

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049532.D
 Acq On : 26 Jun 2018 1:20
 Operator : MD\SY
 Sample : VN0625WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Quant Time: Jun 26 03:31:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1395492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2111317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	874705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	921529	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.59	113	825835	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	3093036	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.40	95	983048	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	257226	16.01	ug/l	100
3) Chloromethane	2.06	50	333937	16.10	ug/l	97
4) Vinyl Chloride	2.18	62	374035	16.97	ug/l	99
5) Bromomethane	2.57	94	213324	18.41	ug/l	97
6) Chloroethane	2.71	64	237030	18.03	ug/l	98
7) Trichlorofluoromethane	3.02	101	522883	19.01	ug/l	100
8) Diethyl Ether	3.41	74	179899	18.74	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	317327	18.19	ug/l	94
10) Methyl Iodide	3.95	142	359383	19.79	ug/l	91
11) Tert butyl alcohol	4.79	59	95191	87.63	ug/l	98
12) 1,1-Dichloroethene	3.74	96	289887	18.12	ug/l	89
13) Acrolein	3.61	56	131548	115.47	ug/l	99
14) Allyl chloride	4.32	41	458931	18.17	ug/l	89
15) Acrylonitrile	4.99	53	506323	93.21	ug/l	98
16) Acetone	3.82	43	369731	82.27	ug/l	95
17) Carbon Disulfide	4.05	76	811980	16.19	ug/l	100
18) Methyl Acetate	4.33	43	291449	21.27	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	782020	19.17	ug/l	96
20) Methylene Chloride	4.55	84	349796	18.64	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	305596	18.04	ug/l	89
22) Diisopropyl ether	5.96	45	999475	19.81	ug/l	98
23) Vinyl Acetate	5.90	43	3032042	92.19	ug/l	97
24) 1,1-Dichloroethane	5.85	63	608903	18.86	ug/l	98
25) 2-Butanone	6.84	43	538596	89.25	ug/l	96
26) 2,2-Dichloropropane	6.83	77	431098	16.53	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	351615	18.67	ug/l	91
28) Bromochloromethane	7.20	49	295450	20.64	ug/l	85
29) Tetrahydrofuran	7.22	42	363488	93.58	ug/l	95
30) Chloroform	7.37	83	621435	19.34	ug/l	99
31) Cyclohexane	7.65	56	509663	18.51	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	530727	19.36	ug/l	97
36) 1,1-Dichloropropene	7.79	75	455132	18.81	ug/l	98
37) Ethyl Acetate	6.93	43	256070	19.47	ug/l	98
38) Carbon Tetrachloride	7.78	117	472630	18.87	ug/l	98

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 Data File : VN049532.D
 Acq On : 26 Jun 2018 1:20
 Operator : MD\SY
 Sample : VN0625WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Quant Time: Jun 26 03:31:10 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	448844	17.28	ug/l	98
40) Benzene	8.04	78	1386752	18.69	ug/l	99
41) Methacrylonitrile	7.18	41	136416	19.18	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	436180	19.03	ug/l	97
43) Isopropyl Acetate	8.17	43	484964	19.29	ug/l	97
44) Trichloroethene	8.84	130	377412	19.27	ug/l	95
45) 1,2-Dichloropropane	9.12	63	360335	18.55	ug/l	99
46) Dibromomethane	9.21	93	212108	18.83	ug/l	91
47) Bromodichloromethane	9.40	83	471647	19.06	ug/l	97
48) Methyl methacrylate	9.20	41	228871	19.34	ug/l	90
49) 1,4-Dioxane	9.20	88	57703	353.23	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1244293	94.46	ug/l	94
52) Toluene	10.16	92	848423	19.49	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	414650	17.51	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	502534	17.98	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	305373	18.81	ug/l	97
56) Ethyl methacrylate	10.43	69	337642	18.03	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	502791	18.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	465516	79.88	ug/l	94
59) 2-Hexanone	10.75	43	755832	89.00	ug/l	94
60) Dibromochloromethane	10.90	129	337504	18.63	ug/l	100
61) 1,2-Dibromoethane	11.01	107	281498	18.66	ug/l	98
64) Tetrachloroethene	10.63	164	425515	21.98	ug/l	98
65) Chlorobenzene	11.44	112	905264	18.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	348436	19.03	ug/l	99
67) Ethyl Benzene	11.51	91	1518425	18.81	ug/l	98
68) m/p-Xylenes	11.62	106	1172980	38.72	ug/l	97
69) o-Xylene	11.95	106	562112	19.27	ug/l	96
70) Styrene	11.97	104	872070	18.94	ug/l	98
71) Bromoform	12.13	173	223406	18.85	ug/l #	99
73) Isopropylbenzene	12.25	105	1493632	19.45	ug/l	98
74) N-amyl acetate	12.07	43	326616	17.36	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	321512	18.96	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	416585	27.91	ug/l #	100
77) Bromobenzene	12.53	156	379008	18.68	ug/l	90
78) n-propylbenzene	12.59	91	1629842	19.33	ug/l	98
79) 2-Chlorotoluene	12.68	91	1022979	19.15	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1216618	20.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	75556	16.00	ug/l	96
82) 4-Chlorotoluene	12.78	91	997140	19.34	ug/l	98
83) tert-Butylbenzene	12.99	119	1018556	19.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1188936	19.83	ug/l	99
85) sec-Butylbenzene	13.17	105	1346618	18.92	ug/l	99
86) p-Isopropyltoluene	13.29	119	1118978	18.82	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	611996	18.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	585714	17.71	ug/l	100
89) n-Butylbenzene	13.62	91	764248	16.45	ug/l	98
90) Hexachloroethane	13.88	117	235974	19.95	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	599434	18.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44131	16.50	ug/l	88

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Acq On : 26 Jun 2018 1:20
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Sample : VN0625WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Quant Time: Jun 26 03:31:10 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

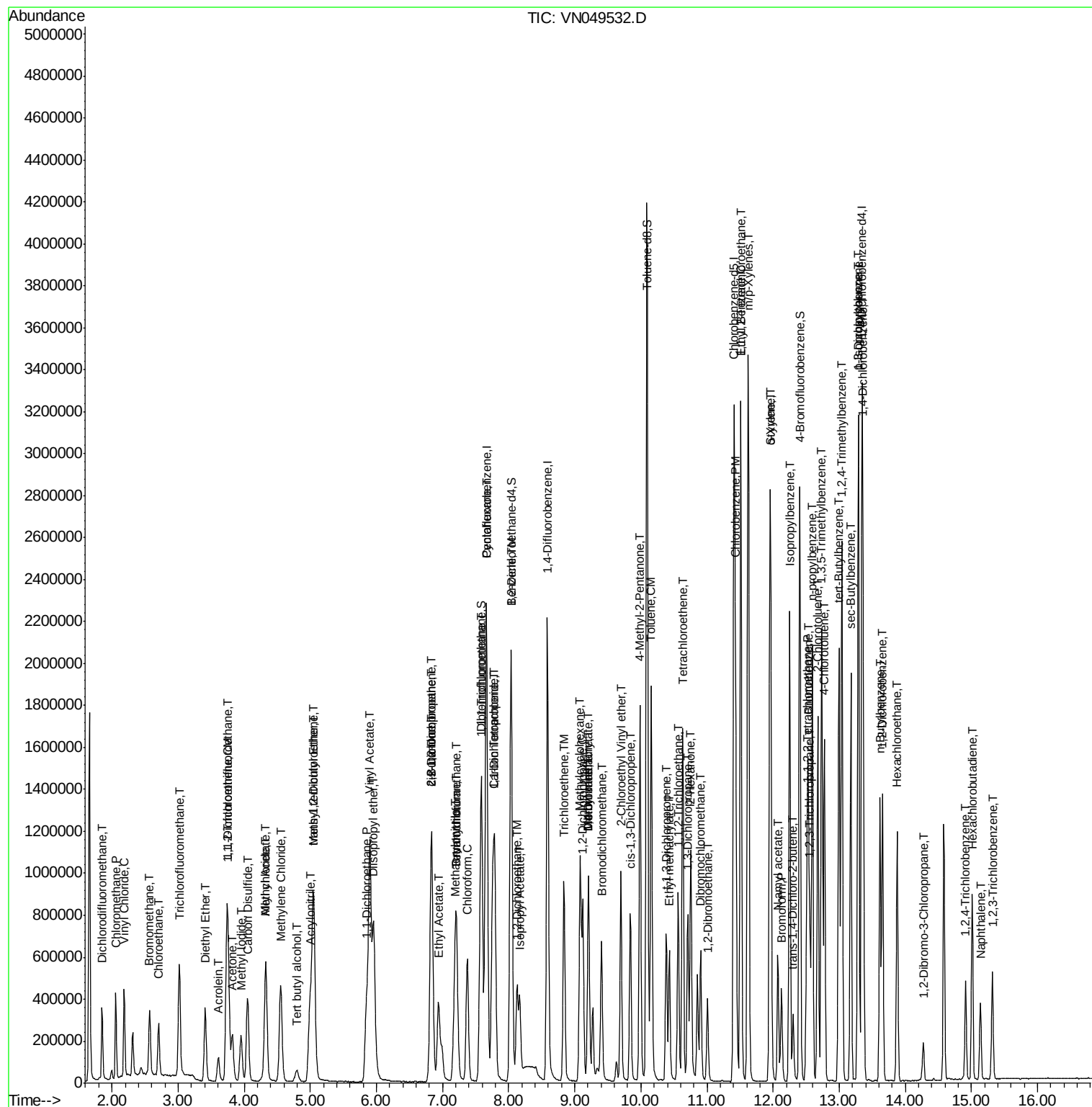
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161466	14.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	187238	17.81	ug/l	99
95) Naphthalene	15.14	128	321645	14.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	187075	15.33	ug/l	99

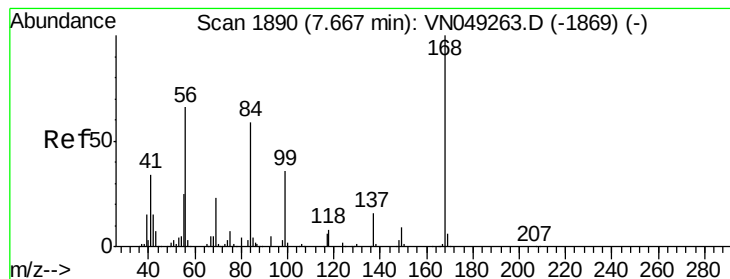
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049532.D
Acq On : 26 Jun 2018 1:20
Operator : MD\SY
Sample : VN0625WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN0625WBS02

Quant Time: Jun 26 02:04:22 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

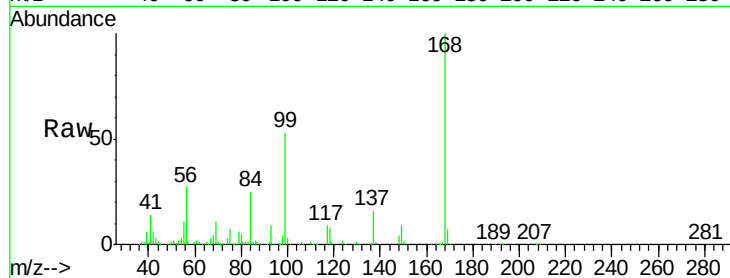
VN0625WBS02

Tot Ion:168 Resp: 1395492

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

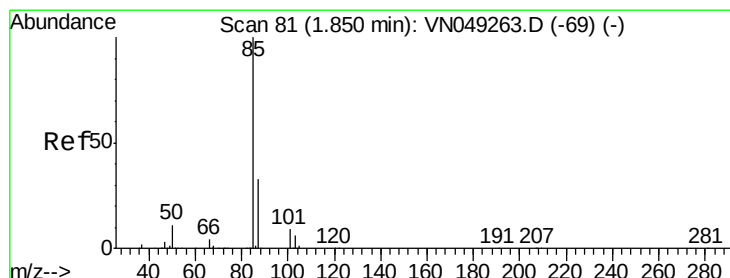
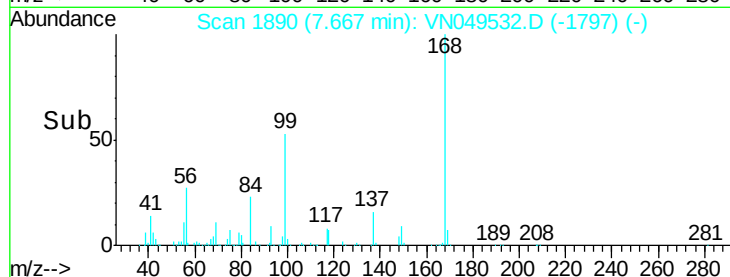
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.01 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049532.D

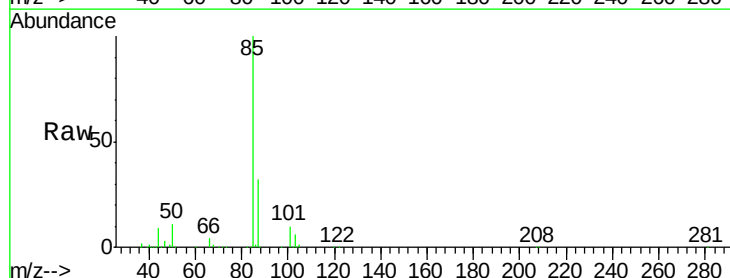
Acq: 26 Jun 2018 1:20

Tgt Ion: 85 Resp: 257226

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

150000

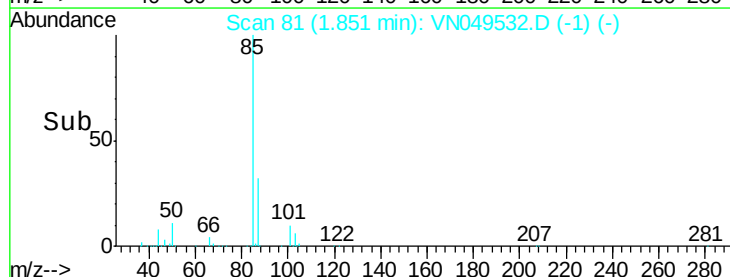
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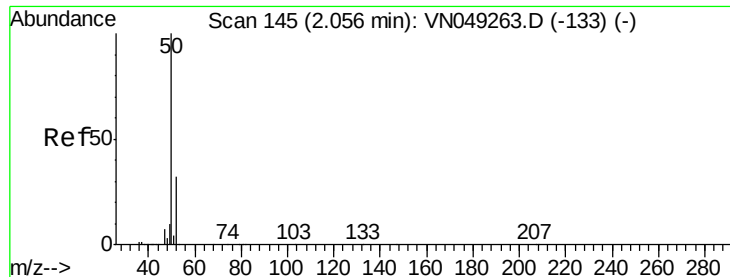
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

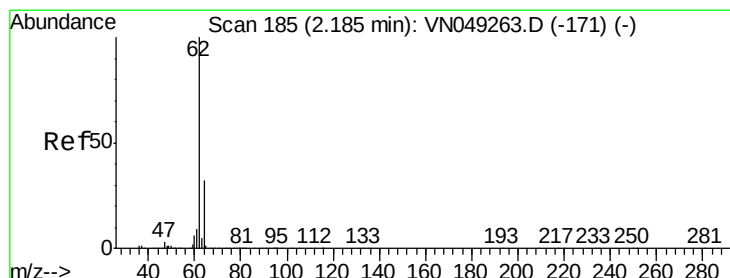
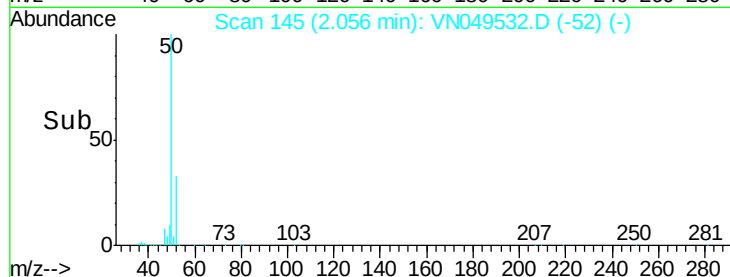
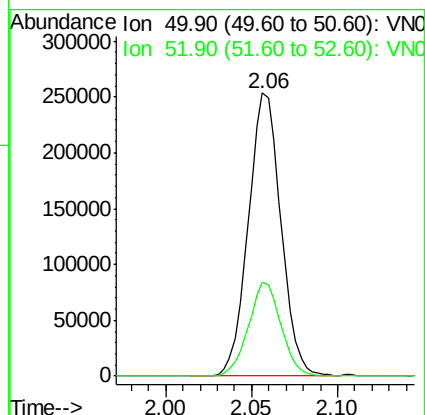
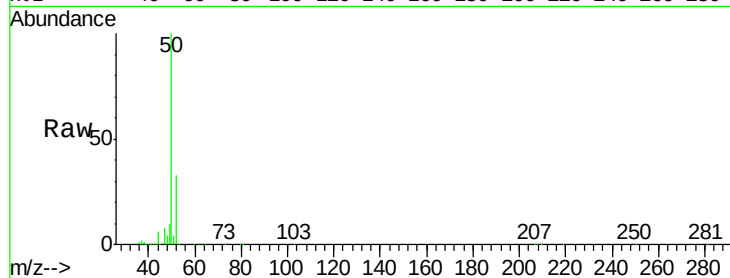
VN0625WBS02

Tot Ion: 50 Resp: 333937

Ion Ratio Lower Upper

50 100

52 33.1 25.2 37.8



#4

Vinyl Chloride

Concen: 16.97 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049532.D

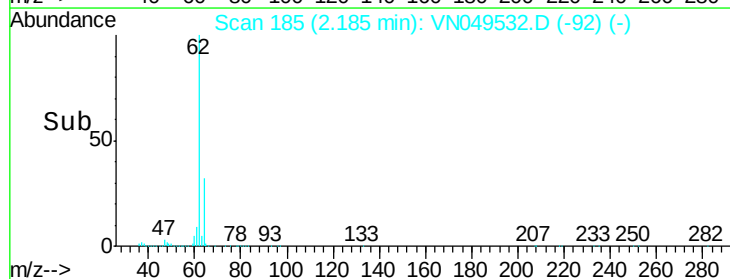
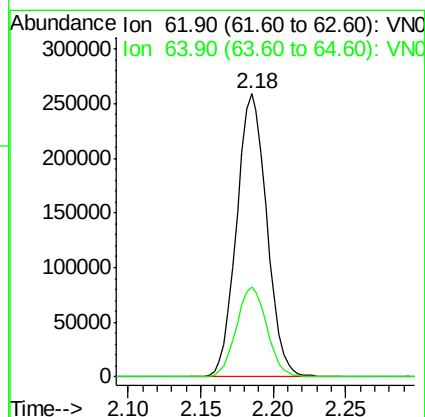
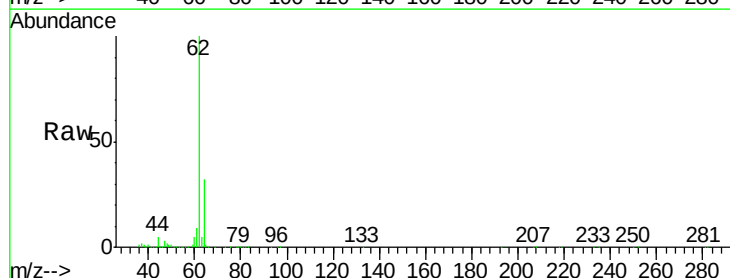
Acq: 26 Jun 2018 1:20

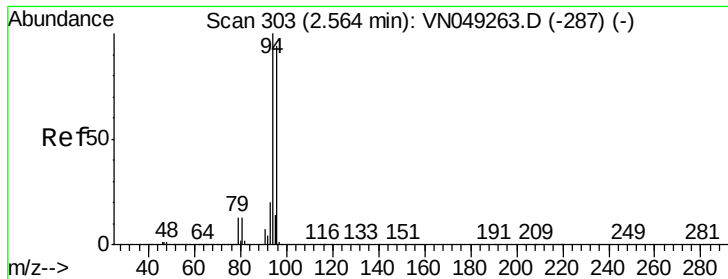
Tgt Ion: 62 Resp: 374035

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 18.41 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

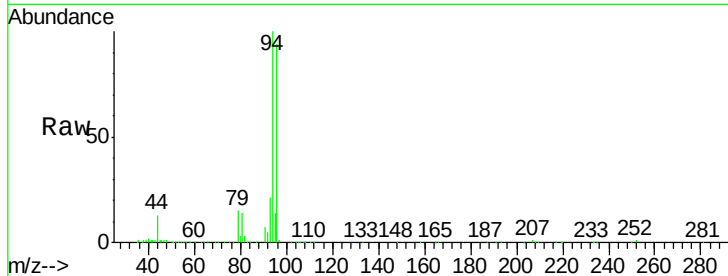
VN0625WBS02

Tot Ion: 94 Resp: 213324

Ion Ratio Lower Upper

94 100

96 93.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

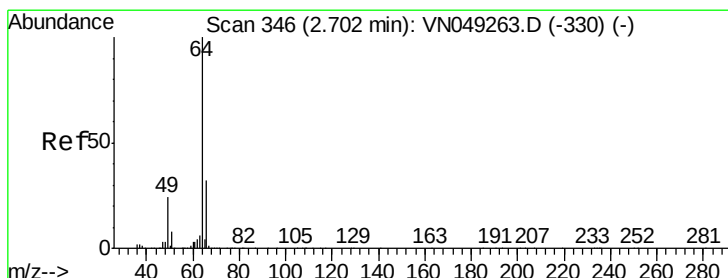
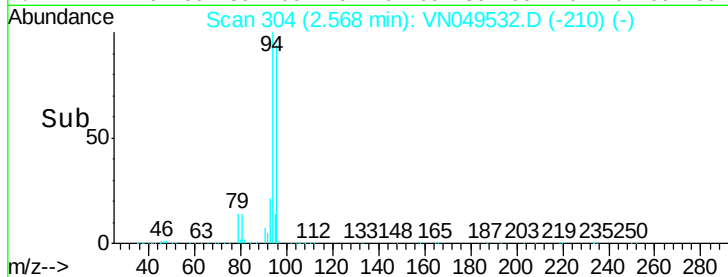
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.03 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049532.D

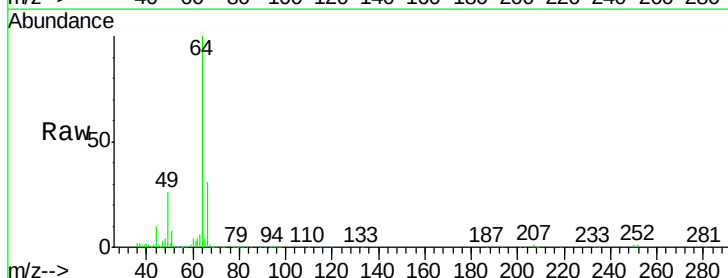
Acq: 26 Jun 2018 1:20

Tgt Ion: 64 Resp: 237030

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

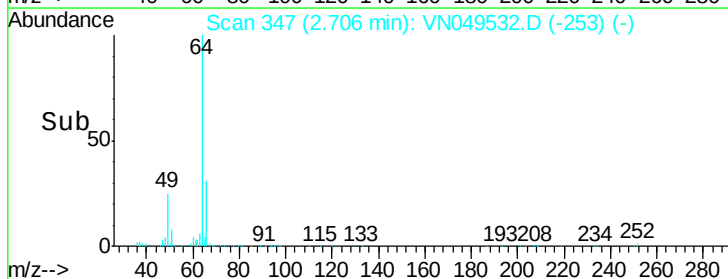
2.71

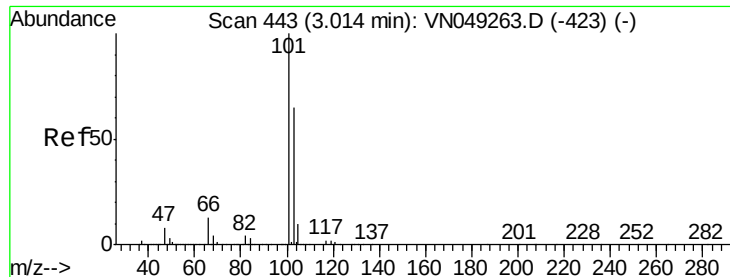
100000

50000

0

Time--> 2.60 2.70 2.80



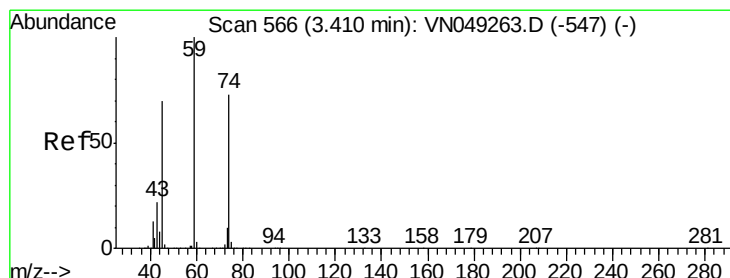
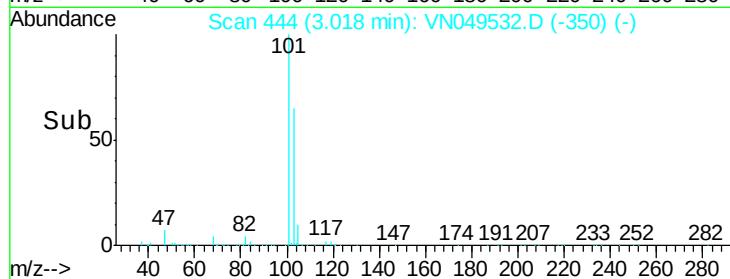
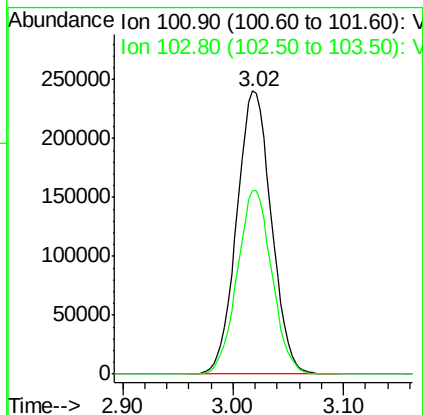
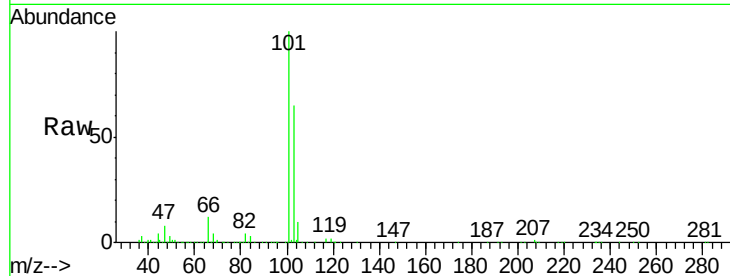


#7

Trichlorofluoromethane
Concen: 19.01 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

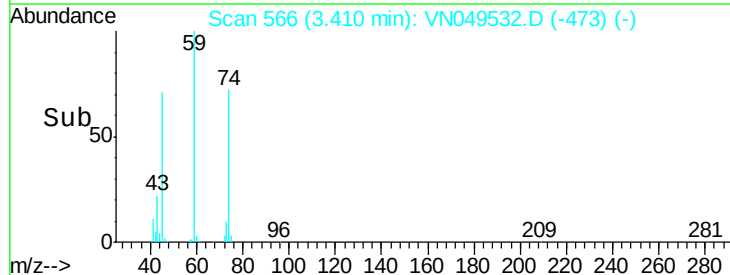
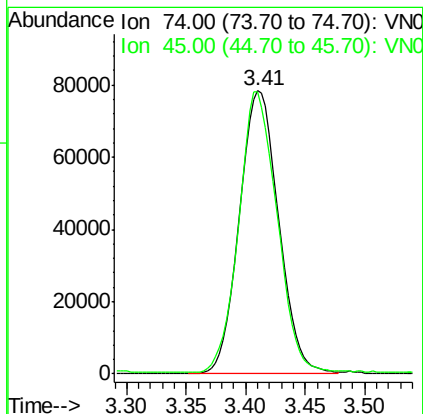
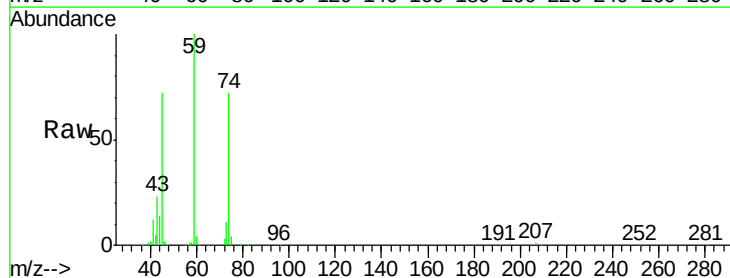
Tot Ion:101 Resp: 522883
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

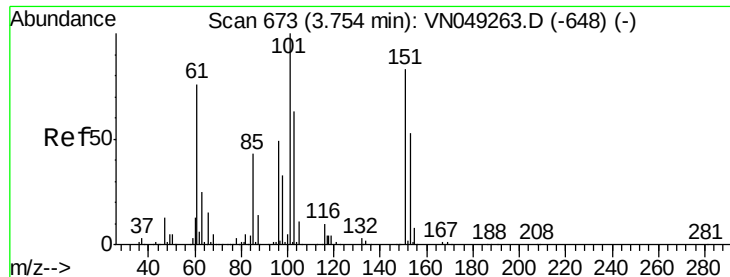


#8

Diethyl Ether
Concen: 18.74 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 74 Resp: 179899
Ion Ratio Lower Upper
74 100
45 96.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.19 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS02

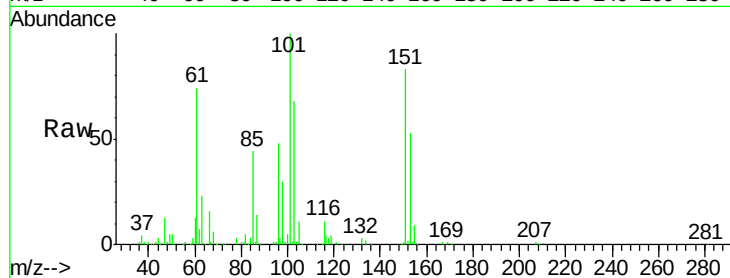
Tot Ion:101 Resp: 317327

Ion Ratio Lower Upper

101 100

85 42.0 37.6 56.4

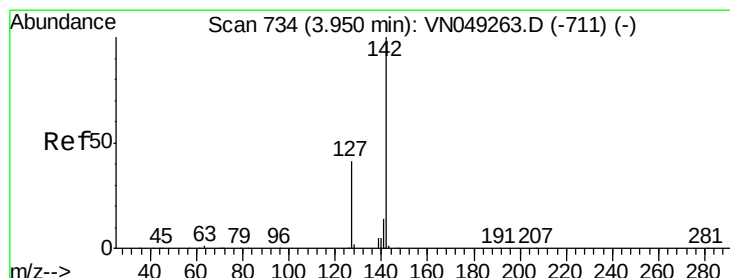
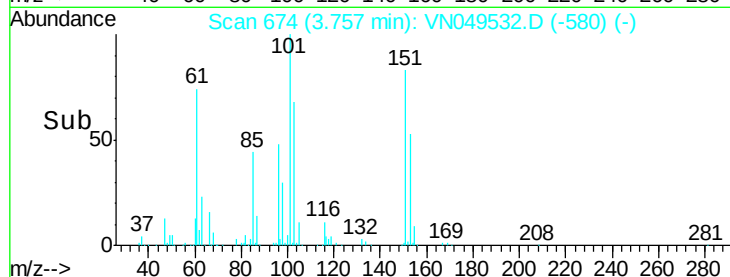
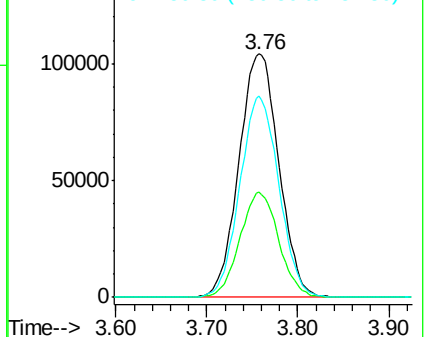
151 81.0 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.79 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

