

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049286.D
 Acq On : 16 Jun 2018 3:52
 Operator : MD\SY
 Sample : VN0616WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 05:04:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1400489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2151456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	882058	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	967682	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	878120	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.09	98	3310089	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	1040906	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	292076	18.12	ug/l	100
3) Chloromethane	2.06	50	382348	18.37	ug/l	99
4) Vinyl Chloride	2.18	62	422435	19.10	ug/l	98
5) Bromomethane	2.57	94	221142	19.02	ug/l	93
6) Chloroethane	2.71	64	261691	19.84	ug/l	99
7) Trichlorofluoromethane	3.02	101	533089	19.32	ug/l	98
8) Diethyl Ether	3.41	74	183442	19.04	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333027	19.03	ug/l	93
10) Methyl Iodide	3.95	142	351837	19.31	ug/l	93
11) Tert butyl alcohol	4.79	59	89942	82.50	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	297503	18.53	ug/l	92
13) Acrolein	3.61	56	107772	94.26	ug/l	99
14) Allyl chloride	4.32	41	467653	18.44	ug/l	90
15) Acrylonitrile	4.99	53	489397	89.77	ug/l	100
16) Acetone	3.82	43	334900	74.26	ug/l	90
17) Carbon Disulfide	4.05	76	899575	17.87	ug/l	100
18) Methyl Acetate	4.33	43	259766	18.89	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	760819	18.58	ug/l	100
20) Methylene Chloride	4.55	84	355559	18.88	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	321182	18.89	ug/l	92
22) Diisopropyl ether	5.96	45	1007698	19.90	ug/l	98
23) Vinyl Acetate	5.90	43	3041598	92.15	ug/l	95
24) 1,1-Dichloroethane	5.85	63	628042	19.38	ug/l	98
25) 2-Butanone	6.84	43	500009	82.56	ug/l	95
26) 2,2-Dichloropropane	6.83	77	408034	15.59	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	362369	19.17	ug/l	91
28) Bromochloromethane	7.20	49	291587	20.29	ug/l	84
29) Tetrahydrofuran	7.22	42	337778	86.65	ug/l	96
30) Chloroform	7.37	83	631856	19.59	ug/l	99
31) Cyclohexane	7.66	56	533515	19.31	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	543064	19.73	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473356	19.20	ug/l	98
37) Ethyl Acetate	6.93	43	249613	18.62	ug/l	98
38) Carbon Tetrachloride	7.77	117	480702	18.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	460541	17.40	ug/l	97
40) Benzene	8.04	78	1433993	18.97	ug/l	99
41) Methacrylonitrile	7.17	41	130394	17.99	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	439491	18.82	ug/l	96
43) Isopropyl Acetate	8.17	43	493743	19.28	ug/l	99
44) Trichloroethene	8.84	130	376624	18.87	ug/l	92
45) 1,2-Dichloropropane	9.12	63	374878	18.94	ug/l	99
46) Dibromomethane	9.21	93	216830	18.89	ug/l	91
47) Bromodichloromethane	9.40	83	474608	18.82	ug/l	96
48) Methyl methacrylate	9.20	41	213977	17.74	ug/l	88
49) 1,4-Dioxane	9.20	88	55458	333.15	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1177362	87.71	ug/l	95
52) Toluene	10.16	92	866636	19.53	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	413002	17.12	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	505408	17.74	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	311174	18.81	ug/l	98
56) Ethyl methacrylate	10.43	69	335249	17.57	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	503645	18.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	475596	80.05	ug/l	95
59) 2-Hexanone	10.75	43	706723	81.66	ug/l	94
60) Dibromochloromethane	10.90	129	338884	18.36	ug/l	97
61) 1,2-Dibromoethane	11.01	107	276898	18.01	ug/l	99
64) Tetrachloroethene	10.63	164	399680	20.43	ug/l	98
65) Chlorobenzene	11.44	112	926629	18.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	352563	19.05	ug/l	98
67) Ethyl Benzene	11.51	91	1554306	19.05	ug/l	98
68) m/p-Xylenes	11.62	106	1199640	39.18	ug/l	97
69) o-Xylene	11.95	106	571884	19.39	ug/l	95
70) Styrene	11.97	104	902807	19.40	ug/l	98
71) Bromoform	12.13	173	215285	17.97	ug/l #	99
73) Isopropylbenzene	12.25	105	1528418	19.74	ug/l	98
74) N-amyl acetate	12.07	43	314988	16.61	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	334955	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	401359	26.67	ug/l #	100
77) Bromobenzene	12.53	156	381163	18.63	ug/l	90
78) n-propylbenzene	12.59	91	1670429	19.64	ug/l	99
79) 2-Chlorotoluene	12.68	91	1040856	19.32	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1223798	20.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	74693	15.69	ug/l	96
82) 4-Chlorotoluene	12.78	91	1011325	19.46	ug/l	97
83) tert-Butylbenzene	13.00	119	1034124	19.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1239785	20.50	ug/l	100
85) sec-Butylbenzene	13.17	105	1363544	19.00	ug/l	98
86) p-Isopropyltoluene	13.29	119	1140733	19.02	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	627899	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	599100	17.96	ug/l	100
89) n-Butylbenzene	13.62	91	793597	16.94	ug/l	98
90) Hexachloroethane	13.88	117	240448	20.17	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	618931	18.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45574	16.90	ug/l	90

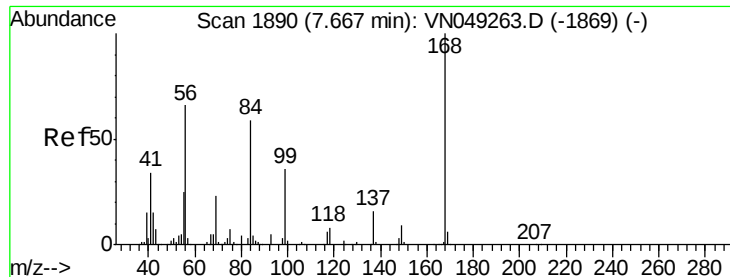
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177450	15.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	186330	17.53	ug/l	99
95) Naphthalene	15.14	128	333551	15.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	201995	16.17	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

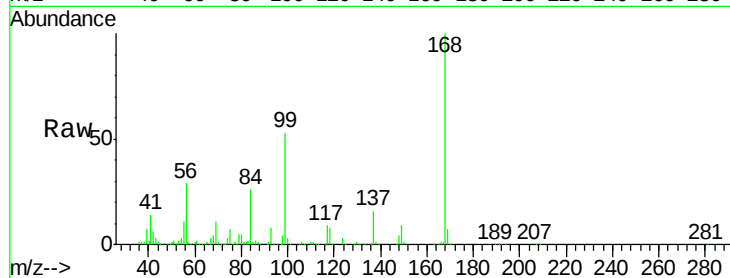
ClientSampleId :

Tot Ion:168 Resp: 1400489

Ion Ratio Lower Upper

168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

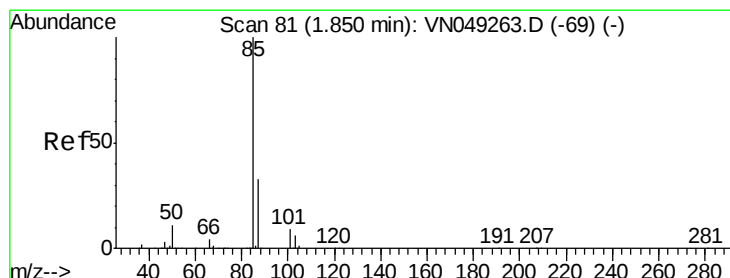
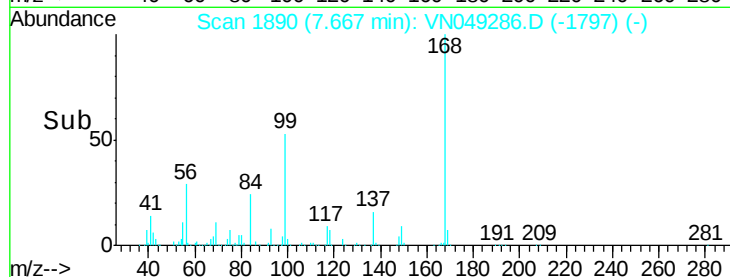
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.12 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049286.D

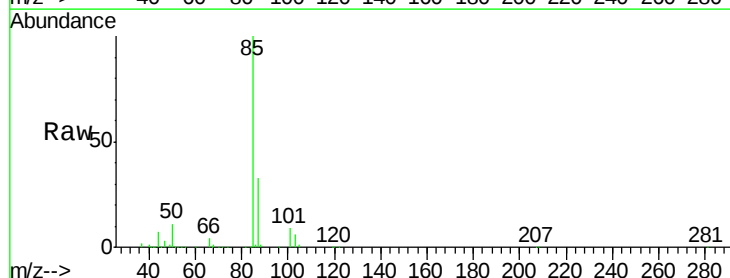
Acq: 16 Jun 2018 3:52

Tgt Ion: 85 Resp: 292076

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

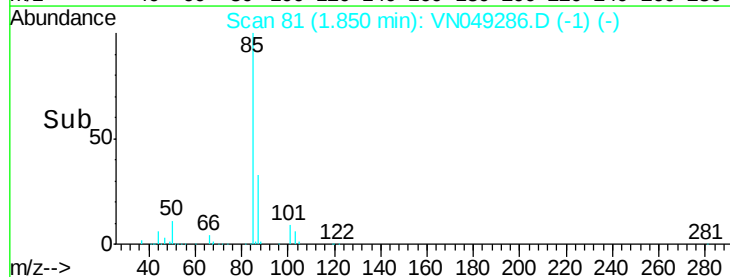
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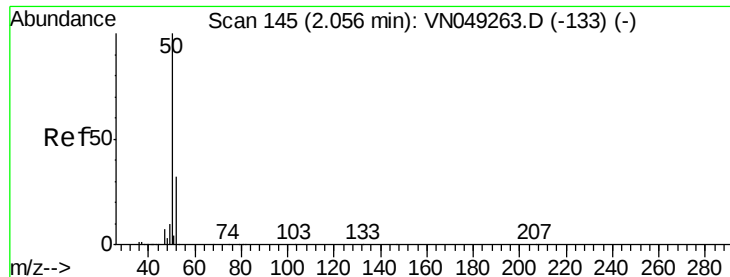
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

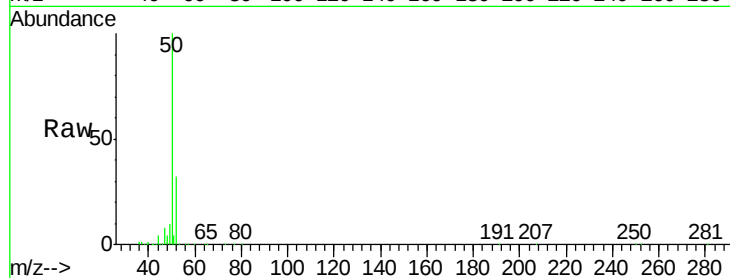
ClientSampled :

Tot Ion: 50 Resp: 382348

Ion Ratio Lower Upper

50 100

52 32.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049286.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049286.D (-133) (-)

2.06

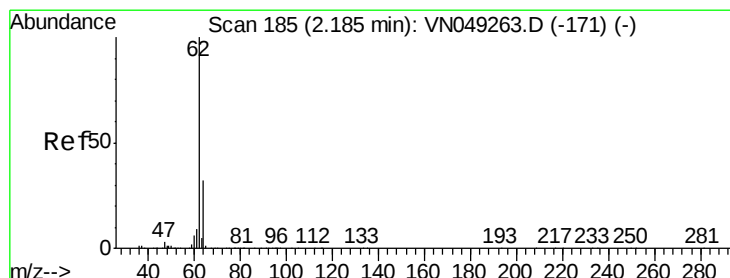
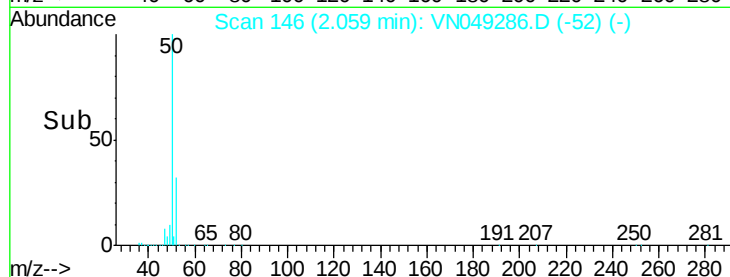
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 19.10 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049286.D

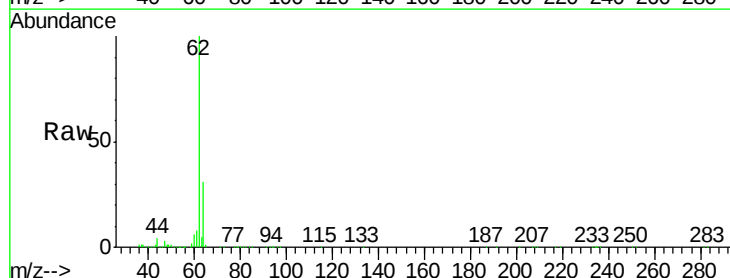
Acq: 16 Jun 2018 3:52

Tgt Ion: 62 Resp: 422435

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049286.D (-171) (-)

Ion 63.90 (63.60 to 64.60): VN049286.D (-171) (-)

2.18

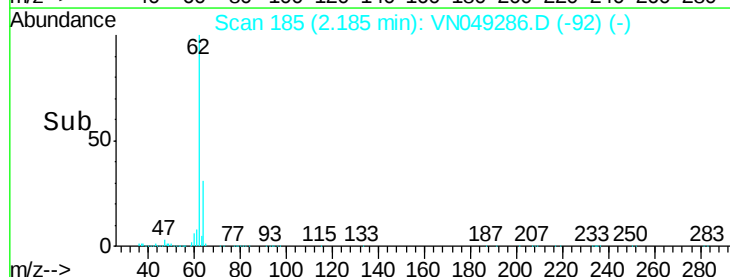
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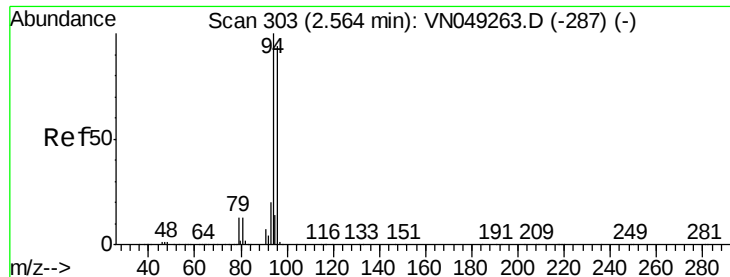
200000

100000

0

Time-->





#5

Bromomethane

Concen: 19.02 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

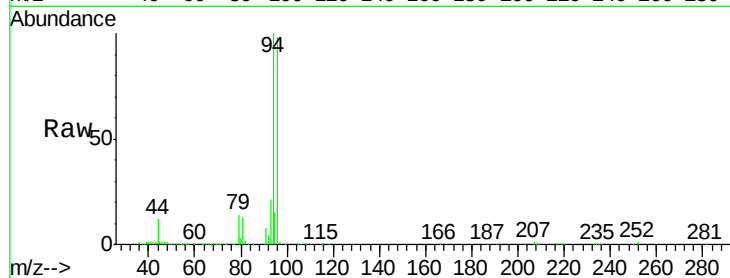
ClientSampled :

Tot Ion: 94 Resp: 221142

Ion Ratio Lower Upper

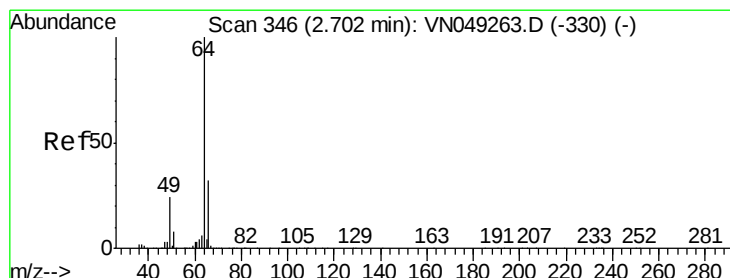
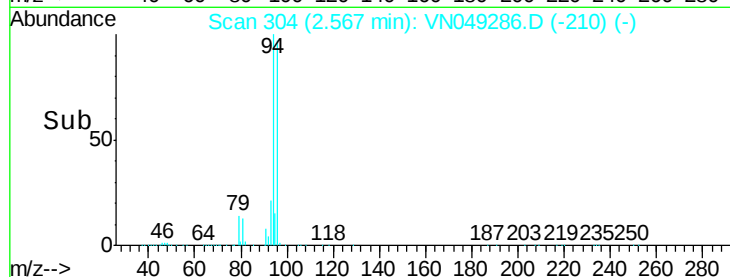
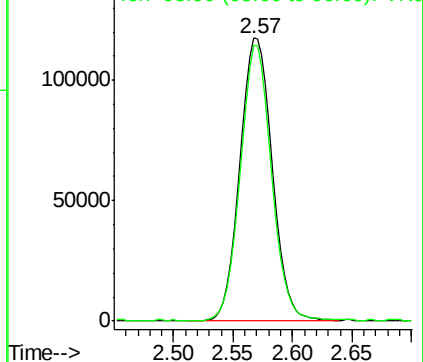
94 100

96 97.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.84 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049286.D

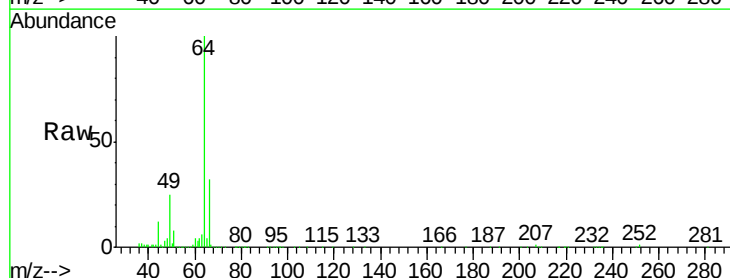
Acq: 16 Jun 2018 3:52

Tgt Ion: 64 Resp: 261691

Ion Ratio Lower Upper

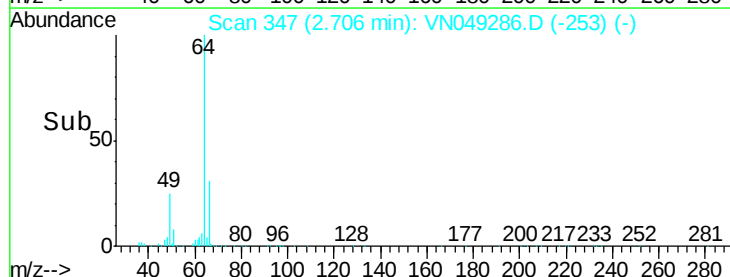
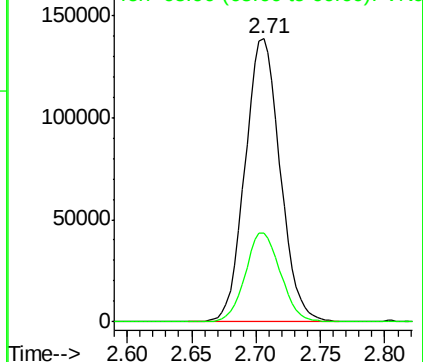
64 100

66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



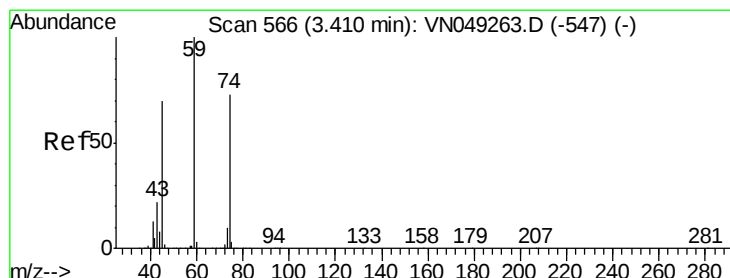
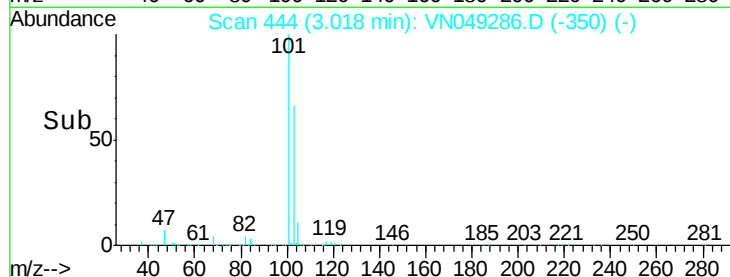
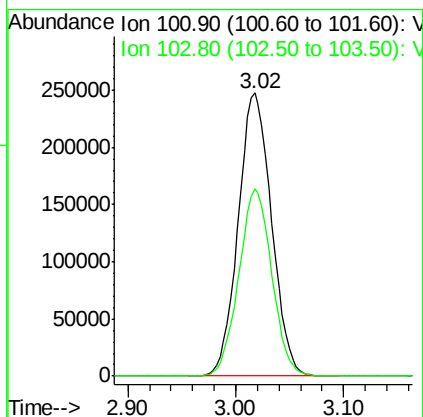
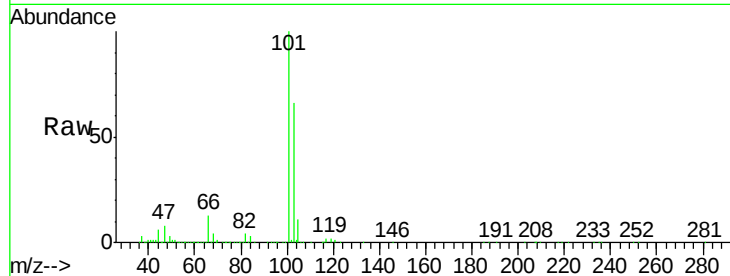


#7

Trichlorofluoromethane
 Concen: 19.32 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampled :

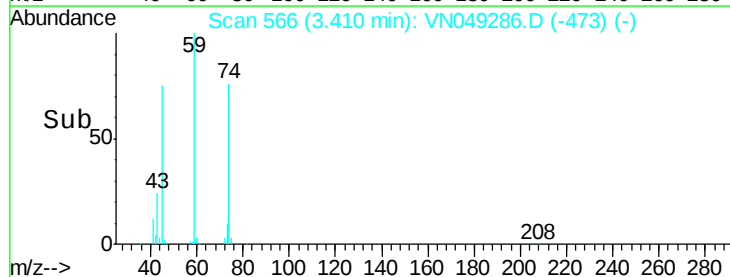
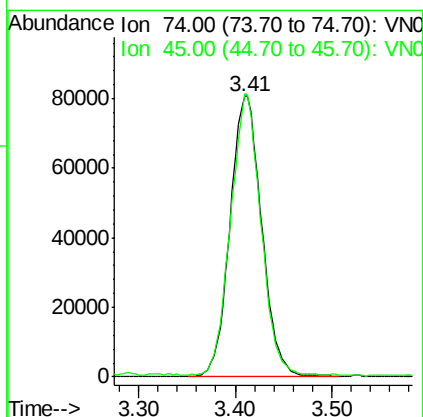
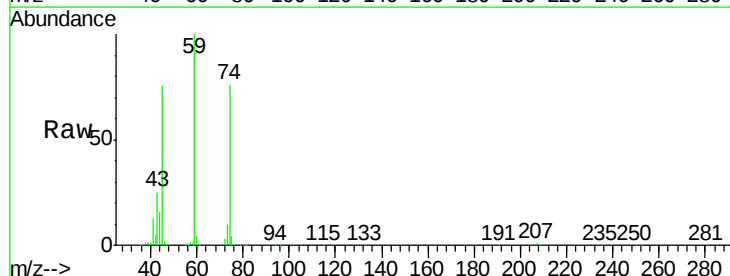
Tot Ion:101 Resp: 533089
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.7 77.5



#8

Diethyl Ether
 Concen: 19.04 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 74 Resp: 183442
 Ion Ratio Lower Upper
 74 100
 45 95.3 51.9 155.8

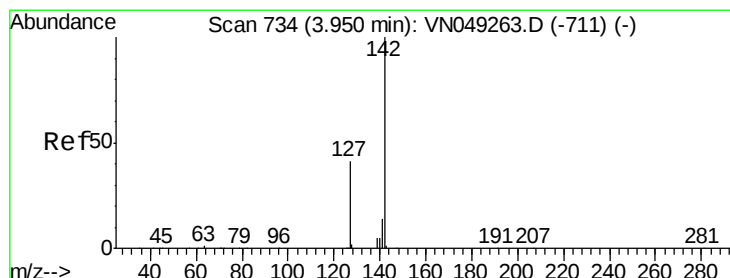
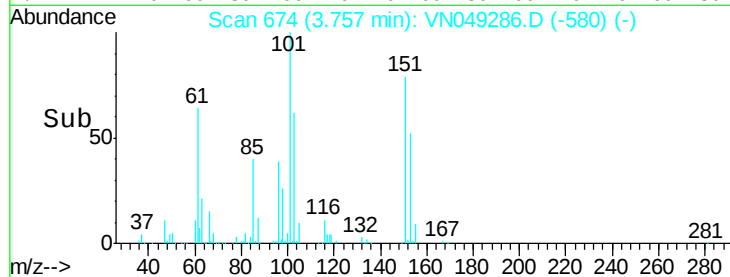
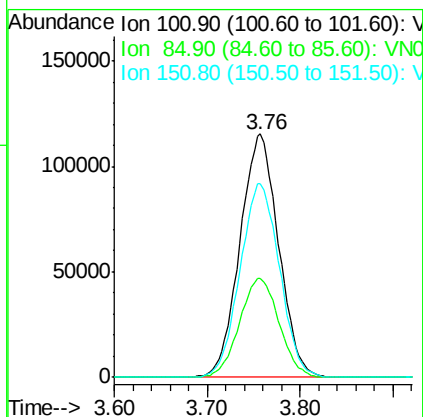
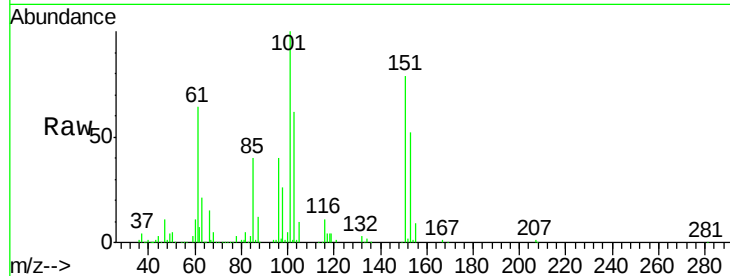




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.03 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

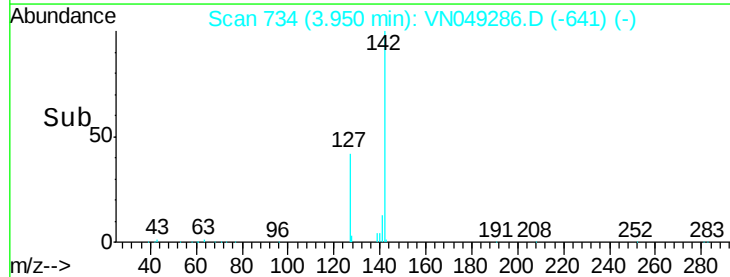
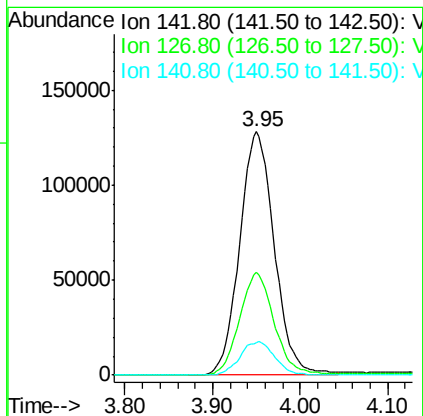
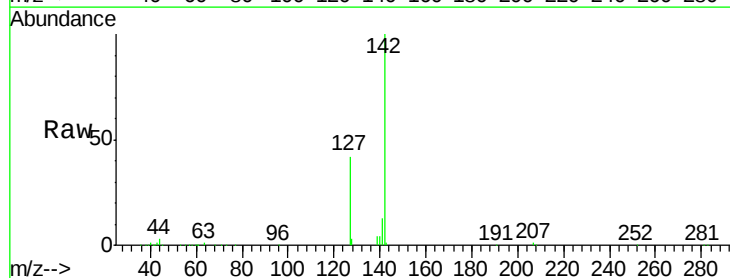
Instrument :
 MSVOA_N
 ClientSampled :

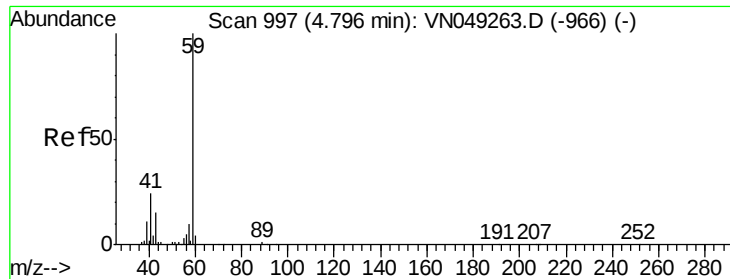
Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	37.6	56.4
151	81.5	61.1	91.7



#10
 Methyl Iodide
 Concen: 19.31 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	38.2	57.4
141	13.8	11.9	17.9



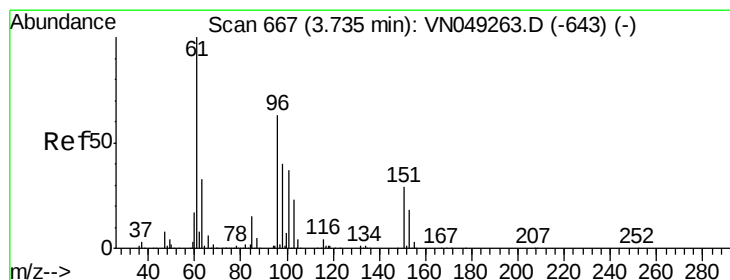
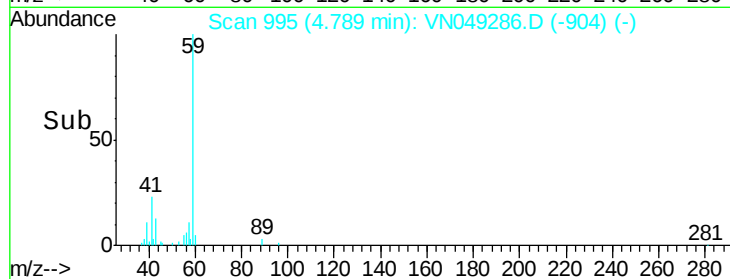
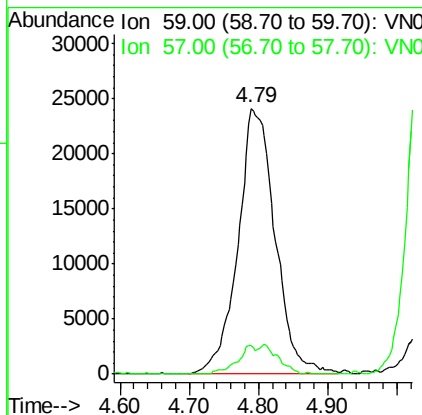
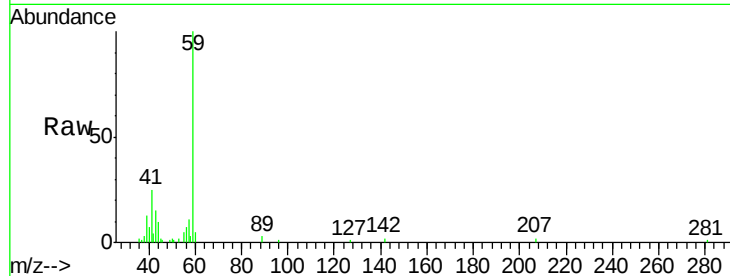


