

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049584.D
 Acq On : 28 Jun 2018 12:50
 Operator : MD\SY
 Sample : VN0628WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 01:36:13 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	7.66	168	1508836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2265430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2016893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1072780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	945834	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	7.59	113	837644	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
50) Toluene-d8	10.09	98	3260755	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	1101102	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	352183	20.28	ug/l	100
3) Chloromethane	2.06	50	401464	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	445651	18.70	ug/l	99
5) Bromomethane	2.56	94	212274	16.94	ug/l	100
6) Chloroethane	2.70	64	273215	19.23	ug/l	98
7) Trichlorofluoromethane	3.02	101	489476	16.46	ug/l	98
8) Diethyl Ether	3.41	74	192588	18.55	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	366572	19.44	ug/l	92
10) Methyl Iodide	3.95	142	436751	22.25	ug/l	91
11) Tert butyl alcohol	4.79	59	102839	87.55	ug/l	98
12) 1,1-Dichloroethene	3.73	96	327610	18.94	ug/l	91
13) Acrolein	3.60	56	121632	98.75	ug/l	98
14) Allyl chloride	4.32	41	440936	16.14	ug/l	88
15) Acrylonitrile	4.99	53	533590	90.85	ug/l	99
16) Acetone	3.82	43	388998	80.06	ug/l	91
17) Carbon Disulfide	4.05	76	972962	17.94	ug/l	100
18) Methyl Acetate	4.33	43	435158	29.37	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	864973	19.61	ug/l	99
20) Methylene Chloride	4.55	84	372399	18.35	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	343790	18.77	ug/l	91
22) Diisopropyl ether	5.95	45	1068758	19.59	ug/l	96
23) Vinyl Acetate	5.90	43	3438242	96.68	ug/l	96
24) 1,1-Dichloroethane	5.85	63	659683	18.89	ug/l	98
25) 2-Butanone	6.84	43	570895	87.50	ug/l	97
26) 2,2-Dichloropropane	6.82	77	546381	19.38	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	388701	19.09	ug/l	92
28) Bromochloromethane	7.19	49	298350	19.27	ug/l #	81
29) Tetrahydrofuran	7.21	42	391929	93.32	ug/l	93
30) Chloroform	7.37	83	655105	18.85	ug/l	100
31) Cyclohexane	7.65	56	592956	19.93	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	572898	19.32	ug/l	97
36) 1,1-Dichloropropene	7.79	75	499558	19.24	ug/l	98
37) Ethyl Acetate	6.93	43	276226	19.57	ug/l	96
38) Carbon Tetrachloride	7.77	117	485988	18.08	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
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Quant Time: Jun 29 01:36:13 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)

39) Methylcyclohexane	9.08	83	546952	19.62	ug/l	96
40) Benzene	8.04	78	1504846	18.90	ug/l	98
41) Methacrylonitrile	7.17	41	134492	17.62	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	471651	19.18	ug/l	97
43) Isopropyl Acetate	8.17	43	670943	24.88	ug/l	96
44) Trichloroethene	8.83	130	433960	20.64	ug/l	94
45) 1,2-Dichloropropane	9.12	63	393723	18.89	ug/l	99
46) Dibromomethane	9.21	93	227768	18.85	ug/l	90
47) Bromodichloromethane	9.40	83	492034	18.53	ug/l	99
48) Methyl methacrylate	9.20	41	238782	18.80	ug/l	88
49) 1,4-Dioxane	9.20	88	64551	368.27	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1359558	96.19	ug/l	95
52) Toluene	10.16	92	913948	19.56	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	456810	17.98	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	551091	18.37	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	326015	18.72	ug/l	96
56) Ethyl methacrylate	10.43	69	387689	19.29	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	536724	18.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	882314	130.12	ug/l	94
59) 2-Hexanone	10.75	43	900022	98.77	ug/l	93
60) Dibromochloromethane	10.90	129	358367	18.44	ug/l	97
61) 1,2-Dibromoethane	11.01	107	313472	19.36	ug/l	99
64) Tetrachloroethene	10.63	164	498781	24.13	ug/l	98
65) Chlorobenzene	11.43	112	986539	18.99	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	358698	18.35	ug/l	99
67) Ethyl Benzene	11.51	91	1667873	19.35	ug/l	96
68) m/p-Xylenes	11.62	106	1318639	40.77	ug/l	96
69) o-Xylene	11.95	106	628470	20.17	ug/l	96
70) Styrene	11.97	104	1020224	20.76	ug/l	97
71) Bromoform	12.13	173	233797	18.47	ug/l #	99
73) Isopropylbenzene	12.25	105	1641703	17.43	ug/l	98
74) N-amyl acetate	12.07	43	430517	18.66	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	350582	16.60	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	460829	25.18	ug/l #	100
77) Bromobenzene	12.53	156	418657	16.83	ug/l	91
78) n-propylbenzene	12.59	91	1923784	18.60	ug/l	99
79) 2-Chlorotoluene	12.68	91	1163657	17.76	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1410446	19.05	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	89885	15.52	ug/l	97
82) 4-Chlorotoluene	12.77	91	1186163	18.76	ug/l	97
83) tert-Butylbenzene	12.99	119	1161348	17.71	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1443325	19.62	ug/l	99
85) sec-Butylbenzene	13.17	105	1587704	18.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	1386026	19.00	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	774895	18.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	746643	18.40	ug/l	99
89) n-Butylbenzene	13.62	91	1148487	20.16	ug/l	98
90) Hexachloroethane	13.88	117	161849	10.38	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	756770	18.85	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58065	17.71	ug/l	85

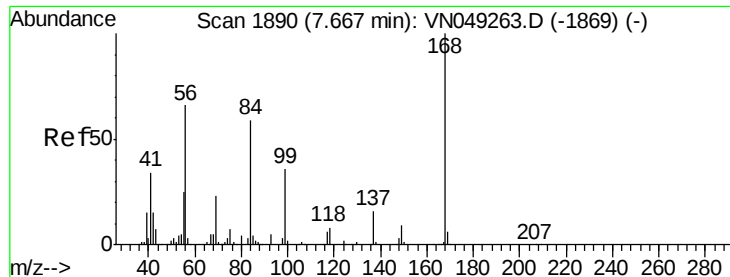
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
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Acq On : 28 Jun 2018 12:50
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	347279	21.83	ug/l	99
94) Hexachlorobutadiene	15.01	225	248251	19.48	ug/l	99
95) Naphthalene	15.14	128	686270	23.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	340478	21.08	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

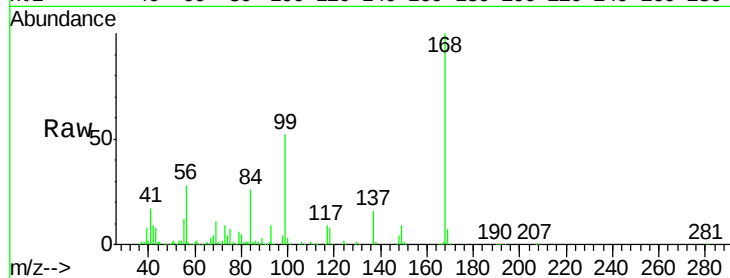
ClientSampleId :

Tot Ion:168 Resp: 1508836

Ion Ratio Lower Upper

168 100

99 51.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

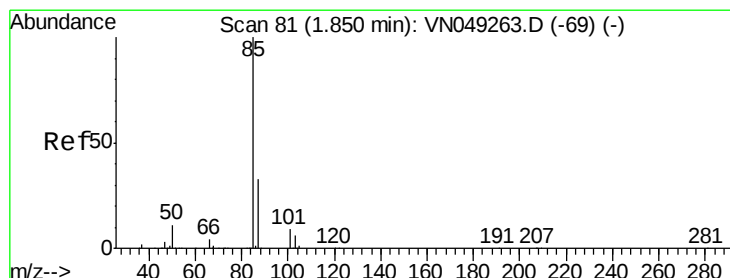
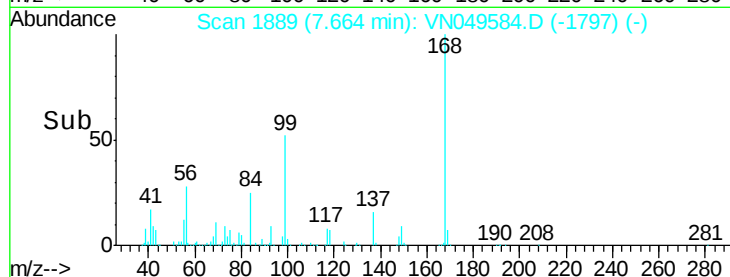
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.28 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049584.D

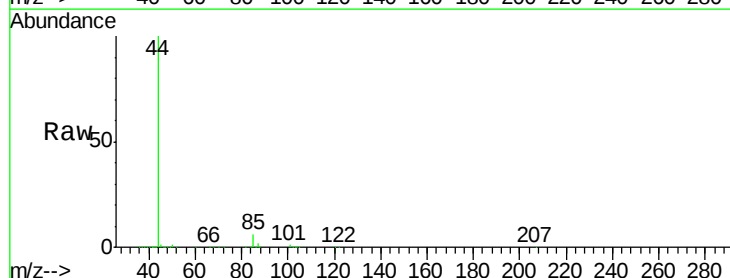
Acq: 28 Jun 2018 12:50

Tgt Ion: 85 Resp: 352183

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

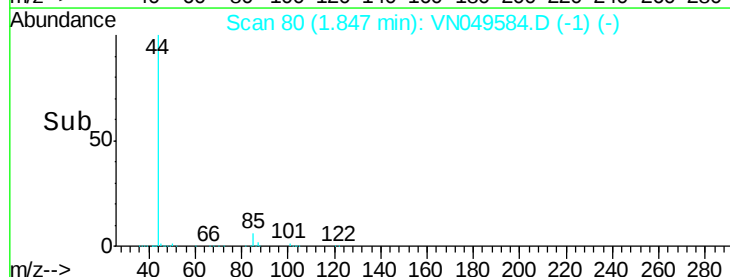
150000

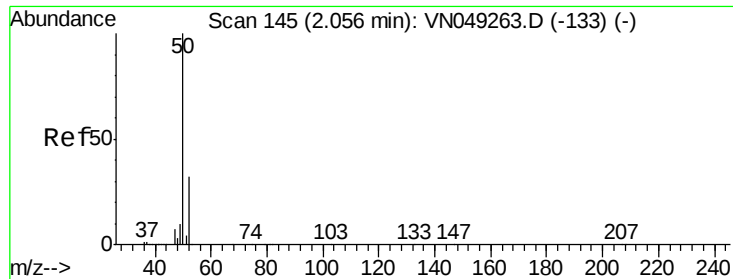
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.90 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

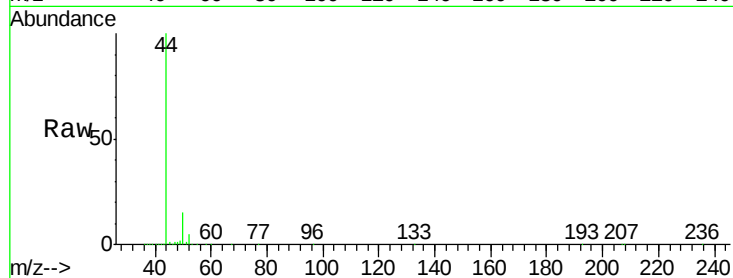
ClientSampleId :

Tot Ion: 50 Resp: 401464

Ion Ratio Lower Upper

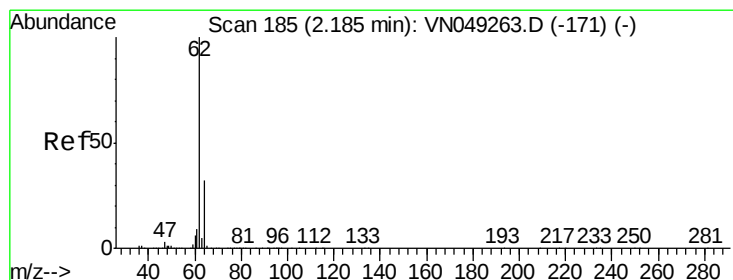
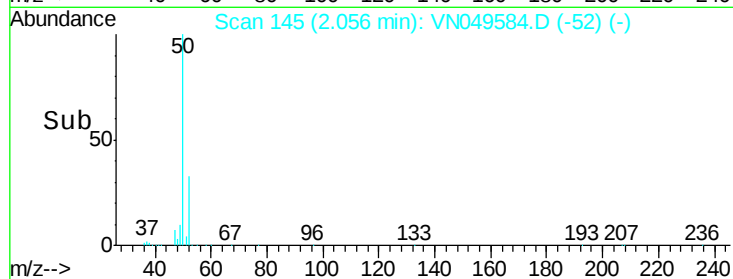
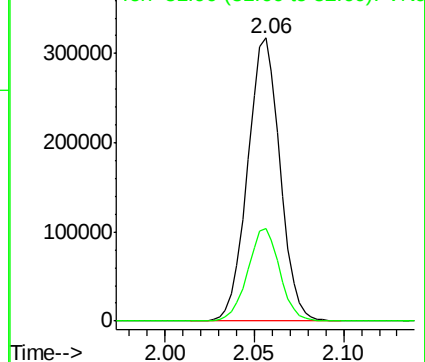
50 100

52 32.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049584.D

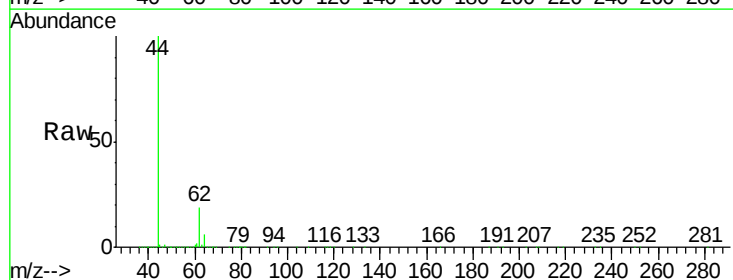
Acq: 28 Jun 2018 12:50

Tgt Ion: 62 Resp: 445651

Ion Ratio Lower Upper

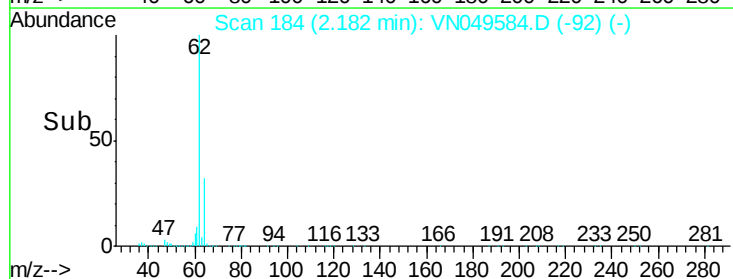
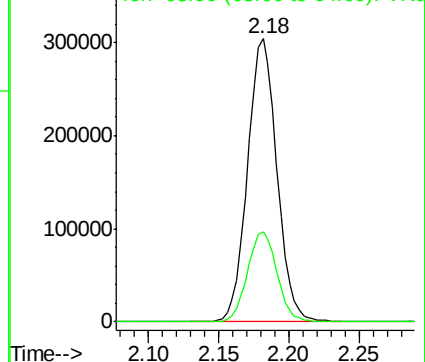
62 100

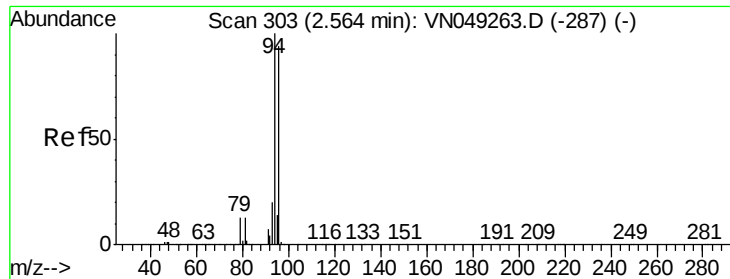
64 31.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.94 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

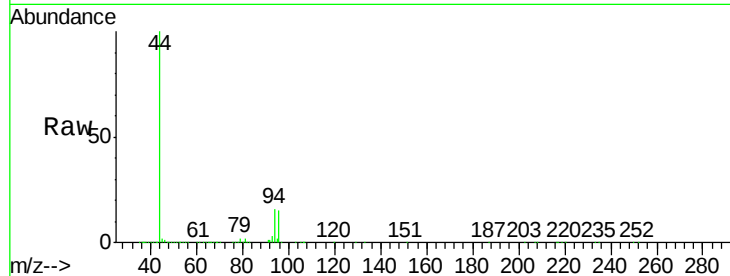
ClientSampled :

Tot Ion: 94 Resp: 212274

Ion Ratio Lower Upper

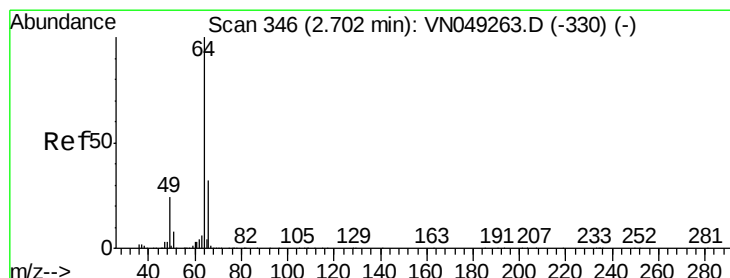
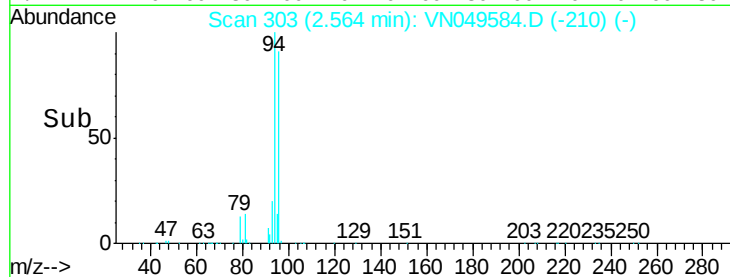
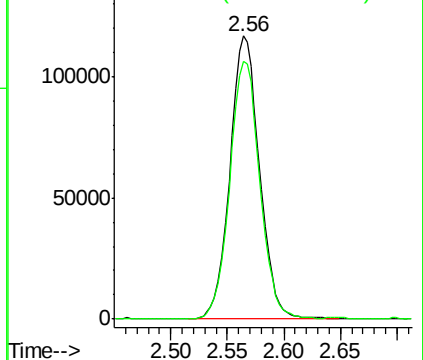
94 100

96 90.8 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: 19.23 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049584.D

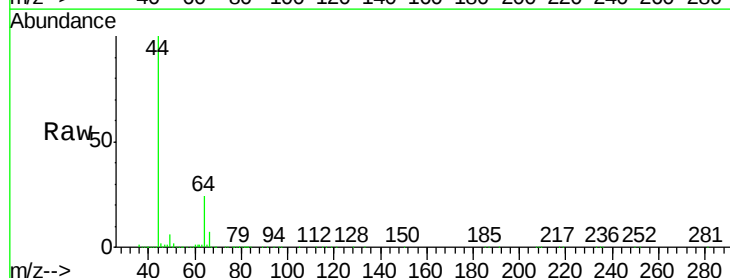
Acq: 28 Jun 2018 12:50

Tgt Ion: 64 Resp: 273215

Ion Ratio Lower Upper

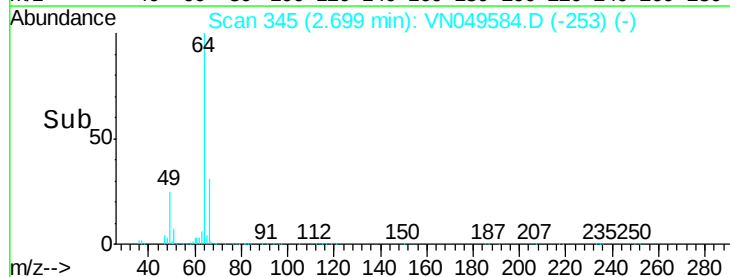
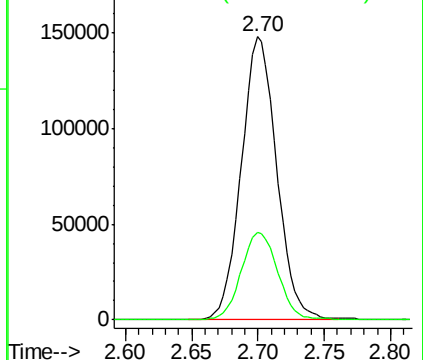
64 100

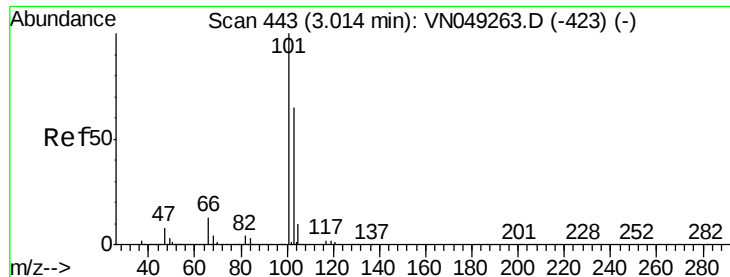
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



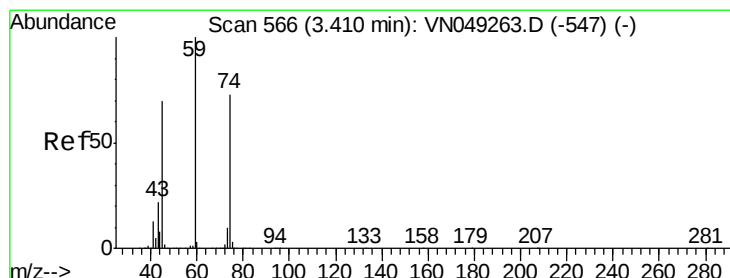
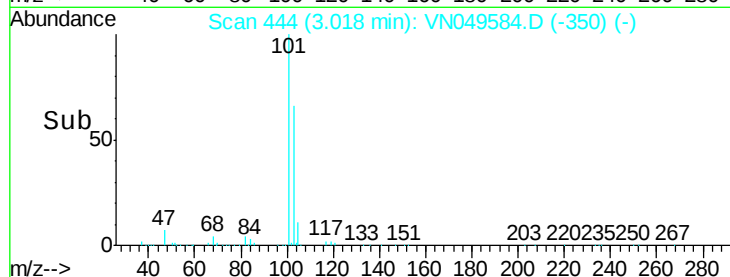
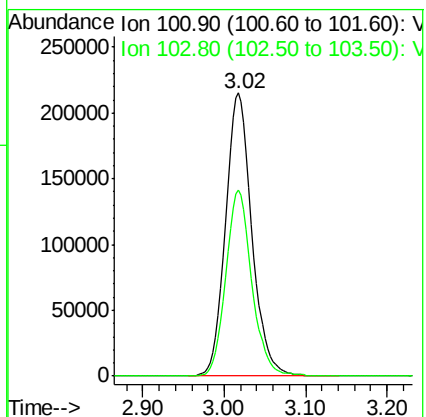
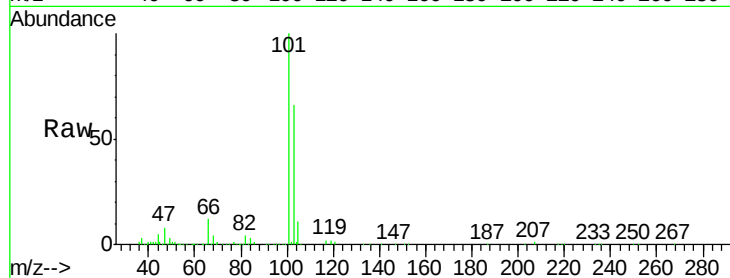


#7

Trichlorofluoromethane
Concen: 16.46 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :

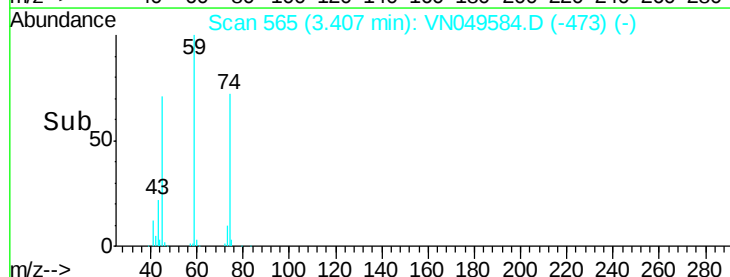
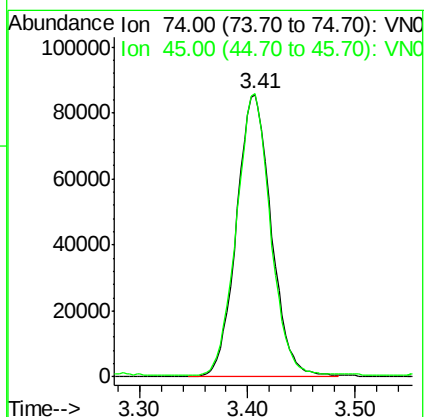
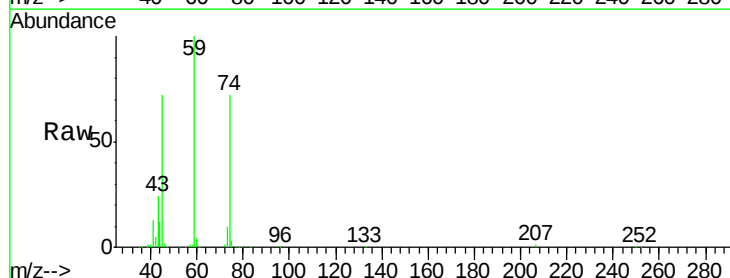
Tot Ion:101 Resp: 489476
Ion Ratio Lower Upper
101 100
103 65.8 51.7 77.5

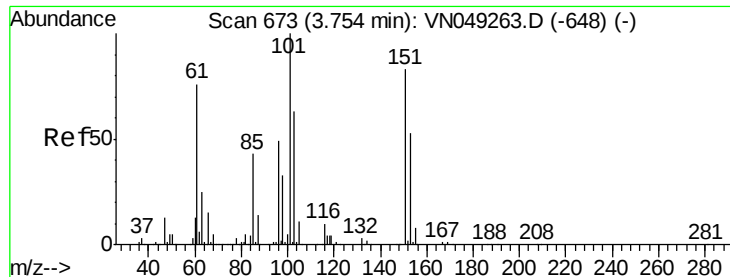


#8

Diethyl Ether
Concen: 18.55 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 74 Resp: 192588
Ion Ratio Lower Upper
74 100
45 96.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

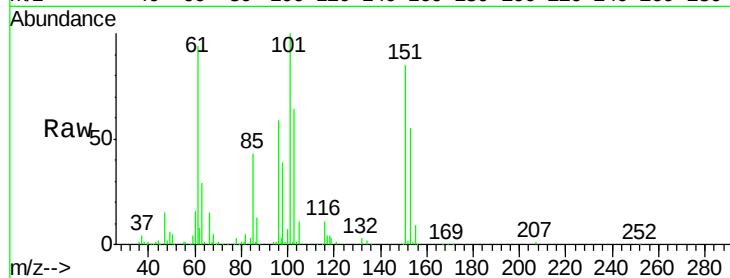
Tot Ion:101 Resp: 366572

Ion Ratio Lower Upper

101 100

85 43.0 37.6 56.4

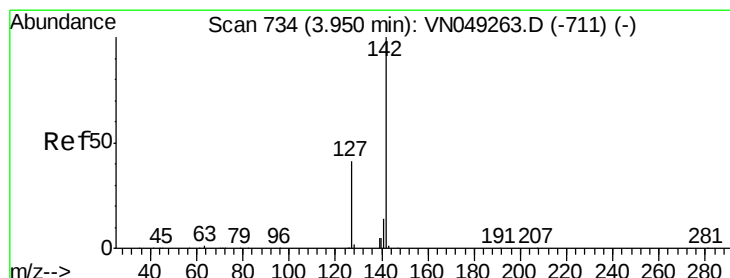
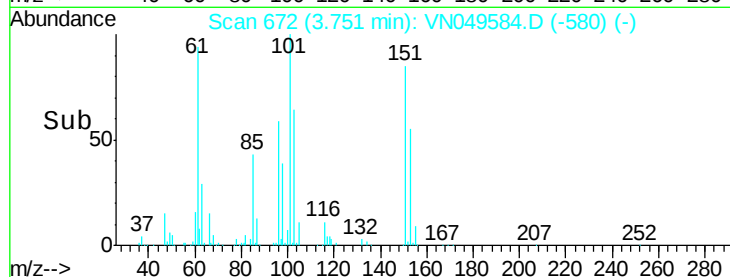
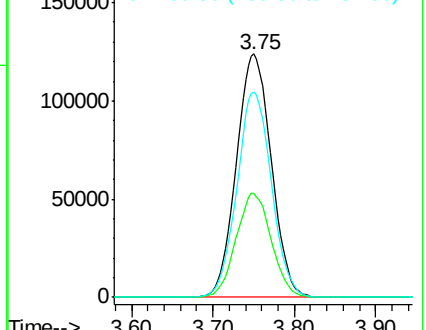
151 83.7 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN049584.D (-641) (-)

Ion 150.80 (150.50 to 151.50): VN049584.D (-641) (-)



#10

Methyl Iodide

Concen: 22.25 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

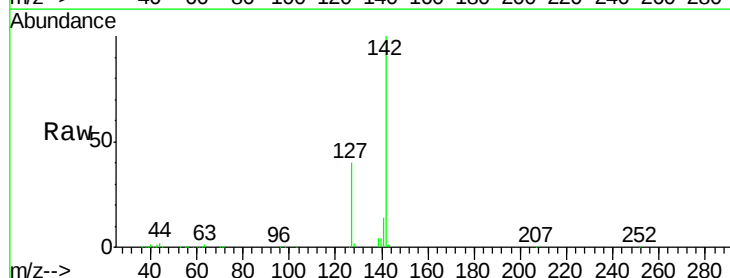
Tgt Ion:142 Resp: 436751

Ion Ratio Lower Upper

142 100

127 40.5 38.2 57.4

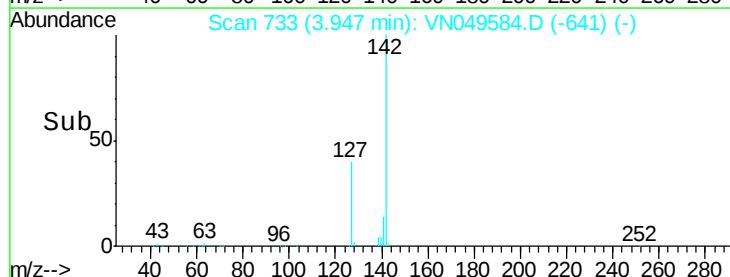
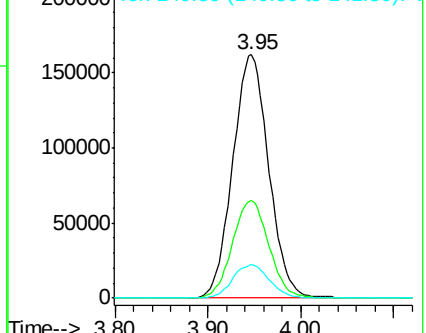
141 14.0 11.9 17.9

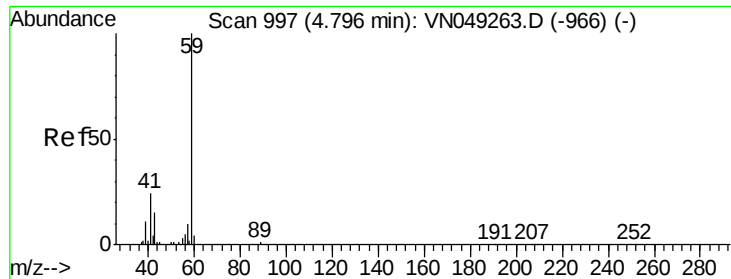


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN049584.D (-641) (-)

Ion 140.80 (140.50 to 141.50): VN049584.D (-641) (-)



