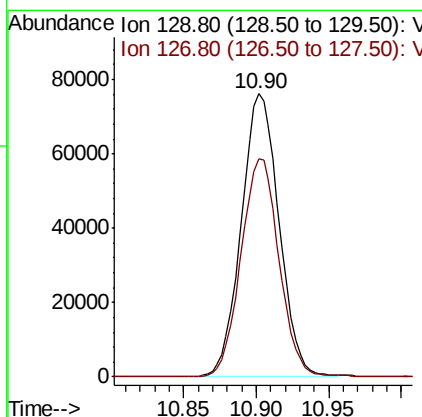
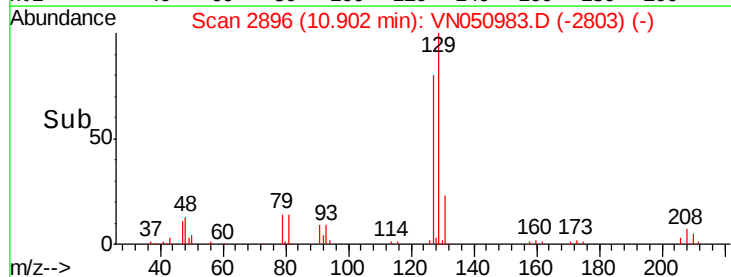
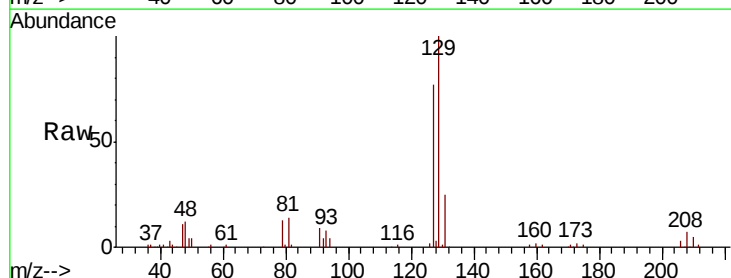
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

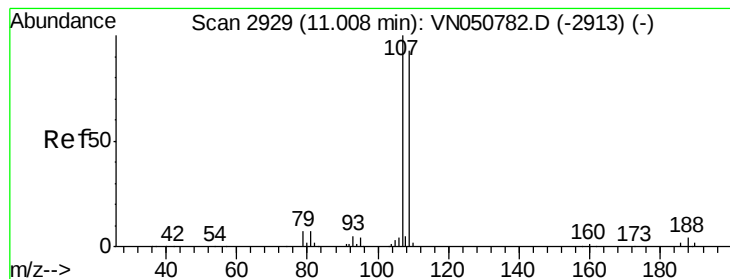
Tot Ion: 43 Resp: 322728
Ion Ratio Lower Upper
43 100
58 55.9 28.3 85.0



#60
Dibromochloromethane
Concen: 20.79 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 129 Resp: 138265
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.83 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

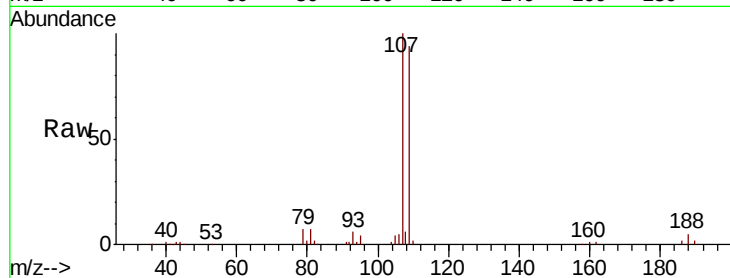
VN0831MBS01

Tot Ion: 107 Resp: 119646

Ion Ratio Lower Upper

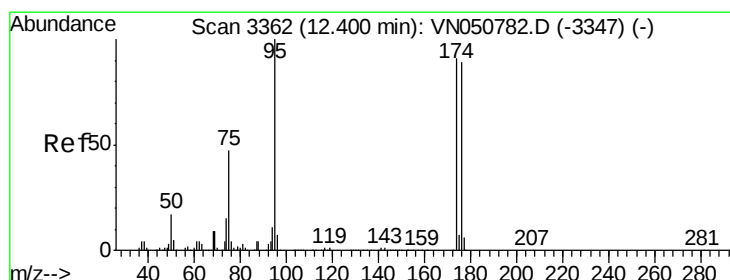
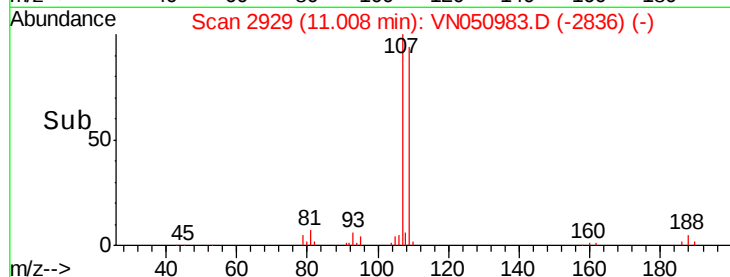
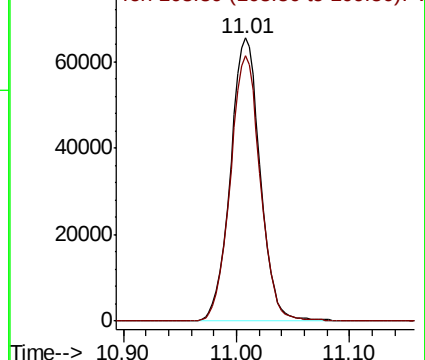
107 100

109 94.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

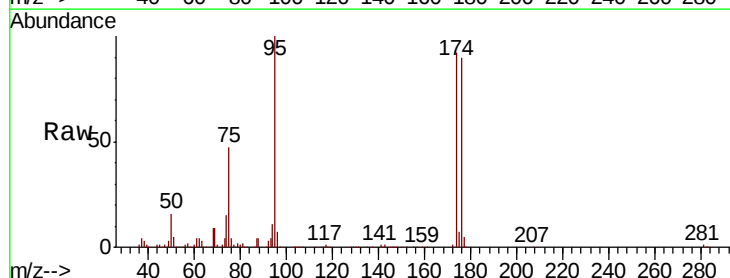
Tgt Ion: 95 Resp: 361151

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

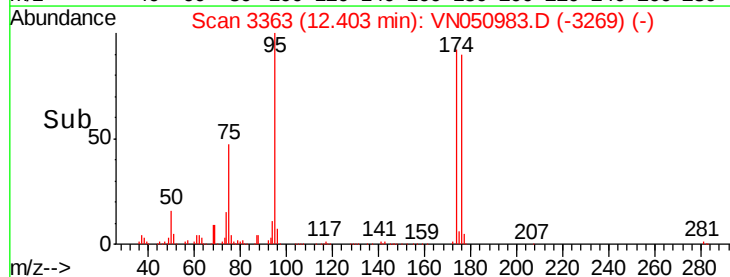
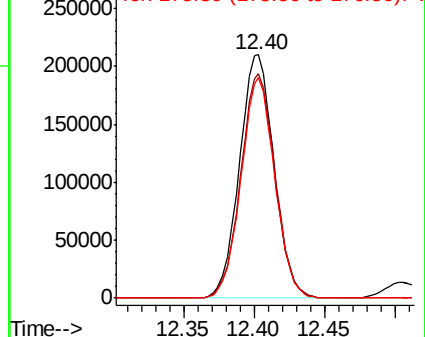
176 88.2 0.0 178.8

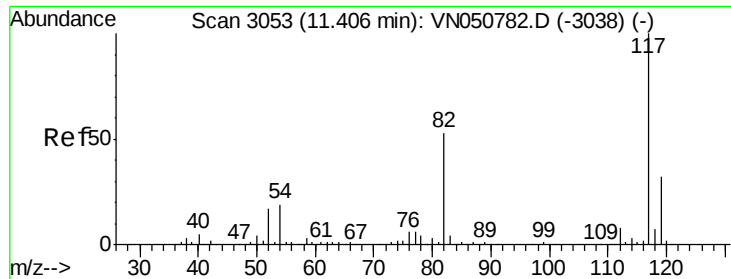


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

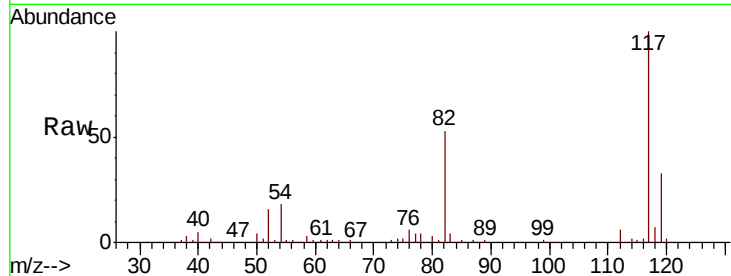




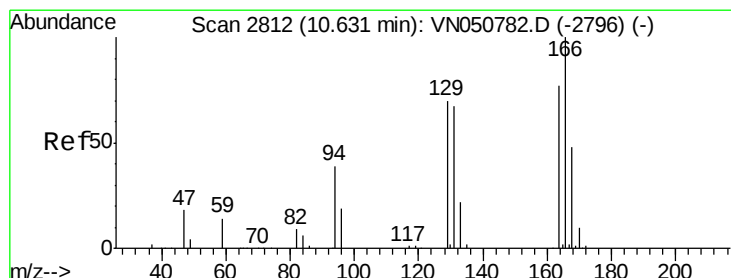
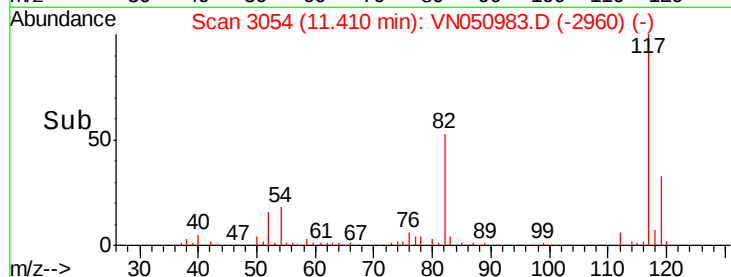
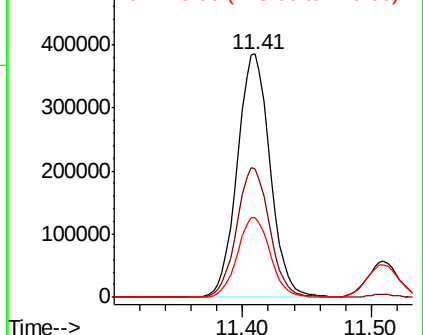
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion:117 Resp: 682276
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 33.0 25.8 38.6

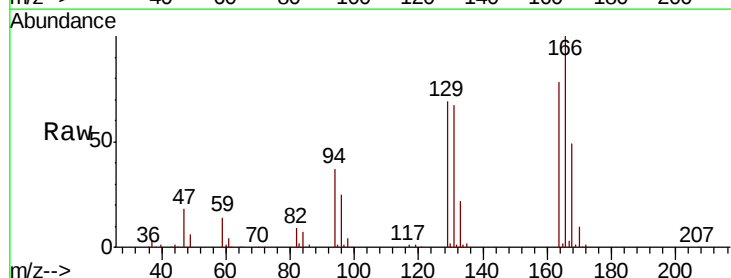


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

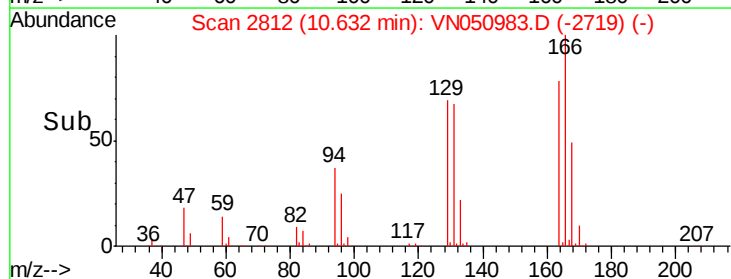
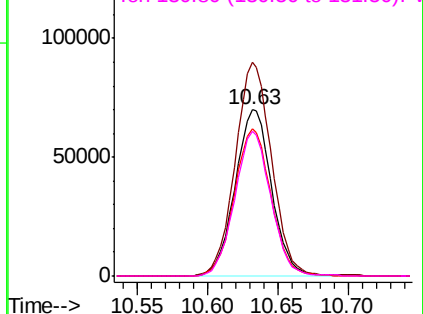


