

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049631.D
 Acq On : 29 Jun 2018 13:27
 Operator : MD\SY
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Jun 30 00:23:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1146629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1808198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1485284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	567204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	735878	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.59	113	651040	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	10.09	98	2428672	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.40	95	691561	38.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	4749	0.37	ug/l	94
3) Chloromethane	2.06	50	4734	0.29	ug/l #	72
4) Vinyl Chloride	2.18	62	5385	0.31	ug/l #	84
5) Bromomethane	2.57	94	2488	0.27	ug/l #	72
7) Trichlorofluoromethane	3.02	101	4805	0.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4333	0.30	ug/l #	29
10) Methyl Iodide	3.96	142	5478	0.31	ug/l #	59
11) Tert butyl alcohol	4.79	59	244	0.28	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	4811	0.36	ug/l #	68
13) Acrolein	3.61	56	4264	5.25	ug/l #	66
14) Allyl chloride	4.31	41	4371	0.24	ug/l #	49
15) Acrylonitrile	5.00	53	5560	1.24	ug/l #	59
16) Acetone	3.82	43	28708	7.65	ug/l	96
17) Carbon Disulfide	4.05	76	66128	1.62	ug/l #	94
18) Methyl Acetate	4.34	43	69912	3.06	ug/l #	73
20) Methylene Chloride	4.55	84	4930	0.32	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	9872	0.71	ug/l	93
25) 2-Butanone	6.85	43	3477	0.69	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	4910	0.32	ug/l	46
28) Bromochloromethane	7.20	49	2544	0.23	ug/l #	99
29) Tetrahydrofuran	7.22	42	1304	0.41	ug/l #	33
31) Cyclohexane	7.67	56	24970	0.96	ug/l #	9
36) 1,1-Dichloropropene	7.79	75	8714	0.43	ug/l #	82
38) Carbon Tetrachloride	7.67	117	103838	5.25	ug/l #	17
39) Methylcyclohexane	9.08	83	8565	0.38	ug/l	92
40) Benzene	8.04	78	13099	0.21	ug/l	96
43) Isopropyl Acetate	8.22	43	83956	2.99	ug/l #	62
44) Trichloroethene	8.84	130	6837	0.36	ug/l	95
46) Dibromomethane	9.21	93	2922	0.30	ug/l	91
48) Methyl methacrylate	9.20	41	2610	0.25	ug/l #	56
49) 1,4-Dioxane	9.20	88	568	4.01	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	10301	0.89	ug/l	95
52) Toluene	10.16	92	9995	0.27	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	5640	0.28	ug/l #	38

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

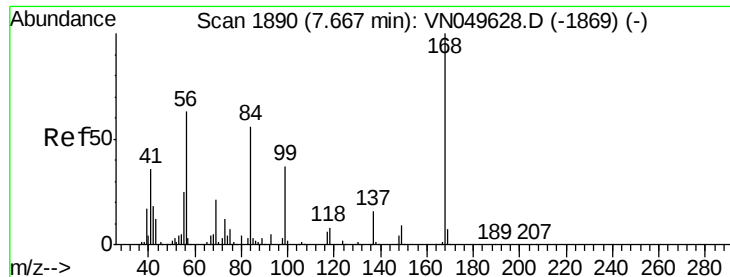
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Jun 30 00:23:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
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 Response via : Initial Calibration

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

55) 1,1,2-Trichloroethane	10.57	97	2984	0.21	ug/l #	86
56) Ethyl methacrylate	10.43	69	3615	0.22	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.70	63	2440	0.32	ug/l #	75
59) 2-Hexanone	10.76	43	16756	2.18	ug/l	85
61) 1,2-Dibromoethane	11.01	107	2826	0.21	ug/l	96
64) Tetrachloroethene	10.63	164	8387	0.42	ug/l	94
65) Chlorobenzene	11.44	112	18048	0.47	ug/l	100
67) Ethyl Benzene	11.51	91	18922	0.30	ug/l	97
68) m/p-Xylenes	11.62	106	14446	0.59	ug/l	99
69) o-Xylene	11.95	106	5657	0.24	ug/l	97
70) Styrene	11.97	104	13440	0.35	ug/l	91
73) Isopropylbenzene	12.25	105	14625	0.32	ug/l	100
74) N-amyl acetate	12.08	43	7817	0.63	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	3741	0.35	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	333409	33.86	ug/l #	100
77) Bromobenzene	12.53	156	10368	0.84	ug/l	86
78) n-propylbenzene	12.59	91	30700	0.59	ug/l	99
79) 2-Chlorotoluene	12.68	91	17858	0.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	14859	0.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	333409	124.48	ug/l #	13
82) 4-Chlorotoluene	12.78	91	28558	0.87	ug/l	95
83) tert-Butylbenzene	13.00	119	12921	0.40	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	20423	0.53	ug/l	89
85) sec-Butylbenzene	13.17	105	20359	0.48	ug/l	95
86) p-Isopropyltoluene	13.29	119	18780	0.51	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	23753	1.05	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	23753	1.05	ug/l	98
89) n-Butylbenzene	13.62	91	25282	0.80	ug/l	95
90) Hexachloroethane	13.87	117	1062	0.27	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	24716	1.12	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2960	1.59	ug/l	75
93) 1,2,4-Trichlorobenzene	14.91	180	28871	2.84	ug/l	98
94) Hexachlorobutadiene	15.02	225	20748	2.95	ug/l	98
95) Naphthalene	15.14	128	77477	3.56	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	37474	3.59	ug/l	98

(#) = 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: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

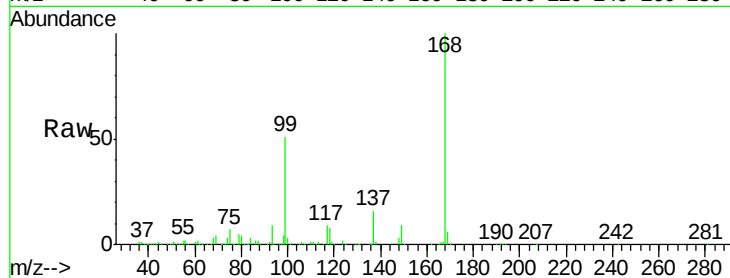
I.BLK

Tot Ion:168 Resp: 1146629

Ion Ratio Lower Upper

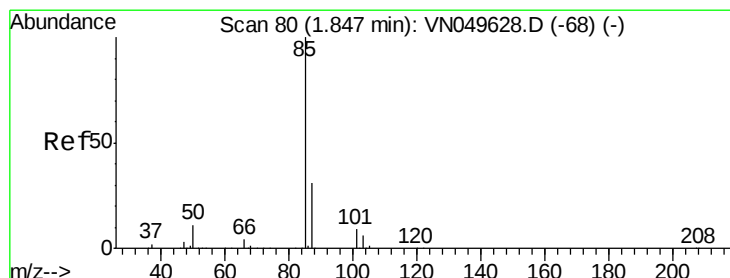
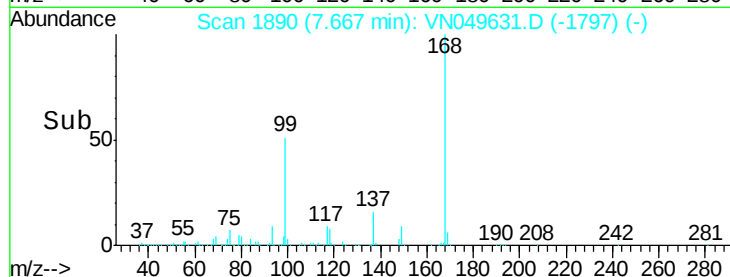
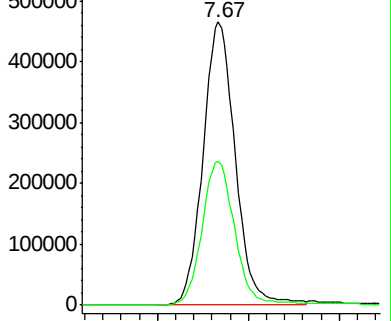
168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.37 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049631.D

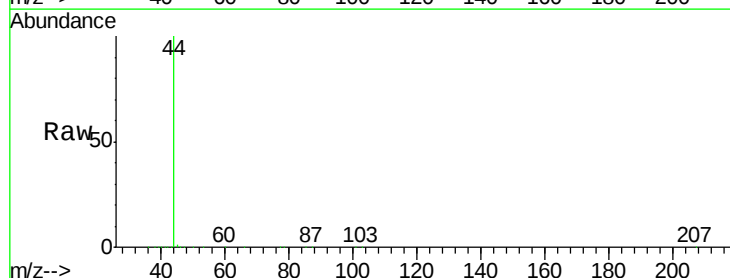
Acq: 29 Jun 2018 13:27

Tgt Ion: 85 Resp: 4749

Ion Ratio Lower Upper

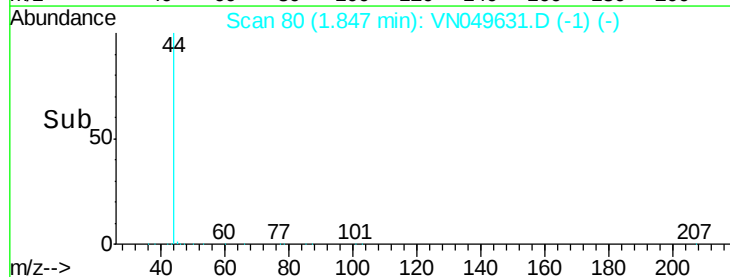
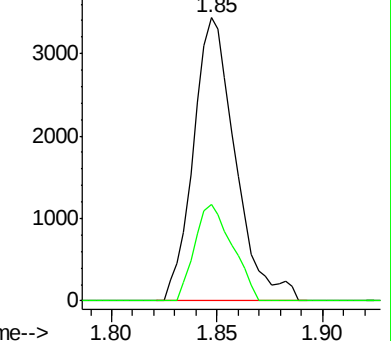
85 100

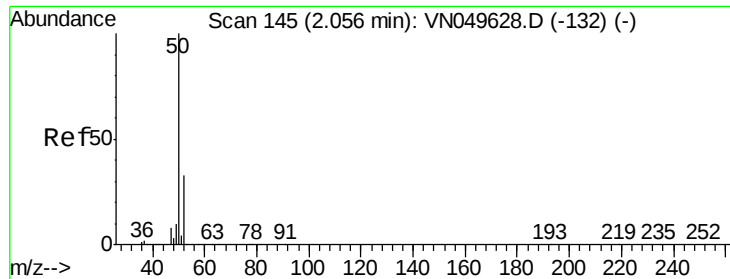
87 34.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.29 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

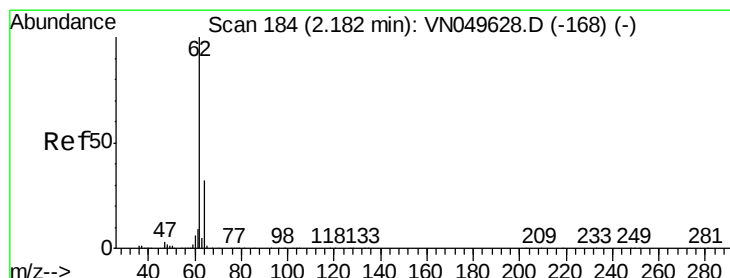
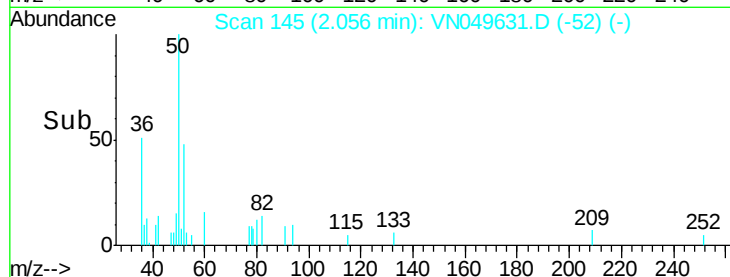
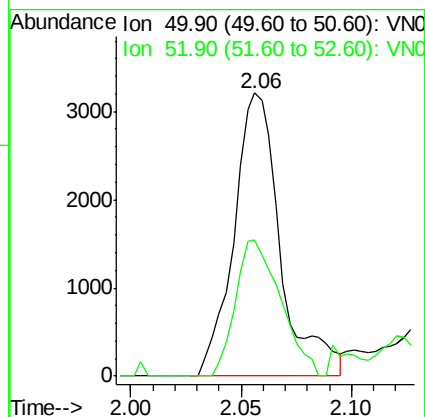
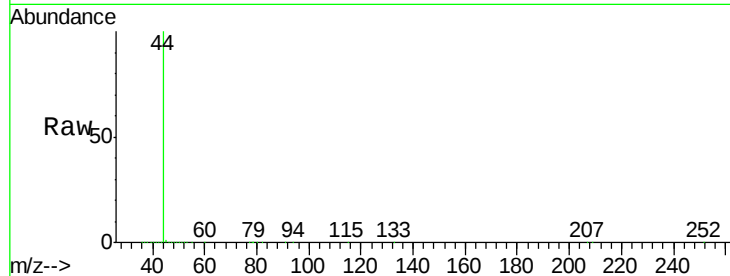
I.BLK

Tot Ion: 50 Resp: 4734

Ion Ratio Lower Upper

50 100

52 48.3 26.1 39.1#



#4

Vinyl Chloride

Concen: 0.31 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049631.D

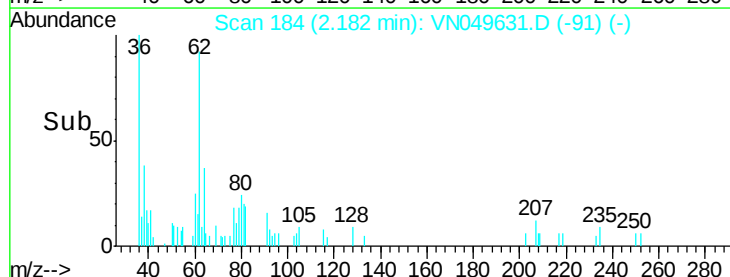
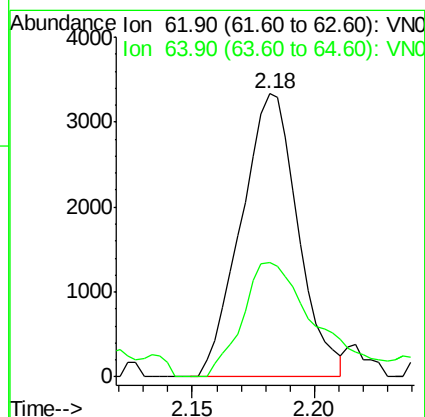
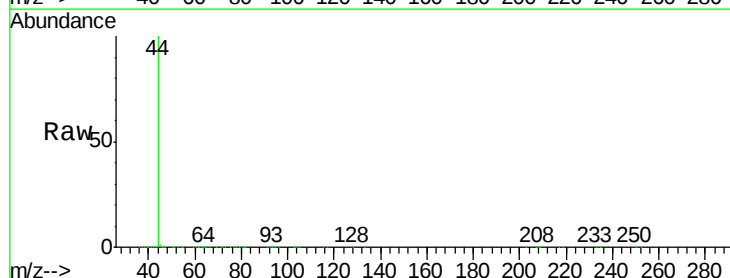
Acq: 29 Jun 2018 13:27

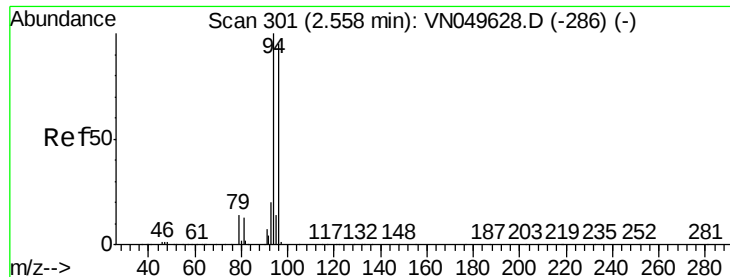
Tgt Ion: 62 Resp: 5385

Ion Ratio Lower Upper

62 100

64 40.6 25.4 38.0#





#5

Bromomethane

Concen: 0.27 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

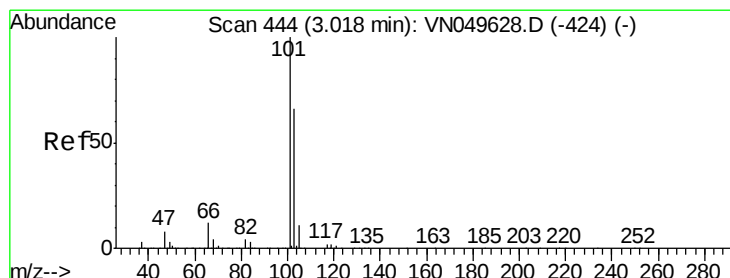
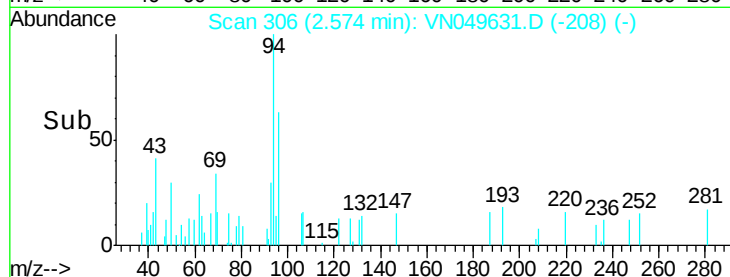
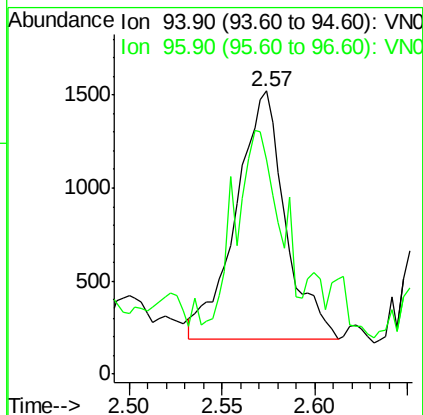
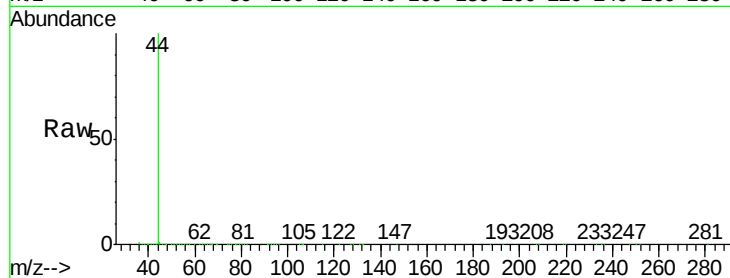
I.BLK

Tot Ion: 94 Resp: 2488

Ion Ratio Lower Upper

94 100

96 67.3 75.7 113.5#



#7

Trichlorofluoromethane

Concen: 0.24 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.01 min

Lab File: VN049631.D

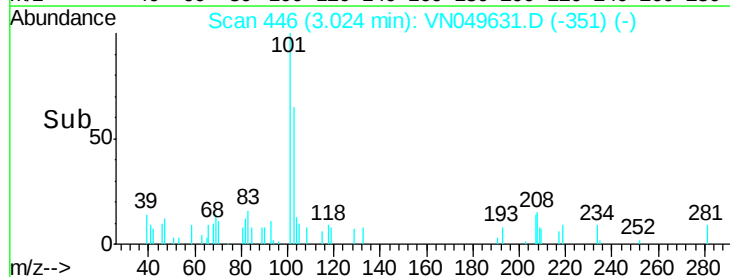
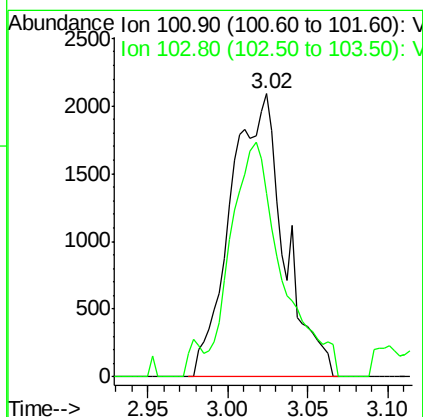
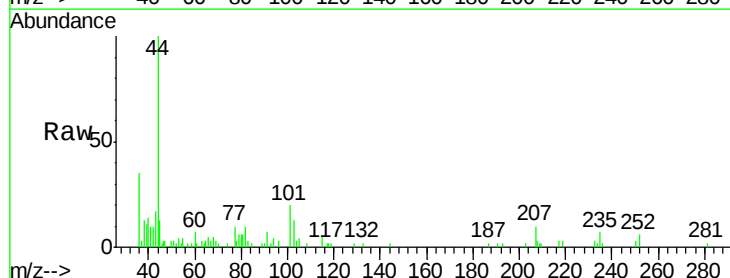
Acq: 29 Jun 2018 13:27

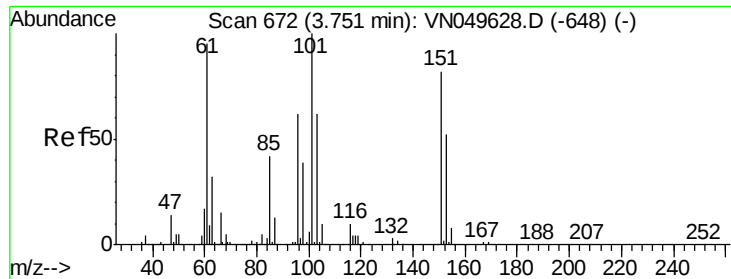
Tgt Ion:101 Resp: 4805

Ion Ratio Lower Upper

101 100

103 64.7 52.8 79.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.30 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

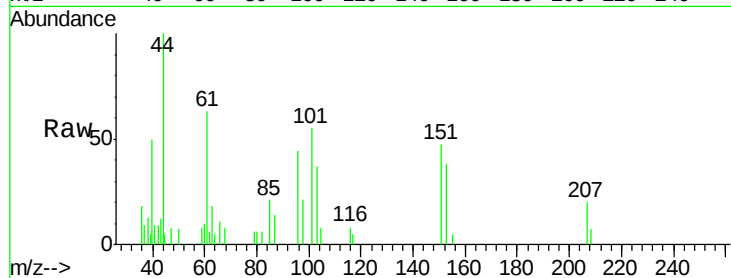
Tot Ion:101 Resp: 4333

Ion Ratio Lower Upper

101 100

85 24.0 34.4 51.6#

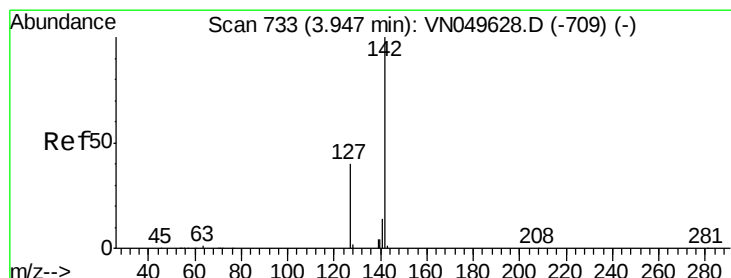
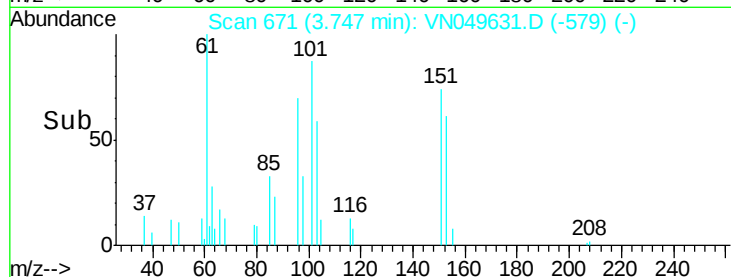
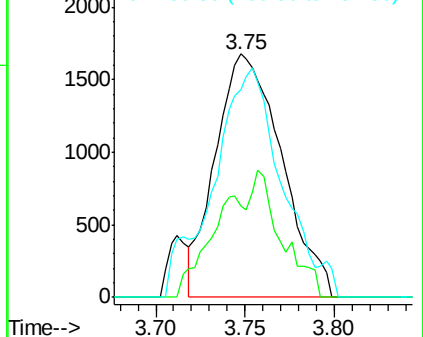
151 0.0 66.2 99.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.31 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

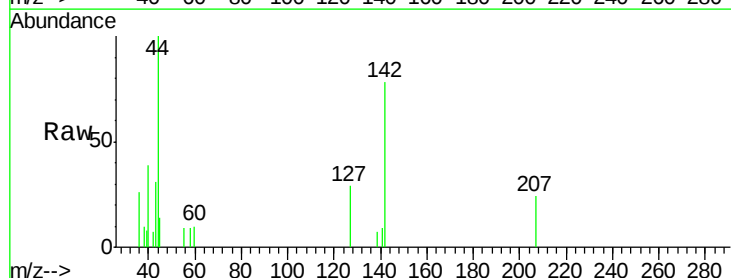
Tgt Ion:142 Resp: 5478

Ion Ratio Lower Upper

142 100

127 13.6 32.5 48.7#

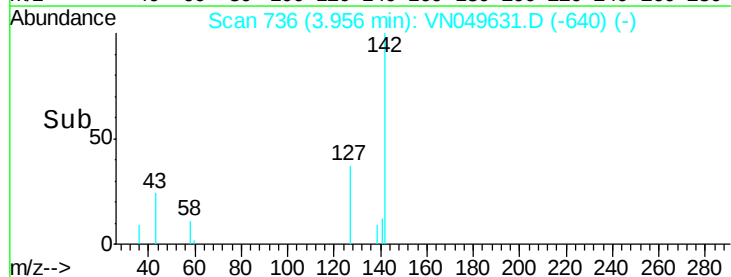
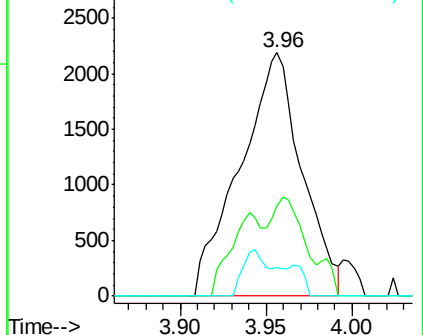
141 0.0 11.1 16.7#

