

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049341.D
 Acq On : 18 Jun 2018 14:21
 Operator : MD\SY
 Sample : VN0618WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:30:30 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	1674717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2540609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2286247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1082447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1150869	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	1022932	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	3880173	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	1271063	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	352391	18.28	ug/l	99
3) Chloromethane	2.06	50	447988	18.00	ug/l	95
4) Vinyl Chloride	2.18	62	496834	18.78	ug/l	100
5) Bromomethane	2.56	94	200456	14.41	ug/l	92
6) Chloroethane	2.70	64	321707	20.40	ug/l	100
7) Trichlorofluoromethane	3.01	101	652514	19.77	ug/l	98
8) Diethyl Ether	3.41	74	245161	21.28	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	416992	19.92	ug/l	94
10) Methyl Iodide	3.95	142	329010	15.10	ug/l	91
11) Tert butyl alcohol	4.80	59	155264	119.09	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	387733	20.19	ug/l	89
13) Acrolein	3.61	56	106878	78.17	ug/l	99
14) Allyl chloride	4.32	41	641071	21.14	ug/l	89
15) Acrylonitrile	4.99	53	720976	110.60	ug/l	98
16) Acetone	3.82	43	592285	109.82	ug/l	92
17) Carbon Disulfide	4.05	76	1083327	18.00	ug/l	98
18) Methyl Acetate	4.33	43	370873	22.55	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1114069	22.76	ug/l	99
20) Methylene Chloride	4.55	84	448920	19.93	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	409847	20.16	ug/l	93
22) Diisopropyl ether	5.96	45	1346873	22.25	ug/l	95
23) Vinyl Acetate	5.90	43	4396437	111.38	ug/l	96
24) 1,1-Dichloroethane	5.85	63	797937	20.59	ug/l	100
25) 2-Butanone	6.84	43	816630	112.77	ug/l	96
26) 2,2-Dichloropropane	6.83	77	654416	20.91	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	476970	21.10	ug/l	92
28) Bromochloromethane	7.20	49	358355	20.86	ug/l #	83
29) Tetrahydrofuran	7.22	42	533060	114.35	ug/l	94
30) Chloroform	7.37	83	800676	20.76	ug/l	100
31) Cyclohexane	7.65	56	680463	20.61	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	683686	20.78	ug/l	97
36) 1,1-Dichloropropene	7.79	75	592883	20.36	ug/l	98
37) Ethyl Acetate	6.93	43	365424	23.08	ug/l	96
38) Carbon Tetrachloride	7.77	117	596279	19.78	ug/l	98

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:30:30 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	615720	19.70	ug/l	96
40) Benzene	8.04	78	1817748	20.36	ug/l	98
41) Methacrylonitrile	7.18	41	199096	23.27	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	567881	20.59	ug/l	96
43) Isopropyl Acetate	8.17	43	693987	22.95	ug/l	97
44) Trichloroethene	8.84	130	484136	20.54	ug/l	94
45) 1,2-Dichloropropane	9.12	63	481580	20.60	ug/l	100
46) Dibromomethane	9.21	93	280336	20.68	ug/l	92
47) Bromodichloromethane	9.40	83	608364	20.43	ug/l	95
48) Methyl methacrylate	9.20	41	323683	22.73	ug/l	88
49) 1,4-Dioxane	9.20	88	87447	444.86	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1809624	114.16	ug/l	94
52) Toluene	10.16	92	1104973	21.09	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	587767	20.63	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	699702	20.80	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	407035	20.84	ug/l	98
56) Ethyl methacrylate	10.43	69	500404	22.21	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	674513	20.85	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	676130	93.45	ug/l	94
59) 2-Hexanone	10.75	43	1166546	114.15	ug/l	94
60) Dibromochloromethane	10.90	129	452653	20.76	ug/l	98
61) 1,2-Dibromoethane	11.01	107	384795	21.19	ug/l	99
64) Tetrachloroethene	10.63	164	501398	21.40	ug/l	97
65) Chlorobenzene	11.44	112	1198796	20.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	450440	20.32	ug/l	99
67) Ethyl Benzene	11.51	91	2050584	20.99	ug/l	97
68) m/p-Xylenes	11.62	106	1573585	42.92	ug/l	95
69) o-Xylene	11.95	106	770690	21.83	ug/l	93
70) Styrene	11.97	104	1200028	21.54	ug/l	98
71) Bromoform	12.13	173	297016	20.70	ug/l #	100
73) Isopropylbenzene	12.25	105	2012154	21.17	ug/l	97
74) N-amyl acetate	12.07	43	515162	22.13	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	474350	23.05	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	591462	32.02	ug/l #	100
77) Bromobenzene	12.53	156	527084	21.00	ug/l	87
78) n-propylbenzene	12.59	91	2237227	21.44	ug/l	98
79) 2-Chlorotoluene	12.68	91	1360550	20.58	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1609360	21.54	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	122276	20.92	ug/l	93
82) 4-Chlorotoluene	12.78	91	1337632	20.97	ug/l	97
83) tert-Butylbenzene	13.00	119	1406889	21.26	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1607131	21.66	ug/l	98
85) sec-Butylbenzene	13.17	105	1836688	20.85	ug/l	99
86) p-Isopropyltoluene	13.29	119	1549352	21.05	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	838707	20.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	813202	19.87	ug/l	100
89) n-Butylbenzene	13.62	91	1166828	20.30	ug/l	96
90) Hexachloroethane	13.88	117	302888	20.75	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	828143	20.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66749	20.17	ug/l	81

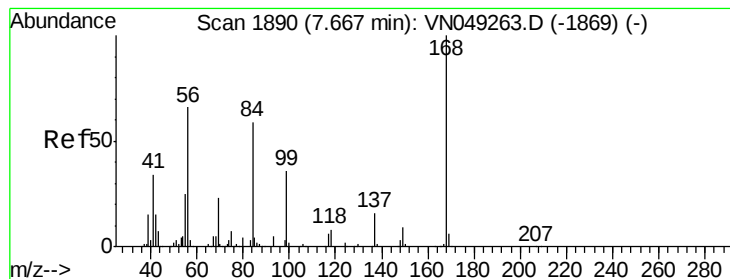
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	305019	19.61	ug/l	99
94) Hexachlorobutadiene	15.01	225	265768	20.85	ug/l	98
95) Naphthalene	15.14	128	682238	23.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	336324	20.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

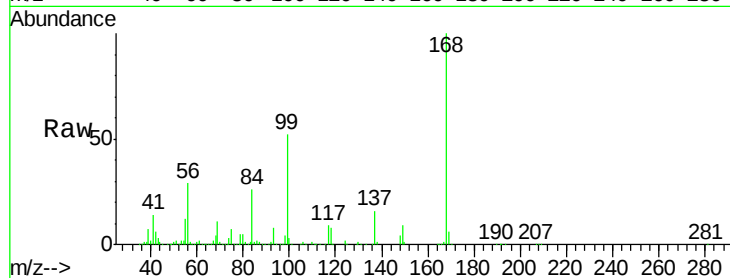
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1674717

Ion Ratio Lower Upper

168 100

99 51.4 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

800000

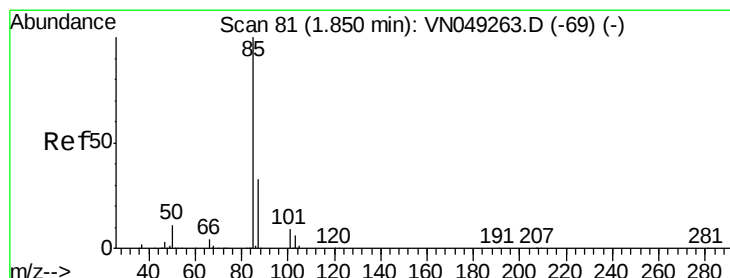
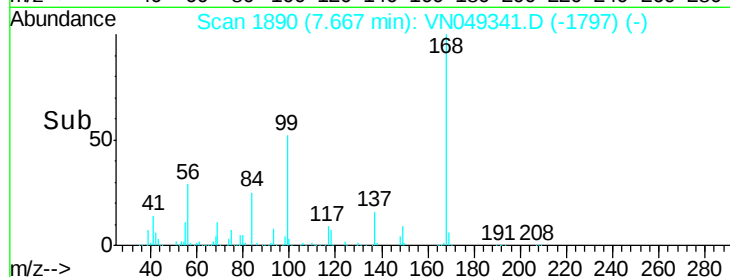
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.28 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049341.D

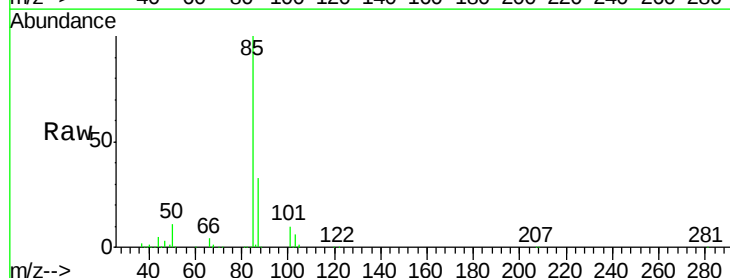
Acq: 18 Jun 2018 14:21

Tgt Ion: 85 Resp: 352391

Ion Ratio Lower Upper

85 100

87 32.7 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

300000

250000

200000

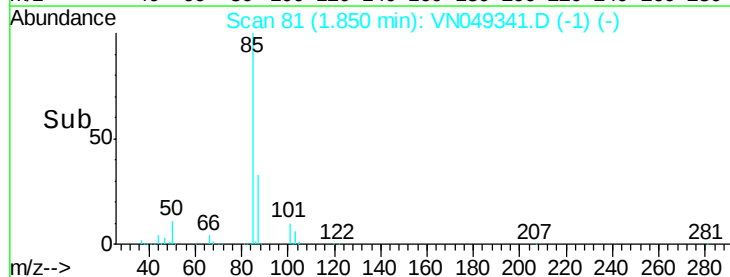
150000

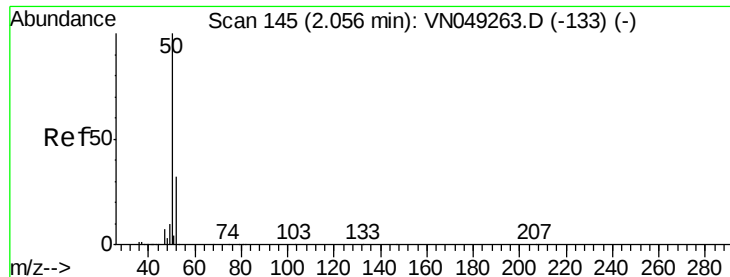
100000

50000

0

Time-->





#3

Chloromethane

Concen: 18.00 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

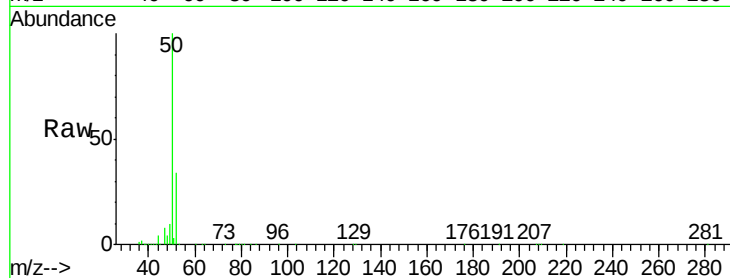
ClientSampleId :

Tot Ion: 50 Resp: 447988

Ion Ratio Lower Upper

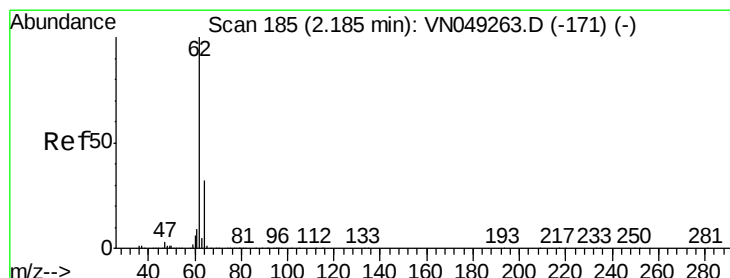
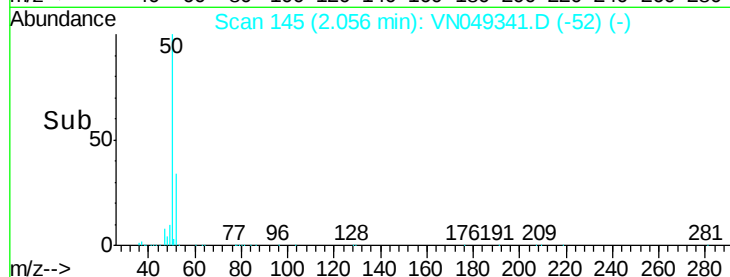
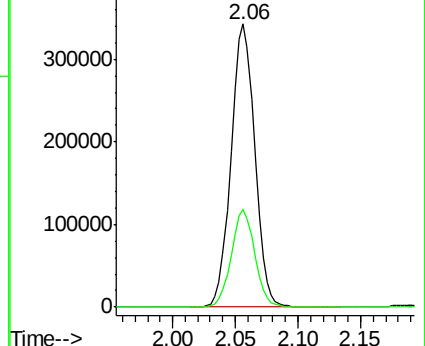
50 100

52 34.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049341.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049341.D (-133) (-)



#4

Vinyl Chloride

Concen: 18.78 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049341.D

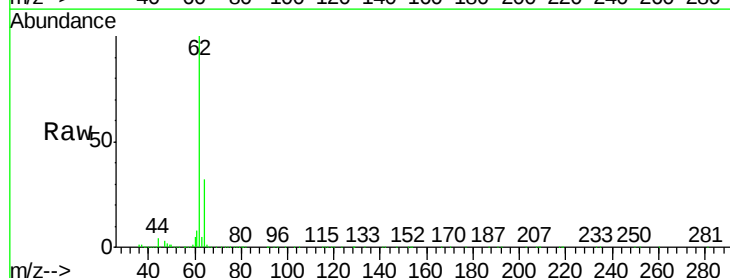
Acq: 18 Jun 2018 14:21

Tgt Ion: 62 Resp: 496834

Ion Ratio Lower Upper

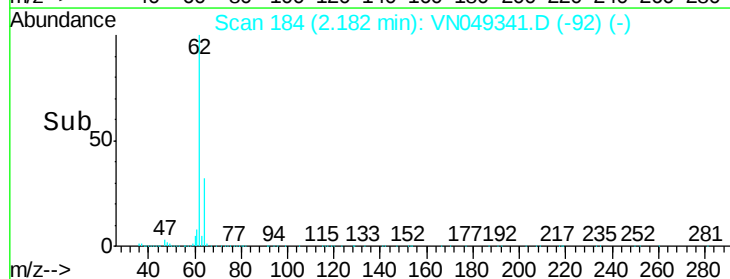
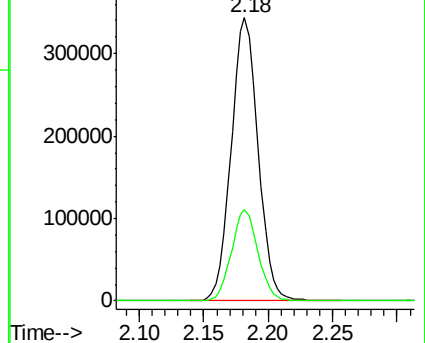
62 100

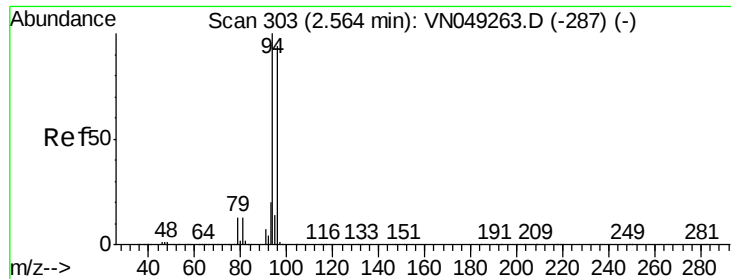
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049341.D (-171) (-)

Ion 63.90 (63.60 to 64.60): VN049341.D (-171) (-)





#5

Bromomethane

Concen: 14.41 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

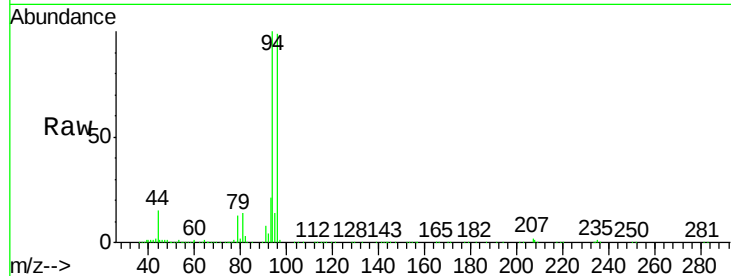
ClientSampleId :

Tot Ion: 94 Resp: 200456

Ion Ratio Lower Upper

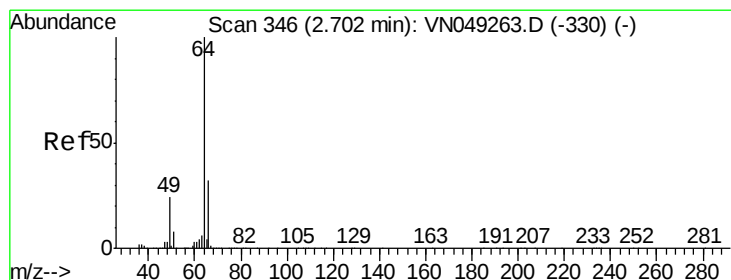
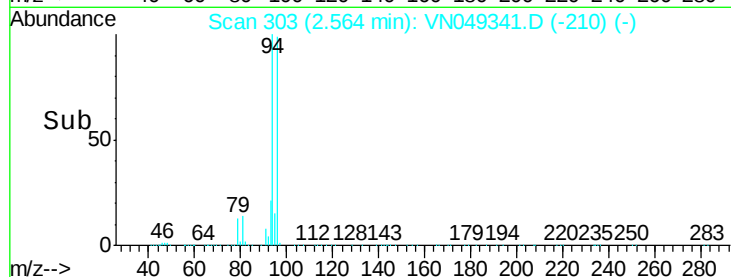
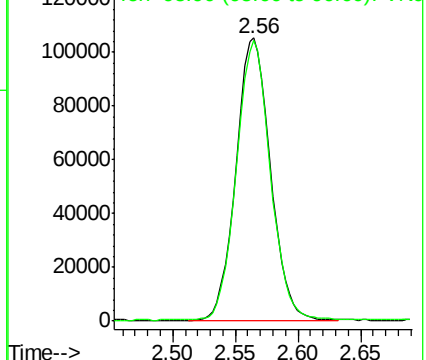
94 100

96 98.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.40 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049341.D

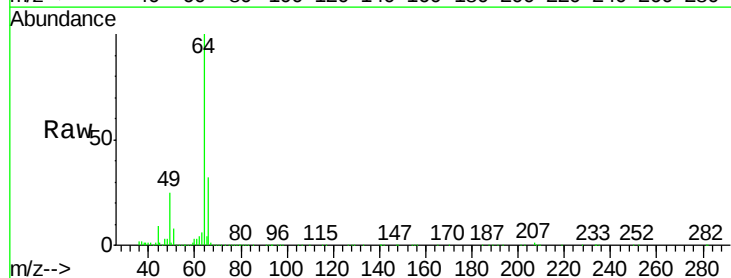
Acq: 18 Jun 2018 14:21

Tgt Ion: 64 Resp: 321707

Ion Ratio Lower Upper

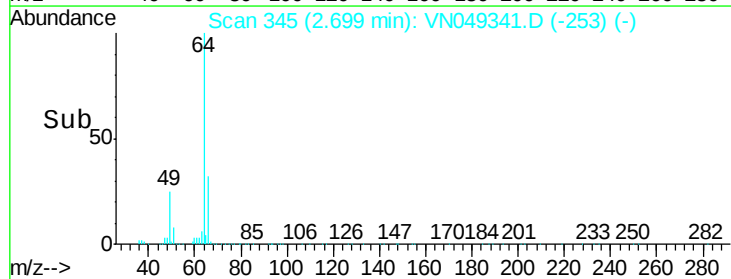
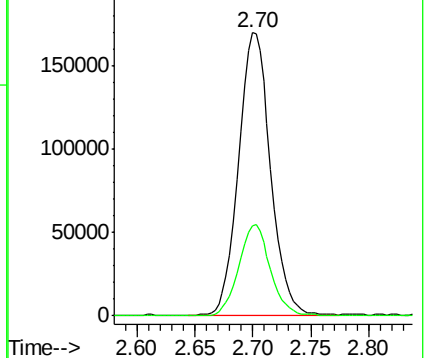
64 100

66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.77 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

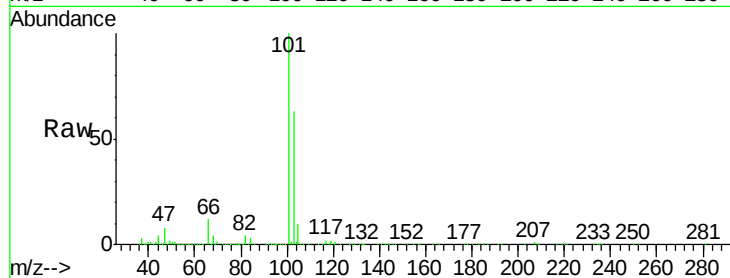
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 652514

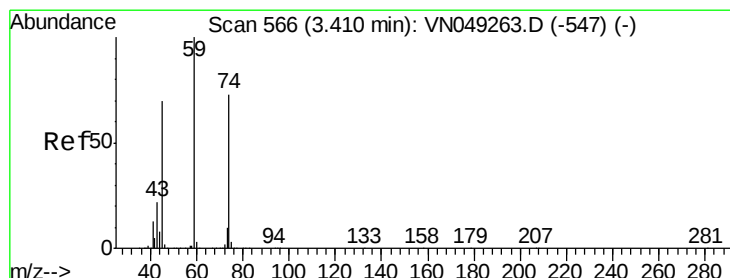
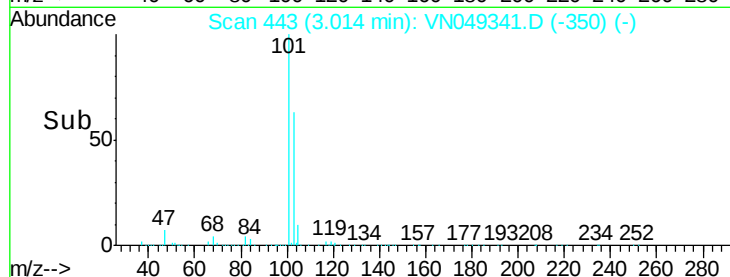
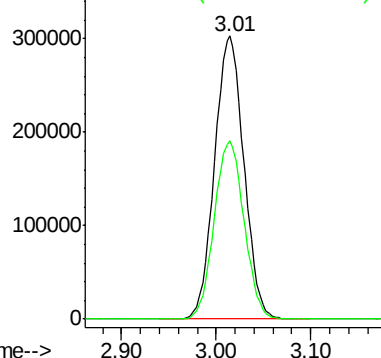
Ion Ratio Lower Upper

101 100

103 62.8 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.28 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049341.D

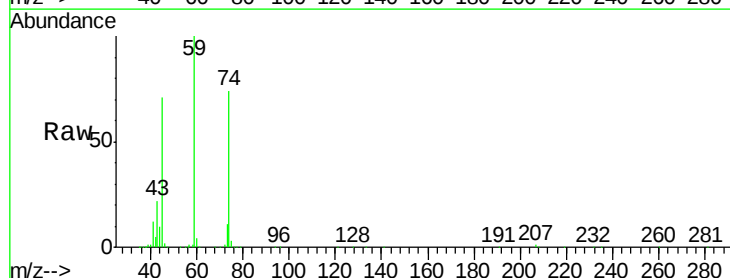
Acq: 18 Jun 2018 14:21

Tgt Ion: 74 Resp: 245161

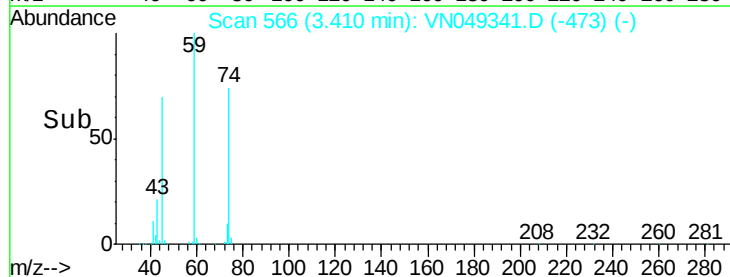
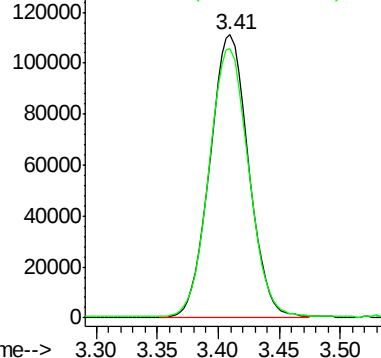
Ion Ratio Lower Upper

74 100

45 96.2 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.92 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

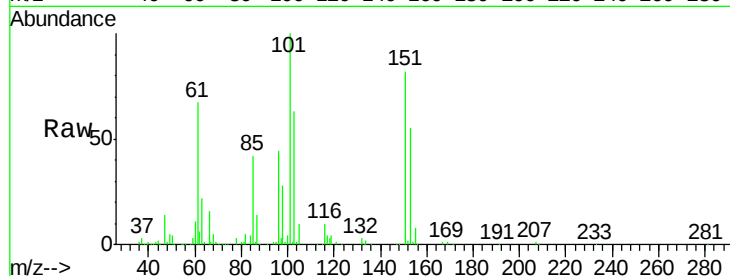
Tot Ion:101 Resp: 416992

Ion Ratio Lower Upper

101 100

85 43.3 37.6 56.4

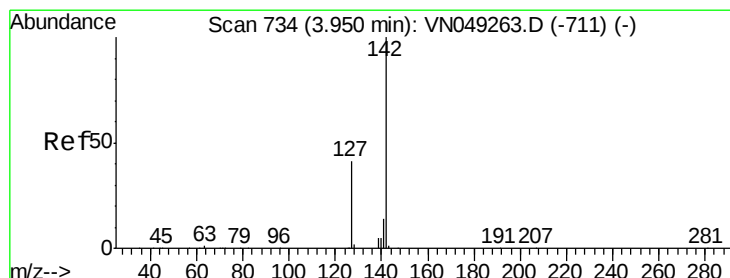
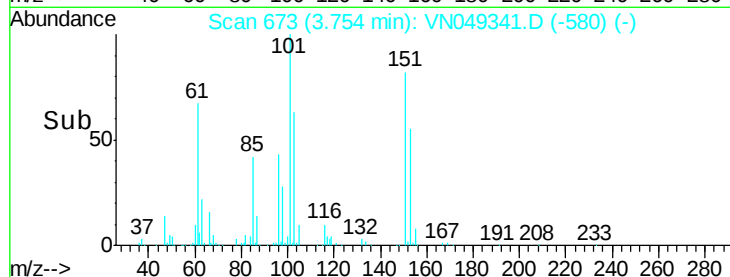
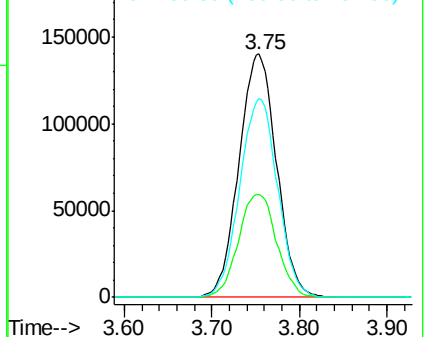
151 82.4 61.1 91.7



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: 15.10 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

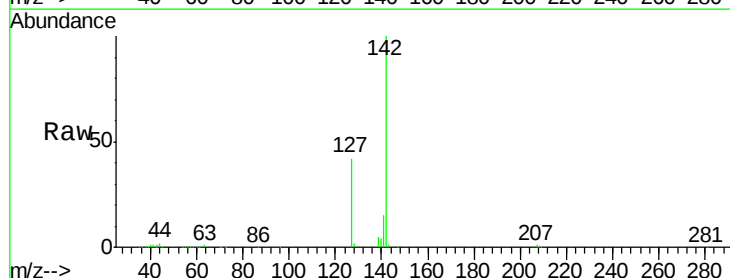
Tgt Ion:142 Resp: 329010

Ion Ratio Lower Upper

142 100

127 40.2 38.2 57.4

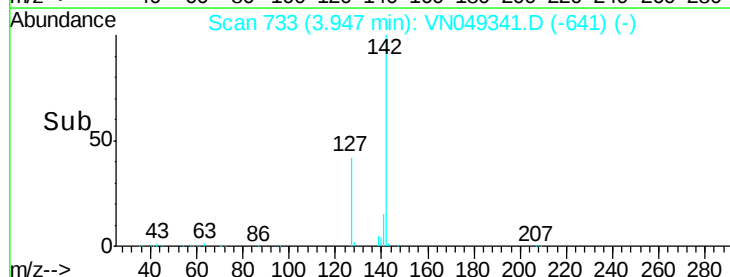
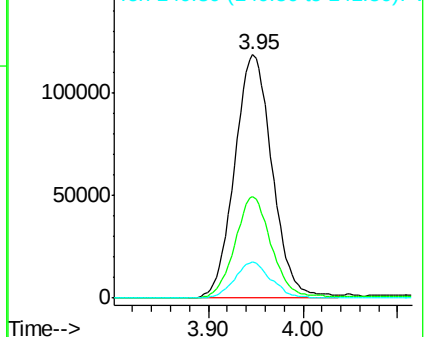
141 14.3 11.9 17.9