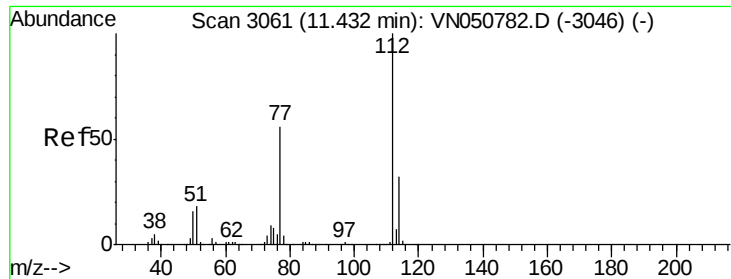
#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion:164 Resp: 126663
Ion Ratio Lower Upper
164 100
166 128.8 103.5 155.3
129 88.4 72.7 109.1
131 86.8 69.5 104.3



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

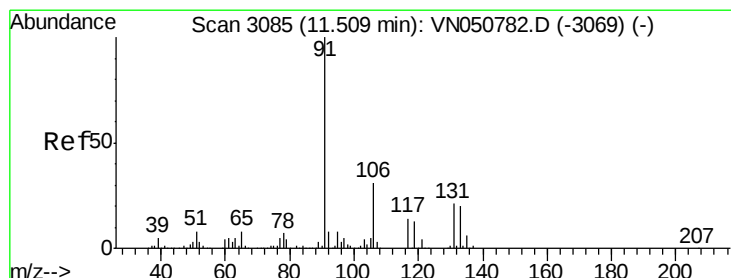
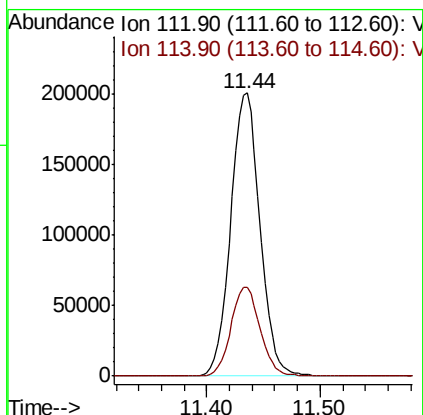
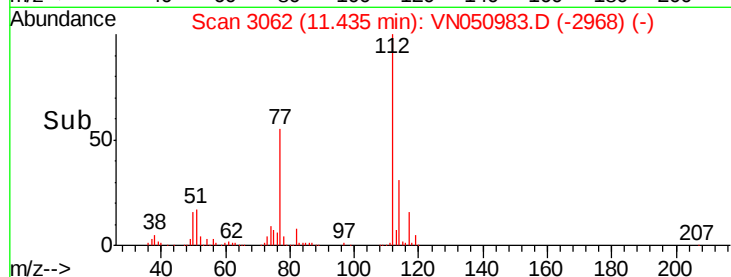
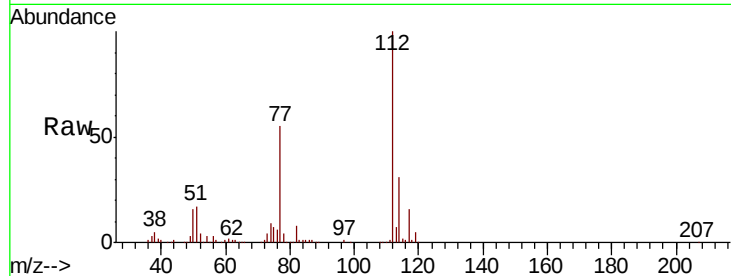




#65
Chlorobenzene
Concen: 20.27 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

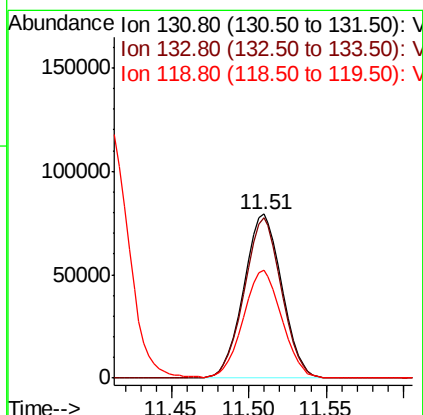
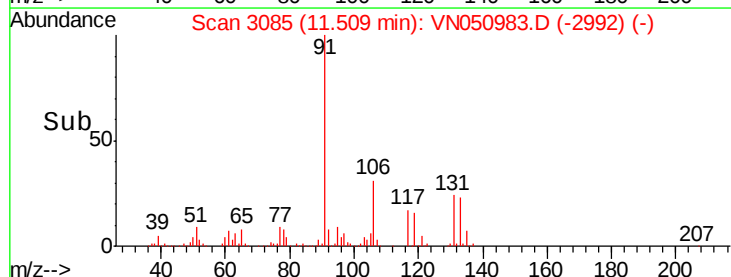
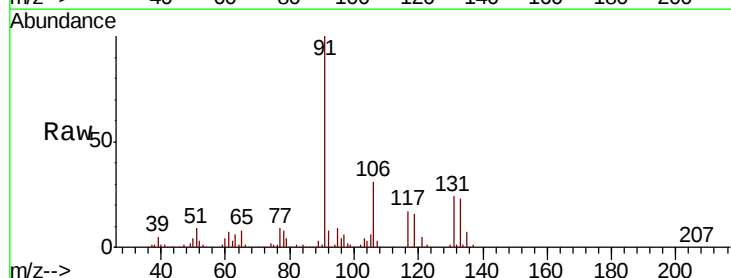
Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

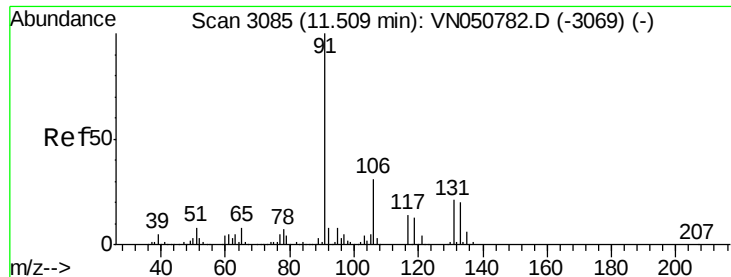
Tot Ion:112 Resp: 361529
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.97 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion:131 Resp: 136855
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.3
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 19.48 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

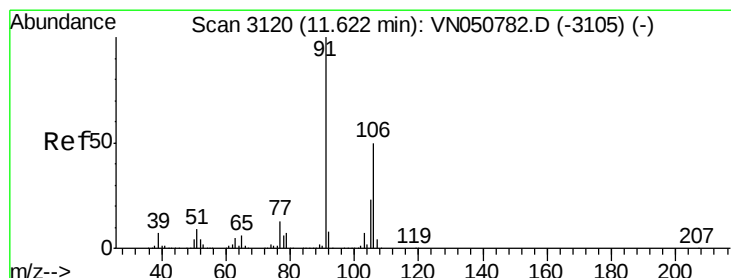
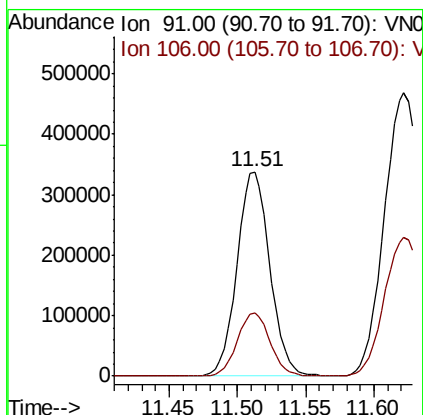
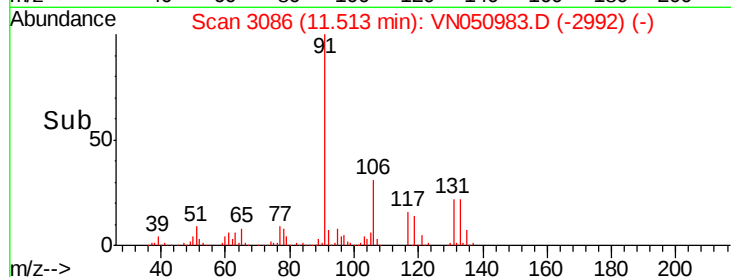
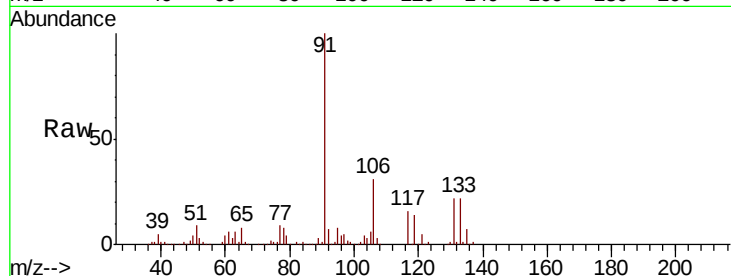
VN0831MBS01

Tot Ion: 91 Resp: 564830

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 40.58 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050983.D

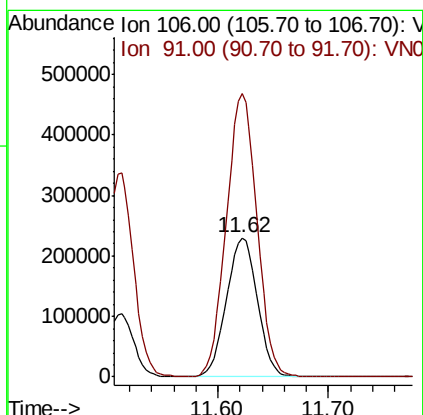
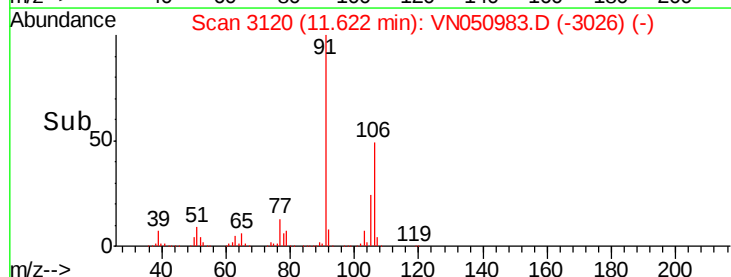
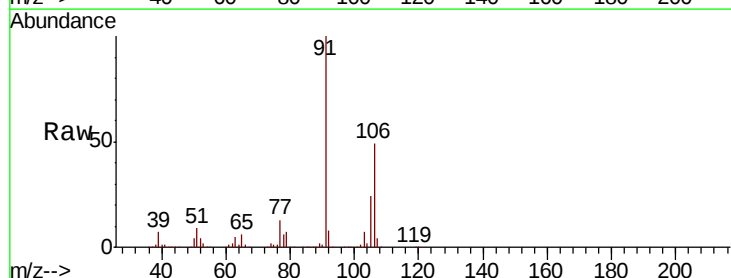
Acq: 31 Aug 2018 13:11