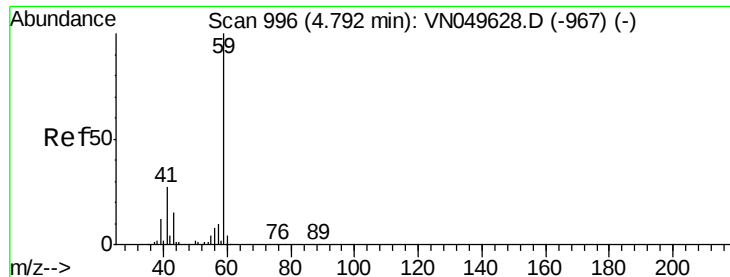


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



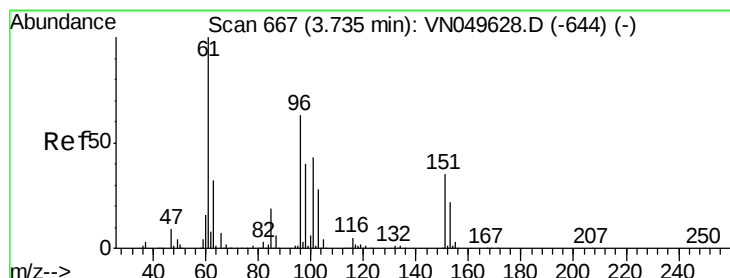
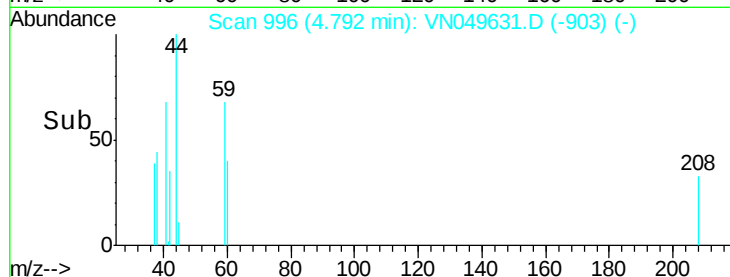
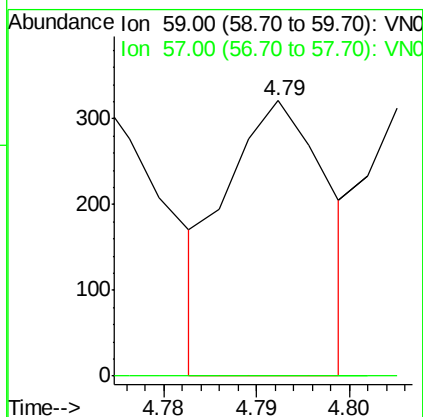
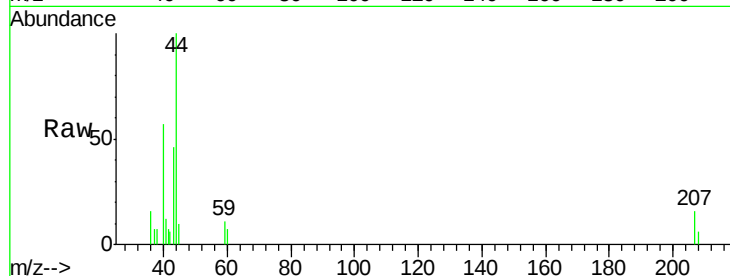


#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
I.BLK

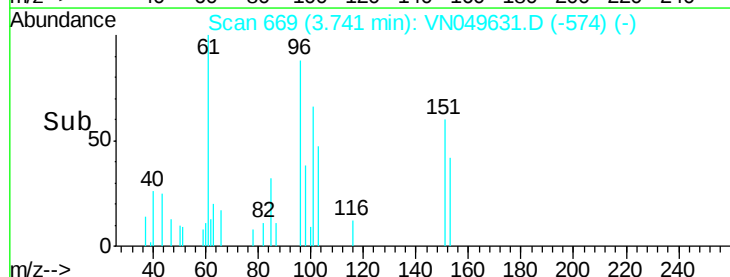
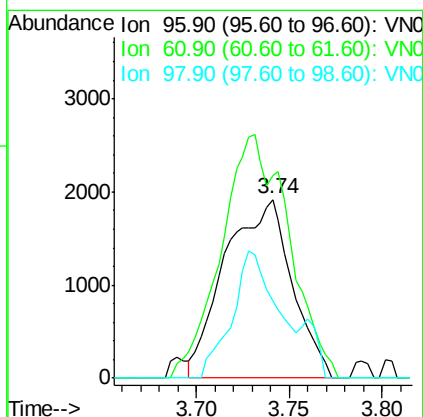
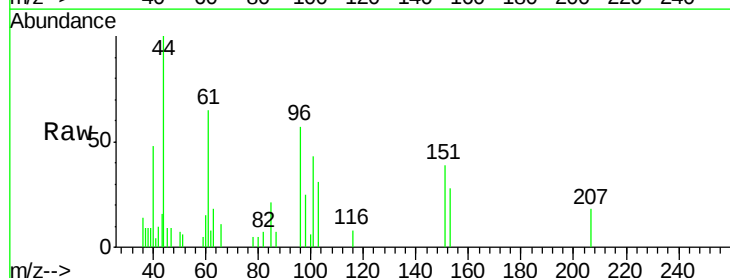
Tot Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

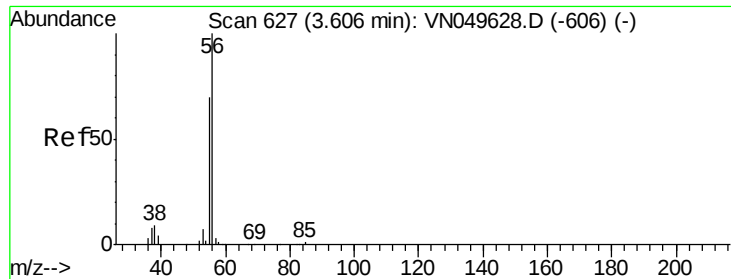


#12

1,1-Dichloroethene
Concen: 0.36 ug/l
RT: 3.74 min Scan# 669
Delta R.T. 0.01 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion: 96 Resp: 4811
Ion Ratio Lower Upper
96 100
61 113.8 126.5 189.7#
98 43.4 51.0 76.6#





#13

Acrolein

Concen: 5.25 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

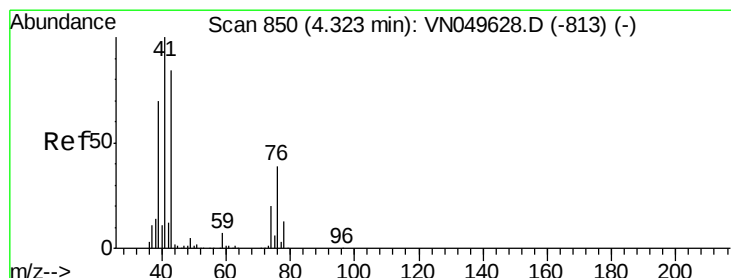
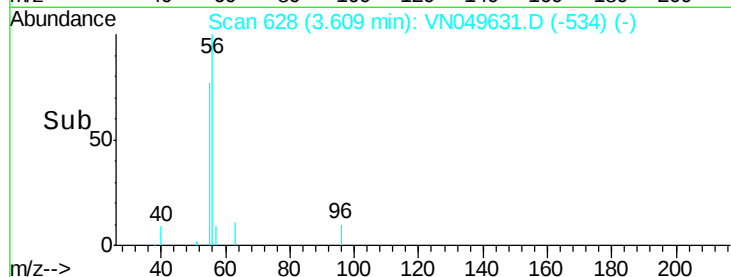
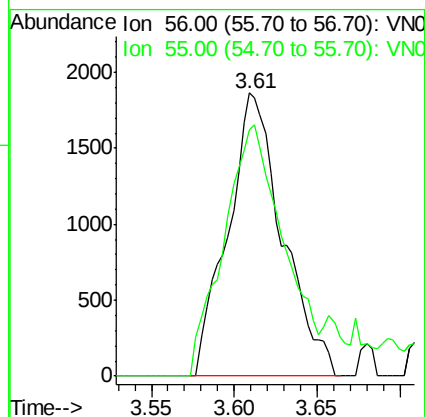
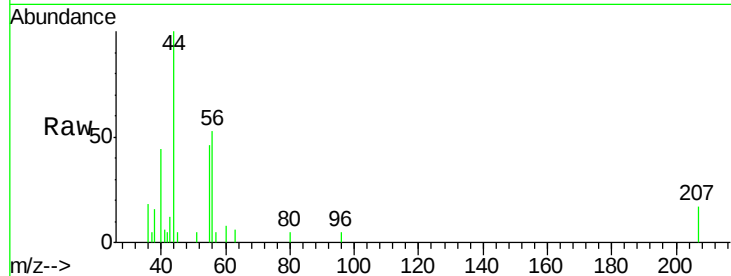
I.BLK

Tot Ion: 56 Resp: 4264

Ion Ratio Lower Upper

56 100

55 97.4 55.8 83.8#



#14

Allyl chloride

Concen: 0.24 ug/l

RT: 4.31 min Scan# 847

Delta R.T. -0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

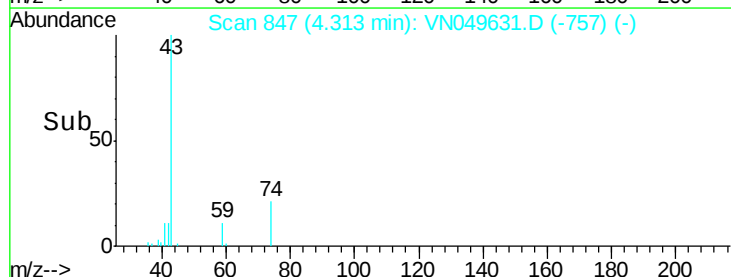
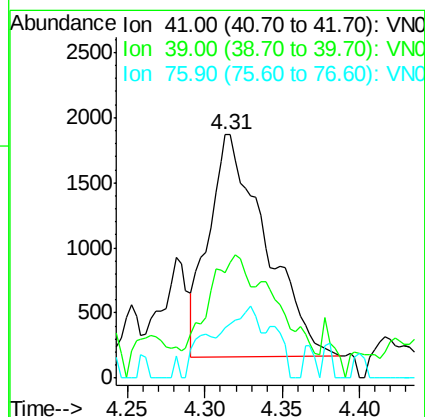
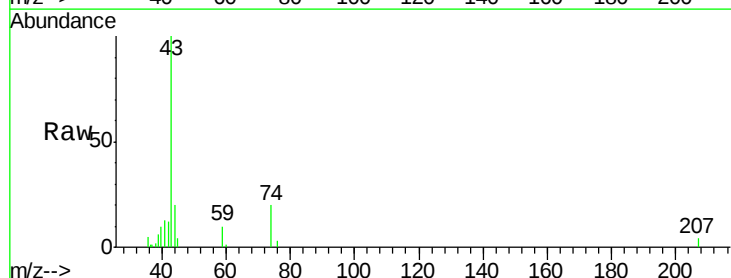
Tgt Ion: 41 Resp: 4371

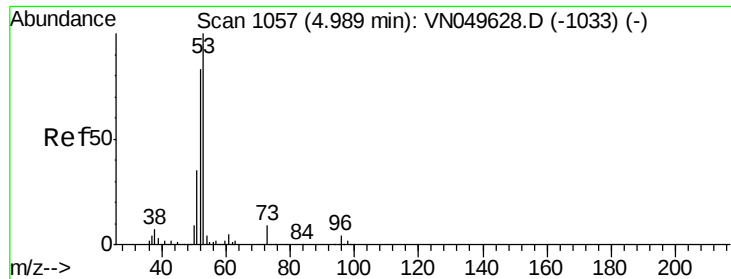
Ion Ratio Lower Upper

41 100

39 30.3 53.2 79.8#

76 0.0 29.0 43.6#





#15

Acrylonitrile

Concen: 1.24 ug/l

RT: 5.00 min Scan# 1062

Delta R.T. 0.02 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

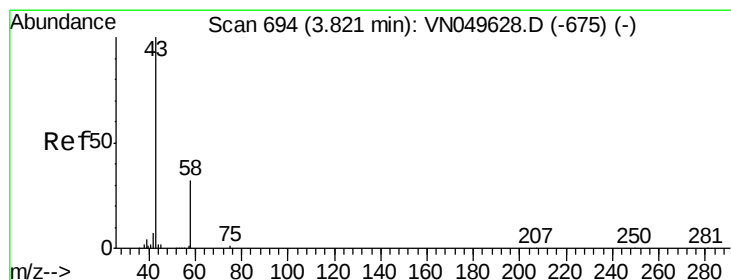
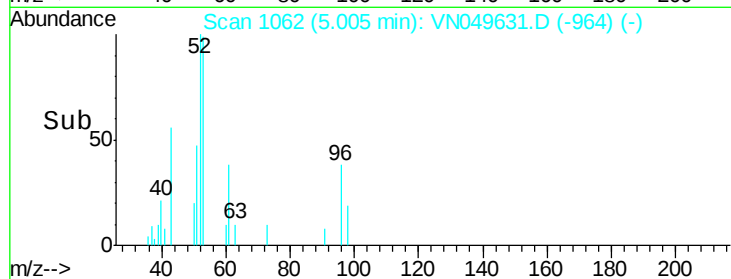
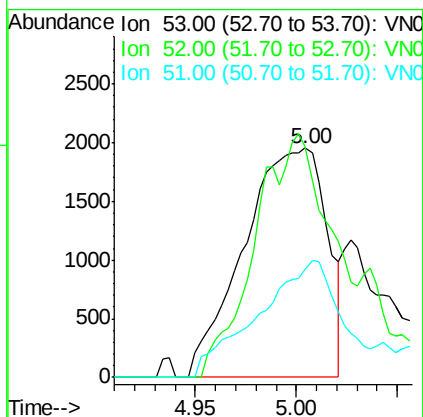
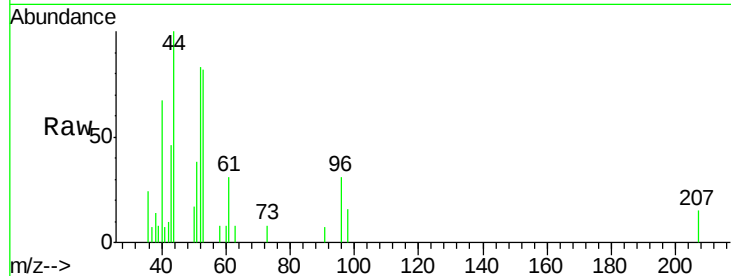
Tot Ion: 53 Resp: 5560

Ion Ratio Lower Upper

53 100

52 38.5 64.8 97.2#

51 50.7 28.9 43.3#



#16

Acetone

Concen: 7.65 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN049631.D

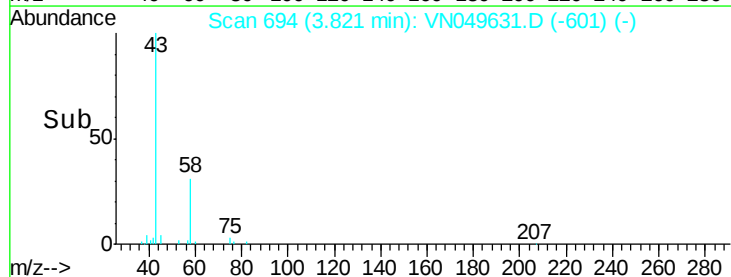
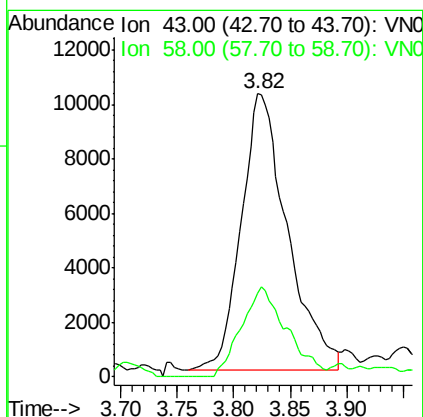
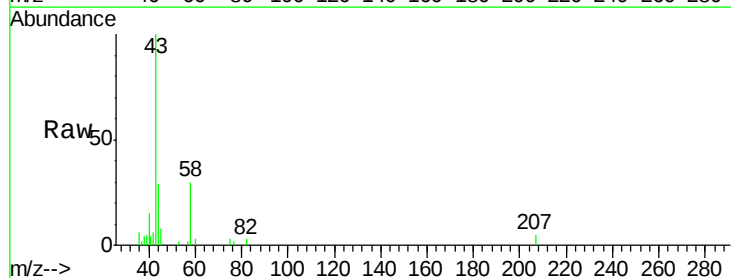
Acq: 29 Jun 2018 13:27

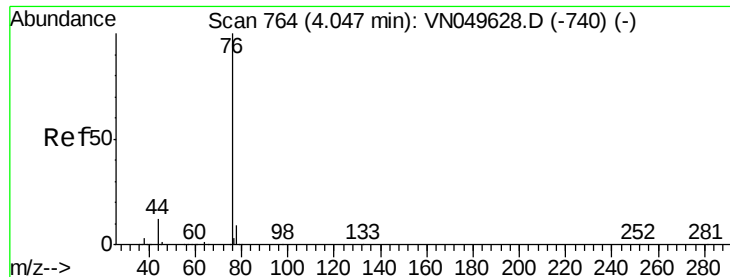
Tgt Ion: 43 Resp: 28708

Ion Ratio Lower Upper

43 100

58 30.4 25.9 38.9





#17

Carbon Disulfide

Concen: 1.62 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

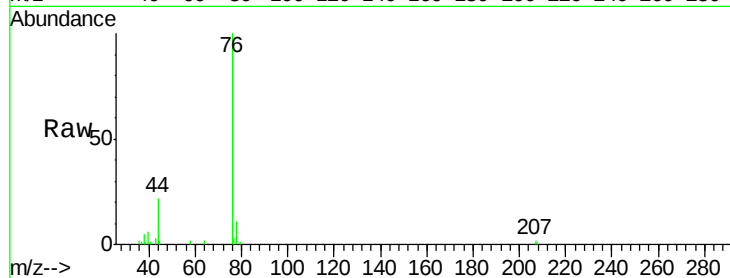
I.BLK

Tot Ion: 76 Resp: 66128

Ion Ratio Lower Upper

76 100

78 11.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

25000

20000

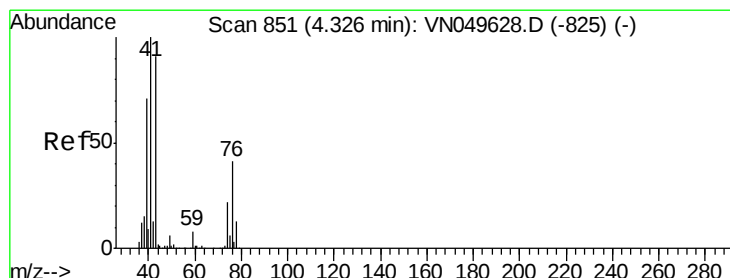
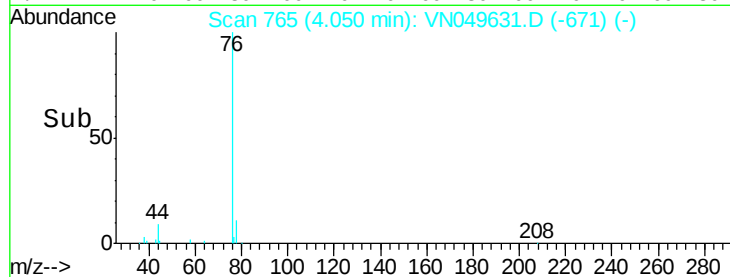
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 3.06 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049631.D

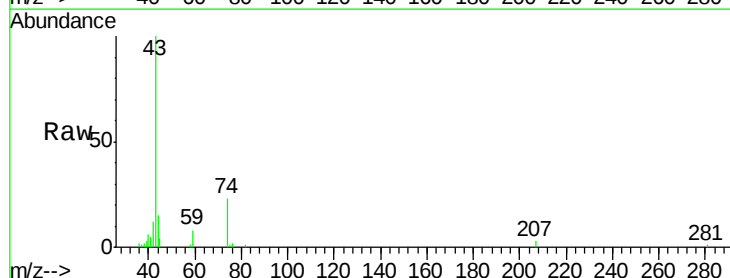
Acq: 29 Jun 2018 13:27

Tgt Ion: 43 Resp: 69912

Ion Ratio Lower Upper

43 100

74 11.5 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.34

25000

20000

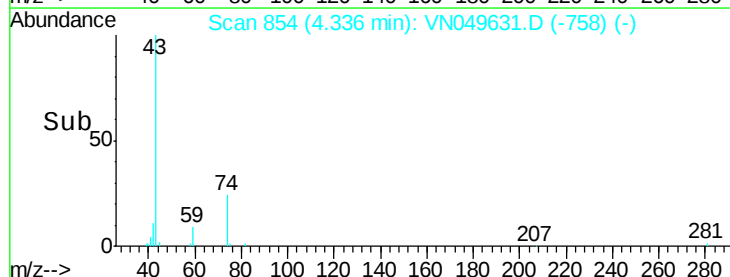
15000

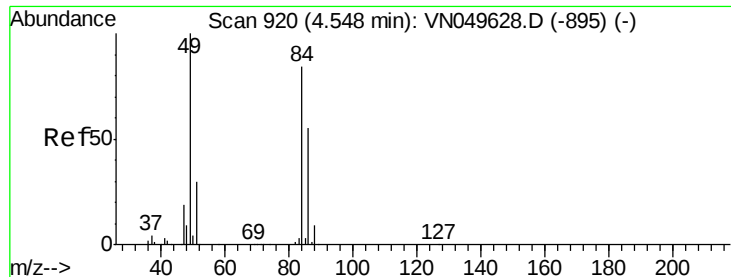
10000

5000

0

Time-->

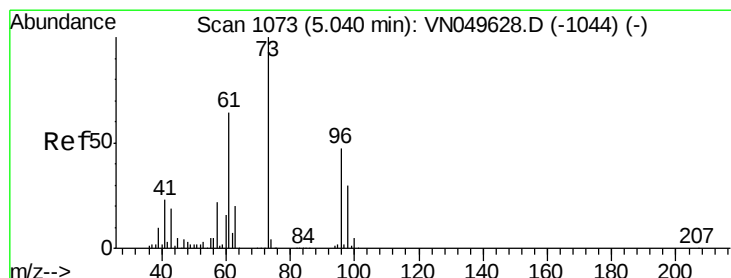
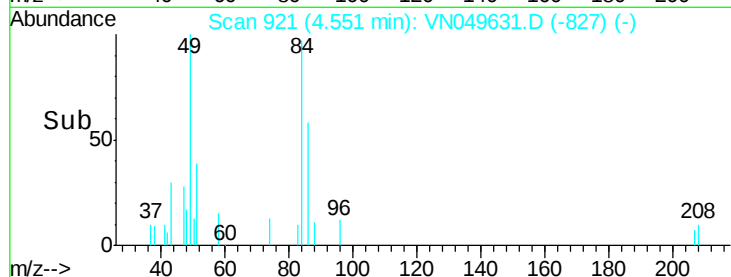
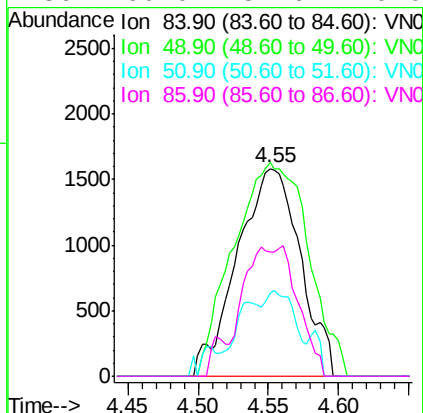
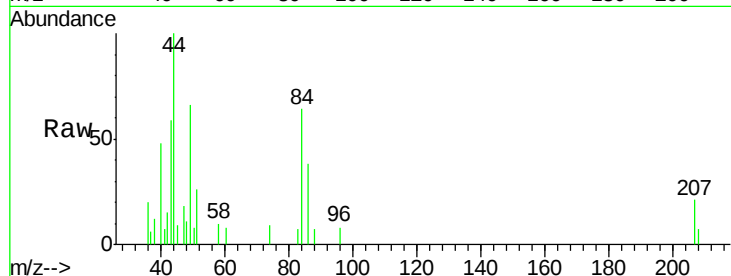




#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

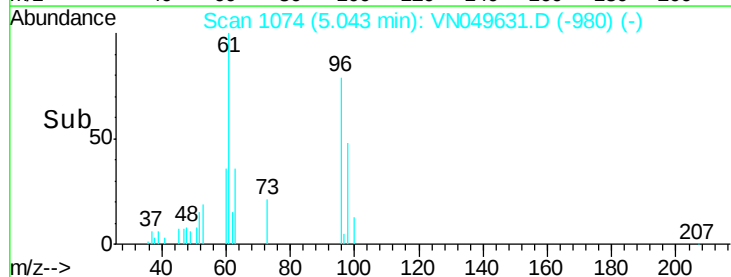
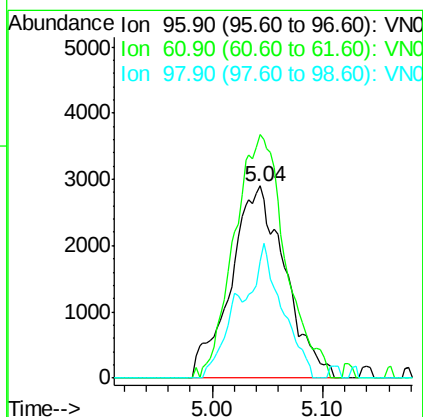
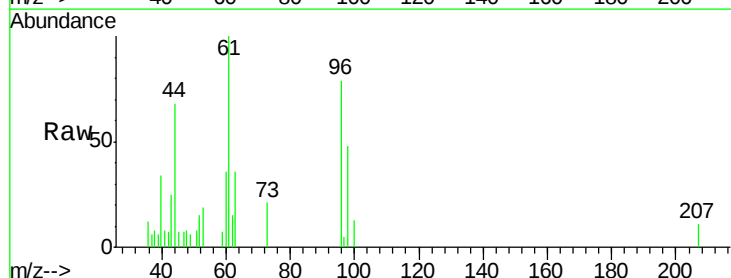
Instrument :
MSVOA_N
ClientSampled :
I.BLK