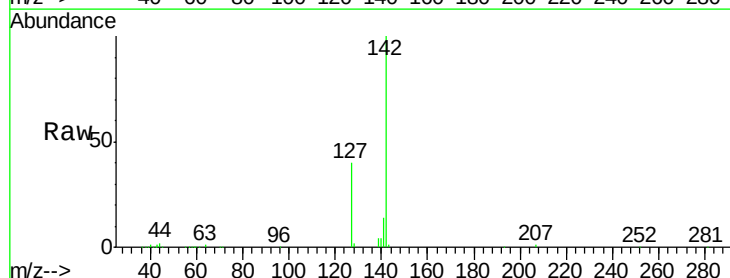
Tgt Ion:142 Resp: 359383

Ion Ratio Lower Upper

142 100

127 40.2 38.2 57.4

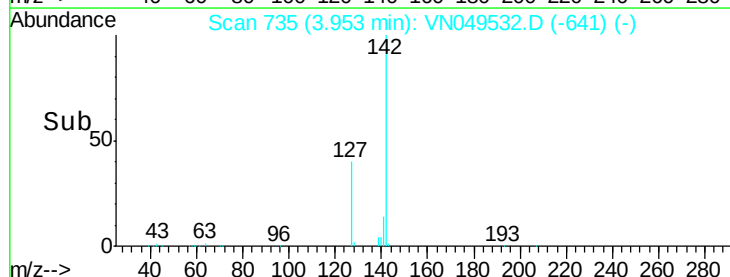
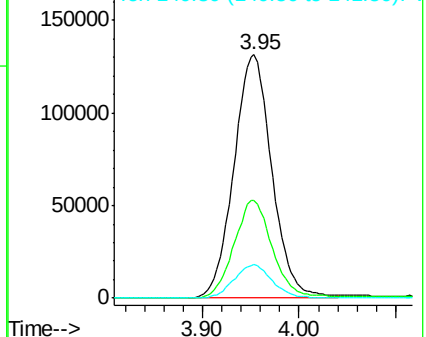
141 13.8 11.9 17.9

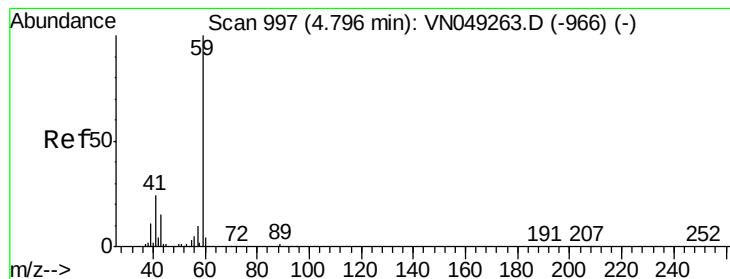


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



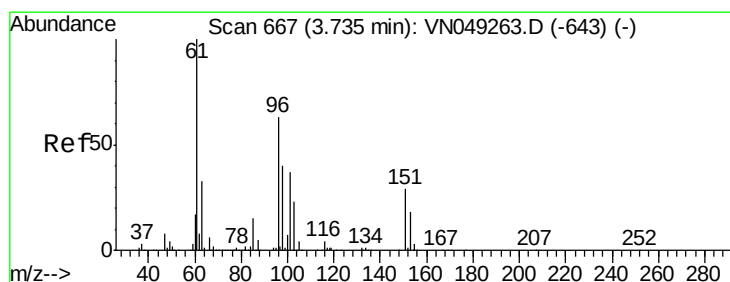
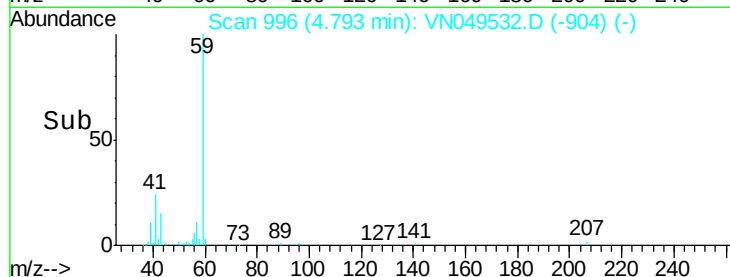
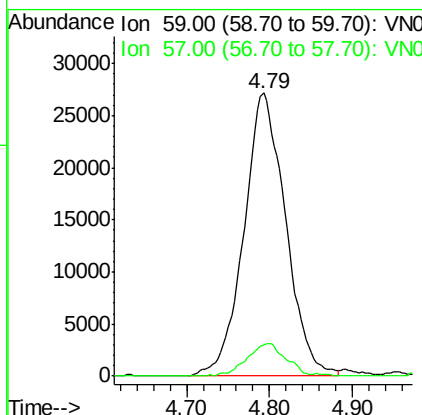
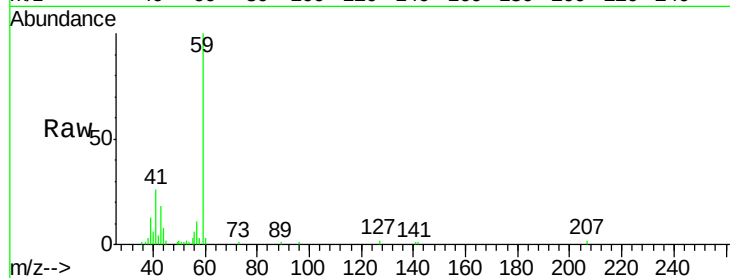


#11

Tert butyl alcohol
 Concen: 87.63 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

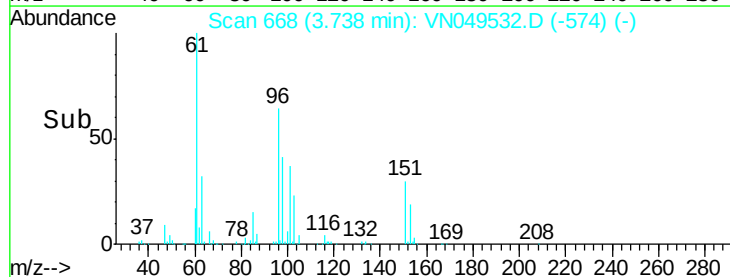
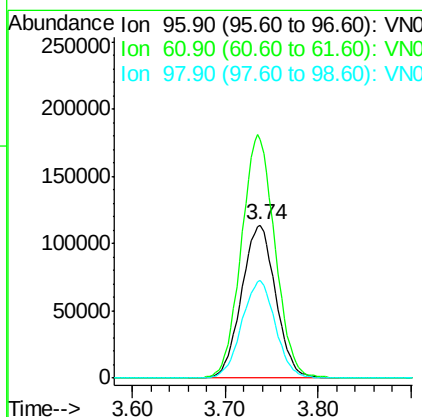
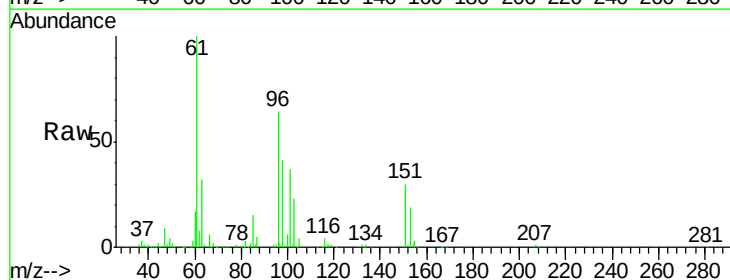
Tot Ion: 59 Resp: 95191
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

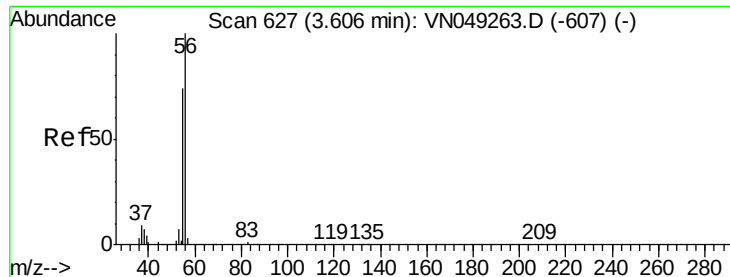


#12

1,1-Dichloroethene
 Concen: 18.12 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 96 Resp: 289887
 Ion Ratio Lower Upper
 96 100
 61 156.1 141.0 211.4
 98 63.7 50.4 75.6





#13

Acrolein

Concen: 115.47 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

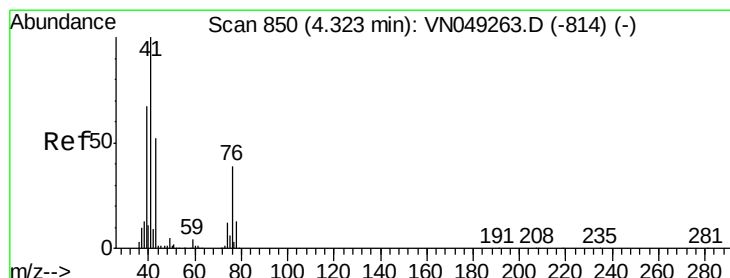
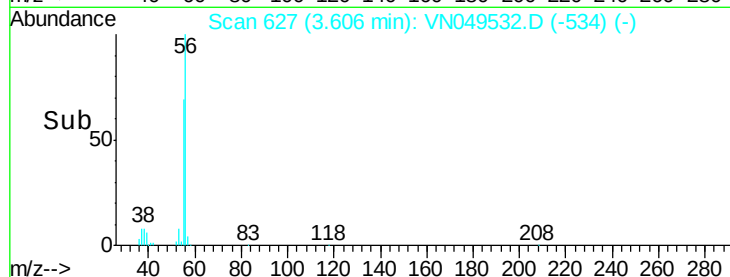
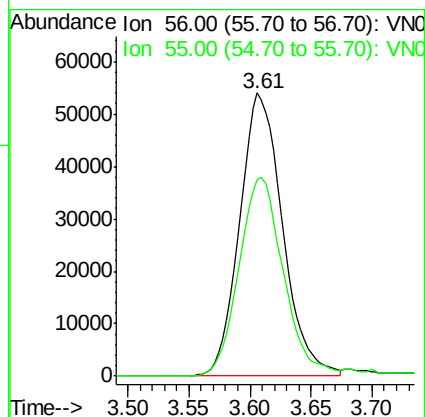
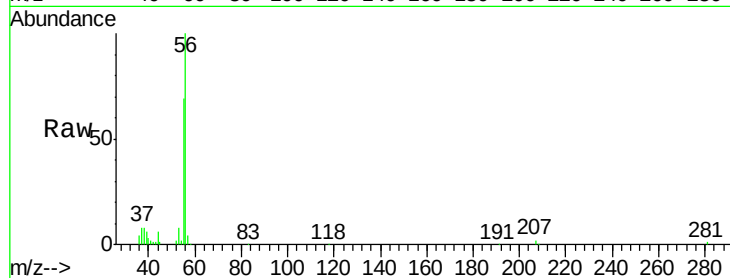
VN0625WBS02

Tot Ion: 56 Resp: 131548

Ion Ratio Lower Upper

56 100

55 72.0 57.1 85.7



#14

Allyl chloride

Concen: 18.17 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

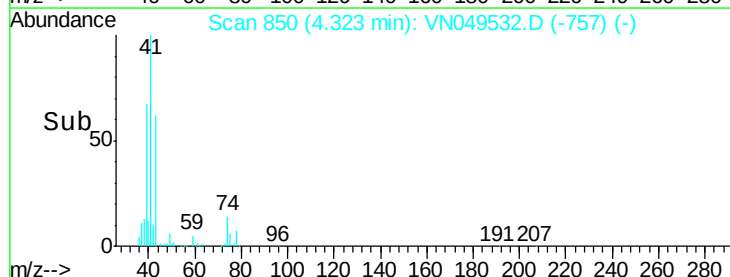
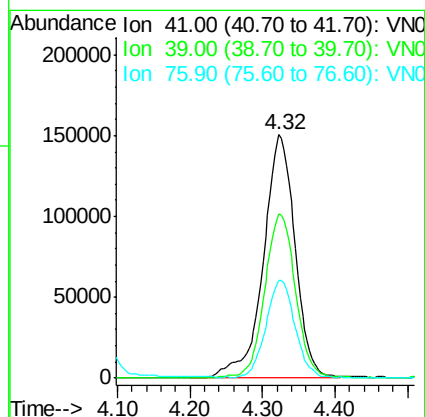
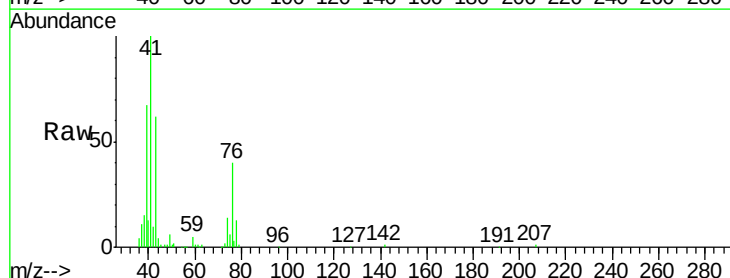
Tgt Ion: 41 Resp: 458931

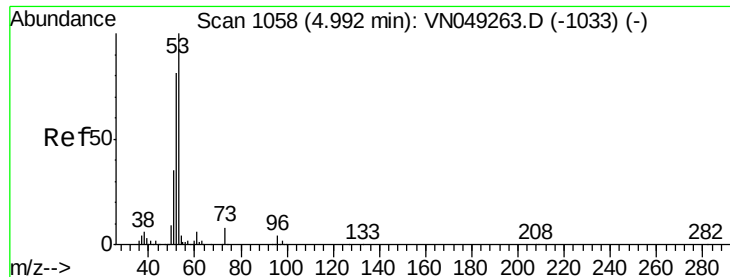
Ion Ratio Lower Upper

41 100

39 65.8 62.5 93.7

76 36.1 27.1 40.7

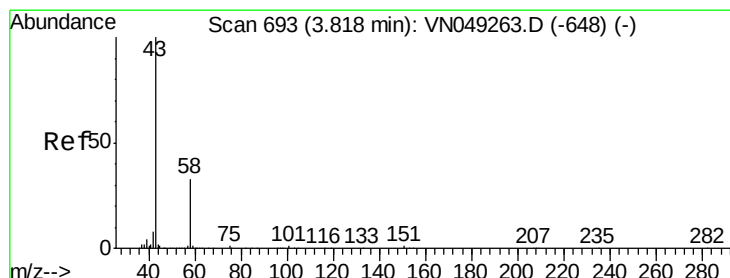
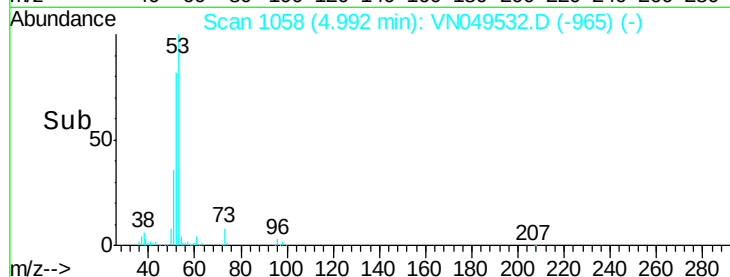
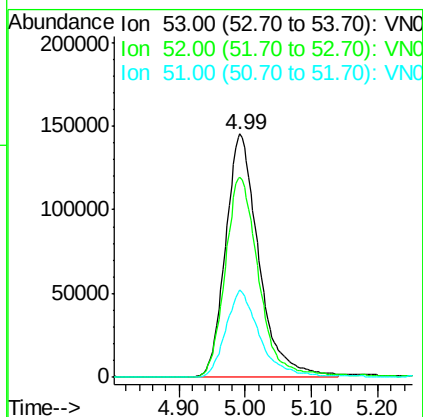
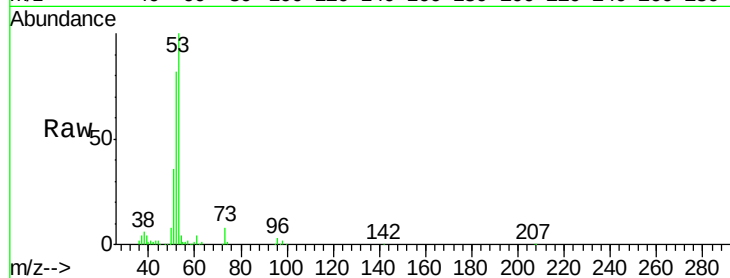




#15
 Acrylonitrile
 Concen: 93.21 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

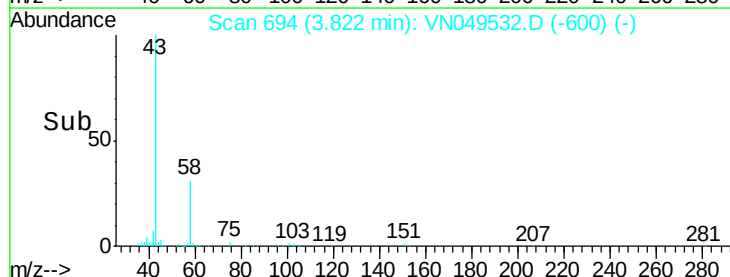
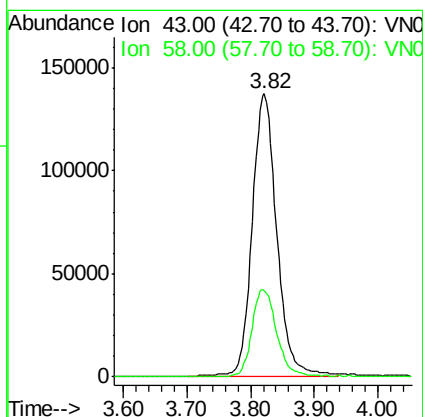
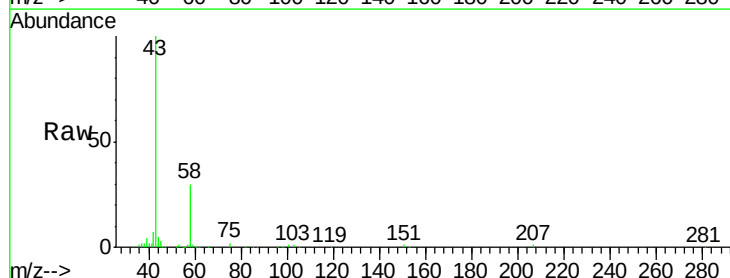
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

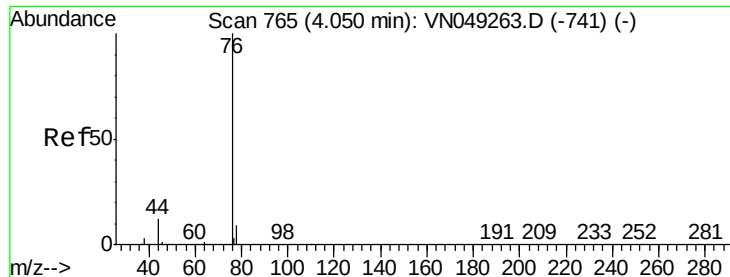
Tot Ion	53	Resp	506323
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.6	100.0
51	36.5	29.8	44.8



#16
 Acetone
 Concen: 82.27 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	43	Resp	369731
Ion Ratio	Lower	Upper	
43	100		
58	30.5	22.4	33.6

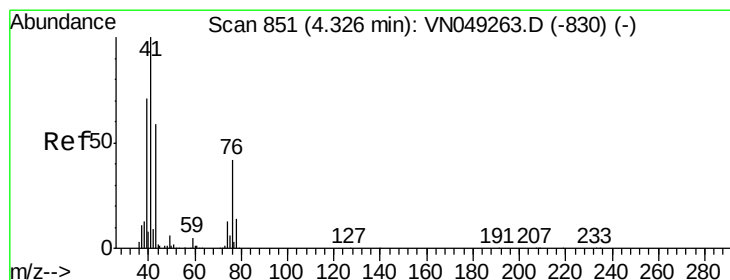
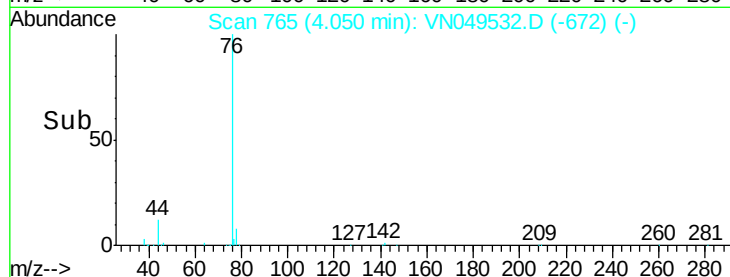
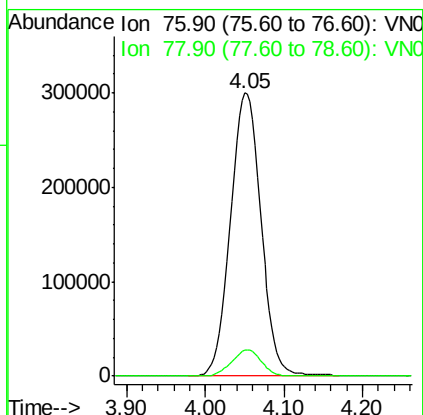
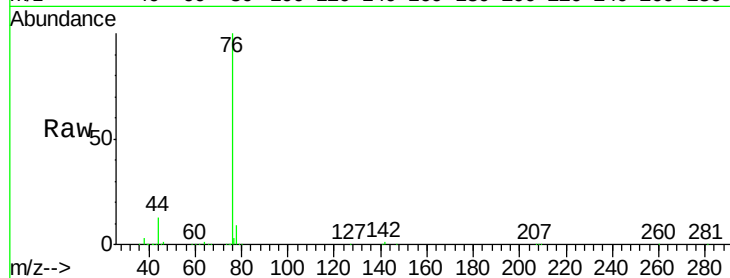




#17
Carbon Disulfide
Concen: 16.19 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

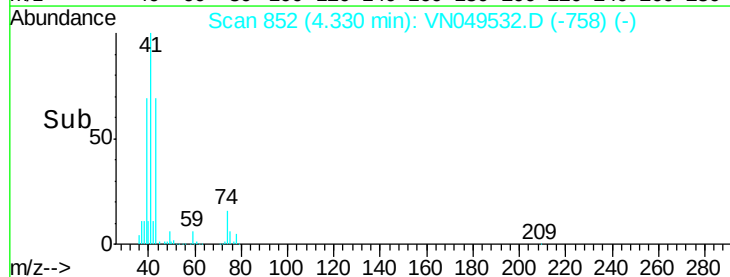
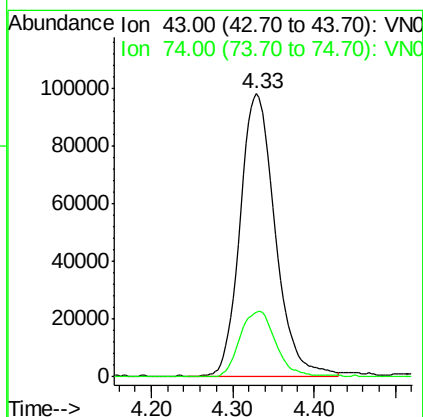
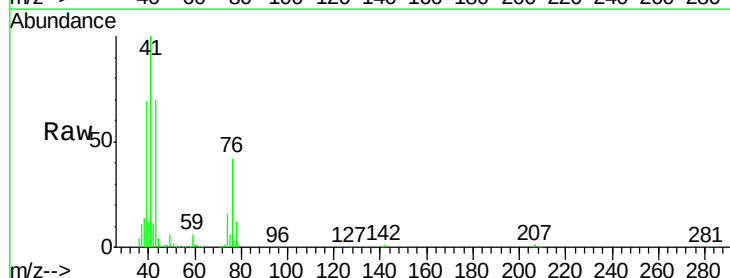
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

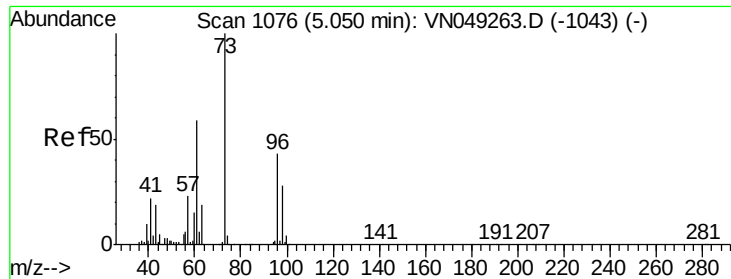
Tot Ion: 76 Resp: 811980
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 21.27 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 43 Resp: 291449
Ion Ratio Lower Upper
43 100
74 23.9 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 19.17 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

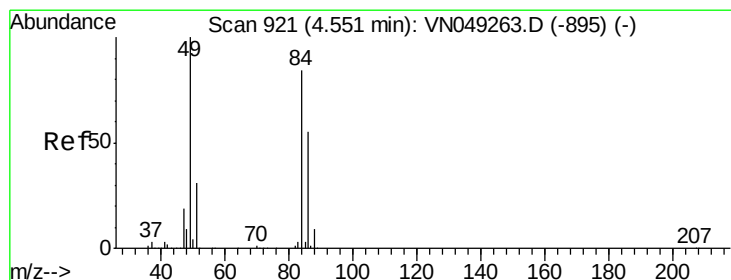
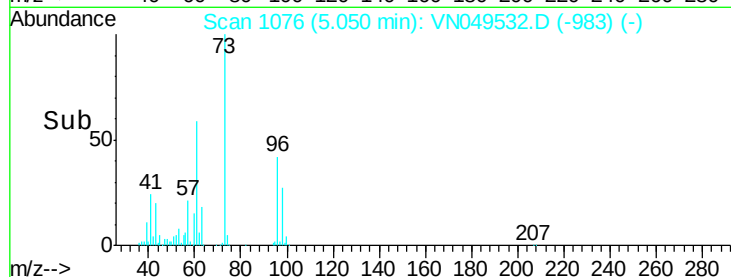
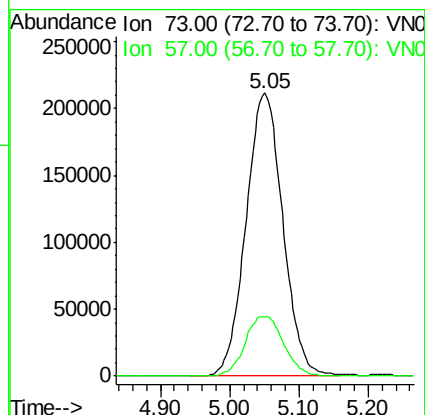
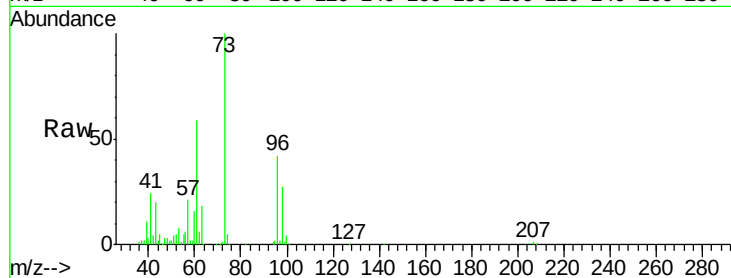
VN0625WBS02

Tot Ion: 73 Resp: 782020

Ion Ratio Lower Upper

73 100

57 20.8 18.2 27.4



#20

Methylene Chloride

Concen: 18.64 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion: 84 Resp: 349796

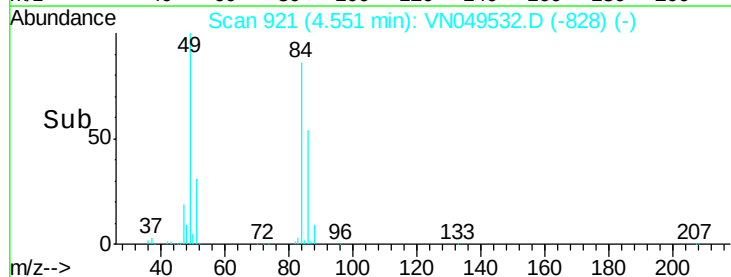
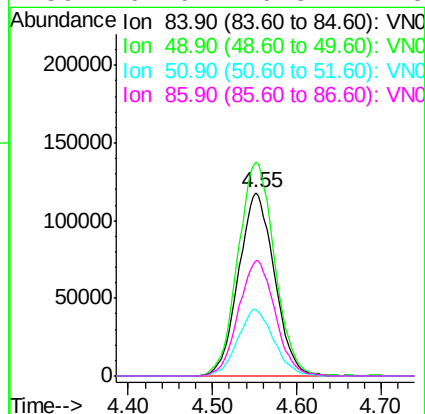
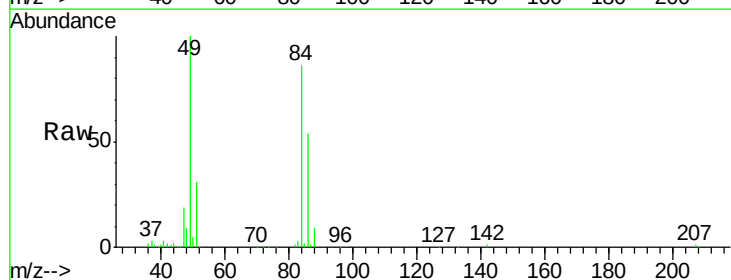
Ion Ratio Lower Upper

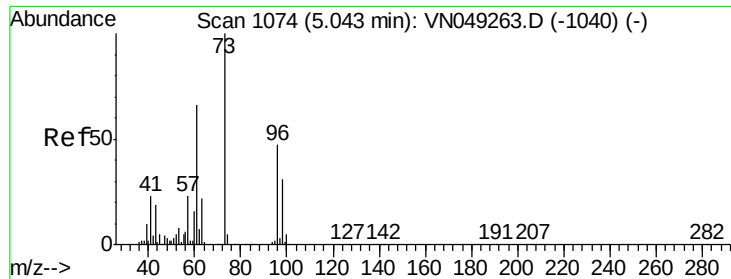
84 100

49 116.7 106.9 160.3

51 36.3 32.7 49.1

86 62.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.04 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

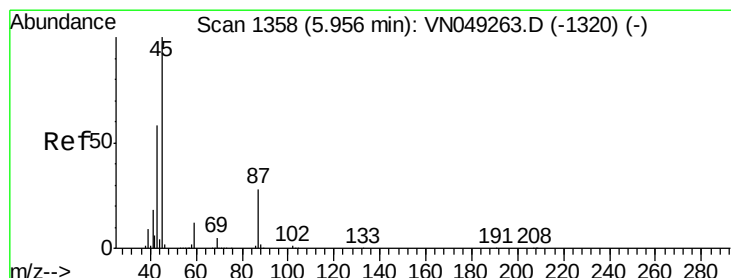
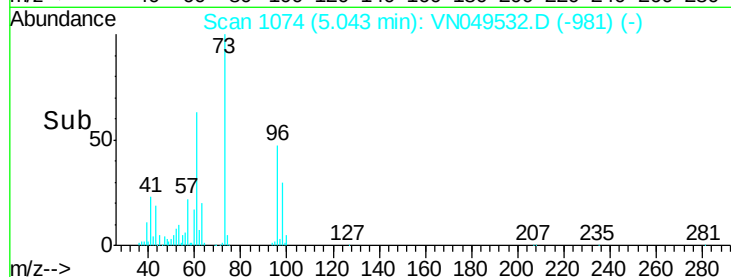
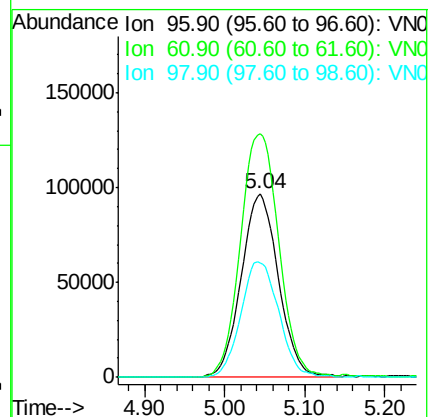
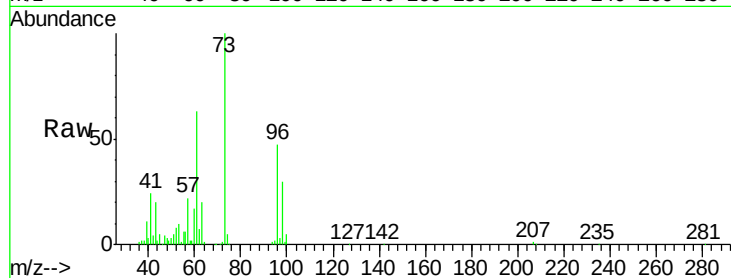
Tot Ion: 96 Resp: 305596

Ion Ratio Lower Upper

96 100

61 132.7 121.3 181.9

98 62.6 52.0 78.0



#22

Diisopropyl ether

Concen: 19.81 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion: 45 Resp: 999475