#11

Tert butyl alcohol
 Concen: 82.50 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampled :

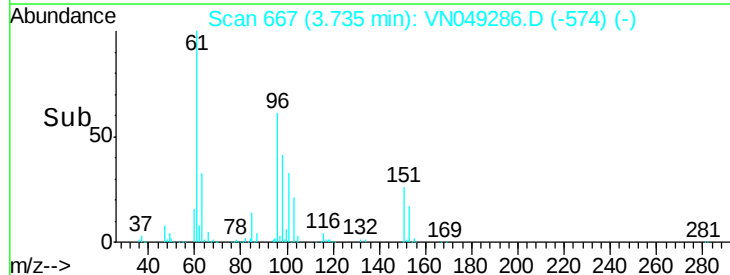
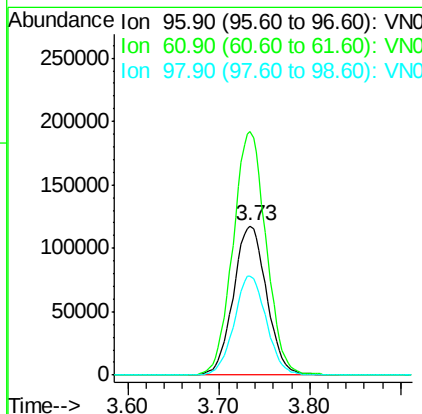
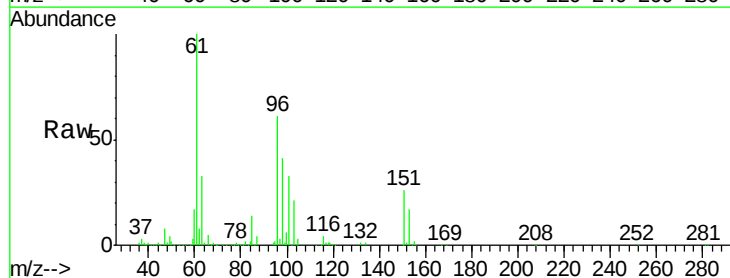
Tot Ion: 59 Resp: 89942
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

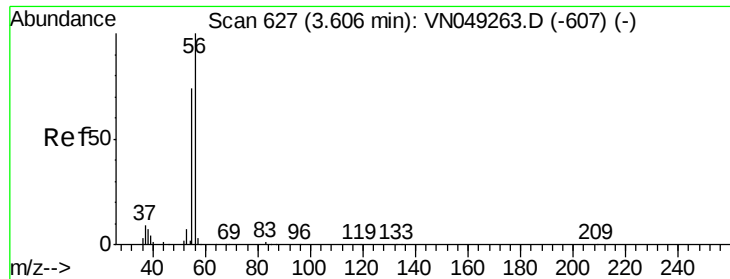


#12

1,1-Dichloroethene
 Concen: 18.53 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 96 Resp: 297503
 Ion Ratio Lower Upper
 96 100
 61 163.4 141.0 211.4
 98 66.6 50.4 75.6





#13

Acrolein

Concen: 94.26 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

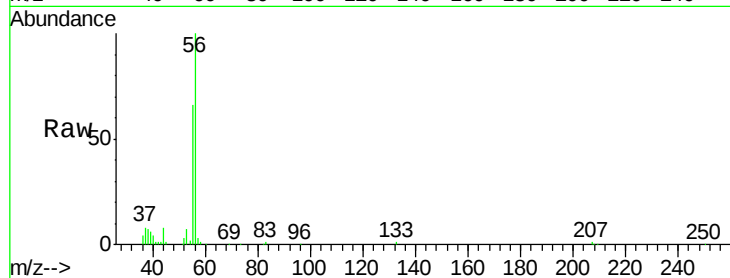
ClientSampleId :

Tot Ion: 56 Resp: 107772

Ion Ratio Lower Upper

56 100

55 70.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

20000

10000

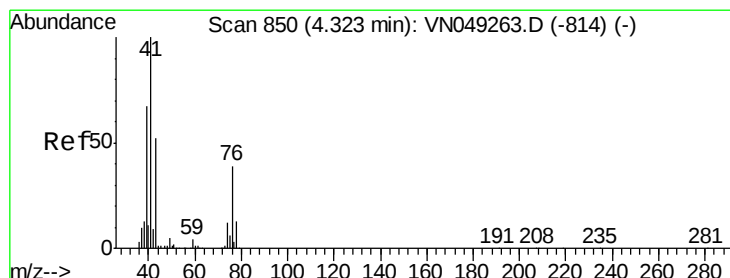
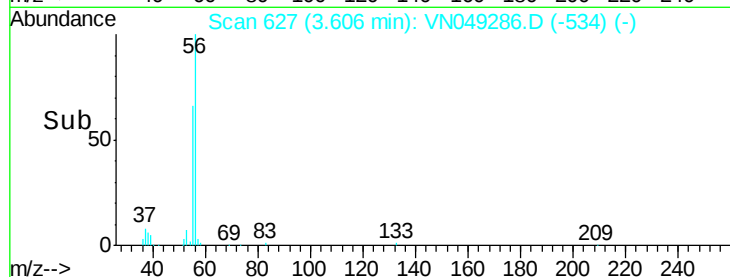
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.44 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

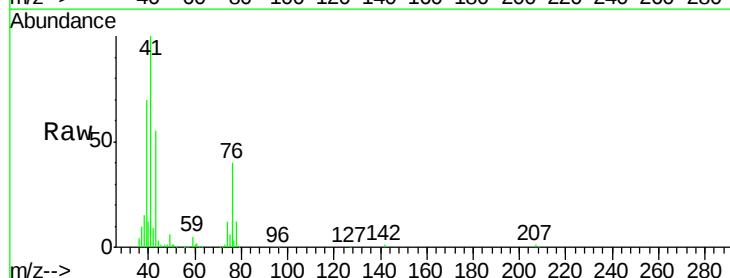
Tgt Ion: 41 Resp: 467653

Ion Ratio Lower Upper

41 100

39 67.2 62.5 93.7

76 36.9 27.1 40.7



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

200000

150000

100000

50000

0

Time-->

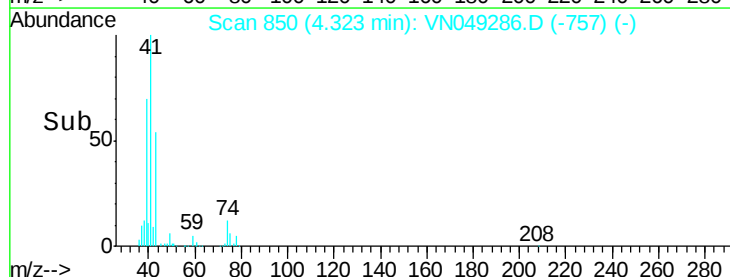
4.10

4.20

4.30

4.40

4.50

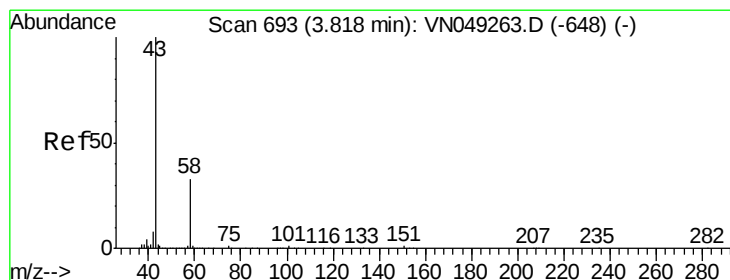
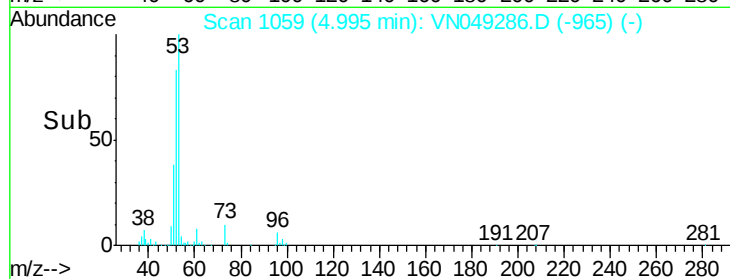
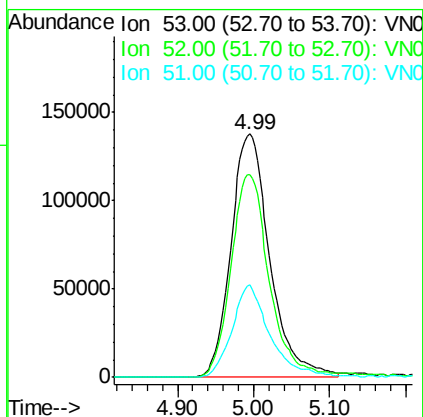
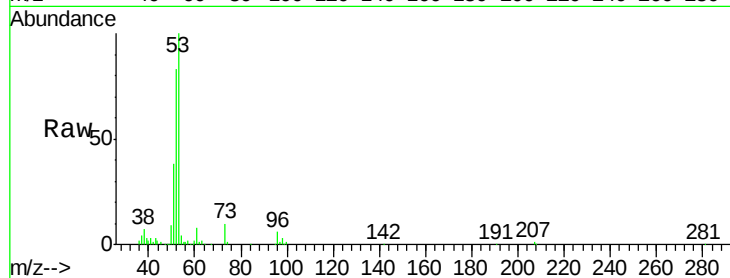




#15
 Acrylonitrile
 Concen: 89.77 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

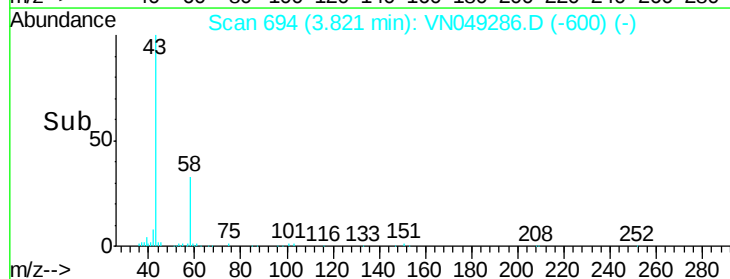
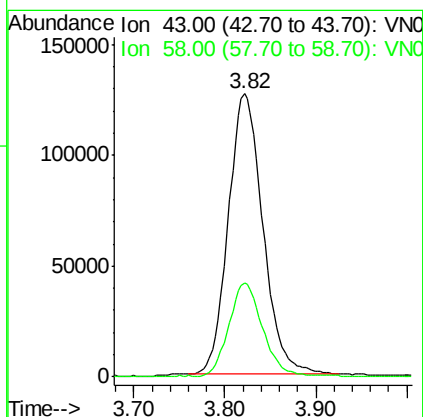
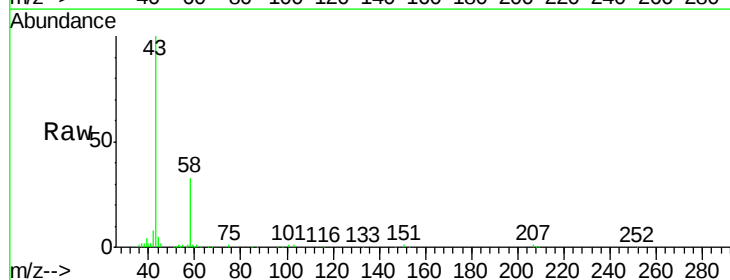
Instrument :
 MSVOA_N
 ClientSampleId :

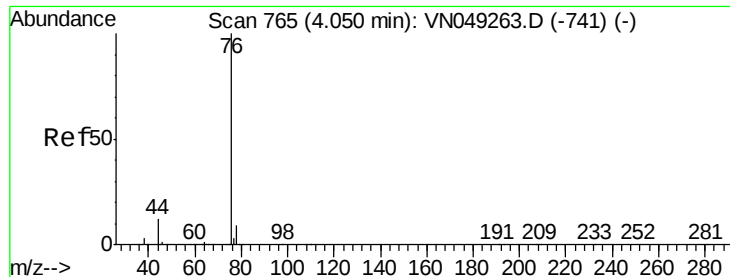
Tot Ion	53	Resp	489397
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	100.0
51	37.0	29.8	44.8



#16
 Acetone
 Concen: 74.26 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	43	Resp	334900
Ion Ratio	Lower	Upper	
43	100		
58	33.1	22.4	33.6

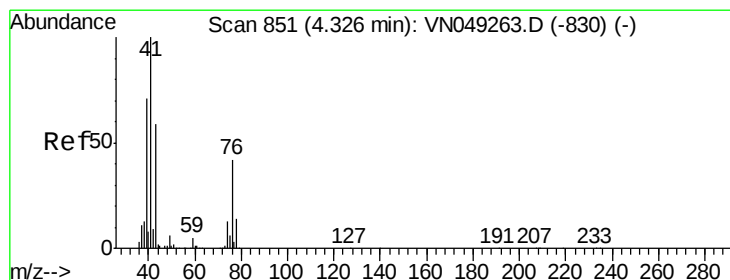
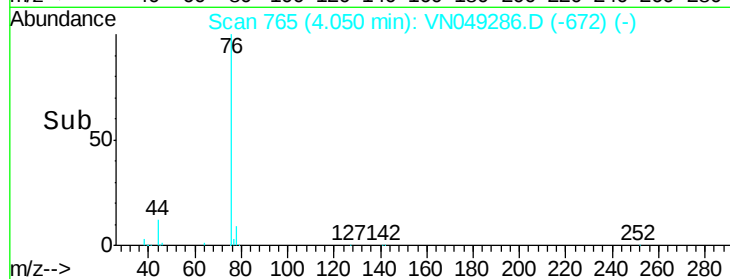
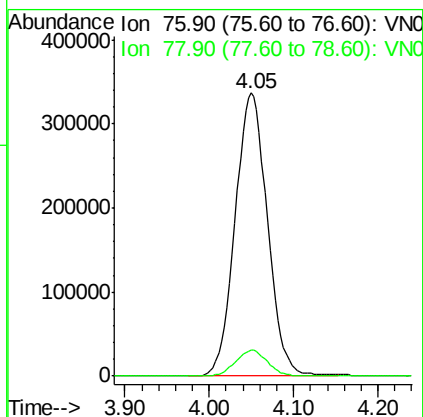
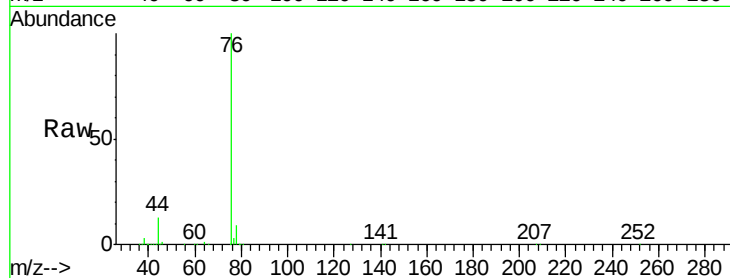




#17
Carbon Disulfide
Concen: 17.87 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

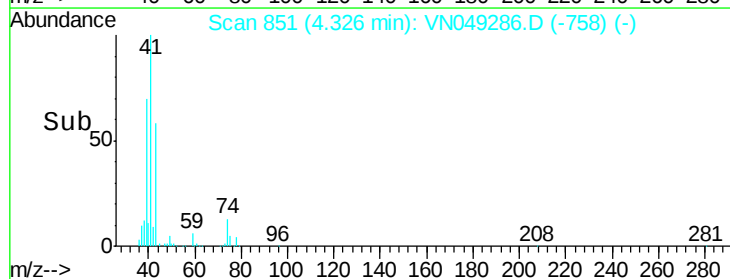
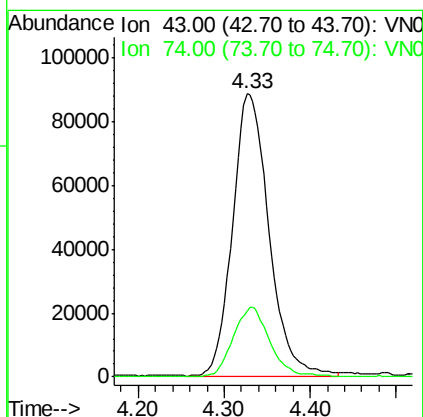
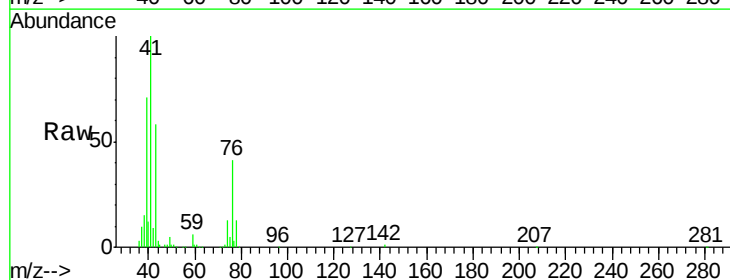
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 899575
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 18.89 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 43 Resp: 259766
Ion Ratio Lower Upper
43 100
74 25.2 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 18.58 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

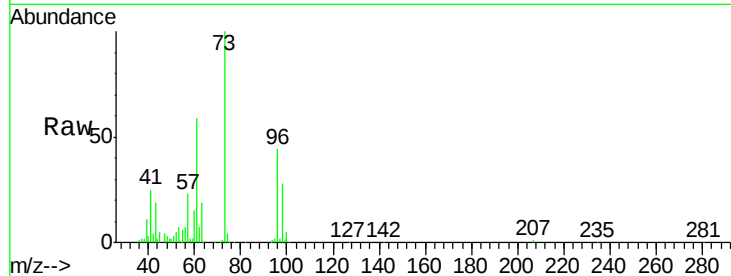
ClientSampled :

Tot Ion: 73 Resp: 760819

Ion Ratio Lower Upper

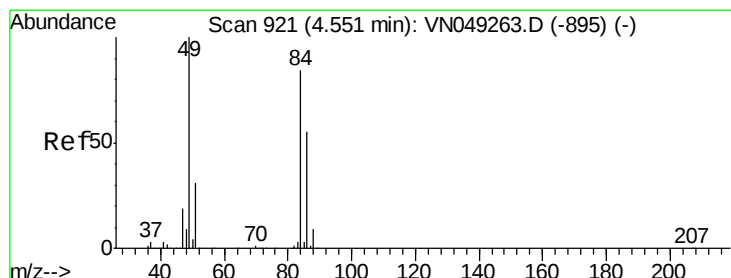
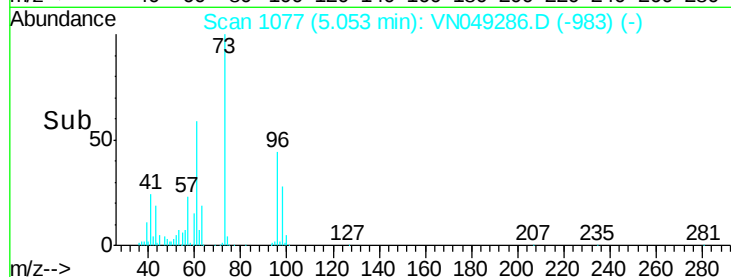
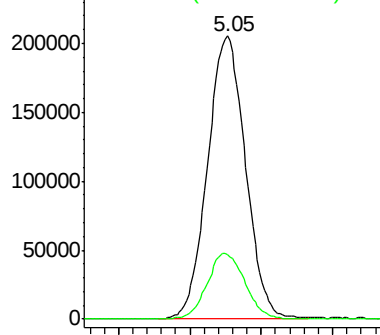
73 100

57 22.7 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VNC

Ion 57.00 (56.70 to 57.70): VNC



#20

Methylene Chloride

Concen: 18.88 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion: 84 Resp: 355559

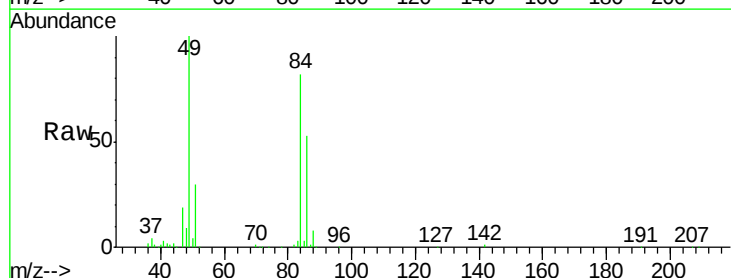
Ion Ratio Lower Upper

84 100

49 122.4 106.9 160.3

51 36.9 32.7 49.1

86 64.4 49.8 74.8

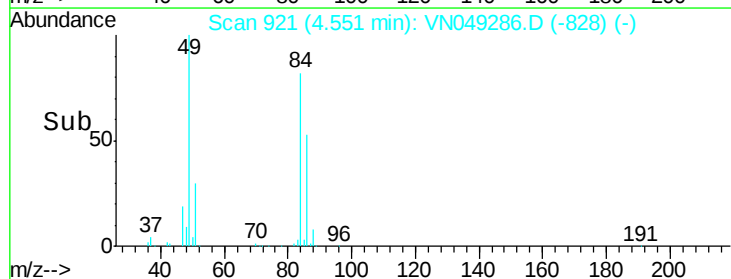
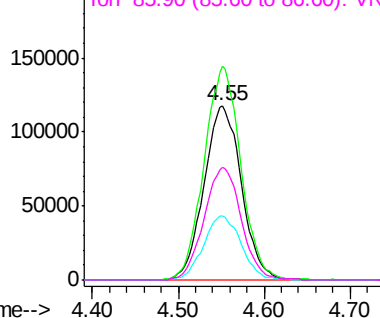


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#21

trans-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

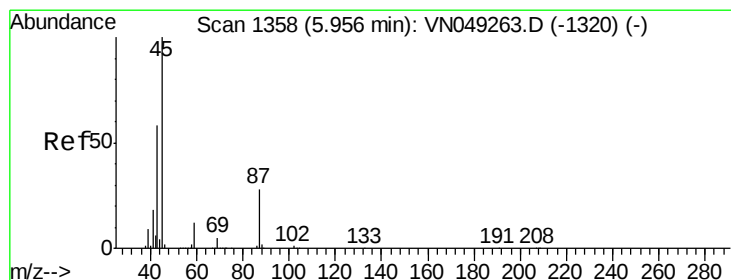
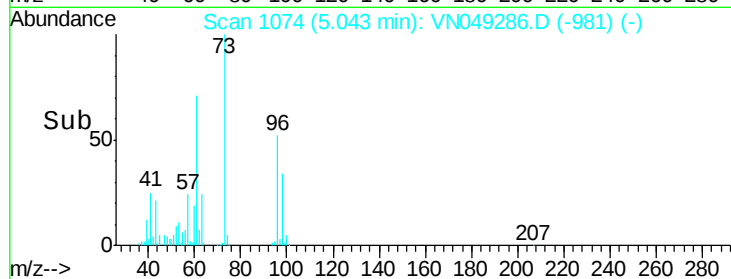
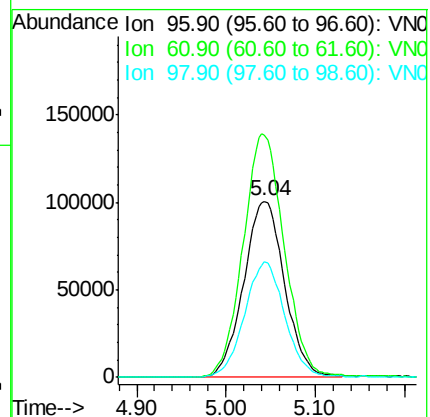
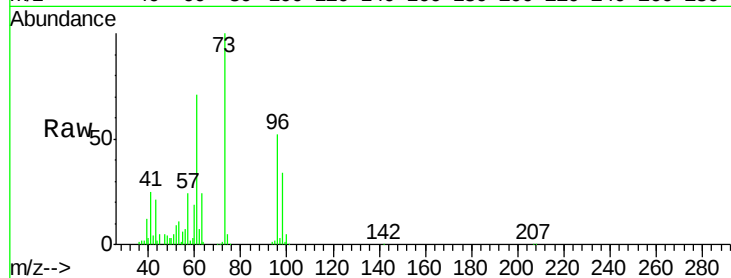
Tot Ion: 96 Resp: 321182

Ion Ratio Lower Upper

96 100

61 137.6 121.3 181.9

98 65.8 52.0 78.0



#22

Diisopropyl ether

Concen: 19.90 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion: 45 Resp: 1007698

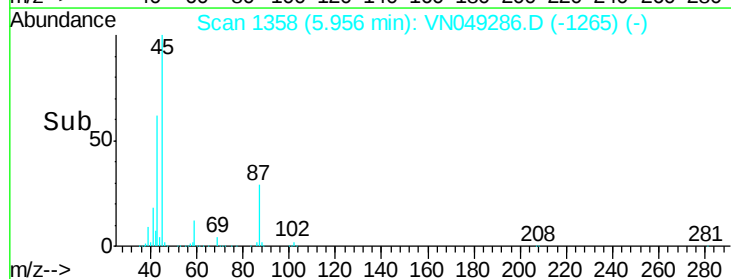
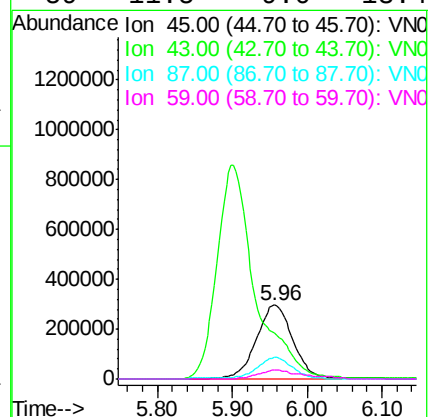
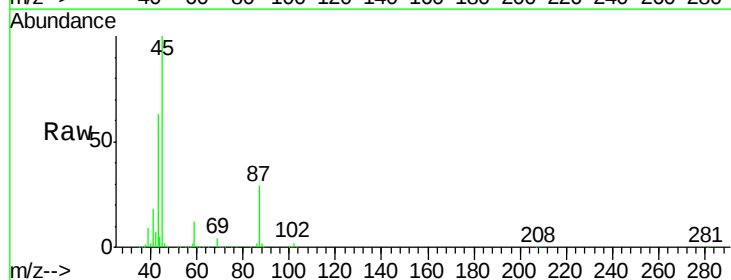
Ion Ratio Lower Upper

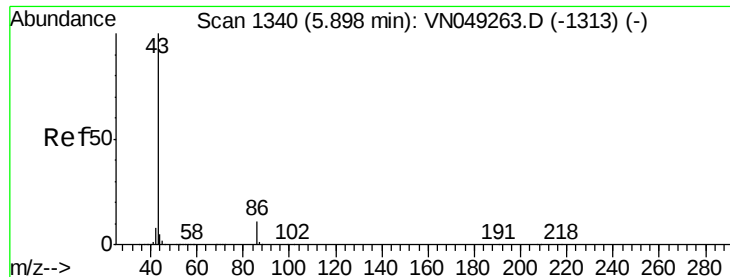
45 100

43 60.1 48.6 72.8

87 28.7 20.2 30.2

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 92.15 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

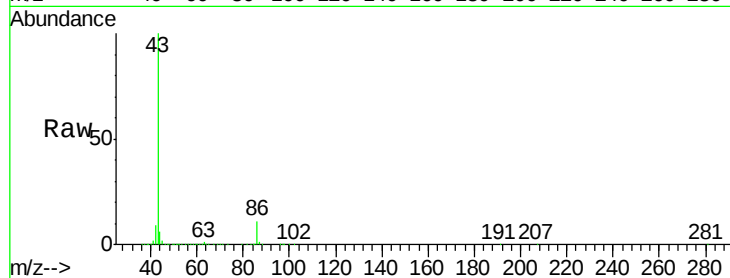
ClientSampleId :

Tot Ion: 43 Resp: 3041598

Ion Ratio Lower Upper

43 100

86 10.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049286.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049286.D (-1247) (-)

5.90

800000

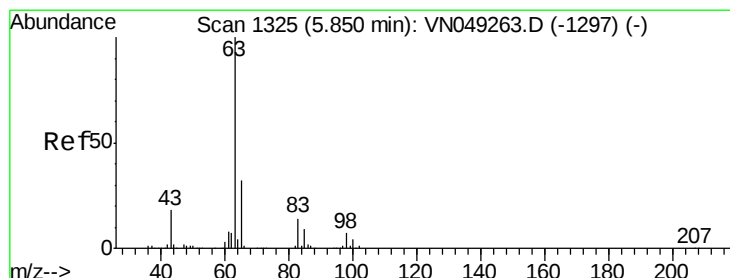
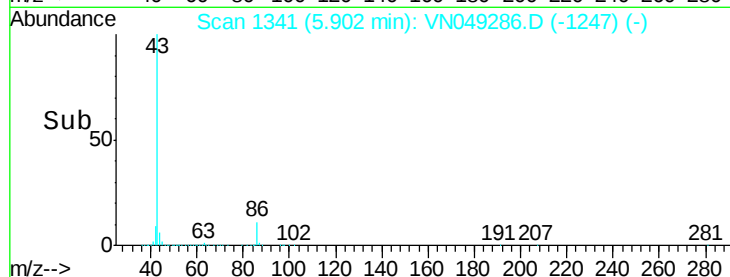
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.38 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

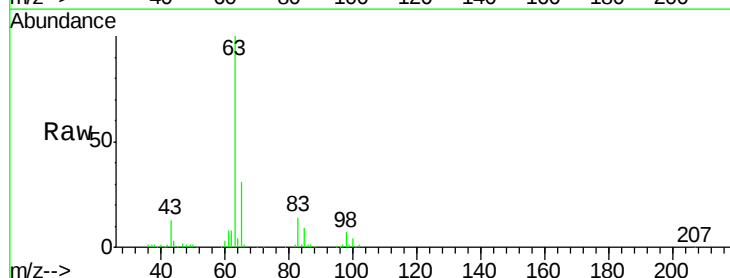
Tgt Ion: 63 Resp: 628042

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049286.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN049286.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN049286.D (-1232) (-)