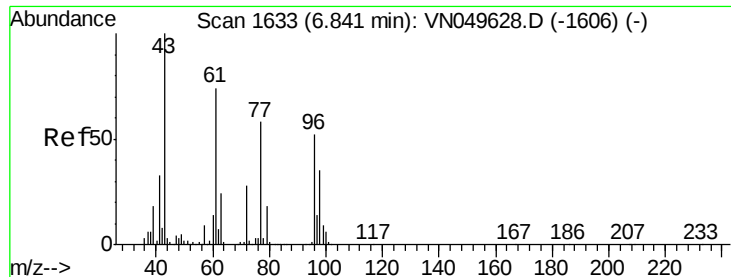
Tot Ion:	84	Resp:	4930
Ion	Ratio	Lower	Upper
84	100		
49	102.8	95.4	143.2
51	40.3	28.4	42.6
86	60.0	52.6	79.0



#21
trans-1,2-Dichloroethene
Concen: 0.71 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion:	96	Resp:	9872
Ion	Ratio	Lower	Upper
96	100		
61	126.9	109.0	163.6
98	60.9	51.1	76.7

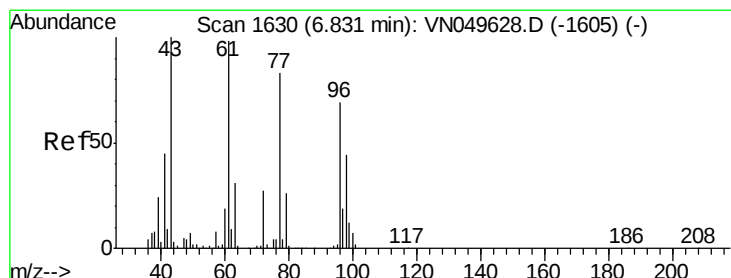
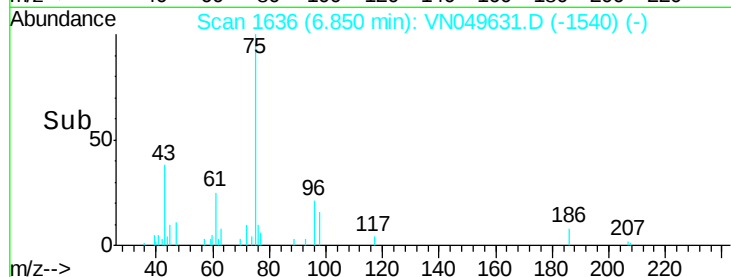
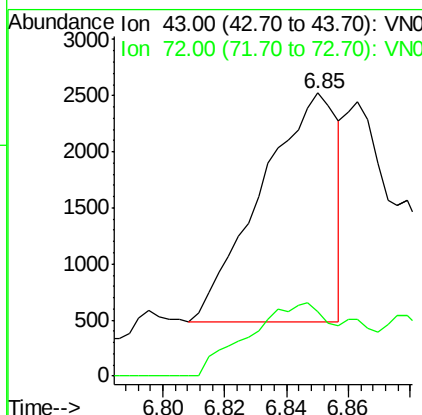
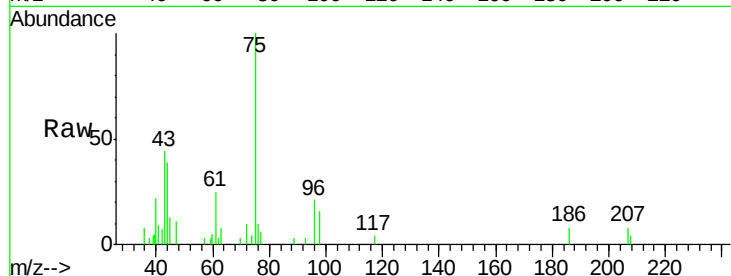




#25
 2-Butanone
 Concen: 0.69 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VN049631.D
 Acq: 29 Jun 2018 13:27

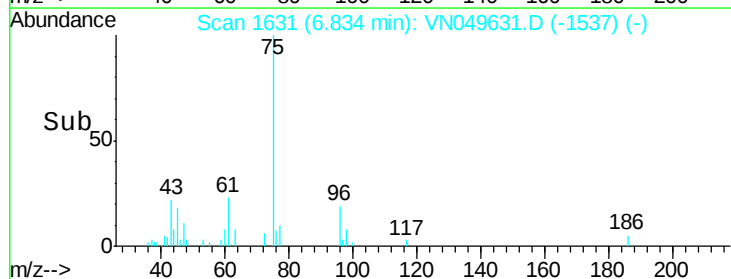
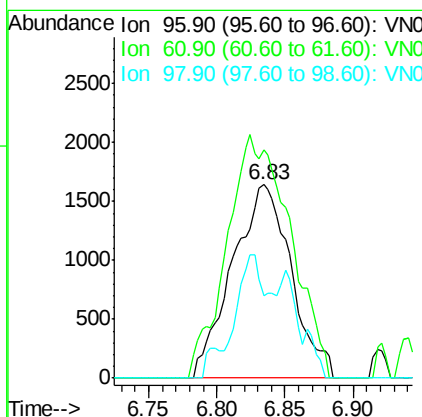
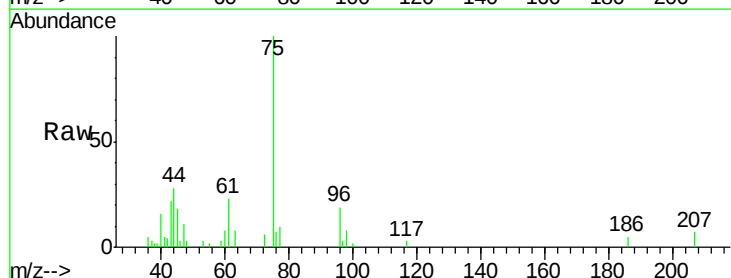
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

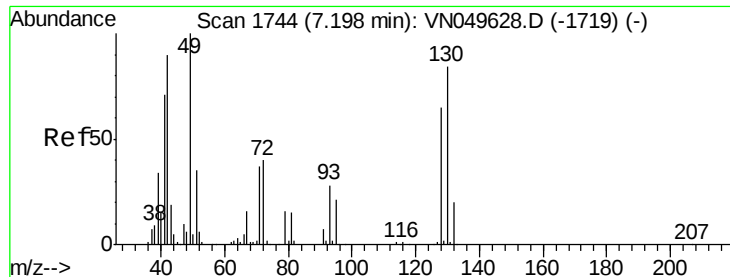
Tot Ion: 43 Resp: 3477
 Ion Ratio Lower Upper
 43 100
 72 28.1 22.1 33.1



#27
 cis-1,2-Dichloroethene
 Concen: 0.32 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049631.D
 Acq: 29 Jun 2018 13:27

Tgt Ion: 96 Resp: 4910
 Ion Ratio Lower Upper
 96 100
 61 70.3 0.0 289.0
 98 31.9 0.0 130.2





#28

Bromochloromethane

Concen: 0.23 ug/l

RT: 7.20 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

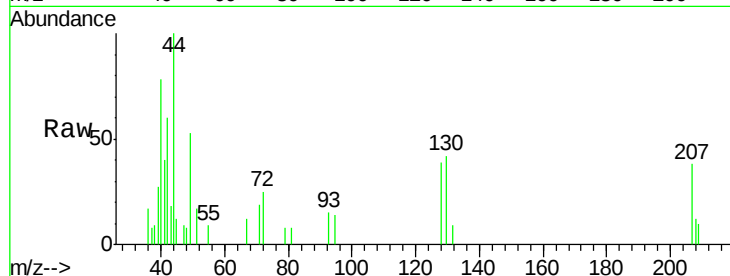
Tot Ion: 49 Resp: 2544

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

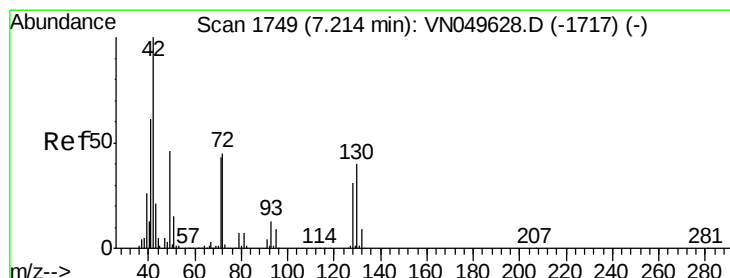
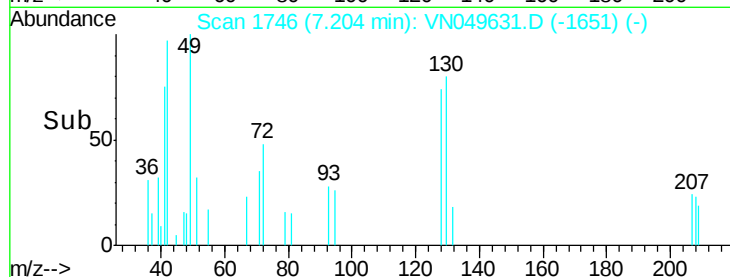
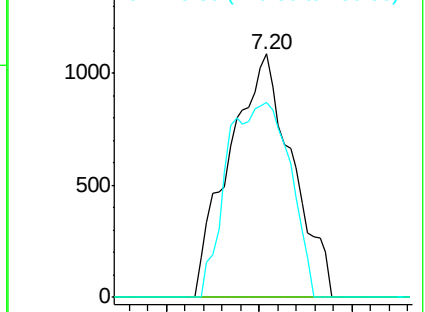
130 81.0 65.5 98.3



Abundance Ion 48.90 (48.60 to 49.60): VN049631.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049631.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049631.D (-1651) (-)



#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

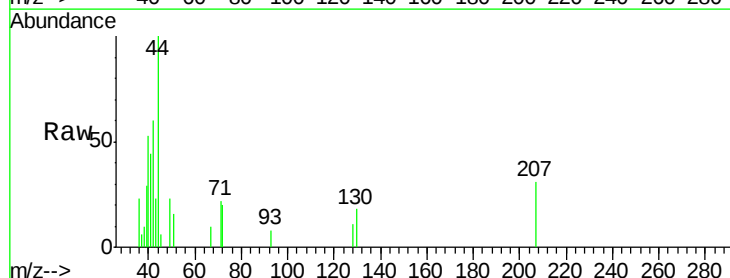
Tgt Ion: 42 Resp: 1304

Ion Ratio Lower Upper

42 100

72 40.6 35.6 53.4

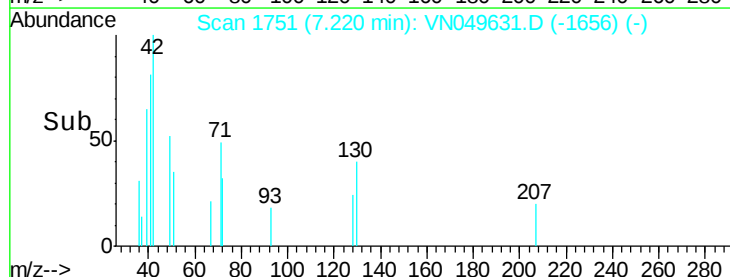
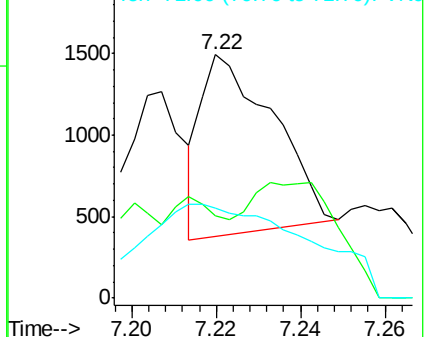
71 125.5 34.0 51.0#

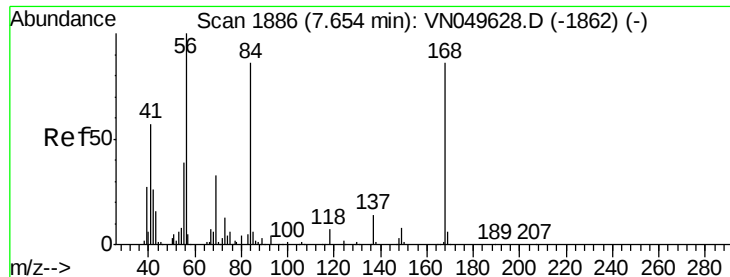


Abundance Ion 42.00 (41.70 to 42.70): VN049631.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN049631.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN049631.D (-1656) (-)

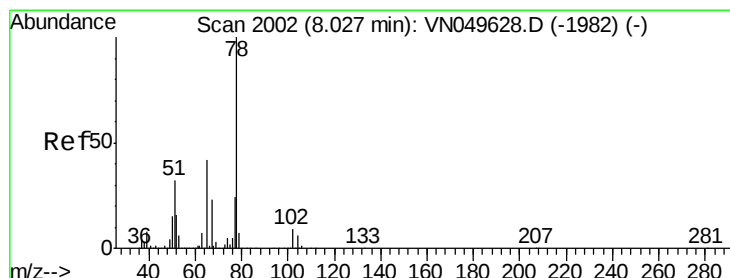
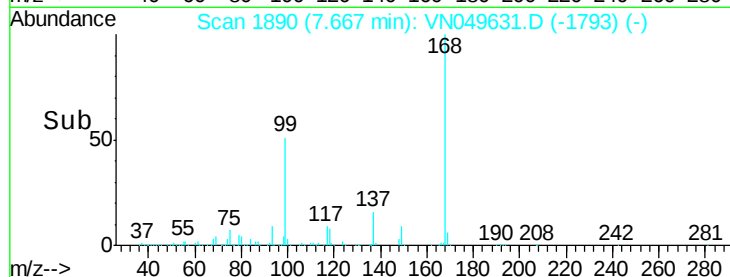
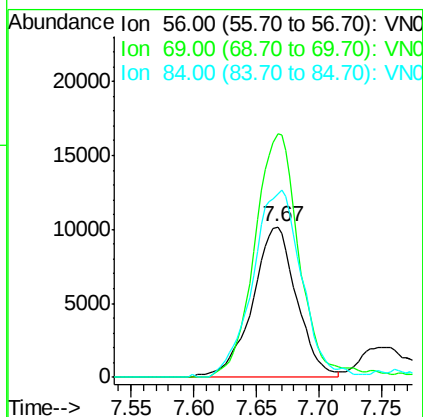
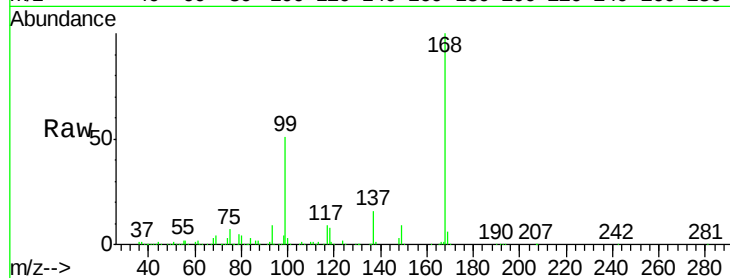




#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

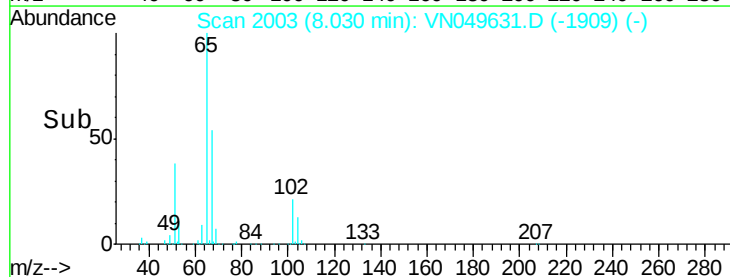
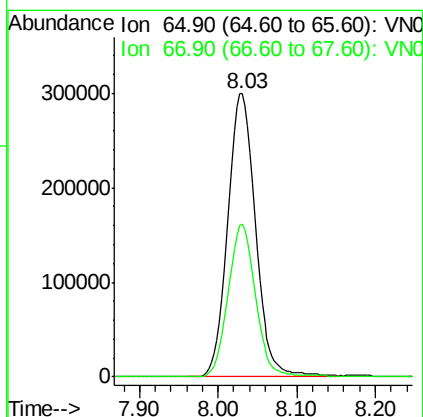
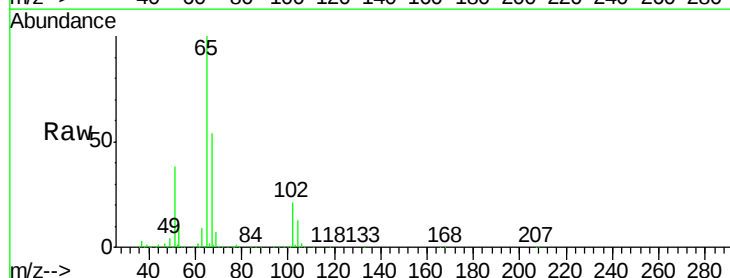
Instrument :
MSVOA_N
ClientSampled :
I.BLK

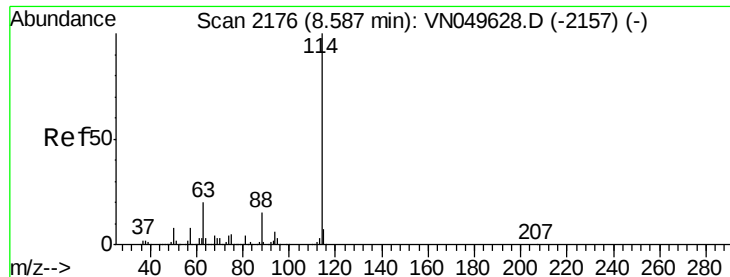
Tot Ion: 56 Resp: 24970
Ion Ratio Lower Upper
56 100
69 161.9 26.6 40.0#
84 121.8 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 48.60 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion: 65 Resp: 735878
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2

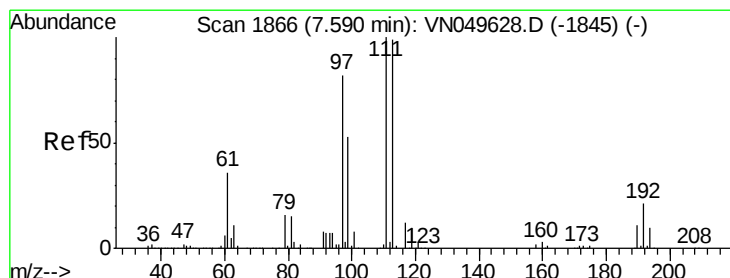
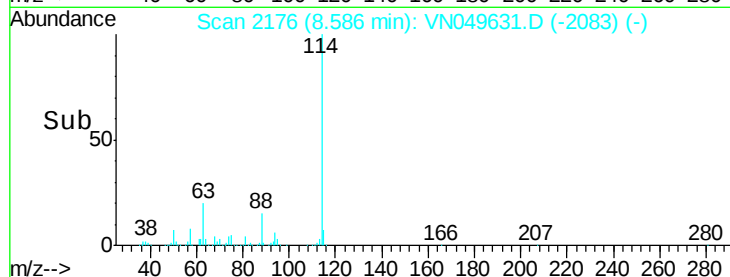
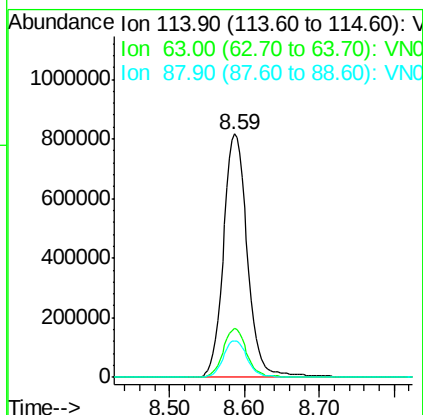
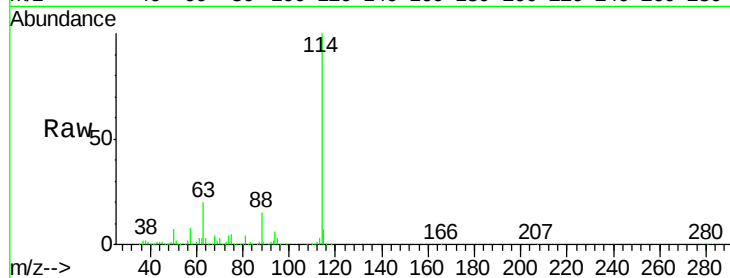




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

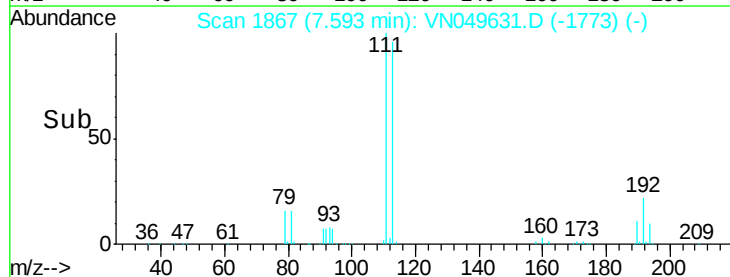
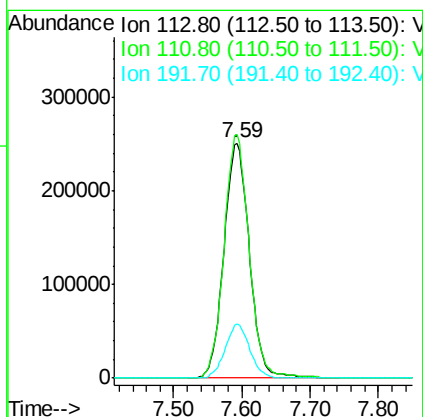
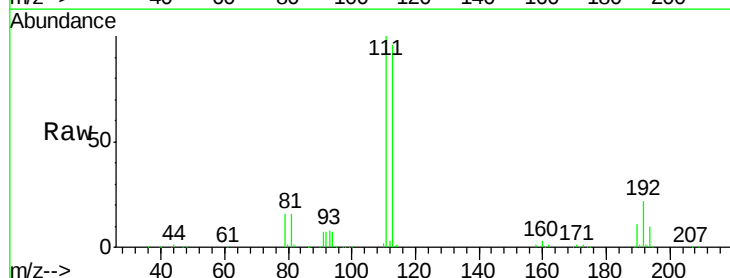
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

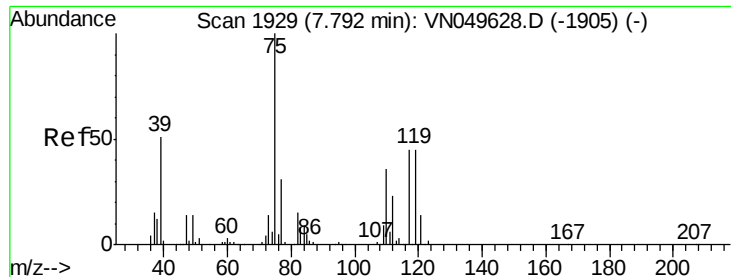
Tot Ion:114 Resp: 1808198
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.8
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.16 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion:113 Resp: 651040
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.8
192 22.2 17.8 26.6





#36

1,1-Dichloropropene

Concen: 0.43 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

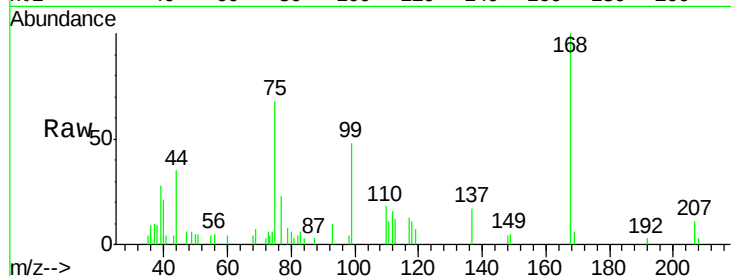
Tot Ion: 75 Resp: 8714

Ion Ratio Lower Upper

75 100

110 16.5 18.1 54.4#

77 30.7 24.9 37.3

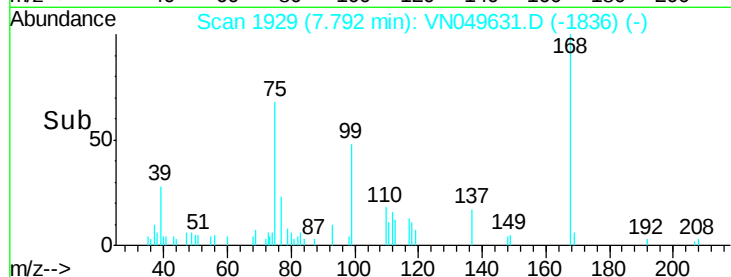


Abundance Ion 74.90 (74.60 to 75.60): VN049631.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049631.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049631.D (-1836) (-)

Time-->



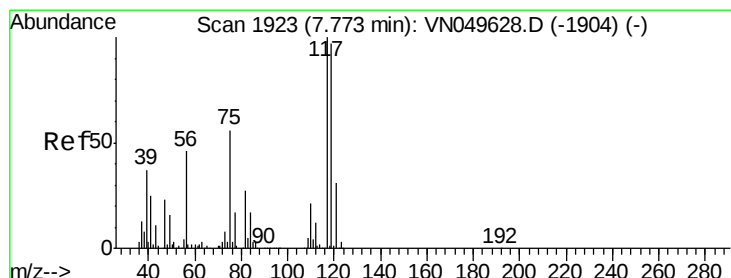
Abundance

Ion 74.90 (74.60 to 75.60): VN049631.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049631.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049631.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.25 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

