

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051276.D
 Acq On : 17 Sep 2018 17:49
 Operator : MD\SY
 Sample : VN0917WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:28:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	787159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	697353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	315509	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	318055	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	10.09	98	1173810	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	356426	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	108997	19.64	ug/l	100
3) Chloromethane	2.06	50	151002	20.73	ug/l	99
4) Vinyl Chloride	2.18	62	143934	19.21	ug/l	98
5) Bromomethane	2.57	94	82249	18.91	ug/l	99
6) Chloroethane	2.70	64	87208	19.51	ug/l	98
7) Trichlorofluoromethane	3.01	101	199567	19.44	ug/l	100
8) Diethyl Ether	3.41	74	66216	19.71	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	122855	19.15	ug/l	100
10) Methyl Iodide	3.95	142	95789	19.12	ug/l	99
11) Tert butyl alcohol	4.79	59	34294	100.13	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	113131	19.52	ug/l	99
13) Acrolein	3.61	56	45096	93.34	ug/l	99
14) Allyl chloride	4.32	41	164610	19.24	ug/l	100
15) Acrylonitrile	4.99	53	181713	101.41	ug/l	99
16) Acetone	3.82	43	136988	94.58	ug/l	97
17) Carbon Disulfide	4.05	76	331954	18.58	ug/l	98
18) Methyl Acetate	4.33	43	86897	20.11	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	283195	20.39	ug/l	100
20) Methylene Chloride	4.55	84	132256	19.43	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	119659	18.84	ug/l	96
22) Diisopropyl ether	5.95	45	349250	21.08	ug/l	97
23) Vinyl Acetate	5.90	43	1093780	101.88	ug/l	99
24) 1,1-Dichloroethane	5.85	63	221051	19.95	ug/l	99
25) 2-Butanone	6.84	43	190985	95.86	ug/l	99
26) 2,2-Dichloropropane	6.82	77	178649	19.83	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	132304	19.50	ug/l	98
28) Bromochloromethane	7.20	49	94843	19.44	ug/l	97
29) Tetrahydrofuran	7.22	42	128716	104.49	ug/l	97
30) Chloroform	7.37	83	227588	20.12	ug/l	99
31) Cyclohexane	7.66	56	193196	19.22	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	191597	19.73	ug/l	99
36) 1,1-Dichloropropene	7.80	75	166428	19.53	ug/l	99
37) Ethyl Acetate	6.93	43	87381	19.95	ug/l	99
38) Carbon Tetrachloride	7.78	117	175386	19.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	181225	19.58	ug/l	99
40) Benzene	8.05	78	514772	20.30	ug/l	100
41) Methacrylonitrile	7.18	41	42149	18.75	ug/l	88
42) 1,2-Dichloroethane	8.13	62	154455	20.72	ug/l	99
43) Isopropyl Acetate	8.17	43	153513	20.25	ug/l	99
44) Trichloroethene	8.84	130	140896	19.77	ug/l	99
45) 1,2-Dichloropropane	9.12	63	134735	20.96	ug/l	99
46) Dibromomethane	9.21	93	78468	20.04	ug/l	98
47) Bromodichloromethane	9.40	83	168132	20.15	ug/l	98
48) Methyl methacrylate	9.20	41	73382	20.10	ug/l	99
49) 1,4-Dioxane	9.20	88	20948	396.65	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	417365	106.72	ug/l	99
52) Toluene	10.16	92	316602	20.86	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	156582	19.97	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	190498	20.34	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	111870	20.61	ug/l	98
56) Ethyl methacrylate	10.43	69	122357	19.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	182470	20.64	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	269289	93.22	ug/l	99
59) 2-Hexanone	10.75	43	254887	98.98	ug/l	99
60) Dibromochloromethane	10.90	129	126954	19.88	ug/l	99
61) 1,2-Dibromoethane	11.01	107	105339	20.20	ug/l	99
64) Tetrachloroethene	10.63	164	128474	19.41	ug/l	98
65) Chlorobenzene	11.43	112	343093	19.89	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	132149	20.24	ug/l	99
67) Ethyl Benzene	11.51	91	550834	20.04	ug/l	99
68) m/p-Xylenes	11.62	106	442263	41.42	ug/l	99
69) o-Xylene	11.95	106	208135	20.45	ug/l	98
70) Styrene	11.96	104	324018	18.80	ug/l	99
71) Bromoform	12.13	173	84860	19.60	ug/l #	99
73) Isopropylbenzene	12.25	105	547300	20.33	ug/l	100
74) N-amyl acetate	12.07	43	107019	19.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	128018	21.22	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	147036	32.73	ug/l #	100
77) Bromobenzene	12.53	156	141625	20.51	ug/l	99
78) n-propylbenzene	12.59	91	589050	20.29	ug/l	99
79) 2-Chlorotoluene	12.67	91	363430	19.69	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445788	20.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28663	19.95	ug/l	97
82) 4-Chlorotoluene	12.77	91	352552	20.08	ug/l	100
83) tert-Butylbenzene	12.99	119	388259	20.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	442832	21.19	ug/l	100
85) sec-Butylbenzene	13.17	105	491024	20.33	ug/l	99
86) p-Isopropyltoluene	13.29	119	421751	20.83	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	227852	19.16	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219714	19.76	ug/l	99
89) n-Butylbenzene	13.62	91	287954	18.63	ug/l	99
90) Hexachloroethane	13.88	117	82352	20.34	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	222882	20.04	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15831	20.26	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration

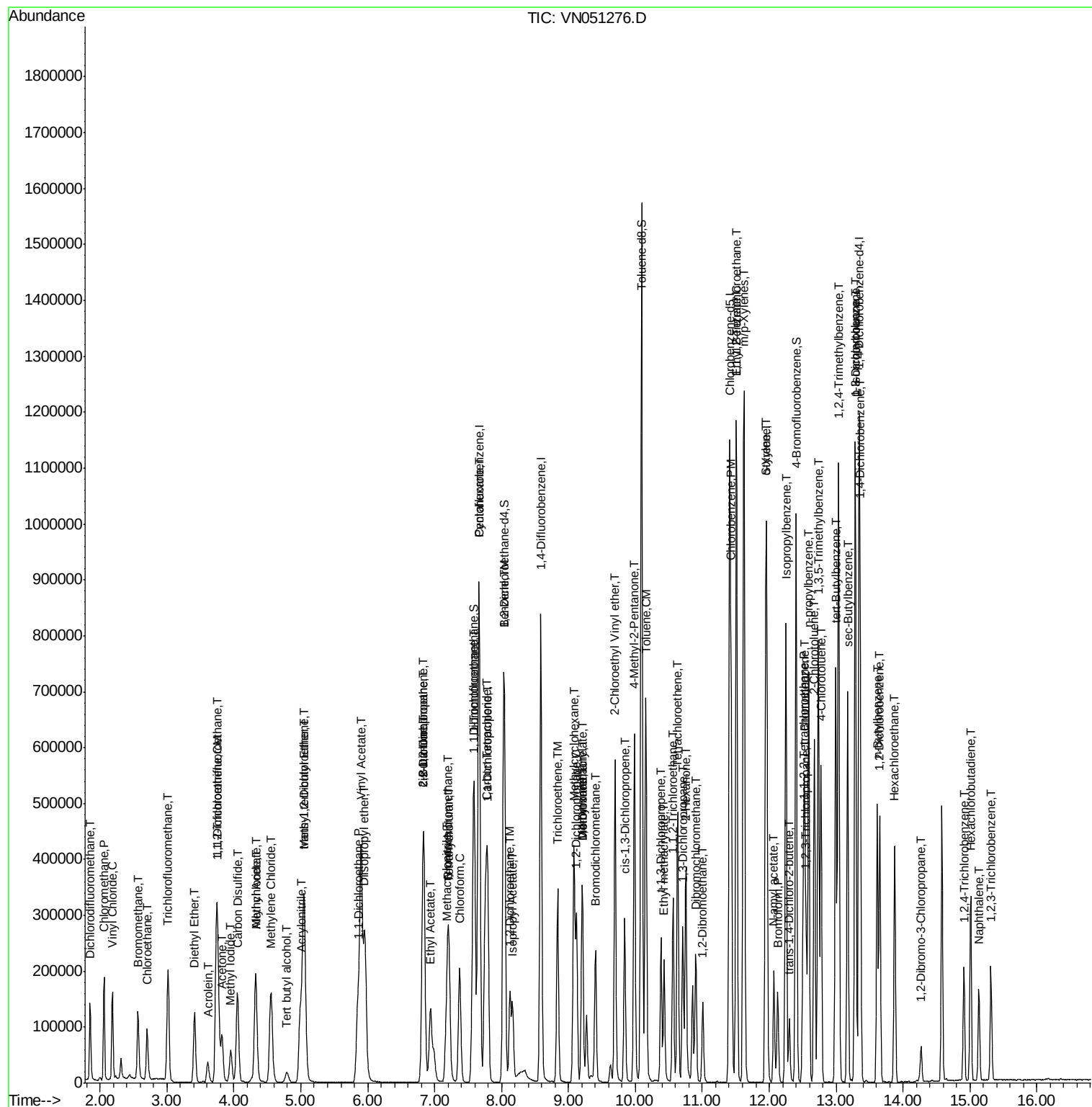
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72882	17.21	ug/l	98
94) Hexachlorobutadiene	15.01	225	72723	19.06	ug/l	97
95) Naphthalene	15.13	128	146328	18.84	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	77954	17.98	ug/l	99

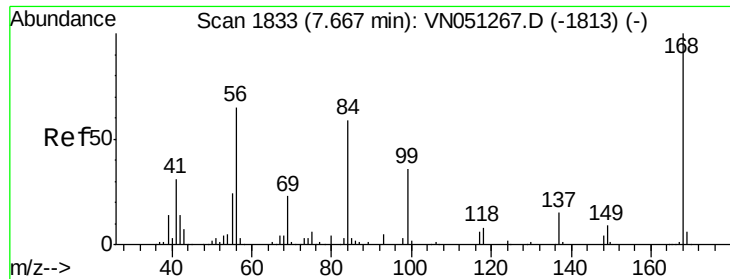
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091718\
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Quant Time: Sep 18 15:06:41 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

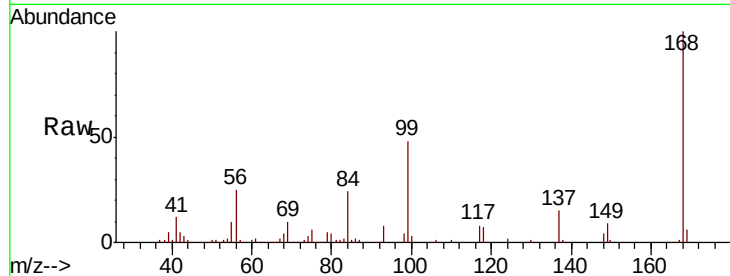
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 572293

Ion Ratio Lower Upper

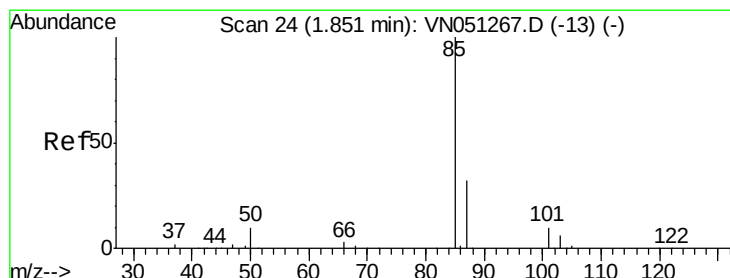
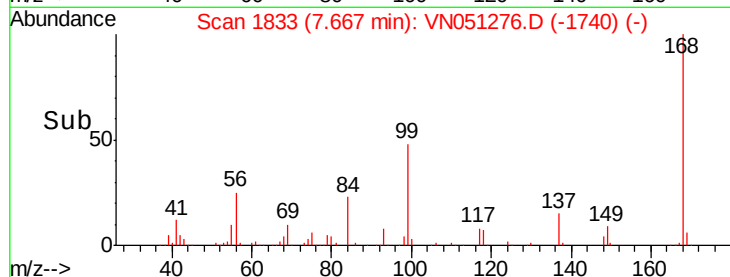
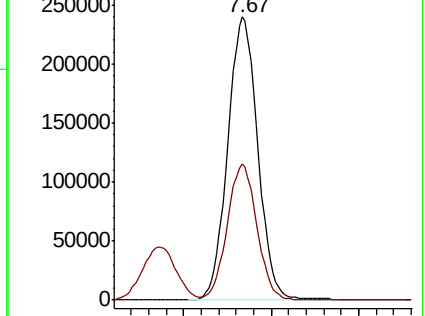
168 100

99 47.9 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.64 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051276.D

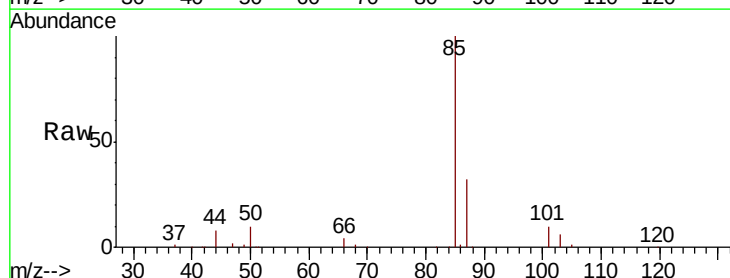
Acq: 17 Sep 2018 17:49

Tgt Ion: 85 Resp: 108997

Ion Ratio Lower Upper

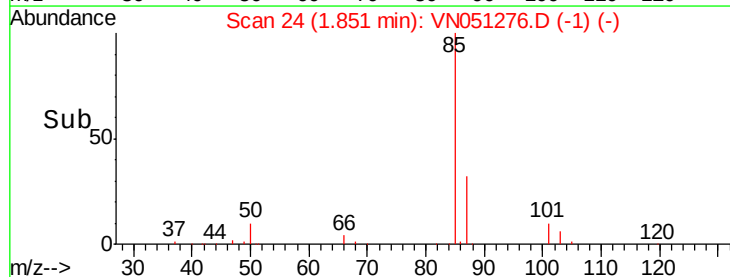
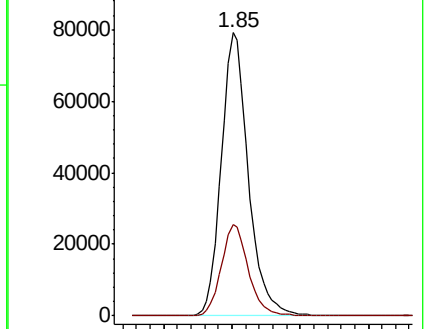
85 100

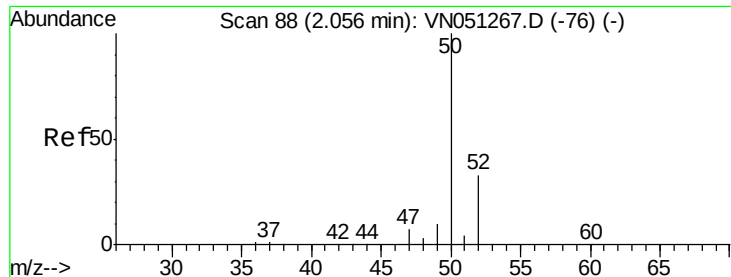
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.73 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

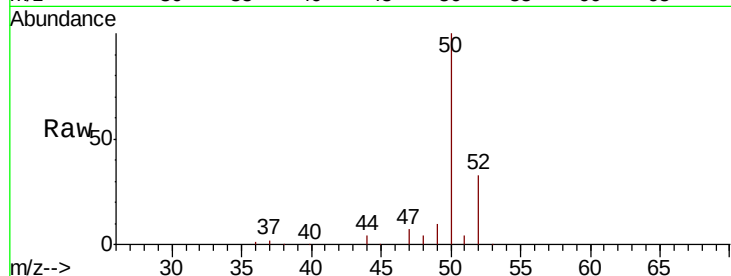
ClientSampled :

Tot Ion: 50 Resp: 151002

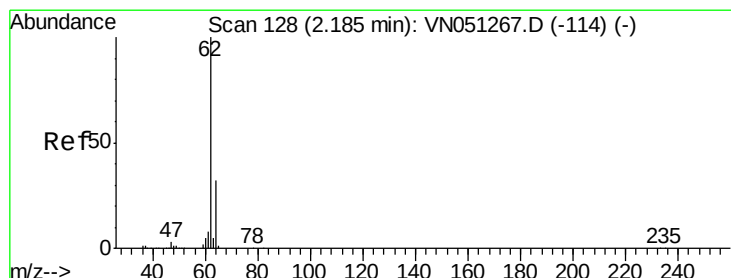
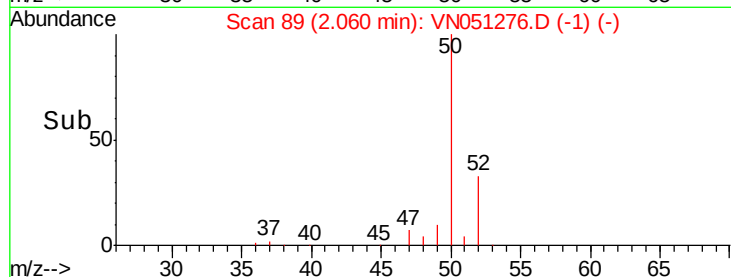
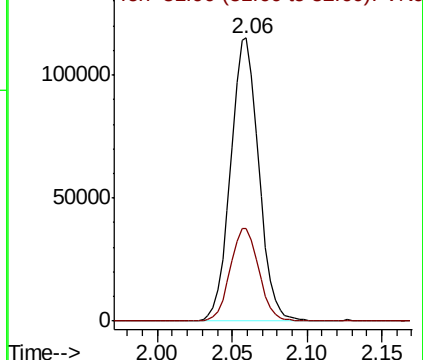
Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051276.D

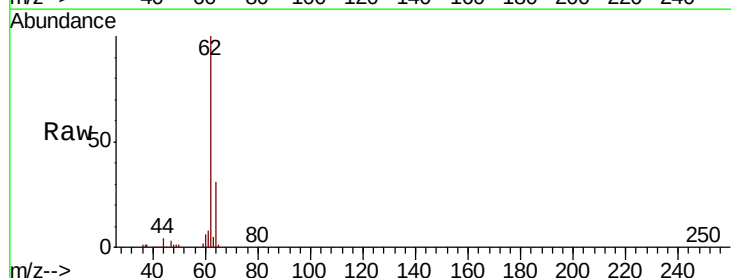
Acq: 17 Sep 2018 17:49

Tgt Ion: 62 Resp: 143934

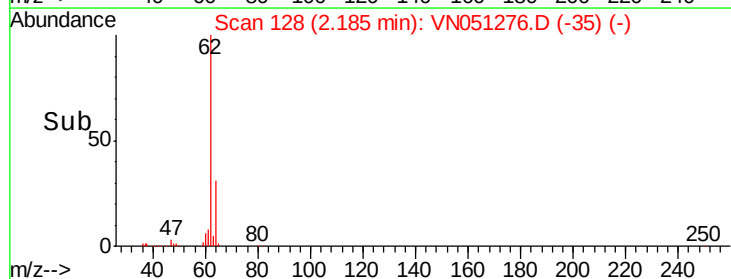
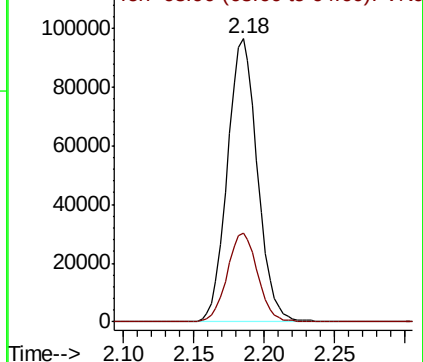
Ion Ratio Lower Upper

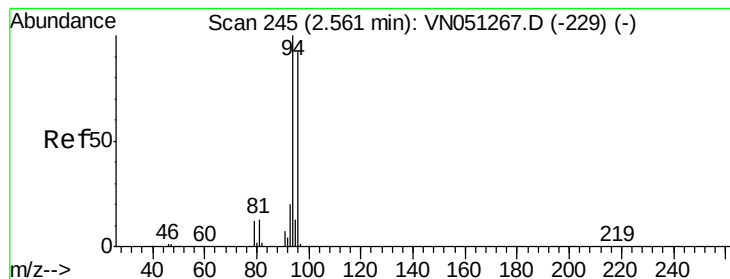
62 100

64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.91 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

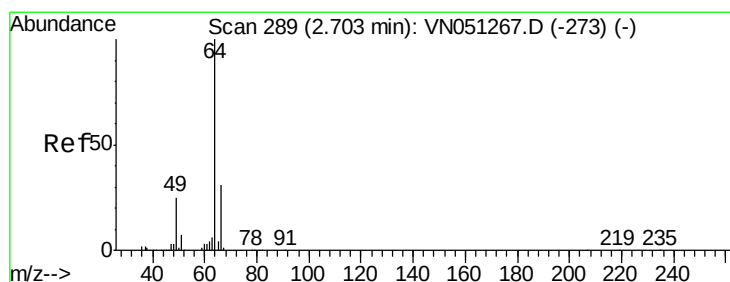
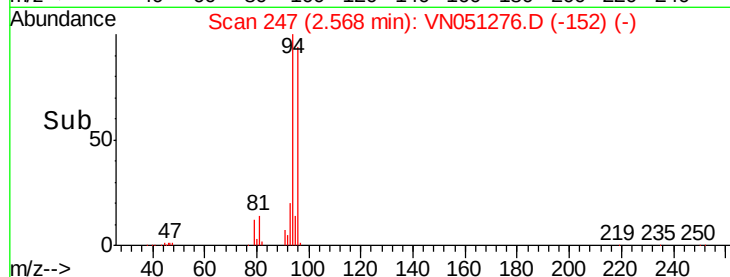
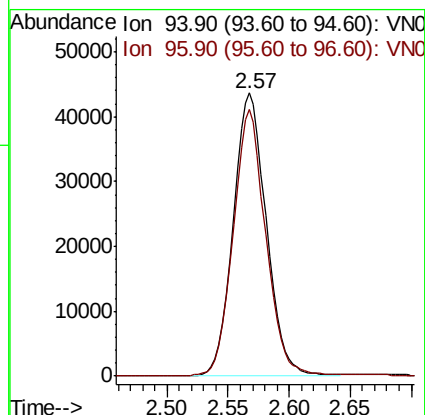
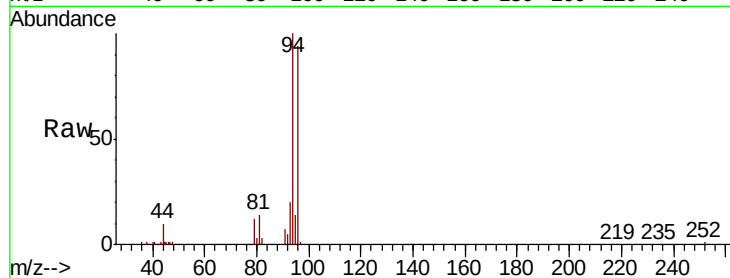
ClientSampleId :

Tot Ion: 94 Resp: 82249

Ion Ratio Lower Upper

94 100

96 93.7 73.8 110.8



#6

Chloroethane

Concen: 19.51 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051276.D

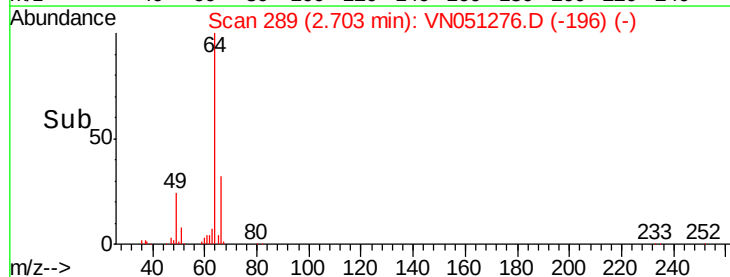
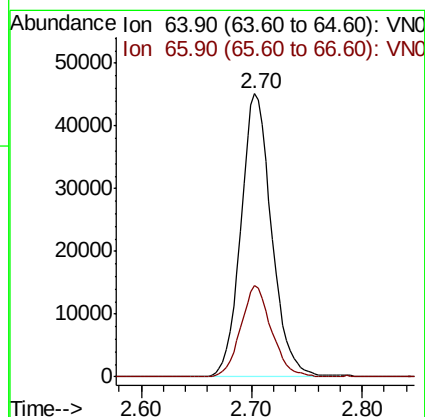
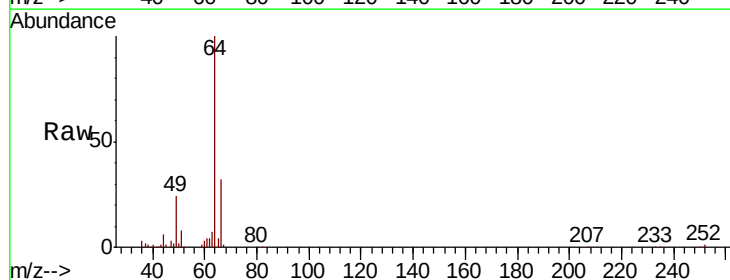
Acq: 17 Sep 2018 17:49

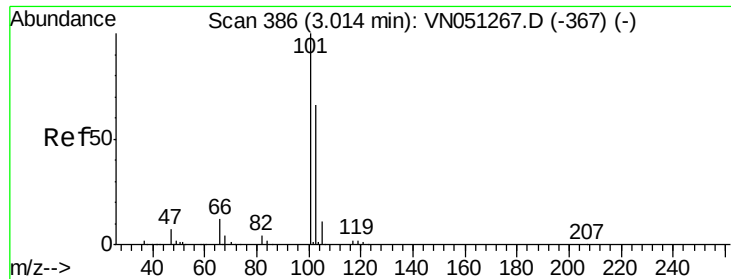
Tgt Ion: 64 Resp: 87208

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3



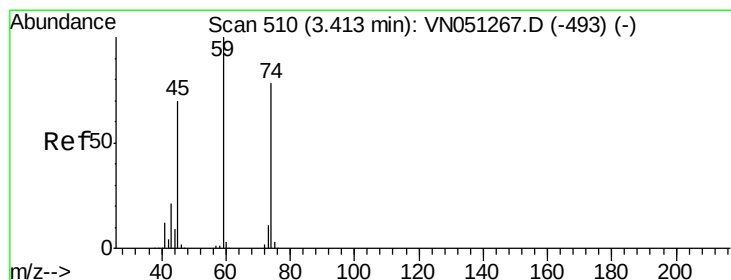
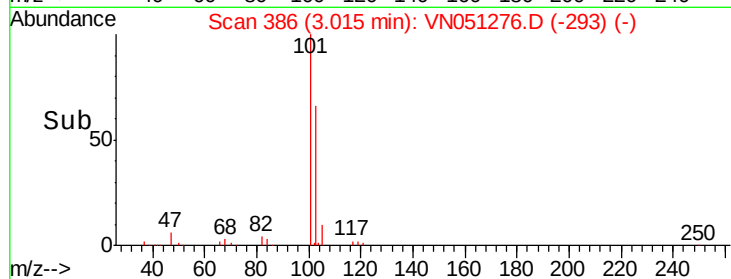
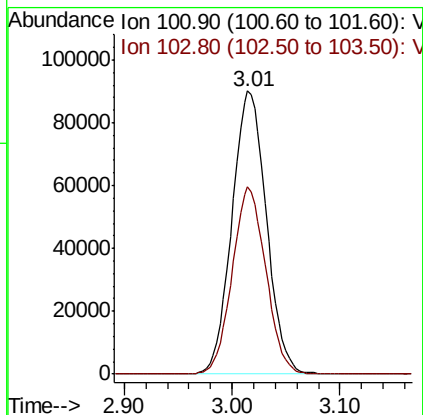
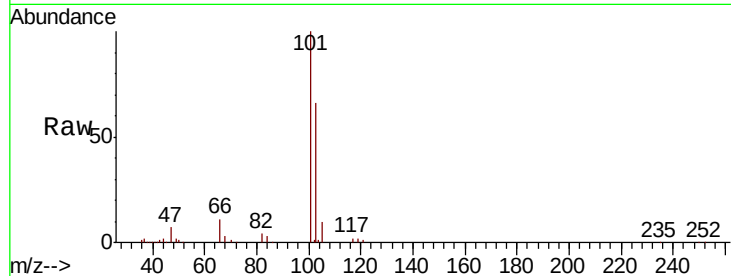


#7

Trichlorofluoromethane
 Concen: 19.44 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Instrument :
 MSVOA_N
 ClientSampled :

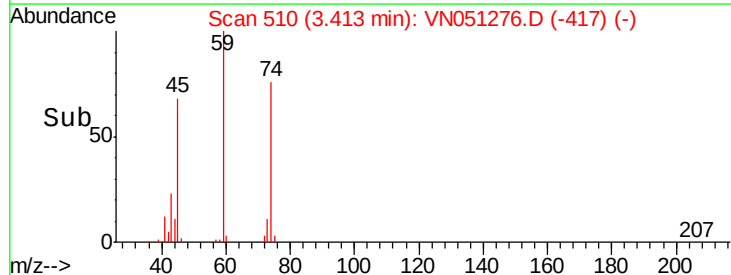
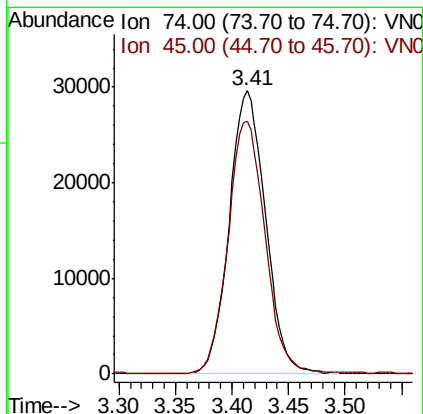
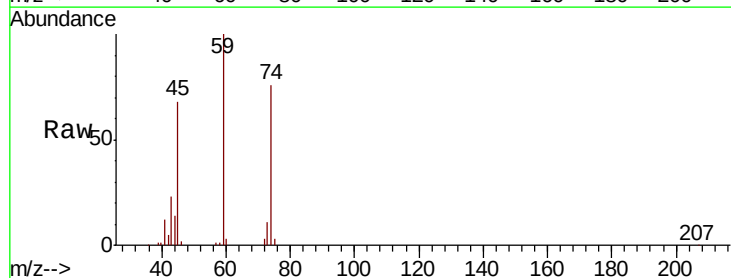
Tot Ion:101 Resp: 199567
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.7 79.1

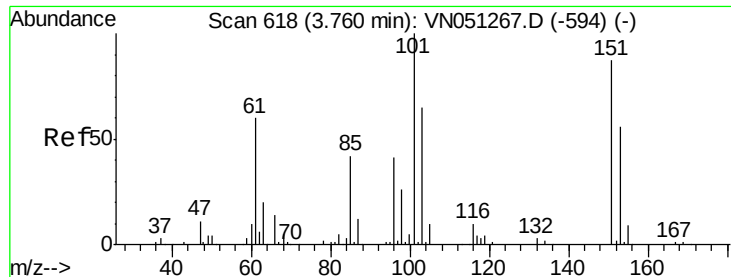


#8

Diethyl Ether
 Concen: 19.71 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion: 74 Resp: 66216
 Ion Ratio Lower Upper
 74 100
 45 91.0 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.15 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

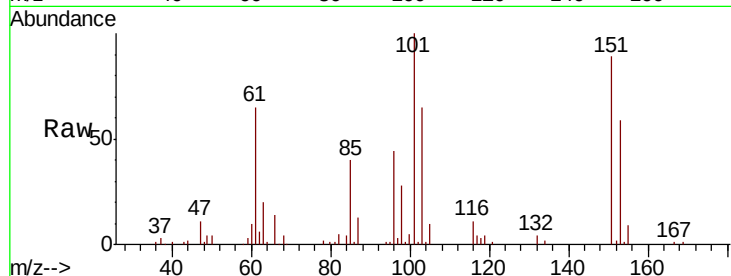
Tot Ion:101 Resp: 122855

Ion Ratio Lower Upper

101 100

85 40.6 33.0 49.6

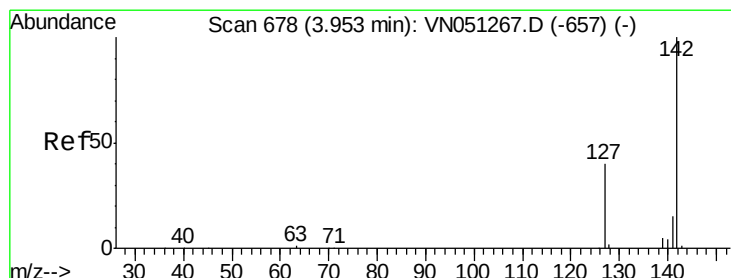
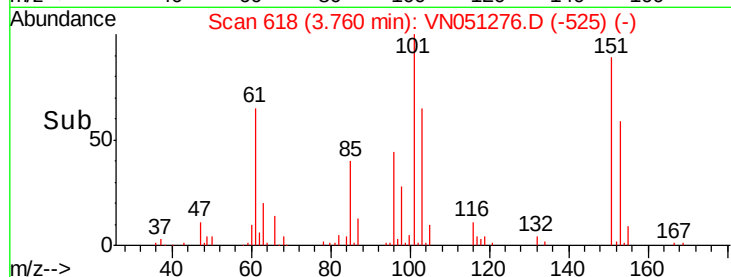
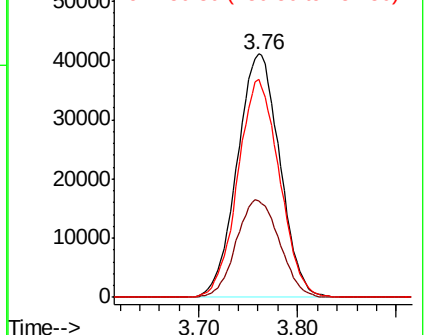
151 87.4 69.8 104.8