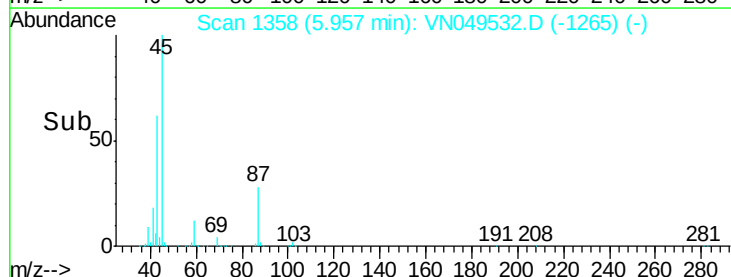
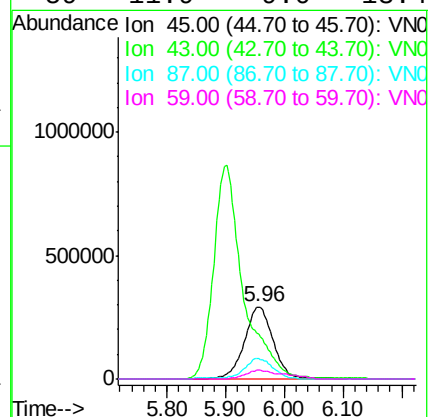
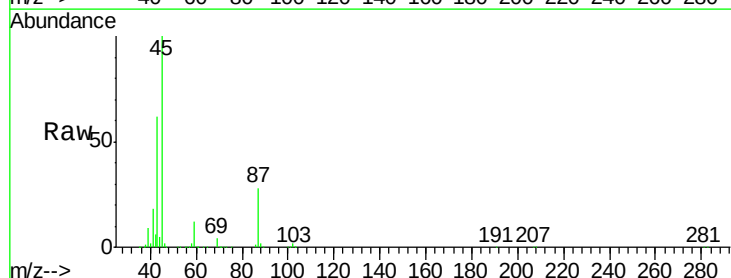
Ion Ratio Lower Upper

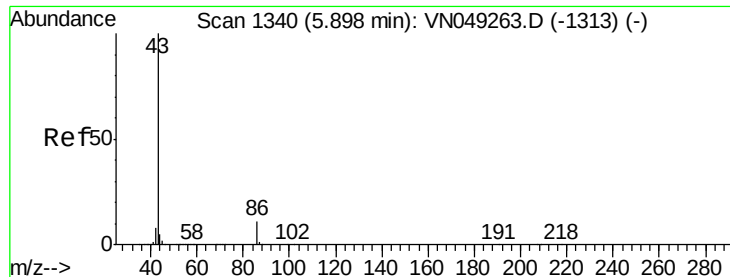
45 100

43 60.6 48.6 72.8

87 27.8 20.2 30.2

59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 92.19 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

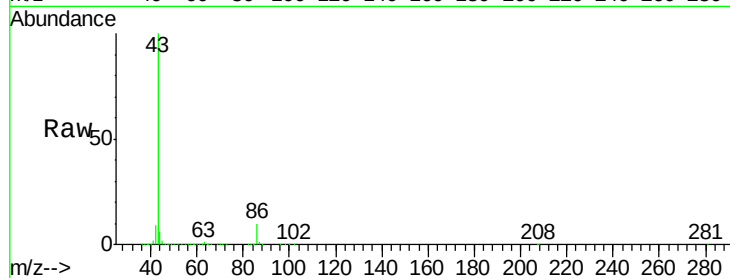
VN0625WBS02

Tot Ion: 43 Resp: 3032042

Ion Ratio Lower Upper

43 100

86 10.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

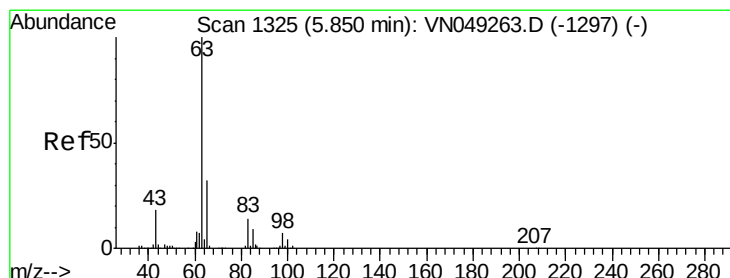
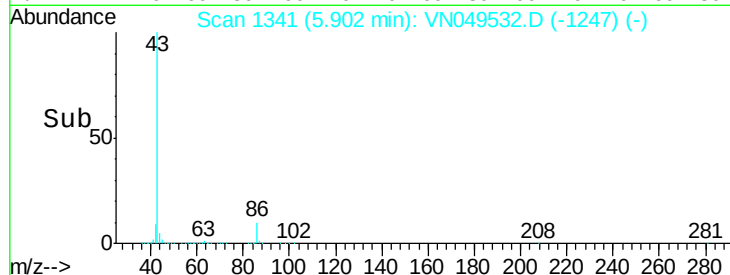
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.86 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

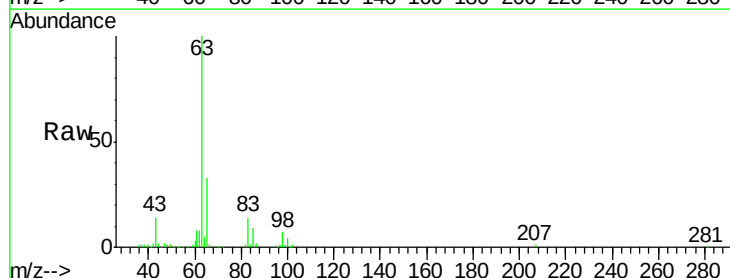
Tgt Ion: 63 Resp: 608903

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

250000

200000

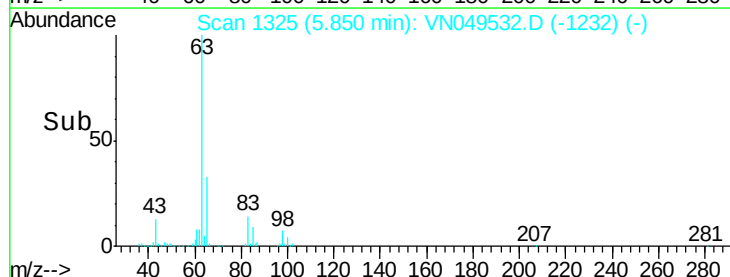
150000

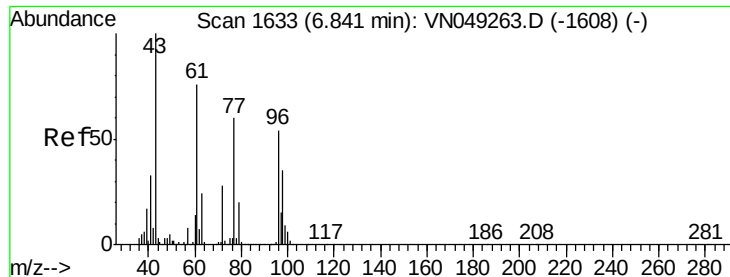
100000

50000

0

Time-->





#25

2-Butanone

Concen: 89.25 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

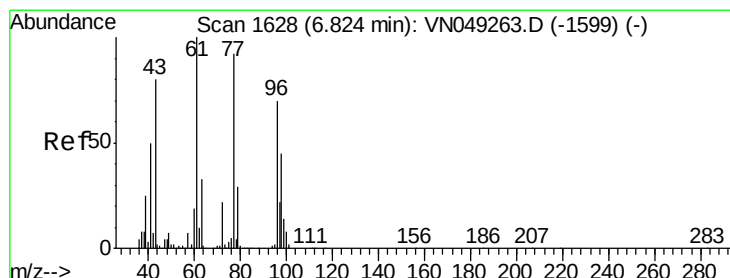
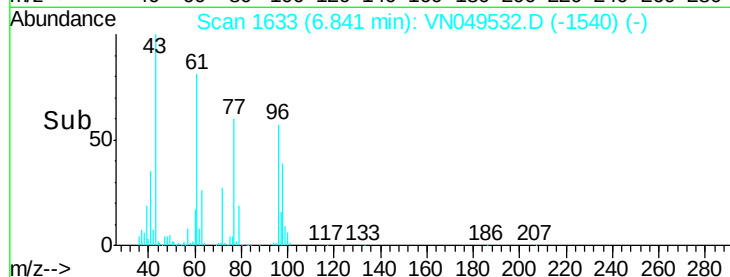
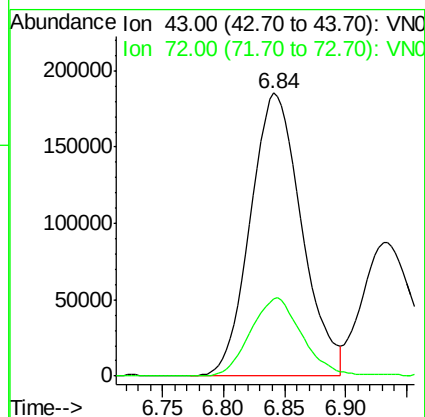
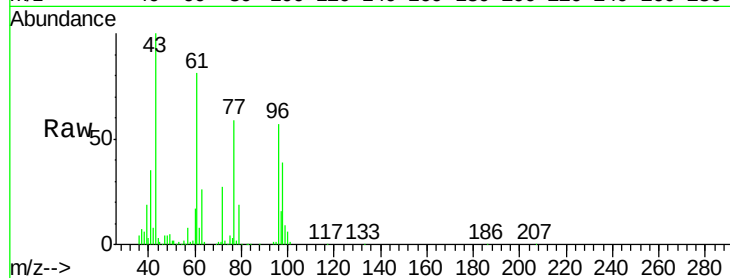
VN0625WBS02

Tot Ion: 43 Resp: 538596

Ion Ratio Lower Upper

43 100

72 27.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 16.53 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049532.D

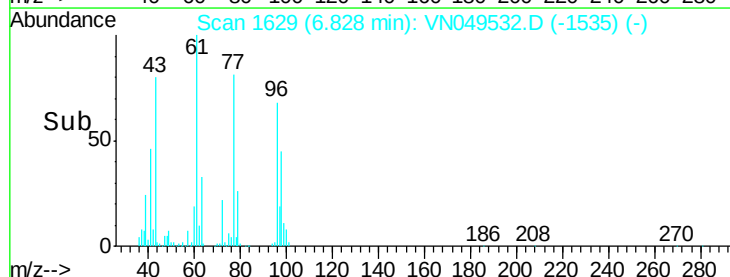
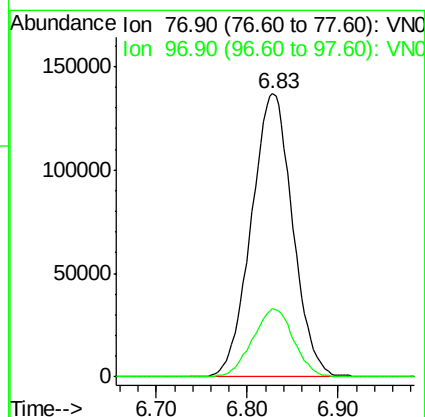
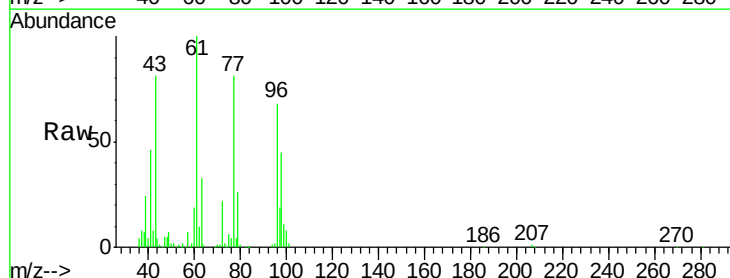
Acq: 26 Jun 2018 1:20

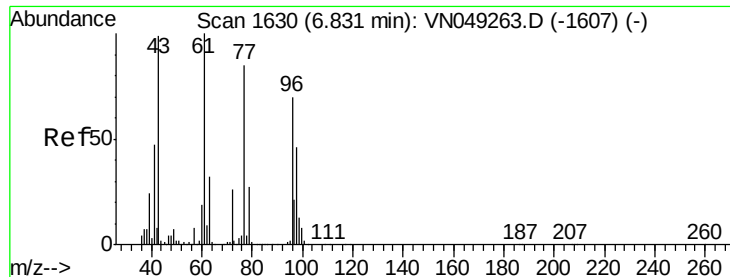
Tgt Ion: 77 Resp: 431098

Ion Ratio Lower Upper

77 100

97 24.0 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.67 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

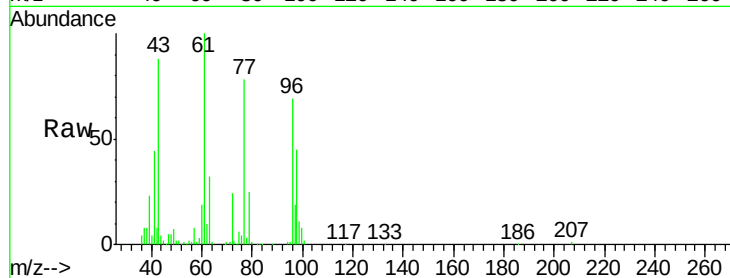
Tot Ion: 96 Resp: 351615

Ion Ratio Lower Upper

96 100

61 142.5 0.0 316.4

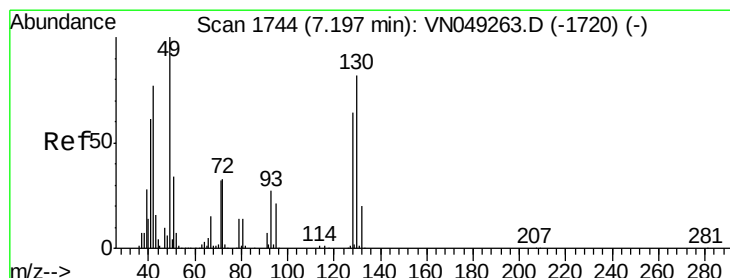
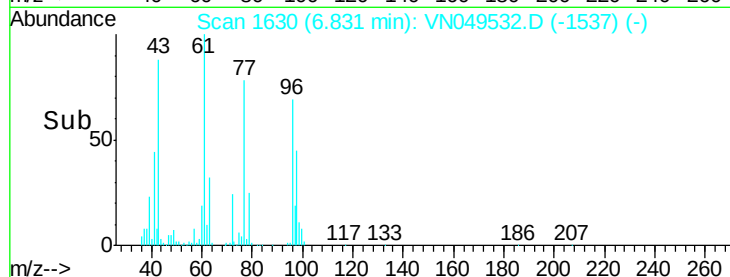
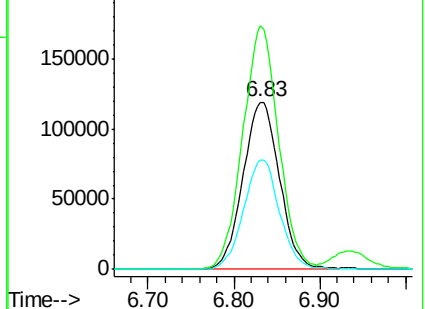
98 64.4 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.64 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

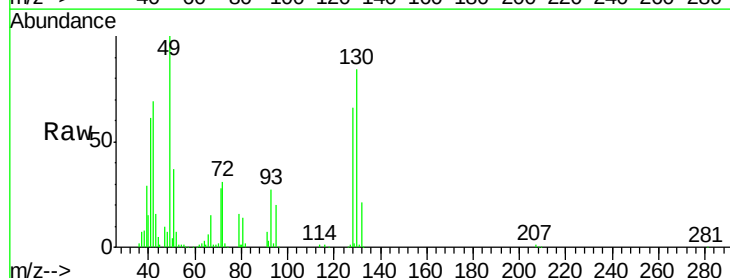
Tgt Ion: 49 Resp: 295450

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

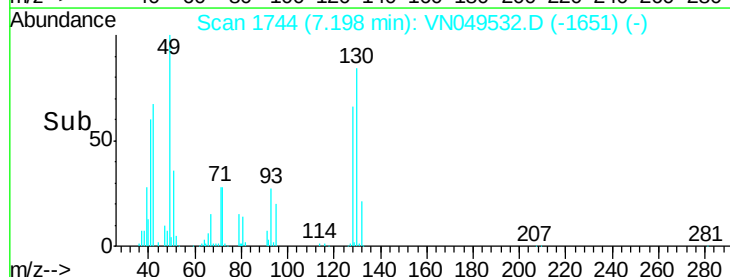
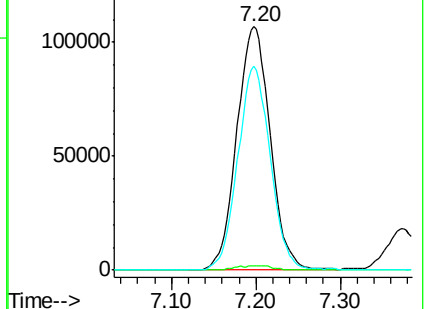
130 81.3 54.9 82.3

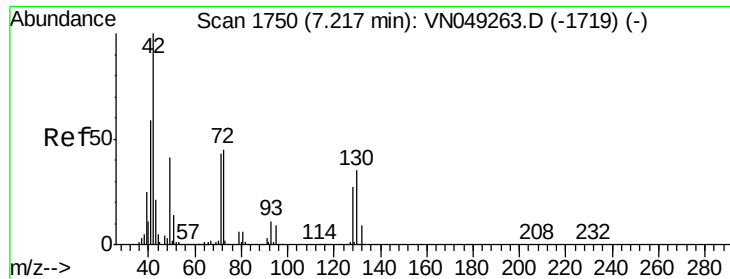


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 93.58 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

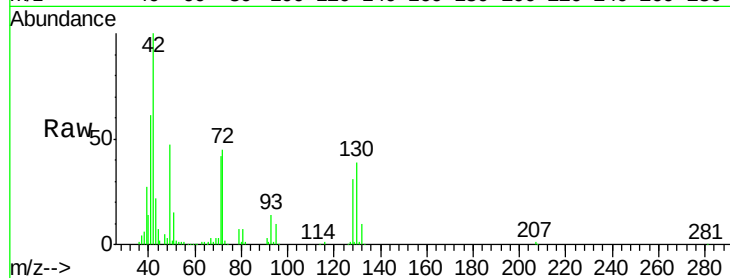
Tot Ion: 42 Resp: 363488

Ion Ratio Lower Upper

42 100

72 43.6 32.2 48.4

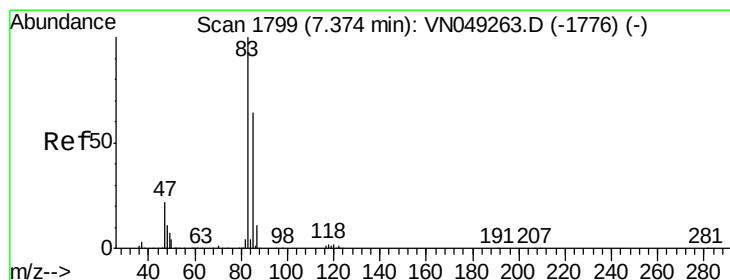
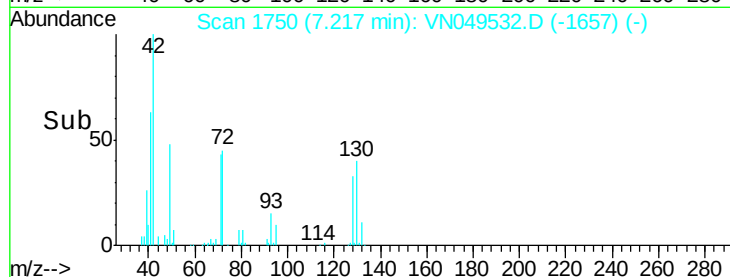
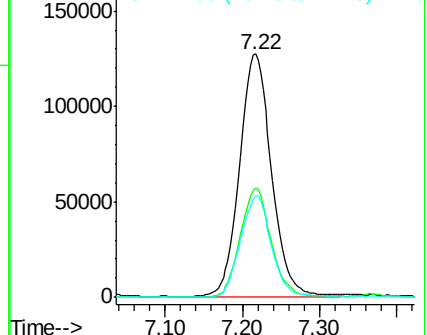
71 40.9 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.34 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049532.D

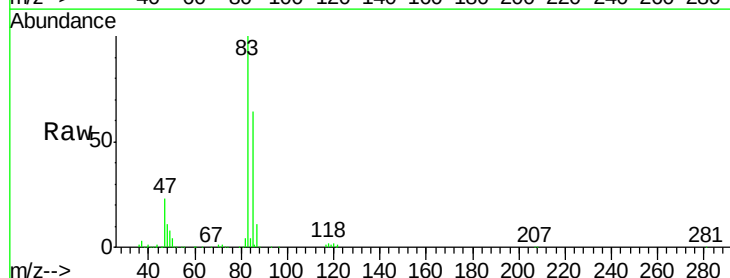
Acq: 26 Jun 2018 1:20

Tgt Ion: 83 Resp: 621435

Ion Ratio Lower Upper

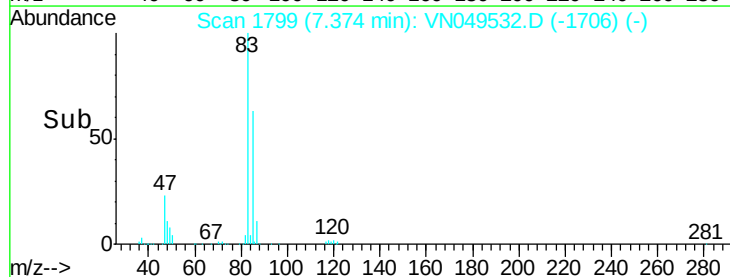
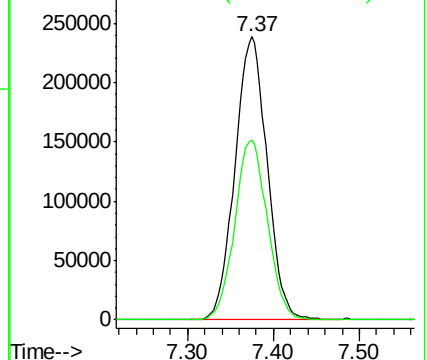
83 100

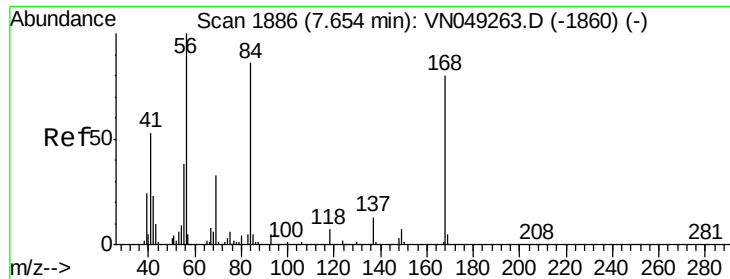
85 63.6 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

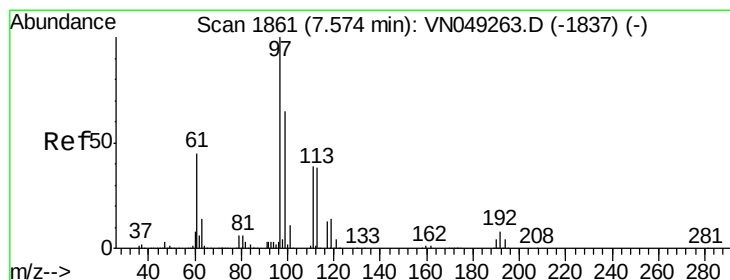
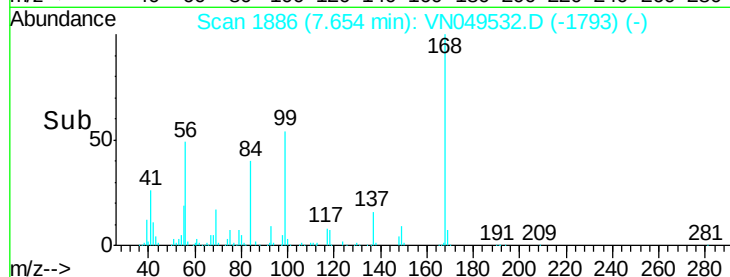
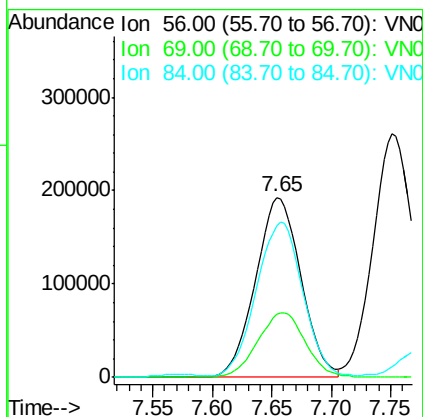
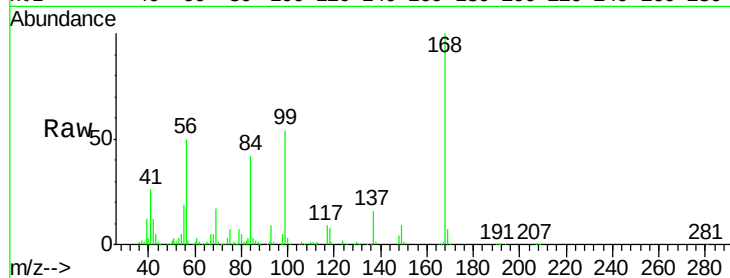




#31
Cyclohexane
Concen: 18.51 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

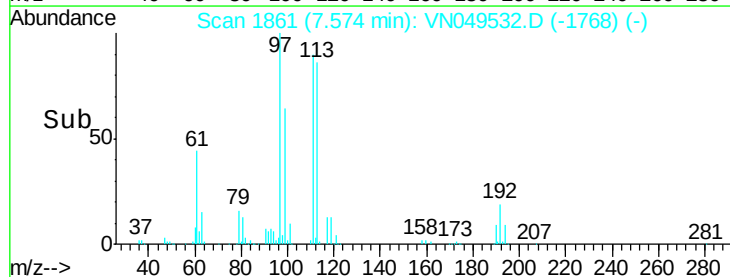
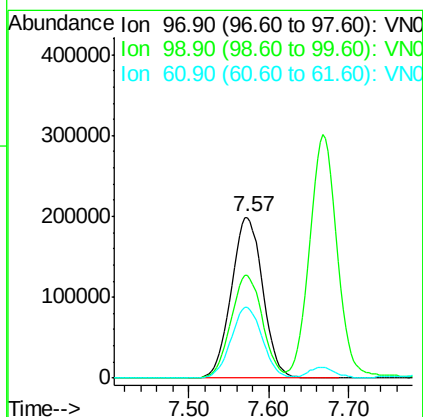
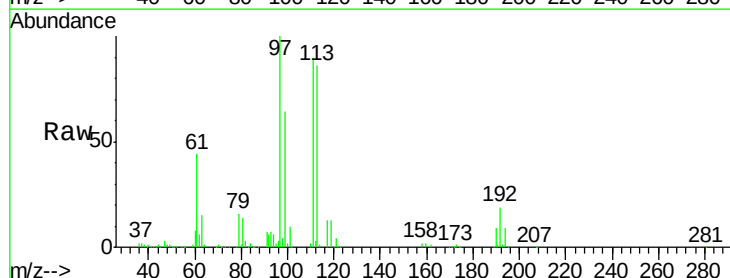
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

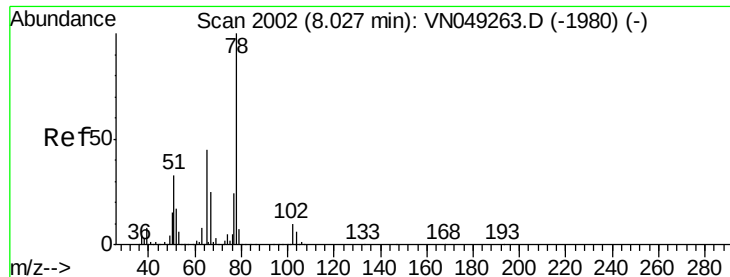
Tot Ion	56	Resp	509663
Ion Ratio	100	Lower	Upper
56	100		
69	35.0	25.0	37.4
84	82.3	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.36 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	97	Resp	530727
Ion Ratio	100	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	43.7	37.9	56.9

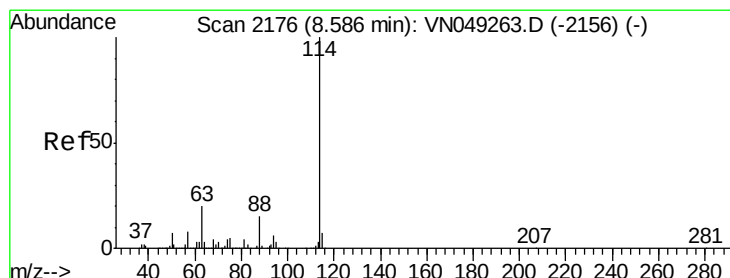
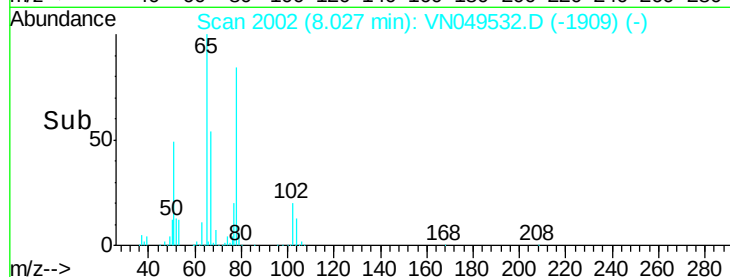
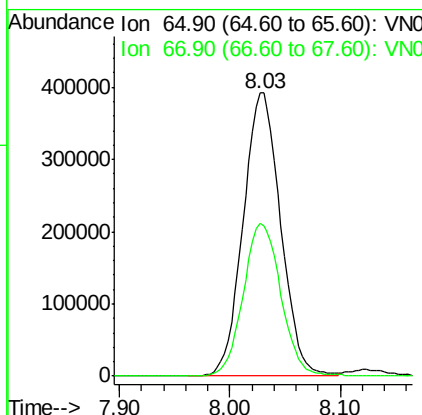
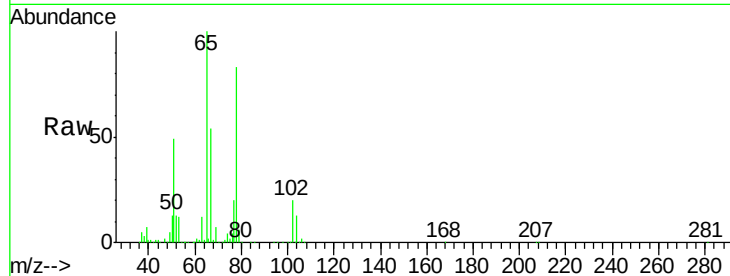




#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

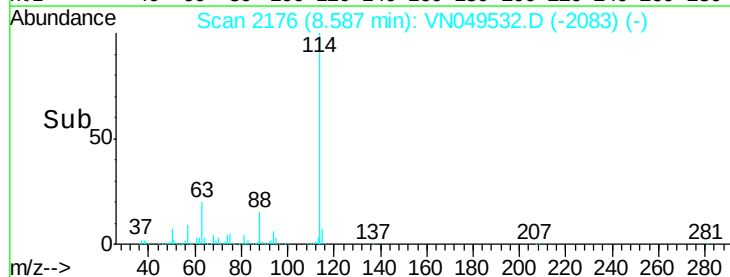
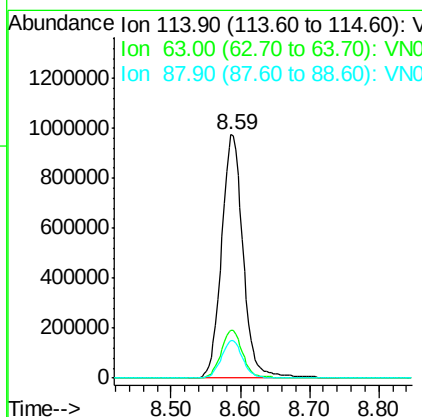
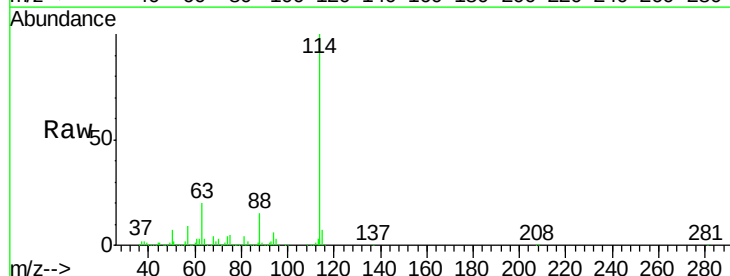
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