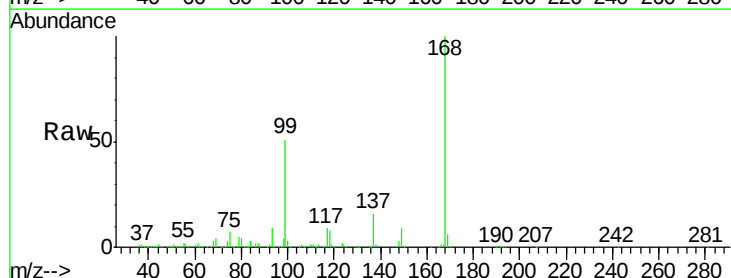
Tgt Ion: 117 Resp: 103838

Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

121 0.0 25.0 37.6#

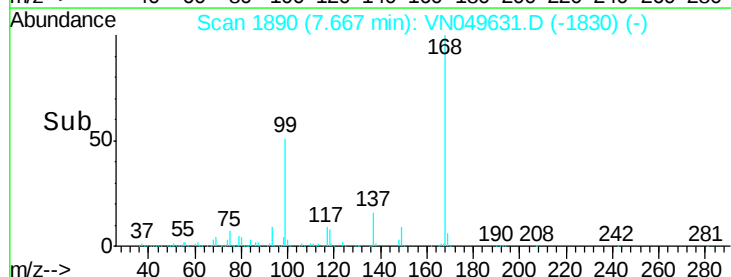


Abundance Ion 116.80 (116.50 to 117.50): VN049631.D (-1830) (-)

Ion 118.80 (118.50 to 119.50): VN049631.D (-1830) (-)

Ion 120.80 (120.50 to 121.50): VN049631.D (-1830) (-)

Time-->



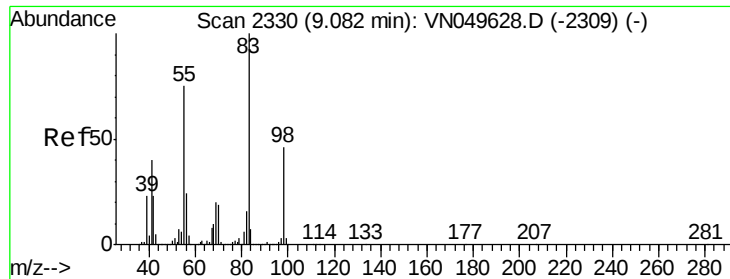
Abundance

Ion 116.80 (116.50 to 117.50): VN049631.D (-1830) (-)

Ion 118.80 (118.50 to 119.50): VN049631.D (-1830) (-)

Ion 120.80 (120.50 to 121.50): VN049631.D (-1830) (-)

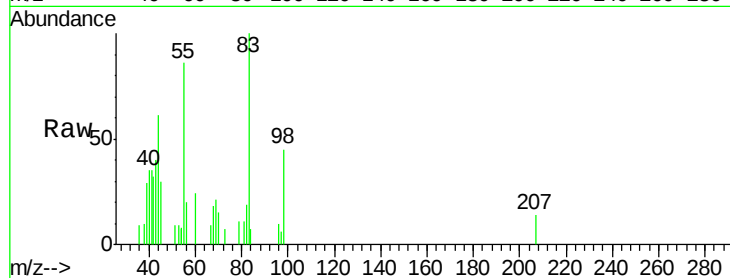
Time-->



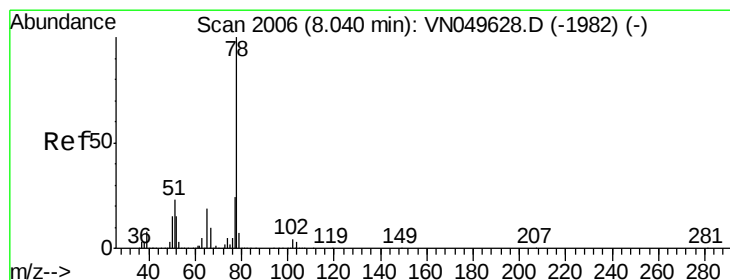
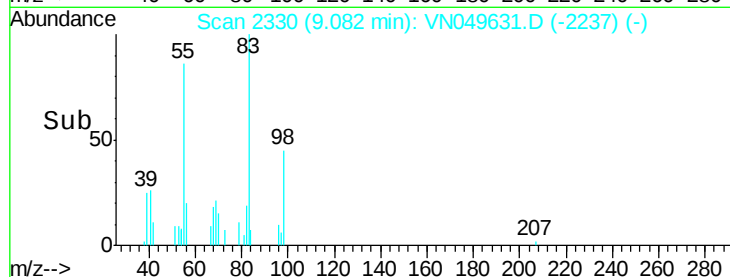
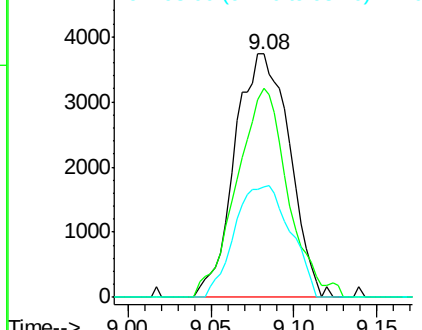
#39
Methvlcvclohexane
Concen: 0.38 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tot Ion	83	Resp	8565
Ion	Ratio	Lower	Upper
83	100		
55	85.9	59.7	89.5
98	45.4	36.5	54.7

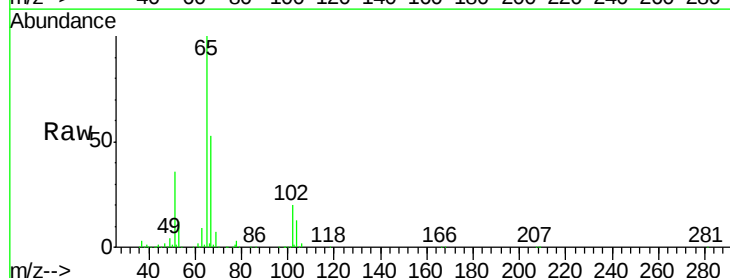


Abundance Ion 83.00 (82.70 to 83.70): VN049628.D (-2309) (-)

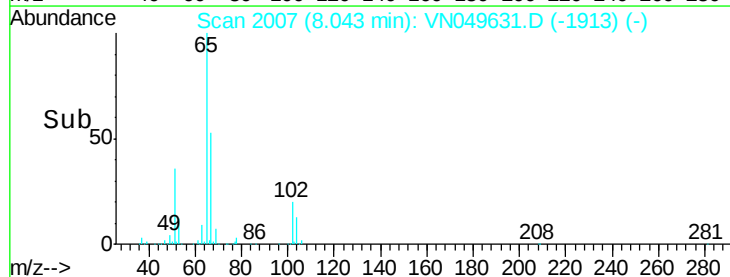
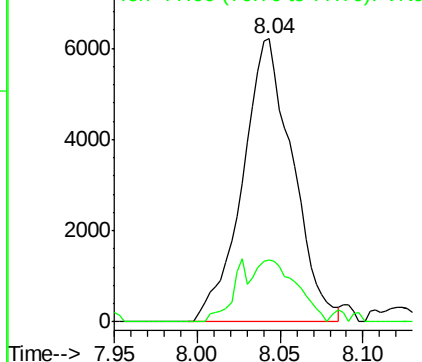


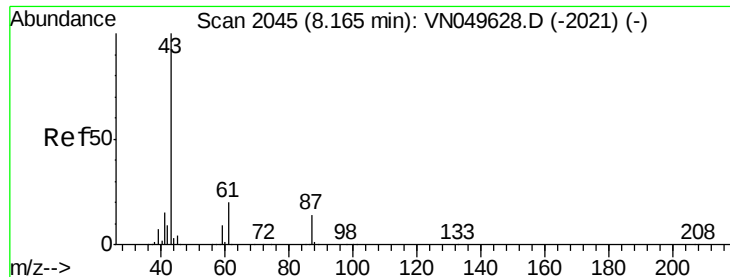
#40
Benzene
Concen: 0.21 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion	78	Resp	13099
Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN049628.D (-1982) (-)





#43

Isopropyl Acetate

Concen: 2.99 ug/l

RT: 8.22 min Scan# 2062

Delta R.T. 0.05 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

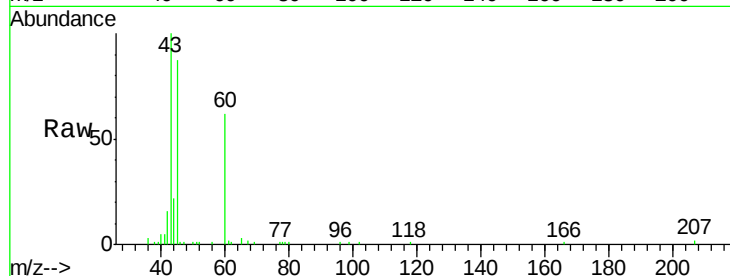
Tot Ion: 43 Resp: 83956

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

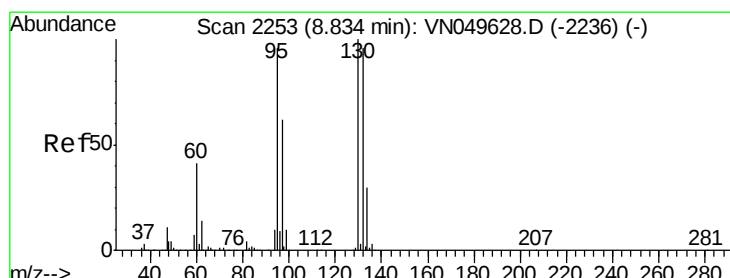
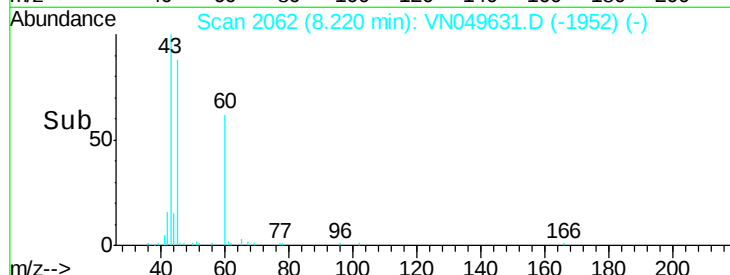
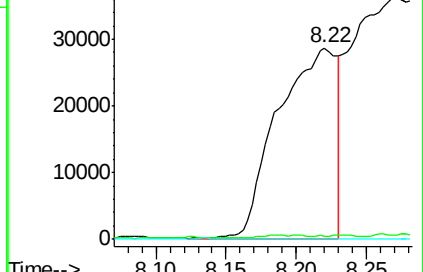
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049631.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049631.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049631.D (-1952) (-)



#44

Trichloroethene

Concen: 0.36 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.01 min

Lab File: VN049631.D

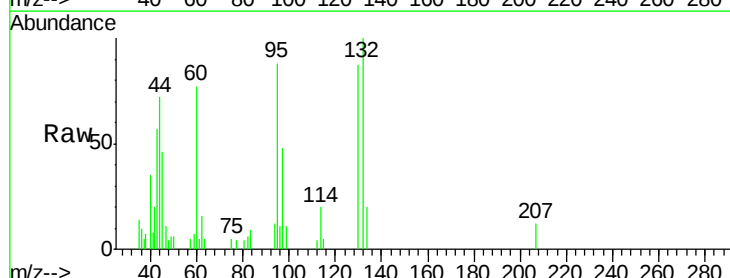
Acq: 29 Jun 2018 13:27

Tgt Ion:130 Resp: 6837

Ion Ratio Lower Upper

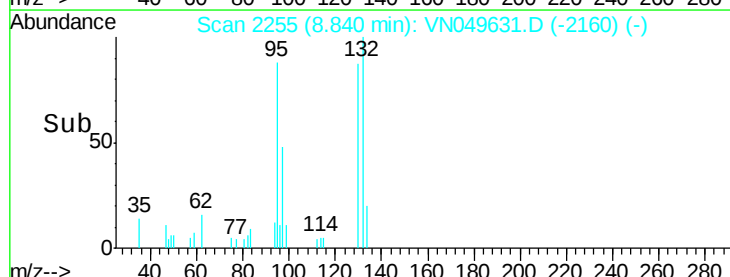
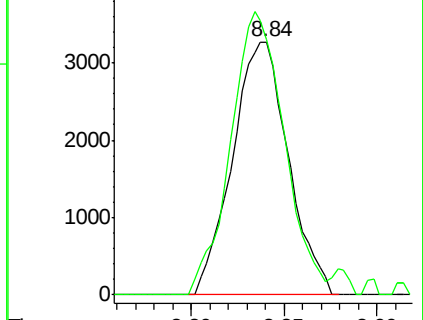
130 100

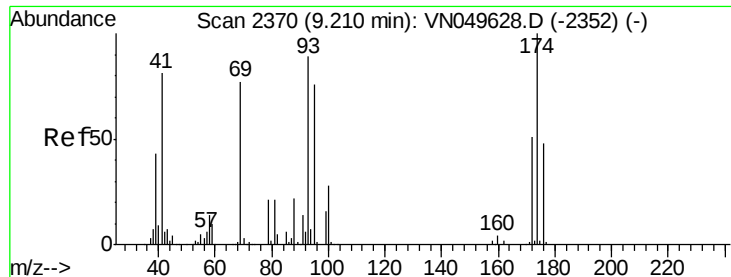
95 101.0 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049631.D (-2160) (-)

Ion 94.90 (94.60 to 95.60): VN049631.D (-2160) (-)





#46

Dibromomethane

Concen: 0.30 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

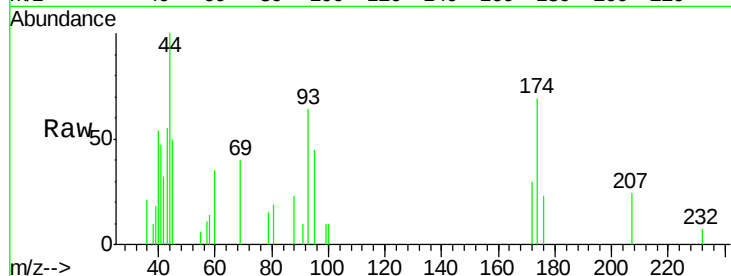
Tot Ion: 93 Resp: 2922

Ion Ratio Lower Upper

93 100

95 77.9 67.9 101.9

174 101.1 89.4 134.0

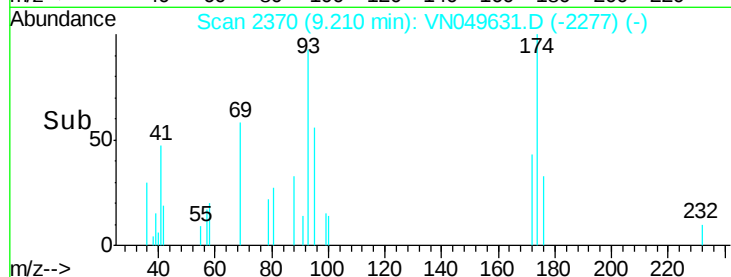


Abundance Ion 92.80 (92.50 to 93.50): VN049631.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049631.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049631.D (-2277) (-)

Time-->

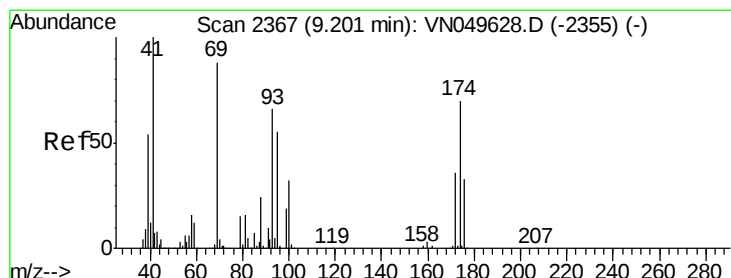


Abundance Ion 92.80 (92.50 to 93.50): VN049631.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049631.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049631.D (-2277) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.25 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

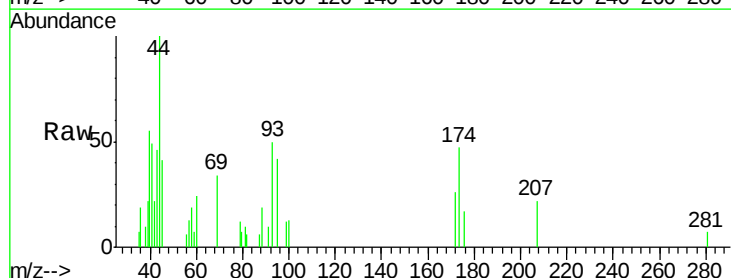
Tgt Ion: 41 Resp: 2610

Ion Ratio Lower Upper

41 100

69 35.1 71.5 107.3#

39 39.3 44.7 67.1#

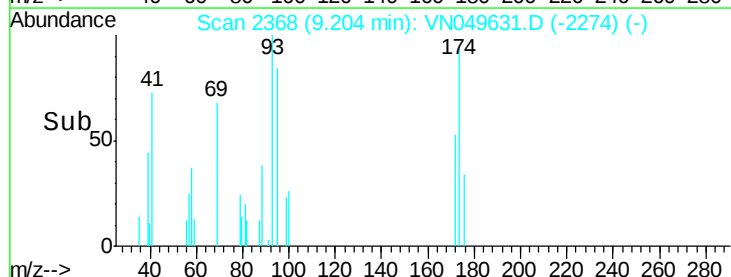


Abundance Ion 41.00 (40.70 to 41.70): VN049631.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049631.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049631.D (-2274) (-)

Time-->

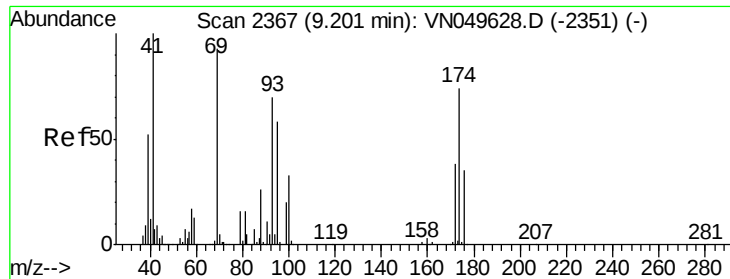


Abundance Ion 41.00 (40.70 to 41.70): VN049631.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049631.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049631.D (-2274) (-)

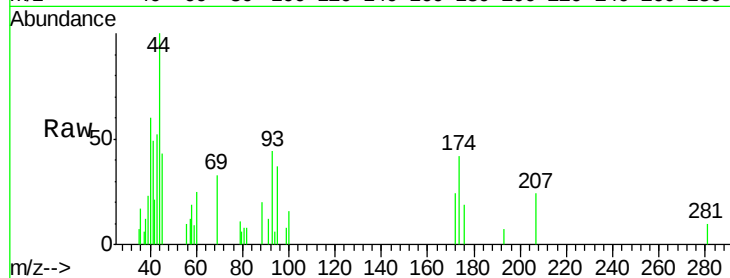
Time-->



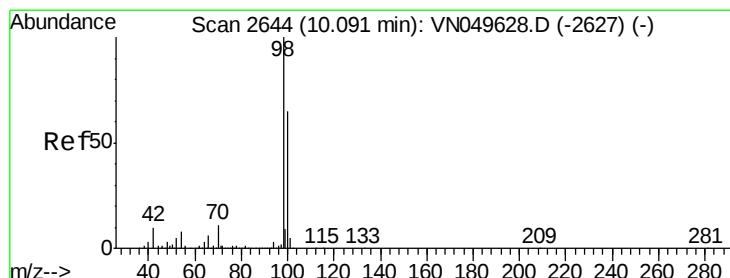
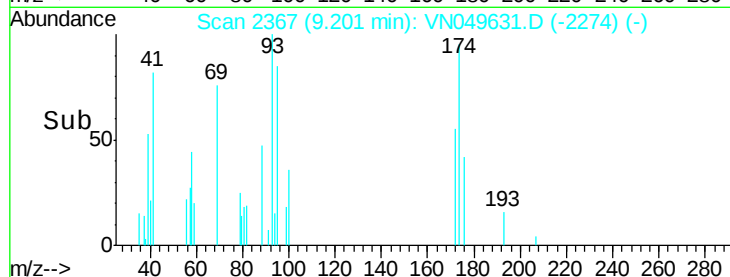
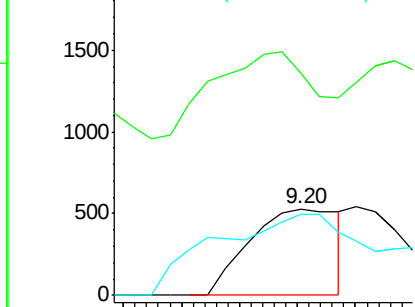
#49
1,4-Dioxane
Concen: 4.01 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tot Ion: 88 Resp: 568
Ion Ratio Lower Upper
88 100
43 114.3 25.1 37.7#
58 156.7 52.5 78.7#

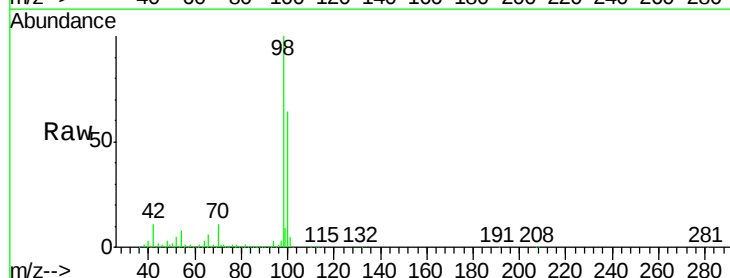


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

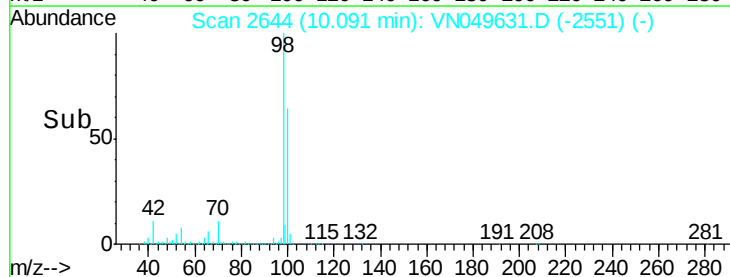
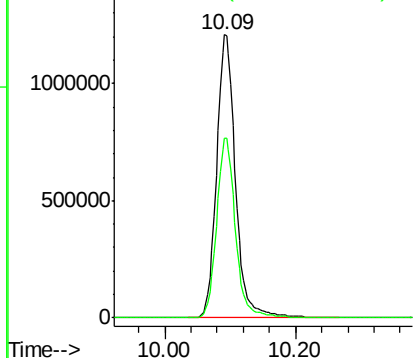


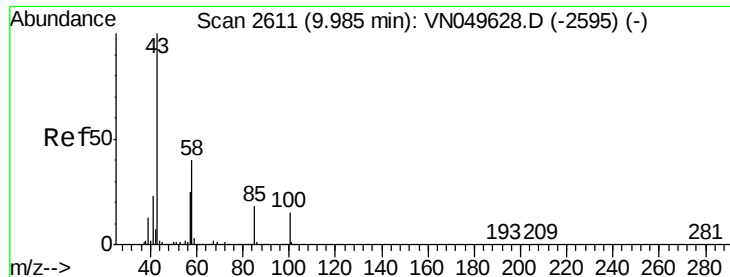
#50
Toluene-d8
Concen: 45.90 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion: 98 Resp: 2428672
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.89 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

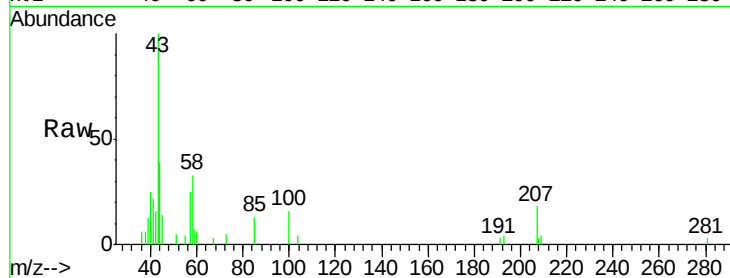
I.BLK

Tot Ion: 43 Resp: 10301

Ion Ratio Lower Upper

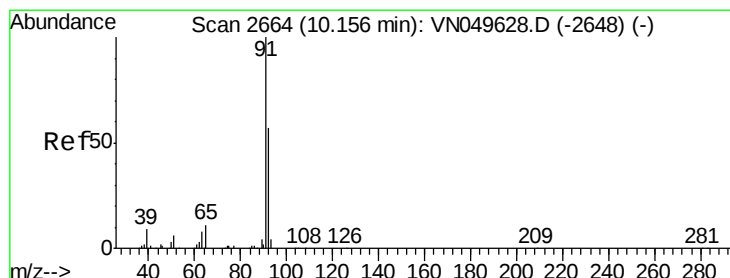
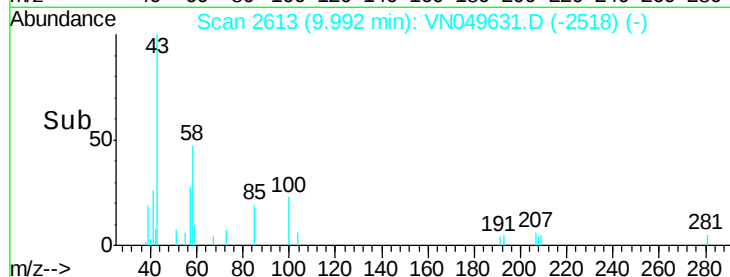
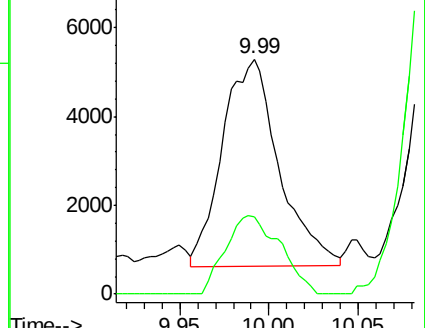
43 100