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: 19.12 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

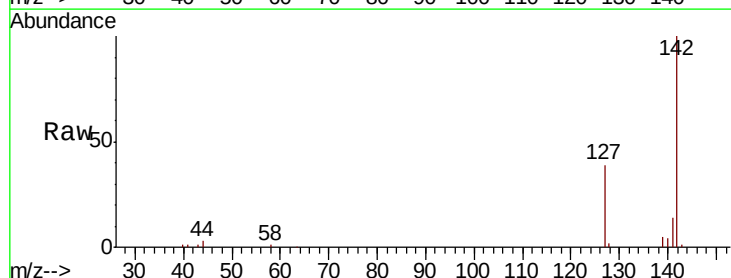
Tgt Ion:142 Resp: 95789

Ion Ratio Lower Upper

142 100

127 39.1 31.7 47.5

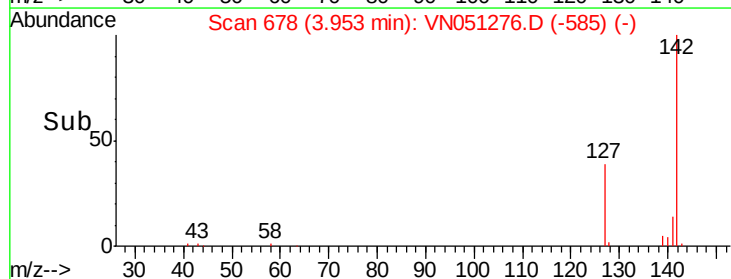
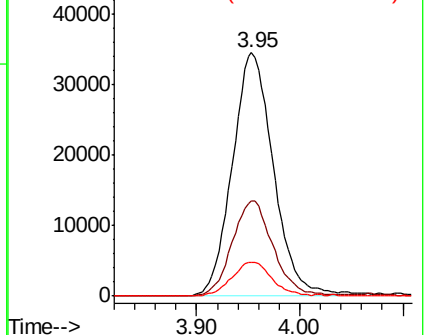
141 13.6 11.6 17.4

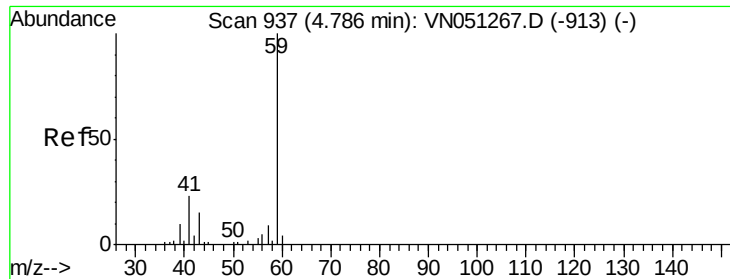


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

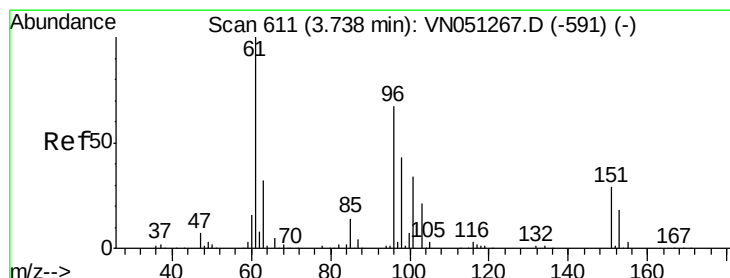
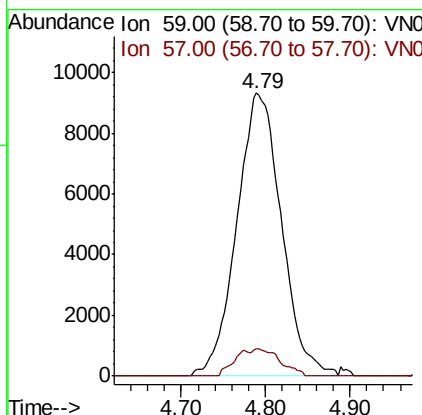
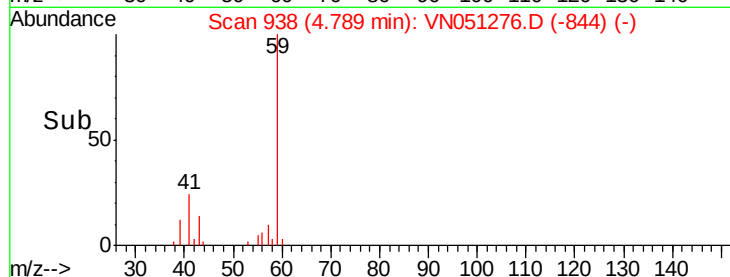
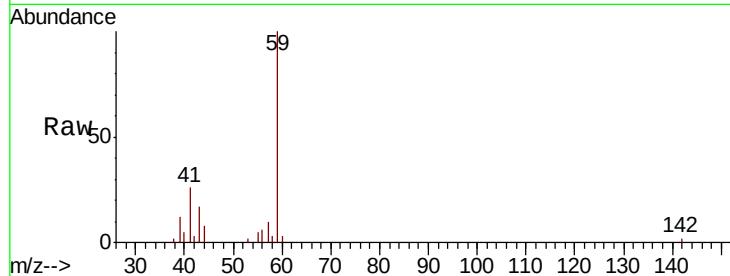




#11
Tert butyl alcohol
Concen: 100.13 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

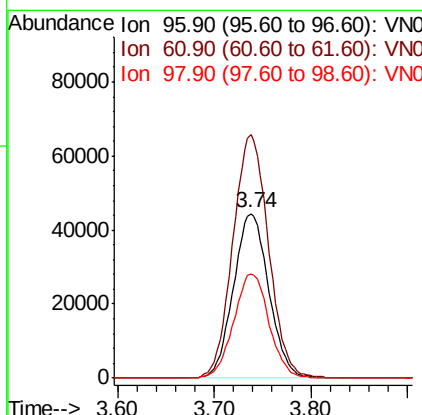
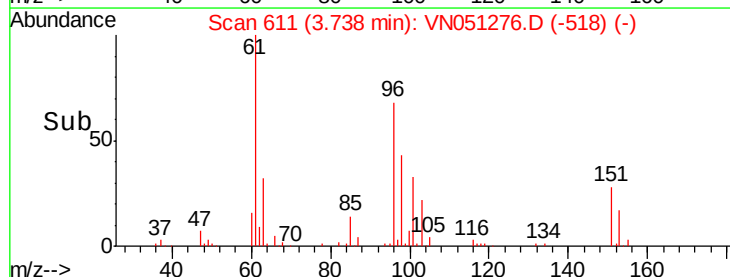
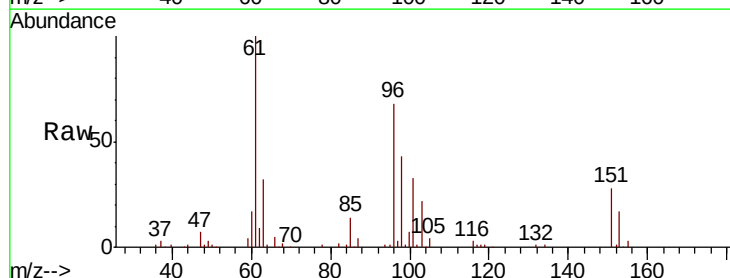
Instrument :
MSVOA_N
ClientSampled :

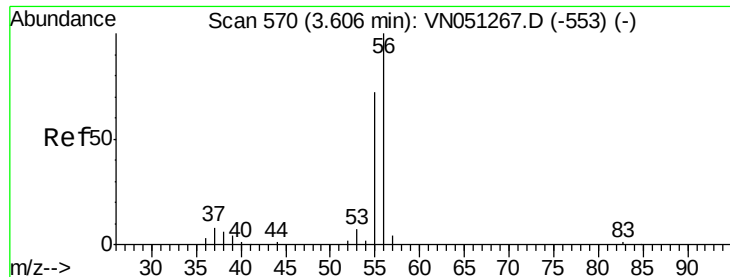
Tot Ion: 59 Resp: 34294
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 19.52 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 96 Resp: 113131
Ion Ratio Lower Upper
96 100
61 148.0 119.3 178.9
98 63.6 51.8 77.6





#13

Acrolein

Concen: 93.34 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

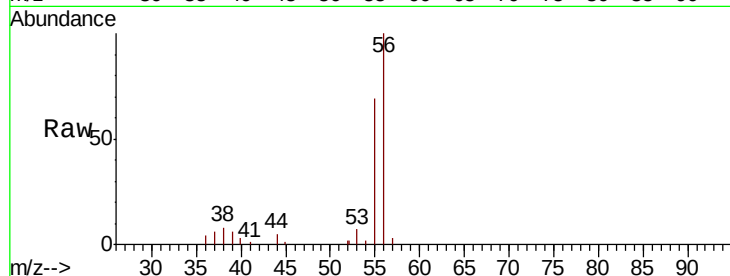
ClientSampleId :

Tot Ion: 56 Resp: 45096

Ion Ratio Lower Upper

56 100

55 71.6 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

20000

15000

10000

5000

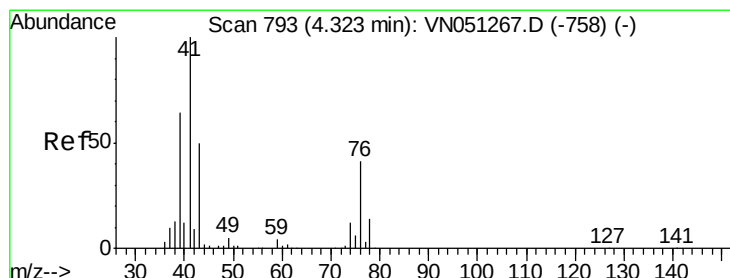
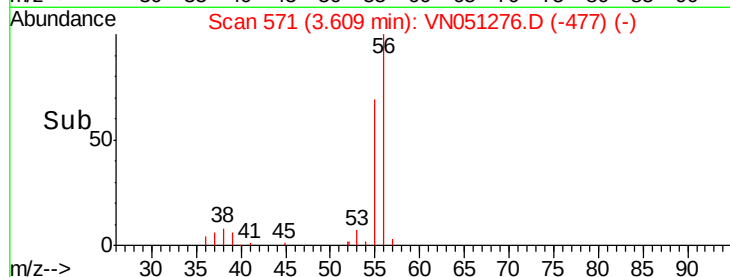
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 19.24 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

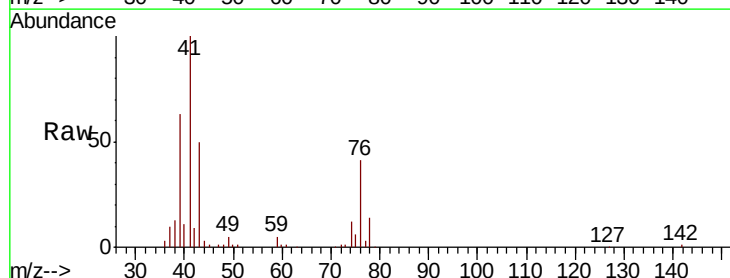
Tgt Ion: 41 Resp: 164610

Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.4

76 39.4 31.4 47.0



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

4.32

60000

40000

20000

0

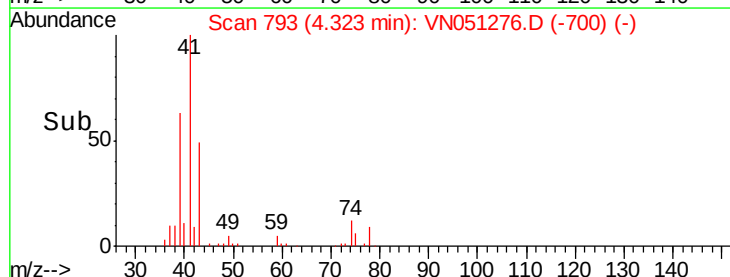
Time-->

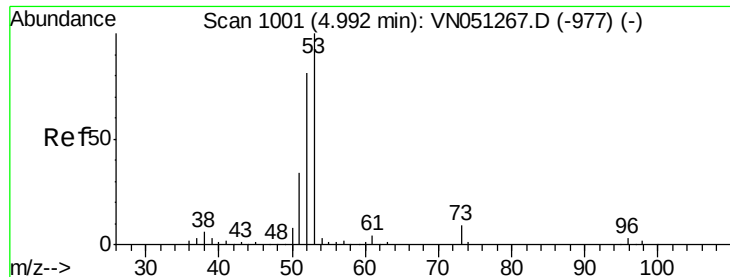
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 101.41 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

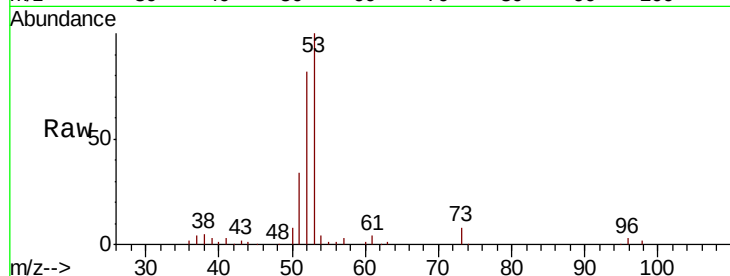
Tot Ion: 53 Resp: 181713

Ion Ratio Lower Upper

53 100

52 80.6 65.0 97.6

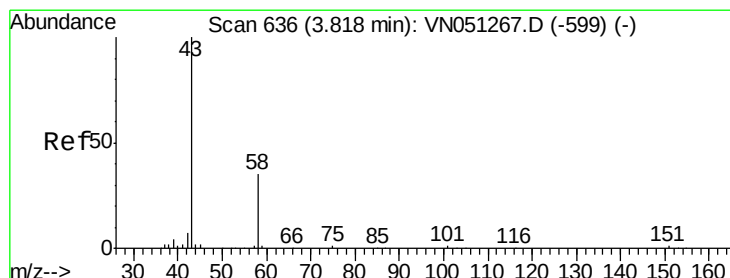
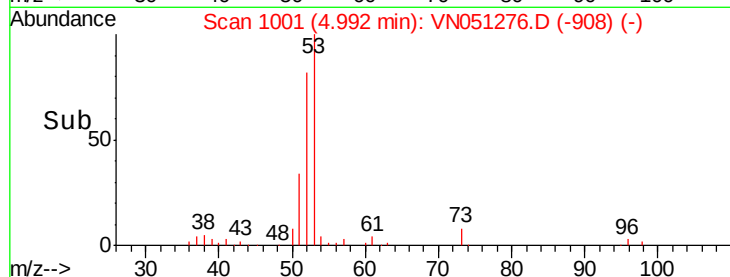
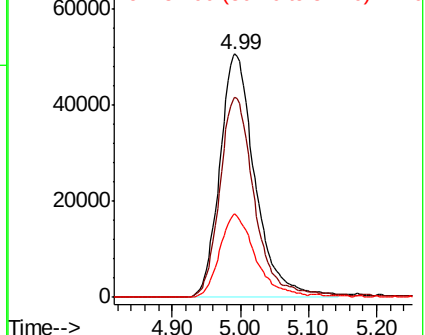
51 34.5 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.58 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051276.D

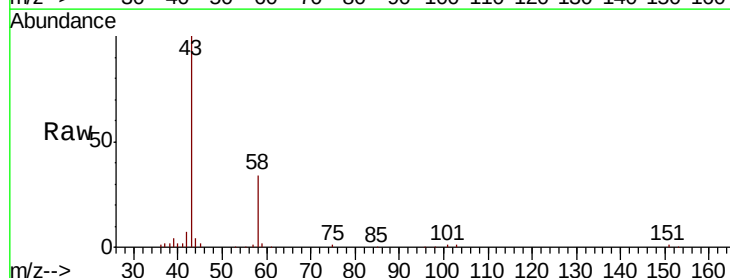
Acq: 17 Sep 2018 17:49

Tgt Ion: 43 Resp: 136988

Ion Ratio Lower Upper

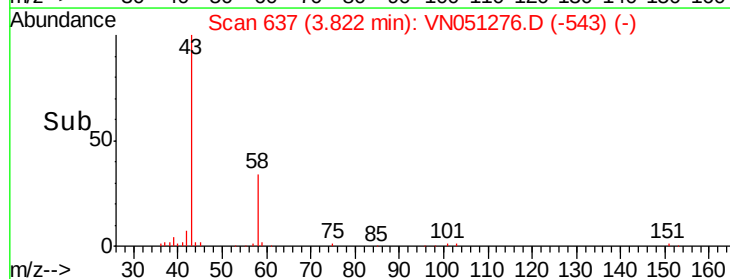
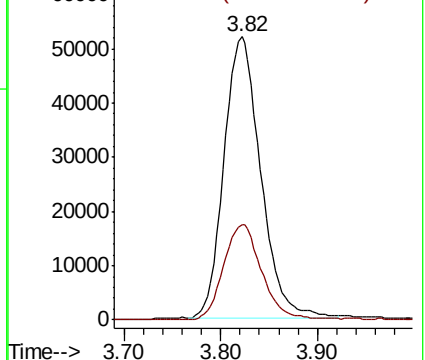
43 100

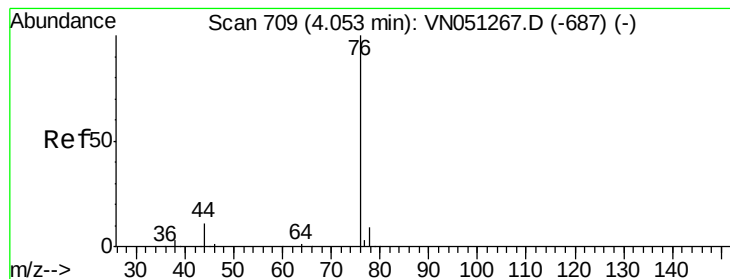
58 33.6 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.58 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

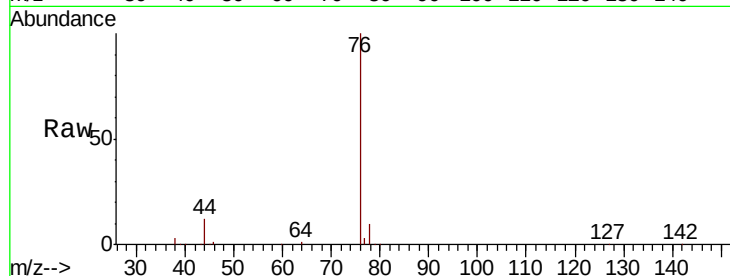
ClientSampleId :

Tot Ion: 76 Resp: 331954

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN051276.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051276.D (-616) (-)

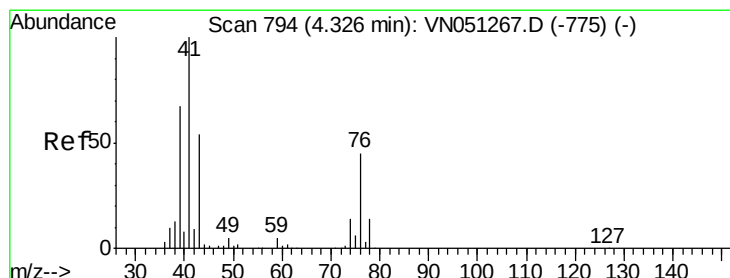
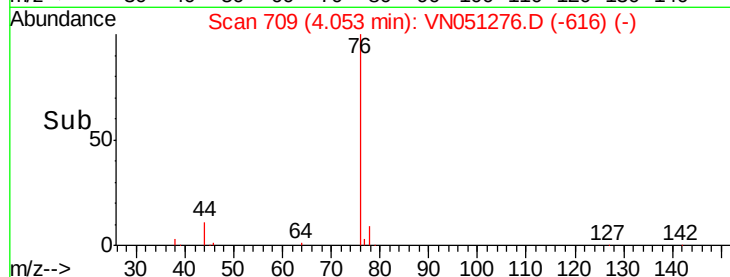
4.05

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.11 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051276.D

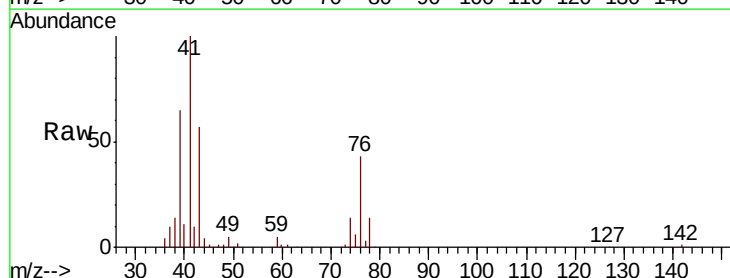
Acq: 17 Sep 2018 17:49

Tgt Ion: 43 Resp: 86897

Ion Ratio Lower Upper

43 100

74 24.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN051276.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051276.D (-701) (-)

4.33

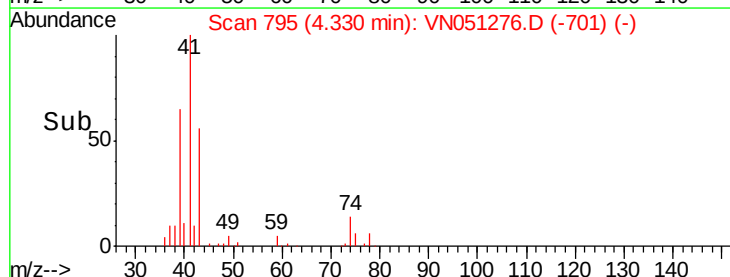
30000

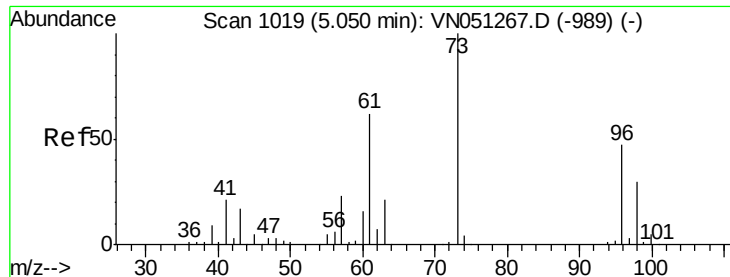
20000

10000

0

Time-->

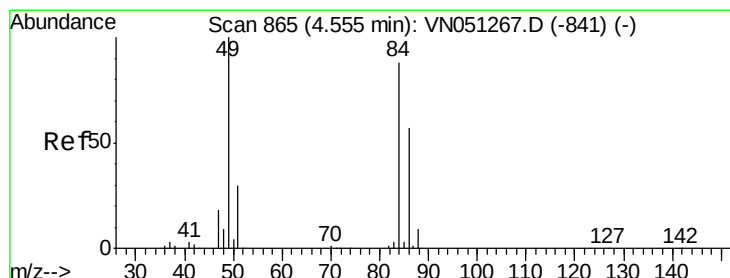
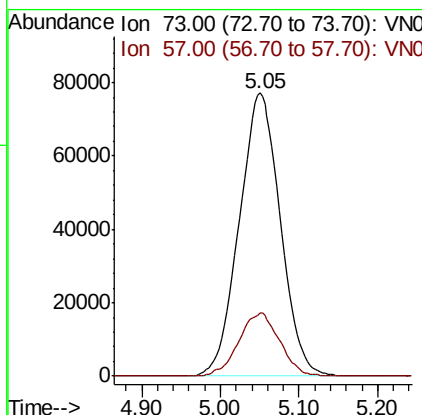
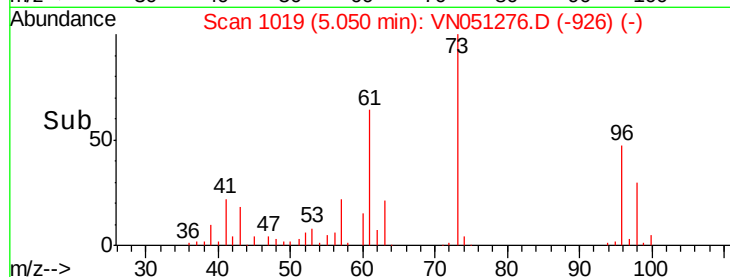
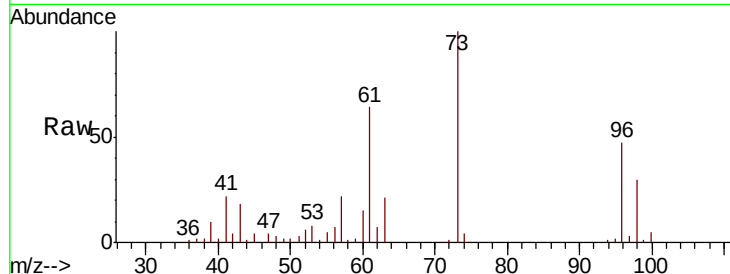




#19
Methyl tert-butyl Ether
Concen: 20.39 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

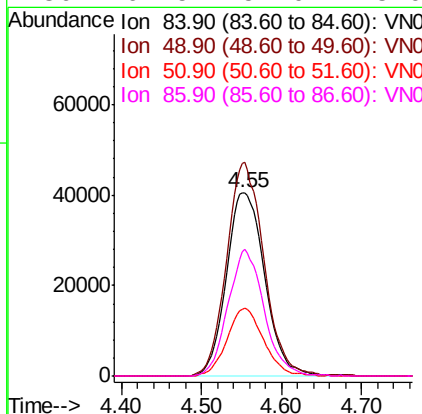
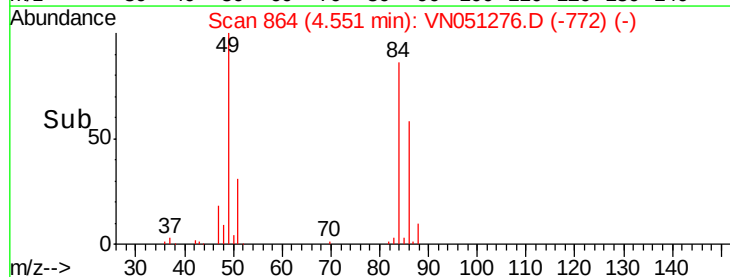
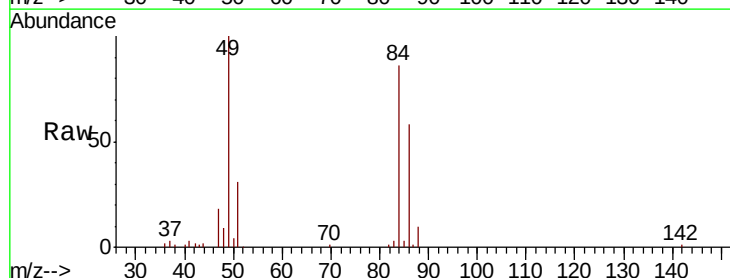
Instrument :
MSVOA_N
ClientSampled :

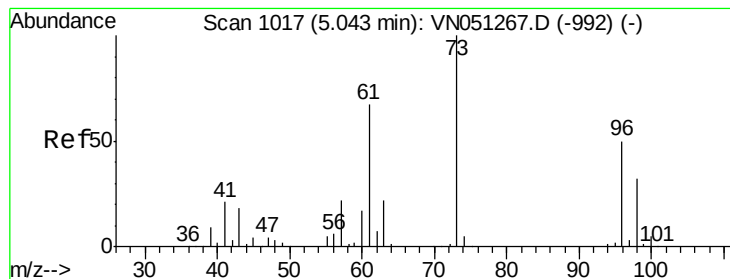
Tot Ion: 73 Resp: 283195
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 19.43 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 84 Resp: 132256
Ion Ratio Lower Upper
84 100
49 115.9 91.2 136.8
51 36.4 27.7 41.5
86 67.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.84 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :
MSVOA_N
ClientSampled :

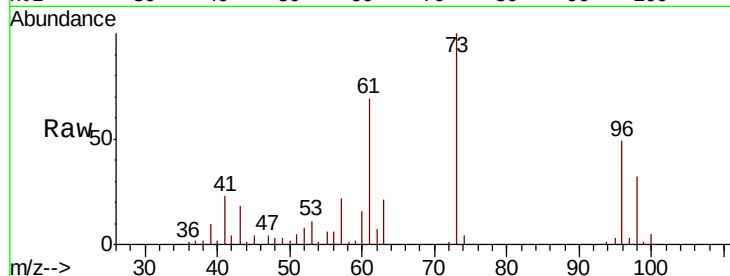
Tot Ion: 96 Resp: 119659

Ion Ratio Lower Upper

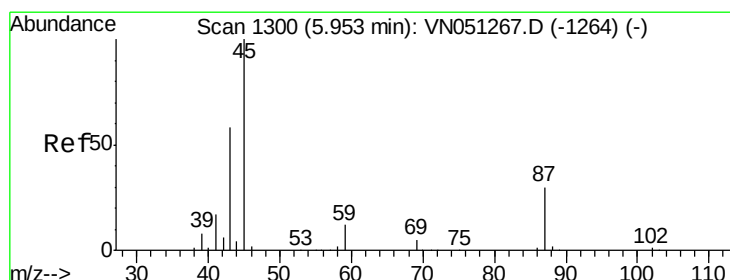
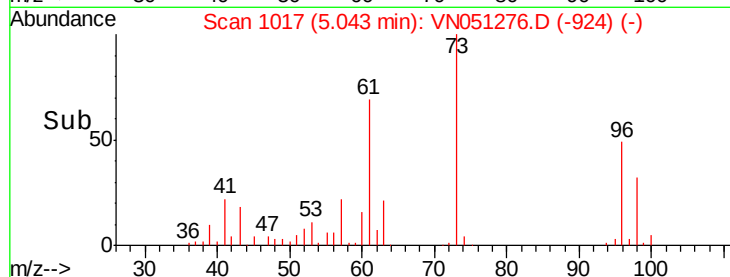
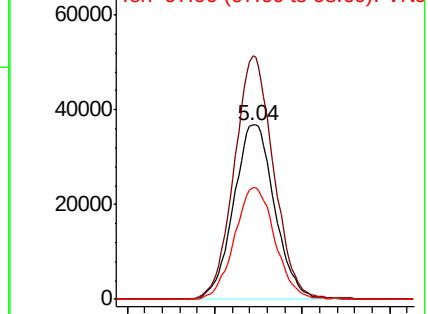
96 100

61 139.8 106.7 160.1

98 64.5 51.4 77.0



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



#22

Diisopropyl ether

Concen: 21.08 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Tgt Ion: 45 Resp: 349250

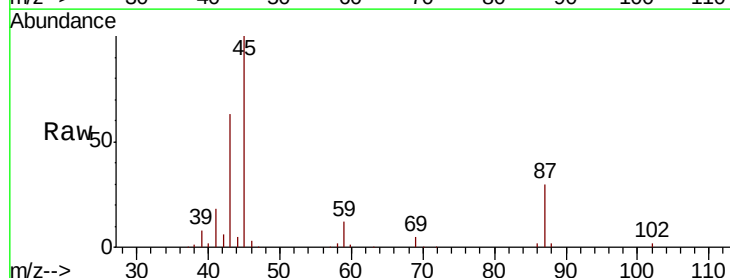
Ion Ratio Lower Upper

45 100

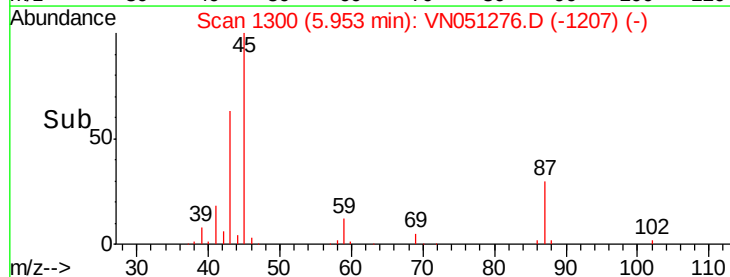
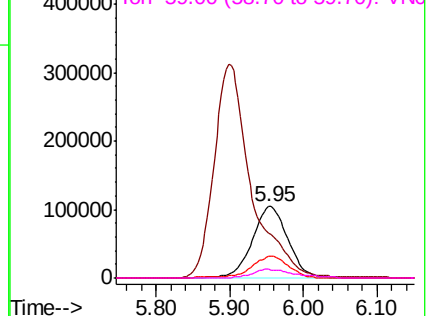
43 61.3 46.7 70.1