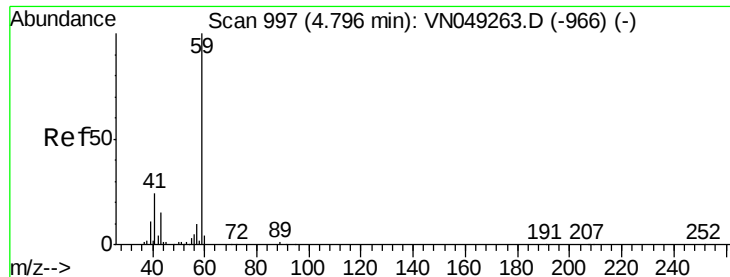


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



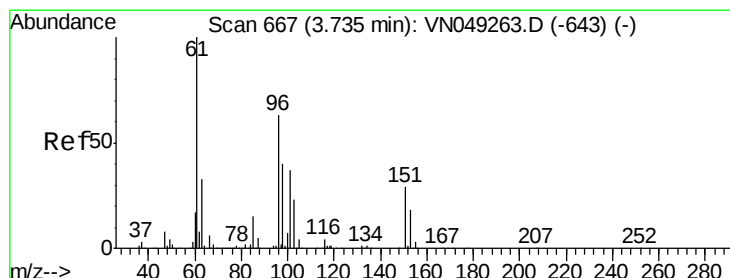
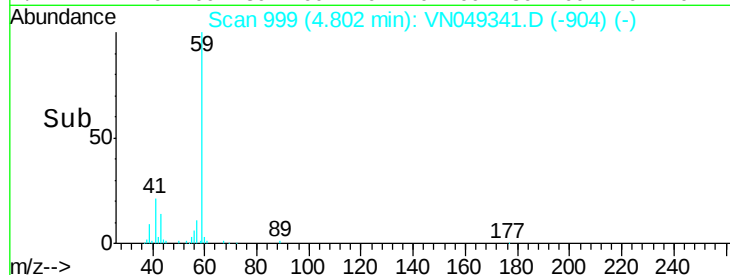
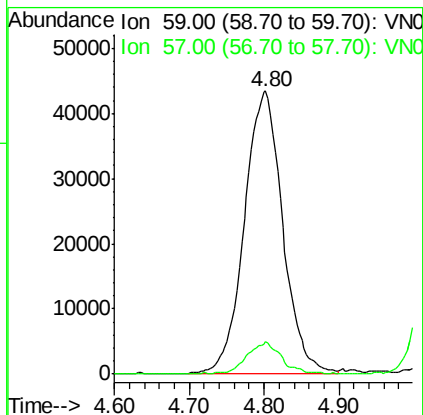
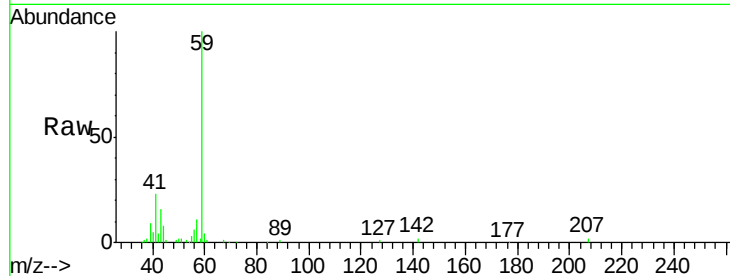


#11

Tert butyl alcohol
Concen: 119.09 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :

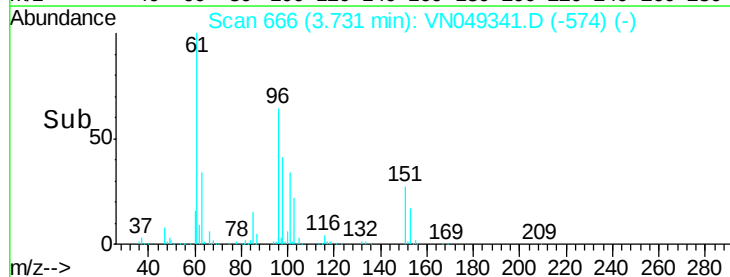
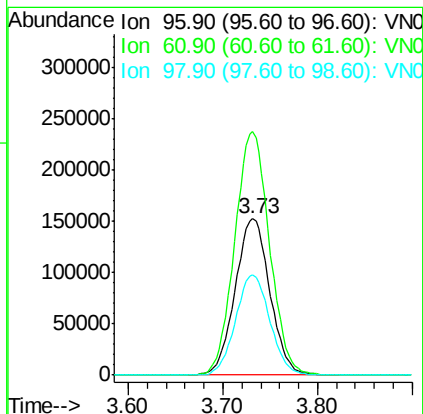
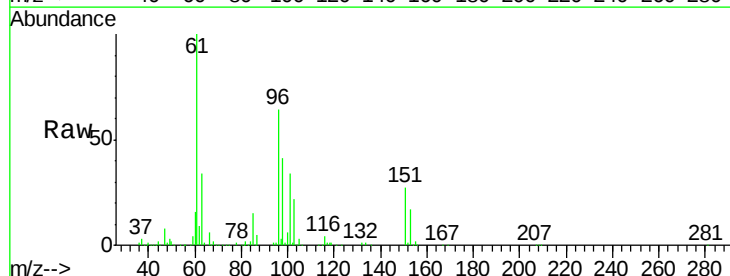
Tot Ion: 59 Resp: 155264
Ion Ratio Lower Upper
59 100
57 8.9 9.0 13.6#

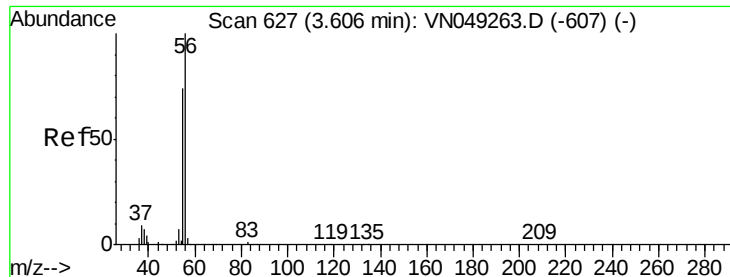


#12

1,1-Dichloroethene
Concen: 20.19 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 96 Resp: 387733
Ion Ratio Lower Upper
96 100
61 155.8 141.0 211.4
98 64.3 50.4 75.6





#13

Acrolein

Concen: 78.17 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

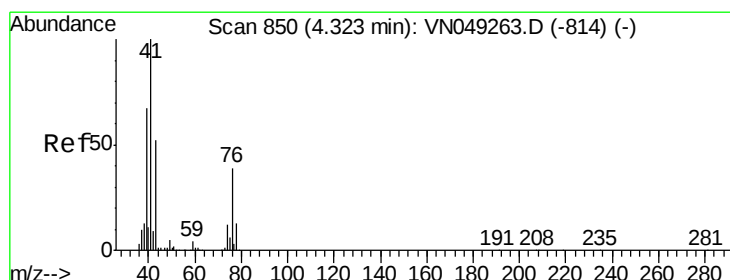
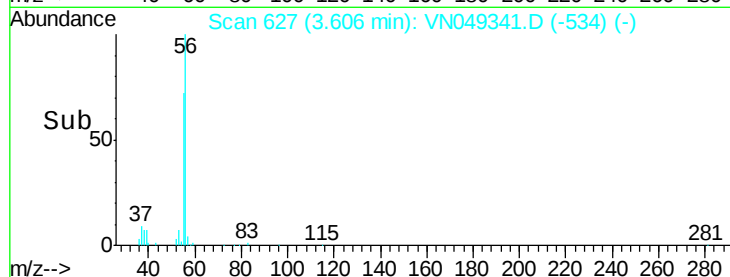
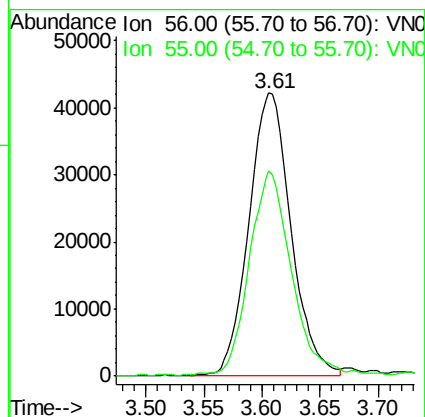
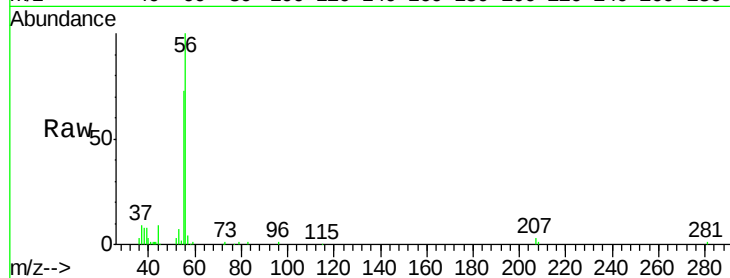
ClientSampleId :

Tot Ion: 56 Resp: 106878

Ion Ratio Lower Upper

56 100

55 72.4 57.1 85.7



#14

Allyl chloride

Concen: 21.14 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

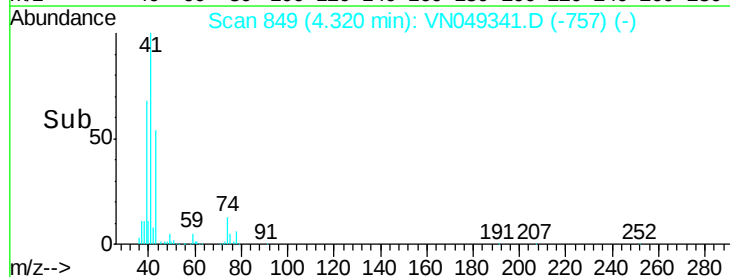
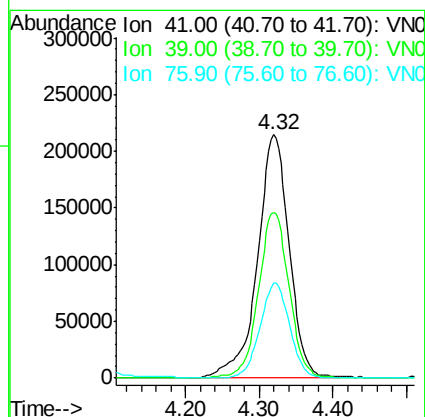
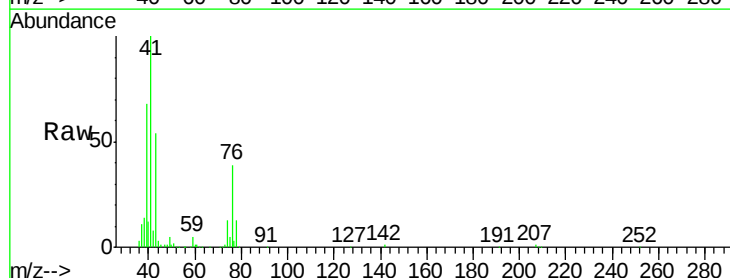
Tgt Ion: 41 Resp: 641071

Ion Ratio Lower Upper

41 100

39 66.1 62.5 93.7

76 35.9 27.1 40.7

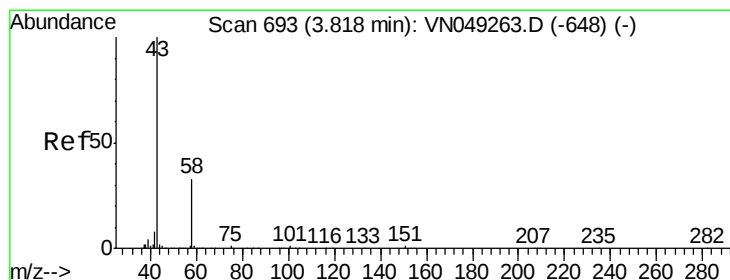
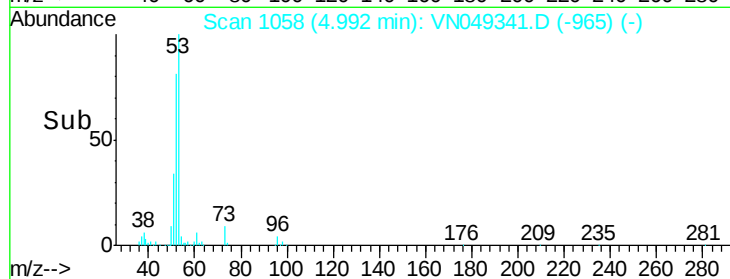
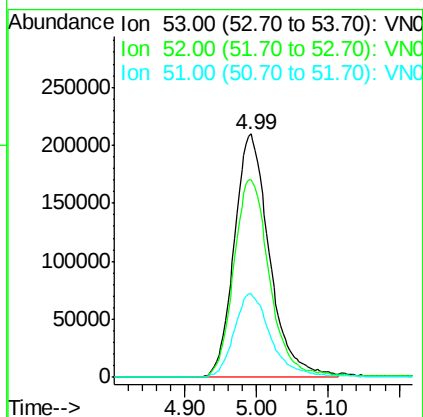
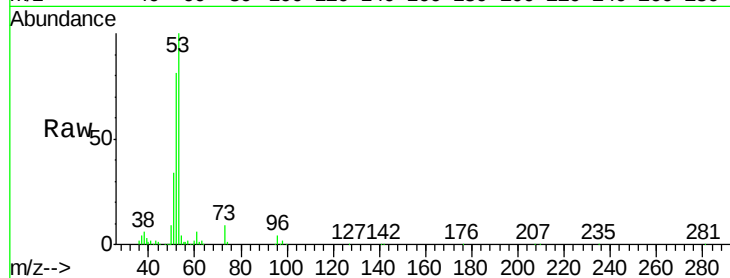




#15
 Acrylonitrile
 Concen: 110.60 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

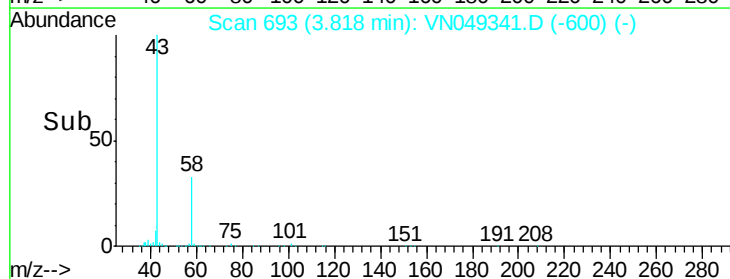
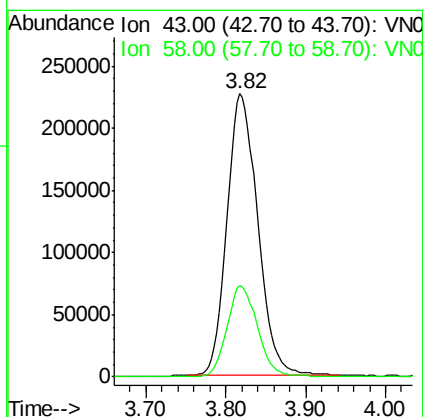
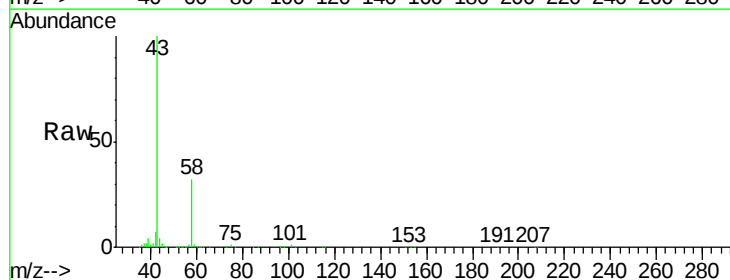
Instrument :
 MSVOA_N
 ClientSampled :

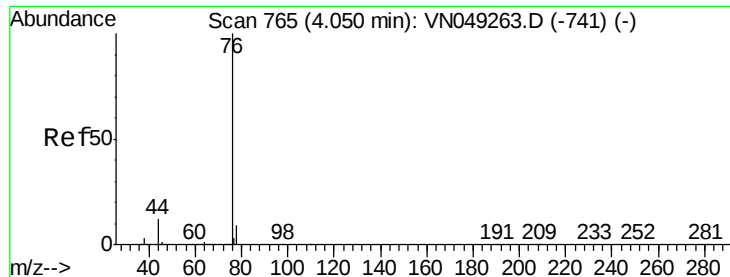
Tot Ion: 53 Resp: 720976
 Ion Ratio Lower Upper
 53 100
 52 81.8 66.6 100.0
 51 36.0 29.8 44.8



#16
 Acetone
 Concen: 109.82 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion: 43 Resp: 592285
 Ion Ratio Lower Upper
 43 100
 58 32.4 22.4 33.6





#17

Carbon Disulfide

Concen: 18.00 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

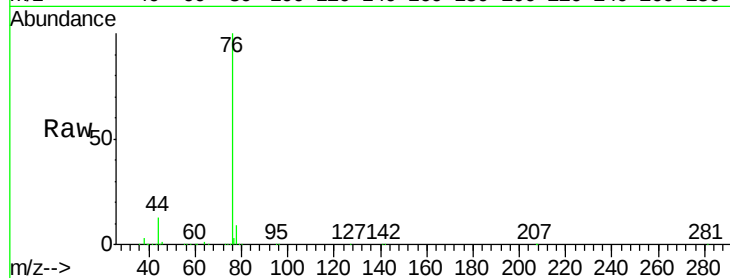
ClientSampleId :

Tot Ion: 76 Resp: 1083327

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



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

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

4.05

400000

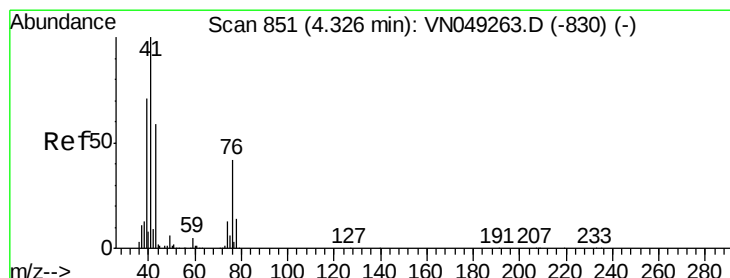
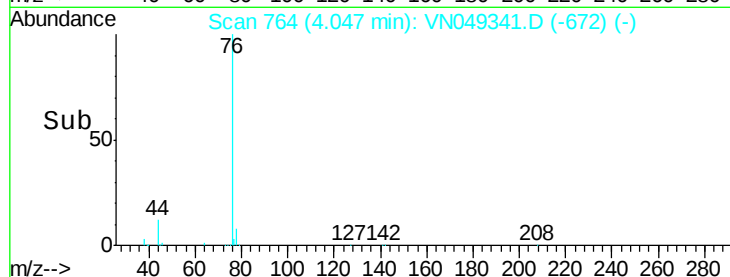
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 22.55 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049341.D

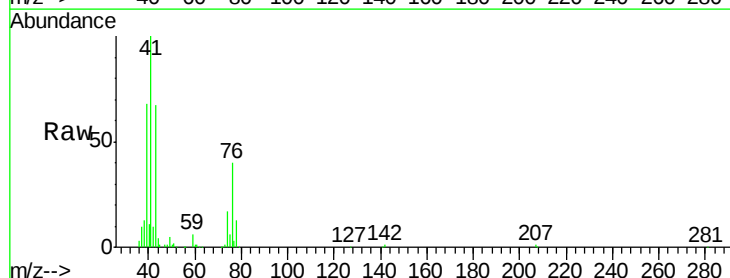
Acq: 18 Jun 2018 14:21

Tgt Ion: 43 Resp: 370873

Ion Ratio Lower Upper

43 100

74 24.1 17.4 26.0



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

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

4.33

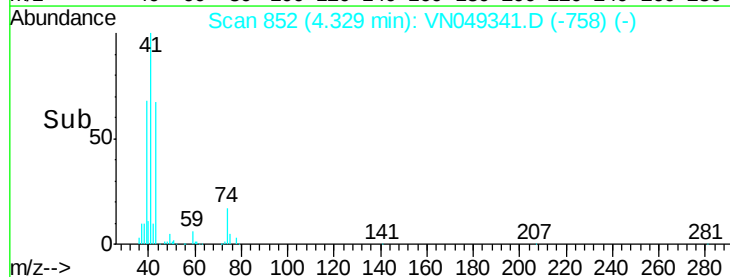
150000

100000

50000

0

Time-->



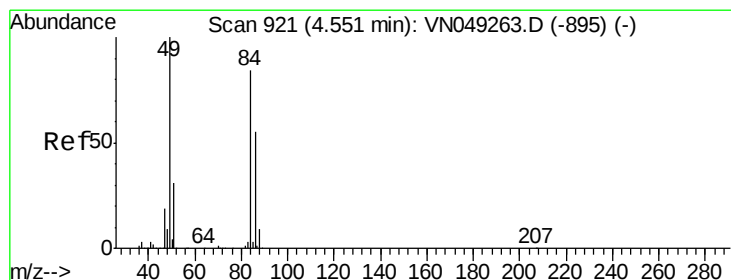
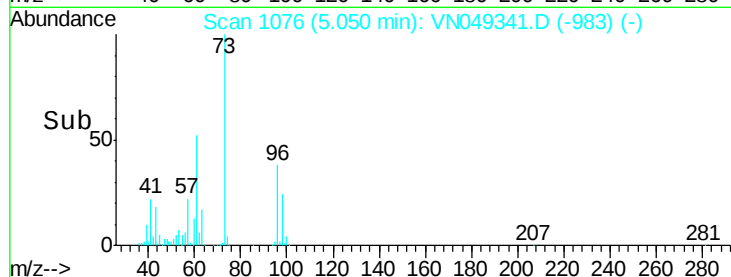
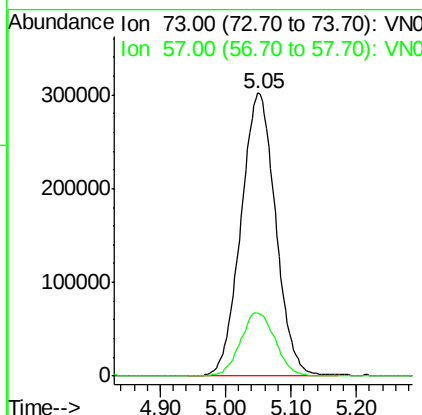
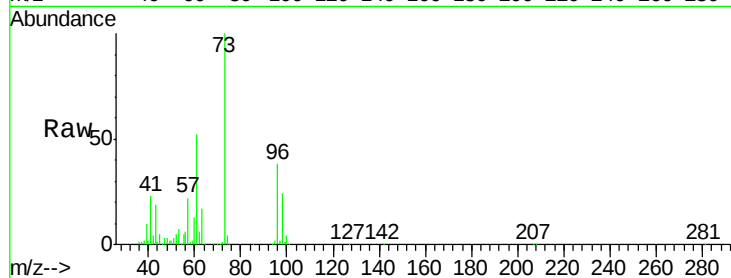


#19

Methyl tert-butyl Ether
 Concen: 22.76 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :

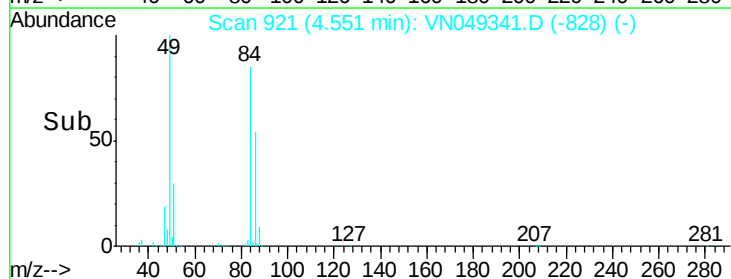
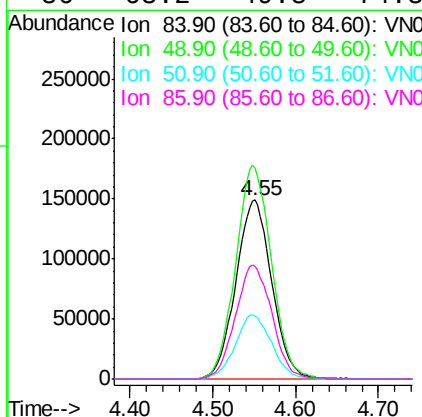
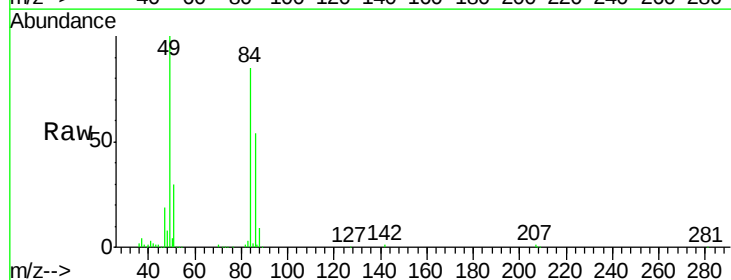
Tot Ion: 73 Resp: 1114069
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.2 27.4



#20

Methylene Chloride
 Concen: 19.93 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion: 84 Resp: 448920
 Ion Ratio Lower Upper
 84 100
 49 117.8 106.9 160.3
 51 35.2 32.7 49.1
 86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

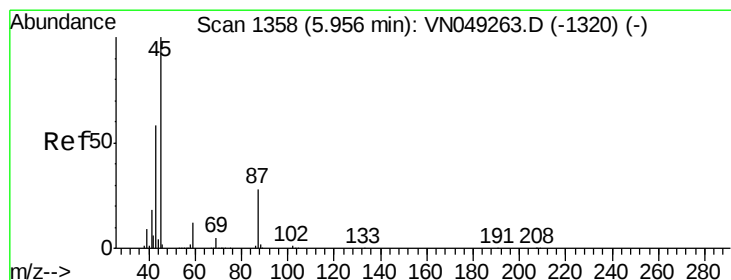
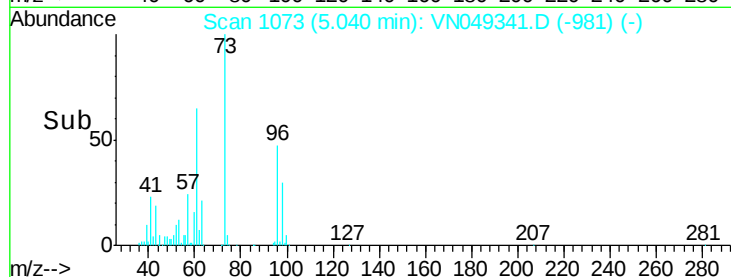
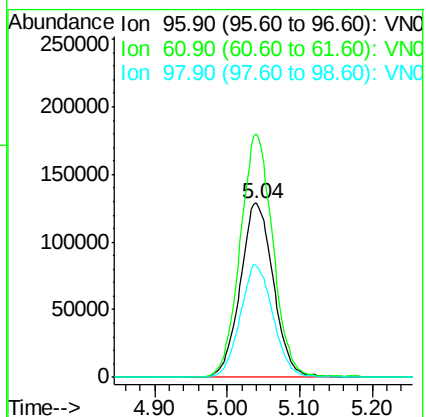
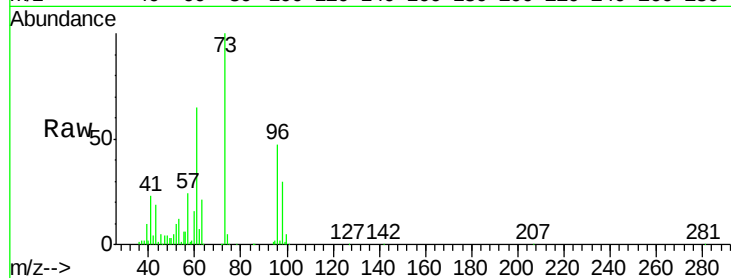
Tot Ion: 96 Resp: 409847

Ion Ratio Lower Upper

96 100

61 139.6 121.3 181.9

98 64.0 52.0 78.0



#22

Diisopropyl ether

Concen: 22.25 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion: 45 Resp: 1346873