58 36.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2595) (-)



#52

Toluene

Concen: 0.27 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049631.D

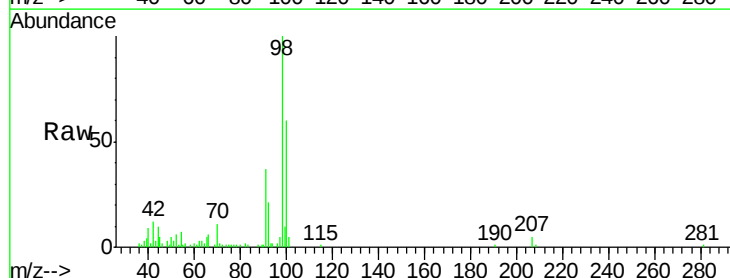
Acq: 29 Jun 2018 13:27

Tgt Ion: 92 Resp: 9995

Ion Ratio Lower Upper

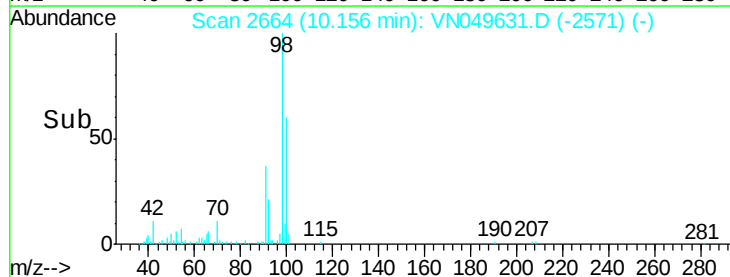
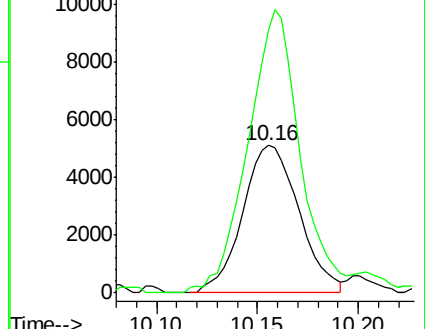
92 100

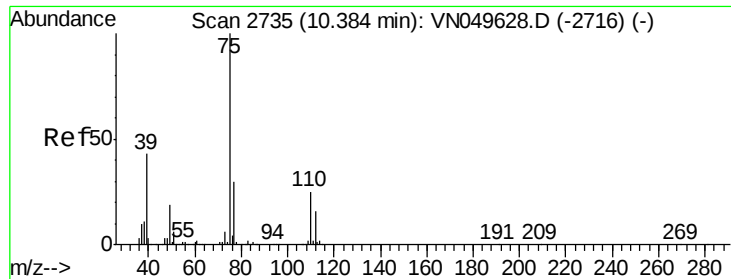
91 176.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049628.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN049628.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 0.28 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

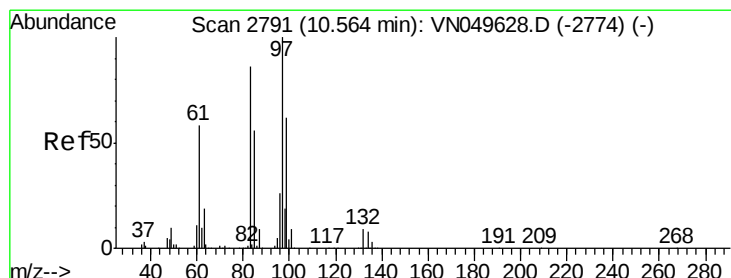
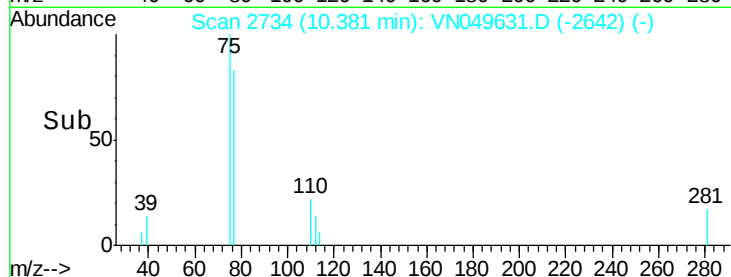
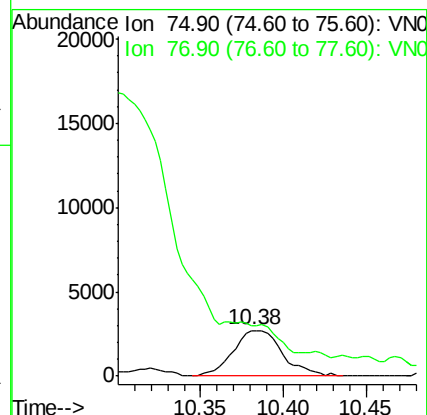
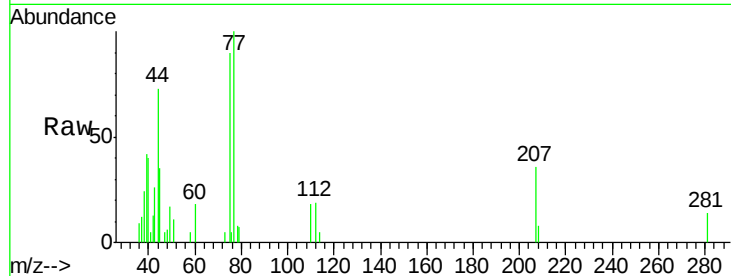
I.BLK

Tot Ion: 75 Resp: 5640

Ion Ratio Lower Upper

75 100

77 65.8 25.2 37.8#



#55

1,1,2-Trichloroethane

Concen: 0.21 ug/l

RT: 10.57 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Tgt Ion: 97 Resp: 2984

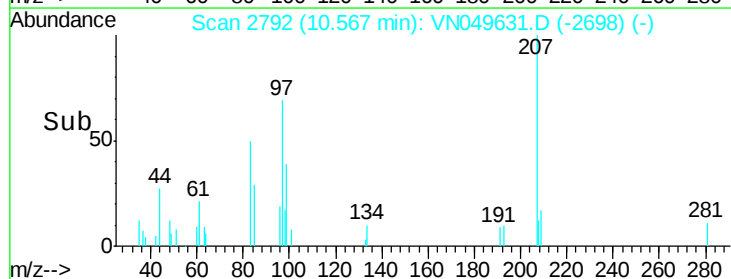
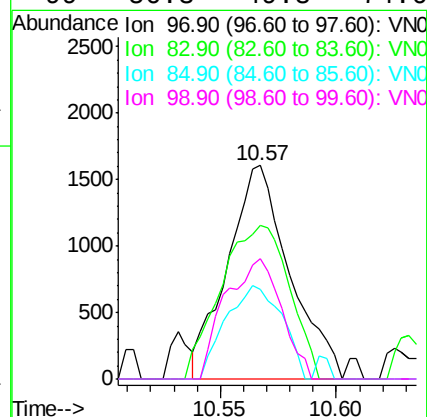
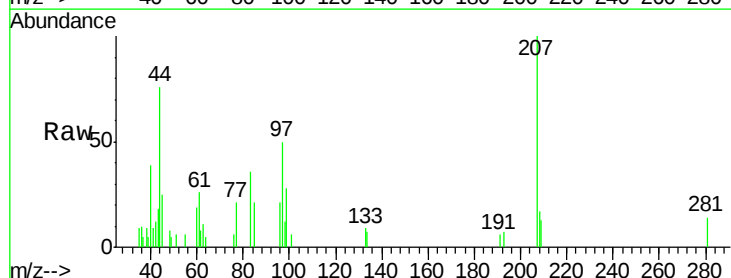
Ion Ratio Lower Upper

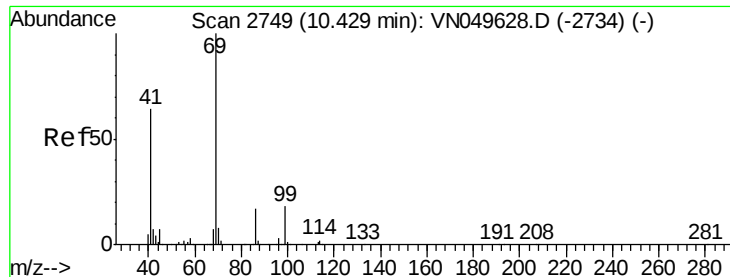
97 100

83 71.9 69.0 103.6

85 42.2 44.9 67.3#

99 56.3 49.8 74.6





#56

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

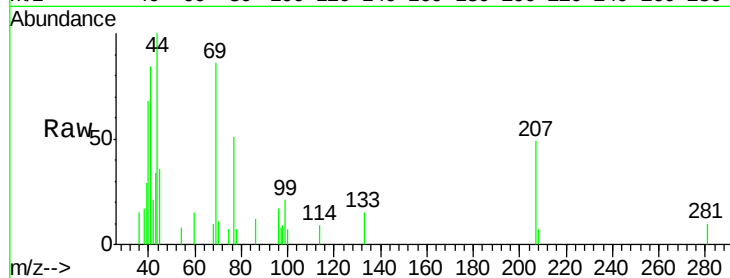
Tot Ion: 69 Resp: 3615

Ion Ratio Lower Upper

69 100

41 69.9 51.6 77.4

39 30.6 25.8 38.8

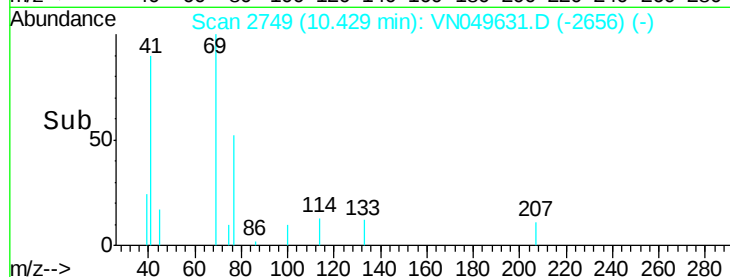


Abundance Ion 69.00 (68.70 to 69.70): VN049631.D (-2656) (-)

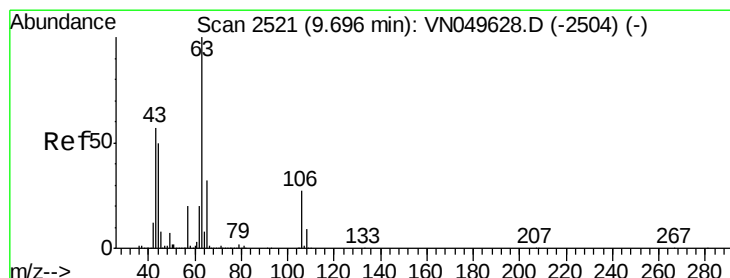
Ion 41.00 (40.70 to 41.70): VN049631.D (-2656) (-)

Ion 39.00 (38.70 to 39.70): VN049631.D (-2656) (-)

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.32 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049631.D

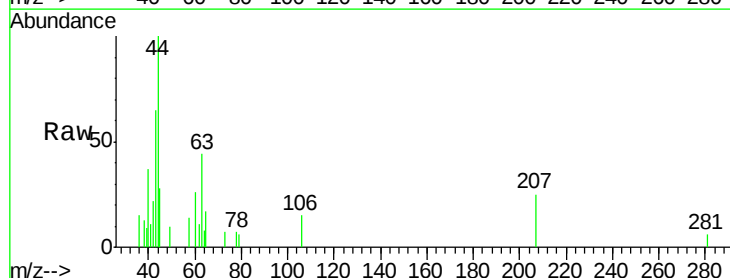
Acq: 29 Jun 2018 13:27

Tgt Ion: 63 Resp: 2440

Ion Ratio Lower Upper

63 100

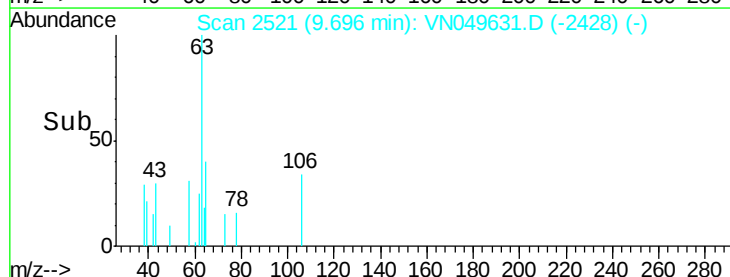
106 14.1 21.8 32.8#



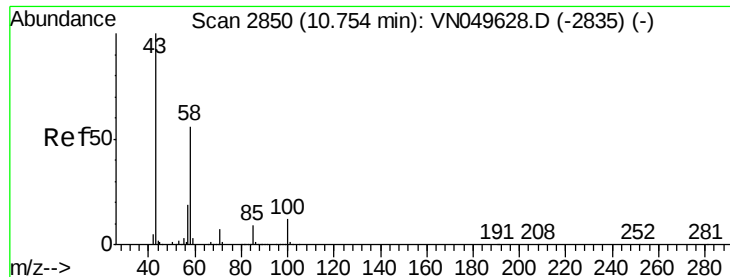
Abundance Ion 62.90 (62.60 to 63.60): VN049631.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN049631.D (-2428) (-)

Time-->



Time-->



#59

2-Hexanone

Concen: 2.18 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

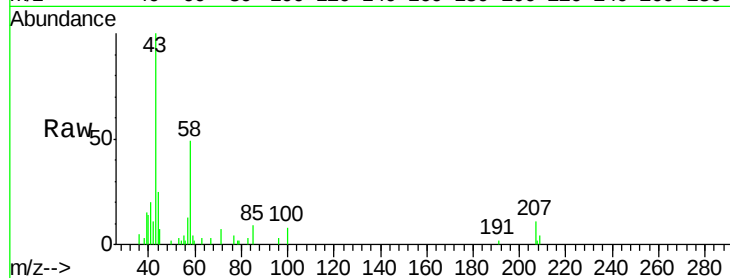
I.BLK

Tot Ion: 43 Resp: 16756

Ion Ratio Lower Upper

43 100

58 45.0 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049631.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049631.D (-2757) (-)

10.76

8000

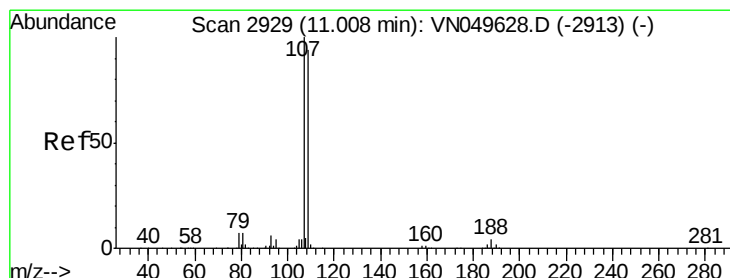
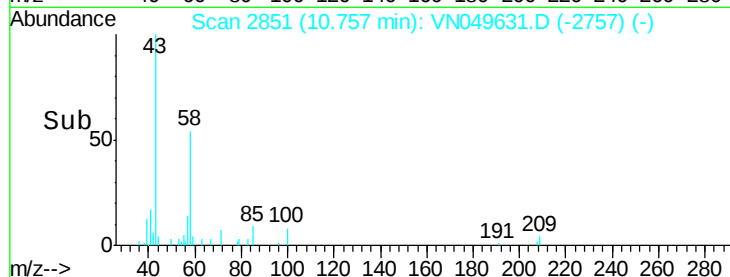
6000

4000

2000

0

Time--> 10.70 10.75 10.80



#61

1,2-Dibromoethane

Concen: 0.21 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049631.D

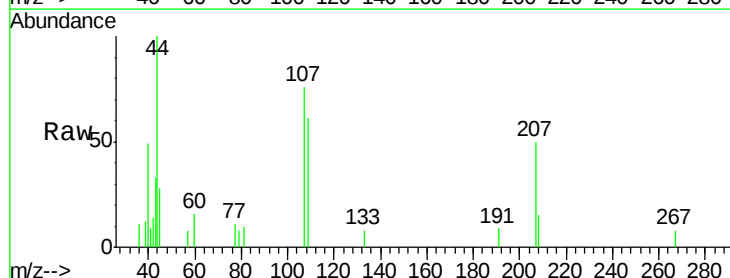
Acq: 29 Jun 2018 13:27

Tgt Ion: 107 Resp: 2826

Ion Ratio Lower Upper

107 100

109 90.2 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): VN049631.D (-2836) (-)

Ion 108.80 (108.50 to 109.50): VN049631.D (-2836) (-)

11.01

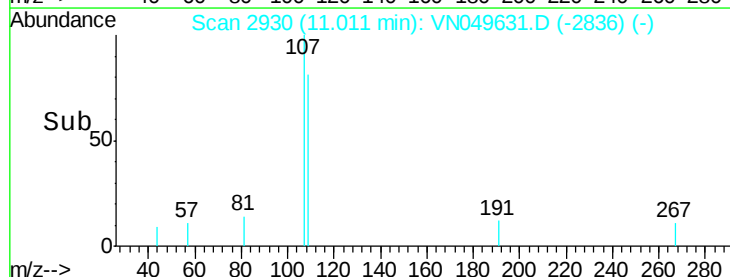
1500

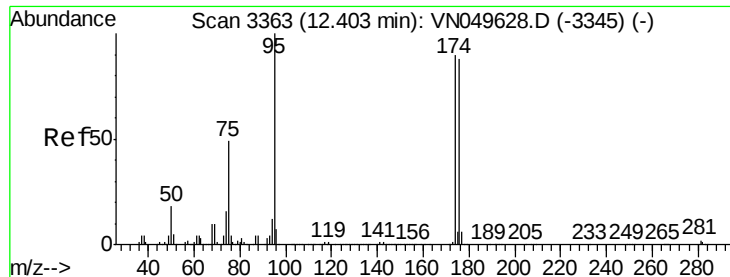
1000

500

0

Time--> 10.95 11.00 11.05





#62

4-Bromofluorobenzene

Concen: 38.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

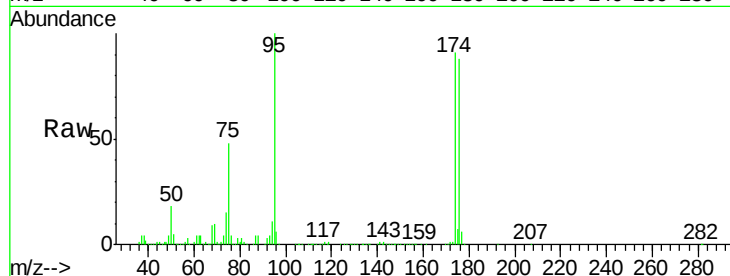
Tot Ion: 95 Resp: 691561

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.6

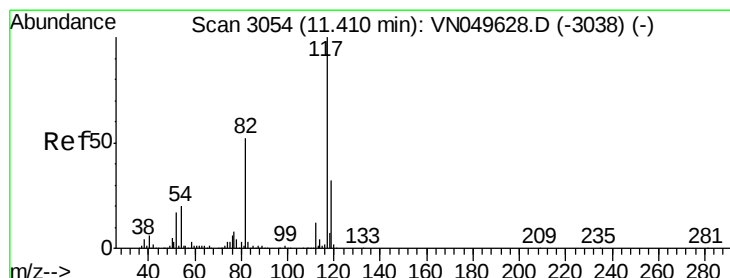
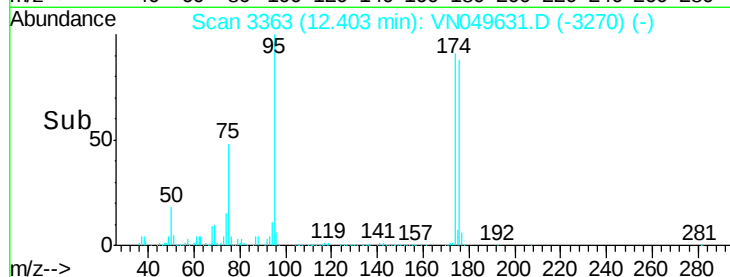
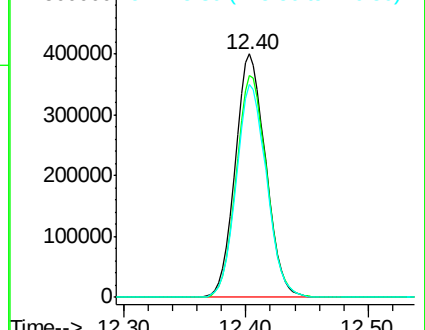
176 87.2 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049631.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049631.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049631.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

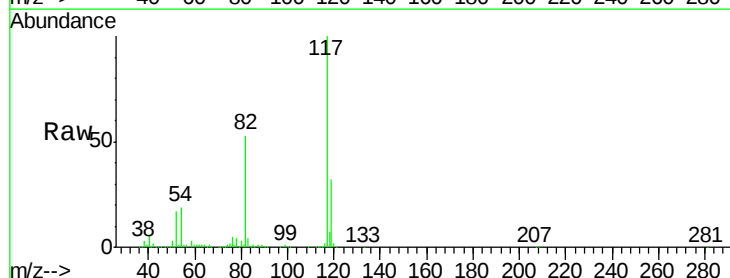
Tgt Ion: 117 Resp: 1485284

Ion Ratio Lower Upper

117 100

82 52.7 41.9 62.9

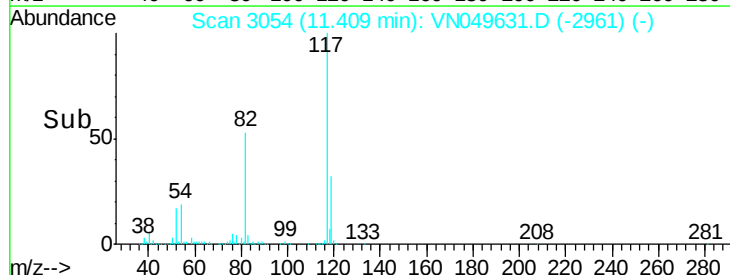
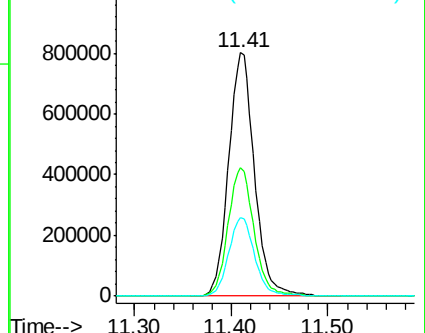
119 32.1 25.4 38.2

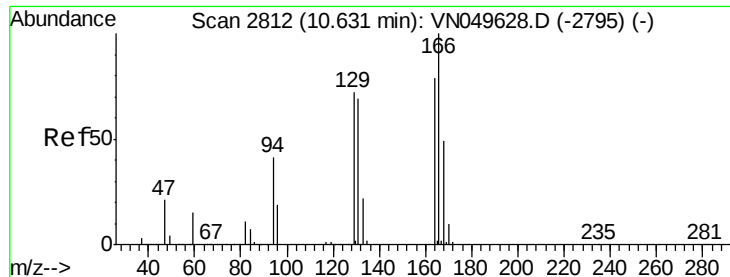


Abundance Ion 116.90 (116.60 to 117.60): VN049631.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049631.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049631.D (-2961) (-)

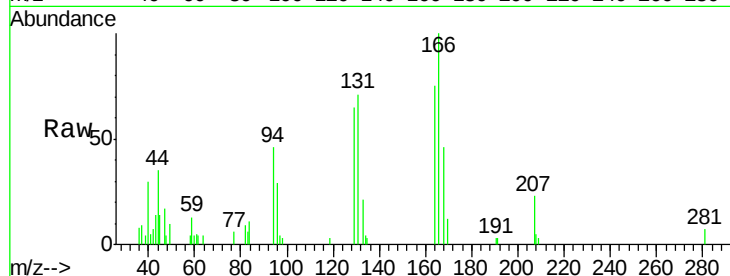




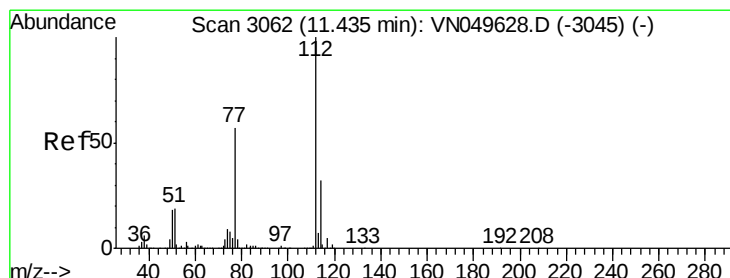
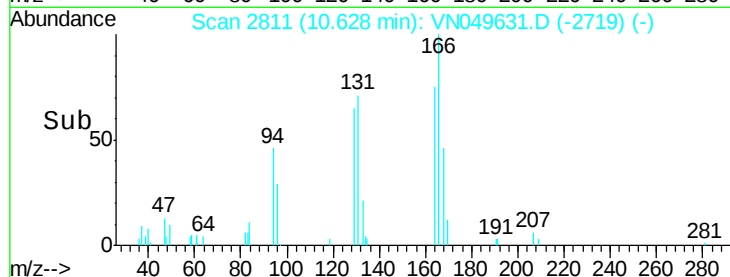
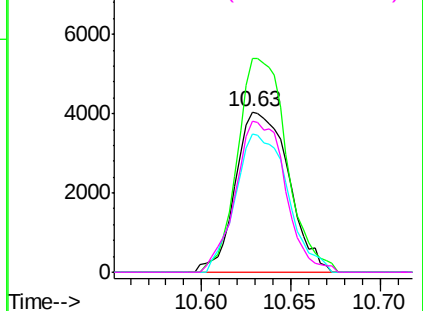
#64
Tetrachloroethene
Concen: 0.42 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion:164 Resp: 8387
Ion Ratio Lower Upper
164 100
166 133.2 101.8 152.6
129 86.6 72.8 109.2
131 94.5 70.0 105.0

