

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051082.D
 Acq On : 10 Sep 2018 16:59
 Operator : MD\SY
 Sample : VN0910MBSD01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

Quant Time: Sep 11 03:20:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	406195	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	392657	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.59	113	380532	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.09	98	1437960	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	450850	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	123532	18.74	ug/l	98
3) Chloromethane	2.06	50	169561	19.59	ug/l	98
4) Vinyl Chloride	2.18	62	171985	19.01	ug/l	99
5) Bromomethane	2.57	94	102338	19.44	ug/l	97
6) Chloroethane	2.70	64	103956	18.61	ug/l	98
7) Trichlorofluoromethane	3.01	101	230024	19.18	ug/l	100
8) Diethyl Ether	3.41	74	85693	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144919	18.75	ug/l	99
10) Methyl Iodide	3.95	142	119497	20.30	ug/l	99
11) Tert butyl alcohol	4.80	59	54430	93.67	ug/l	99
12) 1,1-Dichloroethene	3.74	96	135230	18.55	ug/l	100
13) Acrolein	3.61	56	72828	116.99	ug/l	98
14) Allyl chloride	4.33	41	205596	18.51	ug/l	98
15) Acrylonitrile	4.99	53	253609	98.50	ug/l	99
16) Acetone	3.82	43	177328	90.55	ug/l	97
17) Carbon Disulfide	4.05	76	409262	19.11	ug/l	98
18) Methyl Acetate	4.33	43	115309	18.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	379942	19.71	ug/l	99
20) Methylene Chloride	4.55	84	157106	18.70	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	146508	18.52	ug/l	99
22) Diisopropyl ether	5.96	45	449410	20.38	ug/l	97
23) Vinyl Acetate	5.90	43	1489366	99.80	ug/l	99
24) 1,1-Dichloroethane	5.85	63	268881	19.22	ug/l	99
25) 2-Butanone	6.84	43	278166	93.00	ug/l	98
26) 2,2-Dichloropropane	6.83	77	203845	17.80	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	165500	19.07	ug/l	99
28) Bromochloromethane	7.20	49	119847	19.24	ug/l	100
29) Tetrahydrofuran	7.22	42	189741	101.59	ug/l	99
30) Chloroform	7.37	83	267677	19.23	ug/l	99
31) Cyclohexane	7.65	56	239989	19.10	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	230444	19.43	ug/l	100
36) 1,1-Dichloropropene	7.80	75	205671	19.12	ug/l	99
37) Ethyl Acetate	6.93	43	130178	20.89	ug/l	99
38) Carbon Tetrachloride	7.77	117	205710	19.43	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	225582	19.00	µg/l	97
40) Benzene	8.04	78	636479	19.63	µg/l	99
41) Methacrylonitrile	7.21	41	180716	56.21	µg/l #	13
42) 1,2-Dichloroethane	8.13	62	186689	19.76	µg/l	100
43) Isopropyl Acetate	8.17	43	220845	20.09	µg/l	99
44) Trichloroethene	8.84	130	167803	18.92	µg/l	98
45) 1,2-Dichloropropane	9.12	63	165717	19.78	µg/l	100
46) Dibromomethane	9.21	93	99636	19.49	µg/l	99
47) Bromodichloromethane	9.40	83	204542	19.68	µg/l	98
48) Methyl methacrylate	9.20	41	106188	19.82	µg/l	100
49) 1,4-Dioxane	9.20	88	32512	386.98	µg/l	99
51) 4-Methyl-2-Pentanone	9.99	43	632430	104.02	µg/l	100
52) Toluene	10.16	92	394212	19.94	µg/l	100
53) t-1,3-Dichloropropene	10.38	75	197947	19.03	µg/l	100
54) cis-1,3-Dichloropropene	9.84	75	235763	19.33	µg/l	99
55) 1,1,2-Trichloroethane	10.56	97	143529	19.99	µg/l	99
56) Ethyl methacrylate	10.43	69	173993	19.62	µg/l	99
57) 1,3-Dichloropropane	10.71	76	236419	19.86	µg/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	351711	96.76	µg/l	100
59) 2-Hexanone	10.75	43	395348	95.88	µg/l	100
60) Dibromochloromethane	10.90	129	159154	19.66	µg/l	99
61) 1,2-Dibromoethane	11.01	107	137533	19.59	µg/l	100
64) Tetrachloroethene	10.63	164	155794	19.43	µg/l	98
65) Chlorobenzene	11.43	112	420950	19.00	µg/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156152	19.58	µg/l	99
67) Ethyl Benzene	11.51	91	694838	19.37	µg/l	100
68) m/p-Xylenes	11.62	106	542006	39.32	µg/l	98
69) o-Xylene	11.95	106	261357	19.58	µg/l	99
70) Styrene	11.96	104	408122	19.71	µg/l	98
71) Bromoform	12.13	173	111817	19.91	µg/l #	100
73) Isopropylbenzene	12.25	105	686455	20.15	µg/l	100
74) N-amyl acetate	12.07	43	168114	19.61	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	180709	22.24	µg/l	99
76) 1,2,3-Trichloropropane	12.55	75	204132	31.88	µg/l #	100
77) Bromobenzene	12.53	156	177495	19.40	µg/l	99
78) n-propylbenzene	12.59	91	748234	19.98	µg/l	99
79) 2-Chlorotoluene	12.67	91	458217	19.58	µg/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560944	20.37	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41160	19.24	µg/l	98
82) 4-Chlorotoluene	12.77	91	445185	19.16	µg/l	99
83) tert-Butylbenzene	12.99	119	480663	19.77	µg/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	555316	20.51	µg/l	98
85) sec-Butylbenzene	13.17	105	619655	19.87	µg/l	100
86) p-Isopropyltoluene	13.29	119	532998	20.16	µg/l	100
87) 1,3-Dichlorobenzene	13.28	146	280557	18.07	µg/l	99
88) 1,4-Dichlorobenzene	13.36	146	275266	19.32	µg/l	100
89) n-Butylbenzene	13.62	91	378689	18.40	µg/l	99
90) Hexachloroethane	13.87	117	100987	20.62	µg/l	99
91) 1,2-Dichlorobenzene	13.65	146	282344	18.67	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23066	20.22	µg/l	99

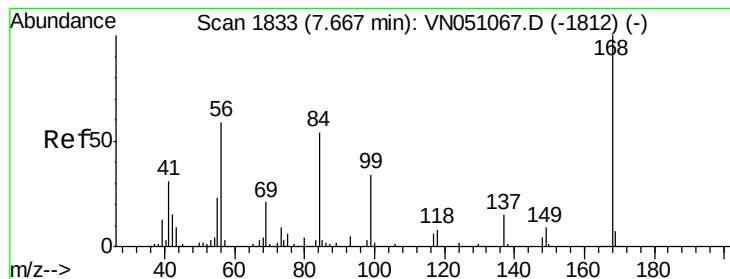
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
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Quant Time: Sep 11 03:20:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	105616	17.28	ug/l	99
94) Hexachlorobutadiene	15.01	225	88456	18.98	ug/l	98
95) Naphthalene	15.13	128	203069	17.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	109894	17.76	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

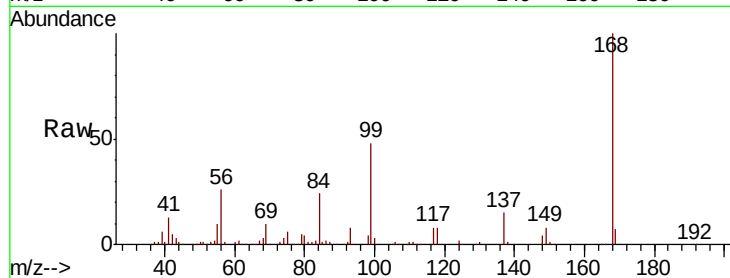
VN0910MBSD01

Tot Ion:168 Resp: 683589

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

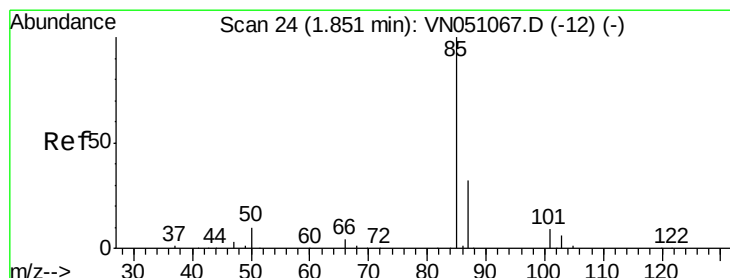
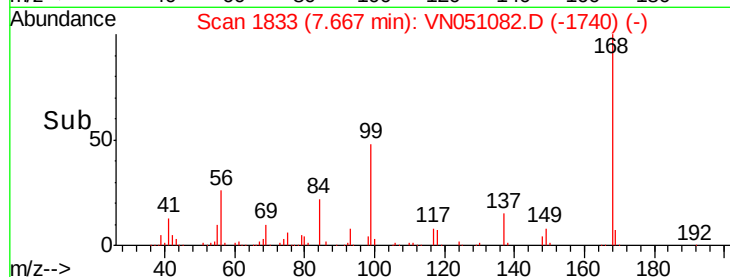
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.74 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051082.D

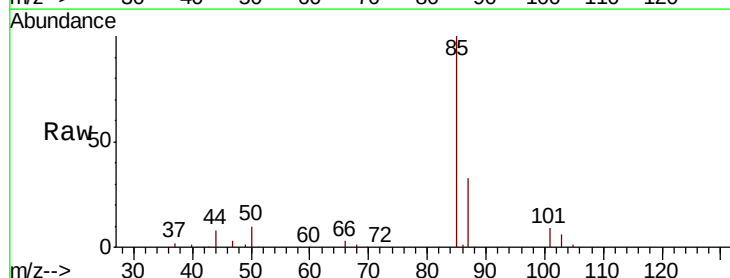
Acq: 10 Sep 2018 16:59

Tgt Ion: 85 Resp: 123532

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

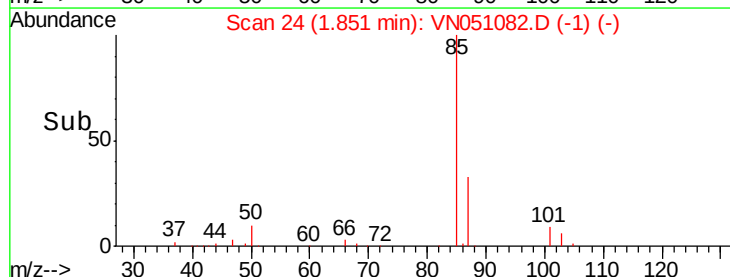
40000

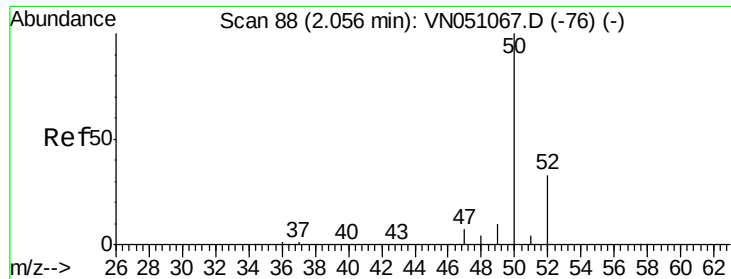
20000

0

1.80 1.85 1.90 1.95

Time-->

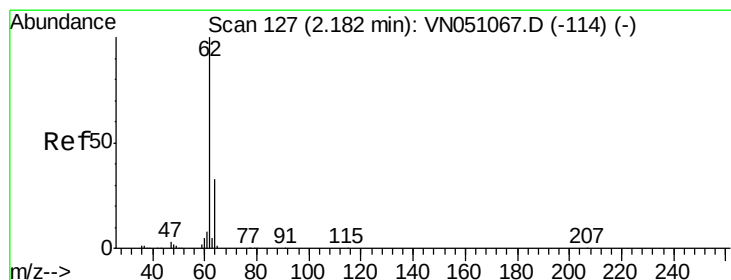
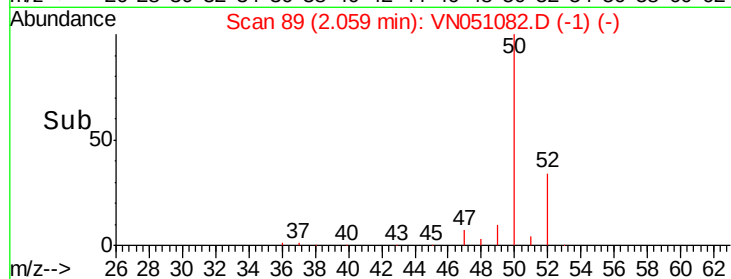
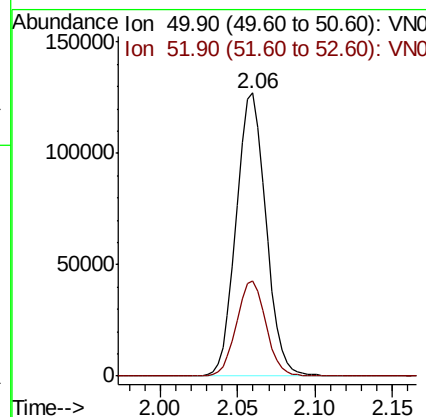
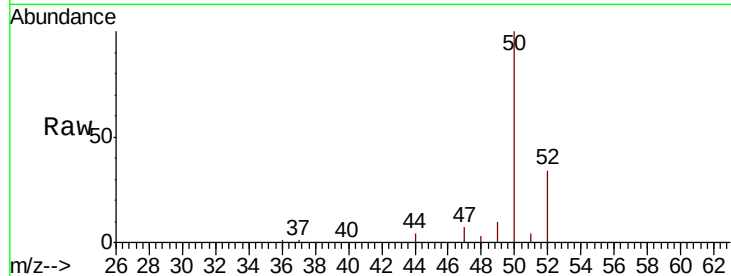




#3
Chloromethane
Concen: 19.59 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

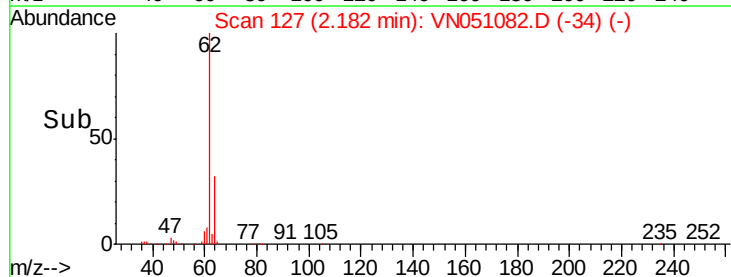
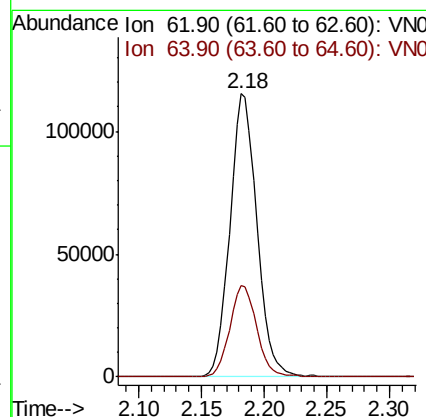
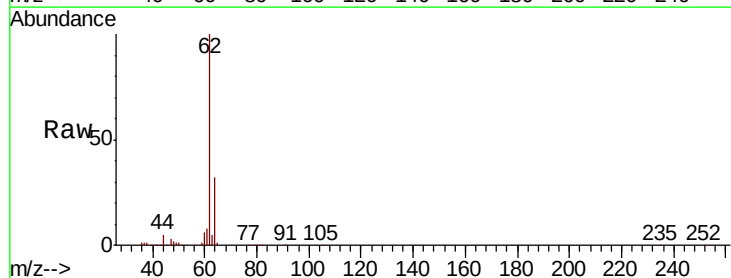
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

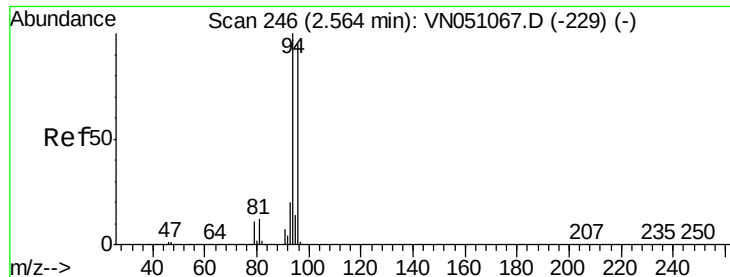
Tot Ion: 50 Resp: 169561
Ion Ratio Lower Upper
50 100
52 33.7 26.0 39.0



#4
Vinyl Chloride
Concen: 19.01 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 62 Resp: 171985
Ion Ratio Lower Upper
62 100
64 32.2 26.2 39.4





#5

Bromomethane

Concen: 19.44 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

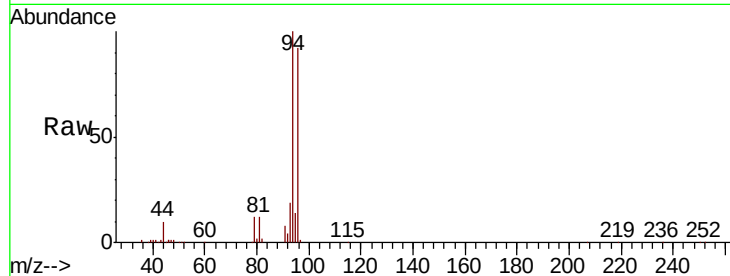
VN0910MBSD01

Tot Ion: 94 Resp: 102338

Ion Ratio Lower Upper

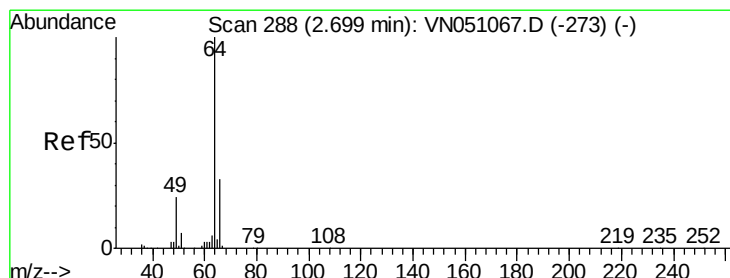
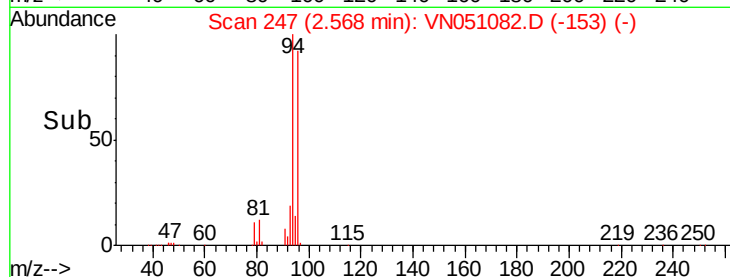
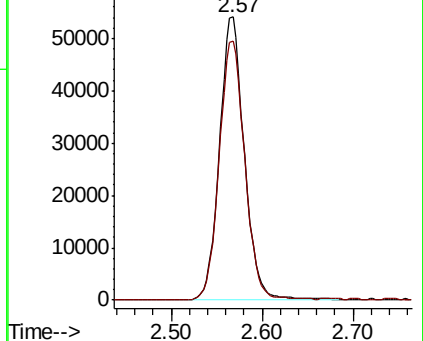
94 100

96 91.6 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.61 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051082.D

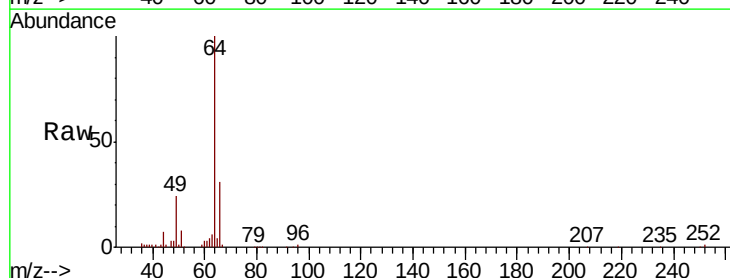
Acq: 10 Sep 2018 16:59

Tgt Ion: 64 Resp: 103956

Ion Ratio Lower Upper

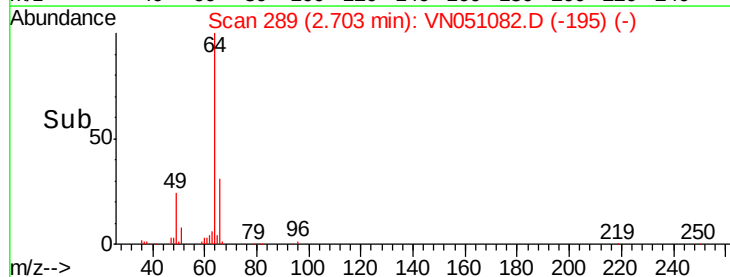
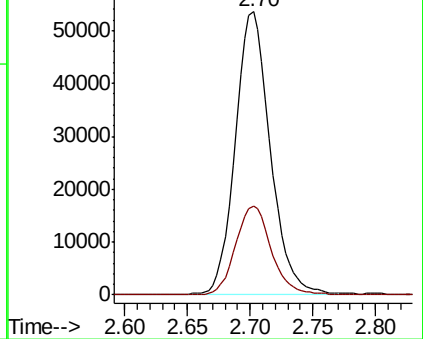
64 100

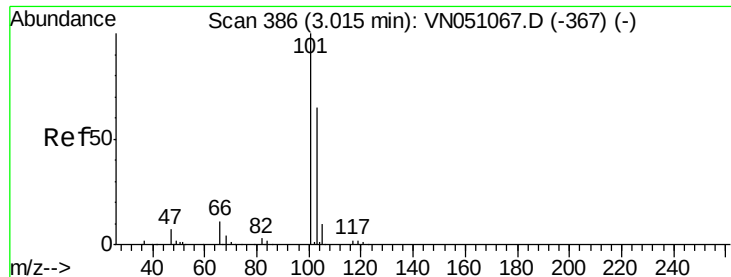
66 31.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.18 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

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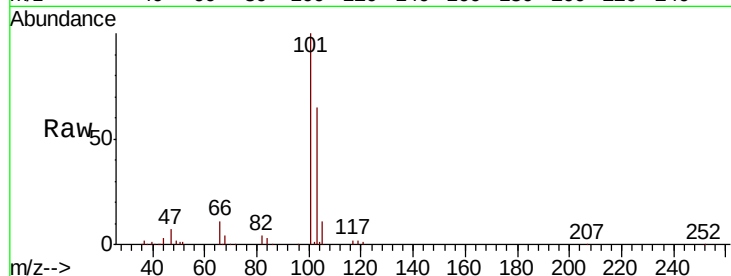
VN0910MBSD01

Tot Ion:101 Resp: 230024

Ion Ratio Lower Upper

101 100

103 65.1 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

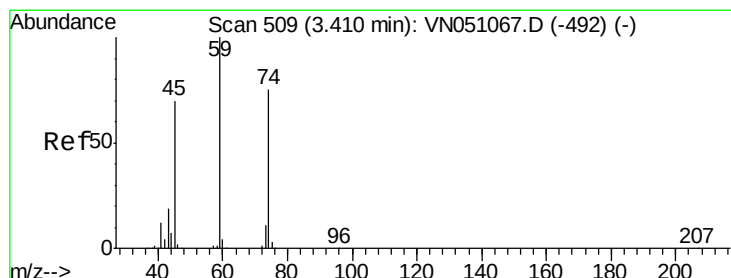
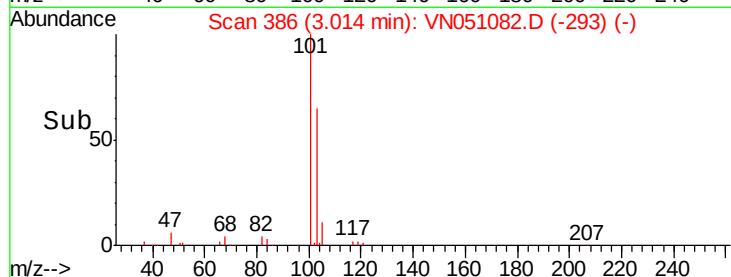
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 19.43 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051082.D

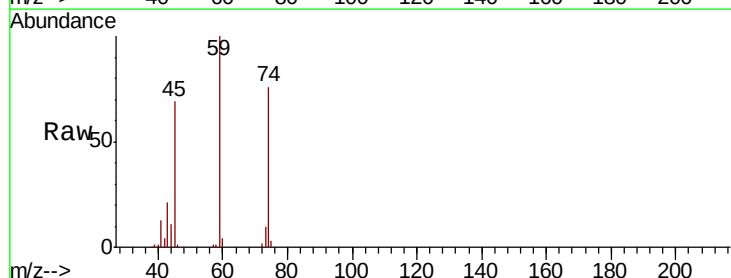
Acq: 10 Sep 2018 16:59

Tgt Ion: 74 Resp: 85693

Ion Ratio Lower Upper

74 100

45 92.7 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

40000

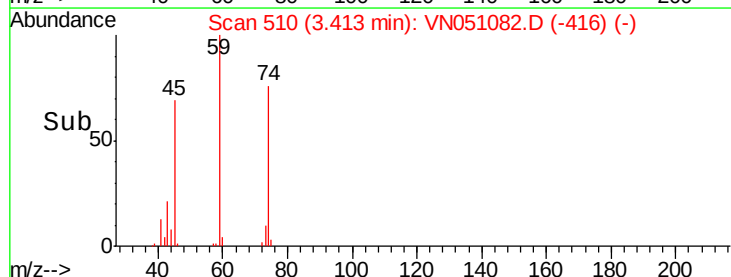
30000

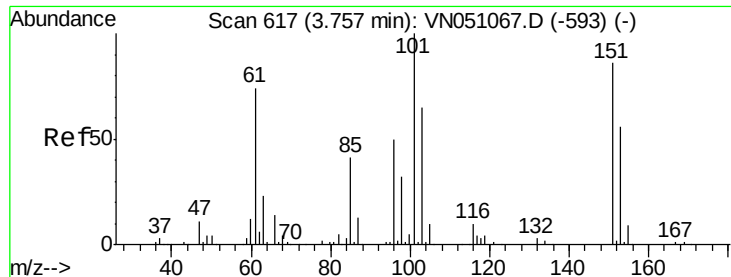
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.75 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

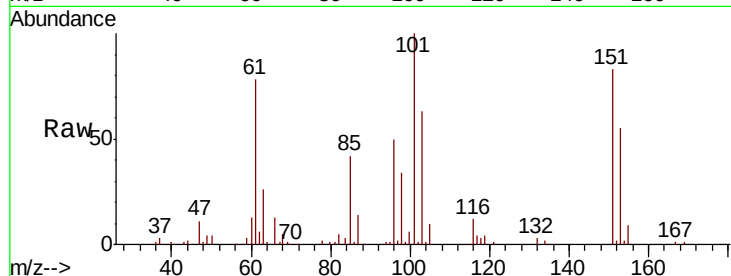
Tot Ion:101 Resp: 144919

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

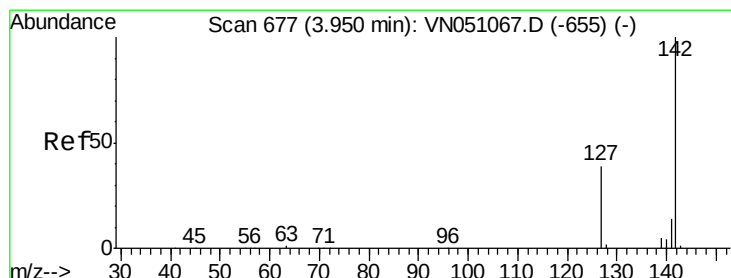
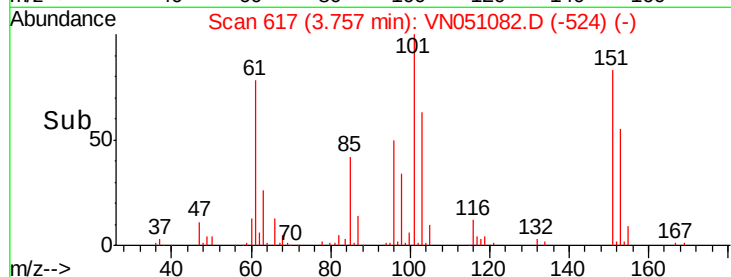
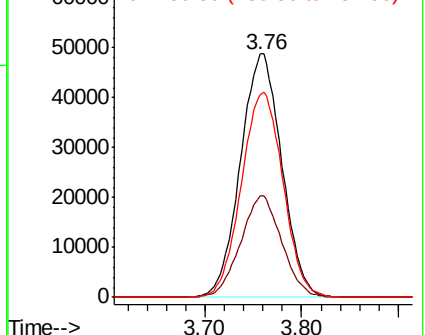
151 84.6 68.2 102.2



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: 20.30 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

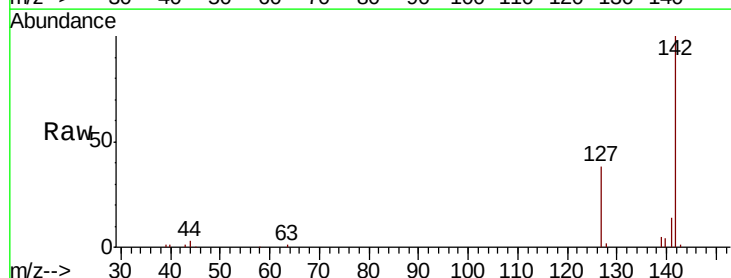
Tgt Ion:142 Resp: 119497

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.4

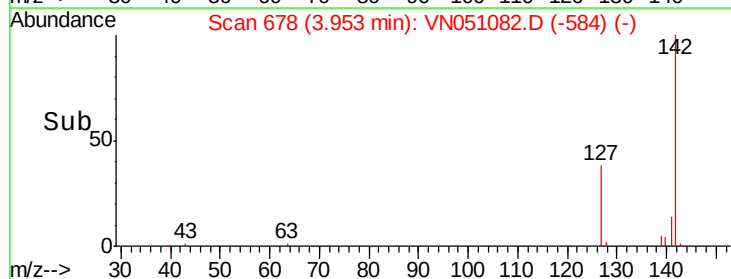
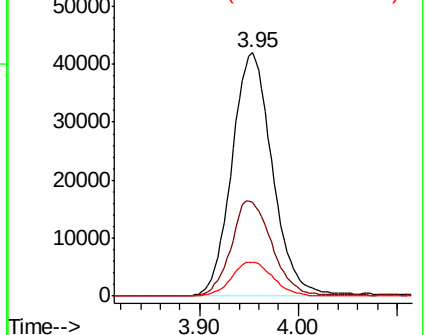
141 14.2 11.3 16.9

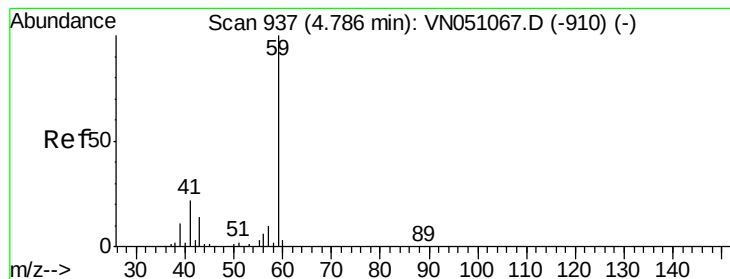


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.67 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