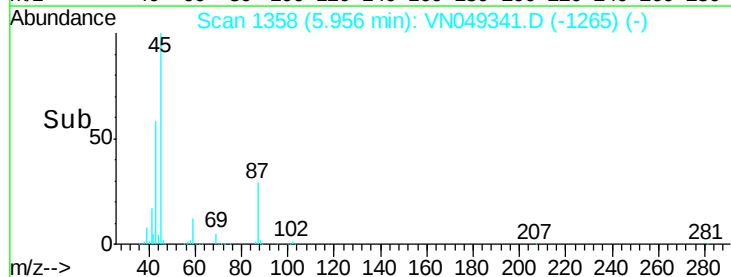
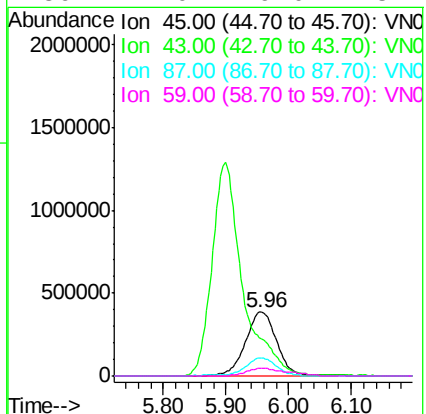
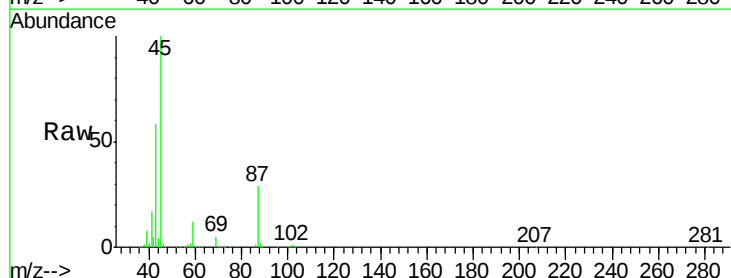
Ion Ratio Lower Upper

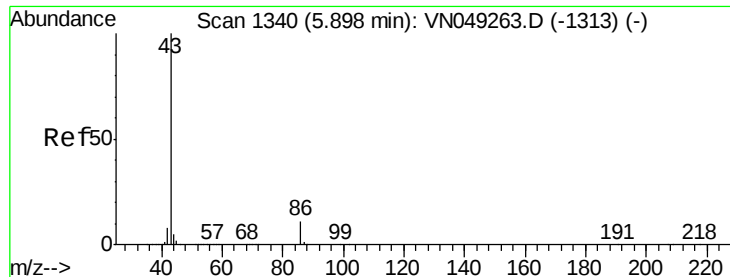
45 100

43 56.9 48.6 72.8

87 28.3 20.2 30.2

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 111.38 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

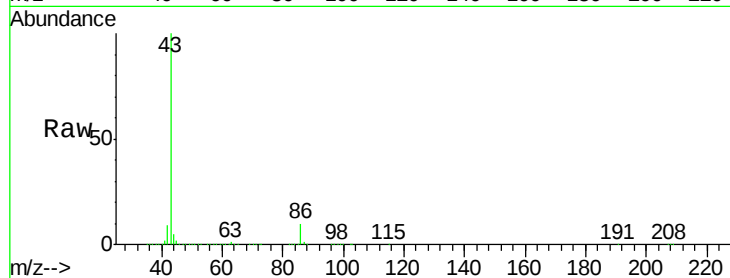
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4396437

Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049341.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049341.D (-1247) (-)

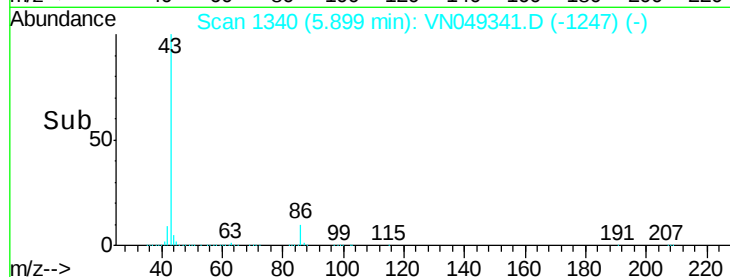
1500000

1000000

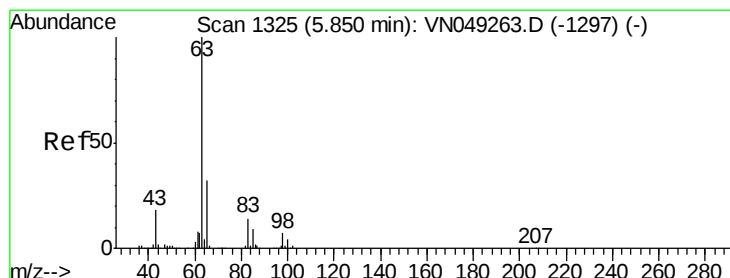
500000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 20.59 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

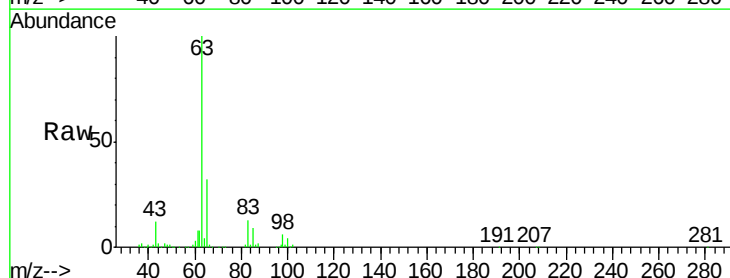
Tgt Ion: 63 Resp: 797937

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049341.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN049341.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN049341.D (-1232) (-)

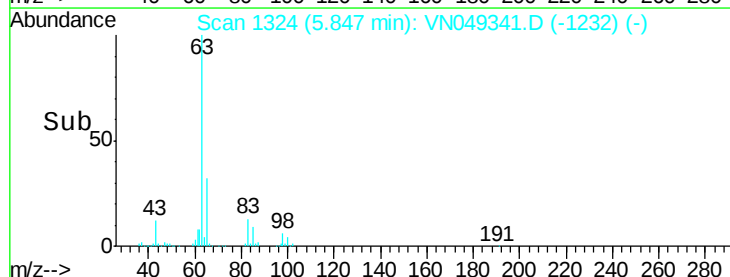
300000

200000

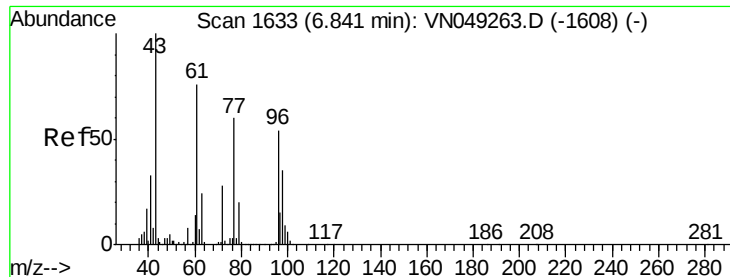
100000

0

Time-->



Time-->



#25

2-Butanone

Concen: 112.77 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

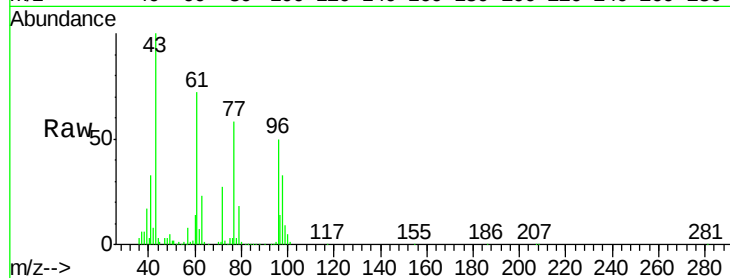
ClientSampleId :

Tot Ion: 43 Resp: 816630

Ion Ratio Lower Upper

43 100

72 27.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

300000

250000

200000

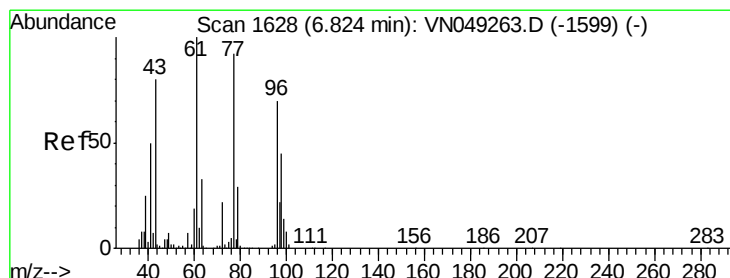
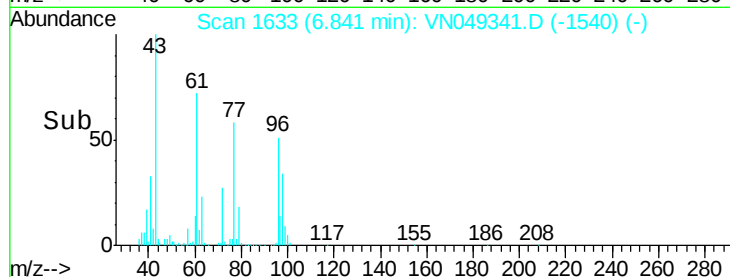
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.91 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049341.D

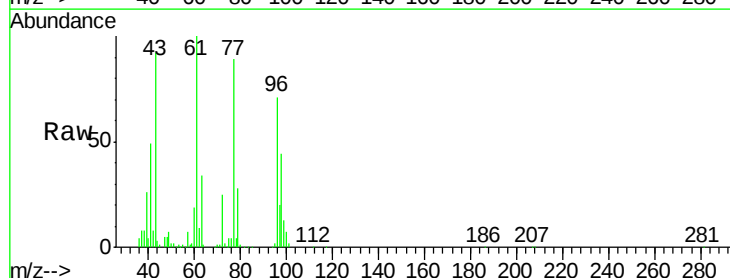
Acq: 18 Jun 2018 14:21

Tgt Ion: 77 Resp: 654416

Ion Ratio Lower Upper

77 100

97 23.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

200000

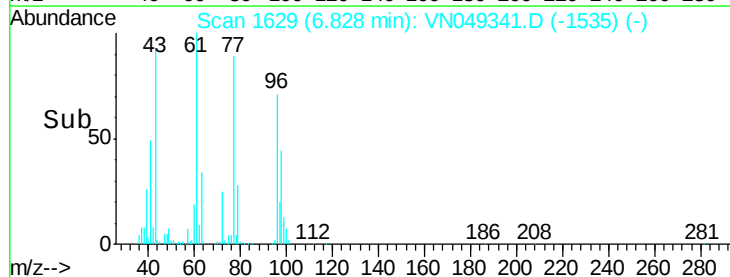
150000

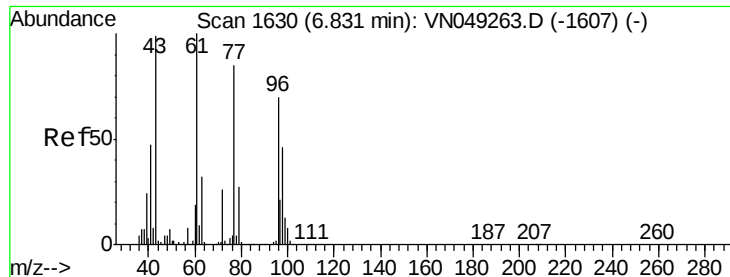
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#27

cis-1,2-Dichloroethene

Concen: 21.10 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

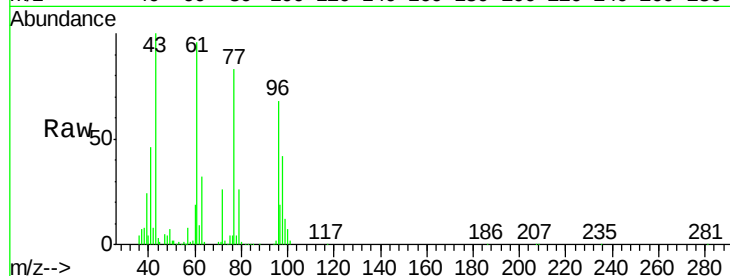
Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 476970

Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	316.4
98	64.0	0.0	128.4

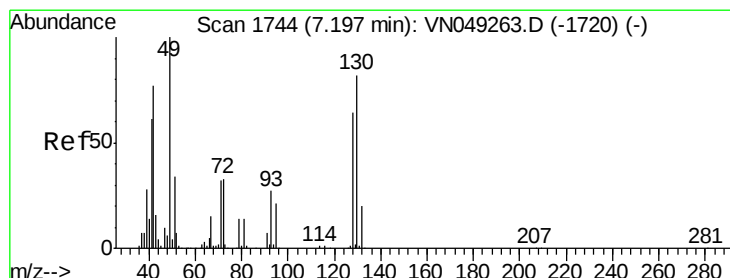
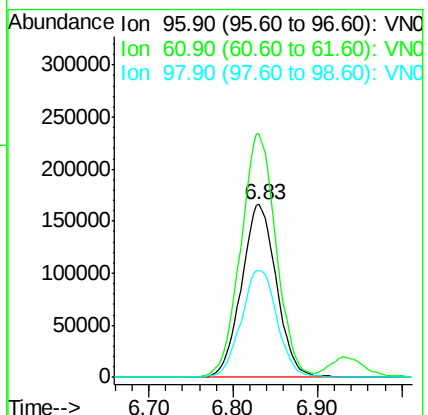
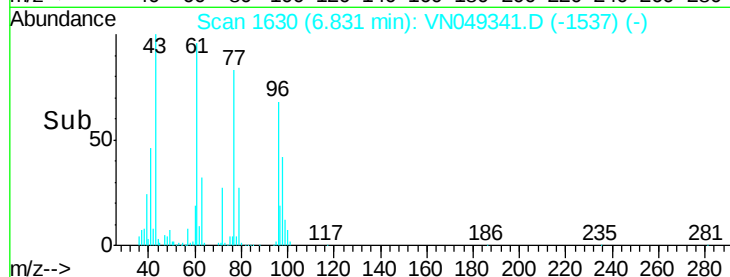


Abundance

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: 20.86 ug/l

RT: 7.20 min Scan# 1744

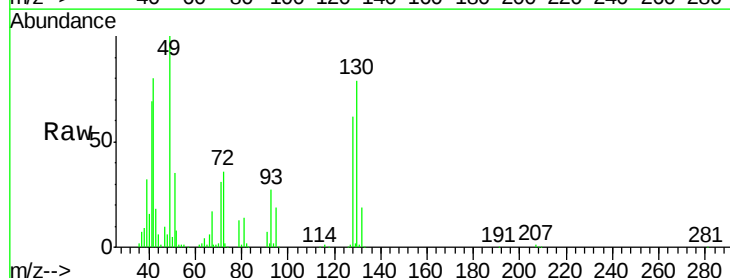
Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion: 49 Resp: 358355

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.7	54.9	82.3#

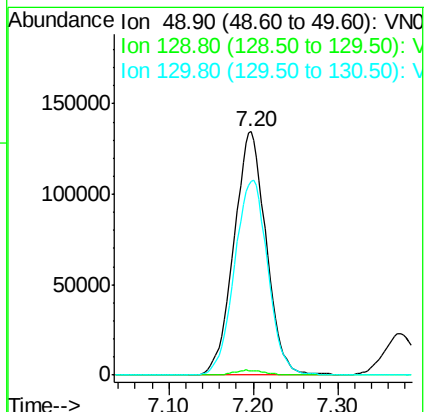
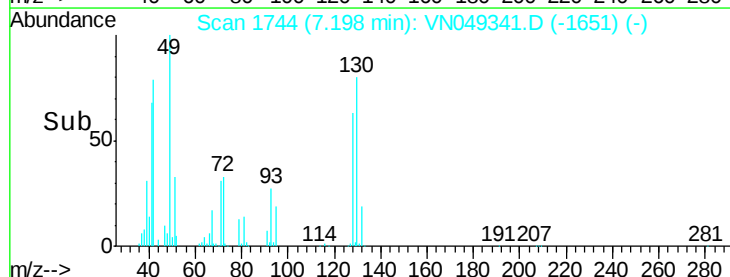


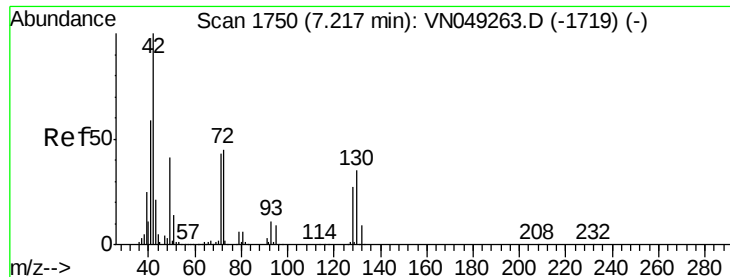
Abundance

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: 114.35 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

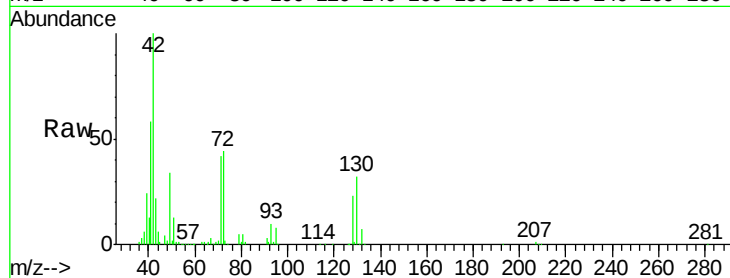
Tot Ion: 42 Resp: 533060

Ion Ratio Lower Upper

42 100

72 43.6 32.2 48.4

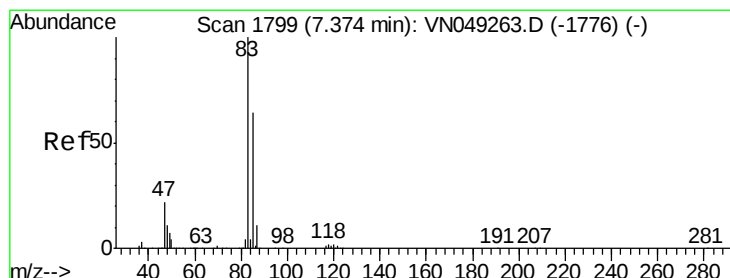
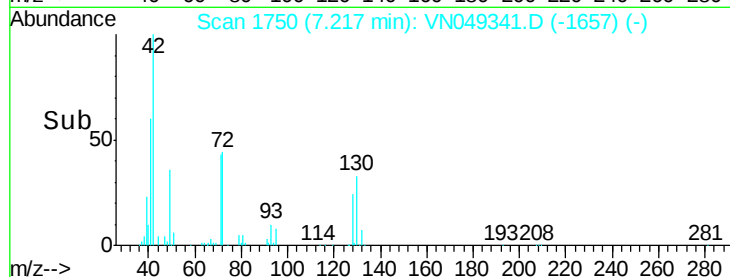
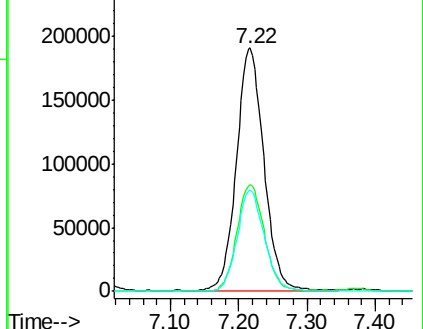
71 41.6 30.5 45.7



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: 20.76 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049341.D

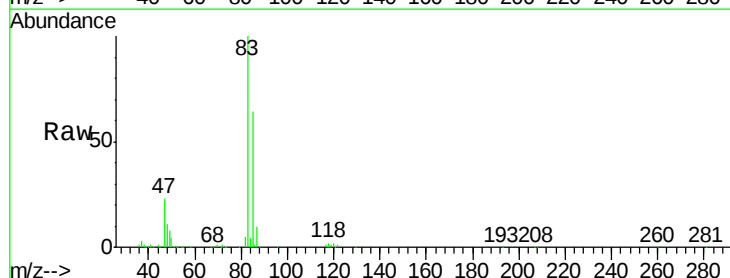
Acq: 18 Jun 2018 14:21

Tgt Ion: 83 Resp: 800676

Ion Ratio Lower Upper

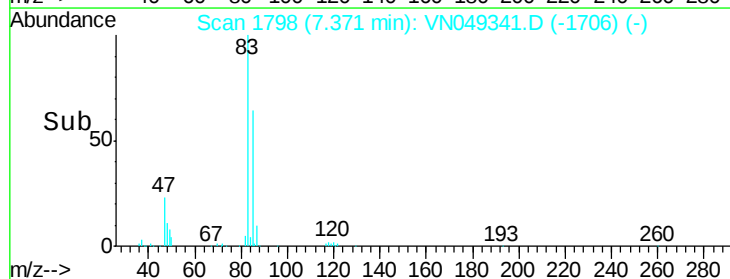
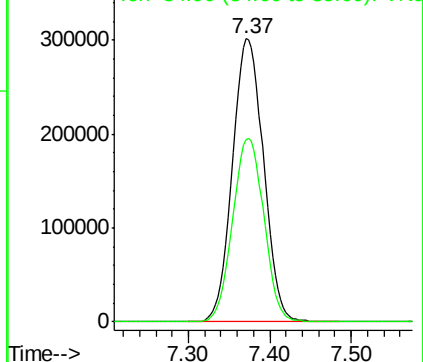
83 100

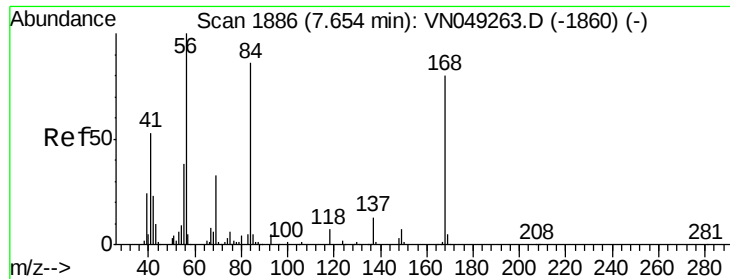
85 64.4 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

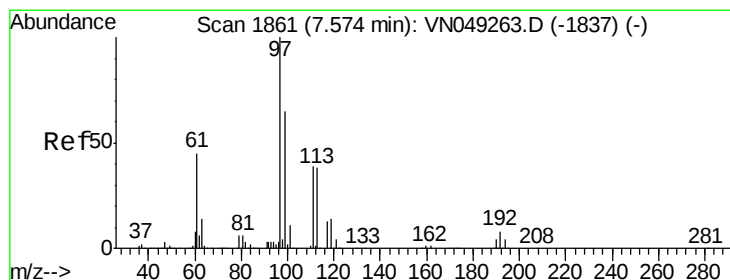
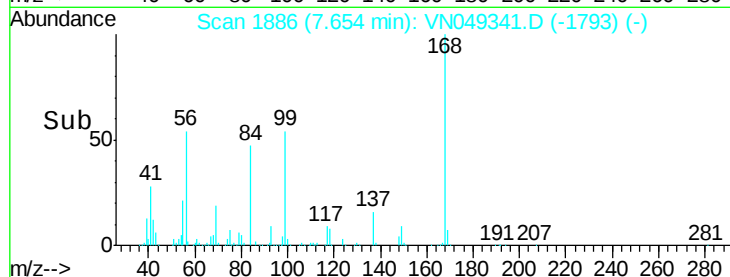
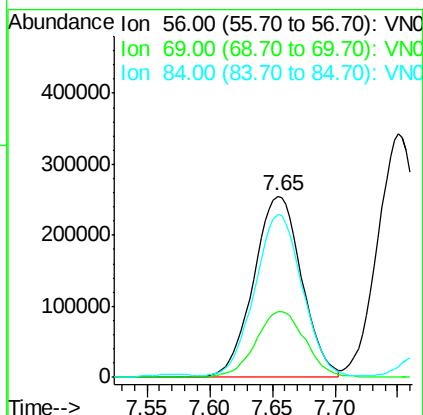
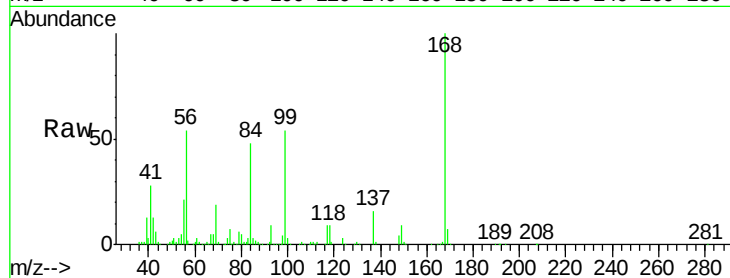




#31
Cyclohexane
Concen: 20.61 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

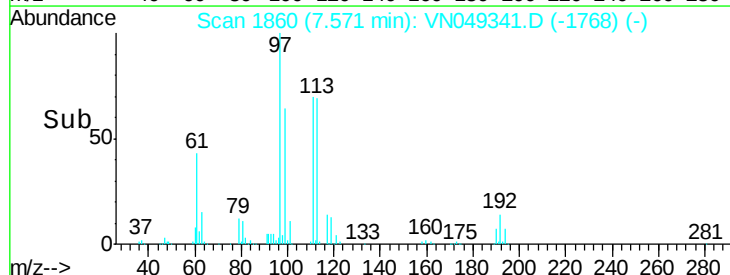
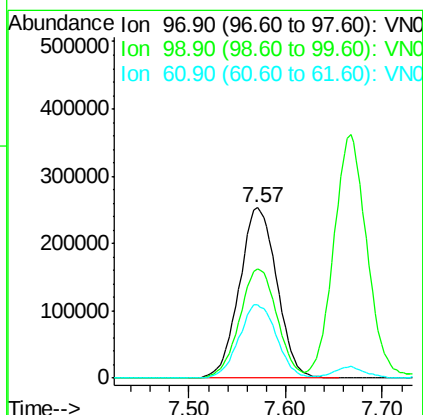
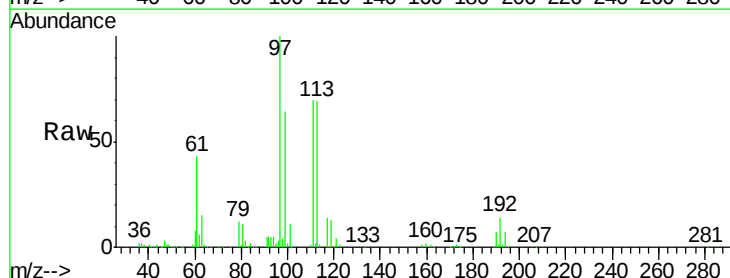
Instrument :
MSVOA_N
ClientSampled :

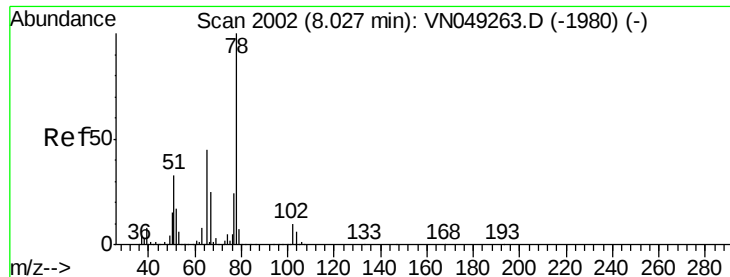
Tot Ion: 56 Resp: 680463
Ion Ratio Lower Upper
56 100
69 36.3 25.0 37.4
84 88.4 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 20.78 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 97 Resp: 683686
Ion Ratio Lower Upper
97 100
99 64.1 50.5 75.7
61 43.3 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 51.81 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

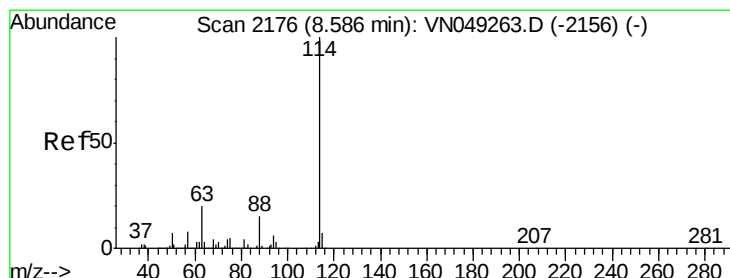
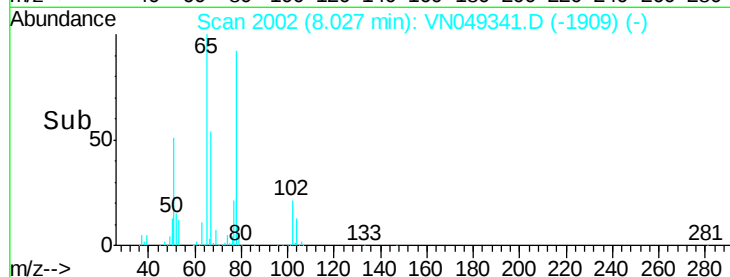
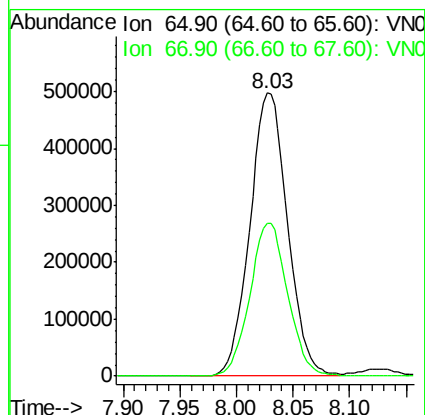
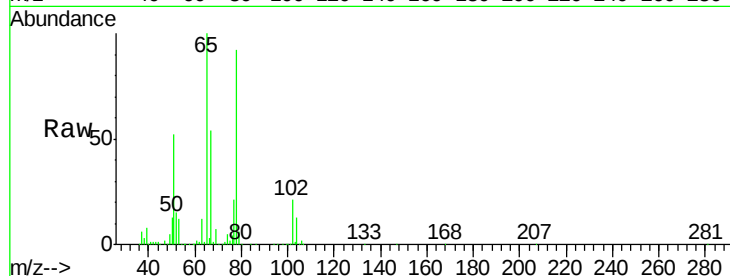
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 1150869