250000

200000

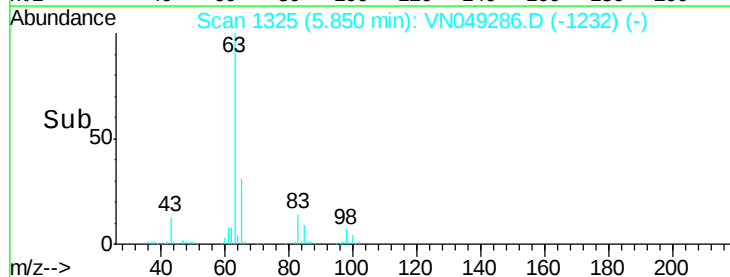
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 82.56 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

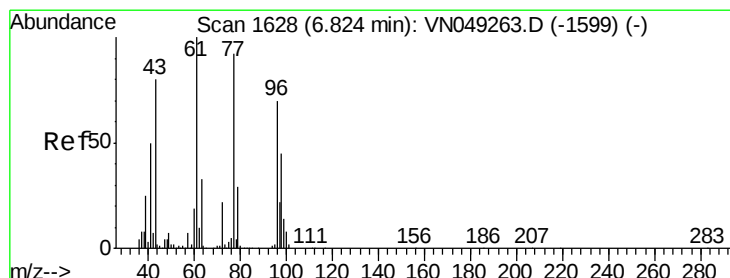
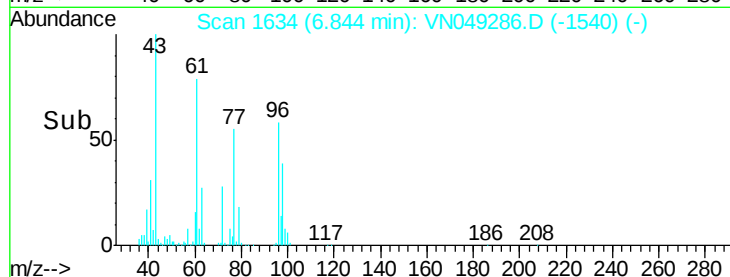
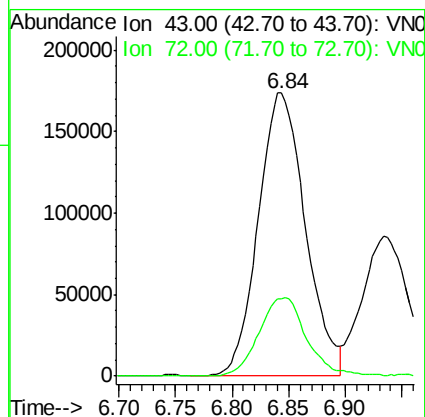
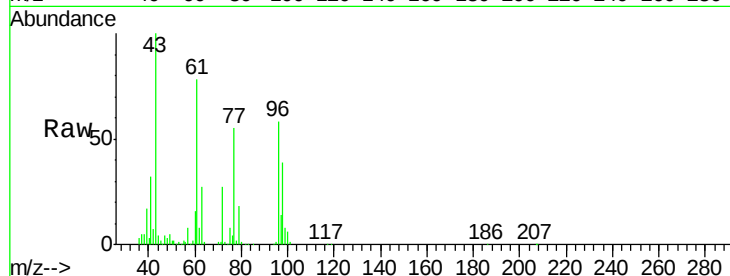
ClientSampleId :

Tot Ion: 43 Resp: 500009

Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 15.59 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049286.D

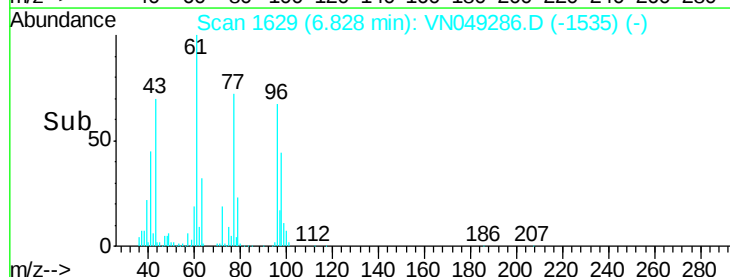
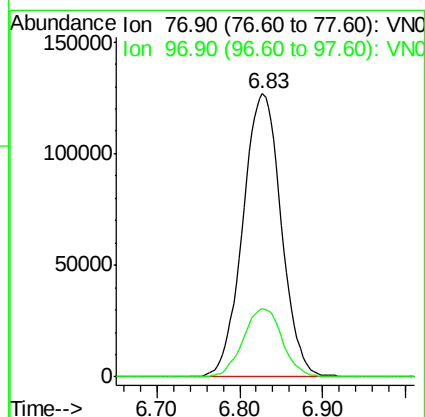
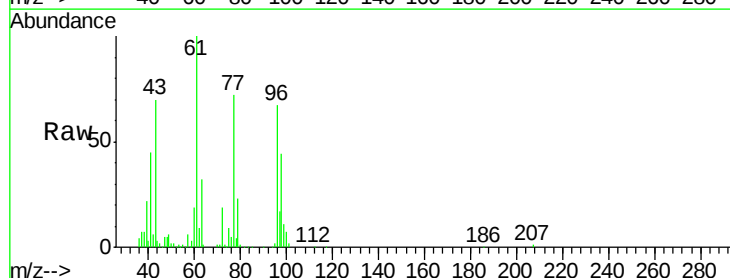
Acq: 16 Jun 2018 3:52

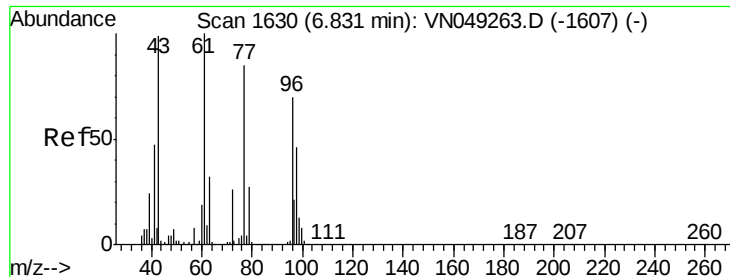
Tgt Ion: 77 Resp: 408034

Ion Ratio Lower Upper

77 100

97 24.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.17 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

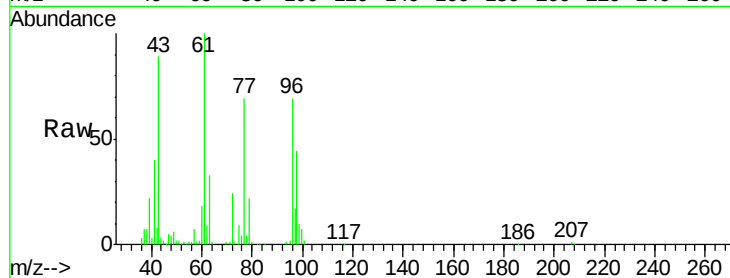
Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 362369

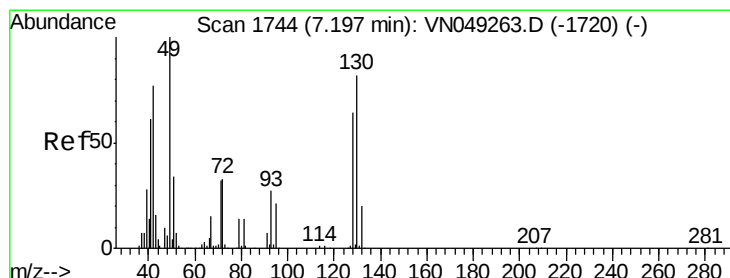
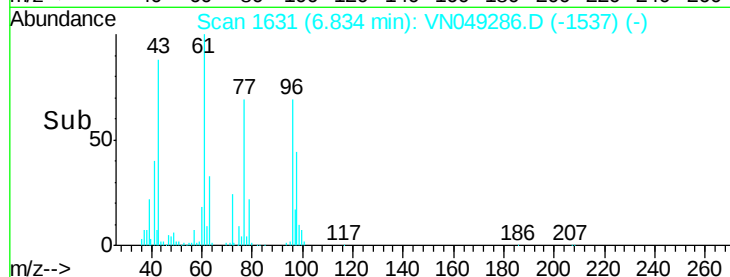
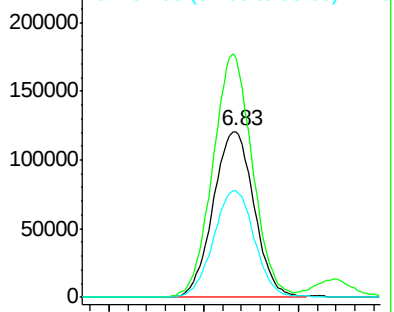
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	316.4
98	64.5	0.0	128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049286.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049286.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049286.D (-1607) (-)



#28

Bromochloromethane

Concen: 20.29 ug/l

RT: 7.20 min Scan# 1744

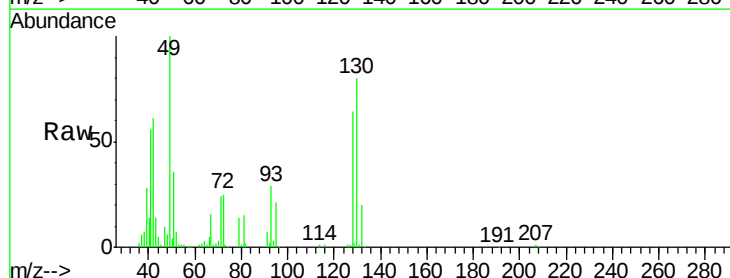
Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion: 49 Resp: 291587

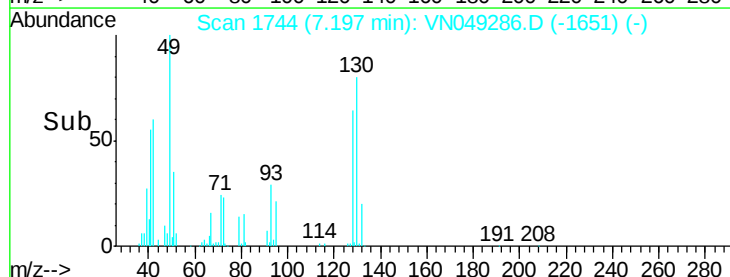
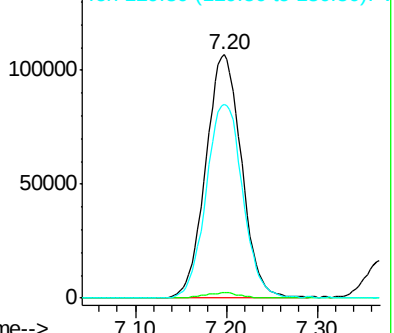
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	81.6	54.9	82.3

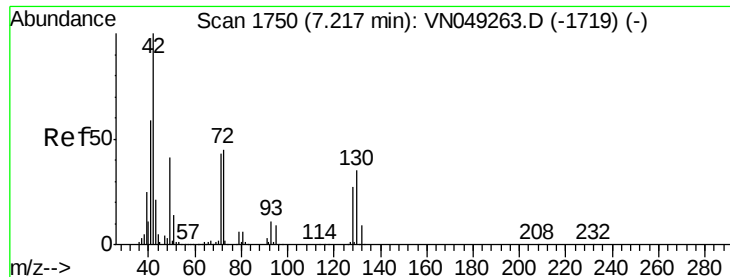


Abundance Ion 48.90 (48.60 to 49.60): VN049286.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049286.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049286.D (-1651) (-)





#29

Tetrahydrofuran

Concen: 86.65 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :

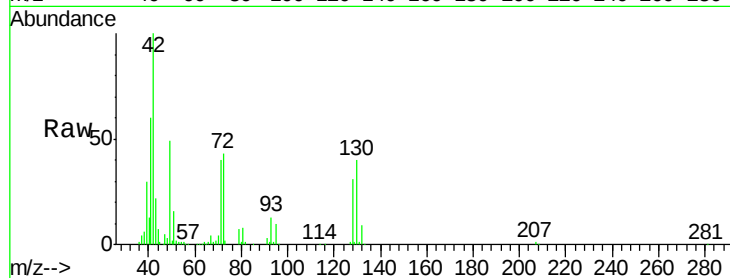
Tot Ion: 42 Resp: 337778

Ion Ratio Lower Upper

42 100

72 43.4 32.2 48.4

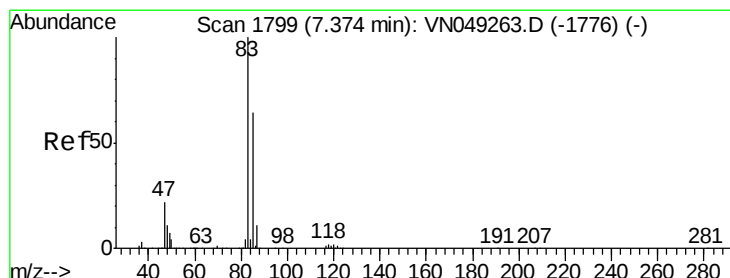
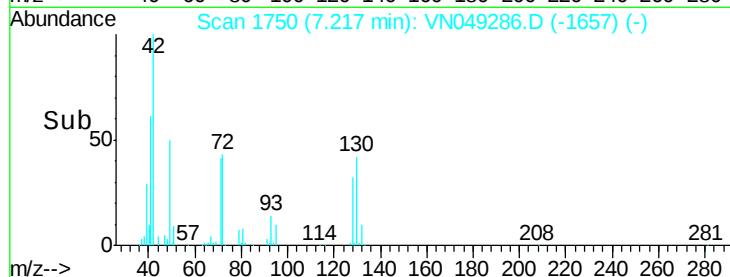
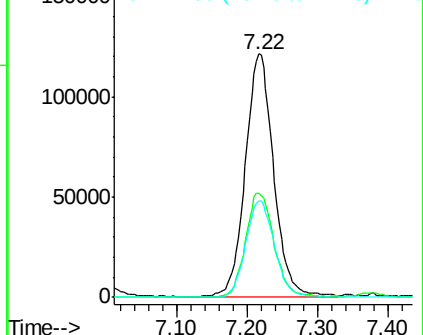
71 40.3 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049286.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049286.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049286.D (-1657) (-)



#30

Chloroform

Concen: 19.59 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049286.D

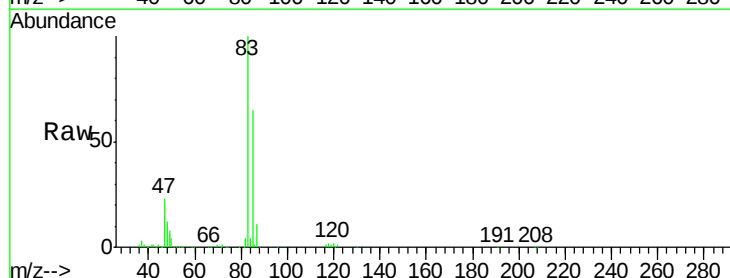
Acq: 16 Jun 2018 3:52

Tgt Ion: 83 Resp: 631856

Ion Ratio Lower Upper

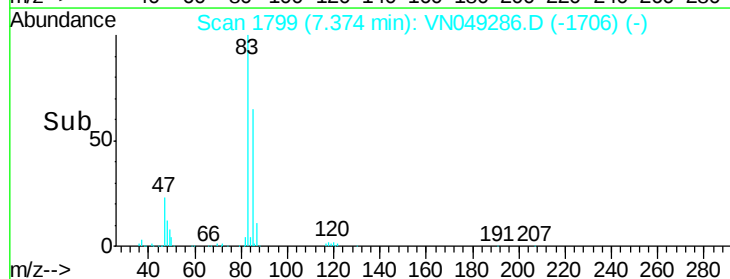
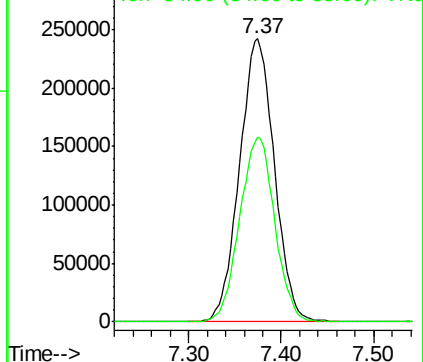
83 100

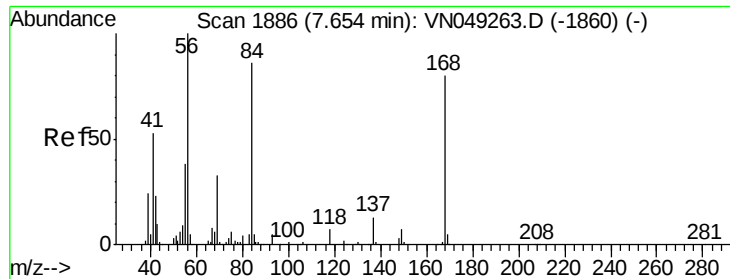
85 65.5 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049286.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049286.D (-1706) (-)





#31

Cyclohexane

Concen: 19.31 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :

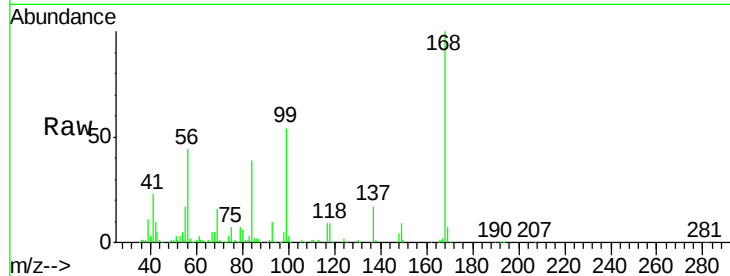
Tot Ion: 56 Resp: 533515

Ion Ratio Lower Upper

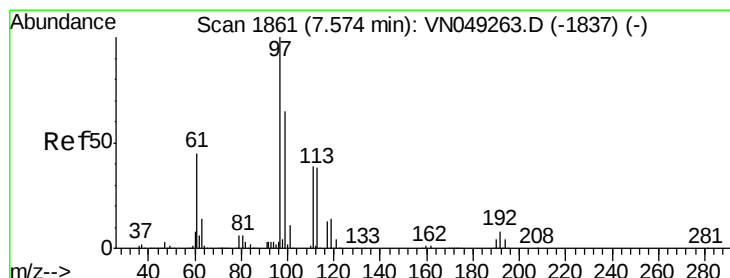
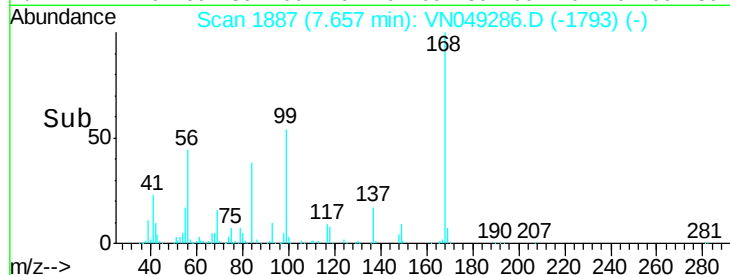
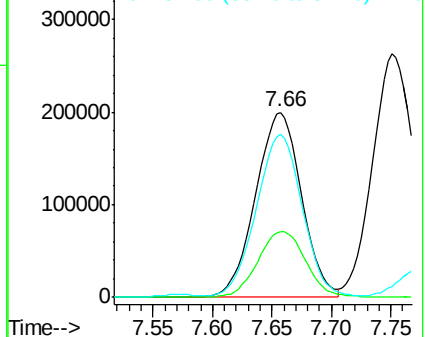
56 100

69 35.4 25.0 37.4

84 86.4 64.6 96.8



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



#32

1,1,1-Trichloroethane

Concen: 19.73 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

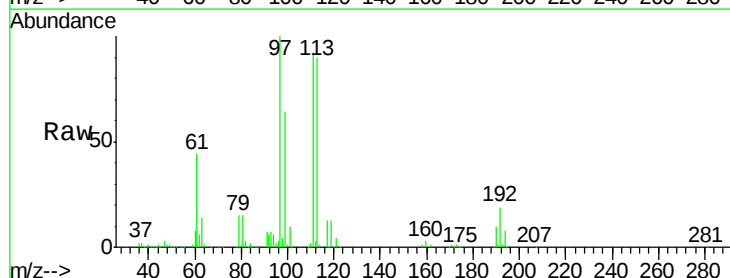
Tgt Ion: 97 Resp: 543064

Ion Ratio Lower Upper

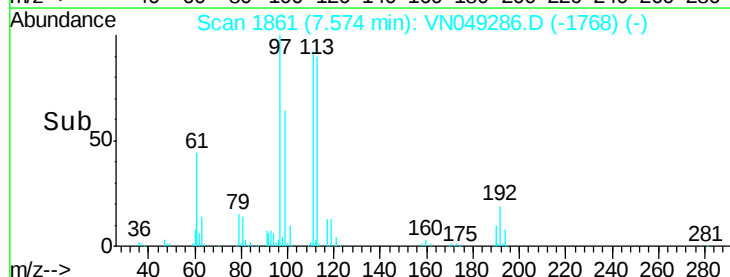
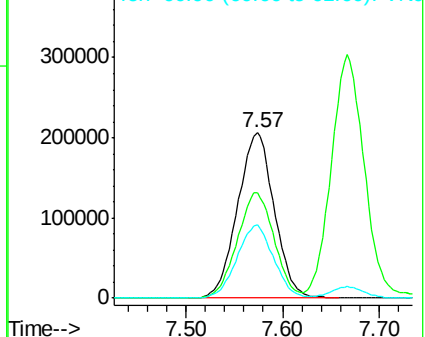
97 100

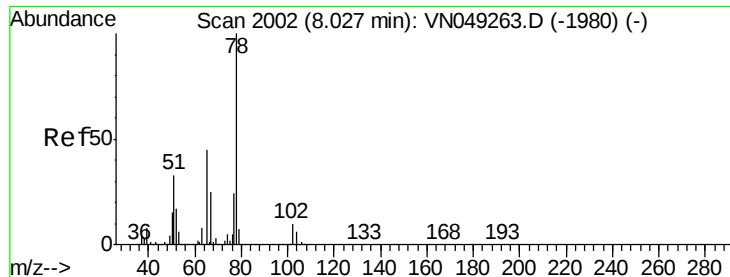
99 64.2 50.5 75.7

61 44.2 37.9 56.9



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

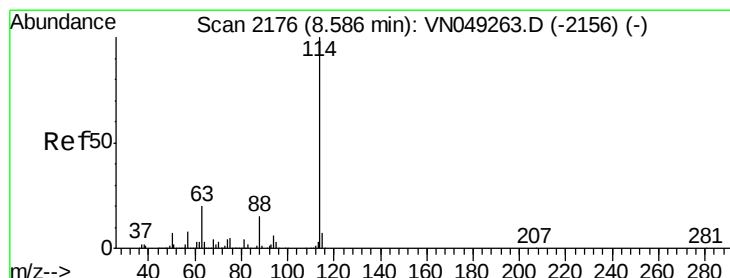
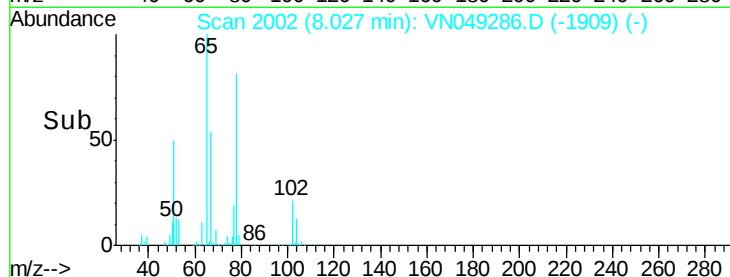
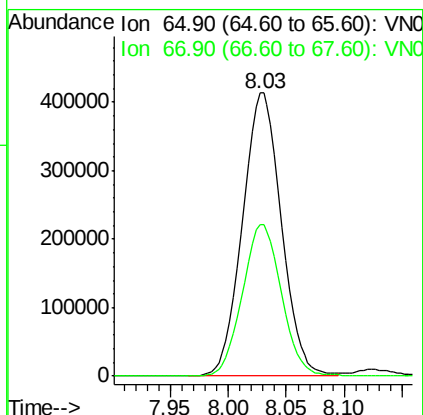
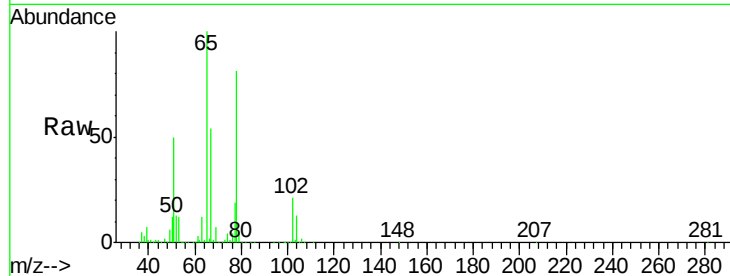




#33
 1,2-Dichloroethane-d4
 Concen: 52.10 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

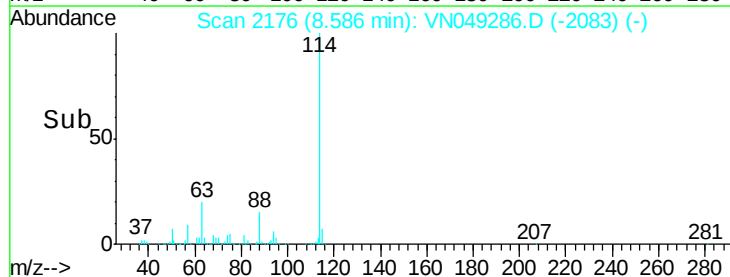
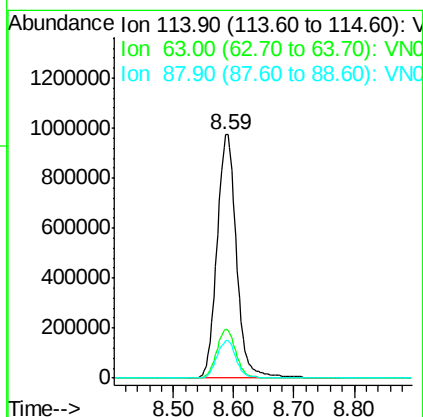
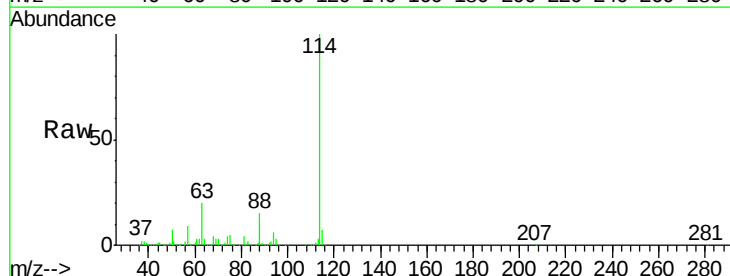
Instrument :
 MSVOA_N
 ClientSampled :

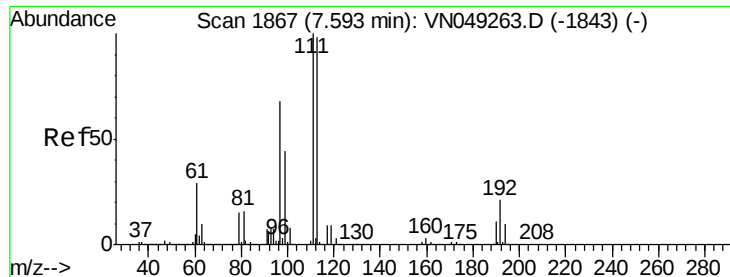
Tot Ion: 65 Resp: 967682
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 114 Resp: 2151456
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.4 0.0 31.4

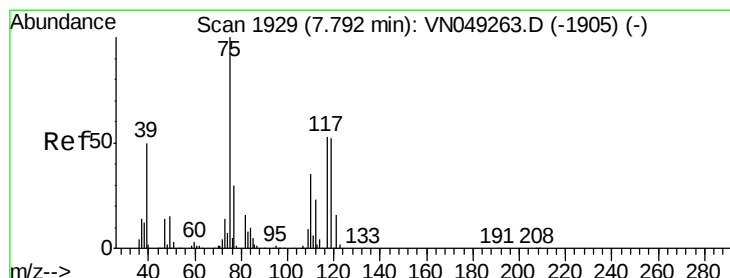
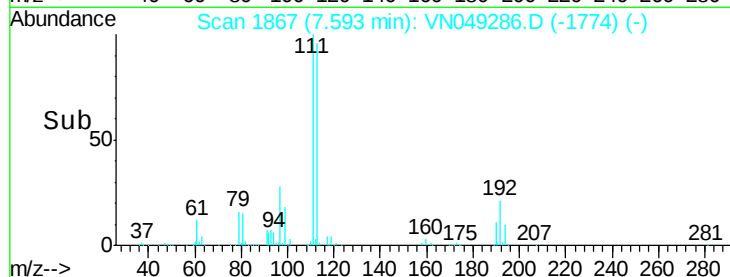
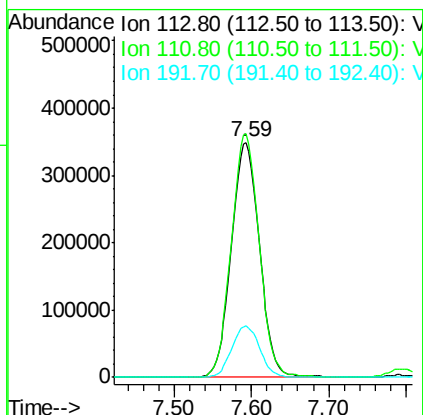
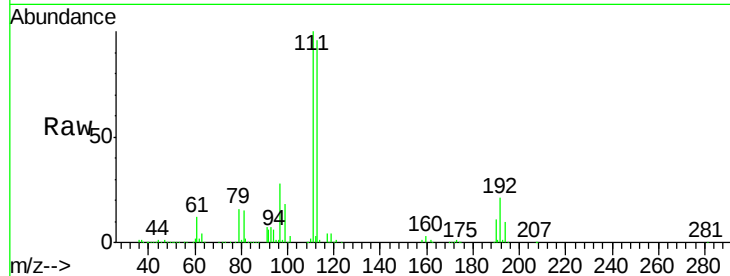




#35
 Dibromofluoromethane
 Concen: 50.45 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