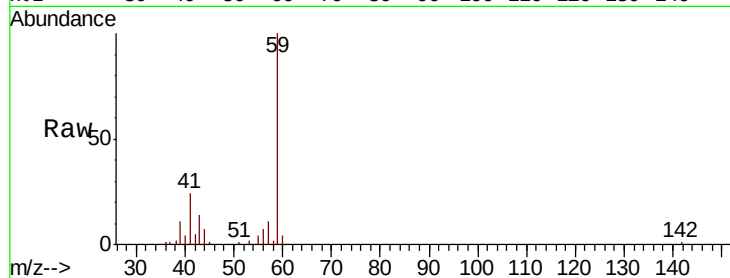
VN0910MBSD01

Tot Ion: 59 Resp: 54430

Ion Ratio Lower Upper

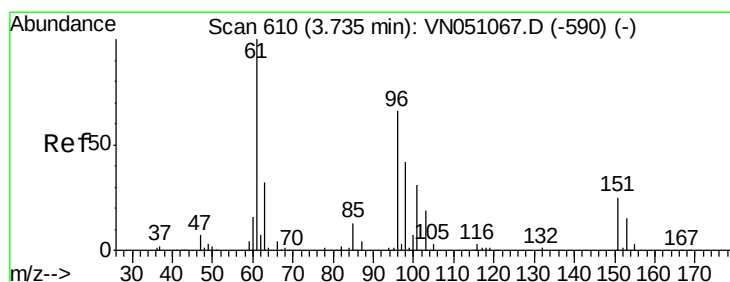
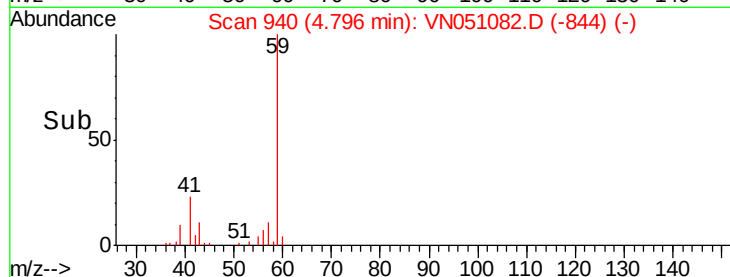
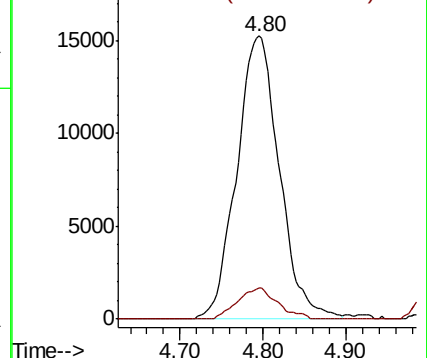
59 100

57 10.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.55 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

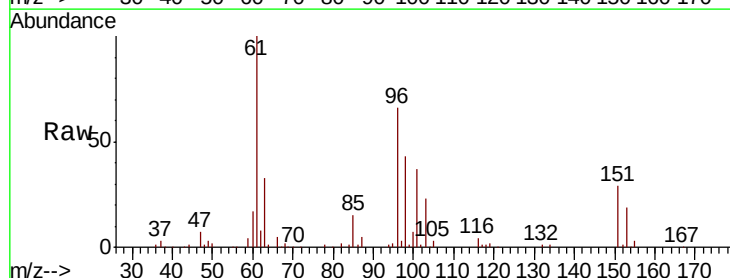
Tgt Ion: 96 Resp: 135230

Ion Ratio Lower Upper

96 100

61 150.5 120.3 180.5

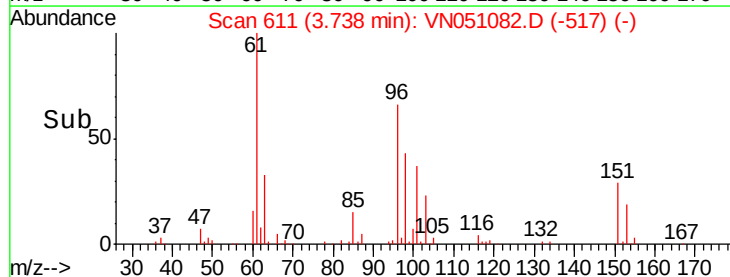
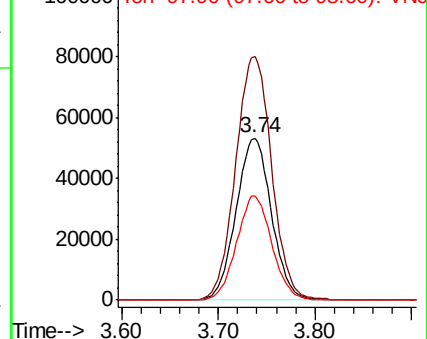
98 64.2 50.8 76.2

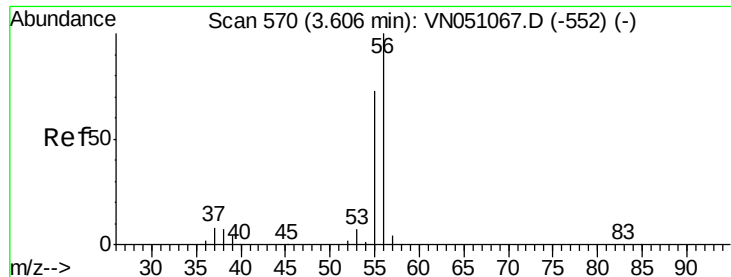


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 116.99 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

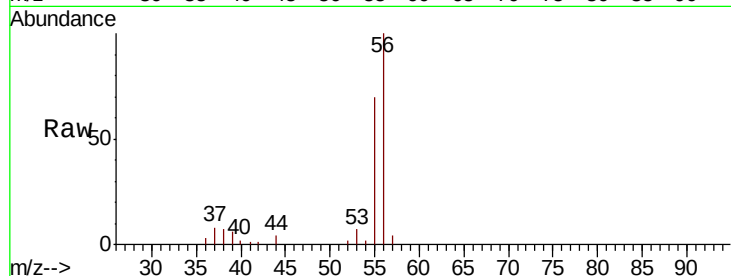
VN0910MBSD01

Tot Ion: 56 Resp: 72828

Ion Ratio Lower Upper

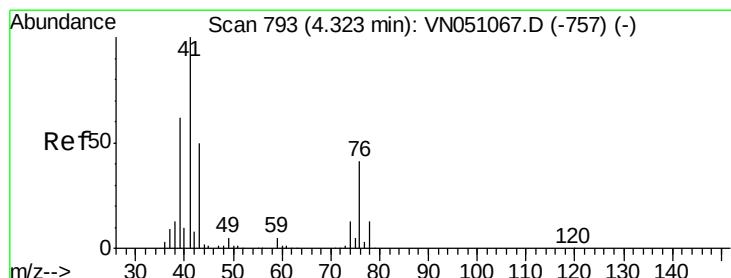
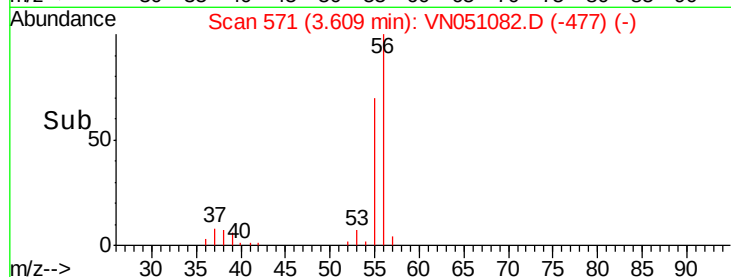
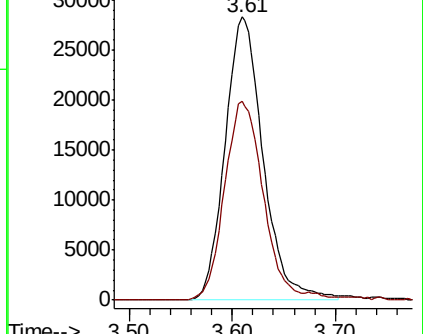
56 100

55 70.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.51 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

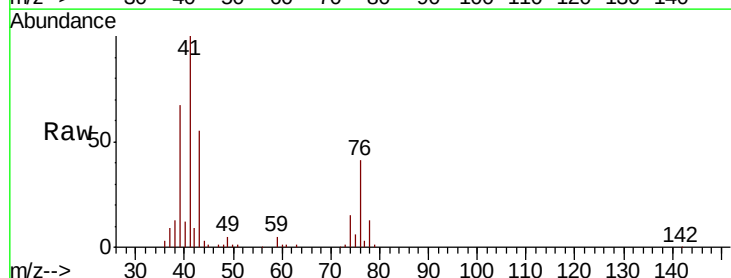
Tgt Ion: 41 Resp: 205596

Ion Ratio Lower Upper

41 100

39 61.9 48.8 73.2

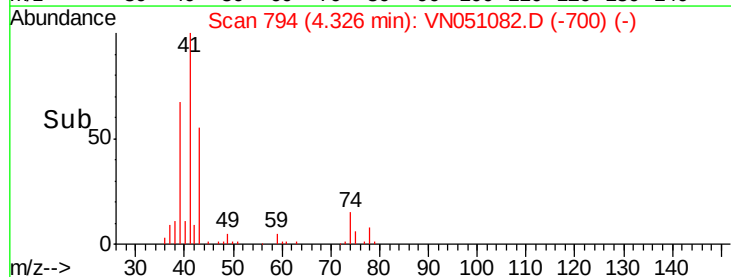
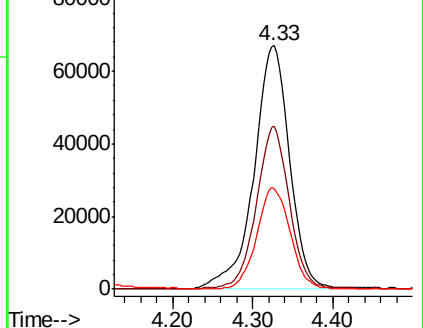
76 39.4 30.6 45.8

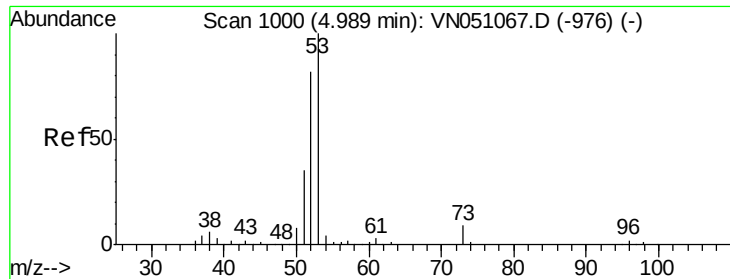


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

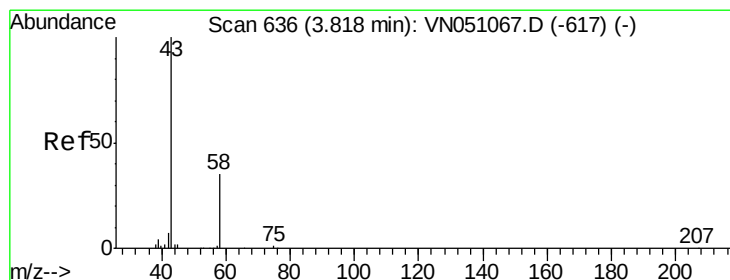
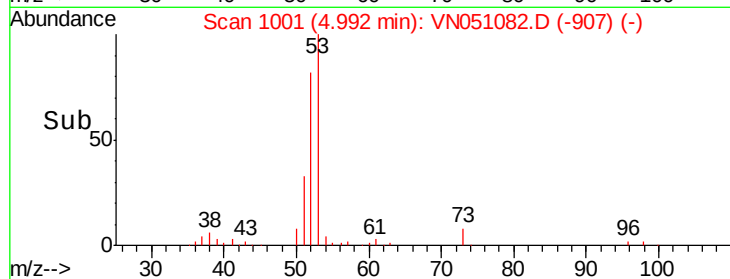
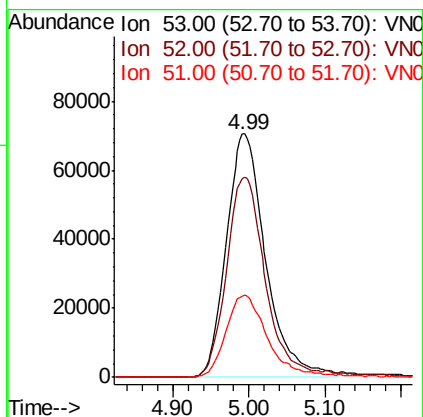
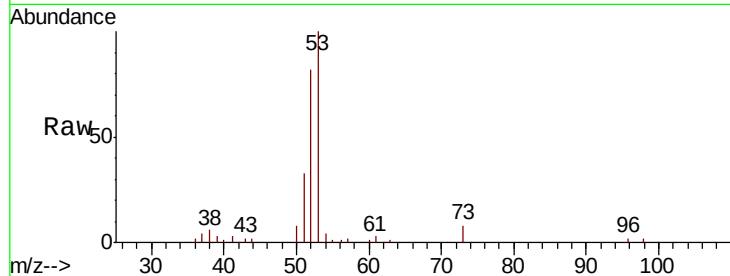




#15
 Acrylonitrile
 Concen: 98.50 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

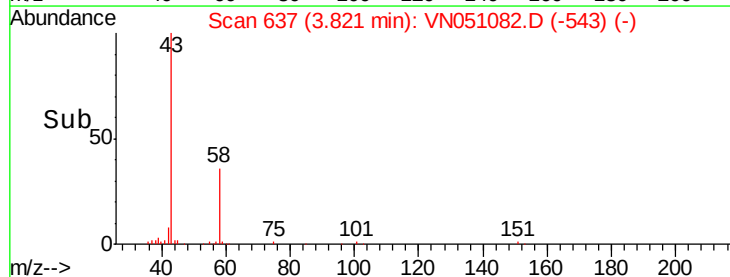
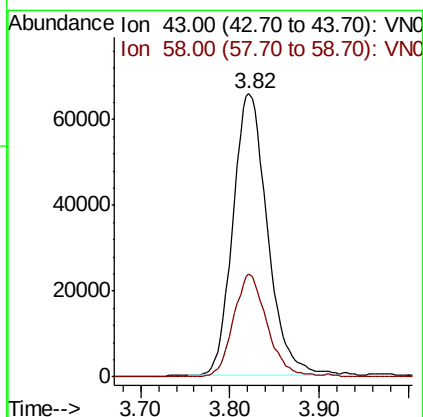
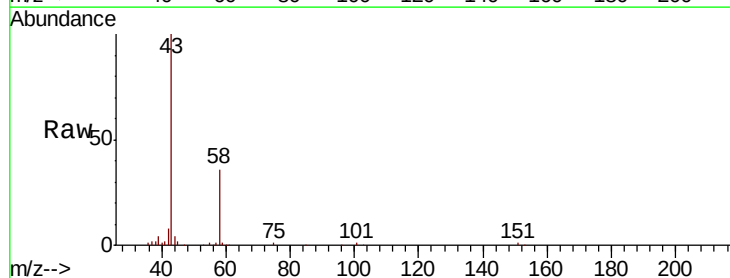
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

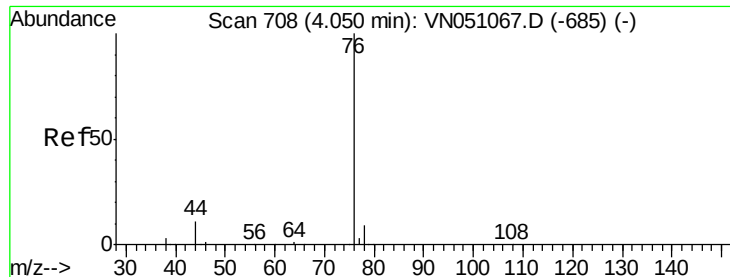
Tot Ion: 53 Resp: 253609
 Ion Ratio Lower Upper
 53 100
 52 80.7 65.3 97.9
 51 35.5 28.2 42.2



#16
 Acetone
 Concen: 90.55 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion: 43 Resp: 177328
 Ion Ratio Lower Upper
 43 100
 58 36.6 27.8 41.6

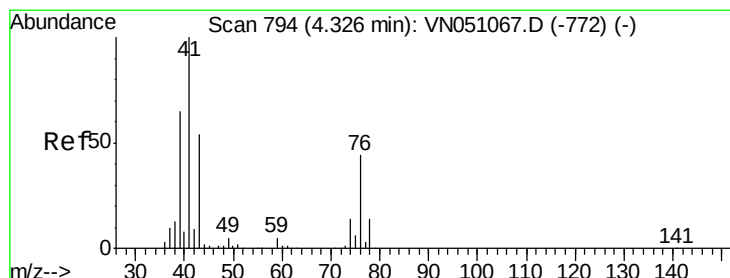
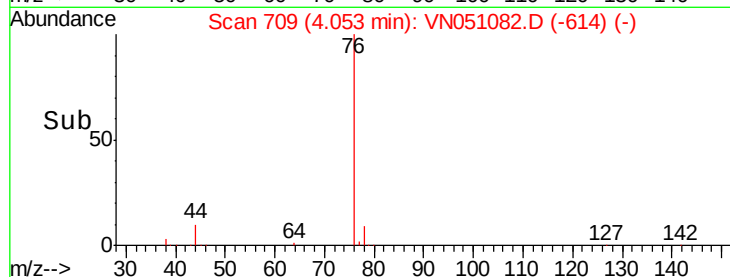
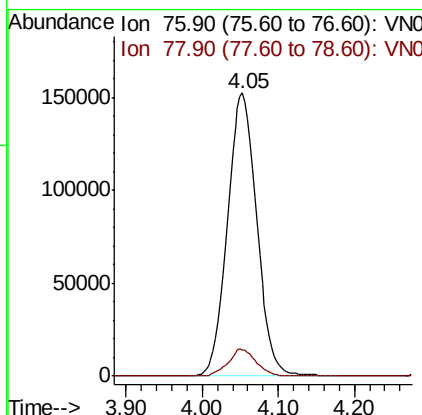
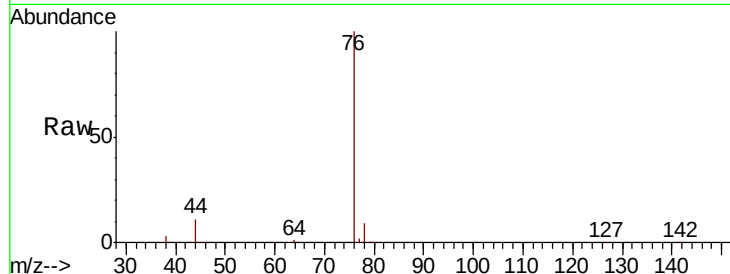




#17
Carbon Disulfide
Concen: 19.11 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

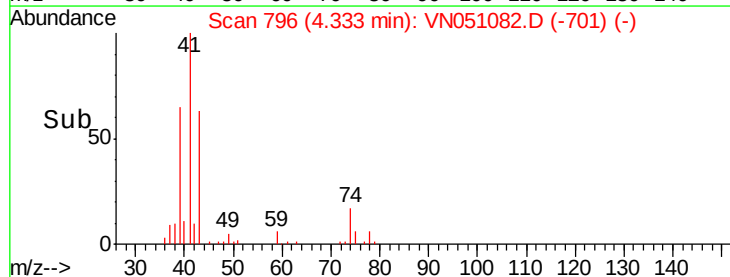
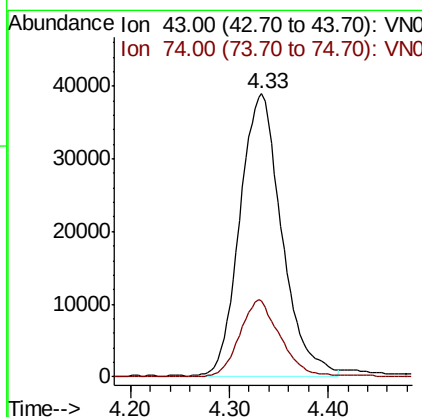
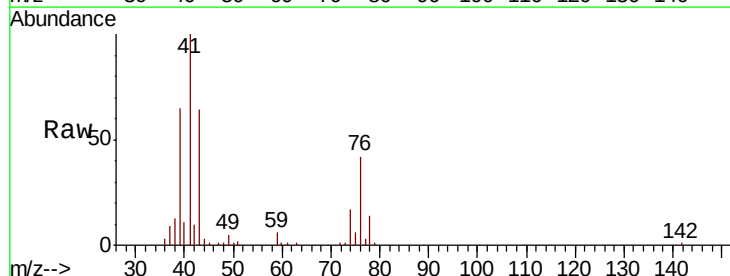
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

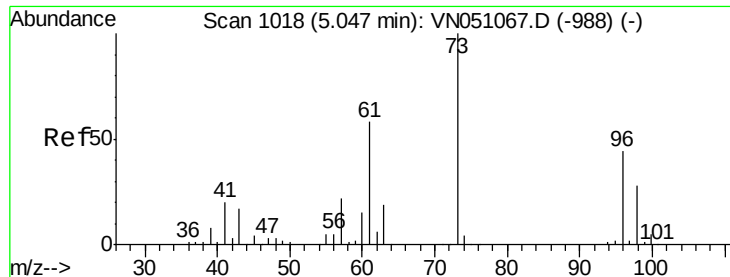
Tot Ion: 76 Resp: 409262
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 18.93 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 43 Resp: 115309
Ion Ratio Lower Upper
43 100
74 26.5 20.7 31.1

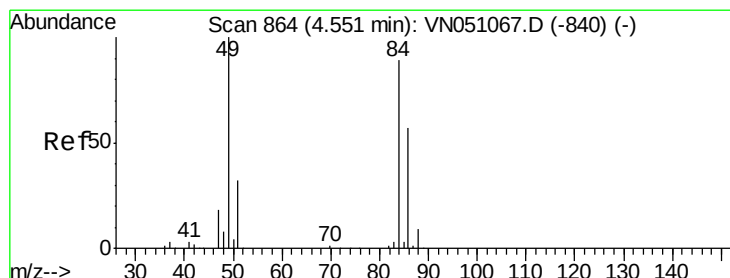
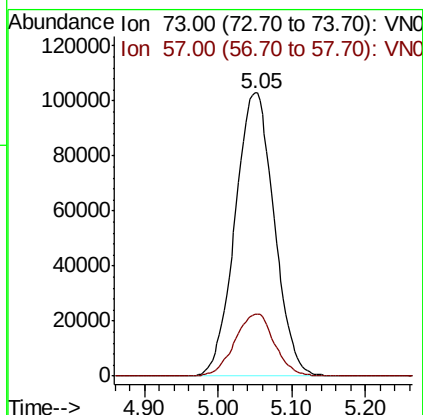
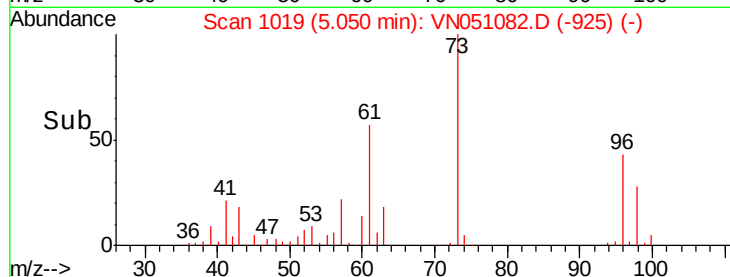
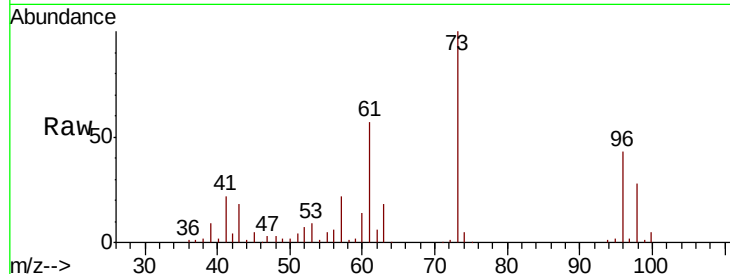




#19
Methyl tert-butyl Ether
Concen: 19.71 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

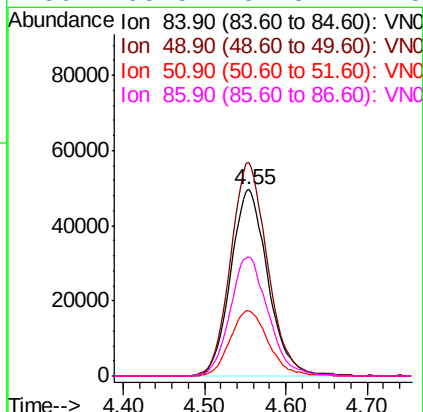
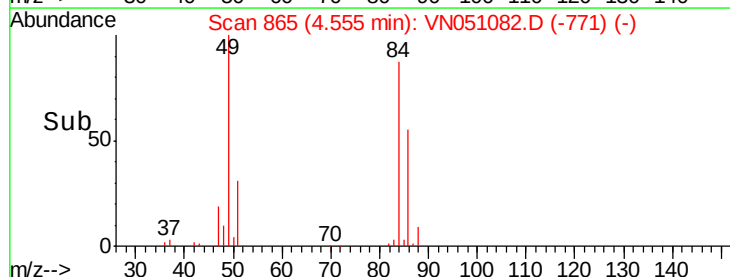
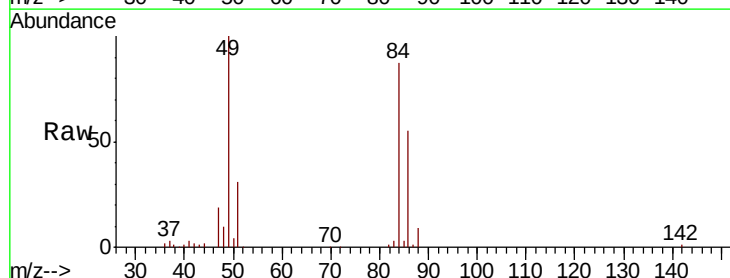
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

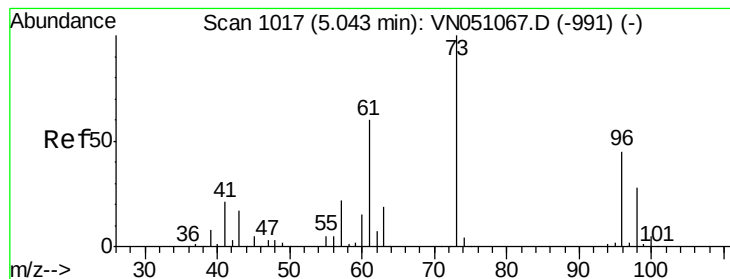
Tot Ion: 73 Resp: 379942
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 18.70 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 84 Resp: 157106
Ion Ratio Lower Upper
84 100
49 114.4 90.2 135.2
51 35.3 28.4 42.6
86 63.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 18.52 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

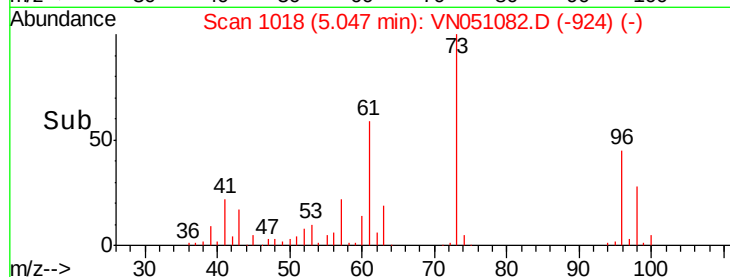
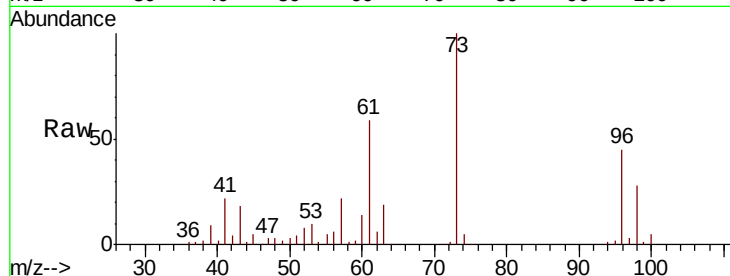
Tot Ion: 96 Resp: 146508

Ion Ratio Lower Upper

96 100

61 131.6 106.5 159.7

98 63.5 50.4 75.6

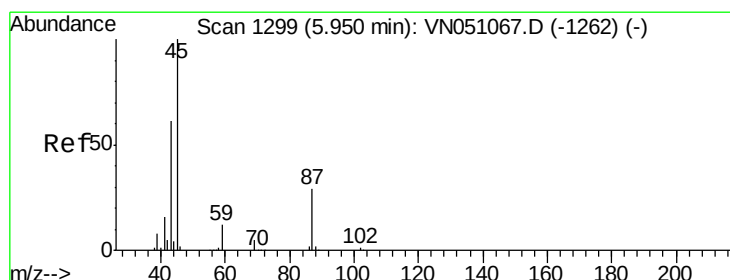
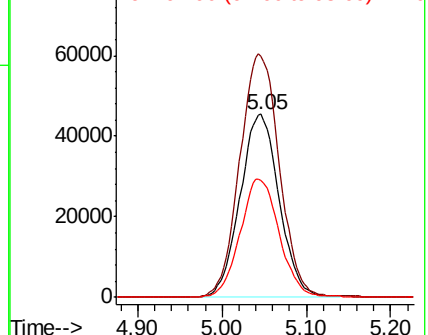


Abundance

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: 20.38 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Tgt Ion: 45 Resp: 449410

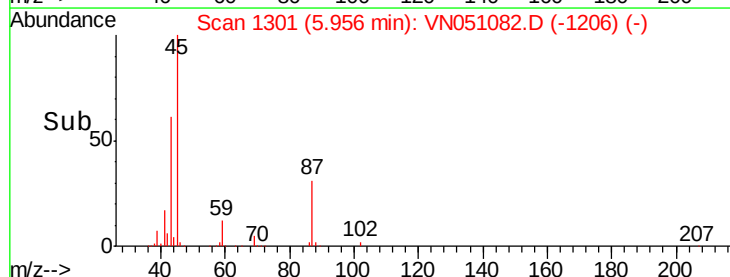
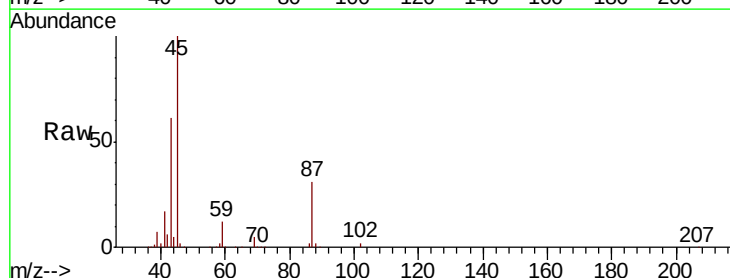
Ion Ratio Lower Upper

45 100

43 58.4 48.8 73.2

87 30.8 23.8 35.8

59 12.1 9.6 14.4



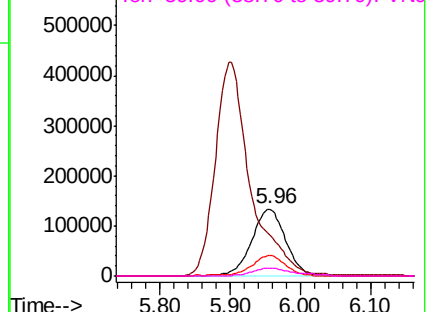
Abundance

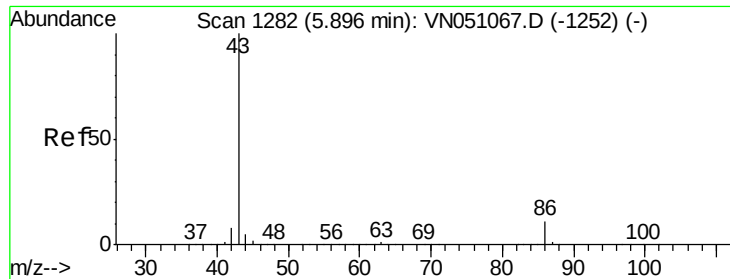
Ion 45.00 (44.70 to 45.70): VN0

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: 99.80 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

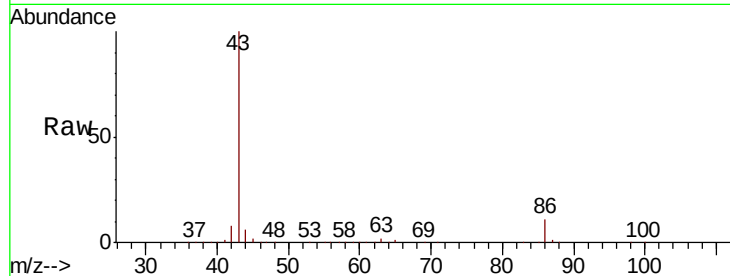
VN0910MBSD01

Tot Ion: 43 Resp: 1489366

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN051067.D (-1252) (-)