Ion Ratio Lower Upper

65 100

67 54.5 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: VN049341.D

Acq: 18 Jun 2018 14:21

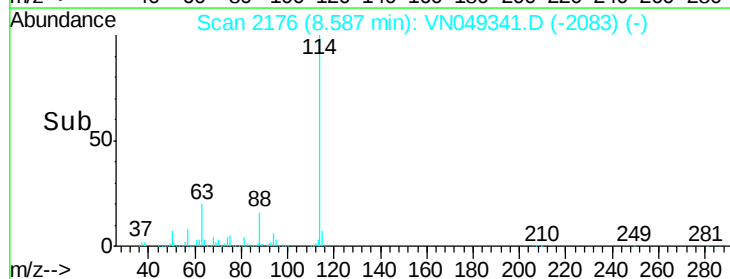
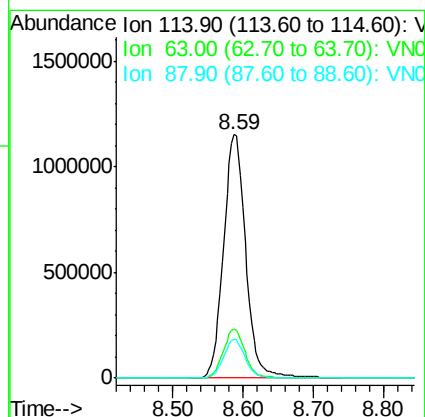
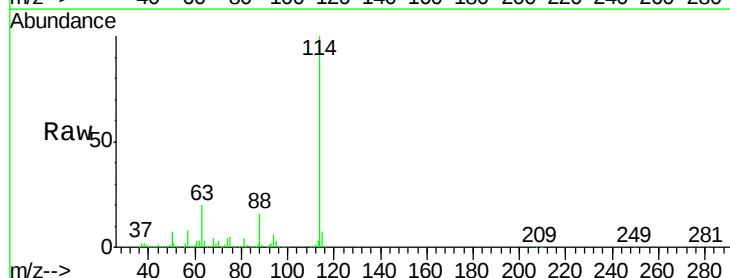
Tgt Ion: 114 Resp: 2540609

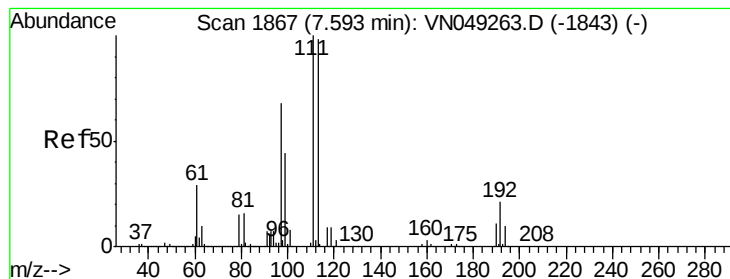
Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.77 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampled :

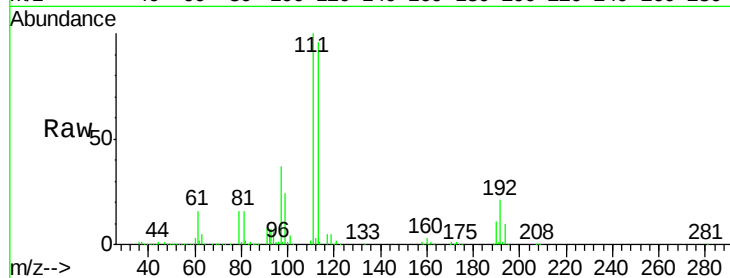
Tot Ion:113 Resp: 1022932

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	21.7	15.0	22.6

113 100

111 102.6 82.4 123.6

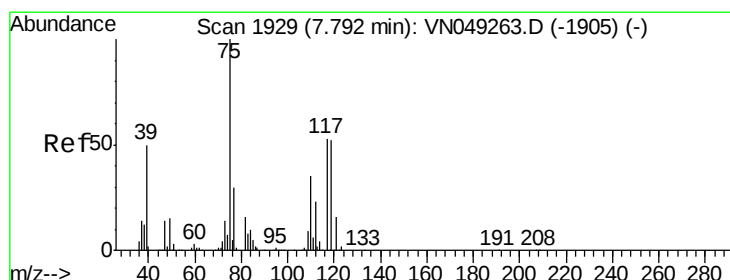
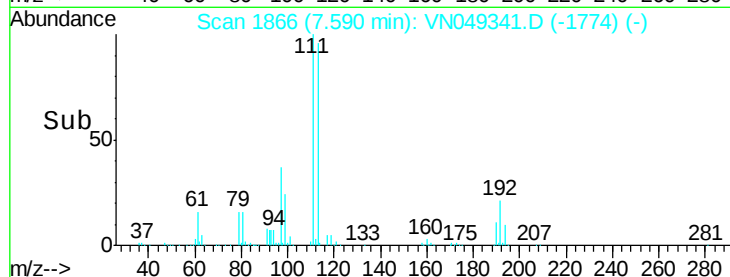
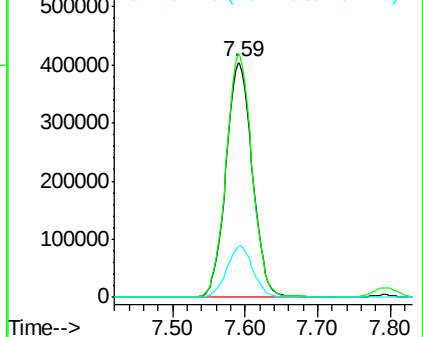
192 21.7 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.36 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

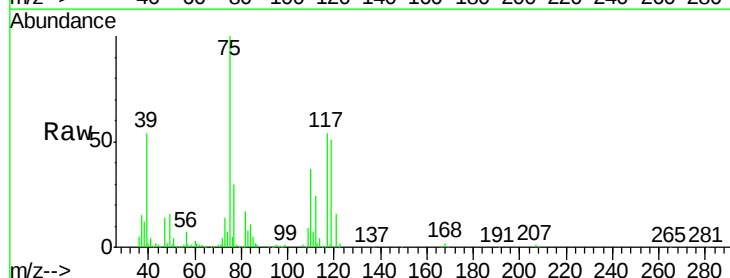
Tgt Ion: 75 Resp: 592883

Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.0	50.9
77	30.5	24.4	36.6

75 100

110 36.2 17.0 50.9

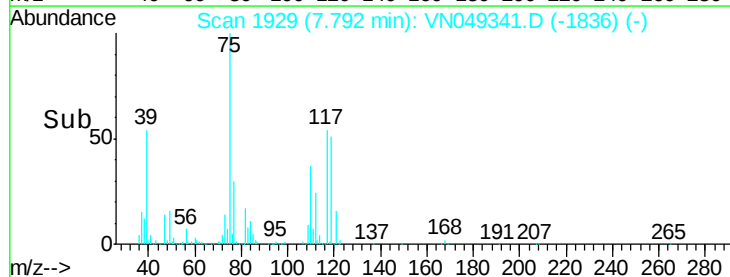
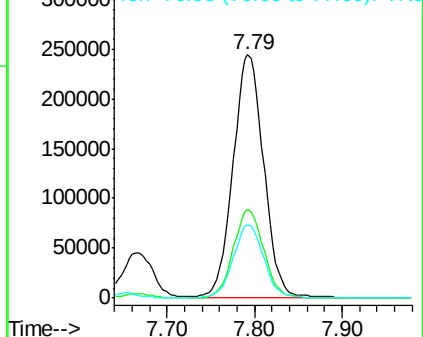
77 30.5 24.4 36.6

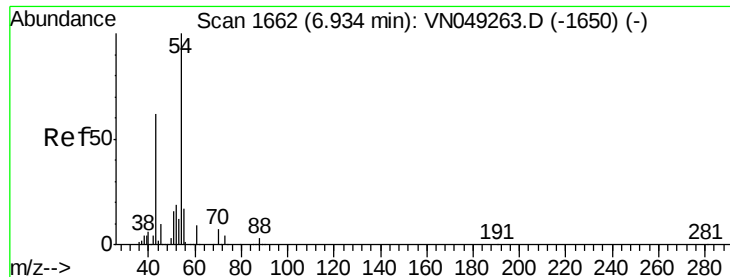


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

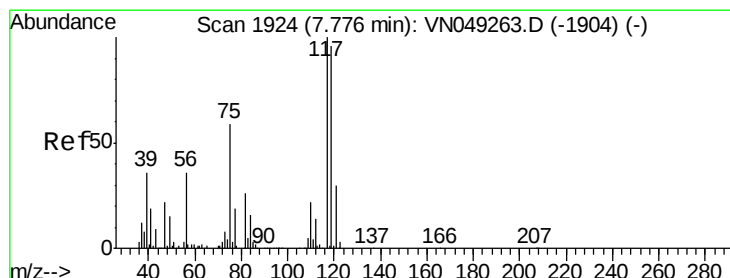
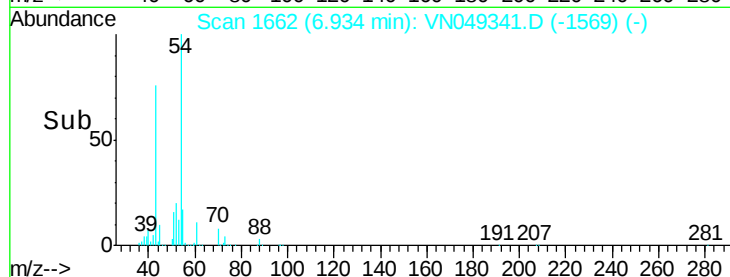
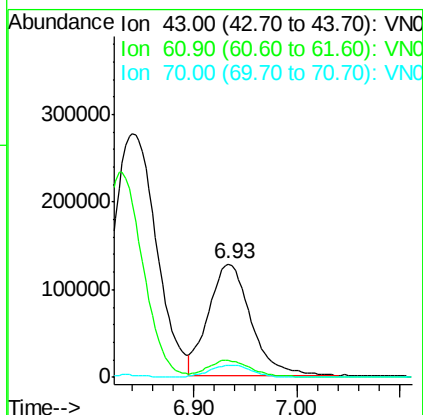
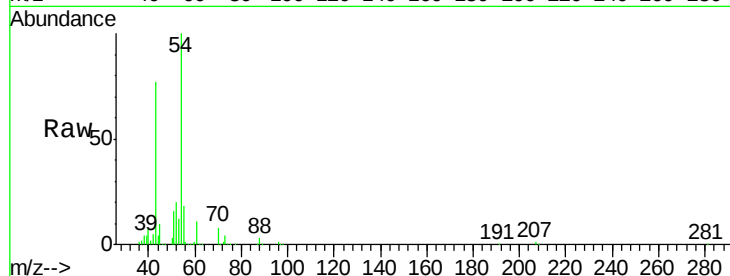




#37
Ethyl Acetate
Concen: 23.08 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

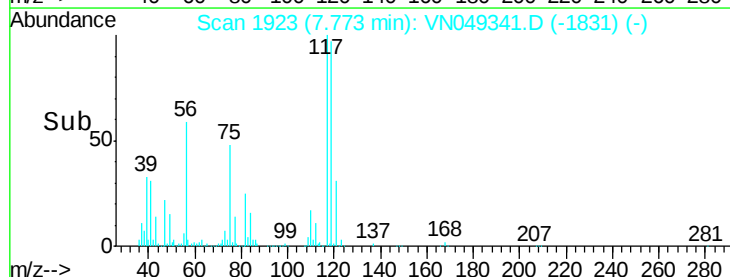
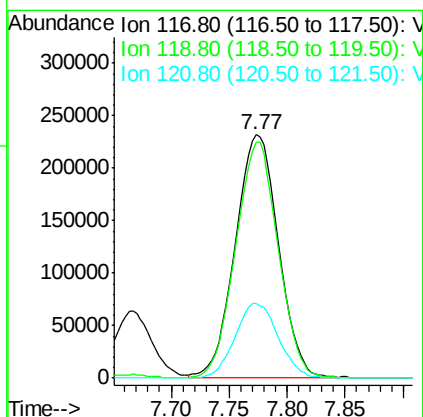
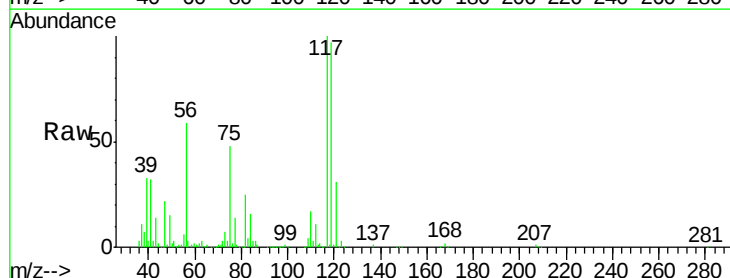
Instrument :
MSVOA_N
ClientSampleId :

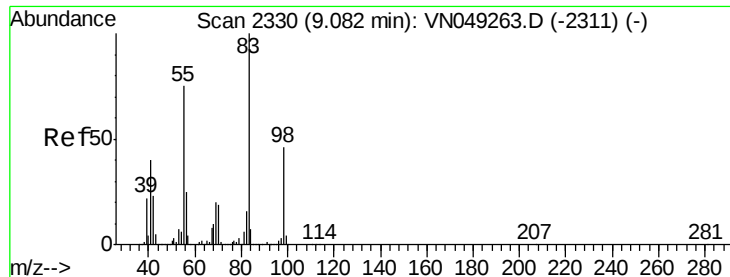
Tot Ion: 43 Resp: 365424
Ion Ratio Lower Upper
43 100
61 15.3 11.0 16.4
70 10.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 117 Resp: 596279
Ion Ratio Lower Upper
117 100
119 97.3 75.6 113.4
121 30.7 24.7 37.1

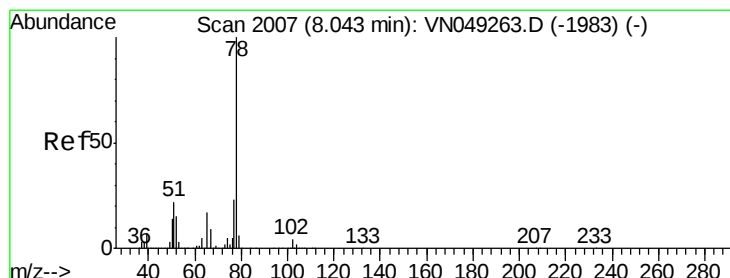
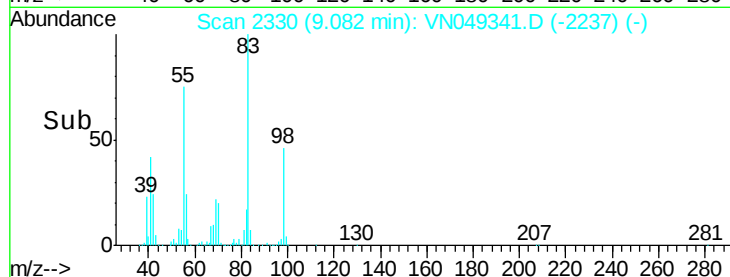
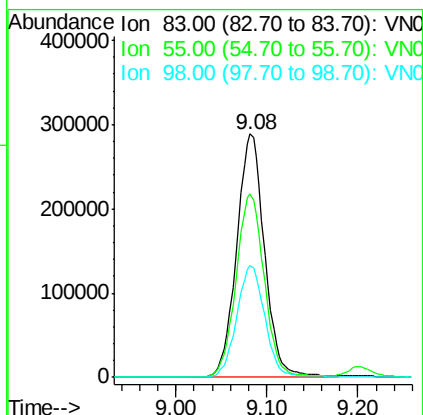
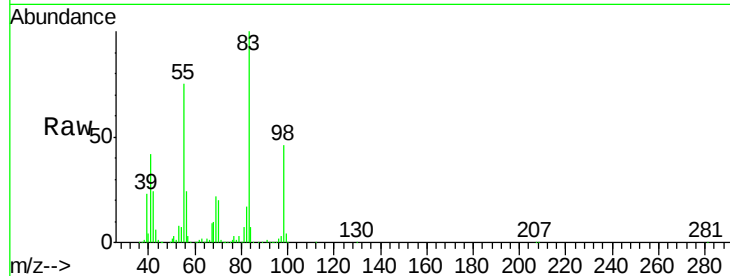




#39
Methvlcvclohexane
Concen: 19.70 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

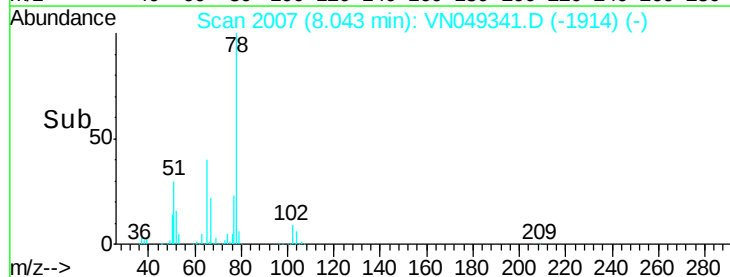
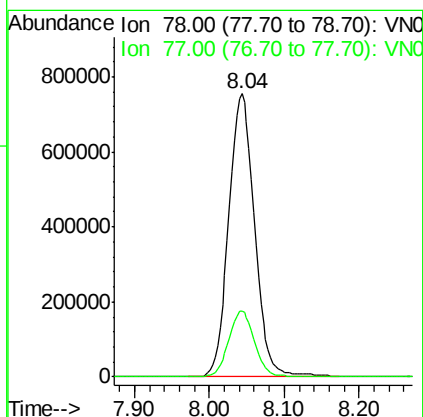
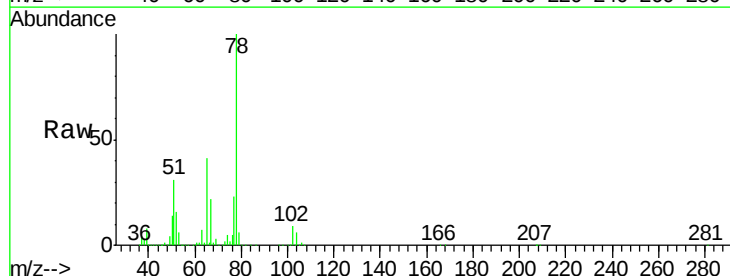
Instrument :
MSVOA_N
ClientSampleId :

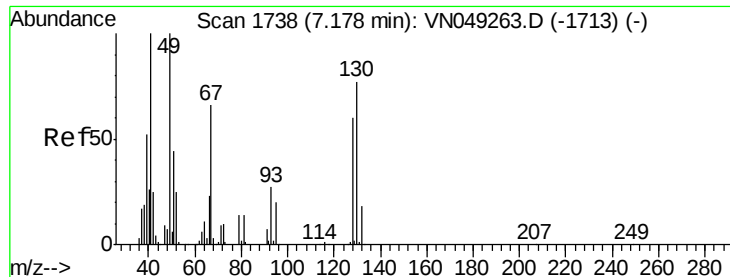
Tot Ion: 83 Resp: 615720
Ion Ratio Lower Upper
83 100
55 75.4 65.1 97.7
98 45.9 36.5 54.7



#40
Benzene
Concen: 20.36 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 78 Resp: 1817748
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0

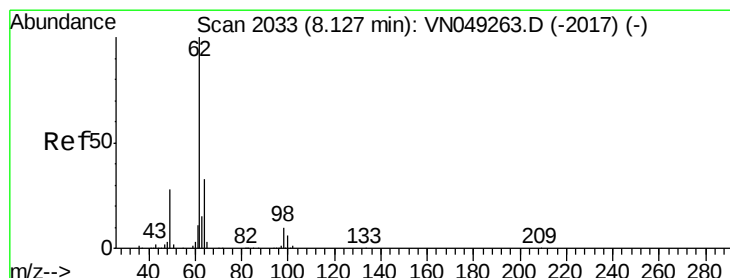
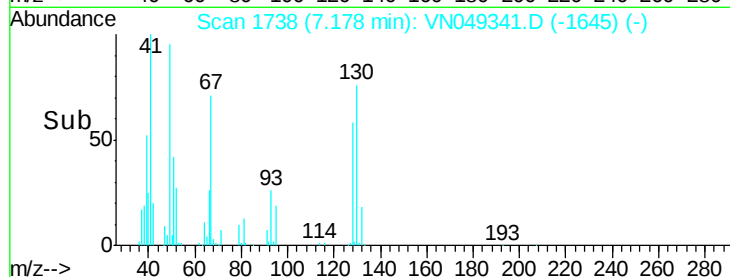
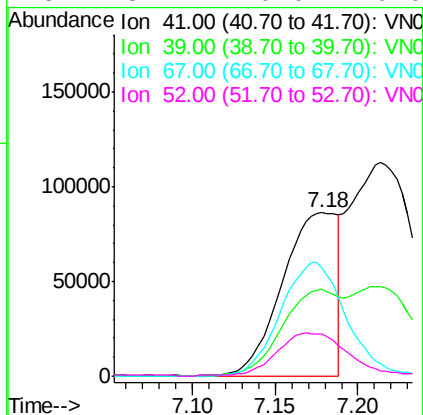
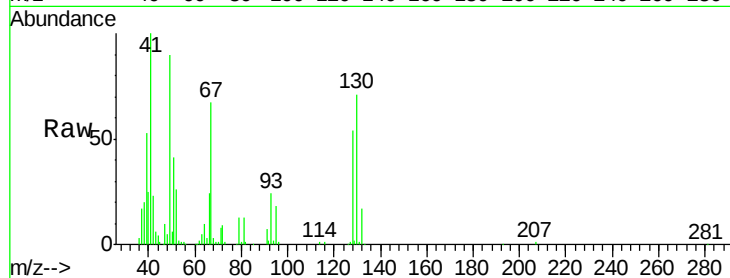




#41
Methacrylonitrile
Concen: 23.27 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

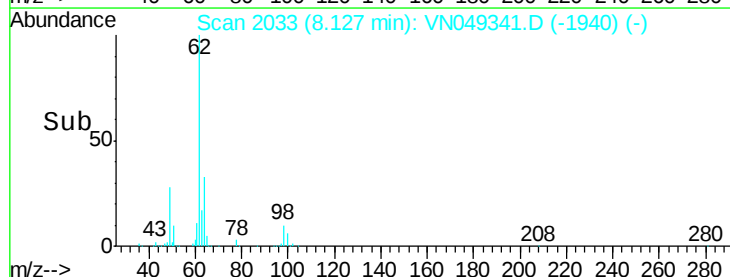
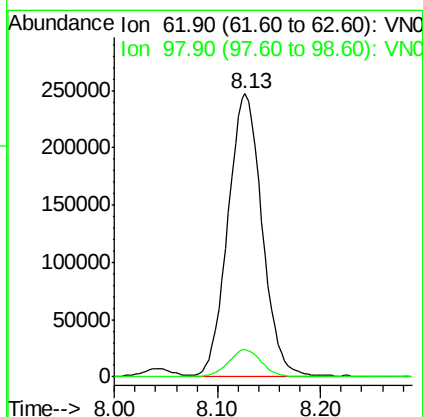
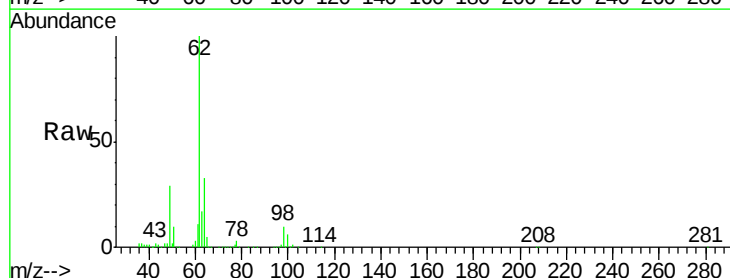
Instrument :
MSVOA_N
ClientSampleId :

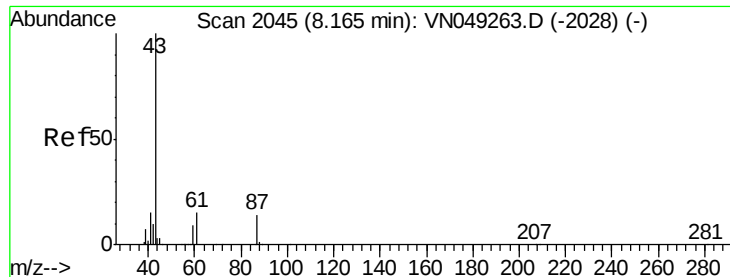
Tot Ion: 41 Resp: 199096
Ion Ratio Lower Upper
41 100
39 55.6 0.0 0.0#
67 83.7 0.0 0.0#
52 32.7 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.59 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 62 Resp: 567881
Ion Ratio Lower Upper
62 100
98 9.6 0.0 16.2





#43

Isopropyl Acetate

Concen: 22.95 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

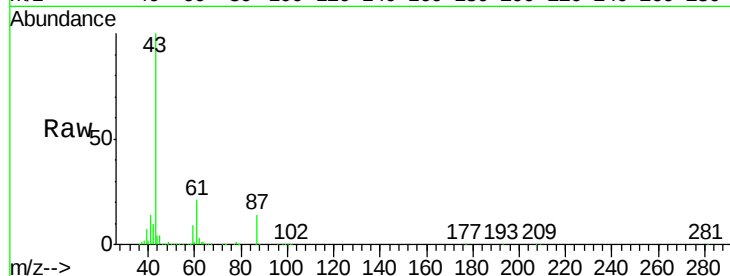
Tot Ion: 43 Resp: 693987

Ion Ratio Lower Upper

43 100

61 19.0 14.2 21.4

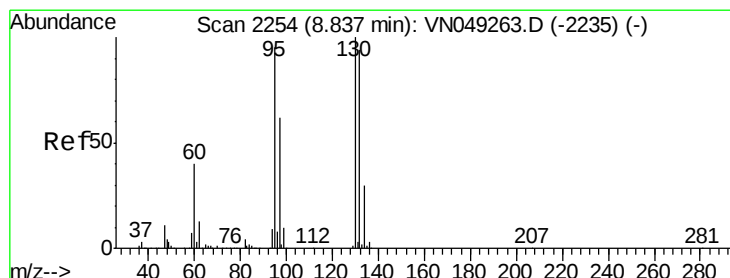
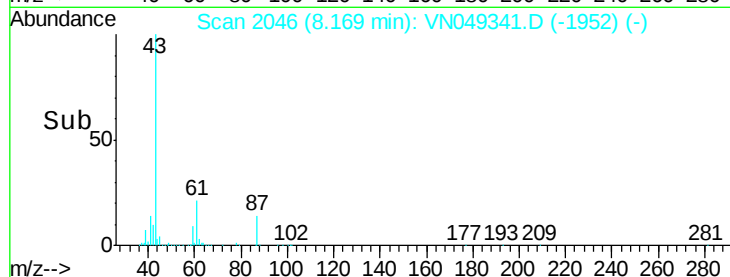
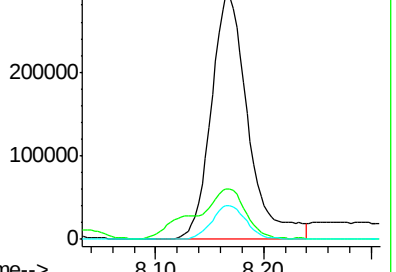
87 13.1 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049341.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049341.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049341.D (-1952) (-)



#44

Trichloroethene

Concen: 20.54 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049341.D

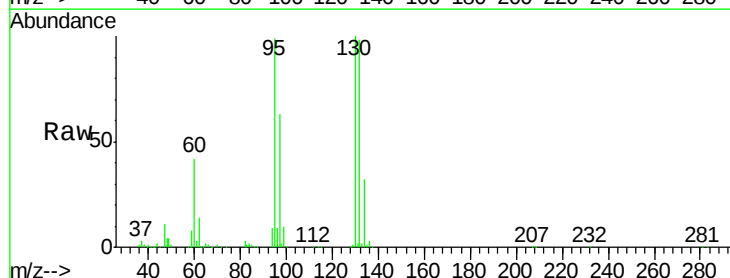
Acq: 18 Jun 2018 14:21

Tgt Ion: 130 Resp: 484136

Ion Ratio Lower Upper

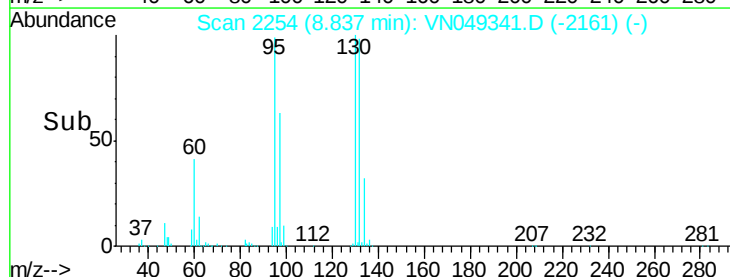
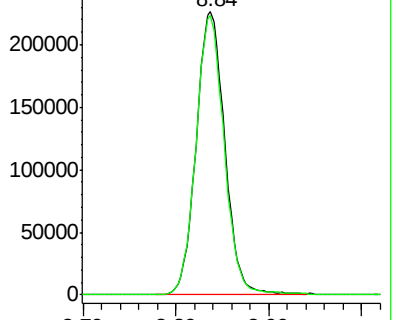
130 100