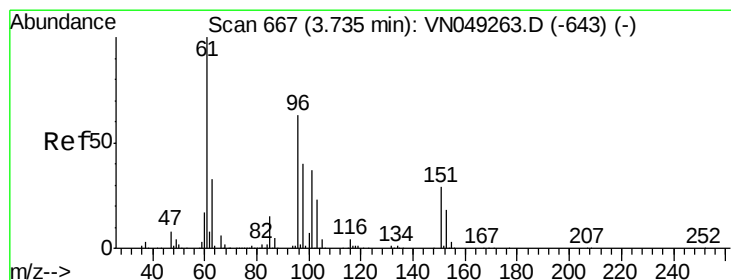
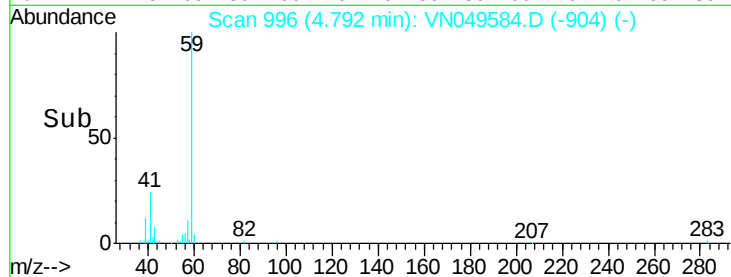
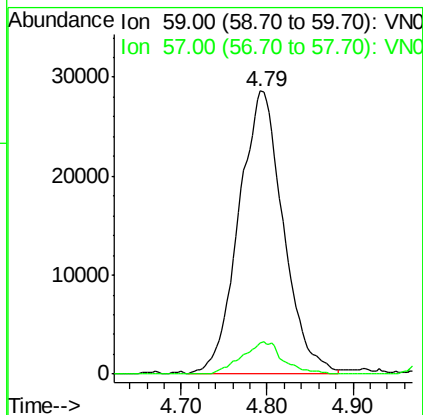
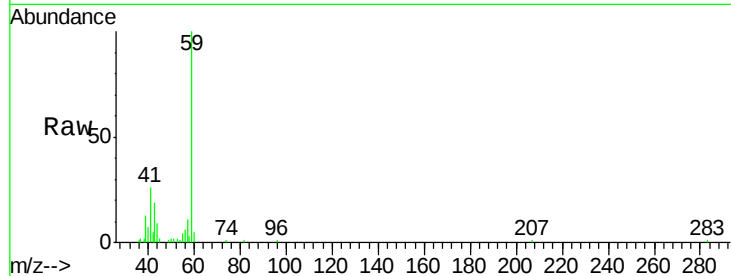


#11

Tert butyl alcohol
 Concen: 87.55 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :

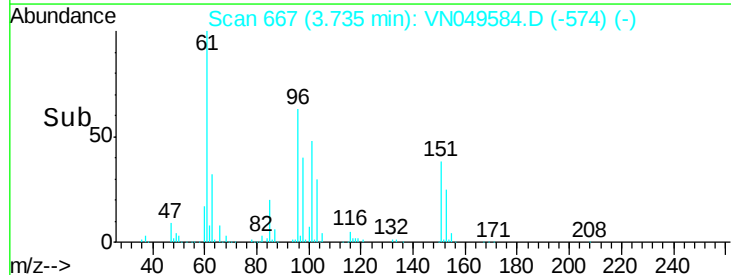
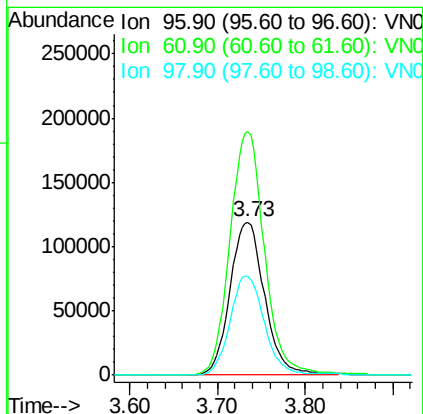
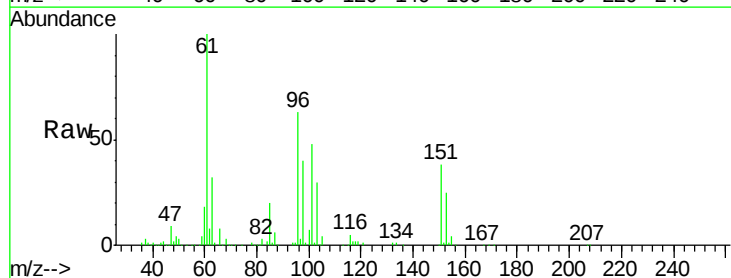
Tot Ion: 59 Resp: 102839
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.6

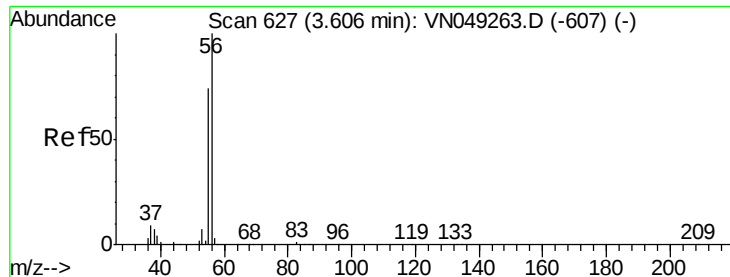


#12

1,1-Dichloroethene
 Concen: 18.94 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion: 96 Resp: 327610
 Ion Ratio Lower Upper
 96 100
 61 159.1 141.0 211.4
 98 64.3 50.4 75.6





#13

Acrolein

Concen: 98.75 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

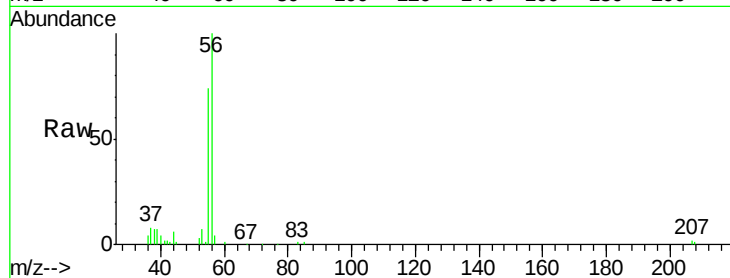
ClientSampled :

Tot Ion: 56 Resp: 121632

Ion Ratio Lower Upper

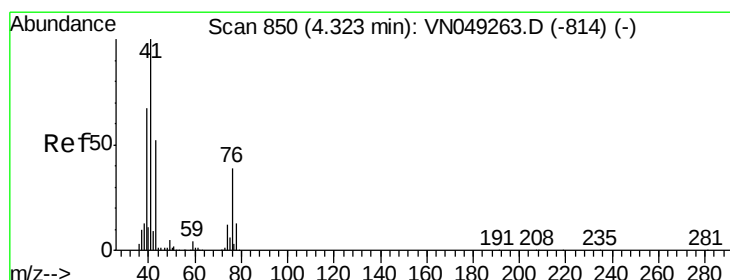
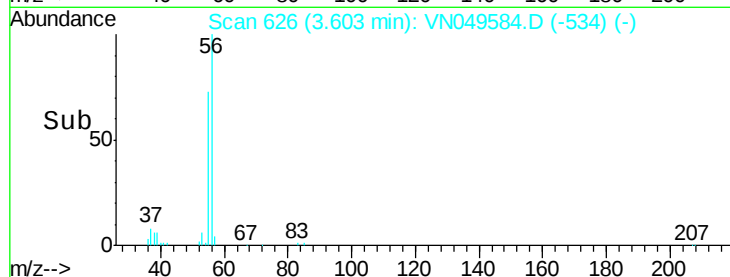
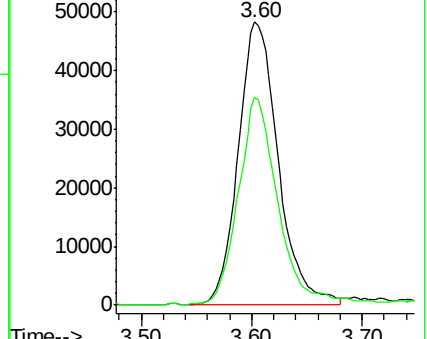
56 100

55 73.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-607) (-)



#14

Allyl chloride

Concen: 16.14 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

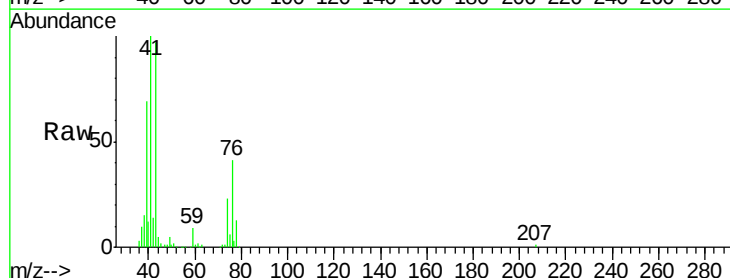
Tgt Ion: 41 Resp: 440936

Ion Ratio Lower Upper

41 100

39 66.1 62.5 93.7

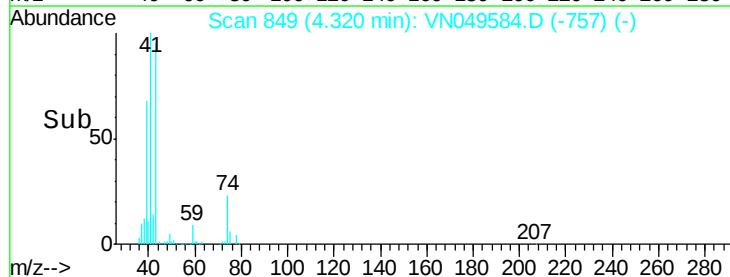
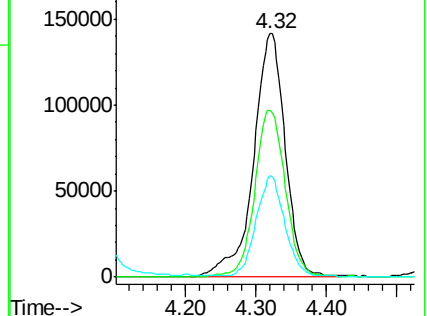
76 37.5 27.1 40.7

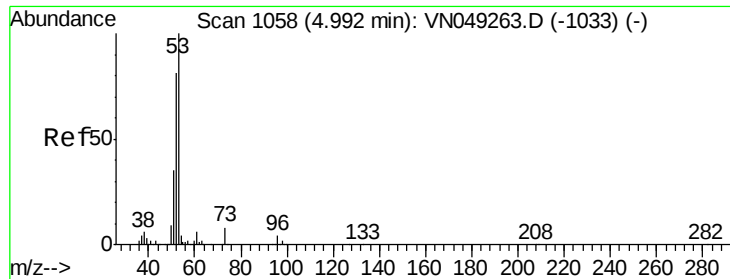


Abundance Ion 41.00 (40.70 to 41.70): VN049263.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN049263.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN049263.D (-814) (-)

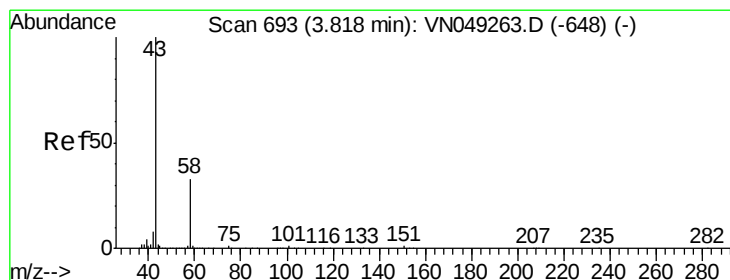
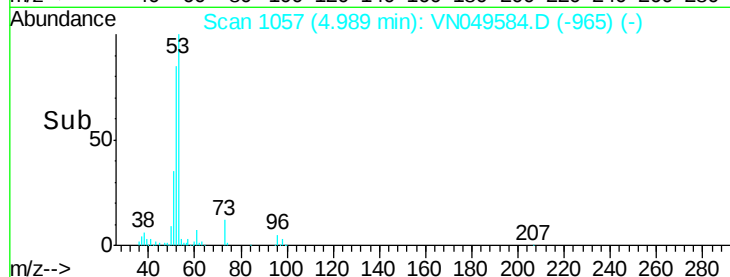
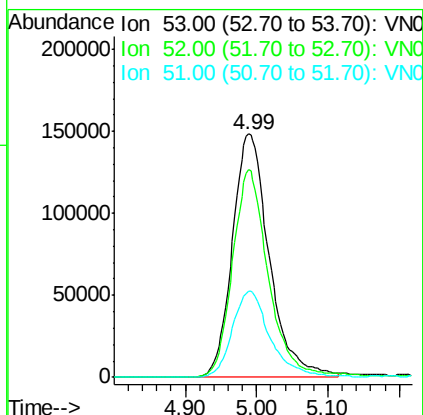
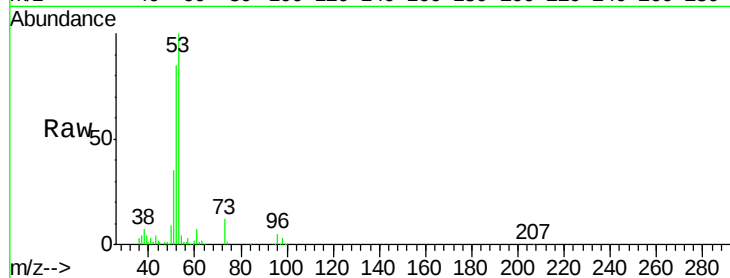




#15
 Acrylonitrile
 Concen: 90.85 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

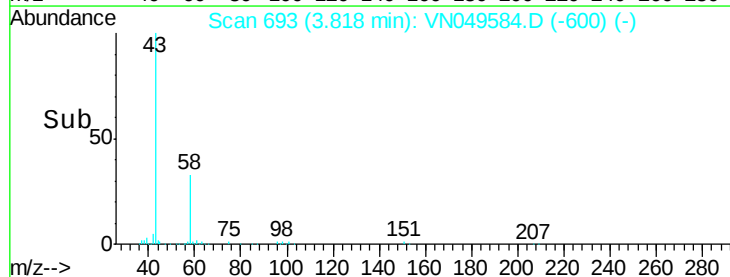
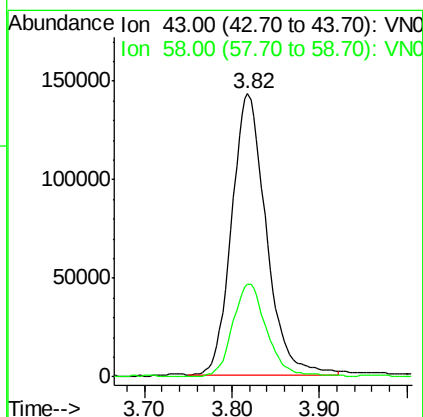
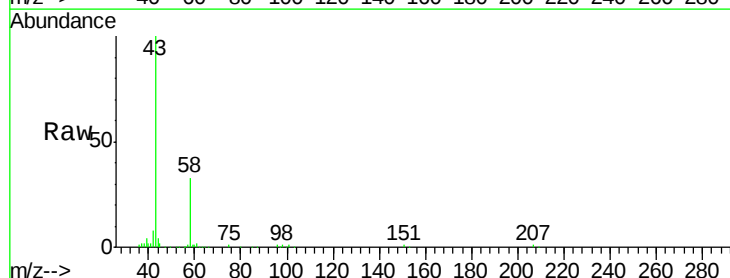
Instrument :
 MSVOA_N
 ClientSampleId :

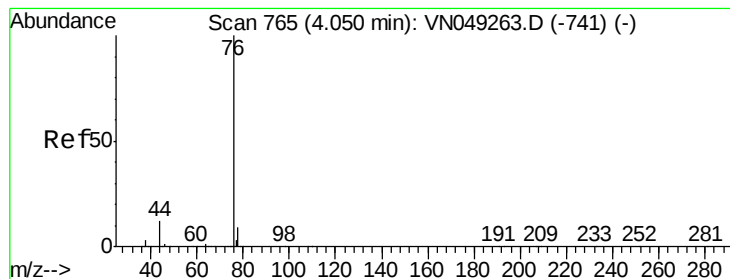
Tot Ion	53	Resp	533590
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	100.0
51	36.5	29.8	44.8



#16
 Acetone
 Concen: 80.06 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion	43	Resp	388998
Ion Ratio	Lower	Upper	
43	100		
58	33.0	22.4	33.6





#17

Carbon Disulfide

Concen: 17.94 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

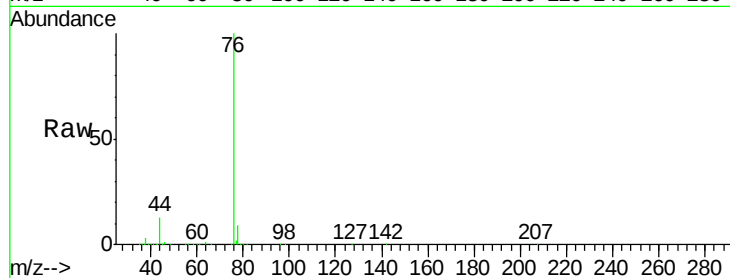
ClientSampled :

Tot Ion: 76 Resp: 972962

Ion Ratio Lower Upper

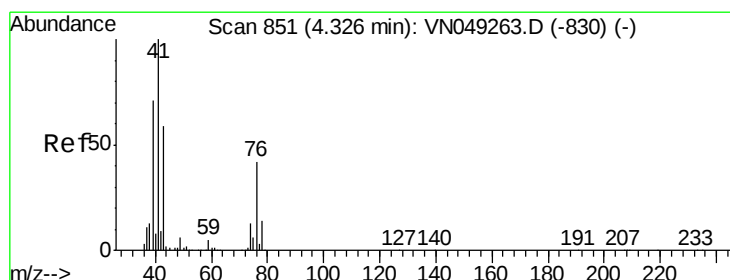
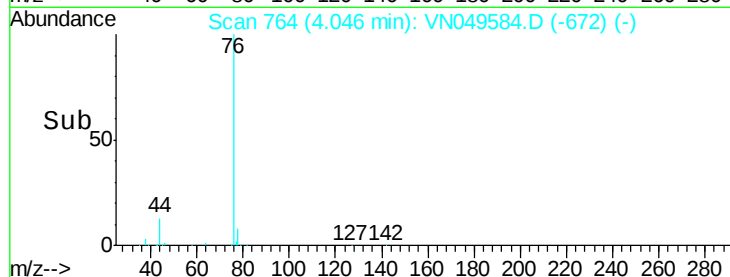
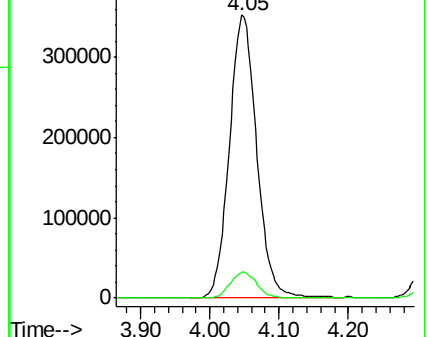
76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049263.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-741) (-)



#18

Methyl Acetate

Concen: 29.37 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049584.D

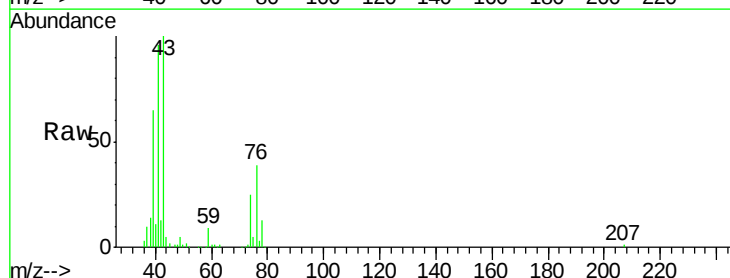
Acq: 28 Jun 2018 12:50

Tgt Ion: 43 Resp: 435158

Ion Ratio Lower Upper

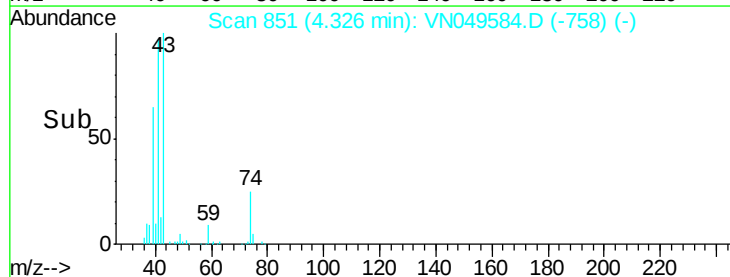
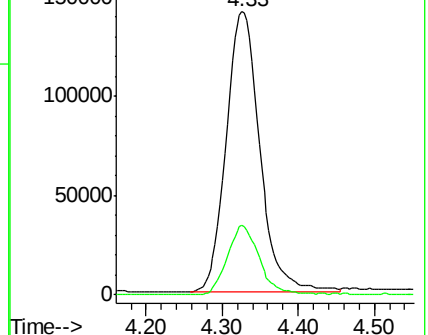
43 100

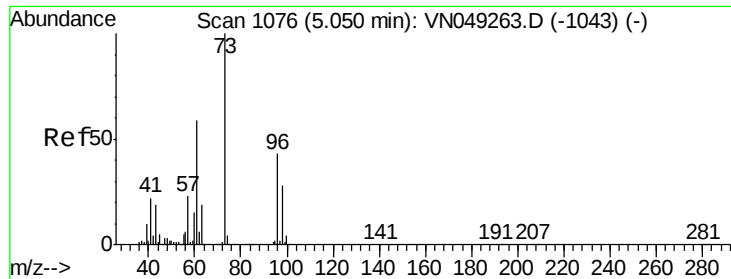
74 23.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049263.D (-830) (-)

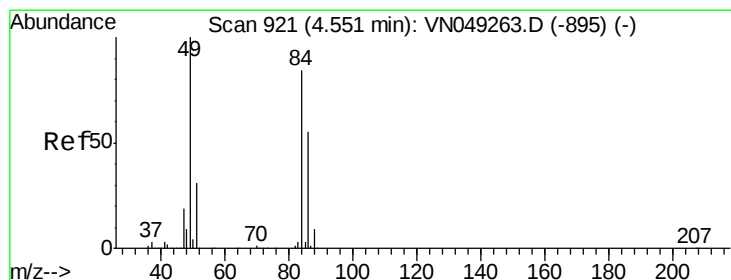
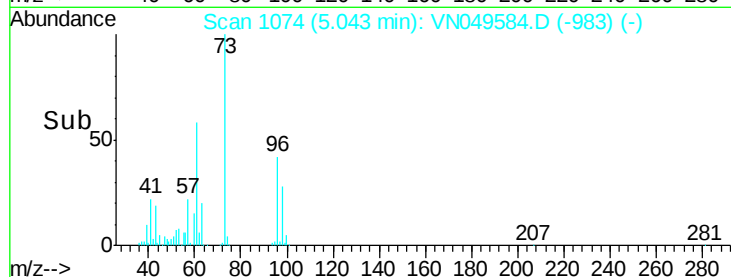
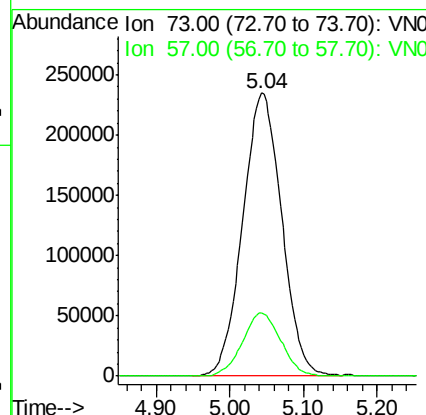
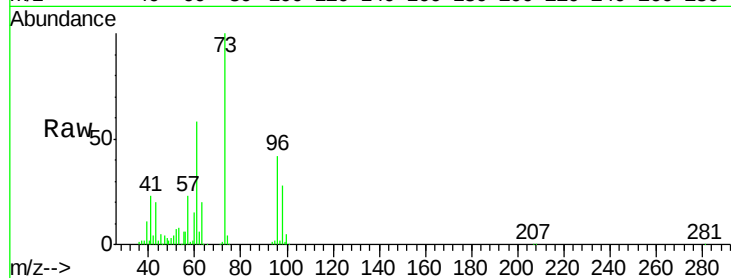




#19
Methyl tert-butyl Ether
Concen: 19.61 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

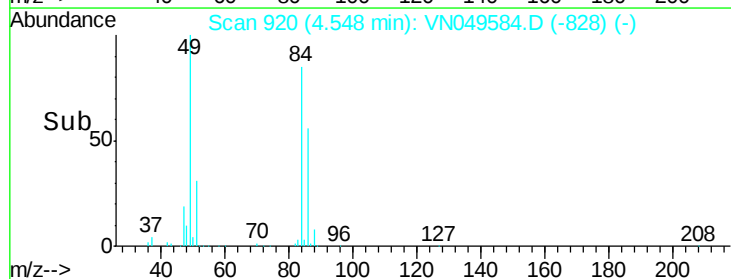
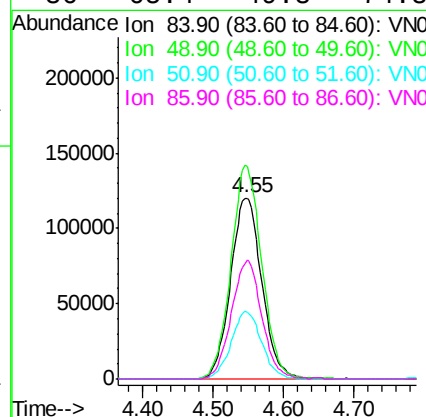
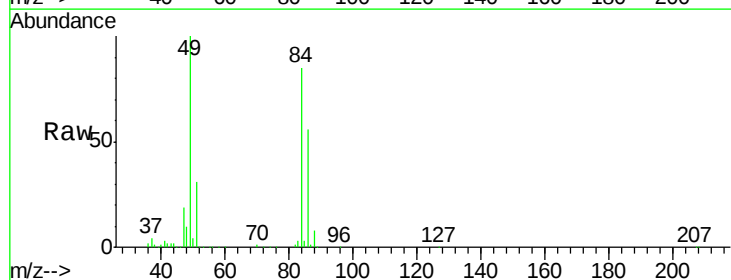
Instrument :
MSVOA_N
ClientSampled :

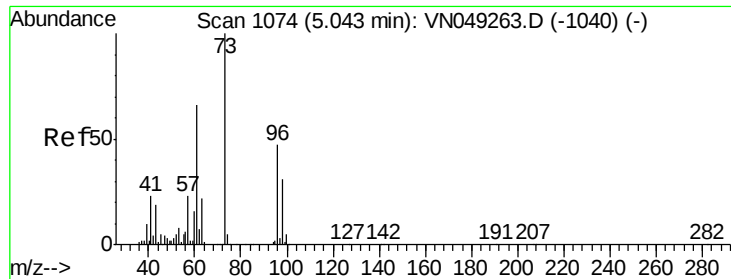
Tot Ion: 73 Resp: 864973
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 18.35 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 84 Resp: 372399
Ion Ratio Lower Upper
84 100
49 117.4 106.9 160.3
51 37.0 32.7 49.1
86 65.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

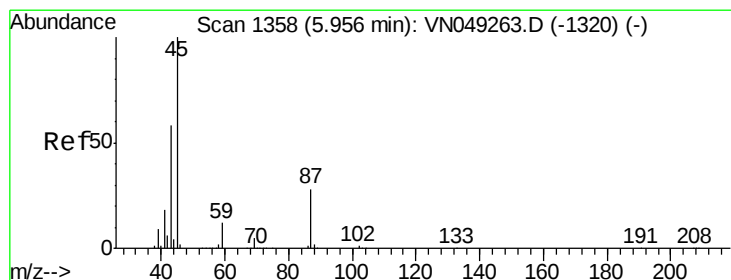
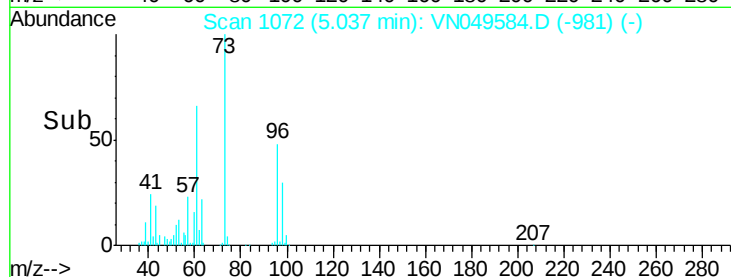
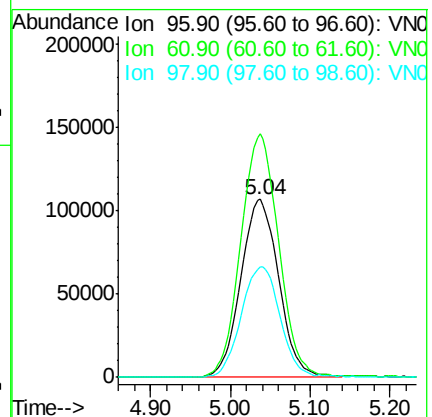
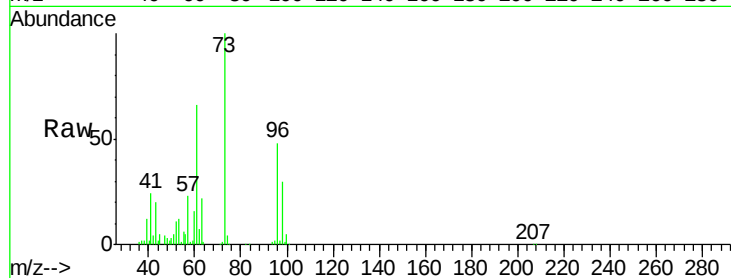
Tot Ion: 96 Resp: 343790

Ion Ratio Lower Upper

96 100

61 136.6 121.3 181.9

98 62.3 52.0 78.0



#22

Diisopropyl ether

Concen: 19.59 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Tgt Ion: 45 Resp: 1068758

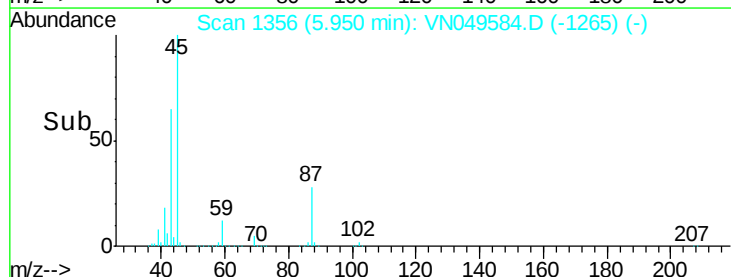
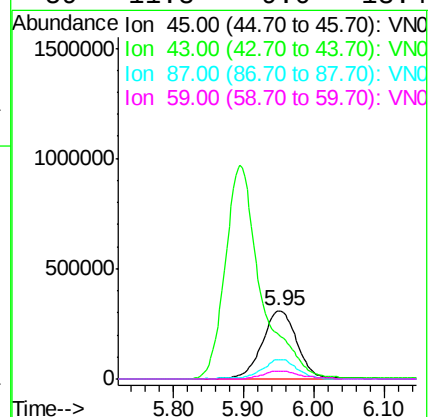
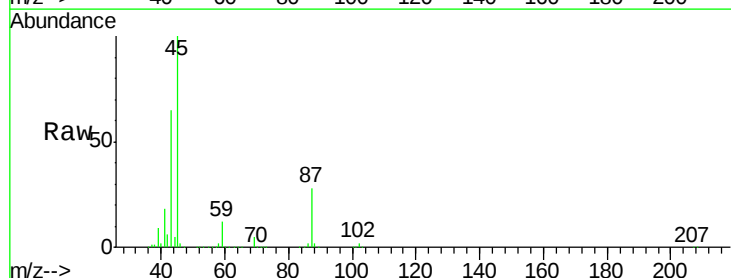
Ion Ratio Lower Upper

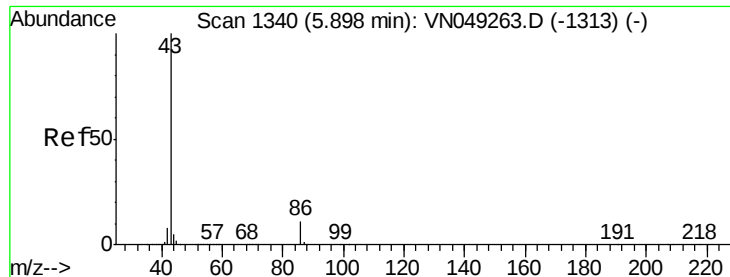
45 100

43 64.1 48.6 72.8

87 28.1 20.2 30.2

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 96.68 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