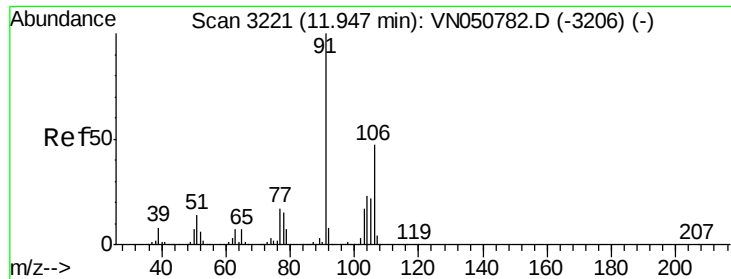
Tgt Ion: 106 Resp: 446612

Ion Ratio Lower Upper

106 100

91 201.6 161.0 241.6

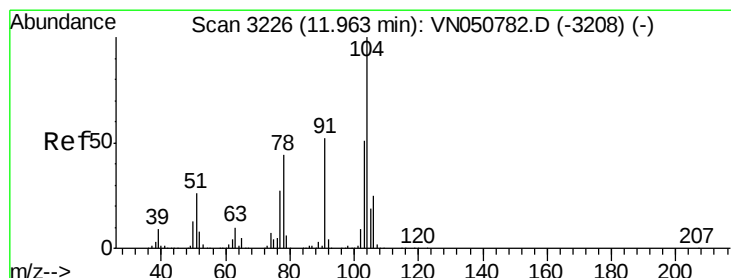
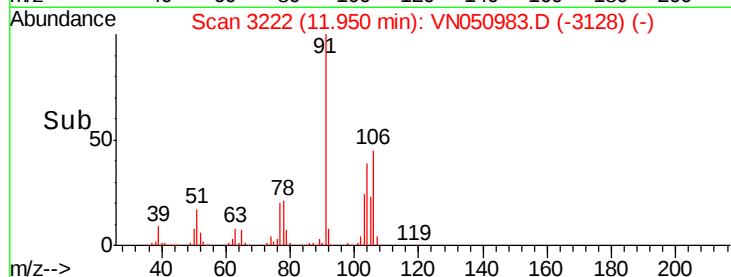
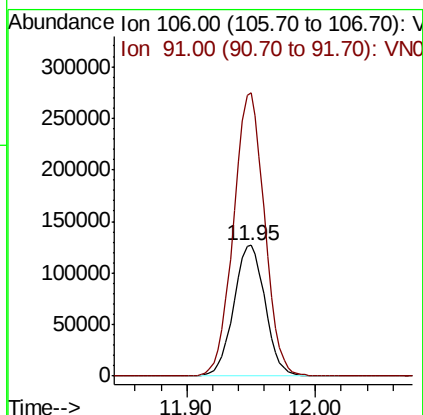
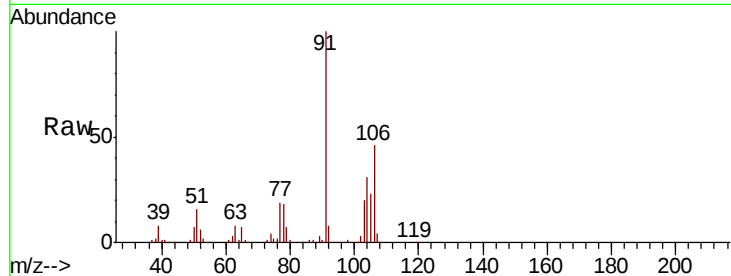




#69
o-Xylene
Concen: 20.19 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

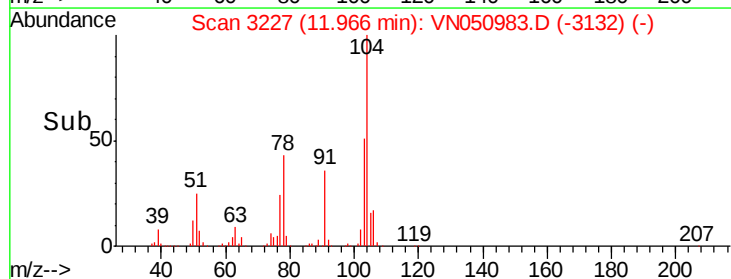
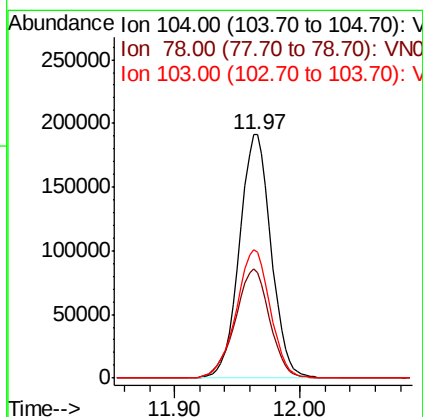
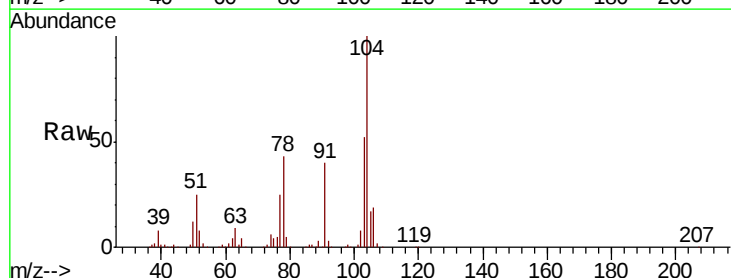
Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

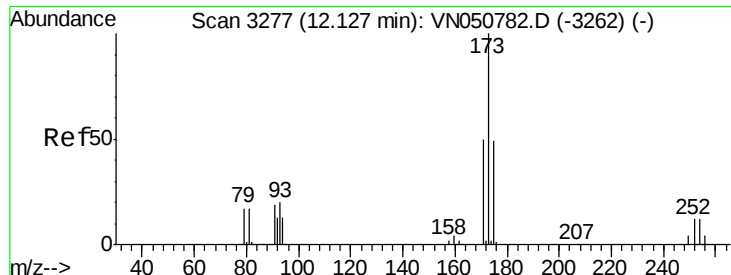
Tot Ion:106 Resp: 213636
Ion Ratio Lower Upper
106 100
91 215.0 106.5 319.5



#70
Styrene
Concen: 18.84 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion:104 Resp: 336194
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.4
103 56.6 44.4 66.6

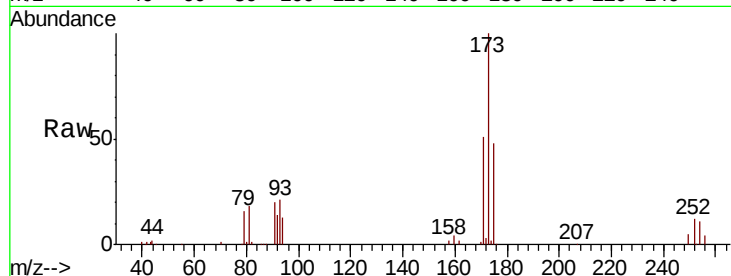




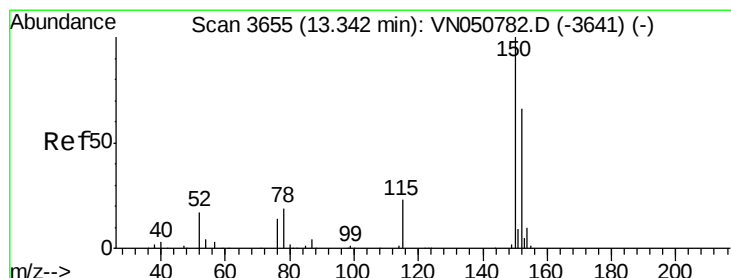
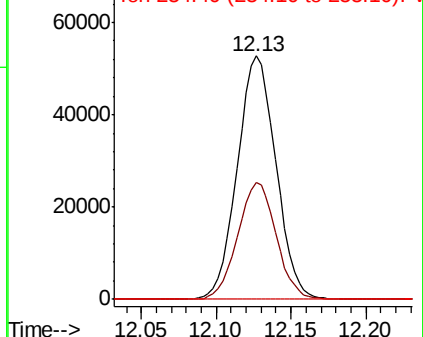
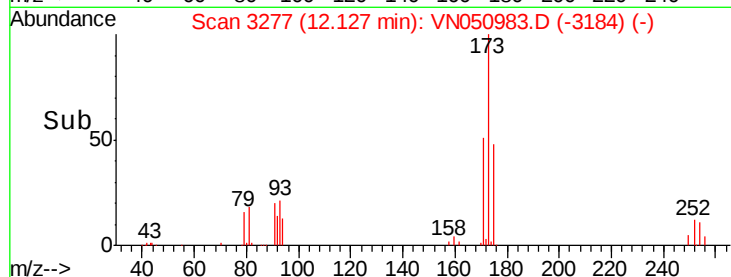
#71
Bromoform
Concen: 21.08 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion:173 Resp: 94578
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.4
254 0.0 0.1 0.1#

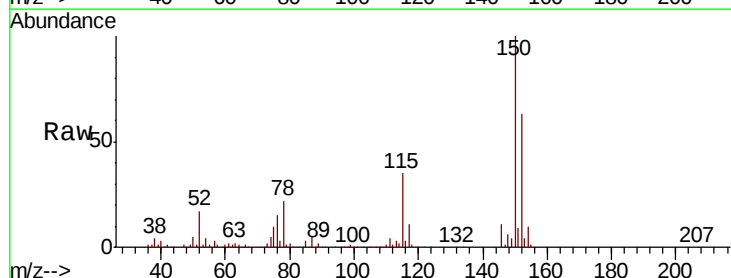


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

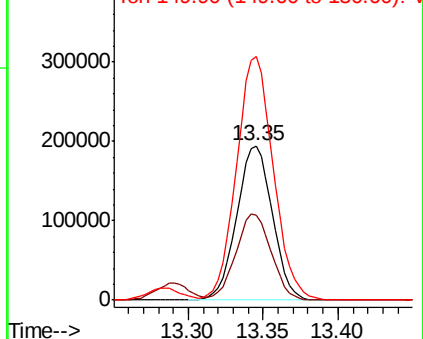
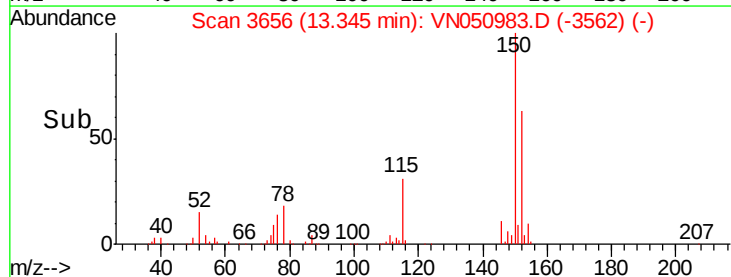


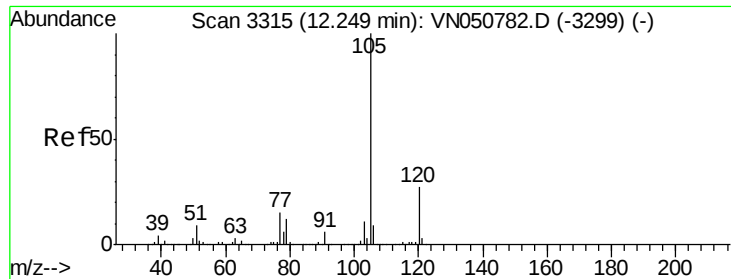
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion:152 Resp: 322053
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.4
150 163.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.91 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

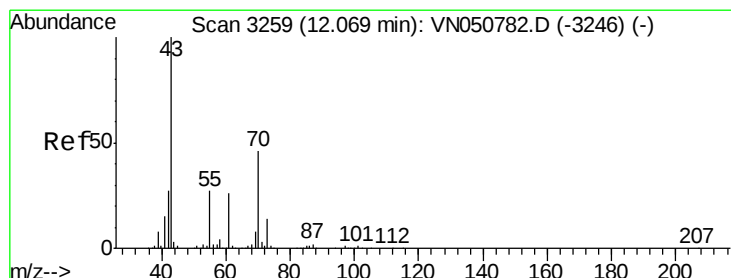
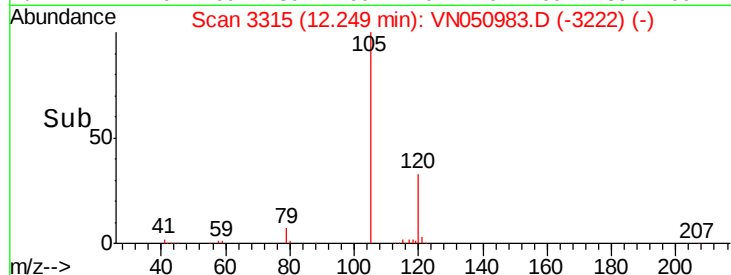
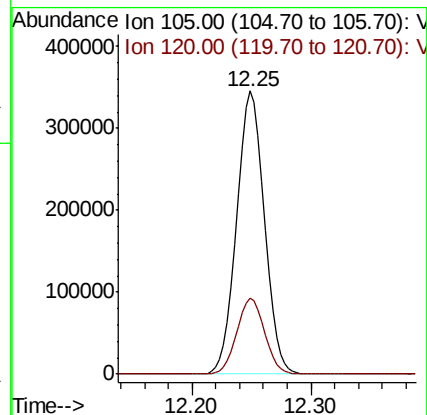
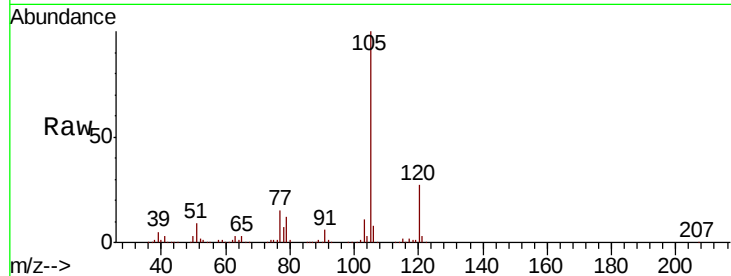
VN0831MBS01