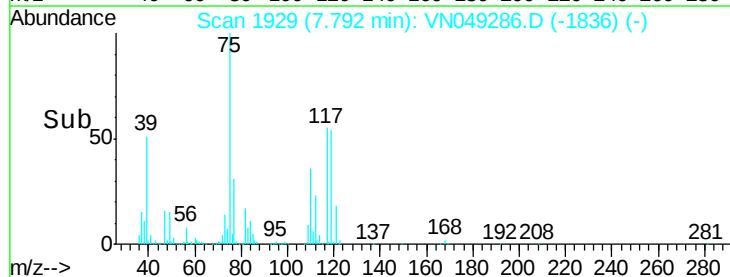
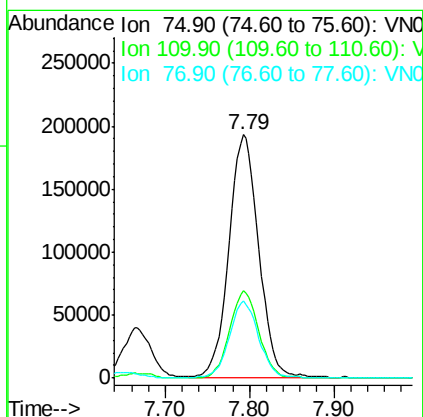
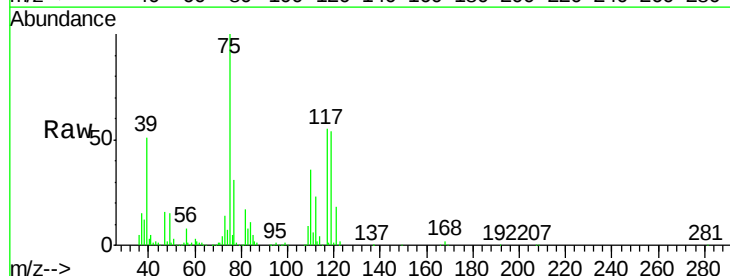
Instrument :
 MSVOA_N
 ClientSampled :

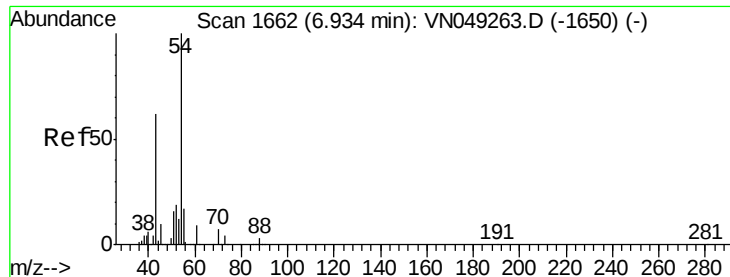
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 19.20 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.0	50.9
77	31.4	24.4	36.6

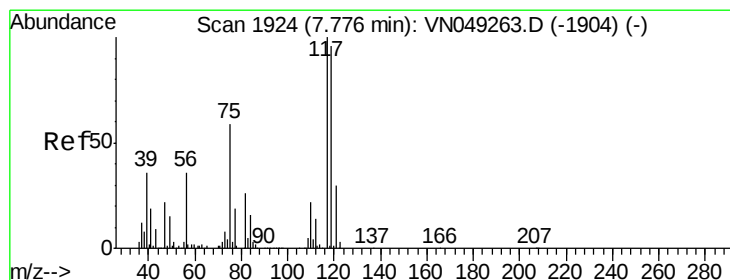
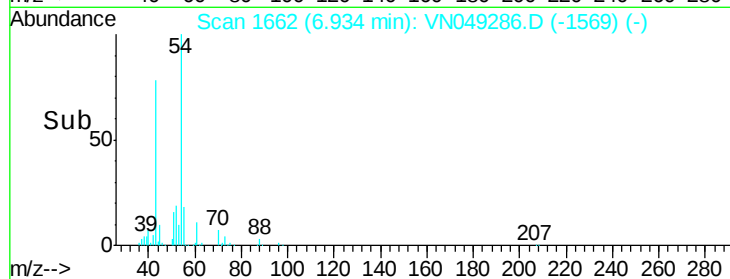
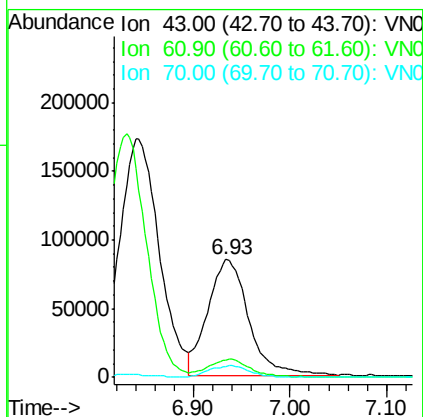
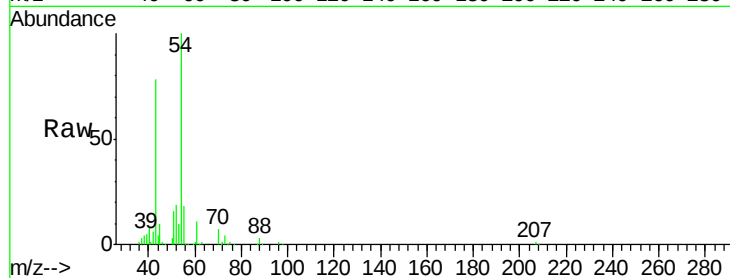




#37
Ethyl Acetate
Concen: 18.62 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

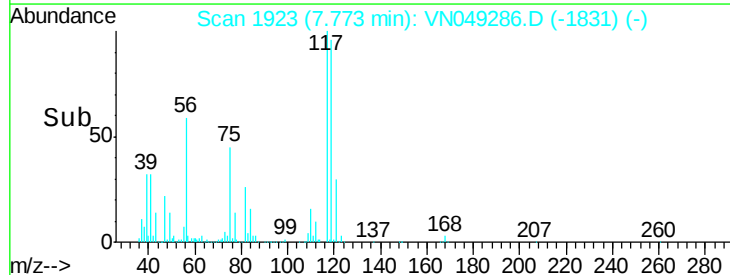
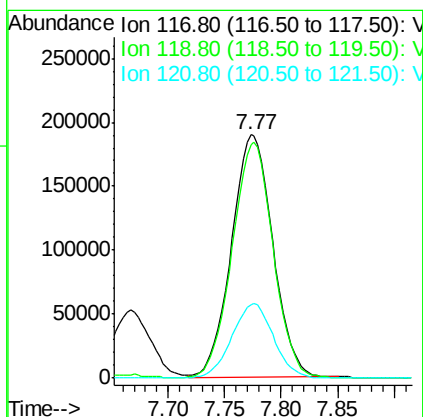
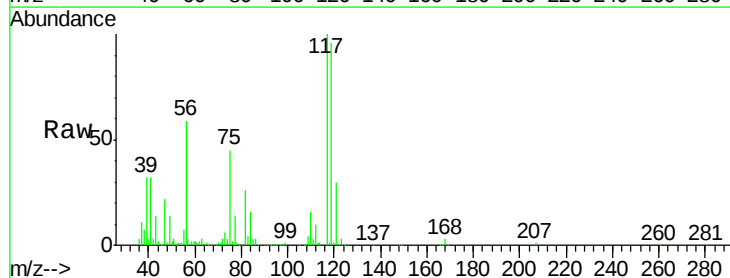
Instrument :
MSVOA_N
ClientSampled :

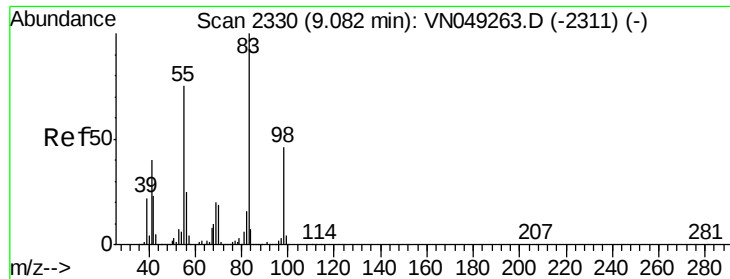
Tot Ion: 43 Resp: 249613
Ion Ratio Lower Upper
43 100
61 14.5 11.0 16.4
70 9.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.83 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 117 Resp: 480702
Ion Ratio Lower Upper
117 100
119 95.7 75.6 113.4
121 30.3 24.7 37.1

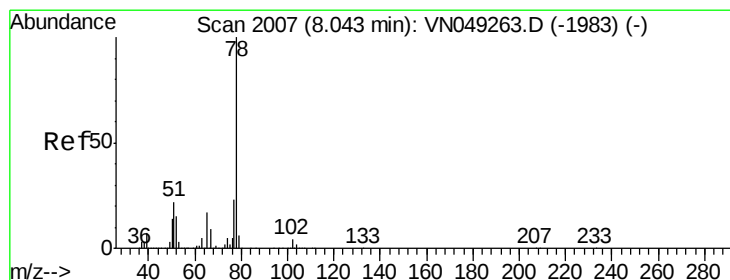
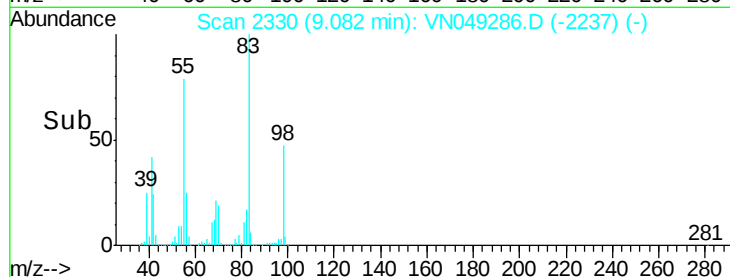
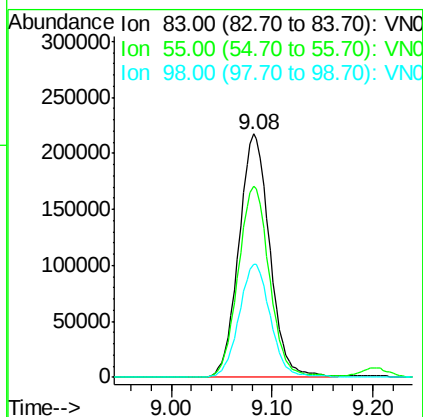
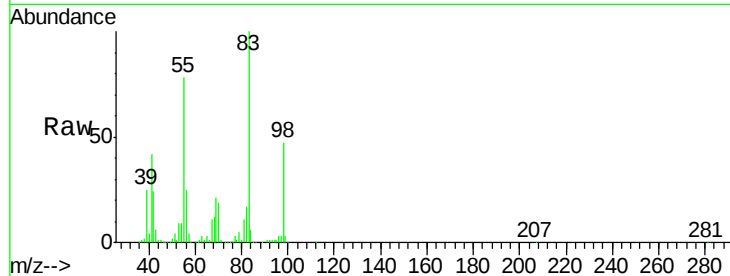




#39
Methvlcvclohexane
Concen: 17.40 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

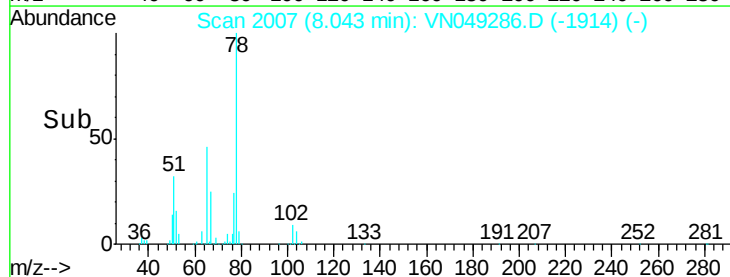
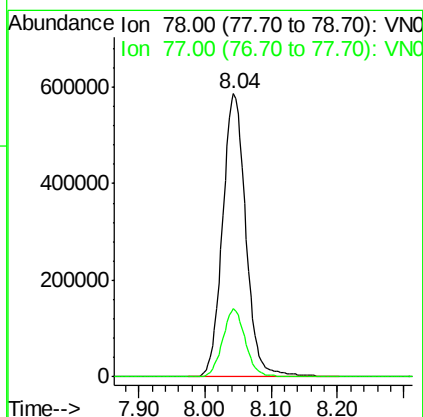
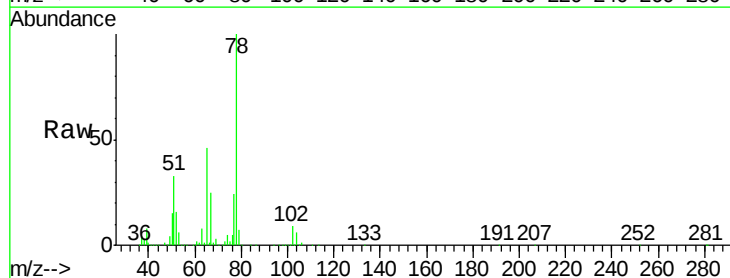
Instrument :
MSVOA_N
ClientSampled :

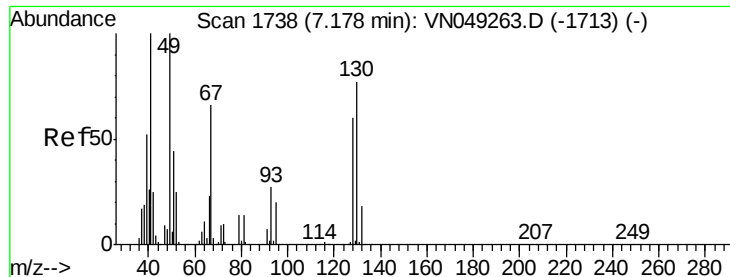
Tot Ion: 83 Resp: 460541
Ion Ratio Lower Upper
83 100
55 78.5 65.1 97.7
98 46.5 36.5 54.7



#40
Benzene
Concen: 18.97 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 78 Resp: 1433993
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

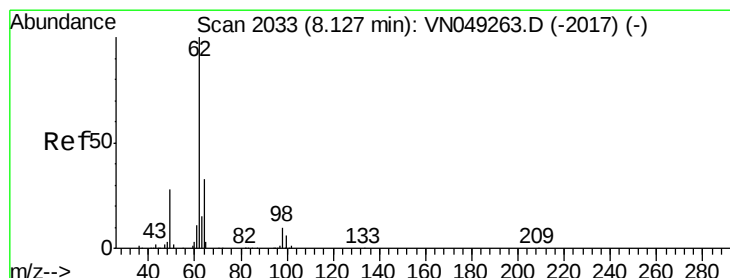
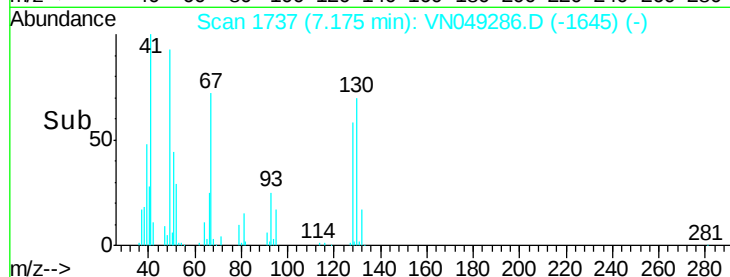
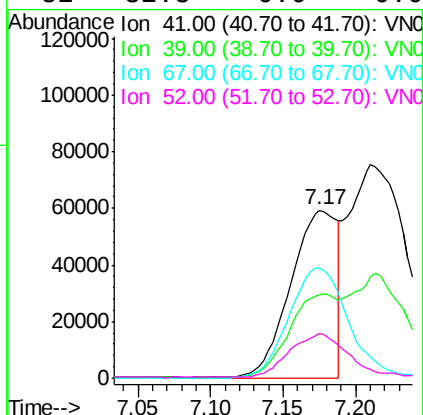
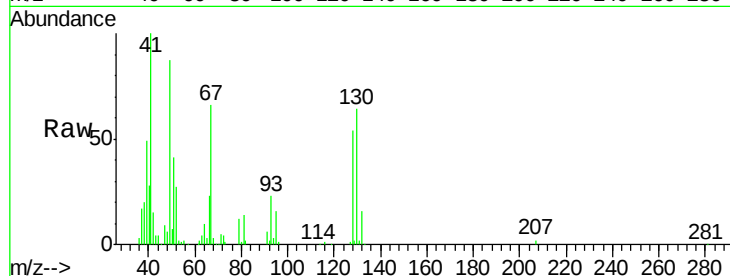




#41
Methacrylonitrile
Concen: 17.99 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

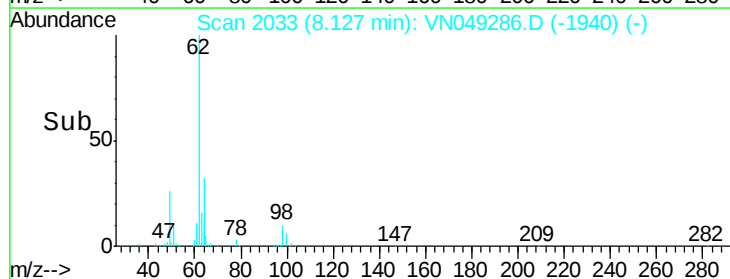
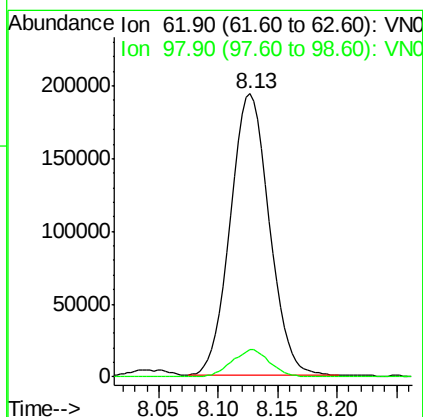
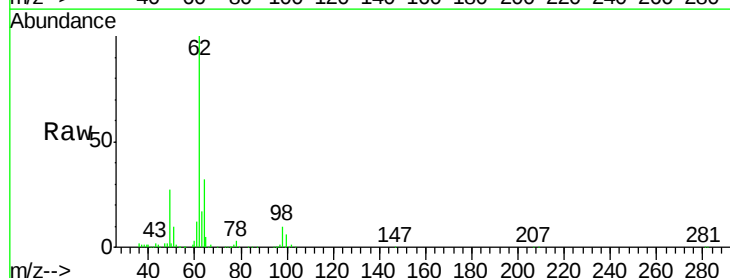
Instrument :
MSVOA_N
ClientSampled :

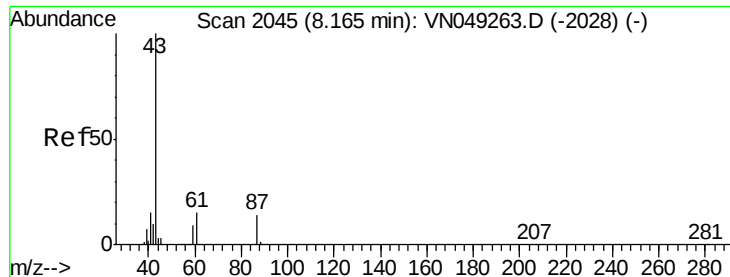
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.6	0.0	0.0#
67	86.7	0.0	0.0#
52	32.8	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.82 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.28 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

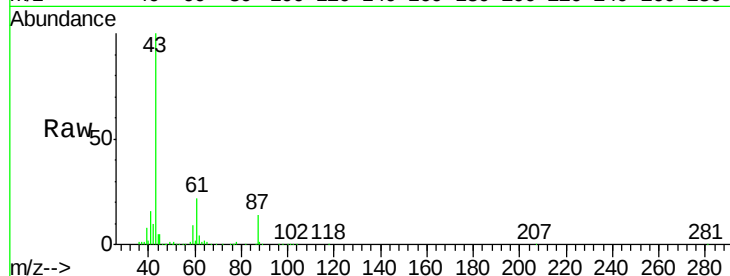
Tot Ion: 43 Resp: 493743

Ion Ratio Lower Upper

43 100

61 18.0 14.2 21.4

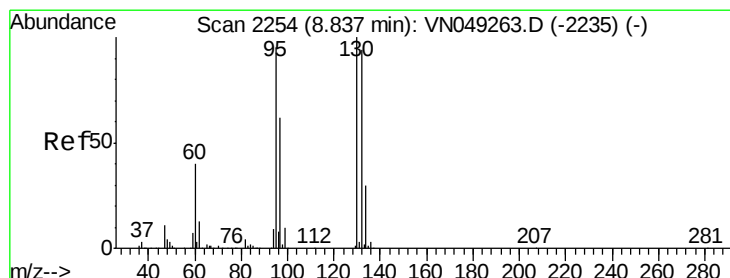
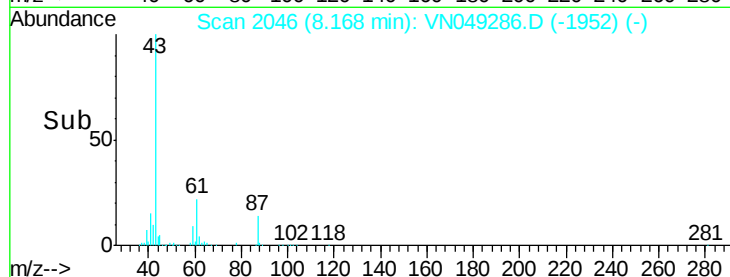
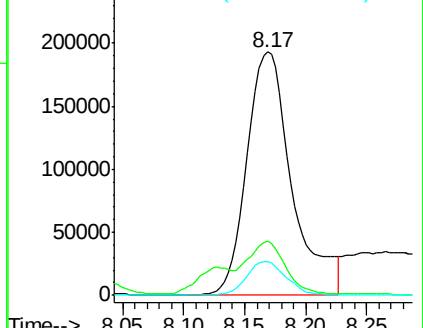
87 12.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049286.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049286.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049286.D (-1952) (-)



#44

Trichloroethene

Concen: 18.87 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049286.D

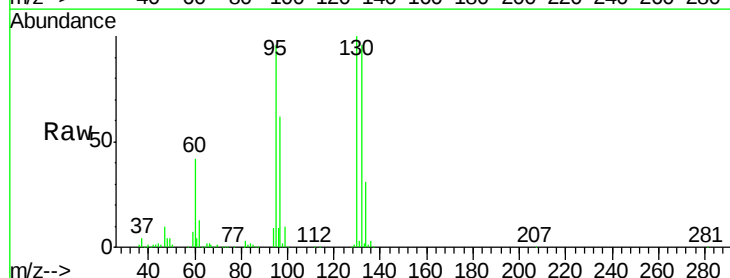
Acq: 16 Jun 2018 3:52

Tgt Ion: 130 Resp: 376624

Ion Ratio Lower Upper

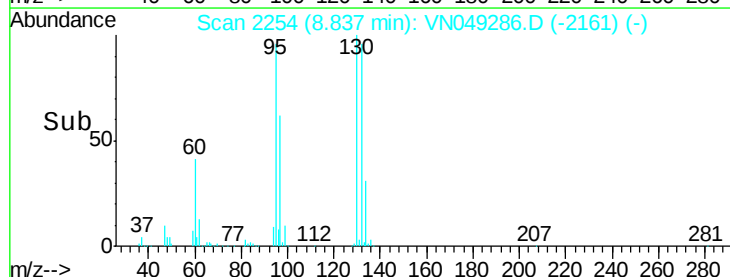
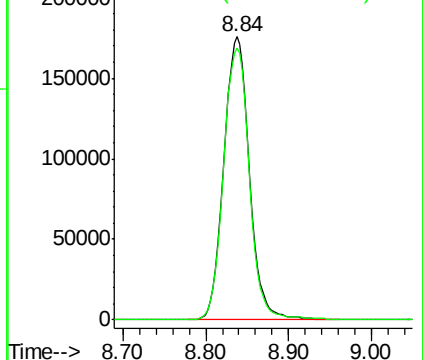
130 100

95 96.0 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049286.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049286.D (-2161) (-)

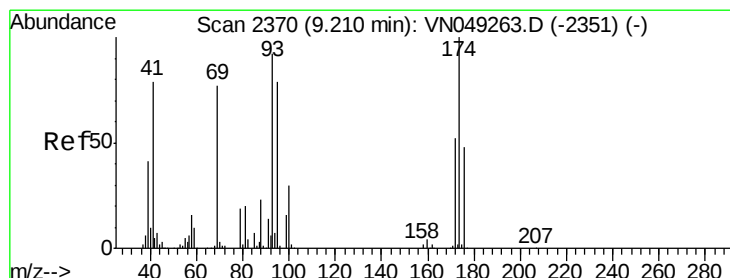
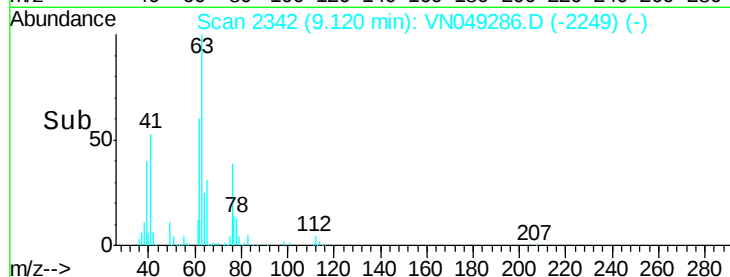
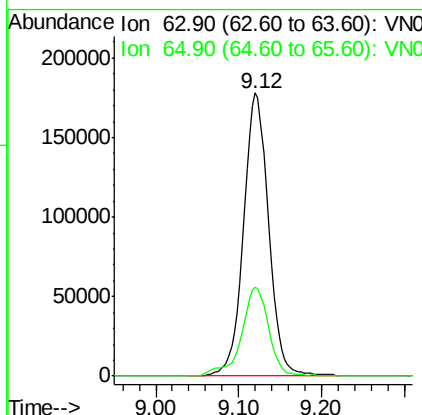
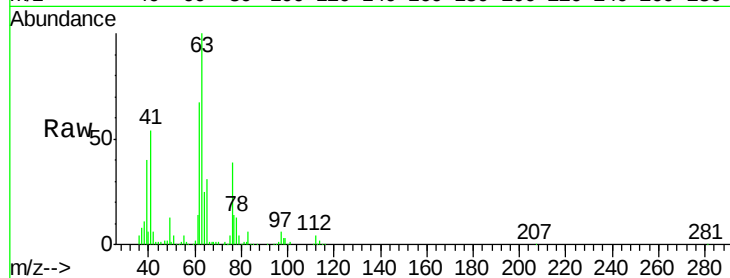




#45
 1,2-Dichloropropane
 Concen: 18.94 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

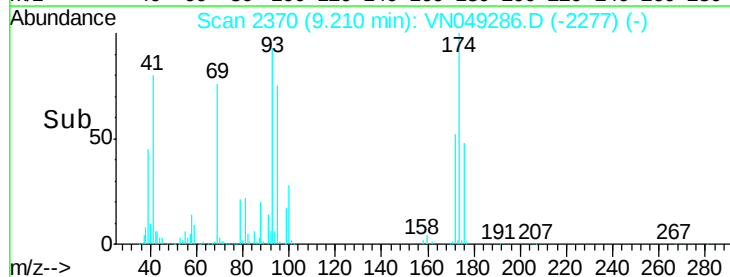
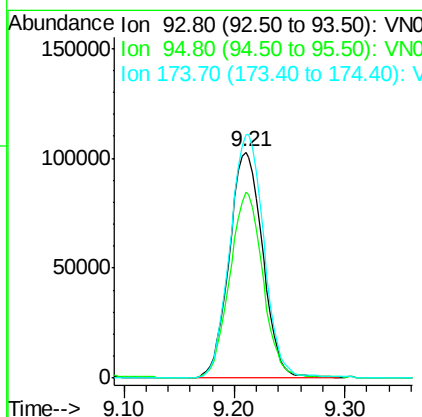
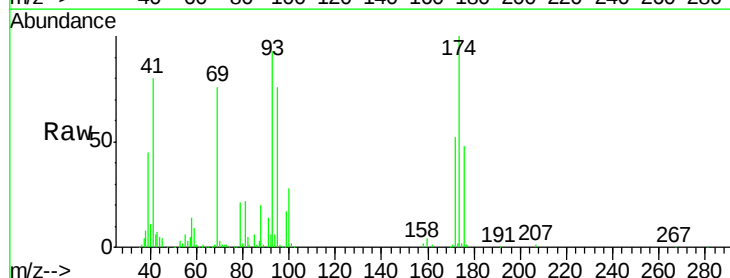
Instrument :
 MSVOA_N
 ClientSampled :

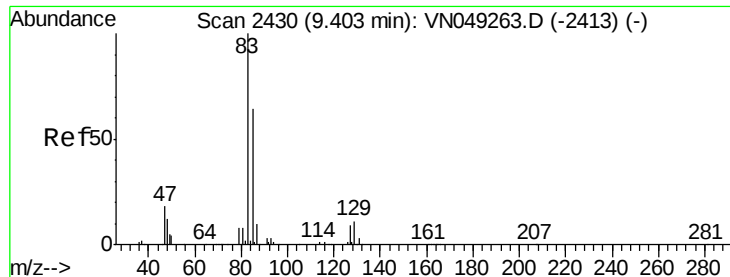
Tot Ion: 63 Resp: 374878
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 18.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 93 Resp: 216830
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.2 100.8
 174 107.9 75.6 113.4





#47

Bromodichloromethane

Concen: 18.82 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampled :

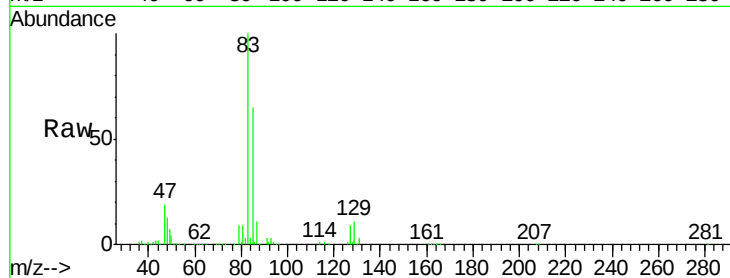
Tot Ion: 83 Resp: 474608

Ion Ratio Lower Upper

83 100

85 65.2 49.4 74.0

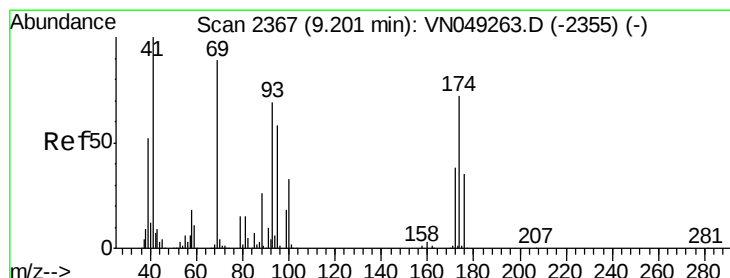
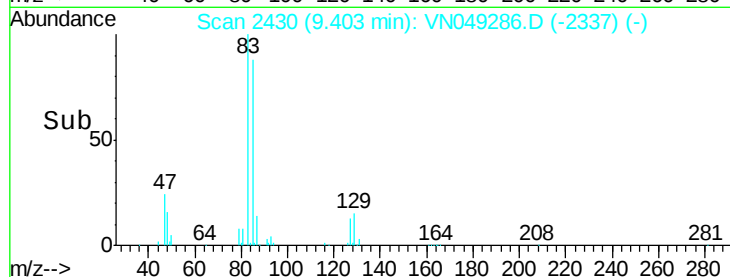
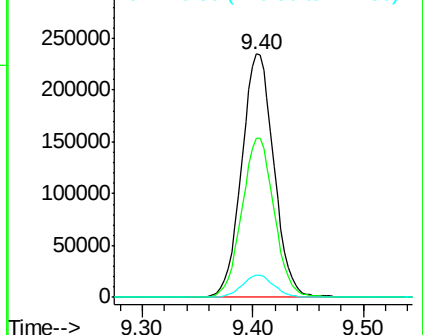
127 9.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049286.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049286.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049286.D (-2337) (-)