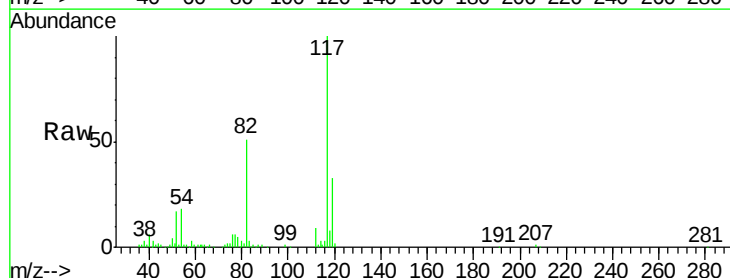


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

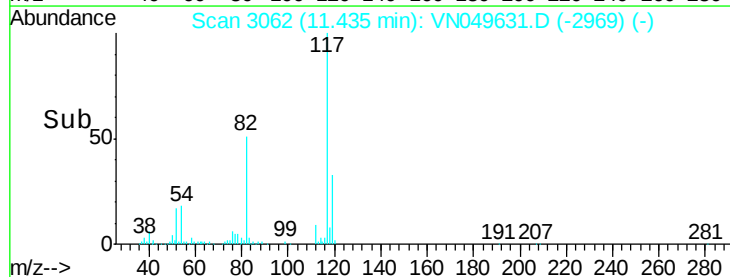
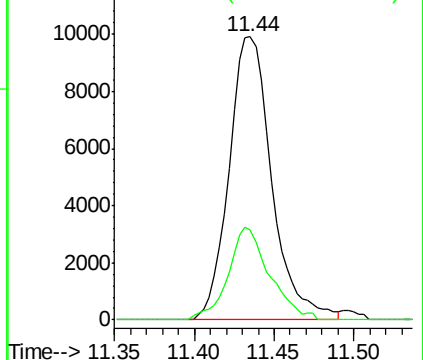


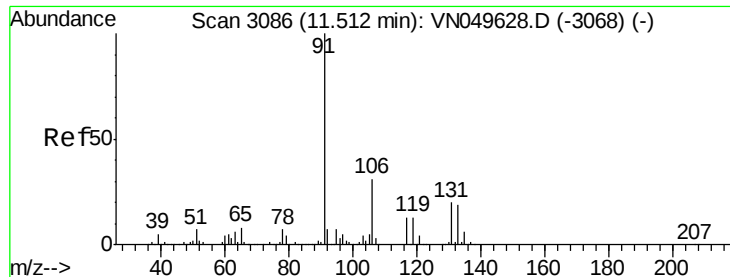
#65
Chlorobenzene
Concen: 0.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion:112 Resp: 18048
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.30 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

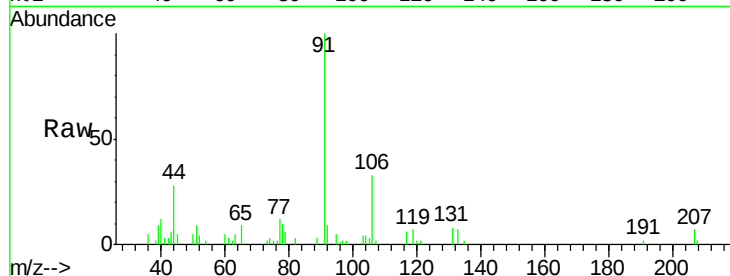
I.BLK

Tot Ion: 91 Resp: 18922

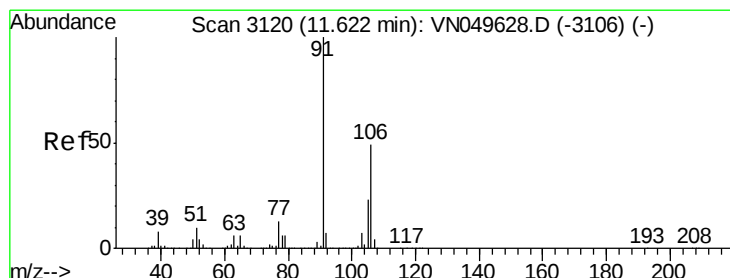
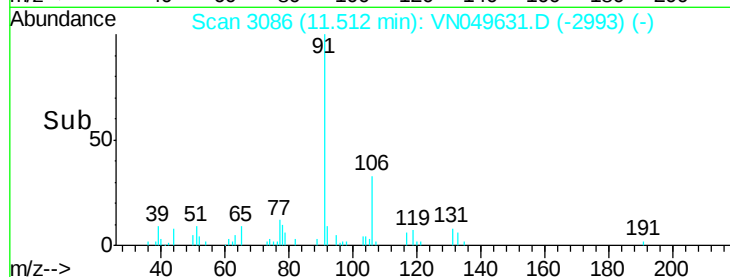
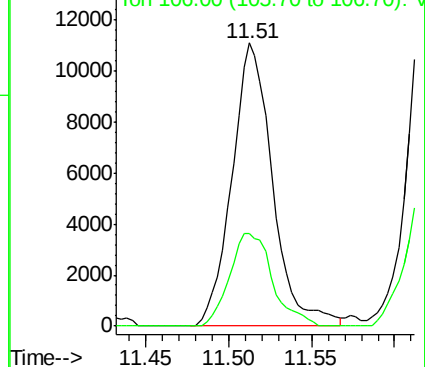
Ion Ratio Lower Upper

91 100

106 32.8 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049631.D (-2993) (-)



#68

m/p-Xylenes

Concen: 0.59 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049631.D

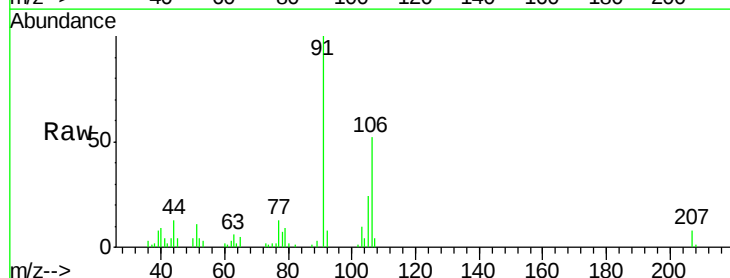
Acq: 29 Jun 2018 13:27

Tgt Ion: 106 Resp: 14446

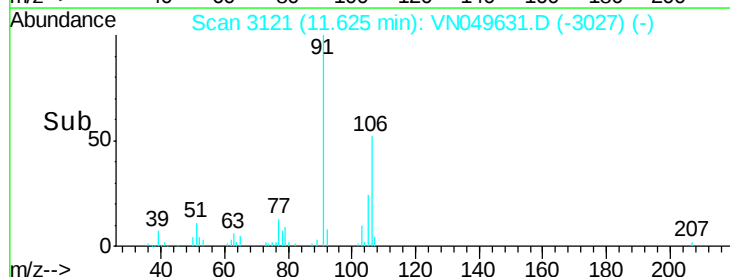
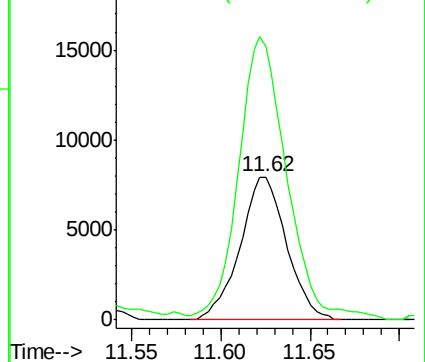
Ion Ratio Lower Upper

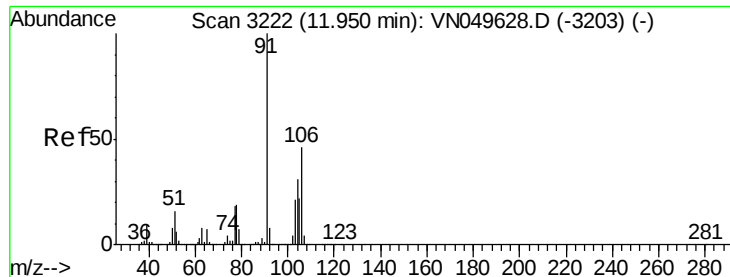
106 100

91 205.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049631.D (-3027) (-)

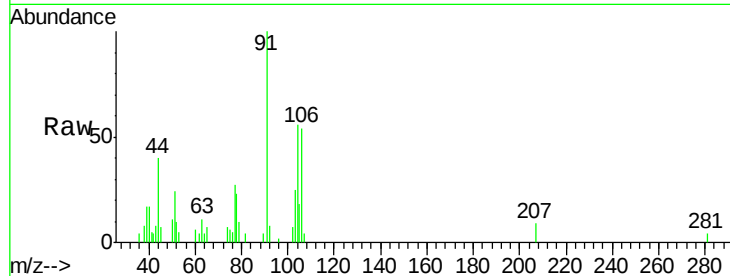




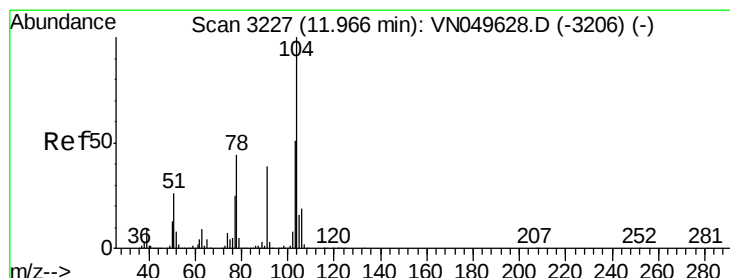
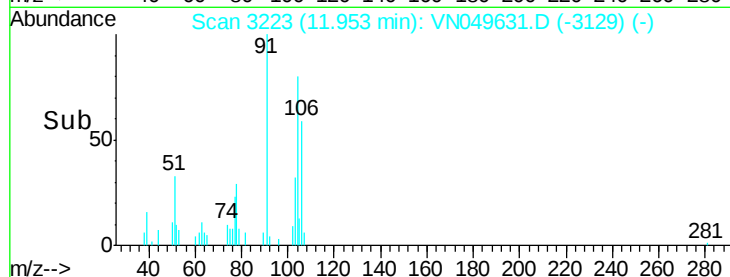
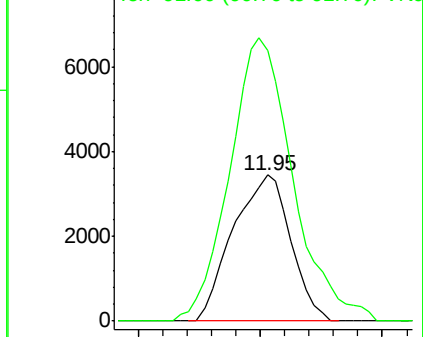
#69
o-Xylene
Concen: 0.24 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tot Ion:106 Resp: 5657
Ion Ratio Lower Upper
106 100
91 212.6 108.7 326.1

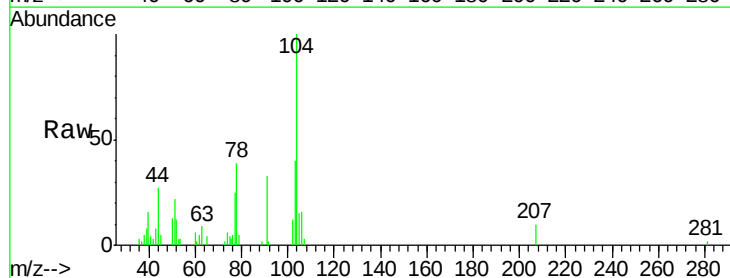


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

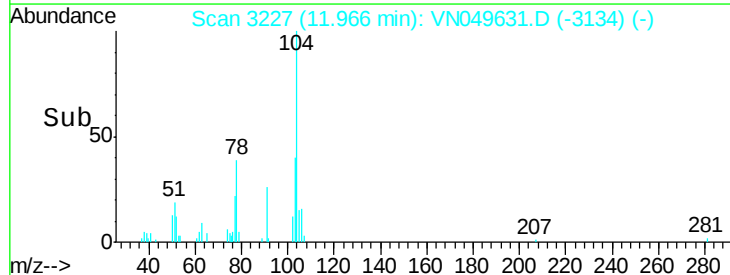
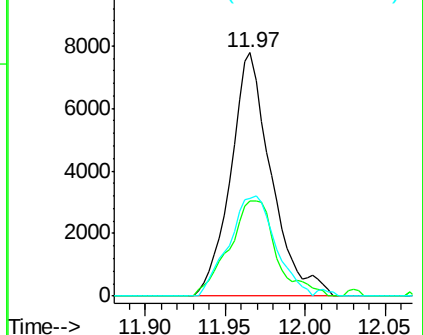


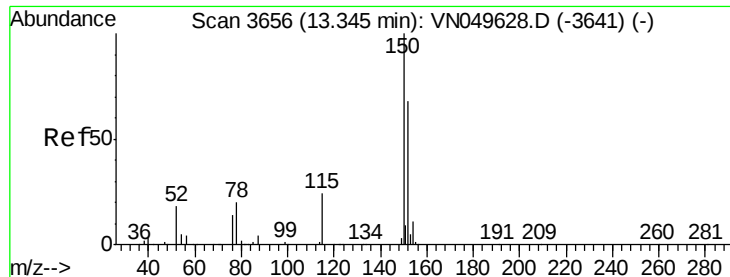
#70
Styrene
Concen: 0.35 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion:104 Resp: 13440
Ion Ratio Lower Upper
104 100
78 45.4 39.2 58.8
103 47.2 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

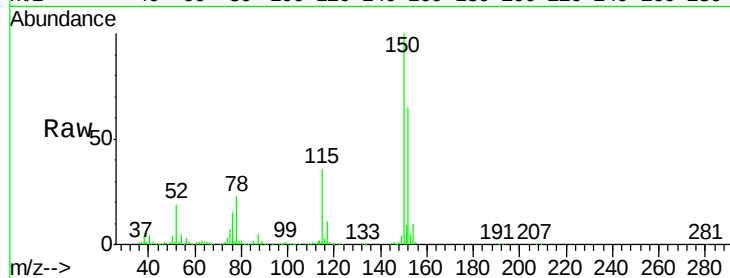
Tot Ion:152 Resp: 567204

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

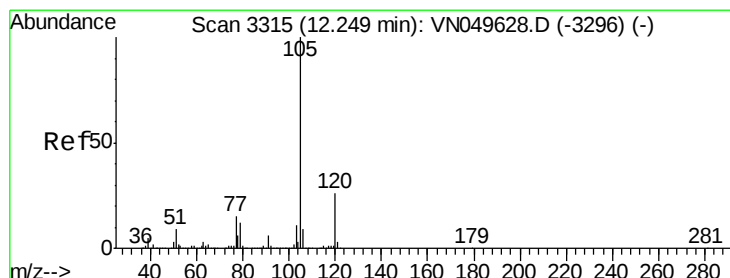
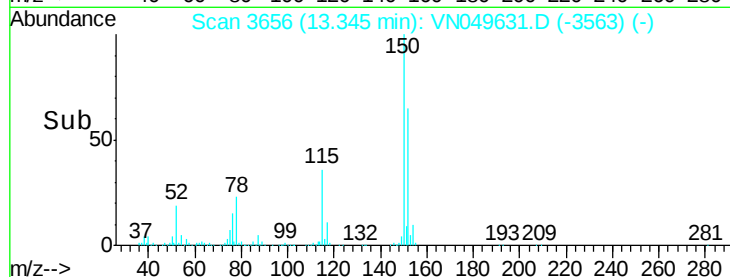
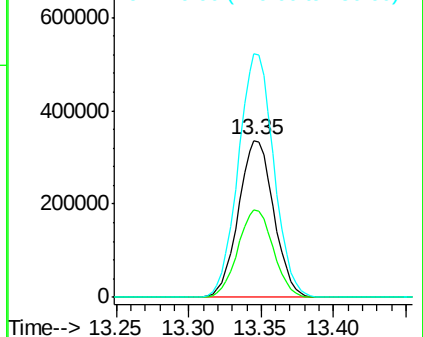
150 156.4 0.0 347.6



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: 0.32 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049631.D

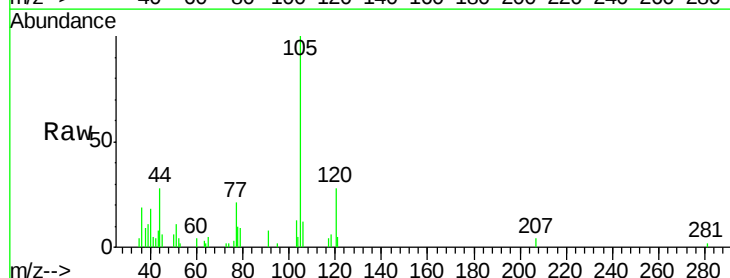
Acq: 29 Jun 2018 13:27

Tgt Ion:105 Resp: 14625

Ion Ratio Lower Upper

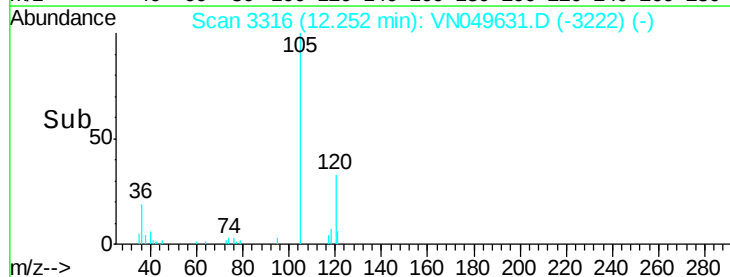
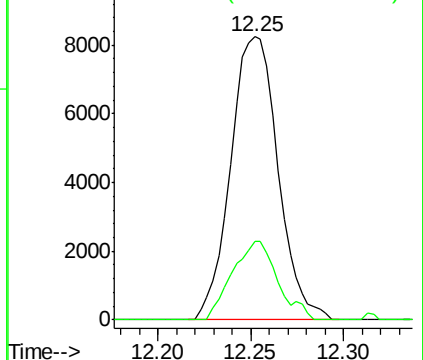
105 100

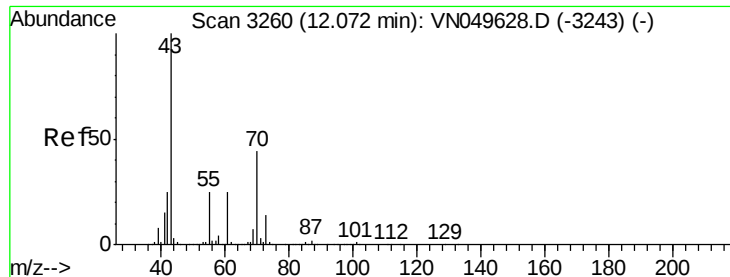
120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.63 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 43 Resp: 7817

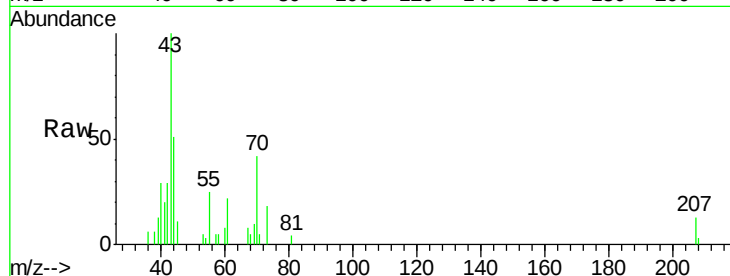
Ion Ratio Lower Upper

43 100

70 38.8 34.8 52.2

55 29.5 20.9 31.3

61 26.2 19.9 29.9

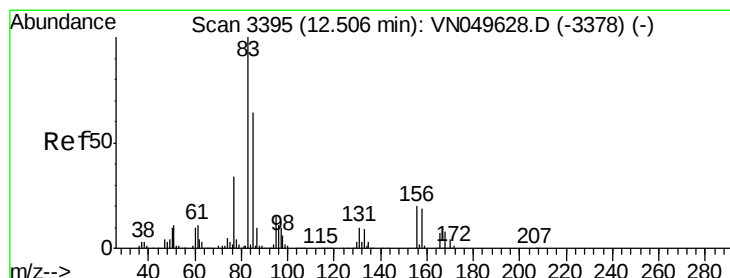
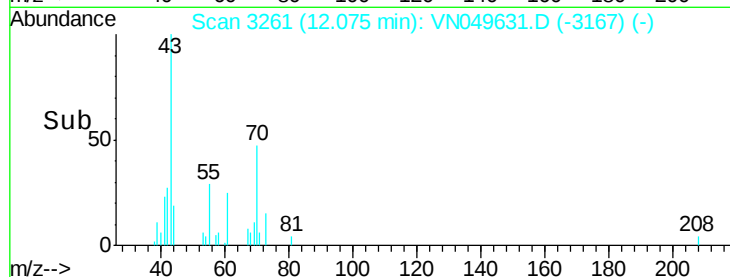
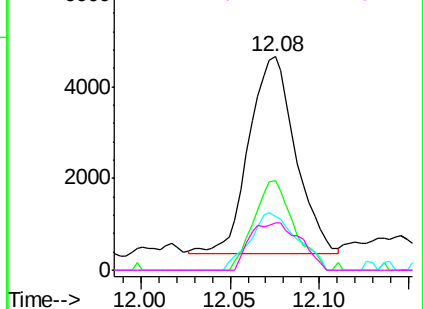


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.35 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

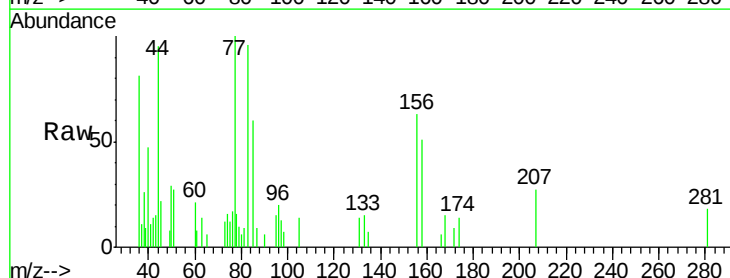
Tgt Ion: 83 Resp: 3741

Ion Ratio Lower Upper

83 100

131 8.7 5.2 15.6

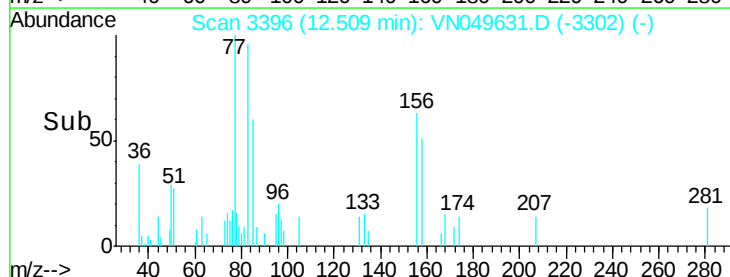
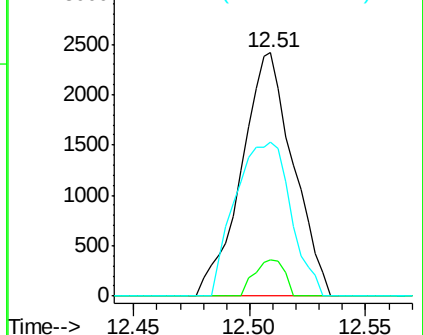
85 67.8 32.5 97.4

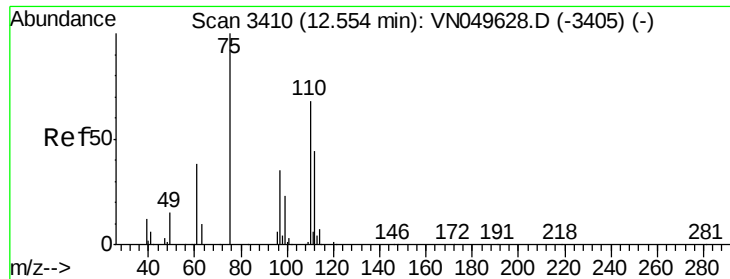


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

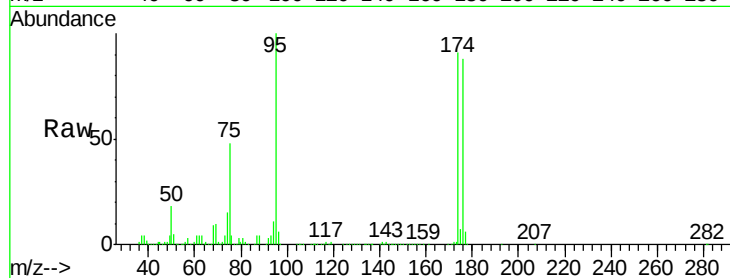
I.BLK

Tot Ion: 75 Resp: 333409

Ion Ratio Lower Upper

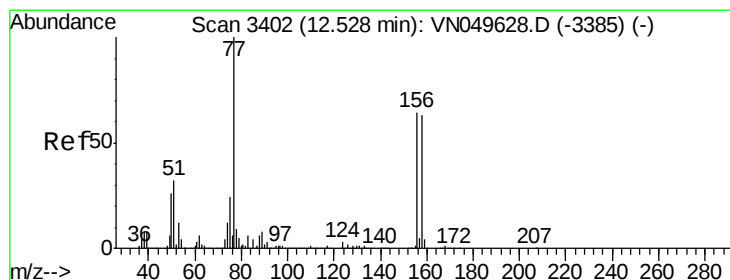
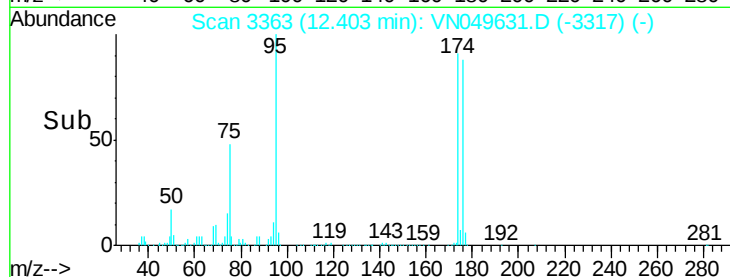
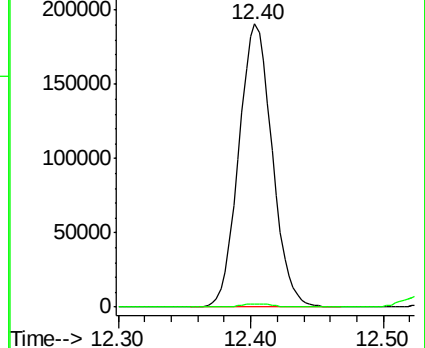
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049631.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049631.D (-3317) (-)