Tot Ion:105 Resp: 557667

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 19.79 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion: 43 Resp: 132587

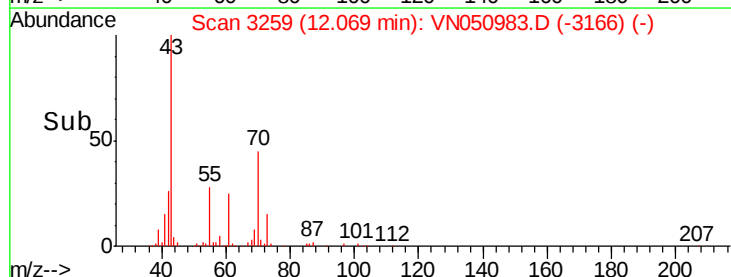
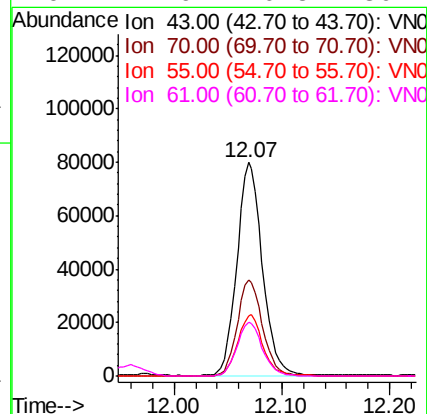
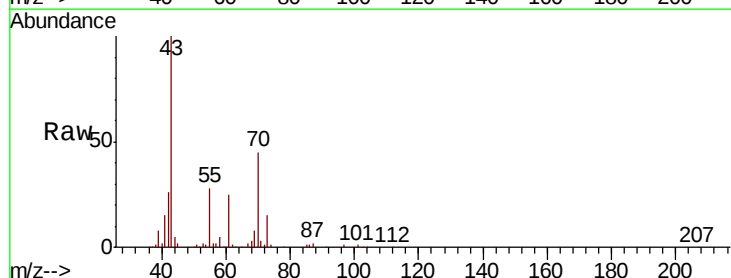
Ion Ratio Lower Upper

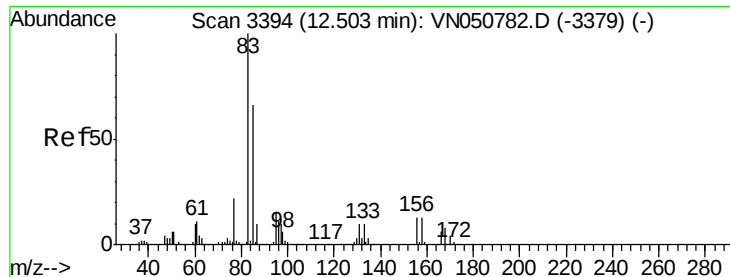
43 100

70 44.2 36.2 54.2

55 28.1 21.8 32.8

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 23.12 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

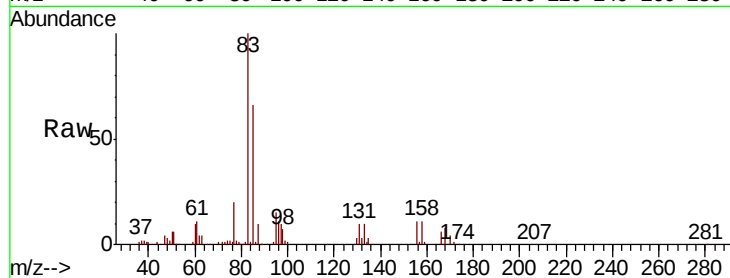
Tot Ion: 83 Resp: 152553

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

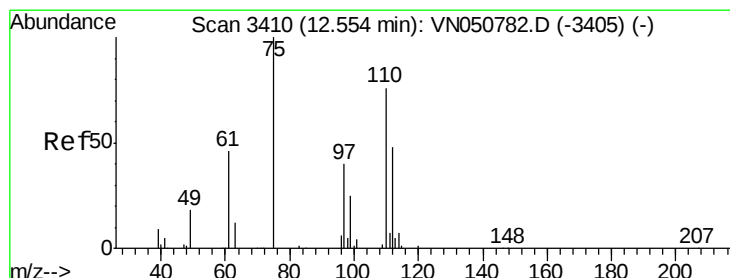
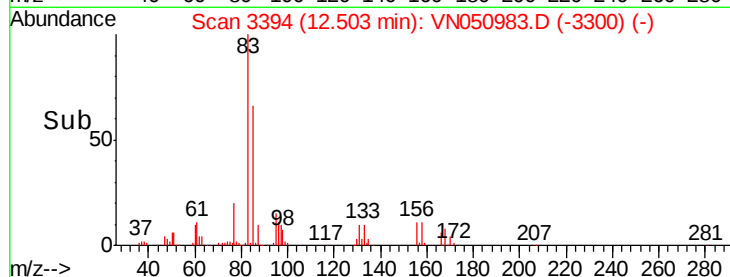
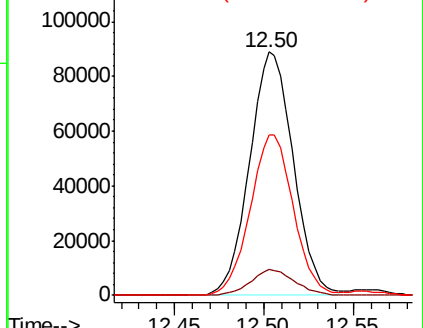
85 64.9 31.9 95.7



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: 30.37 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050983.D

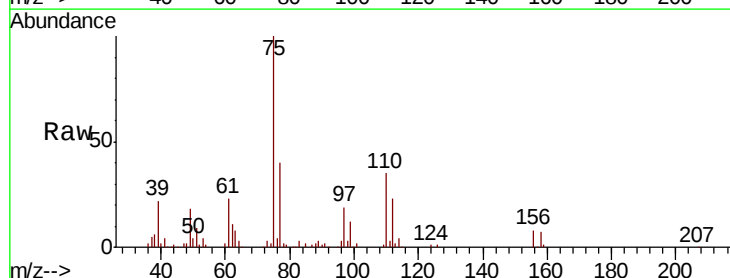
Acq: 31 Aug 2018 13:11

Tgt Ion: 75 Resp: 171330

Ion Ratio Lower Upper

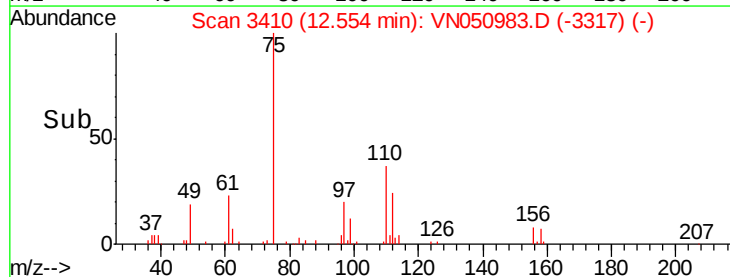
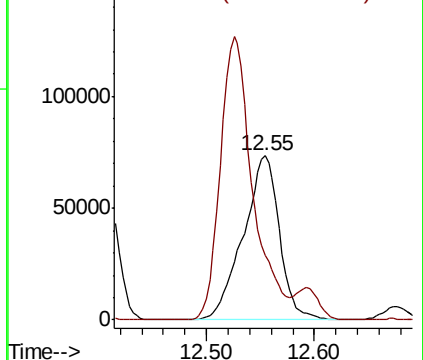
75 100

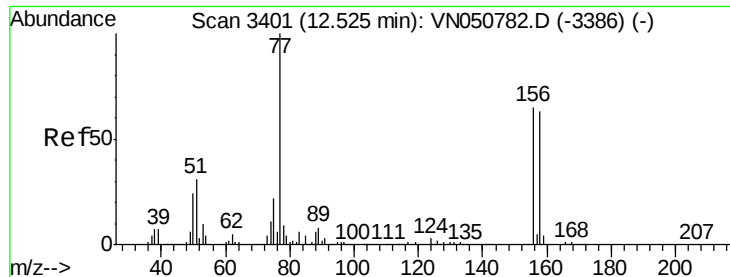
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

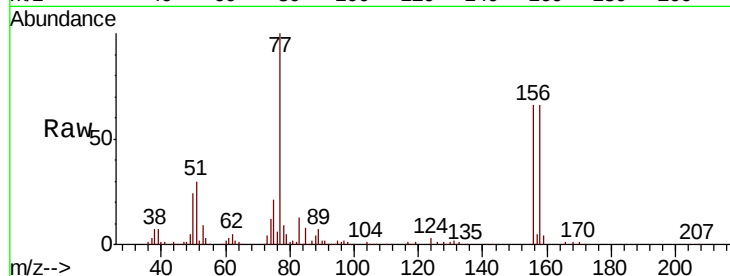
Tot Ion:156 Resp: 148279

Ion Ratio Lower Upper

156 100

77 178.6 89.9 269.7

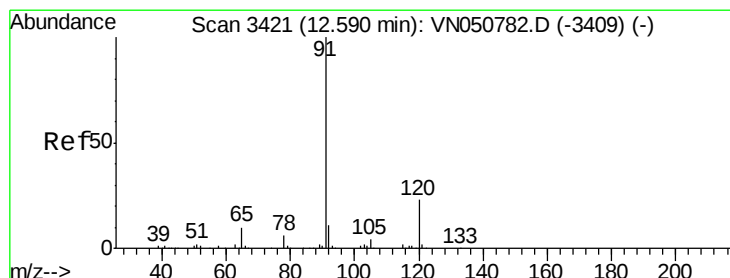
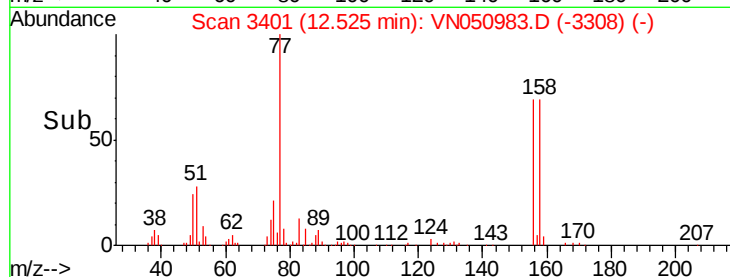
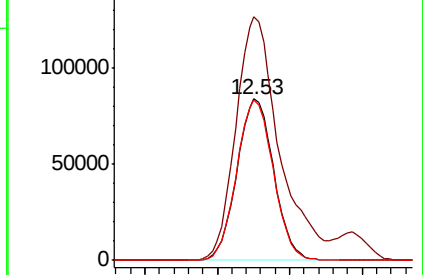
158 98.9 49.3 147.9



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: 20.55 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050983.D