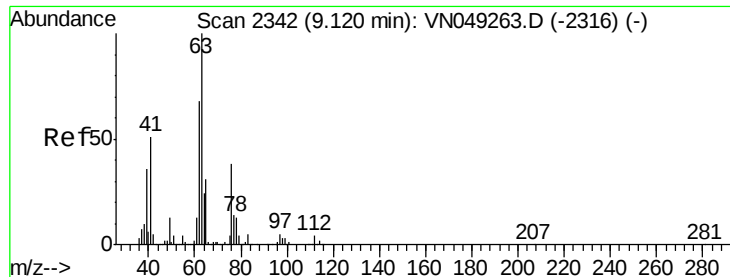
95 98.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049341.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049341.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 20.60 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

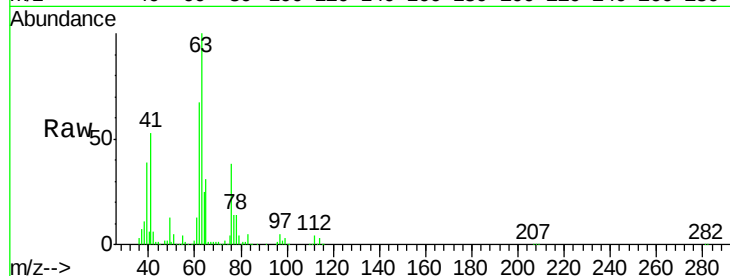
ClientSampled :

Tot Ion: 63 Resp: 481580

Ion Ratio Lower Upper

63 100

65 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049341.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049341.D (-2249) (-)

9.12

250000

200000

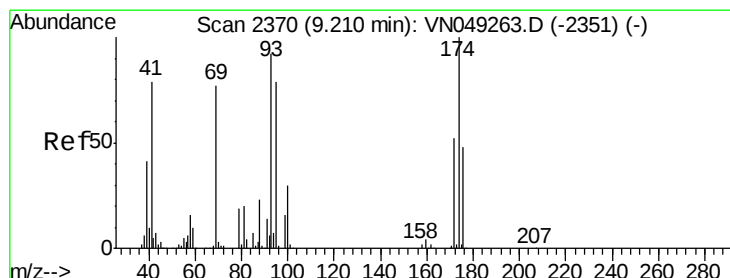
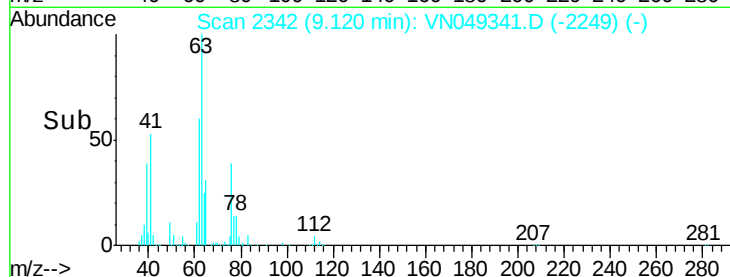
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.68 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

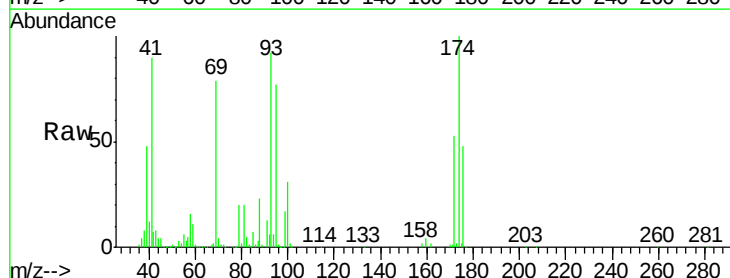
Tgt Ion: 93 Resp: 280336

Ion Ratio Lower Upper

93 100

95 83.2 67.2 100.8

174 108.9 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049341.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049341.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049341.D (-2277) (-)

200000

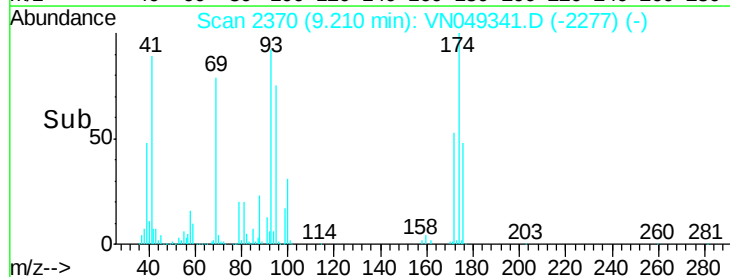
150000

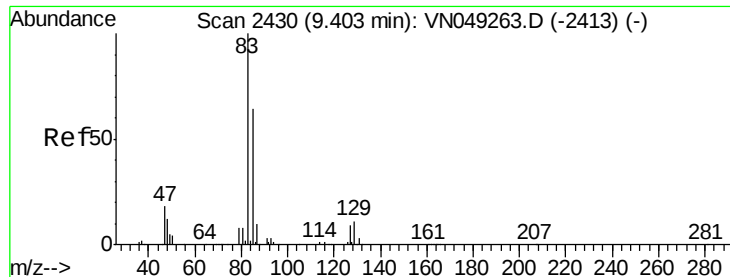
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampled :

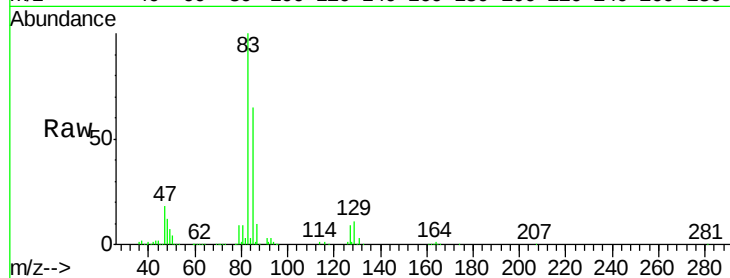
Tot Ion: 83 Resp: 608364

Ion Ratio Lower Upper

83 100

85 65.3 49.4 74.0

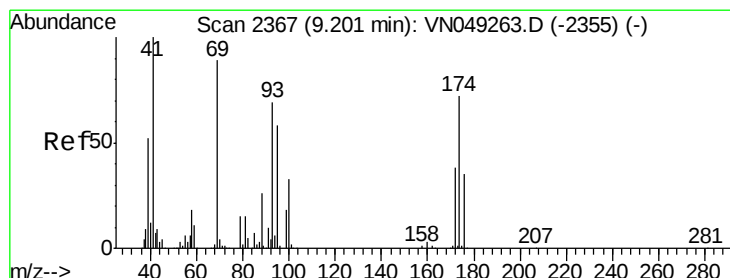
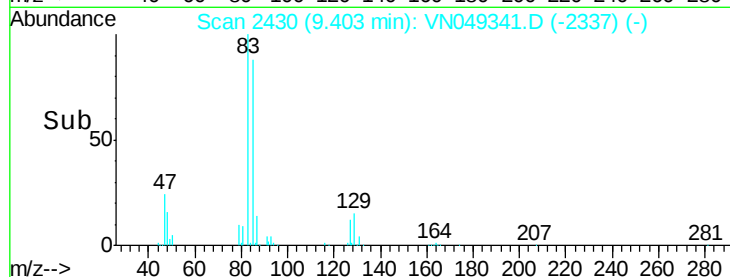
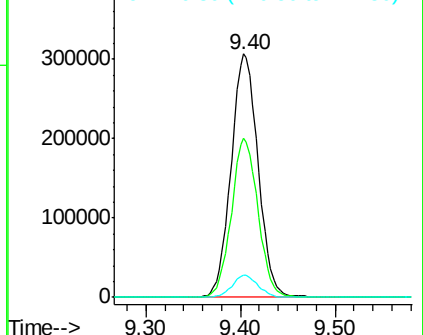
127 9.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049341.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049341.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049341.D (-2337) (-)



#48

Methyl methacrylate

Concen: 22.73 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

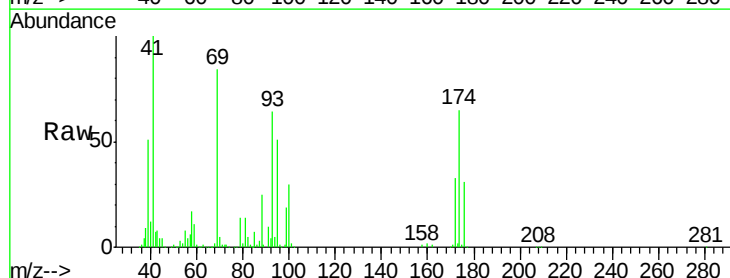
Tgt Ion: 41 Resp: 323683

Ion Ratio Lower Upper

41 100

69 87.2 62.0 93.0

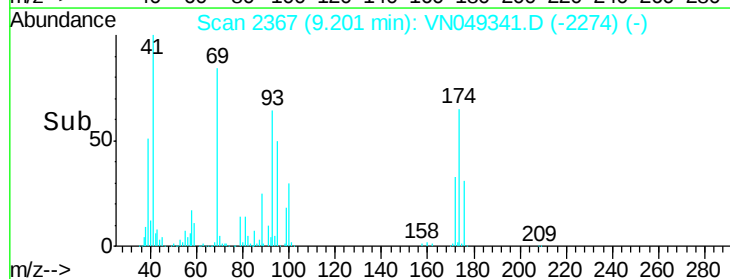
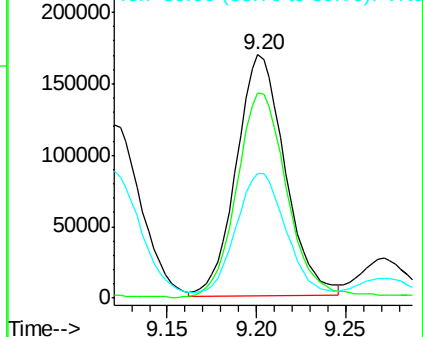
39 53.5 50.6 75.8

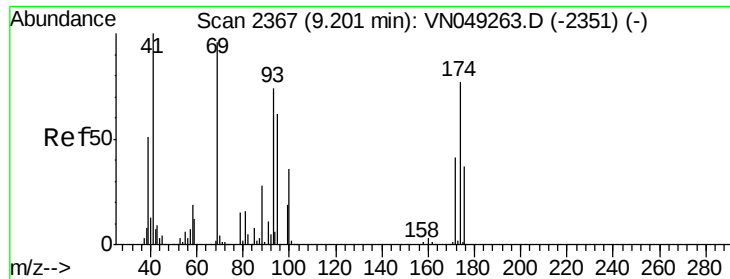


Abundance Ion 41.00 (40.70 to 41.70): VN049341.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049341.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049341.D (-2274) (-)

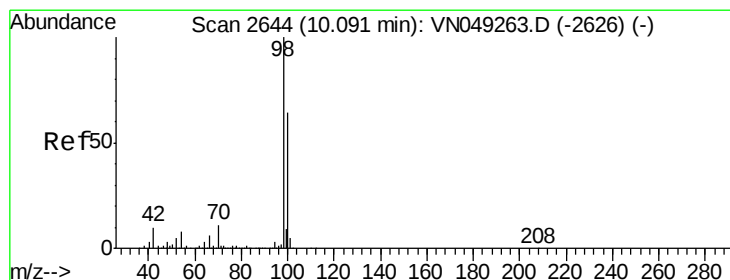
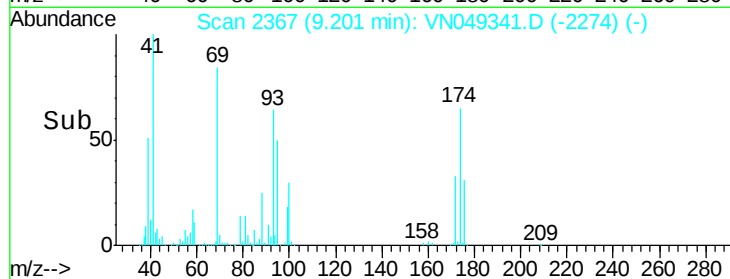
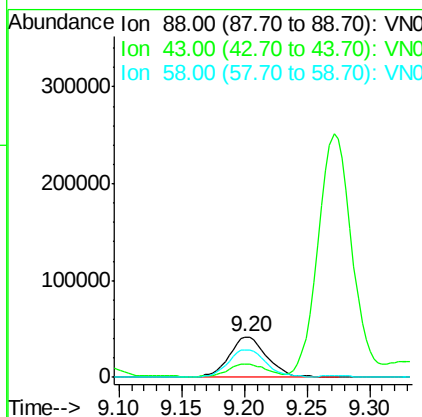
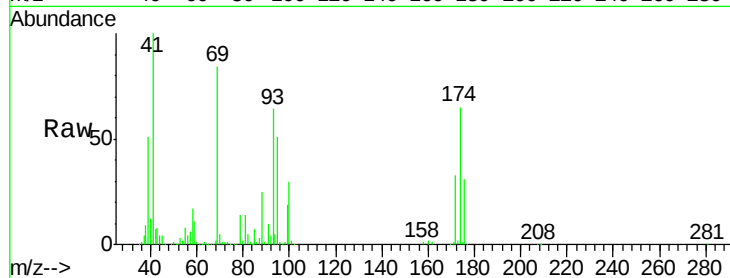




#49
1,4-Dioxane
Concen: 444.86 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

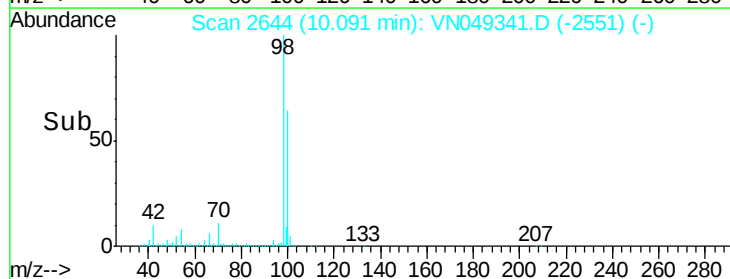
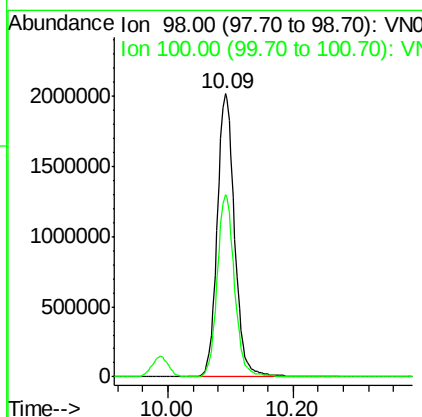
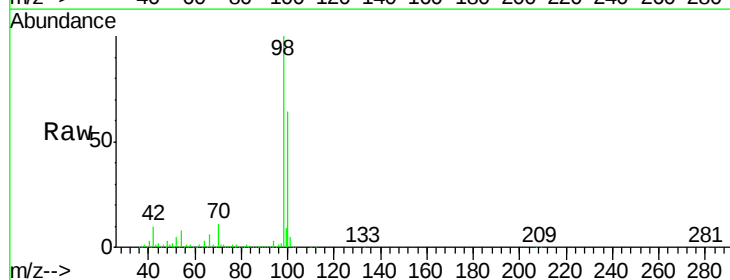
Instrument :
MSVOA_N
ClientSampleId :

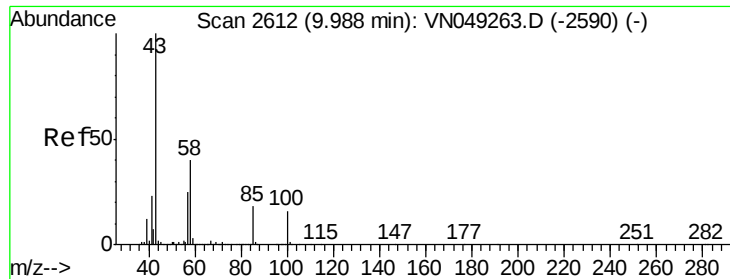
Tot Ion: 88 Resp: 87447
Ion Ratio Lower Upper
88 100
43 31.6 30.9 46.3
58 69.2 58.9 88.3



#50
Toluene-d8
Concen: 49.58 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 98 Resp: 3880173
Ion Ratio Lower Upper
98 100
100 64.1 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 114.16 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

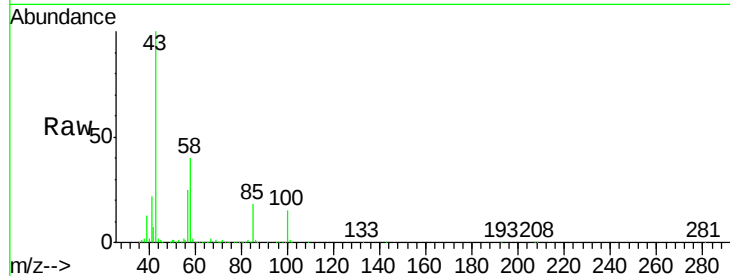
ClientSampleId :

Tot Ion: 43 Resp: 1809624

Ion Ratio Lower Upper

43 100

58 39.7 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049341.D (-2519) (-)

Ion 58.00 (57.70 to 58.70): VN049341.D (-2519) (-)

9.99

800000

600000

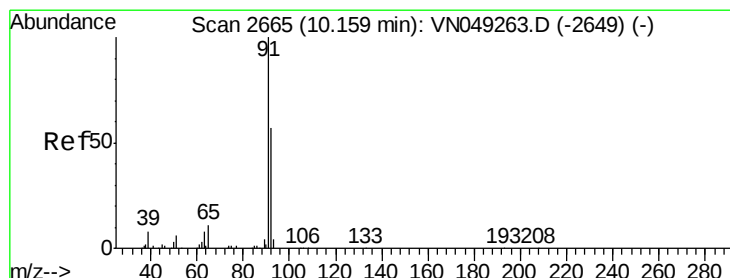
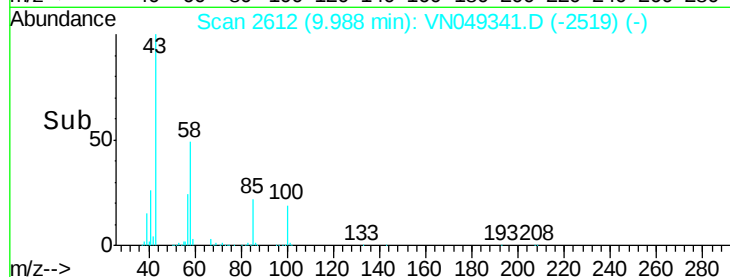
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 21.09 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049341.D

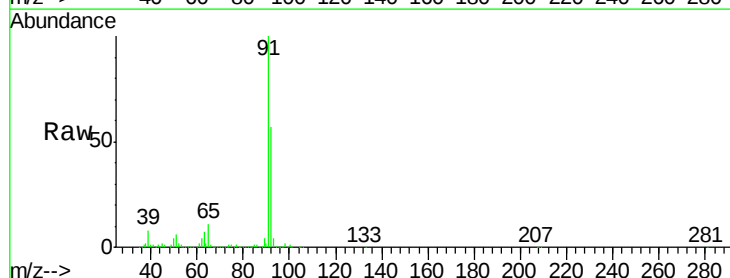
Acq: 18 Jun 2018 14:21

Tgt Ion: 92 Resp: 1104973

Ion Ratio Lower Upper

92 100

91 176.7 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049341.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VN049341.D (-2572) (-)

1200000

1000000

800000

600000

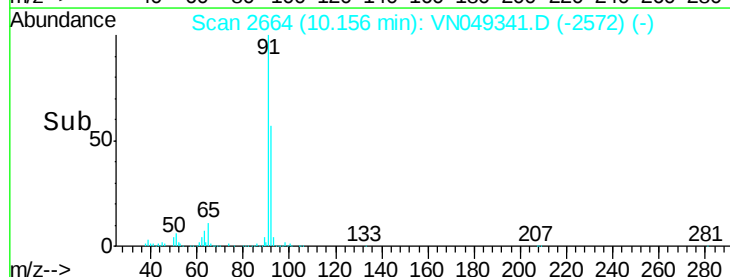
400000

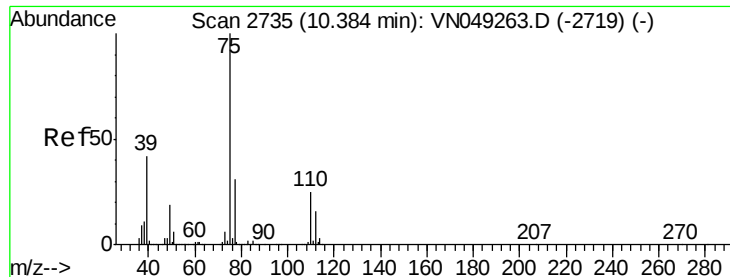
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.63 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

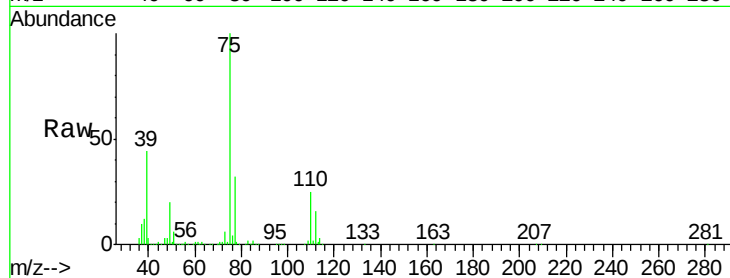
ClientSampled :

Tot Ion: 75 Resp: 587767

Ion Ratio Lower Upper

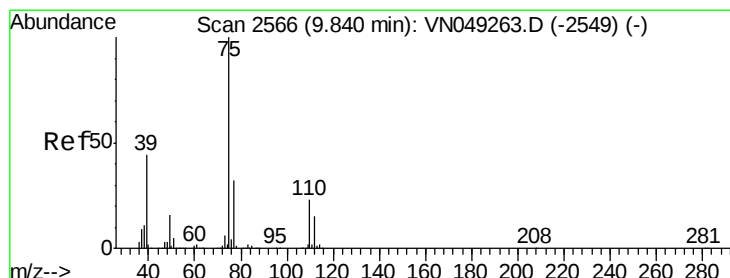
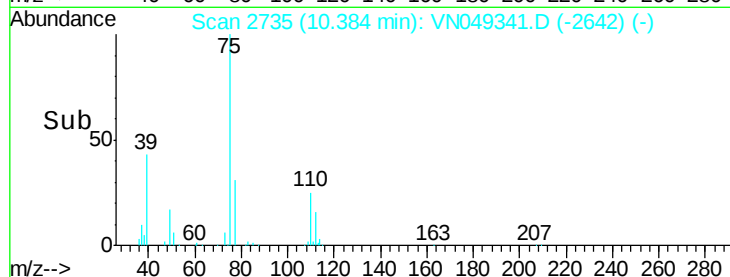
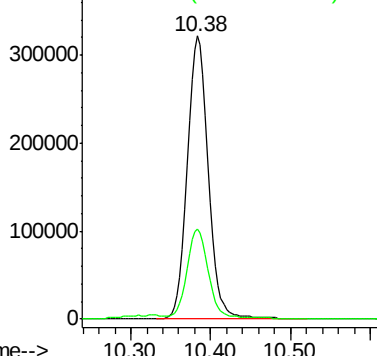
75 100

77 31.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.80 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

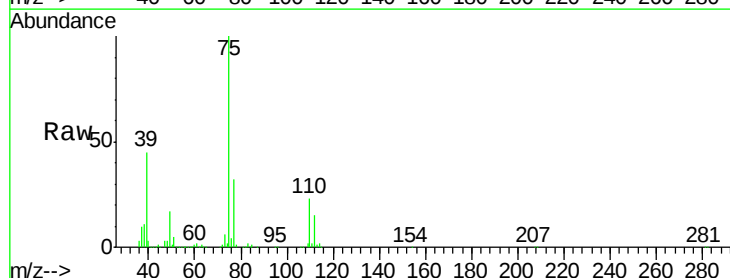
Tgt Ion: 75 Resp: 699702

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

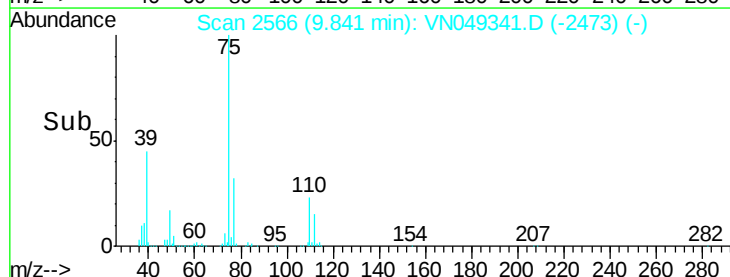
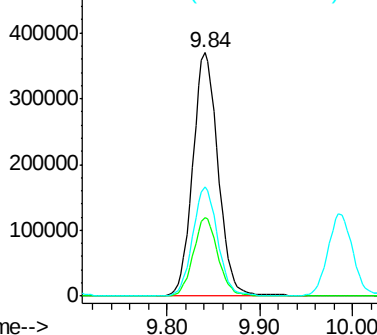
39 44.6 45.1 67.7#

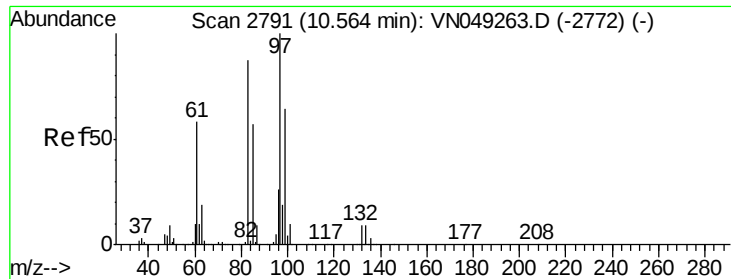


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

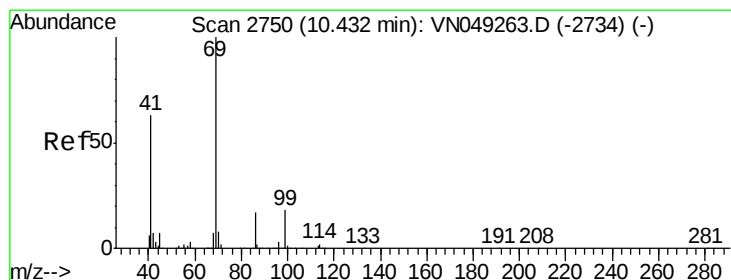
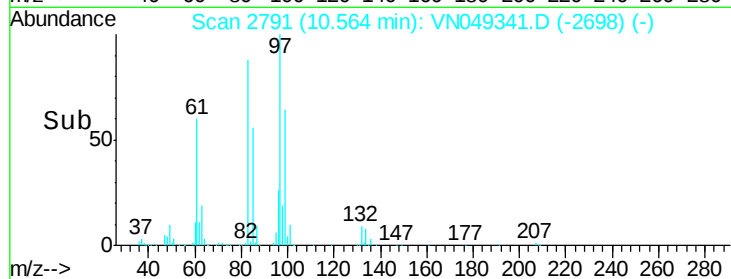
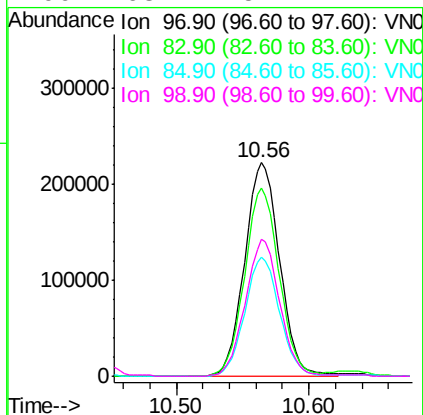
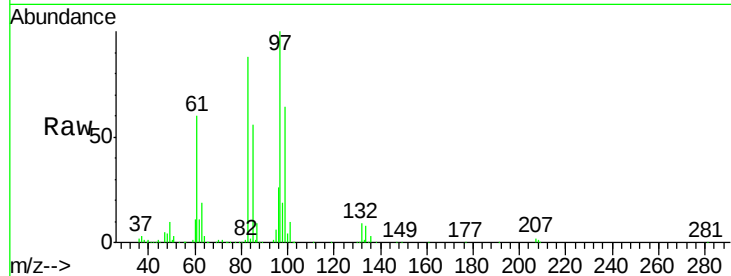




#55
 1,1,2-Trichloroethane
 Concen: 20.84 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