5.90

400000

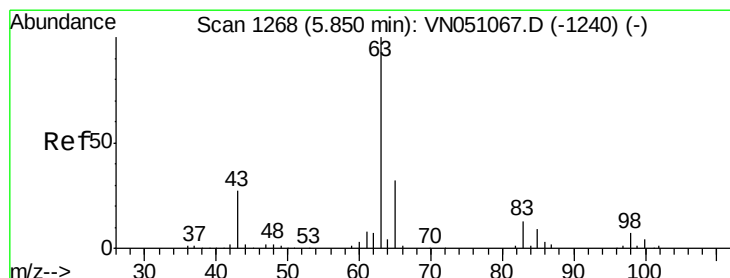
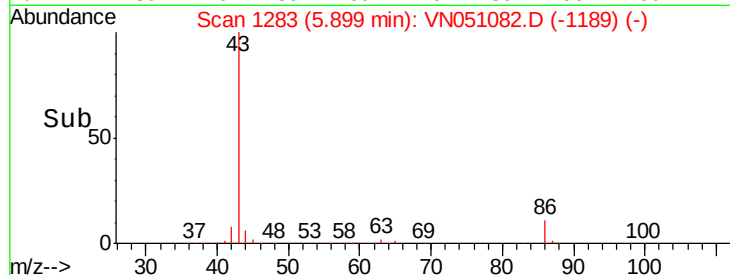
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.22 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

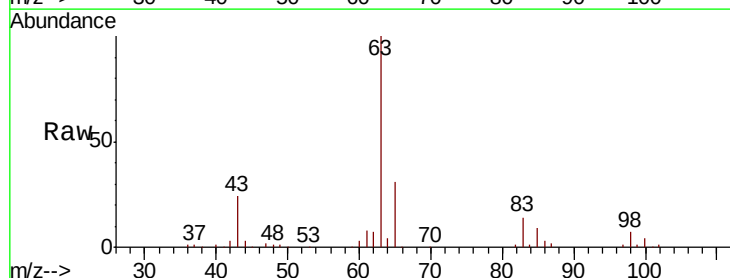
Tgt Ion: 63 Resp: 268881

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN051067.D (-1240) (-)

5.85

100000

80000

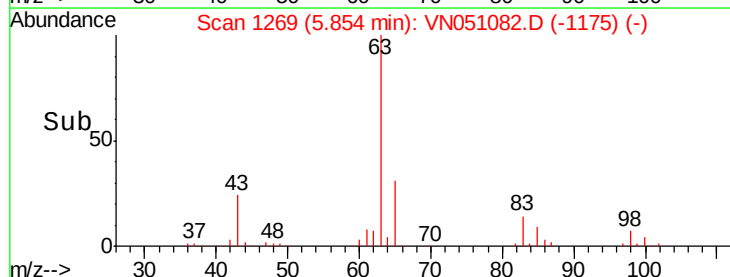
60000

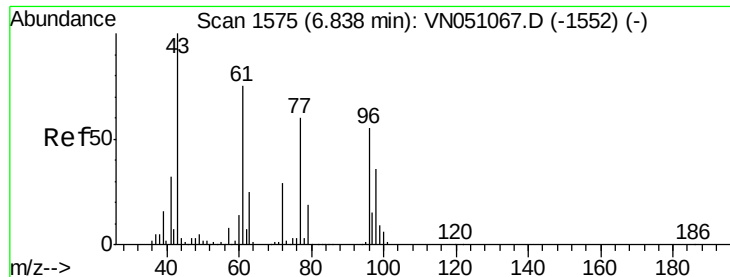
40000

20000

0

Time-->





#25

2-Butanone

Concen: 93.00 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

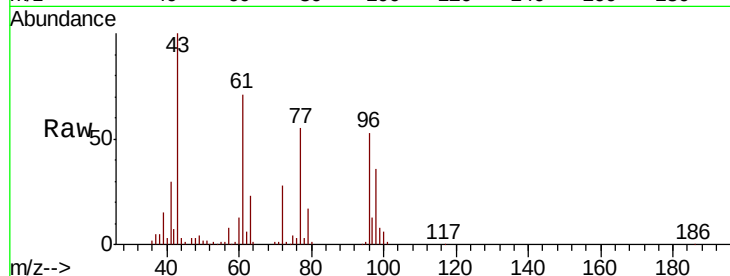
VN0910MBSD01

Tot Ion: 43 Resp: 278166

Ion Ratio Lower Upper

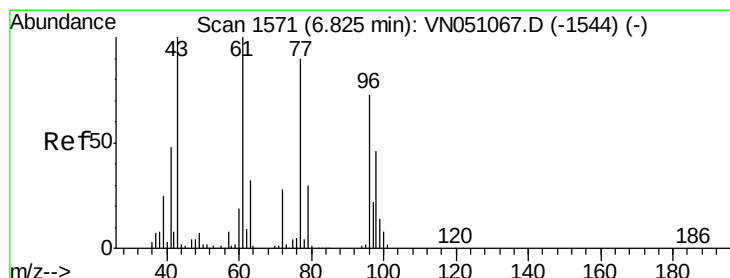
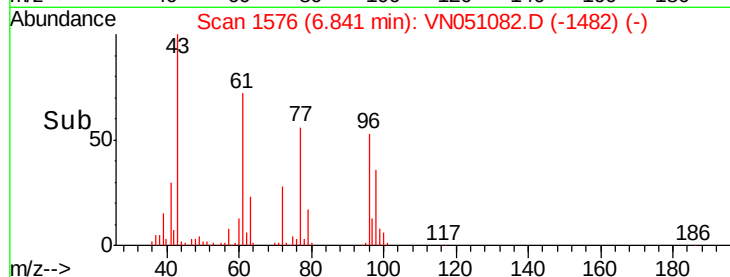
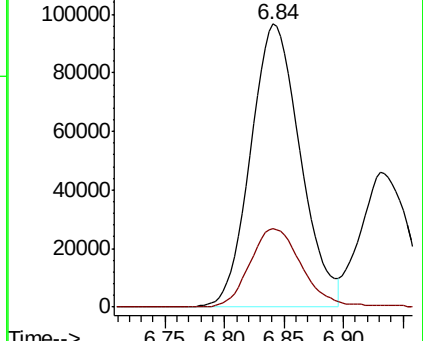
43 100

72 27.7 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.80 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051082.D

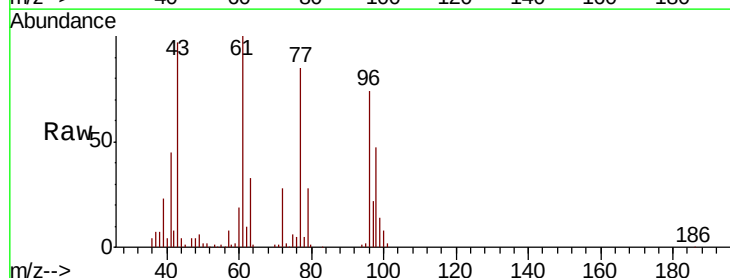
Acq: 10 Sep 2018 16:59

Tgt Ion: 77 Resp: 203845

Ion Ratio Lower Upper

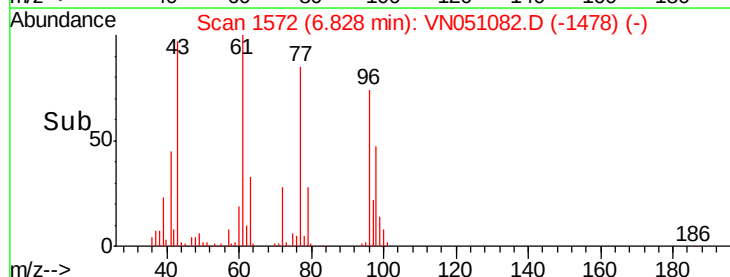
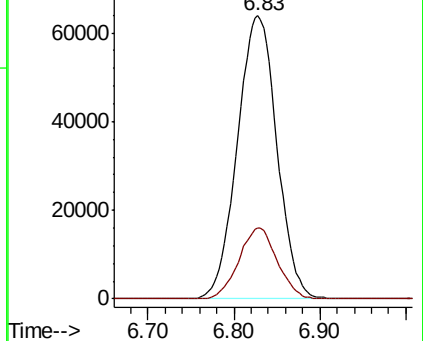
77 100

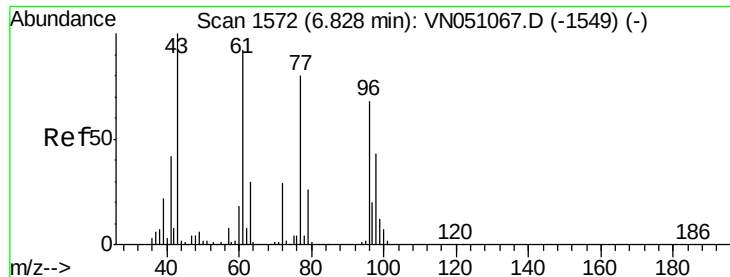
97 24.2 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.07 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

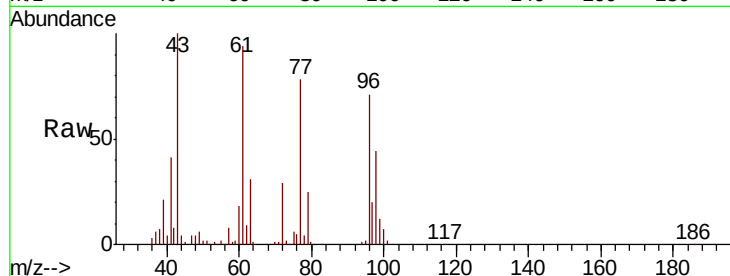
Tot Ion: 96 Resp: 165500

Ion Ratio Lower Upper

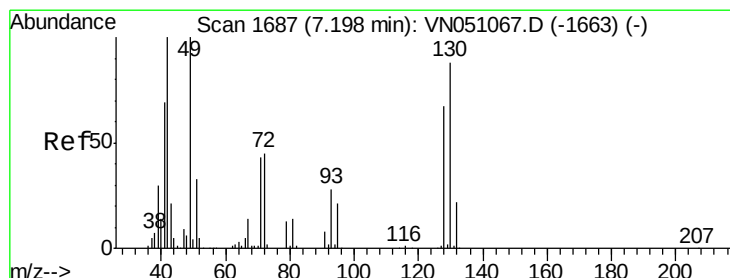
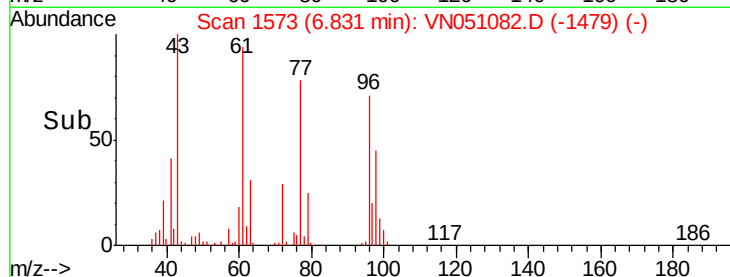
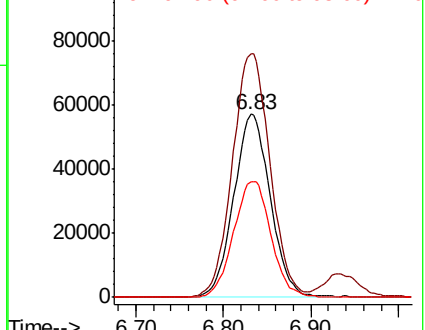
96 100

61 136.9 0.0 278.2

98 64.6 0.0 129.4



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: 19.24 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

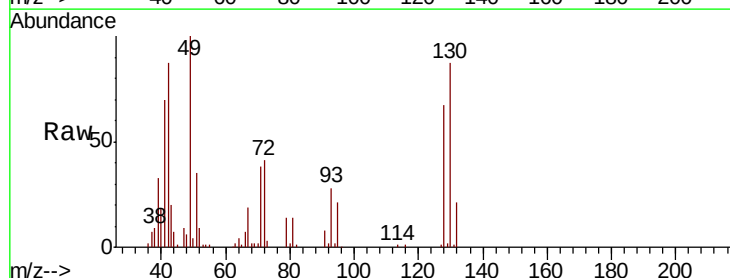
Tgt Ion: 49 Resp: 119847

Ion Ratio Lower Upper

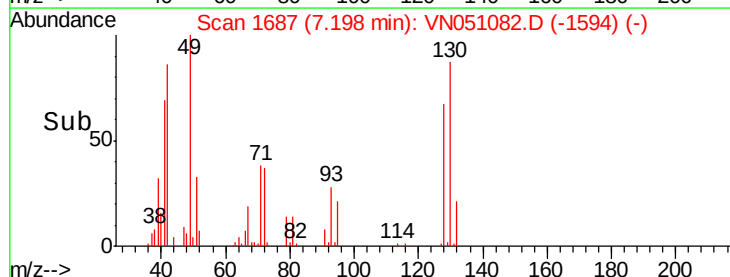
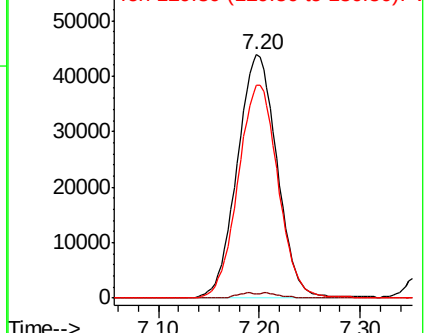
49 100

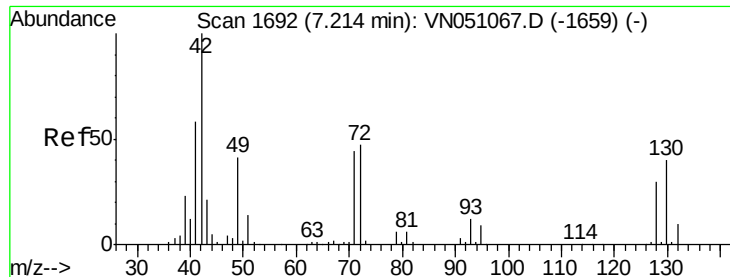
129 1.0 0.0 4.4

130 88.3 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.59 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

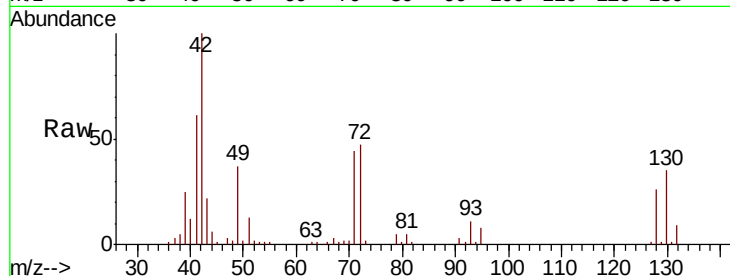
Tot Ion: 42 Resp: 189741

Ion Ratio Lower Upper

42 100

72 47.5 37.4 56.0

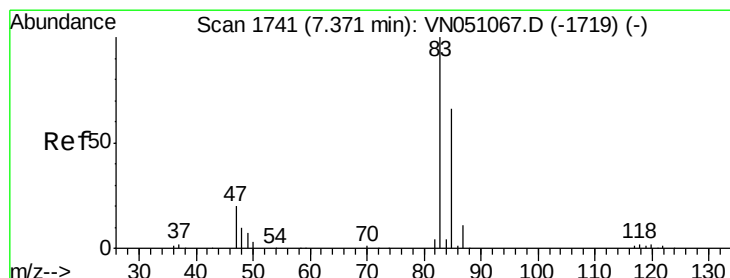
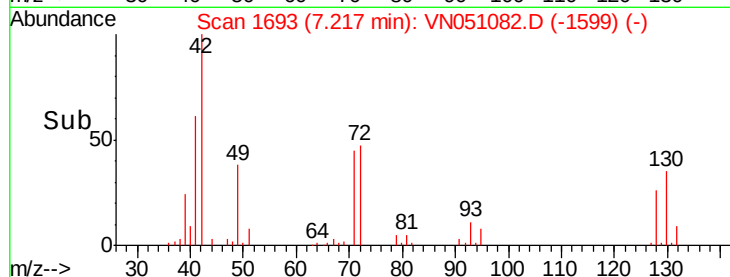
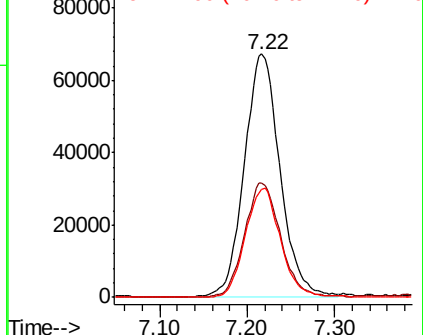
71 44.2 34.7 52.1



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: 19.23 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051082.D

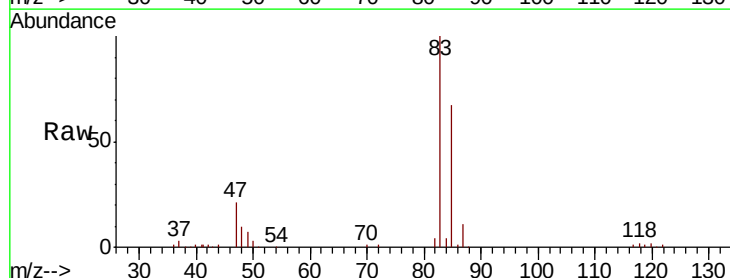
Acq: 10 Sep 2018 16:59

Tgt Ion: 83 Resp: 267677

Ion Ratio Lower Upper

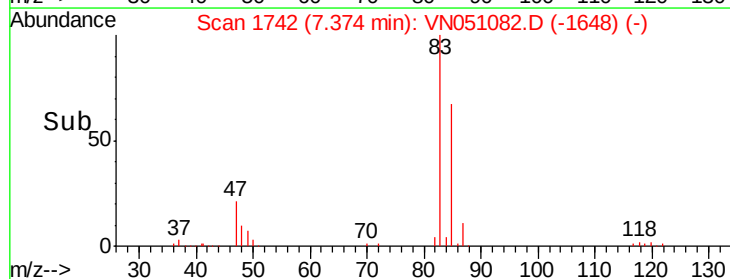
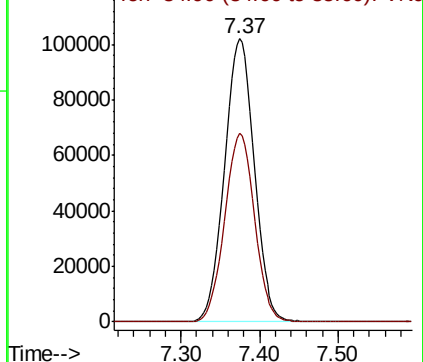
83 100

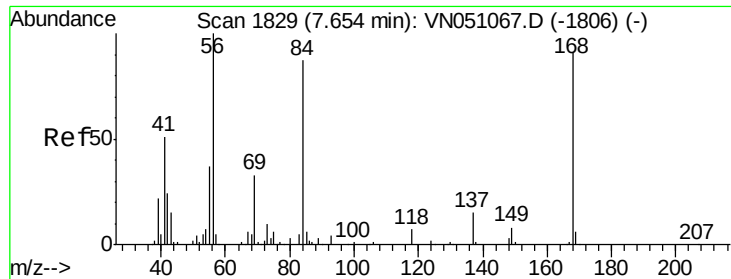
85 66.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

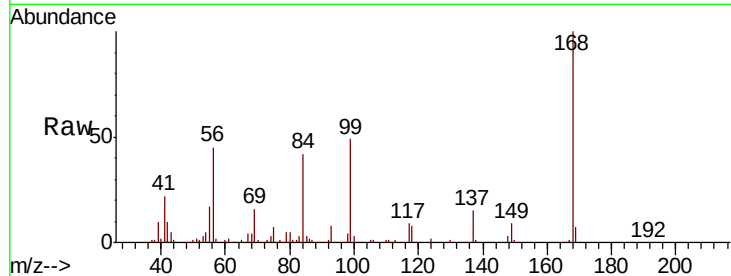




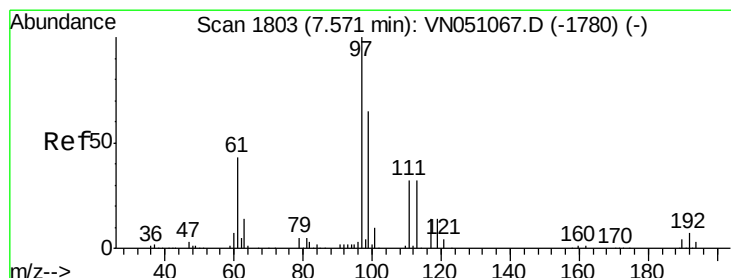
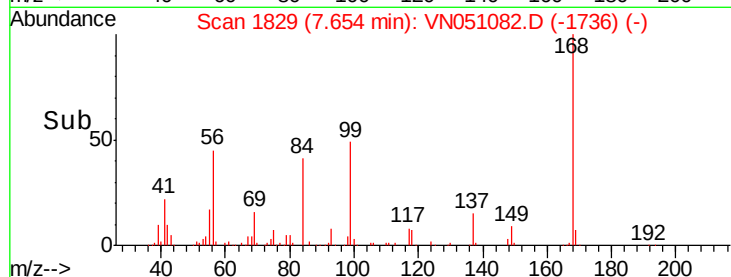
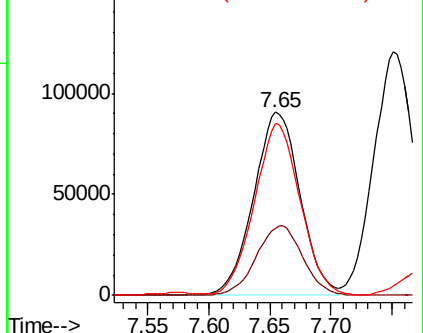
#31
Cyclohexane
Concen: 19.10 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	26.3	39.5
84	92.4	69.4	104.0

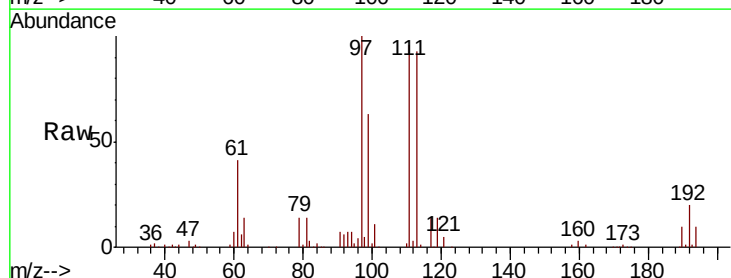


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

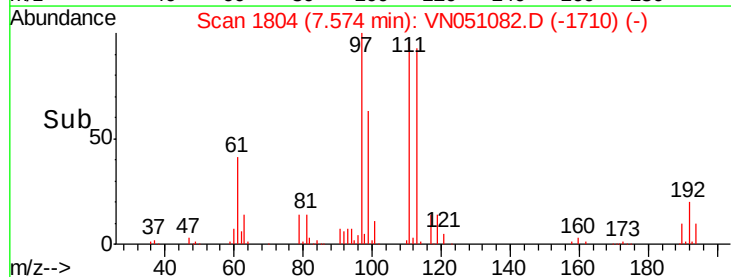
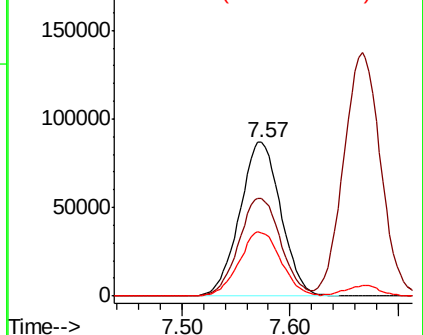


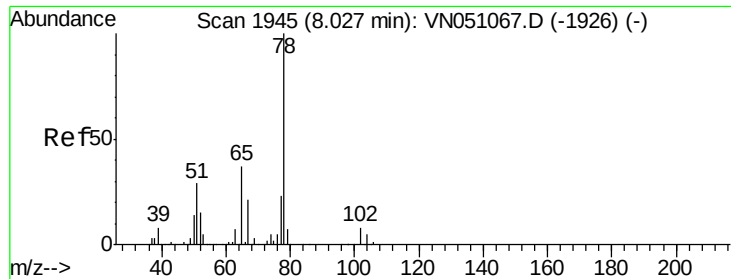
#32
1,1,1-Trichloroethane
Concen: 19.43 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	42.2	33.8	50.6



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

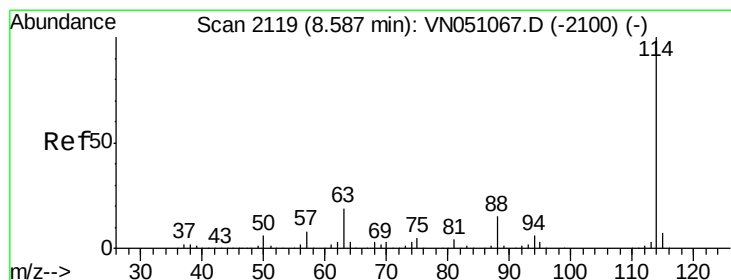
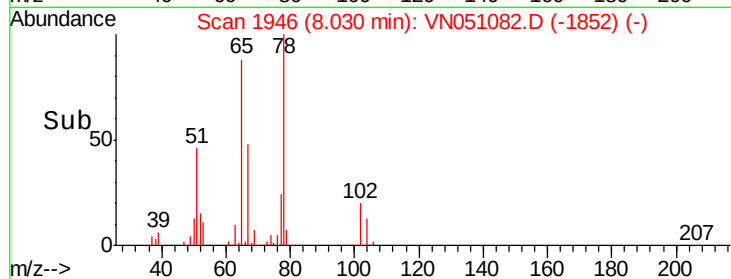
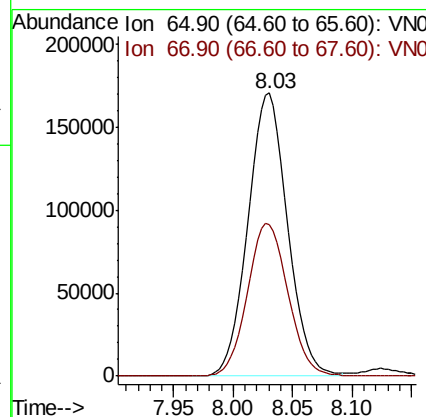
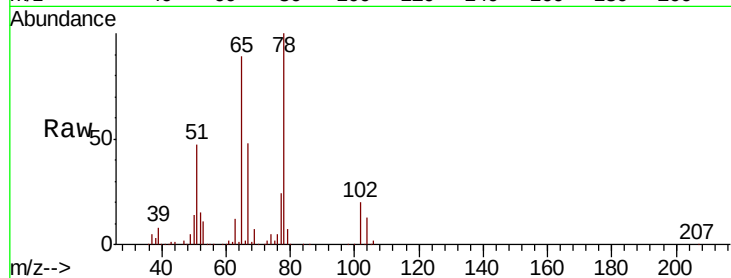




#33
 1,2-Dichloroethane-d4
 Concen: 51.62 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

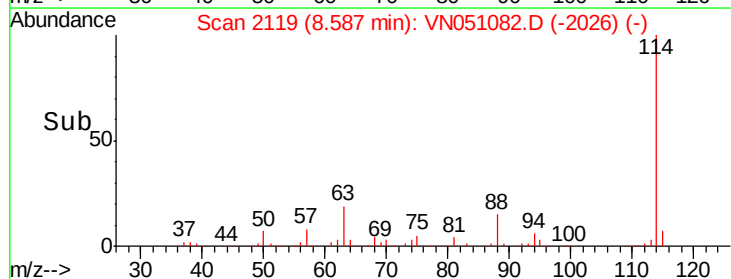
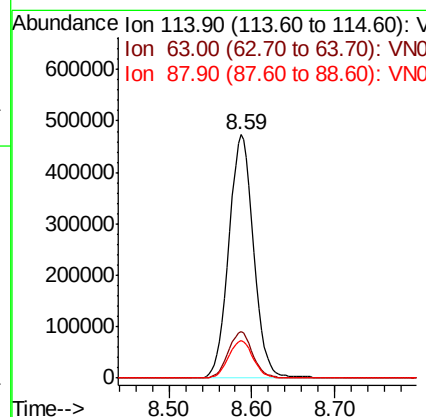
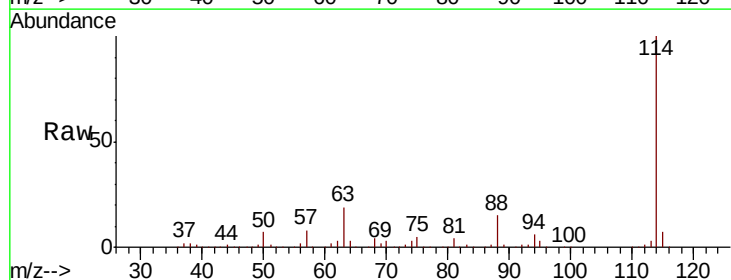
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

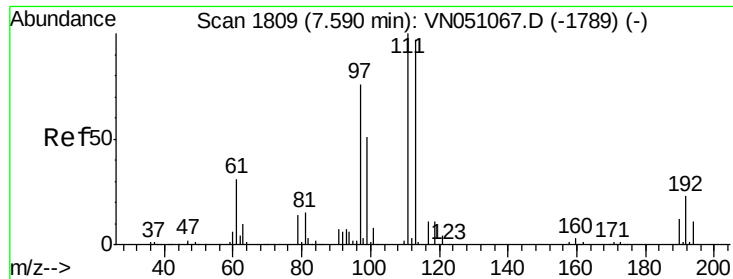
Tot Ion: 65 Resp: 392657
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion: 114 Resp: 979890
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 15.4 0.0 30.8

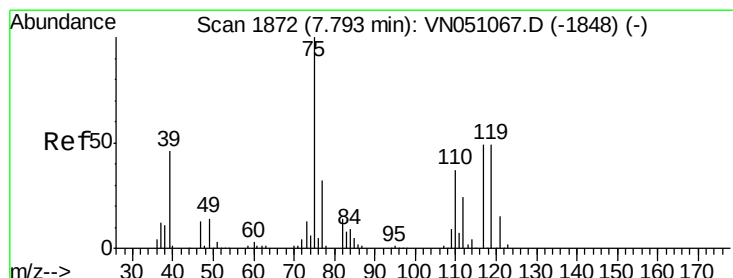
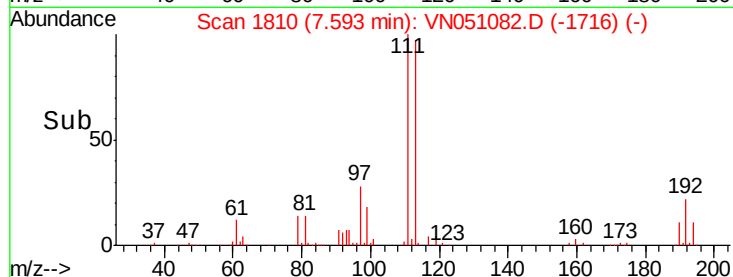
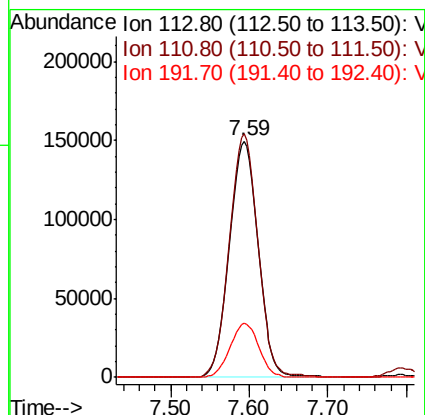
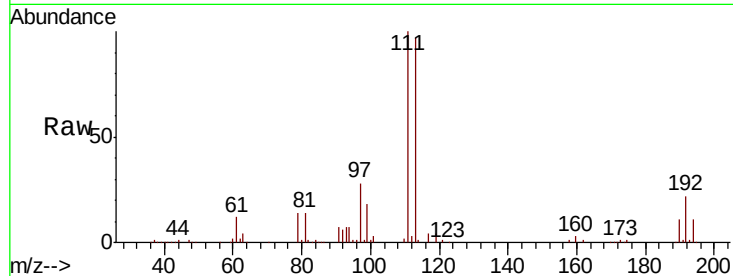