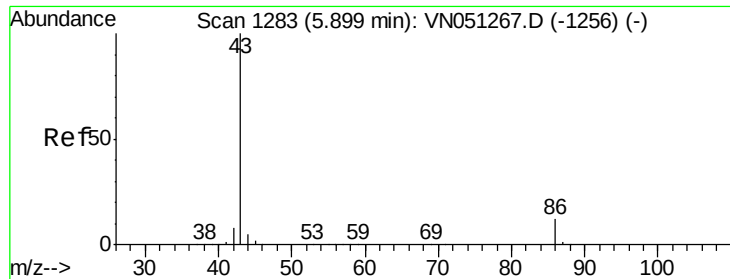
87 30.0 24.6 36.8

59 11.6 9.6 14.4



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

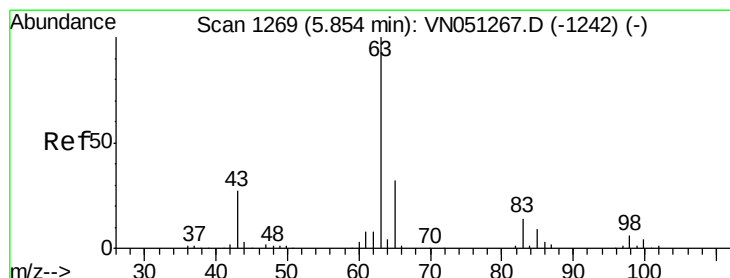
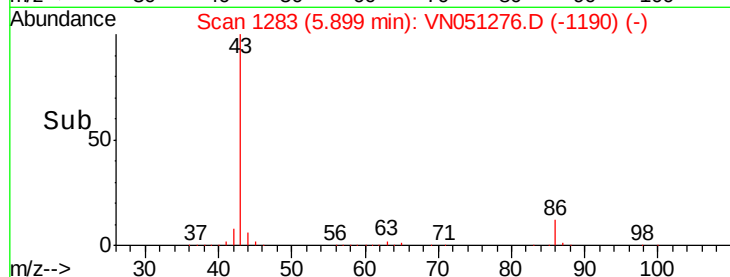
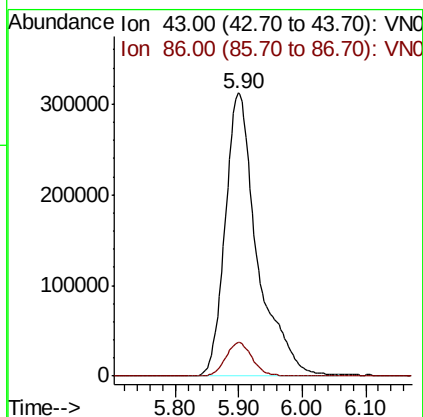
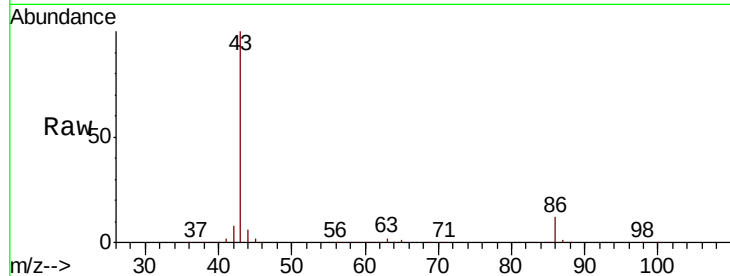




#23
 Vinyl Acetate
 Concen: 101.88 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

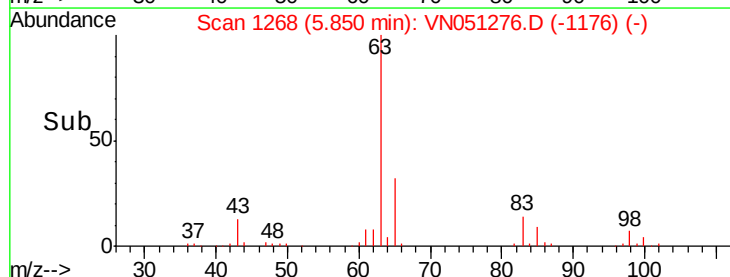
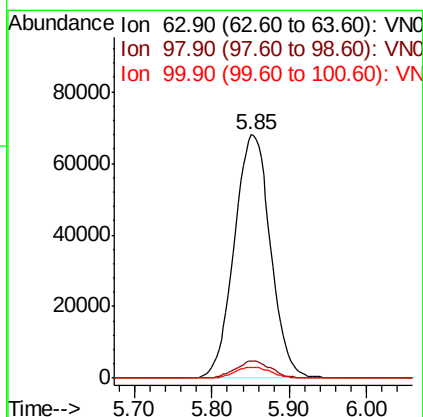
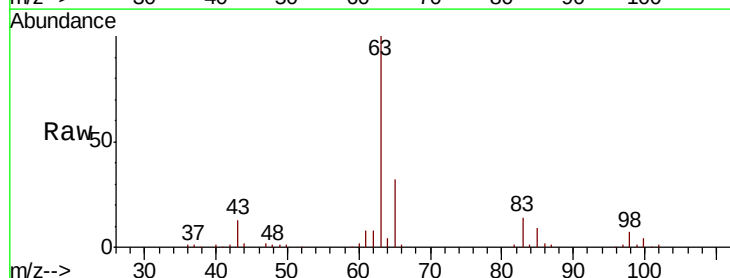
Instrument :
 MSVOA_N
 ClientSampled :

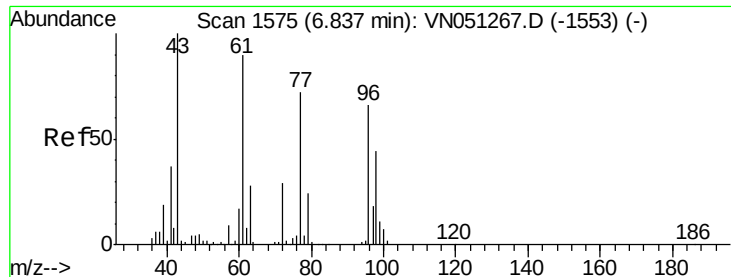
Tot Ion: 43 Resp: 1093780
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.3 13.9



#24
 1,1-Dichloroethane
 Concen: 19.95 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion: 63 Resp: 221051
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 95.86 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

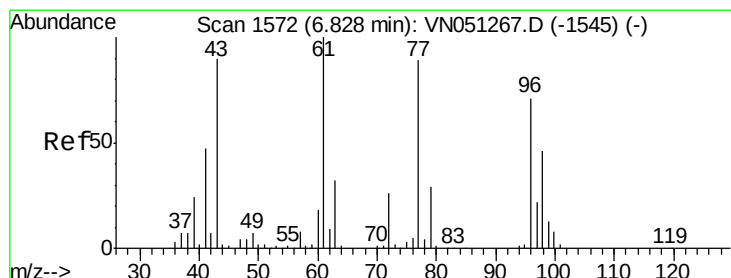
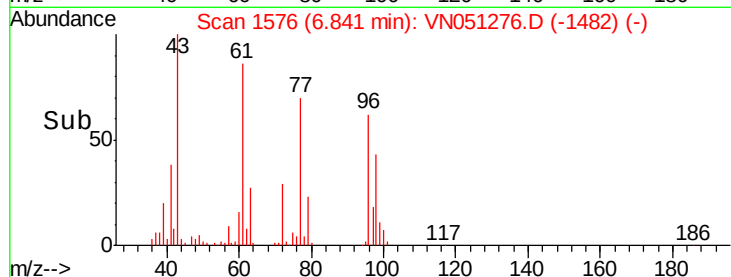
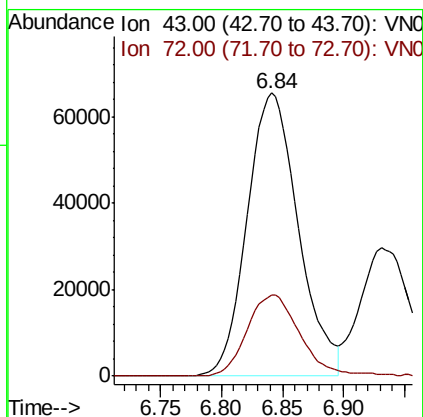
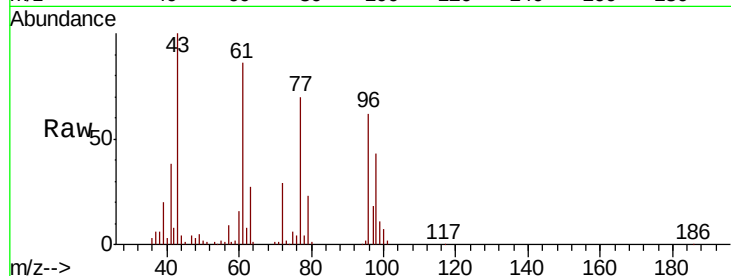
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 190985

Ion Ratio Lower Upper

43 100

72 28.7 23.4 35.0



#26

2,2-Dichloropropane

Concen: 19.83 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051276.D

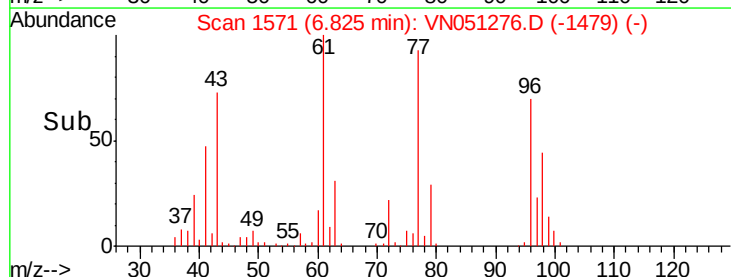
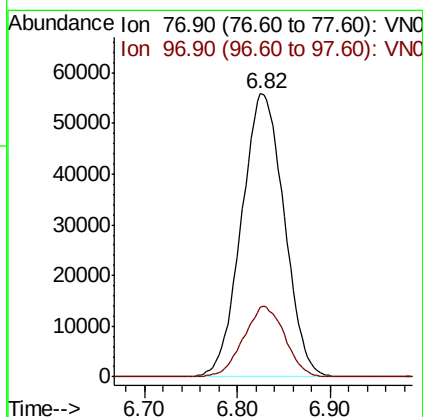
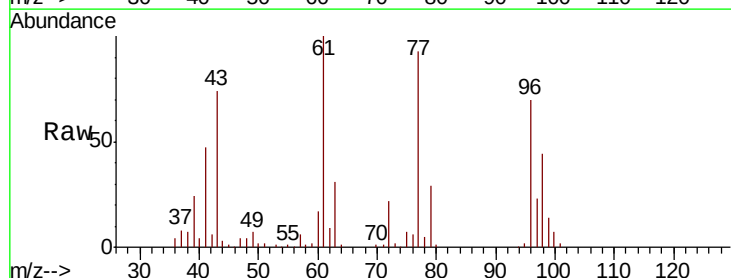
Acq: 17 Sep 2018 17:49

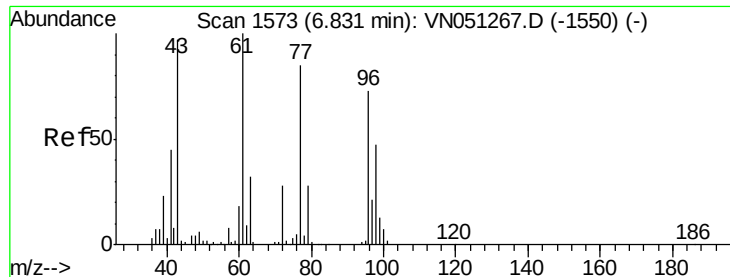
Tgt Ion: 77 Resp: 178649

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.50 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

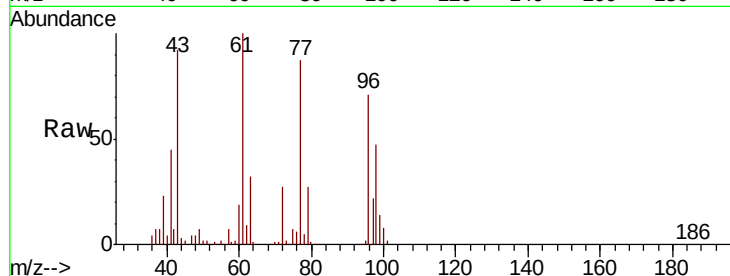
Tot Ion: 96 Resp: 132304

Ion Ratio Lower Upper

96 100

61 140.6 0.0 276.2

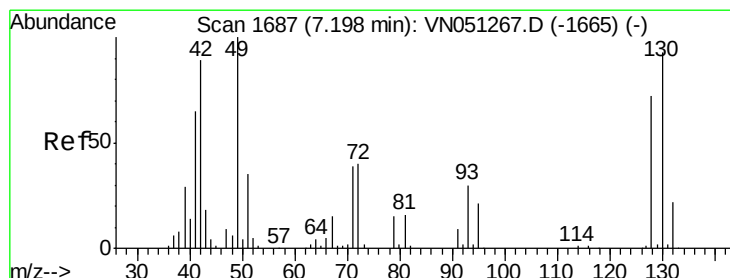
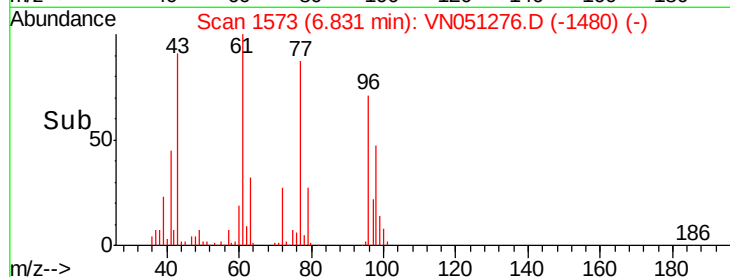
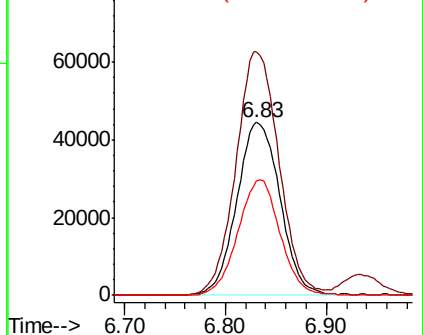
98 65.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN051276.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051276.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051276.D (-1550) (-)



#28

Bromochloromethane

Concen: 19.44 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

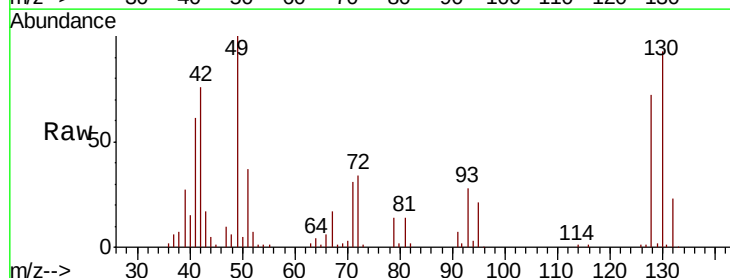
Tgt Ion: 49 Resp: 94843

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

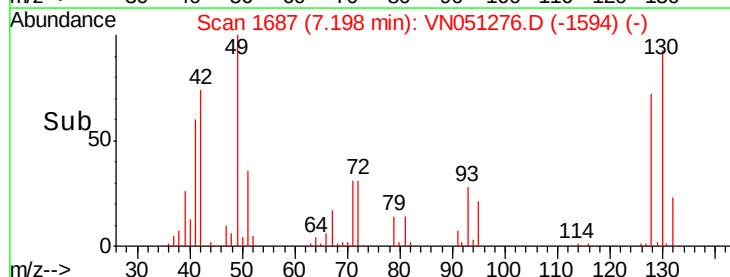
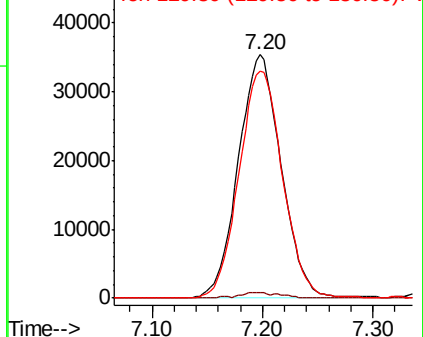
130 95.0 73.7 110.5

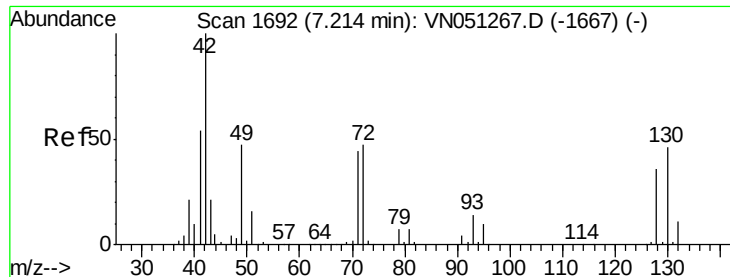


Abundance Ion 48.90 (48.60 to 49.60): VN051276.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051276.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051276.D (-1665) (-)

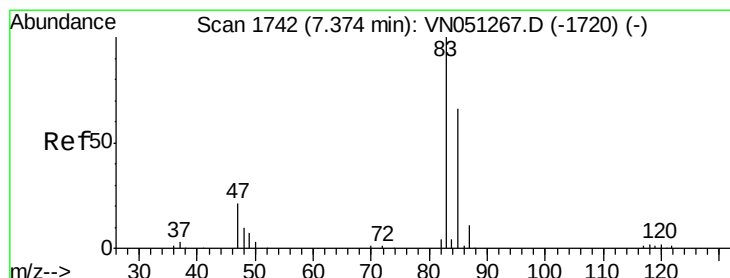
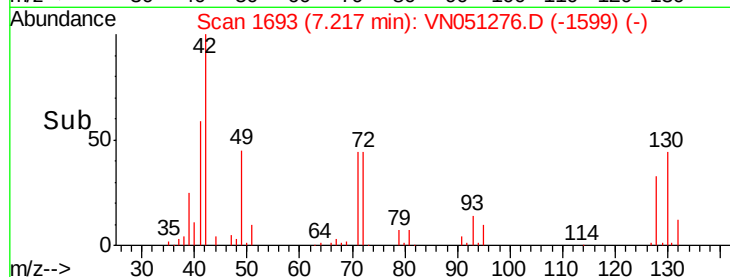
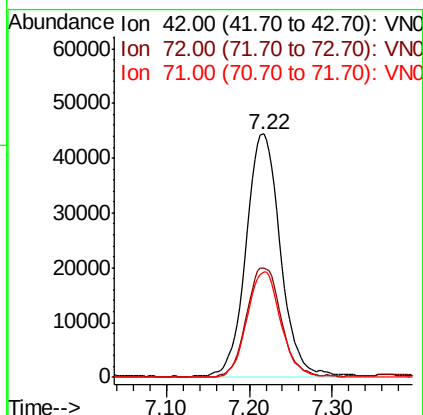
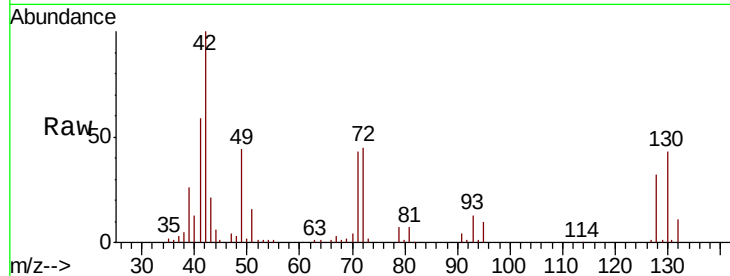




#29
Tetrahydrofuran
Concen: 104.49 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

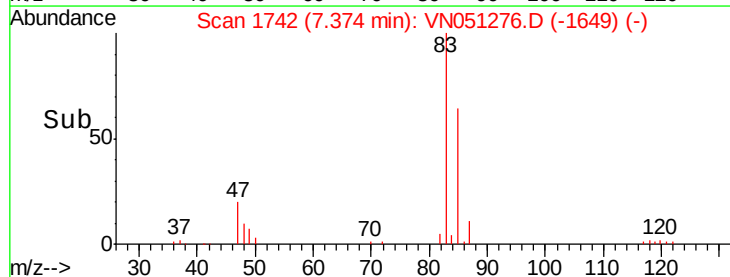
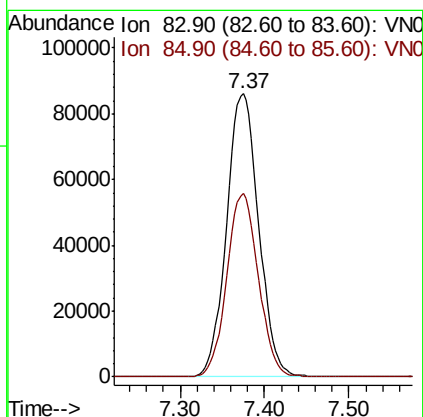
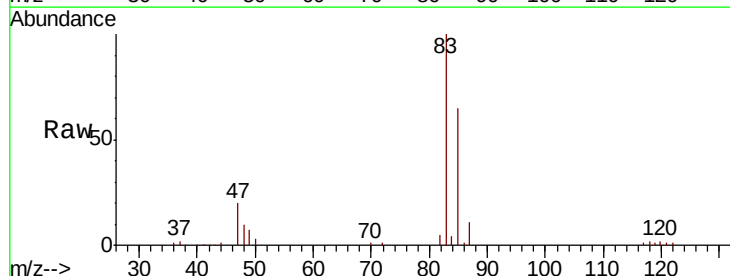
Instrument :
MSVOA_N
ClientSampled :

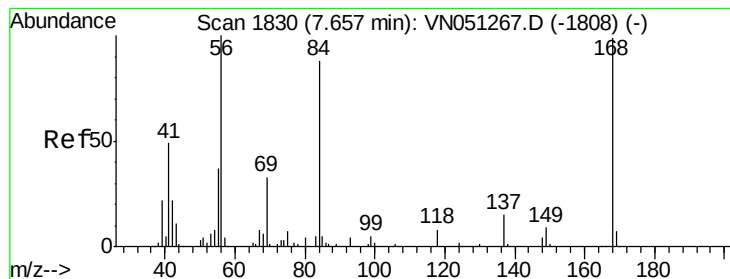
Tot Ion: 42 Resp: 128716
Ion Ratio Lower Upper
42 100
72 45.3 37.6 56.4
71 42.3 35.4 53.2



#30
Chloroform
Concen: 20.12 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 83 Resp: 227588
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6





#31

Cyclohexane

Concen: 19.22 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

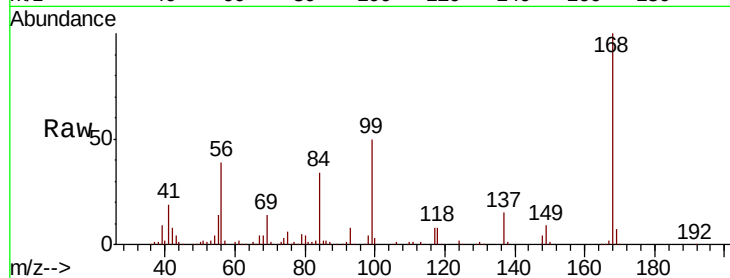
Tot Ion: 56 Resp: 193196

Ion Ratio Lower Upper

56 100

69 36.5 26.2 39.2

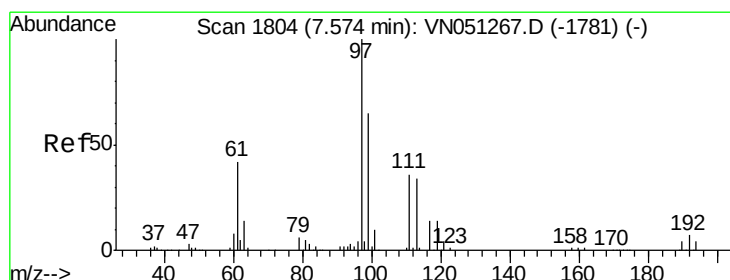
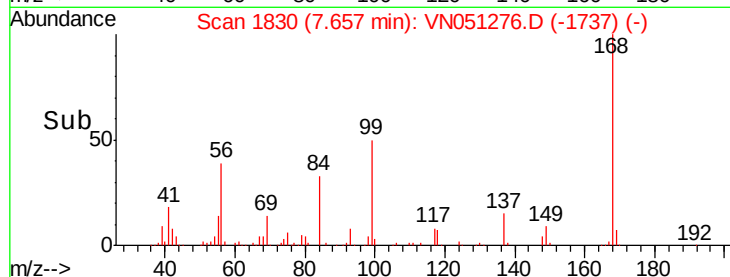
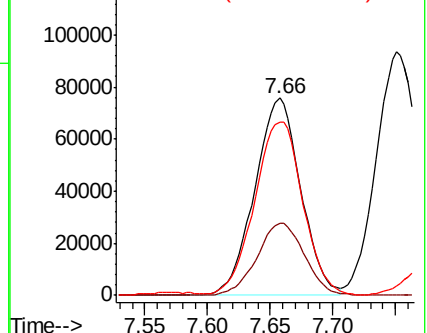
84 86.8 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN051267.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN051267.D (-1808) (-)



#32

1,1,1-Trichloroethane

Concen: 19.73 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

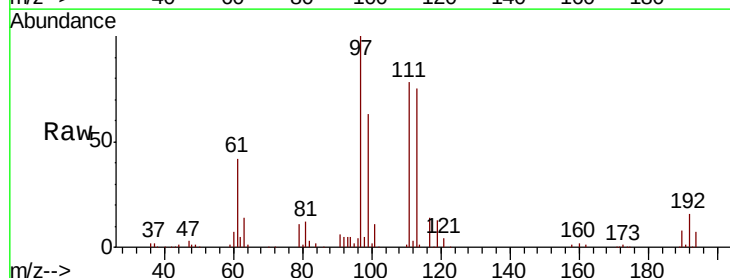
Tgt Ion: 97 Resp: 191597

Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

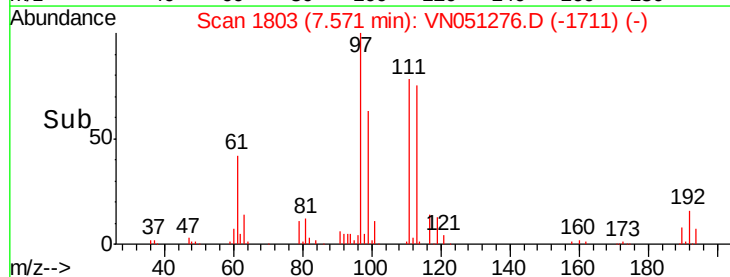
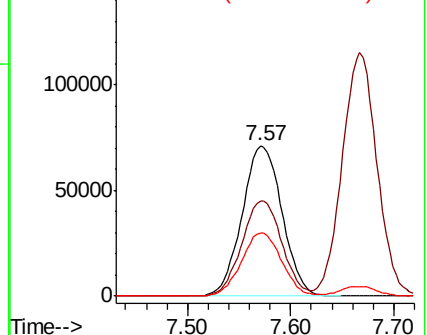
61 42.3 33.4 50.2

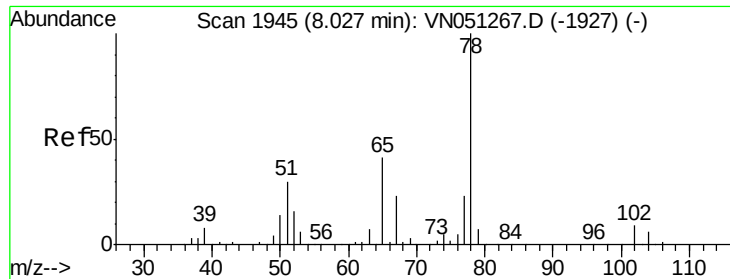


Abundance Ion 96.90 (96.60 to 97.60): VN051267.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-1781) (-)

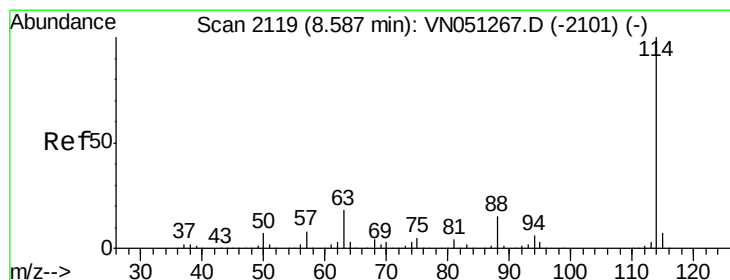
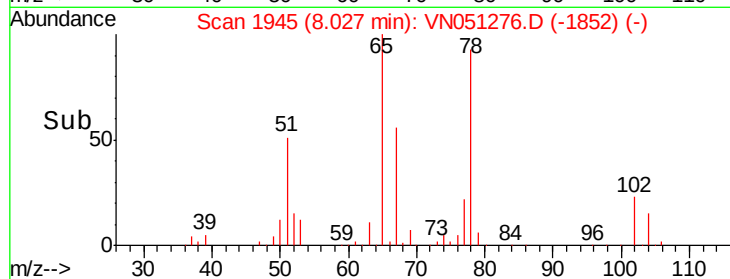
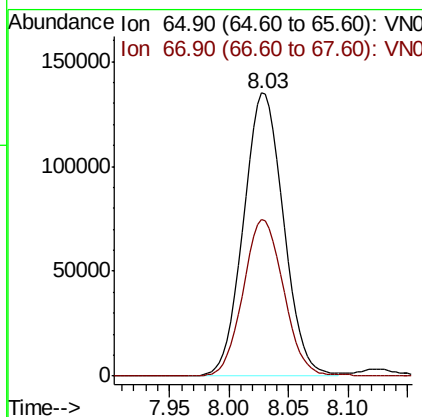
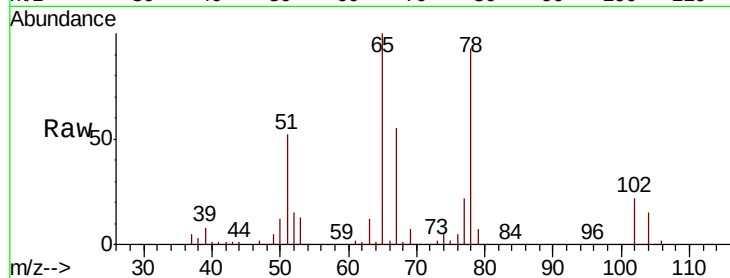




#33
 1,2-Dichloroethane-d4
 Concen: 50.73 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

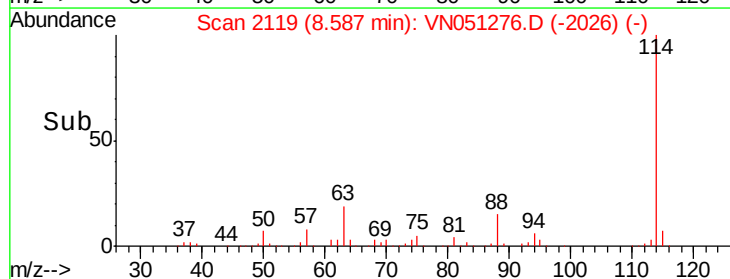
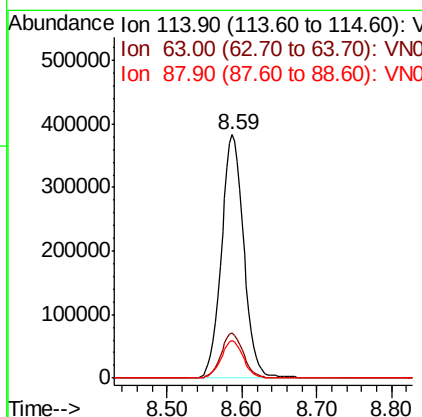
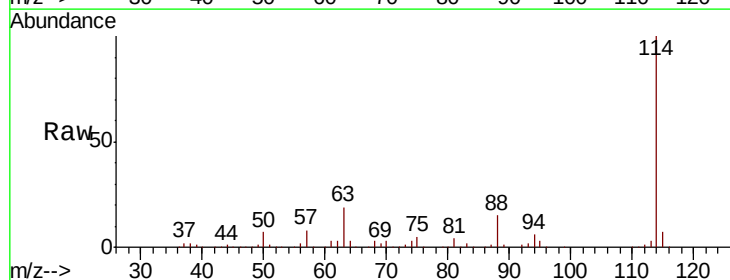
Instrument :
 MSVOA_N
 ClientSampleId :

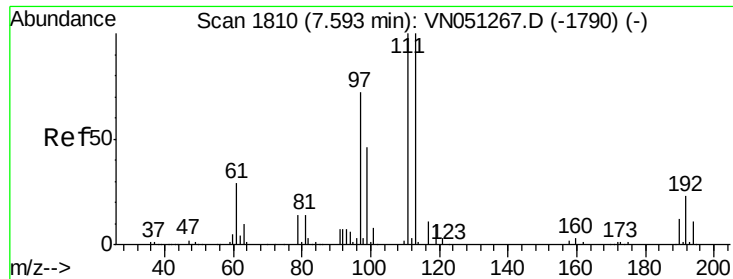
Tot Ion: 65 Resp: 315509
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion: 114 Resp: 787159
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 15.2 0.0 30.8