#77

Bromobenzene

Concen: 0.84 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

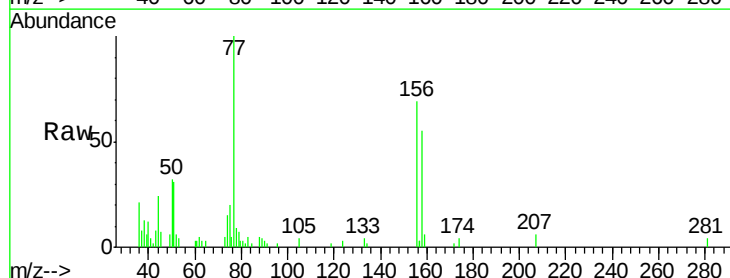
Tgt Ion: 156 Resp: 10368

Ion Ratio Lower Upper

156 100

77 160.9 90.2 270.6

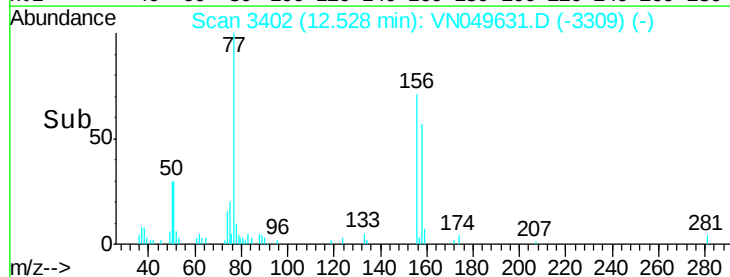
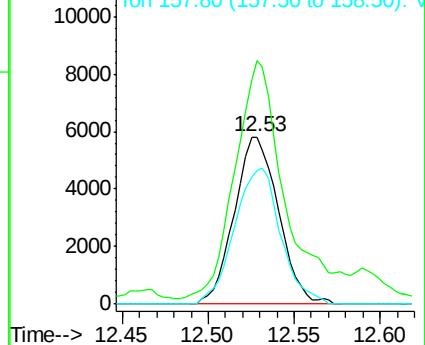
158 84.8 49.1 147.3

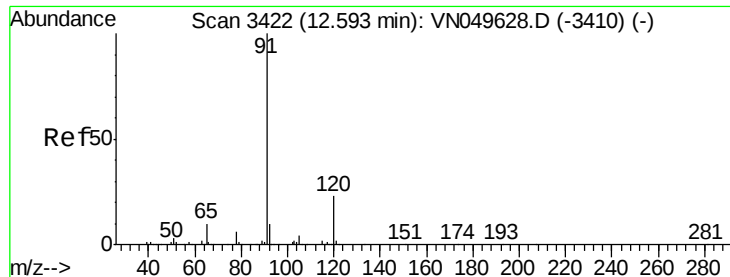


Abundance Ion 155.80 (155.50 to 156.50): VN049631.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN049631.D (-3309) (-)

Ion 157.80 (157.50 to 158.50): VN049631.D (-3309) (-)





#78

n-propylbenzene

Concen: 0.59 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

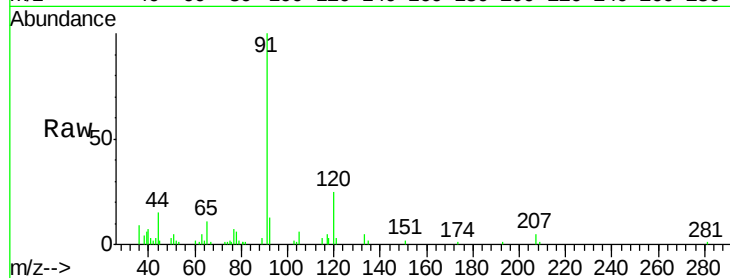
I.BLK

Tot Ion: 91 Resp: 30700

Ion Ratio Lower Upper

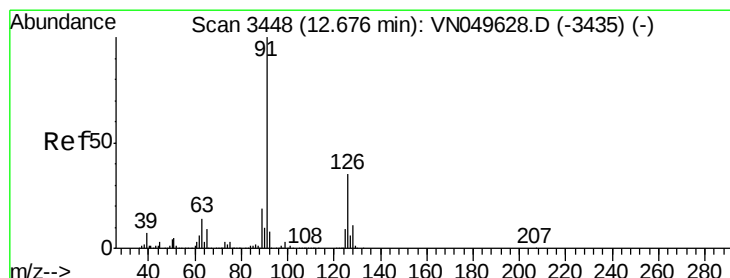
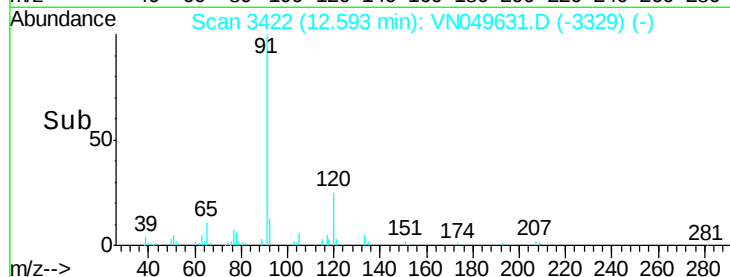
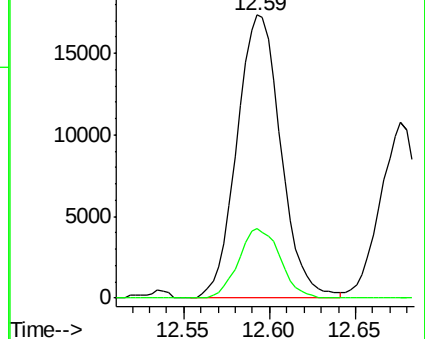
91 100

120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.54 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049631.D

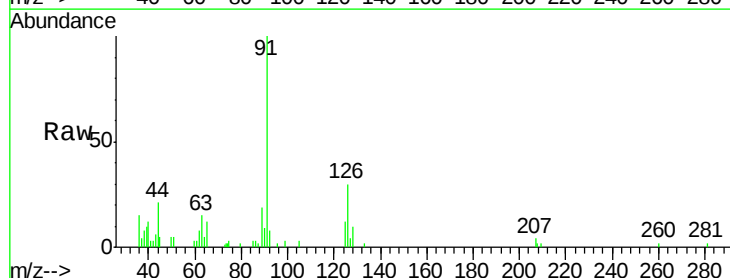
Acq: 29 Jun 2018 13:27

Tgt Ion: 91 Resp: 17858

Ion Ratio Lower Upper

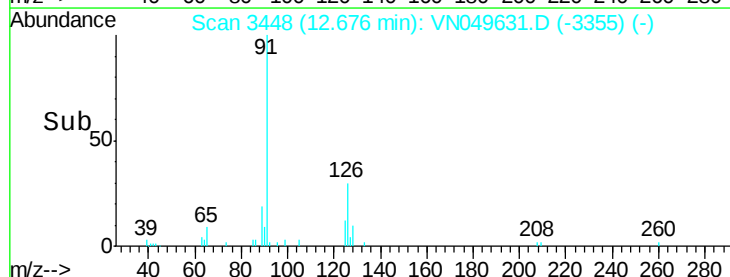
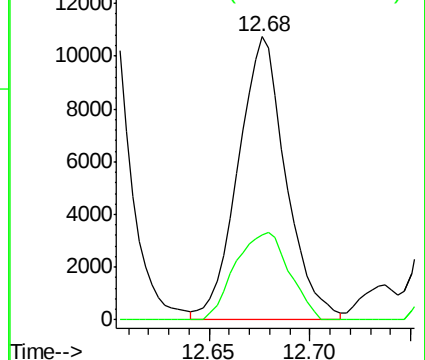
91 100

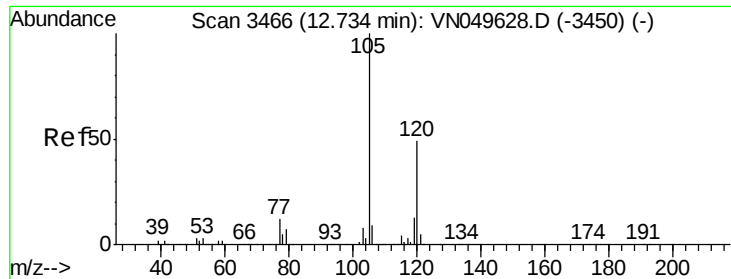
126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.40 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

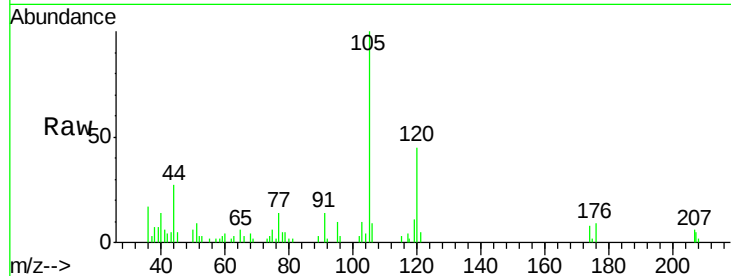
I.BLK

Tot Ion:105 Resp: 14859

Ion Ratio Lower Upper

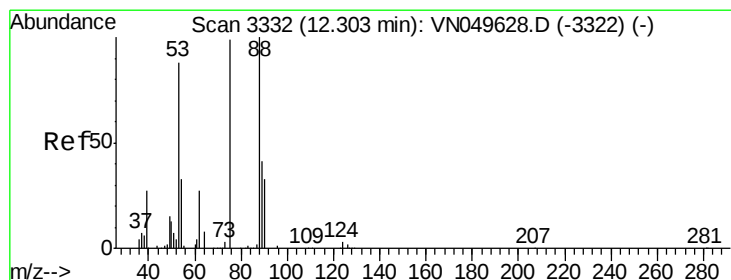
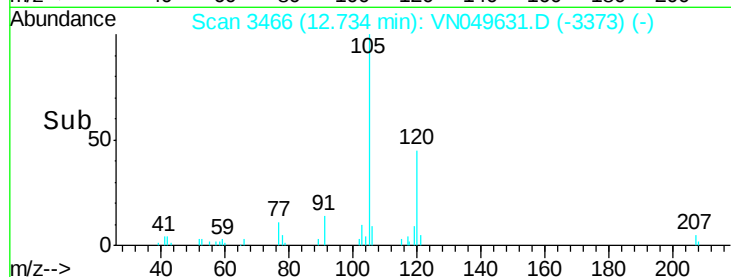
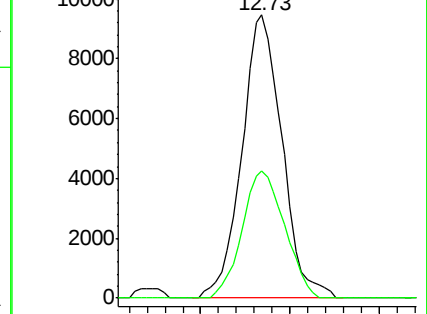
105 100

120 47.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 124.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

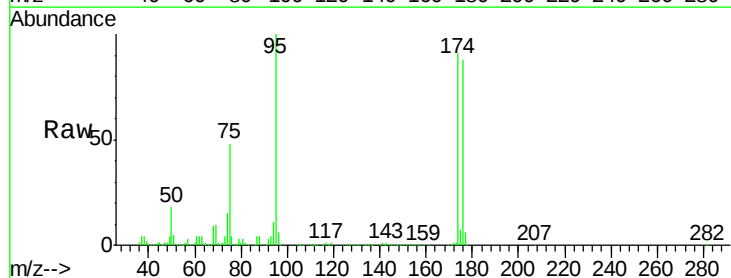
Tgt Ion: 75 Resp: 333409

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

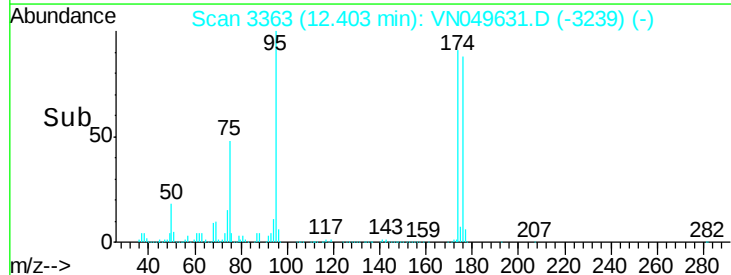
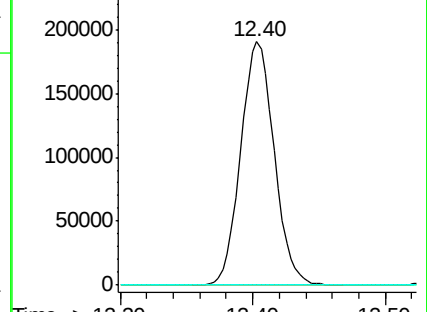
89 0.0 35.9 53.9#

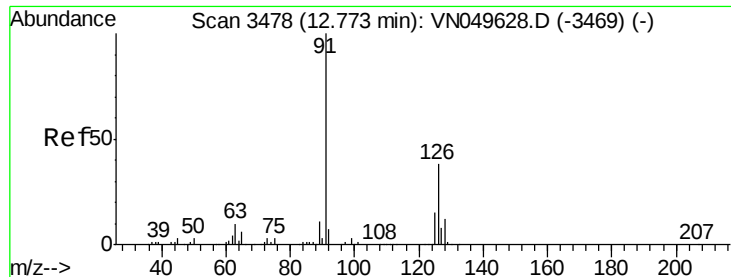


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.87 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

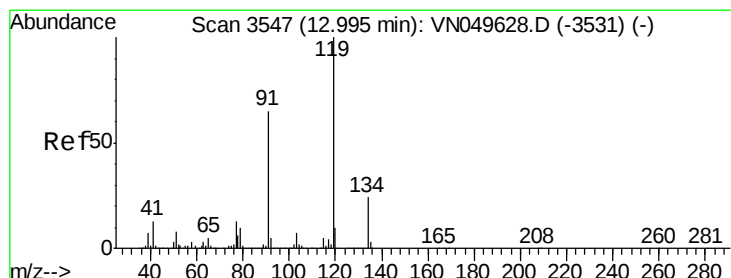
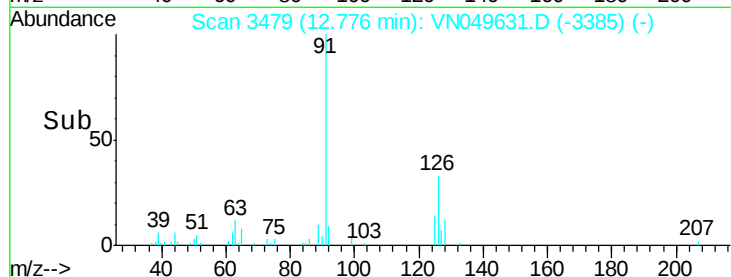
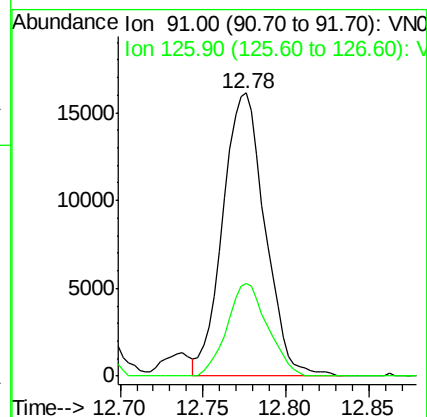
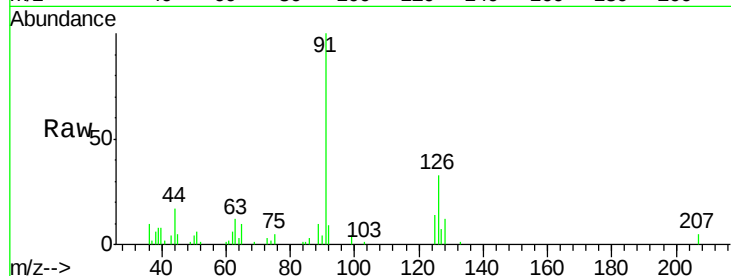
I.BLK

Tot Ion: 91 Resp: 28558

Ion Ratio Lower Upper

91 100

126 31.4 17.2 51.6



#83

tert-Butylbenzene

Concen: 0.40 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

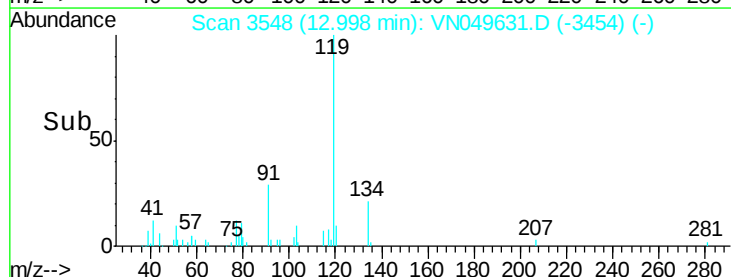
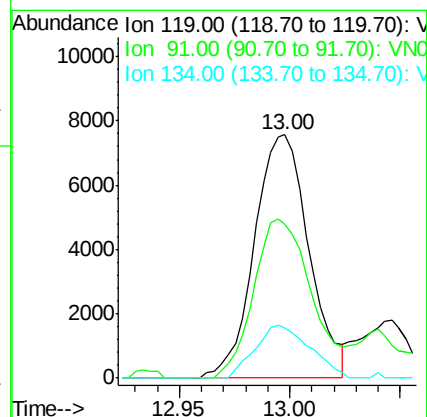
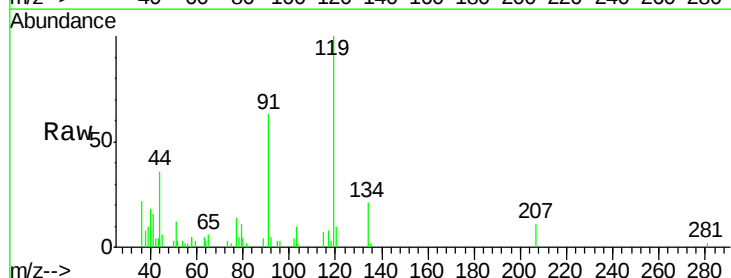
Tgt Ion: 119 Resp: 12921

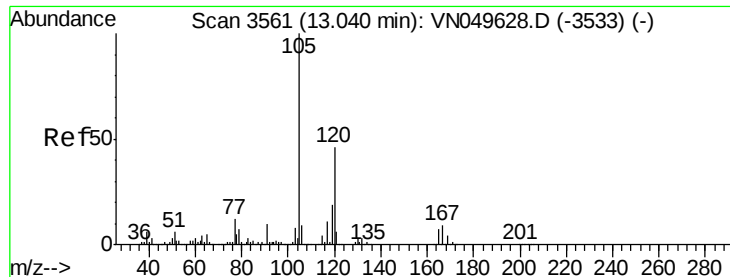
Ion Ratio Lower Upper

119 100

91 68.7 32.0 96.2

134 22.0 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.53 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

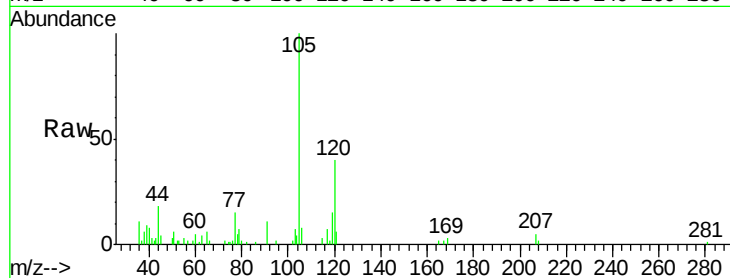
I.BLK

Tot Ion:105 Resp: 20423

Ion Ratio Lower Upper

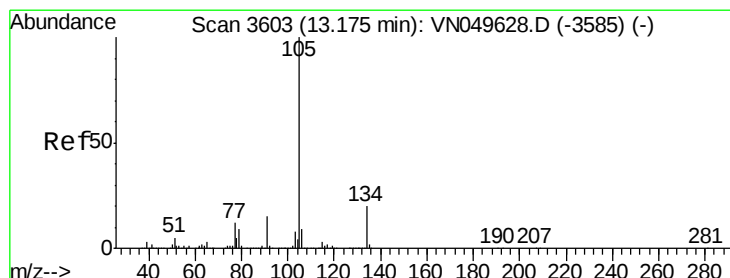
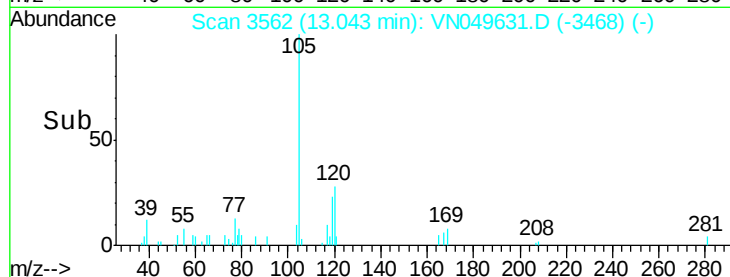
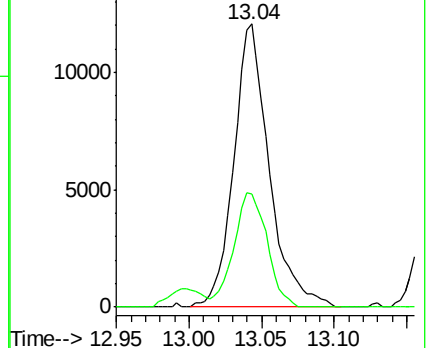
105 100

120 38.0 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049631.D

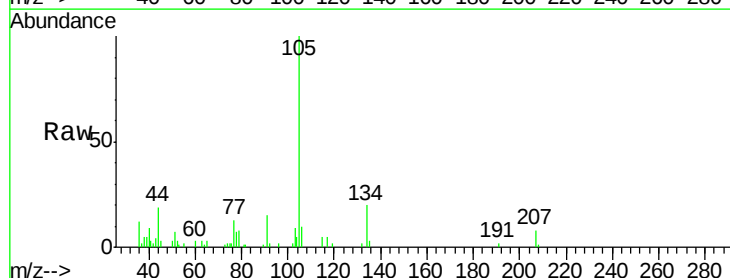
Acq: 29 Jun 2018 13:27

Tgt Ion:105 Resp: 20359

Ion Ratio Lower Upper

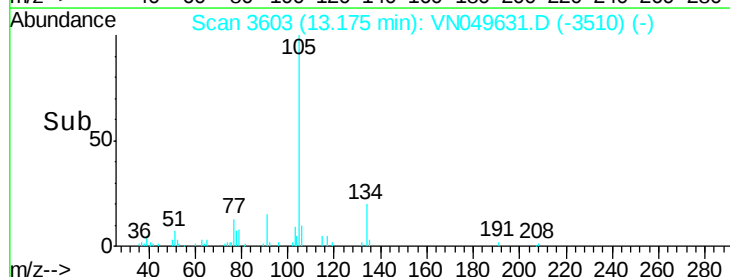
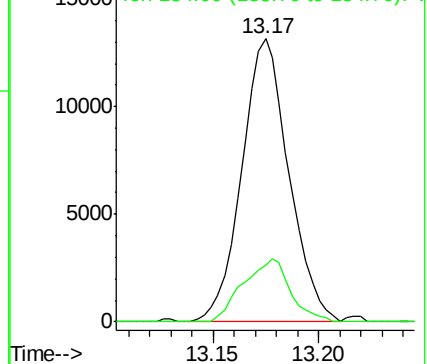
105 100

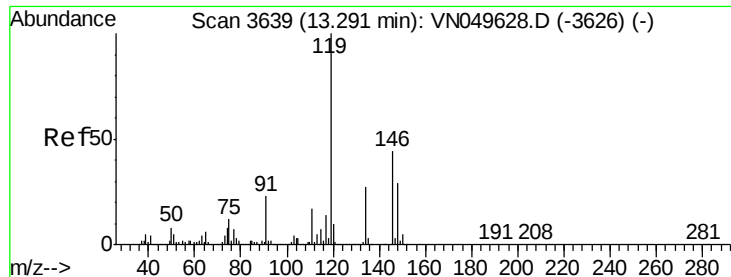
134 22.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

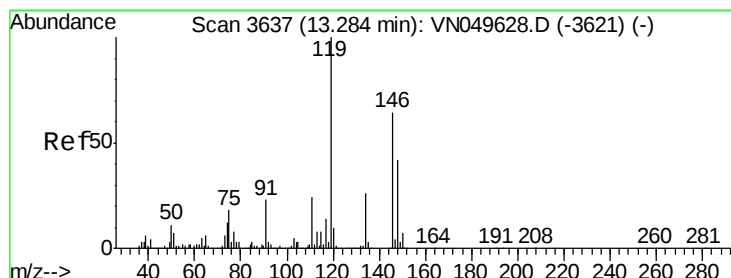
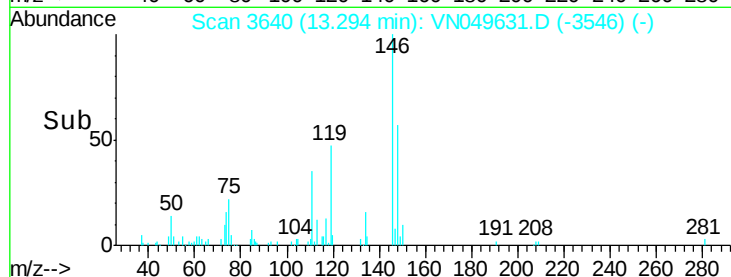
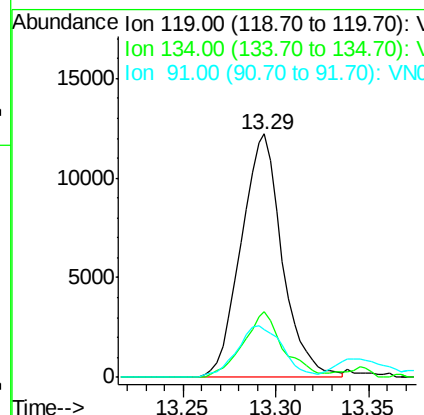
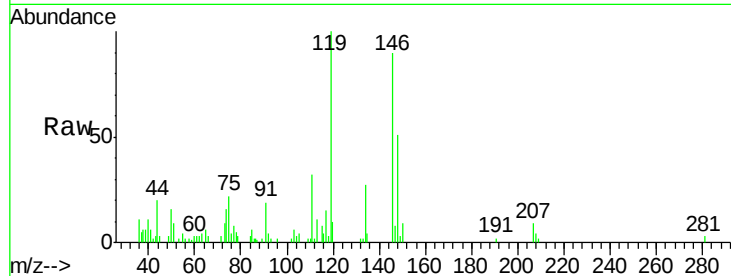