#35
 Dibromofluoromethane
 Concen: 51.68 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

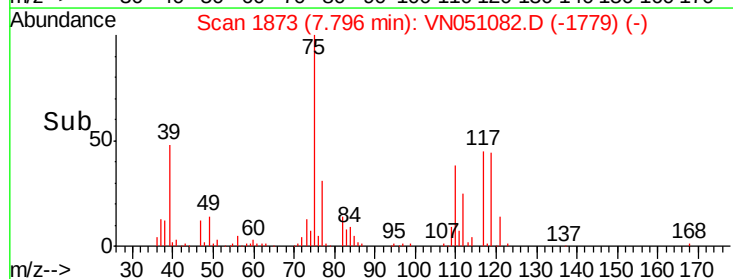
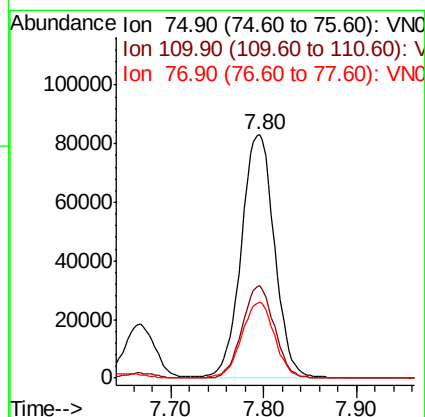
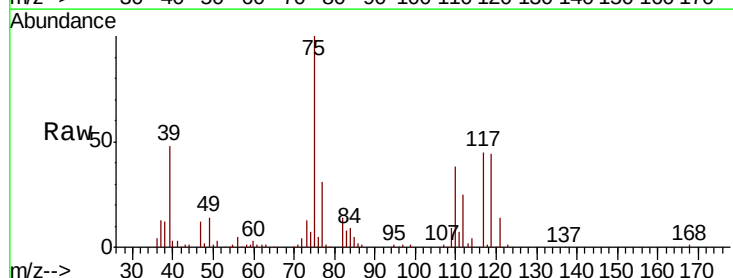
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

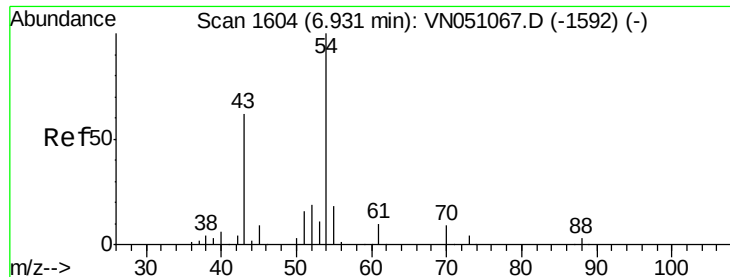
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.6
192	22.9	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 19.12 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.6	55.8
77	31.1	25.2	37.8

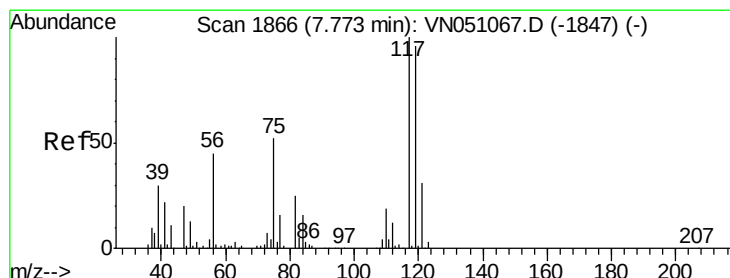
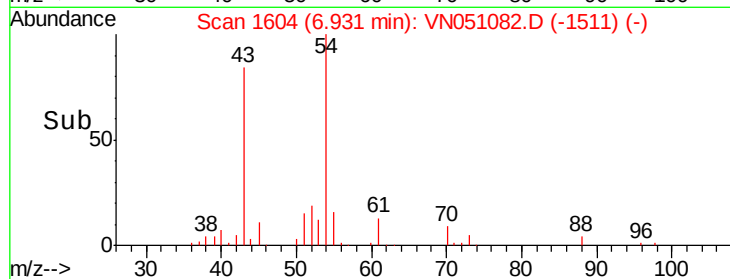
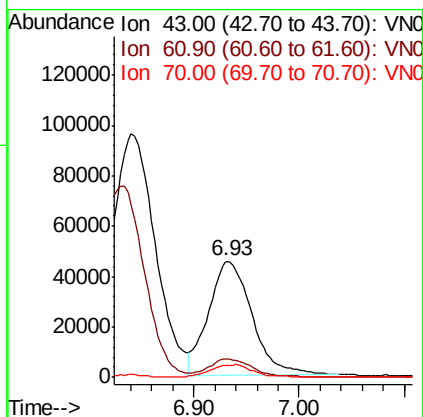
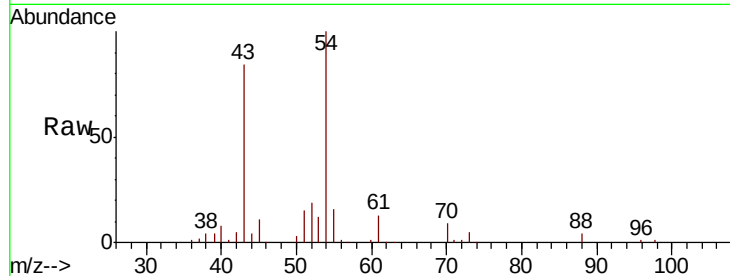




#37
Ethyl Acetate
Concen: 20.89 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

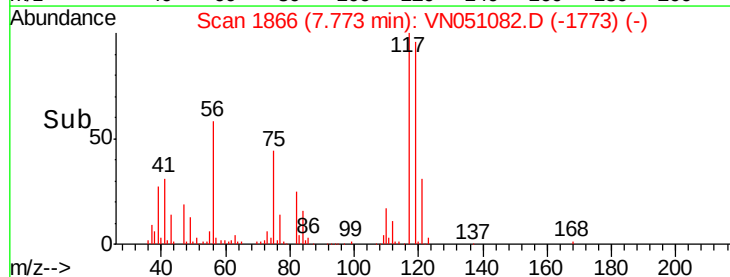
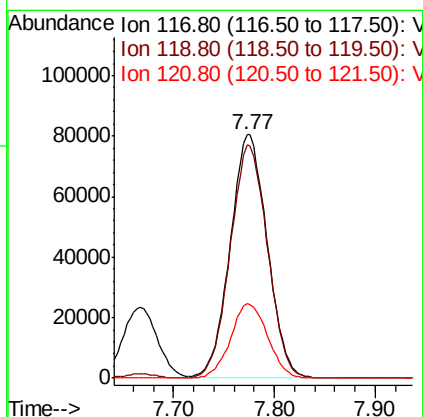
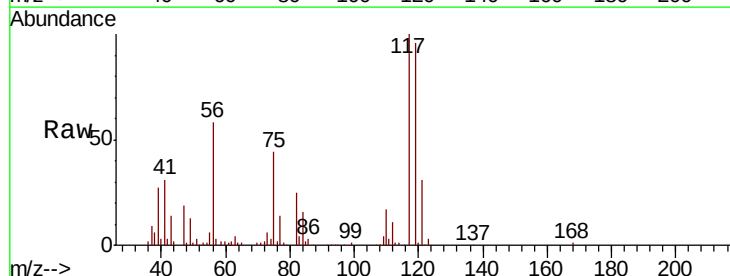
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

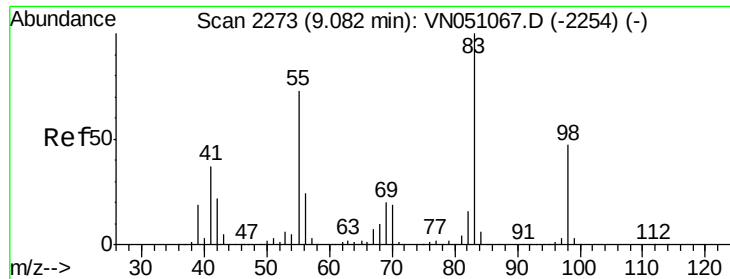
Tot Ion: 43 Resp: 130178
Ion Ratio Lower Upper
43 100
61 15.9 12.4 18.6
70 11.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.43 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 117 Resp: 205710
Ion Ratio Lower Upper
117 100
119 95.9 76.8 115.2
121 30.5 24.6 36.8

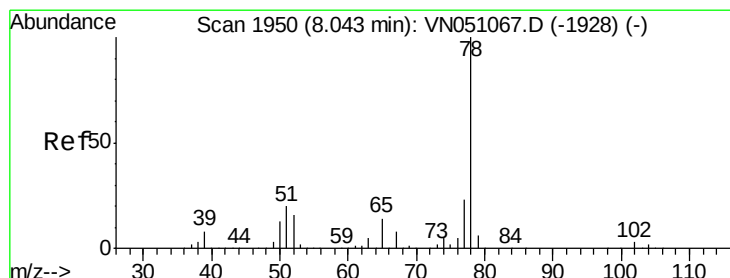
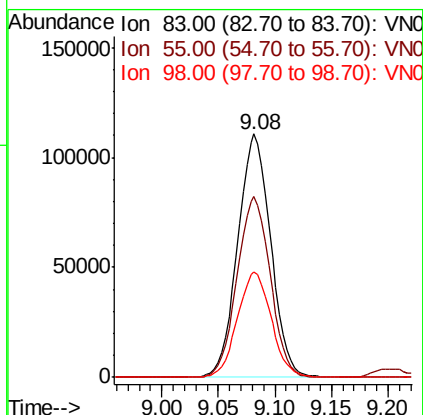
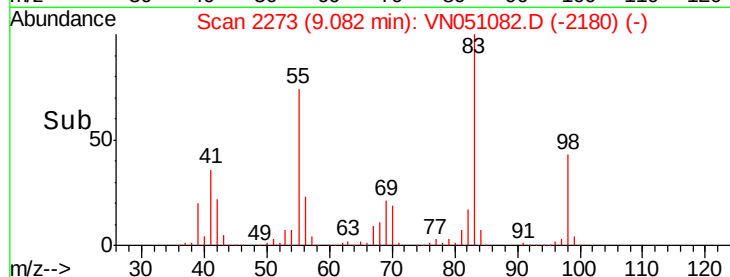
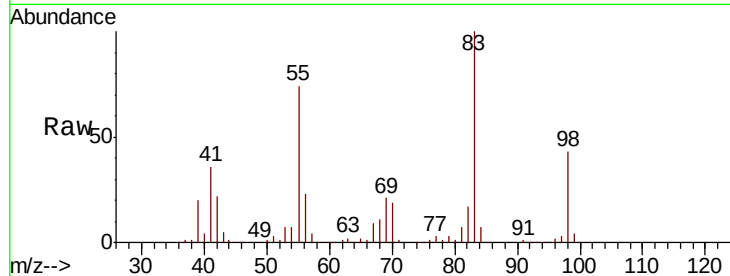




#39
Methylvlcyclohexane
Concen: 19.00 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

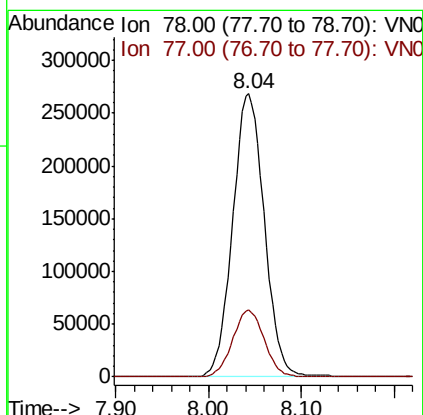
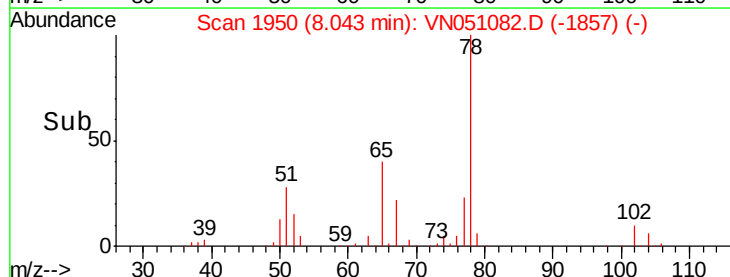
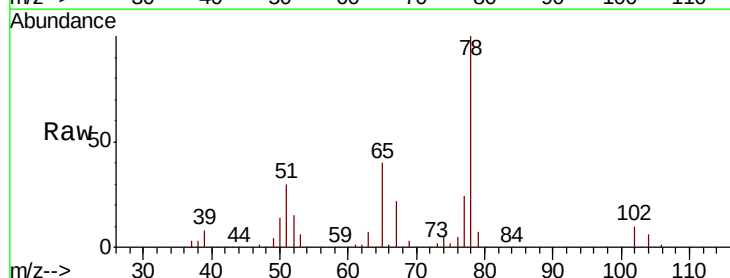
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

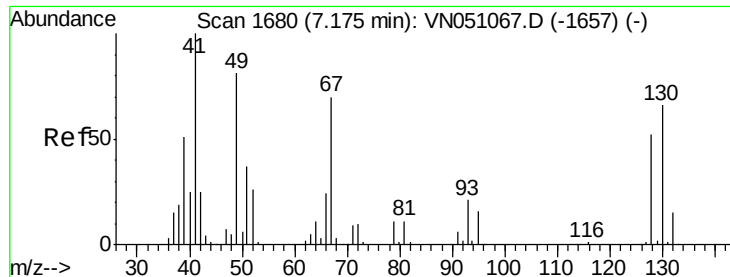
Tot Ion: 83 Resp: 225582
Ion Ratio Lower Upper
83 100
55 74.1 58.4 87.6
98 43.4 37.3 55.9



#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 78 Resp: 636479
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 56.21 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

Tot Ion: 41 Resp: 180716

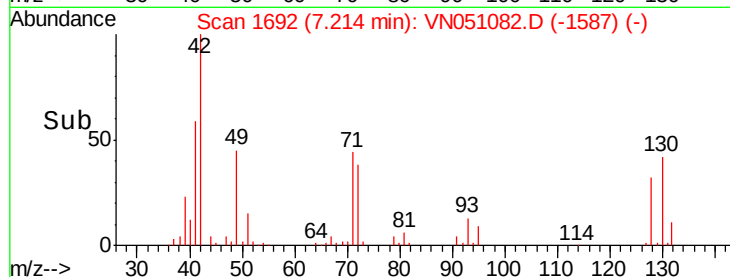
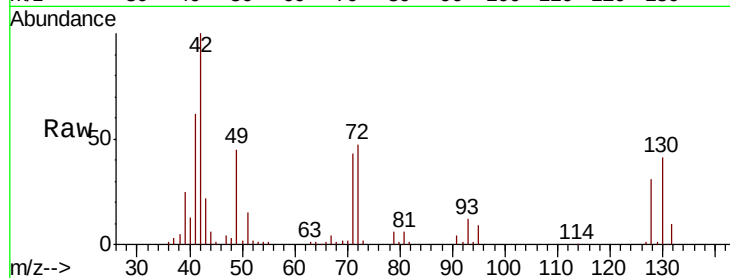
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.5 117.7#

52 0.0 29.0 43.6#

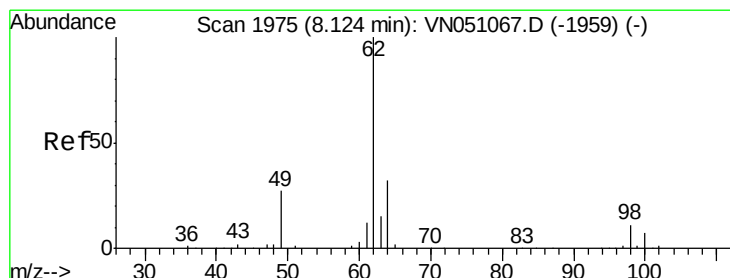
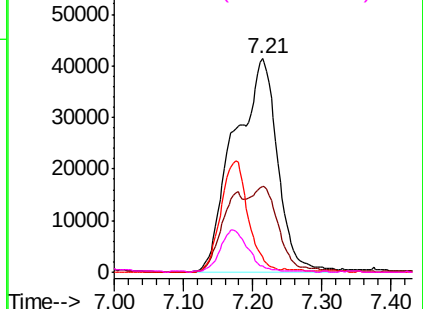


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.76 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051082.D

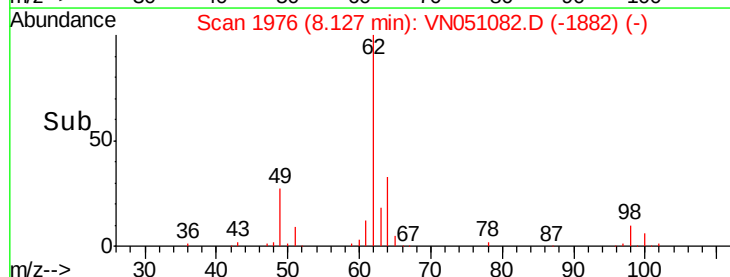
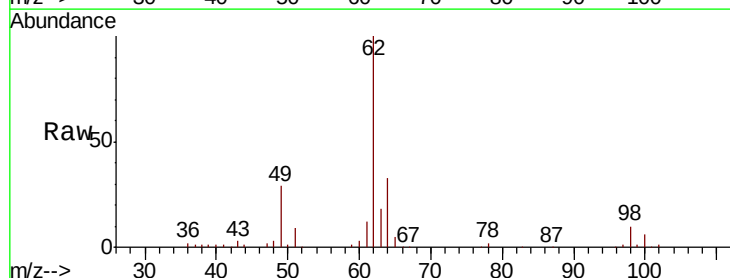
Acq: 10 Sep 2018 16:59

Tgt Ion: 62 Resp: 186689

Ion Ratio Lower Upper

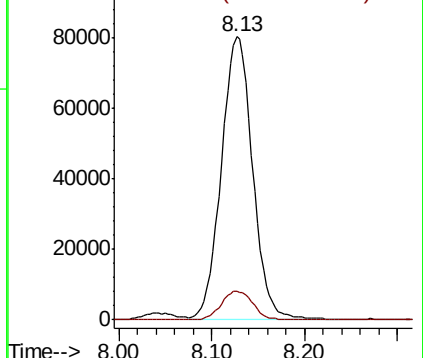
62 100

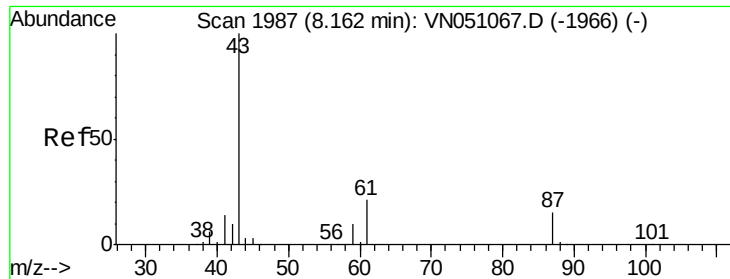
98 10.3 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.09 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

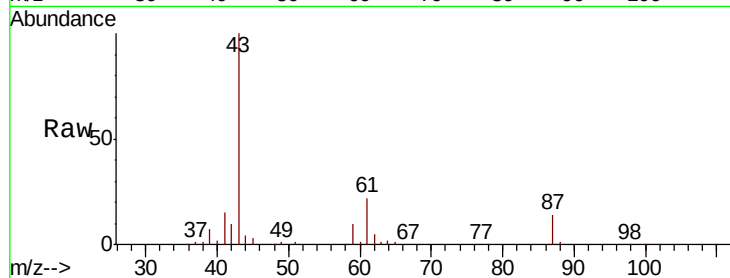
Tot Ion: 43 Resp: 220845

Ion Ratio Lower Upper

43 100

61 30.8 25.0 37.6

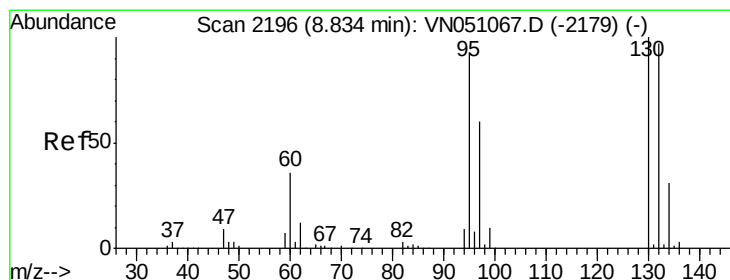
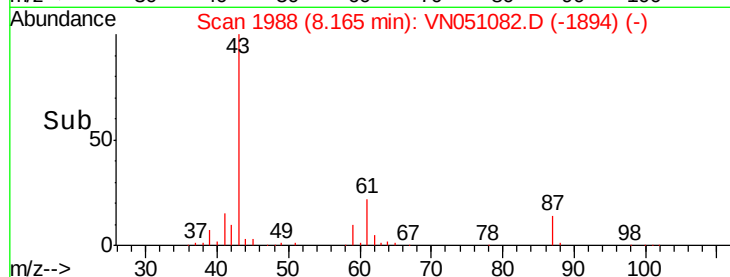
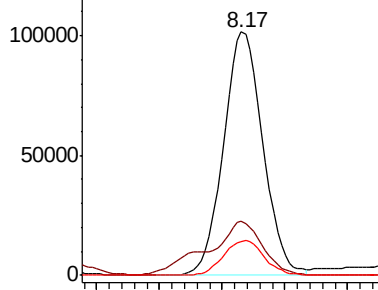
87 14.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 18.92 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051082.D

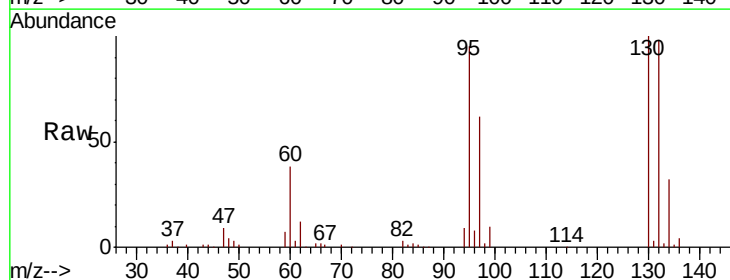
Acq: 10 Sep 2018 16:59

Tgt Ion:130 Resp: 167803

Ion Ratio Lower Upper

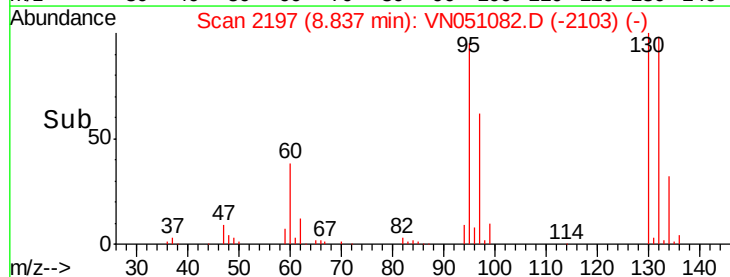
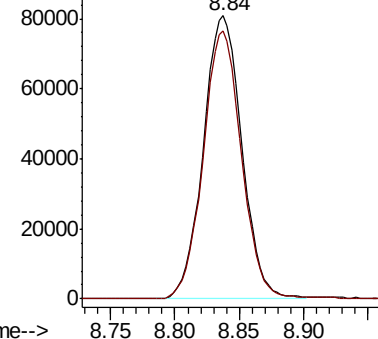
130 100

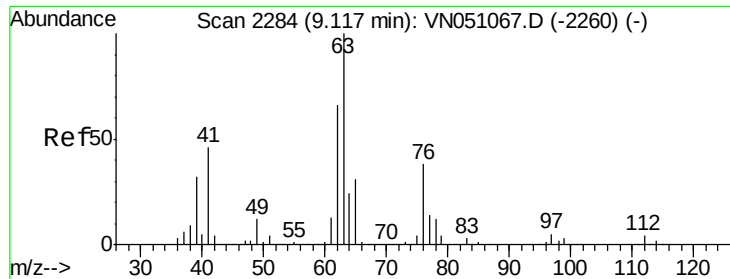
95 94.9 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

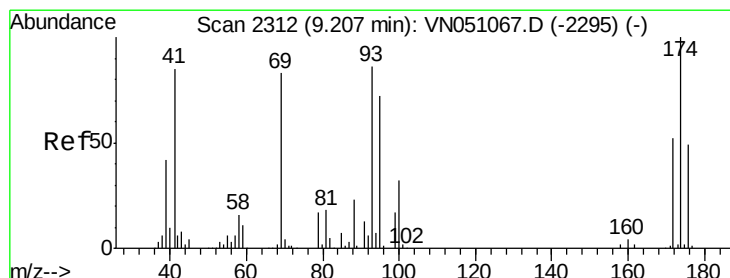
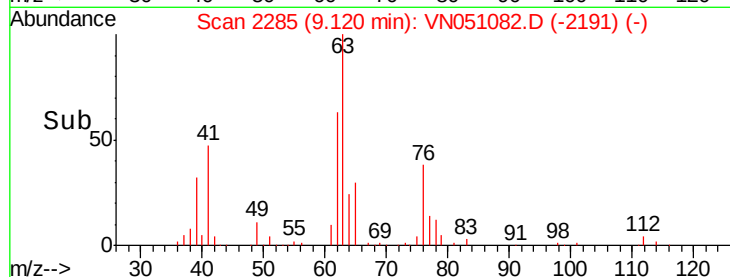
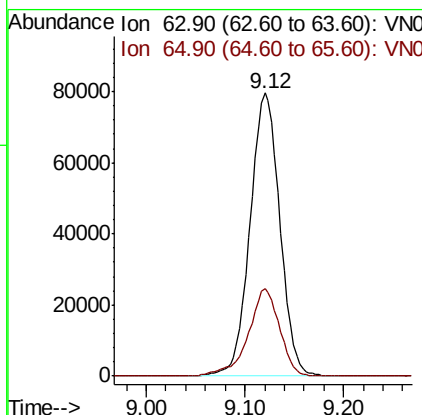
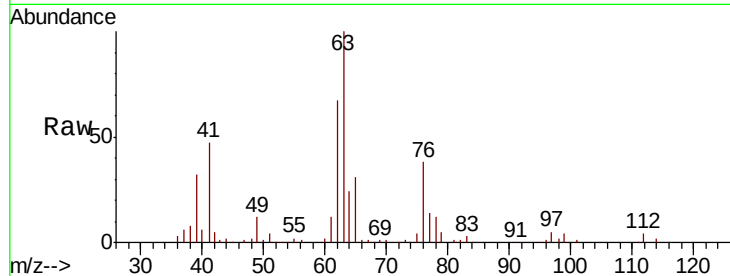




#45
 1,2-Dichloropropane
 Concen: 19.78 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

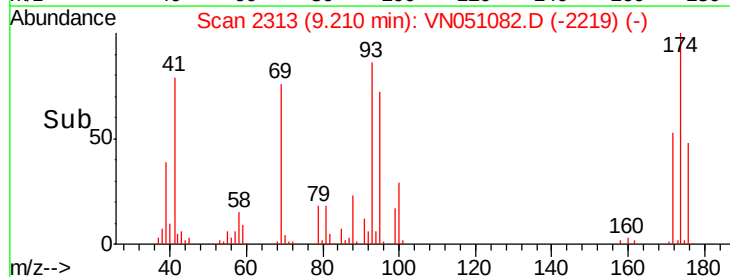
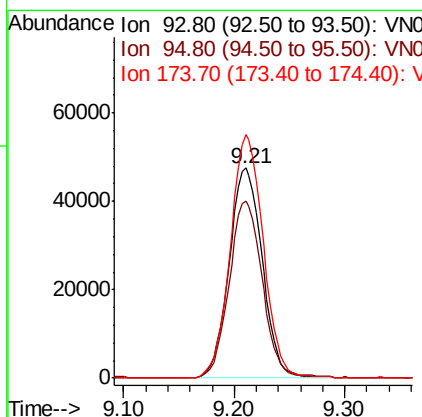
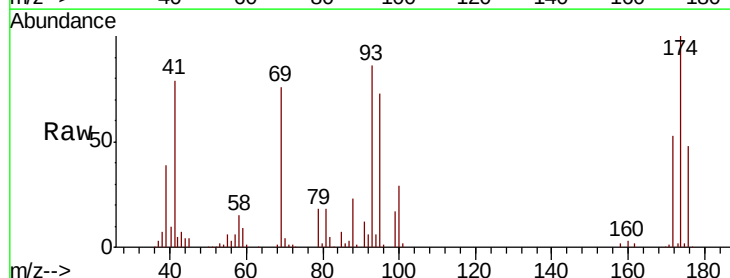
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

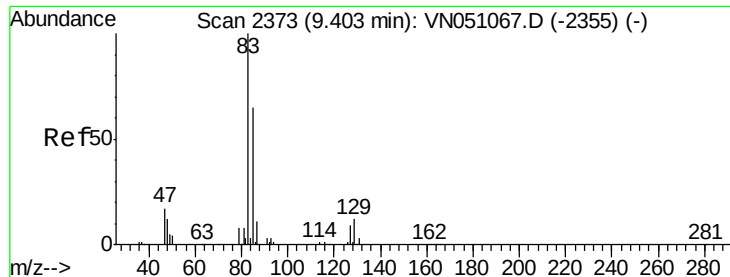
Tot Ion: 63 Resp: 165717
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion: 93 Resp: 99636
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 114.9 93.3 139.9





#47

Bromodichloromethane

Concen: 19.68 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

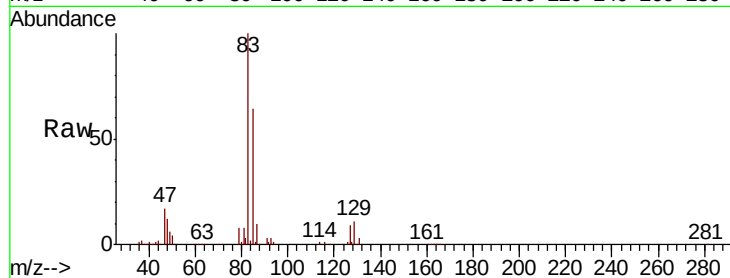
Tot Ion: 83 Resp: 204542

Ion Ratio Lower Upper

83 100

85 63.6 52.3 78.5

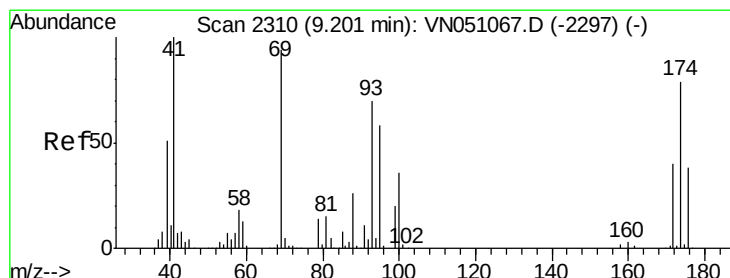
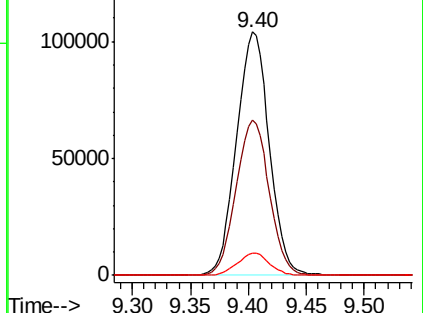
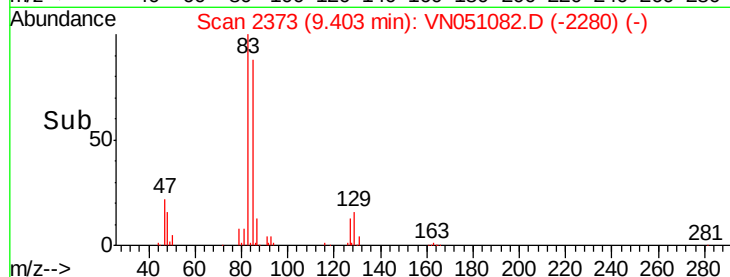
127 9.1 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.82 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