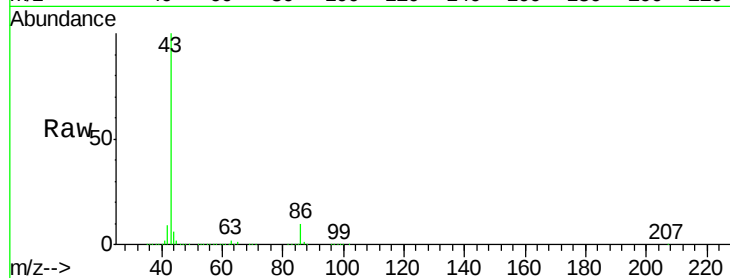
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3438242

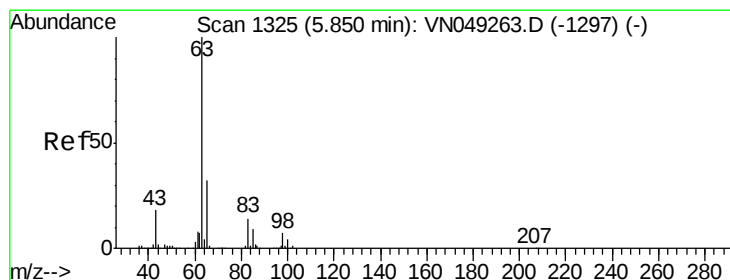
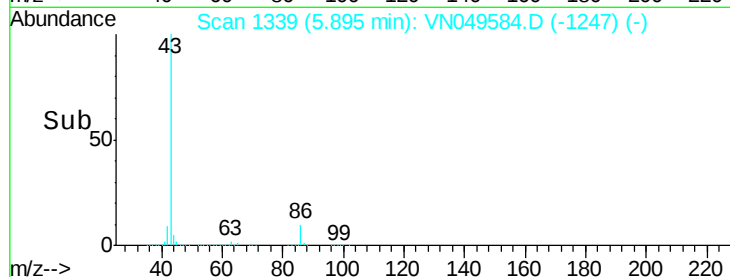
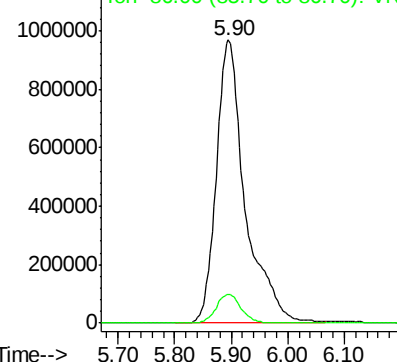
Ion Ratio Lower Upper

43 100

86 10.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.89 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

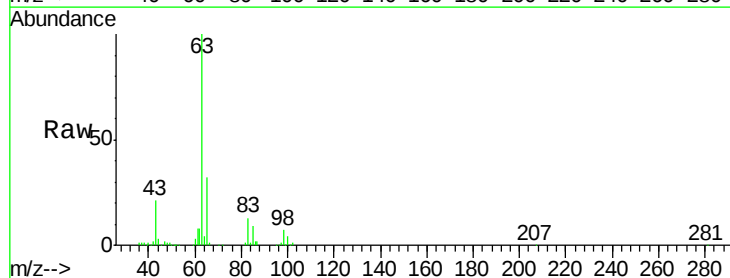
Tgt Ion: 63 Resp: 659683

Ion Ratio Lower Upper

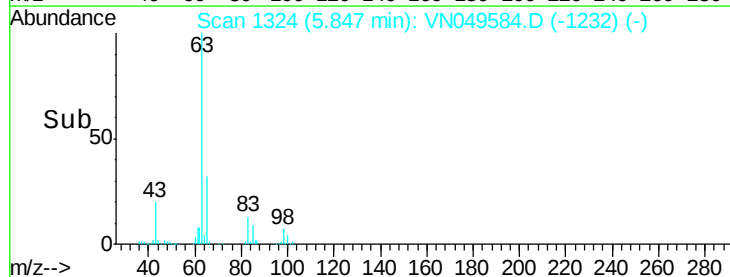
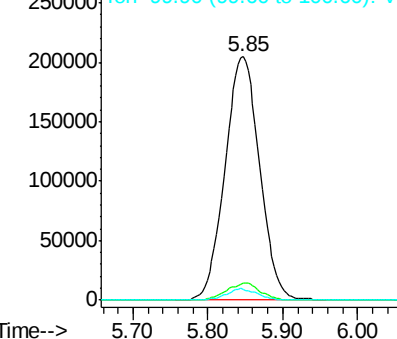
63 100

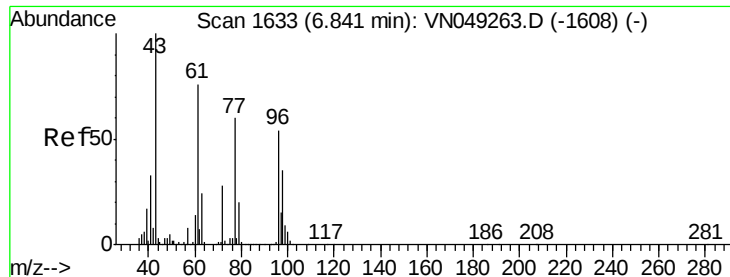
98 7.0 2.9 8.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

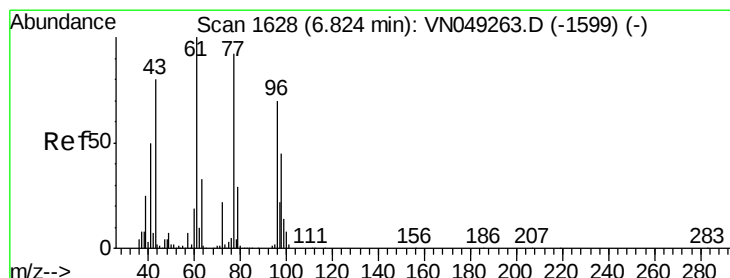
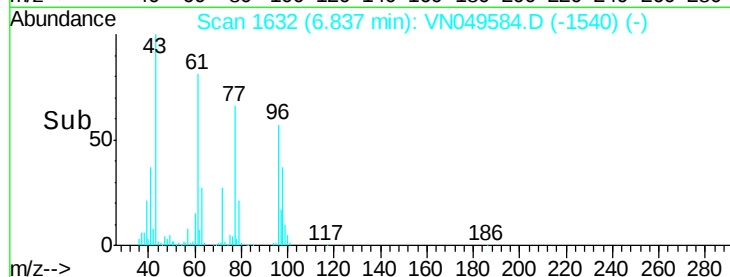
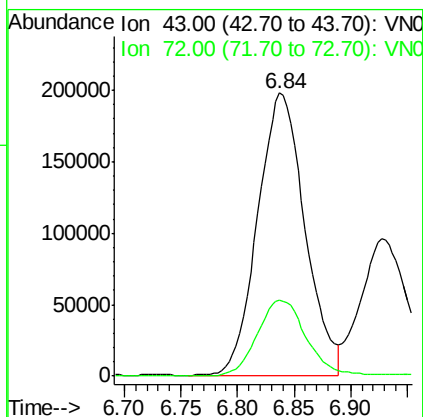
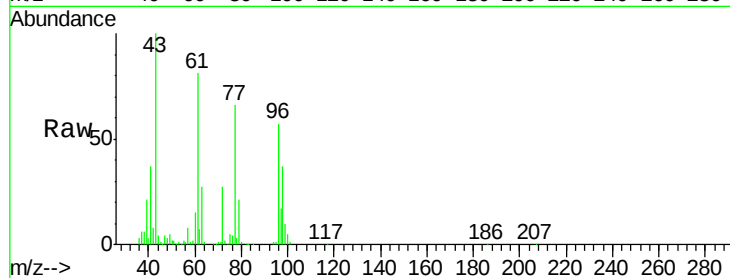




#25
 2-Butanone
 Concen: 87.50 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

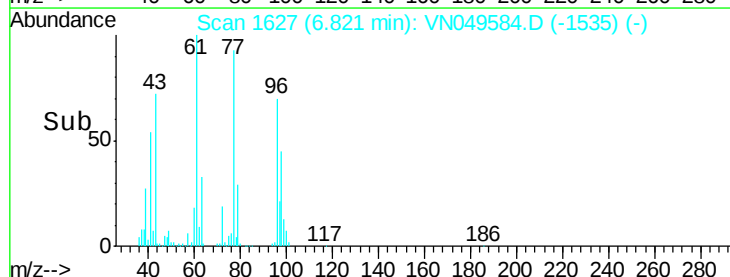
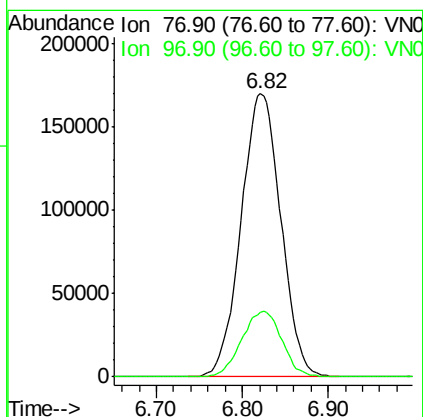
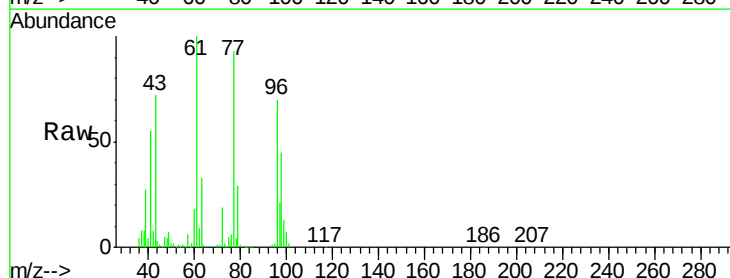
Instrument :
 MSVOA_N
 ClientSampled :

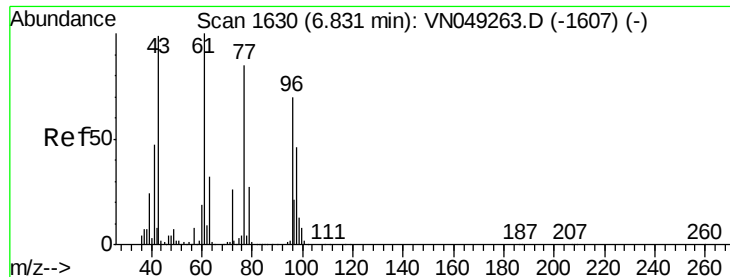
Tot Ion: 43 Resp: 570895
 Ion Ratio Lower Upper
 43 100
 72 26.8 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 19.38 ug/l
 RT: 6.82 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion: 77 Resp: 546381
 Ion Ratio Lower Upper
 77 100
 97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampled :

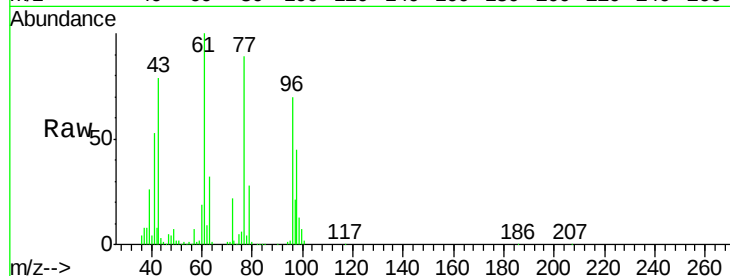
Tot Ion: 96 Resp: 388701

Ion Ratio Lower Upper

96 100

61 143.2 0.0 316.4

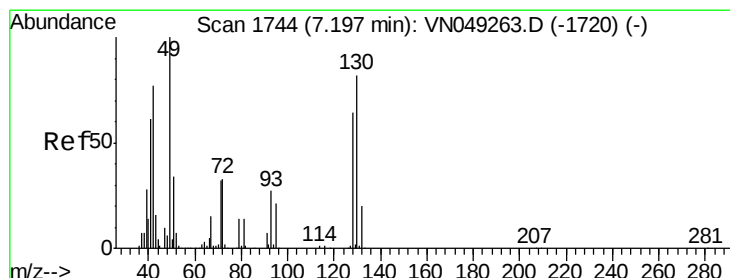
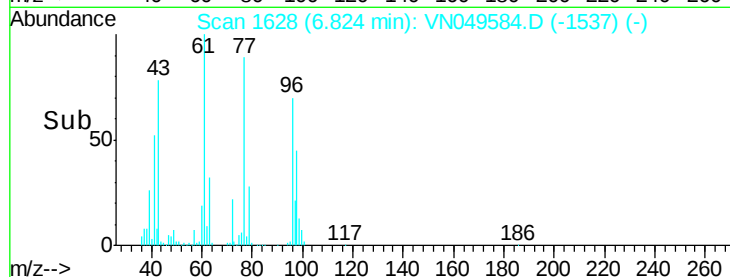
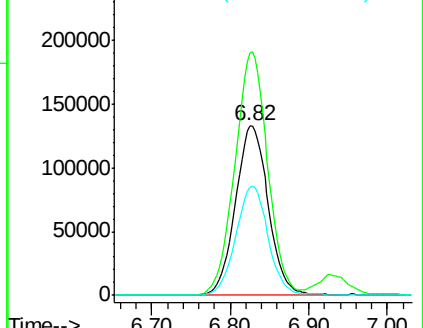
98 63.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049263.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049263.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1607) (-)



#28

Bromochloromethane

Concen: 19.27 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

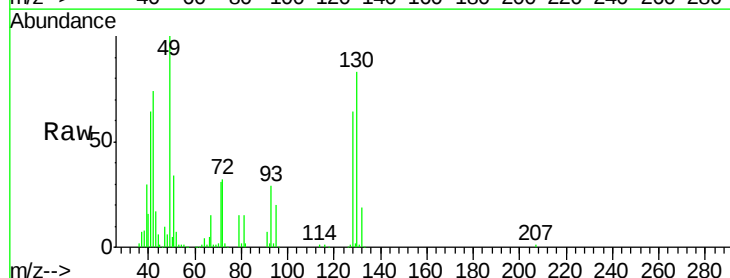
Tgt Ion: 49 Resp: 298350

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

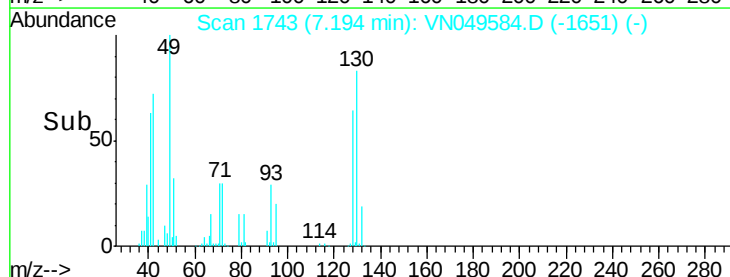
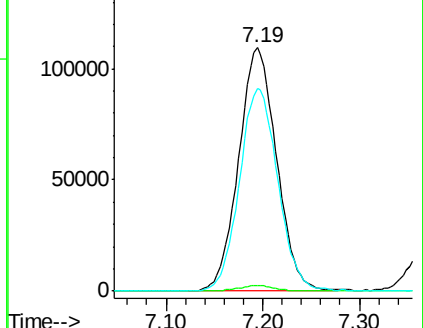
130 84.3 54.9 82.3#

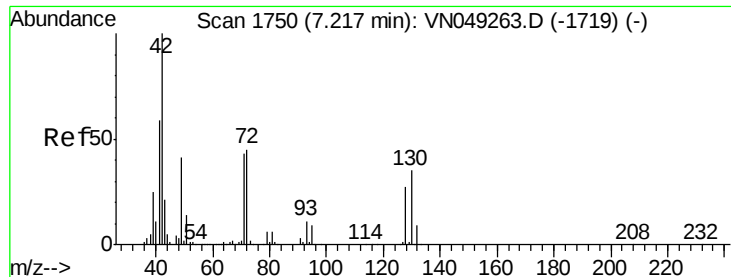


Abundance Ion 48.90 (48.60 to 49.60): VN049263.D (-1720) (-)

Ion 128.80 (128.50 to 129.50): VN049263.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049263.D (-1720) (-)

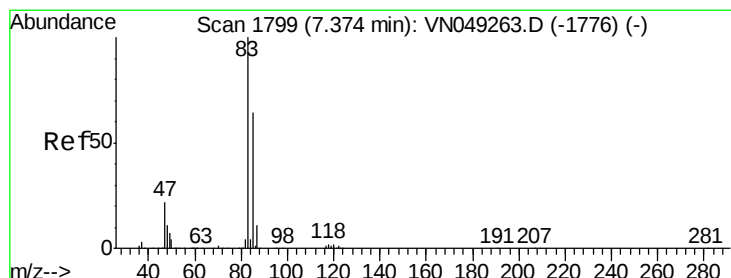
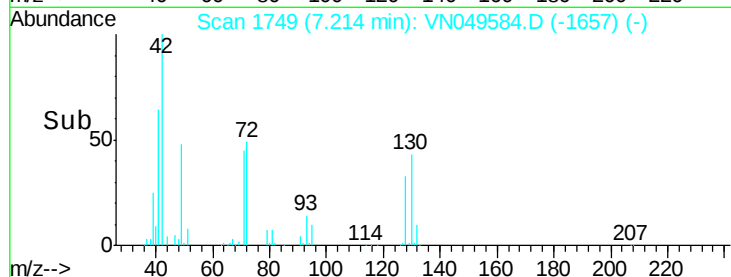
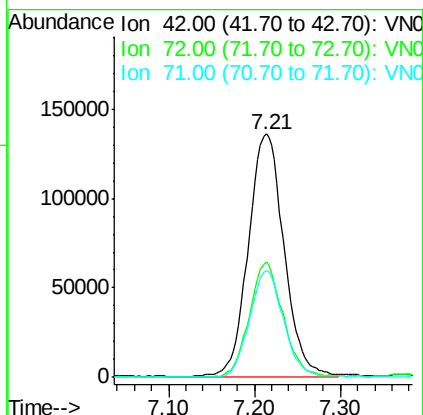
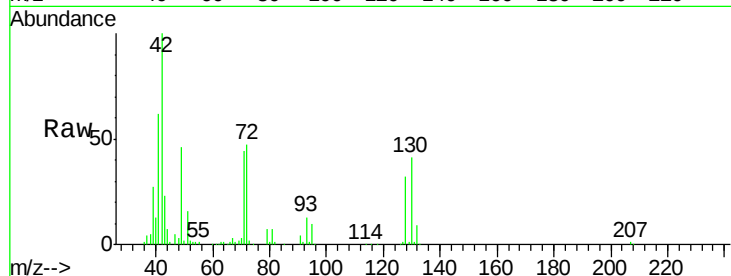




#29
Tetrahydrofuran
Concen: 93.32 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

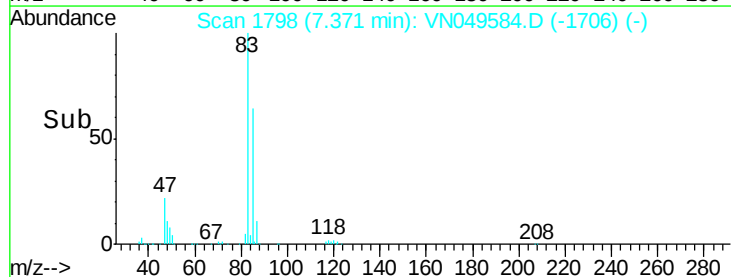
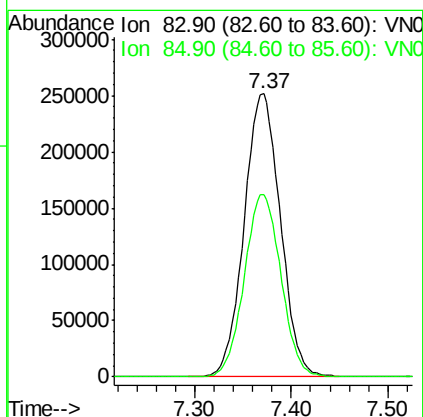
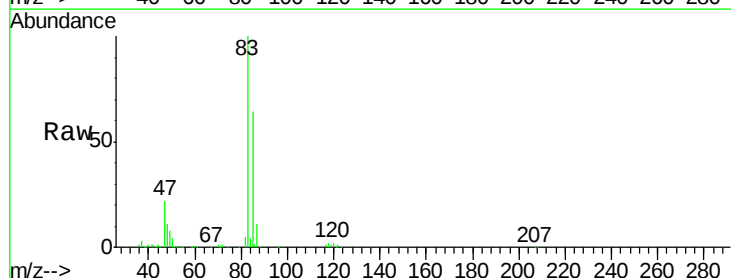
Instrument :
MSVOA_N
ClientSampled :

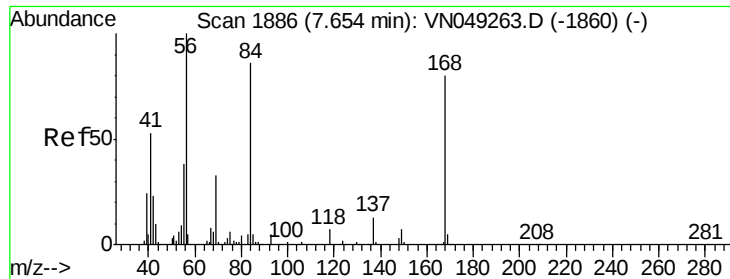
Tot Ion: 42 Resp: 391929
Ion Ratio Lower Upper
42 100
72 44.9 32.2 48.4
71 41.9 30.5 45.7



#30
Chloroform
Concen: 18.85 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 83 Resp: 655105
Ion Ratio Lower Upper
83 100
85 64.4 51.7 77.5

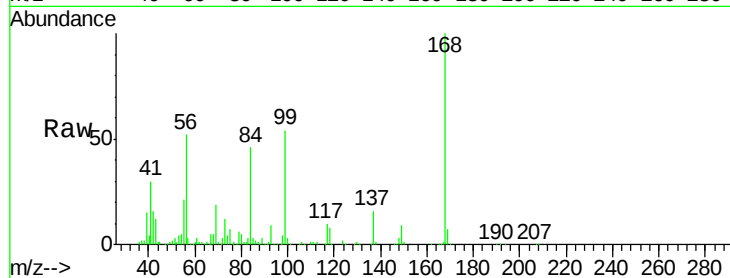




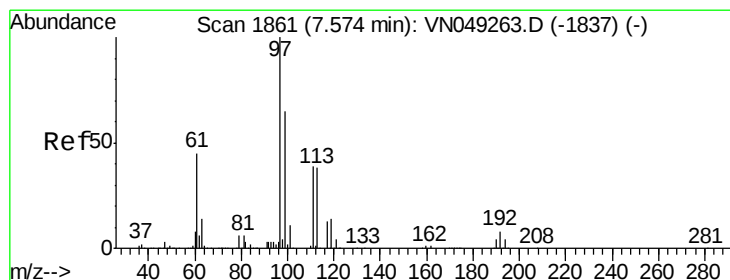
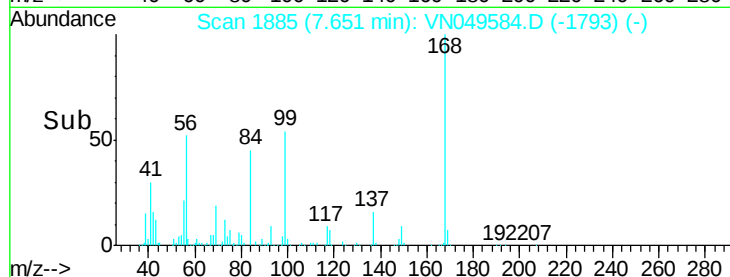
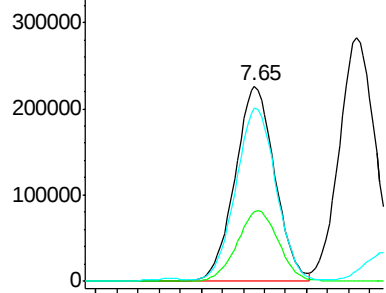
#31
Cyclohexane
Concen: 19.93 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	Resp	592956
Ion Ratio	Lower	Upper	
56	100		
69	35.7	25.0	37.4
84	87.2	64.6	96.8

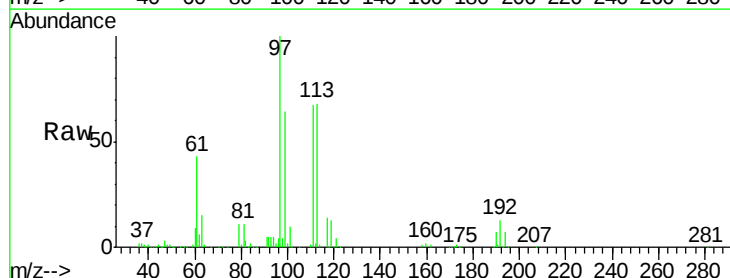


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

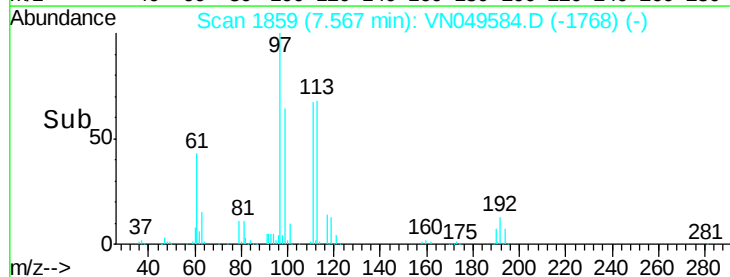
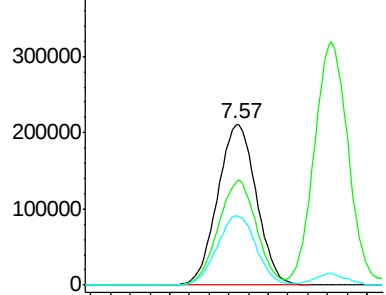


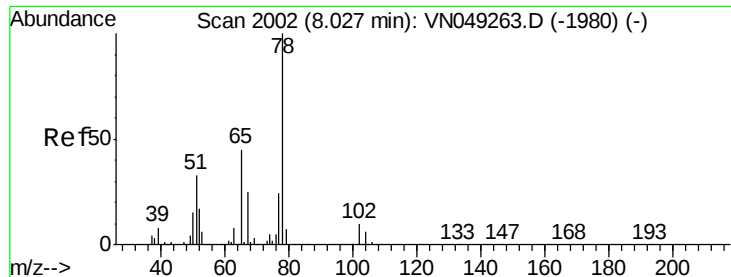
#32
1,1,1-Trichloroethane
Concen: 19.32 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion	97	Resp	572898
Ion Ratio	Lower	Upper	
97	100		
99	64.2	50.5	75.7
61	43.5	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: 47.26 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

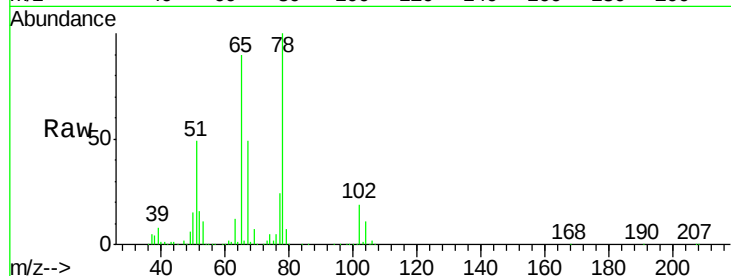
ClientSampleId :

Tot Ion: 65 Resp: 945834

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049263.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049263.D (-1980) (-)

8.03

400000

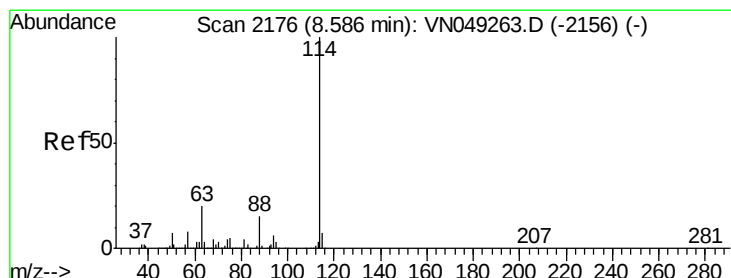
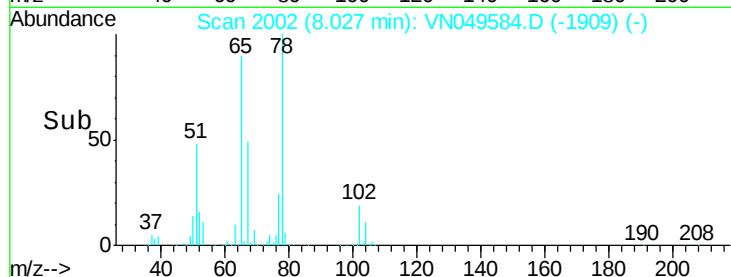
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

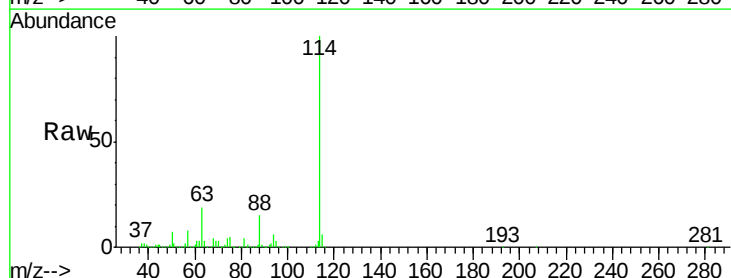
Tgt Ion: 114 Resp: 2265430

Ion Ratio Lower Upper

114 100

63 19.4 0.0 44.4

88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049263.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049263.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049263.D (-2156) (-)

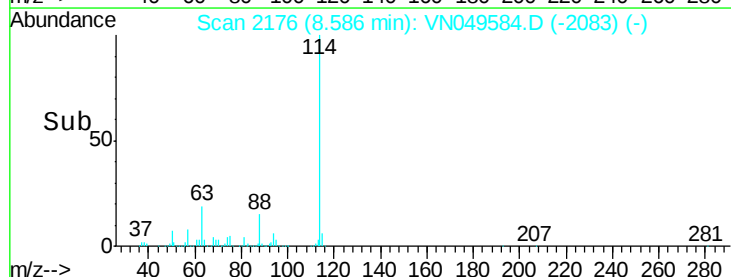
8.59

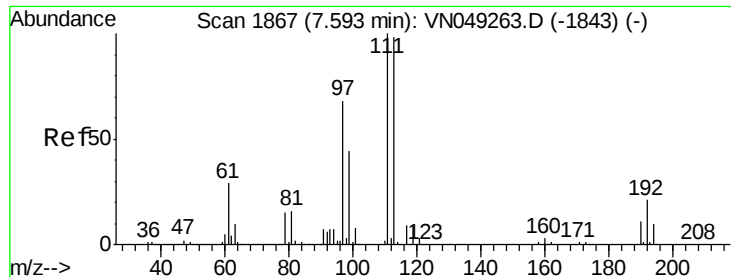
1000000

500000

0

Time--> 8.50 8.60 8.70 8.80

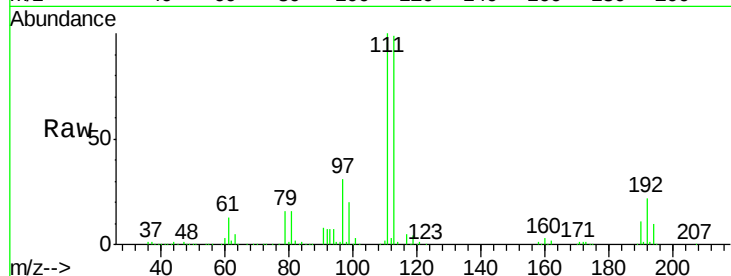




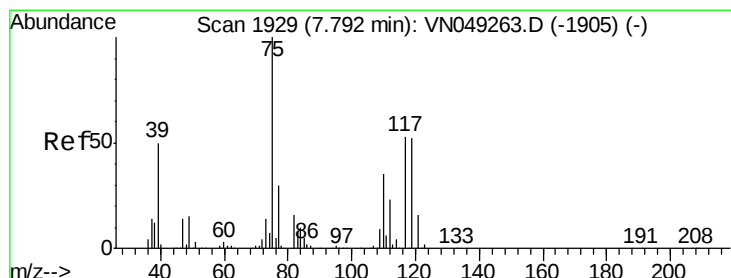
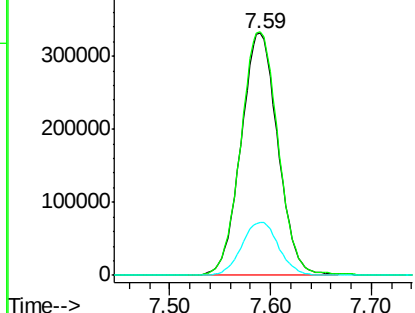
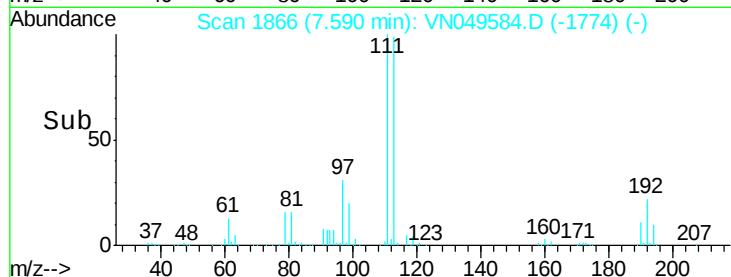
#35
Dibromofluoromethane
Concen: 45.70 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 837644
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 22.1 15.0 22.6