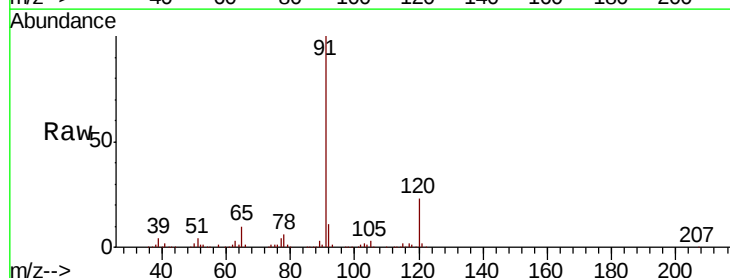
Acq: 31 Aug 2018 13:11

Tgt Ion: 91 Resp: 612238

Ion Ratio Lower Upper

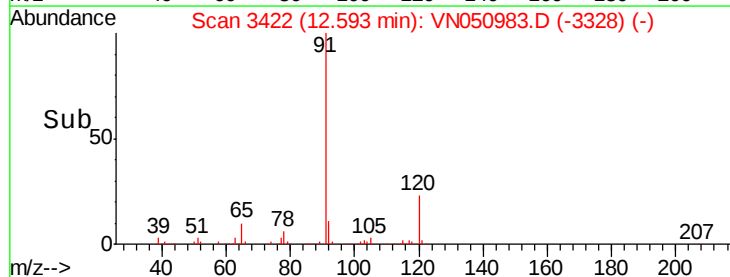
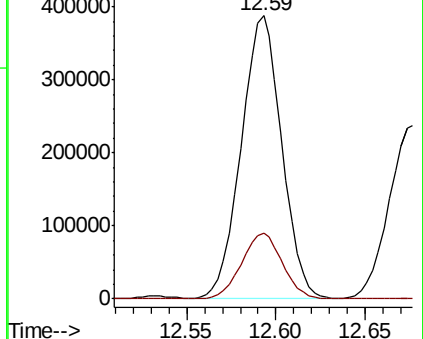
91 100

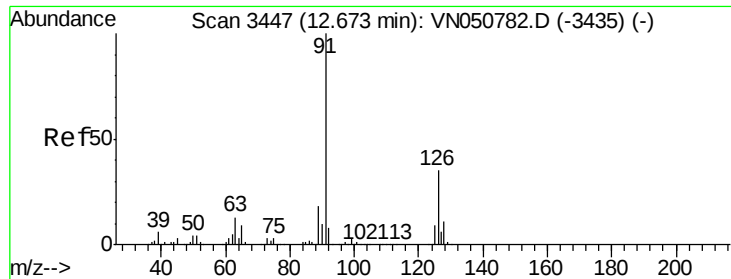
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.07 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

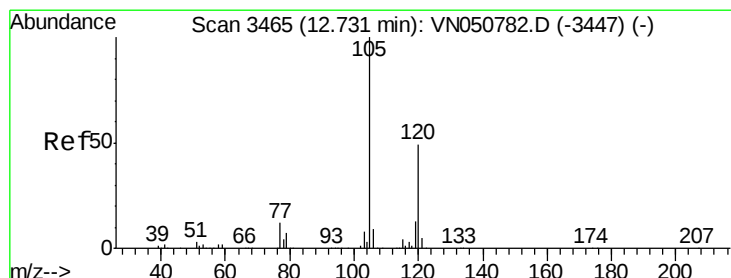
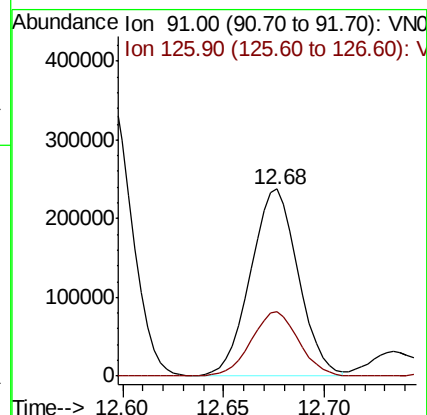
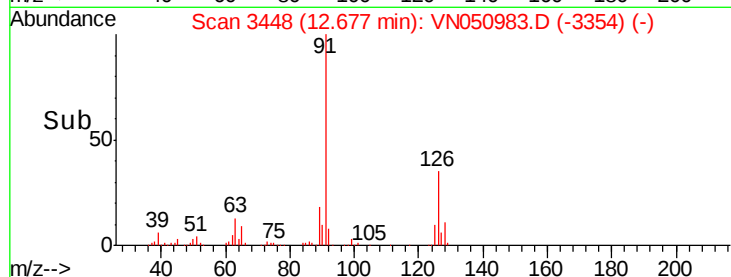
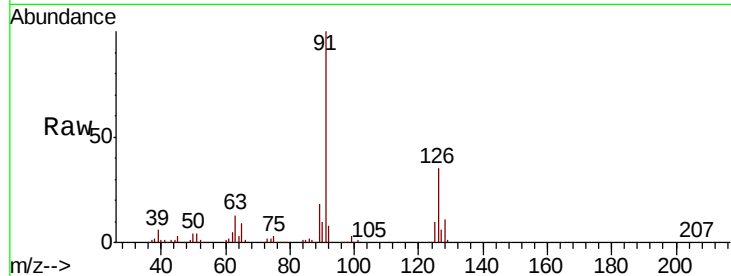
VN0831MBS01

Tot Ion: 91 Resp: 390995

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.49 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050983.D

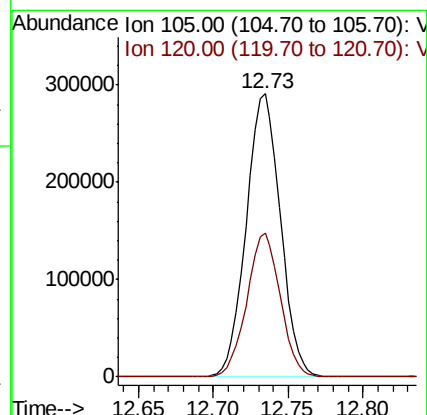
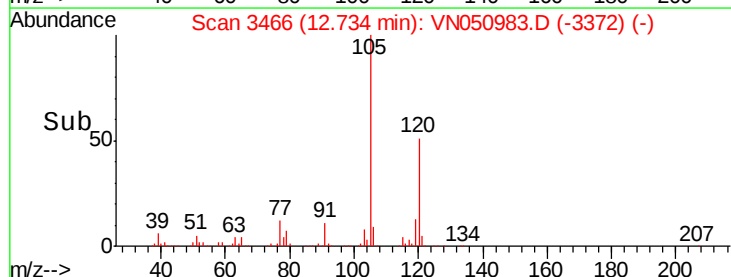
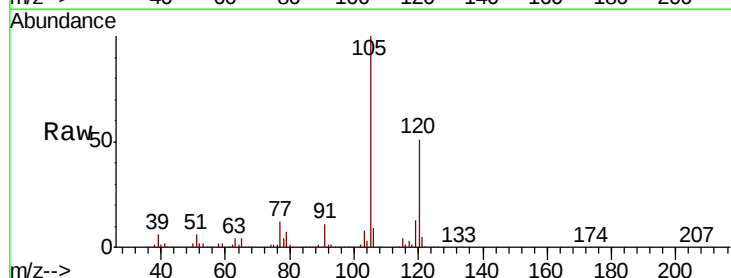
Acq: 31 Aug 2018 13:11

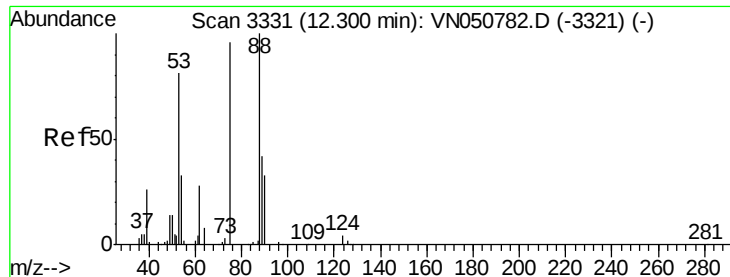
Tgt Ion:105 Resp: 462324

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.33 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

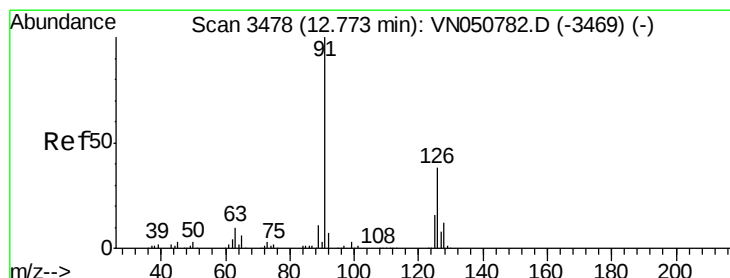
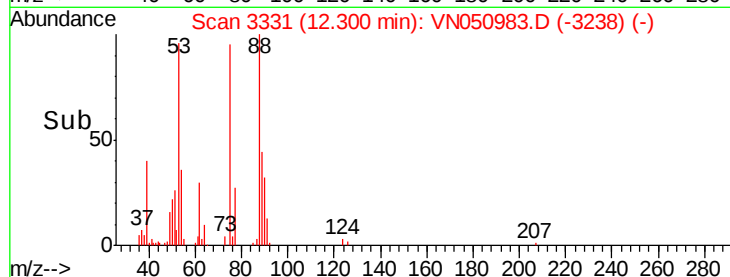
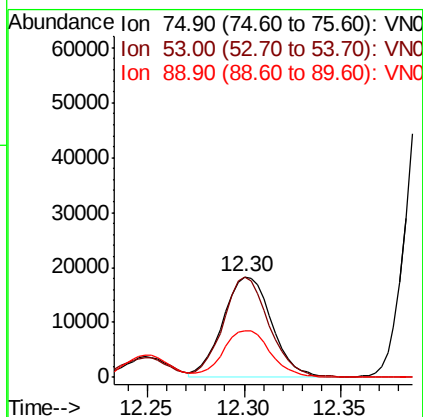
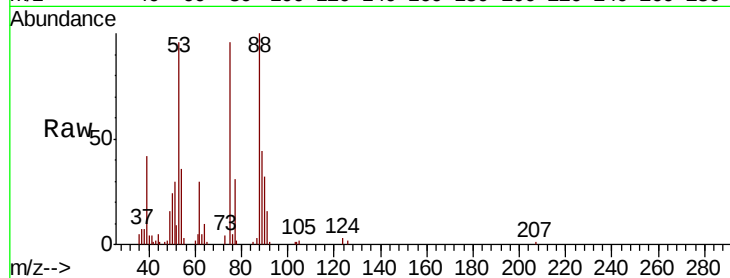
Tot Ion: 75 Resp: 32260

Ion Ratio Lower Upper

75 100

53 93.3 68.9 103.3

89 45.3 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.56 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050983.D

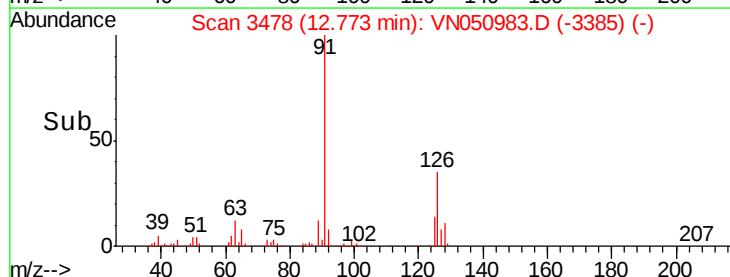
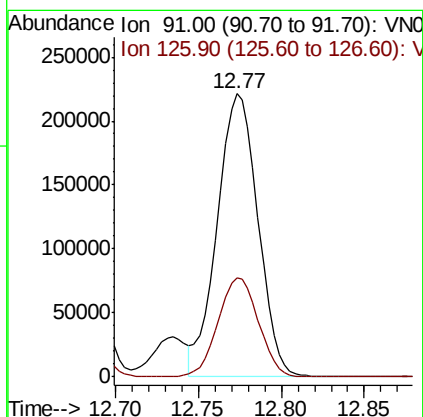
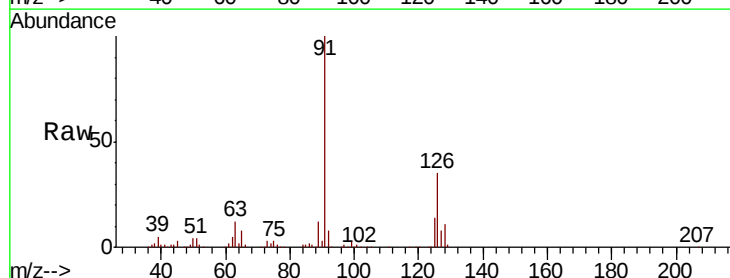
Acq: 31 Aug 2018 13:11