#86
p-Isopropyltoluene
Concen: 0.51 ug/l
RT: 13.29 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

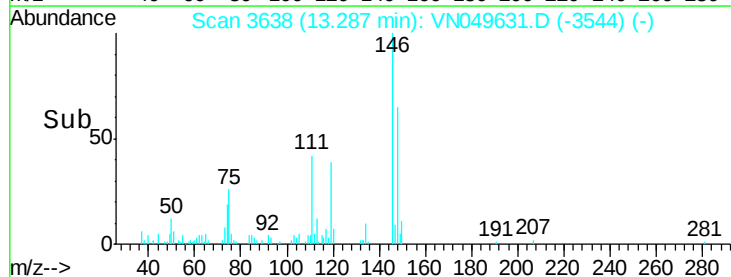
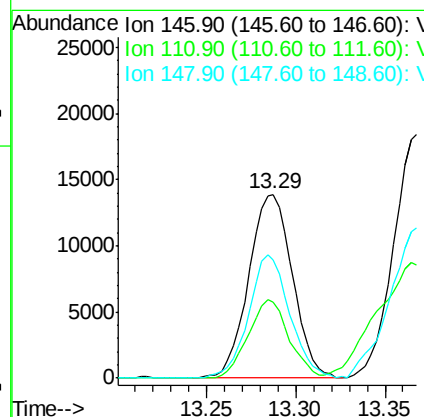
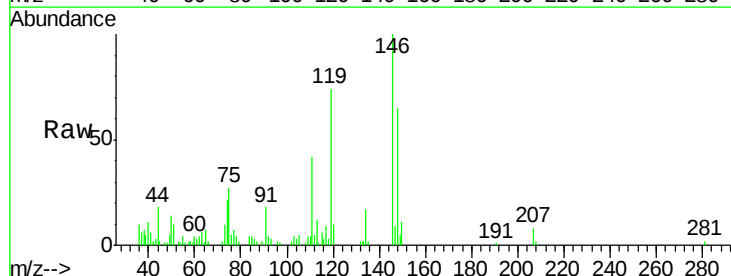
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

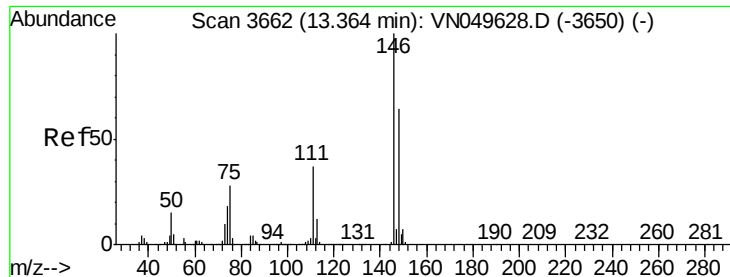
Tot Ion	119	Resp	18780
Ion Ratio	100	Lower	Upper
119	100		
134	26.2	13.3	39.9
91	23.5	11.4	34.1



#87
1,3-Dichlorobenzene
Concen: 1.05 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049631.D
Acq: 29 Jun 2018 13:27

Tgt Ion	146	Resp	23753
Ion Ratio	100	Lower	Upper
146	100		
111	39.8	19.0	57.0
148	62.8	32.5	97.5

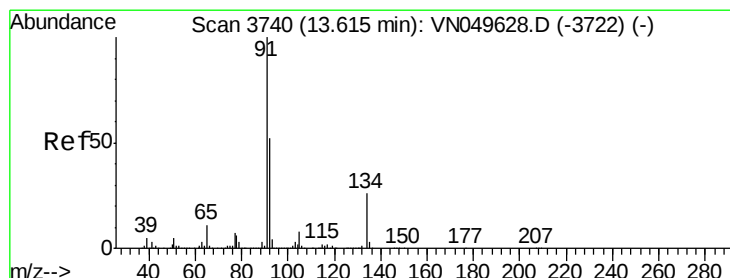
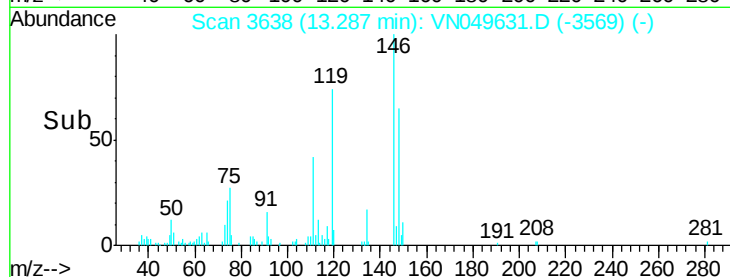
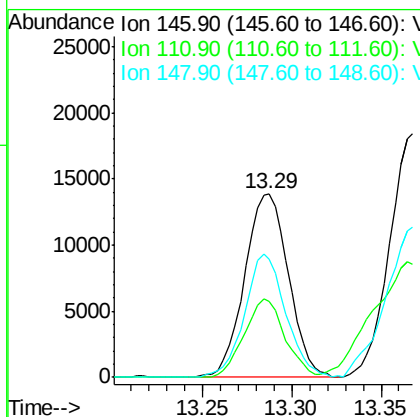
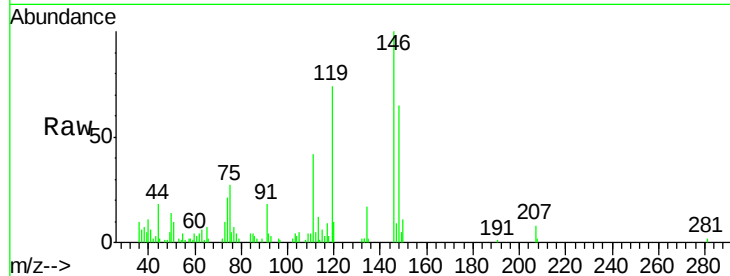




#88
 1,4-Dichlorobenzene
 Concen: 1.05 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.08 min
 Lab File: VN049631.D
 Acq: 29 Jun 2018 13:27

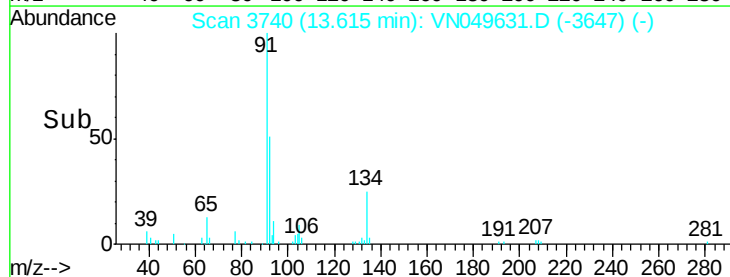
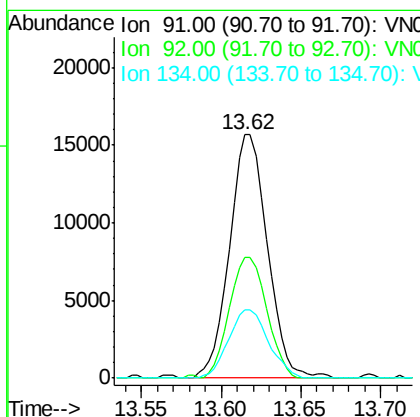
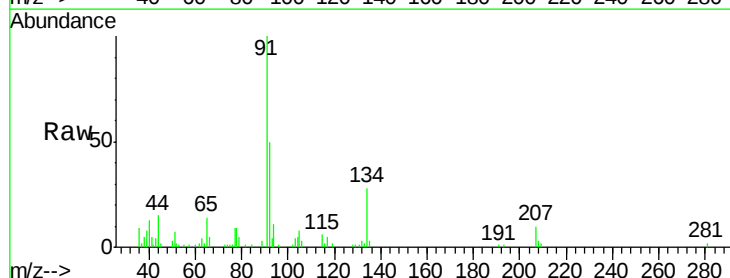
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

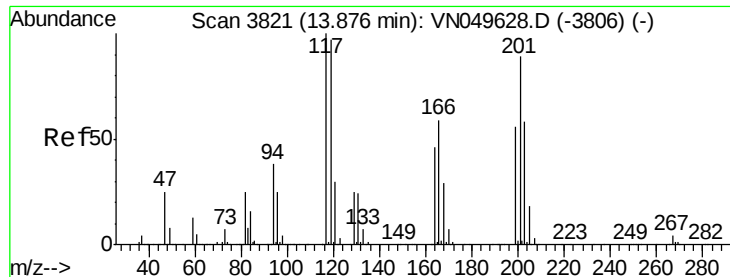
Tot Ion:146 Resp: 23753
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.9 56.5
 148 62.8 32.1 96.3



#89
 n-Butylbenzene
 Concen: 0.80 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049631.D
 Acq: 29 Jun 2018 13:27

Tgt Ion: 91 Resp: 25282
 Ion Ratio Lower Upper
 91 100
 92 48.9 25.8 77.3
 134 29.5 13.0 38.9





#90

Hexachloroethane

Concen: 0.27 ug/l

RT: 13.87 min Scan# 3819

Delta R.T. -0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

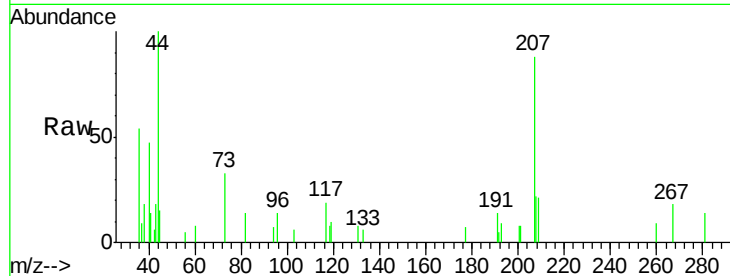
I.BLK

Tot Ion:117 Resp: 1062

Ion Ratio Lower Upper

117 100

201 74.4 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

600

500

400

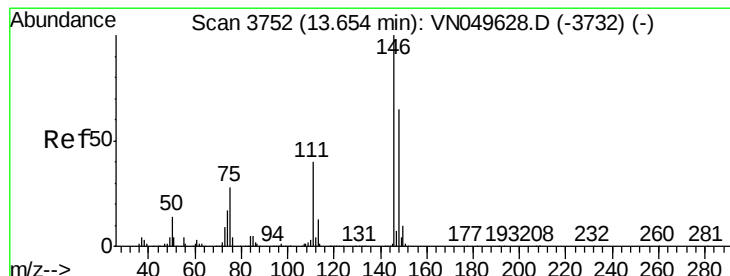
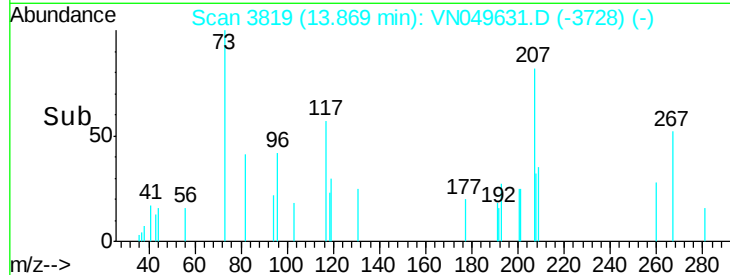
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.12 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

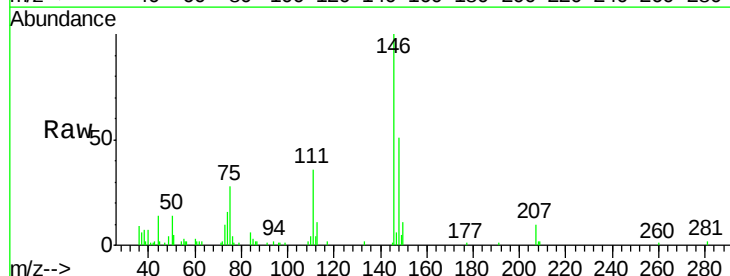
Tgt Ion:146 Resp: 24716

Ion Ratio Lower Upper

146 100

111 37.6 19.7 59.1

148 55.8 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

20000

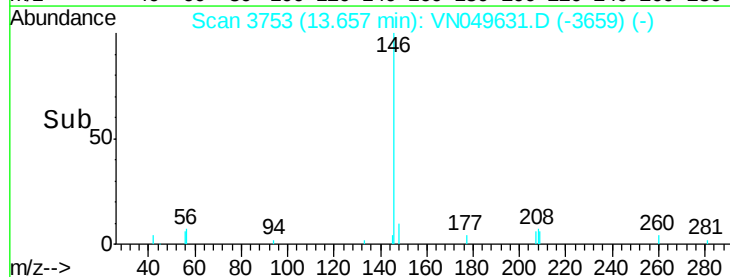
15000

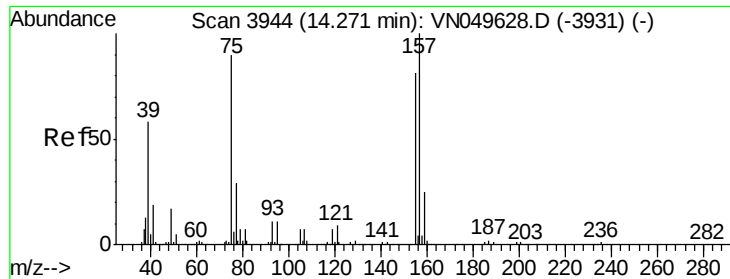
10000

5000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.59 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

I.BLK

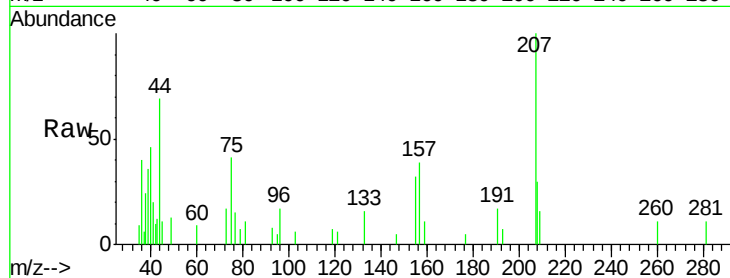
Tot Ion: 75 Resp: 2960

Ion Ratio Lower Upper

75 100

155 64.3 45.7 137.1

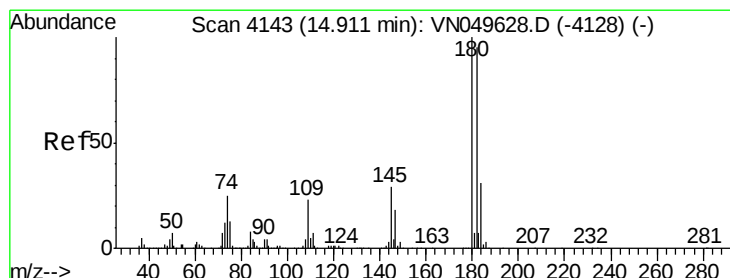
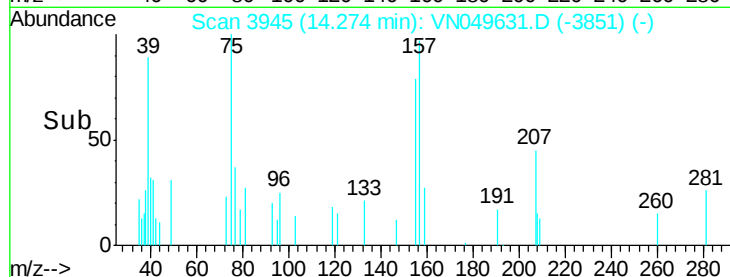
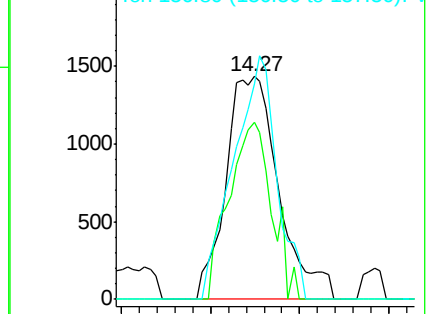
157 89.3 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): VN049631.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049631.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049631.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.84 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

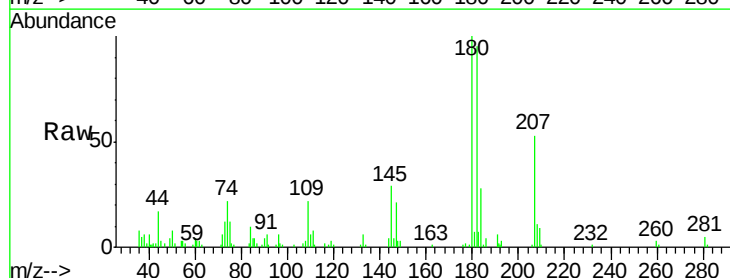
Tgt Ion: 180 Resp: 28871

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.9

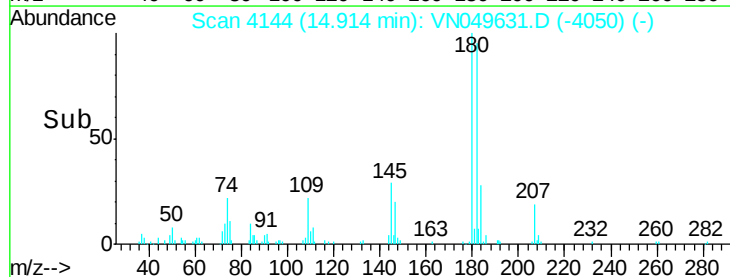
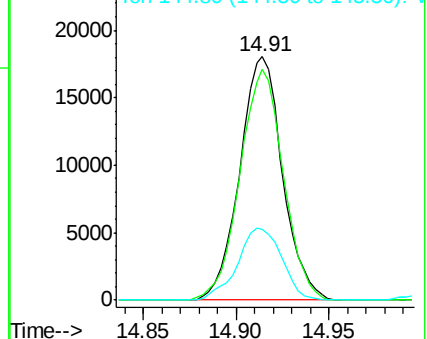
145 30.5 14.4 43.0

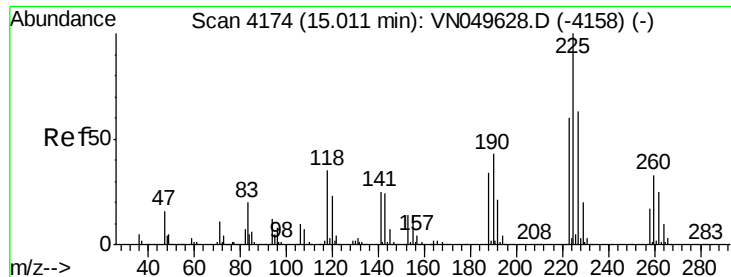


Abundance Ion 179.80 (179.50 to 180.50): VN049631.D (-4050) (-)

Ion 181.80 (181.50 to 182.50): VN049631.D (-4050) (-)

Ion 144.80 (144.50 to 145.50): VN049631.D (-4050) (-)





#94

Hexachlorobutadiene

Concen: 2.95 ug/l

RT: 15.02 min Scan# 4176

Delta R.T. 0.01 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

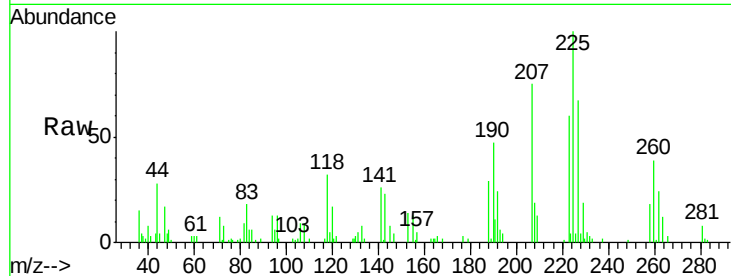
Tot Ion:225 Resp: 20748

Ion Ratio Lower Upper

225 100

223 64.9 30.9 92.7

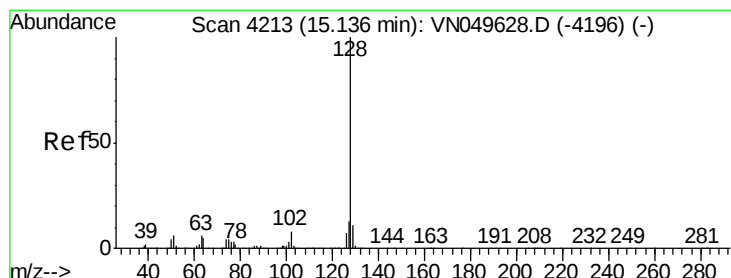
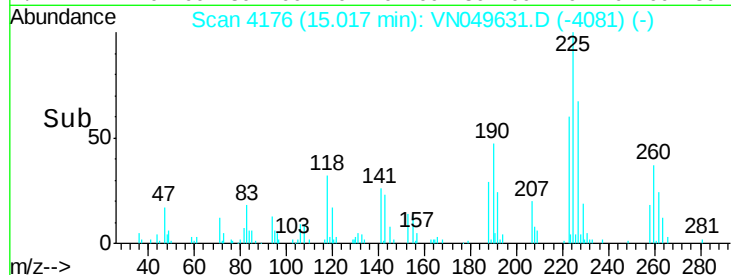
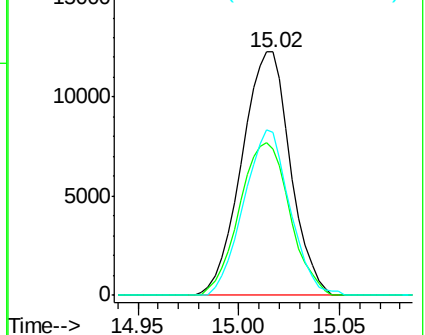
227 64.4 31.8 95.4



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: 3.56 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049631.D

Acq: 29 Jun 2018 13:27

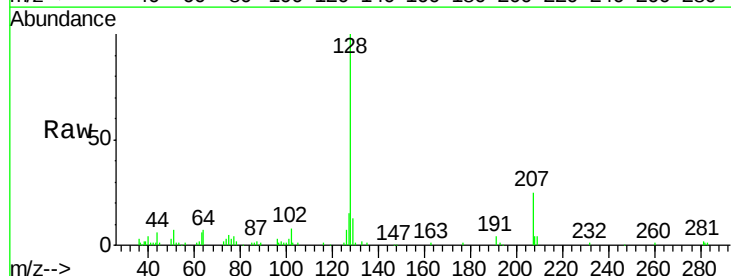
Tgt Ion:128 Resp: 77477

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

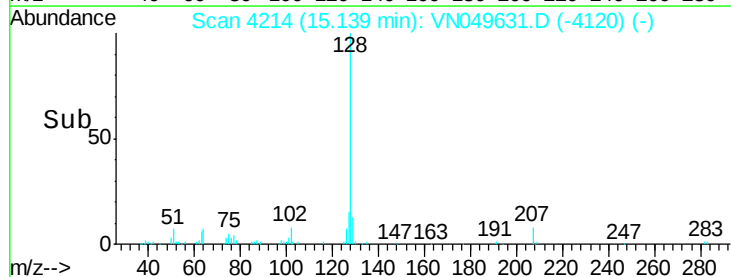
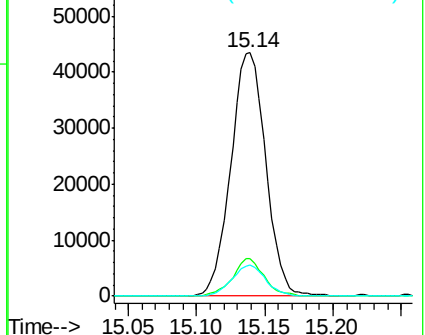
129 12.2 8.6 13.0

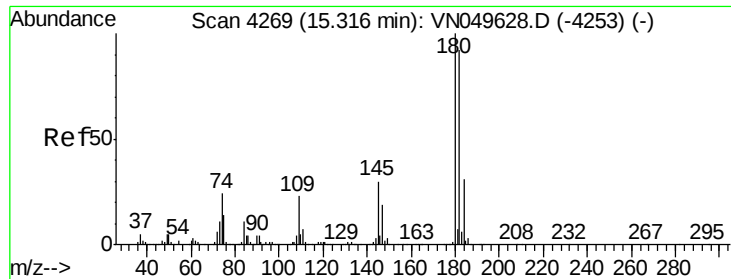


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

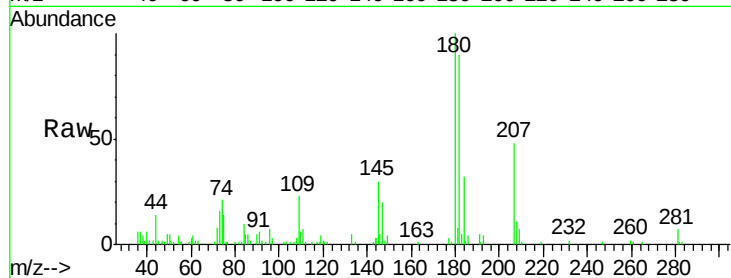




#96
 1,2,3-Trichlorobenzene
 Concen: 3.59 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049631.D
 Acq: 29 Jun 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:180 Resp: 37474
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.4 142.2
 145 33.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