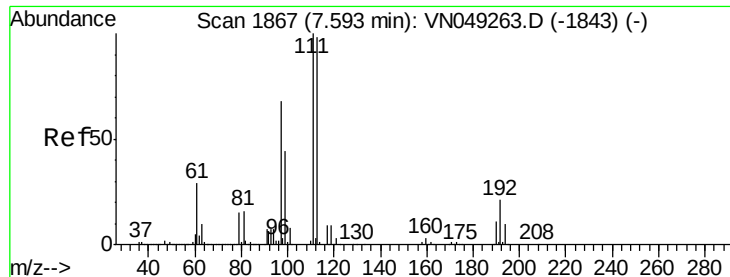
Tot Ion: 65 Resp: 921529
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 114 Resp: 2111317
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4

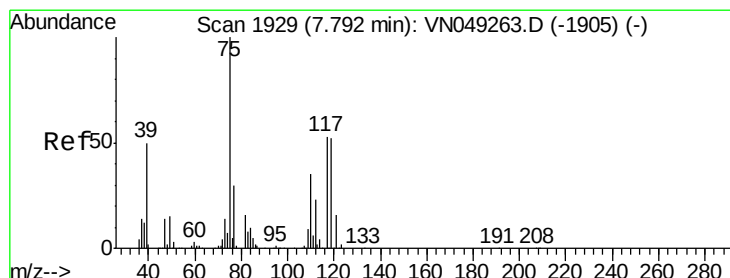
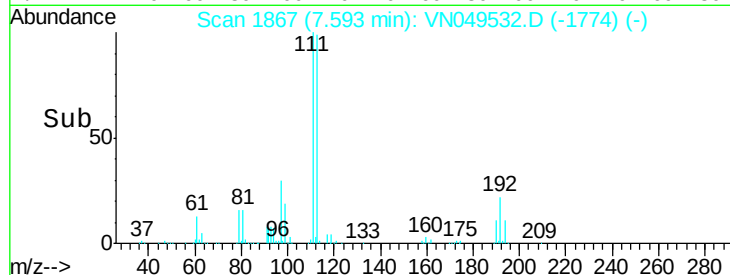
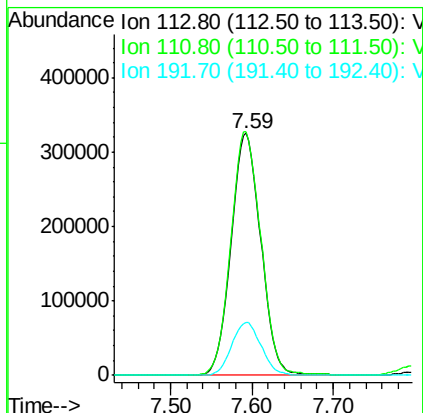
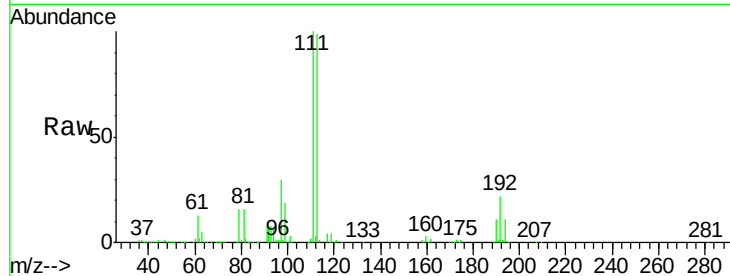




#35
 Dibromofluoromethane
 Concen: 48.35 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

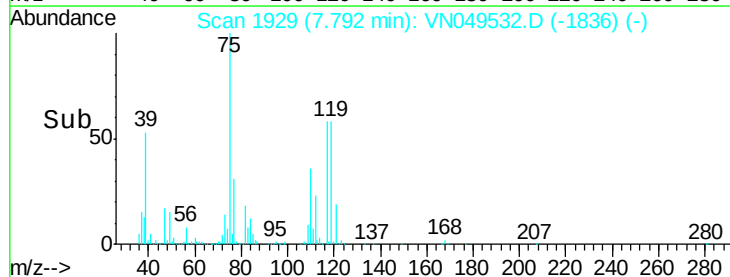
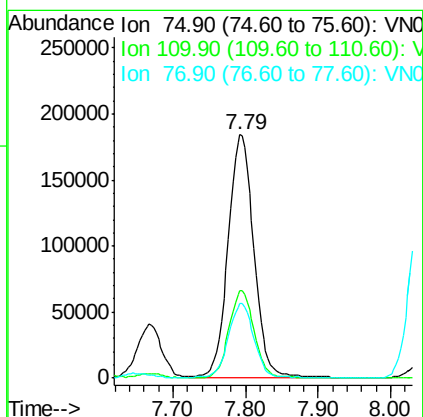
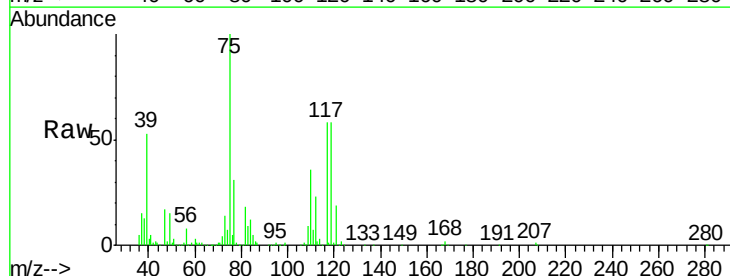
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

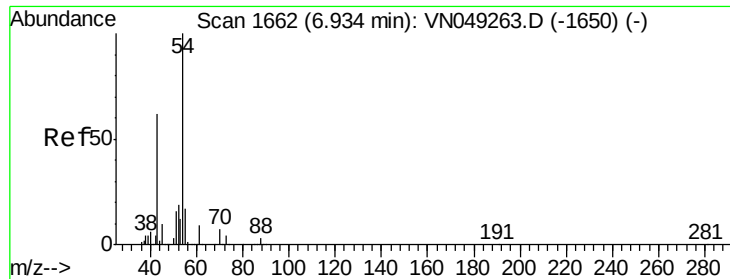
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	21.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 18.81 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.0	50.9
77	30.1	24.4	36.6

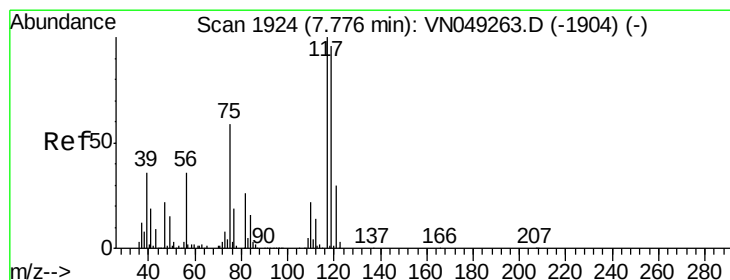
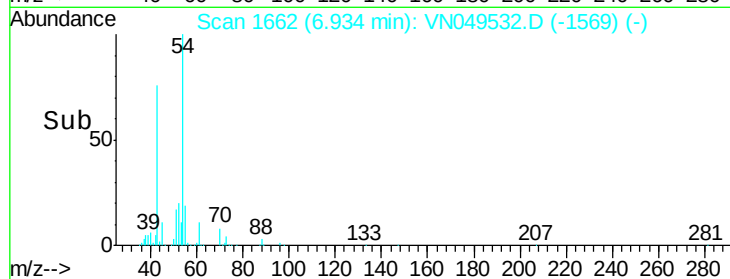
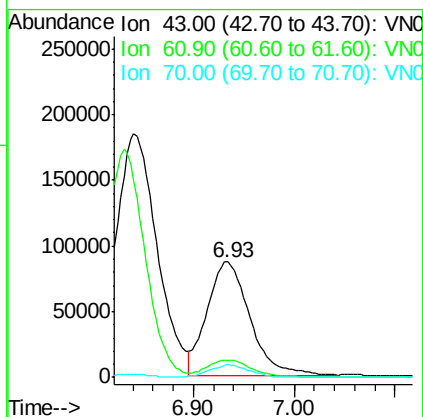
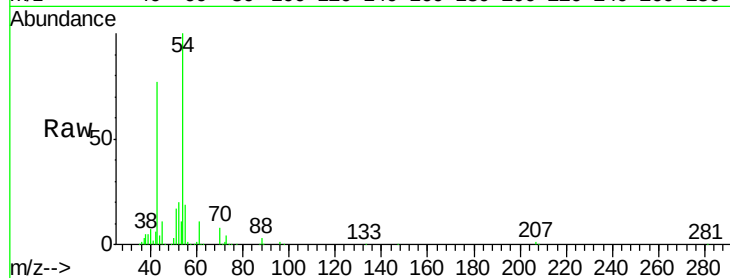




#37
Ethyl Acetate
Concen: 19.47 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

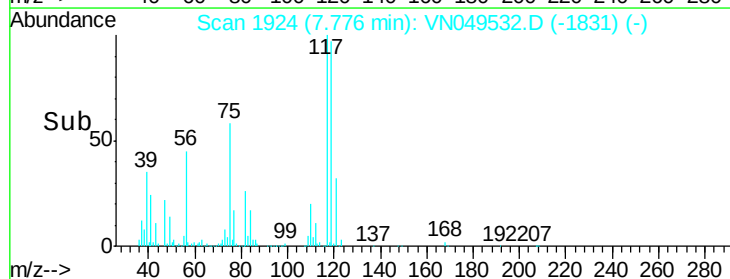
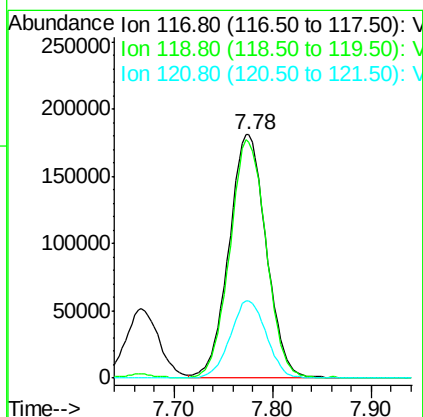
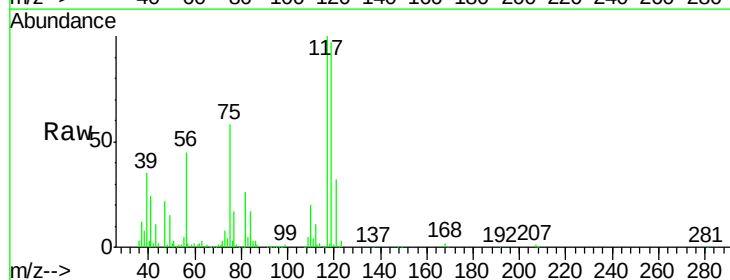
Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

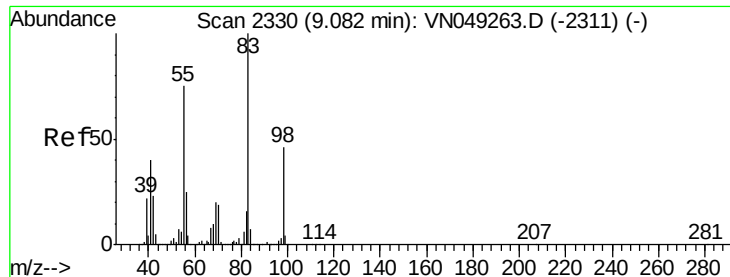
Tot Ion: 43 Resp: 256070
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.4
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 117 Resp: 472630
Ion Ratio Lower Upper
117 100
119 96.9 75.6 113.4
121 31.9 24.7 37.1

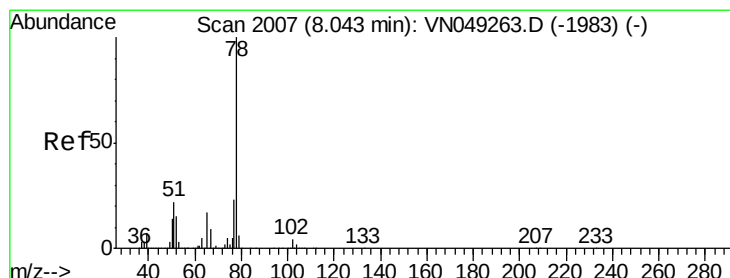
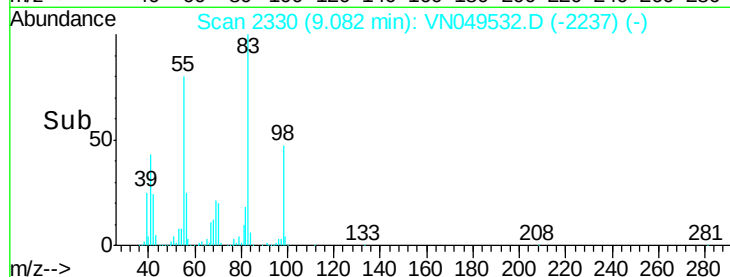
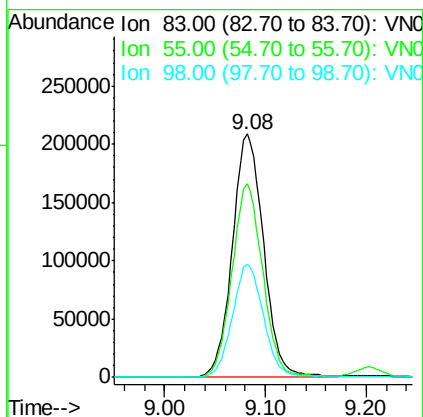
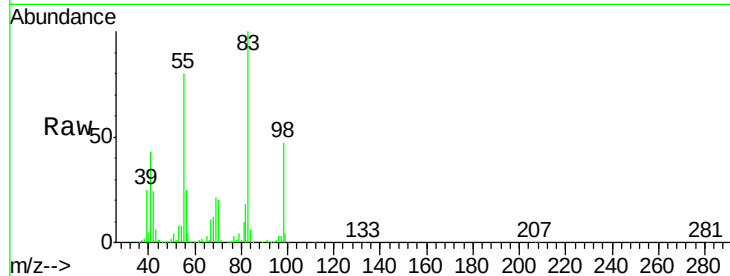




#39
Methylvlcyclohexane
Concen: 17.28 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

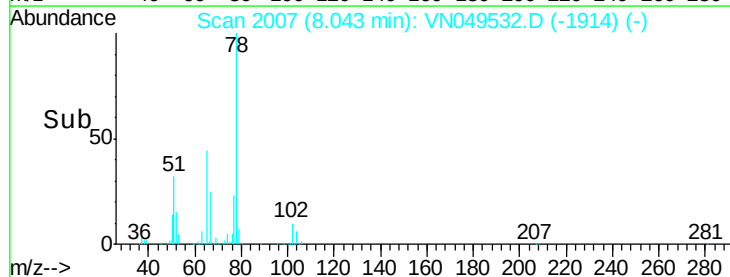
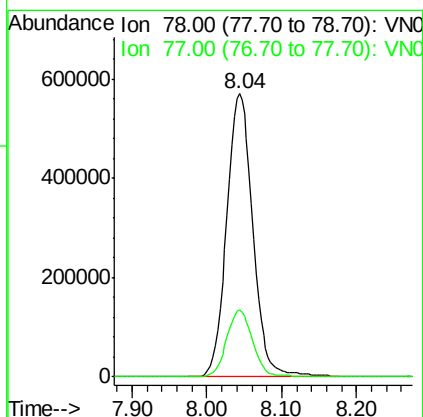
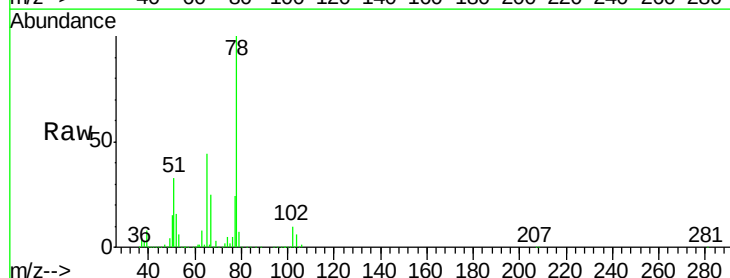
Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

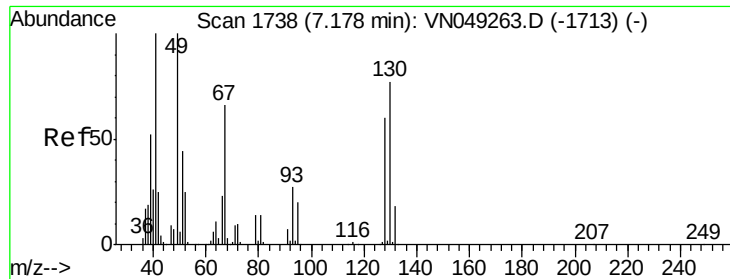
Tot Ion: 83 Resp: 448844
Ion Ratio Lower Upper
83 100
55 79.7 65.1 97.7
98 46.5 36.5 54.7



#40
Benzene
Concen: 18.69 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 78 Resp: 1386752
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

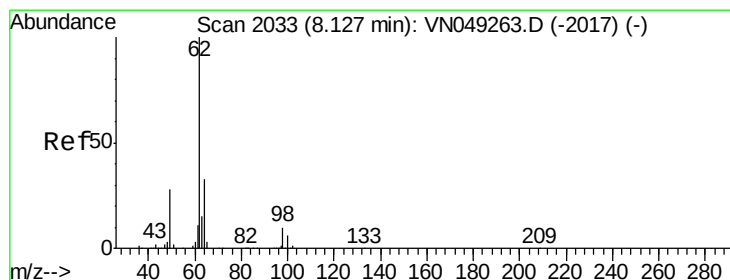
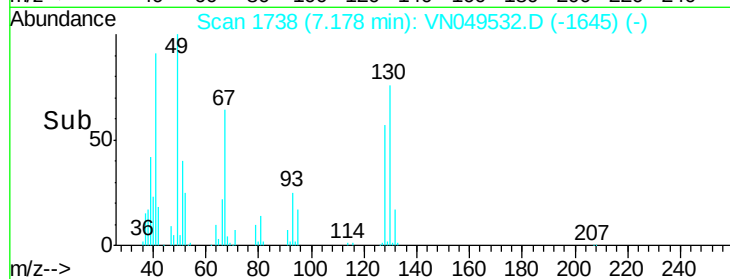
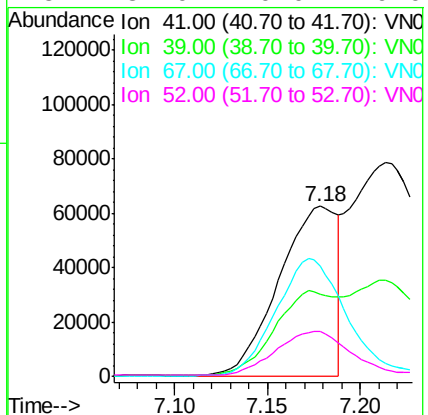
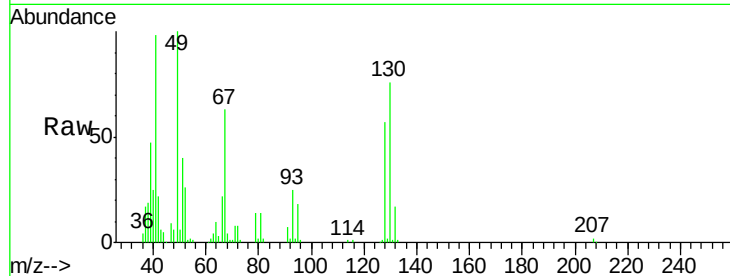




#41
Methacrylonitrile
Concen: 19.18 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

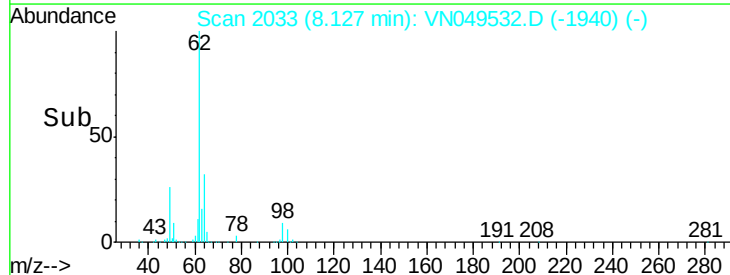
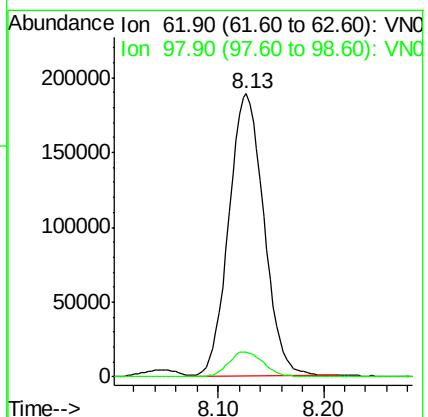
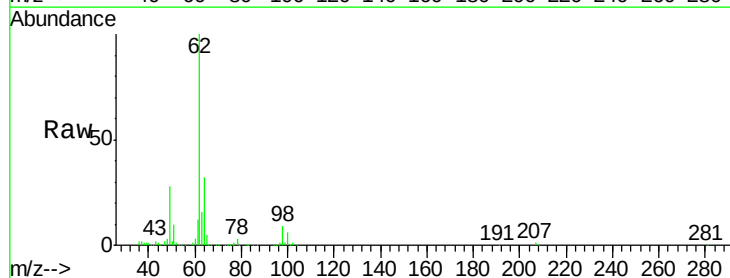
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

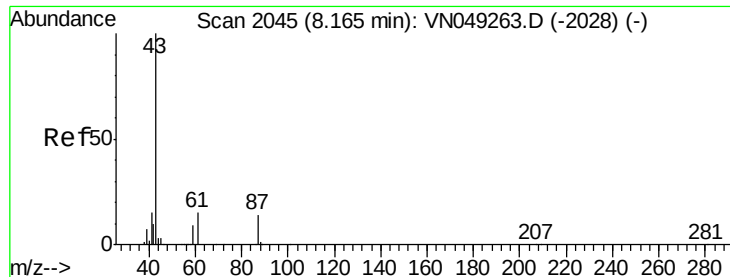
Tot Ion: 41 Resp: 136416
Ion Ratio Lower Upper
41 100
39 51.0 0.0 0.0#
67 85.1 0.0 0.0#
52 34.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 62 Resp: 436180
Ion Ratio Lower Upper
62 100
98 9.1 0.0 16.2





#43

Isopropyl Acetate

Concen: 19.29 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS02

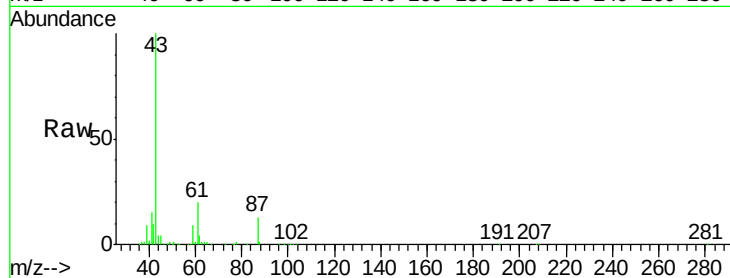
Tot Ion: 43 Resp: 484964

Ion Ratio Lower Upper

43 100

61 18.8 14.2 21.4

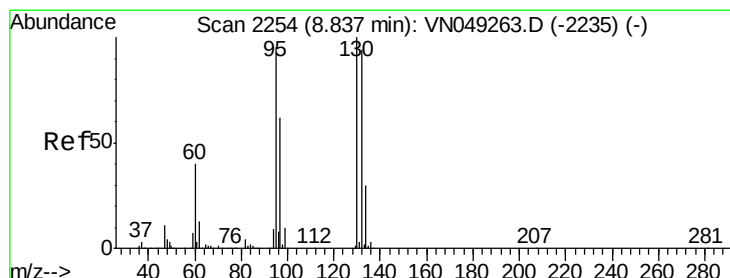
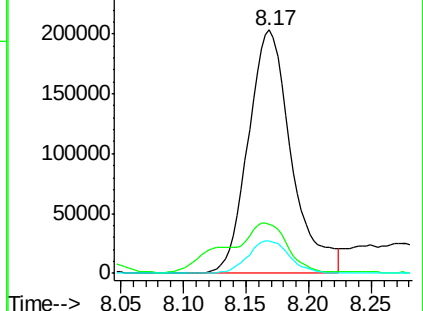
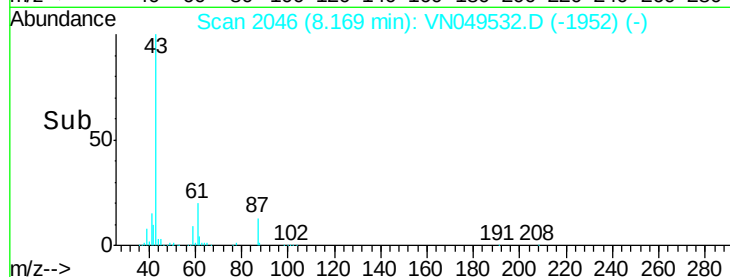
87 12.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049532.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049532.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049532.D (-1952) (-)



#44

Trichloroethene

Concen: 19.27 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049532.D

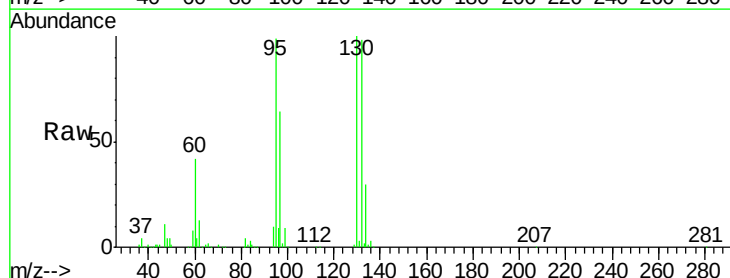
Acq: 26 Jun 2018 1:20

Tgt Ion: 130 Resp: 377412

Ion Ratio Lower Upper

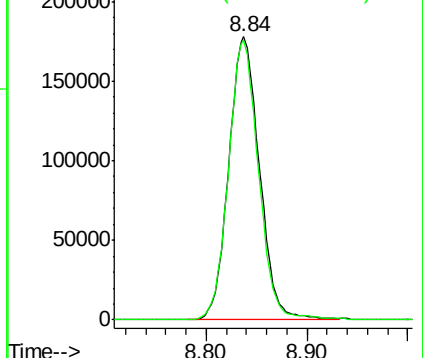
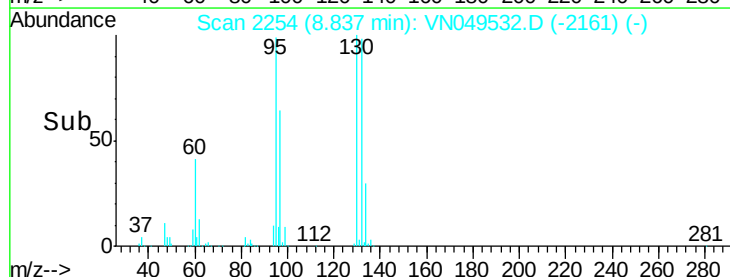
130 100

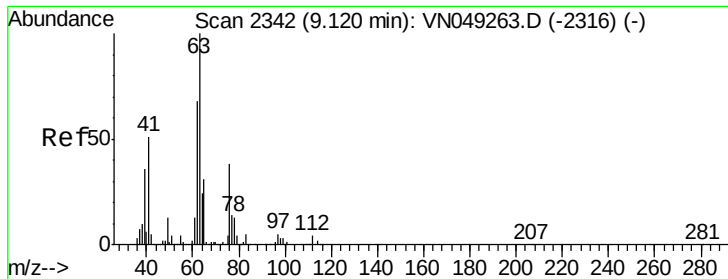
95 98.7 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049532.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049532.D (-2161) (-)

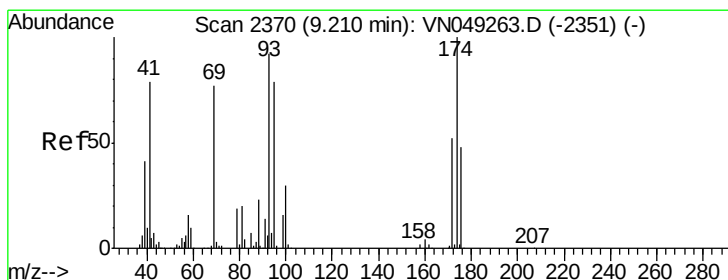
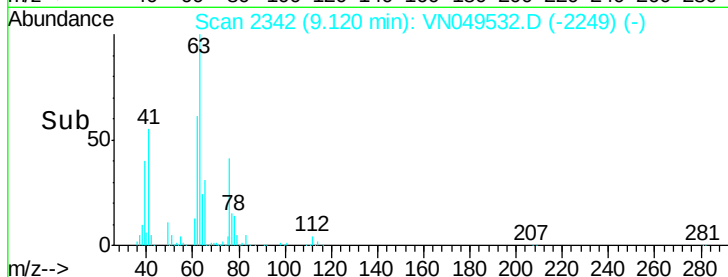
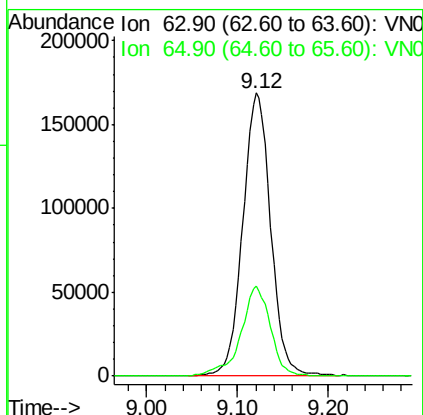
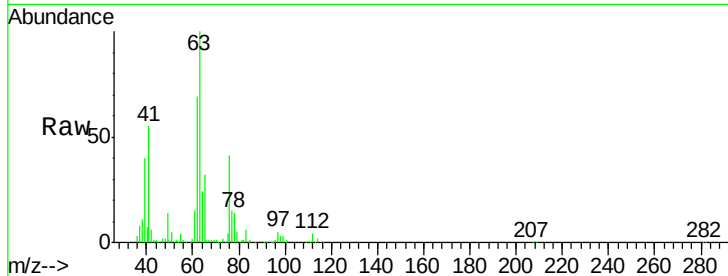




#45
 1,2-Dichloropropane
 Concen: 18.55 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

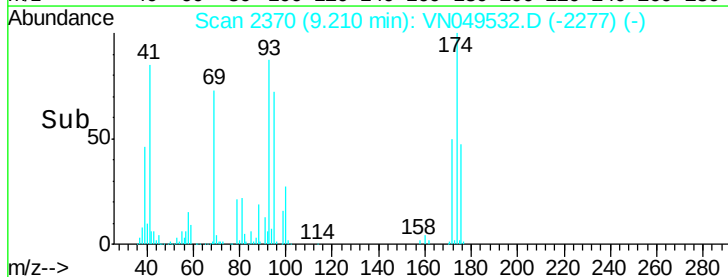
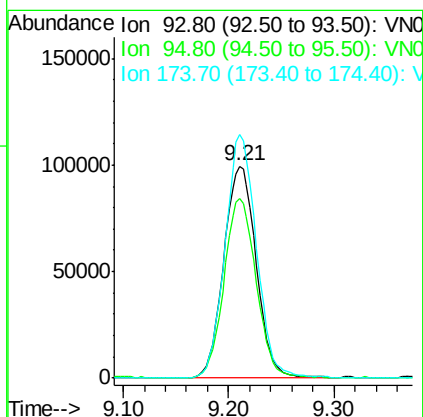
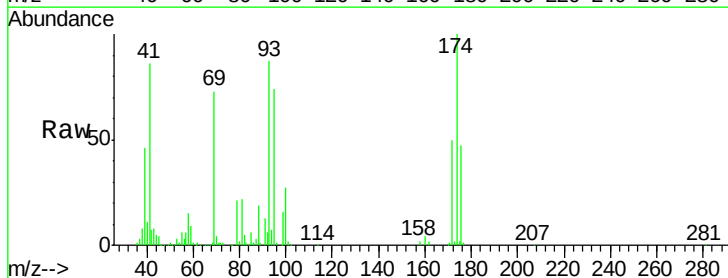
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

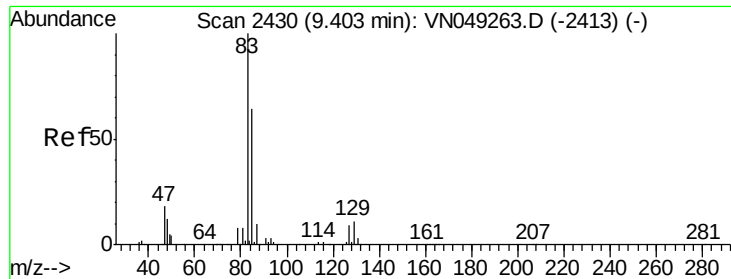
Tot Ion: 63 Resp: 360335
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2