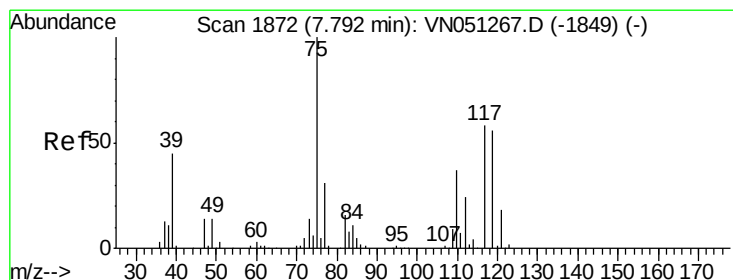
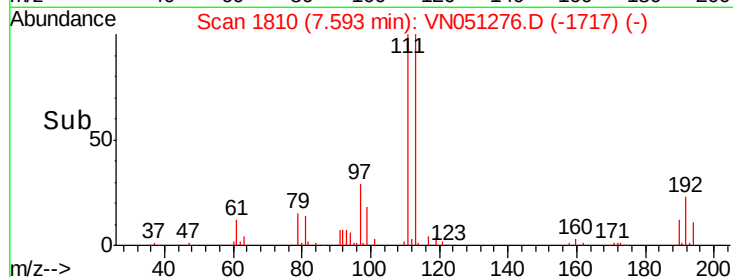
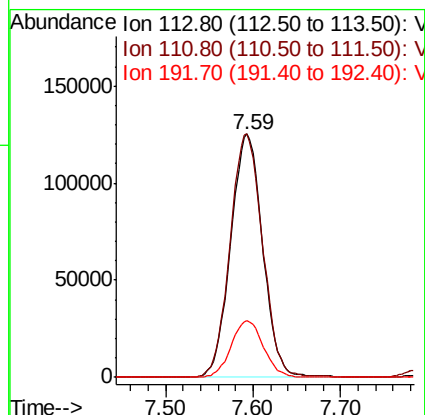
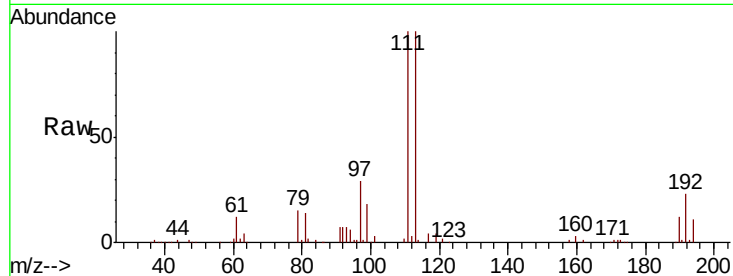




#35
 Dibromofluoromethane
 Concen: 52.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

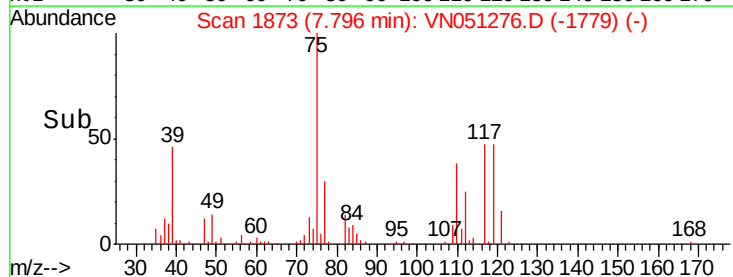
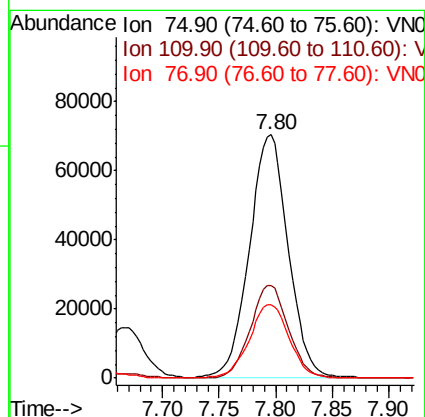
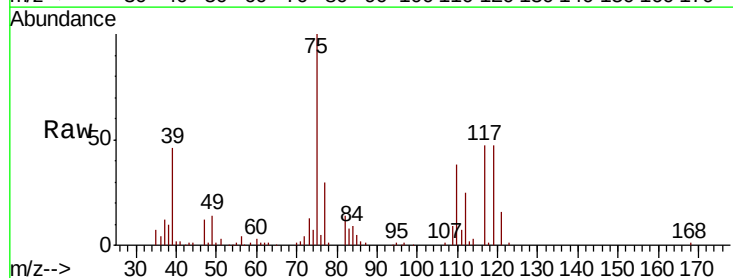
Instrument :
 MSVOA_N
 ClientSampleId :

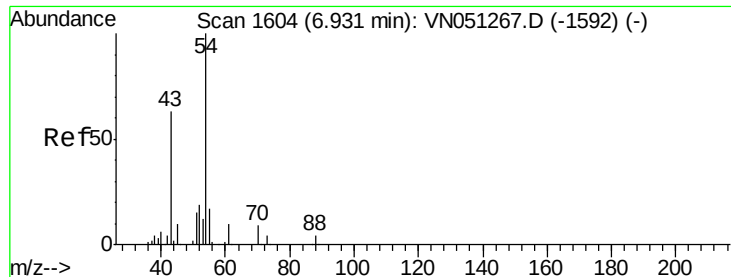
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	23.5	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 19.53 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	56.0
77	31.4	24.7	37.1

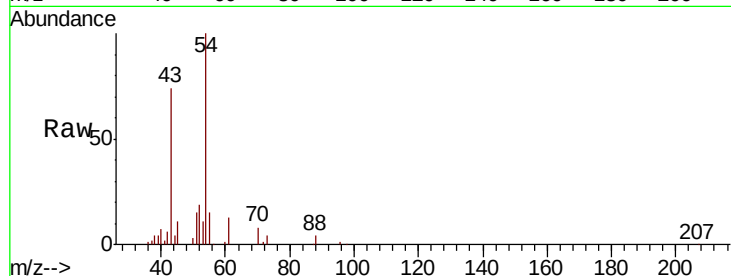




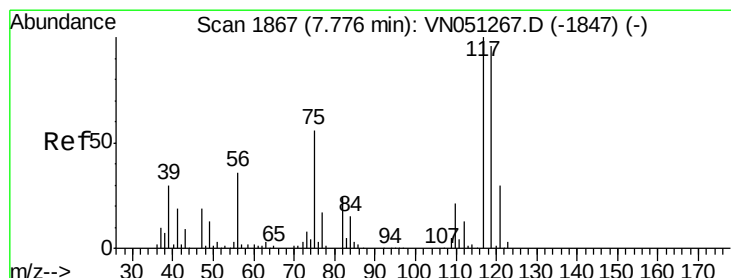
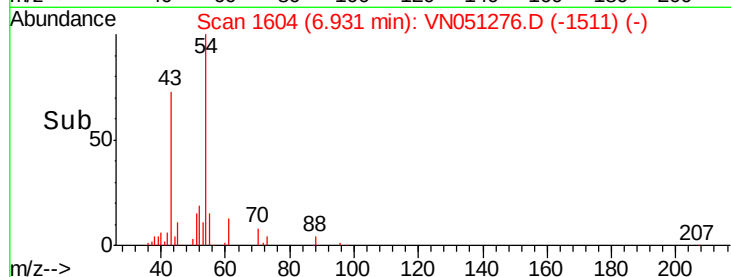
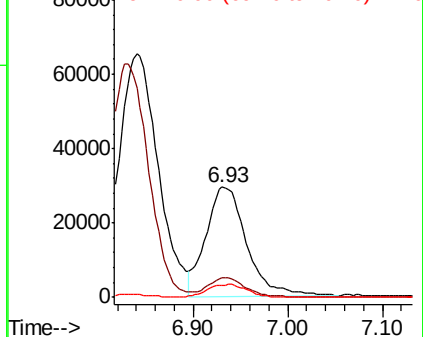
#37
Ethyl Acetate
Concen: 19.95 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 87381
Ion Ratio Lower Upper
43 100
61 15.8 12.3 18.5
70 11.7 9.4 14.0

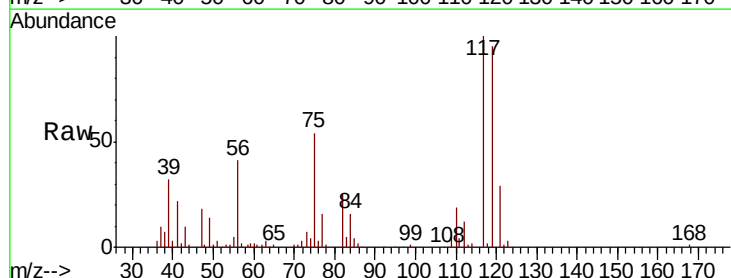


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

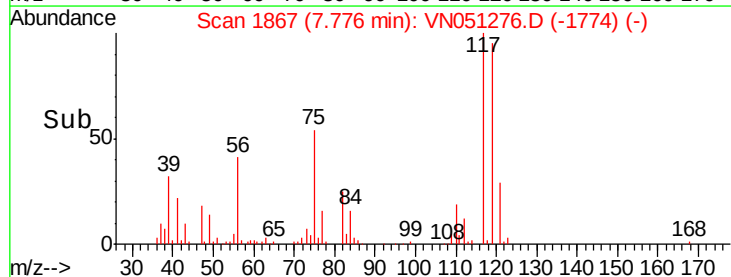
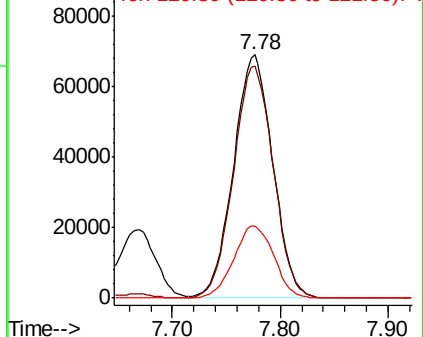


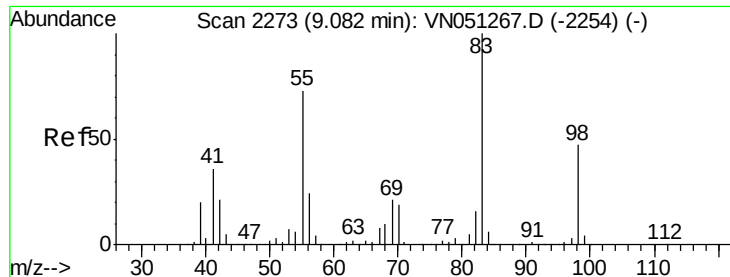
#38
Carbon Tetrachloride
Concen: 19.74 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 117 Resp: 175386
Ion Ratio Lower Upper
117 100
119 95.1 76.8 115.2
121 29.5 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

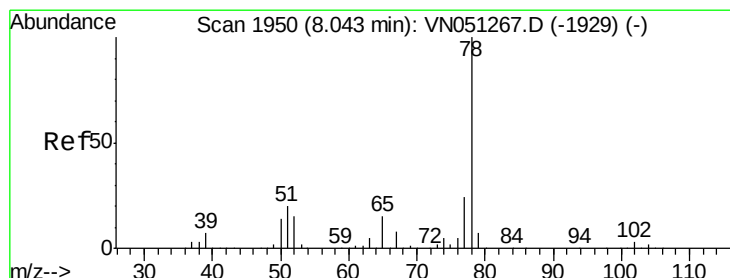
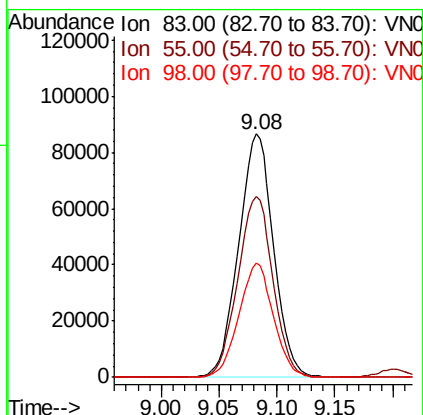
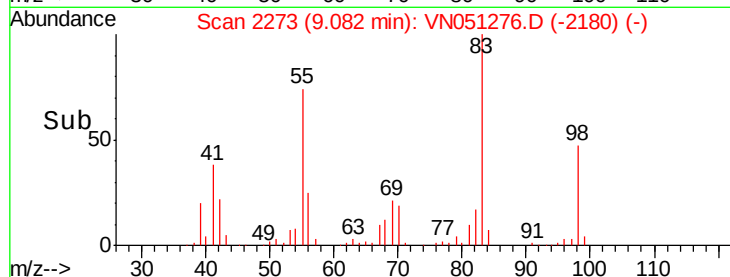
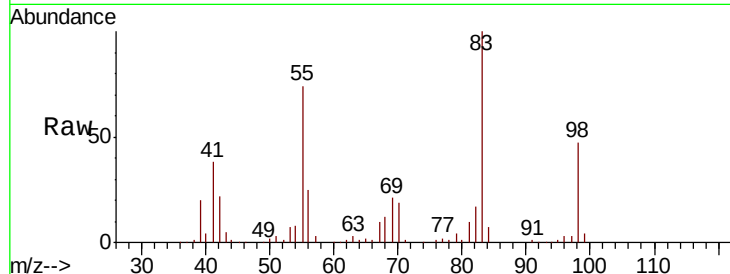




#39
Methylvlcyclohexane
Concen: 19.58 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

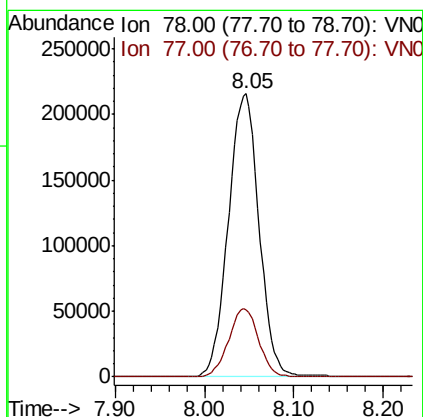
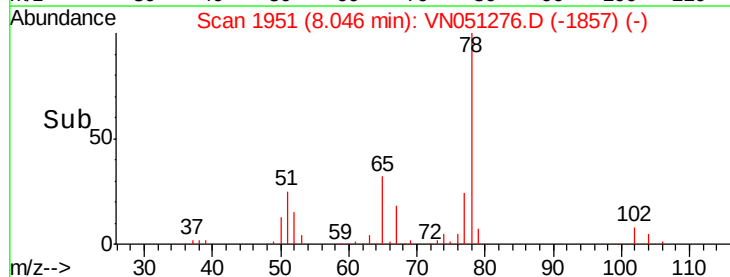
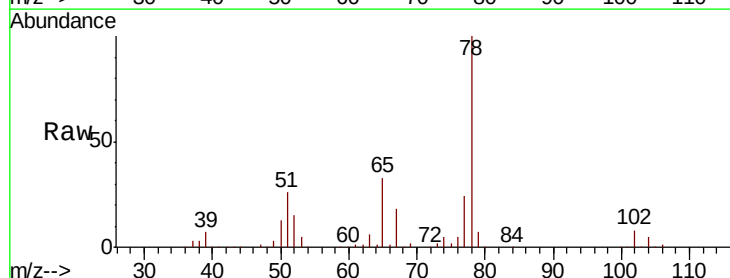
Instrument :
MSVOA_N
ClientSampled :

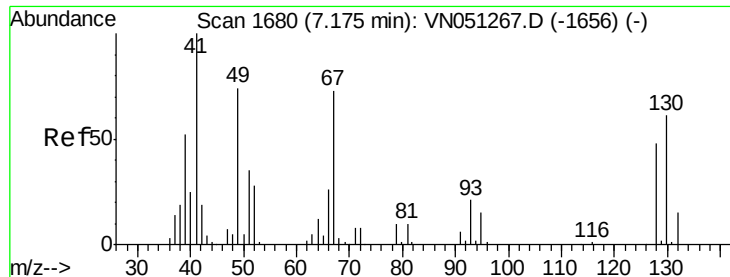
Tot Ion: 83 Resp: 181225
Ion Ratio Lower Upper
83 100
55 74.3 58.7 88.1
98 47.0 37.3 55.9



#40
Benzene
Concen: 20.30 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 78 Resp: 514772
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 18.75 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 42149

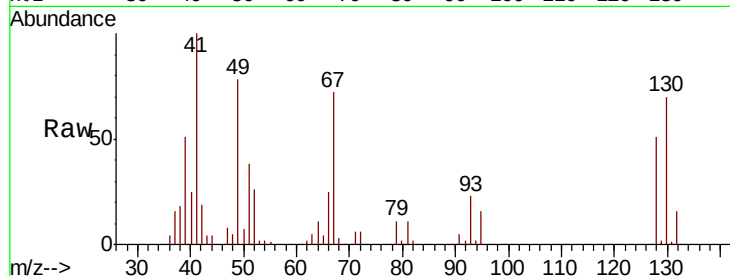
Ion Ratio Lower Upper

41 100

39 53.0 47.8 71.6

67 101.5 69.8 104.6

52 38.1 26.6 40.0



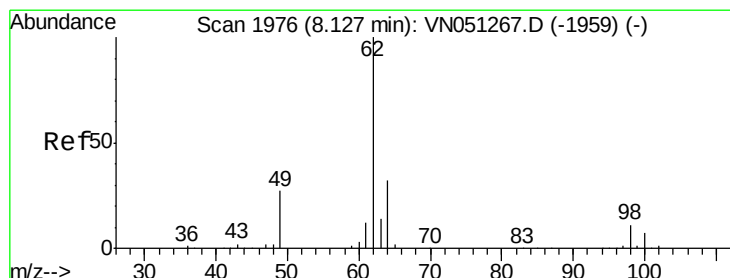
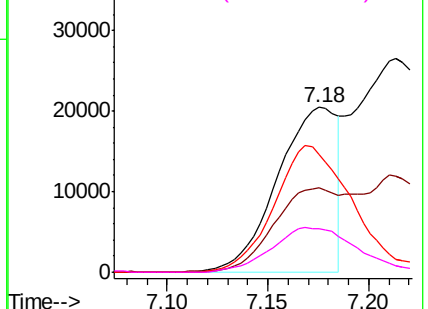
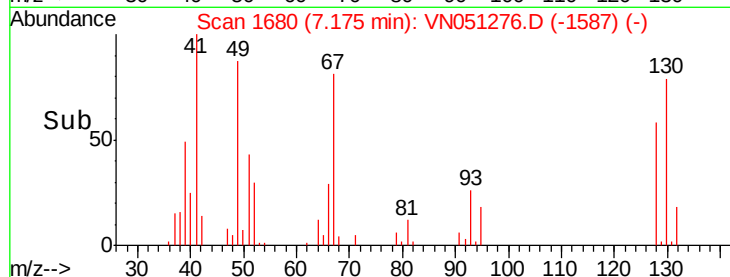
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.72 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051276.D

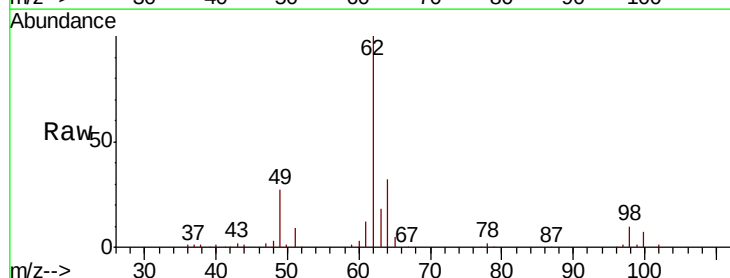
Acq: 17 Sep 2018 17:49

Tgt Ion: 62 Resp: 154455

Ion Ratio Lower Upper

62 100

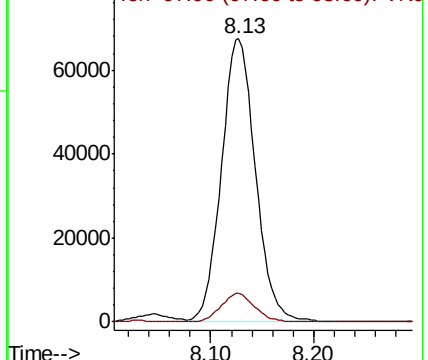
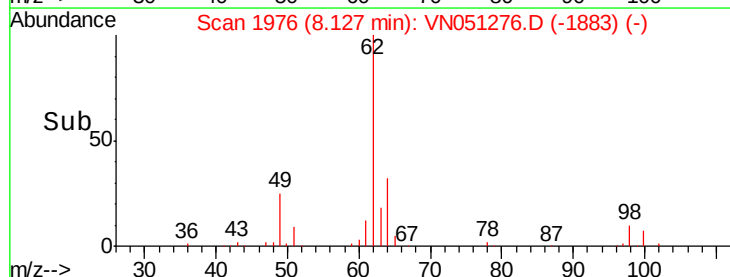
98 10.0 0.0 21.0

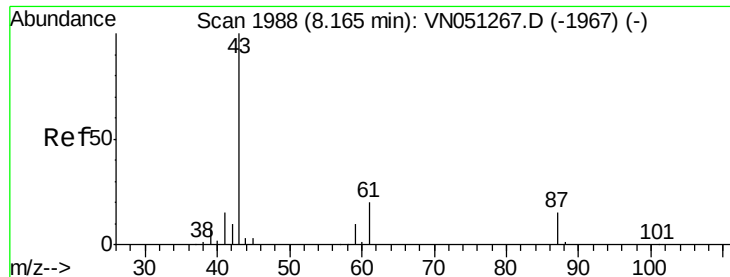


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.25 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

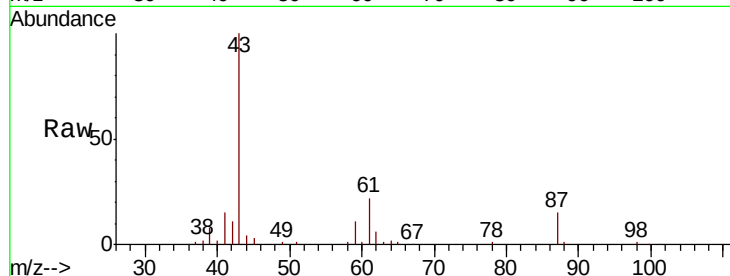
Tot Ion: 43 Resp: 153513

Ion Ratio Lower Upper

43 100

61 21.5 17.4 26.2

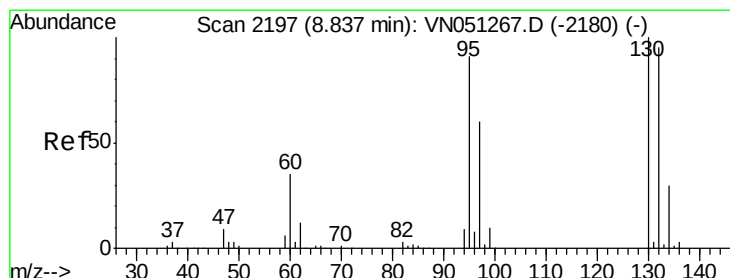
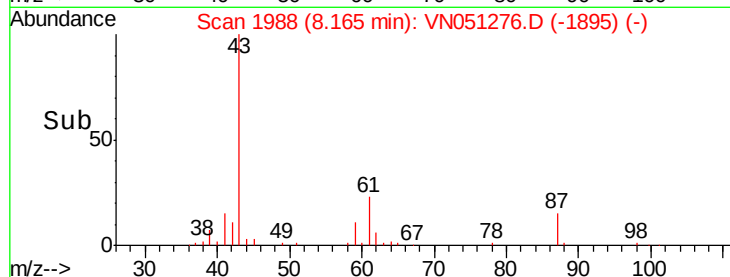
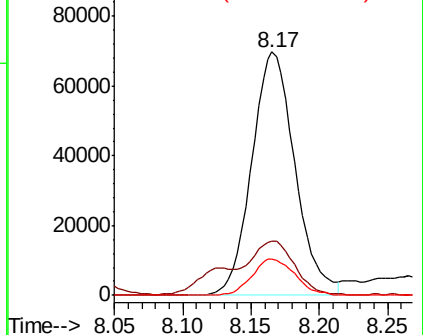
87 14.9 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051276.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051276.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051276.D (-1967) (-)



#44

Trichloroethene

Concen: 19.77 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051276.D

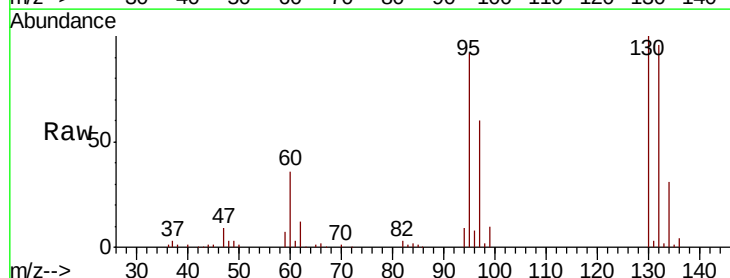
Acq: 17 Sep 2018 17:49

Tgt Ion:130 Resp: 140896

Ion Ratio Lower Upper

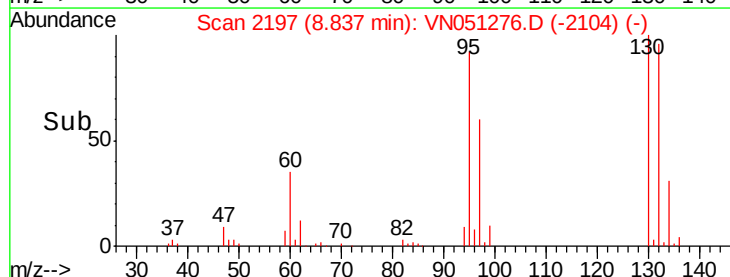
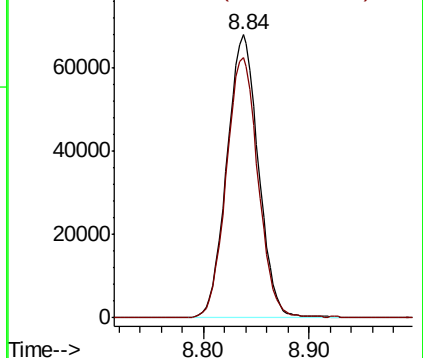
130 100

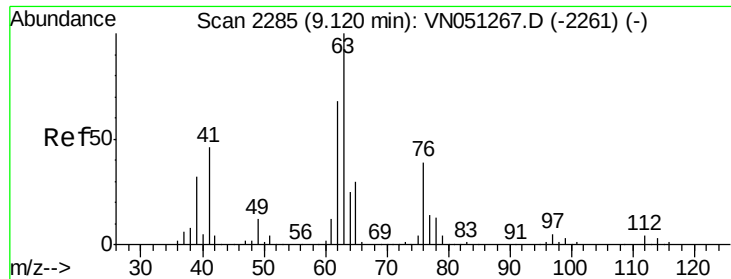
95 92.2 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051276.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051276.D (-2180) (-)

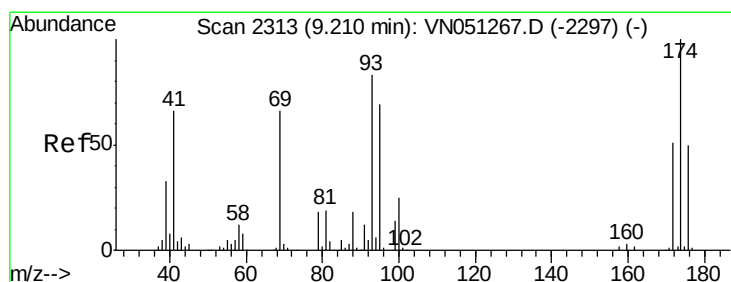
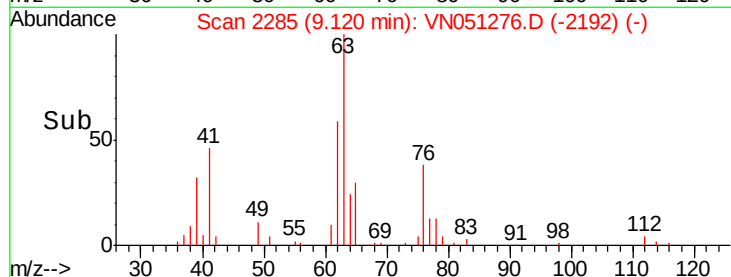
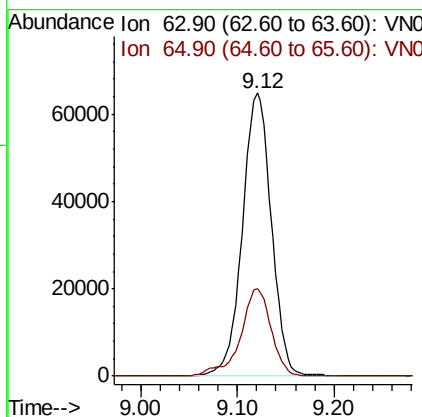
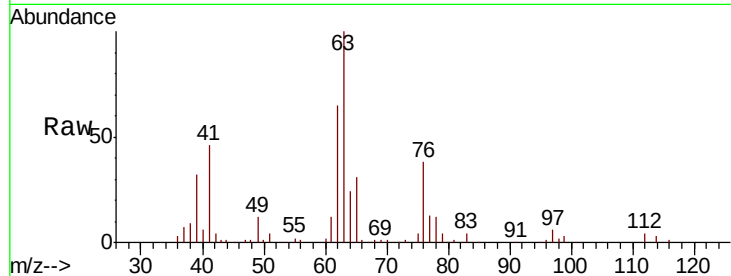




#45
 1,2-Dichloropropane
 Concen: 20.96 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

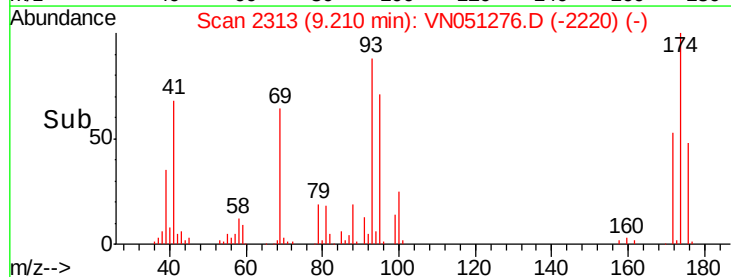
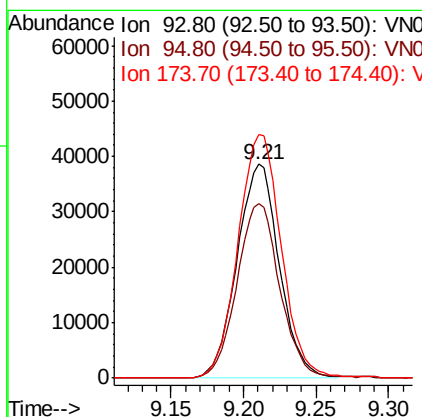
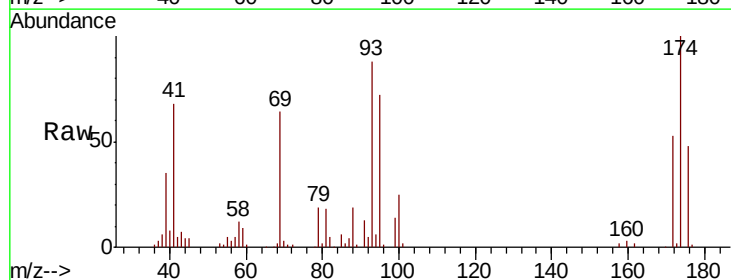
Instrument :
 MSVOA_N
 ClientSampleId :

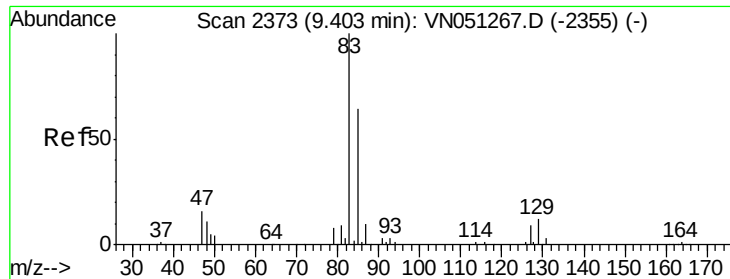
Tot Ion: 63 Resp: 134735
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4



#46
 Dibromomethane
 Concen: 20.04 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion: 93 Resp: 78468
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 116.7 95.6 143.4