#48

Methyl methacrylate

Concen: 17.74 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

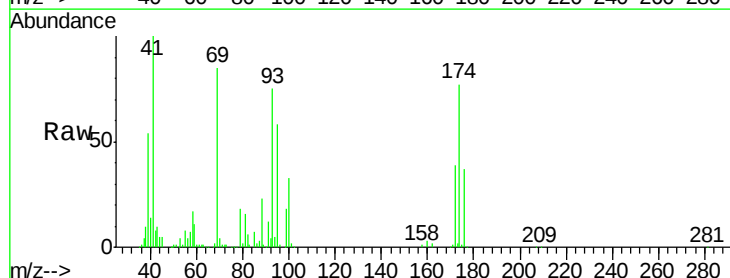
Tgt Ion: 41 Resp: 213977

Ion Ratio Lower Upper

41 100

69 89.6 62.0 93.0

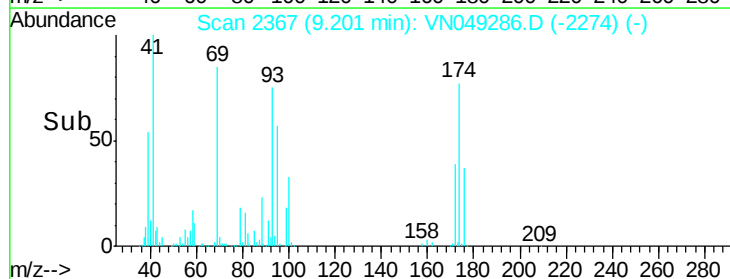
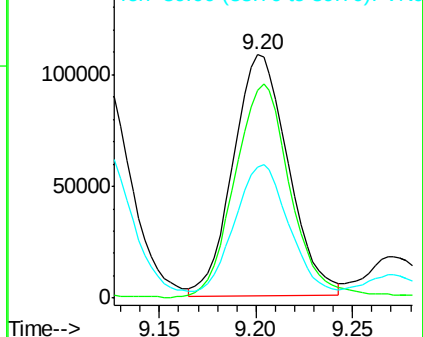
39 55.9 50.6 75.8

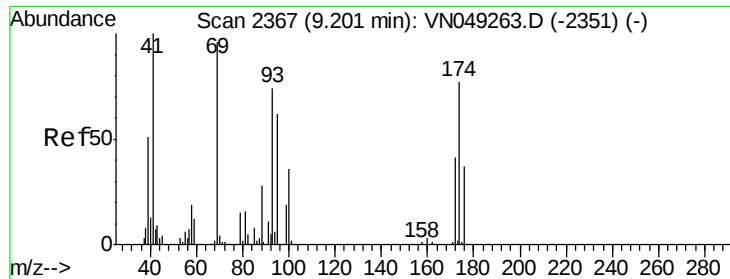


Abundance Ion 41.00 (40.70 to 41.70): VN049286.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049286.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049286.D (-2274) (-)

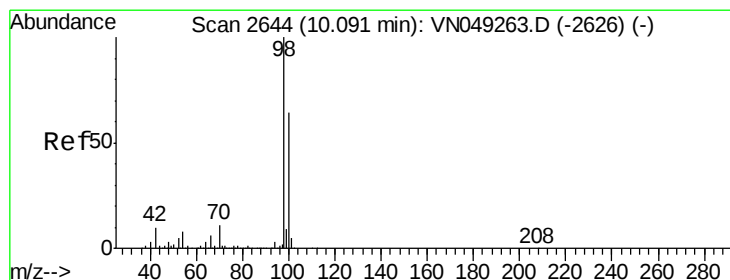
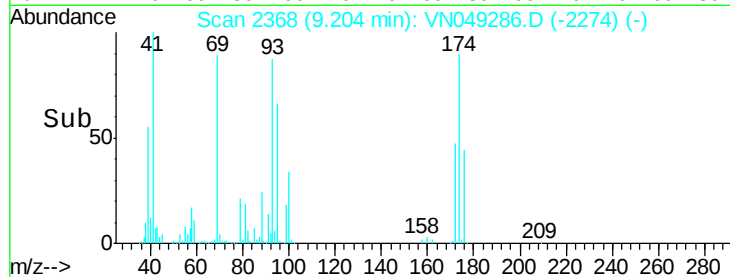
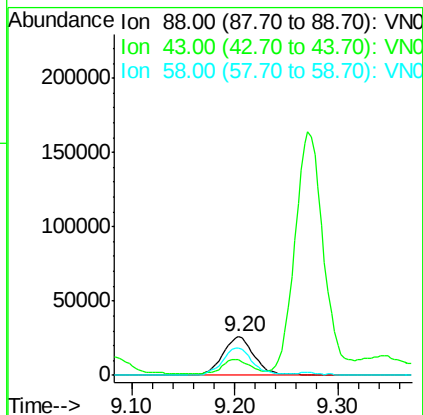
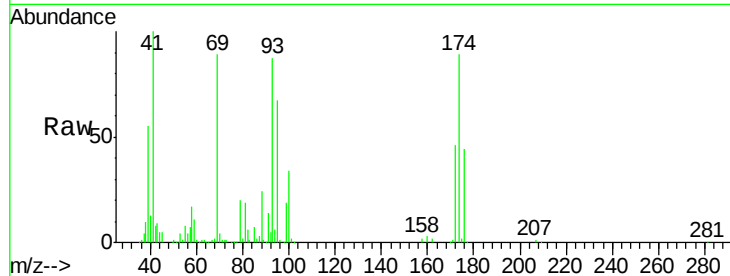




#49
1,4-Dioxane
Concen: 333.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

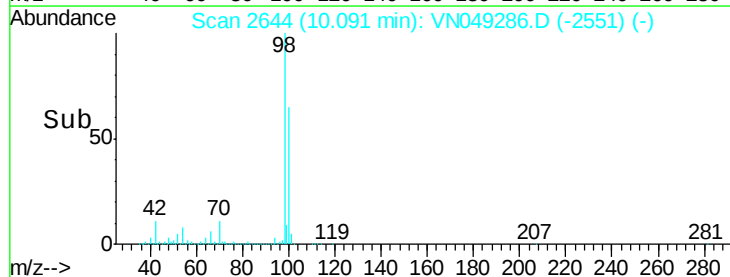
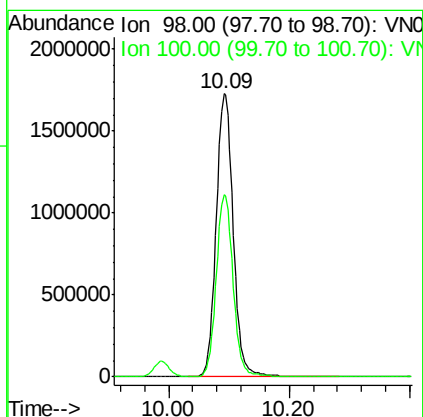
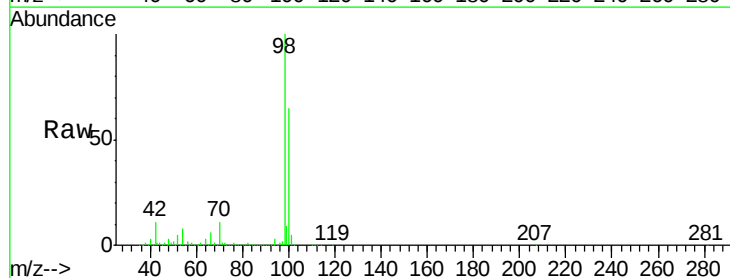
Instrument :
MSVOA_N
ClientSampleId :

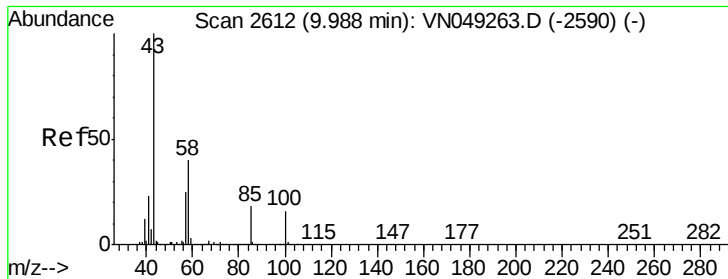
Tot Ion: 88 Resp: 55458
Ion Ratio Lower Upper
88 100
43 29.8 30.9 46.3#
58 67.9 58.9 88.3



#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 98 Resp: 3310089
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 87.71 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

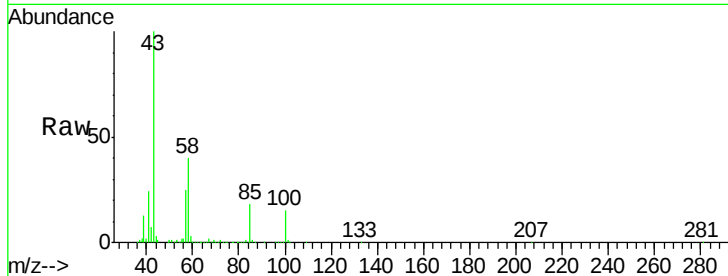
ClientSampled :

Tot Ion: 43 Resp: 1177362

Ion Ratio Lower Upper

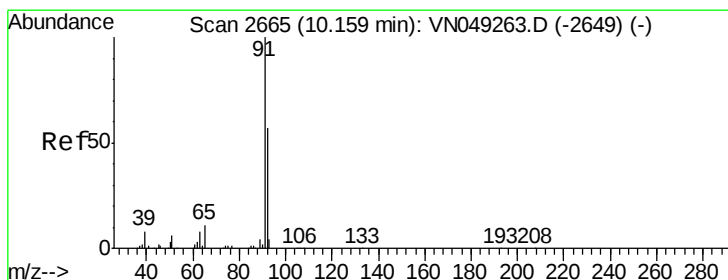
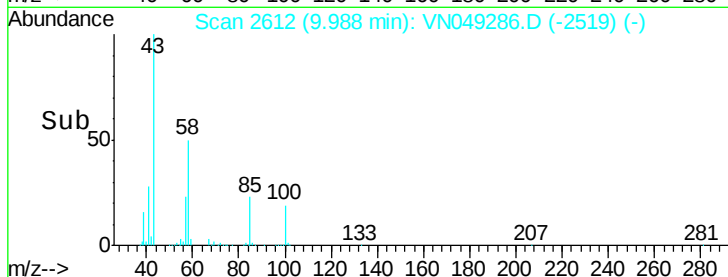
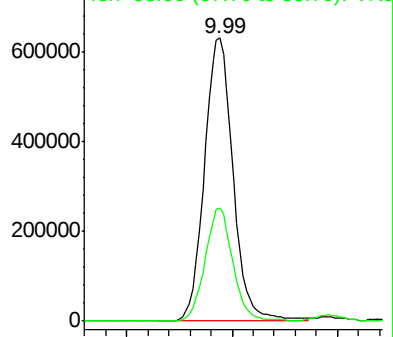
43 100

58 39.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.53 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049286.D

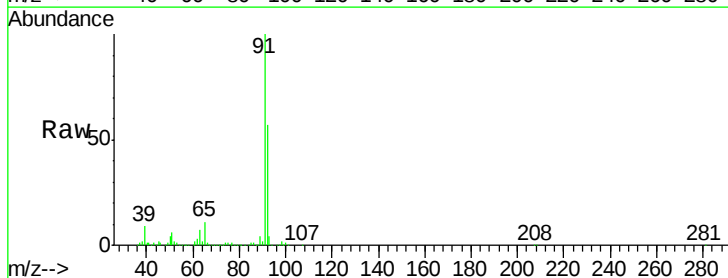
Acq: 16 Jun 2018 3:52

Tgt Ion: 92 Resp: 866636

Ion Ratio Lower Upper

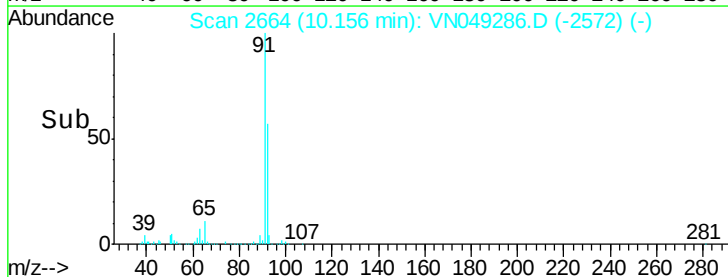
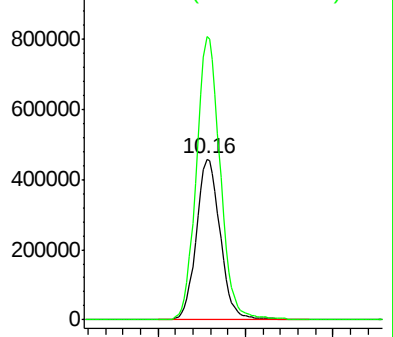
92 100

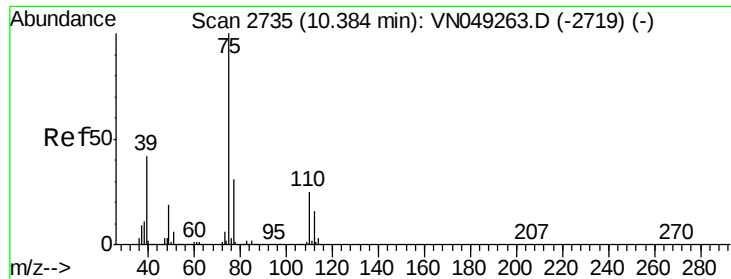
91 176.5 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.12 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

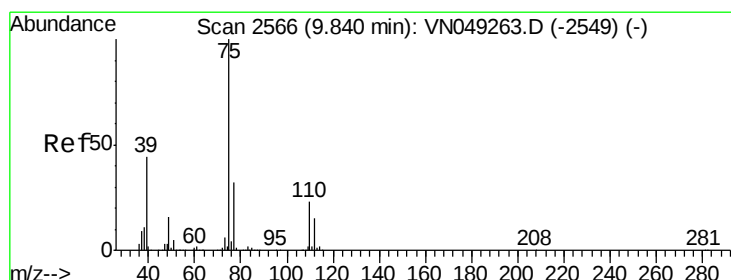
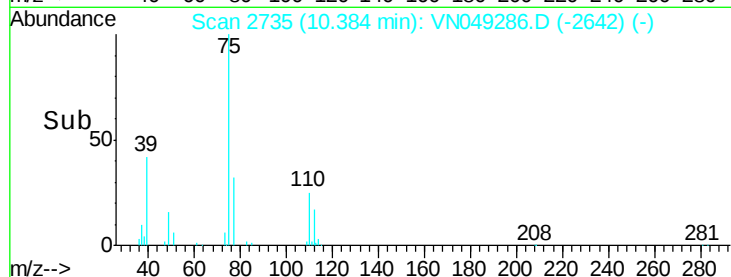
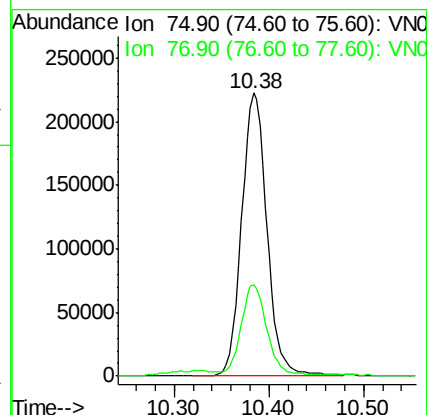
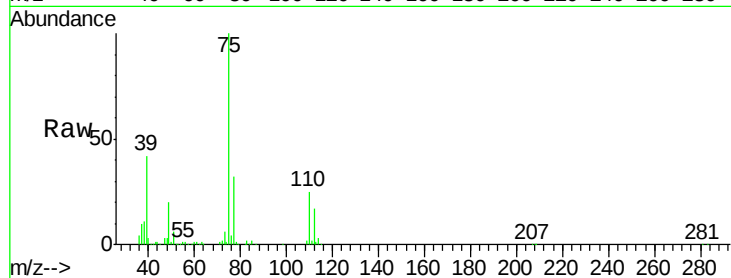
ClientSampled :

Tot Ion: 75 Resp: 413002

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 17.74 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

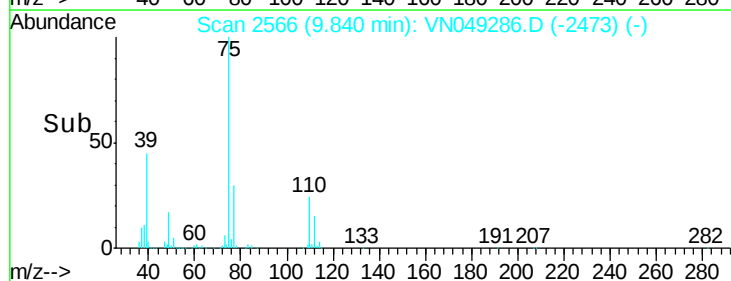
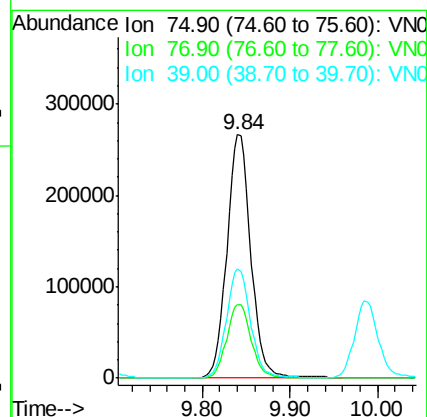
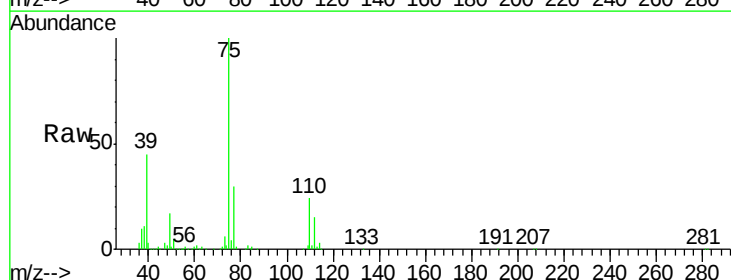
Tgt Ion: 75 Resp: 505408

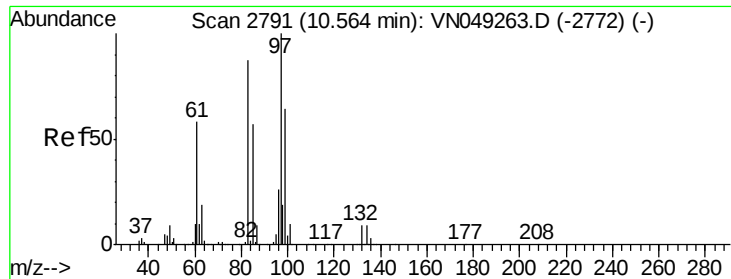
Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 44.9 45.1 67.7#

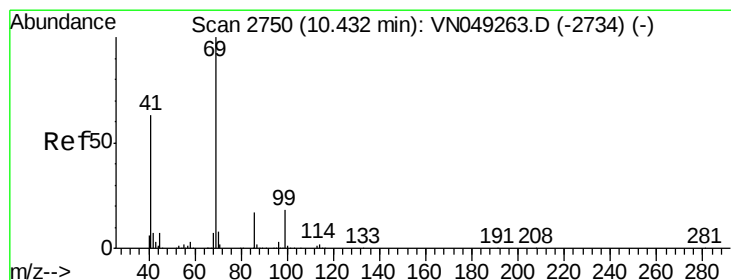
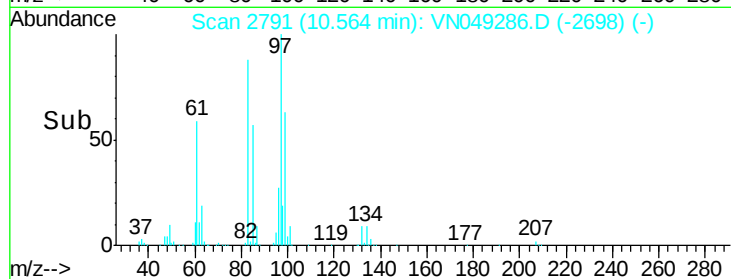
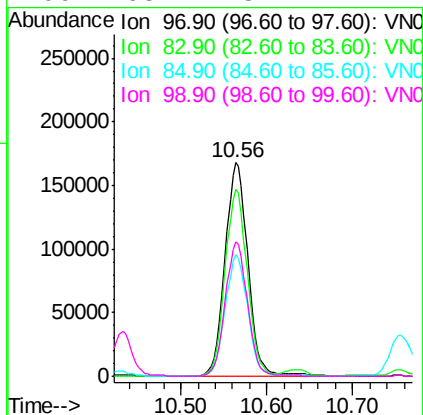
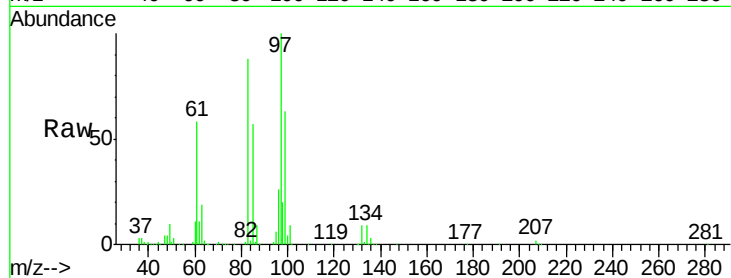




#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

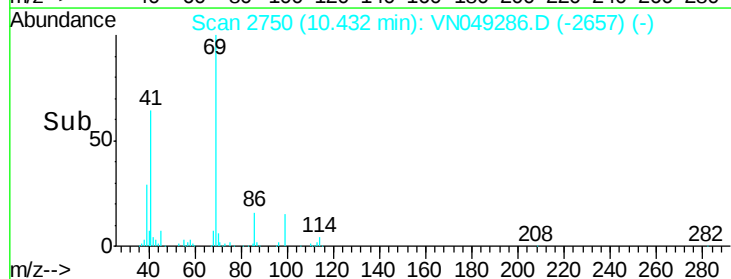
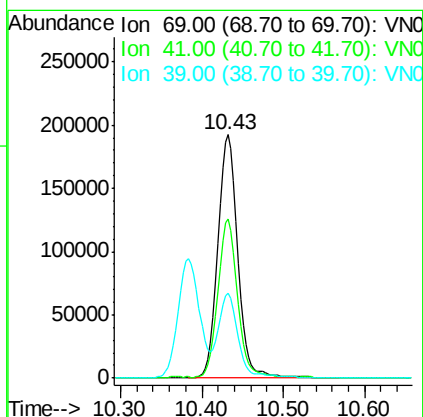
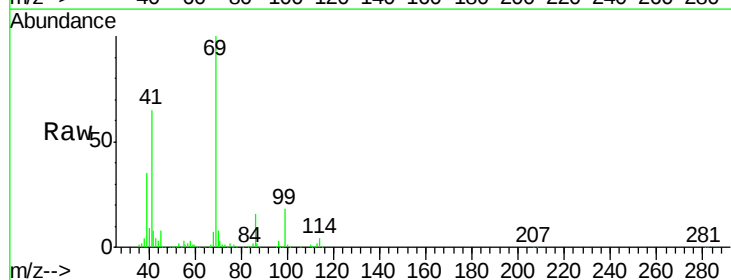
Instrument :
 MSVOA_N
 ClientSampled :

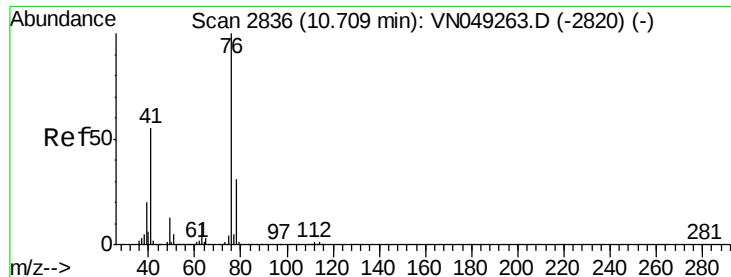
Tot Ion: 97 Resp: 311174
 Ion Ratio Lower Upper
 97 100
 83 87.8 71.5 107.3
 85 57.0 47.0 70.4
 99 63.1 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 17.57 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 69 Resp: 335249
 Ion Ratio Lower Upper
 69 100
 41 63.4 58.4 87.6
 39 34.3 35.5 53.3#





#57

1,3-Dichloropropane

Concen: 18.38 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

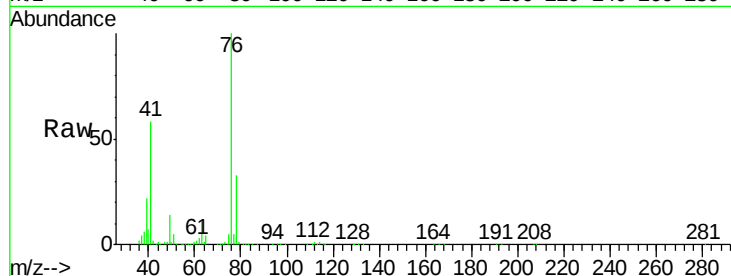
ClientSampleId :

Tot Ion: 76 Resp: 503645

Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

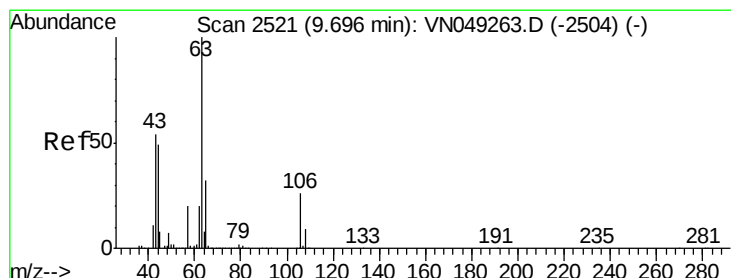
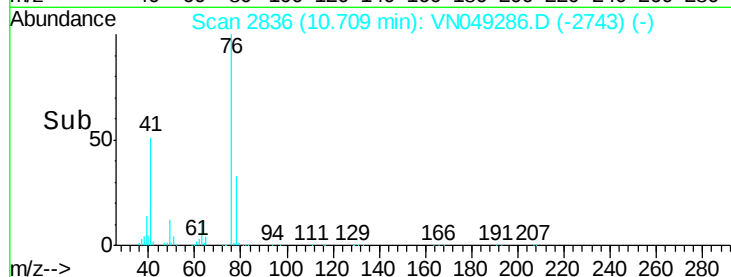
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 80.05 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049286.D

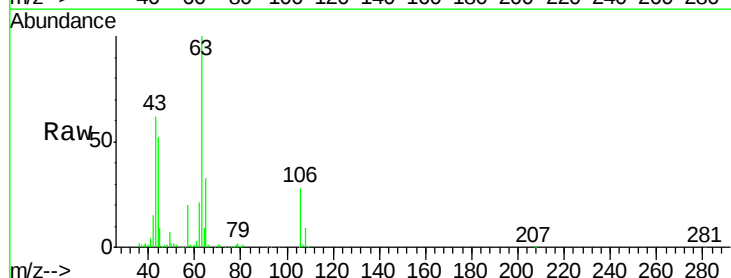
Acq: 16 Jun 2018 3:52

Tgt Ion: 63 Resp: 475596

Ion Ratio Lower Upper

63 100

106 26.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

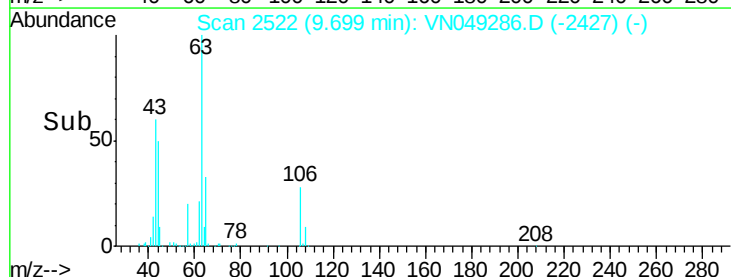
150000

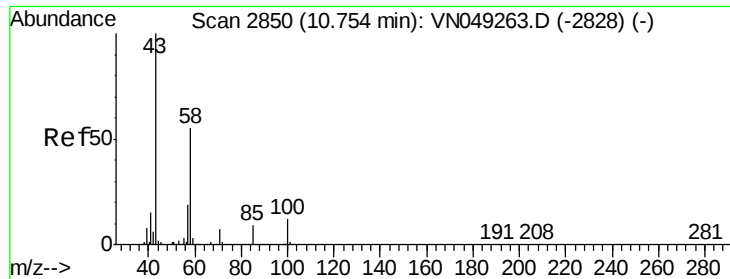
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 81.66 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

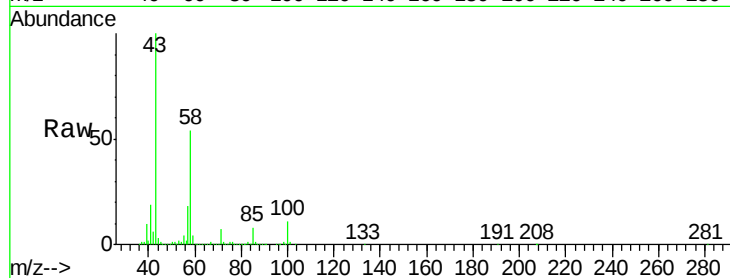
ClientSampled :

Tot Ion: 43 Resp: 706723

Ion Ratio Lower Upper

43 100

58 54.4 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2828) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2828) (-)

10.75

400000

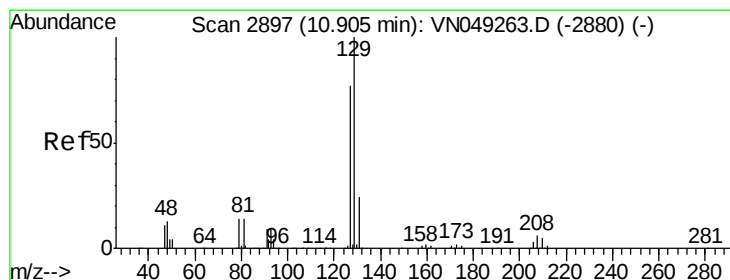
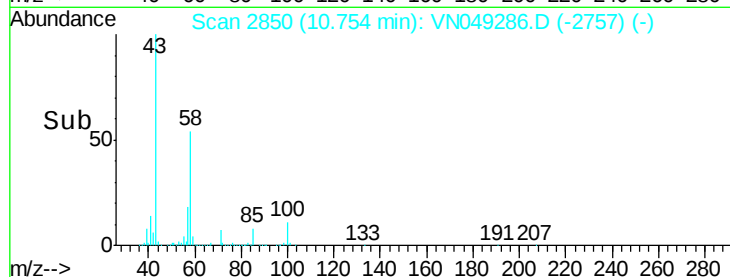
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 18.36 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN049286.D