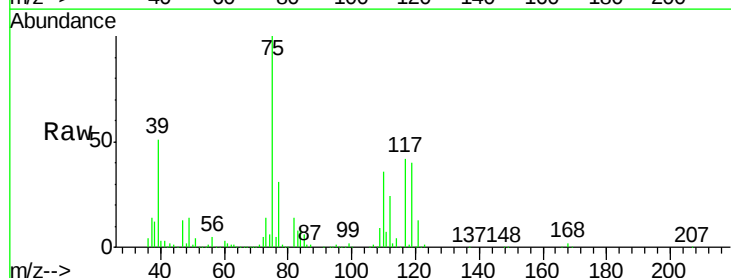


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

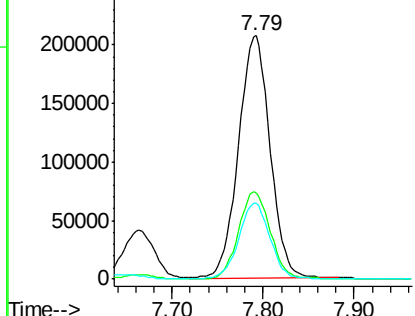
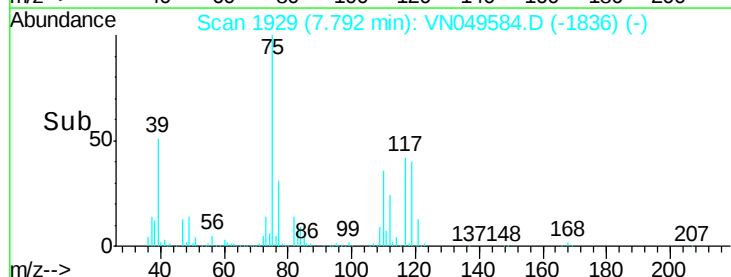


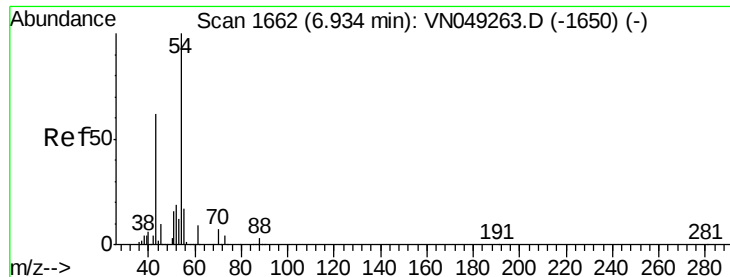
#36
1,1-Dichloropropene
Concen: 19.24 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 75 Resp: 499558
Ion Ratio Lower Upper
75 100
110 36.2 17.0 50.9
77 30.7 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

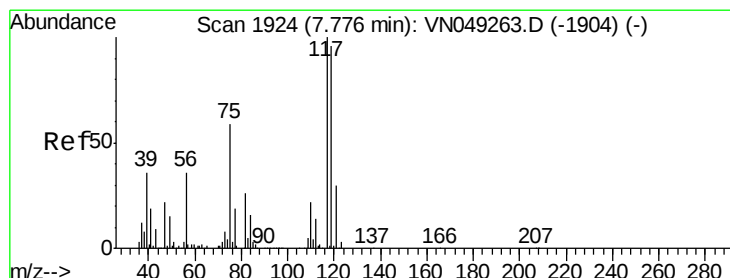
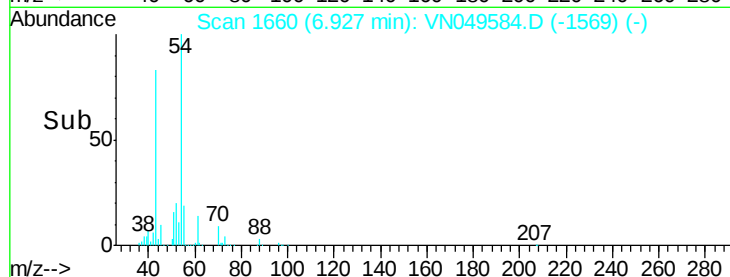
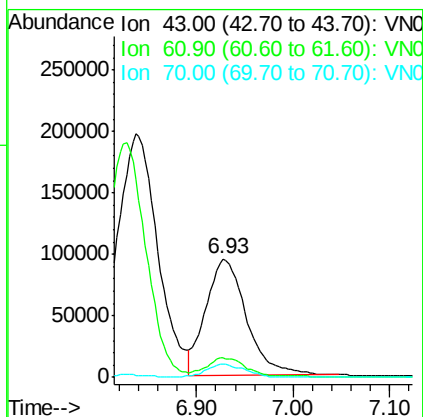
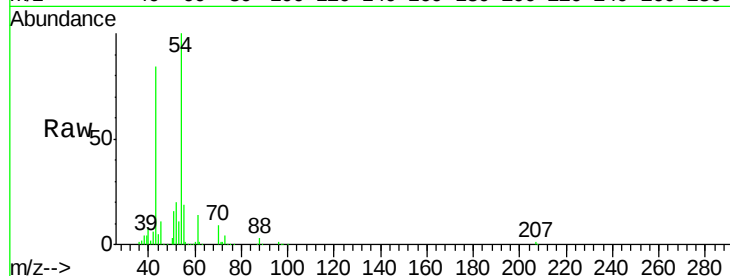




#37
Ethyl Acetate
Concen: 19.57 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

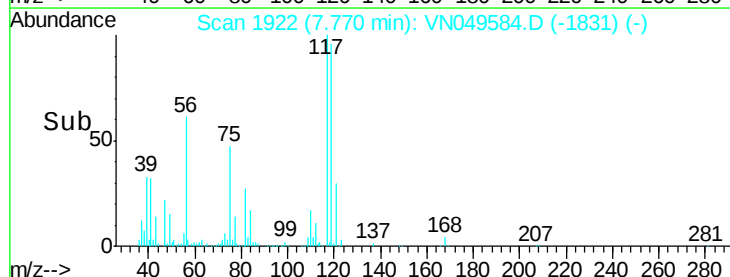
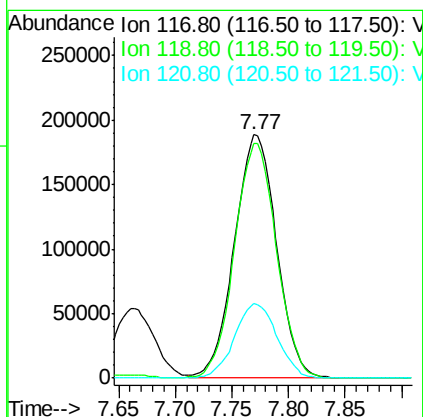
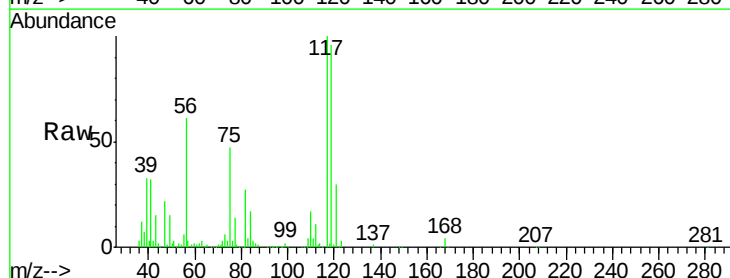
Instrument :
MSVOA_N
ClientSampled :

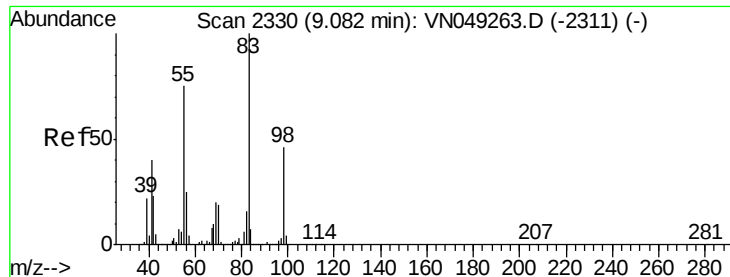
Tot Ion: 43 Resp: 276226
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.4
70 10.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.08 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 117 Resp: 485988
Ion Ratio Lower Upper
117 100
119 96.4 75.6 113.4
121 30.5 24.7 37.1

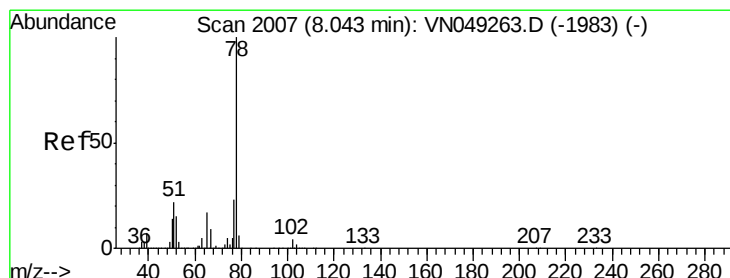
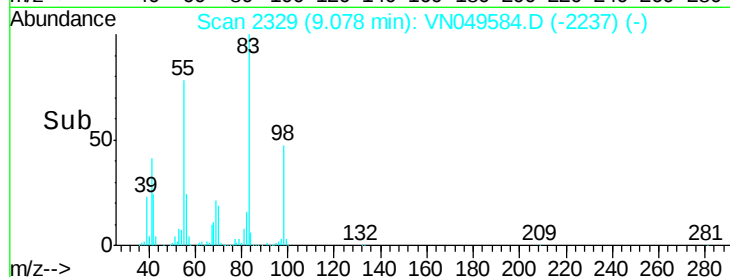
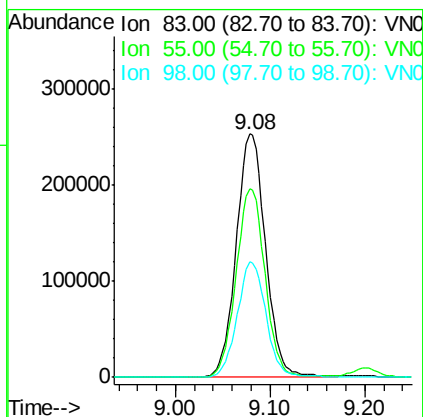
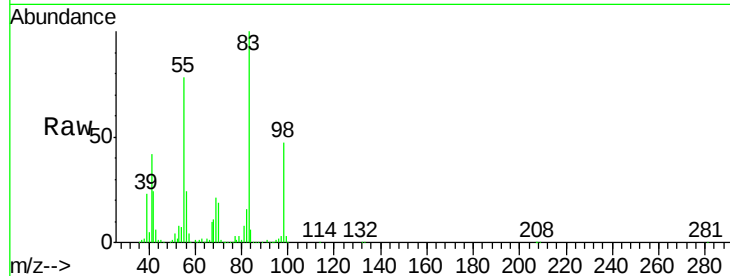




#39
Methvlcvclohexane
Concen: 19.62 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

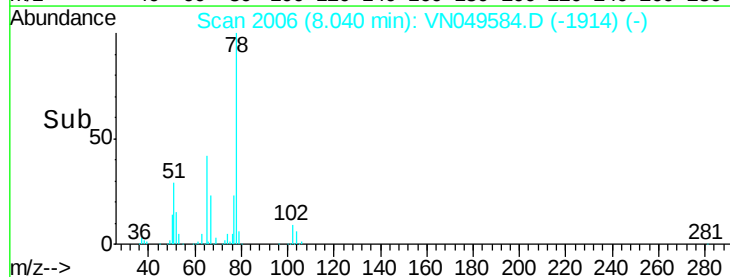
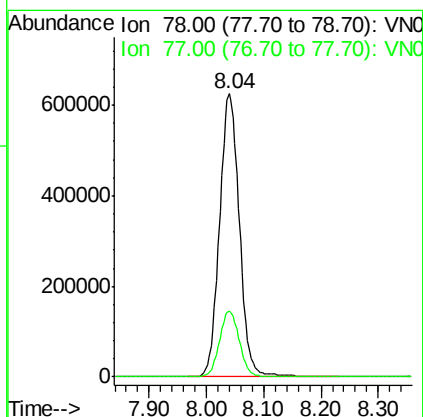
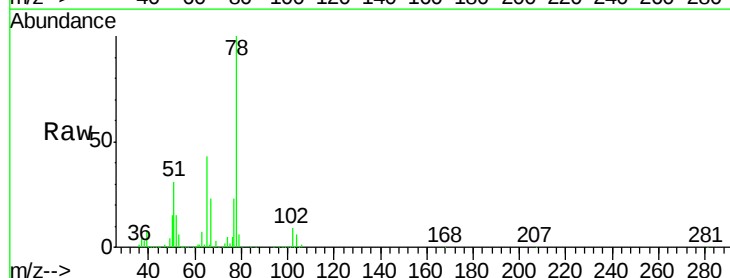
Instrument :
MSVOA_N
ClientSampleId :

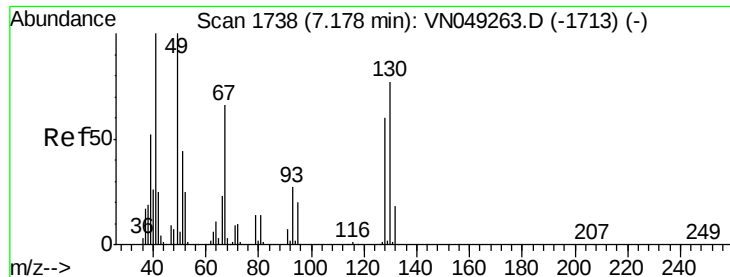
Tot Ion: 83 Resp: 546952
Ion Ratio Lower Upper
83 100
55 77.6 65.1 97.7
98 47.2 36.5 54.7



#40
Benzene
Concen: 18.90 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 78 Resp: 1504846
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

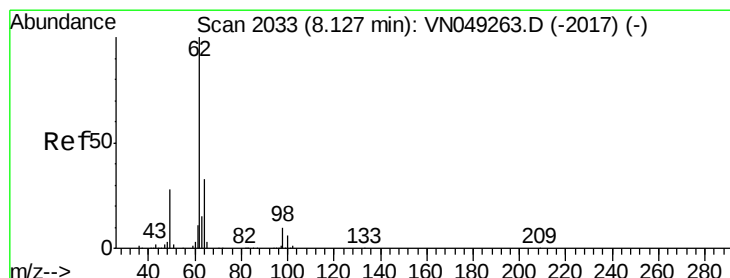
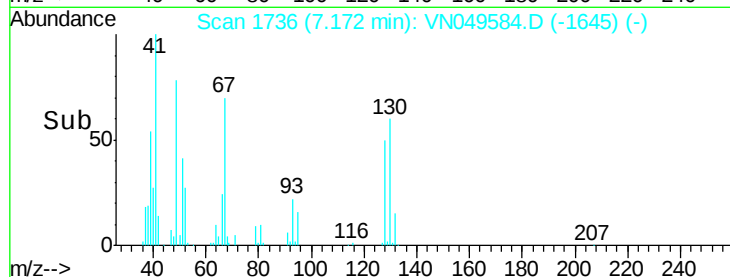
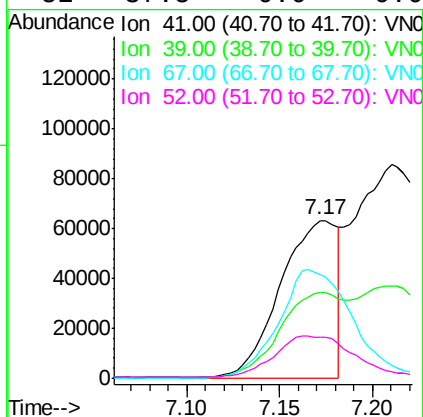
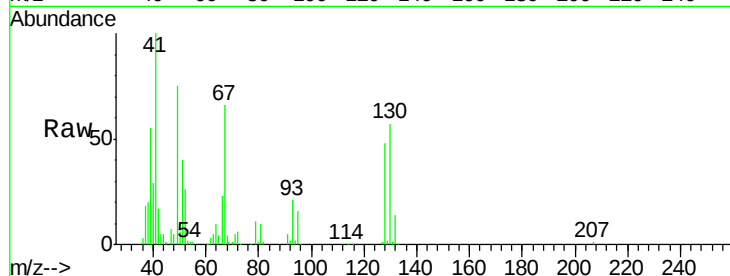




#41
Methacrylonitrile
Concen: 17.62 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

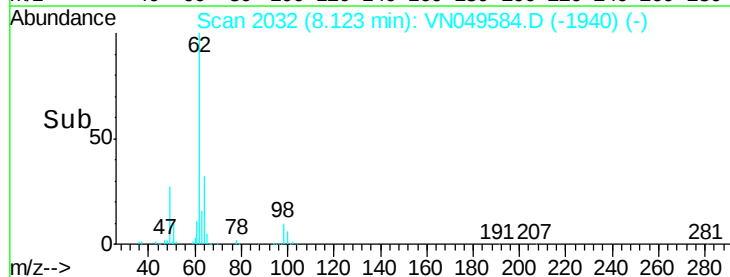
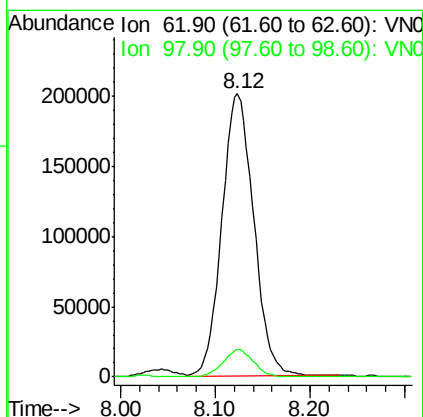
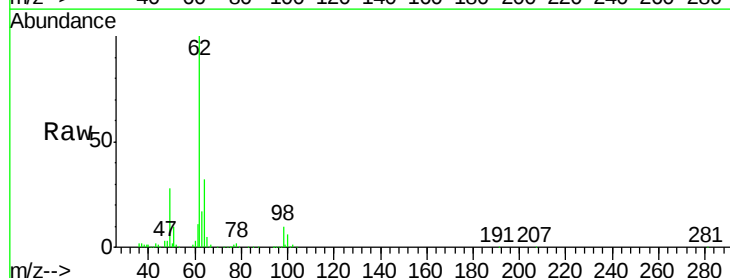
Instrument :
MSVOA_N
ClientSampled :

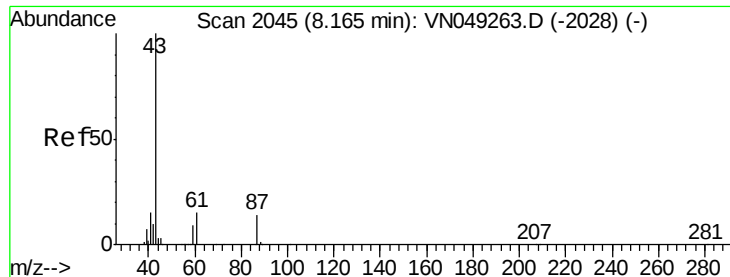
Tot Ion: 41 Resp: 134492
Ion Ratio Lower Upper
41 100
39 63.2 0.0 0.0#
67 90.5 0.0 0.0#
52 37.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.18 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 62 Resp: 471651
Ion Ratio Lower Upper
62 100
98 9.3 0.0 16.2





#43

Isopropyl Acetate

Concen: 24.88 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

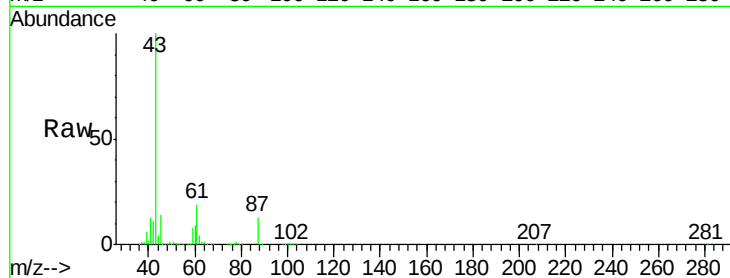
Tot Ion: 43 Resp: 670943

Ion Ratio Lower Upper

43 100

61 15.6 14.2 21.4

87 10.3 9.4 14.0

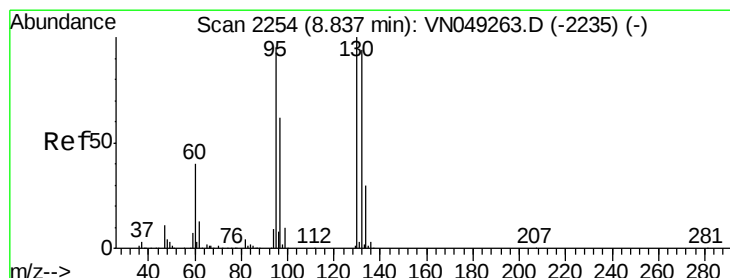
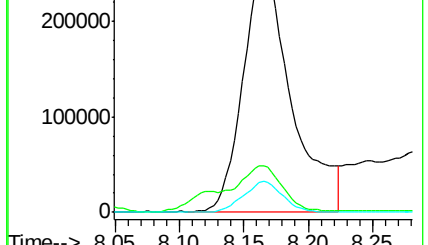
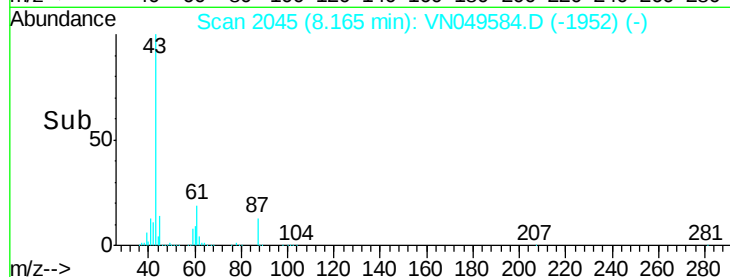


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 20.64 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049584.D

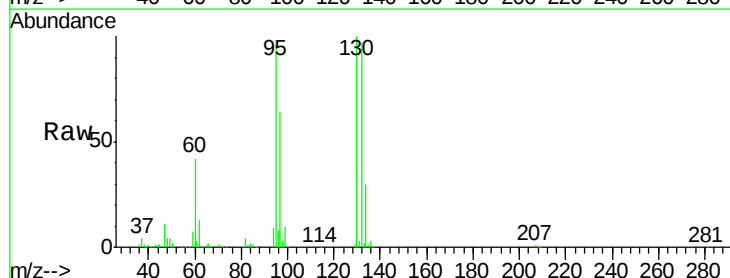
Acq: 28 Jun 2018 12:50

Tgt Ion:130 Resp: 433960

Ion Ratio Lower Upper

130 100

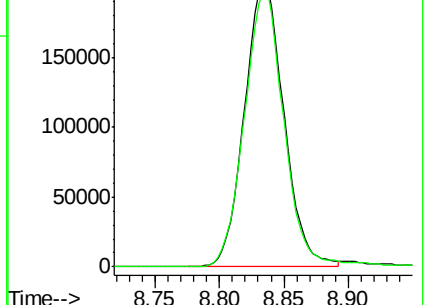
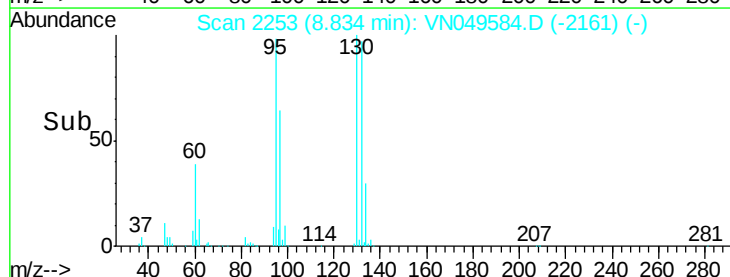
95 97.9 0.0 208.6

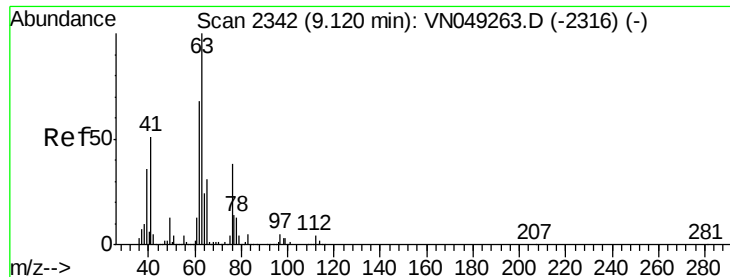


Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

Time--> 8.75 8.80 8.85 8.90

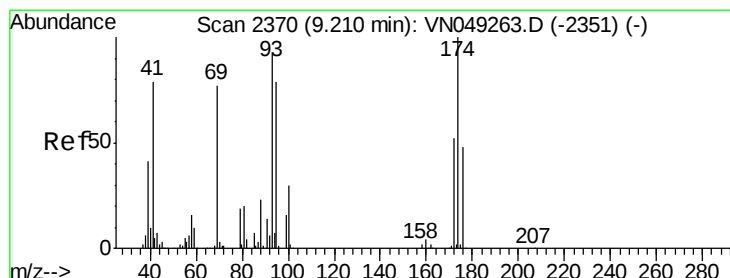
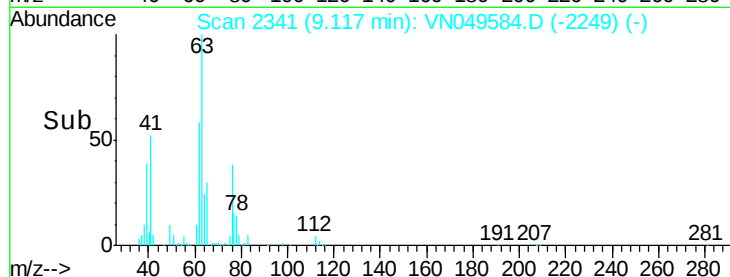
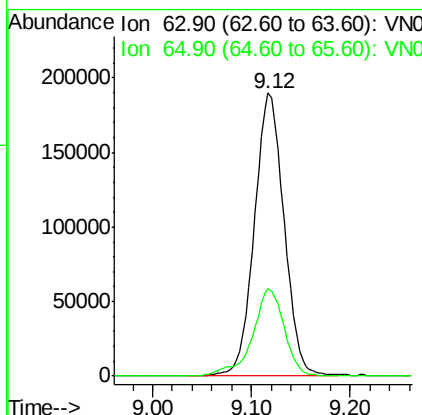
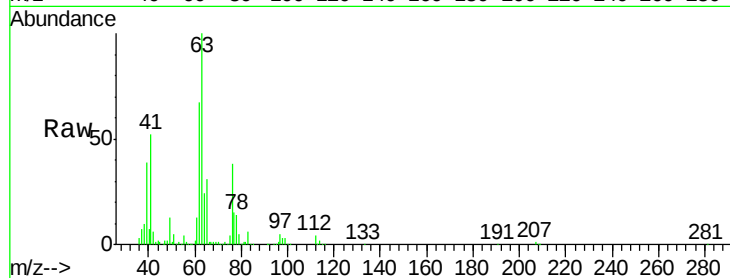




#45
 1,2-Dichloropropane
 Concen: 18.89 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

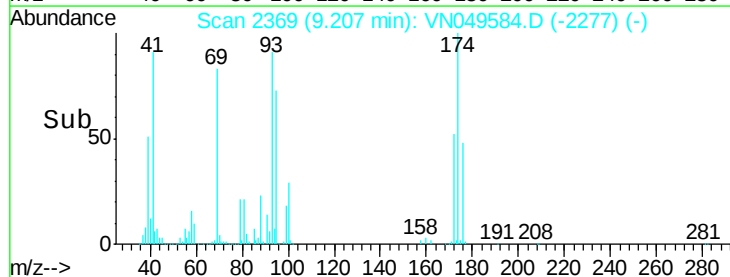
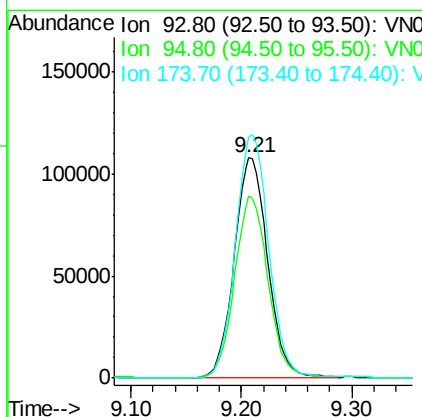
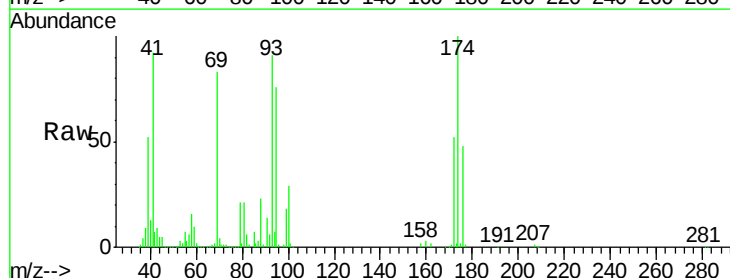
Instrument :
 MSVOA_N
 ClientSampleId :

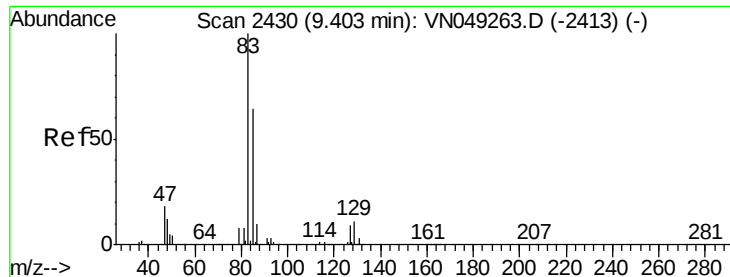
Tot Ion: 63 Resp: 393723
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2



#46
 Dibromomethane
 Concen: 18.85 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion: 93 Resp: 227768
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.2 100.8
 174 109.9 75.6 113.4





#47

Bromodichloromethane

Concen: 18.53 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampleId :

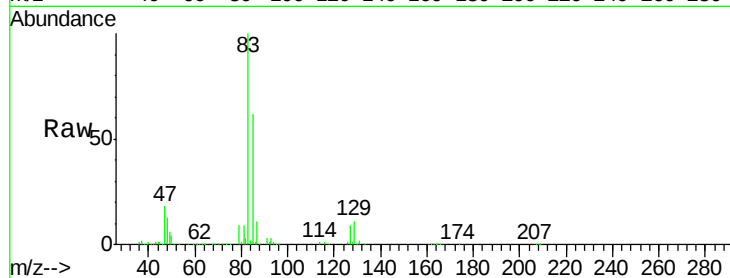
Tot Ion: 83 Resp: 492034

Ion Ratio Lower Upper

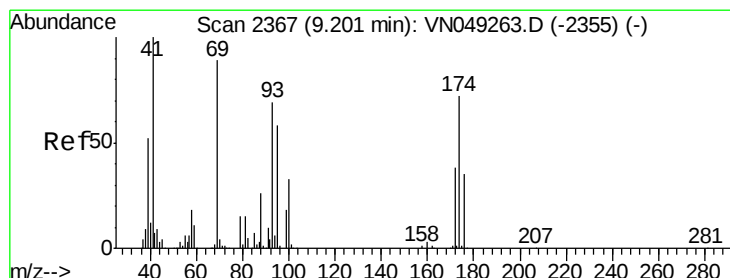
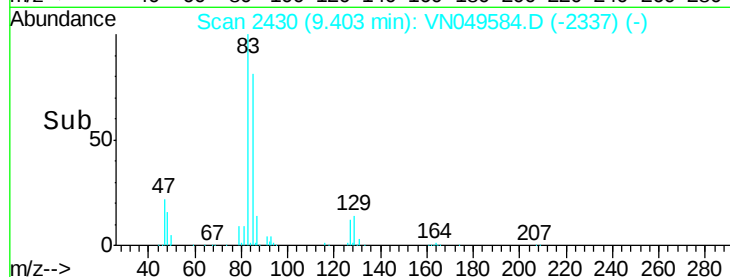
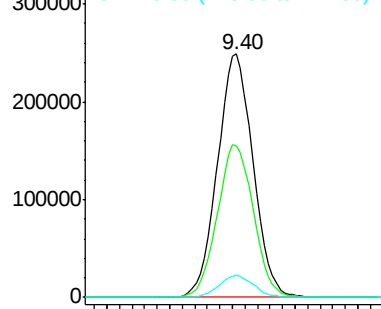
83 100

85 62.5 49.4 74.0

127 8.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.80 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

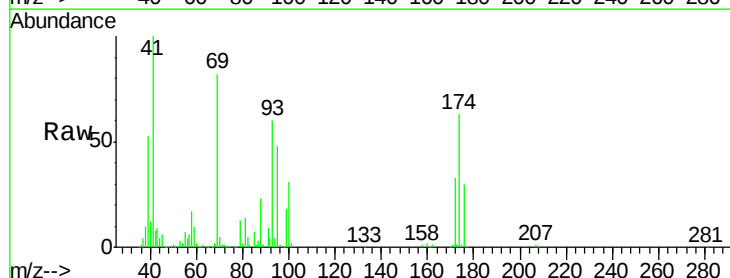
Tgt Ion: 41 Resp: 238782

Ion Ratio Lower Upper

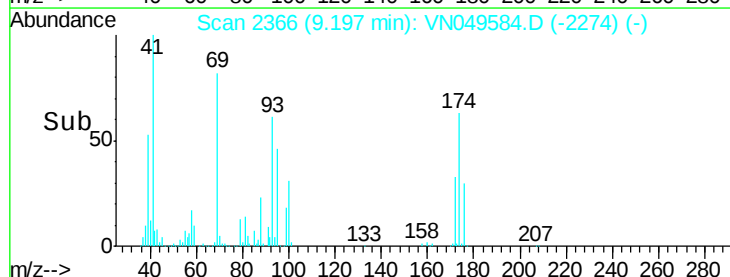
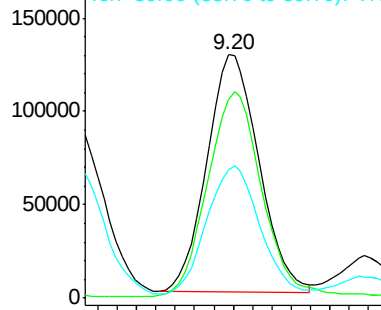
41 100

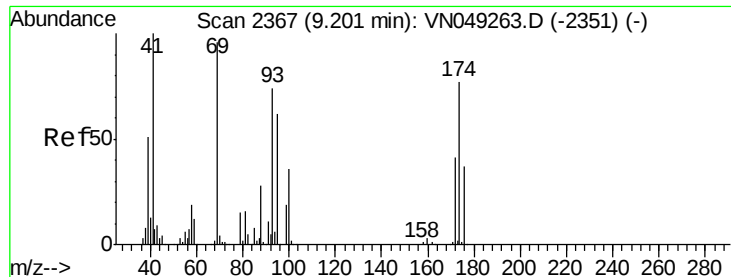
69 91.7 62.0 93.0

39 57.8 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

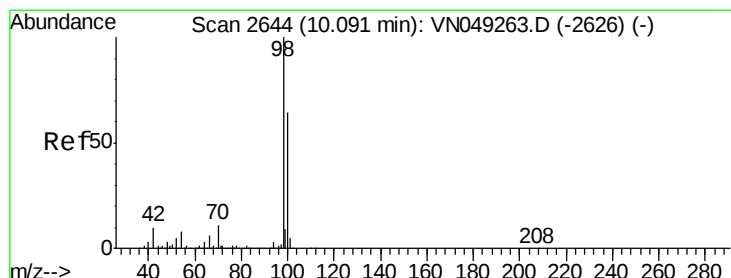
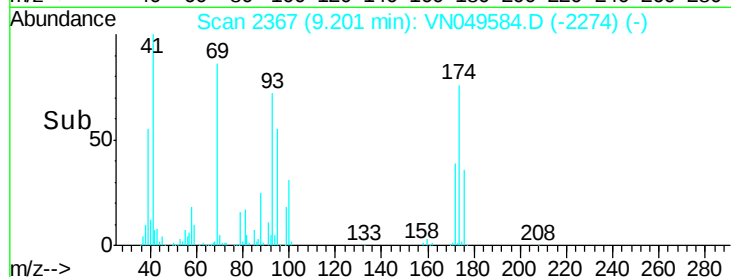
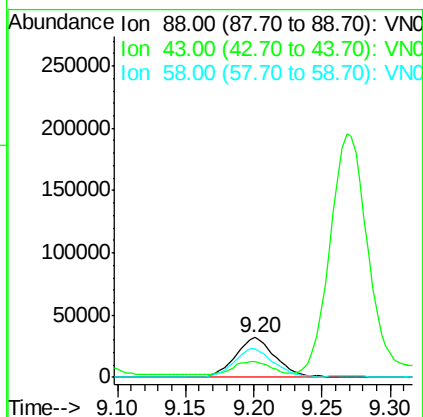
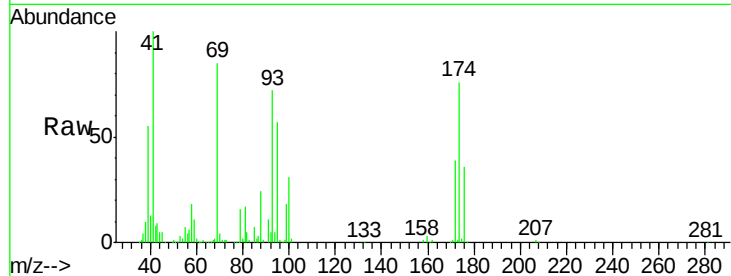




#49
1,4-Dioxane
Concen: 368.27 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

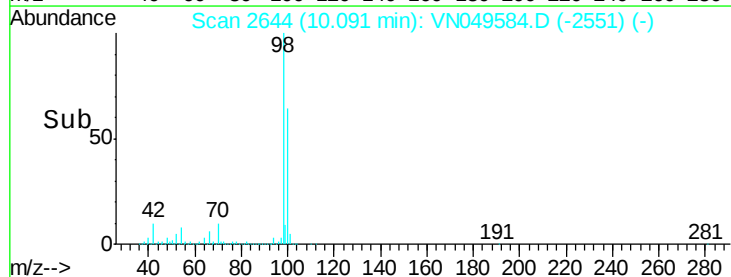
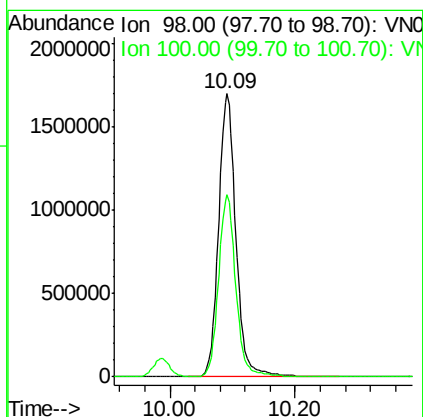
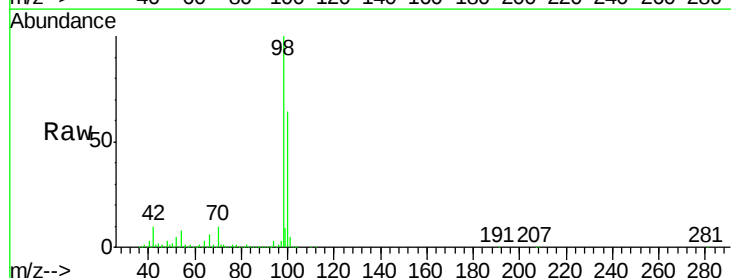
Instrument :
MSVOA_N
ClientSampled :

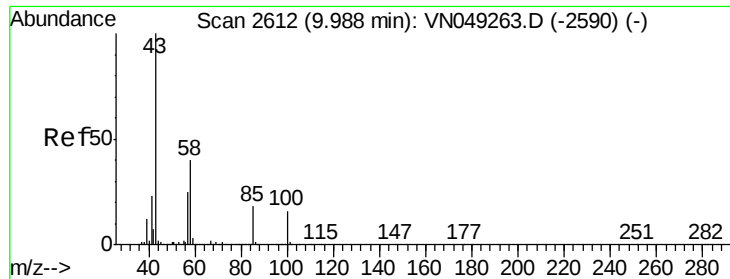
Tot Ion: 88 Resp: 64551
Ion Ratio Lower Upper
88 100
43 31.3 30.9 46.3
58 71.3 58.9 88.3



#50
Toluene-d8
Concen: 46.72 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 98 Resp: 3260755
Ion Ratio Lower Upper
98 100
100 64.5 49.8 74.8

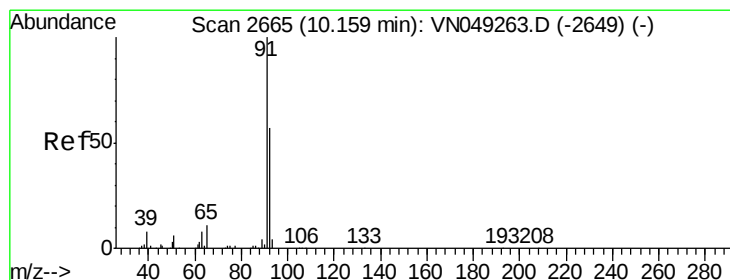
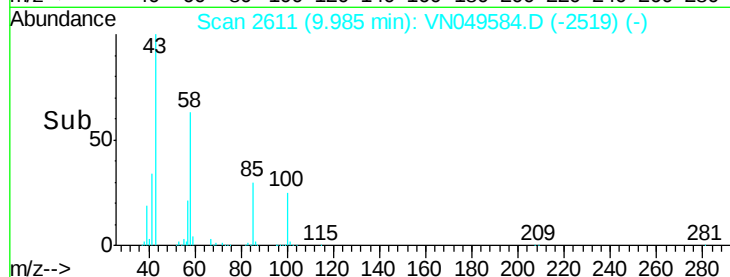
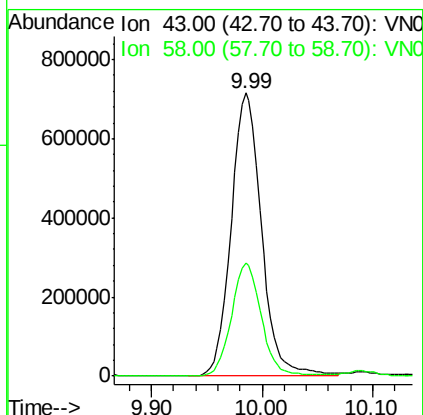
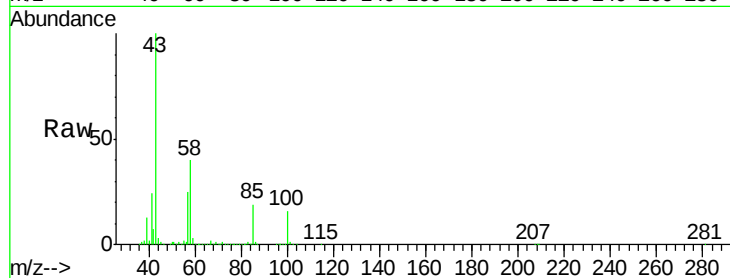




#51
4-Methyl-2-Pentanone
Concen: 96.19 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

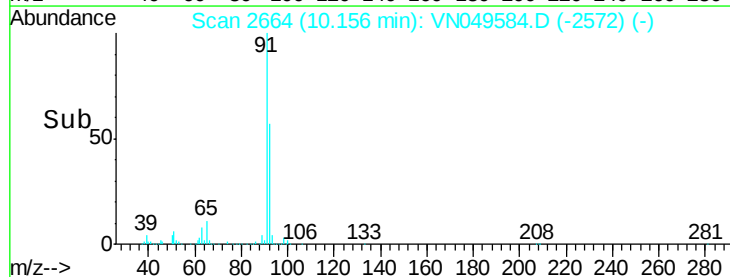
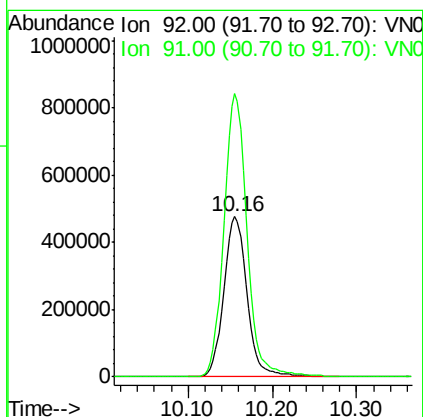
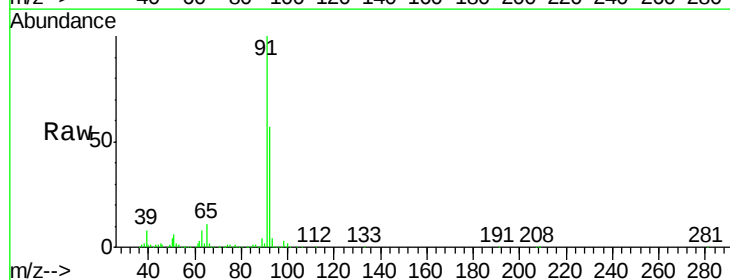
Instrument :
MSVOA_N
ClientSampled :

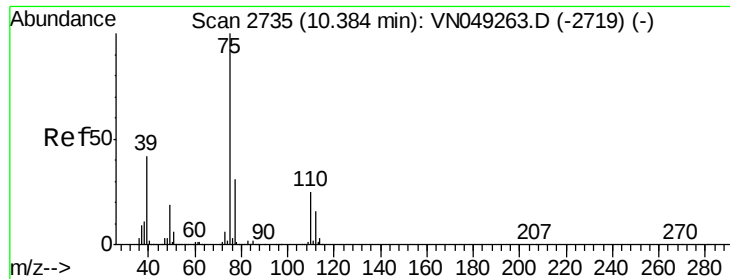
Tot Ion: 43 Resp: 1359558
Ion Ratio Lower Upper
43 100
58 39.5 29.0 43.6



#52
Toluene
Concen: 19.56 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 92 Resp: 913948
Ion Ratio Lower Upper
92 100
91 175.3 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.98 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

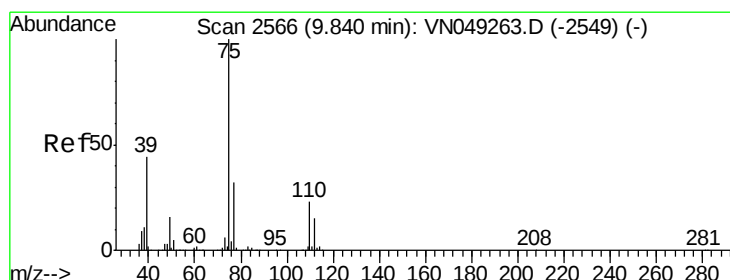
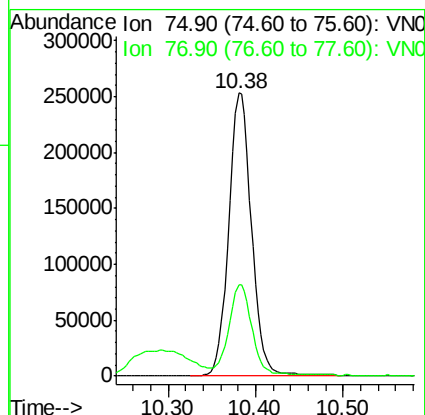
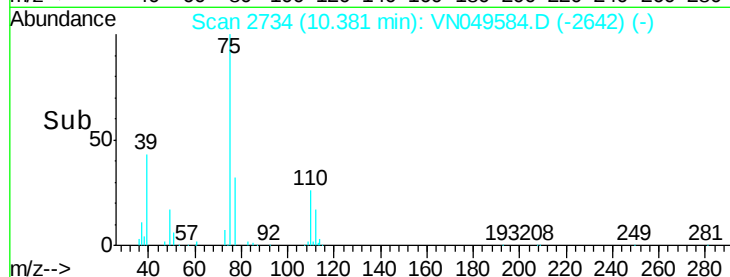
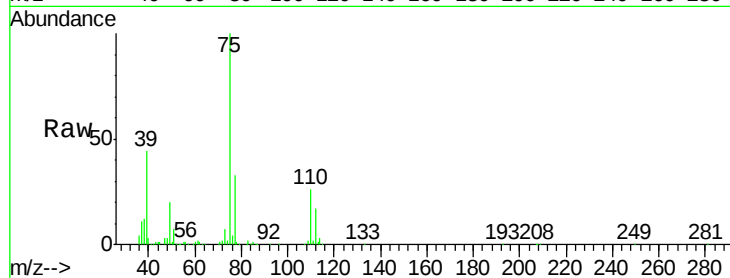
ClientSampleId :

Tot Ion: 75 Resp: 456810

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.37 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

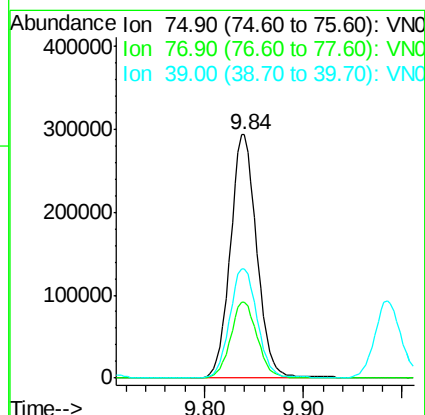
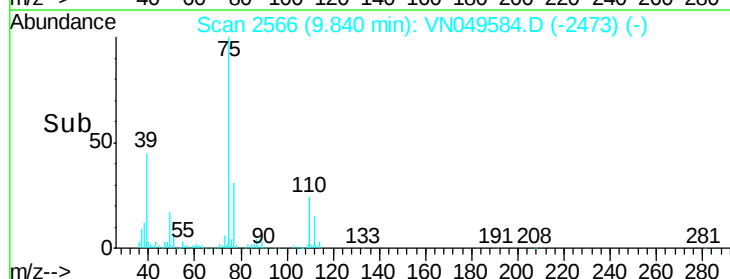
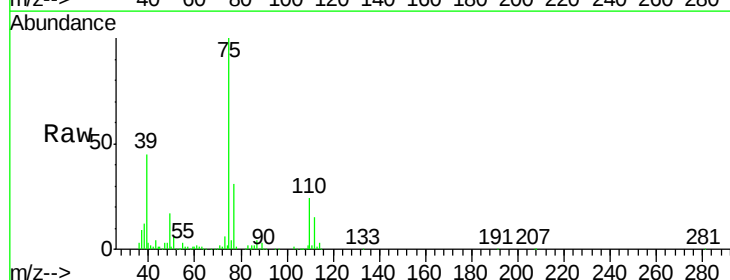
Tgt Ion: 75 Resp: 551091

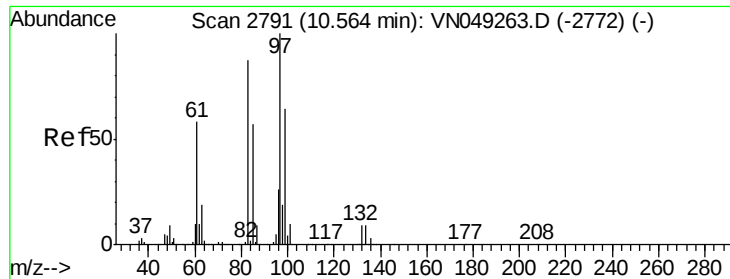
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 44.8 45.1 67.7#

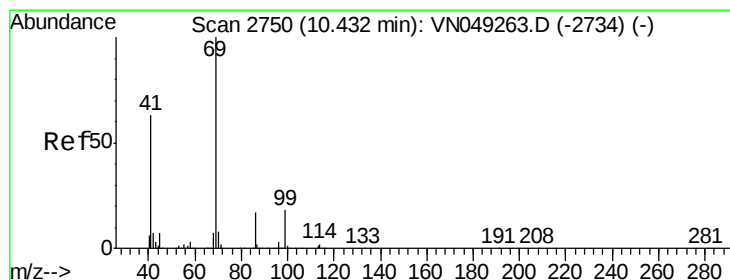
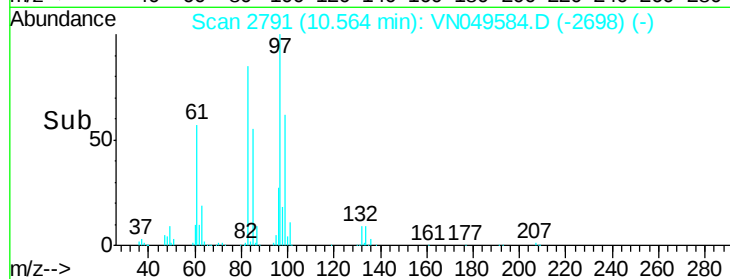
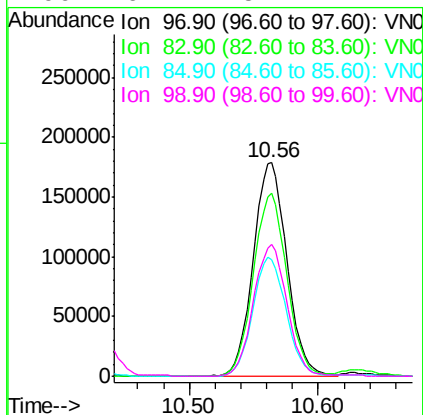
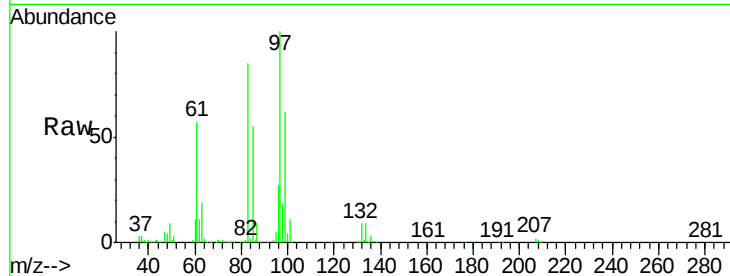




#55
 1,1,2-Trichloroethane
 Concen: 18.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

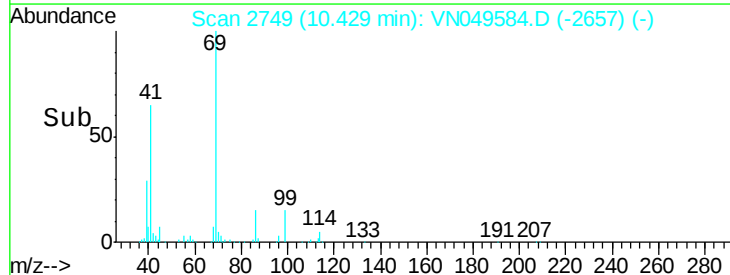
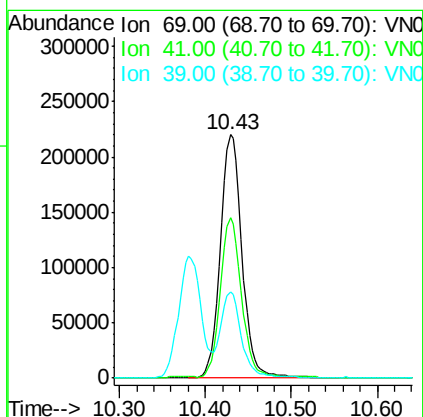
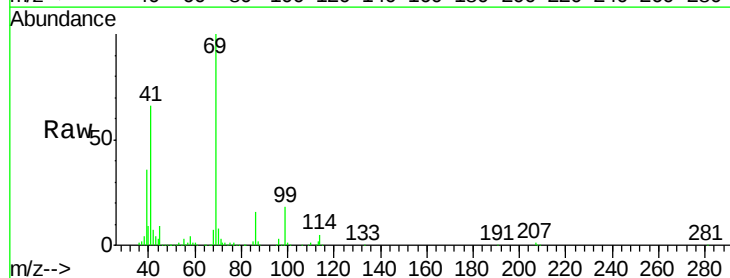
Instrument :
 MSVOA_N
 ClientSampleId :

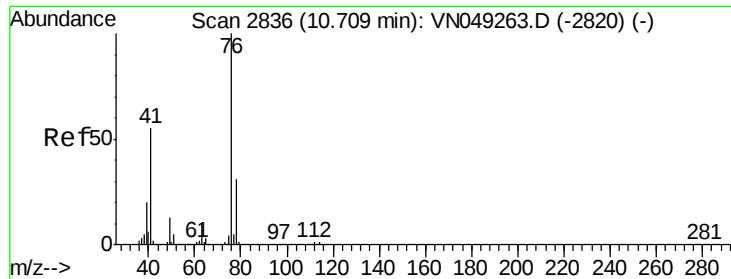
Tot Ion:	97	Resp:	326015
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.5	107.3
85	54.8	47.0	70.4
99	61.7	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion:	69	Resp:	387689
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: 18.60 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

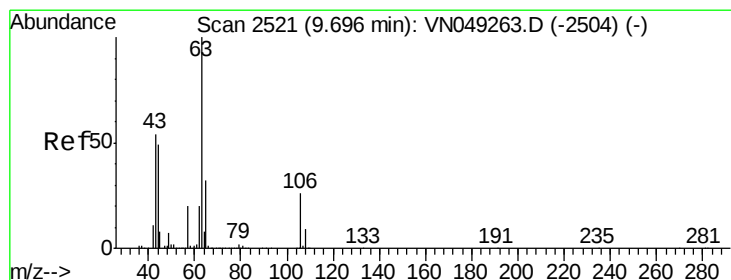
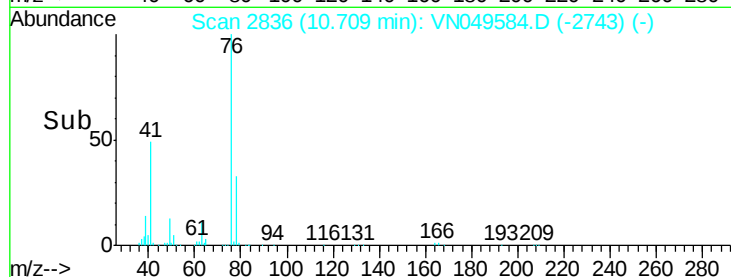
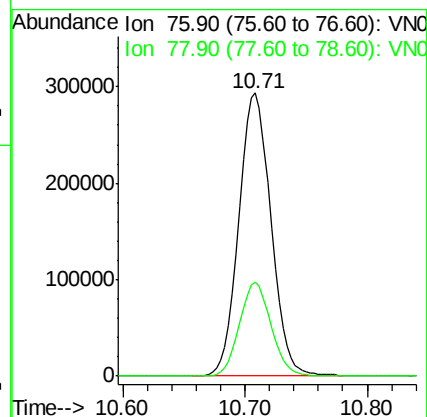
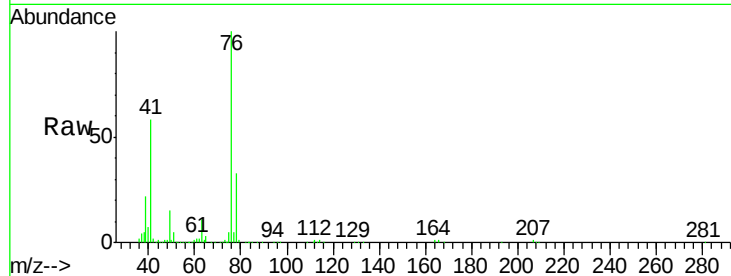
ClientSampleId :

Tot Ion: 76 Resp: 536724

Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 130.12 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049584.D

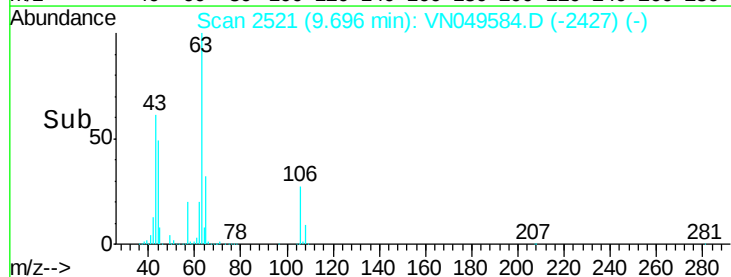
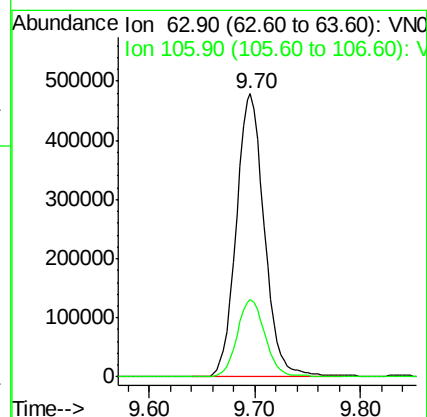
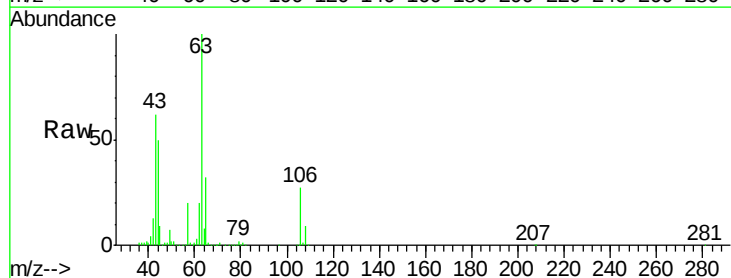
Acq: 28 Jun 2018 12:50

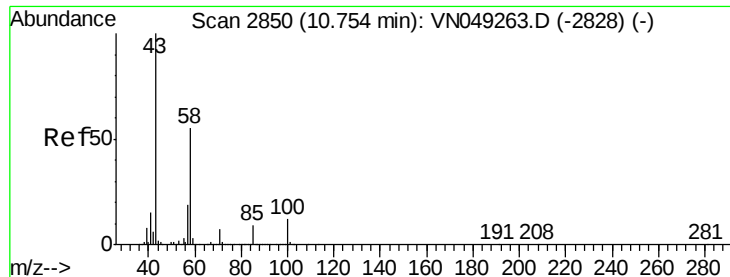
Tgt Ion: 63 Resp: 882314

Ion Ratio Lower Upper

63 100

106 27.3 19.4 29.2

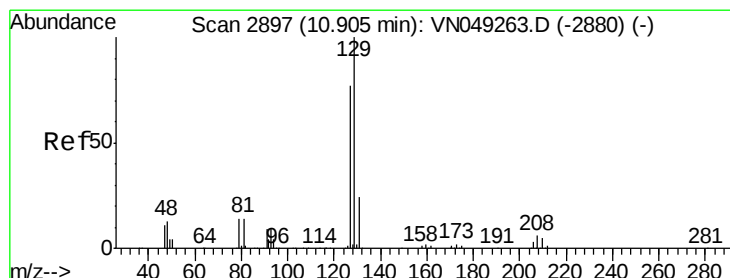
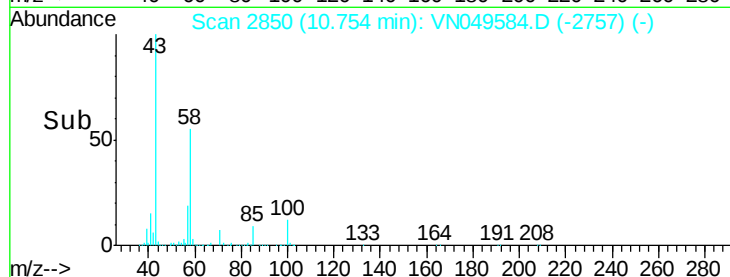
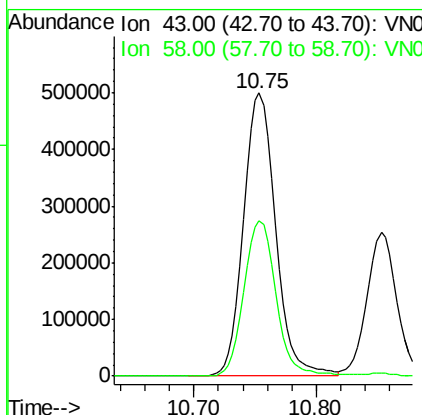
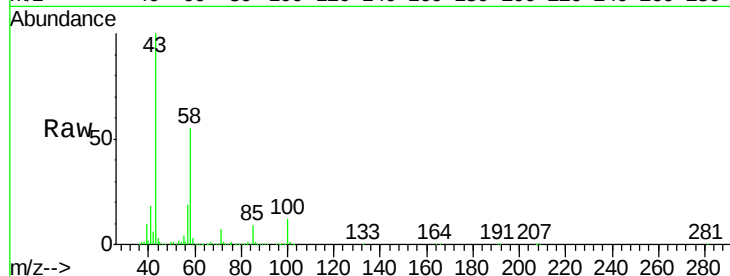