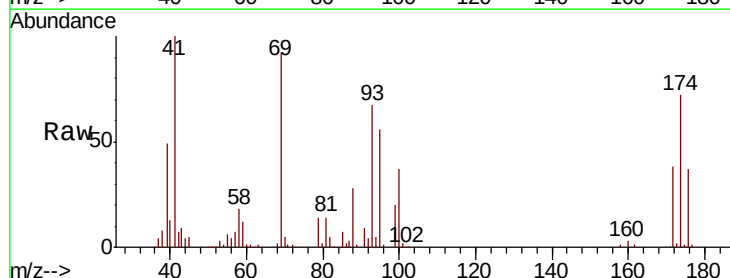
Tgt Ion: 41 Resp: 106188

Ion Ratio Lower Upper

41 100

69 96.8 77.7 116.5

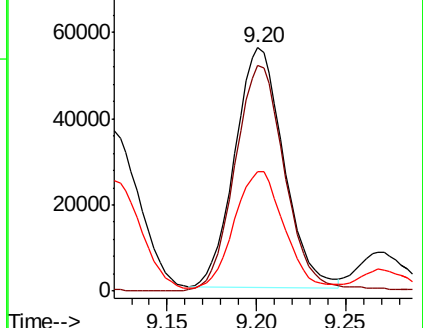
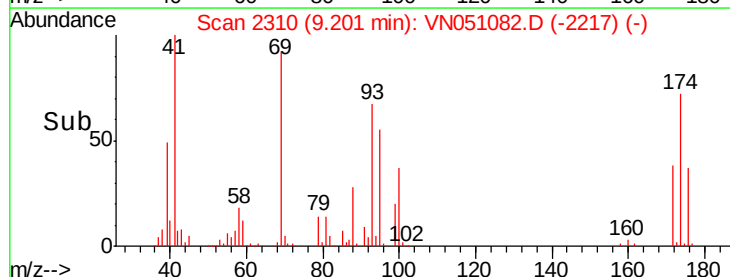
39 51.6 41.6 62.4

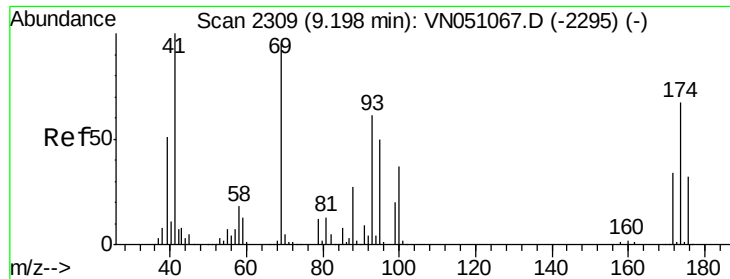


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 386.98 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

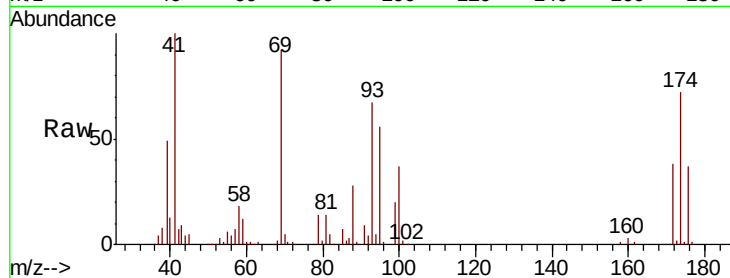
Tot Ion: 88 Resp: 32512

Ion Ratio Lower Upper

88 100

43 28.1 23.7 35.5

58 68.0 54.6 82.0

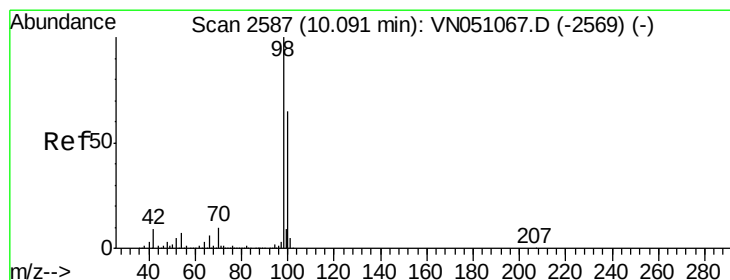
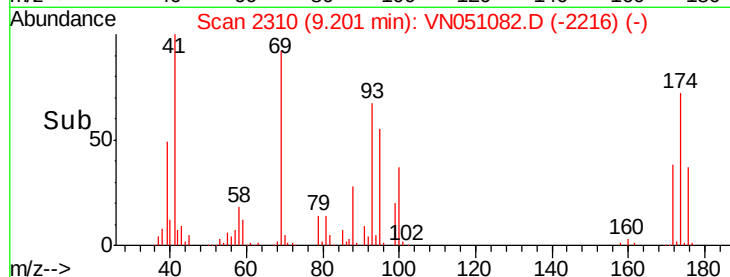
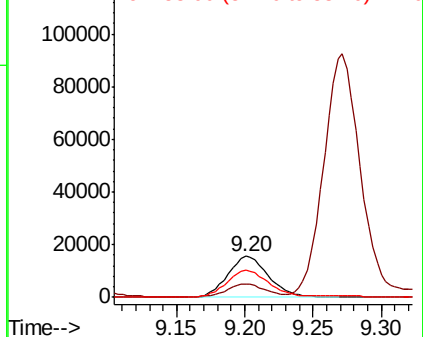


Abundance

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: 51.47 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051082.D

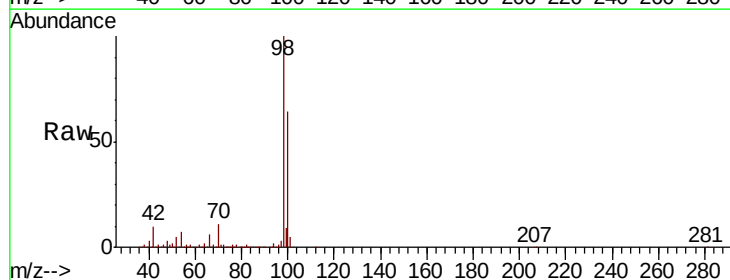
Acq: 10 Sep 2018 16:59

Tgt Ion: 98 Resp: 1437960

Ion Ratio Lower Upper

98 100

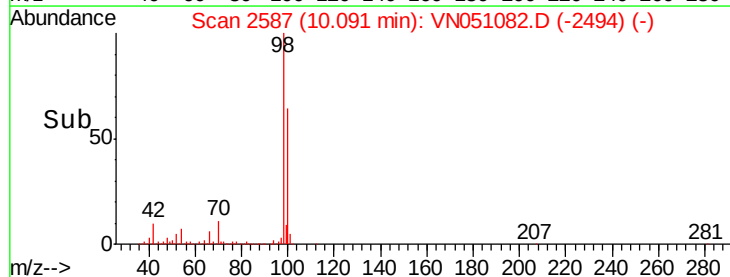
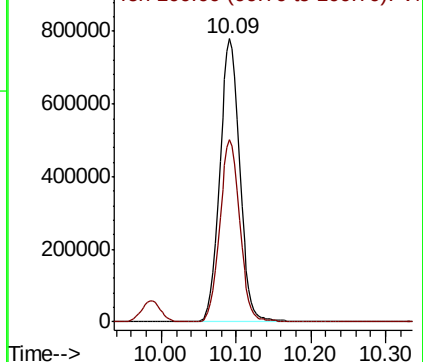
100 64.4 52.0 78.0

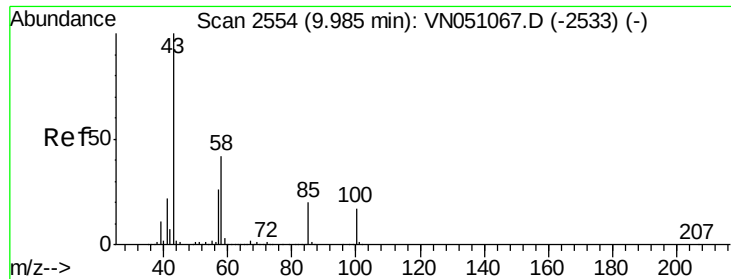


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

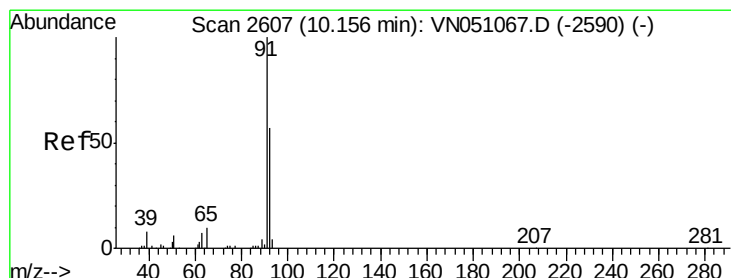
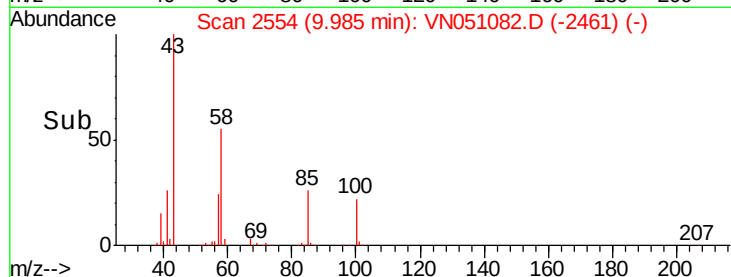
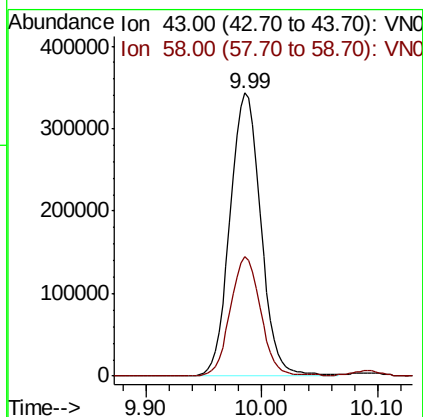
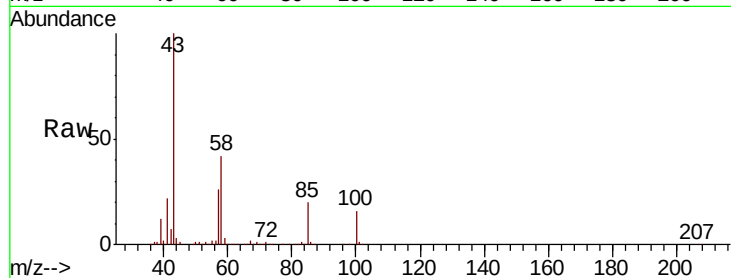




#51
4-Methyl-2-Pentanone
Concen: 104.02 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

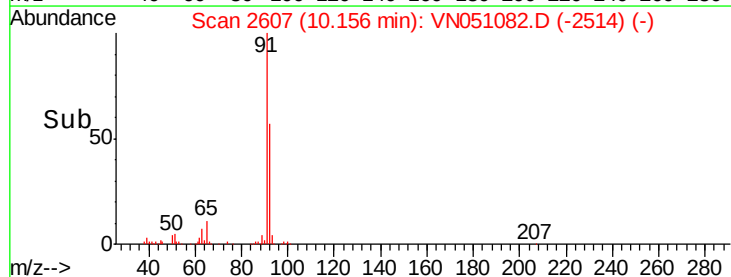
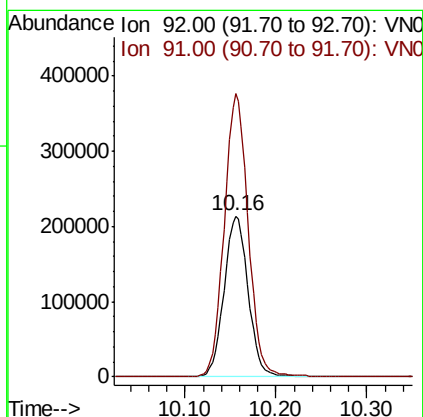
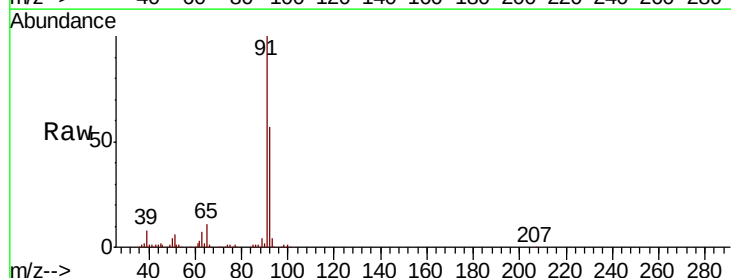
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

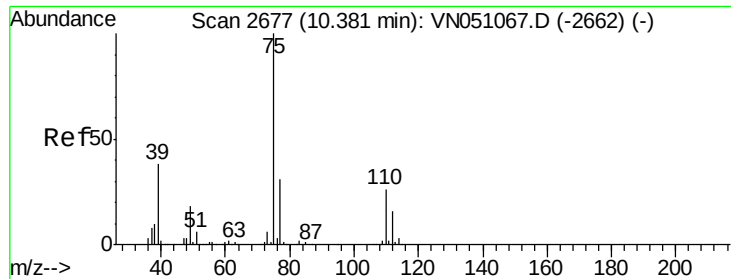
Tot Ion: 43 Resp: 632430
Ion Ratio Lower Upper
43 100
58 41.7 33.5 50.3



#52
Toluene
Concen: 19.94 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 92 Resp: 394212
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.03 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

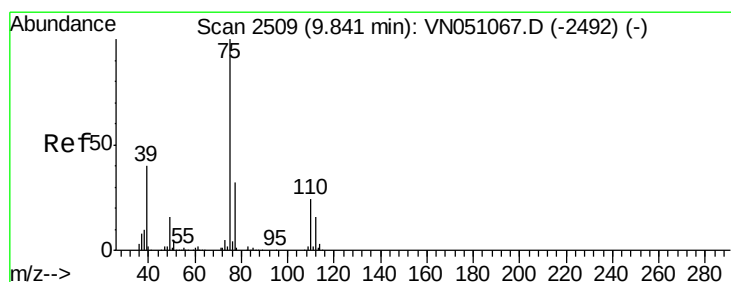
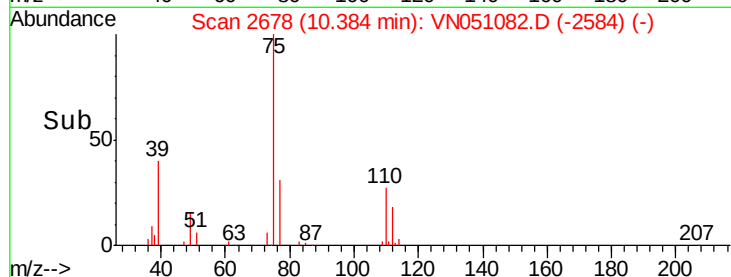
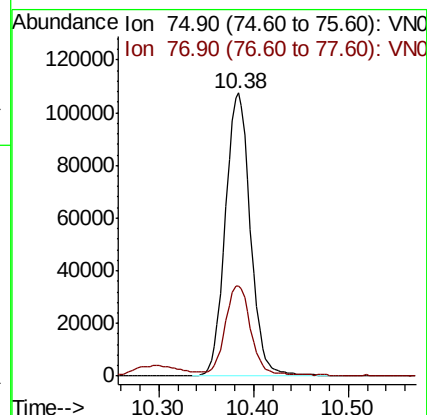
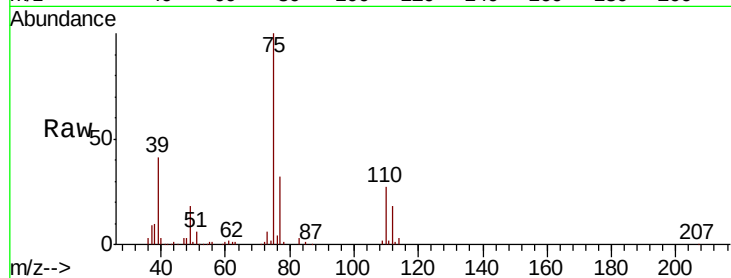
VN0910MBSD01

Tot Ion: 75 Resp: 197947

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

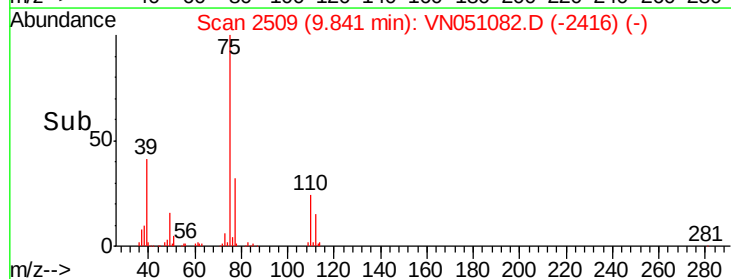
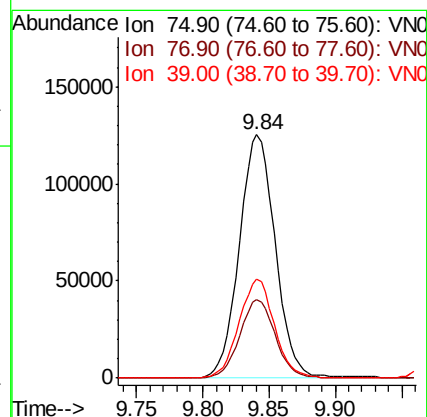
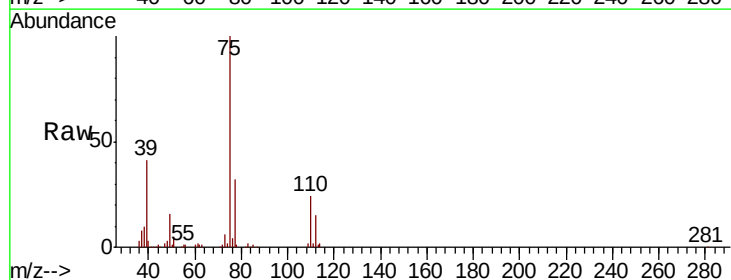
Tgt Ion: 75 Resp: 235763

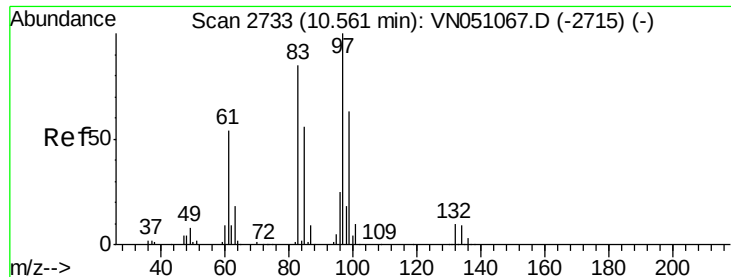
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 40.8 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 19.99 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

Tot Ion: 97 Resp: 143529

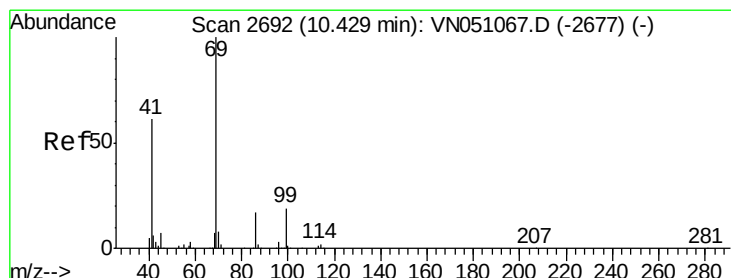
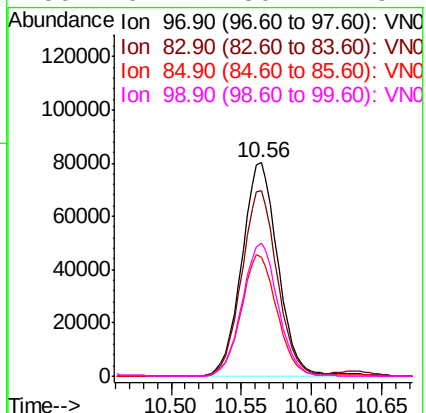
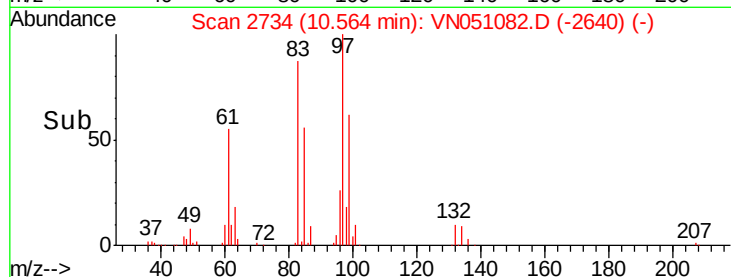
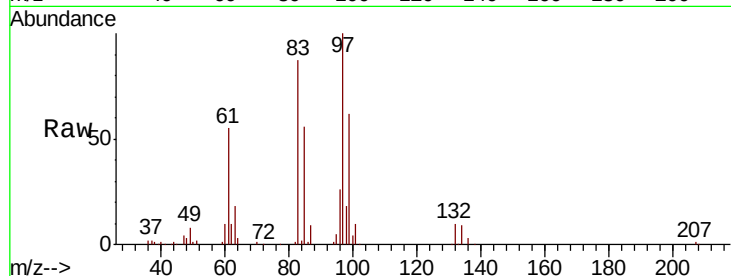
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.2	102.2
85	56.0	44.8	67.2
99	62.2	50.2	75.4

97 100

83 86.8 68.2 102.2

85 56.0 44.8 67.2

99 62.2 50.2 75.4



#56

Ethyl methacrylate

Concen: 19.62 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

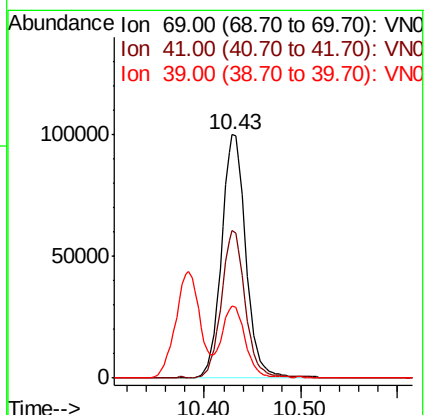
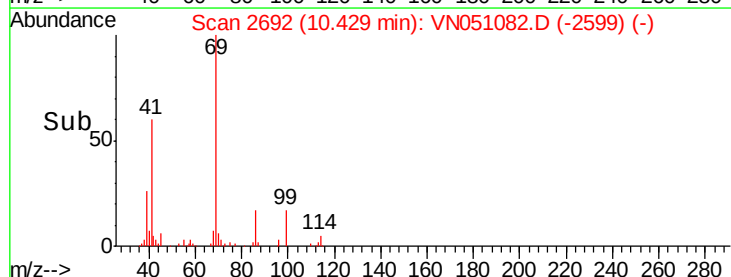
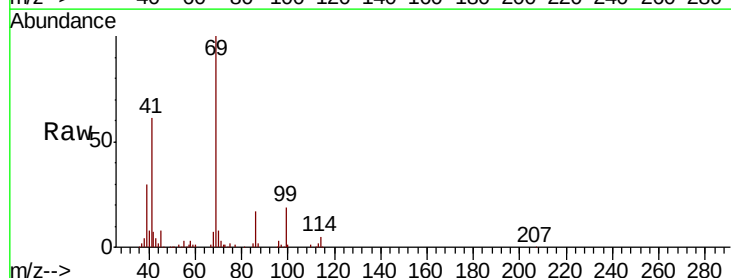
Tgt Ion: 69 Resp: 173993

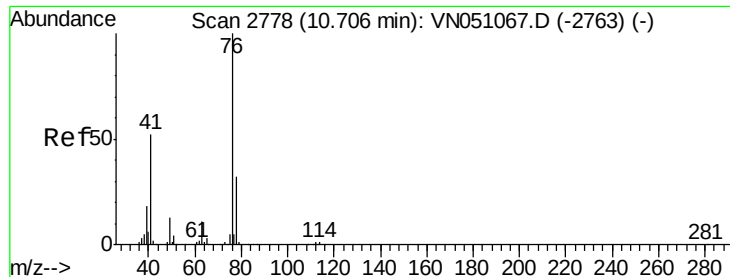
Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.8	71.8
39	28.0	23.0	34.4

69 100

41 59.0 47.8 71.8

39 28.0 23.0 34.4





#57

1,3-Dichloropropane

Concen: 19.86 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

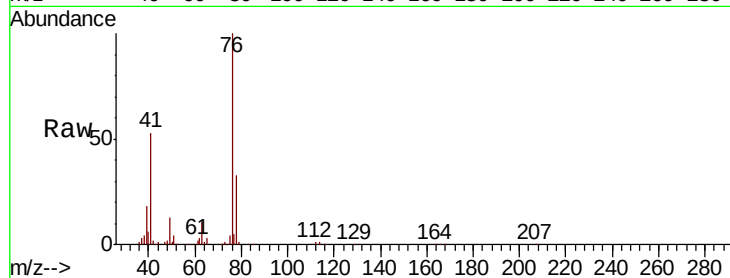
VN0910MBSD01

Tot Ion: 76 Resp: 236419

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051067.D (-2763) (-)

10.71

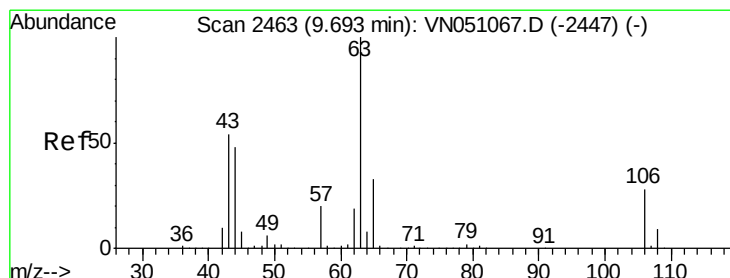
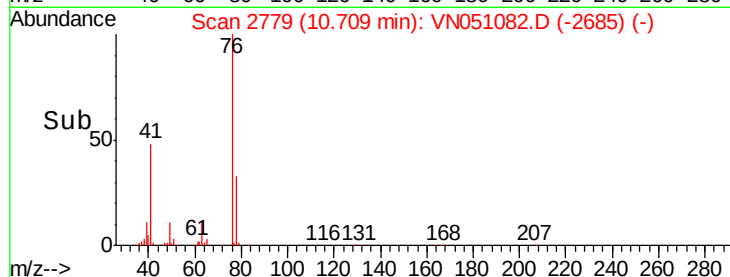
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.76 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051082.D

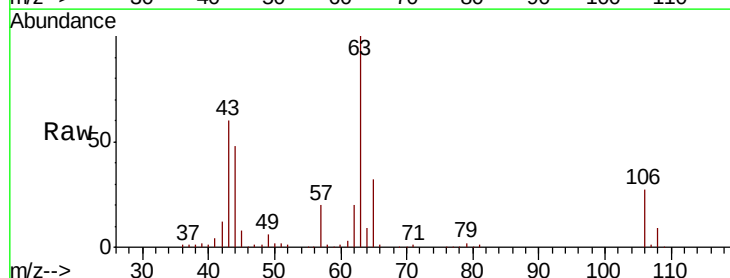
Acq: 10 Sep 2018 16:59

Tgt Ion: 63 Resp: 351711

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

9.70

200000

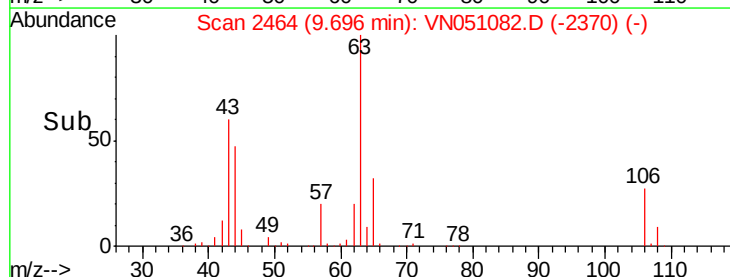
150000

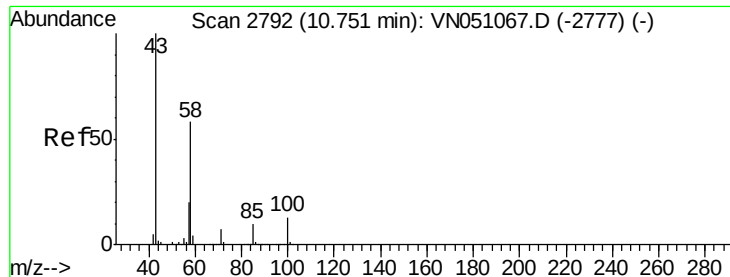
100000

50000

0

Time-->

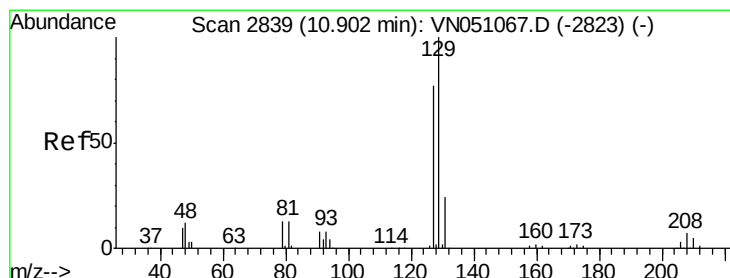
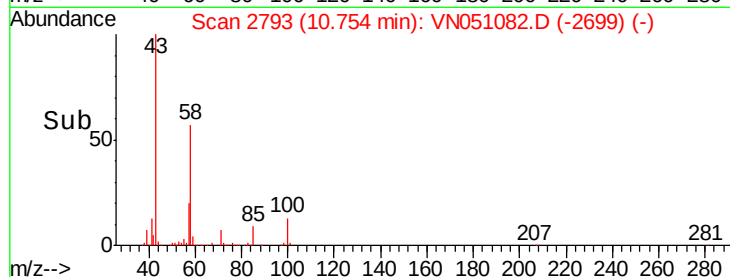
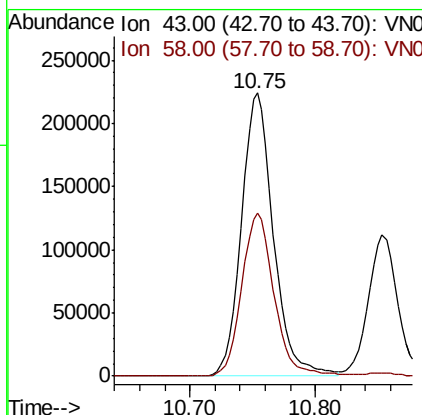
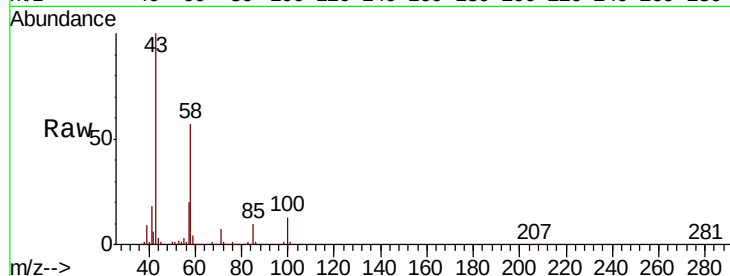




#59
2-Hexanone
Concen: 95.88 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