#46
 Dibromomethane
 Concen: 18.83 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 93 Resp: 212108
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 111.1 75.6 113.4





#47

Bromodichloromethane

Concen: 19.06 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

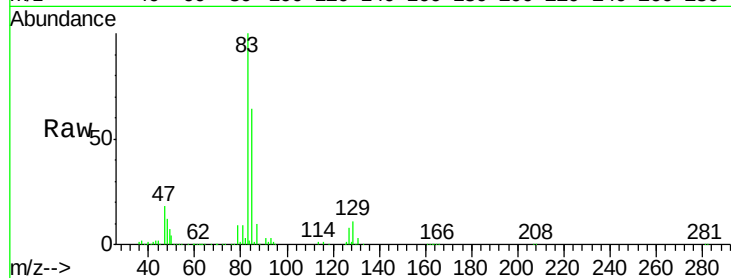
Tot Ion: 83 Resp: 471647

Ion Ratio Lower Upper

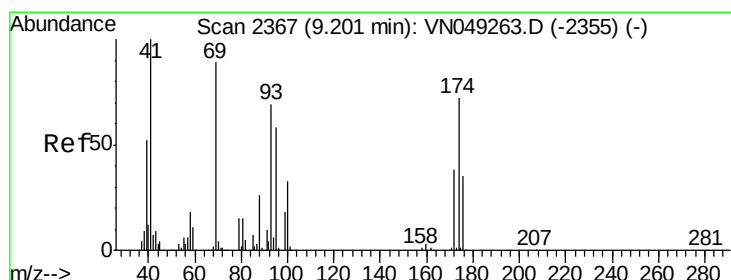
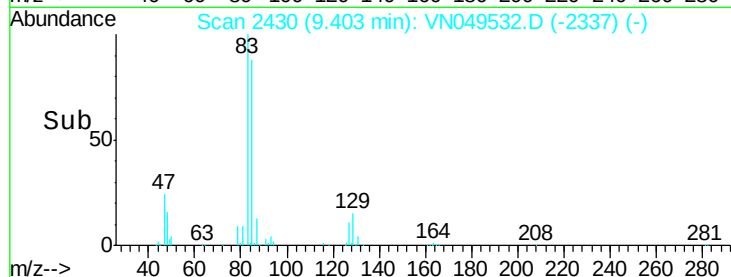
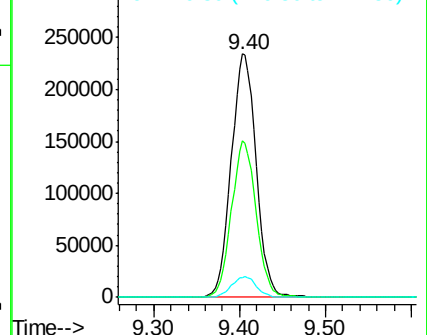
83 100

85 64.0 49.4 74.0

127 8.2 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): VN0



#48

Methyl methacrylate

Concen: 19.34 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

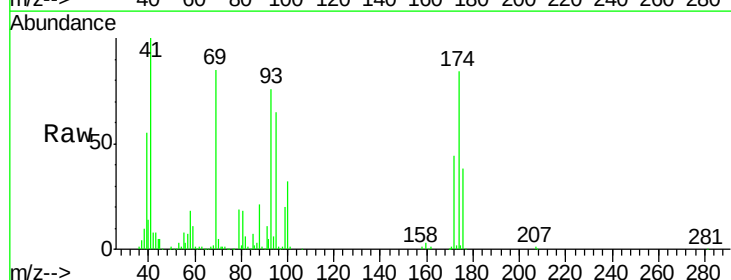
Tgt Ion: 41 Resp: 228871

Ion Ratio Lower Upper

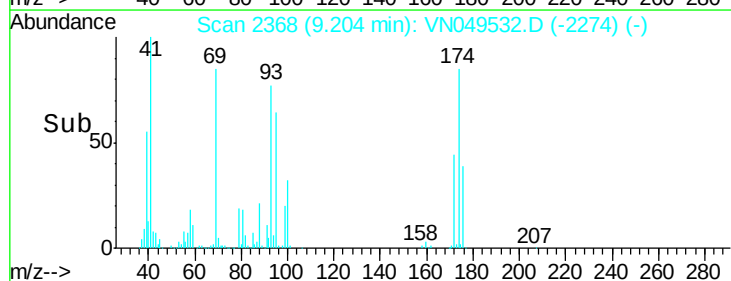
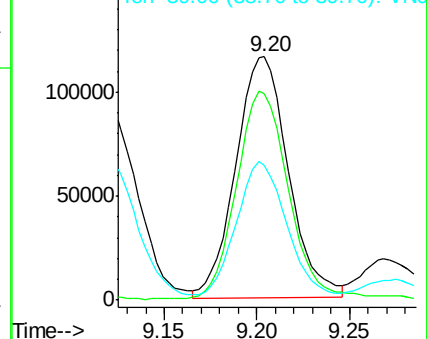
41 100

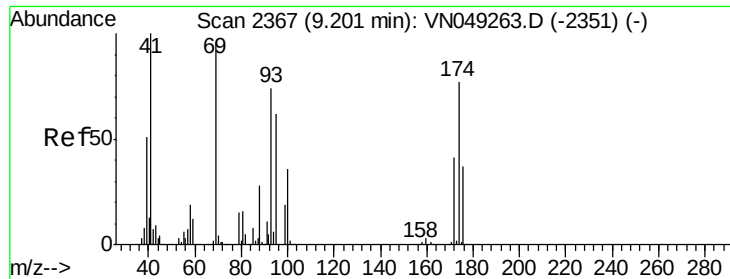
69 85.9 62.0 93.0

39 55.6 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

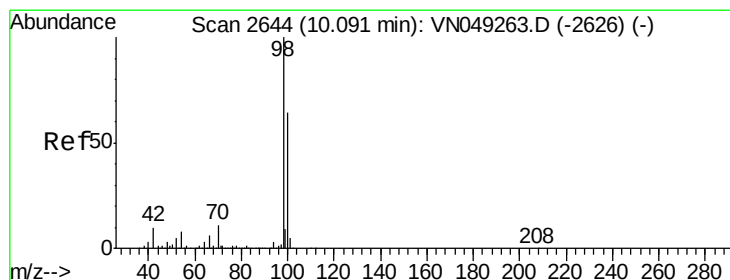
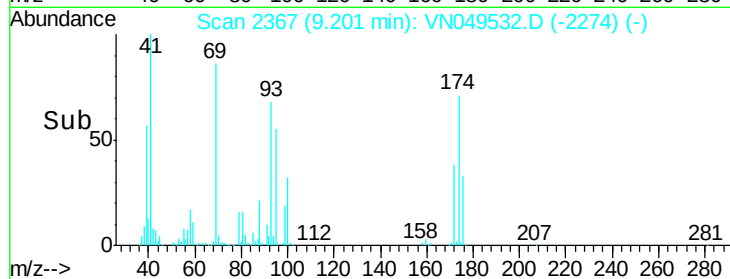
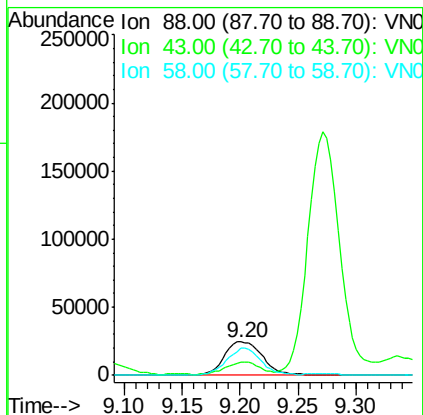
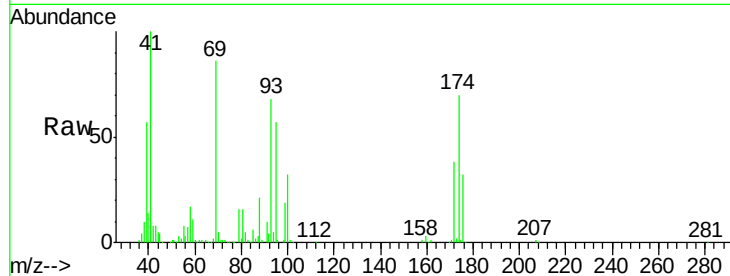




#49
1,4-Dioxane
Concen: 353.23 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

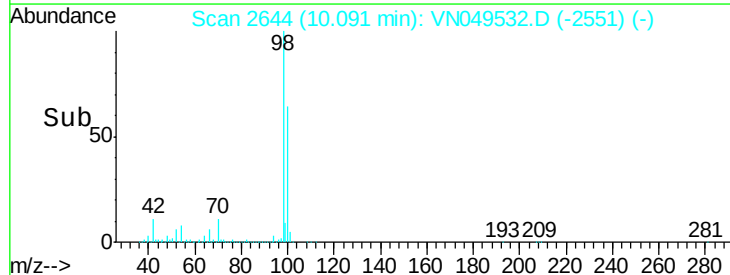
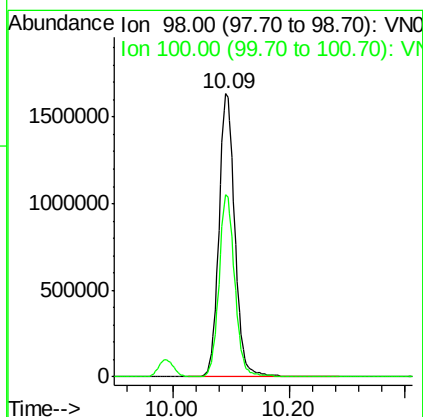
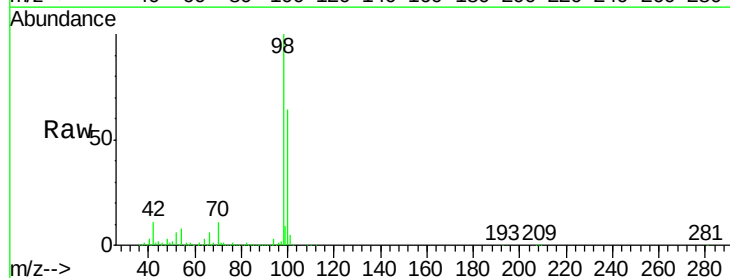
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

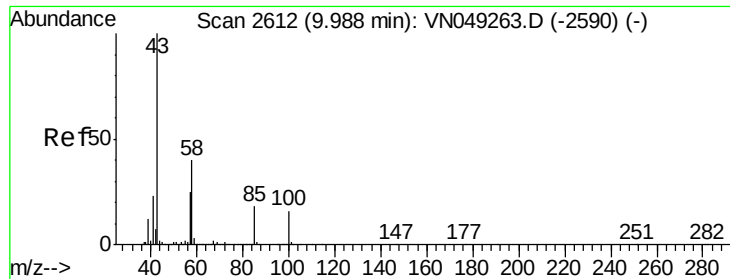
Tot Ion: 88 Resp: 57703
Ion Ratio Lower Upper
88 100
43 31.8 30.9 46.3
58 72.6 58.9 88.3



#50
Toluene-d8
Concen: 47.56 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 98 Resp: 3093036
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 94.46 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

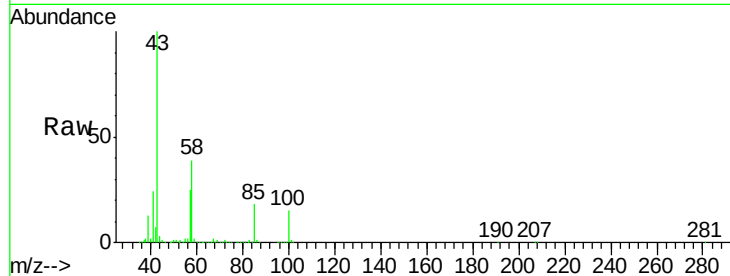
VN0625WBS02

Tot Ion: 43 Resp: 1244293

Ion Ratio Lower Upper

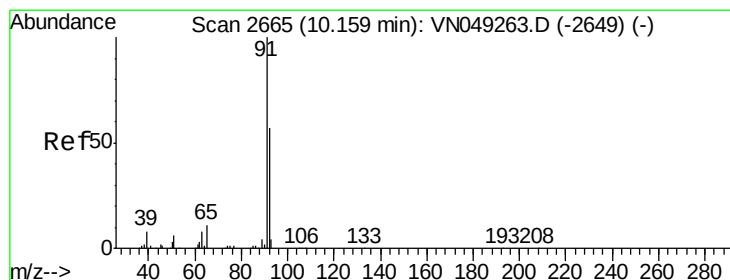
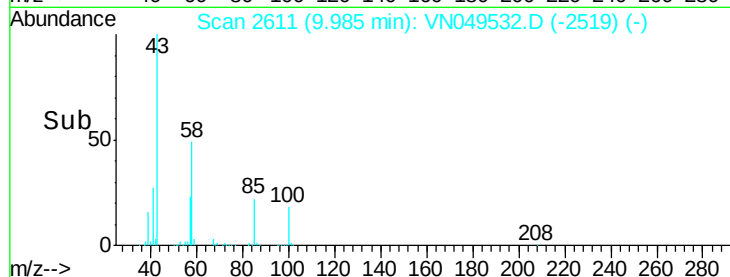
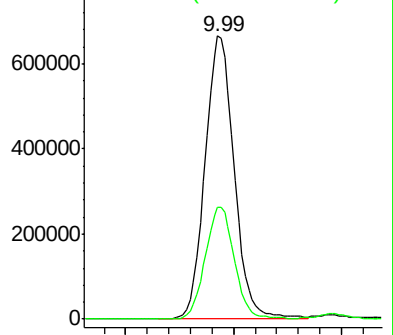
43 100

58 39.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.49 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049532.D

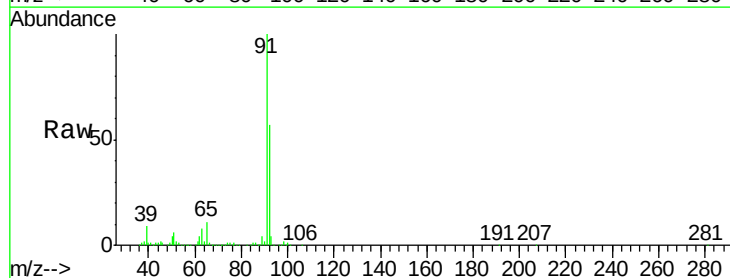
Acq: 26 Jun 2018 1:20

Tgt Ion: 92 Resp: 848423

Ion Ratio Lower Upper

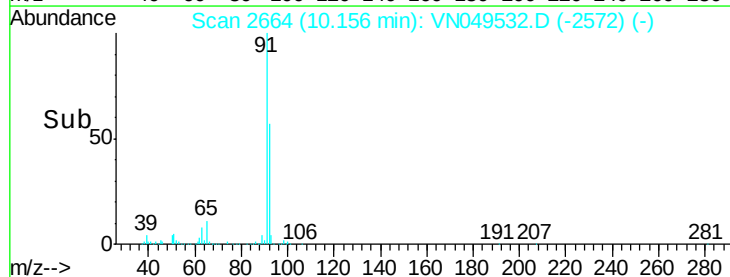
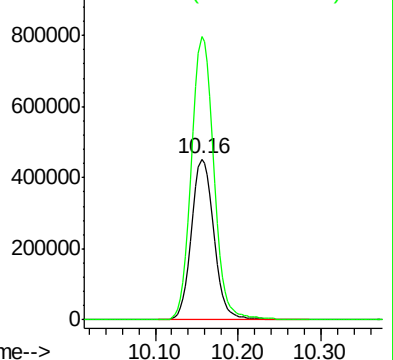
92 100

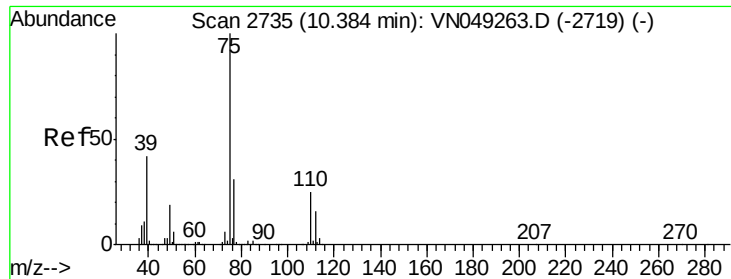
91 177.1 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.51 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

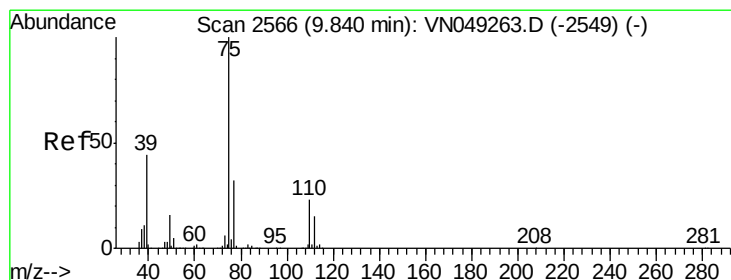
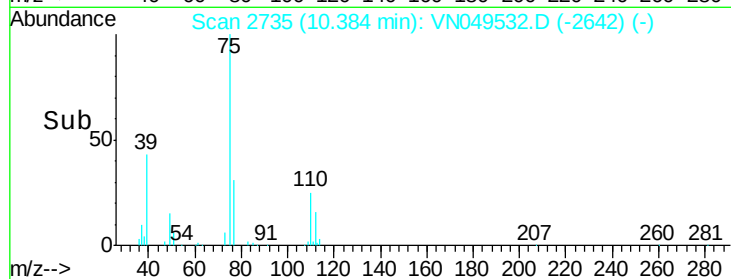
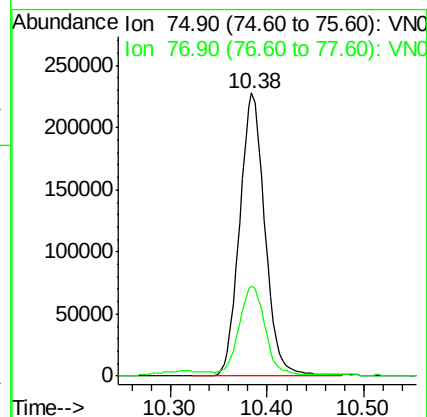
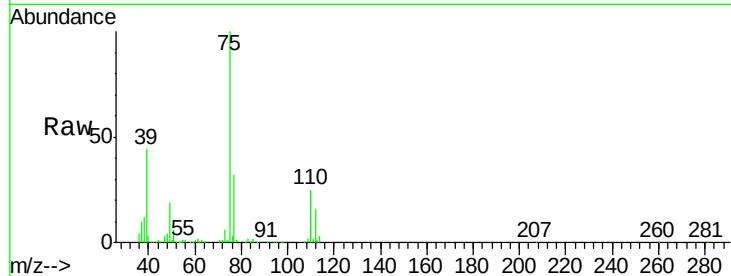
VN0625WBS02

Tot Ion: 75 Resp: 414650

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 17.98 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

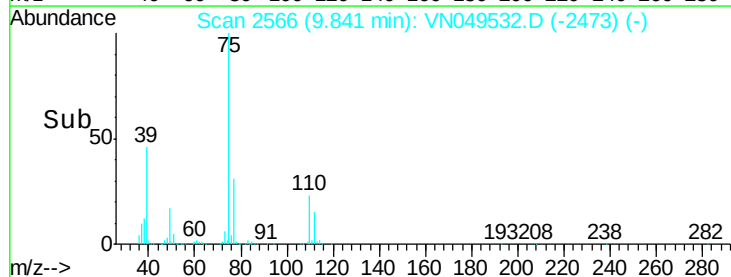
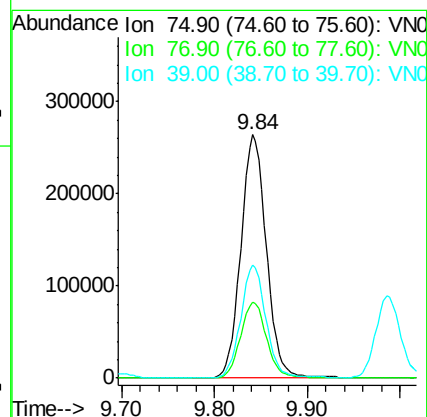
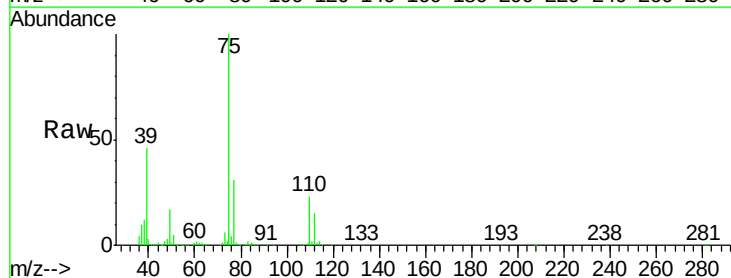
Tgt Ion: 75 Resp: 502534

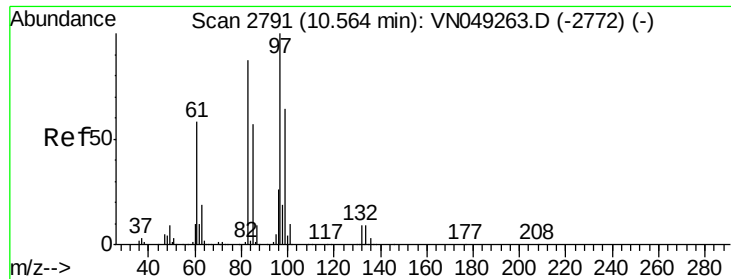
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 46.4 45.1 67.7

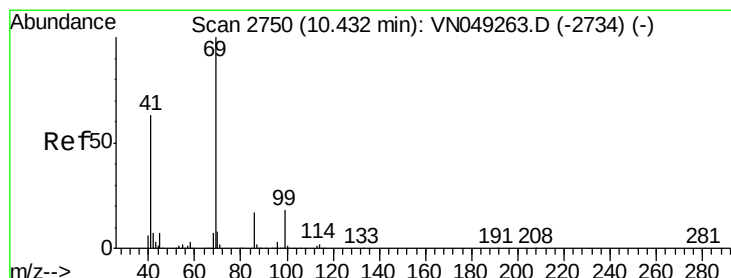
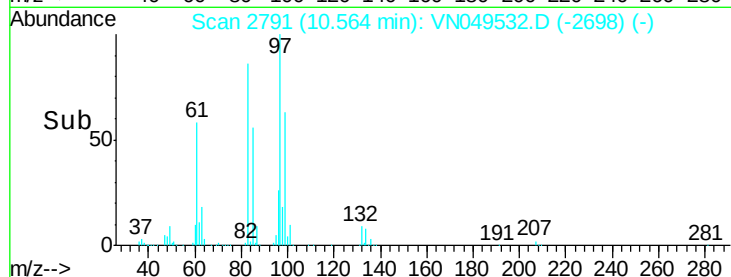
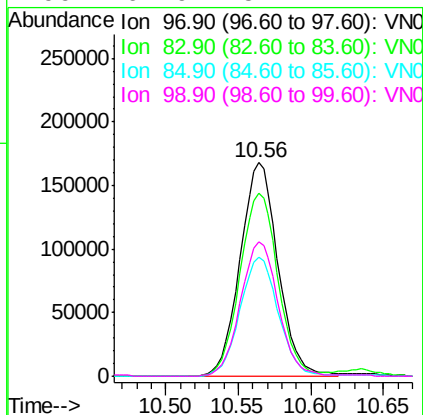
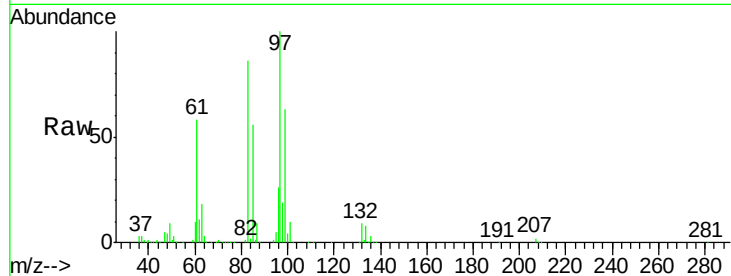




#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

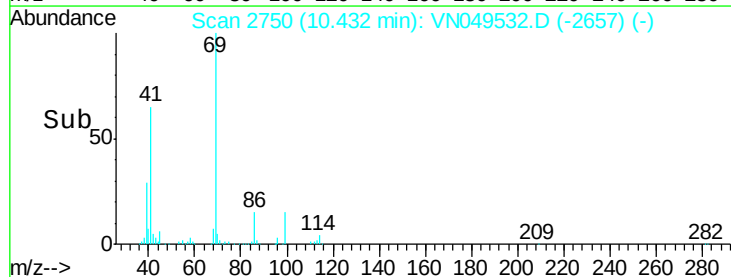
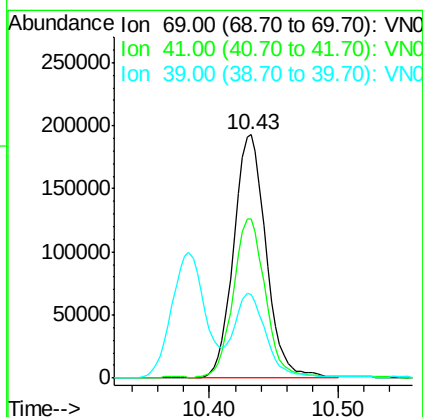
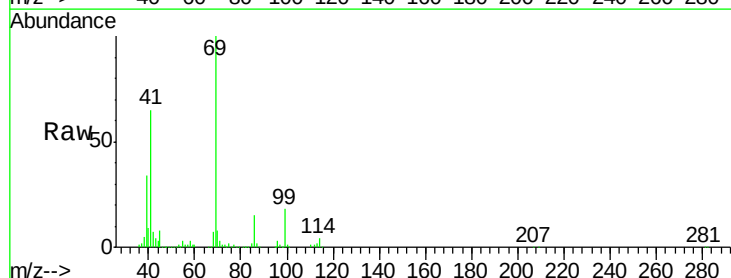
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

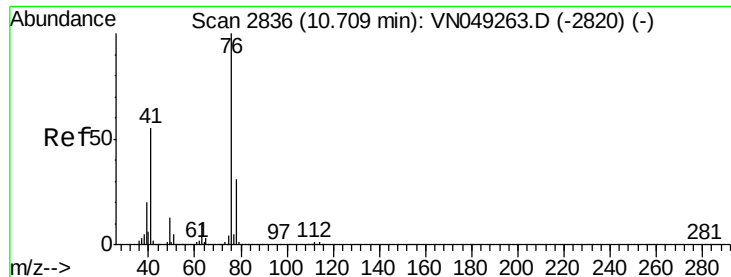
Tot Ion: 97 Resp: 305373
 Ion Ratio Lower Upper
 97 100
 83 85.8 71.5 107.3
 85 55.7 47.0 70.4
 99 62.9 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 18.03 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 69 Resp: 337642
 Ion Ratio Lower Upper
 69 100
 41 63.7 58.4 87.6
 39 33.8 35.5 53.3#





#57

1,3-Dichloropropane

Concen: 18.70 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

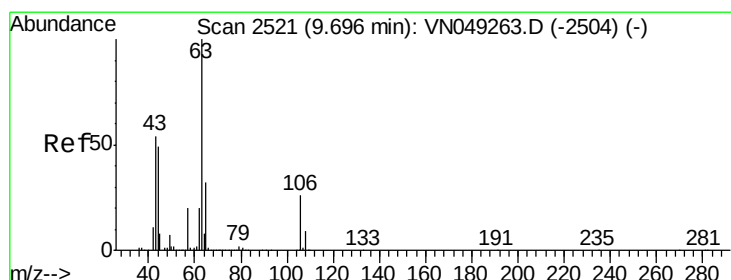
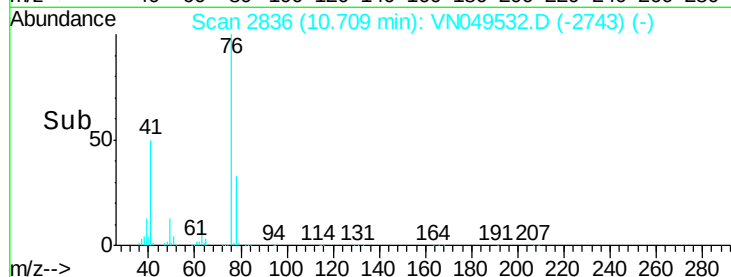
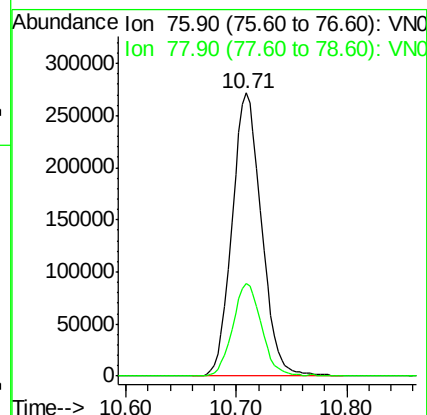
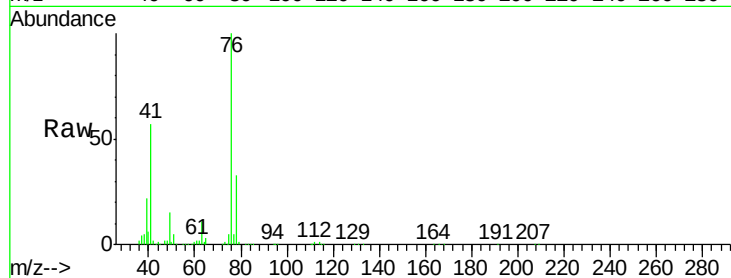
VN0625WBS02

Tot Ion: 76 Resp: 502791

Ion Ratio Lower Upper

76 100

78 31.9 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 79.88 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049532.D

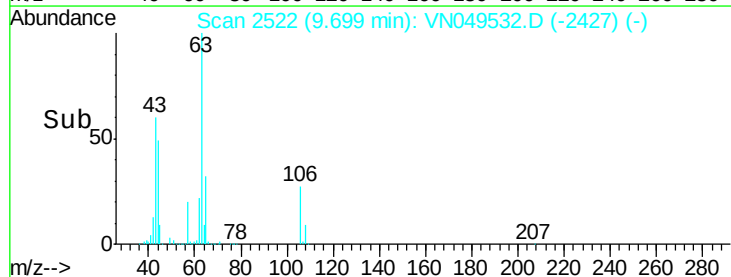
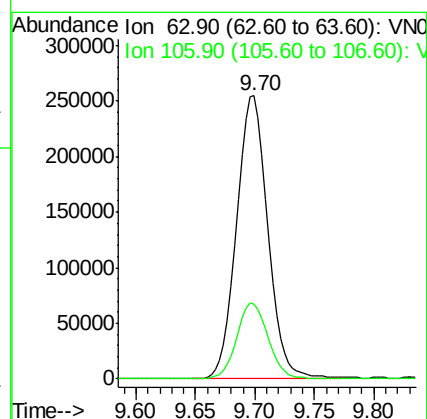
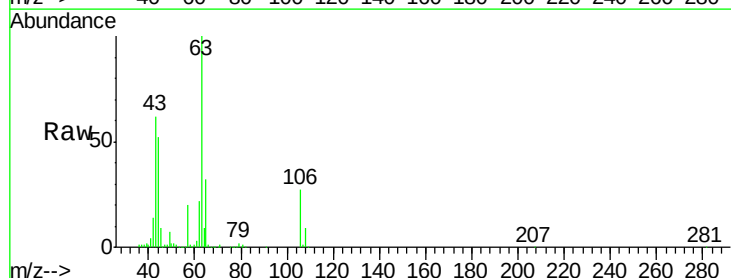
Acq: 26 Jun 2018 1:20