#59
2-Hexanone
Concen: 98.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

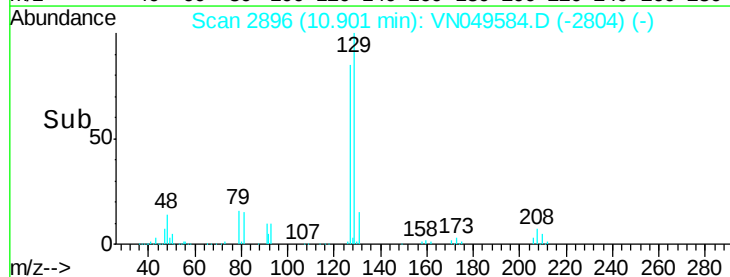
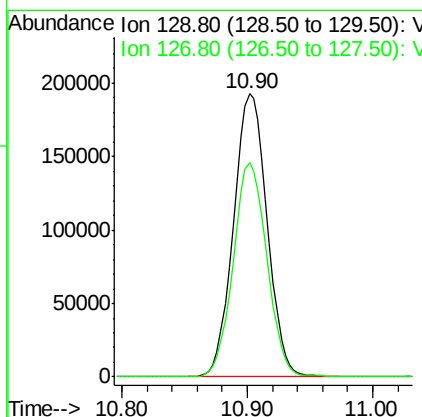
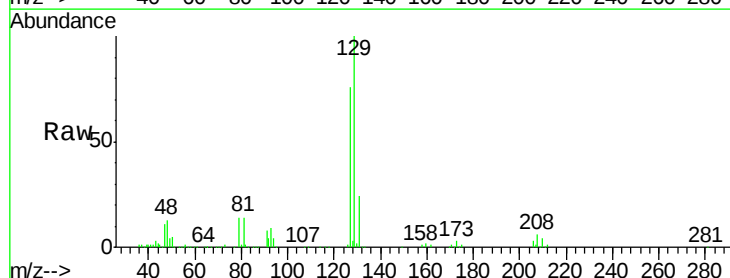
Instrument :
MSVOA_N
ClientSampled :

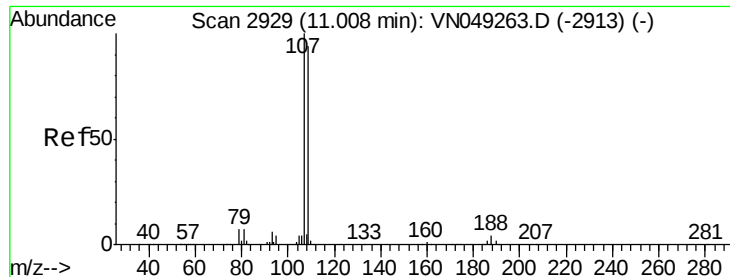
Tot Ion: 43 Resp: 900022
Ion Ratio Lower Upper
43 100
58 55.3 25.2 75.6



#60
Dibromochloromethane
Concen: 18.44 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 129 Resp: 358367
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2

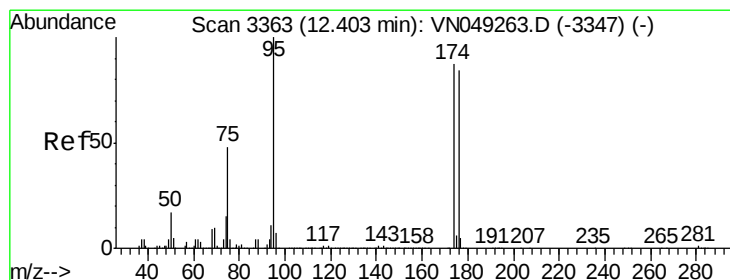
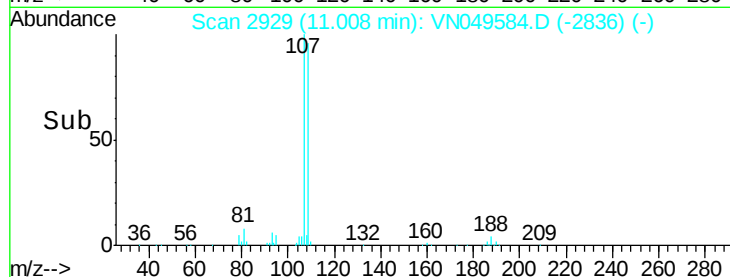
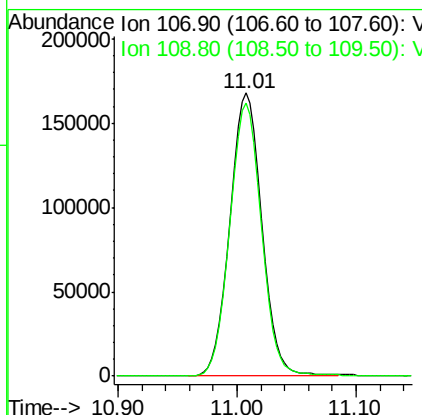
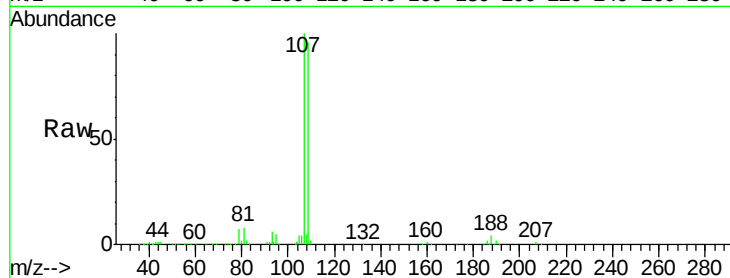




#61
 1,2-Dibromoethane
 Concen: 19.36 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

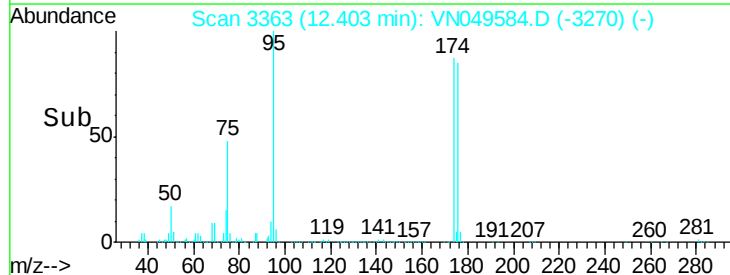
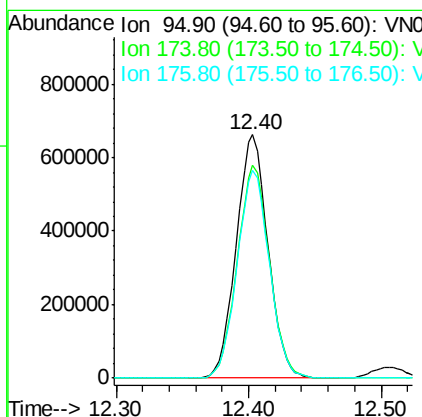
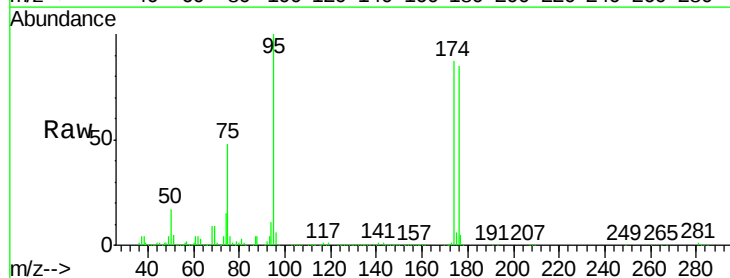
Instrument :
 MSVOA_N
 ClientSampleId :

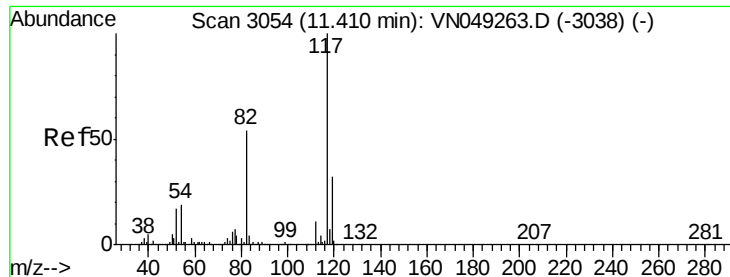
Tot Ion: 107 Resp: 313472
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.72 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion: 95 Resp: 1101102
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 165.6
 176 86.3 0.0 157.4

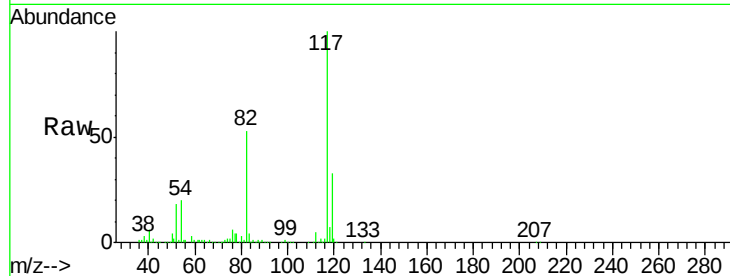




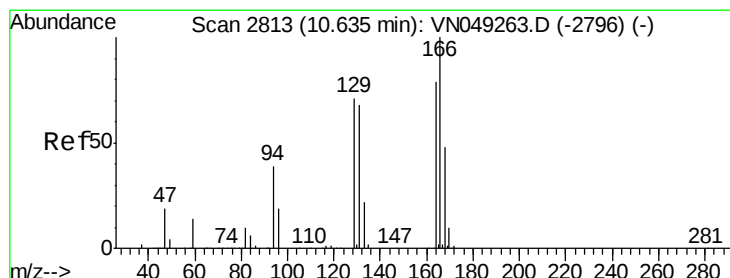
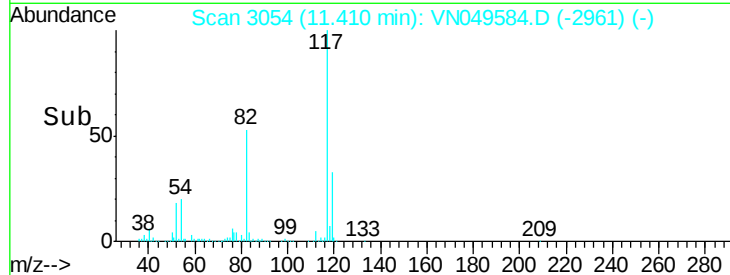
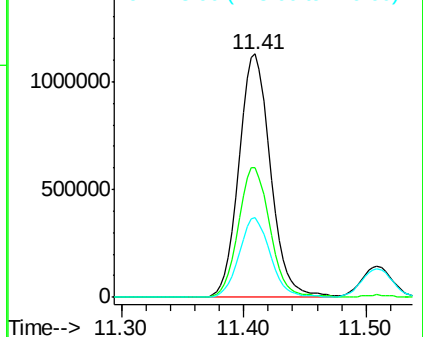
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 2016893
Ion Ratio Lower Upper
117 100
82 53.3 45.9 68.9
119 32.6 25.5 38.3

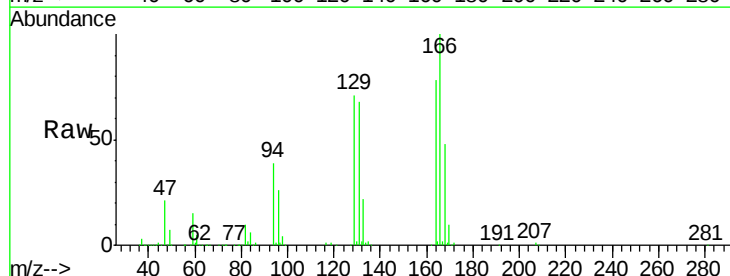


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

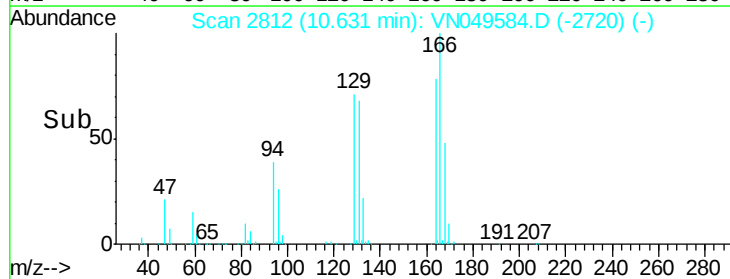
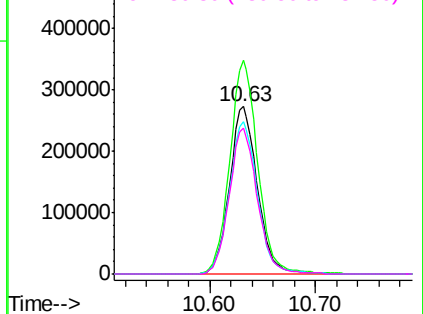


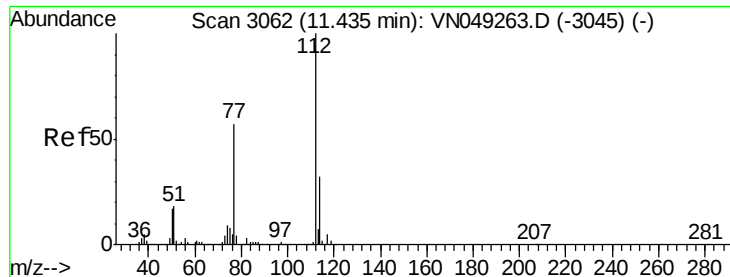
#64
Tetrachloroethene
Concen: 24.13 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion:164 Resp: 498781
Ion Ratio Lower Upper
164 100
166 127.8 101.4 152.2
129 91.0 74.1 111.1
131 87.0 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: 18.99 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

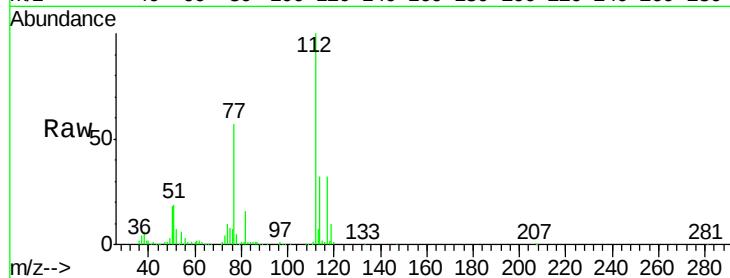
ClientSampled :

Tot Ion:112 Resp: 986539

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

600000

500000

400000

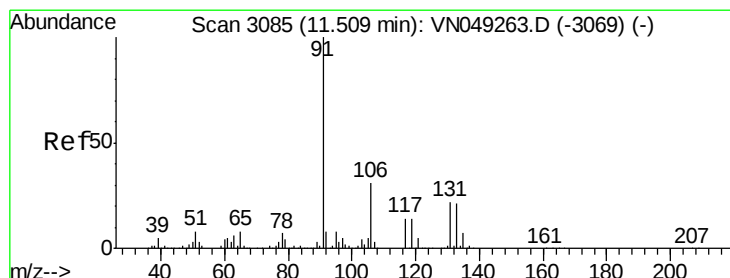
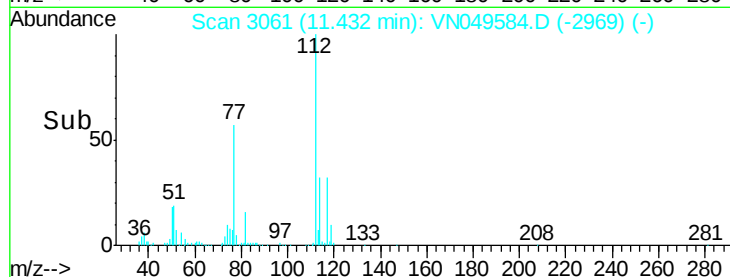
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.35 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

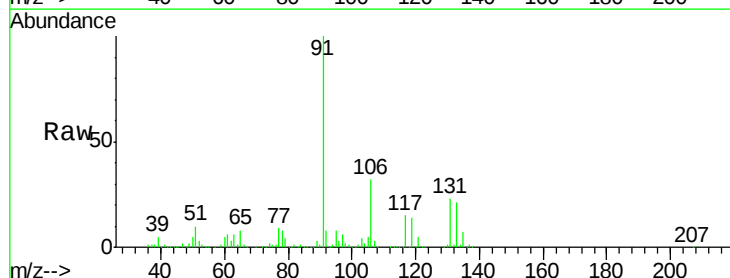
Tgt Ion:131 Resp: 358698

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

119 64.9 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

500000

400000

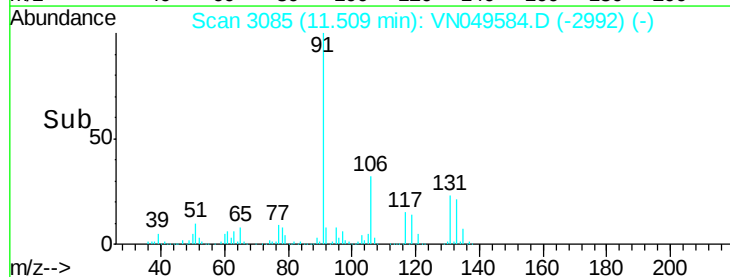
300000

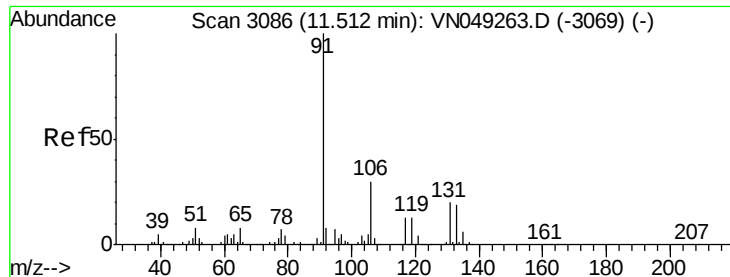
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 19.35 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

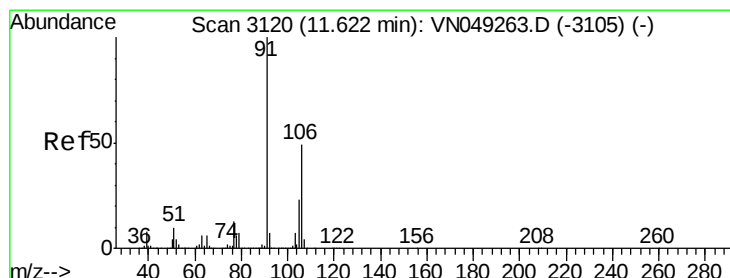
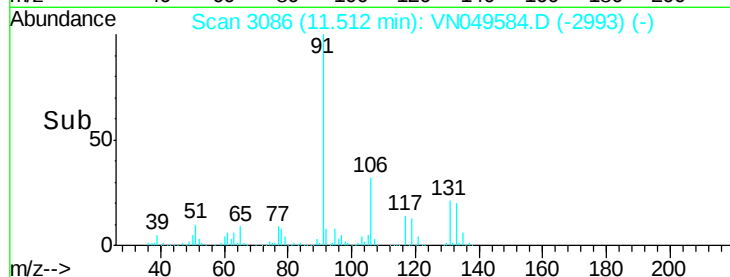
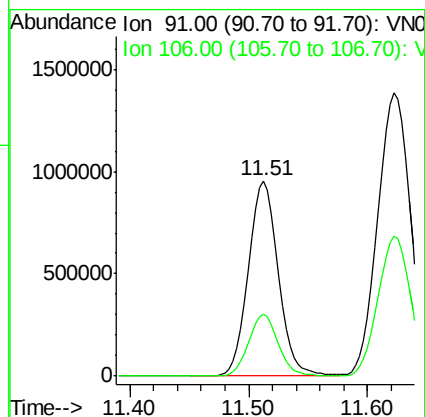
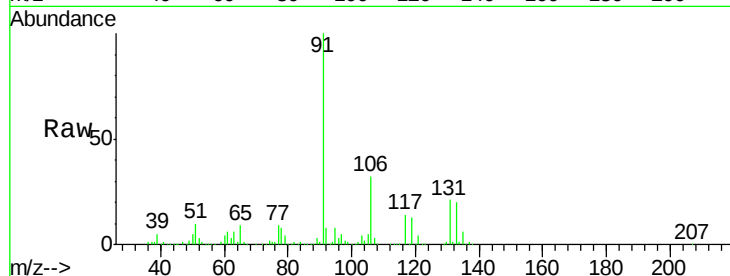
ClientSampleId :

Tot Ion: 91 Resp: 1667873

Ion Ratio Lower Upper

91 100

106 31.9 23.9 35.9



#68

m/p-Xylenes

Concen: 40.77 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049584.D

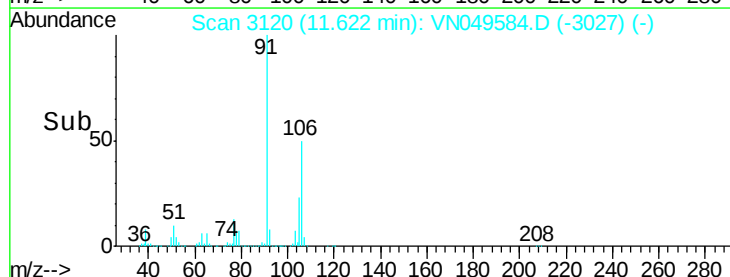
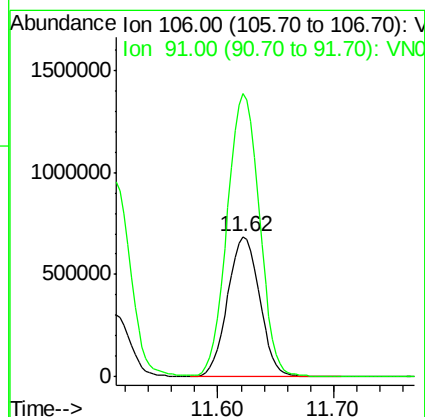
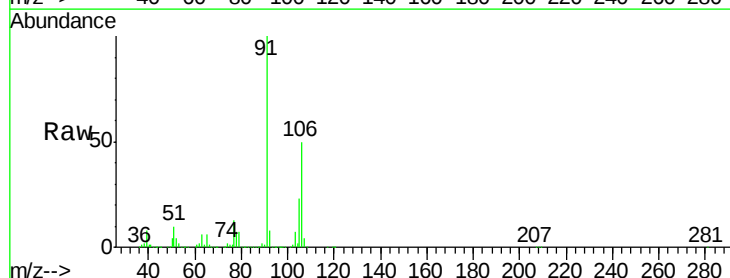
Acq: 28 Jun 2018 12:50

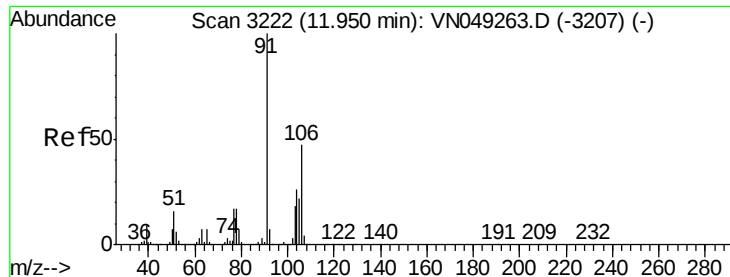
Tgt Ion: 106 Resp: 1318639

Ion Ratio Lower Upper

106 100

91 203.5 167.3 250.9

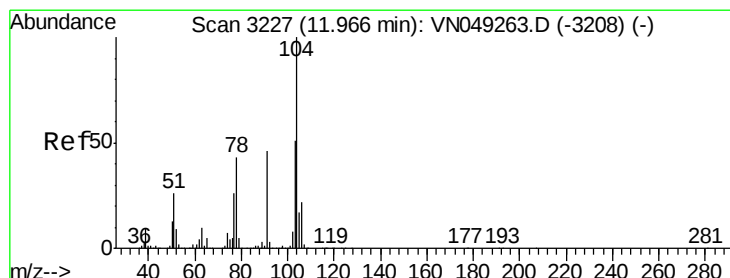
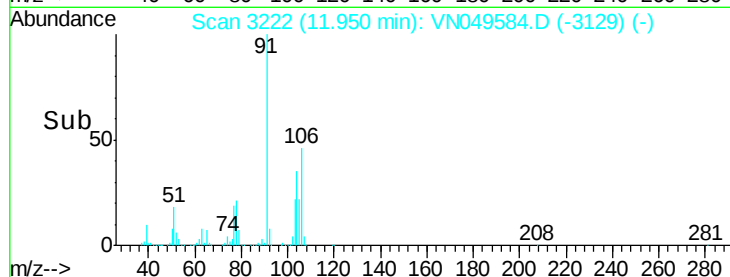
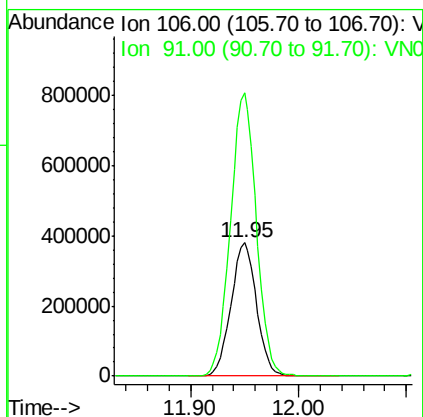
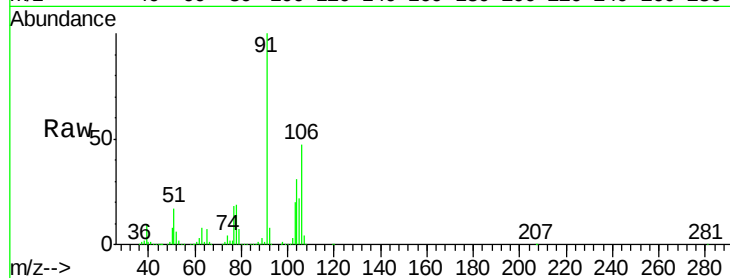




#69
o-Xylene
Concen: 20.17 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

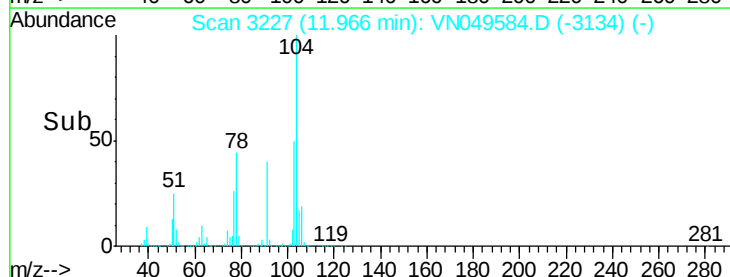
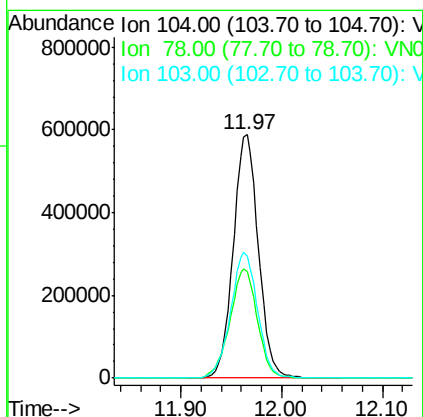
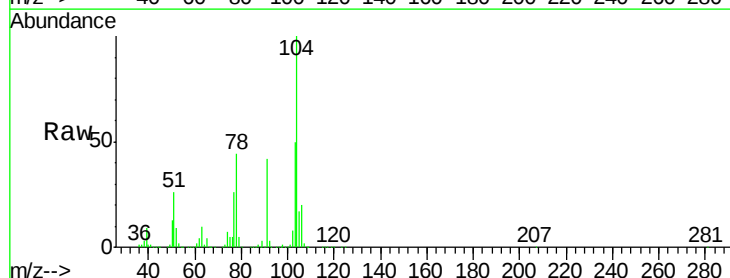
Instrument :
MSVOA_N
ClientSampled :

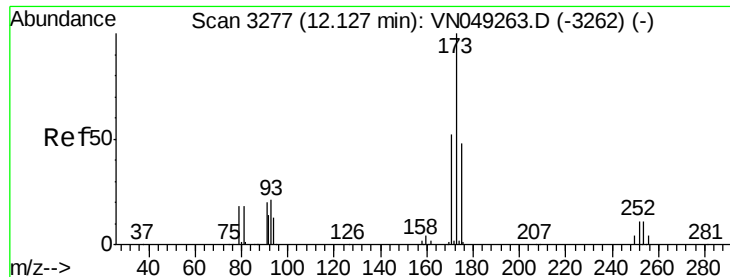
Tot Ion:106 Resp: 628470
Ion Ratio Lower Upper
106 100
91 214.8 111.0 333.0



#70
Styrene
Concen: 20.76 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion:104 Resp: 1020224
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 55.5 45.4 68.2





#71

Bromoform

Concen: 18.47 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

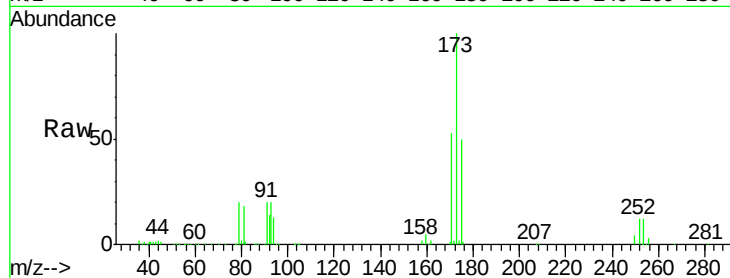
Tot Ion:173 Resp: 233797

Ion Ratio Lower Upper

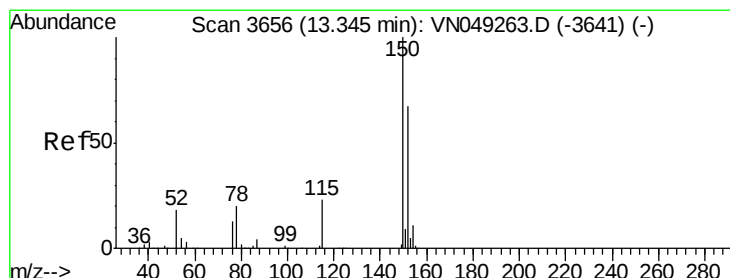
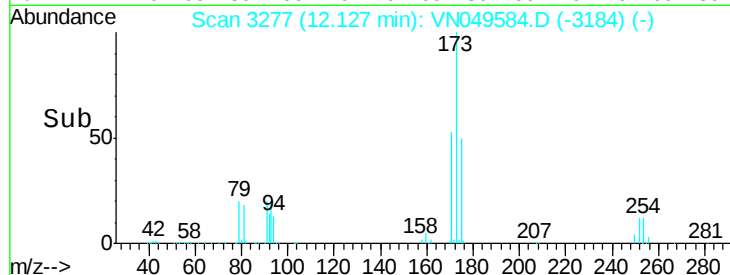
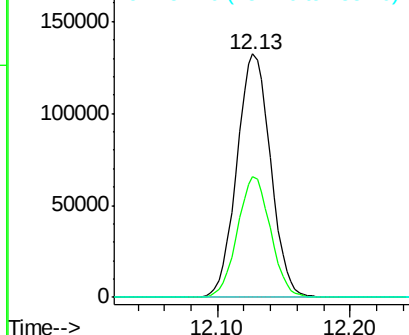
173 100