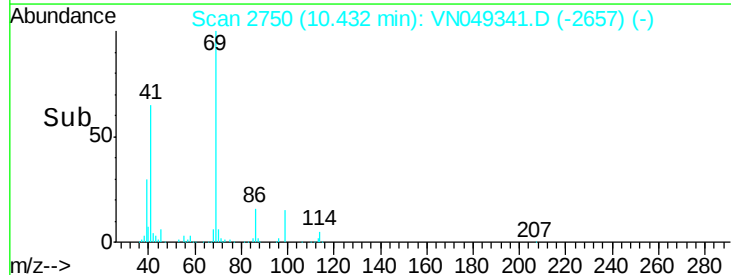
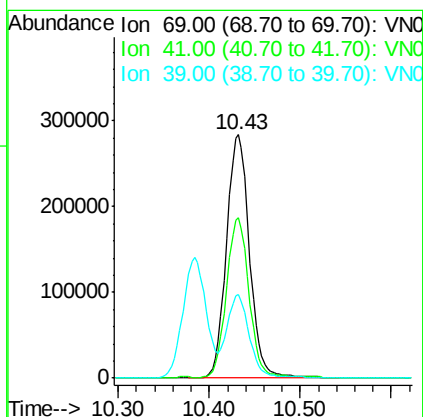
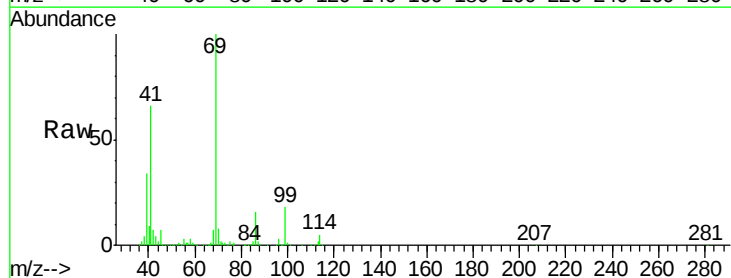
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	407035
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.5	107.3
85	55.7	47.0	70.4
99	63.7	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 22.21 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion:	69	Resp:	500404
Ion	Ratio	Lower	Upper
69	100		
41	64.2	58.4	87.6
39	33.4	35.5	53.3#

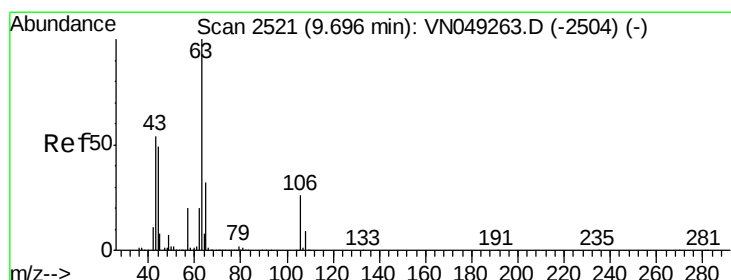
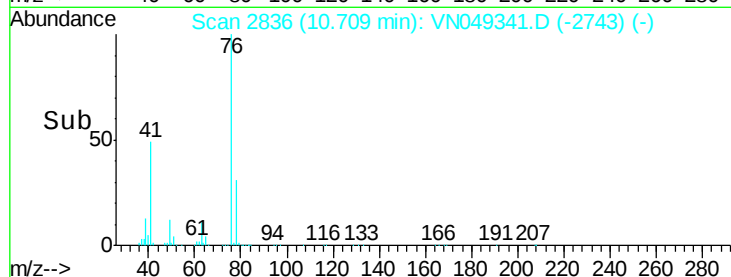
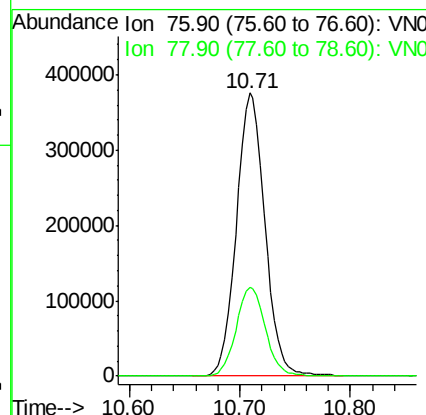
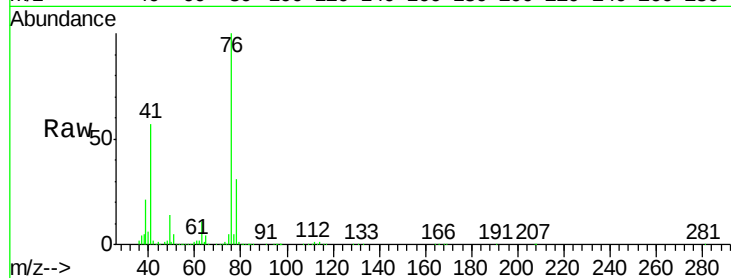




#57
 1,3-Dichloropropane
 Concen: 20.85 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

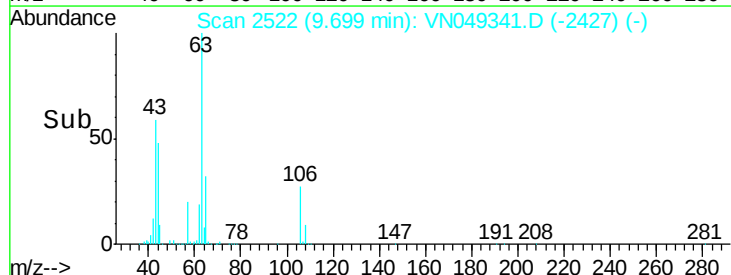
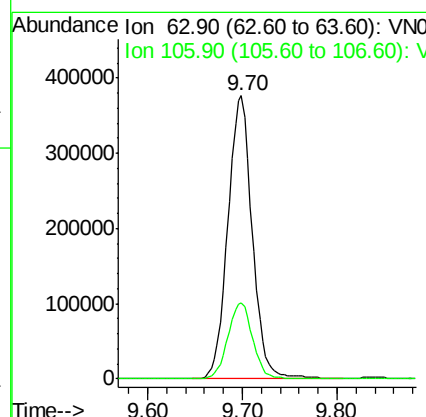
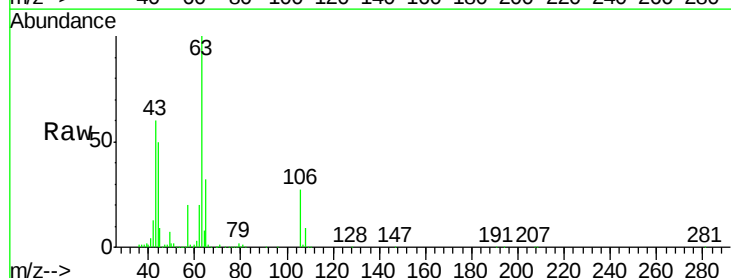
Instrument :
 MSVOA_N
 ClientSampleId :

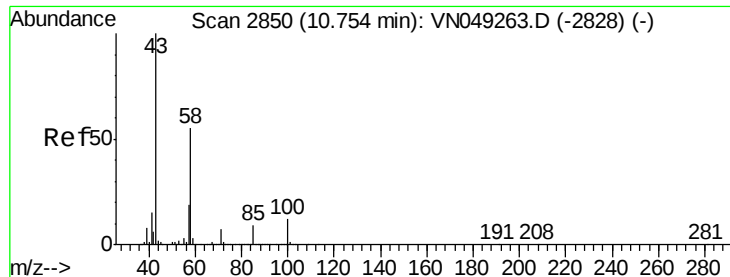
Tot Ion: 76 Resp: 674513
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.45 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion: 63 Resp: 676130
 Ion Ratio Lower Upper
 63 100
 106 27.2 19.4 29.2

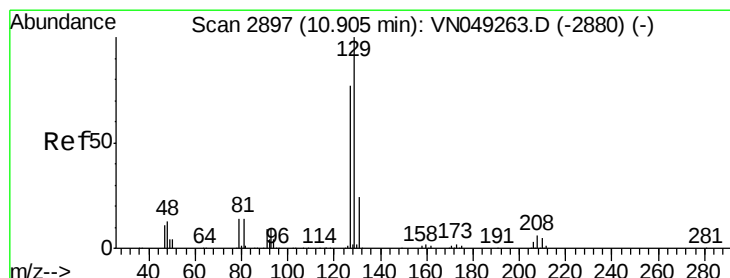
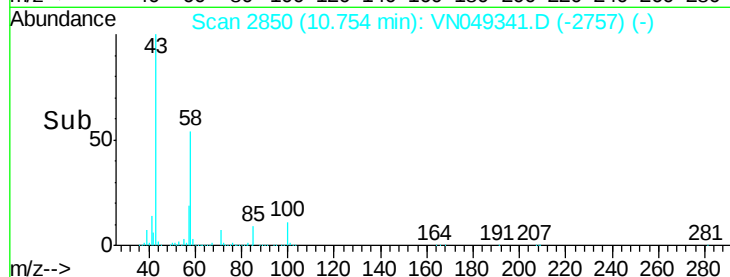
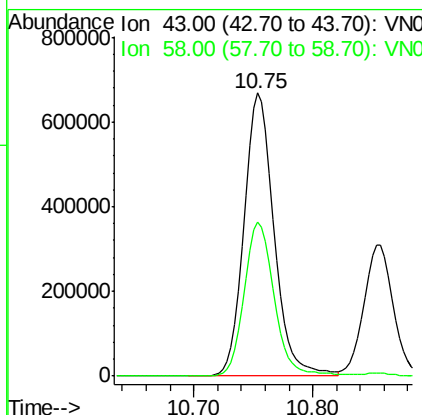
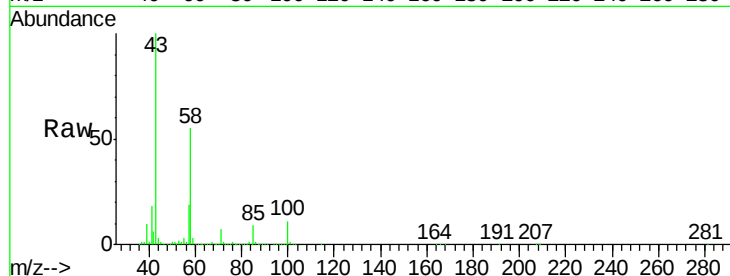




#59
2-Hexanone
Concen: 114.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

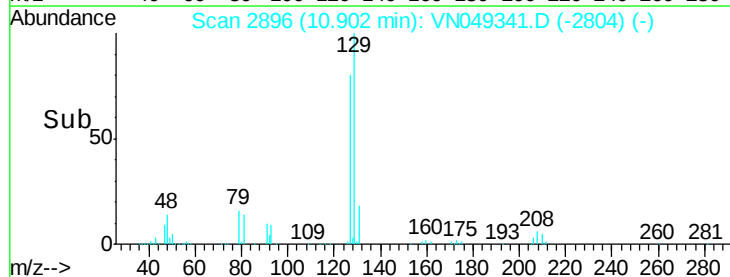
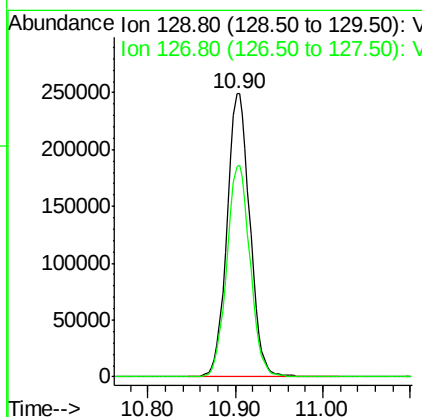
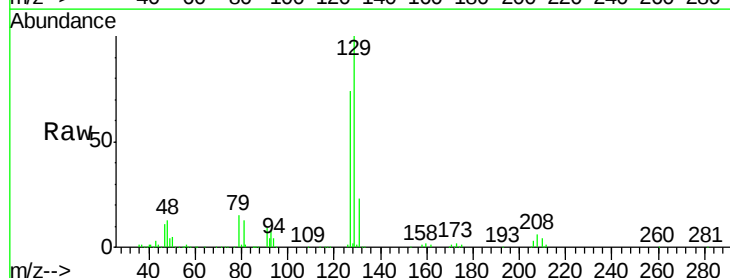
Instrument :
MSVOA_N
ClientSampleId :

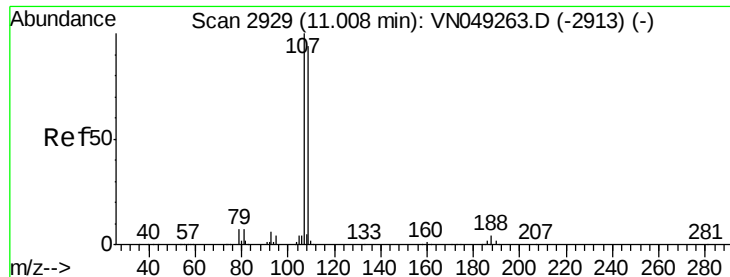
Tot Ion: 43 Resp: 1166546
Ion Ratio Lower Upper
43 100
58 54.5 25.2 75.6



#60
Dibromochloromethane
Concen: 20.76 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 129 Resp: 452653
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.19 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

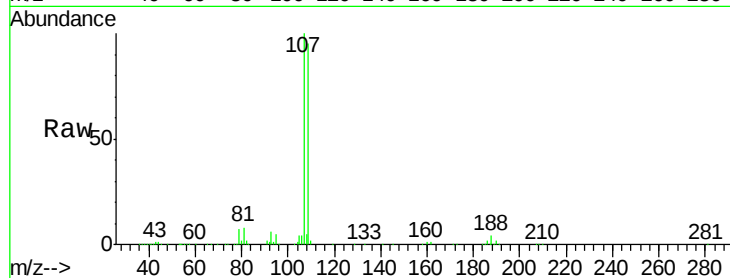
ClientSampled :

Tot Ion: 107 Resp: 384795

Ion Ratio Lower Upper

107 100

109 95.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

100000

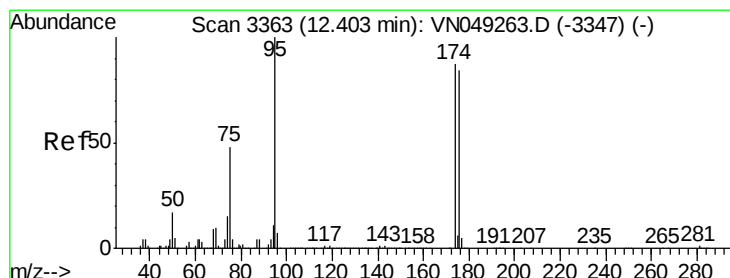
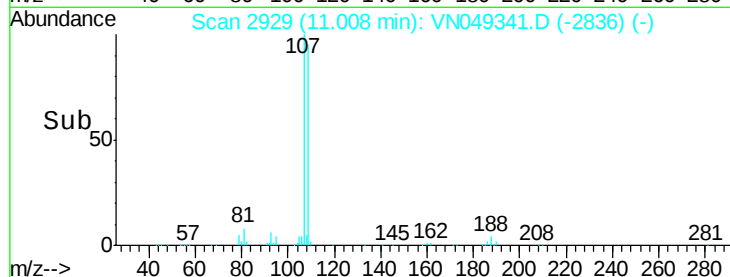
50000

0

Time--> 10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 49.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

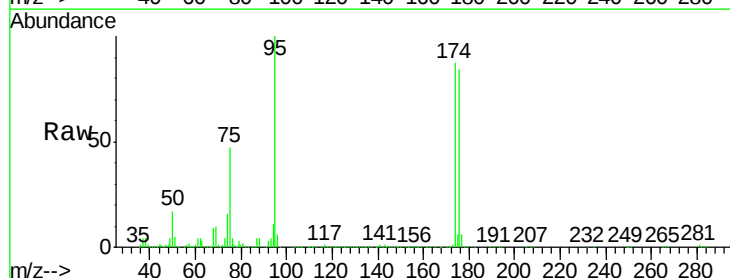
Tgt Ion: 95 Resp: 1271063

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

1000000

800000

600000

400000

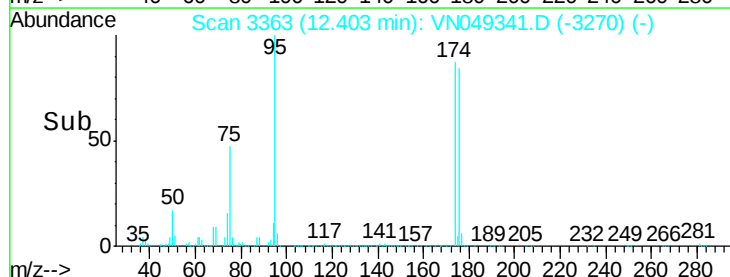
200000

0

Time--> 12.30

12.40

12.50

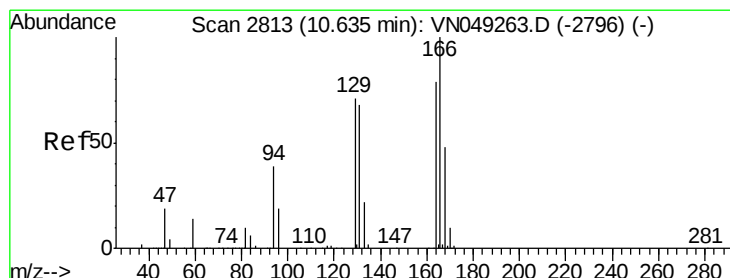
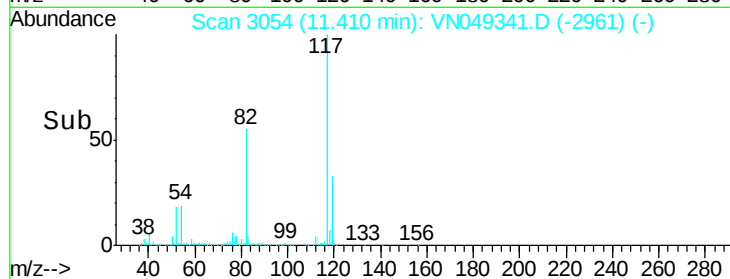
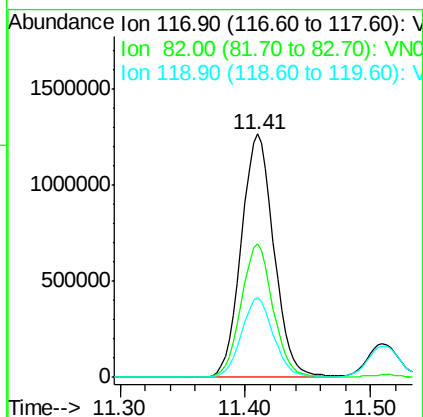
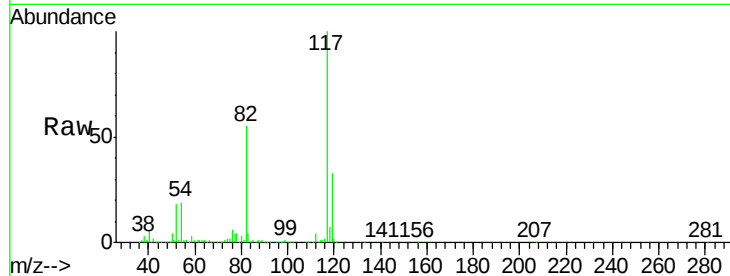




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

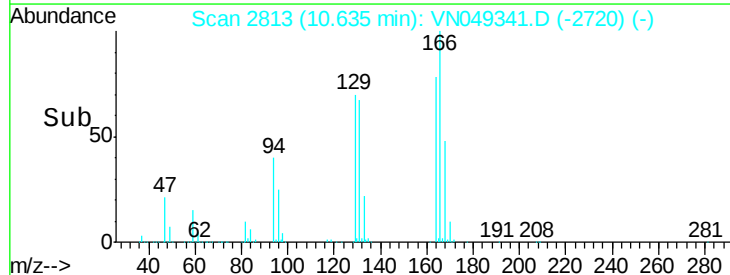
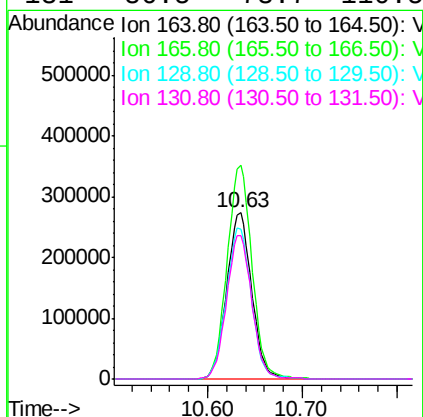
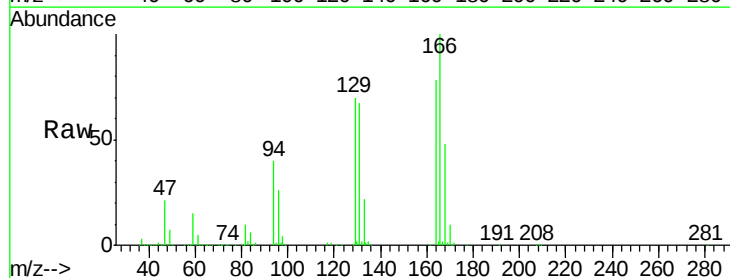
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2286247
Ion Ratio Lower Upper
117 100
82 54.9 45.9 68.9
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 21.40 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion:164 Resp: 501398
Ion Ratio Lower Upper
164 100
166 128.8 101.4 152.2
129 90.5 74.1 111.1
131 86.5 73.7 110.5





#65

Chlorobenzene

Concen: 20.35 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

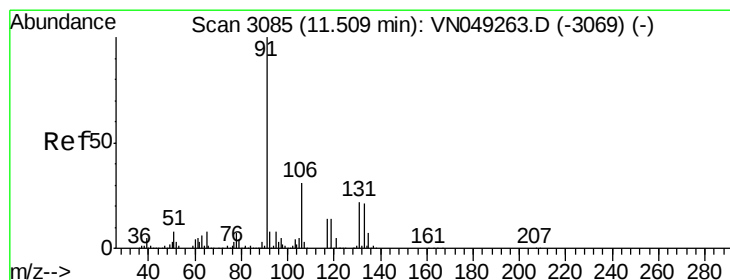
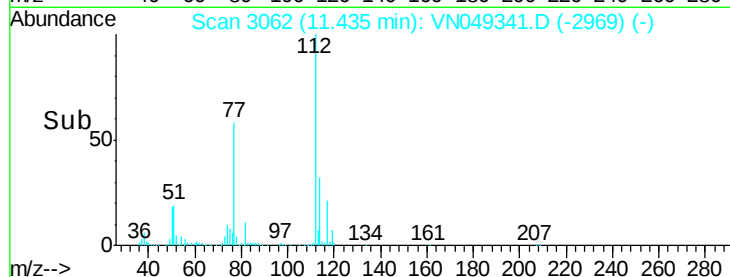
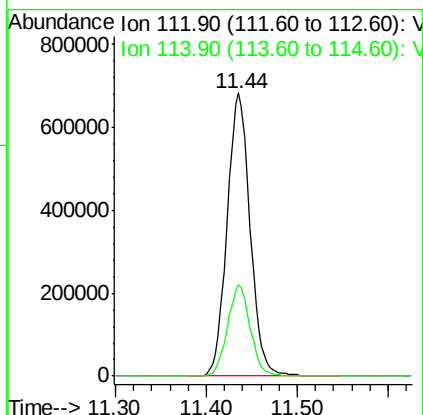
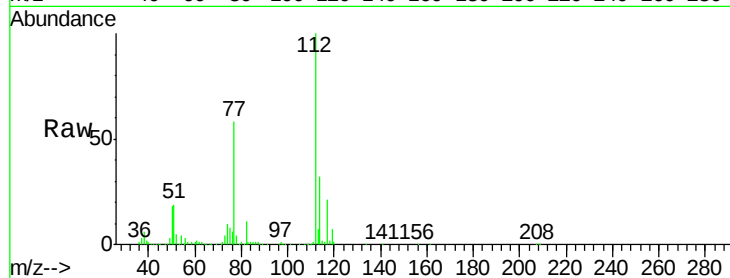
ClientSampleId :

Tot Ion:112 Resp: 1198796

Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.32 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

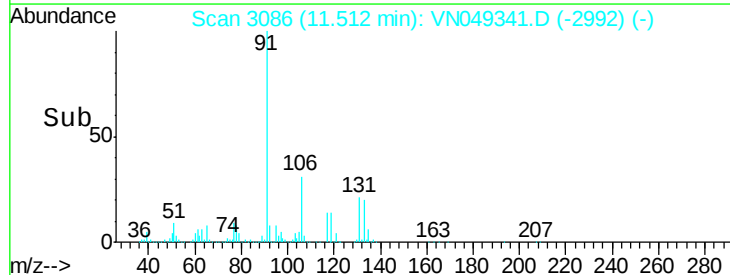
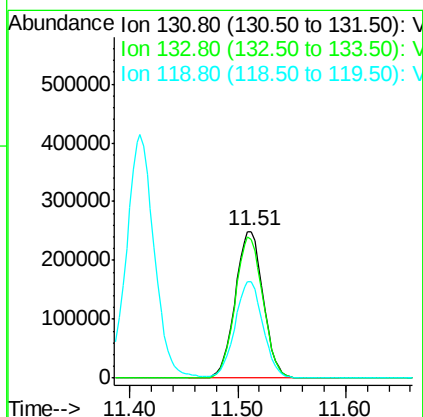
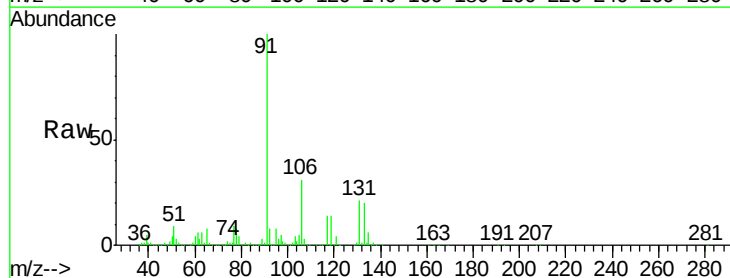
Tgt Ion:131 Resp: 450440

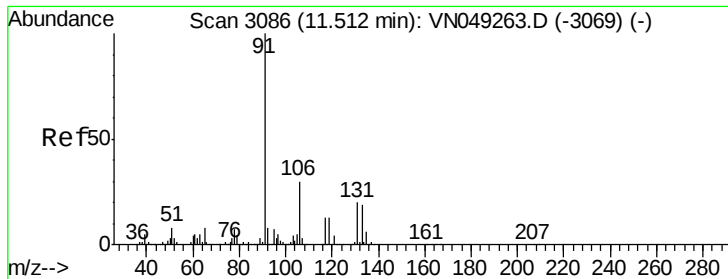
Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 20.99 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

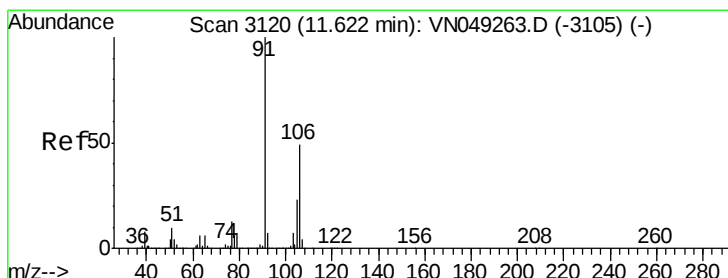
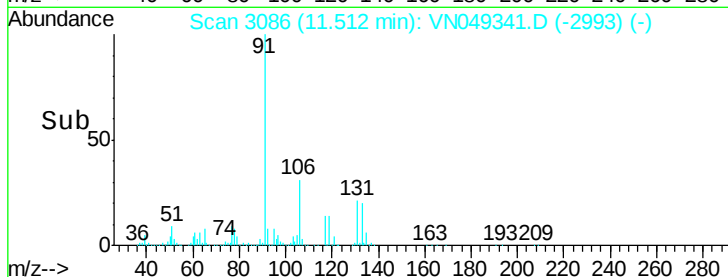
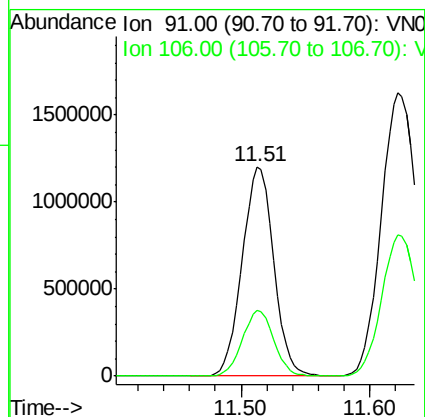
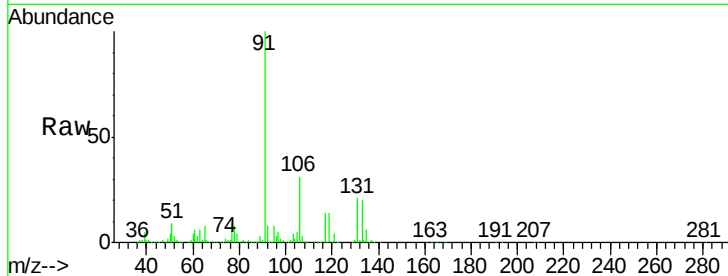
ClientSampleId :