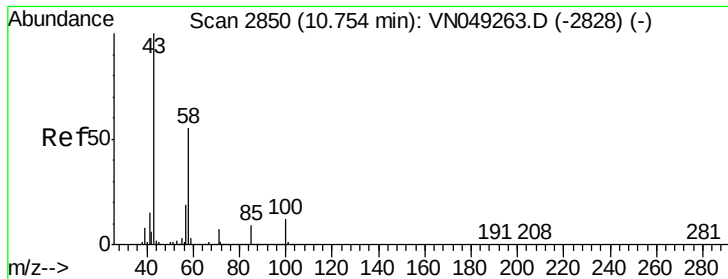
Tgt Ion: 63 Resp: 465516

Ion Ratio Lower Upper

63 100

106 27.1 19.4 29.2

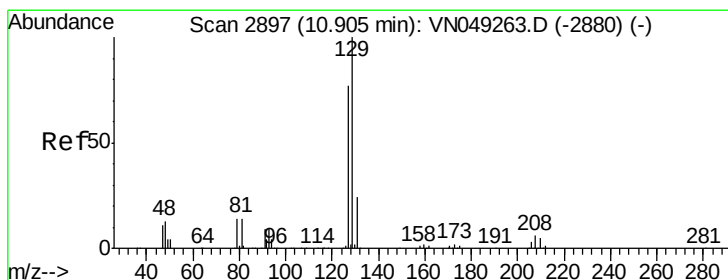
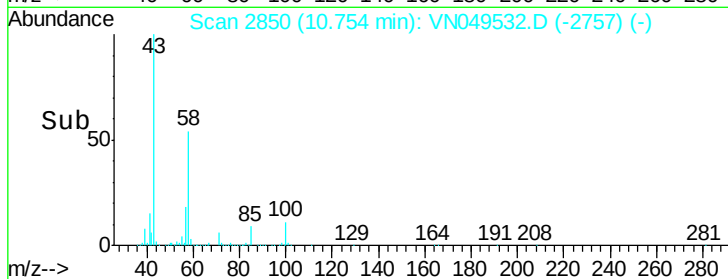
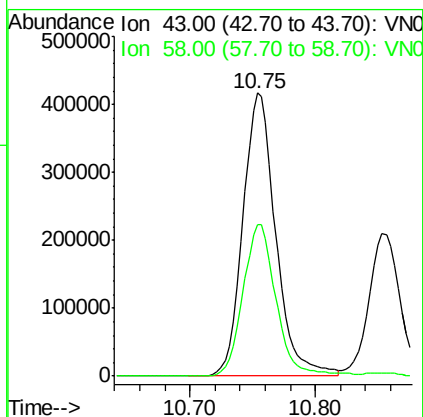
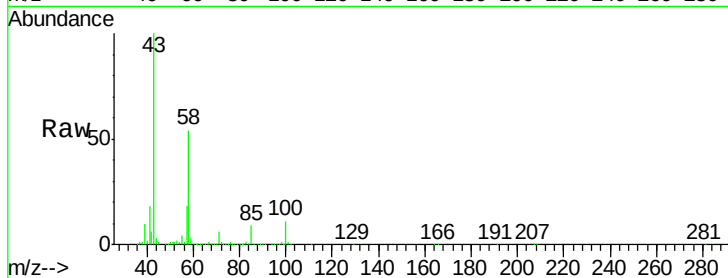




#59
2-Hexanone
Concen: 89.00 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

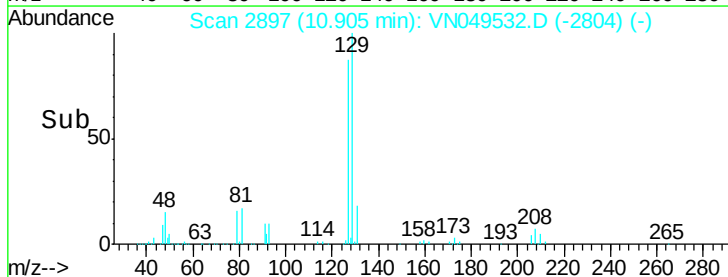
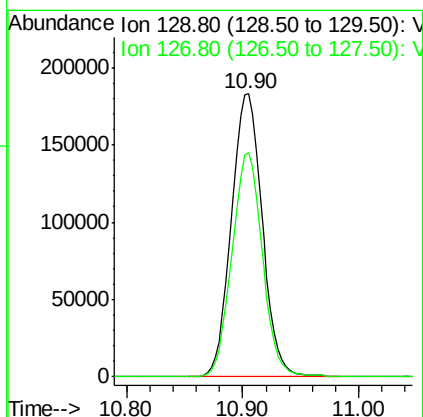
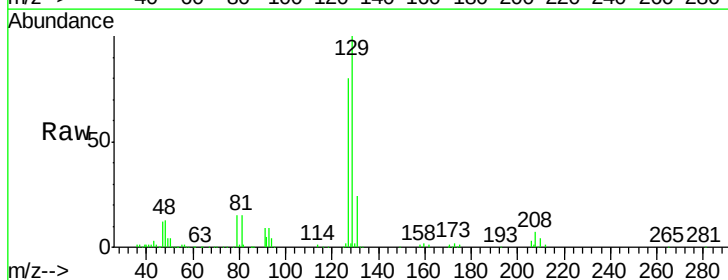
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

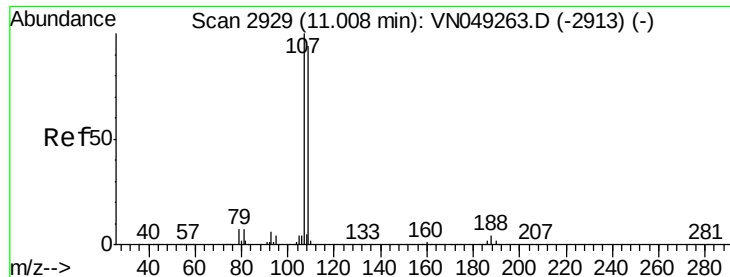
Tot Ion: 43 Resp: 755832
Ion Ratio Lower Upper
43 100
58 54.4 25.2 75.6



#60
Dibromochloromethane
Concen: 18.63 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 129 Resp: 337504
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

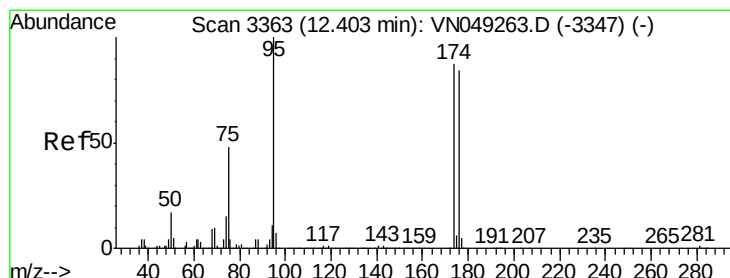
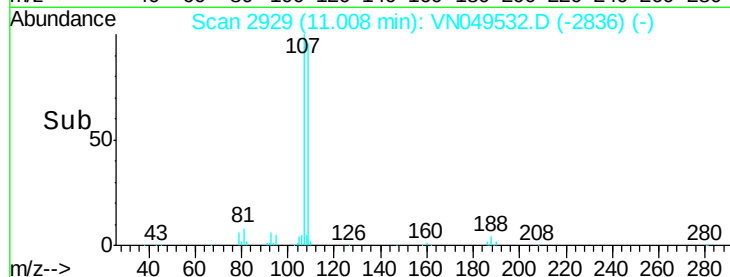
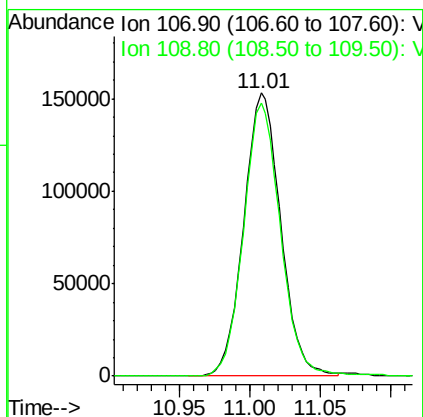
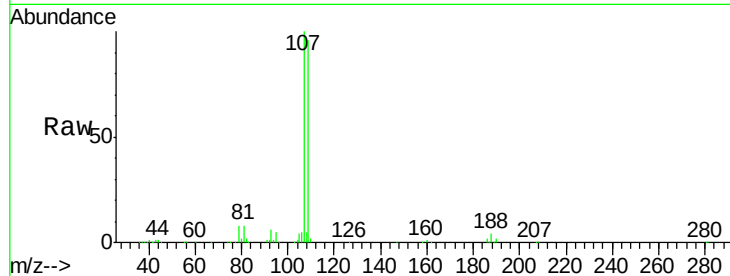




#61
 1,2-Dibromoethane
 Concen: 18.66 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

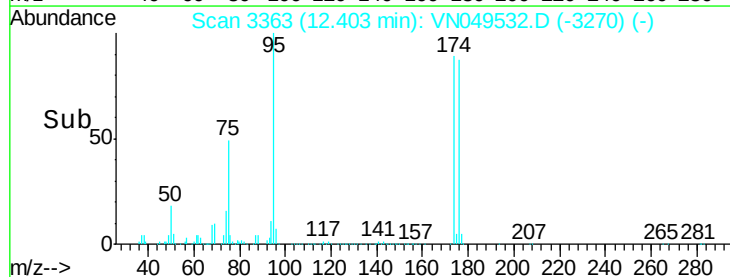
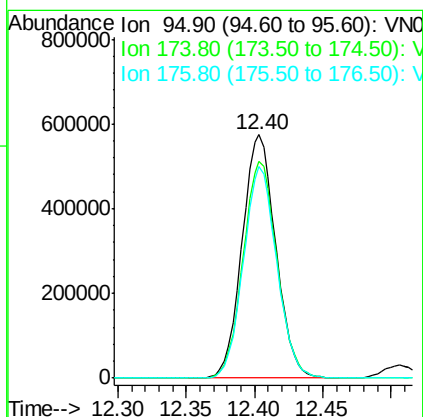
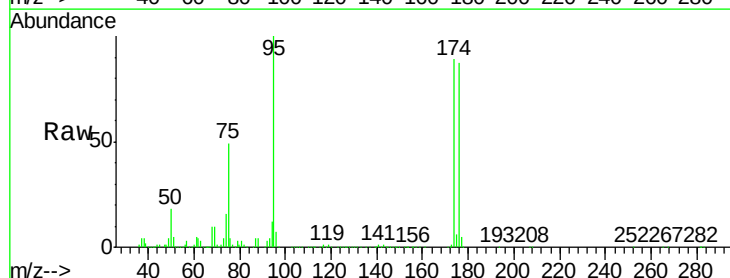
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

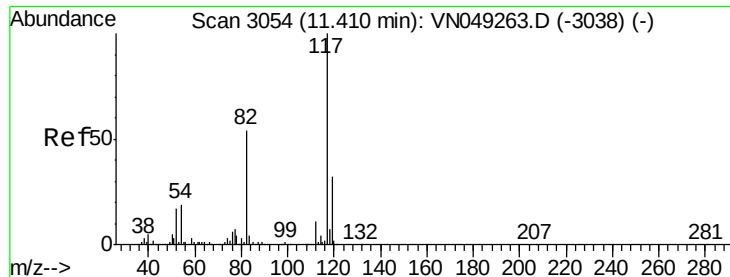
Tot Ion:107 Resp: 281498
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 45.71 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 95 Resp: 983048
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 165.6
 176 86.3 0.0 157.4

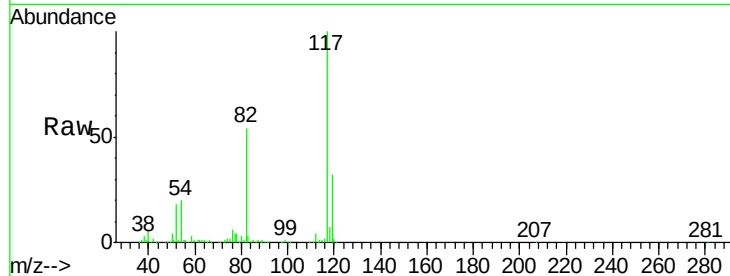




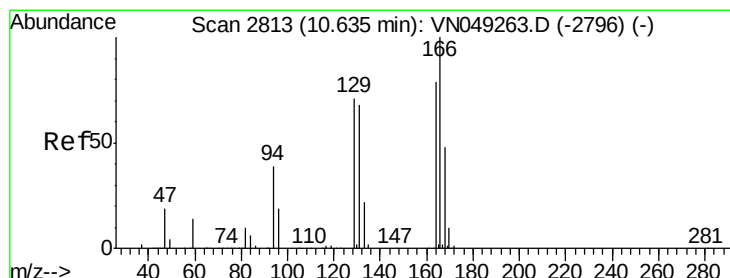
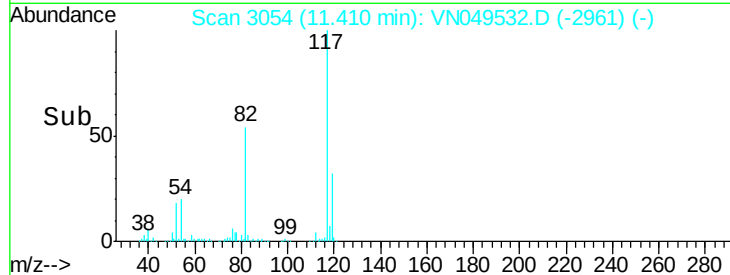
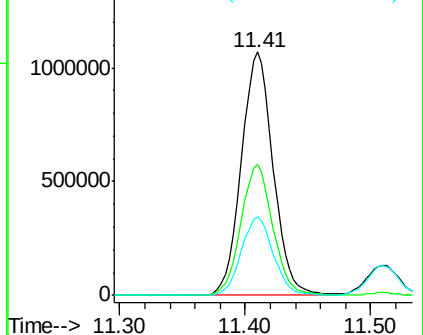
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

Tot Ion:117 Resp: 1889103
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.2 25.5 38.3

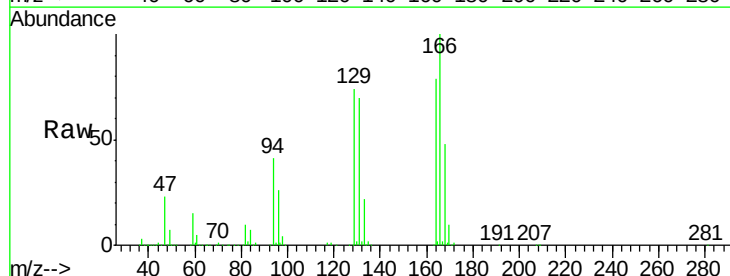


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

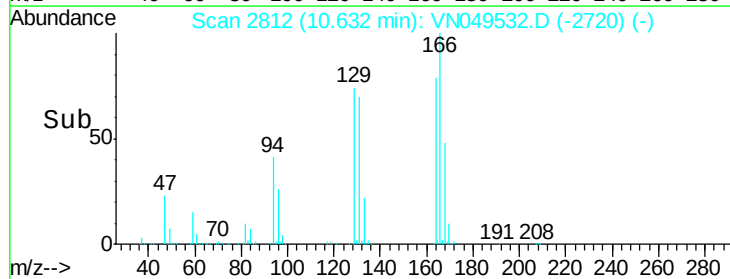
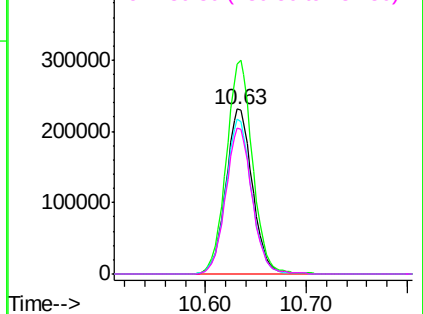


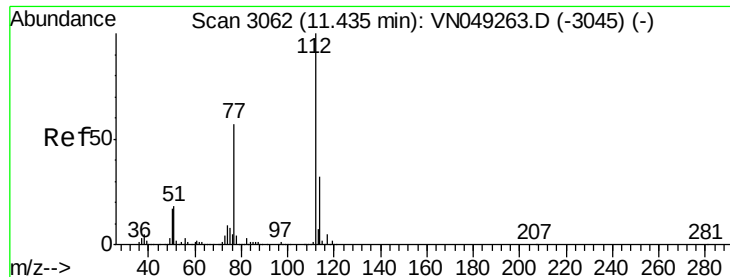
#64
Tetrachloroethene
Concen: 21.98 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion:164 Resp: 425515
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.2
129 93.7 74.1 111.1
131 88.3 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: 18.60 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

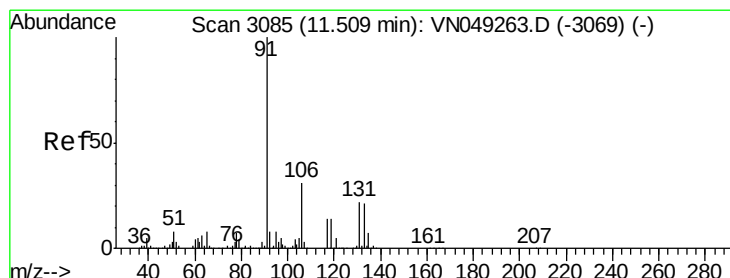
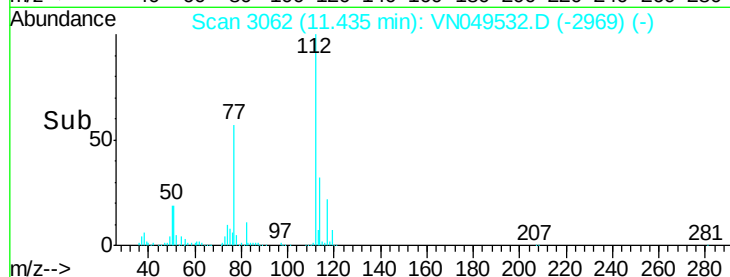
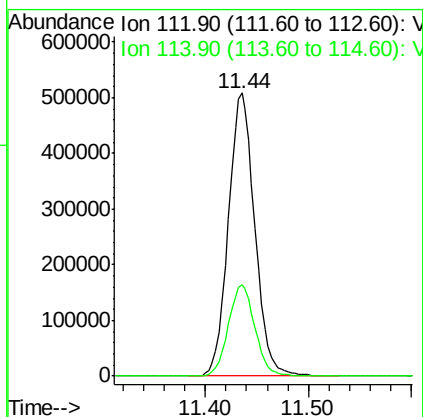
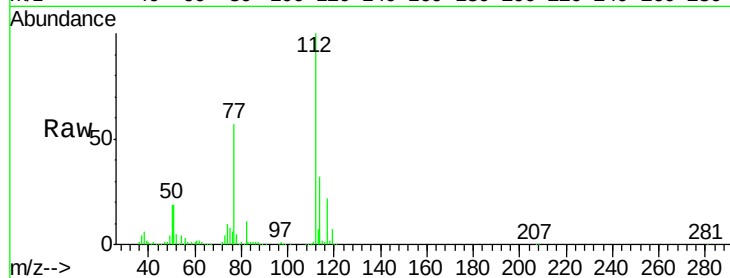
VN0625WBS02

Tot Ion:112 Resp: 905264

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 19.03 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

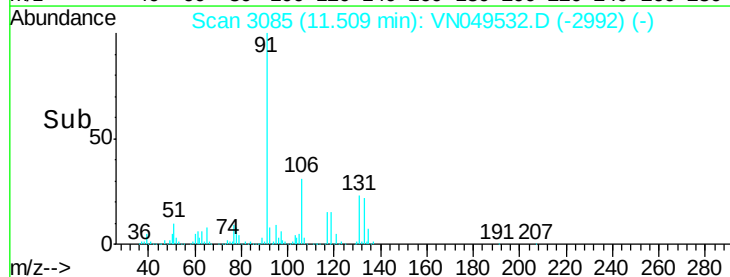
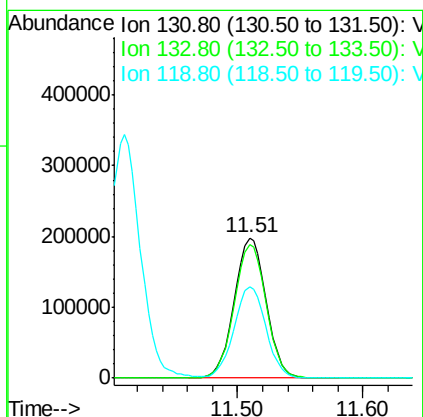
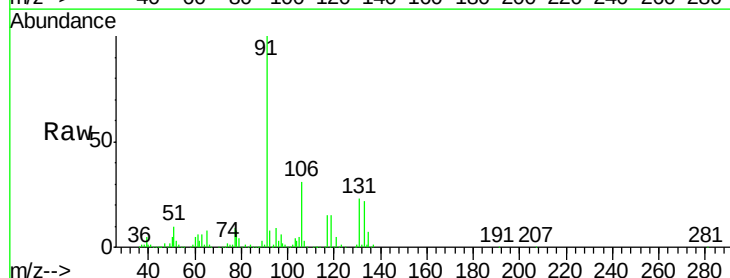
Tgt Ion:131 Resp: 348436

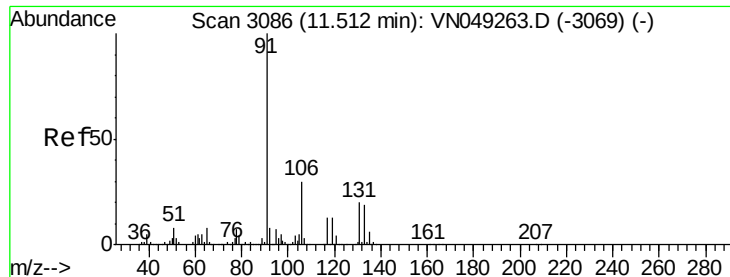
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 18.81 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampled :

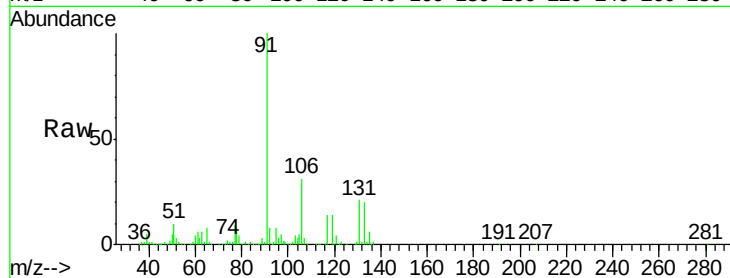
VN0625WBS02

Tot Ion: 91 Resp: 1518425

Ion Ratio Lower Upper

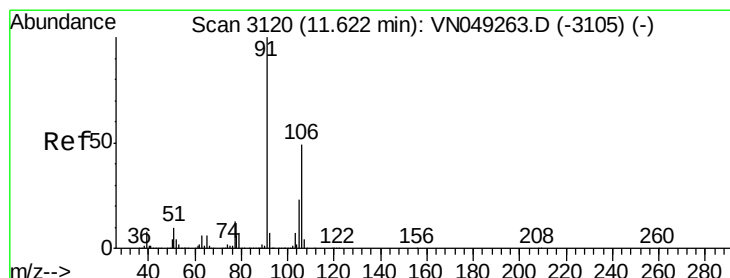
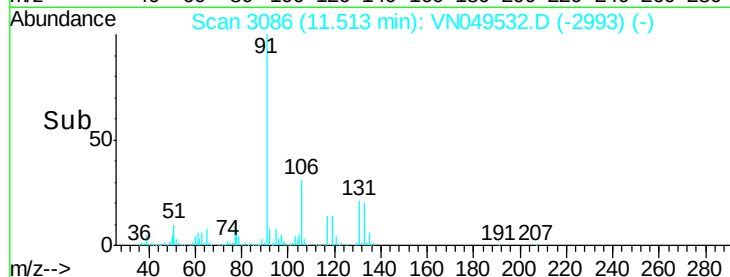
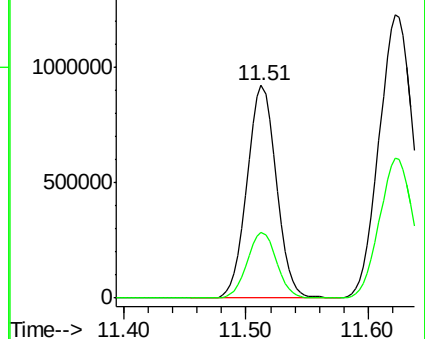
91 100

106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.72 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049532.D

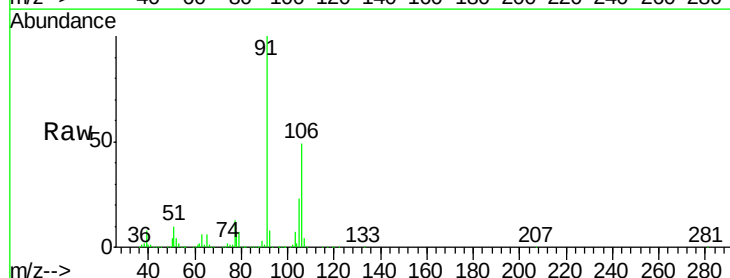
Acq: 26 Jun 2018 1:20

Tgt Ion: 106 Resp: 1172980

Ion Ratio Lower Upper

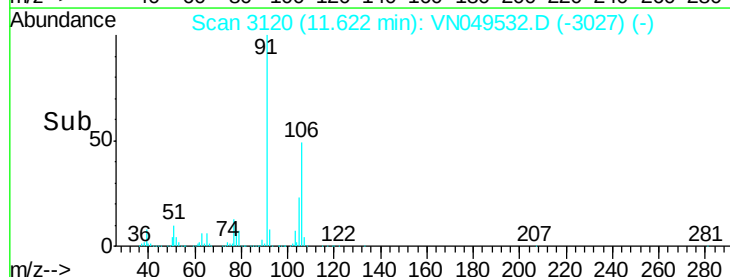
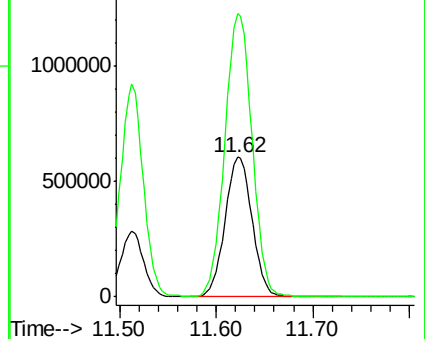
106 100

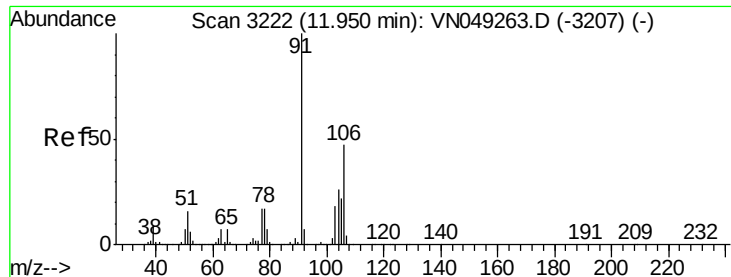
91 204.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 19.27 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

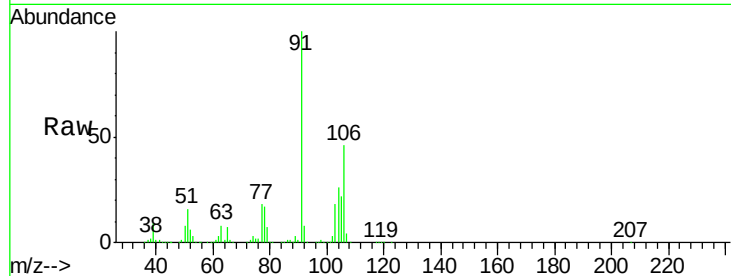
VN0625WBS02

Tot Ion:106 Resp: 562112

Ion Ratio Lower Upper

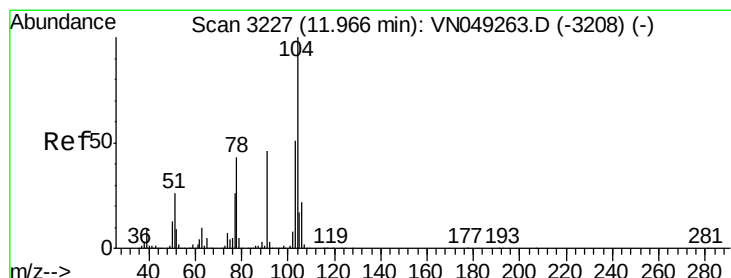
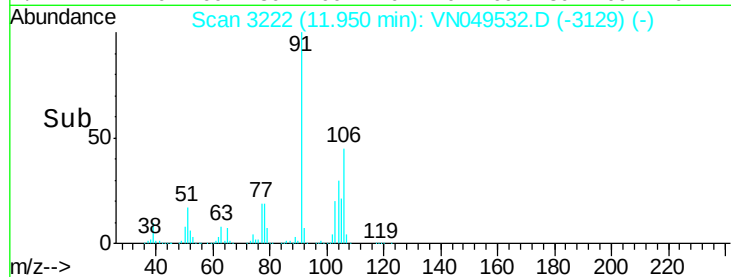
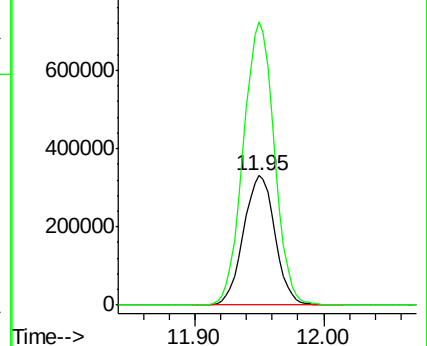
106 100

91 215.8 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.94 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

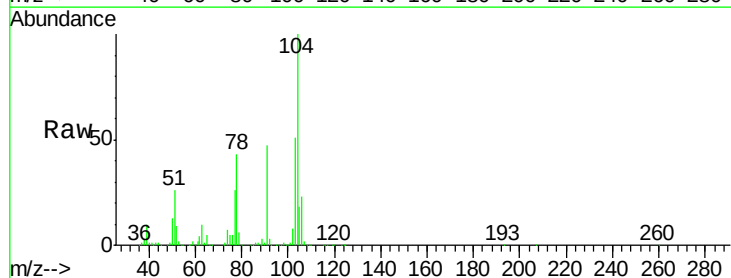
Tgt Ion:104 Resp: 872070

Ion Ratio Lower Upper

104 100

78 49.8 41.6 62.4

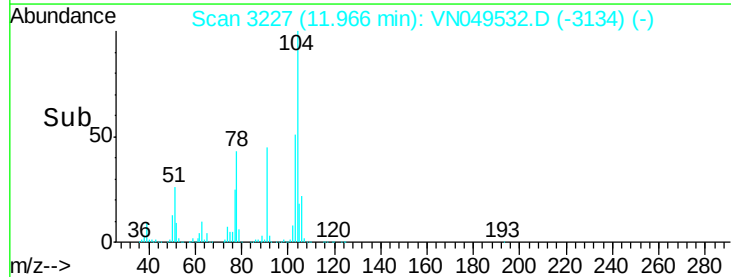
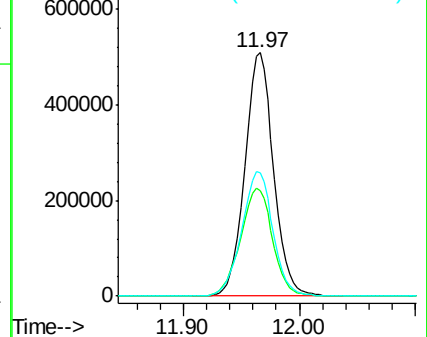
103 55.8 45.4 68.2

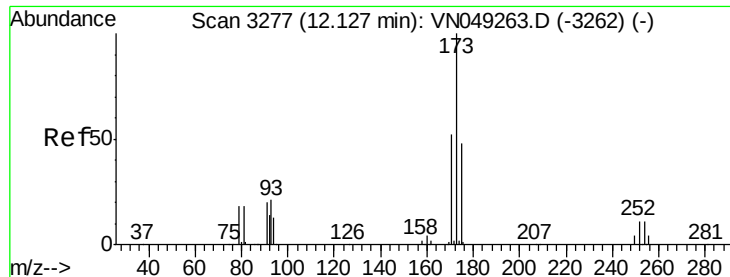


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.85 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