175 48.5 24.5 73.5

254 0.1 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: VN049584.D

Acq: 28 Jun 2018 12:50

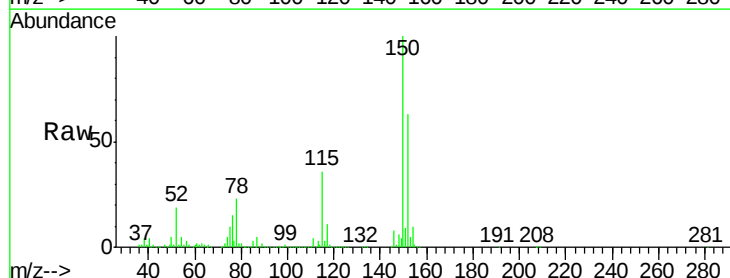
Tgt Ion:152 Resp: 1072780

Ion Ratio Lower Upper

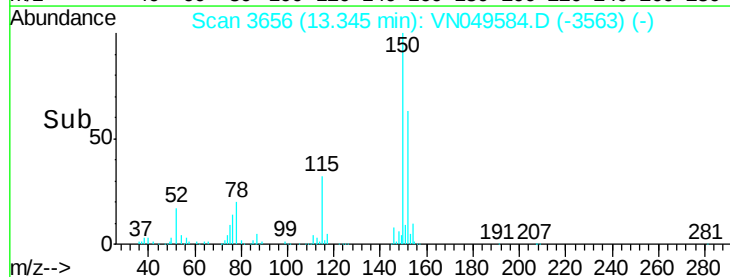
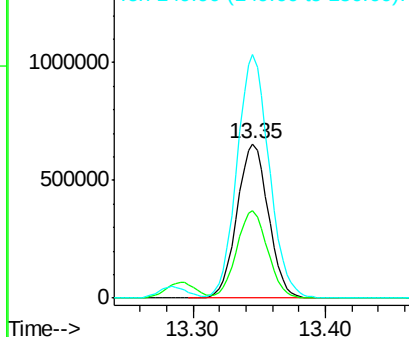
152 100

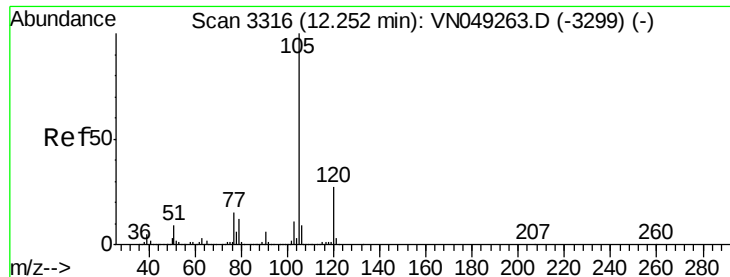
115 56.1 28.7 86.1

150 162.5 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: 17.43 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

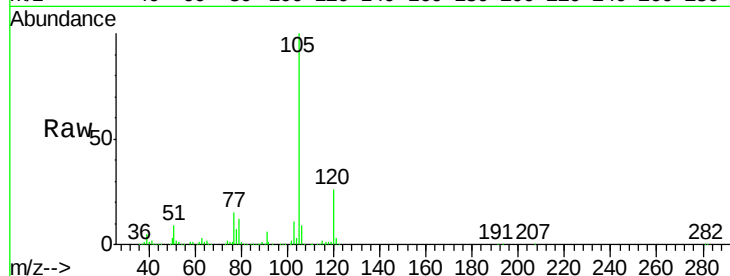
ClientSampled :

Tot Ion:105 Resp: 1641703

Ion Ratio Lower Upper

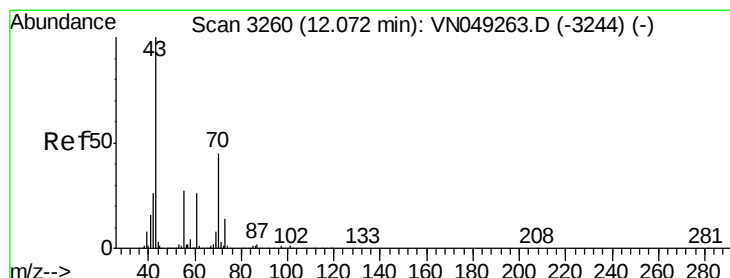
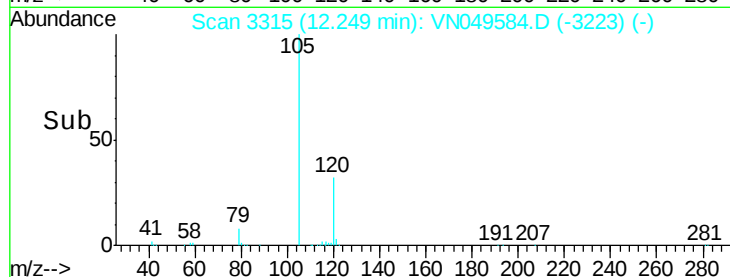
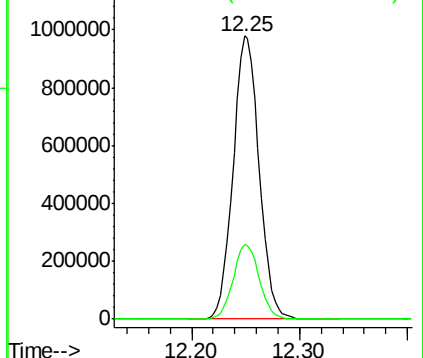
105 100

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: 18.66 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Tgt Ion: 43 Resp: 430517

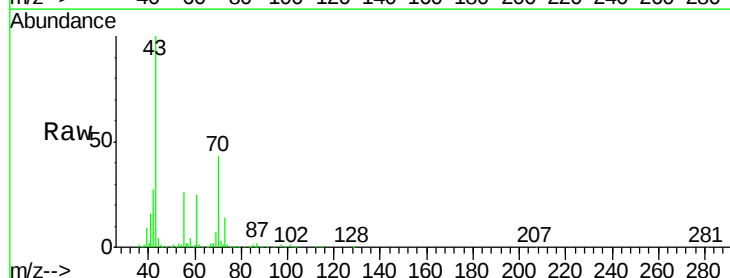
Ion Ratio Lower Upper

43 100

70 44.1 30.3 45.5

55 26.5 19.4 29.2

61 25.2 17.8 26.6

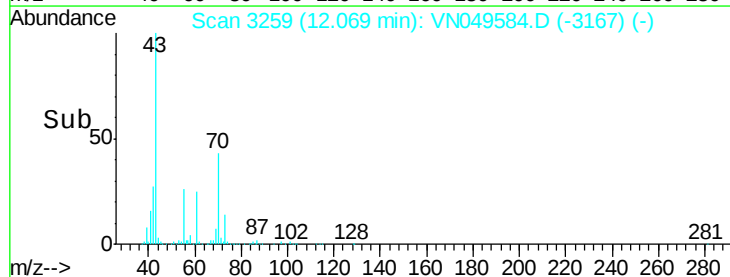
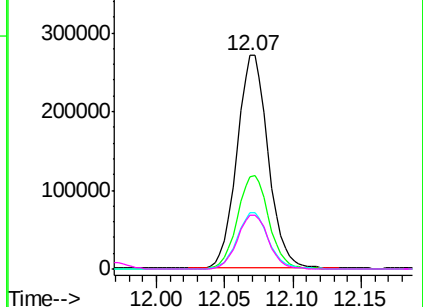


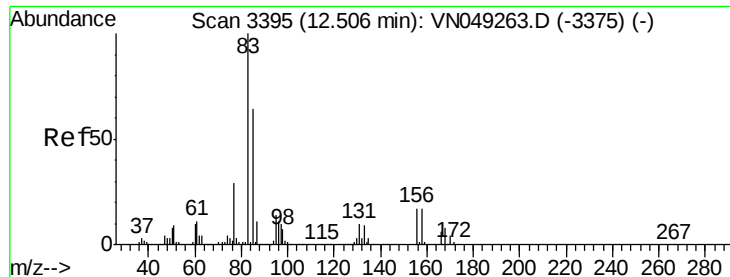
Abundance Ion 43.00 (42.70 to 43.70): V

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: 16.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

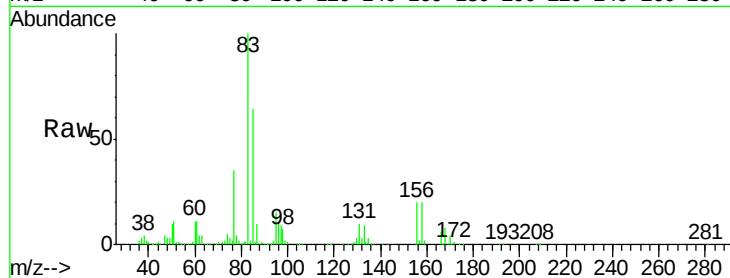
Tot Ion: 83 Resp: 350582

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

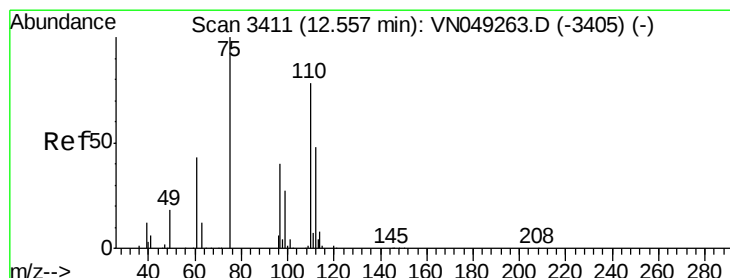
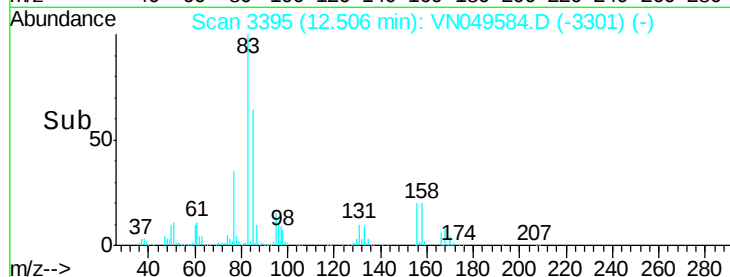
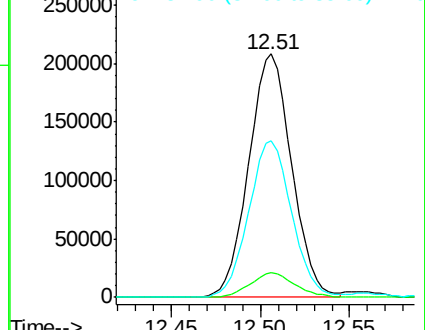
85 64.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.18 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049584.D

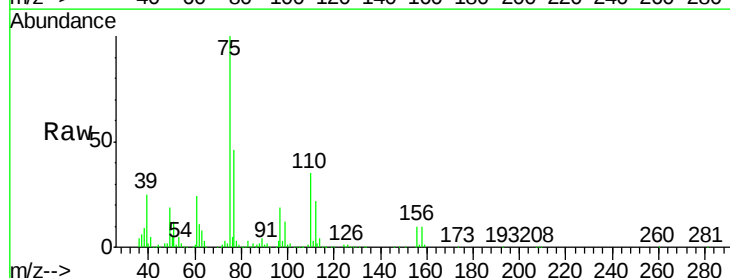
Acq: 28 Jun 2018 12:50

Tgt Ion: 75 Resp: 460829

Ion Ratio Lower Upper

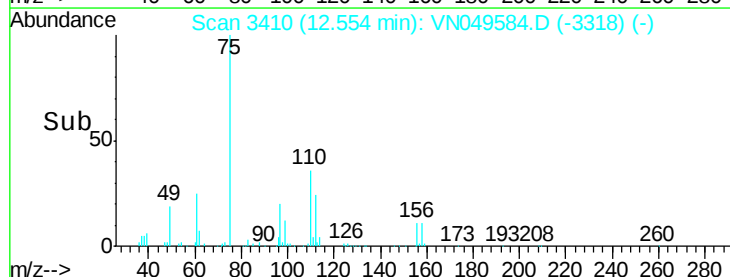
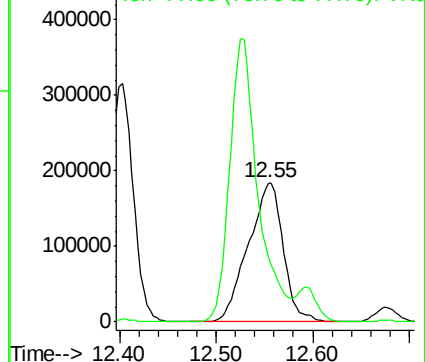
75 100

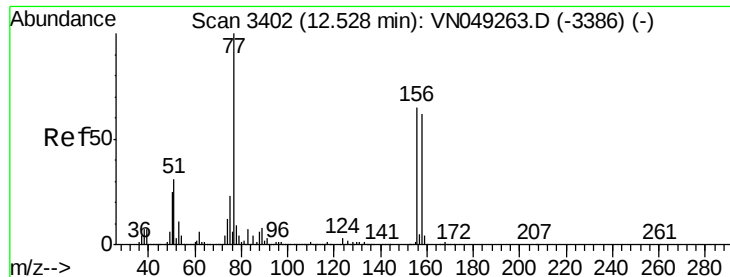
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 16.83 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

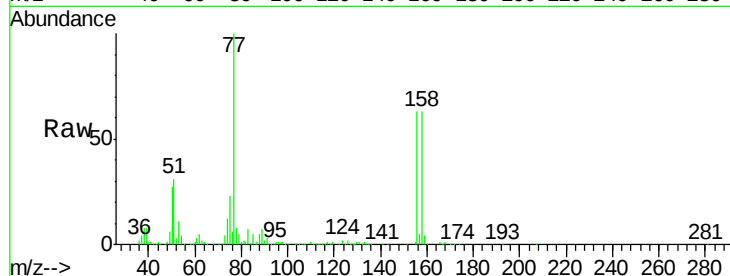
Tot Ion:156 Resp: 418657

Ion Ratio Lower Upper

156 100

77 180.7 100.8 302.4

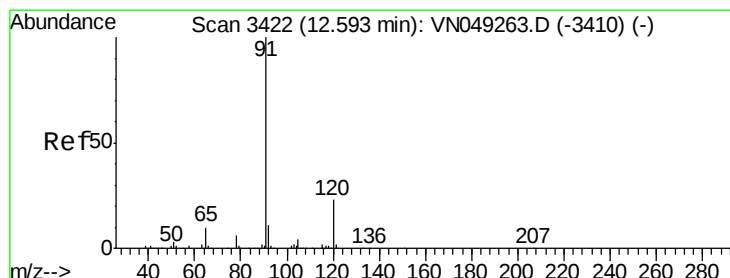
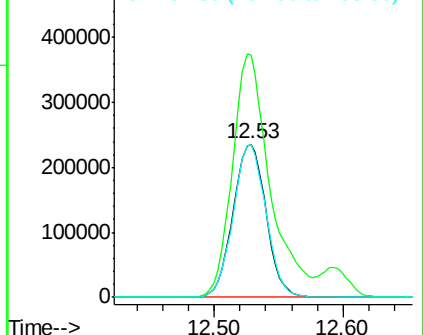
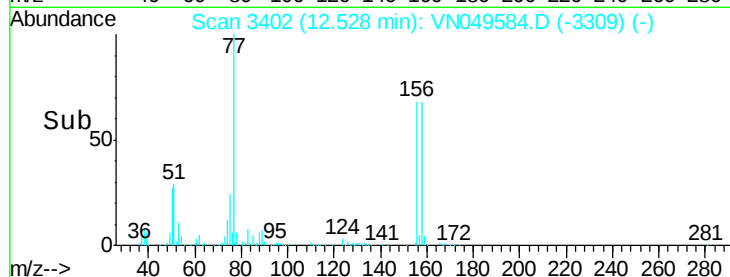
158 99.3 49.3 147.9



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: 18.60 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049584.D

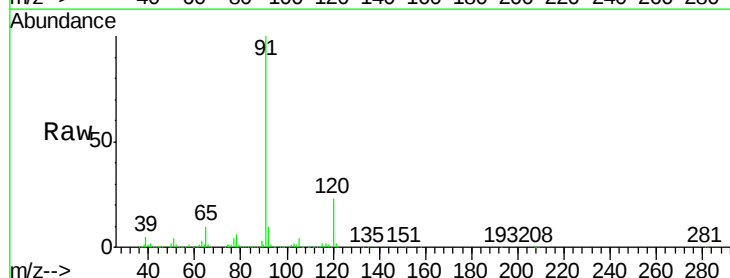
Acq: 28 Jun 2018 12:50

Tgt Ion: 91 Resp: 1923784

Ion Ratio Lower Upper

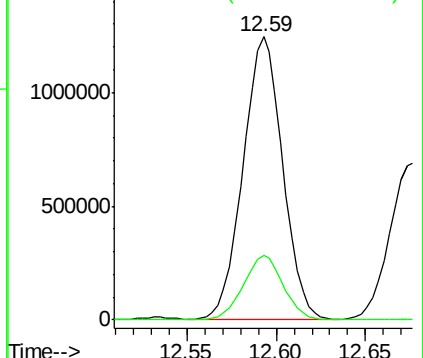
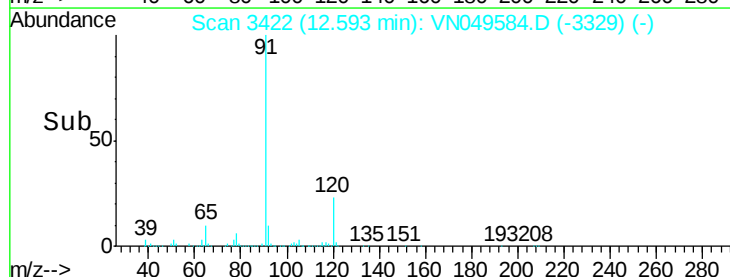
91 100

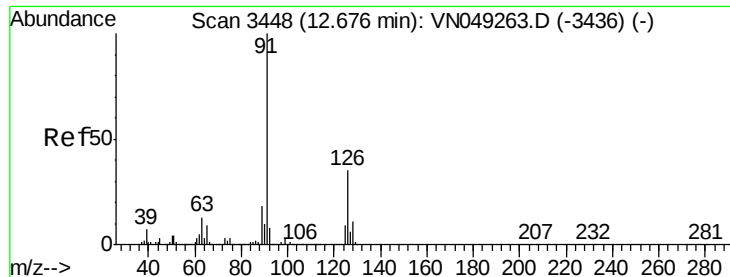
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

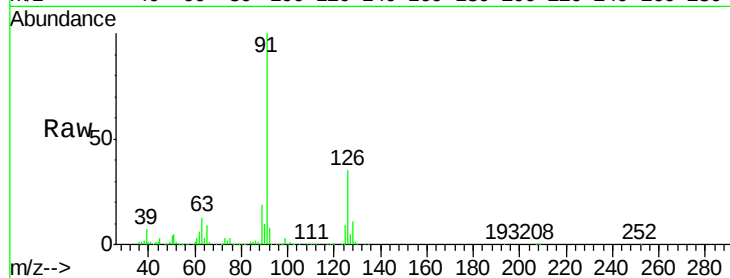
ClientSampleId :

Tot Ion: 91 Resp: 1163657

Ion Ratio Lower Upper

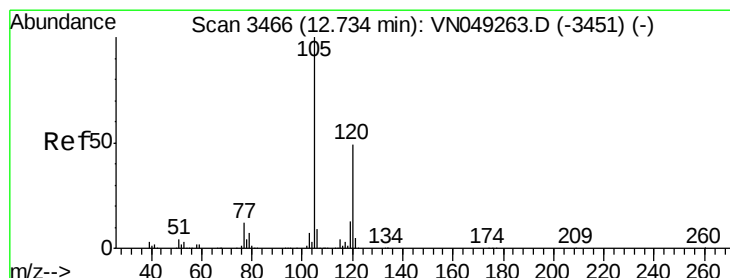
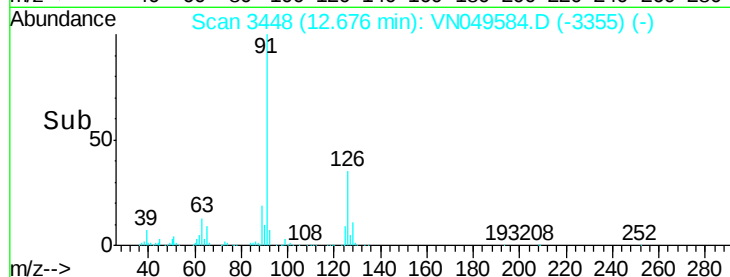
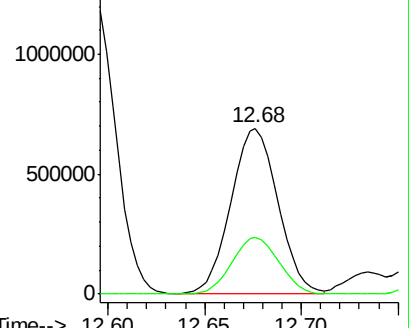
91 100

126 34.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049584.D

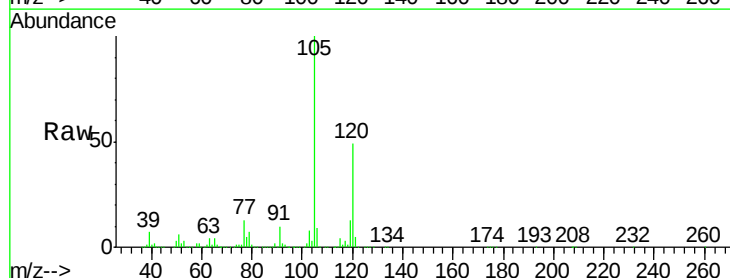
Acq: 28 Jun 2018 12:50

Tgt Ion: 105 Resp: 1410446

Ion Ratio Lower Upper

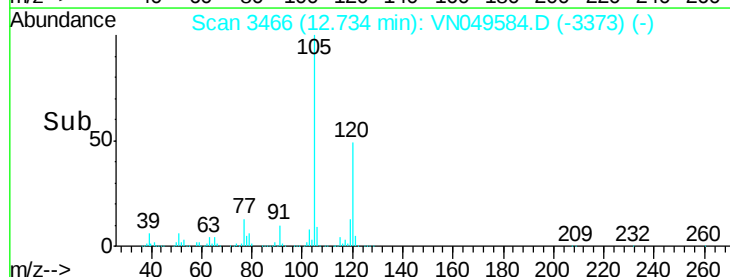
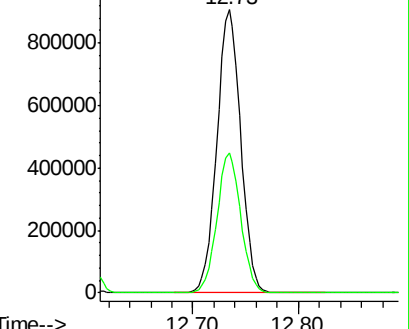
105 100

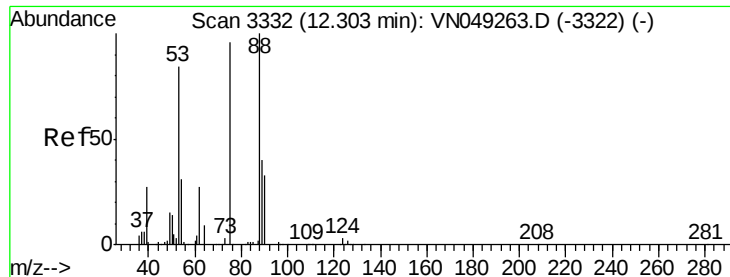
120 49.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

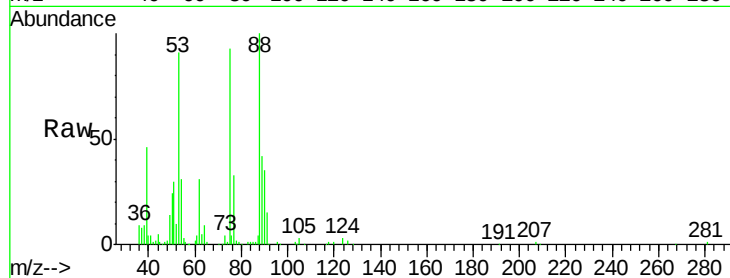
Tot Ion: 75 Resp: 89885

Ion Ratio Lower Upper

75 100

53 100.1 82.7 124.1

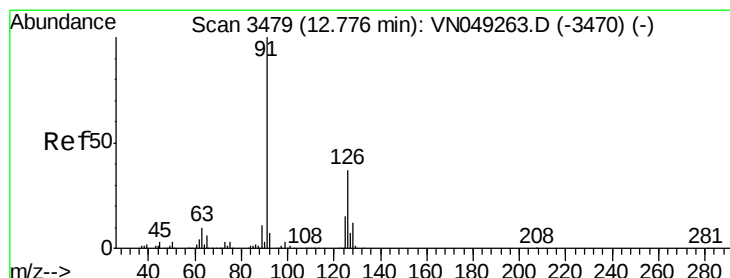
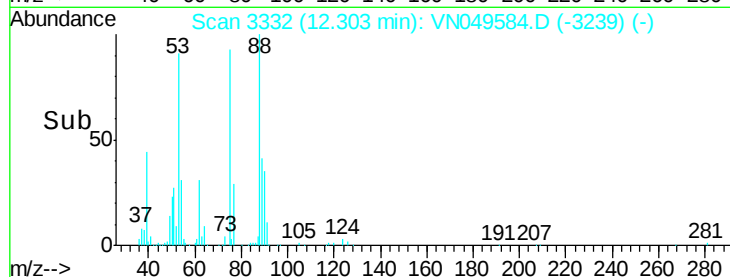
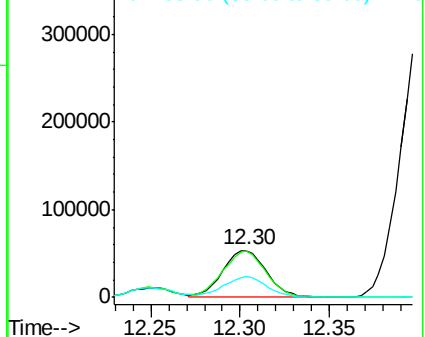
89 44.9 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.76 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049584.D

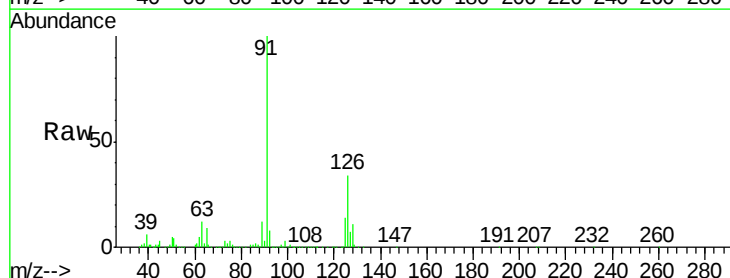
Acq: 28 Jun 2018 12:50

Tgt Ion: 91 Resp: 1186163

Ion Ratio Lower Upper

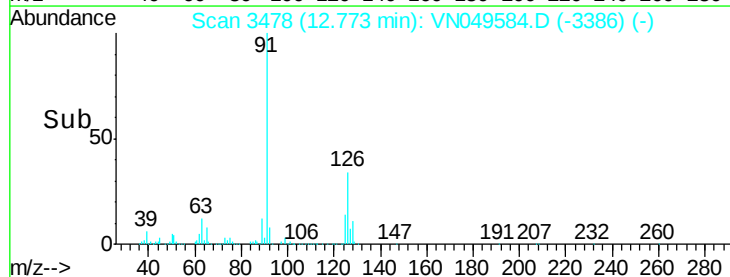
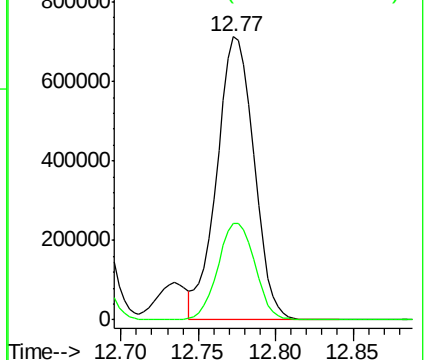
91 100

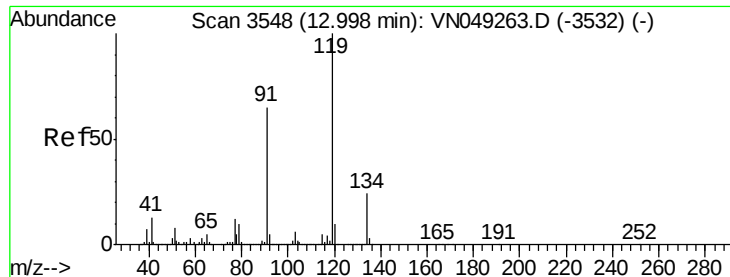
126 34.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.71 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

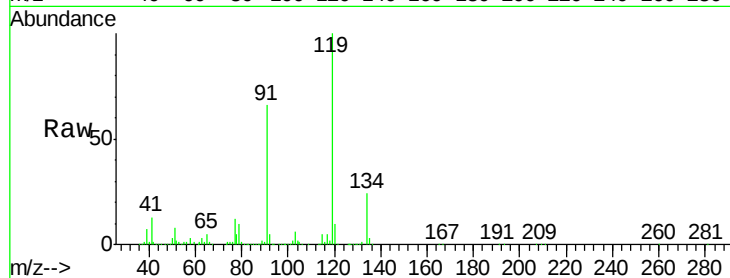
Tot Ion:119 Resp: 1161348

Ion Ratio Lower Upper

119 100

91 65.0 33.7 101.0

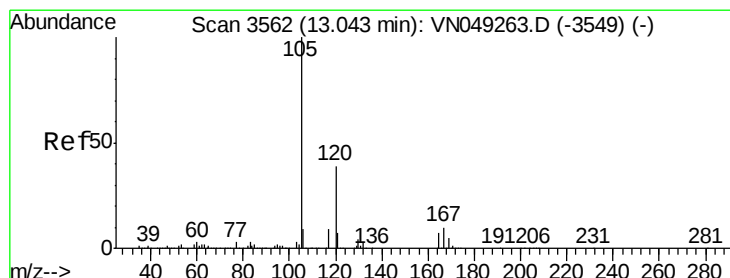
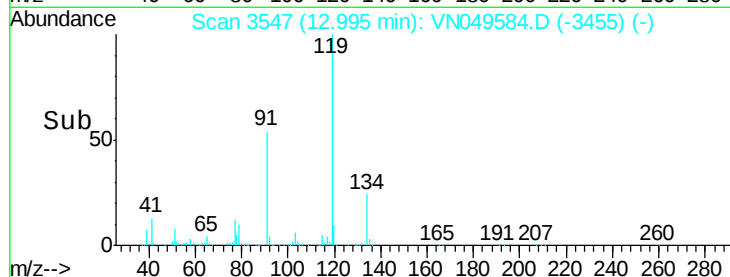
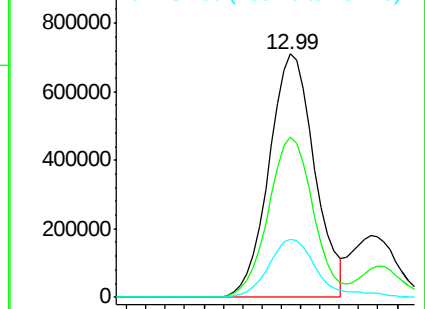
134 25.7 12.9 38.6



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: 19.62 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049584.D