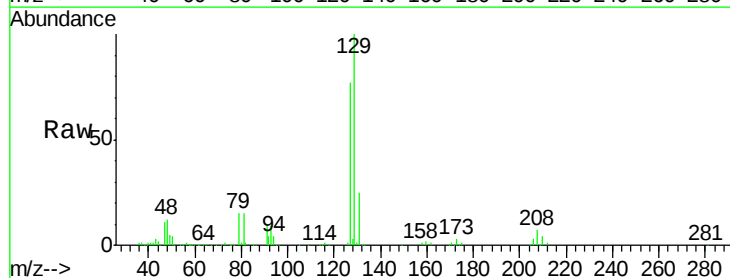
Acq: 16 Jun 2018 3:52

Tgt Ion: 129 Resp: 338884

Ion Ratio Lower Upper

129 100

127 75.7 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): VN049263.D (-2880) (-)

Ion 126.80 (126.50 to 127.50): VN049263.D (-2880) (-)

10.90

200000

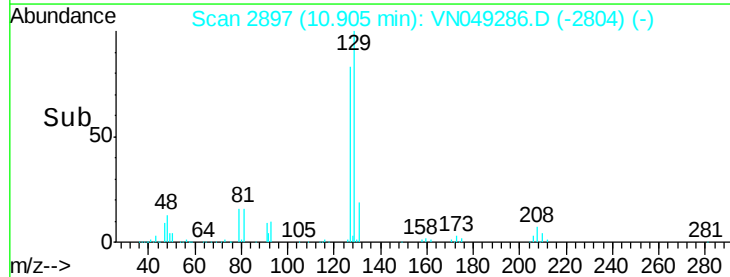
150000

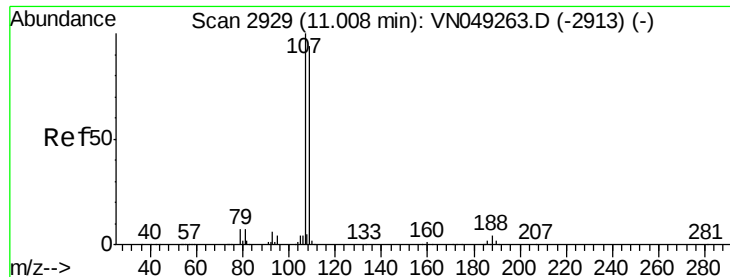
100000

50000

0

Time-->

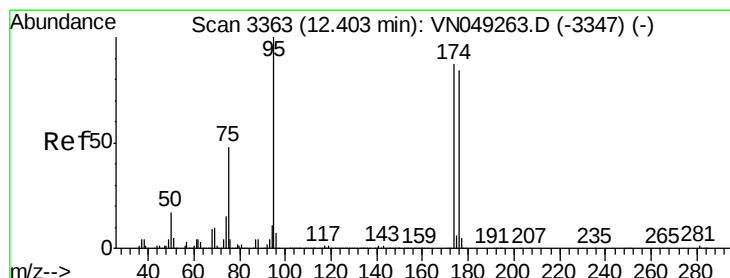
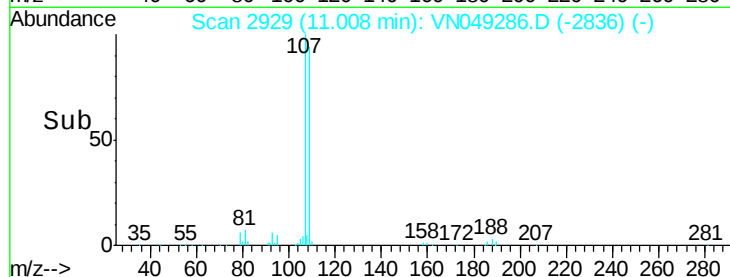
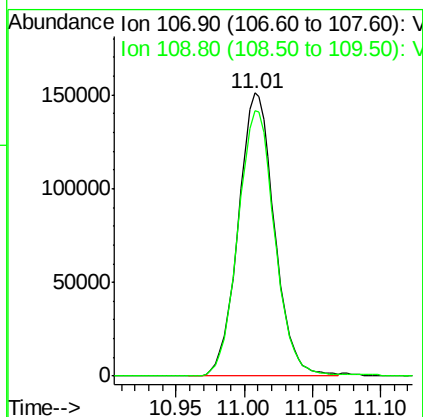
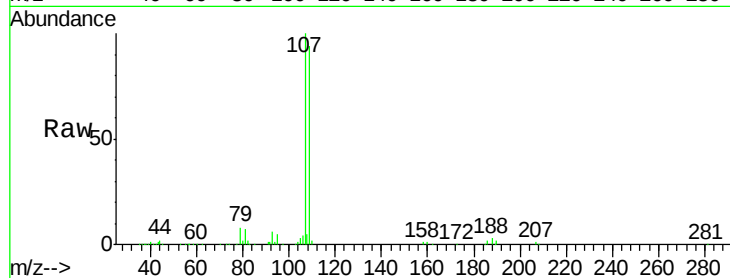




#61
 1,2-Dibromoethane
 Concen: 18.01 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

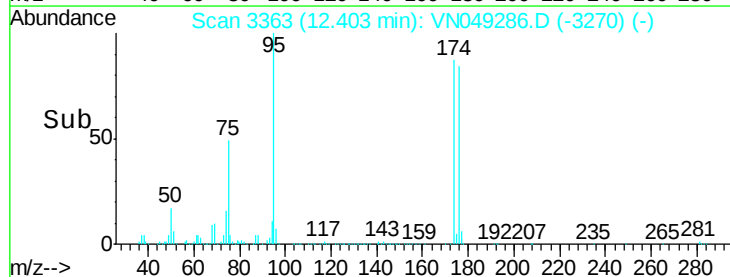
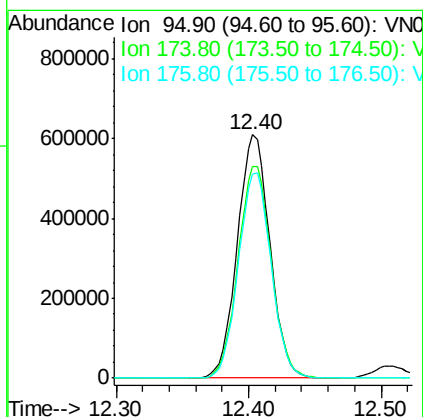
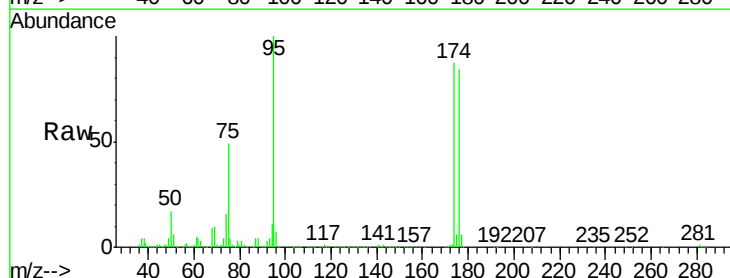
Instrument :
 MSVOA_N
 ClientSampleId :

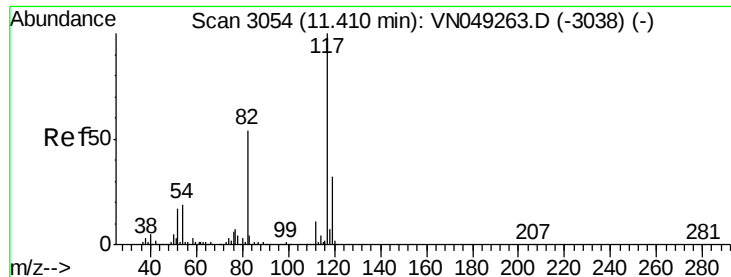
Tot Ion: 107 Resp: 276898
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.50 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 95 Resp: 1040906
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 165.6
 176 84.9 0.0 157.4

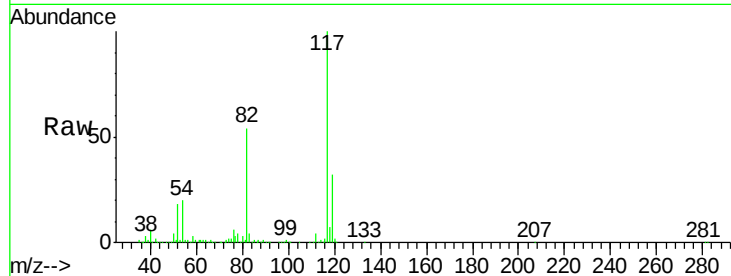




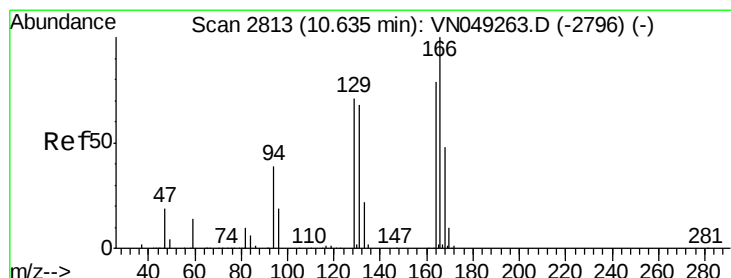
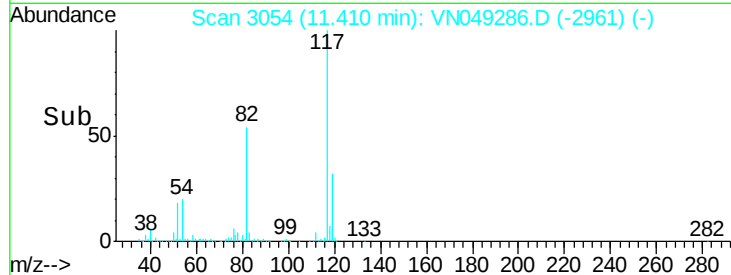
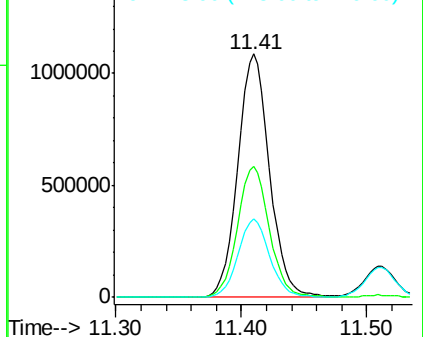
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1909519
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.0 25.5 38.3

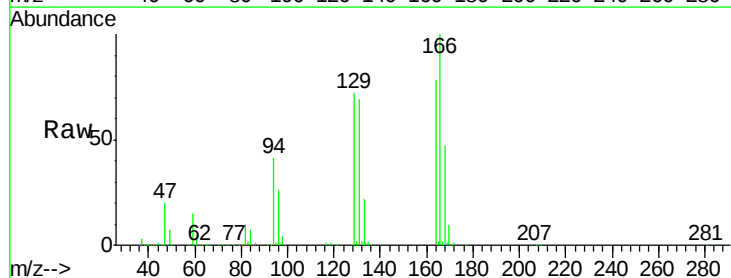


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

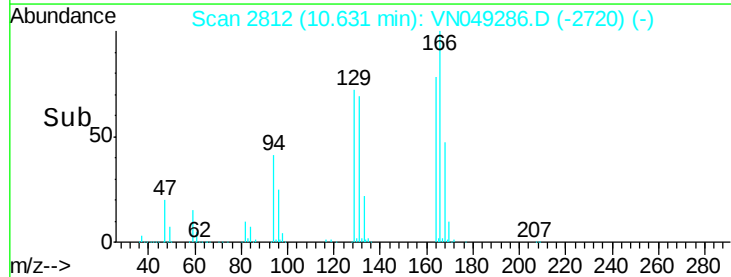
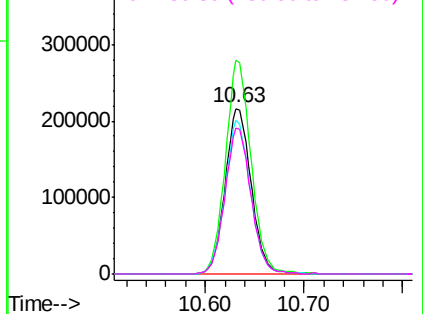


#64
Tetrachloroethene
Concen: 20.43 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion:164 Resp: 399680
Ion Ratio Lower Upper
164 100
166 129.0 101.4 152.2
129 92.5 74.1 111.1
131 88.5 73.7 110.5



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





#65

Chlorobenzene

Concen: 18.84 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

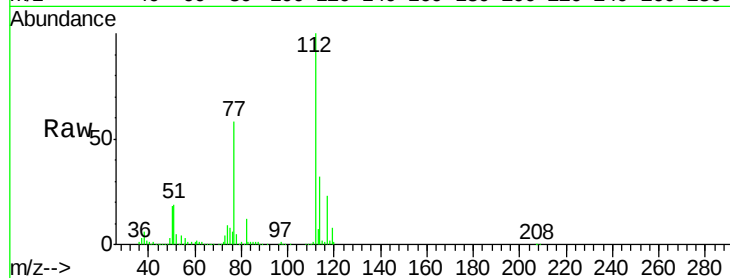
ClientSampleId :

Tot Ion:112 Resp: 926629

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

500000

400000

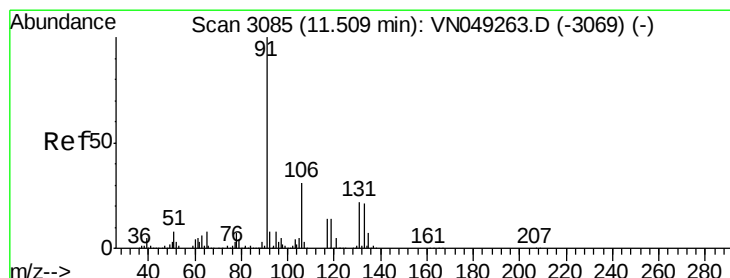
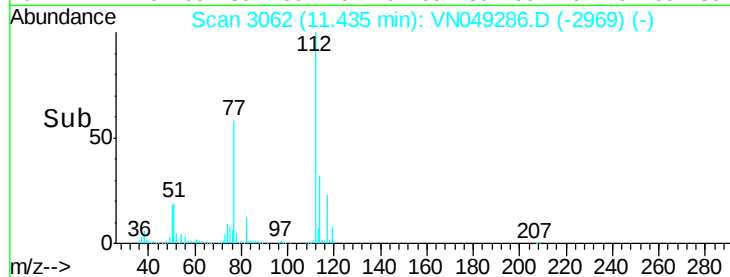
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.05 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

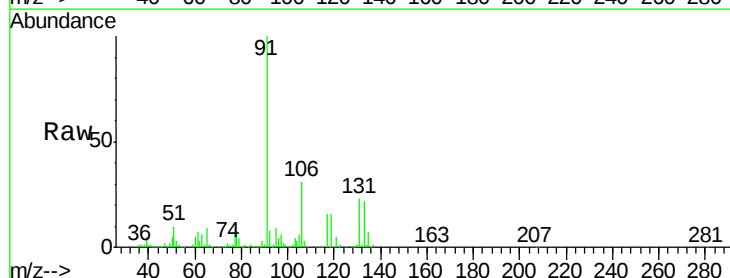
Tgt Ion:131 Resp: 352563

Ion Ratio Lower Upper

131 100

133 94.2 48.0 144.2

119 65.8 33.6 100.8



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

400000

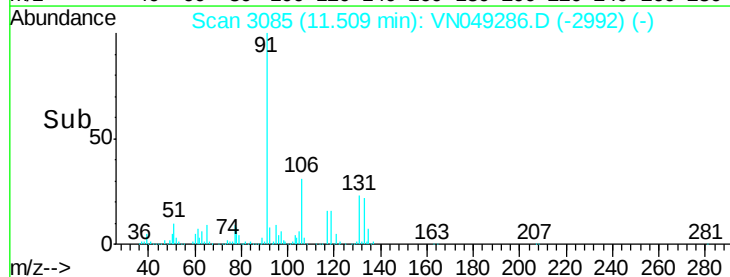
300000

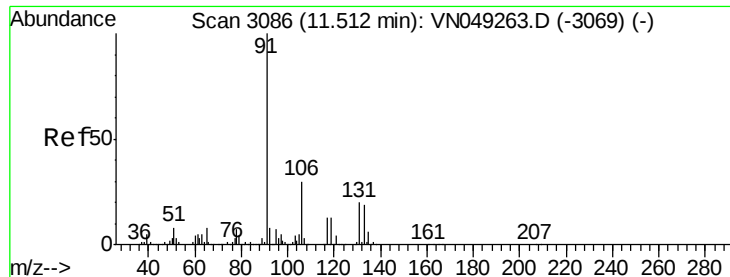
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 19.05 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

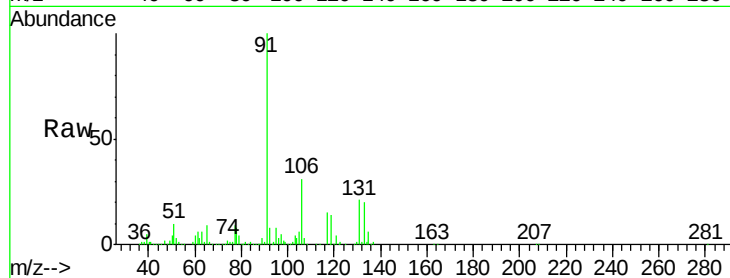
ClientSampled :

Tot Ion: 91 Resp: 1554306

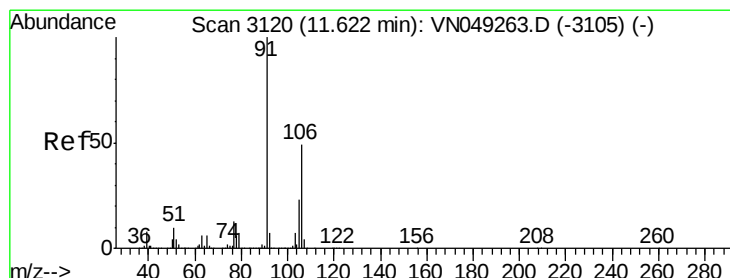
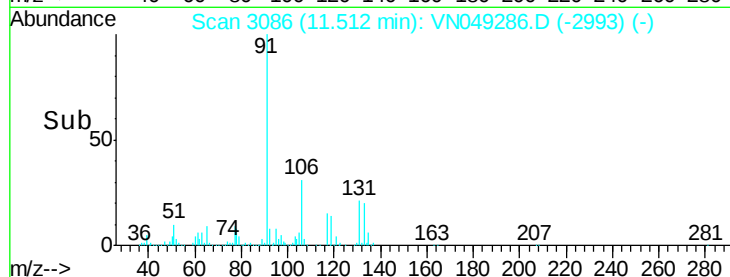
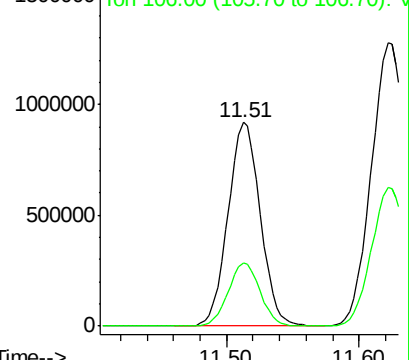
Ion Ratio Lower Upper

91 100

106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049286.D (-2993) (-)



#68

m/p-Xylenes

Concen: 39.18 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049286.D

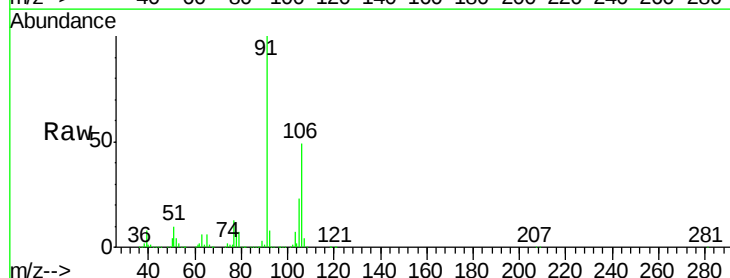
Acq: 16 Jun 2018 3:52

Tgt Ion: 106 Resp: 1199640

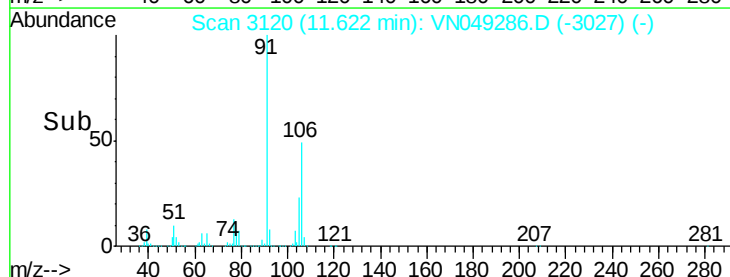
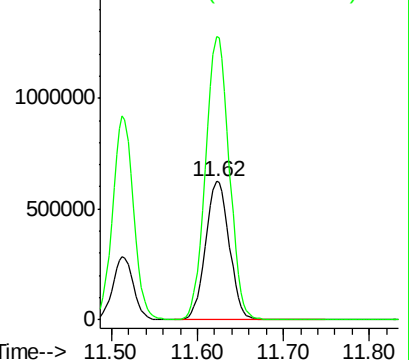
Ion Ratio Lower Upper

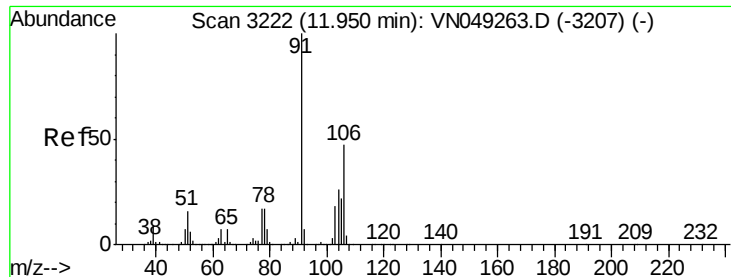
106 100

91 203.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049286.D (-3027) (-)





#69

o-Xylene

Concen: 19.39 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

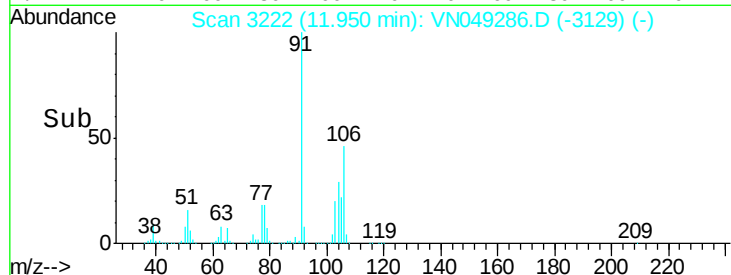
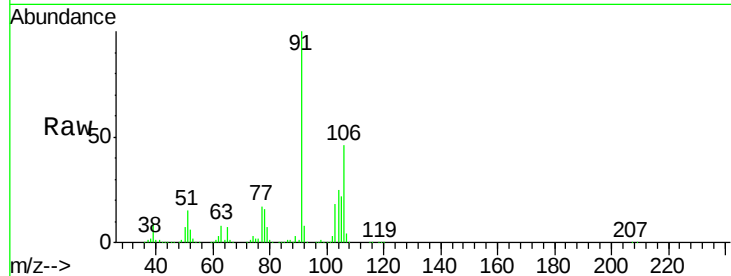
ClientSampled :

Tot Ion:106 Resp: 571884

Ion Ratio Lower Upper

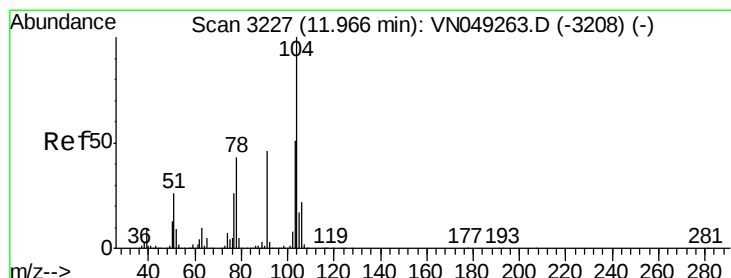
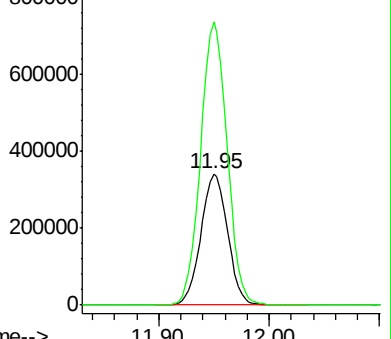
106 100

91 214.3 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 19.40 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

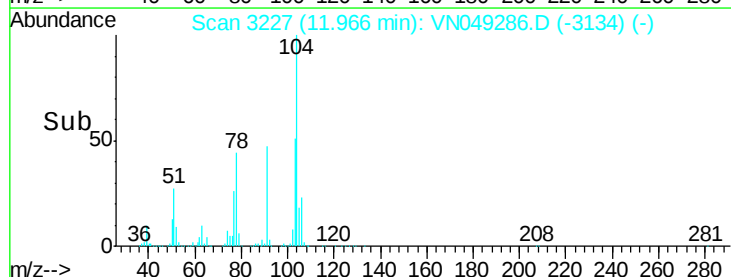
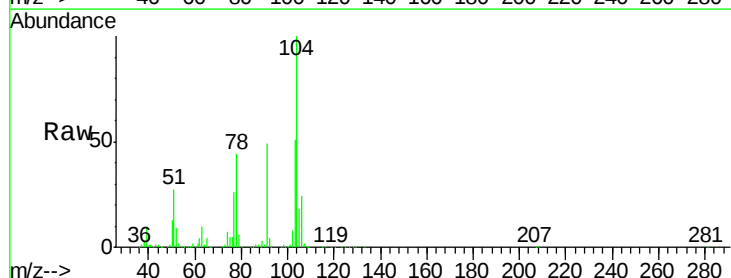
Tgt Ion:104 Resp: 902807

Ion Ratio Lower Upper

104 100

78 49.6 41.6 62.4

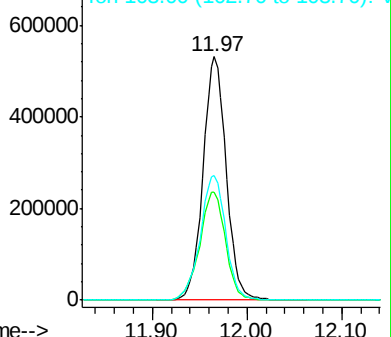
103 56.3 45.4 68.2

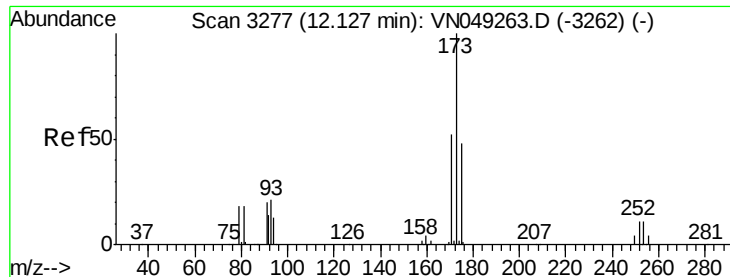


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.97 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

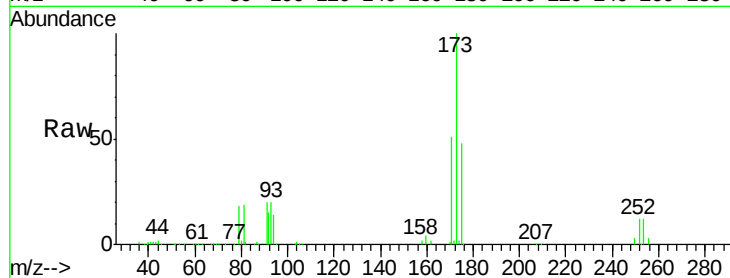
Tot Ion:173 Resp: 215285

Ion Ratio Lower Upper

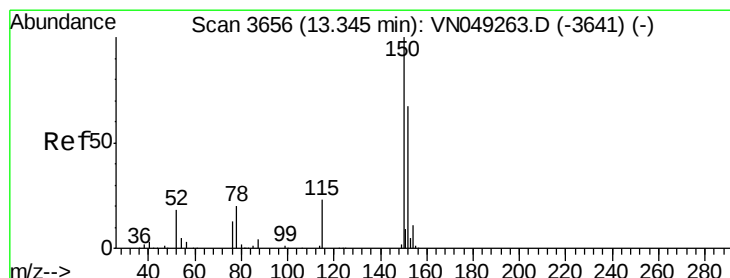
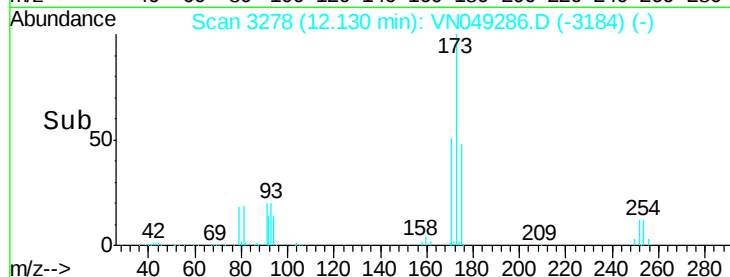
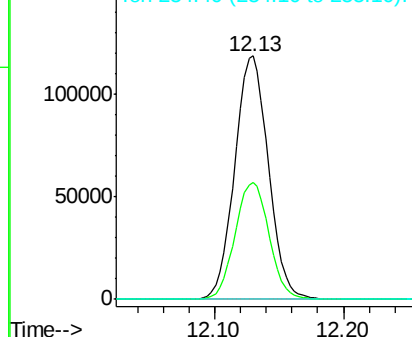
173 100

175 48.4 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

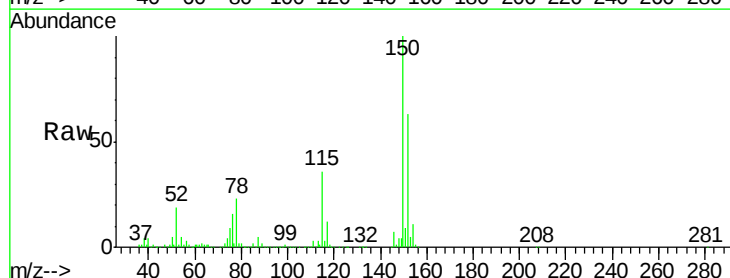
Tgt Ion:152 Resp: 882058

Ion Ratio Lower Upper

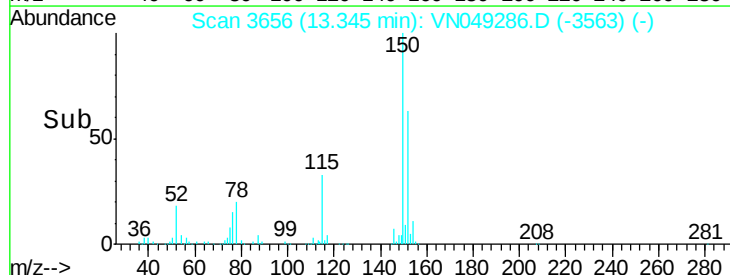
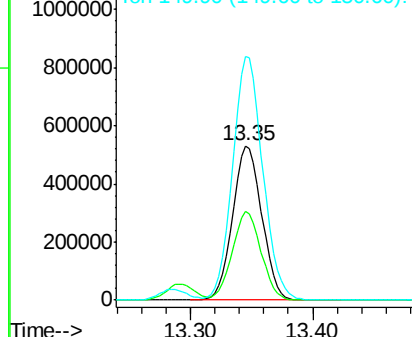
152 100