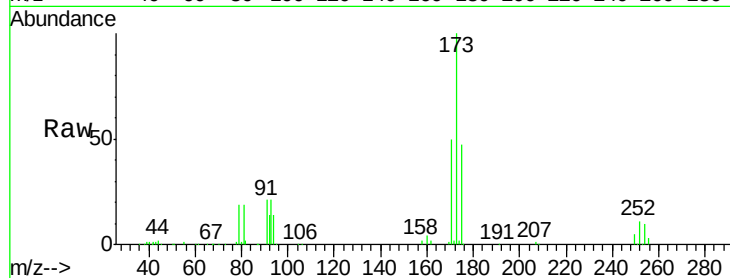
Tot Ion:173 Resp: 223406

Ion Ratio Lower Upper

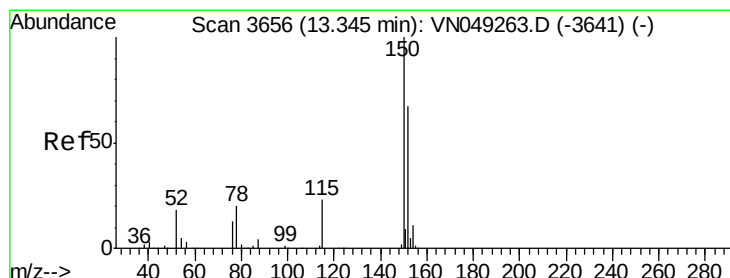
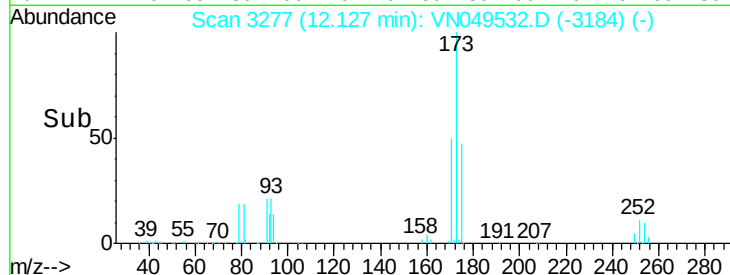
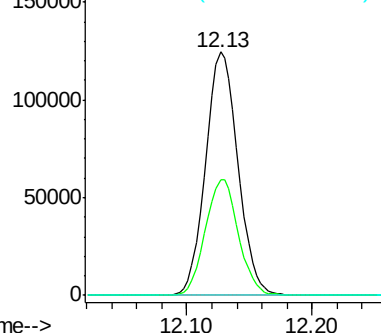
173 100

175 48.6 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: VN049532.D

Acq: 26 Jun 2018 1:20

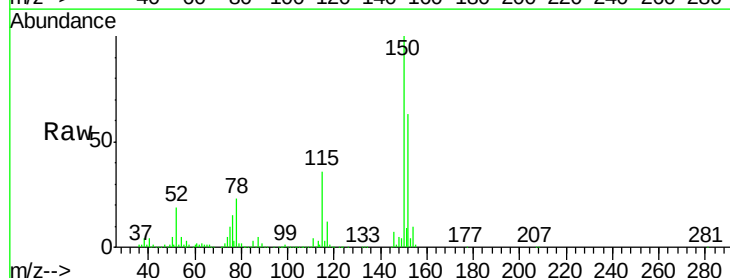
Tgt Ion:152 Resp: 874705

Ion Ratio Lower Upper

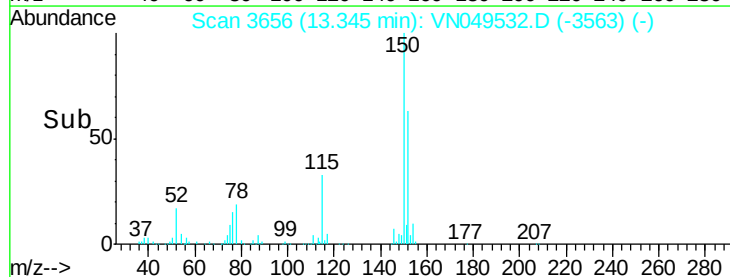
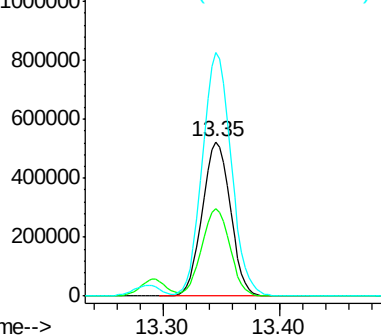
152 100

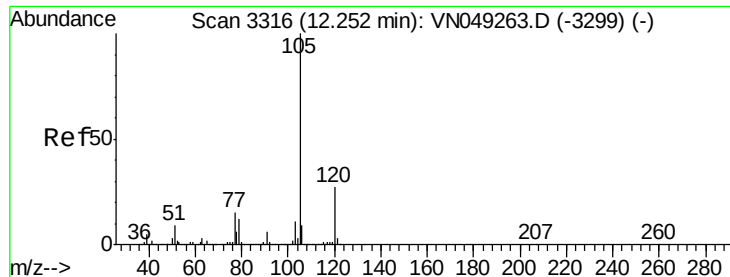
115 56.6 28.7 86.1

150 162.1 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.45 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

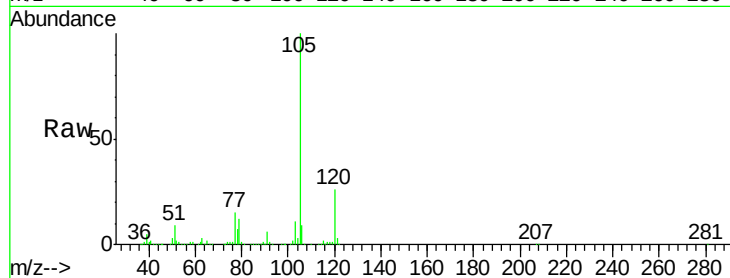
VN0625WBS02

Tot Ion:105 Resp: 1493632

Ion Ratio Lower Upper

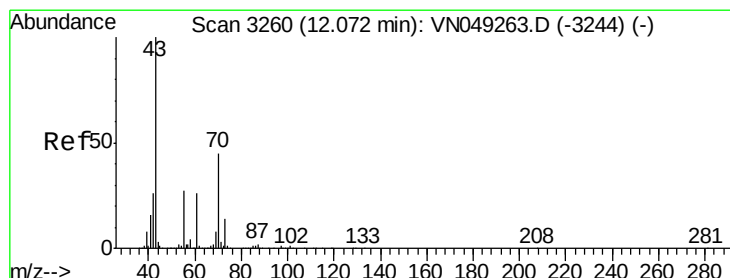
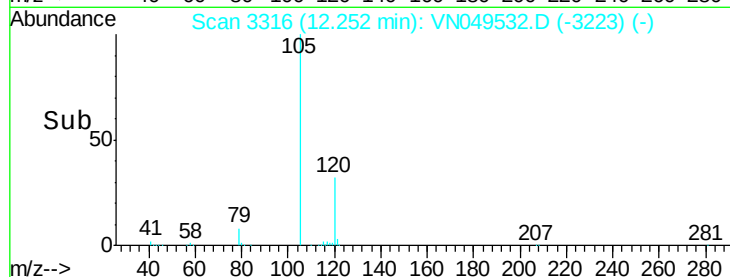
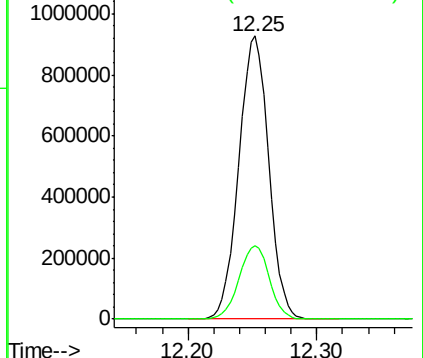
105 100

120 26.3 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: 17.36 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion: 43 Resp: 326616

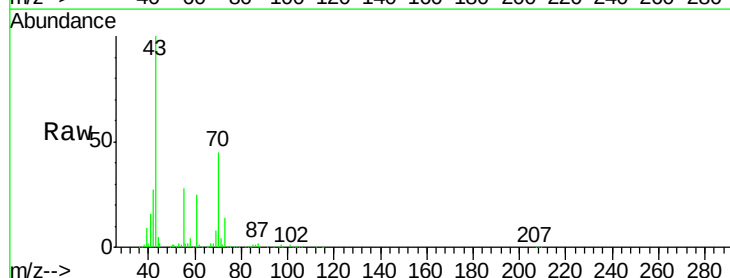
Ion Ratio Lower Upper

43 100

70 43.6 30.3 45.5

55 28.0 19.4 29.2

61 24.5 17.8 26.6

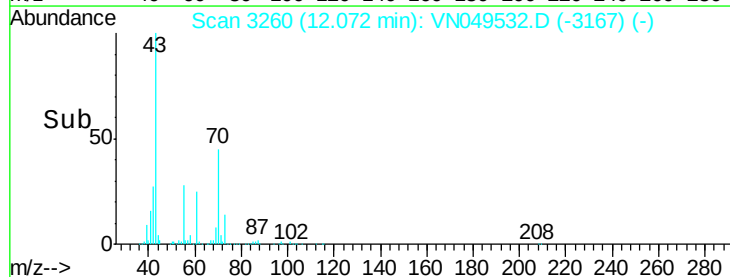
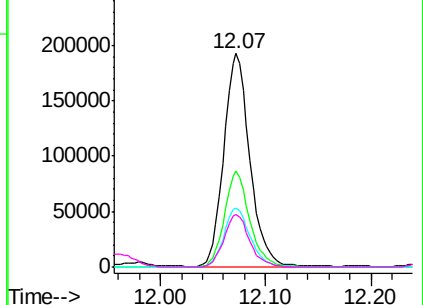


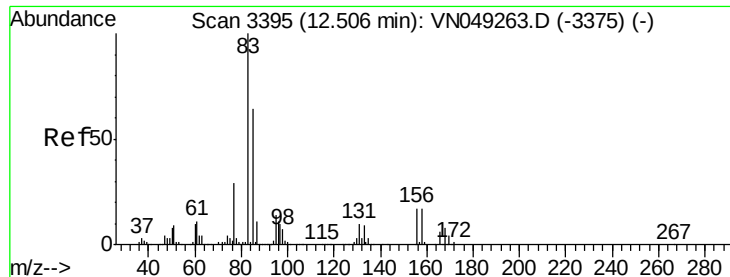
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.96 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

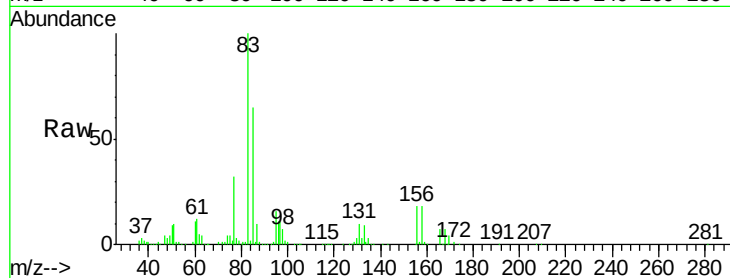
Tot Ion: 83 Resp: 321512

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

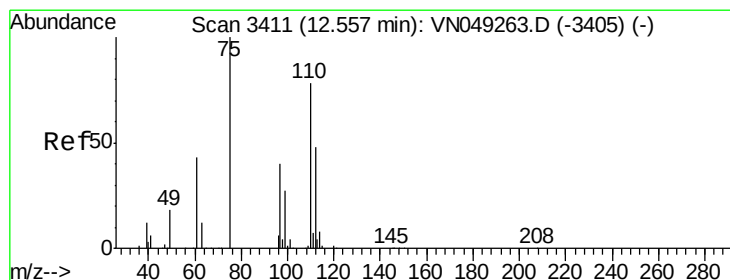
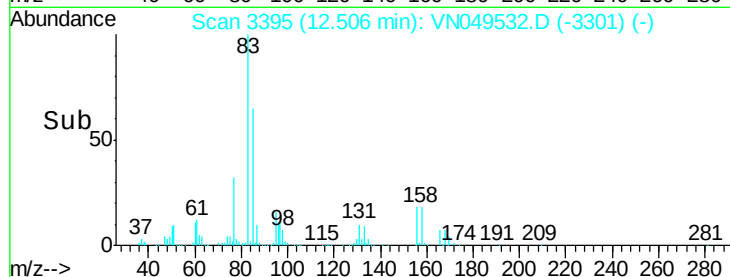
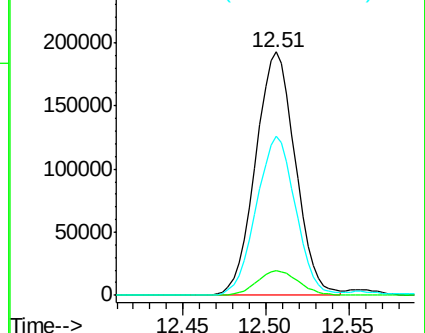
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.91 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049532.D

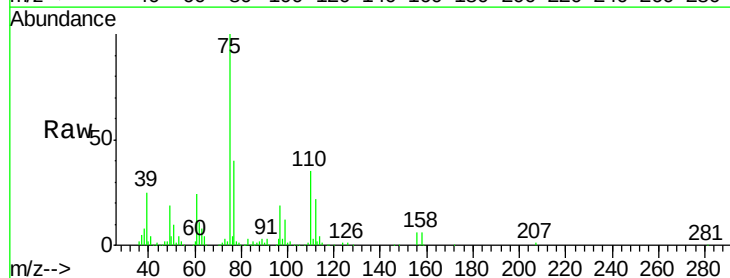
Acq: 26 Jun 2018 1:20

Tgt Ion: 75 Resp: 416585

Ion Ratio Lower Upper

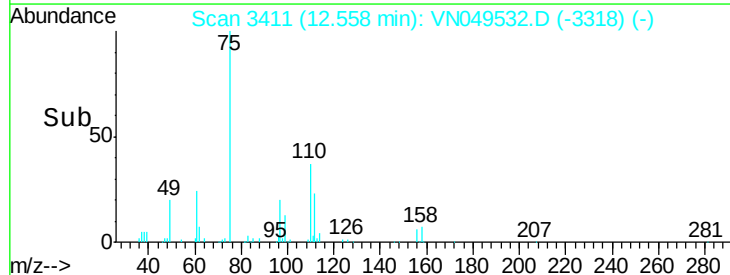
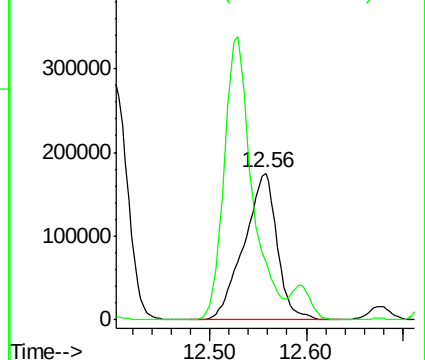
75 100

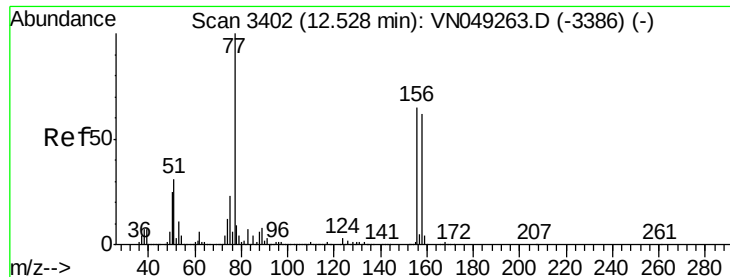
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.68 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

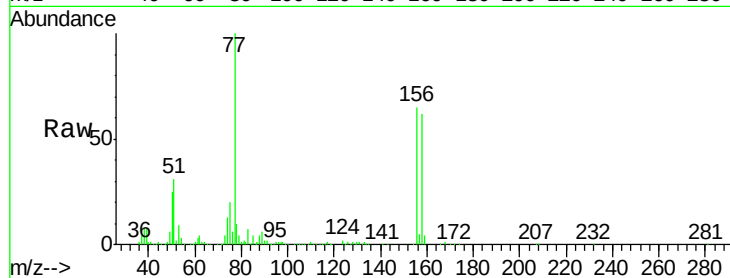
Tot Ion:156 Resp: 379008

Ion Ratio Lower Upper

156 100

77 179.4 100.8 302.4

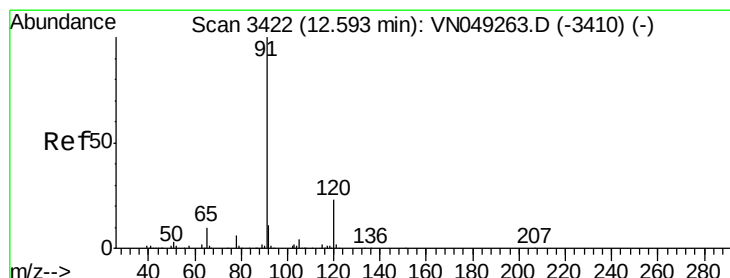
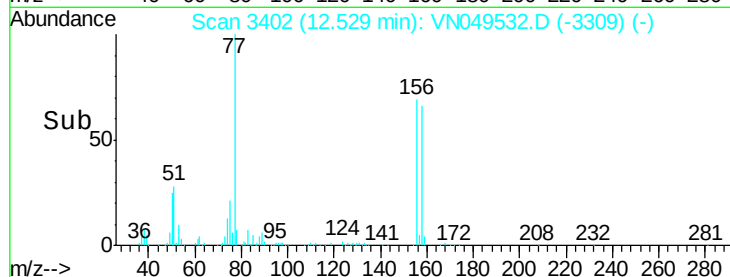
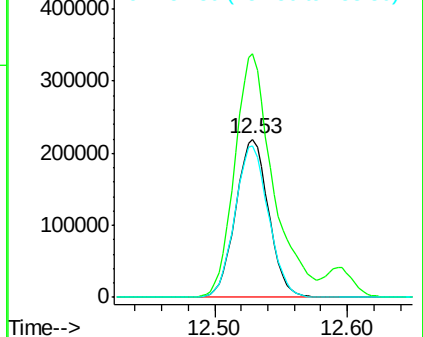
158 97.5 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.33 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049532.D

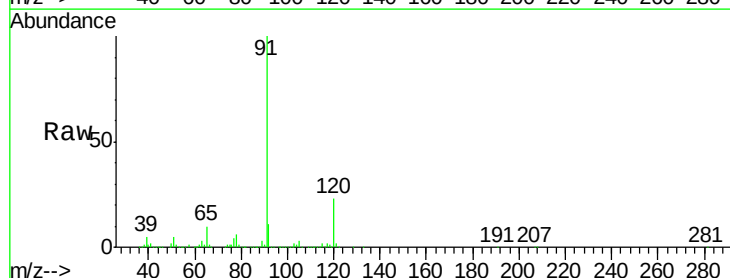
Acq: 26 Jun 2018 1:20

Tgt Ion: 91 Resp: 1629842

Ion Ratio Lower Upper

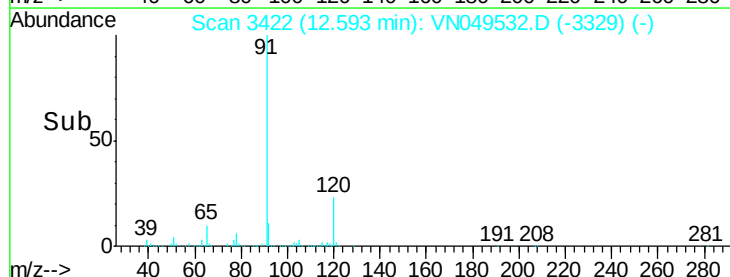
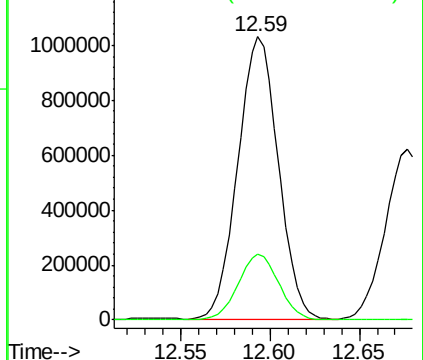
91 100

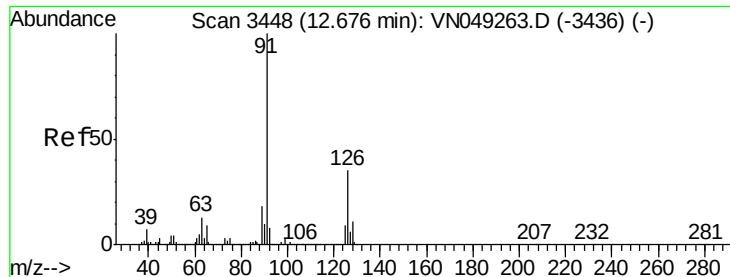
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.15 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

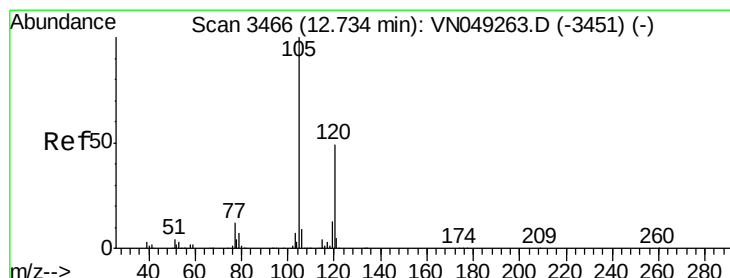
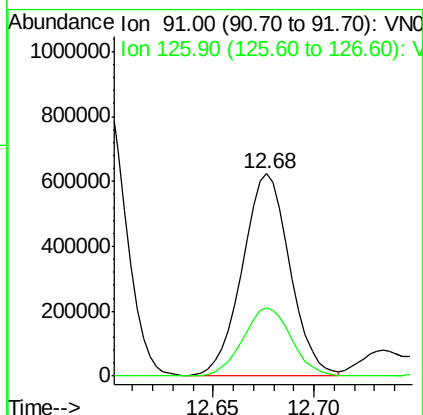
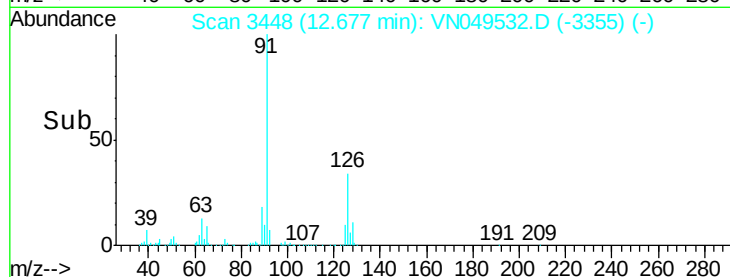
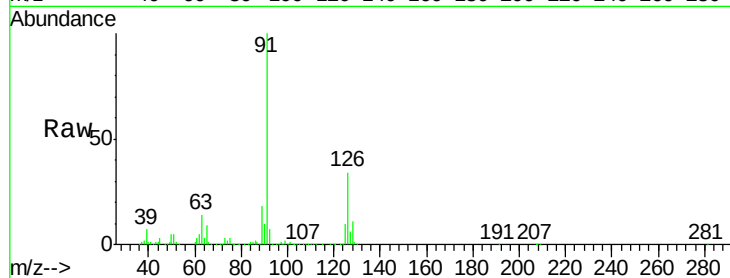
VN0625WBS02

Tot Ion: 91 Resp: 1022979

Ion Ratio Lower Upper

91 100

126 34.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049532.D

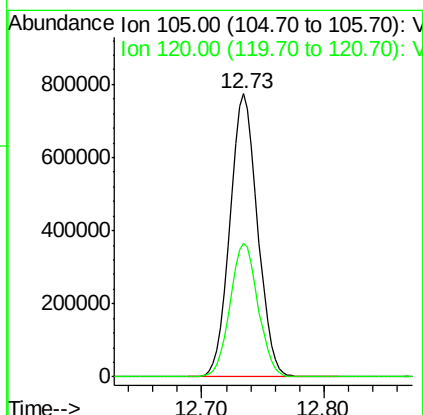
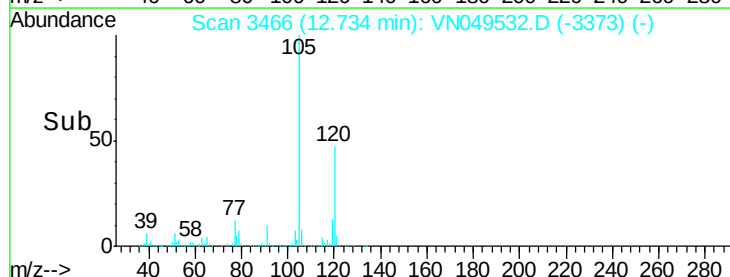
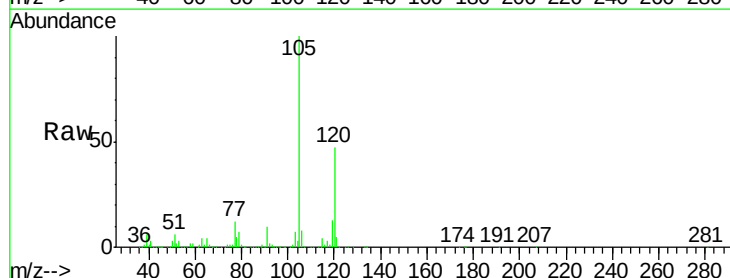
Acq: 26 Jun 2018 1:20

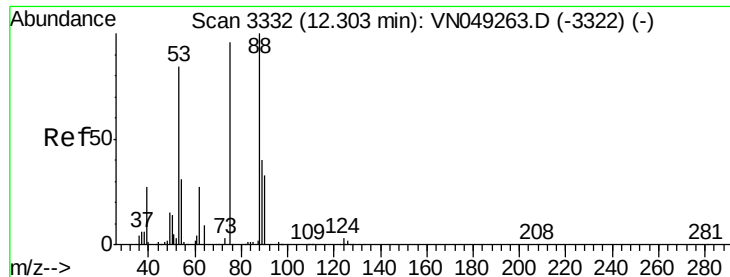
Tgt Ion: 105 Resp: 1216618

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.00 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

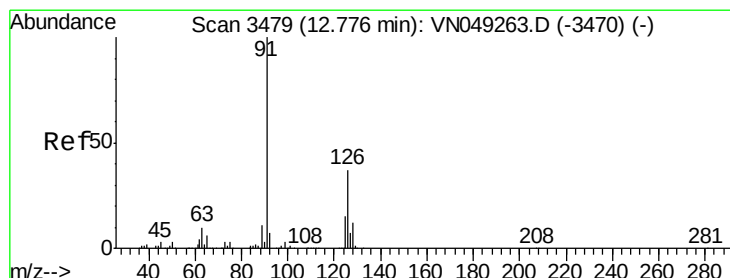
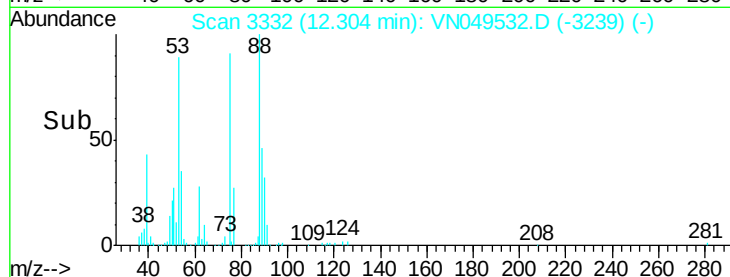
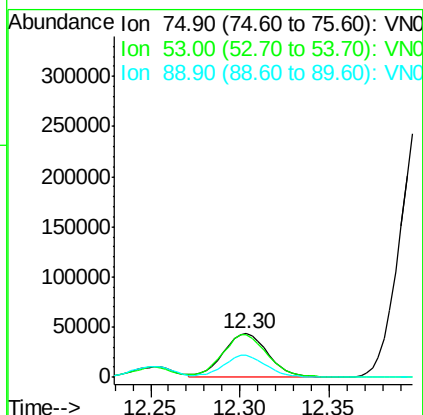
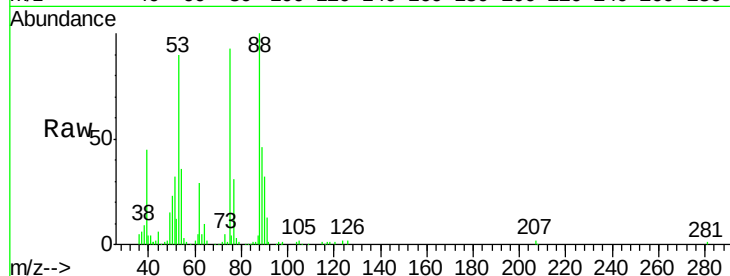
Tot Ion: 75 Resp: 75556

Ion Ratio Lower Upper

75 100

53 99.7 82.7 124.1

89 49.5 36.5 54.7



#82

4-Chlorotoluene

Concen: 19.34 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049532.D

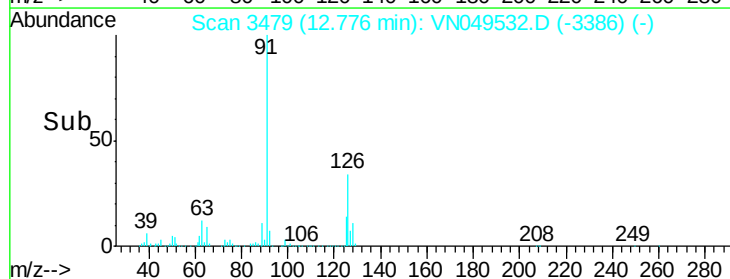
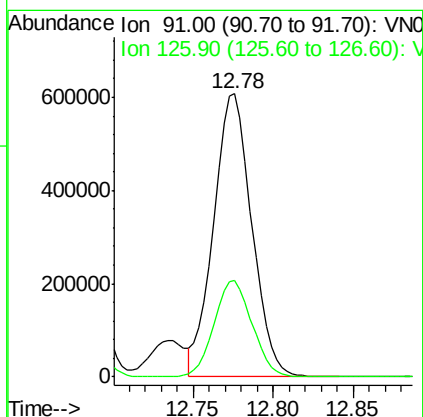
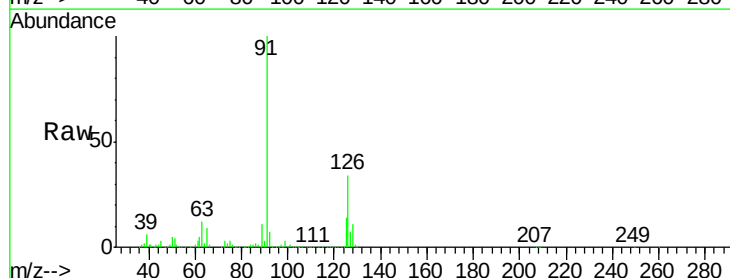
Acq: 26 Jun 2018 1:20

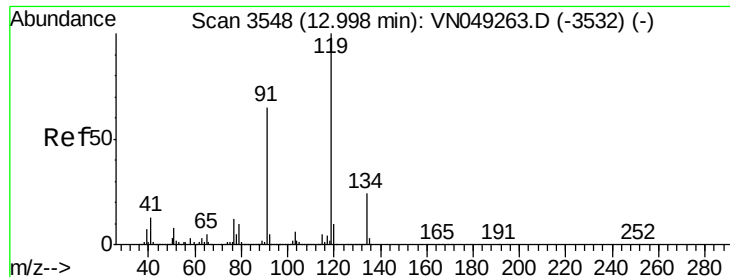
Tgt Ion: 91 Resp: 997140

Ion Ratio Lower Upper

91 100

126 33.7 16.4 49.1





#83

tert-Butylbenzene

Concen: 19.05 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

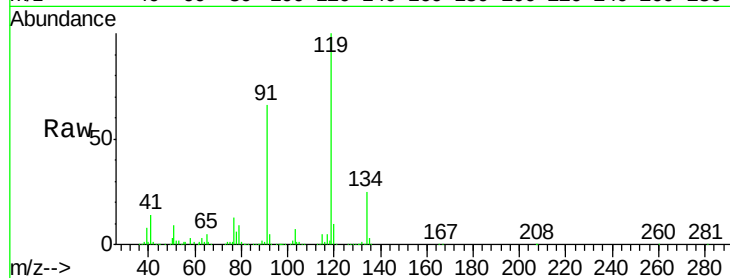
Tot Ion:119 Resp: 1018556

Ion Ratio Lower Upper

119 100

91 65.5 33.7 101.0

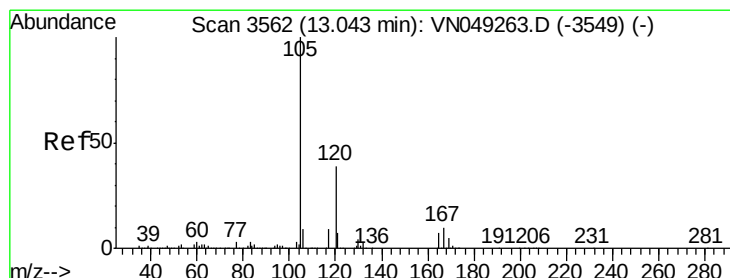
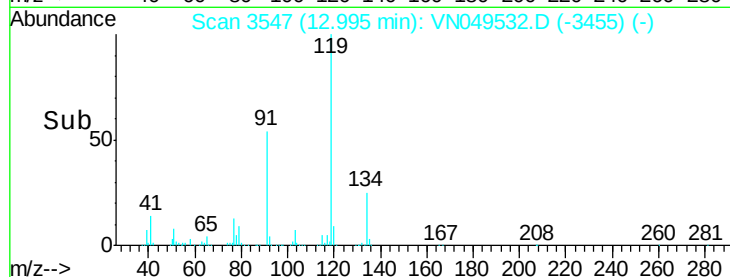
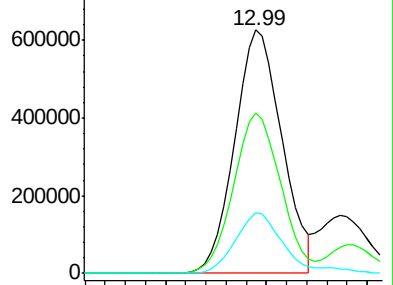
134 25.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.83 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049532.D