Tot Ion: 91 Resp: 2050584

Ion Ratio Lower Upper

91 100

106 31.3 23.9 35.9



#68

m/p-Xylenes

Concen: 42.92 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049341.D

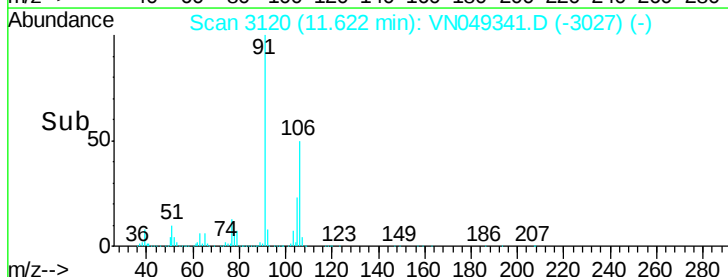
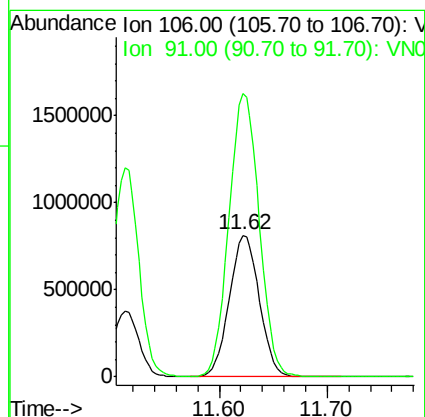
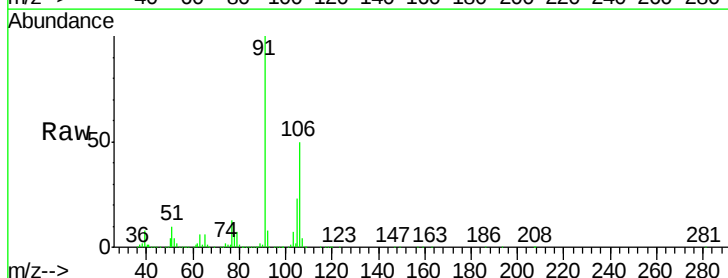
Acq: 18 Jun 2018 14:21

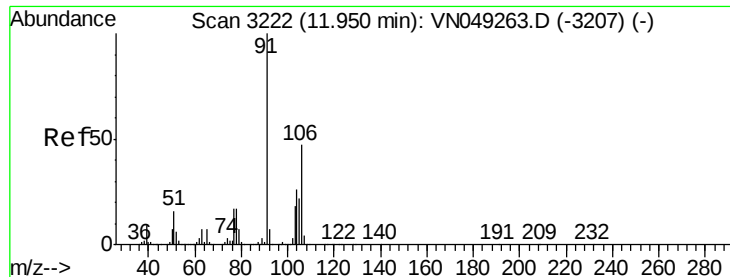
Tgt Ion: 106 Resp: 1573585

Ion Ratio Lower Upper

106 100

91 201.9 167.3 250.9

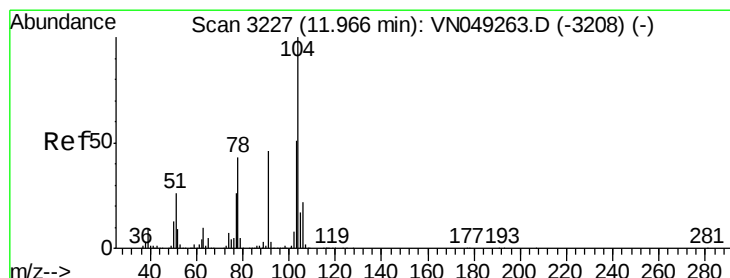
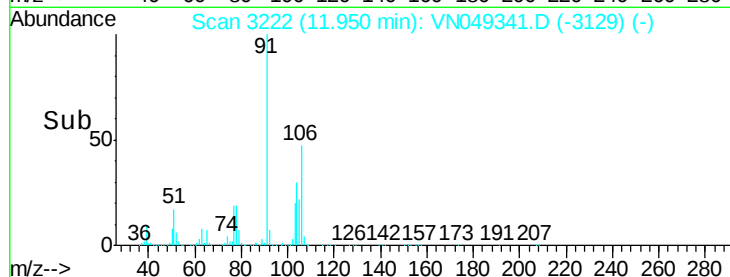
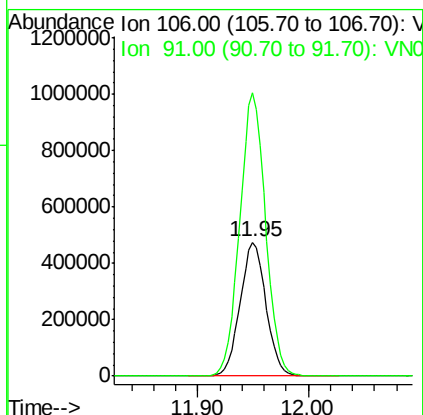
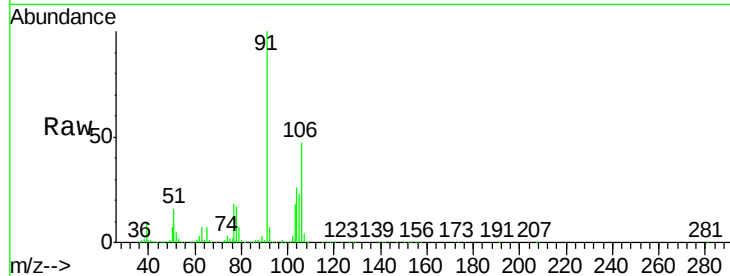




#69
o-Xylene
Concen: 21.83 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

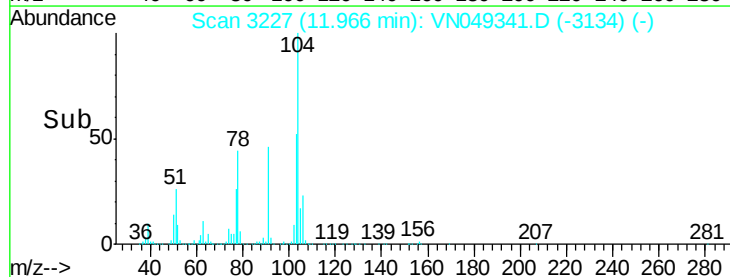
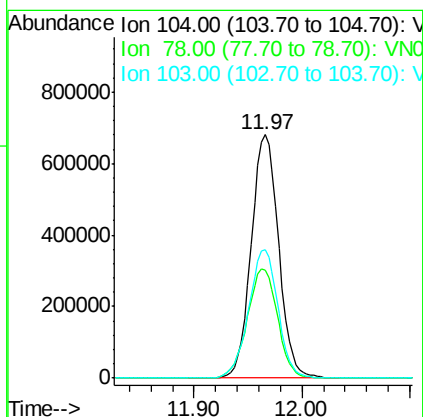
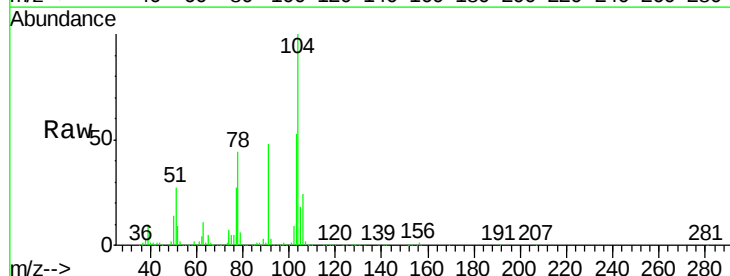
Instrument :
MSVOA_N
ClientSampled :

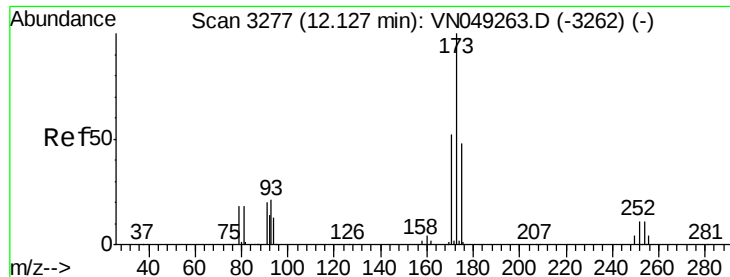
Tot Ion:106 Resp: 770690
Ion Ratio Lower Upper
106 100
91 211.2 111.0 333.0



#70
Styrene
Concen: 21.54 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion:104 Resp: 1200028
Ion Ratio Lower Upper
104 100
78 49.6 41.6 62.4
103 56.4 45.4 68.2





#71

Bromoform

Concen: 20.70 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

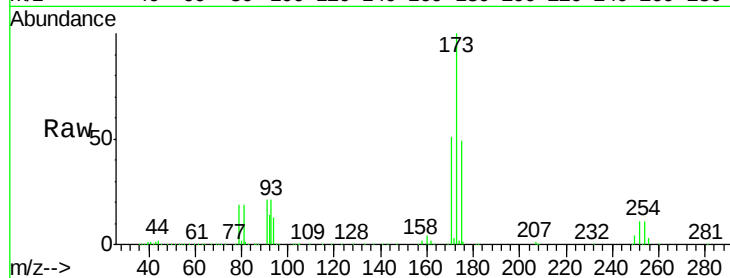
Tot Ion:173 Resp: 297016

Ion Ratio Lower Upper

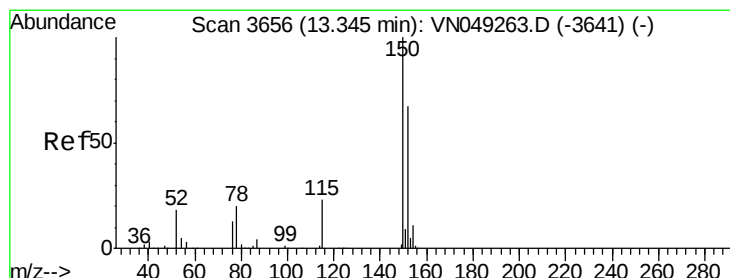
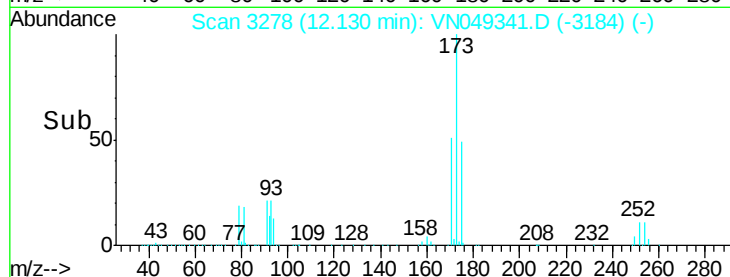
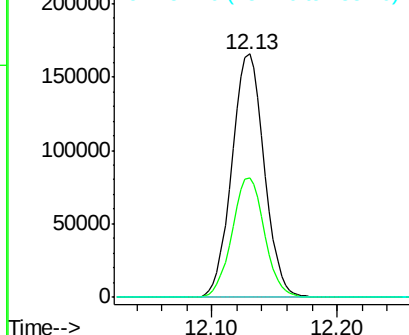
173 100

175 49.3 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

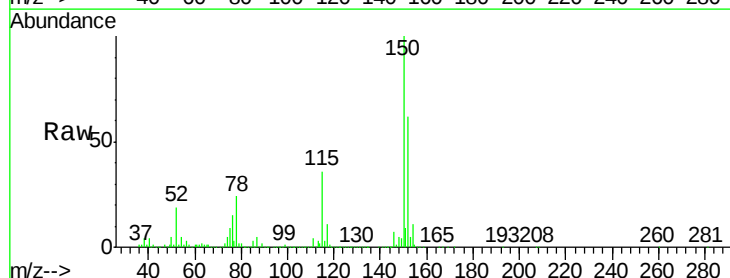
Tgt Ion:152 Resp: 1082447

Ion Ratio Lower Upper

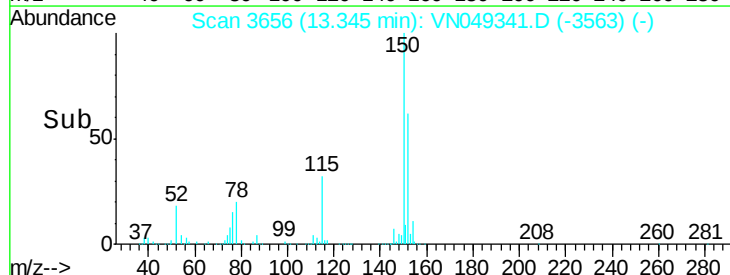
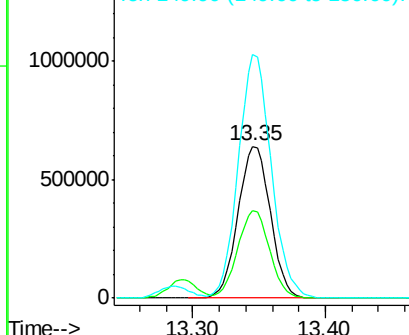
152 100

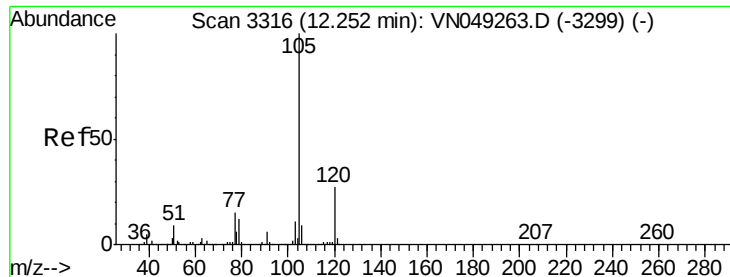
115 56.7 28.7 86.1

150 163.7 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: 21.17 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

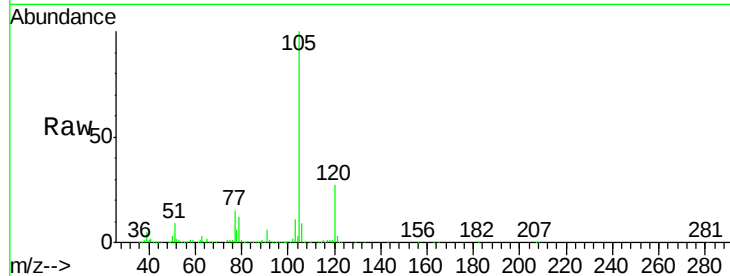
ClientSampled :

Tot Ion:105 Resp: 2012154

Ion Ratio Lower Upper

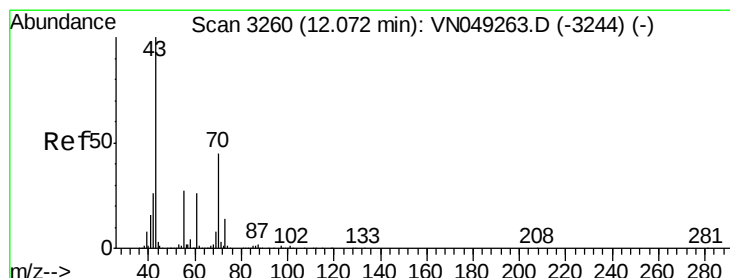
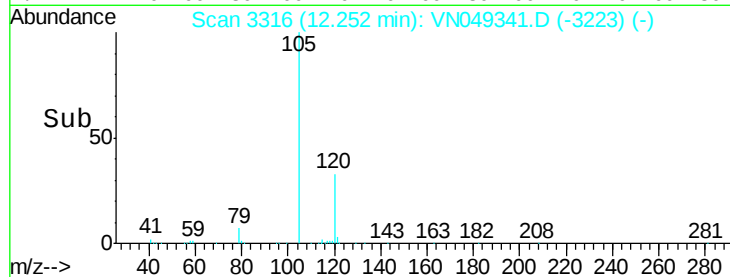
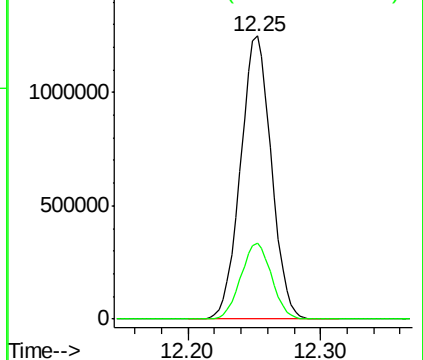
105 100

120 26.9 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: 22.13 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion: 43 Resp: 515162

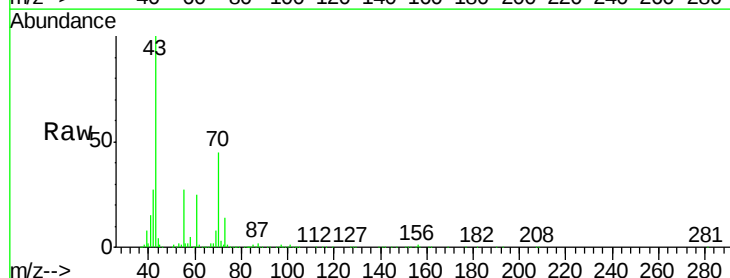
Ion Ratio Lower Upper

43 100

70 44.4 30.3 45.5

55 27.3 19.4 29.2

61 25.0 17.8 26.6

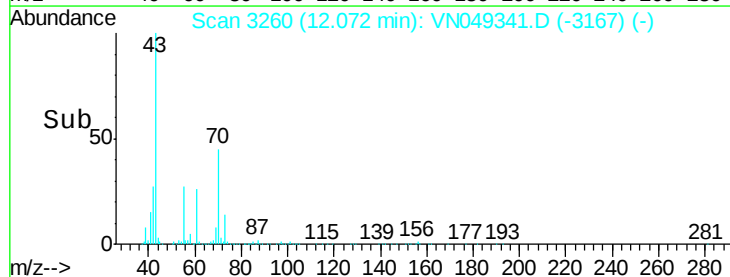
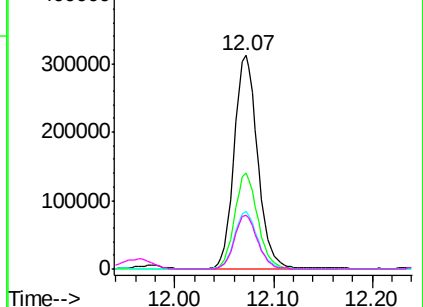


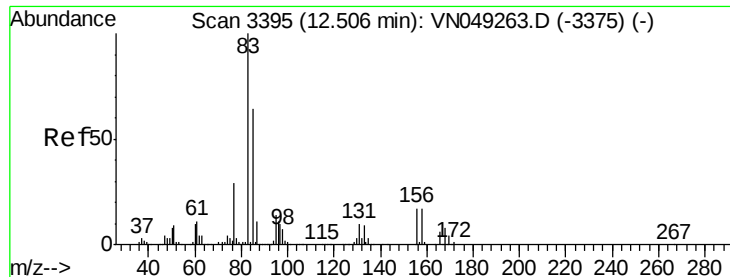
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.05 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

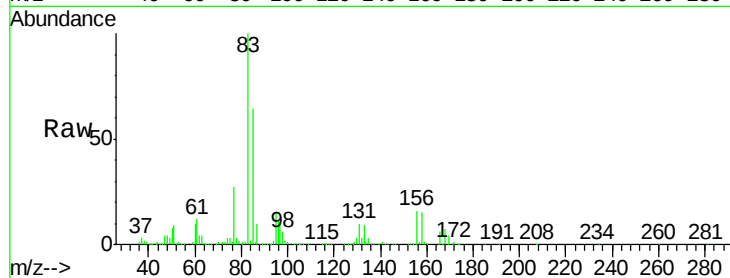
Tot Ion: 83 Resp: 474350

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	63.6	32.0	96.0

83 100

131 10.6 5.0 15.0

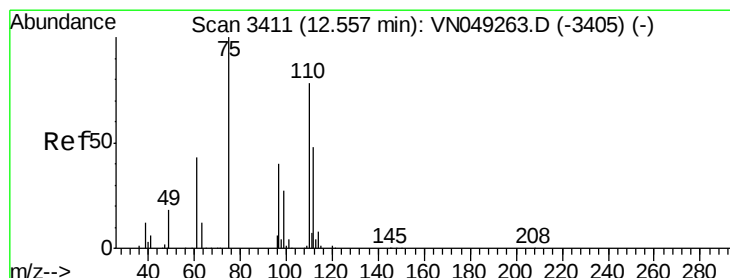
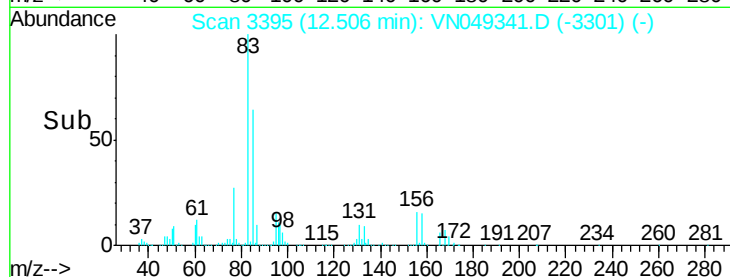
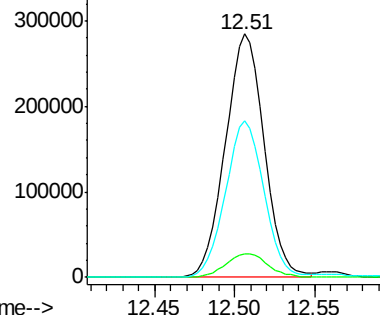
85 63.6 32.0 96.0



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: 32.02 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049341.D

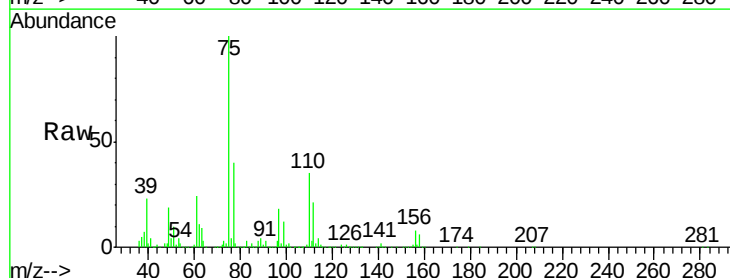
Acq: 18 Jun 2018 14:21

Tgt Ion: 75 Resp: 591462

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

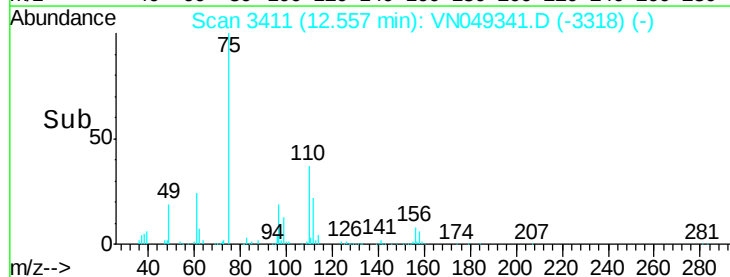
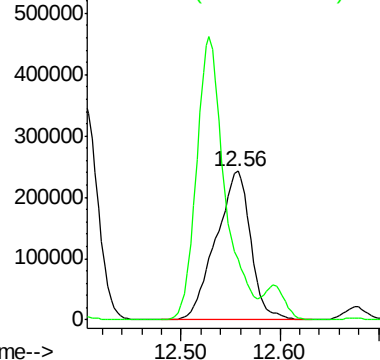
75 100

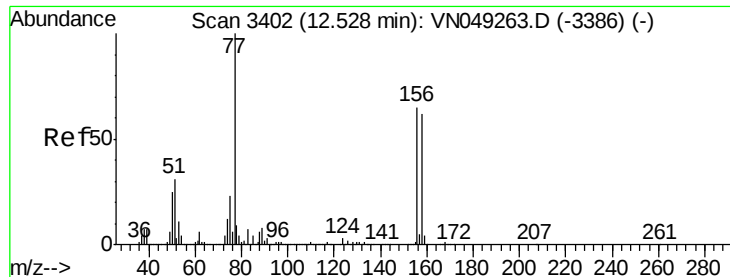
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.00 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampled :

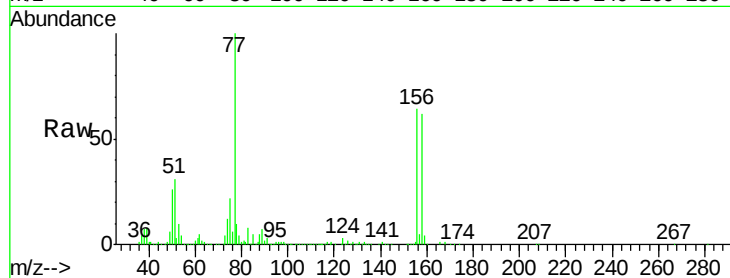
Tot Ion:156 Resp: 527084

Ion Ratio Lower Upper

156 100

77 176.6 100.8 302.4

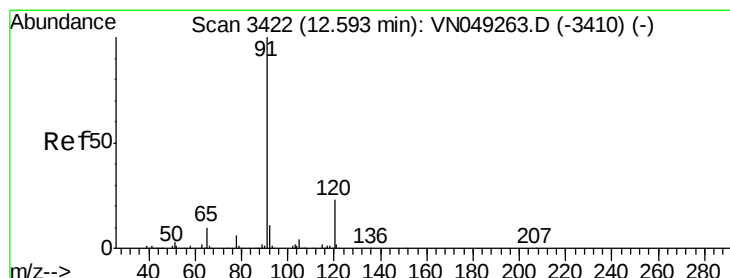
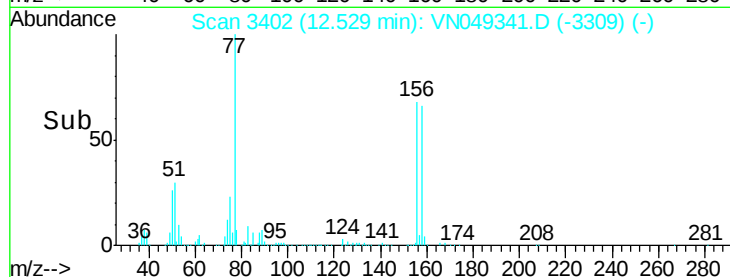
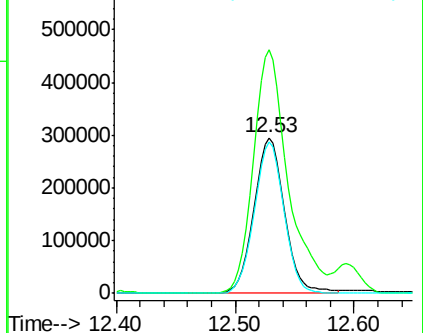
158 93.7 49.3 147.9



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: 21.44 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049341.D

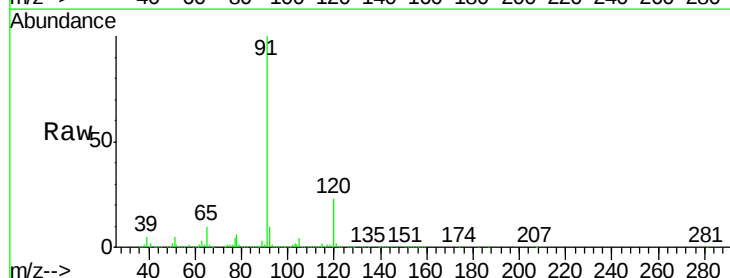
Acq: 18 Jun 2018 14:21

Tgt Ion: 91 Resp: 2237227

Ion Ratio Lower Upper

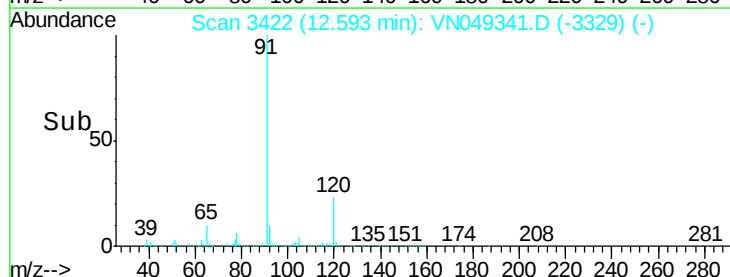
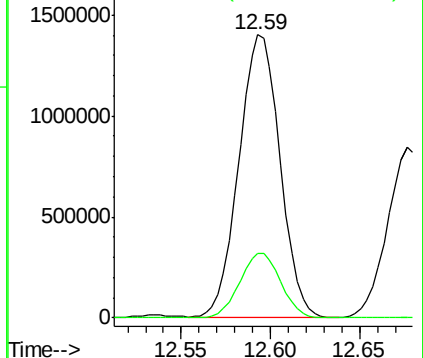
91 100

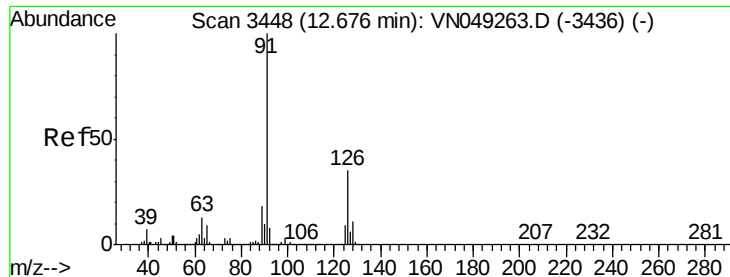
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