#47

Bromodichloromethane

Concen: 20.15 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

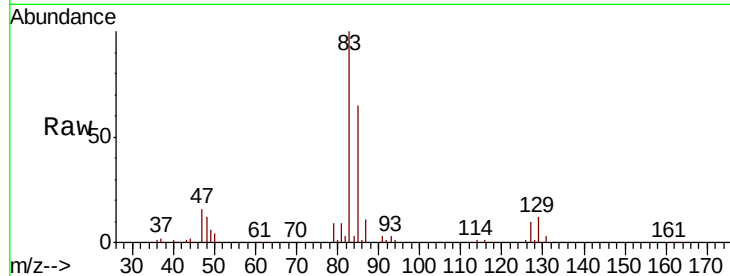
Tot Ion: 83 Resp: 168132

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4

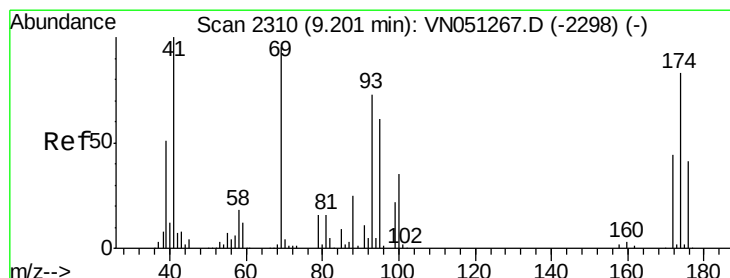
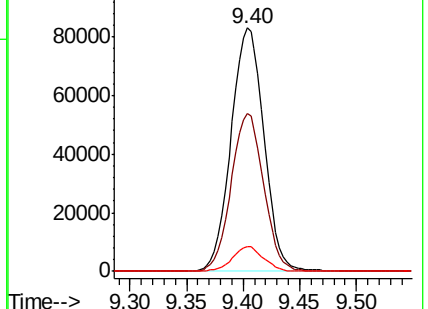
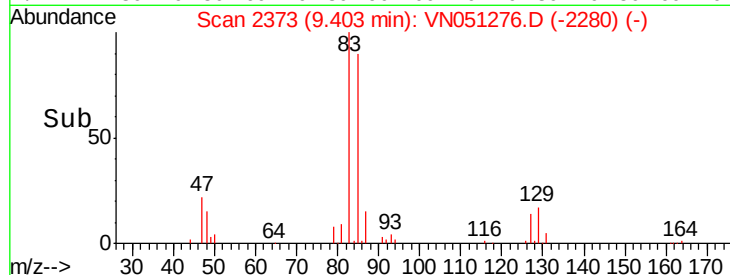
127 10.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN051276.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051276.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051276.D (-2355) (-)



#48

Methyl methacrylate

Concen: 20.10 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

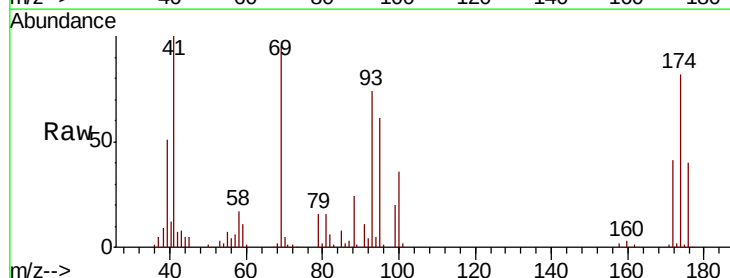
Tgt Ion: 41 Resp: 73382

Ion Ratio Lower Upper

41 100

69 99.8 78.9 118.3

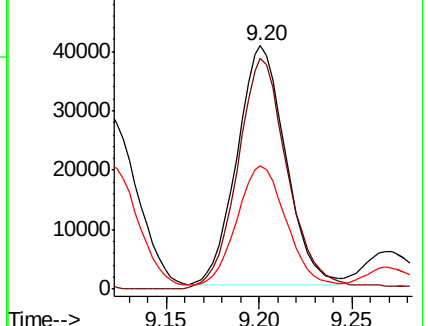
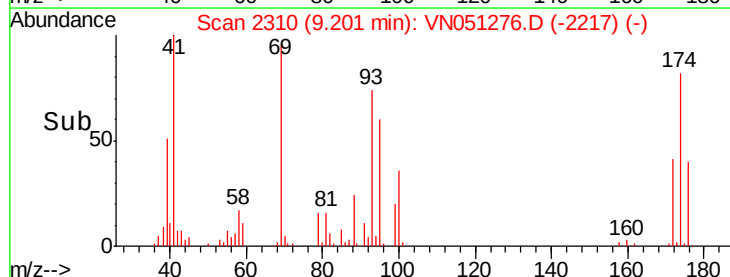
39 53.4 42.2 63.2

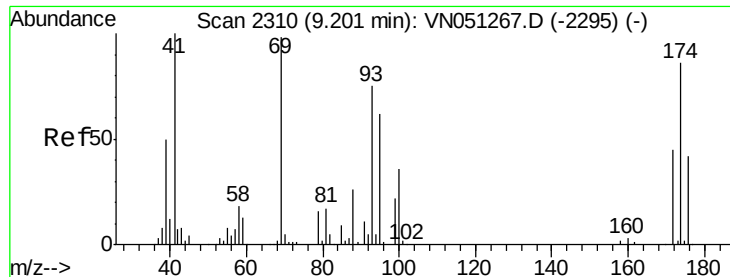


Abundance Ion 41.00 (40.70 to 41.70): VN051276.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051276.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051276.D (-2298) (-)





#49

1,4-Dioxane

Concen: 396.65 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

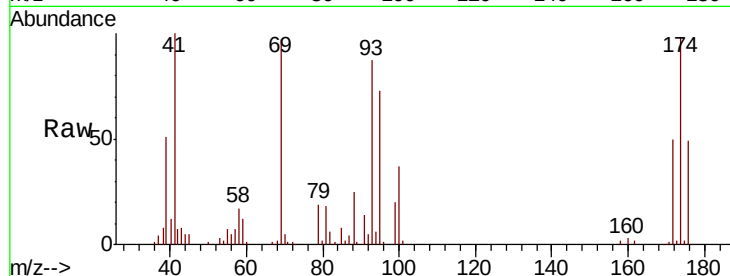
Tot Ion: 88 Resp: 20948

Ion Ratio Lower Upper

88 100

43 31.5 25.3 37.9

58 69.2 54.9 82.3

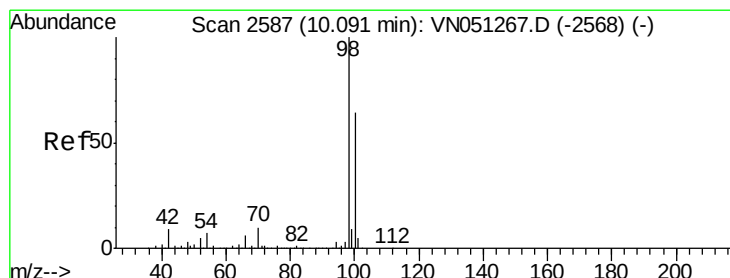
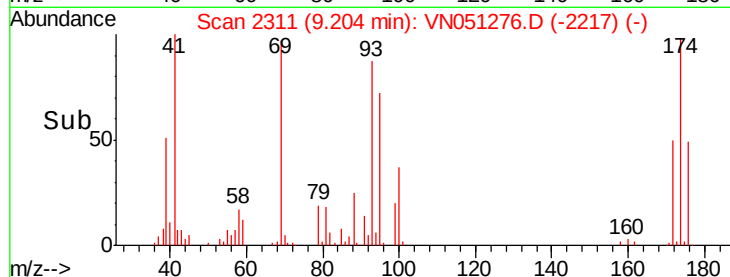
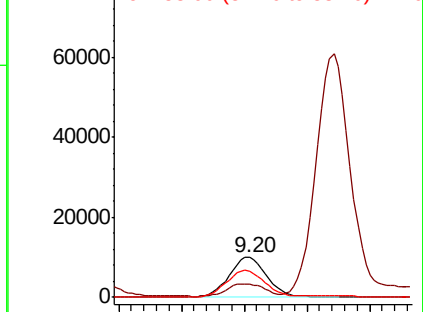


Abundance

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: 51.92 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051276.D

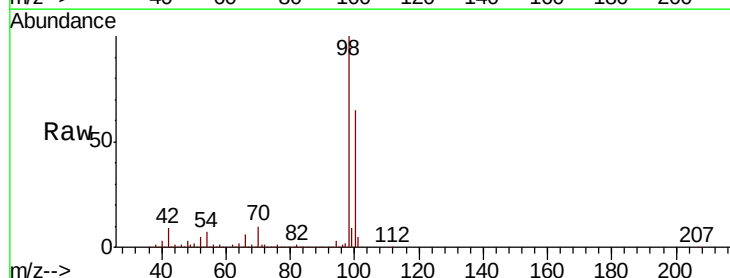
Acq: 17 Sep 2018 17:49

Tgt Ion: 98 Resp: 1173810

Ion Ratio Lower Upper

98 100

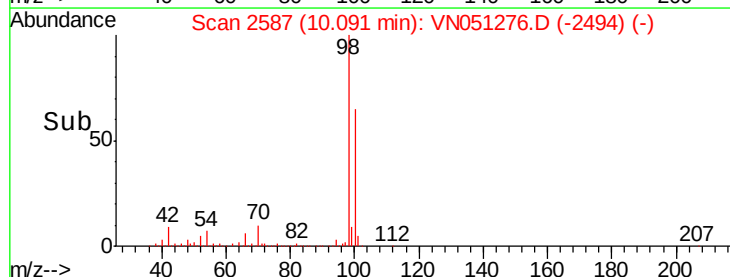
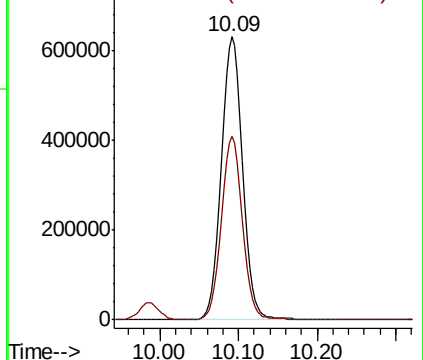
100 63.8 51.6 77.4

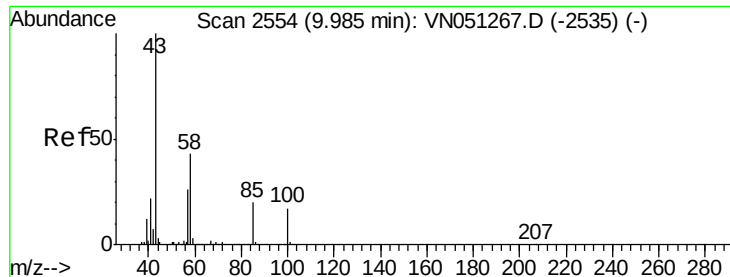


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.72 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

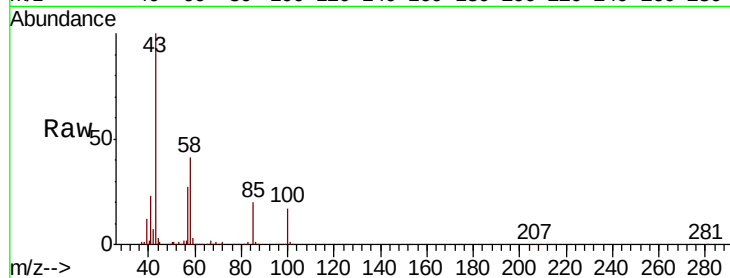
ClientSampled :

Tot Ion: 43 Resp: 417365

Ion Ratio Lower Upper

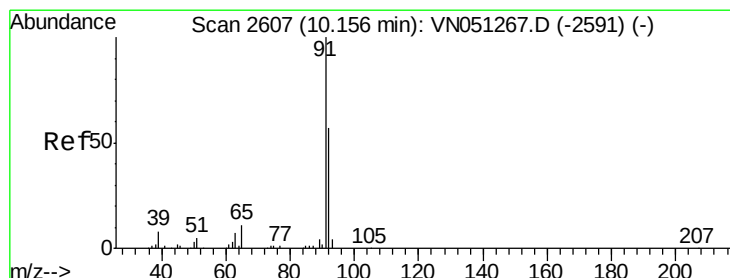
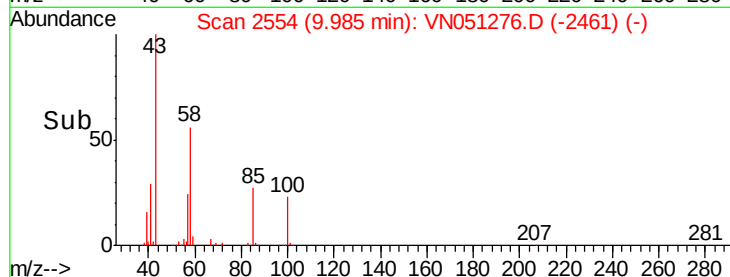
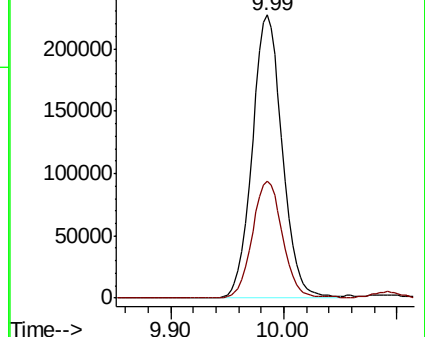
43 100

58 41.8 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)



#52

Toluene

Concen: 20.86 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051276.D

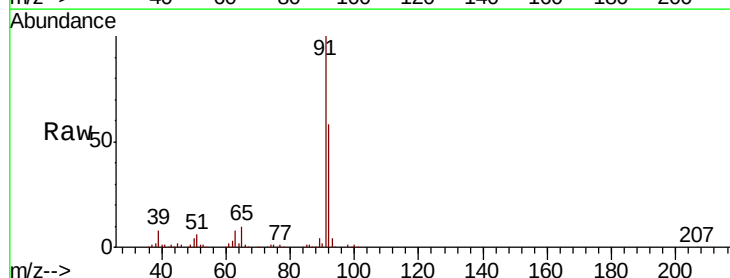
Acq: 17 Sep 2018 17:49

Tgt Ion: 92 Resp: 316602

Ion Ratio Lower Upper

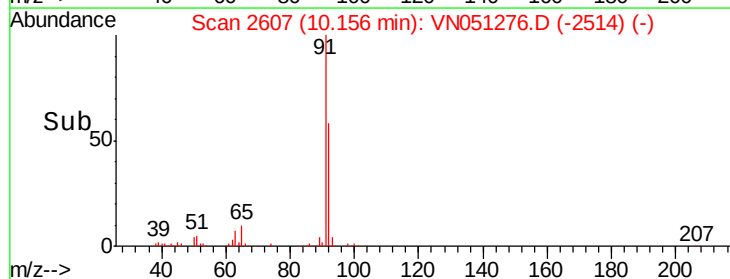
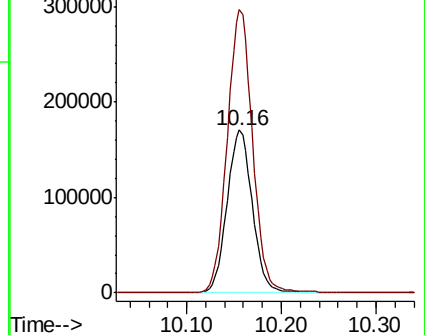
92 100

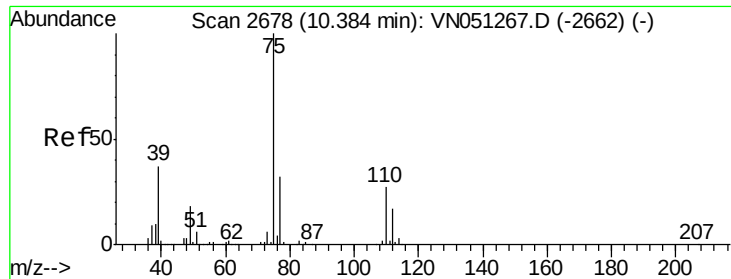
91 174.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN051267.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN051267.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 19.97 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

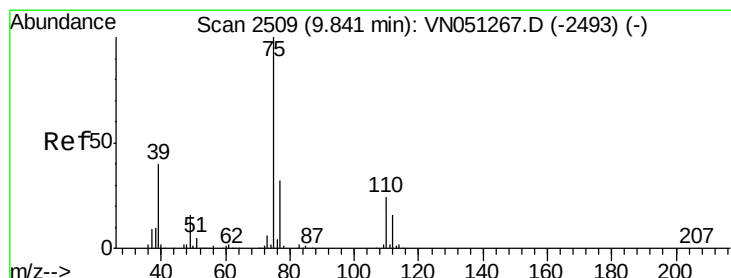
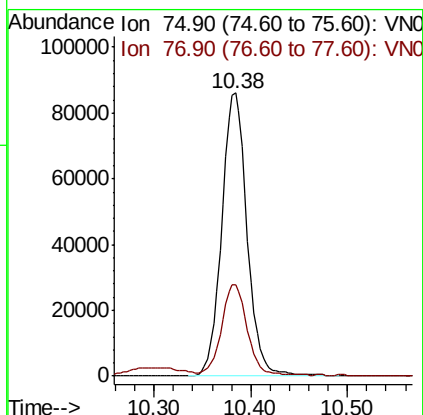
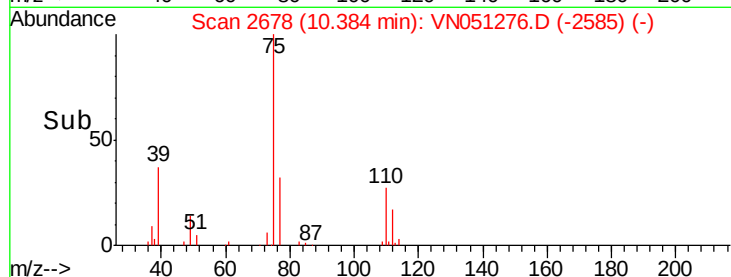
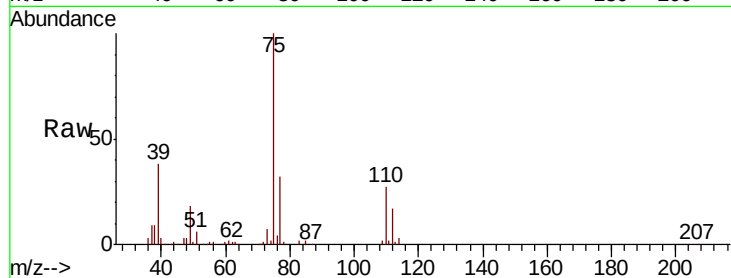
ClientSampleId :

Tot Ion: 75 Resp: 156582

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.34 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

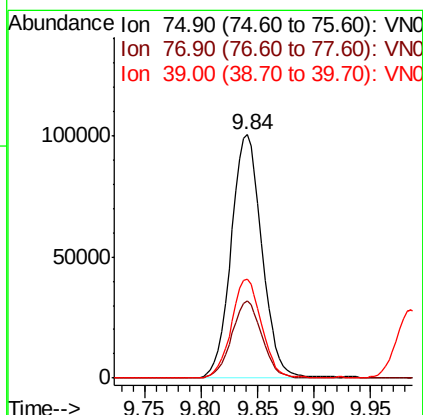
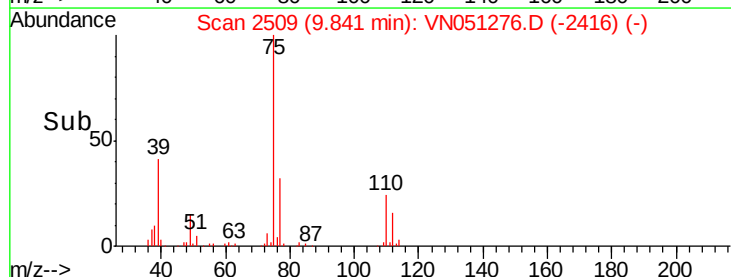
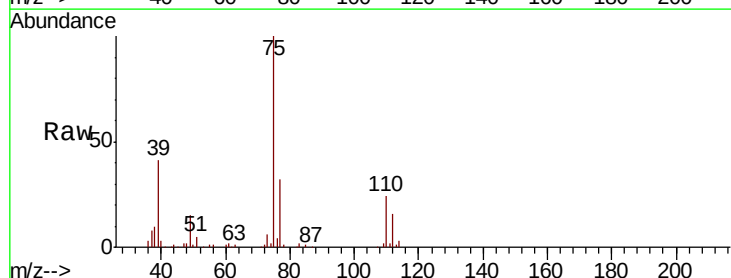
Tgt Ion: 75 Resp: 190498

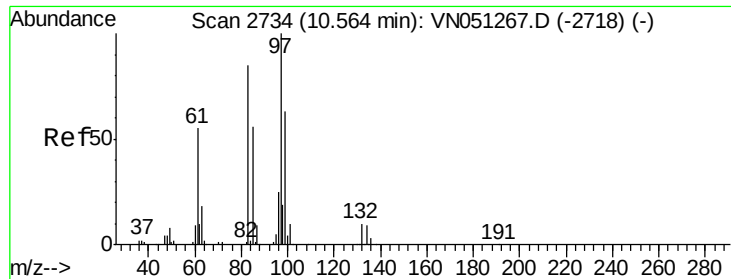
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 40.7 31.8 47.8

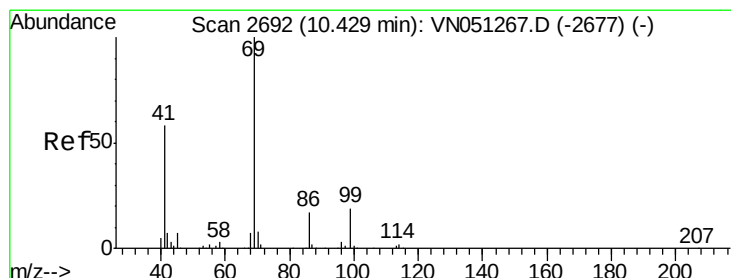
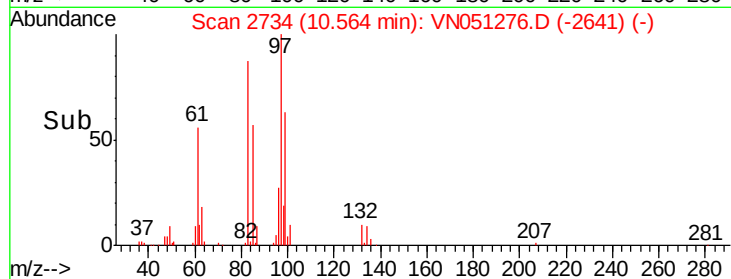
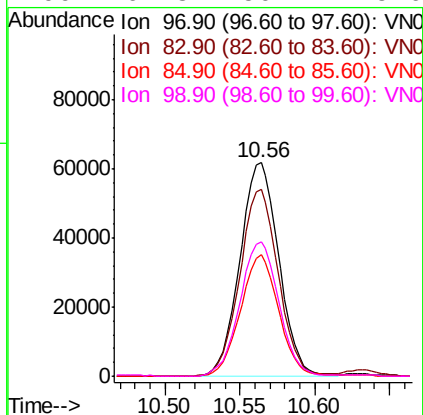
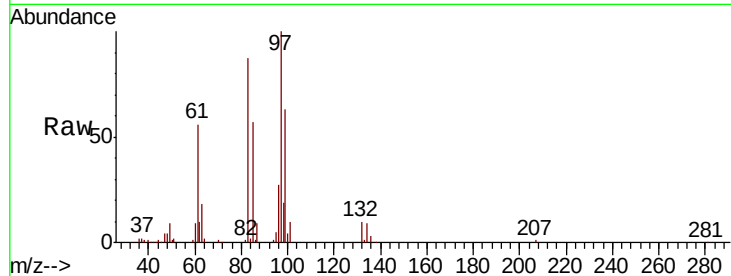




#55
 1,1,2-Trichloroethane
 Concen: 20.61 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

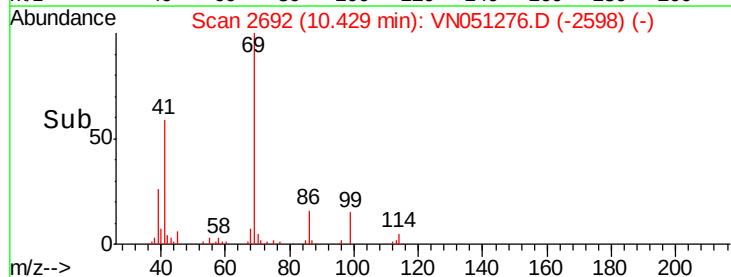
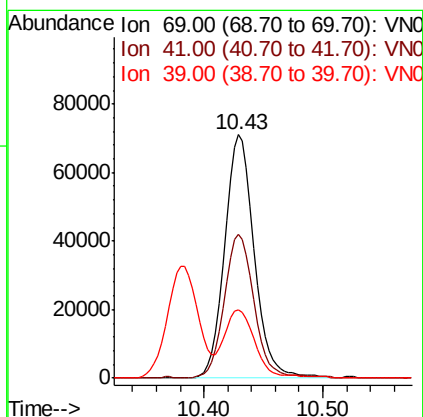
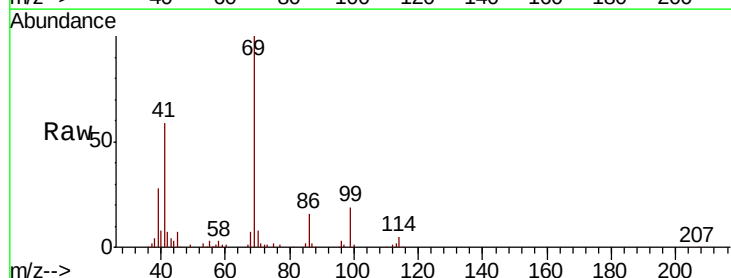
Instrument :
 MSVOA_N
 ClientSampled :

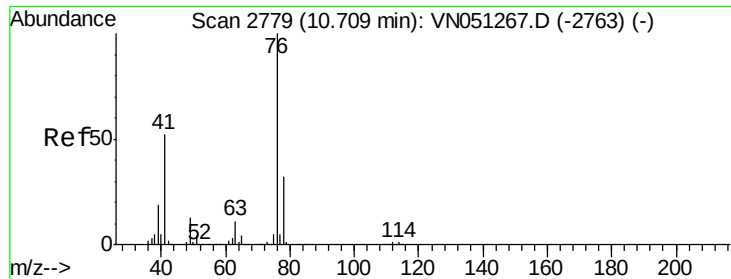
Tot Ion:	97	Resp:	111870
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.7	101.5
85	56.7	44.5	66.7
99	62.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion:	69	Resp:	122357
Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.4	71.0
39	28.0	23.7	35.5

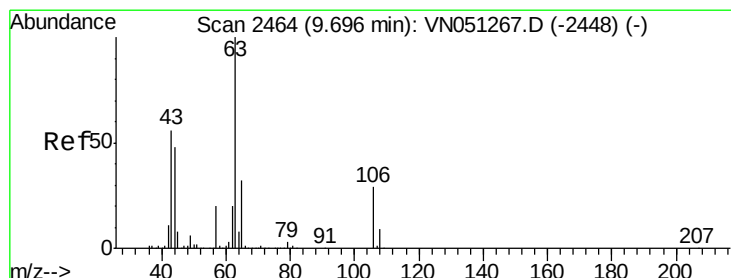
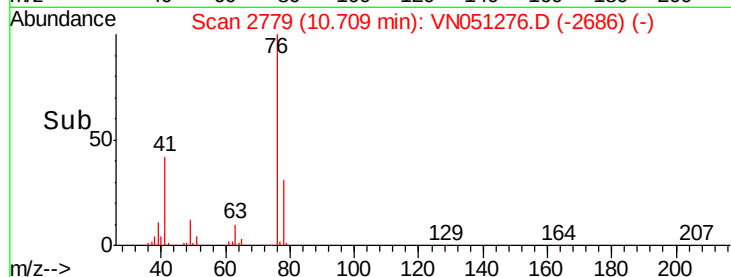
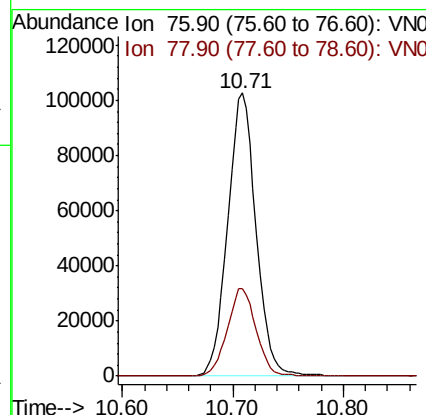
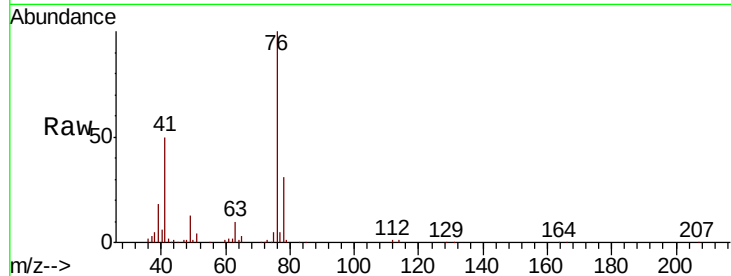




#57
 1,3-Dichloropropane
 Concen: 20.64 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

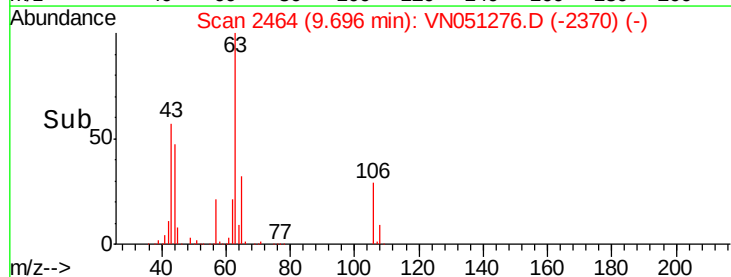
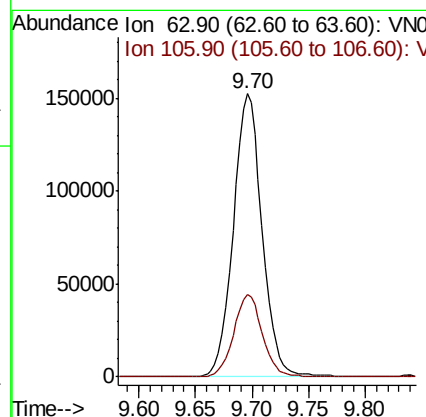
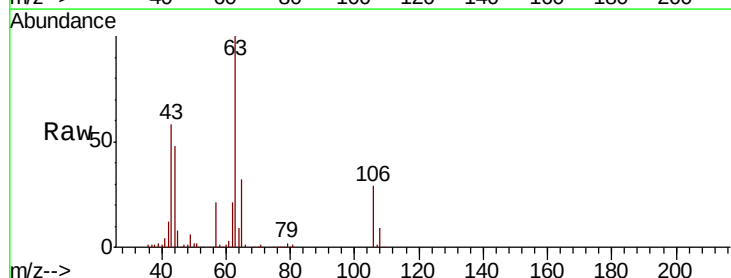
Instrument :
 MSVOA_N
 ClientSampled :

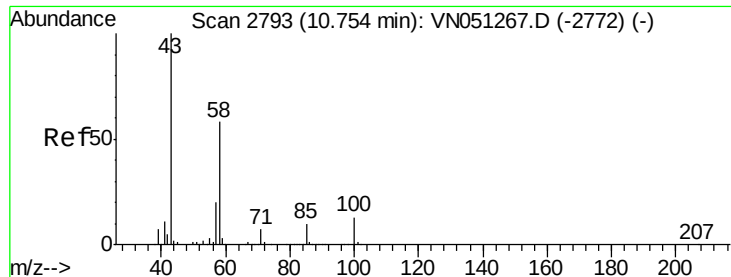
Tot Ion: 76 Resp: 182470
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.22 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion: 63 Resp: 269289
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.4 35.2