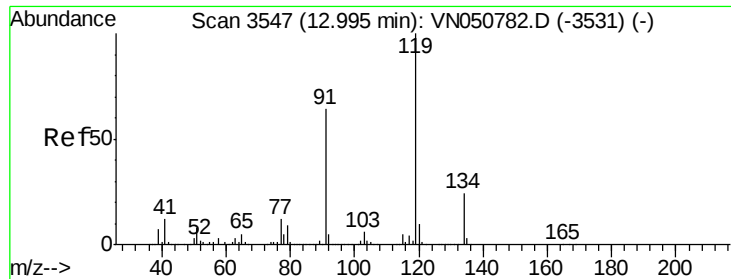
Tgt Ion: 91 Resp: 376633

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5

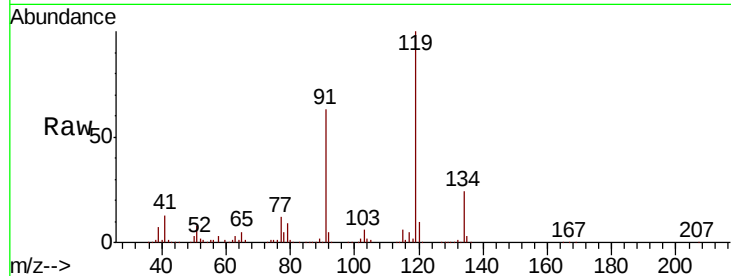




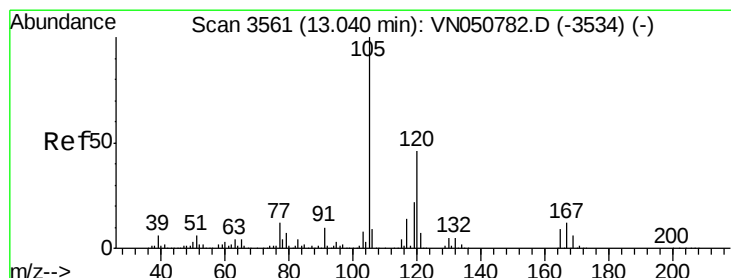
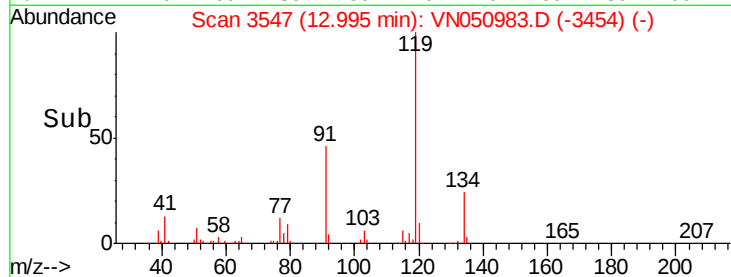
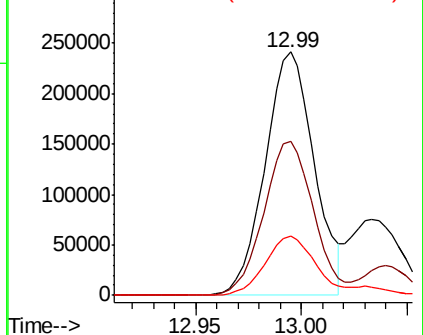
#83
 tert-Butylbenzene
 Concen: 20.96 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831MBS01

Tot Ion:119 Resp: 390582
 Ion Ratio Lower Upper
 119 100
 91 64.1 31.6 94.7
 134 25.0 13.4 40.1

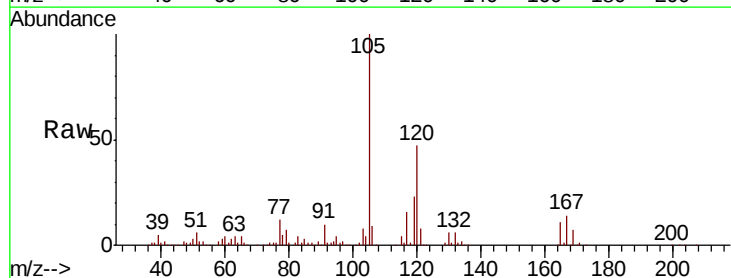


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

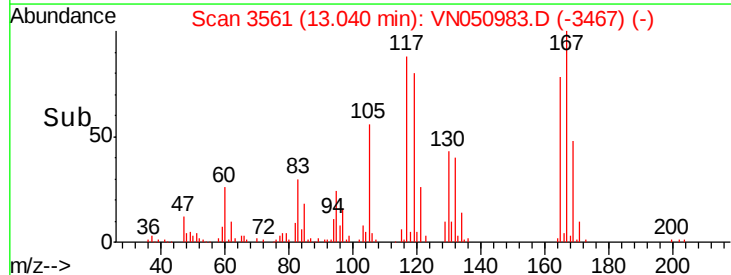
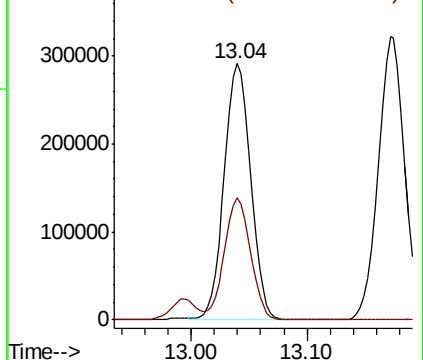


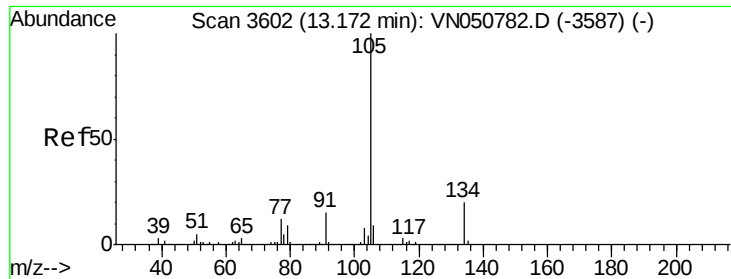
#84
 1,2,4-Trimethylbenzene
 Concen: 21.26 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion:105 Resp: 460083
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 20.88 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

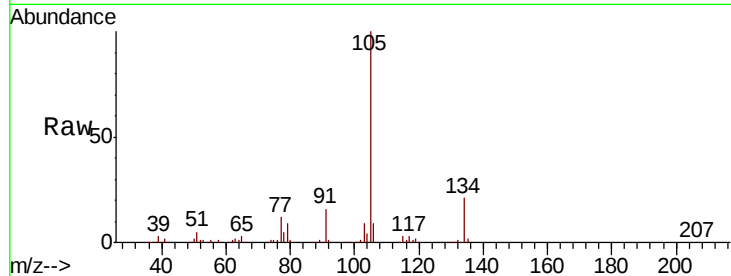
VN0831MBS01

Tot Ion:105 Resp: 509815

Ion Ratio Lower Upper

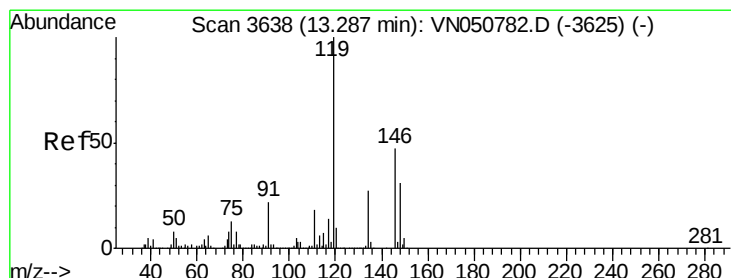
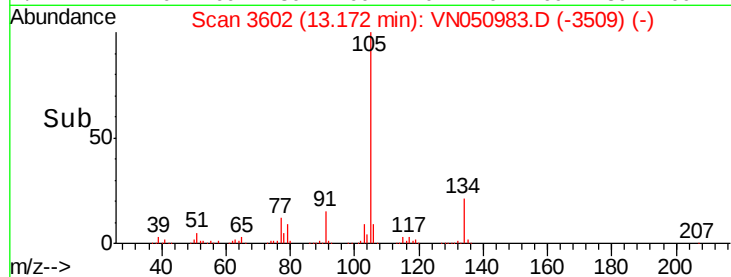
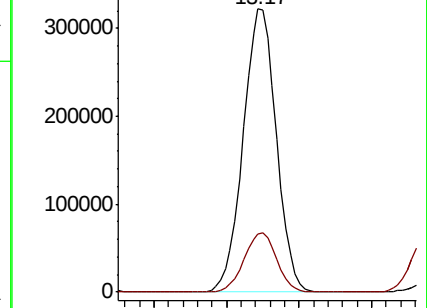
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

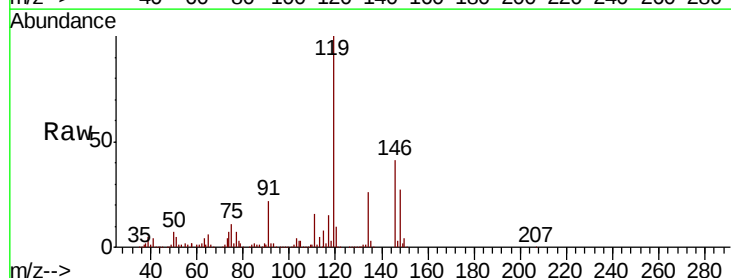
Tgt Ion:119 Resp: 437612

Ion Ratio Lower Upper

119 100

134 26.2 13.7 41.0

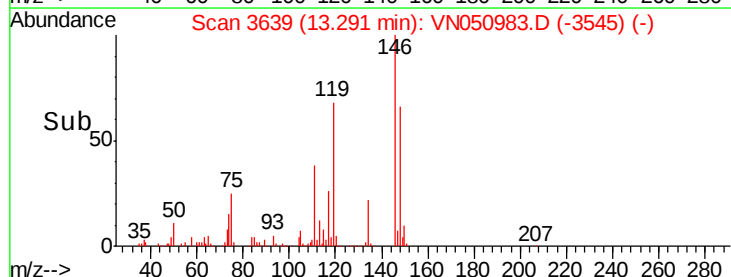
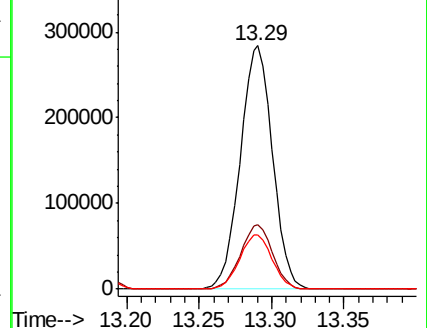
91 22.2 11.2 33.5

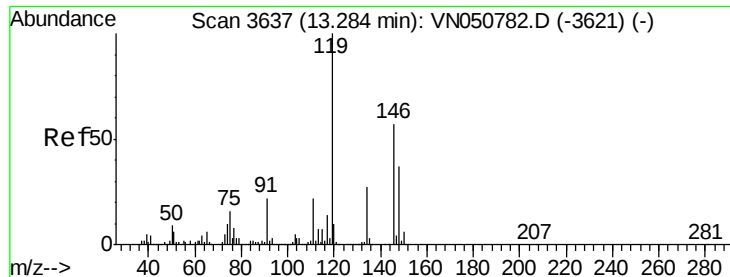


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.74 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