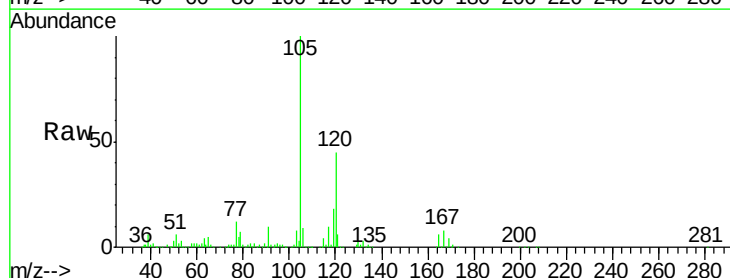
Acq: 26 Jun 2018 1:20

Tgt Ion:105 Resp: 1188936

Ion Ratio Lower Upper

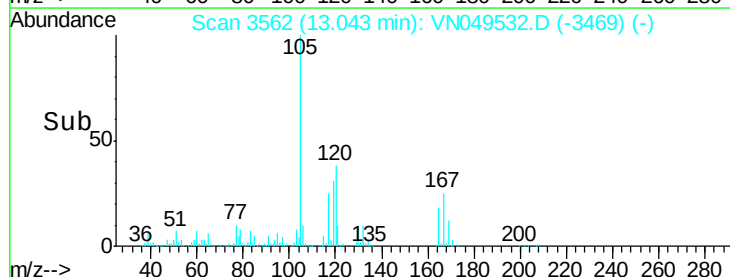
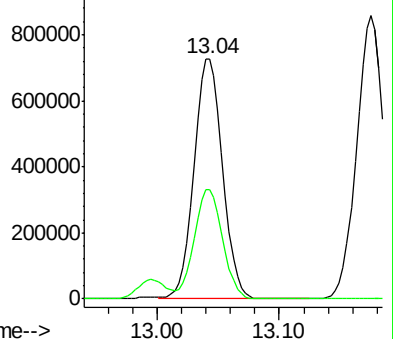
105 100

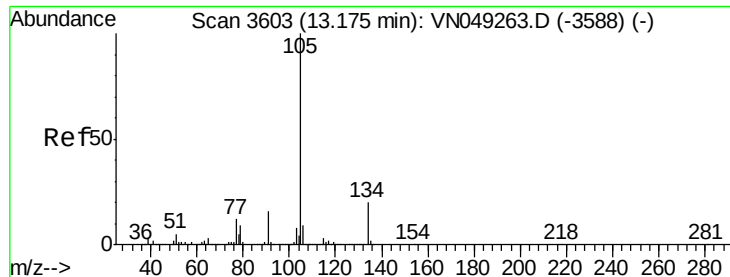
120 45.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.92 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

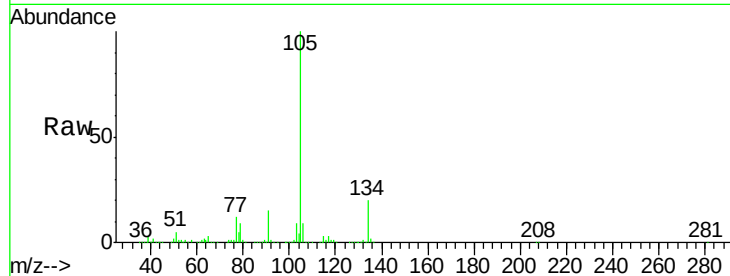
VN0625WBS02

Tot Ion:105 Resp: 1346618

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

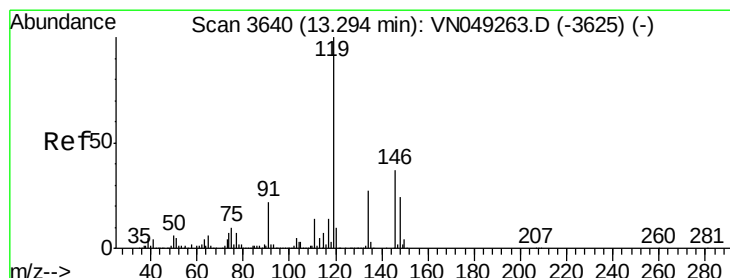
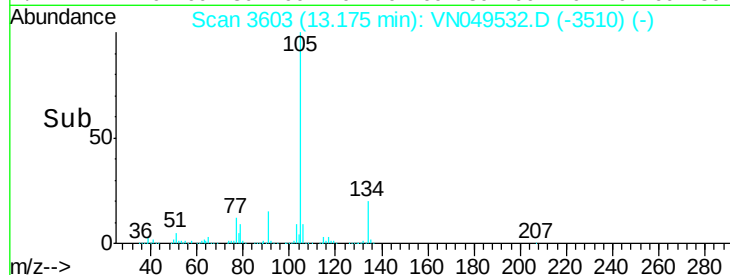
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.82 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

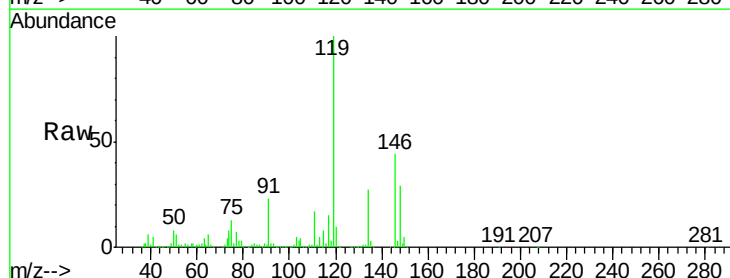
Tgt Ion:119 Resp: 1118978

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.6

91 22.9 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

1000000

800000

600000

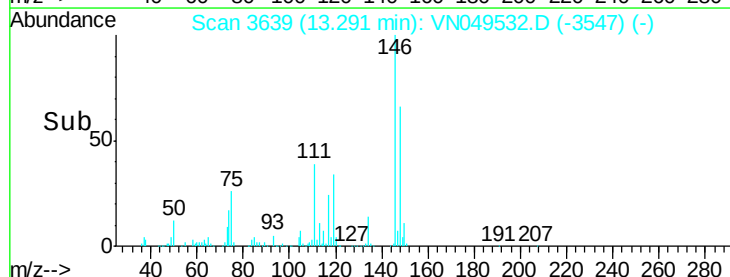
400000

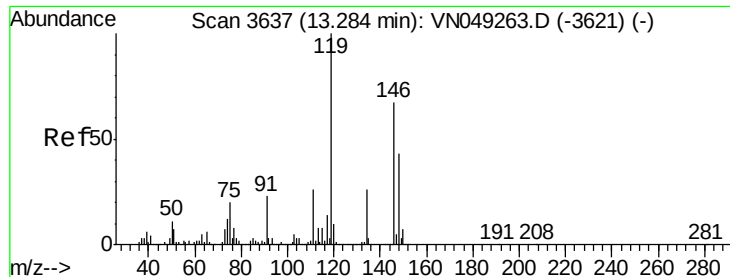
200000

0

13.25 13.30 13.35

Time-->

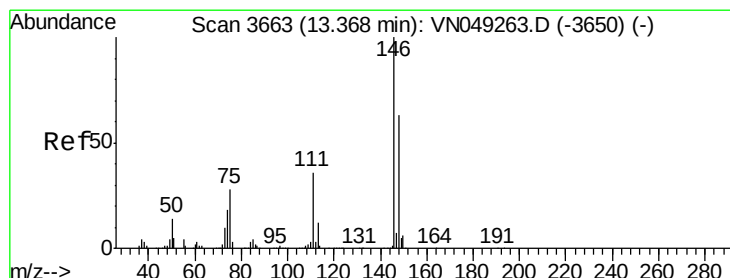
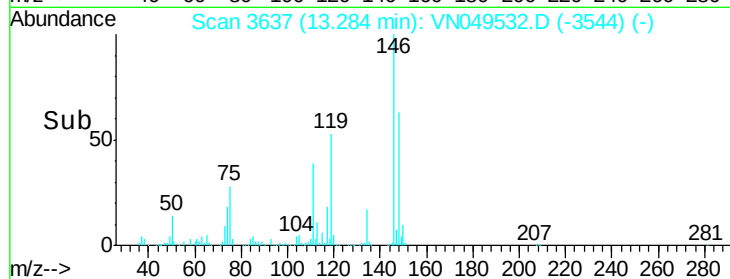
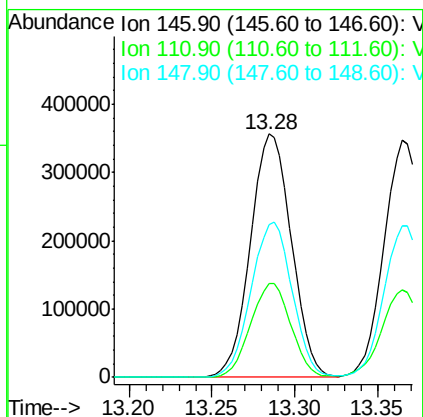
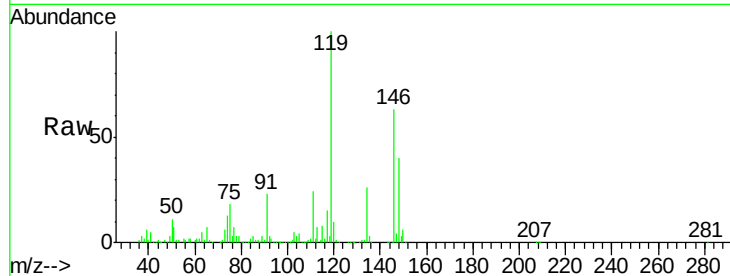




#87
 1,3-Dichlorobenzene
 Concen: 18.34 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

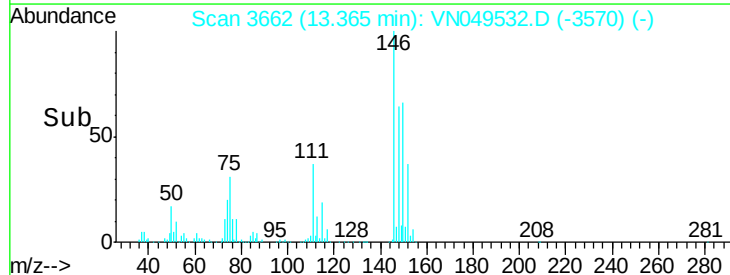
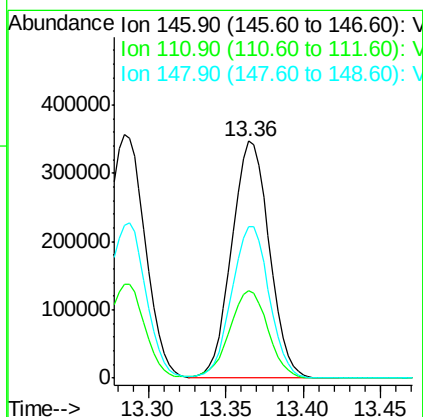
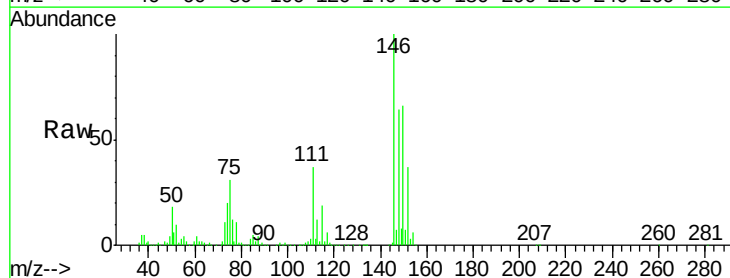
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

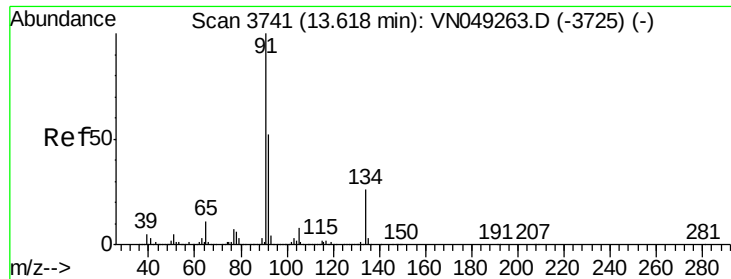
Tot Ion:146 Resp: 611996
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.9 59.6
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 17.71 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion:146 Resp: 585714
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.1 32.0 96.2

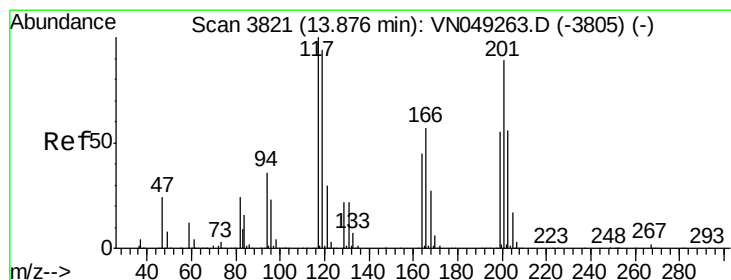
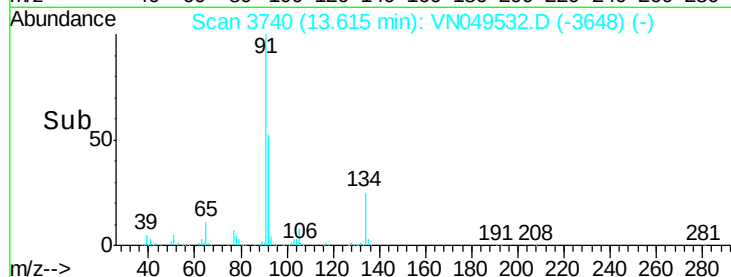
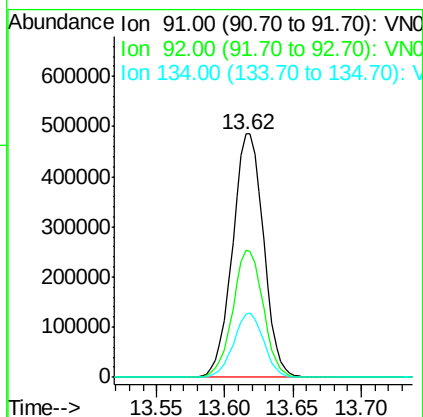
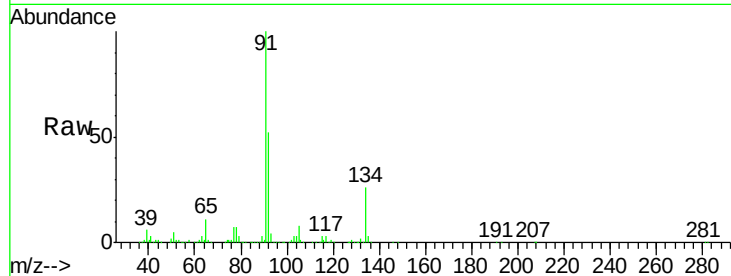




#89
n-Butylbenzene
Concen: 16.45 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

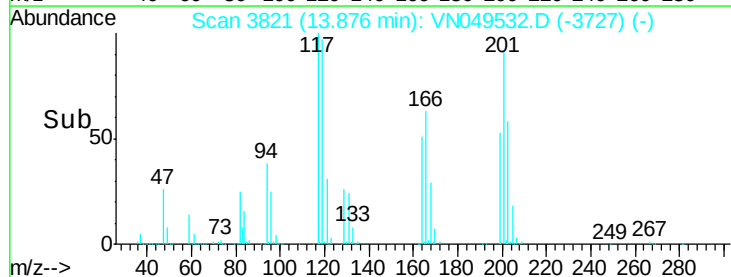
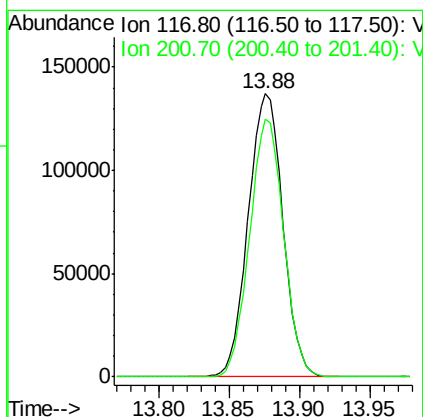
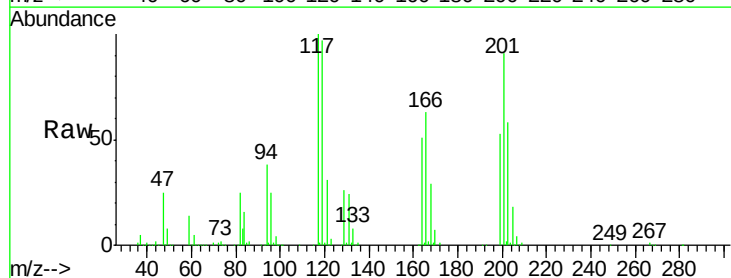
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

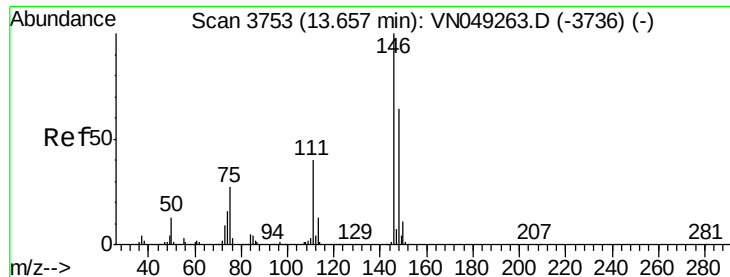
Tot Ion: 91 Resp: 764248
Ion Ratio Lower Upper
91 100
92 51.2 25.1 75.4
134 25.6 12.0 36.0



#90
Hexachloroethane
Concen: 19.95 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 117 Resp: 235974
Ion Ratio Lower Upper
117 100
201 89.4 40.1 120.2

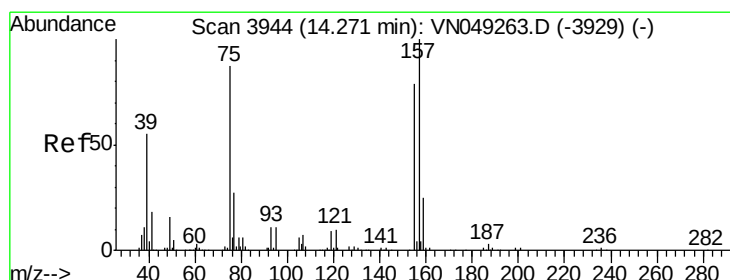
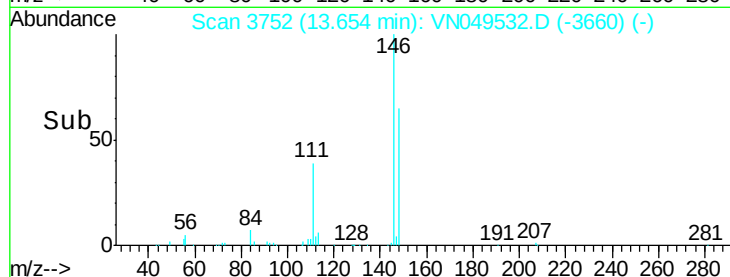
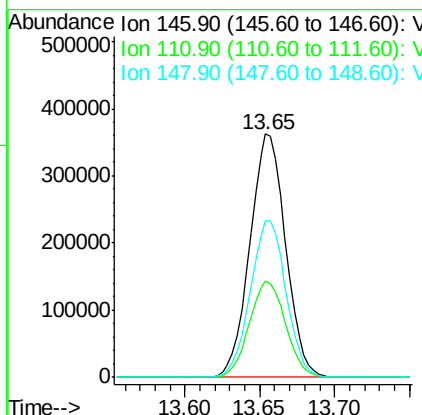
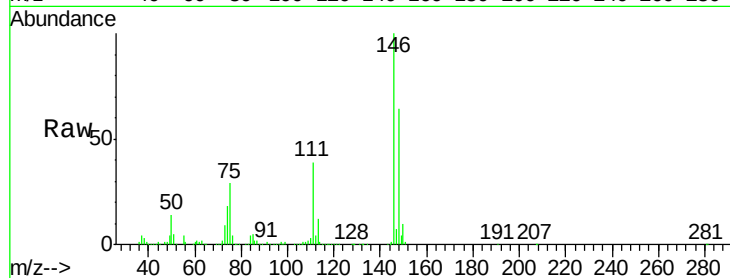




#91
 1,2-Dichlorobenzene
 Concen: 18.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

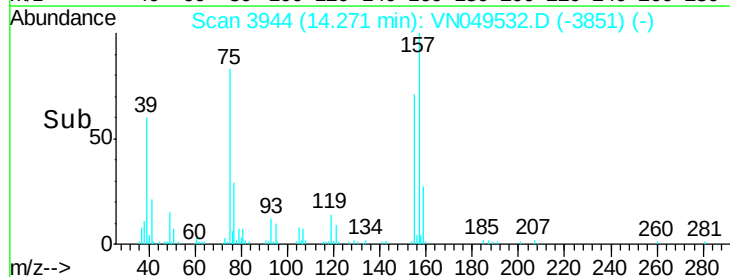
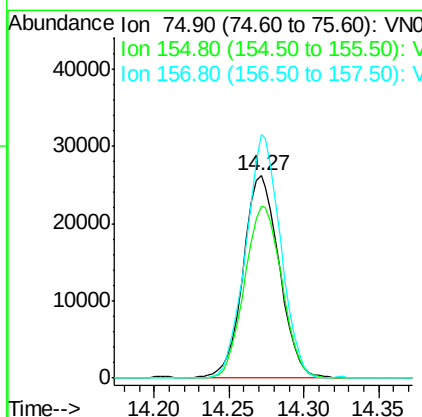
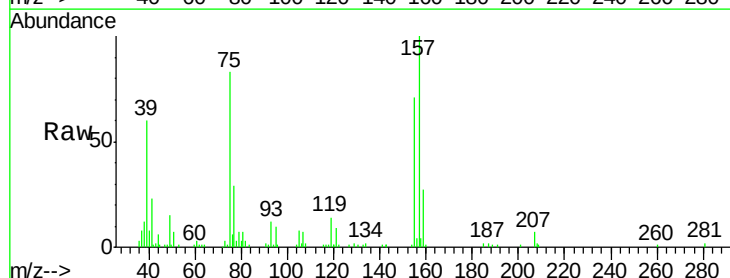
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

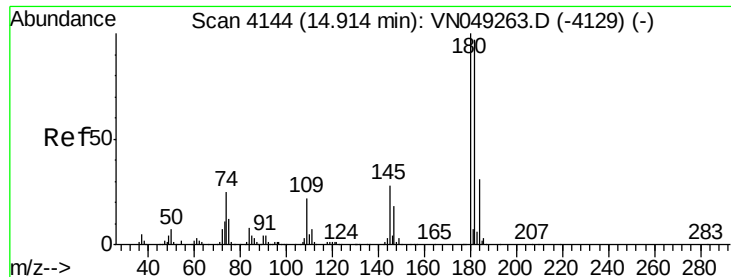
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.50 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	38.8	116.3
157	115.2	51.0	153.1

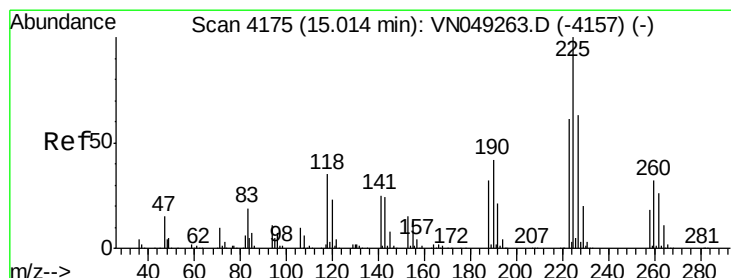
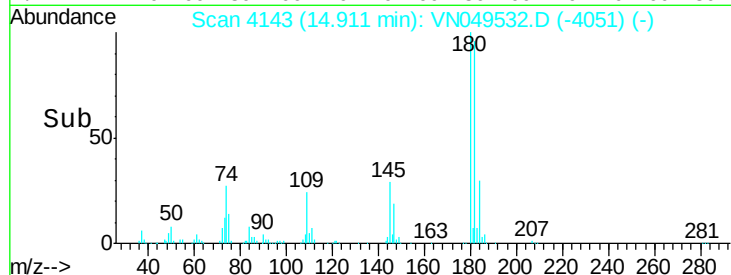
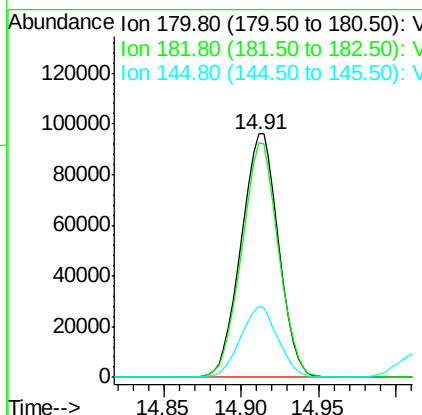
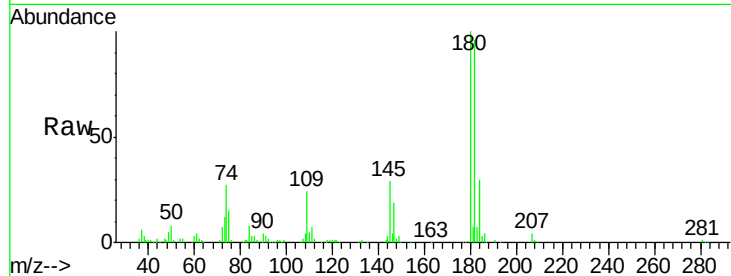




#93
 1,2,4-Trichlorobenzene
 Concen: 14.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

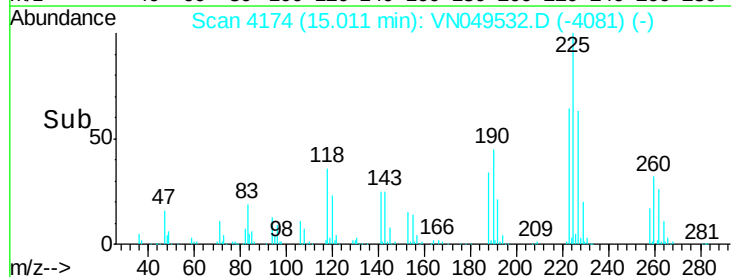
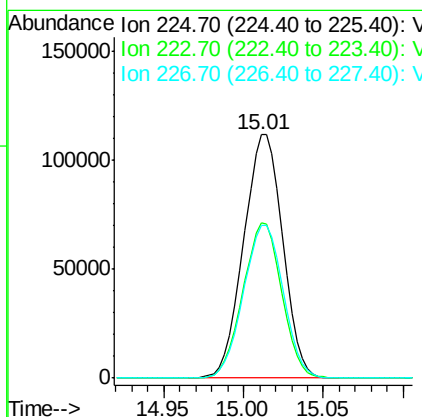
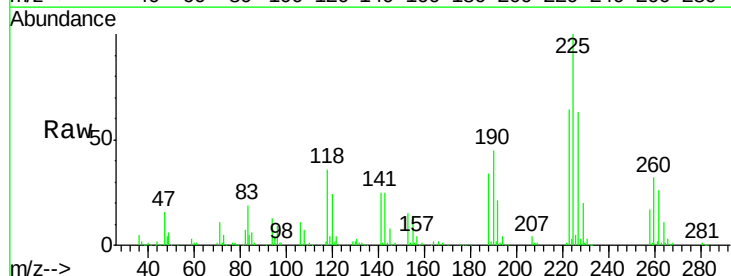
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

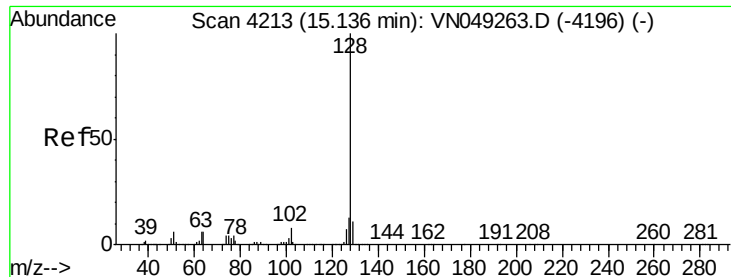
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.8
145	29.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 17.81 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	63.8	31.8	95.3





#95

Naphthalene

Concen: 14.87 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

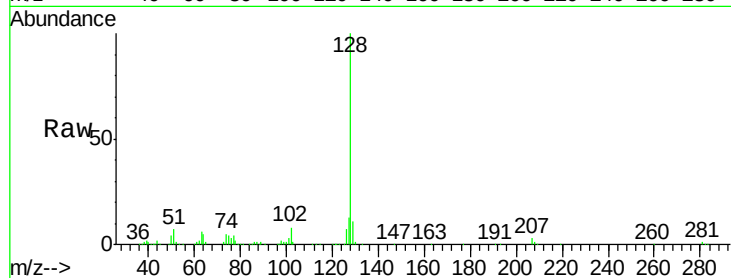
Tot Ion:128 Resp: 321645

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

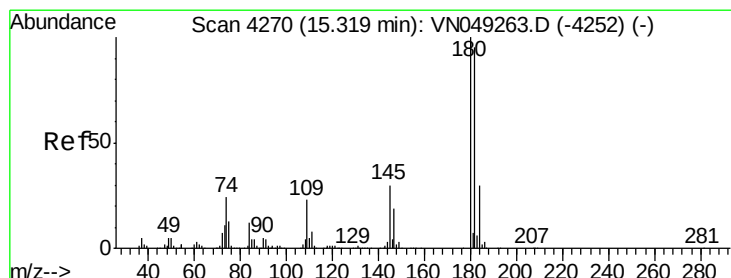
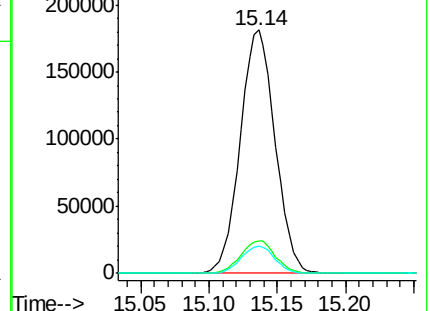
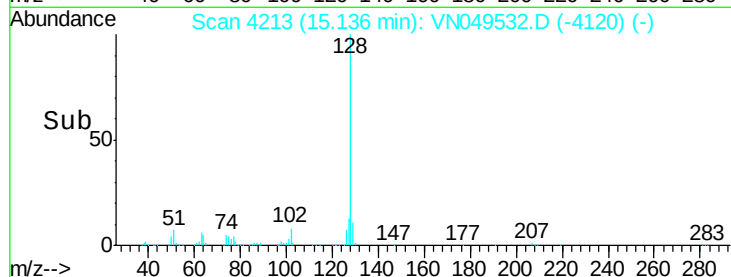
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.33 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

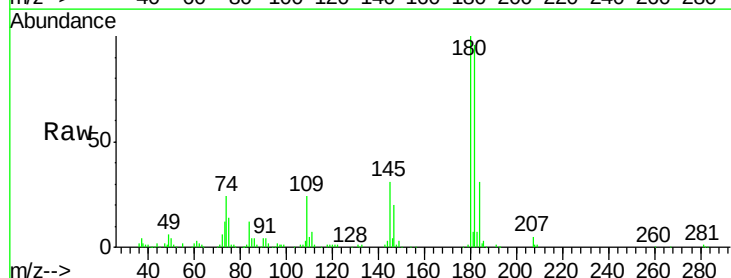
Tgt Ion:180 Resp: 187075

Ion Ratio Lower Upper

180 100

182 95.9 47.3 141.8

145 30.4 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