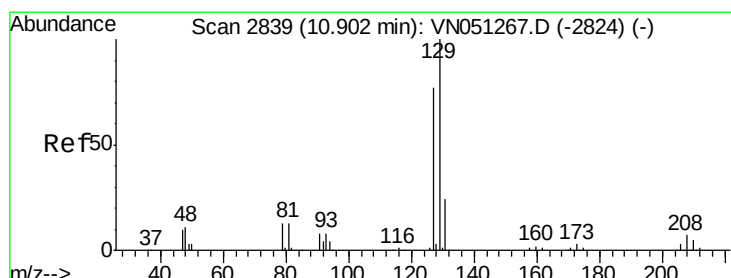
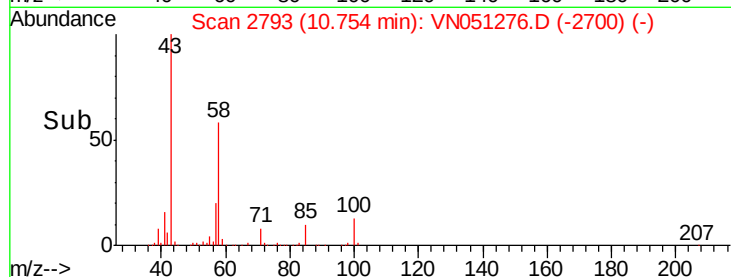
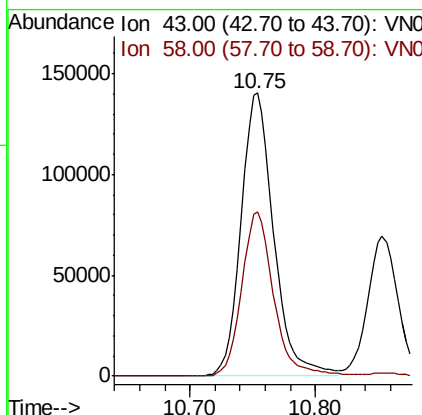
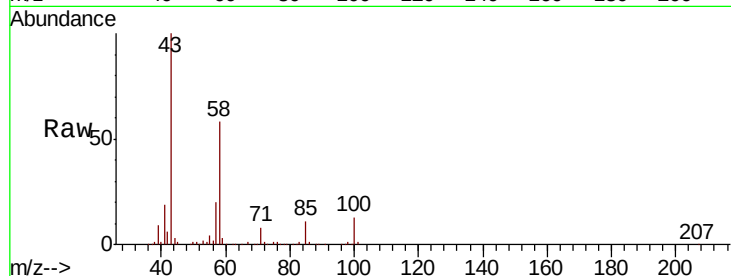




#59
2-Hexanone
Concen: 98.98 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

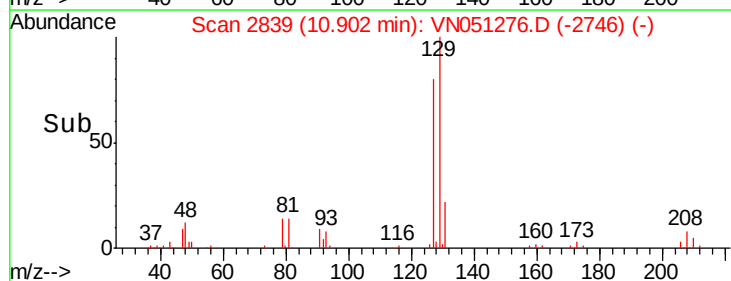
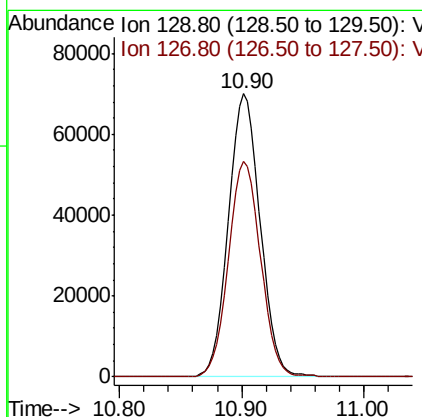
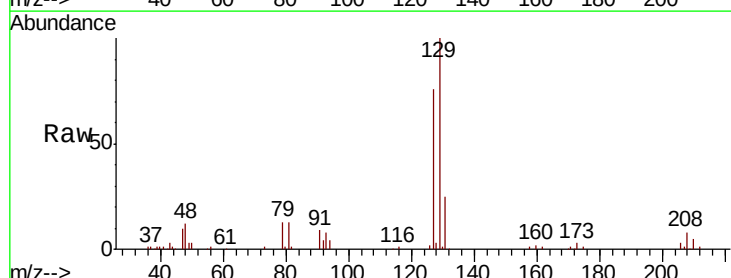
Instrument :
MSVOA_N
ClientSampled :

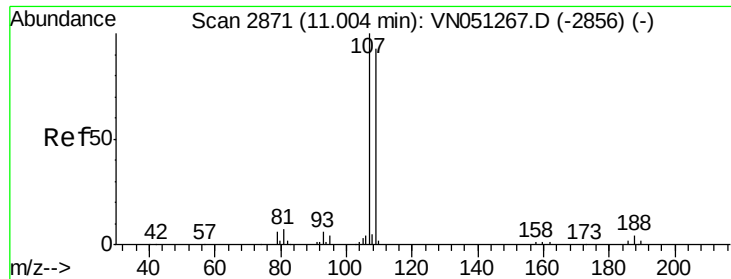
Tot Ion: 43 Resp: 254887
Ion Ratio Lower Upper
43 100
58 56.9 28.9 86.8



#60
Dibromochloromethane
Concen: 19.88 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 129 Resp: 126954
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.20 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

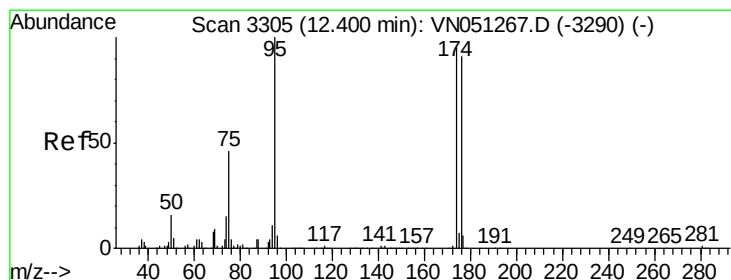
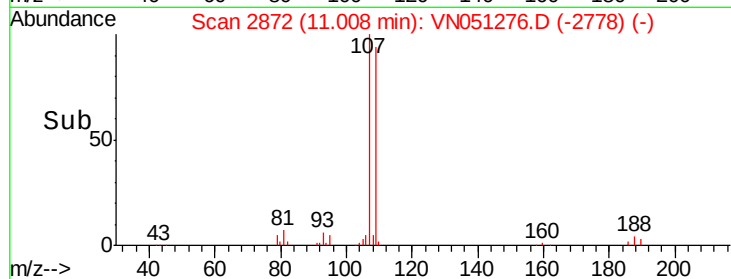
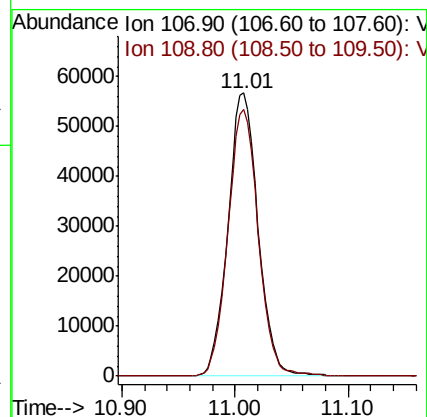
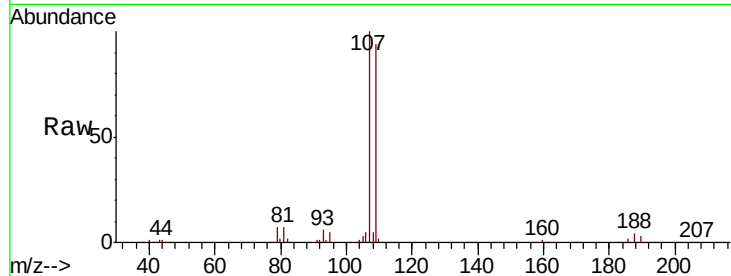
ClientSampleId :

Tot Ion:107 Resp: 105339

Ion Ratio Lower Upper

107 100

109 94.7 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 49.56 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

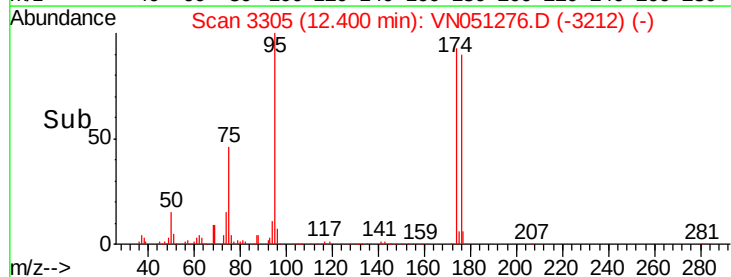
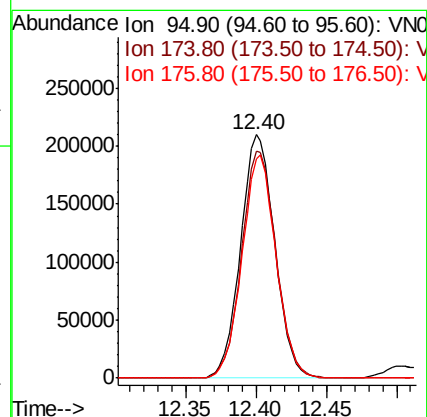
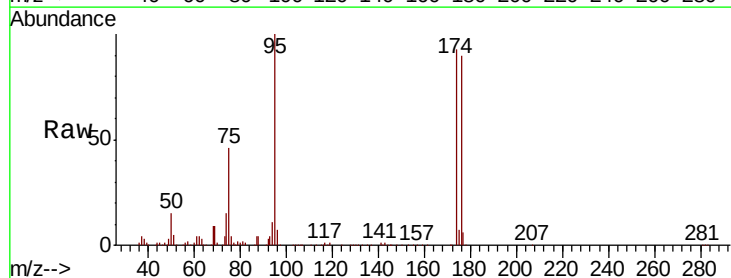
Tgt Ion: 95 Resp: 356426

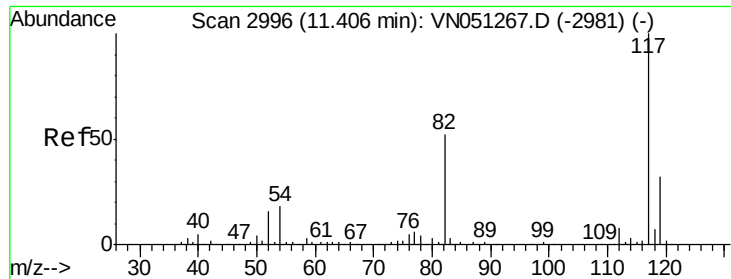
Ion Ratio Lower Upper

95 100

174 94.2 0.0 189.6

176 91.0 0.0 182.6

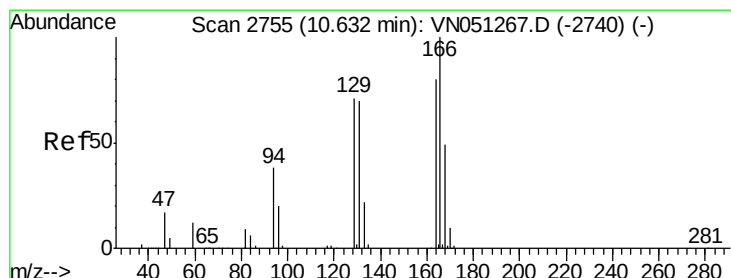
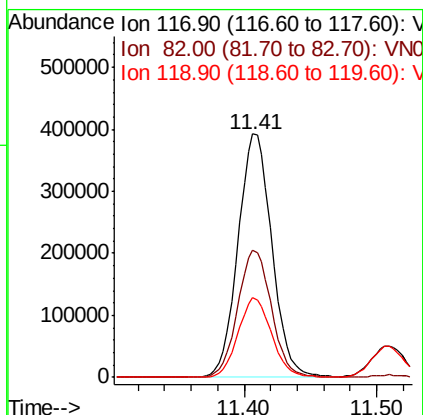
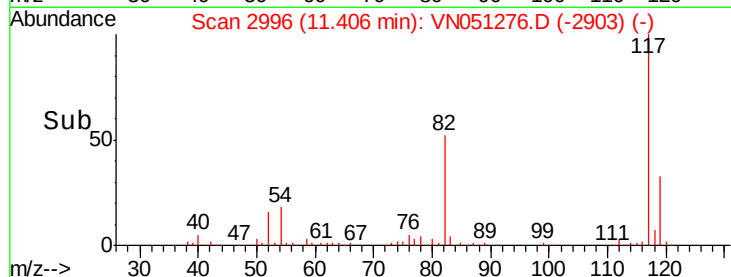
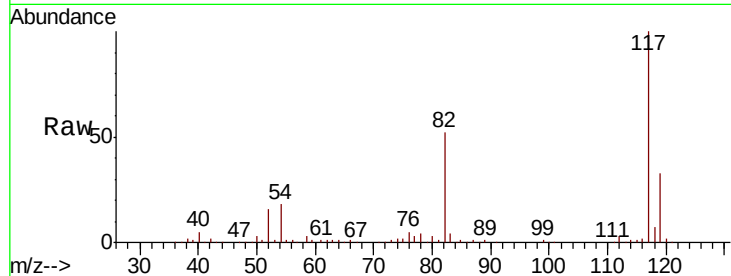




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

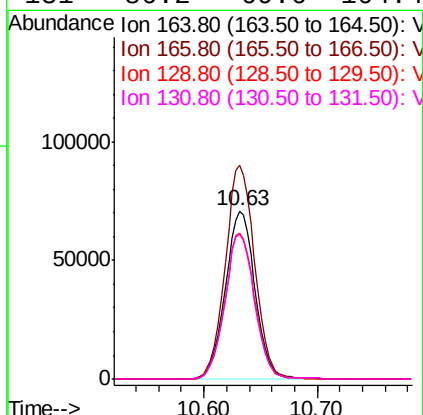
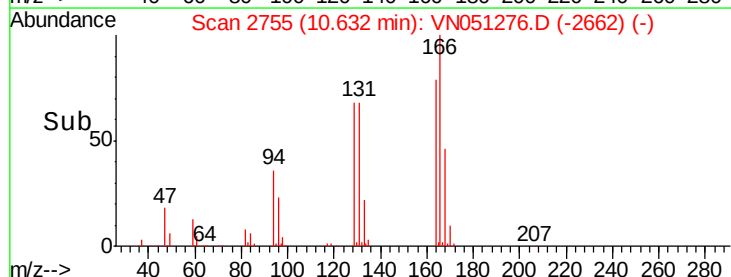
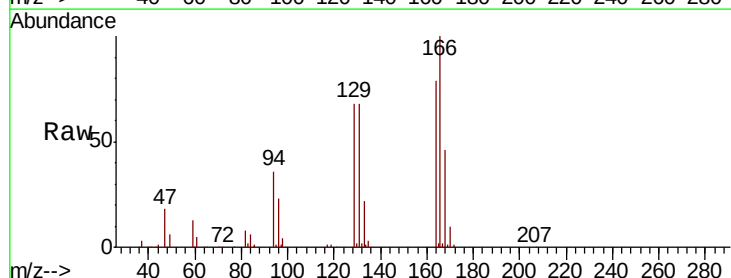
Instrument :
MSVOA_N
ClientSampled :

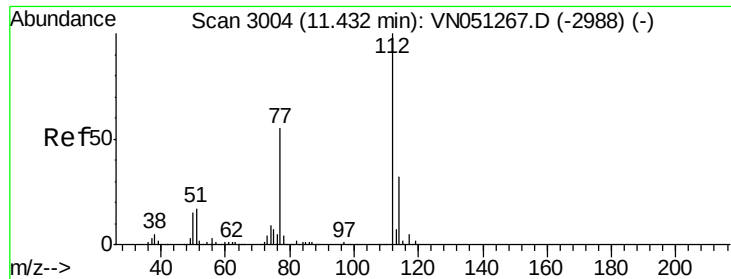
Tot Ion:117 Resp: 697353
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 19.41 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion:164 Resp: 128474
Ion Ratio Lower Upper
164 100
166 127.2 100.0 150.0
129 86.9 70.8 106.2
131 86.2 69.6 104.4





#65

Chlorobenzene

Concen: 19.89 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

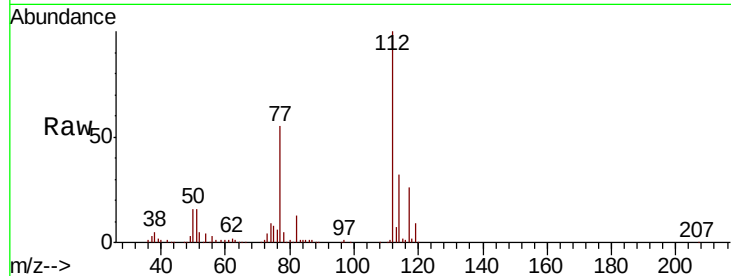
ClientSampled :

Tot Ion:112 Resp: 343093

Ion Ratio Lower Upper

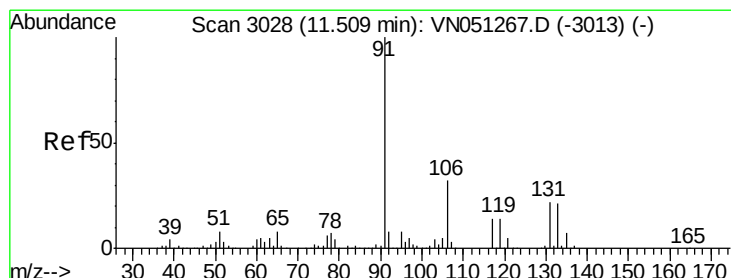
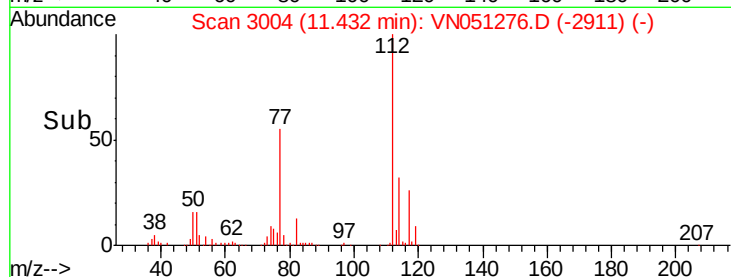
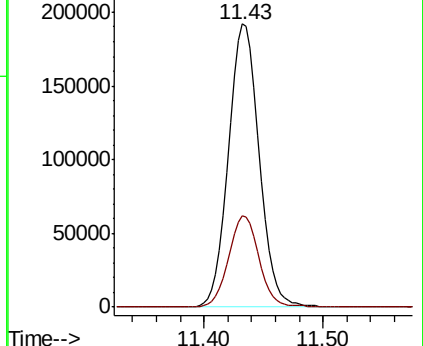
112 100

114 32.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

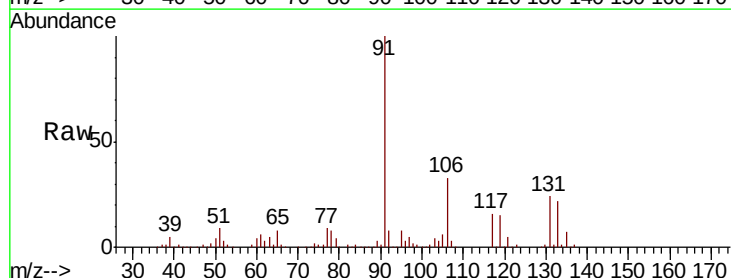
Tgt Ion:131 Resp: 132149

Ion Ratio Lower Upper

131 100

133 94.6 47.9 143.7

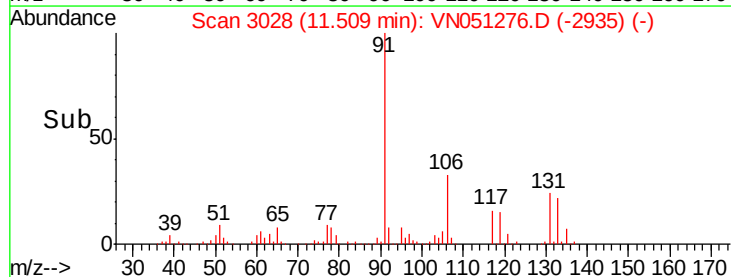
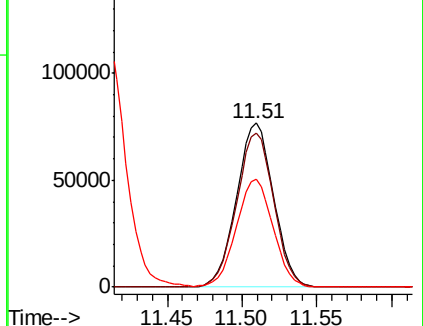
119 65.4 32.6 98.0

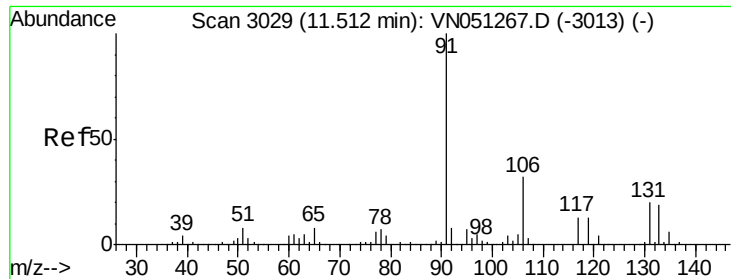


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

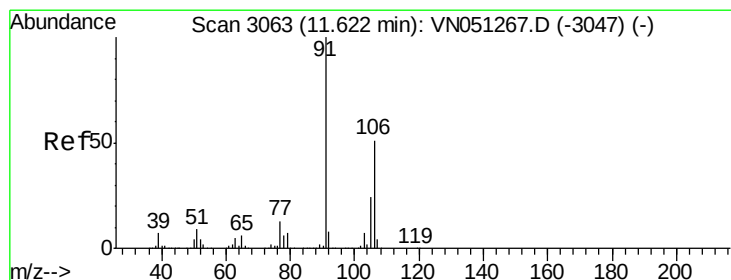
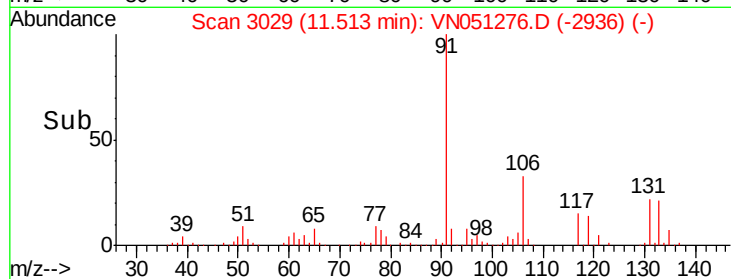
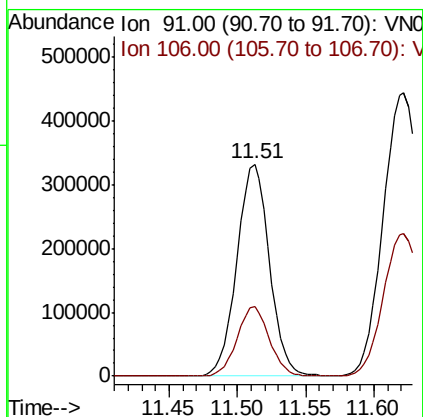
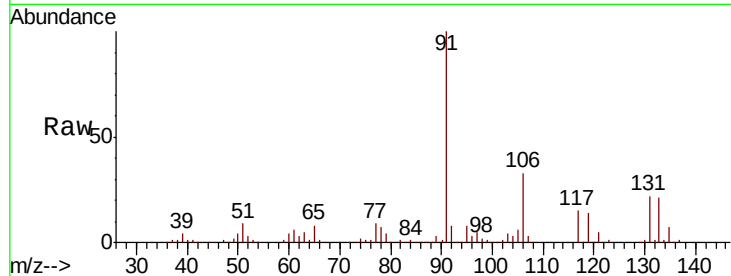




#67
Ethyl Benzene
Concen: 20.04 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

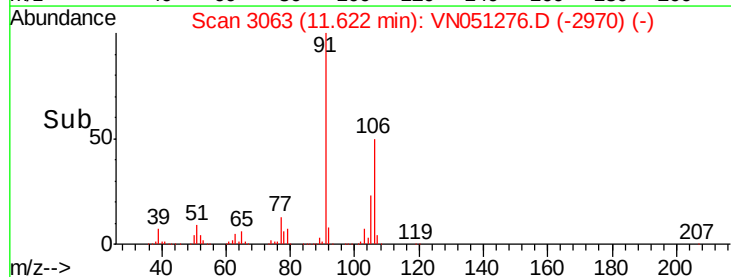
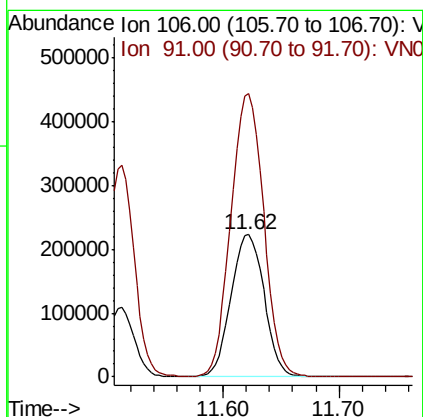
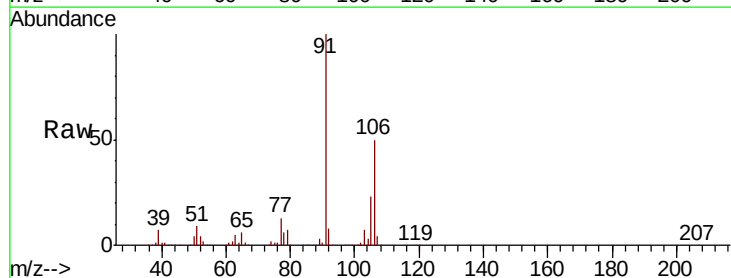
Instrument :
MSVOA_N
ClientSampled :

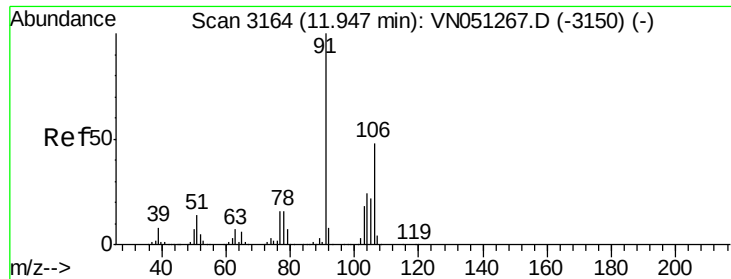
Tot Ion: 91 Resp: 550834
Ion Ratio Lower Upper
91 100
106 32.8 25.7 38.5



#68
m/p-Xylenes
Concen: 41.42 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion: 106 Resp: 442263
Ion Ratio Lower Upper
106 100
91 196.9 158.6 238.0

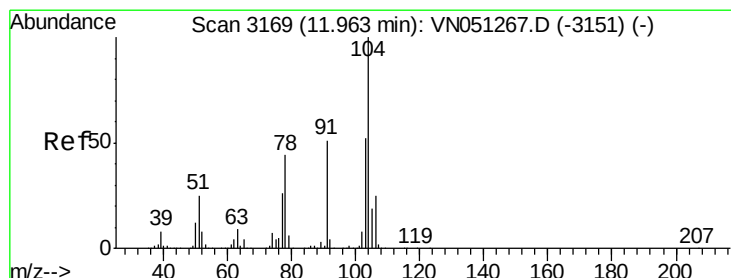
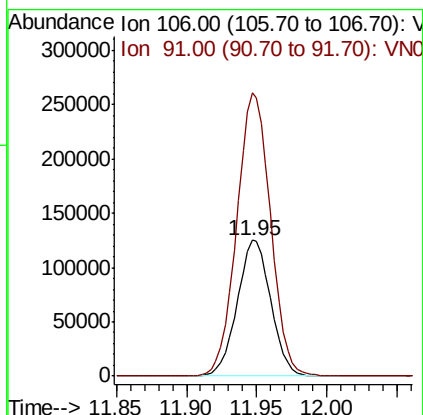
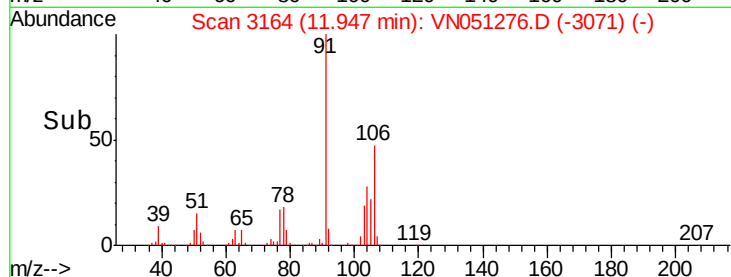
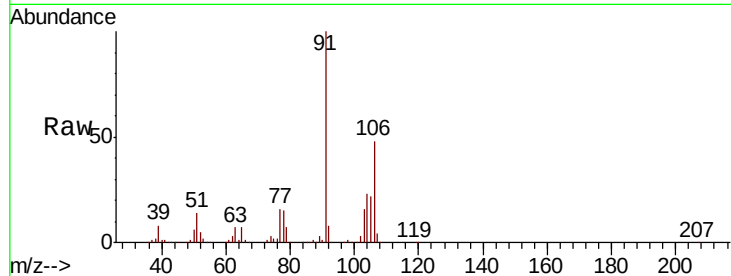




#69
o-Xylene
Concen: 20.45 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

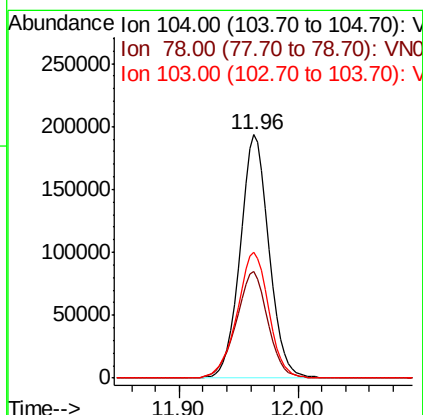
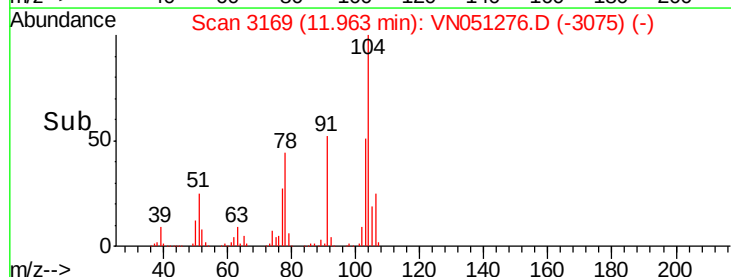
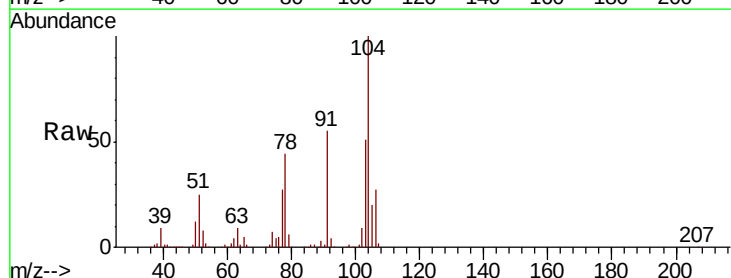
Instrument :
MSVOA_N
ClientSampled :

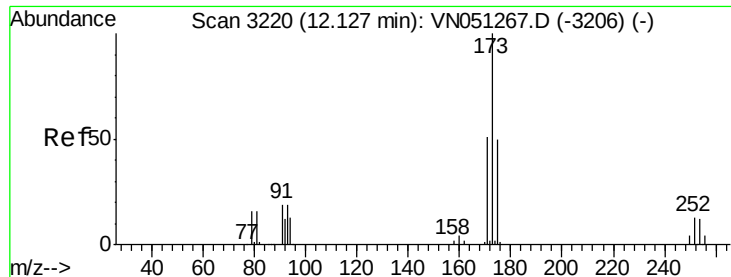
Tot Ion:106 Resp: 208135
Ion Ratio Lower Upper
106 100
91 210.7 104.1 312.3



#70
Styrene
Concen: 18.80 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051276.D
Acq: 17 Sep 2018 17:49

Tgt Ion:104 Resp: 324018
Ion Ratio Lower Upper
104 100
78 48.4 38.1 57.1
103 56.7 44.8 67.2





#71

Bromoform

Concen: 19.60 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

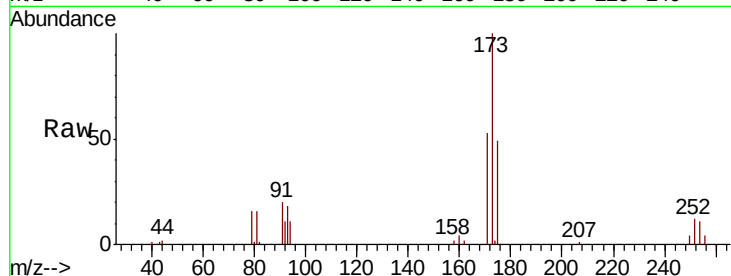
Tot Ion:173 Resp: 84860

Ion Ratio Lower Upper

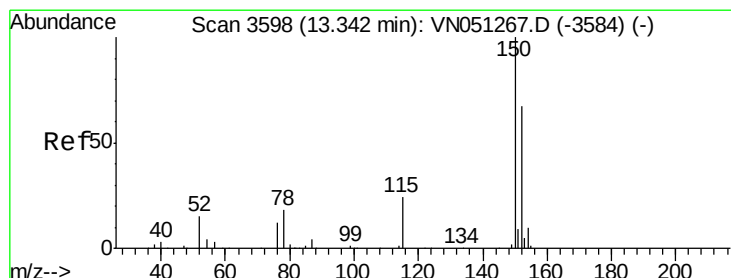
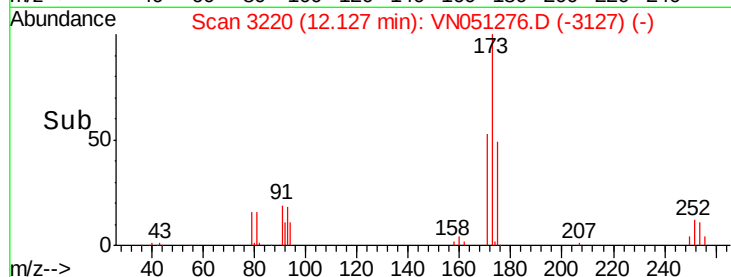
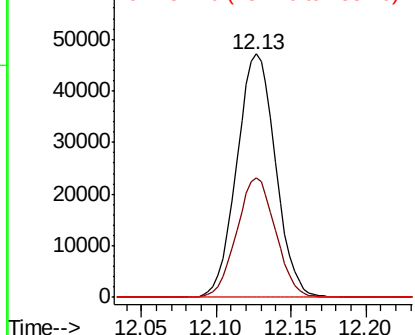
173 100