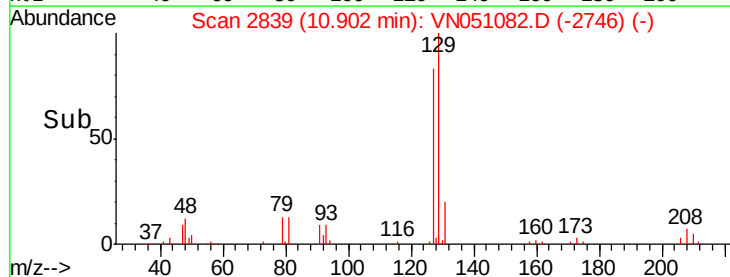
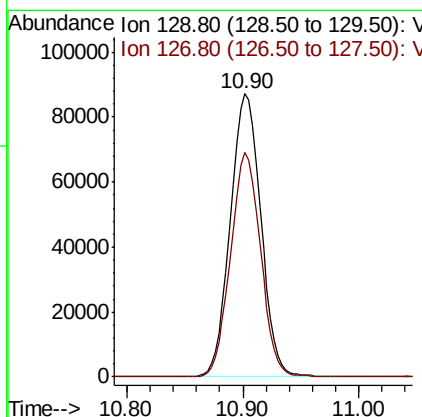
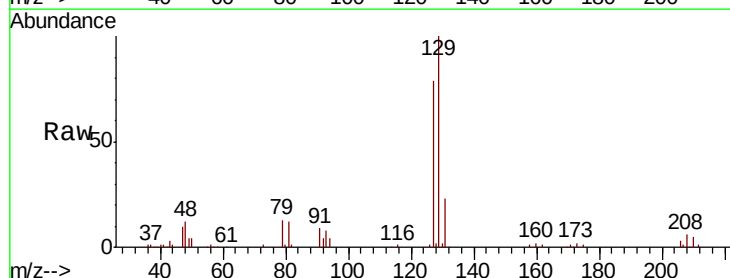
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

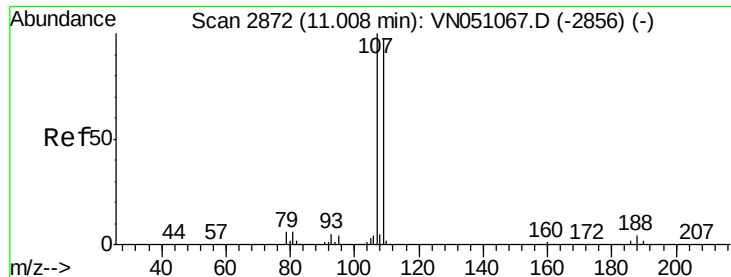
Tot Ion: 43 Resp: 395348
Ion Ratio Lower Upper
43 100
58 58.6 29.3 88.0



#60
Dibromochloromethane
Concen: 19.66 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 129 Resp: 159154
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.59 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

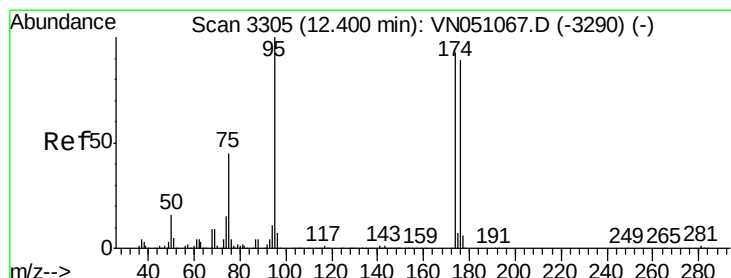
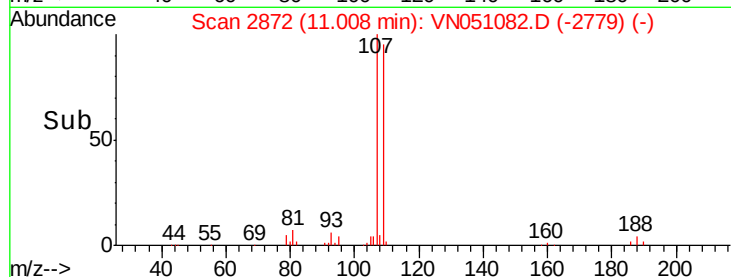
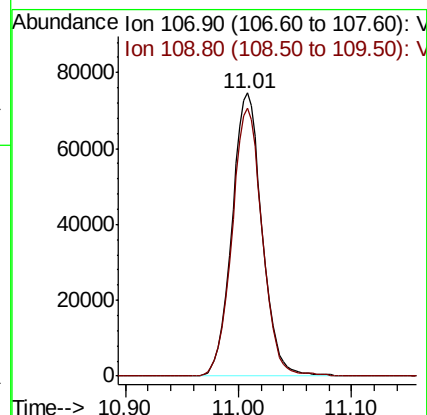
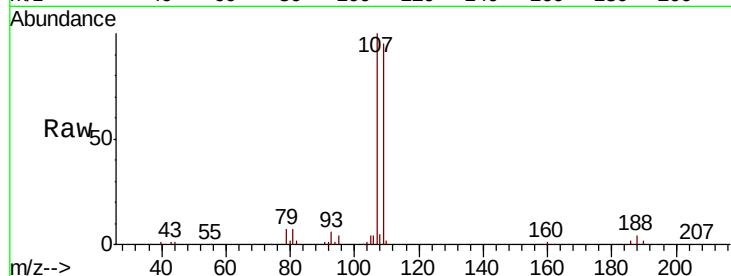
VN0910MBSD01

Tot Ion:107 Resp: 137533

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 48.78 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

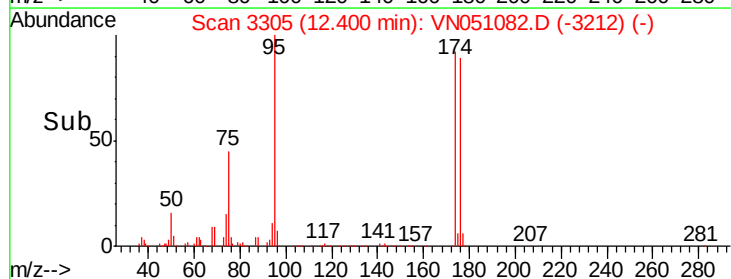
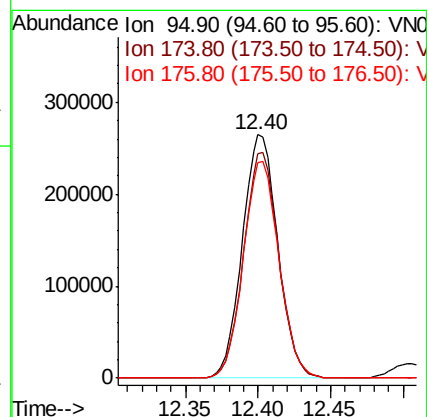
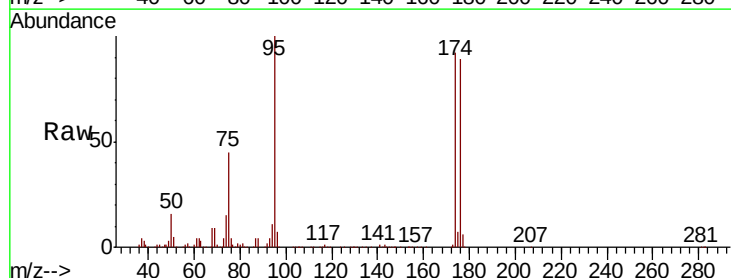
Tgt Ion: 95 Resp: 450850

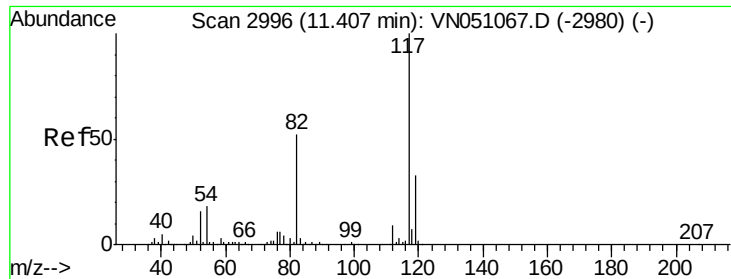
Ion Ratio Lower Upper

95 100

174 91.9 0.0 184.8

176 89.4 0.0 178.6

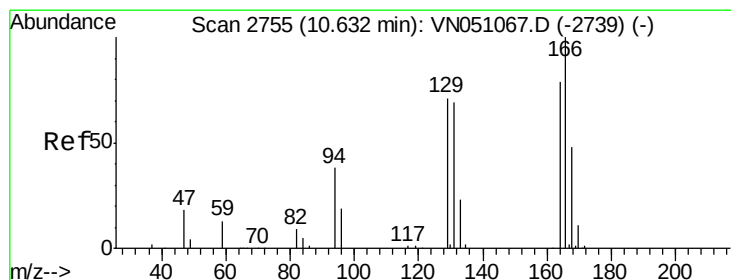
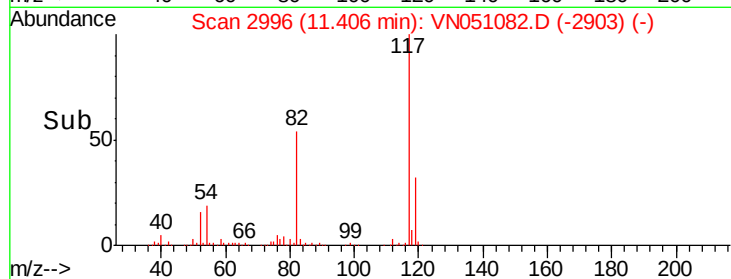
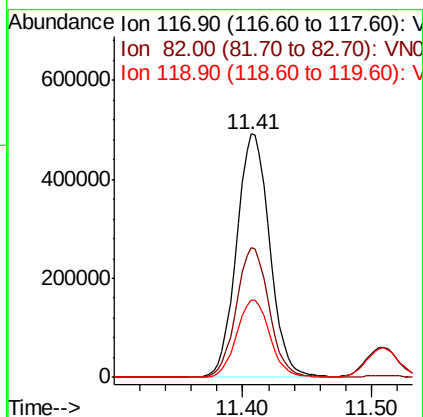
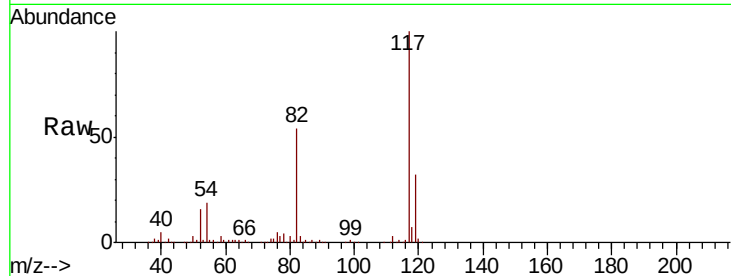




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

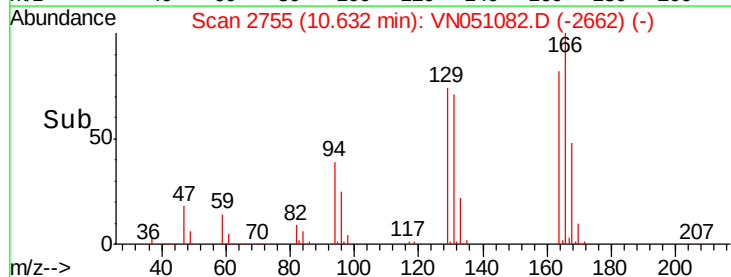
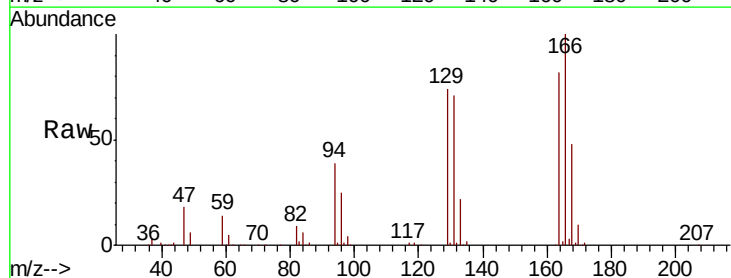
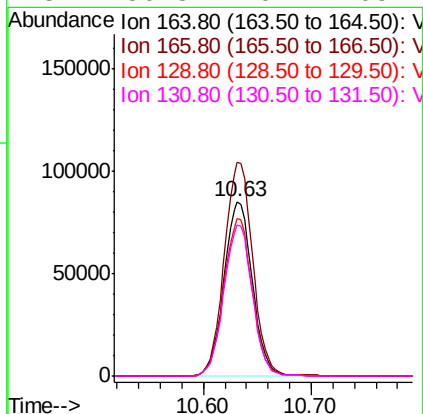
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

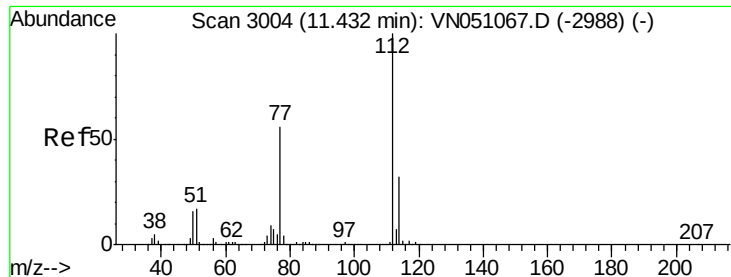
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.8	62.6
119	31.8	26.2	39.2



#64
Tetrachloroethene
Concen: 19.43 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.3	151.9
129	90.0	72.2	108.2
131	86.8	70.2	105.2

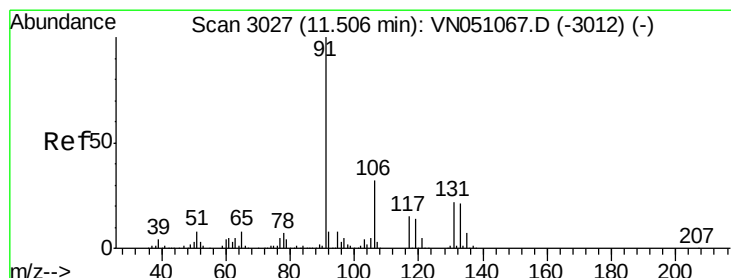
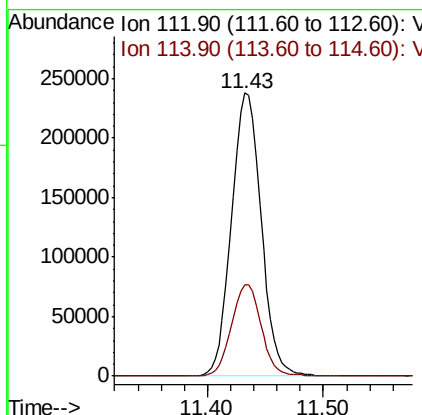
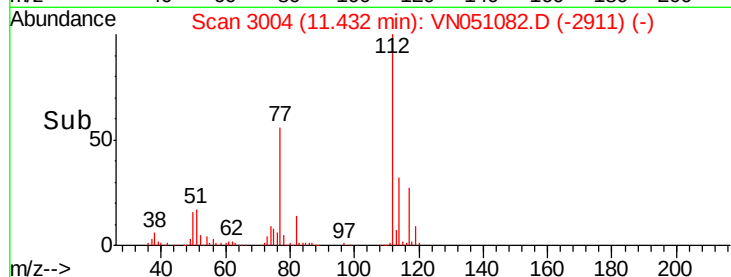
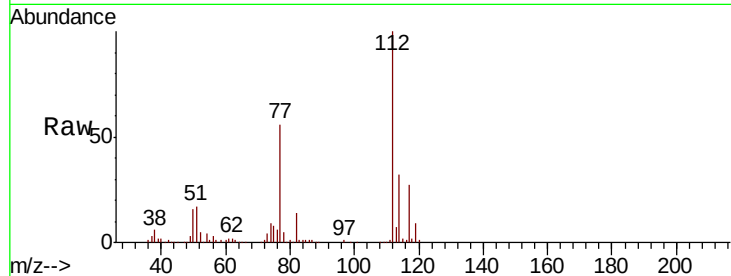




#65
Chlorobenzene
Concen: 19.00 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

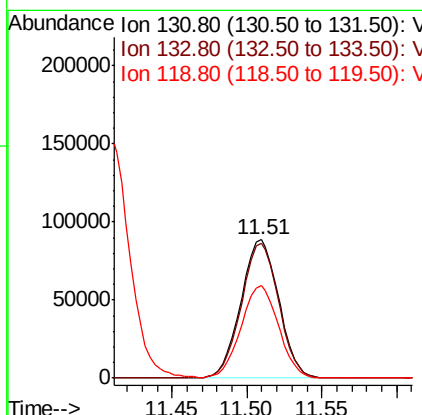
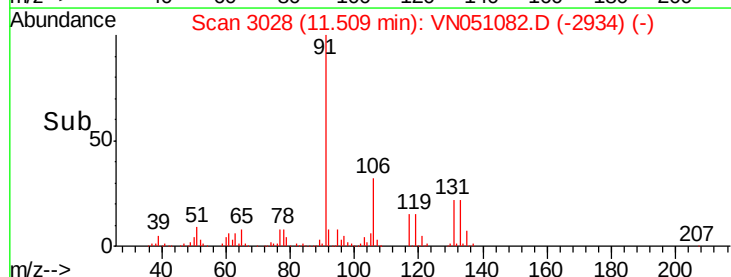
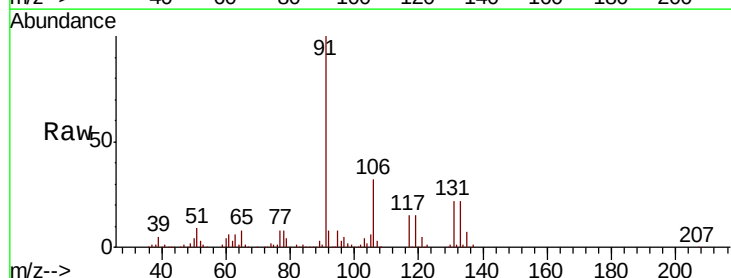
Instrument :
MSVOA_N
ClientSampled :
VN0910MBSD01

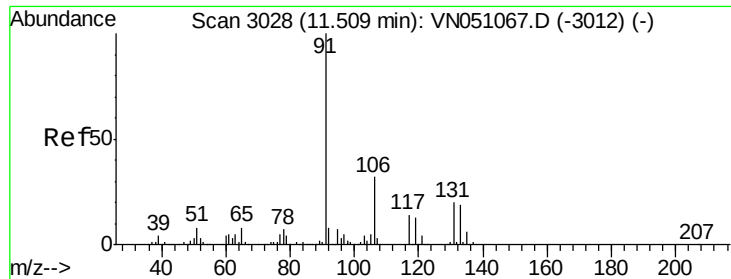
Tot Ion:112 Resp: 420950
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.58 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion:131 Resp: 156152
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 66.6 33.2 99.6

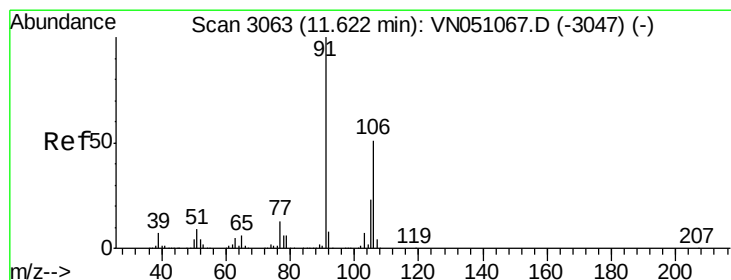
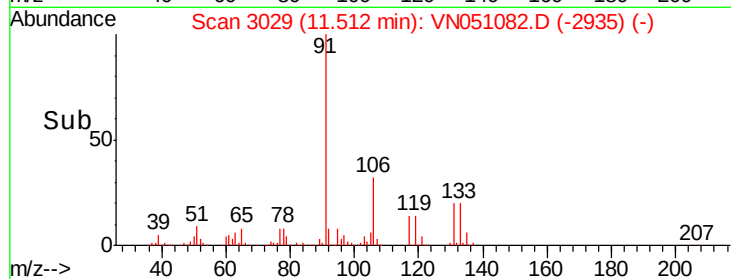
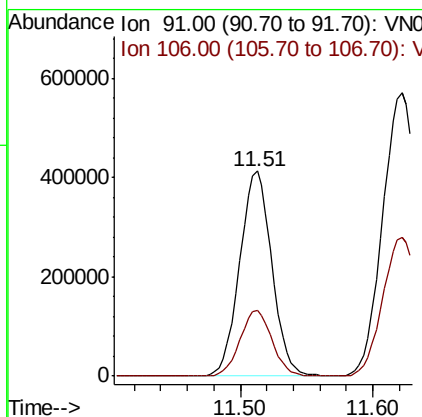
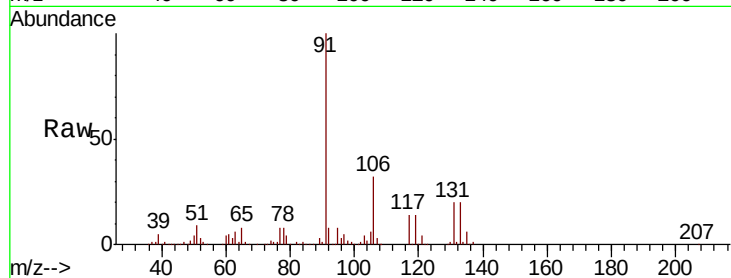




#67
Ethyl Benzene
Concen: 19.37 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

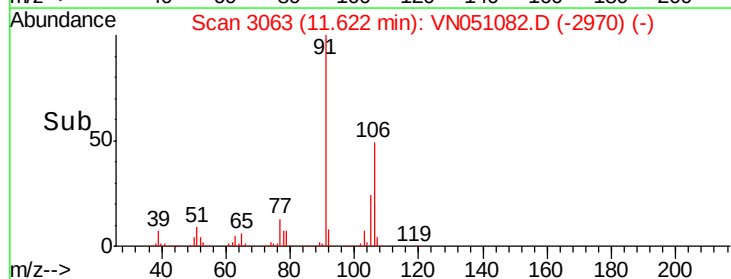
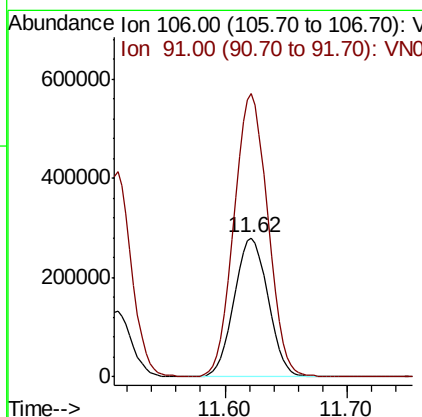
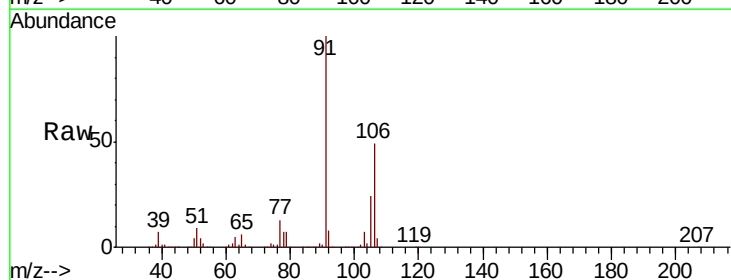
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

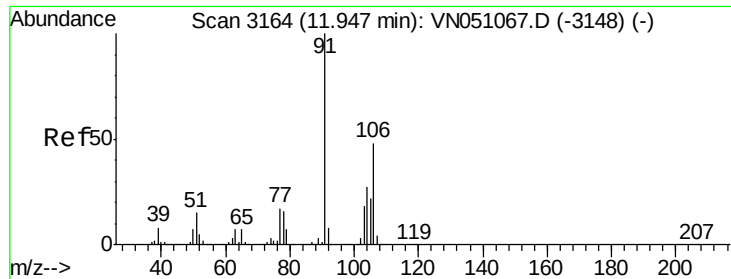
Tot Ion: 91 Resp: 694838
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 39.32 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 106 Resp: 542006
Ion Ratio Lower Upper
106 100
91 202.0 159.8 239.6

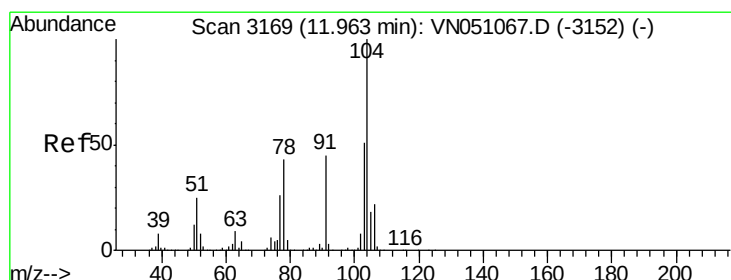
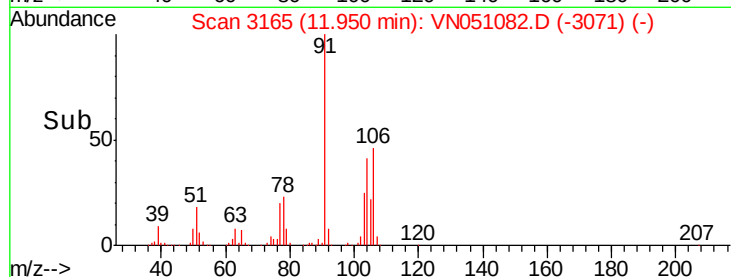
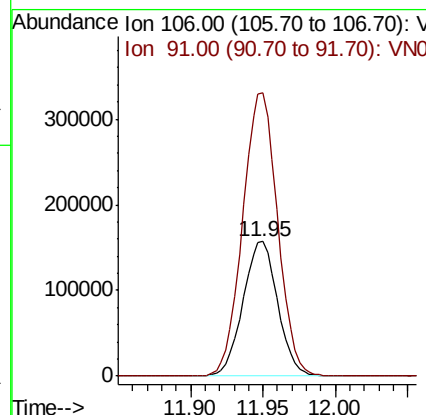
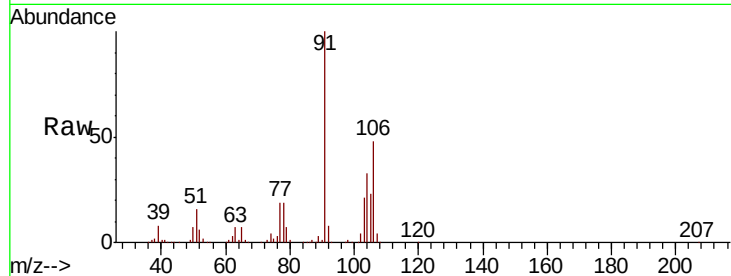




#69
o-Xylene
Concen: 19.58 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

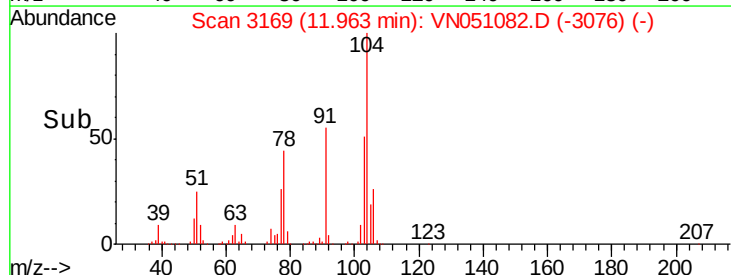
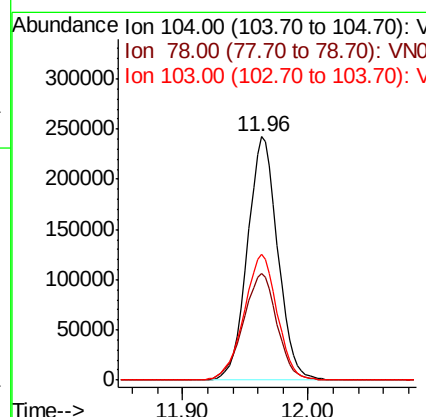
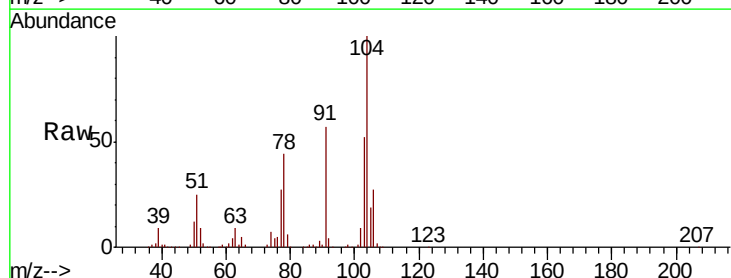
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

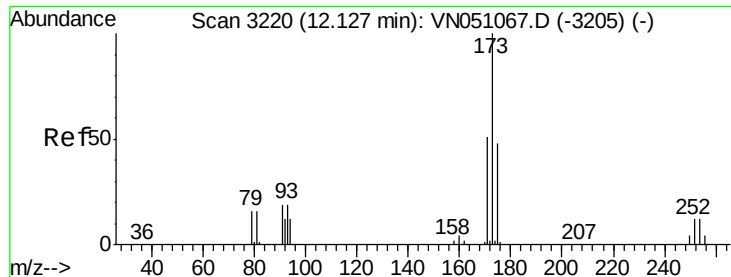
Tot Ion:106 Resp: 261357
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.1



#70
Styrene
Concen: 19.71 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion:104 Resp: 408122
Ion Ratio Lower Upper
104 100
78 48.5 37.7 56.5
103 56.5 44.6 67.0





#71

Bromoform

Concen: 19.91 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

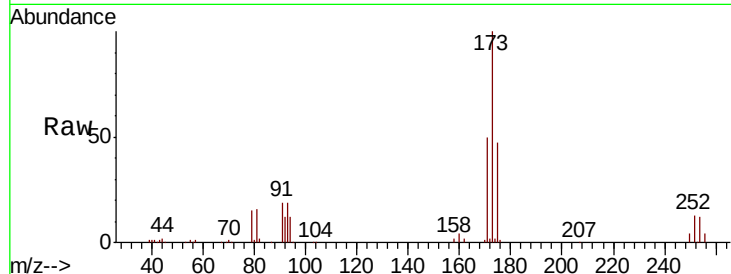
Tot Ion:173 Resp: 111817

Ion Ratio Lower Upper

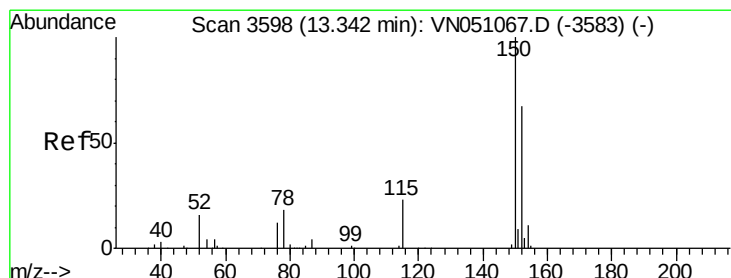
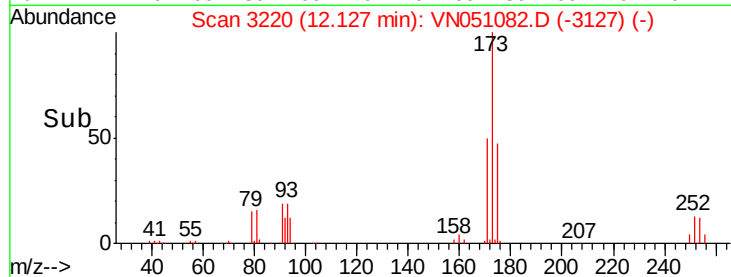
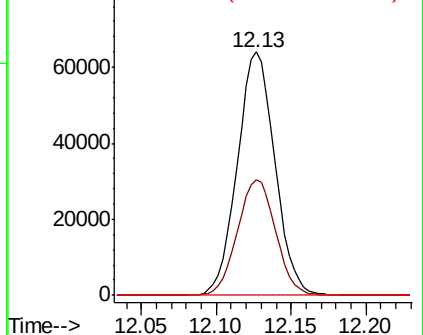
173 100