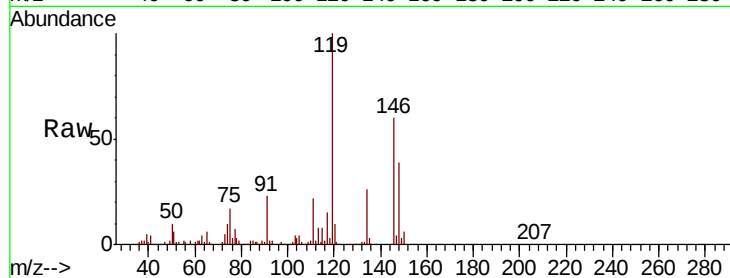
Tot Ion:146 Resp: 242812

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.3

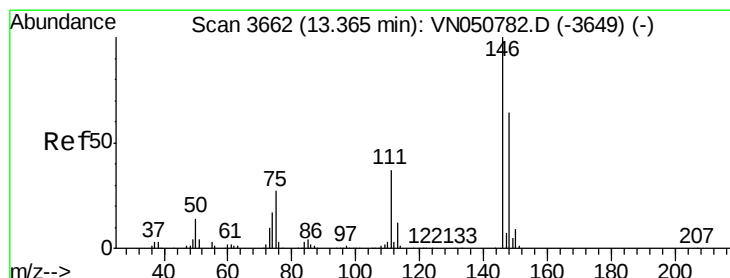
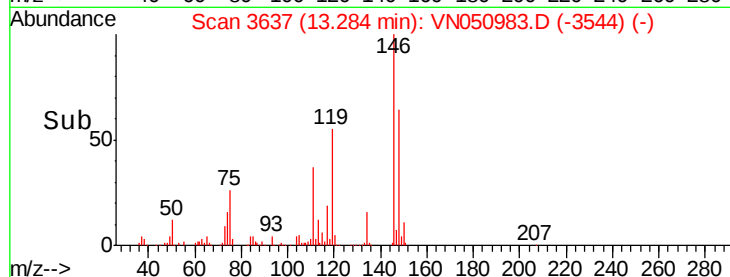
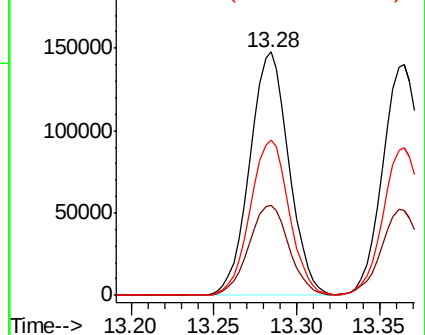
148 63.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.17 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

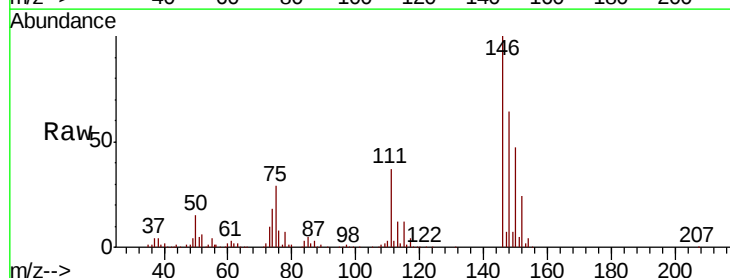
Tgt Ion:146 Resp: 232086

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

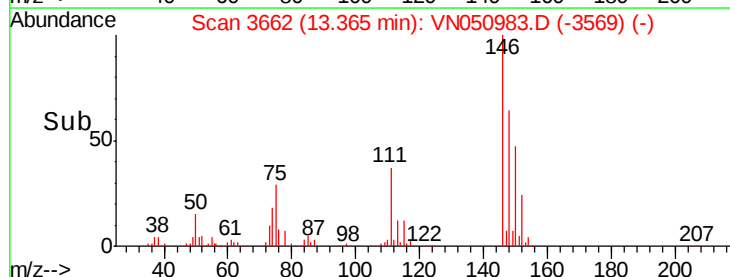
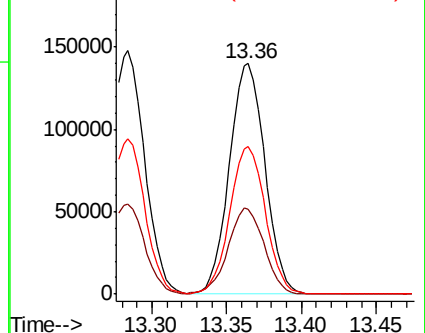
148 64.2 32.2 96.6

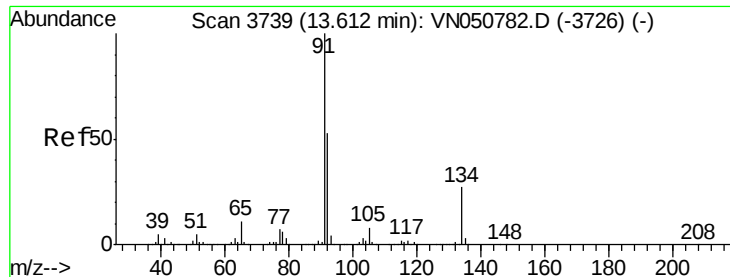


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

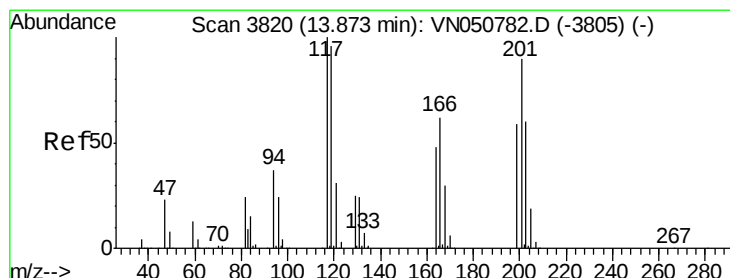
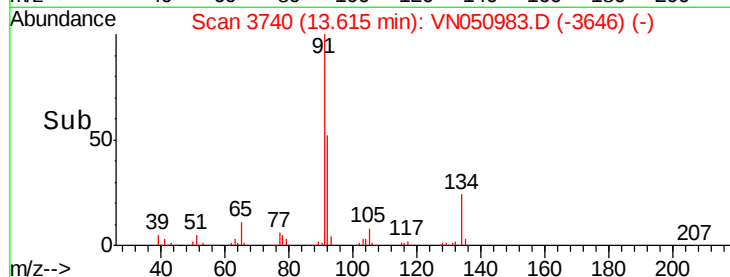
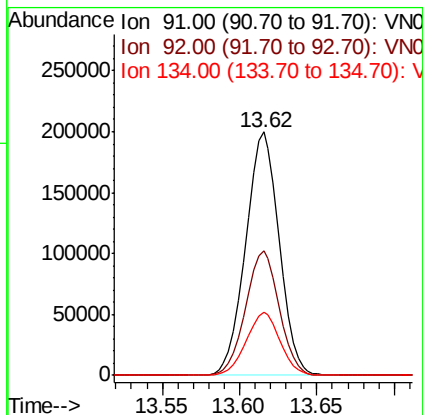
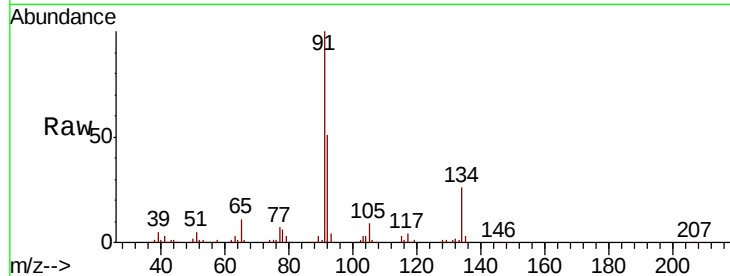




#89
n-Butylbenzene
Concen: 18.17 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

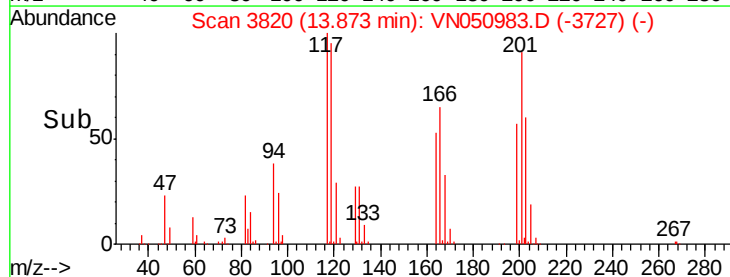
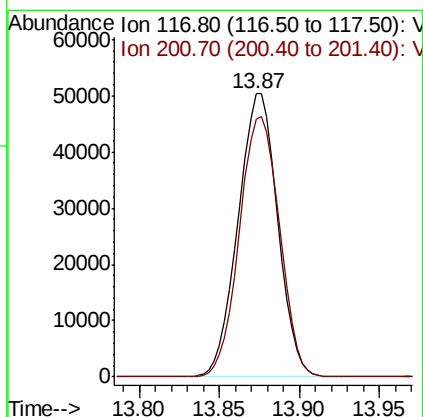
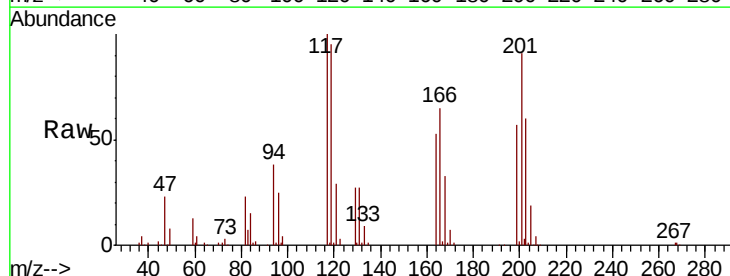
Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

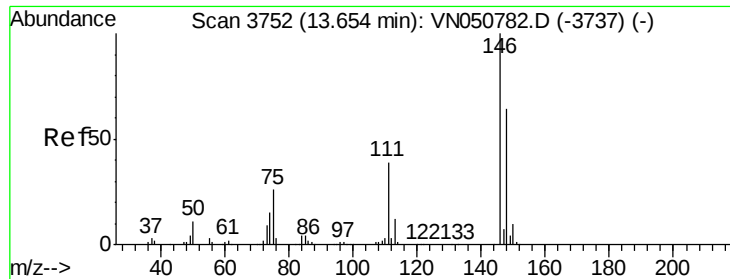
Tot Ion: 91 Resp: 302336
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.2
134 26.1 13.2 39.6



#90
Hexachloroethane
Concen: 21.56 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 117 Resp: 85083
Ion Ratio Lower Upper
117 100
201 93.1 46.0 137.8

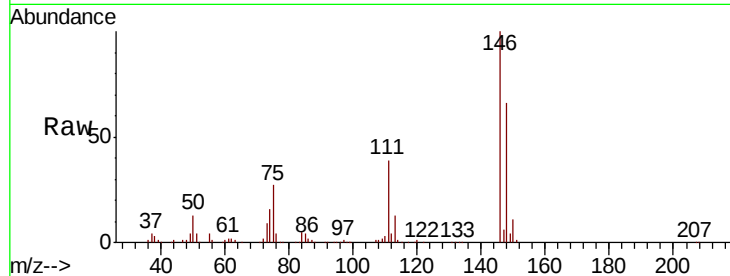




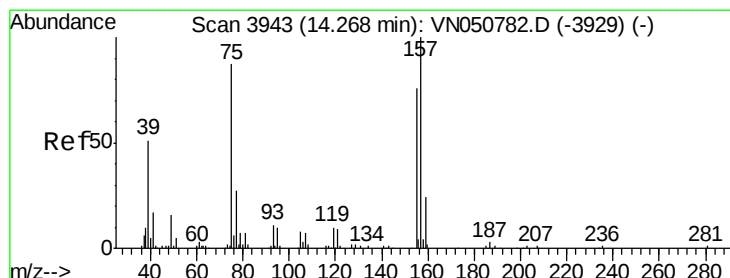
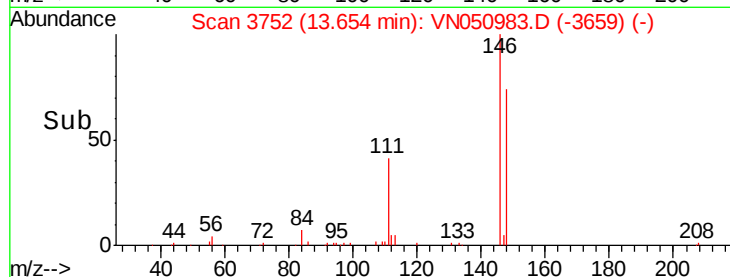
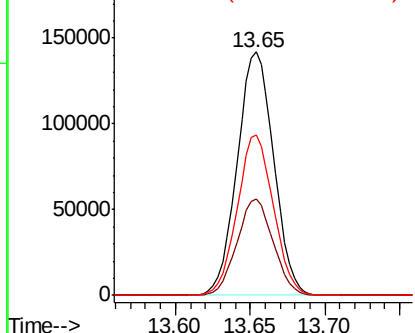
#91
 1,2-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	65.2	32.3	96.8