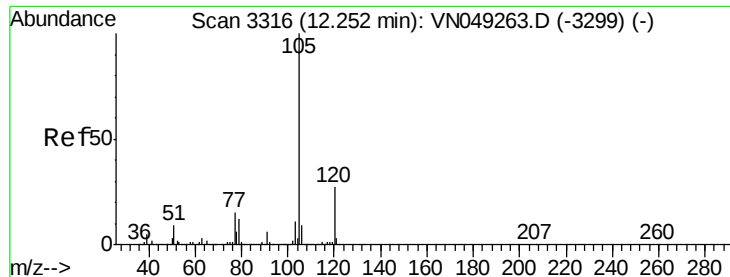
115 56.8 28.7 86.1

150 163.2 0.0 351.0



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: 19.74 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

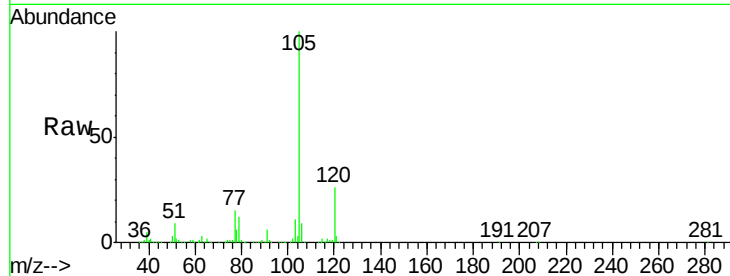
ClientSampled :

Tot Ion:105 Resp: 1528418

Ion Ratio Lower Upper

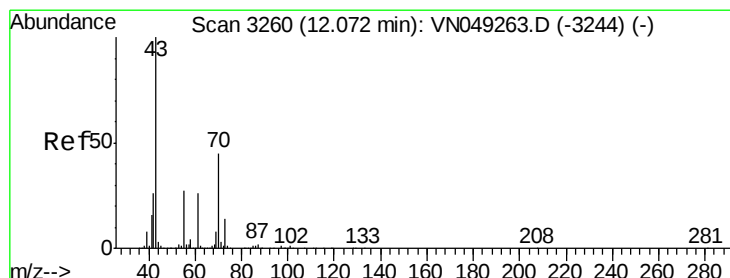
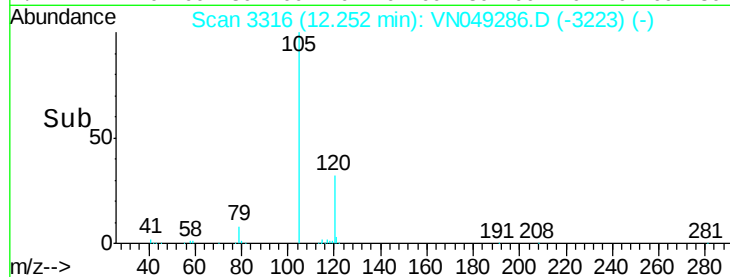
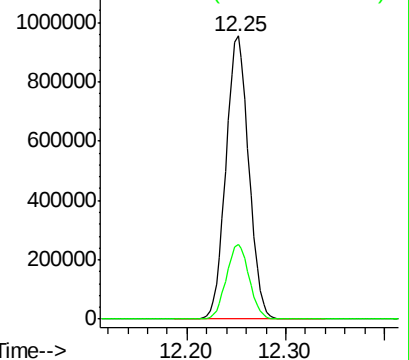
105 100

120 26.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.61 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion: 43 Resp: 314988

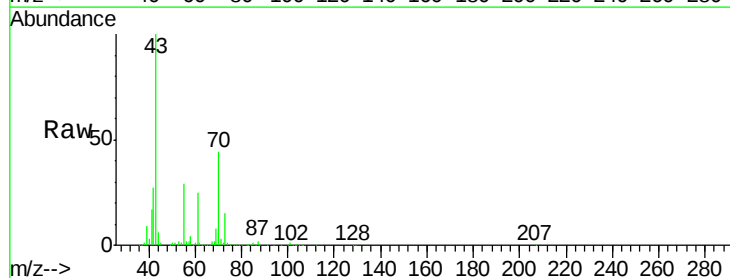
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 28.4 19.4 29.2

61 24.3 17.8 26.6

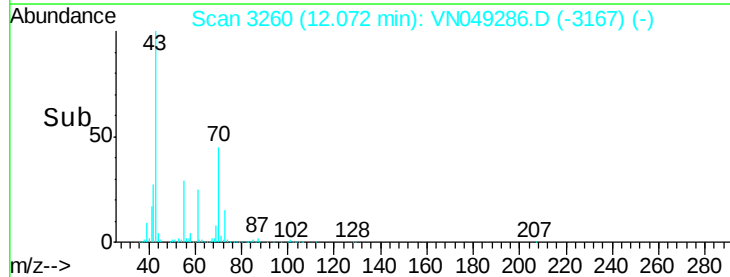
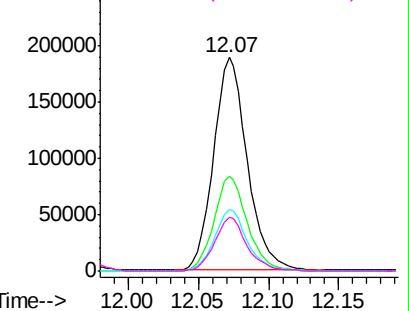


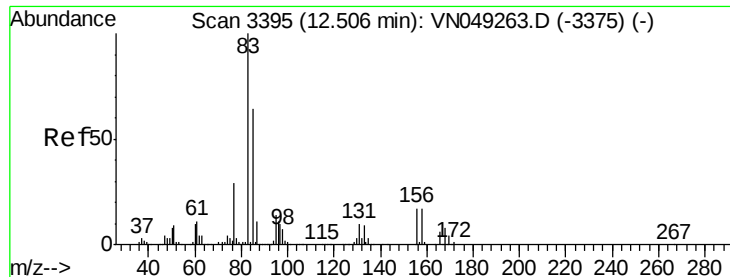
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

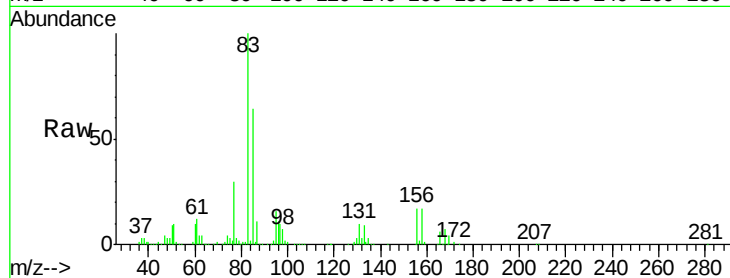
Tot Ion: 83 Resp: 334955

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	64.1	32.0	96.0

83 100

131 10.4 5.0 15.0

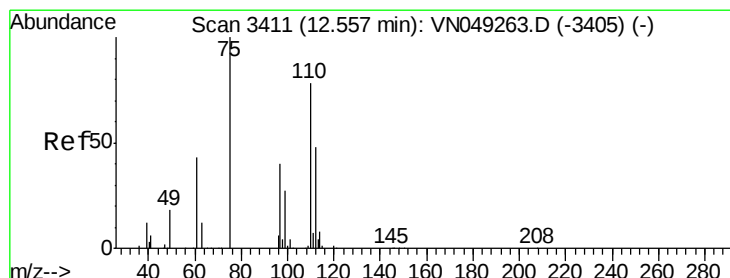
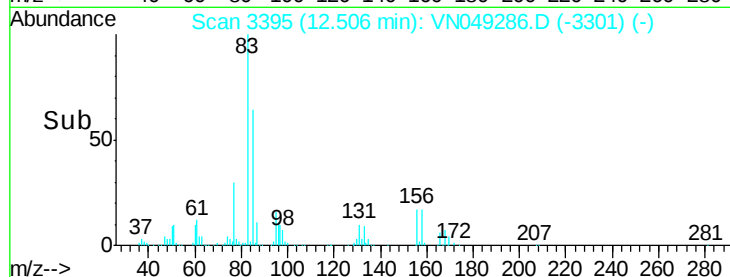
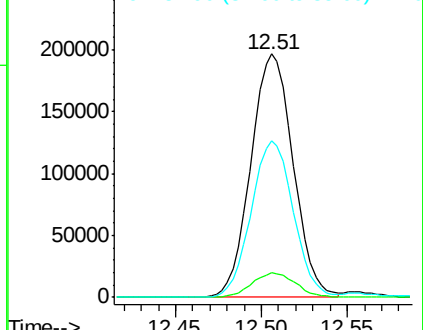
85 64.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049286.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049286.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049286.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 26.67 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049286.D

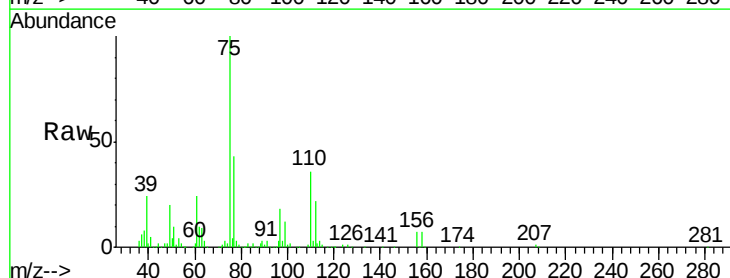
Acq: 16 Jun 2018 3:52

Tgt Ion: 75 Resp: 401359

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

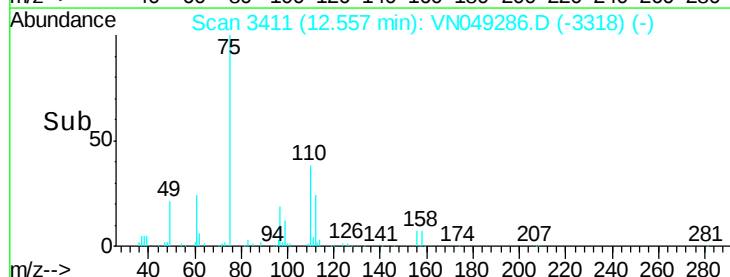
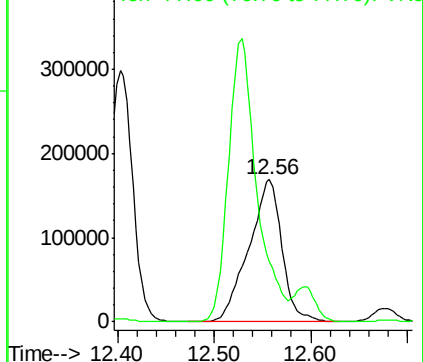
75 100

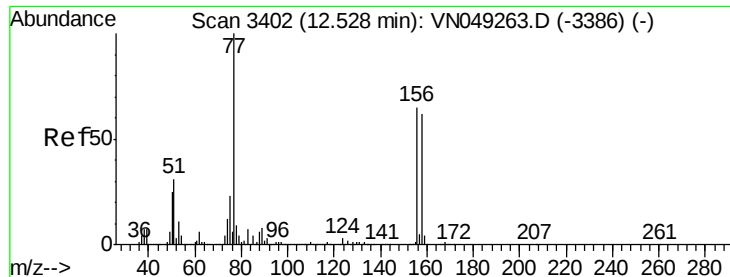
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049286.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049286.D (-3318) (-)





#77

Bromobenzene

Concen: 18.63 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

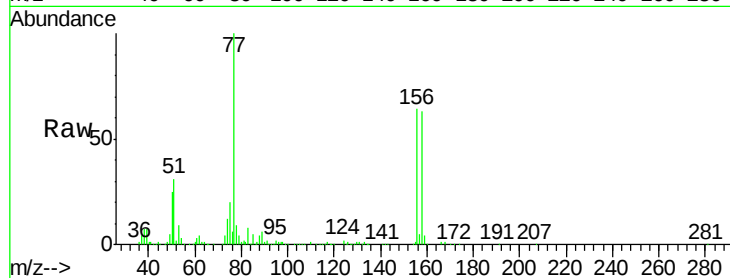
Tot Ion:156 Resp: 381163

Ion Ratio Lower Upper

156 100

77 180.4 100.8 302.4

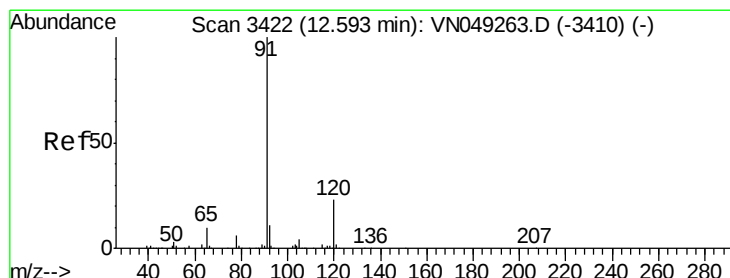
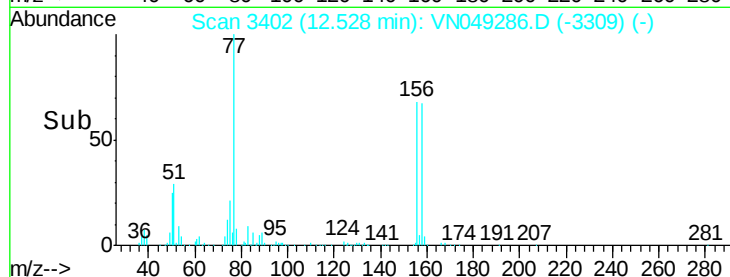
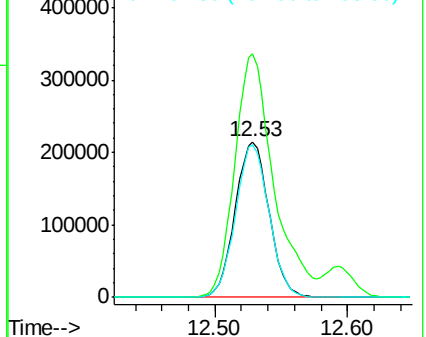
158 97.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.64 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049286.D

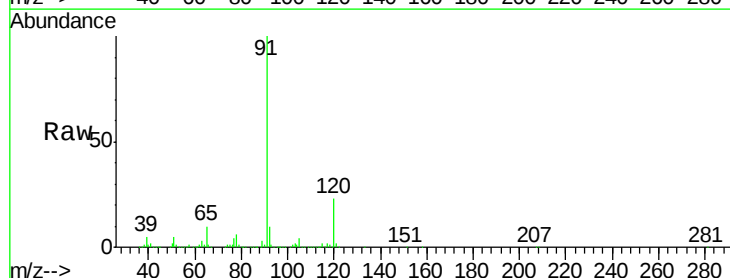
Acq: 16 Jun 2018 3:52

Tgt Ion: 91 Resp: 1670429

Ion Ratio Lower Upper

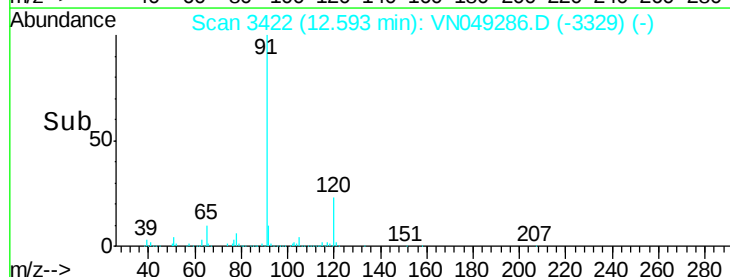
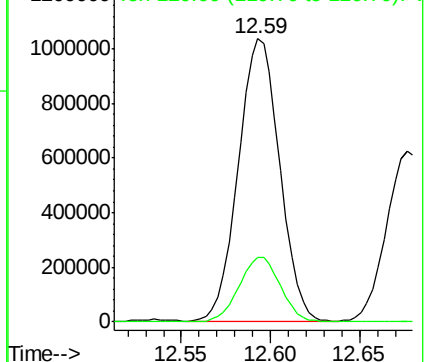
91 100

120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

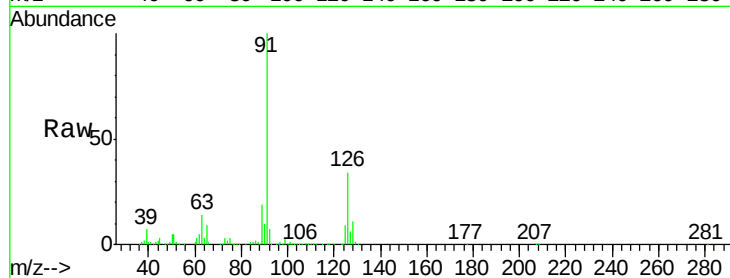
ClientSampleId :

Tot Ion: 91 Resp: 1040856

Ion Ratio Lower Upper

91 100

126 34.6 16.6 49.8

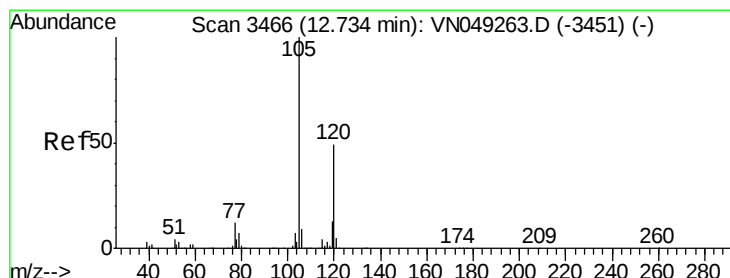
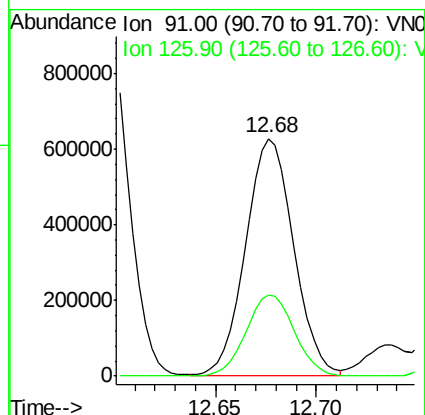
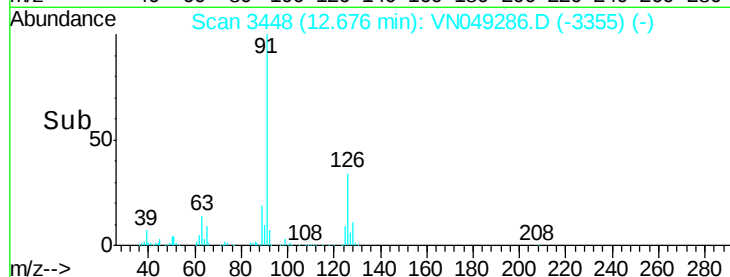


Abundance Ion 91.00 (90.70 to 91.70): VN049286.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049286.D (-3355) (-)

Time-->

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.10 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049286.D

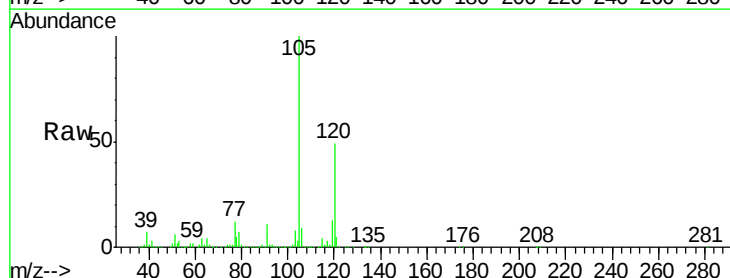
Acq: 16 Jun 2018 3:52

Tgt Ion:105 Resp: 1223798

Ion Ratio Lower Upper

105 100

120 49.3 23.5 70.5

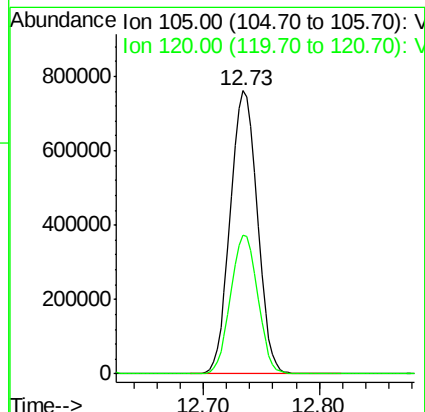
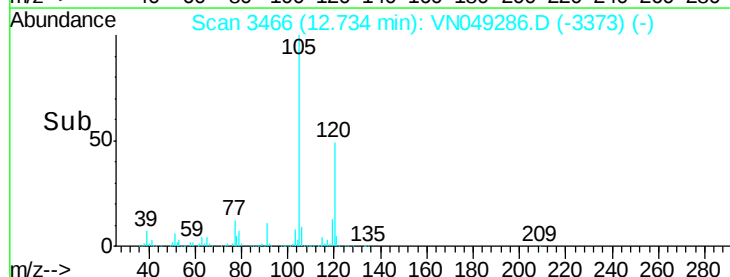


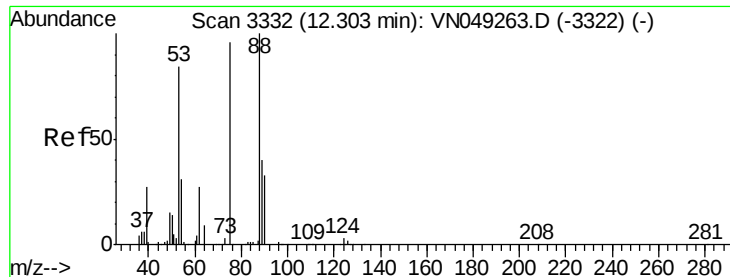
Abundance Ion 105.00 (104.70 to 105.70): VN049286.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049286.D (-3373) (-)

Time-->

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.69 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

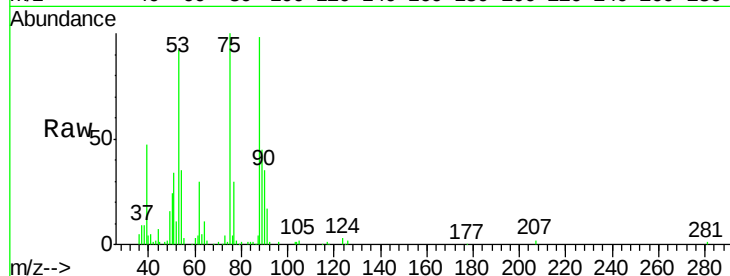
Tot Ion: 75 Resp: 74693

Ion Ratio Lower Upper

75 100

53 97.9 82.7 124.1

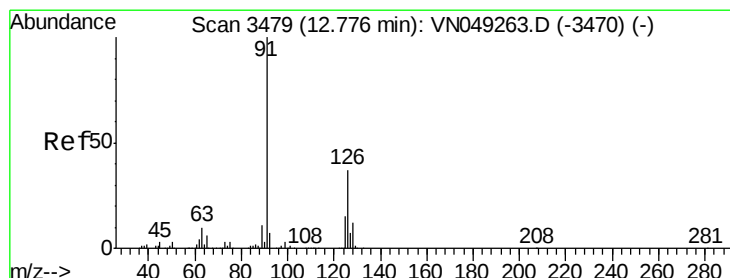
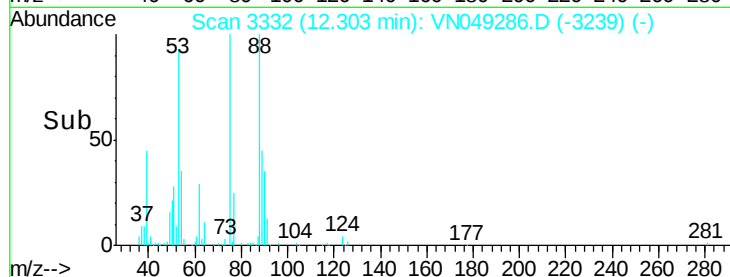
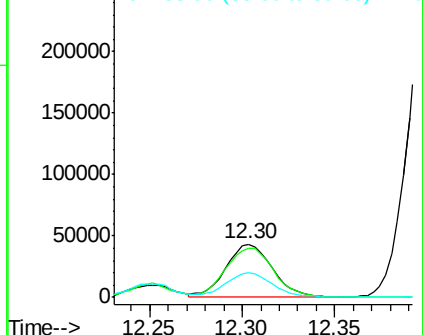
89 47.1 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN049286.D (-3332) (-)

Ion 53.00 (52.70 to 53.70): VN049286.D (-3332) (-)

Ion 88.90 (88.60 to 89.60): VN049286.D (-3332) (-)



#82

4-Chlorotoluene

Concen: 19.46 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049286.D

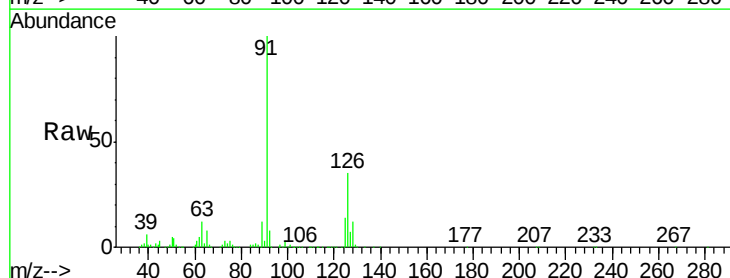
Acq: 16 Jun 2018 3:52

Tgt Ion: 91 Resp: 1011325

Ion Ratio Lower Upper

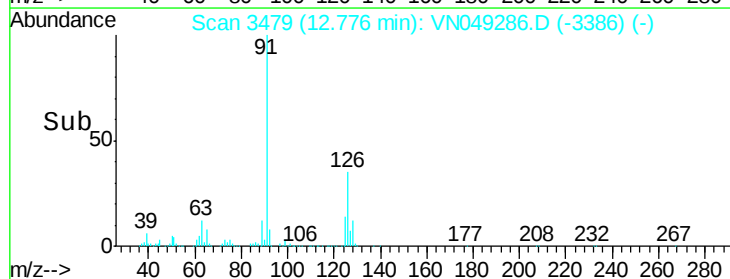
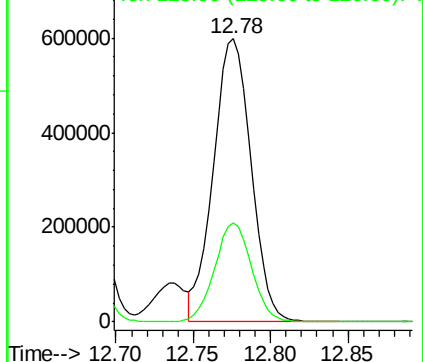
91 100

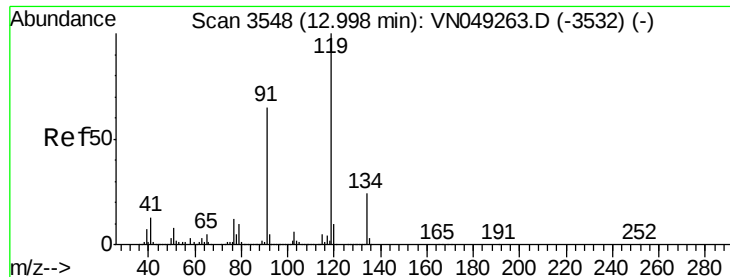
126 34.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049286.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049286.D (-3479) (-)





#83

tert-Butylbenzene

Concen: 19.18 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

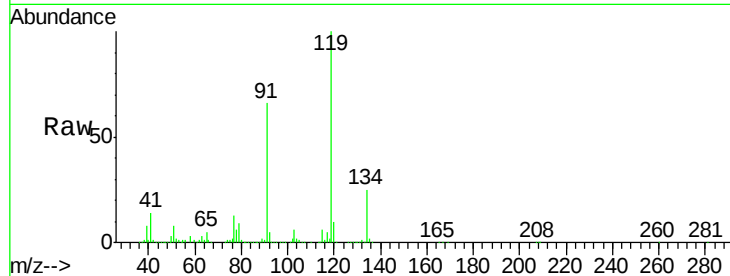
Tot Ion:119 Resp: 1034124

Ion Ratio Lower Upper

119 100

91 65.3 33.7 101.0

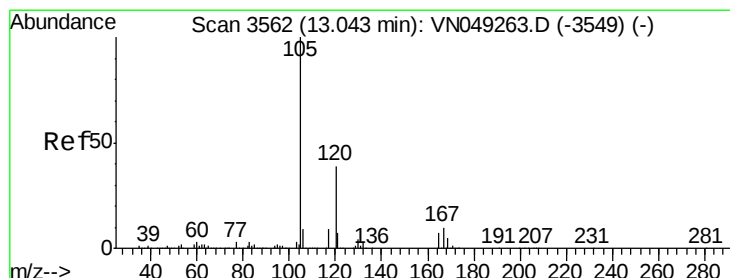
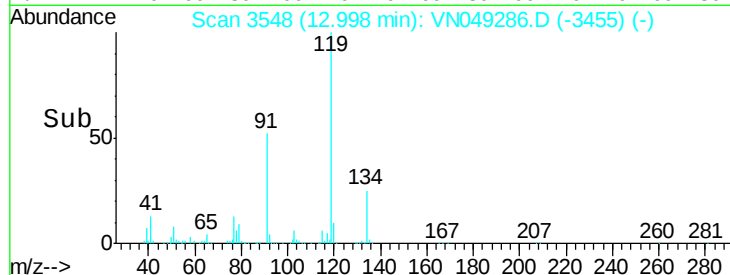
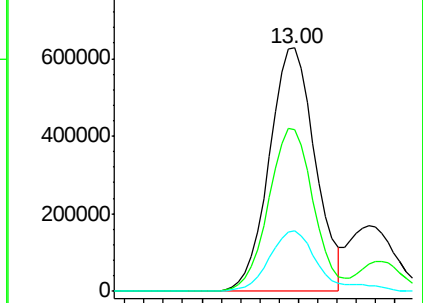
134 26.8 12.9 38.6



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: 20.50 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049286.D