175 48.3 24.3 72.9

254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

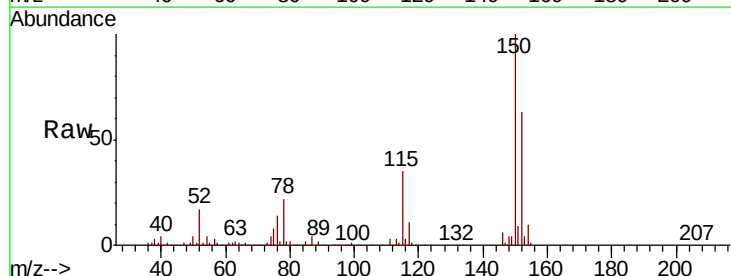
Tgt Ion:152 Resp: 406195

Ion Ratio Lower Upper

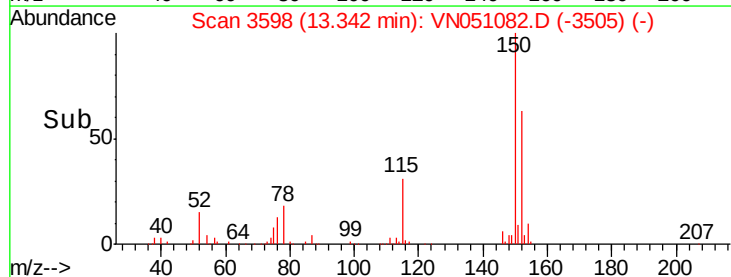
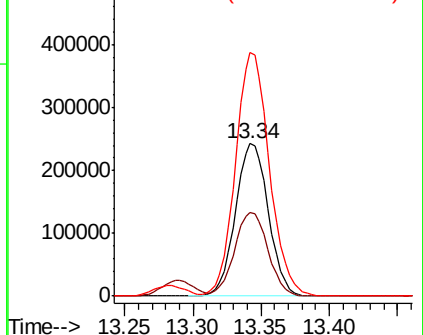
152 100

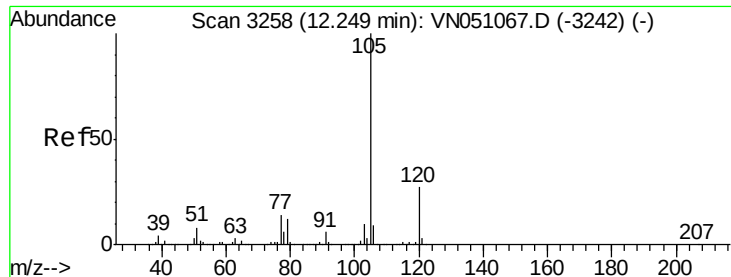
115 55.8 28.2 84.7

150 164.2 0.0 349.0



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: 20.15 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

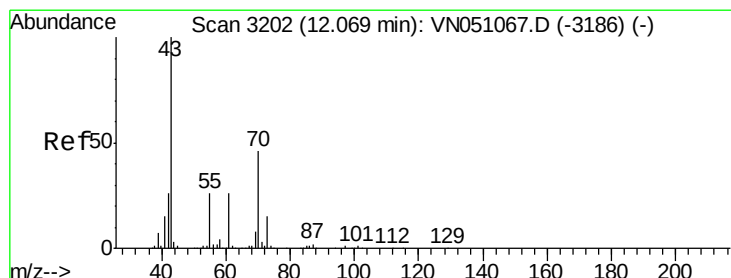
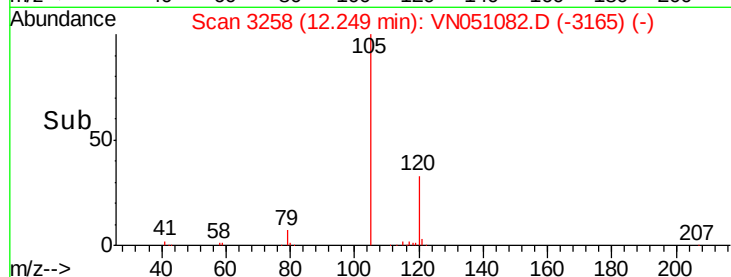
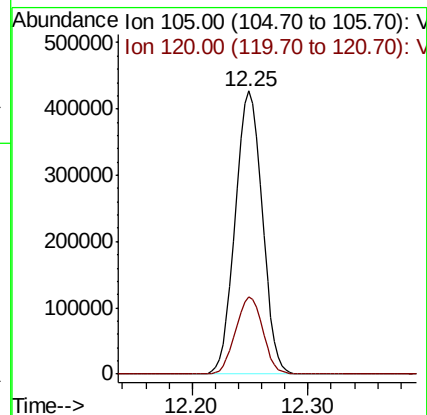
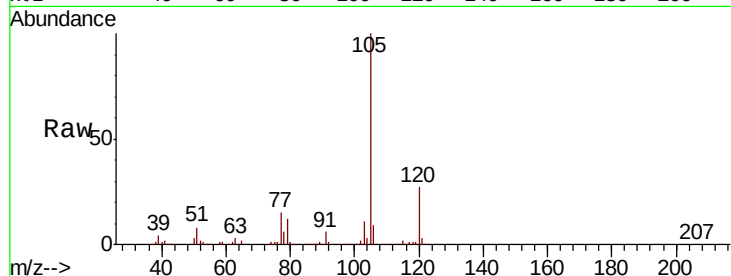
VN0910MBSD01

Tot Ion:105 Resp: 686455

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 19.61 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Tgt Ion: 43 Resp: 168114

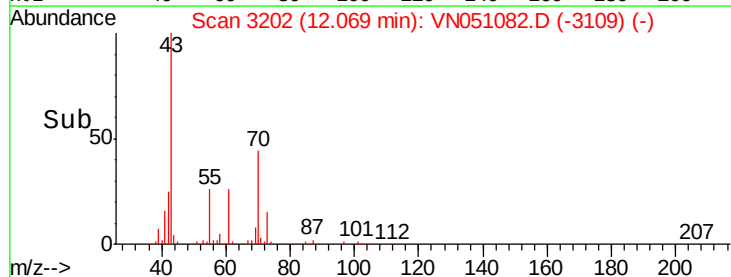
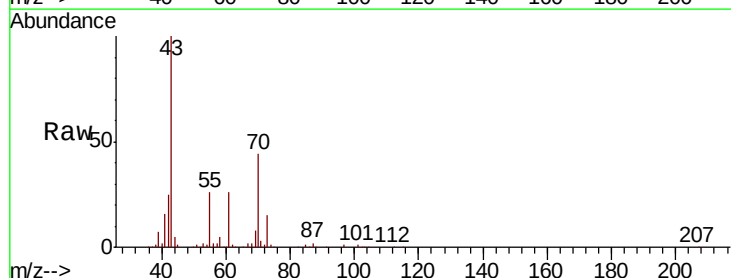
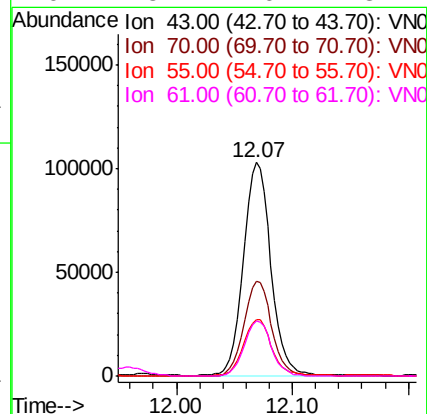
Ion Ratio Lower Upper

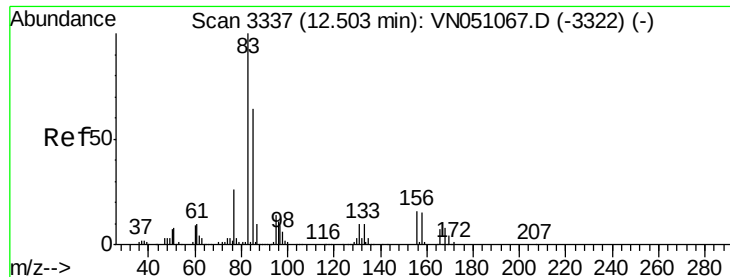
43 100

70 44.8 37.0 55.4

55 27.4 21.3 31.9

61 25.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.24 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

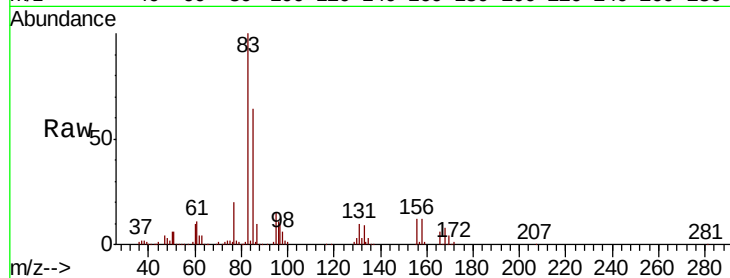
Tot Ion: 83 Resp: 180709

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

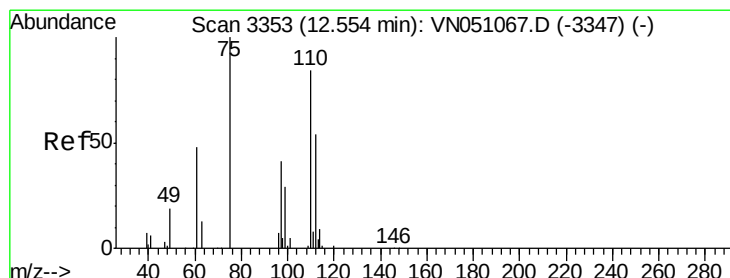
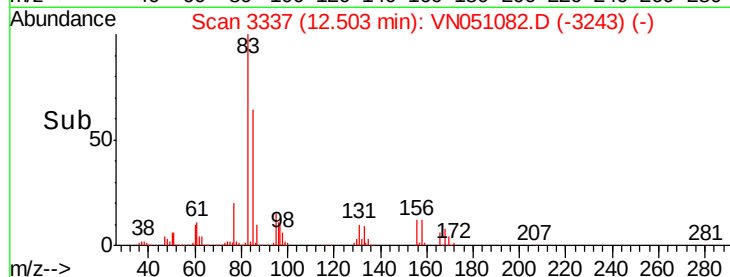
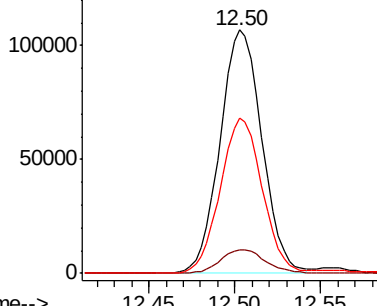
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.88 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051082.D

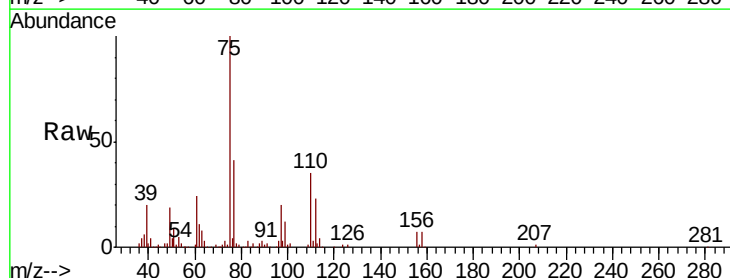
Acq: 10 Sep 2018 16:59

Tgt Ion: 75 Resp: 204132

Ion Ratio Lower Upper

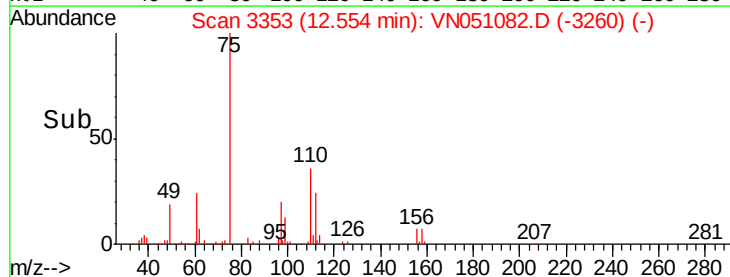
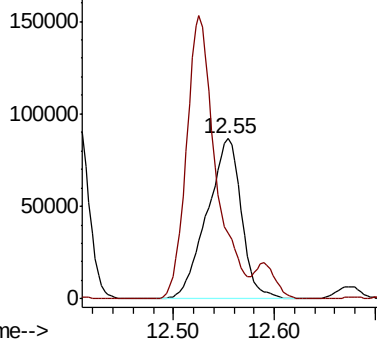
75 100

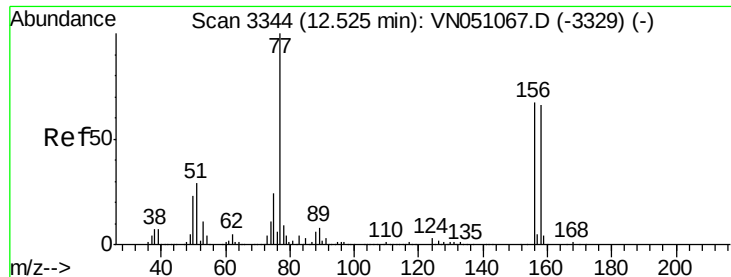
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.40 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

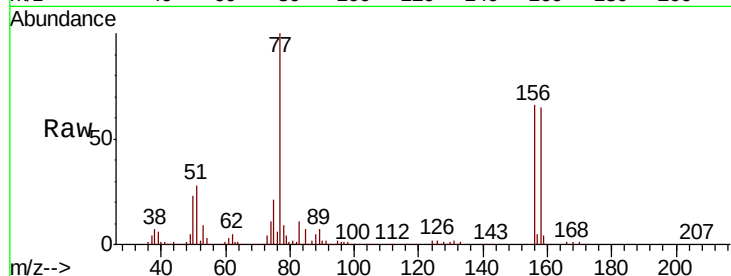
Tot Ion:156 Resp: 177495

Ion Ratio Lower Upper

156 100

77 174.5 87.5 262.6

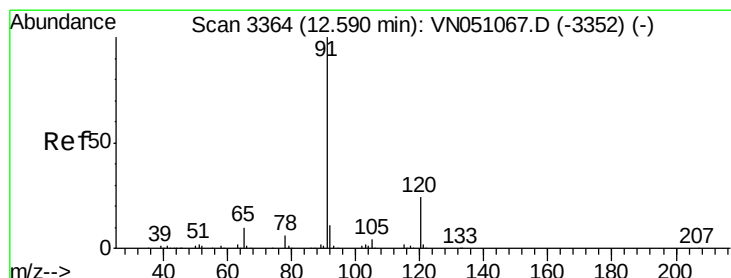
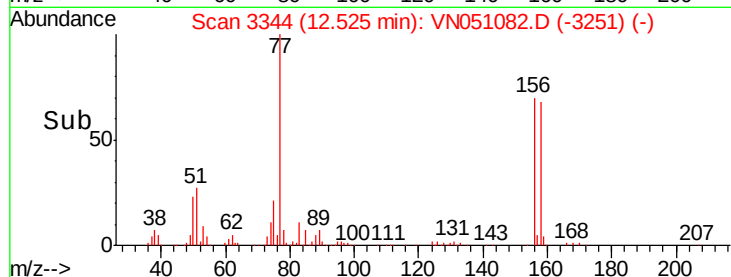
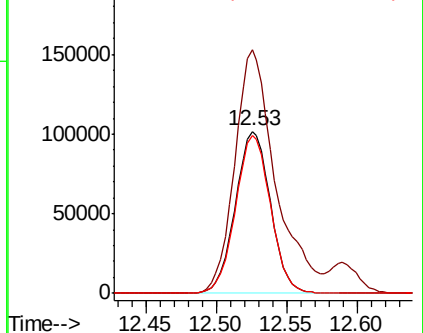
158 96.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.98 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051082.D

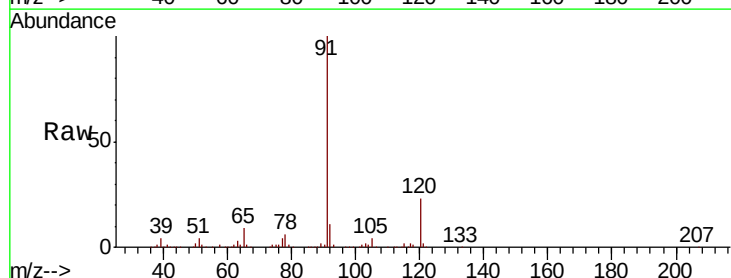
Acq: 10 Sep 2018 16:59

Tgt Ion: 91 Resp: 748234

Ion Ratio Lower Upper

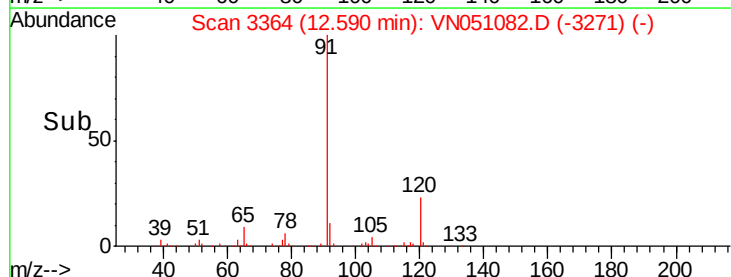
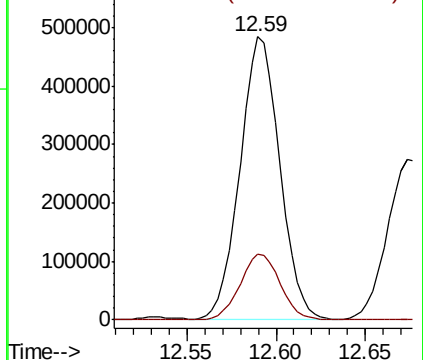
91 100

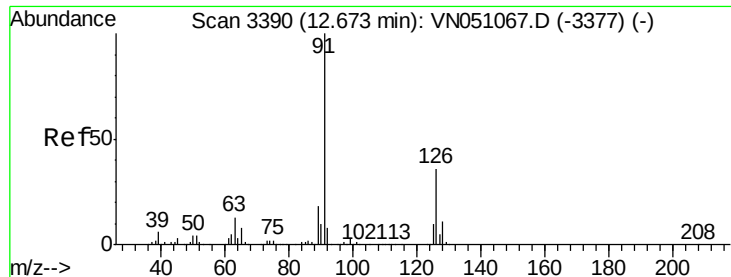
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.58 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

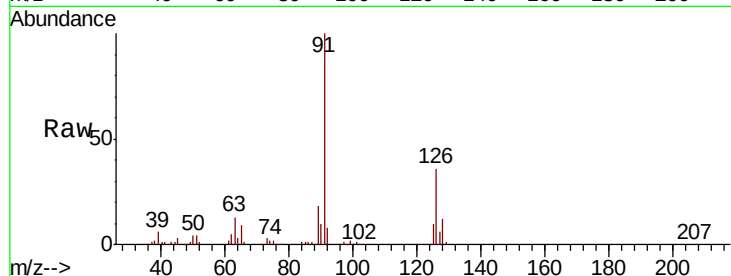
VN0910MBSD01

Tot Ion: 91 Resp: 458217

Ion Ratio Lower Upper

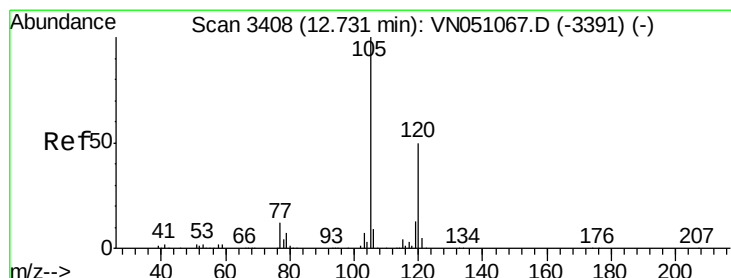
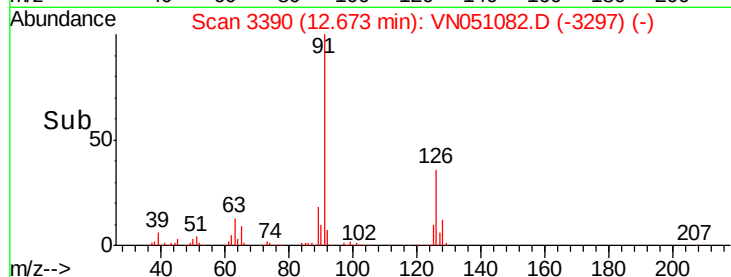
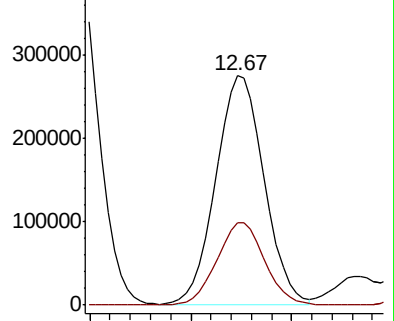
91 100

126 35.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.37 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051082.D

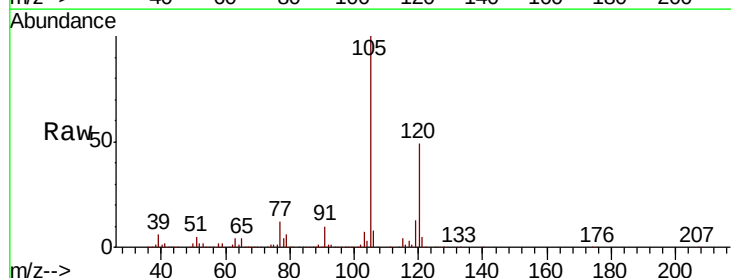
Acq: 10 Sep 2018 16:59

Tgt Ion: 105 Resp: 560944

Ion Ratio Lower Upper

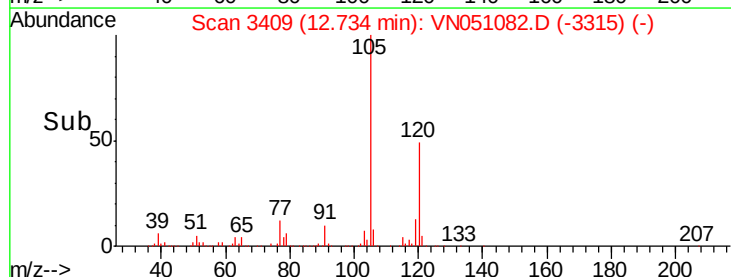
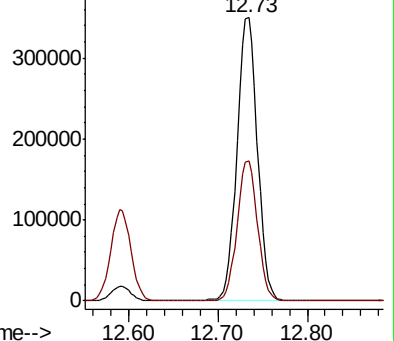
105 100

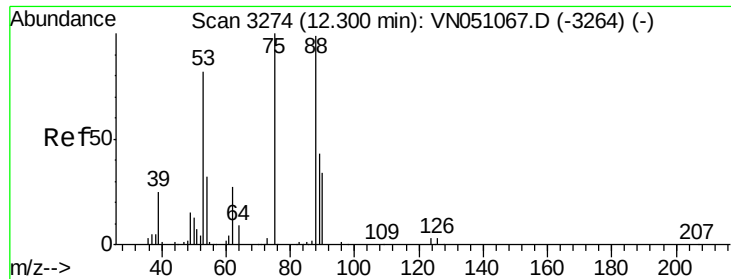
120 49.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.24 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

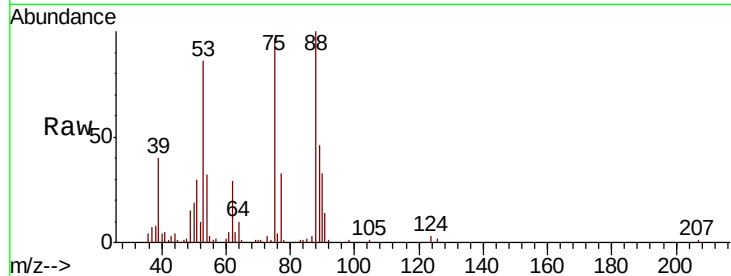
Tot Ion: 75 Resp: 41160

Ion Ratio Lower Upper

75 100

53 87.1 67.8 101.8

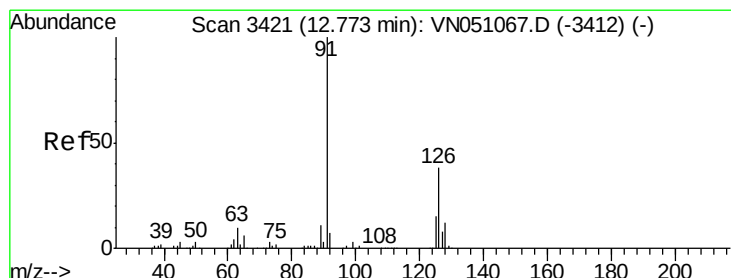
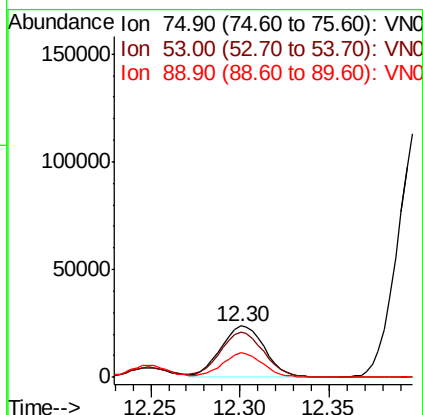
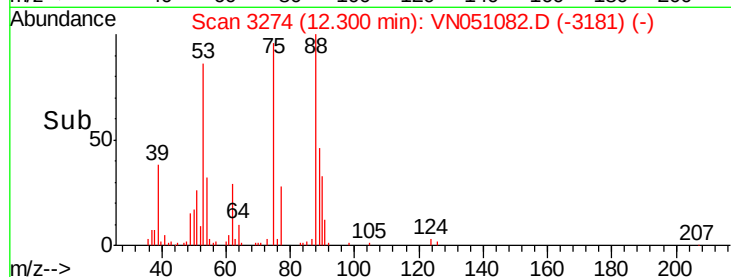
89 44.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.16 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051082.D

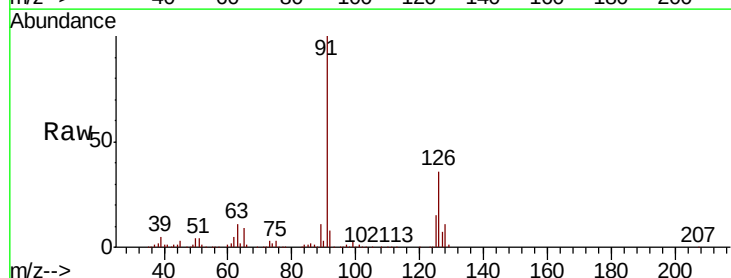
Acq: 10 Sep 2018 16:59

Tgt Ion: 91 Resp: 445185

Ion Ratio Lower Upper

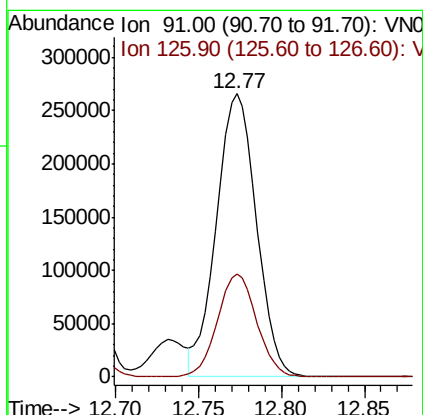
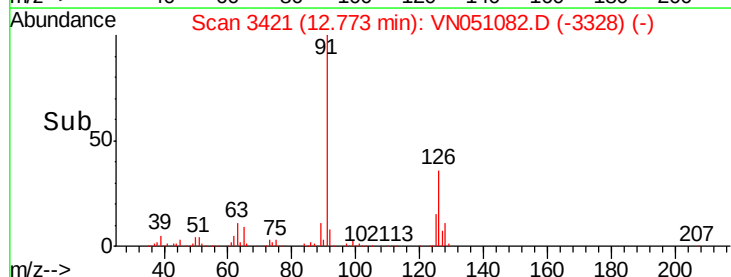
91 100

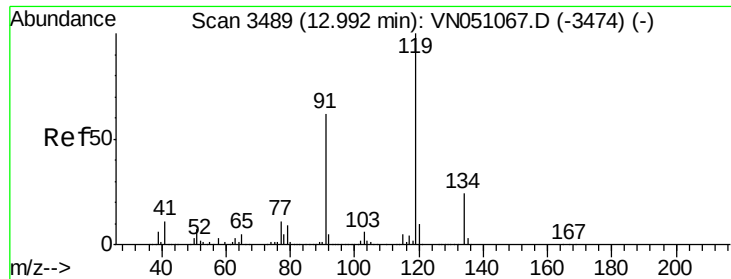
126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

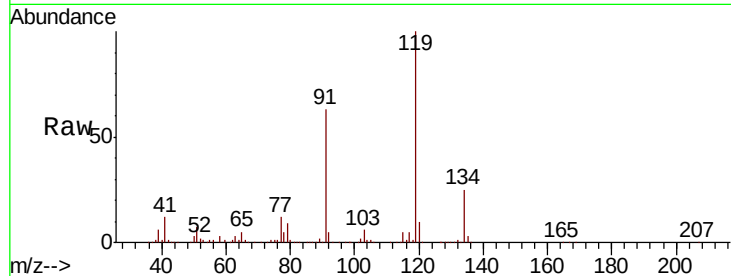




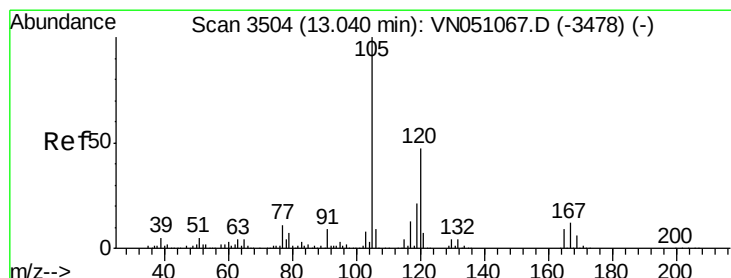
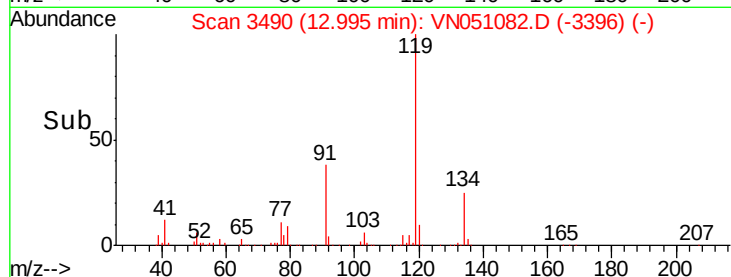
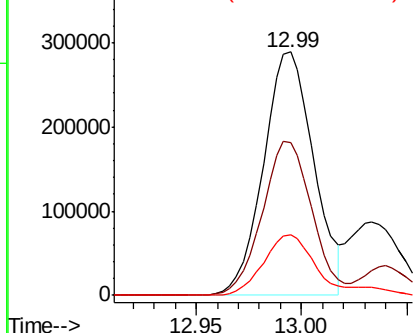
#83
 tert-Butylbenzene
 Concen: 19.77 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

Tot Ion:119 Resp: 480663
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.8 92.3
 134 27.4 13.2 39.6