175 49.3 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

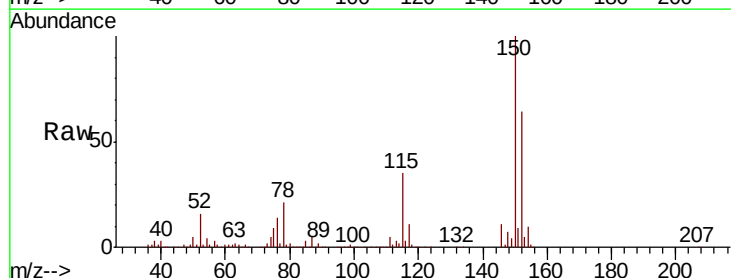
Tgt Ion:152 Resp: 319173

Ion Ratio Lower Upper

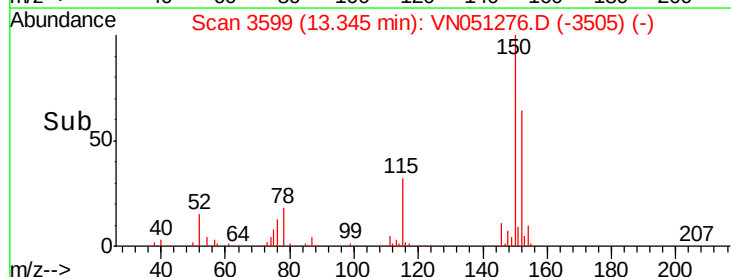
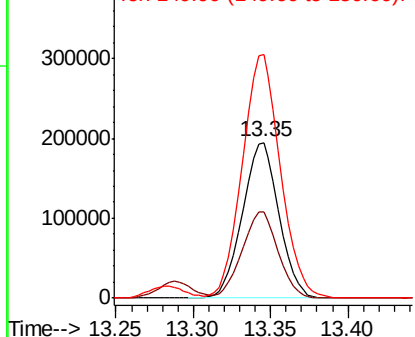
152 100

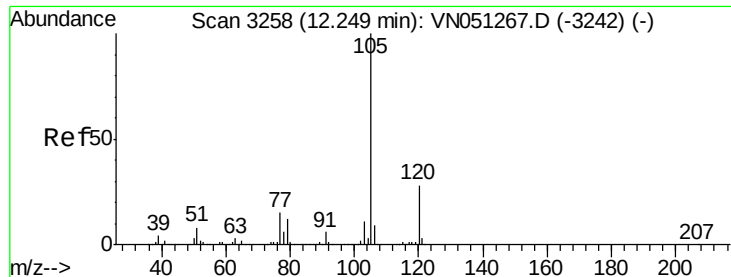
115 55.2 27.1 81.2

150 163.7 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: 20.33 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

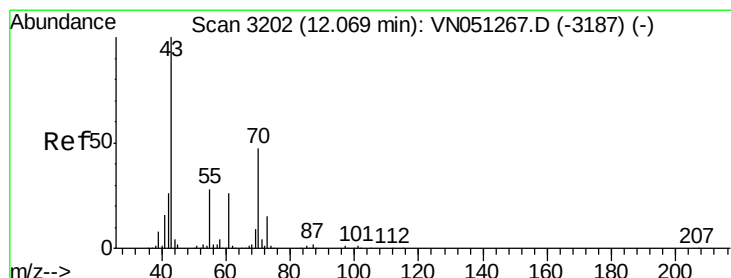
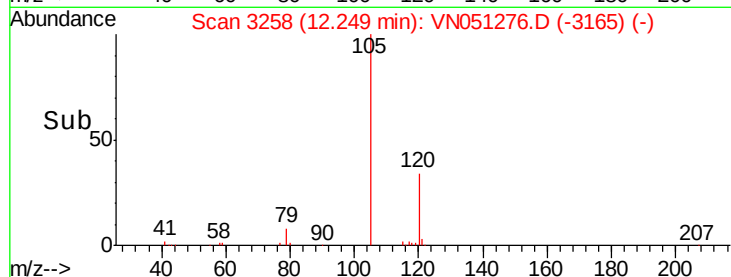
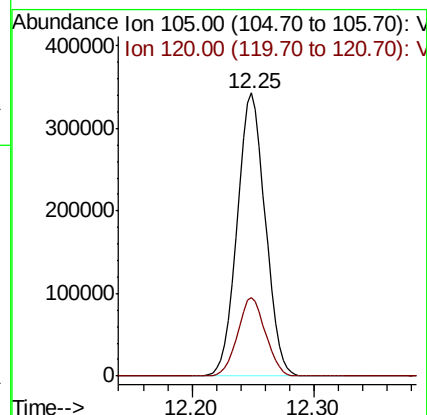
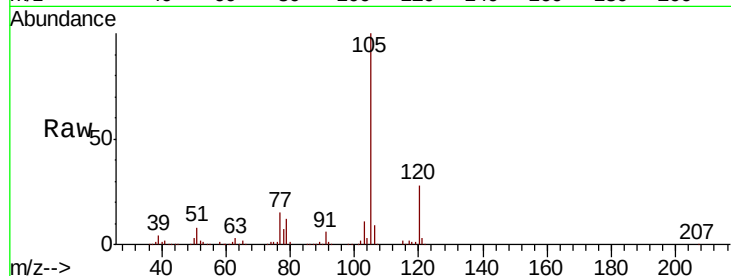
ClientSampleId :

Tot Ion:105 Resp: 547300

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.4



#74

N-ethyl acetate

Concen: 19.37 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Tgt Ion: 43 Resp: 107019

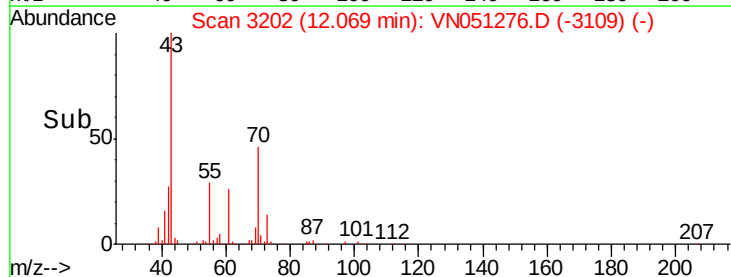
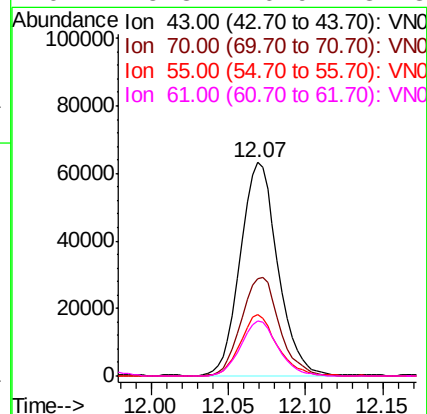
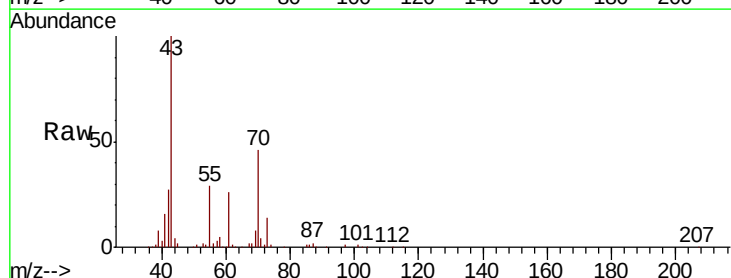
Ion Ratio Lower Upper

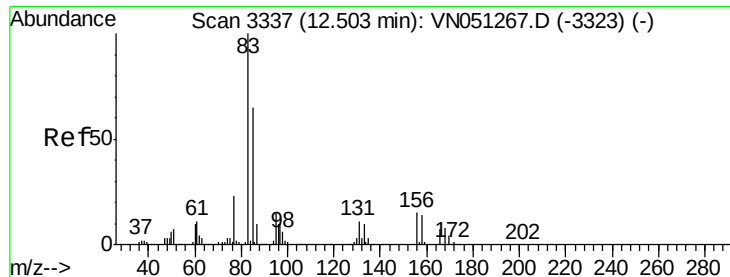
43 100

70 46.9 37.8 56.6

55 28.1 22.6 34.0

61 25.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.22 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

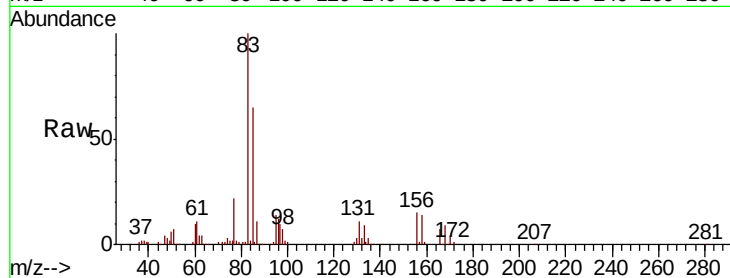
Tot Ion: 83 Resp: 128018

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

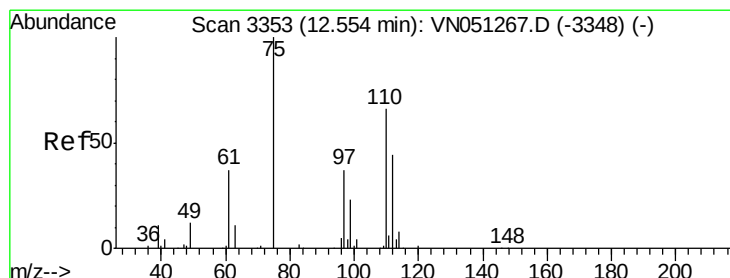
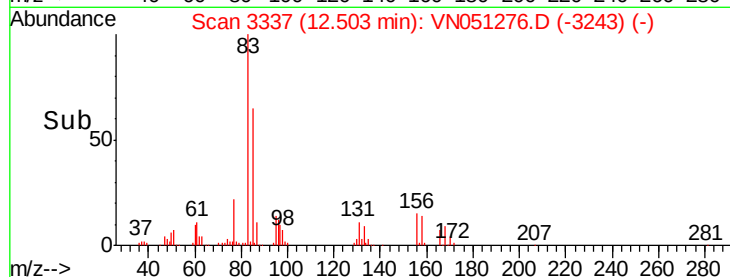
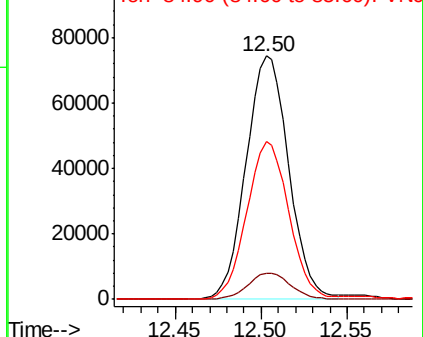
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.73 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051276.D

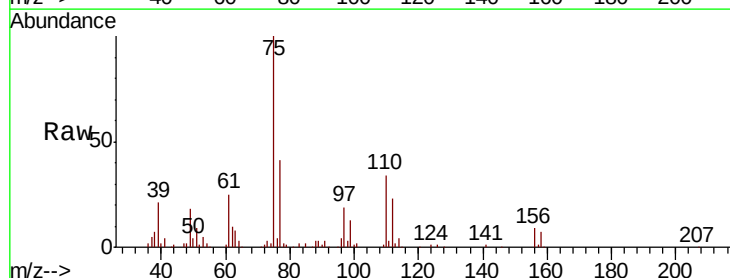
Acq: 17 Sep 2018 17:49

Tgt Ion: 75 Resp: 147036

Ion Ratio Lower Upper

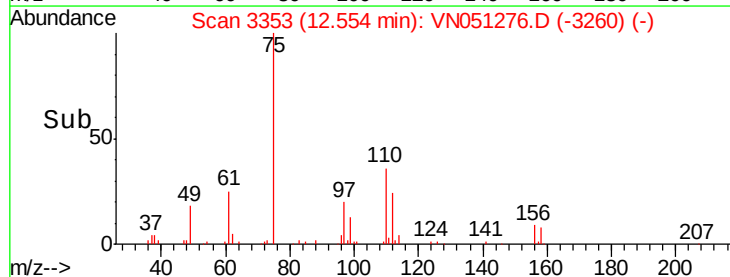
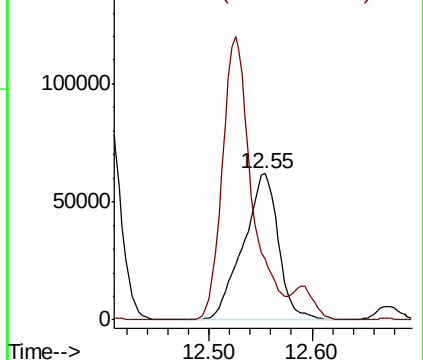
75 100

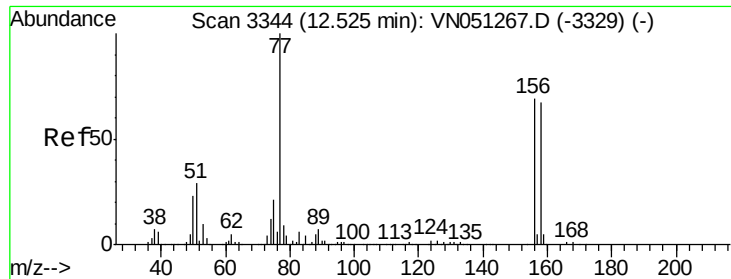
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.51 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

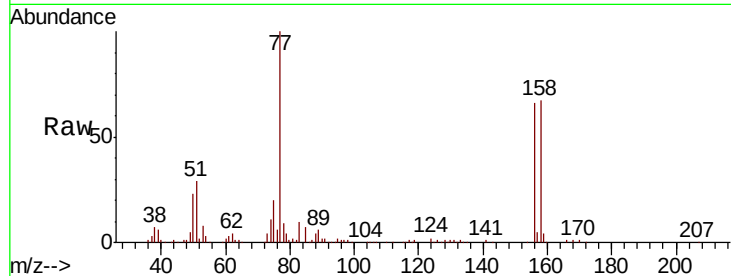
Tot Ion:156 Resp: 141625

Ion Ratio Lower Upper

156 100

77 168.4 83.7 251.1

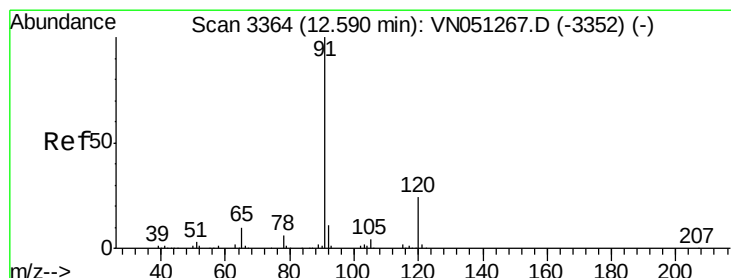
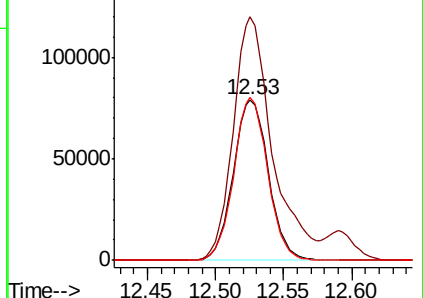
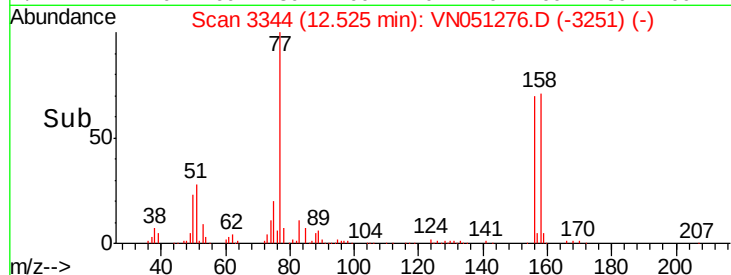
158 97.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.29 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051276.D

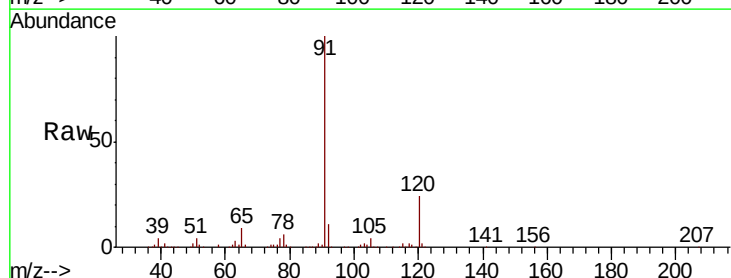
Acq: 17 Sep 2018 17:49

Tgt Ion: 91 Resp: 589050

Ion Ratio Lower Upper

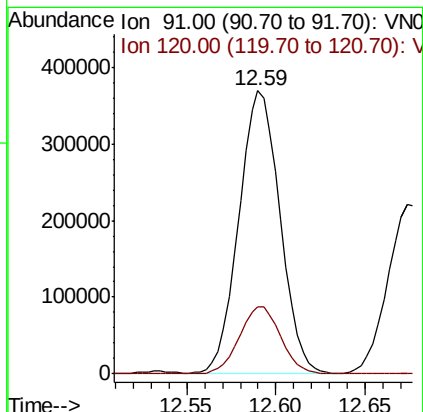
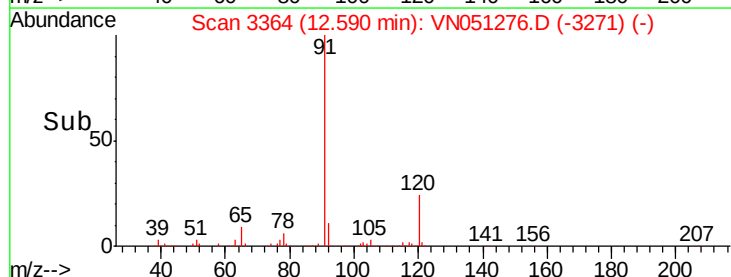
91 100

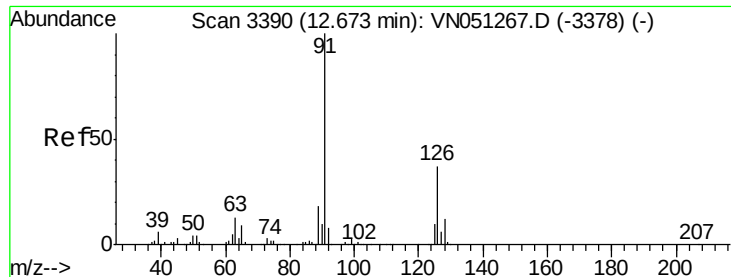
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.69 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

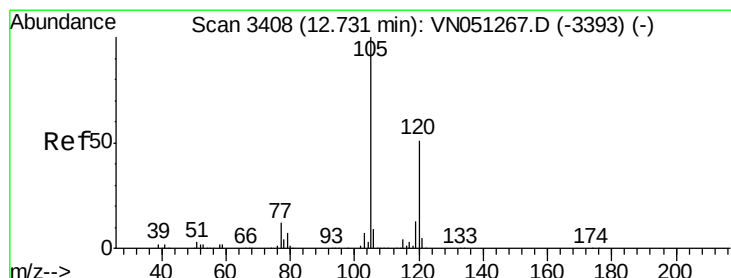
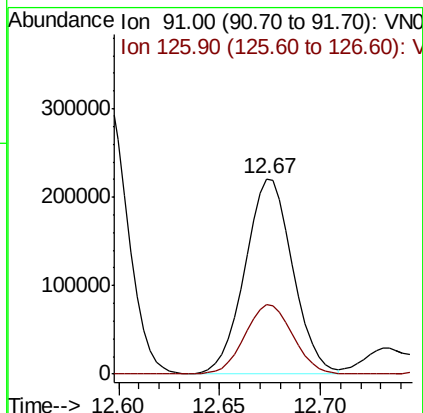
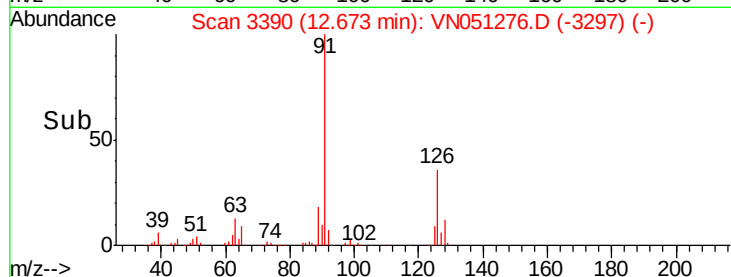
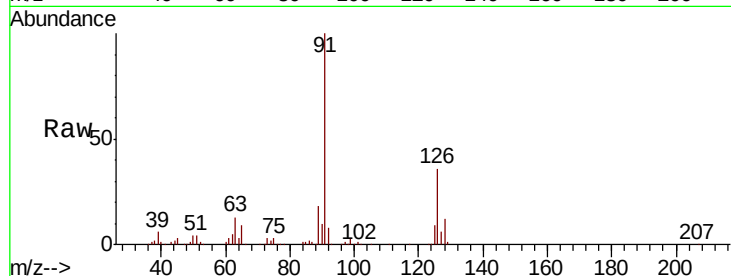
ClientSampleId :

Tot Ion: 91 Resp: 363430

Ion Ratio Lower Upper

91 100

126 36.2 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 20.71 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051276.D

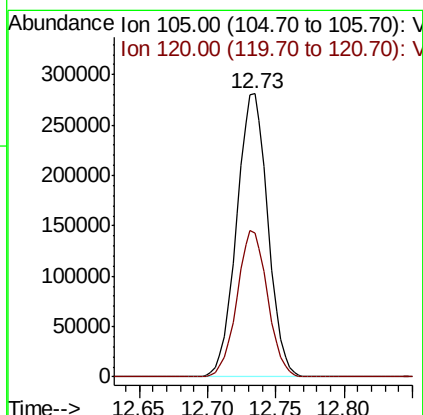
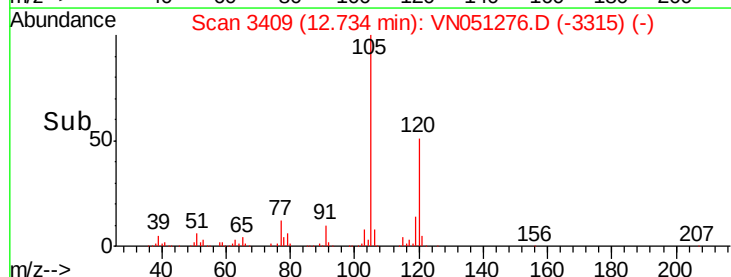
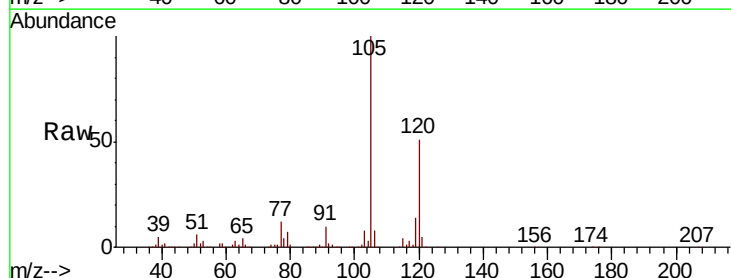
Acq: 17 Sep 2018 17:49

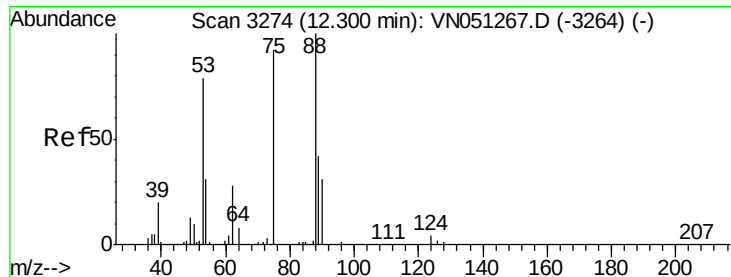
Tgt Ion: 105 Resp: 445788

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.95 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

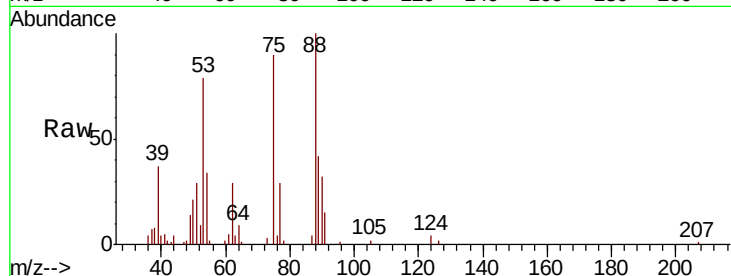
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 28663

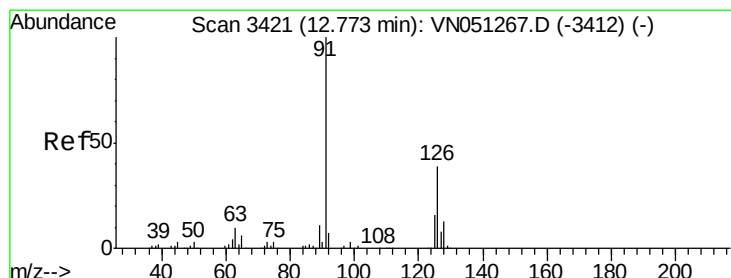
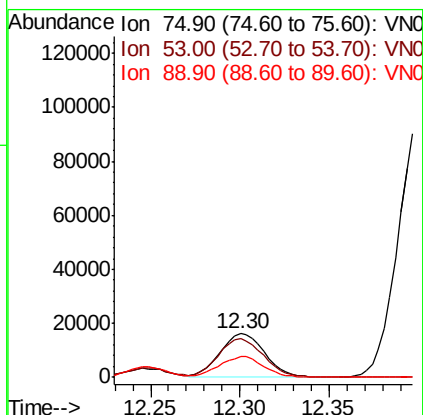
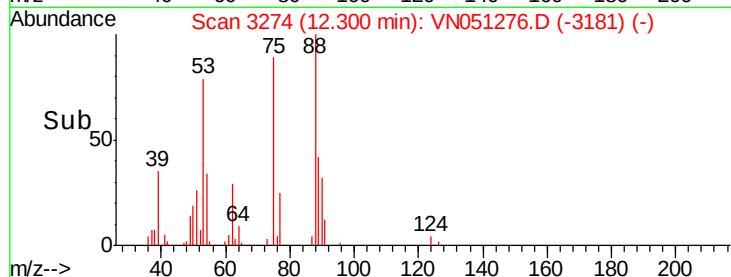
Ion	Ratio	Lower	Upper
75	100		
53	88.5	67.7	101.5
89	46.2	36.9	55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.08 ug/l

RT: 12.77 min Scan# 3421

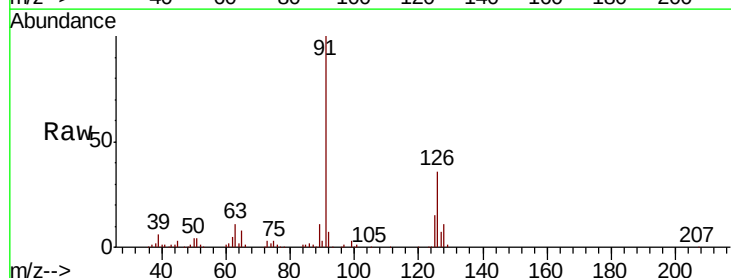
Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

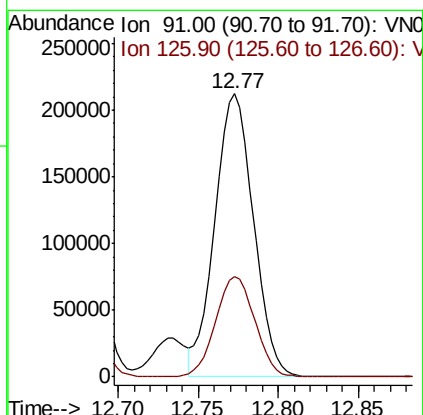
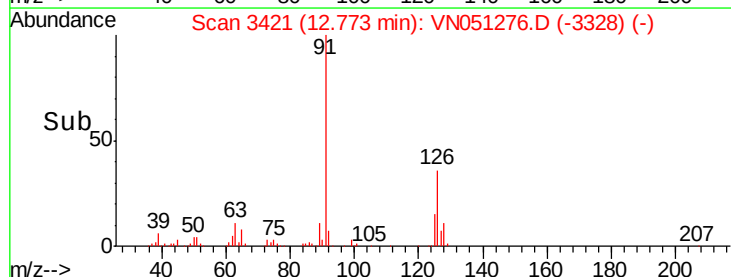
Tgt Ion: 91 Resp: 352552

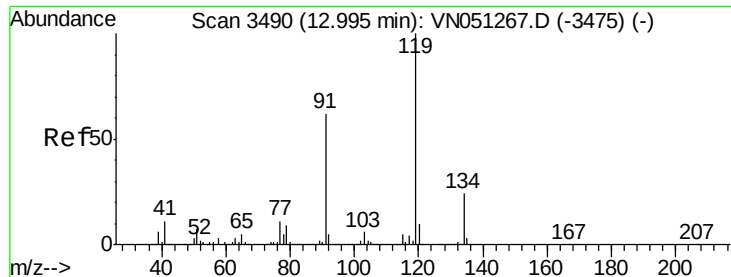
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

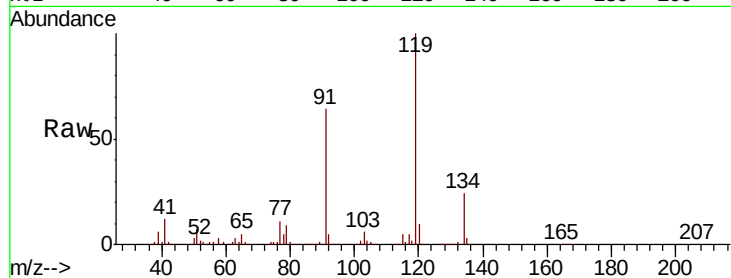




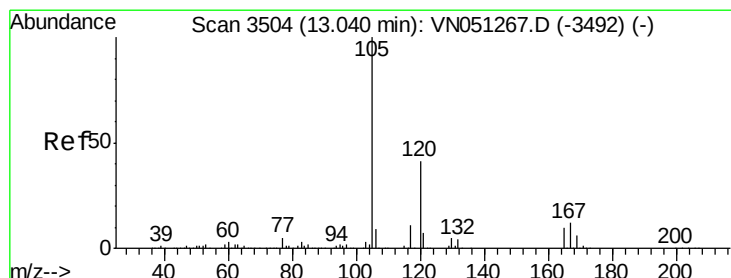
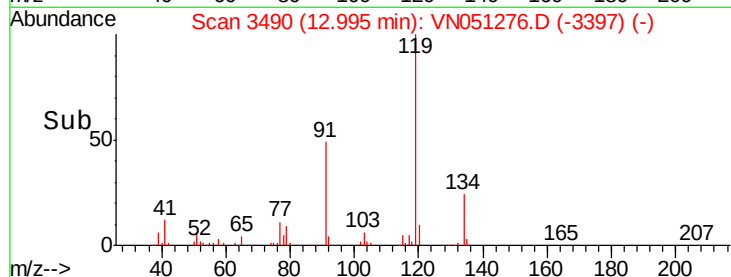
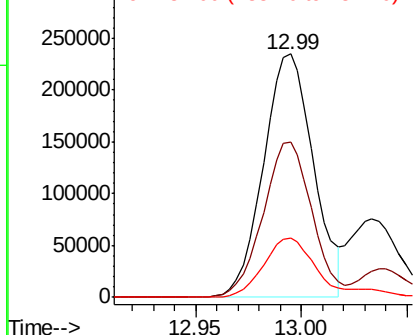
#83
 tert-Butylbenzene
 Concen: 20.42 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 388259
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.8 92.4
 134 24.8 12.4 37.0