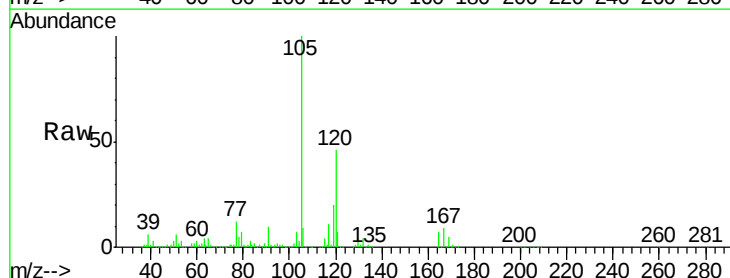
Acq: 28 Jun 2018 12:50

Tgt Ion:105 Resp: 1443325

Ion Ratio Lower Upper

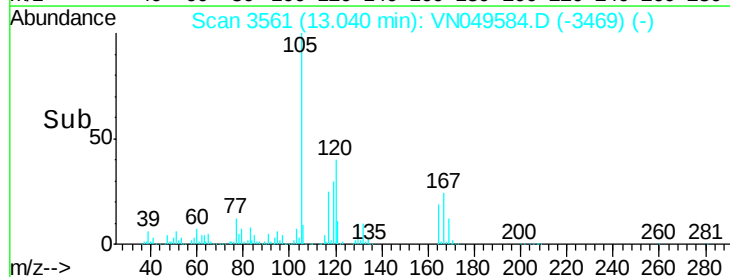
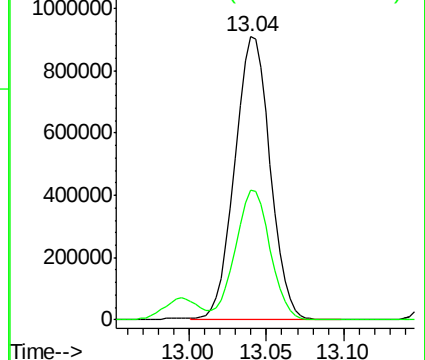
105 100

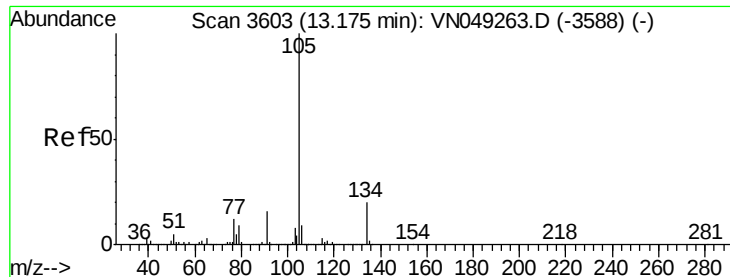
120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.19 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

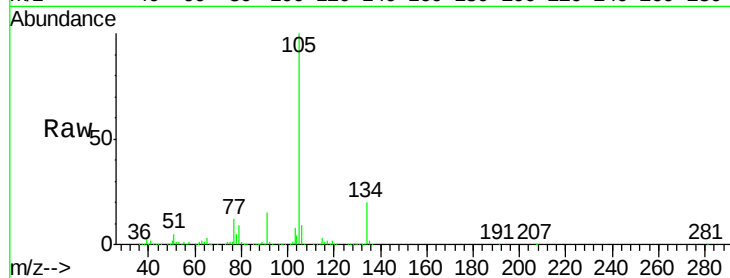
ClientSampled :

Tot Ion:105 Resp: 1587704

Ion Ratio Lower Upper

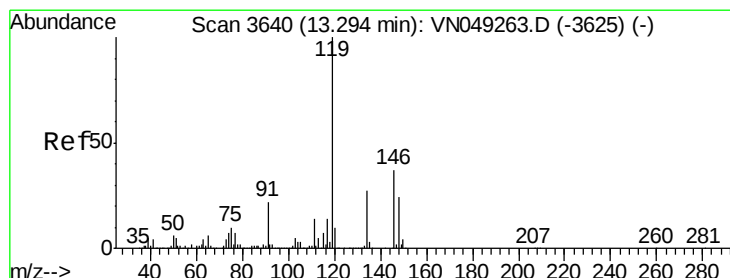
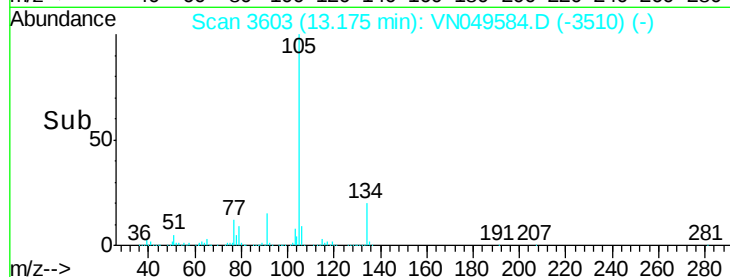
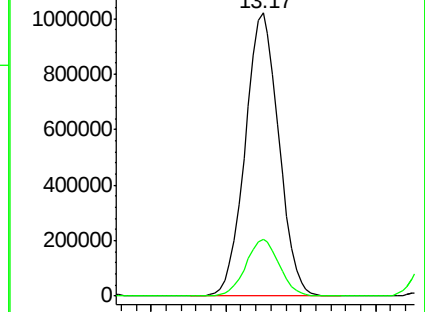
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

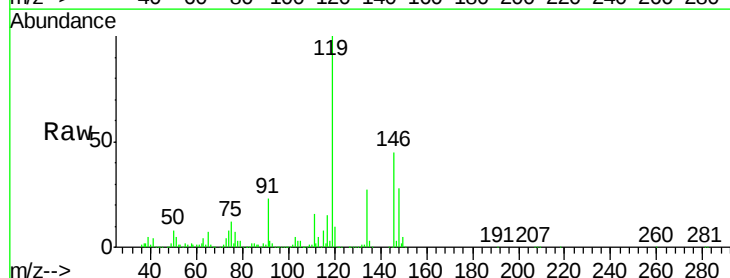
Tgt Ion:119 Resp: 1386026

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

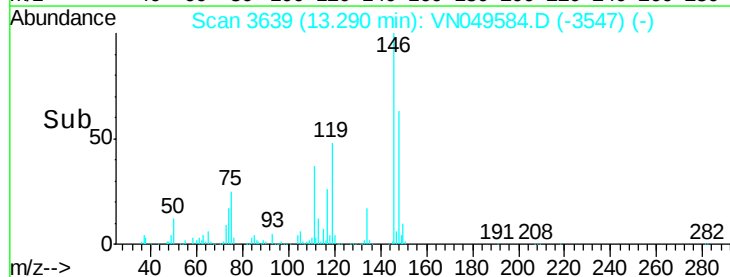
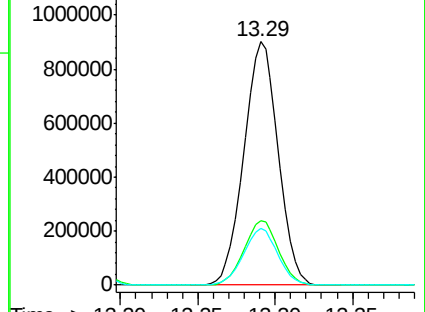
91 23.2 12.1 36.3

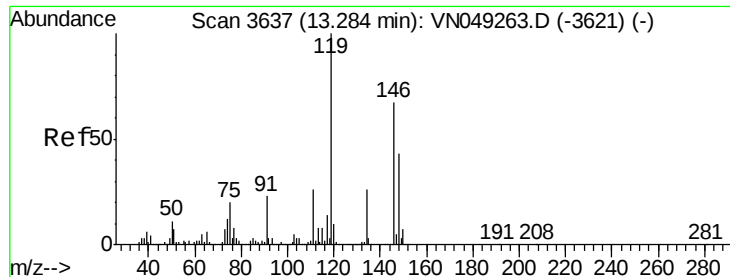


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

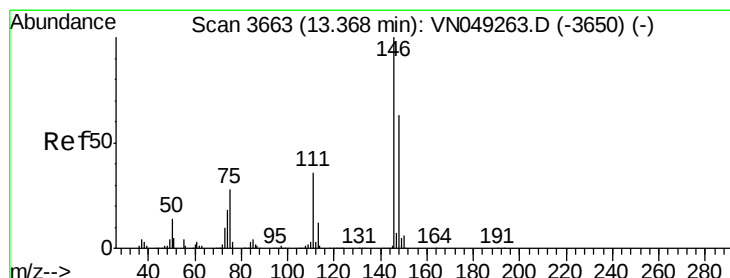
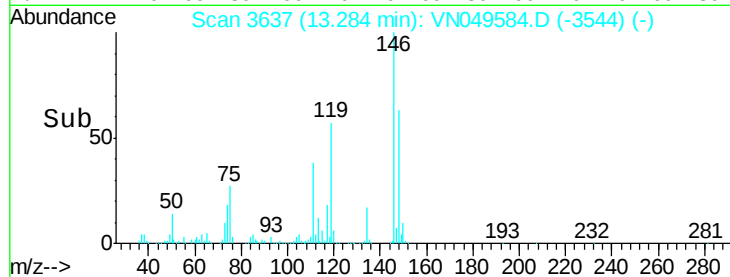
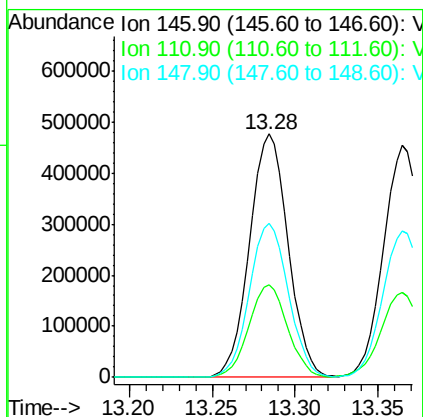
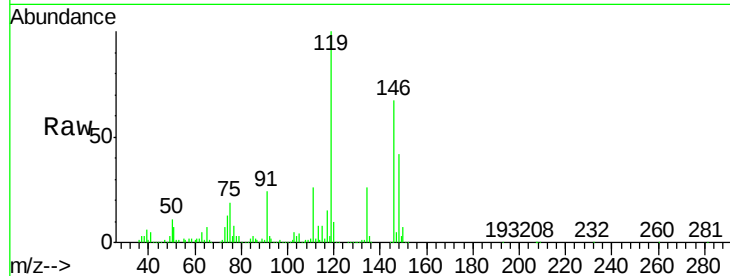




#87
 1,3-Dichlorobenzene
 Concen: 18.93 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

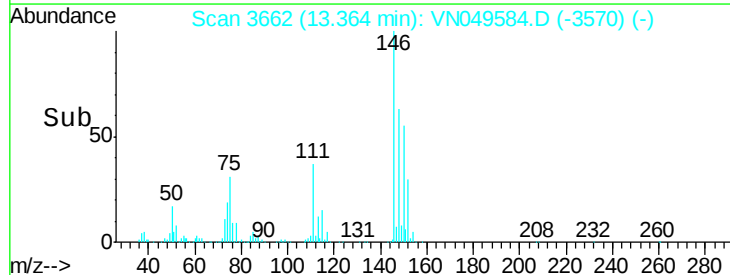
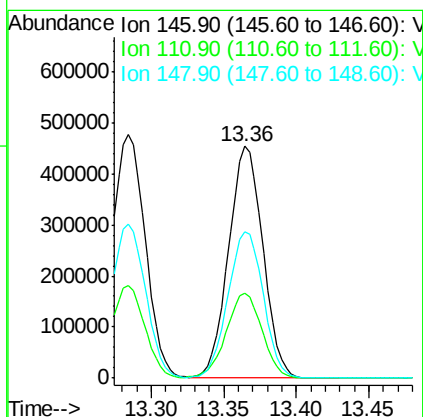
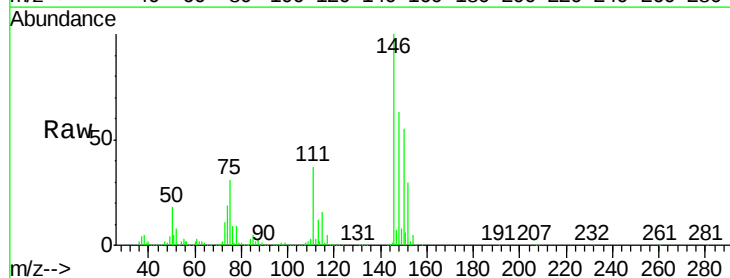
Instrument :
 MSVOA_N
 ClientSampled :

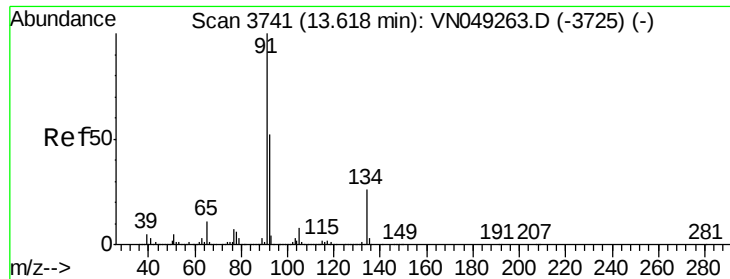
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.6
148	64.0	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.7	32.0	96.2

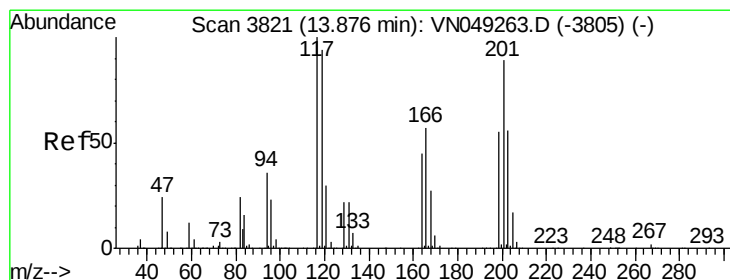
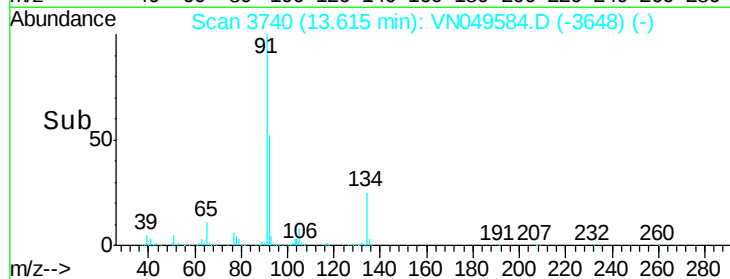
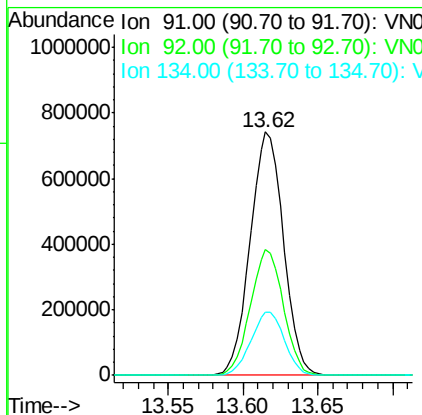
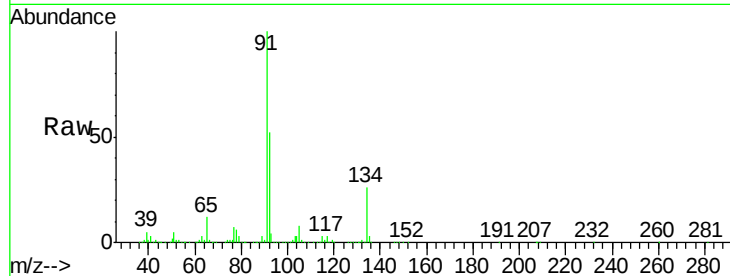




#89
n-Butylbenzene
Concen: 20.16 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

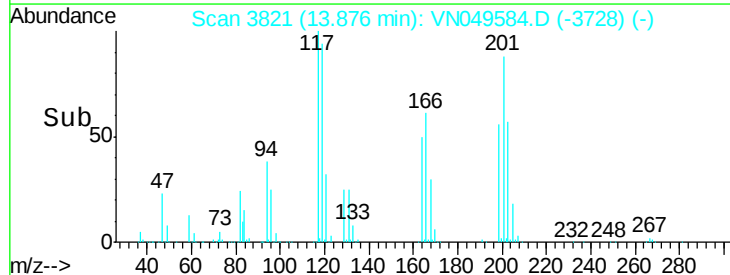
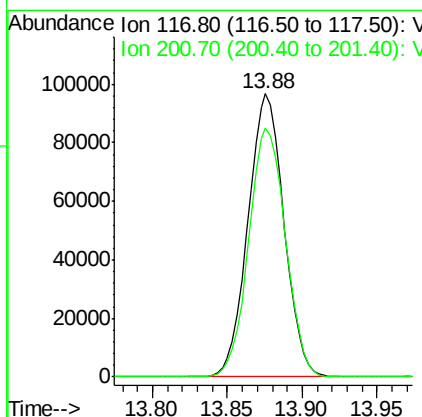
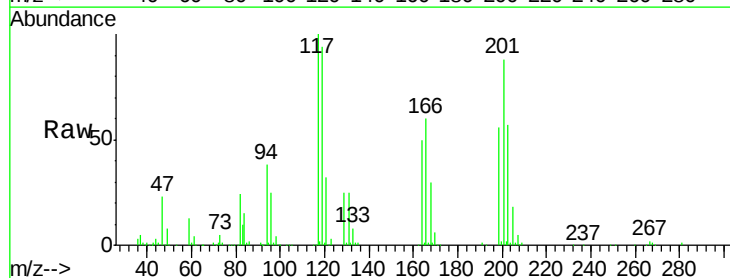
Instrument :
MSVOA_N
ClientSampled :

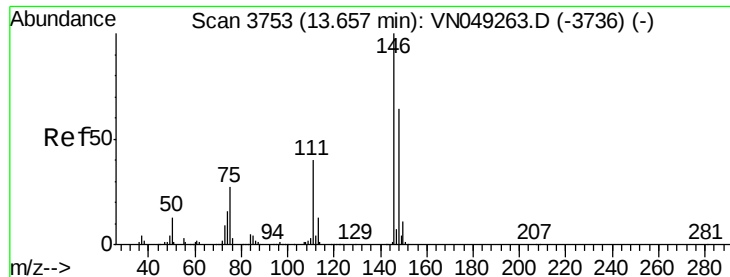
Tot Ion: 91 Resp: 1148487
Ion Ratio Lower Upper
91 100
92 51.1 25.1 75.4
134 26.1 12.0 36.0



#90
Hexachloroethane
Concen: 10.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049584.D
Acq: 28 Jun 2018 12:50

Tgt Ion: 117 Resp: 161849
Ion Ratio Lower Upper
117 100
201 89.8 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 18.85 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

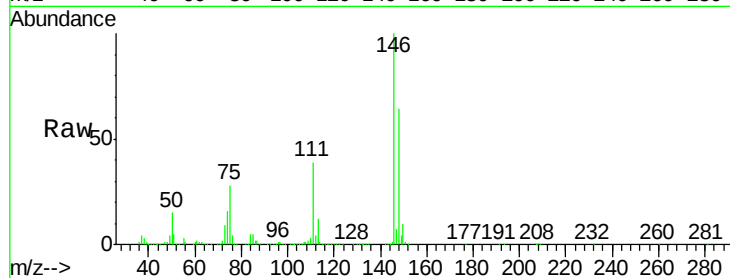
Tot Ion:146 Resp: 756770

Ion Ratio Lower Upper

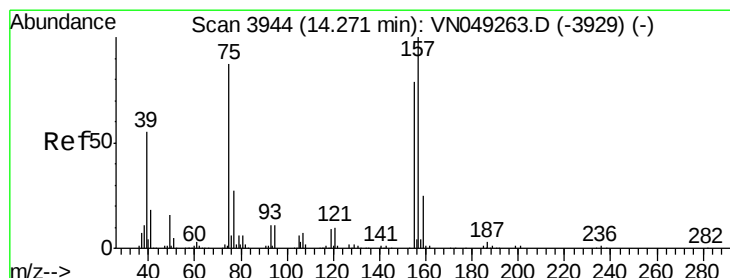
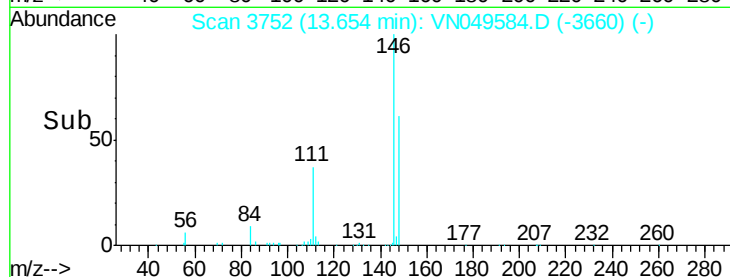
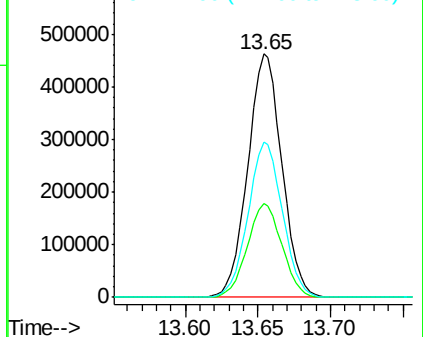
146 100

111 39.2 20.8 62.2

148 64.3 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: 17.71 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

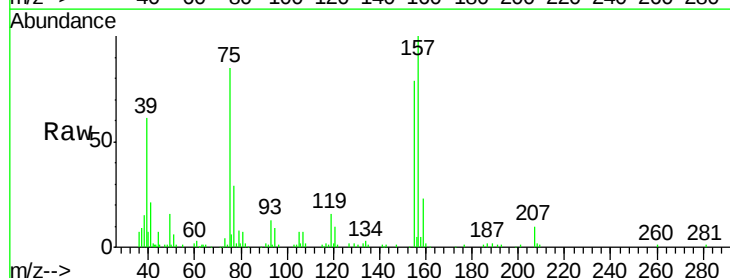
Tgt Ion: 75 Resp: 58065

Ion Ratio Lower Upper

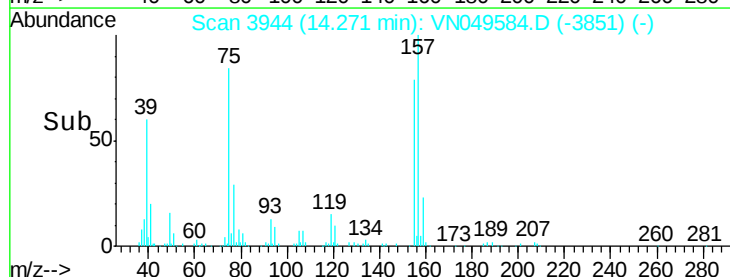
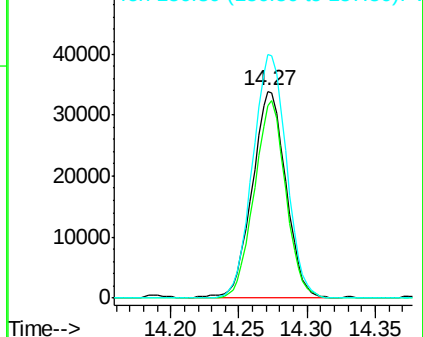
75 100

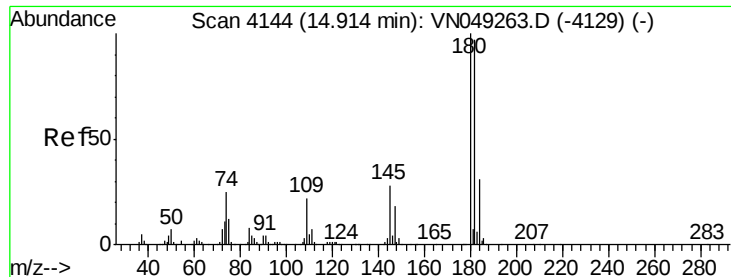
155 89.3 38.8 116.3

157 118.0 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

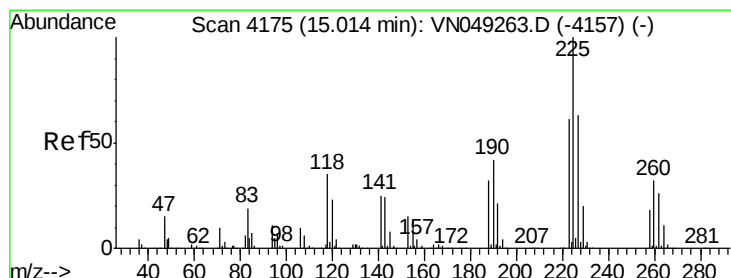
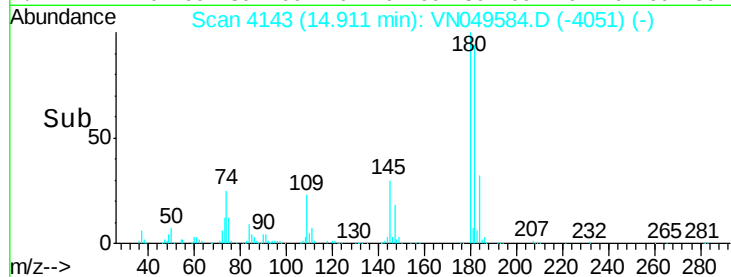
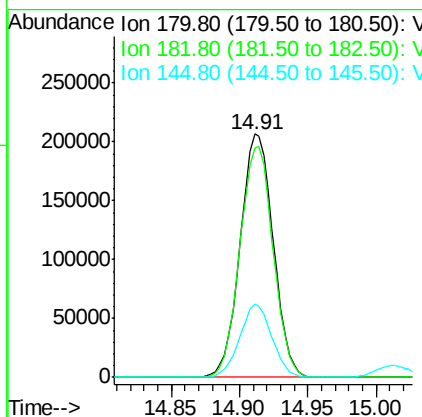
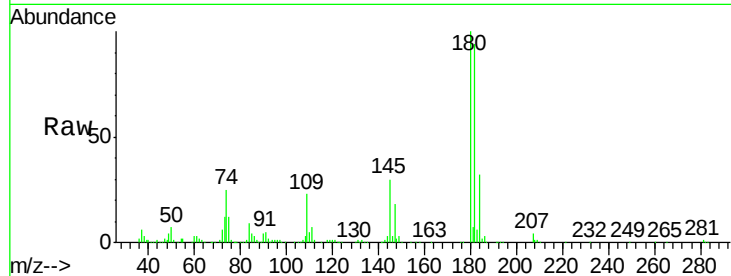




#93
 1,2,4-Trichlorobenzene
 Concen: 21.83 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

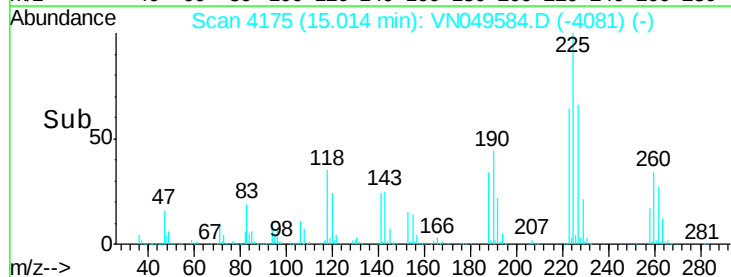
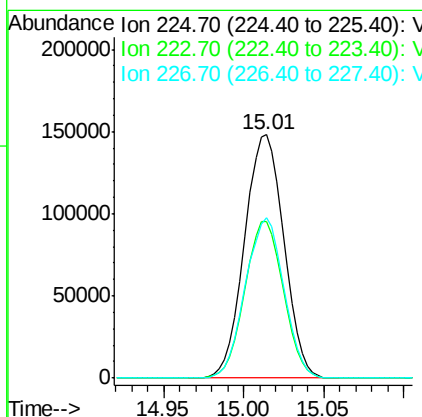
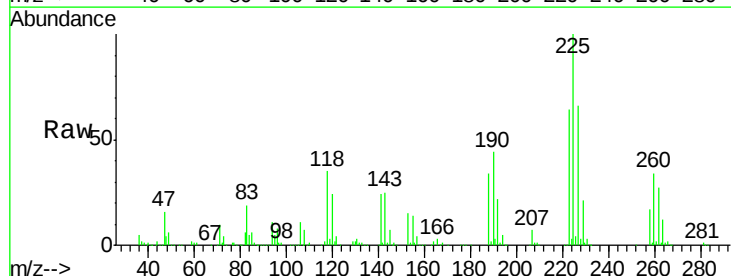
Instrument :
 MSVOA_N
 ClientSampled :

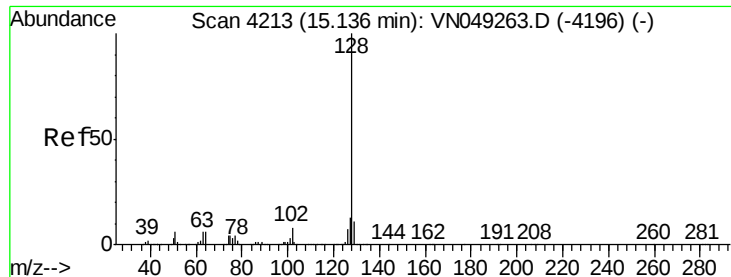
Tot Ion:180 Resp: 347279
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.8
 145 29.2 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 19.48 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049584.D
 Acq: 28 Jun 2018 12:50

Tgt Ion:225 Resp: 248251
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.1 96.3
 227 64.8 31.8 95.3





#95

Naphthalene

Concen: 23.75 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

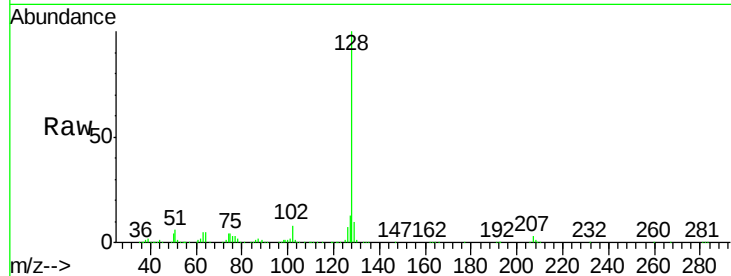
Tot Ion:128 Resp: 686270

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

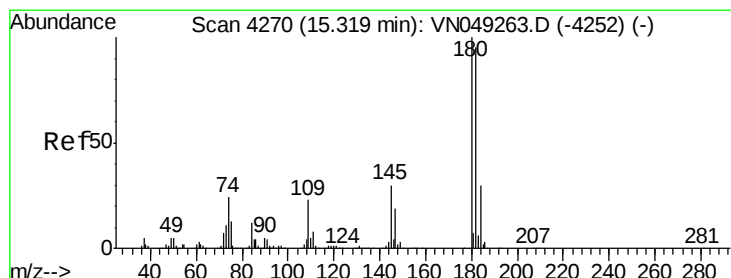
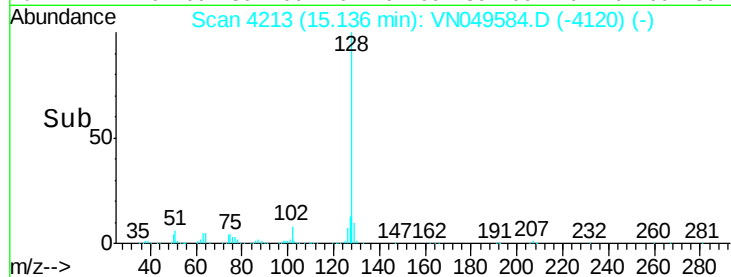
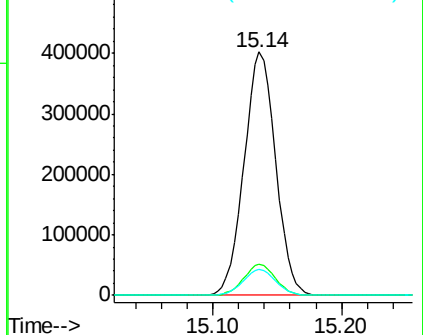
129 10.9 8.5 12.7



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: 21.08 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049584.D

Acq: 28 Jun 2018 12:50

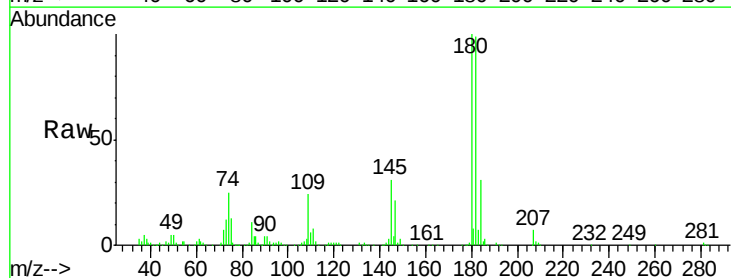
Tgt Ion:180 Resp: 340478

Ion Ratio Lower Upper

180 100

182 96.7 47.3 141.8

145 31.2 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