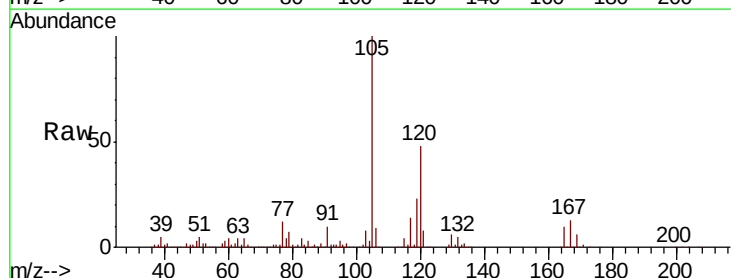


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

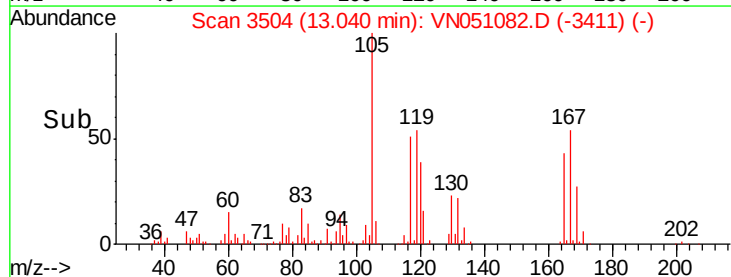
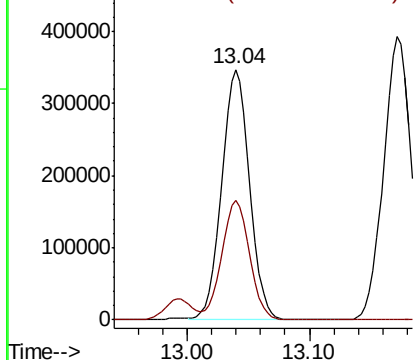


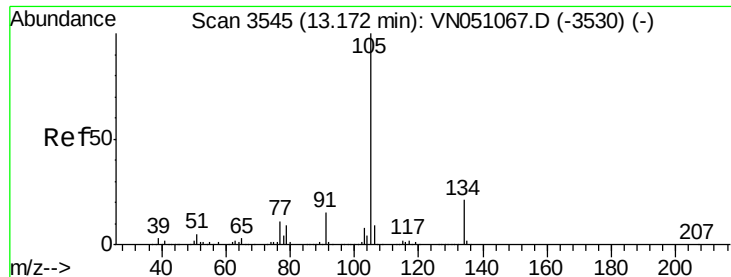
#84
 1,2,4-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion:105 Resp: 555316
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.3 69.8



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





#85

sec-Butylbenzene

Concen: 19.87 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

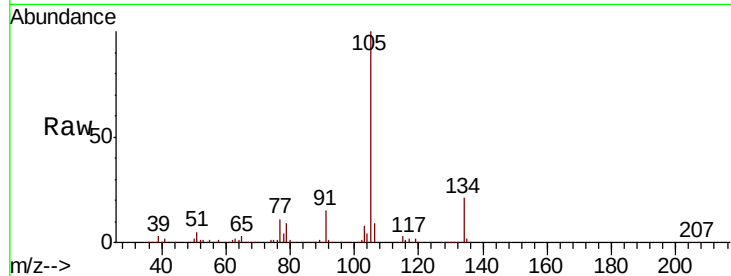
VN0910MBSD01

Tot Ion:105 Resp: 619655

Ion Ratio Lower Upper

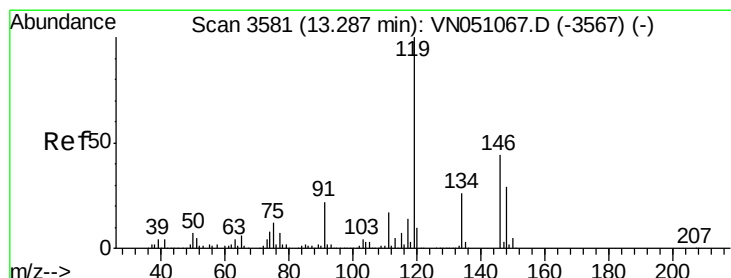
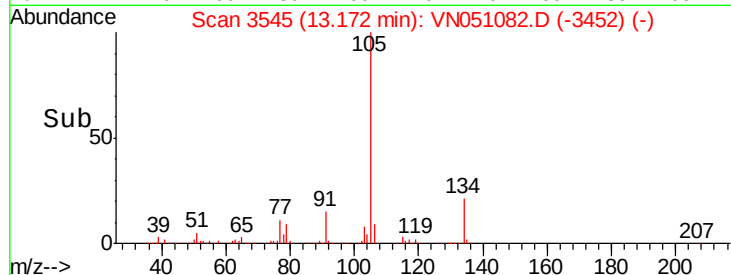
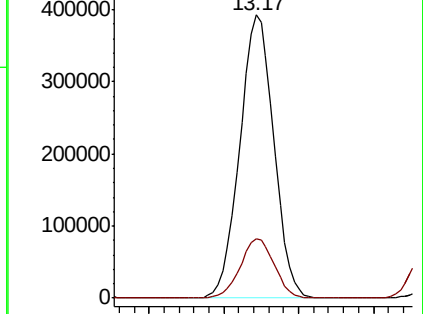
105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

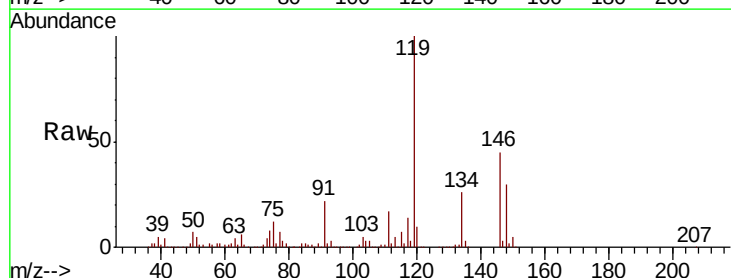
Tgt Ion:119 Resp: 532998

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

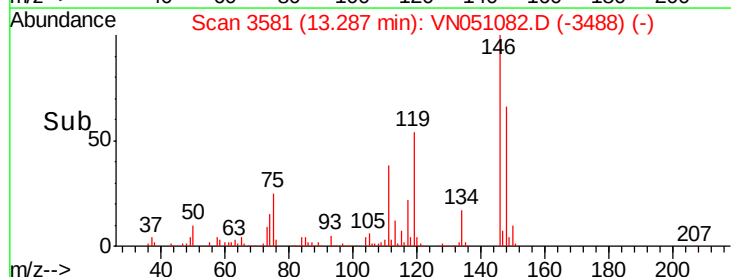
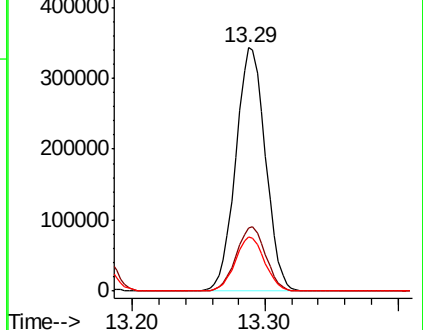
91 21.9 10.9 32.9

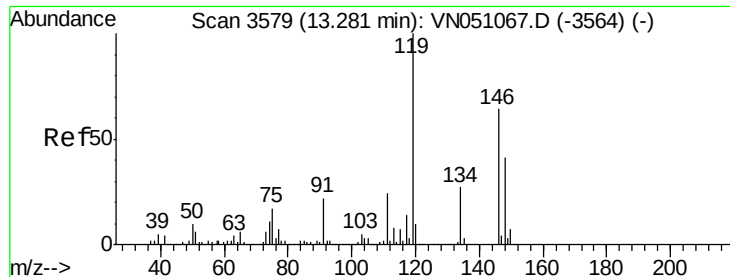


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

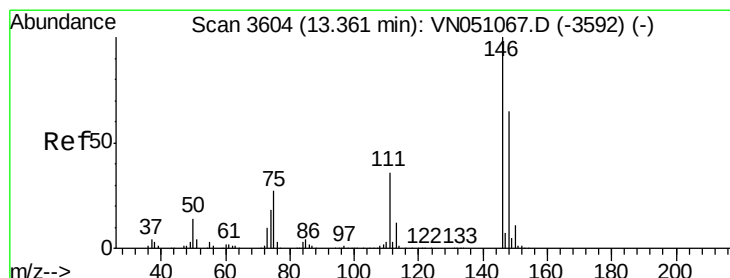
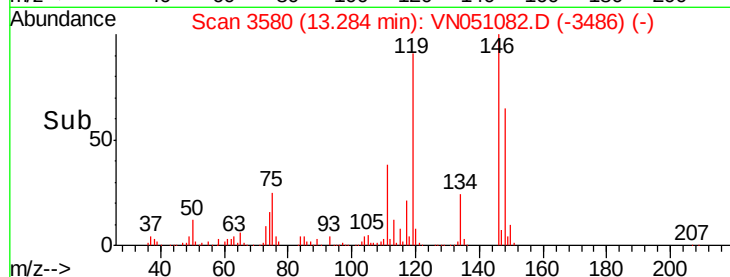
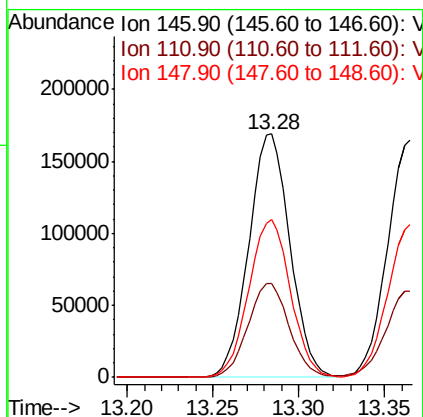
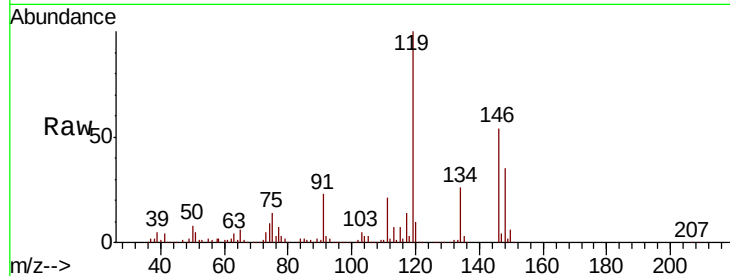




#87
 1,3-Dichlorobenzene
 Concen: 18.07 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

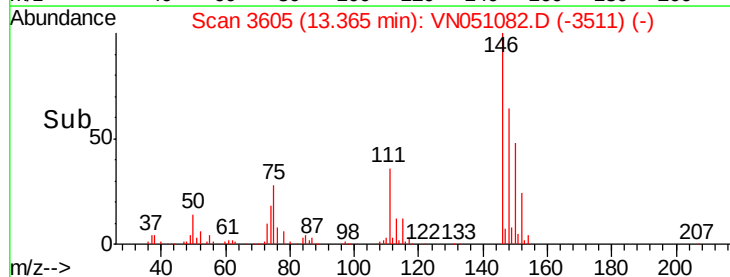
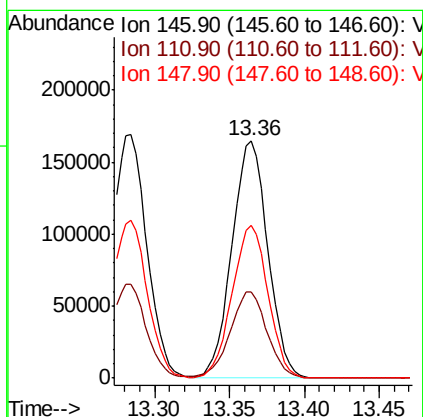
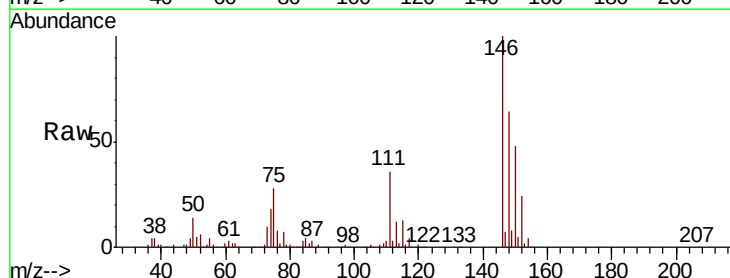
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

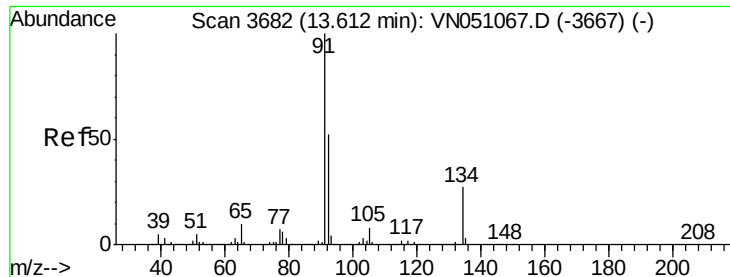
Tot Ion:146 Resp: 280557
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 65.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion:146 Resp: 275266
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.0
 148 64.5 32.2 96.6

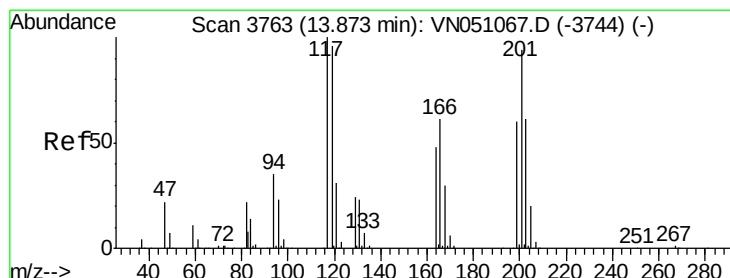
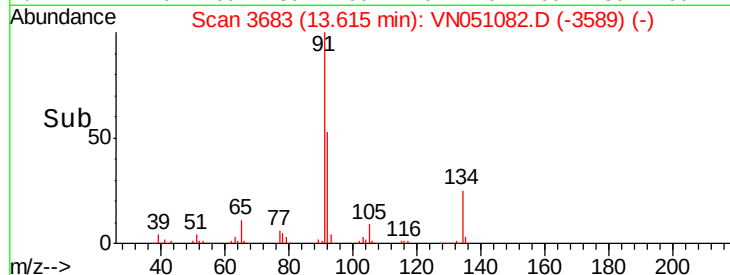
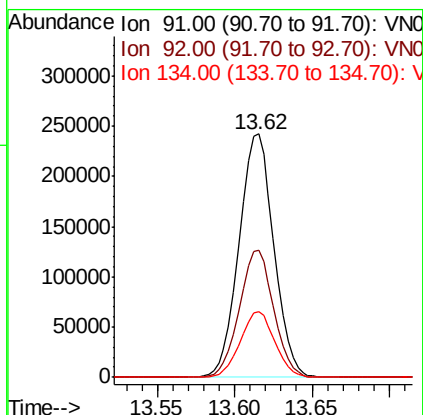
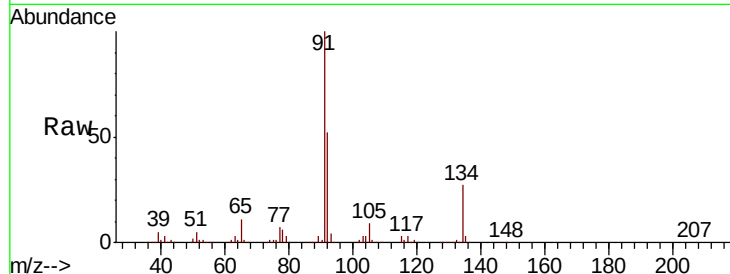




#89
n-Butylbenzene
Concen: 18.40 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

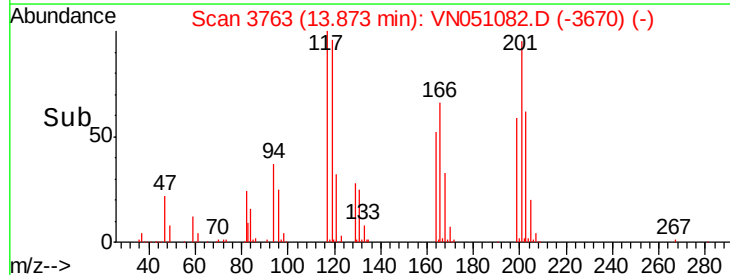
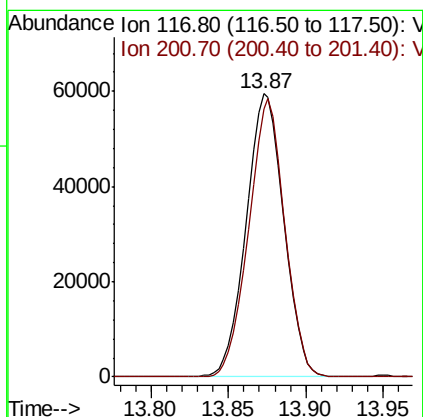
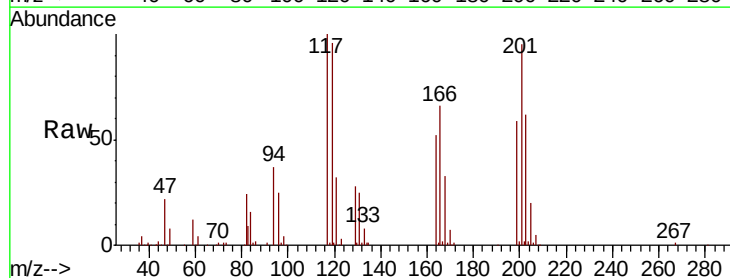
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD01

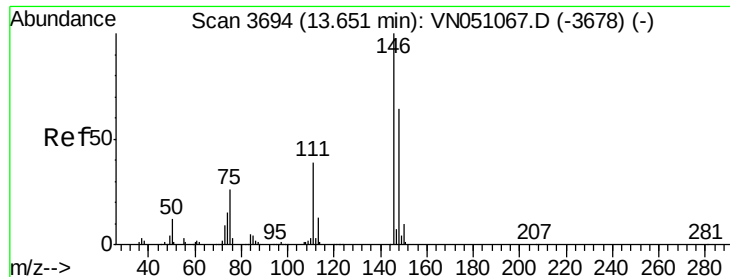
Tot Ion: 91 Resp: 378689
Ion Ratio Lower Upper
91 100
92 51.4 26.2 78.6
134 26.9 13.7 41.1



#90
Hexachloroethane
Concen: 20.62 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051082.D
Acq: 10 Sep 2018 16:59

Tgt Ion: 117 Resp: 100987
Ion Ratio Lower Upper
117 100
201 93.9 47.3 142.0

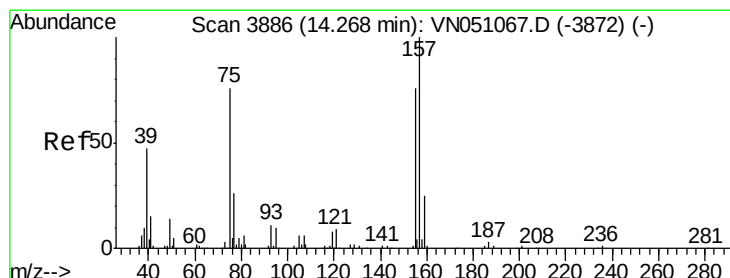
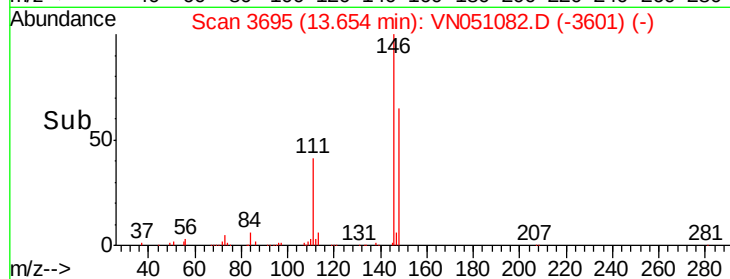
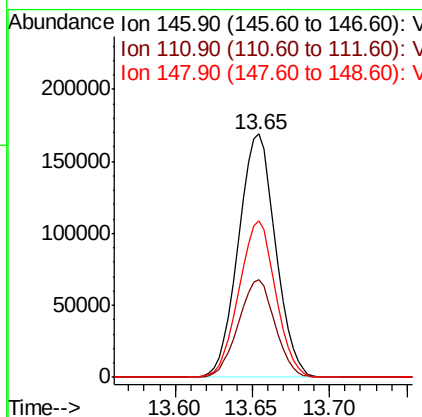
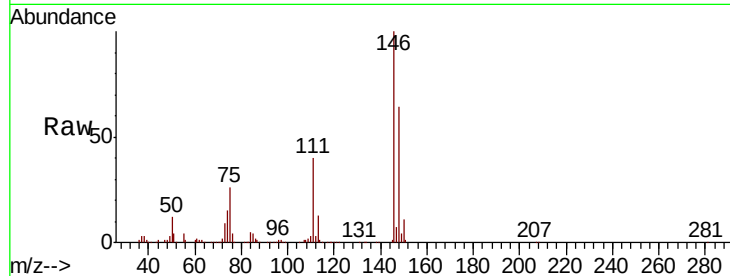




#91
 1,2-Dichlorobenzene
 Concen: 18.67 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

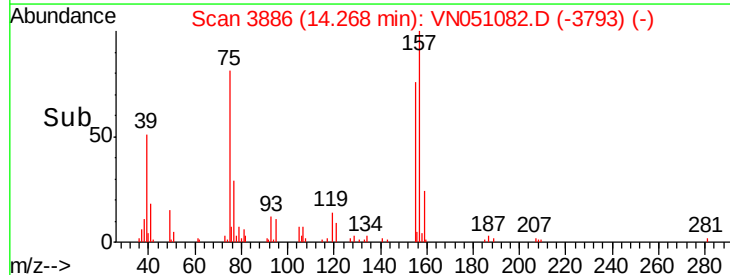
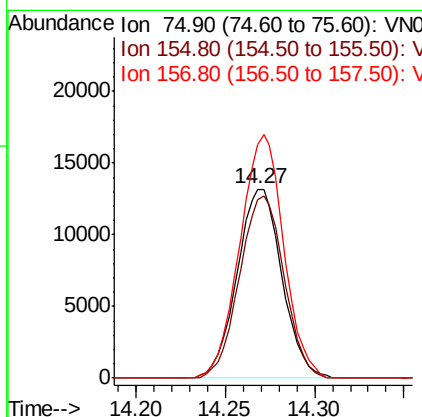
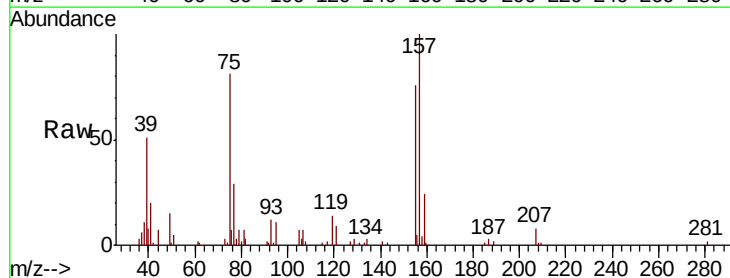
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

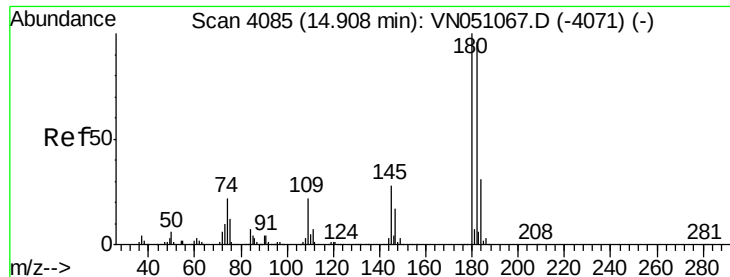
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	63.5	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.22 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	48.7	146.1
157	125.8	63.6	190.9

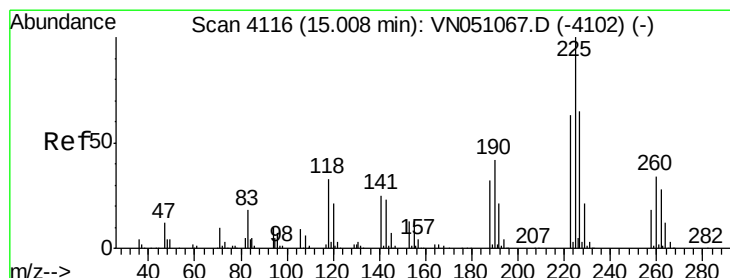
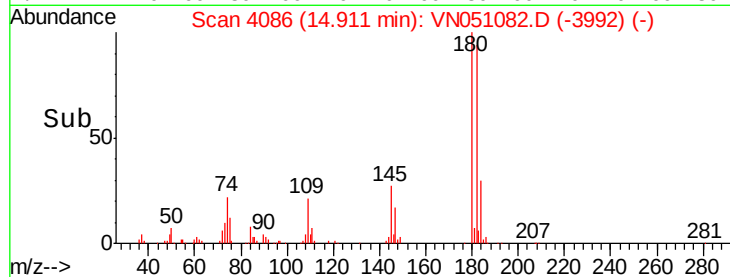
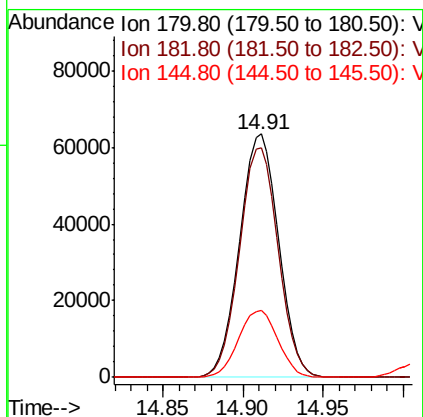
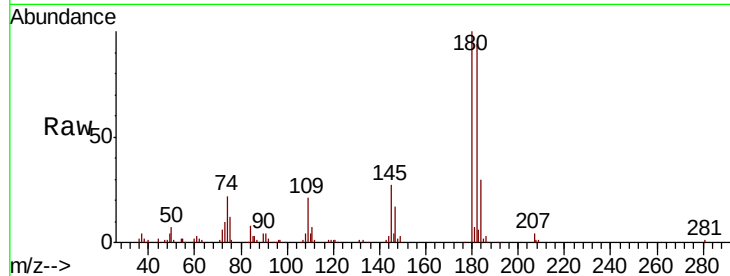




#93
 1,2,4-Trichlorobenzene
 Concen: 17.28 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

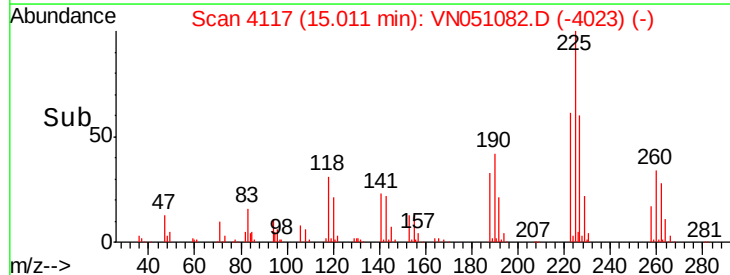
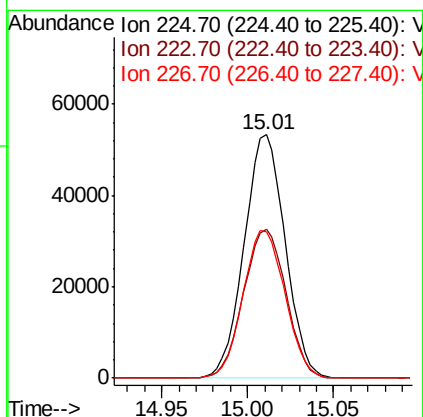
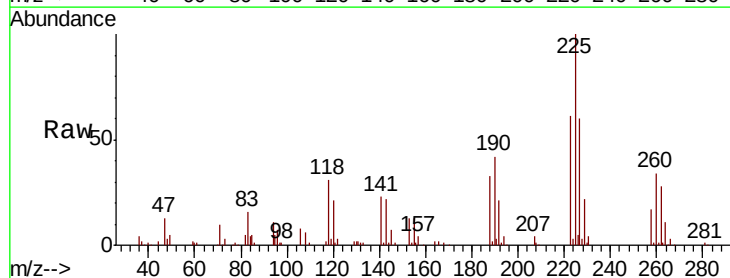
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD01

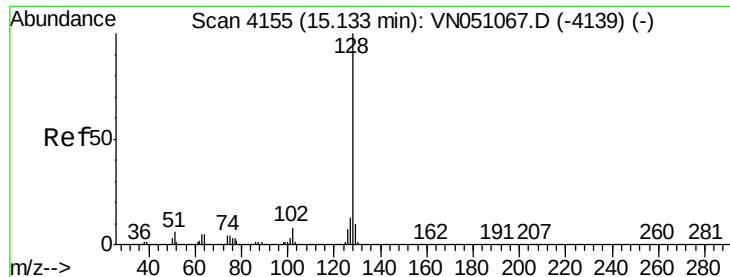
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.8
145	27.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.98 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051082.D
 Acq: 10 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.0
227	62.1	32.1	96.3





#95

Naphthalene

Concen: 17.22 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD01

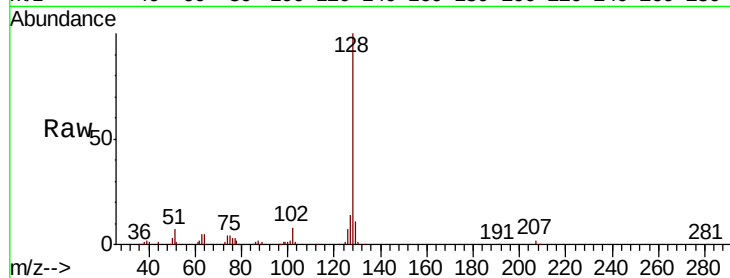
Tot Ion:128 Resp: 203069

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.8 8.6 12.8

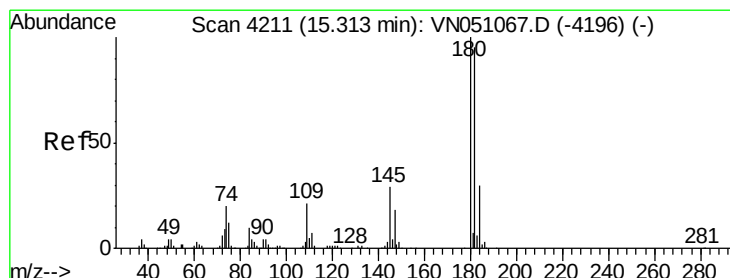
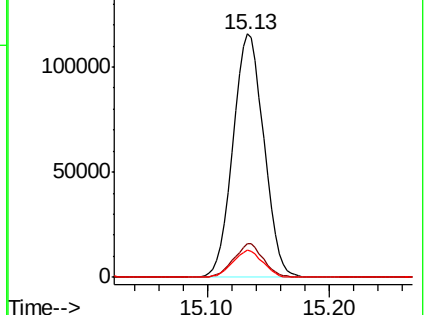
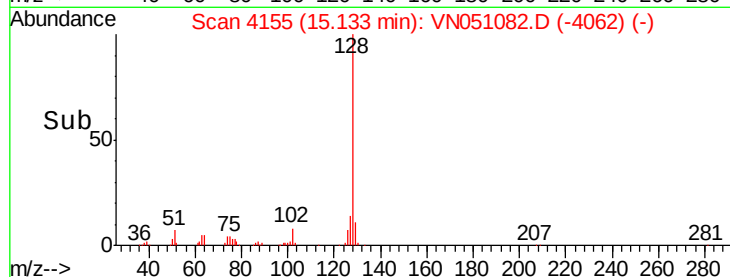


Abundance

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: 17.76 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051082.D

Acq: 10 Sep 2018 16:59

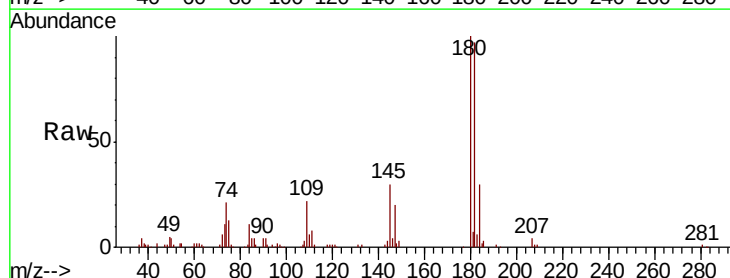
Tgt Ion:180 Resp: 109894

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 30.4 14.6 43.8



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