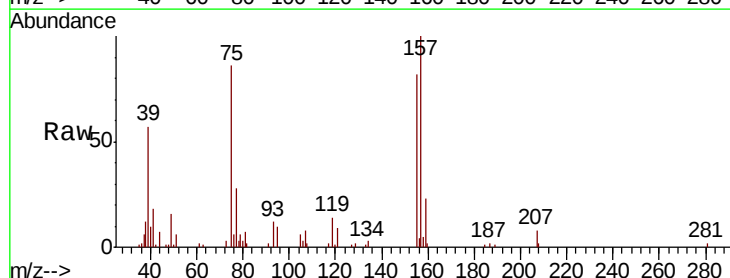


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

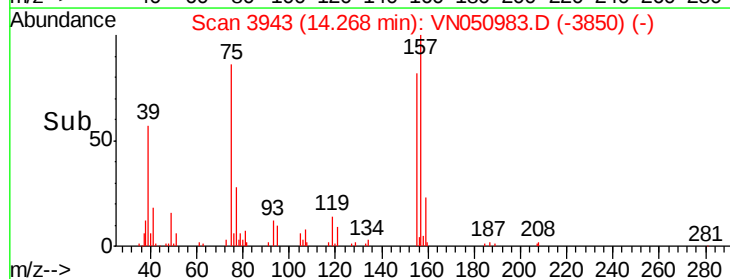
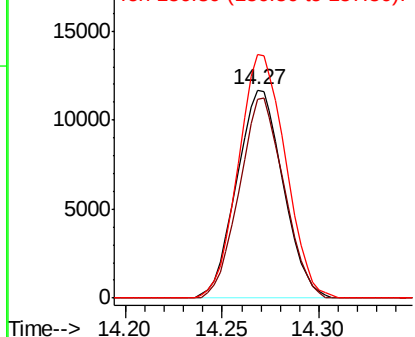


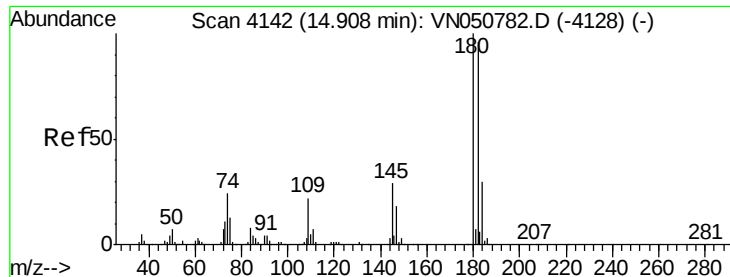
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.41 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.4	139.1
157	118.5	60.7	182.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

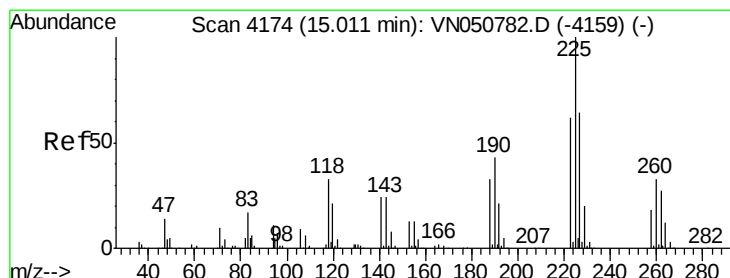
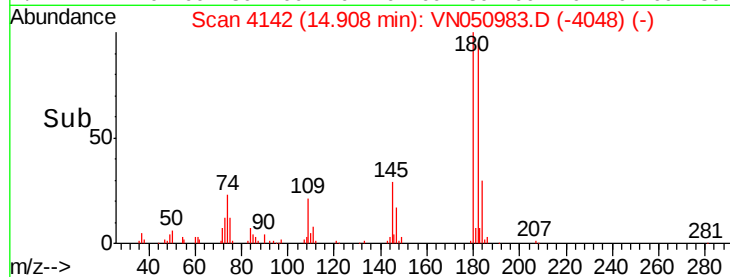
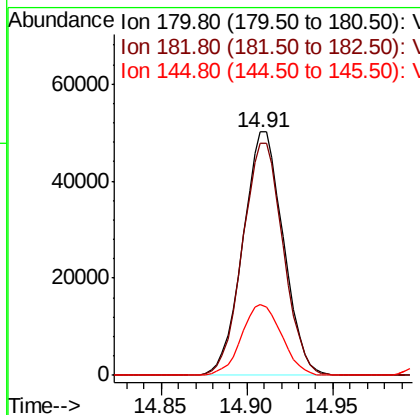
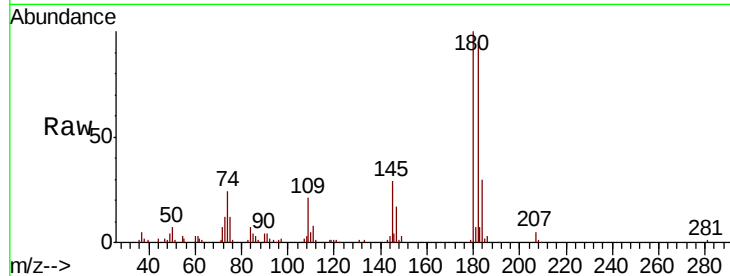




#93
 1,2,4-Trichlorobenzene
 Concen: 16.28 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

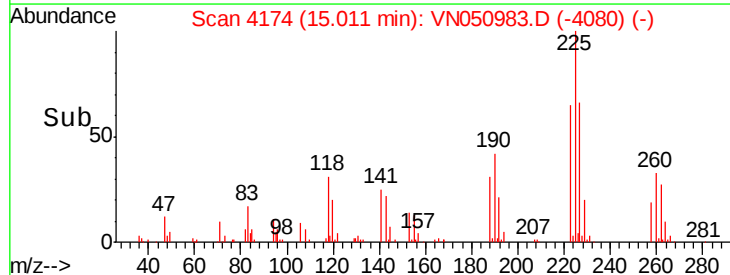
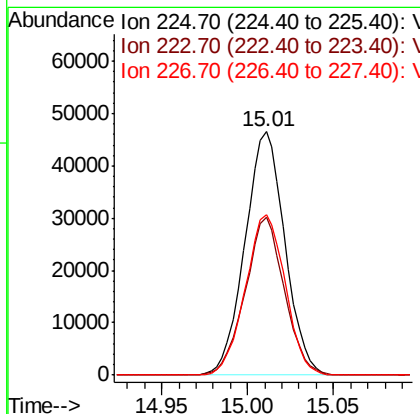
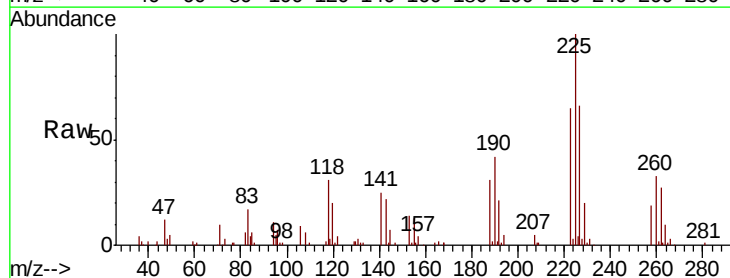
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

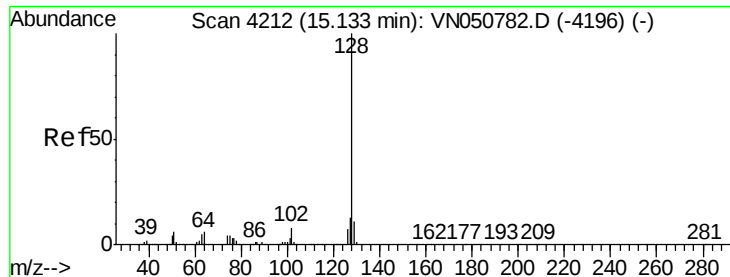
Tot Ion:180 Resp: 82011
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.2 144.6
 145 28.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 20.59 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion:225 Resp: 74732
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 65.7 32.0 96.2





#95

Naphthalene

Concen: 16.19 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

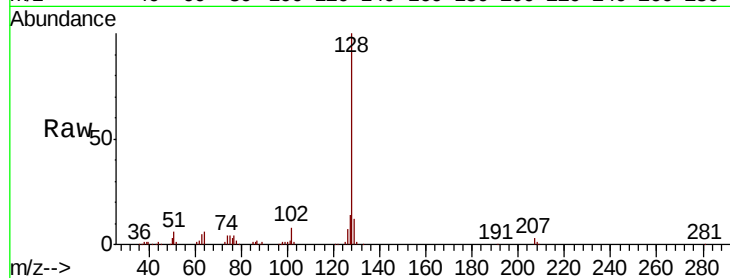
Tot Ion:128 Resp: 155587

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

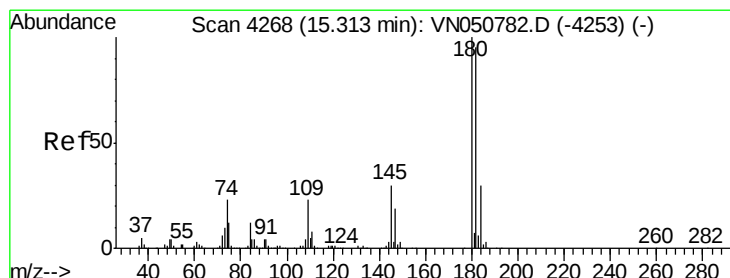
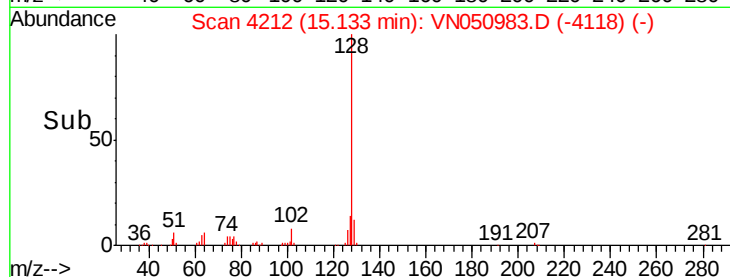
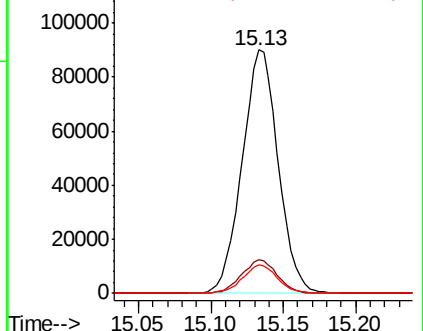
129 11.3 8.7 13.1



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: 17.53 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

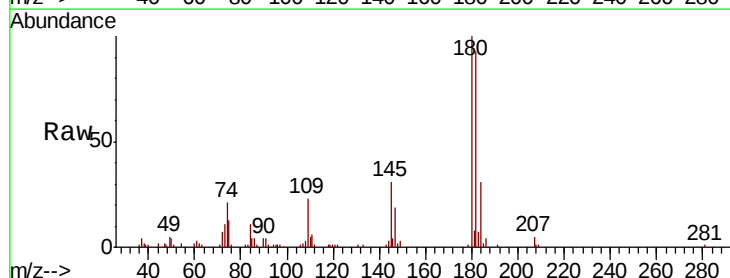
Tgt Ion:180 Resp: 88205

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.2

145 29.8 15.2 45.6



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