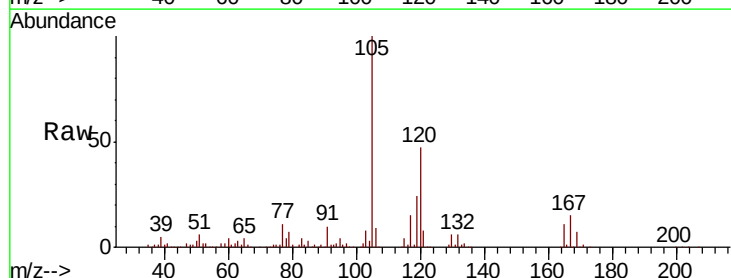


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

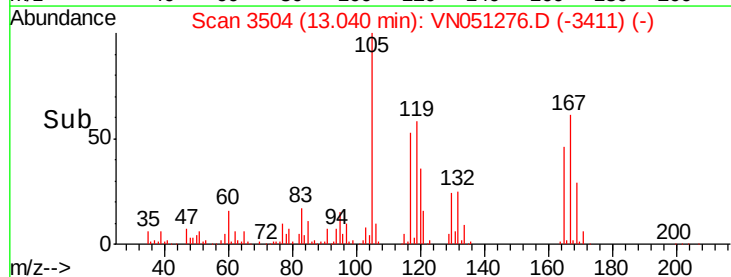
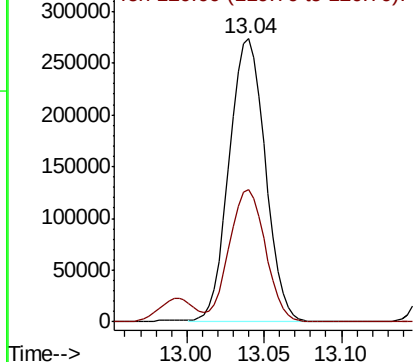


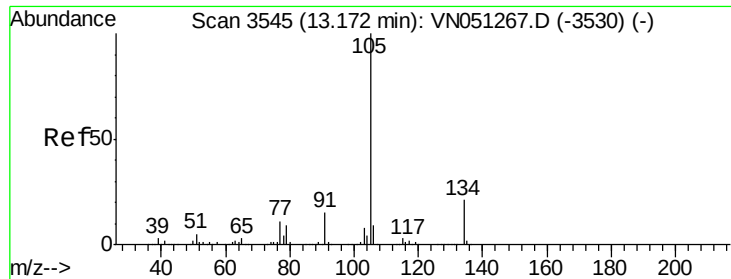
#84
 1,2,4-Trimethylbenzene
 Concen: 21.19 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion:105 Resp: 442832
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6



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





#85

sec-Butylbenzene

Concen: 20.33 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

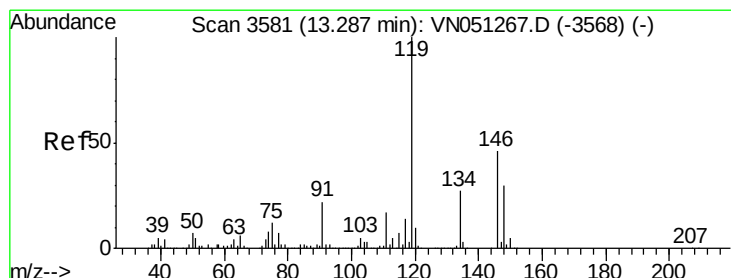
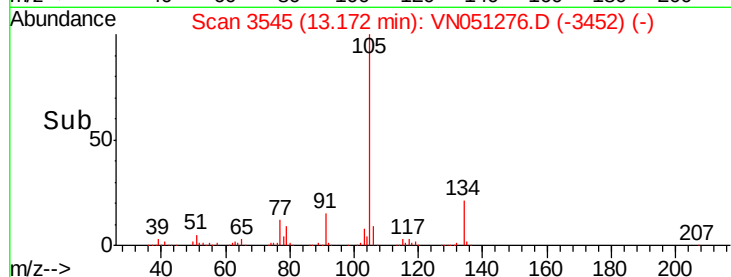
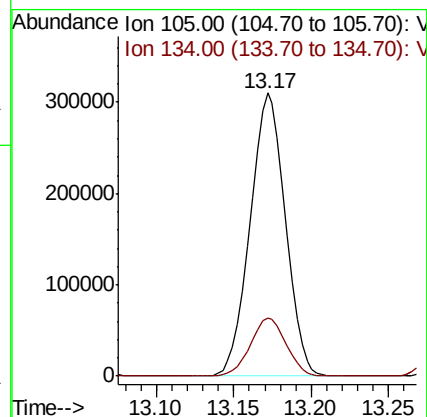
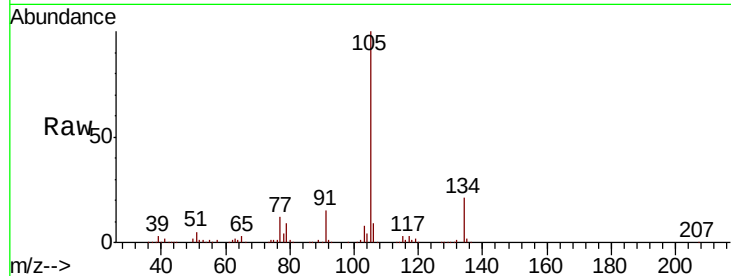
ClientSampleId :

Tot Ion:105 Resp: 491024

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.83 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

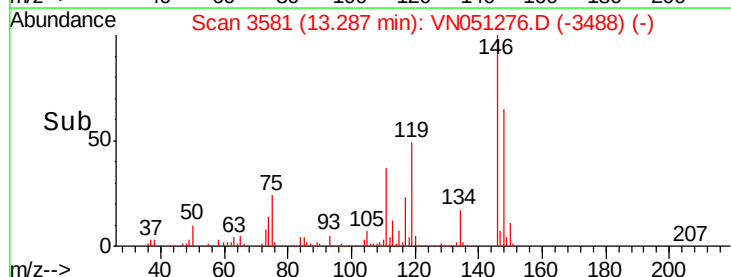
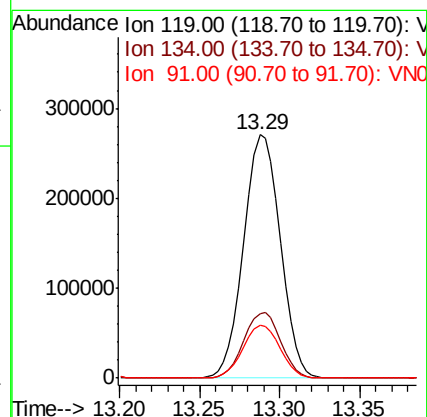
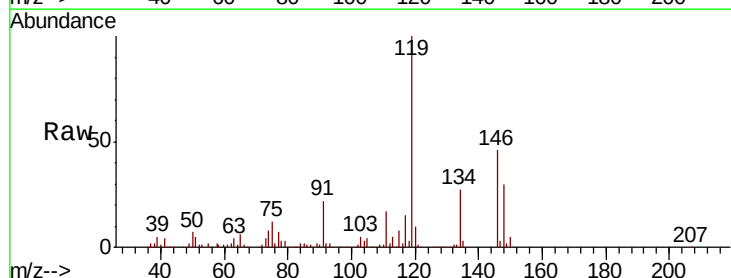
Tgt Ion:119 Resp: 421751

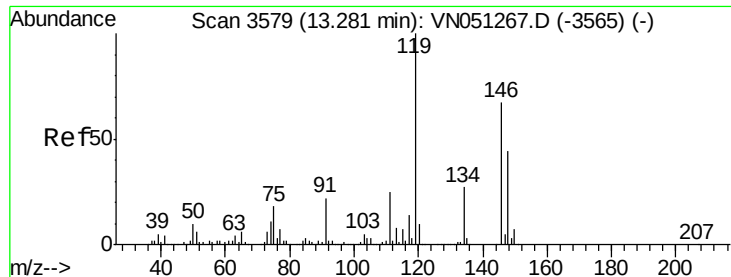
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.7 11.1 33.1

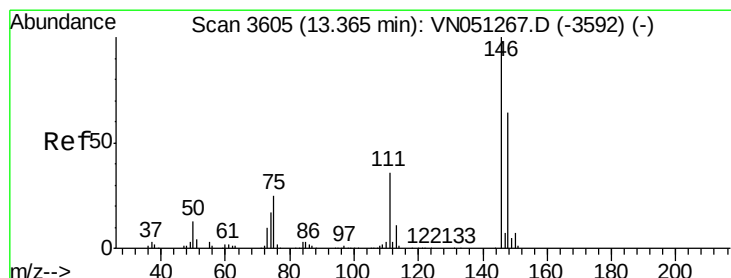
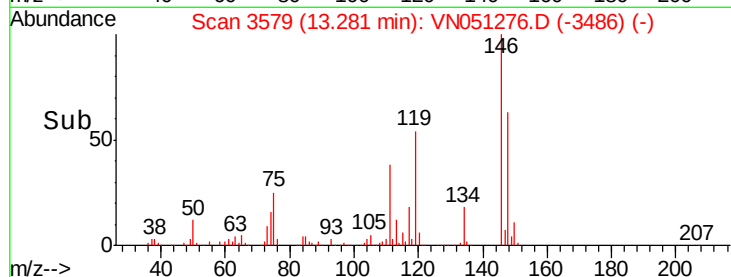
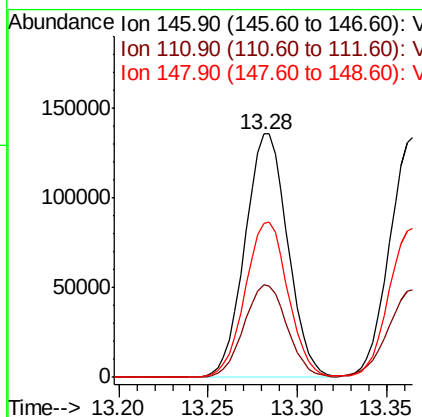
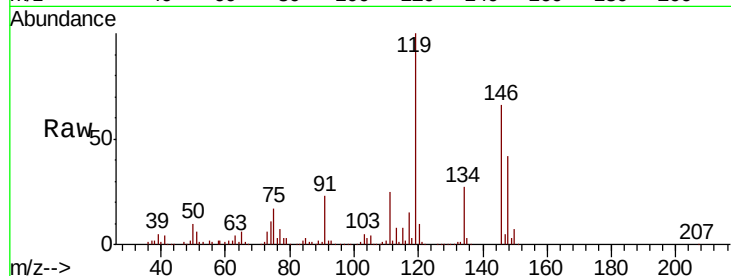




#87
 1,3-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

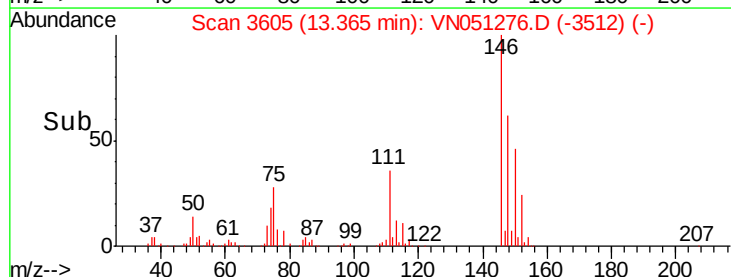
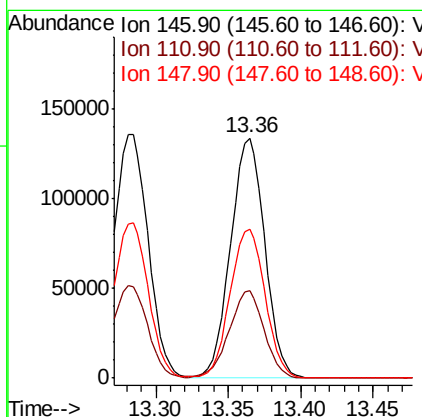
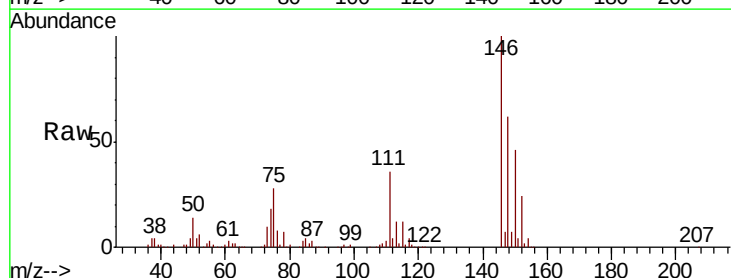
Instrument :
 MSVOA_N
 ClientSampleId :

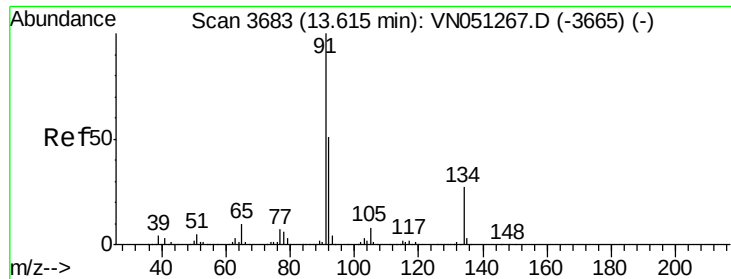
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	63.8	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.2	54.6
148	63.5	31.9	95.7





#89

n-Butylbenzene

Concen: 18.63 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

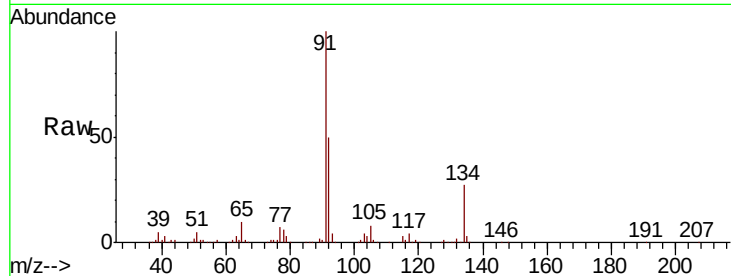
Tot Ion: 91 Resp: 287954

Ion Ratio Lower Upper

91 100

92 50.7 25.8 77.4

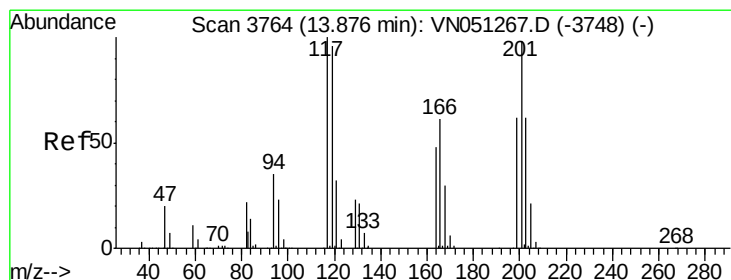
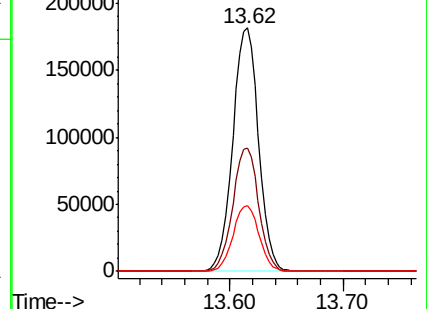
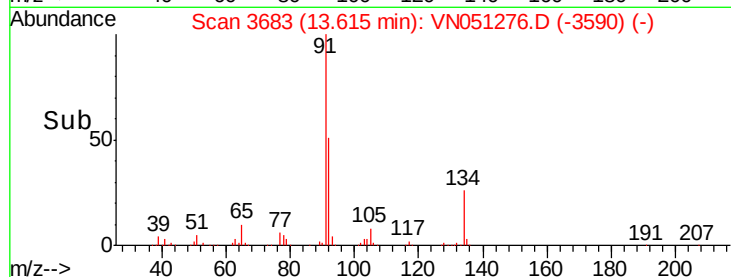
134 27.1 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN051267.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3665) (-)



#90

Hexachloroethane

Concen: 20.34 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051276.D

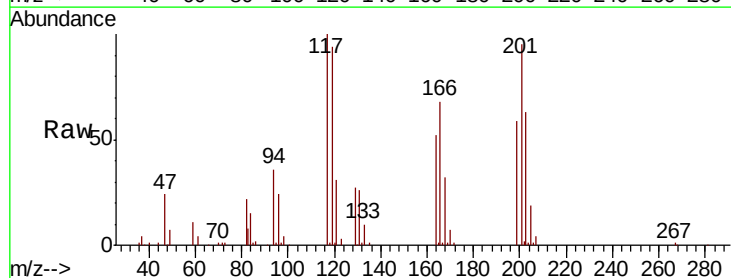
Acq: 17 Sep 2018 17:49

Tgt Ion: 117 Resp: 82352

Ion Ratio Lower Upper

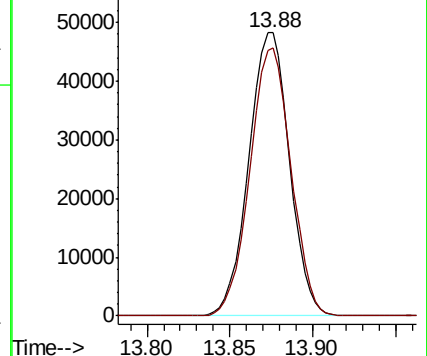
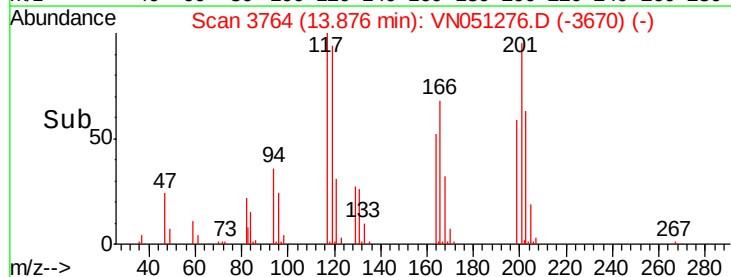
117 100

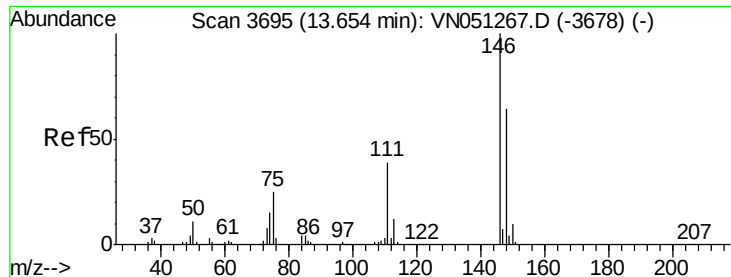
201 95.1 48.4 145.3



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051267.D (-3748) (-)

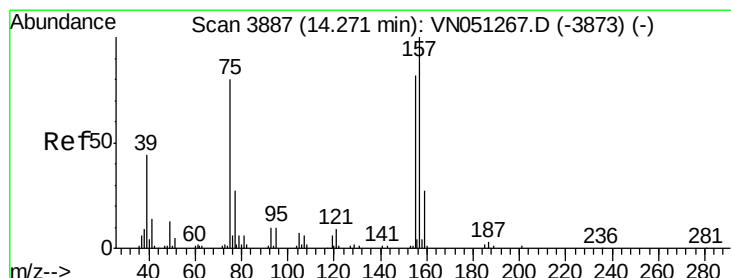
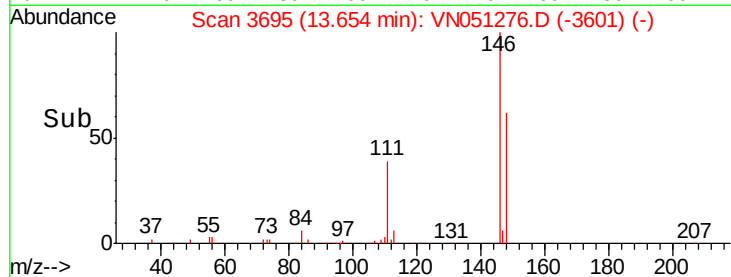
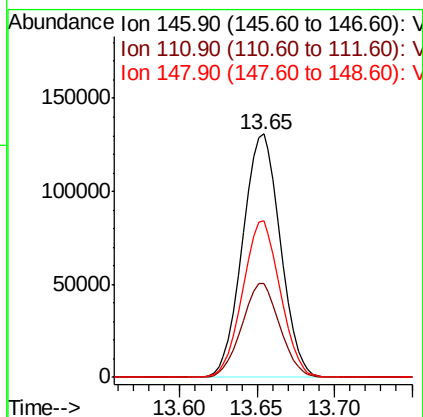
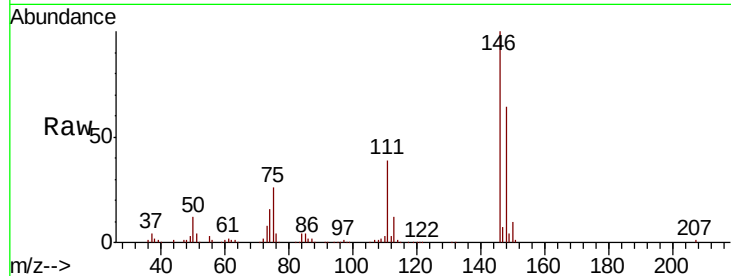




#91
 1,2-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

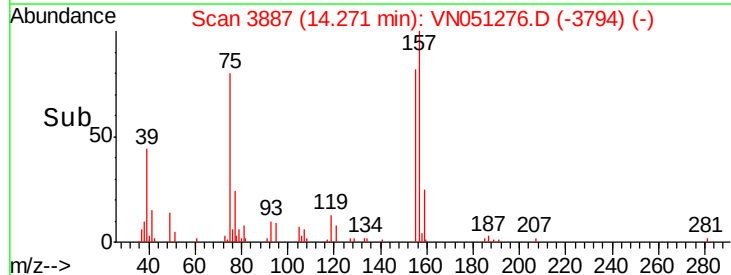
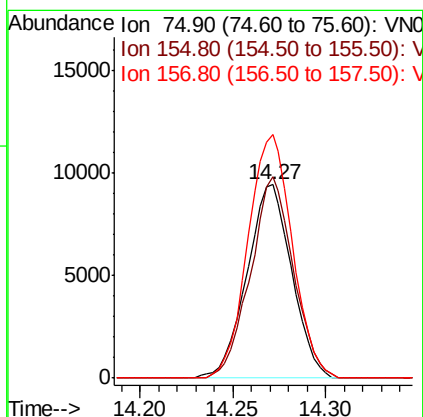
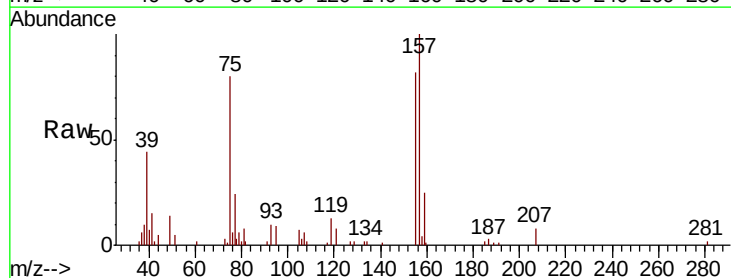
Instrument :
 MSVOA_N
 ClientSampleId :

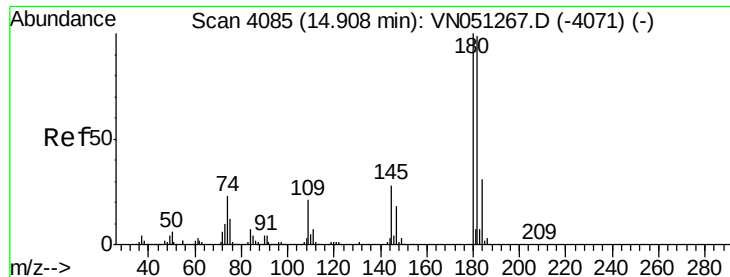
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	63.8	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.26 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	50.2	150.7
157	124.6	62.9	188.7

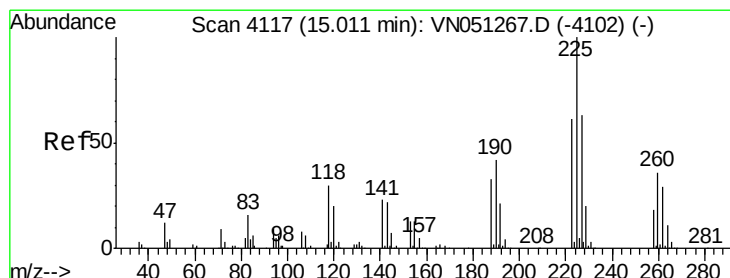
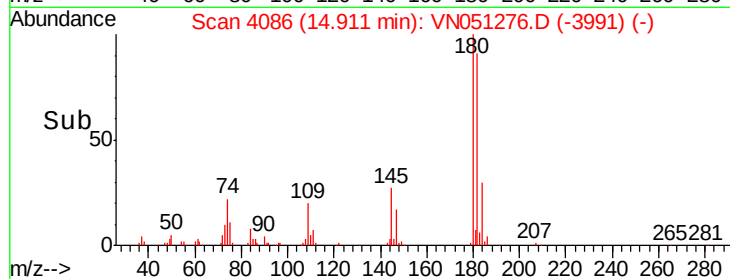
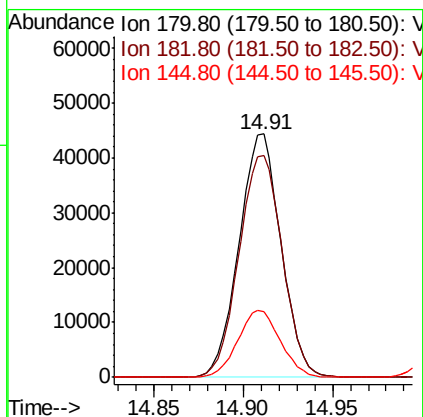
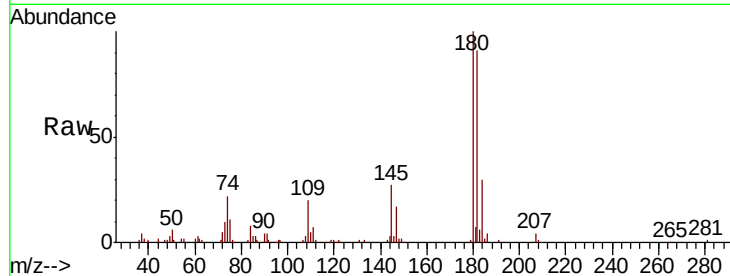




#93
 1,2,4-Trichlorobenzene
 Concen: 17.21 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

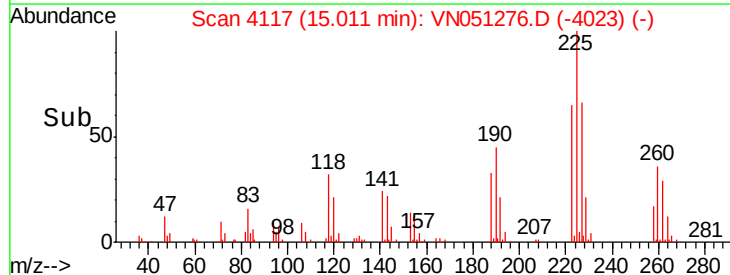
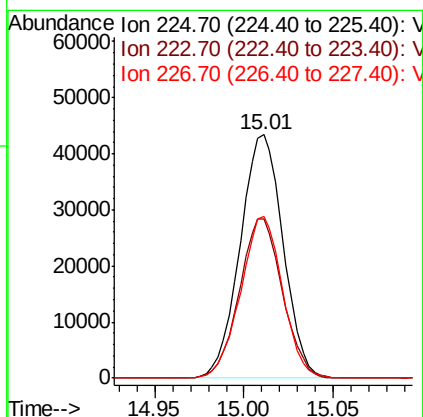
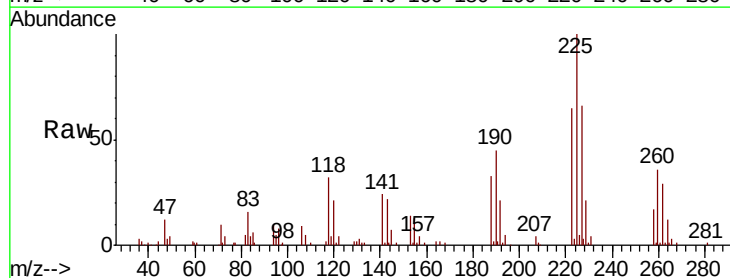
Instrument :
 MSVOA_N
 ClientSampleId :

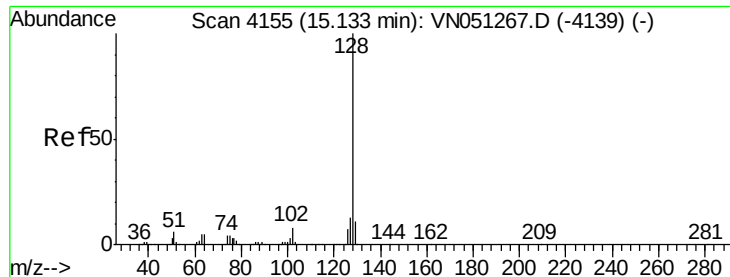
Tot Ion:180 Resp: 72882
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.5 145.6
 145 27.7 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 19.06 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051276.D
 Acq: 17 Sep 2018 17:49

Tgt Ion:225 Resp: 72723
 Ion Ratio Lower Upper
 225 100
 223 65.6 30.8 92.3
 227 64.6 32.1 96.3





#95

Naphthalene

Concen: 18.84 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

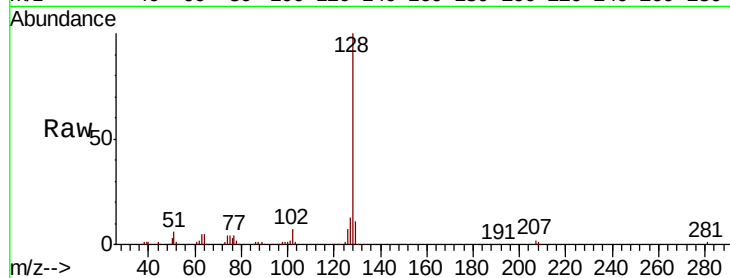
Tot Ion:128 Resp: 146328

Ion Ratio Lower Upper

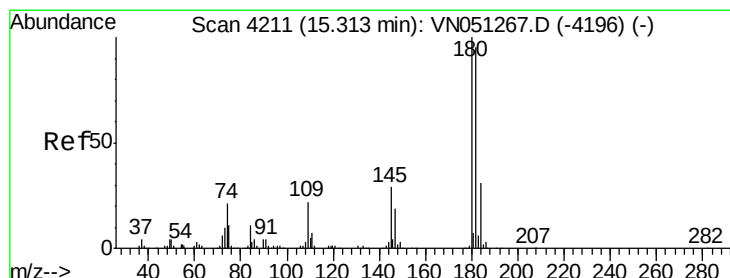
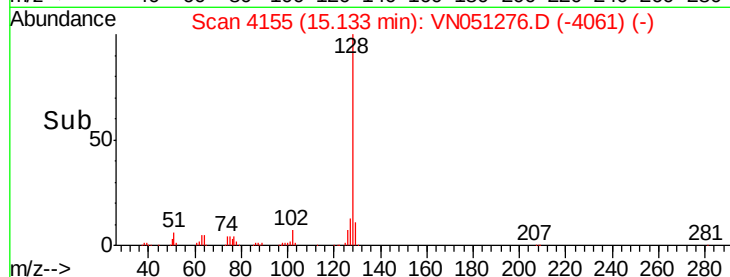
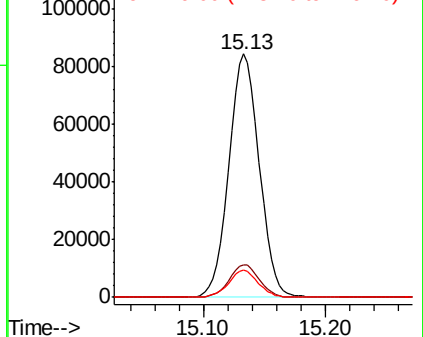
128 100

127 13.3 10.7 16.1

129 10.7 8.9 13.3



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: 17.98 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051276.D

Acq: 17 Sep 2018 17:49

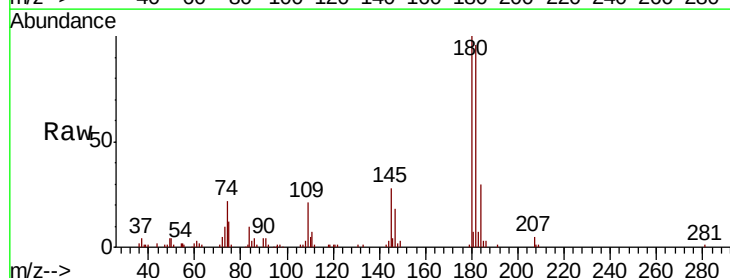
Tgt Ion:180 Resp: 77954

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 29.3 14.8 44.4



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