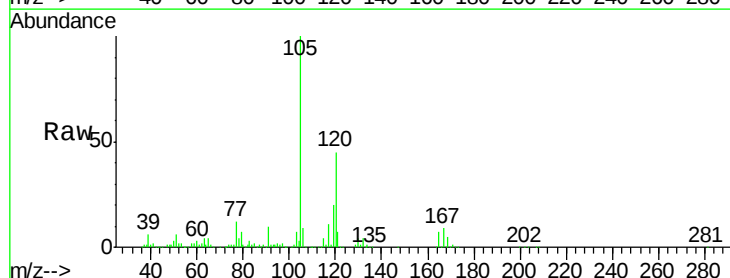
Acq: 16 Jun 2018 3:52

Tgt Ion:105 Resp: 1239785

Ion Ratio Lower Upper

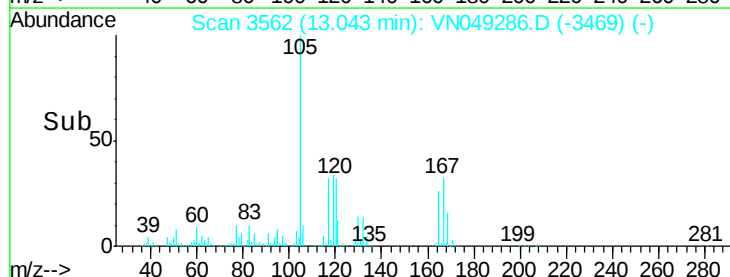
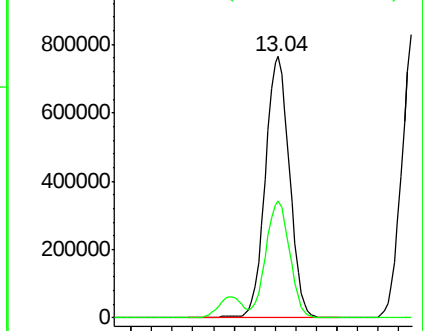
105 100

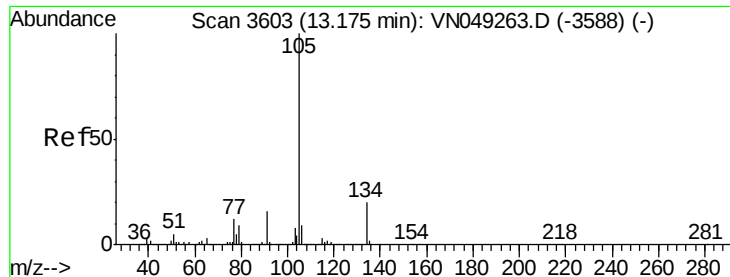
120 44.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

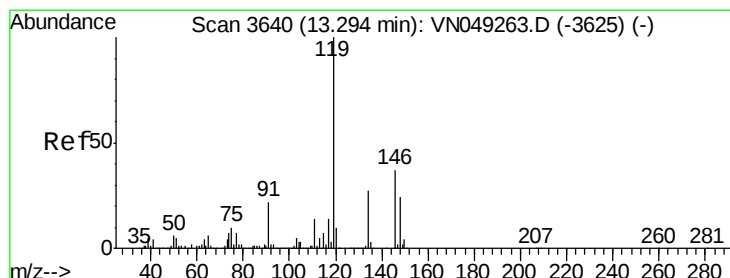
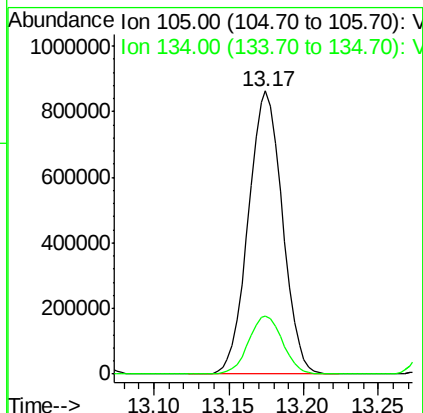
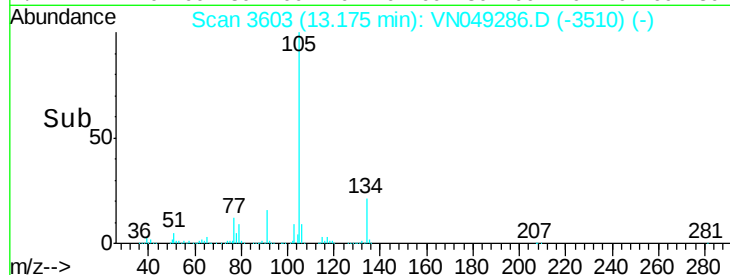
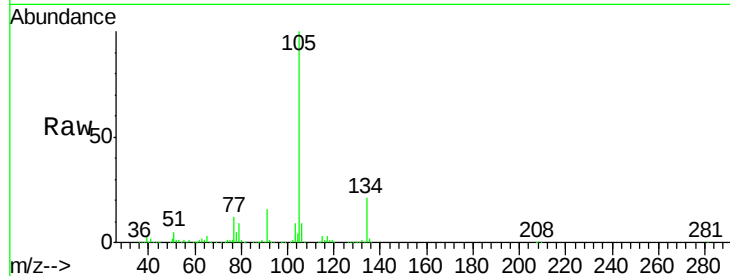
ClientSampled :

Tot Ion:105 Resp: 1363544

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.02 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

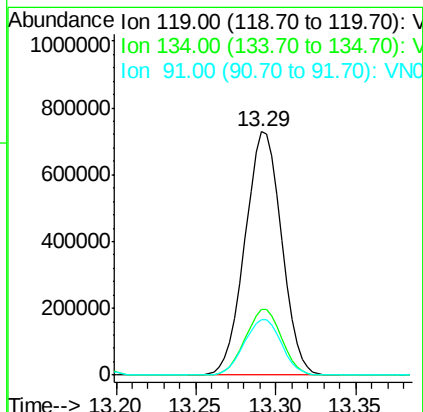
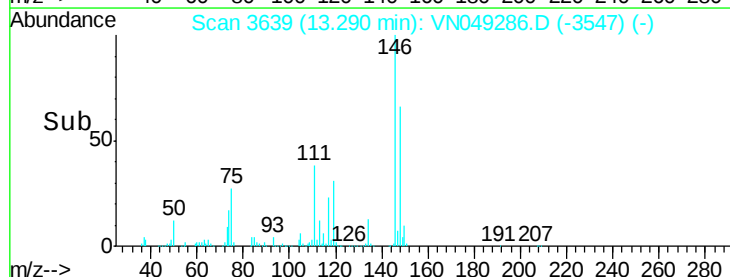
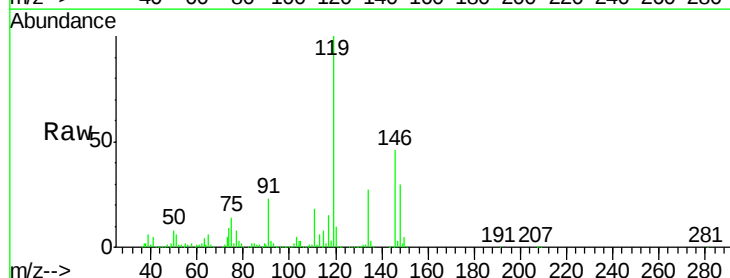
Tgt Ion:119 Resp: 1140733

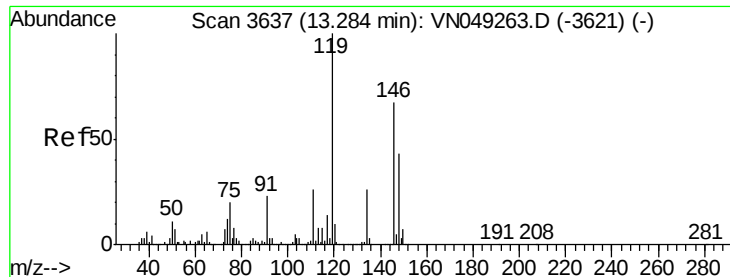
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 23.3 12.1 36.3

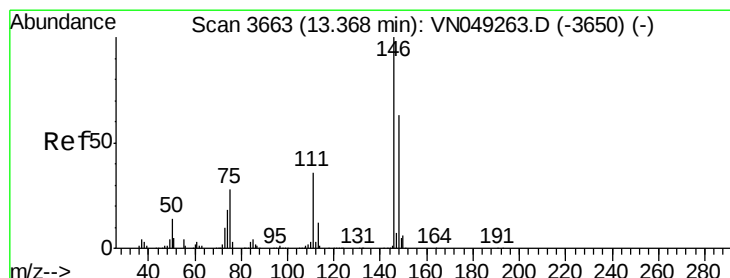
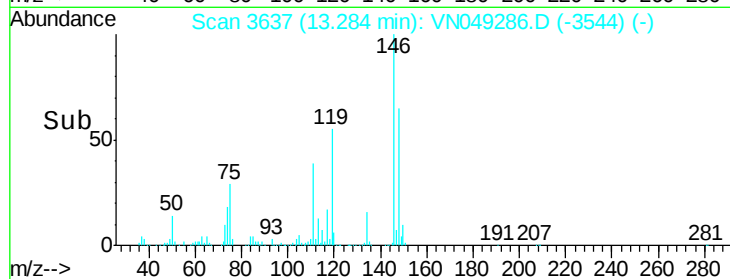
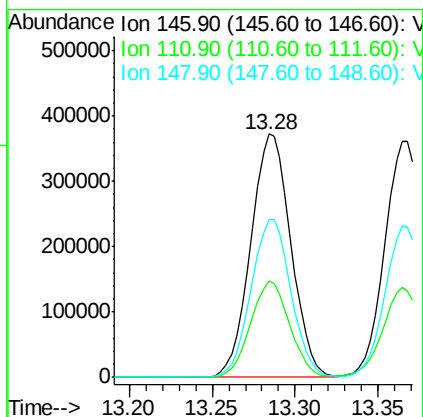
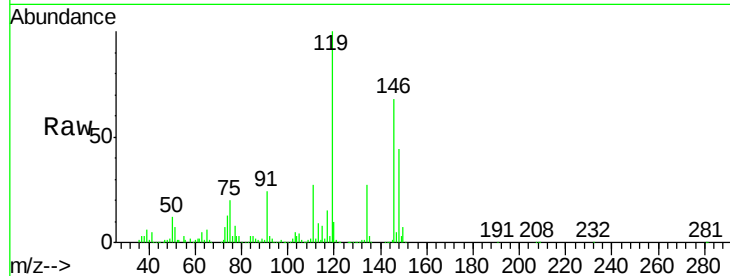




#87
 1,3-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

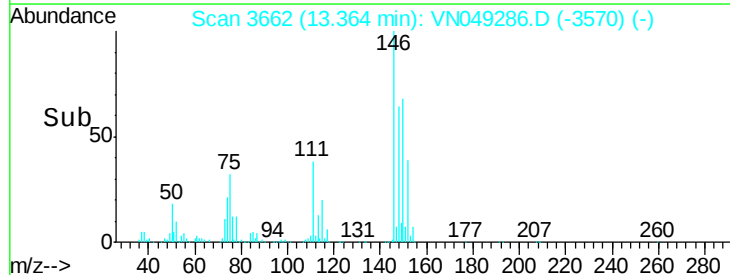
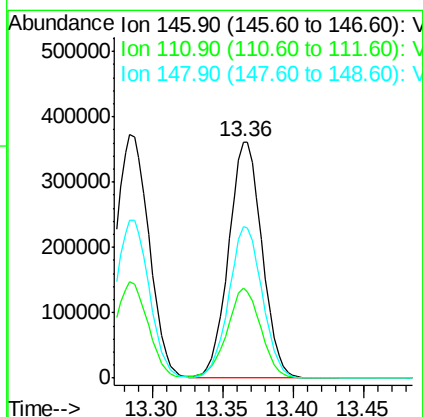
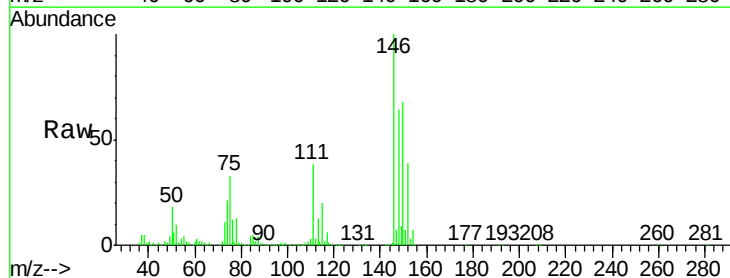
Instrument :
 MSVOA_N
 ClientSampled :

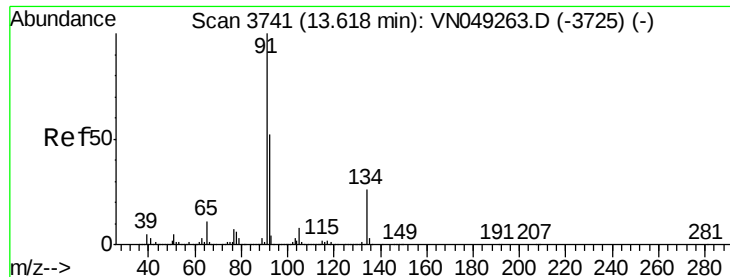
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	64.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 17.96 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.3	32.0	96.2

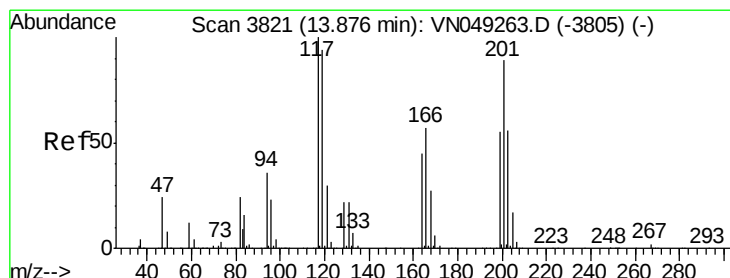
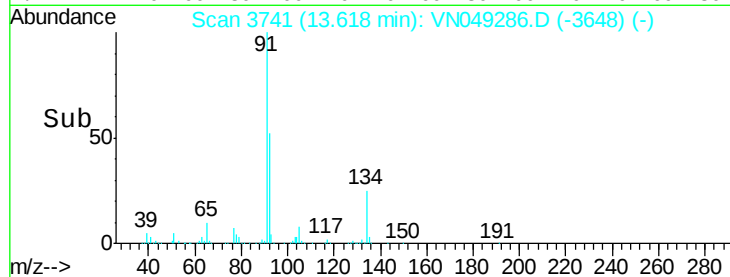
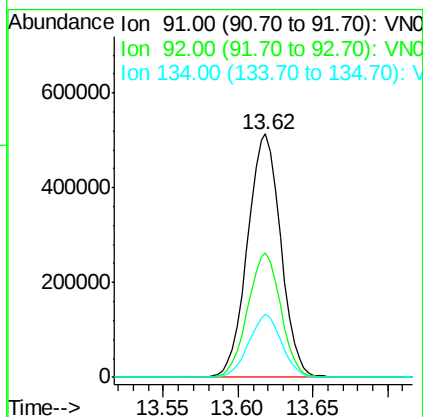
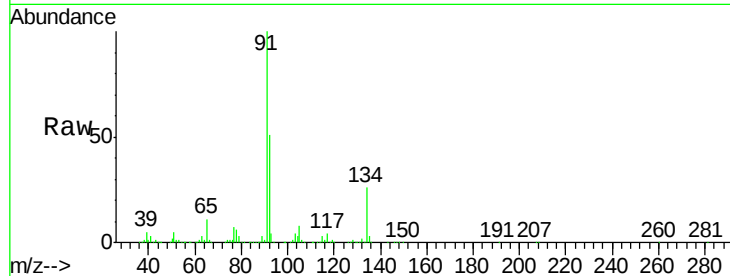




#89
n-Butylbenzene
Concen: 16.94 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

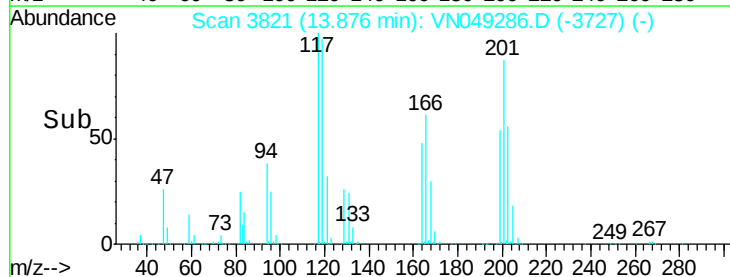
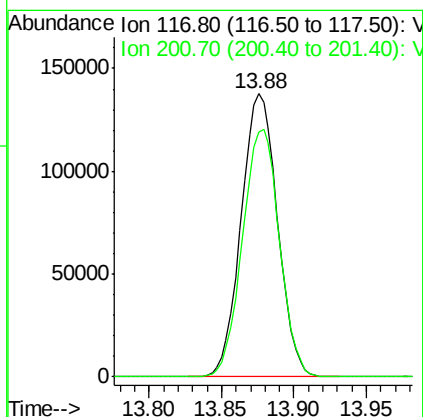
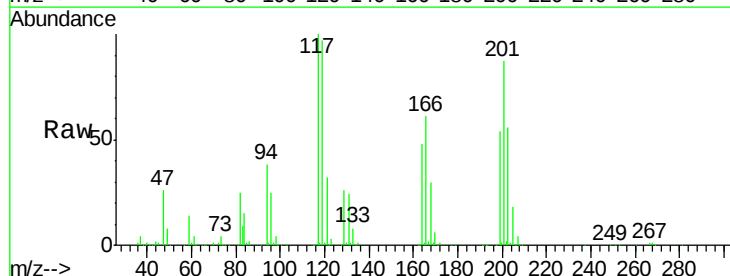
Instrument :
MSVOA_N
ClientSampleId :

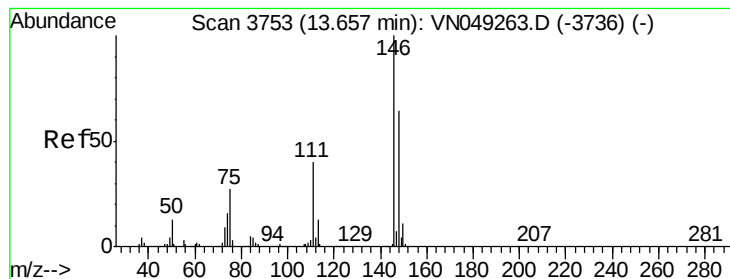
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.1	75.4
134	25.4	12.0	36.0



#90
Hexachloroethane
Concen: 20.17 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 18.75 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

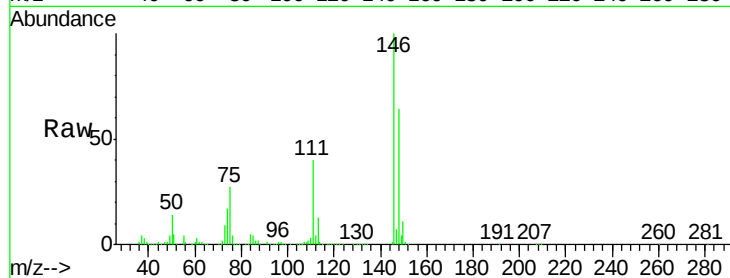
Tot Ion:146 Resp: 618931

Ion Ratio Lower Upper

146 100

111 39.9 20.8 62.2

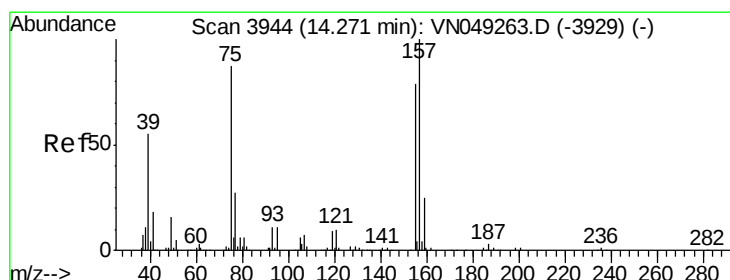
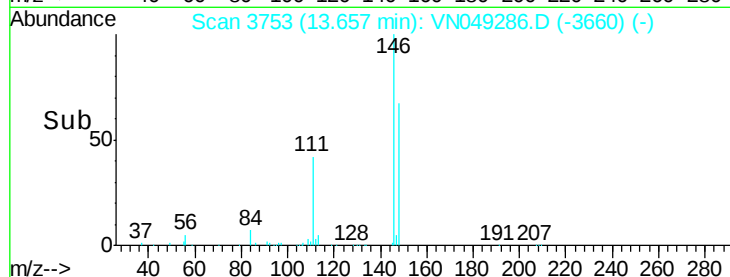
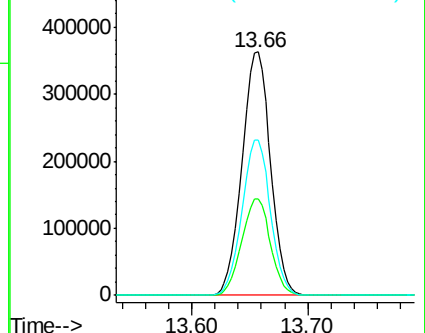
148 63.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.90 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

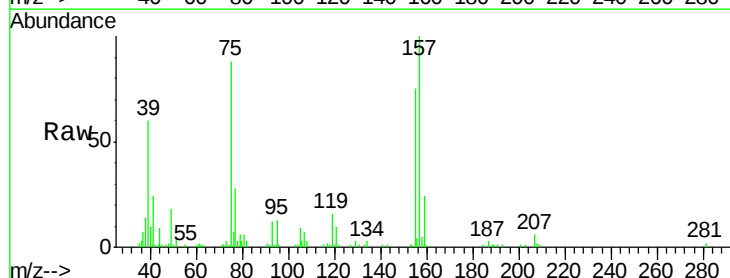
Tgt Ion: 75 Resp: 45574

Ion Ratio Lower Upper

75 100

155 87.5 38.8 116.3

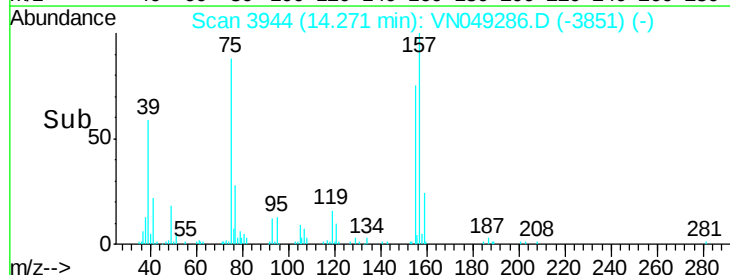
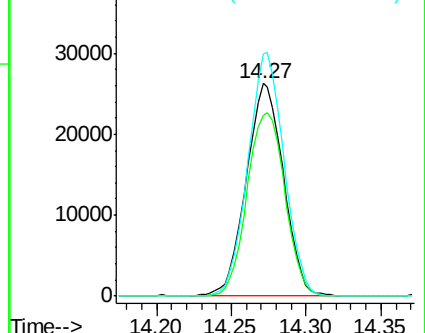
157 110.7 51.0 153.1

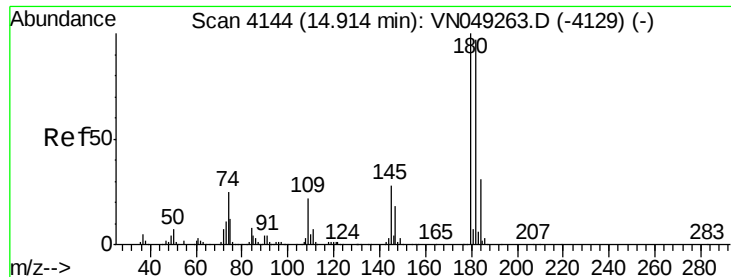


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

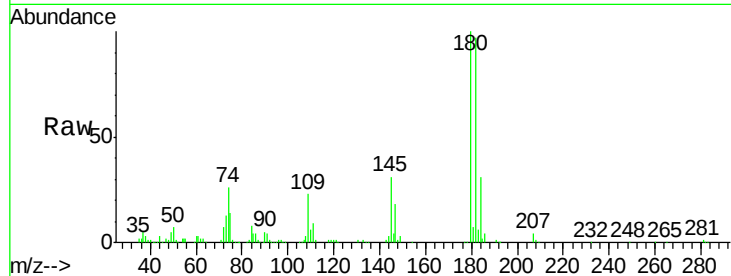




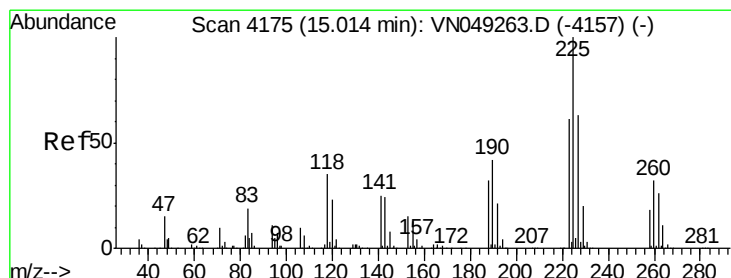
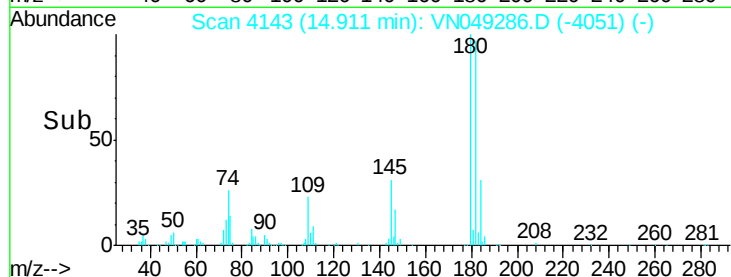
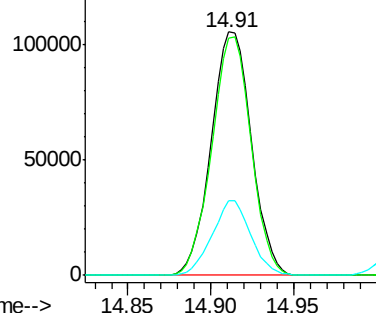
#93
 1,2,4-Trichlorobenzene
 Concen: 15.36 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 177450
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.9 140.8
 145 29.6 14.7 44.1

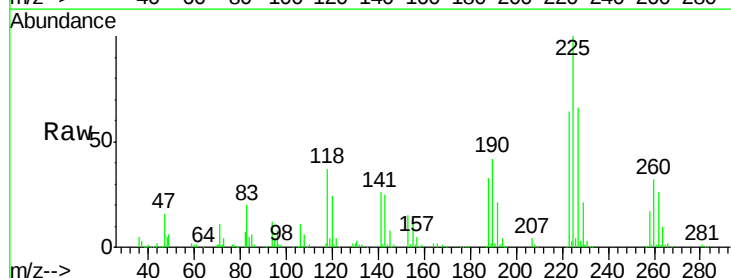


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

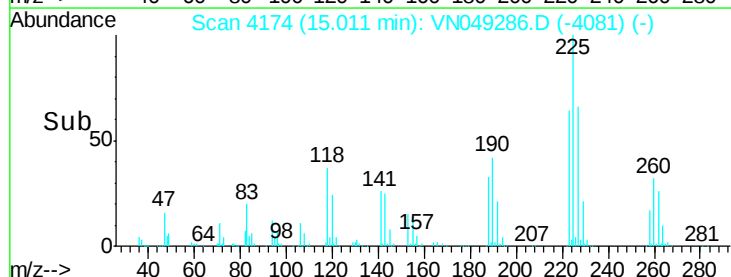
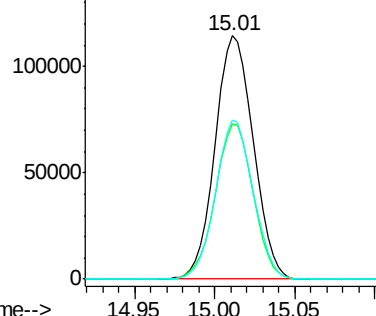


#94
 Hexachlorobutadiene
 Concen: 17.53 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion:225 Resp: 186330
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.1 96.3
 227 64.1 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.21 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampled :

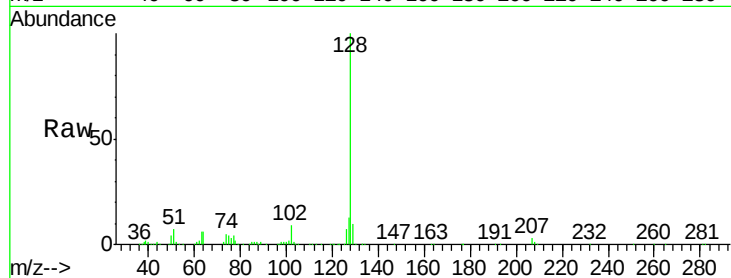
Tot Ion:128 Resp: 333551

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

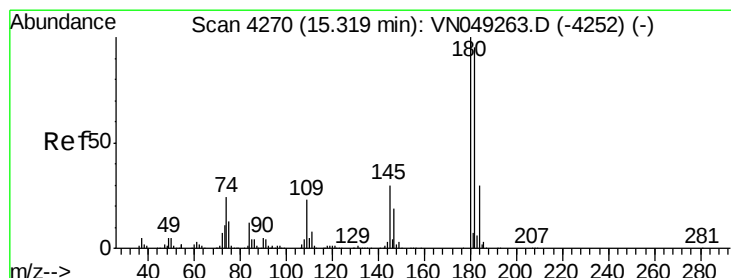
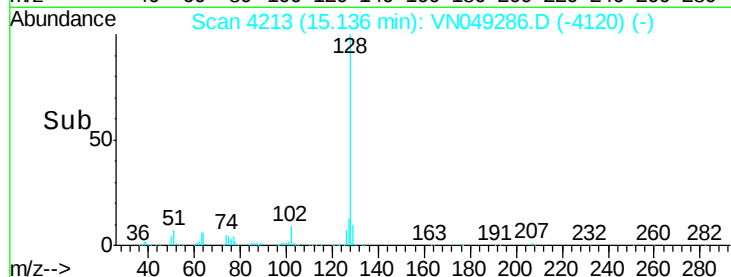
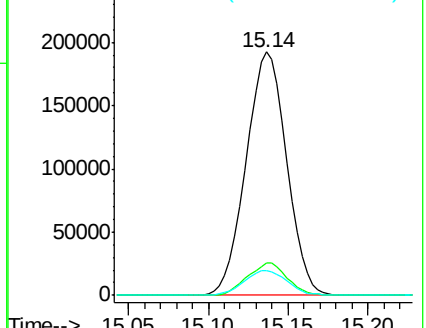
129 10.8 8.5 12.7



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: 16.17 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

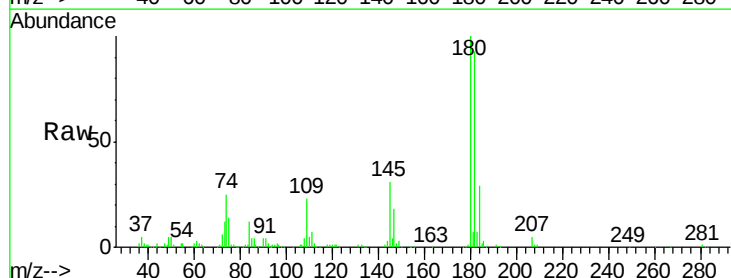
Tgt Ion:180 Resp: 201995

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 30.7 15.6 46.7



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