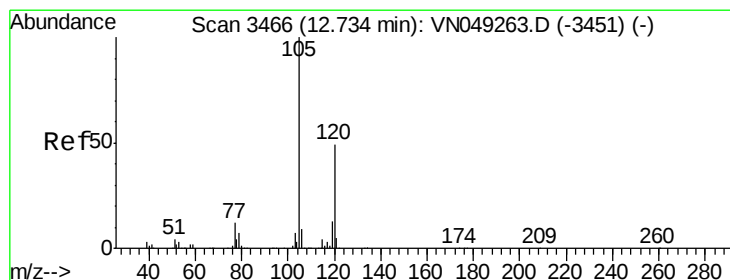
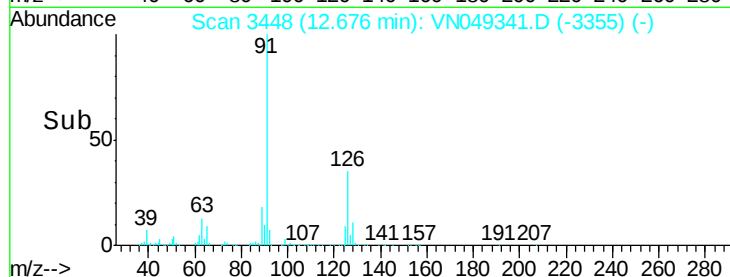
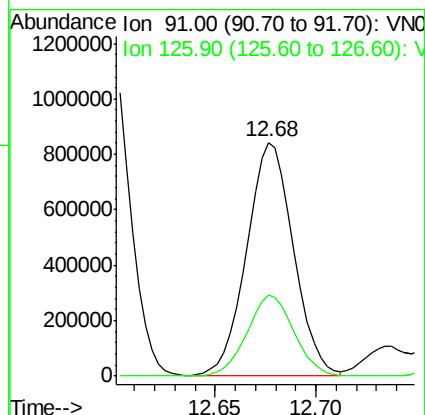
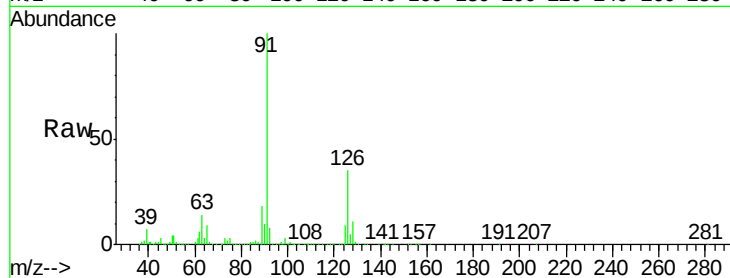
ClientSampled :

Tot Ion: 91 Resp: 1360550

Ion Ratio Lower Upper

91 100

126 35.0 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 21.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049341.D

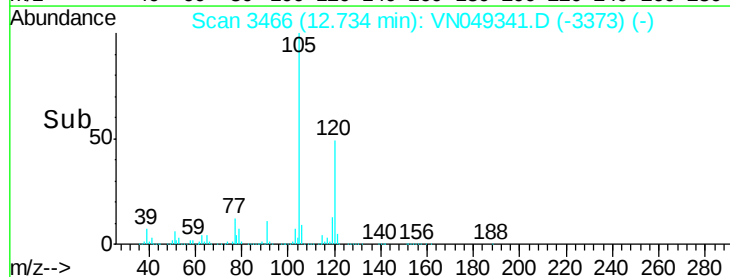
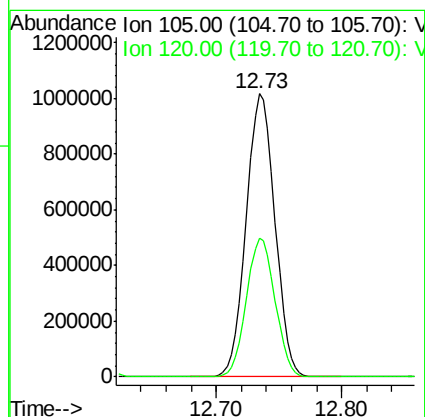
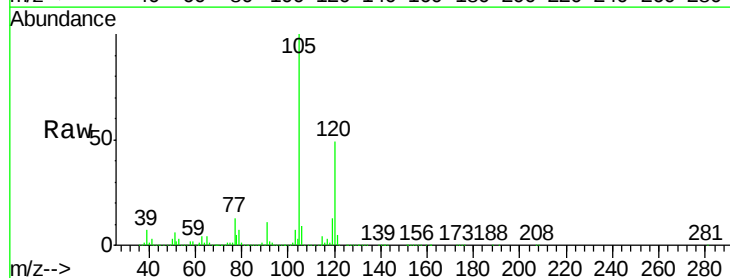
Acq: 18 Jun 2018 14:21

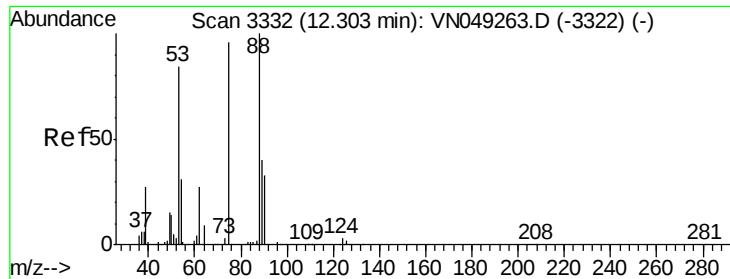
Tgt Ion: 105 Resp: 1609360

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.92 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

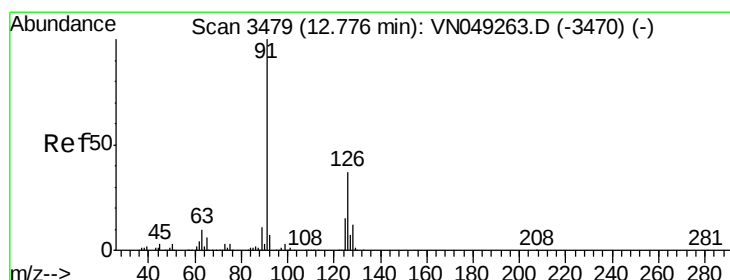
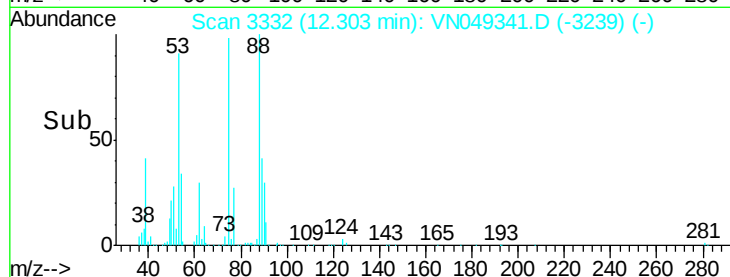
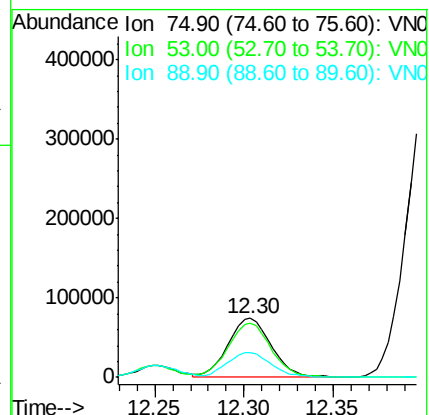
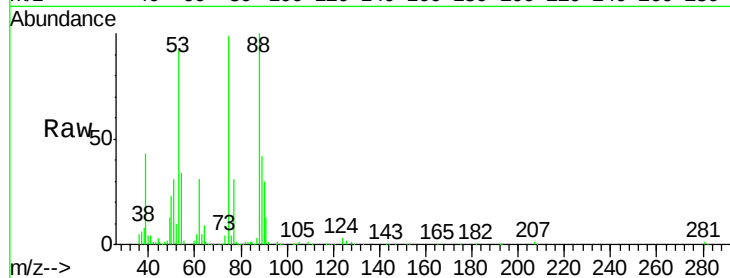
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 122276

Ion	Ratio	Lower	Upper
75	100		
53	94.4	82.7	124.1
89	43.9	36.5	54.7



#82

4-Chlorotoluene

Concen: 20.97 ug/l

RT: 12.78 min Scan# 3479

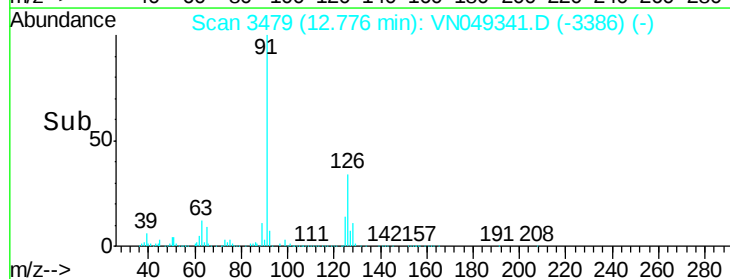
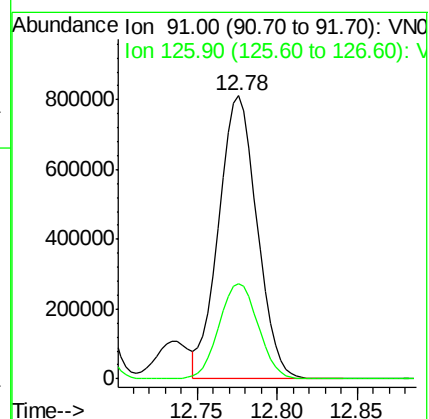
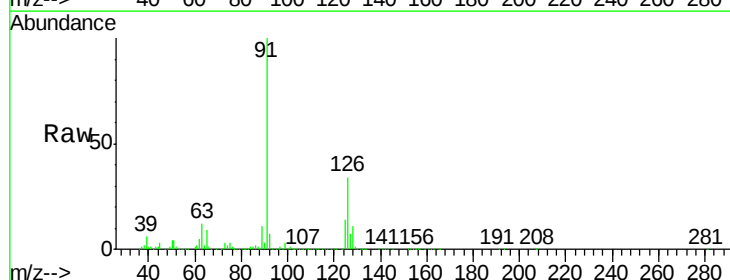
Delta R.T. 0.00 min

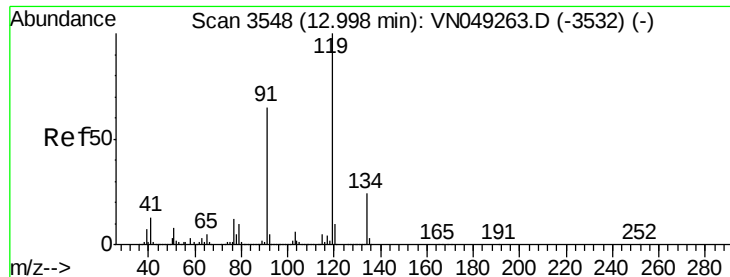
Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Tgt Ion: 91 Resp: 1337632

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 21.26 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

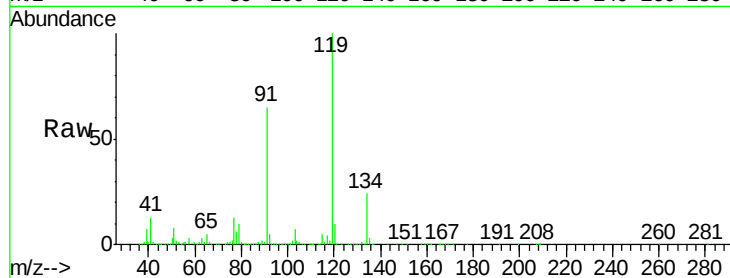
Tot Ion:119 Resp: 1406889

Ion Ratio Lower Upper

119 100

91 63.0 33.7 101.0

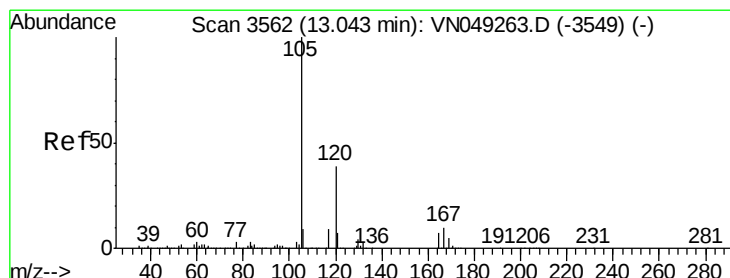
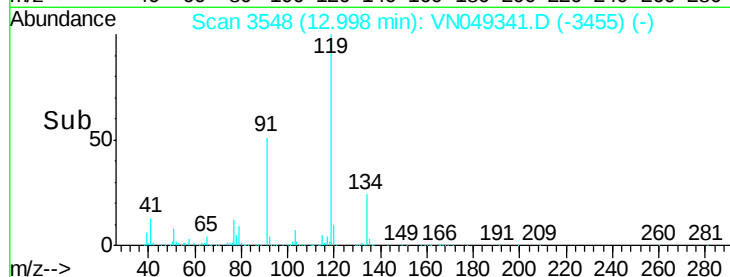
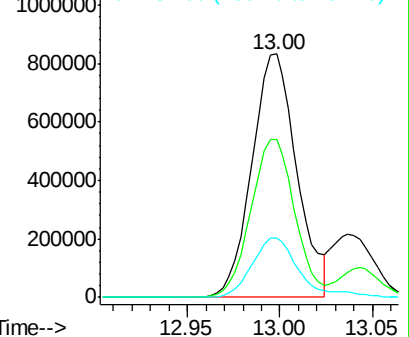
134 25.7 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.66 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049341.D

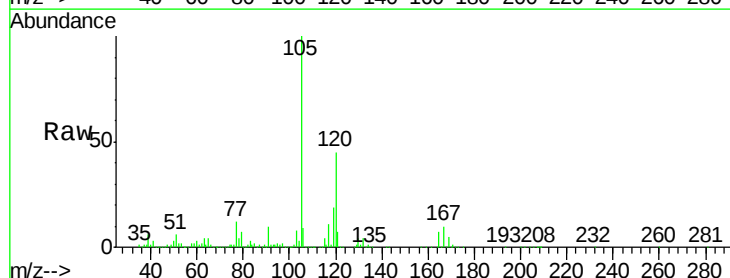
Acq: 18 Jun 2018 14:21

Tgt Ion:105 Resp: 1607131

Ion Ratio Lower Upper

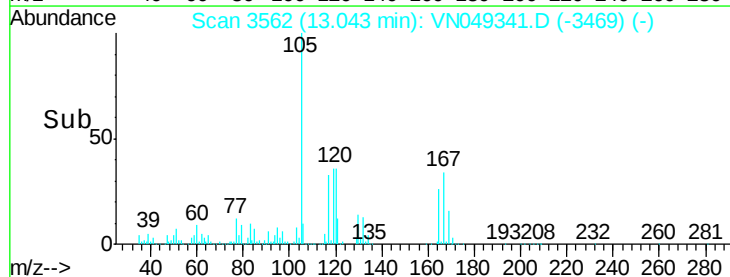
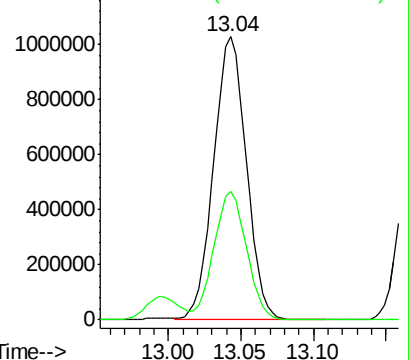
105 100

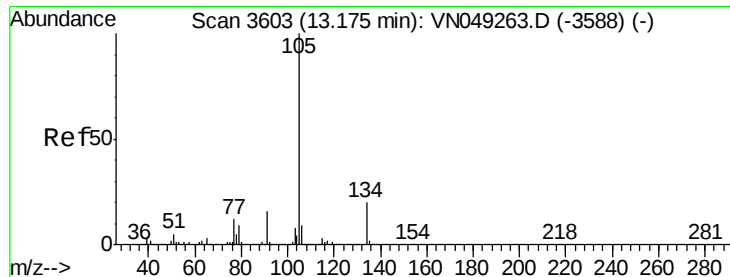
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.85 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

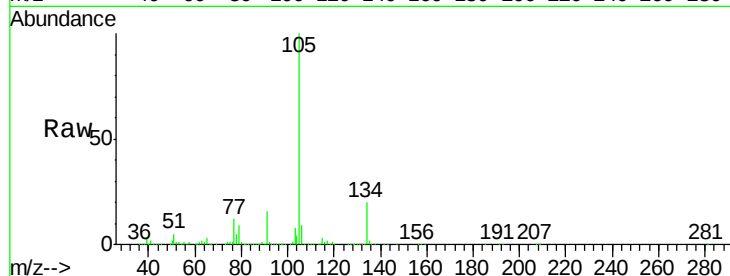
ClientSampleId :

Tot Ion:105 Resp: 1836688

Ion Ratio Lower Upper

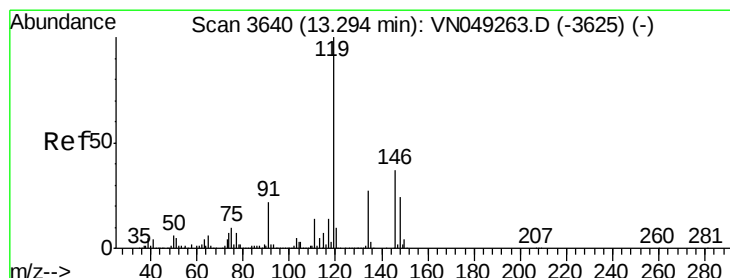
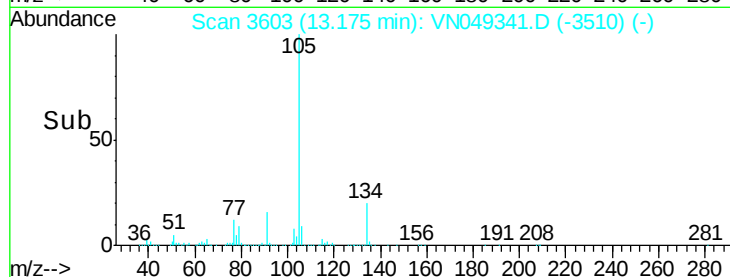
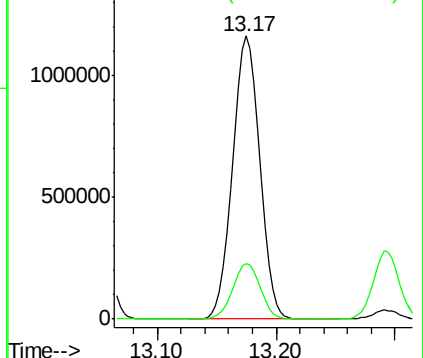
105 100

134 19.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

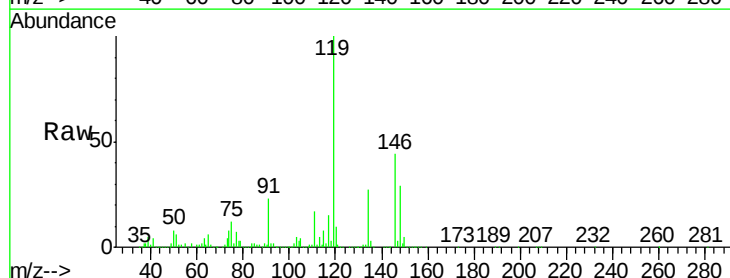
Tgt Ion:119 Resp: 1549352

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

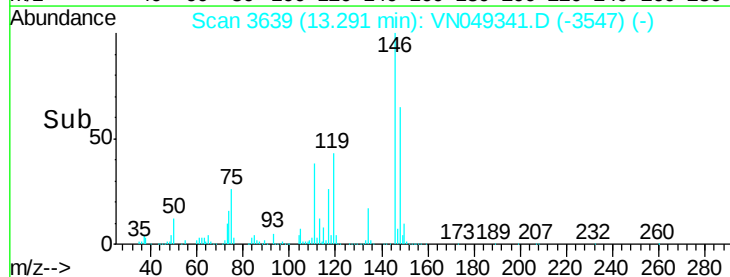
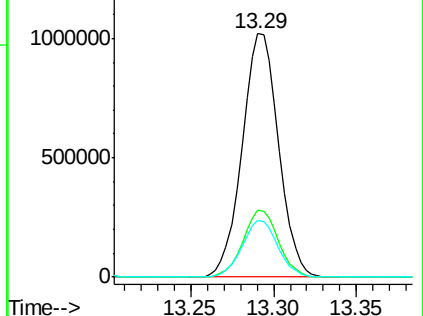
91 23.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

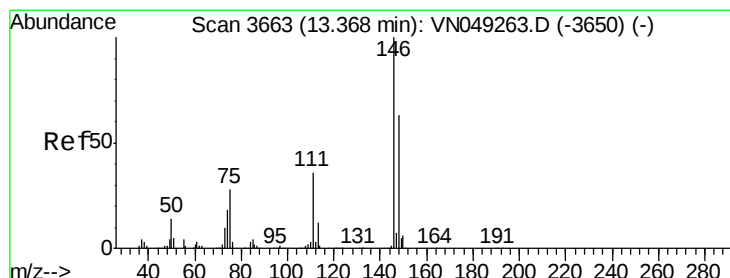
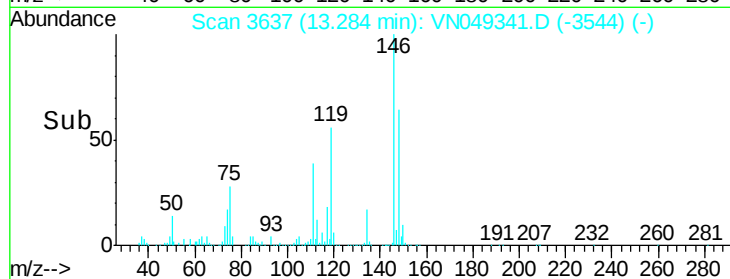
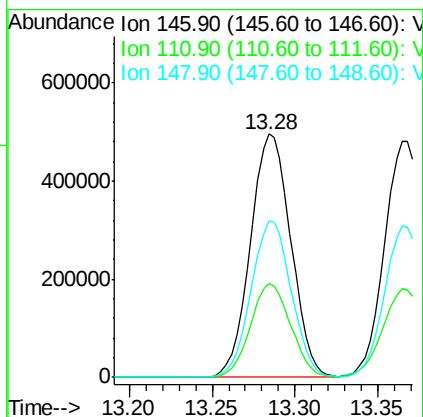
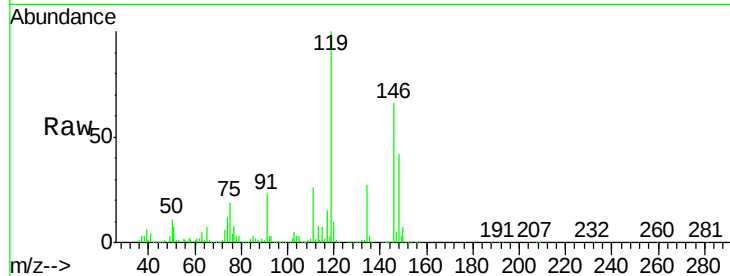




#87
 1,3-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

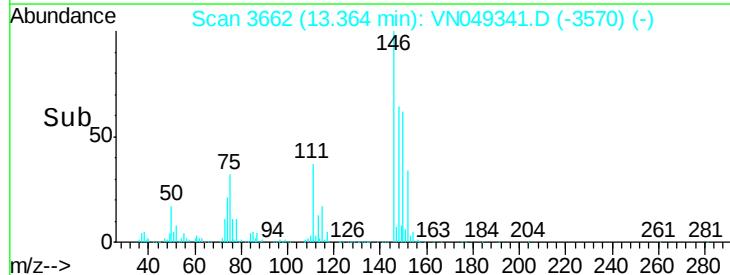
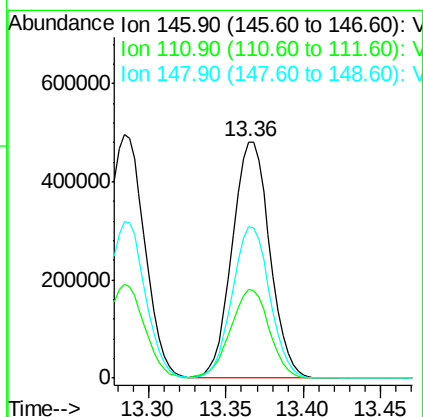
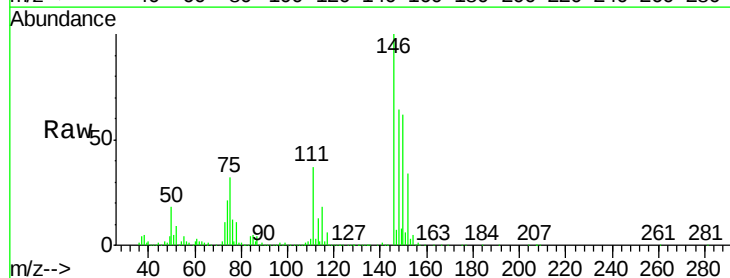
Instrument :
 MSVOA_N
 ClientSampleId :

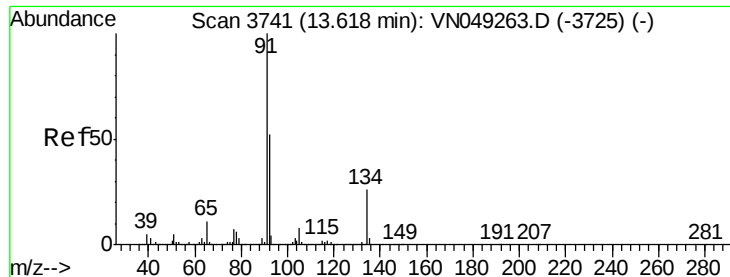
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.0	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.1	32.0	96.2

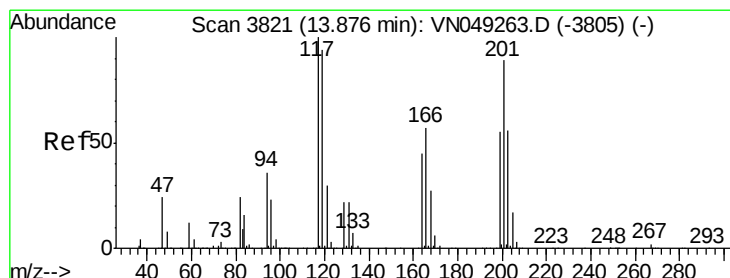
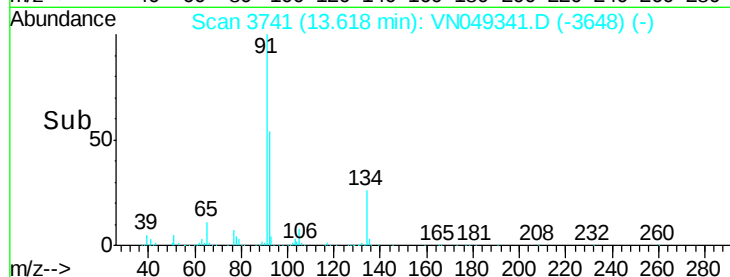
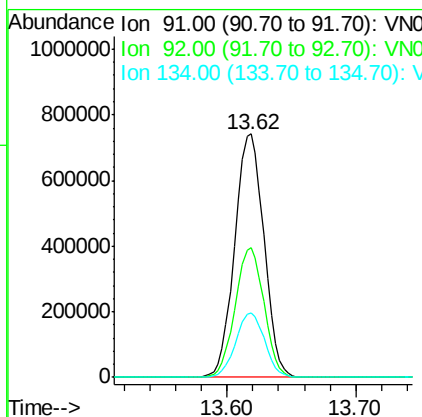
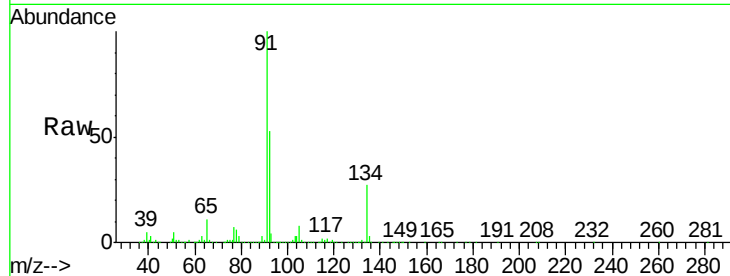




#89
n-Butylbenzene
Concen: 20.30 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

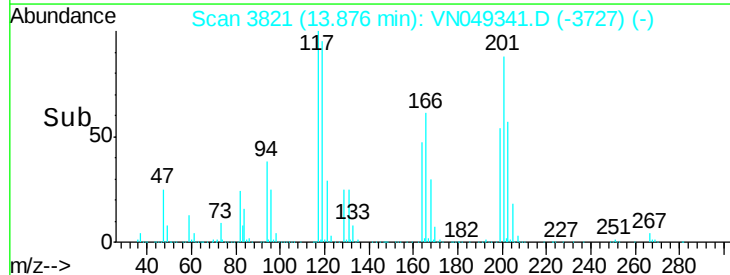
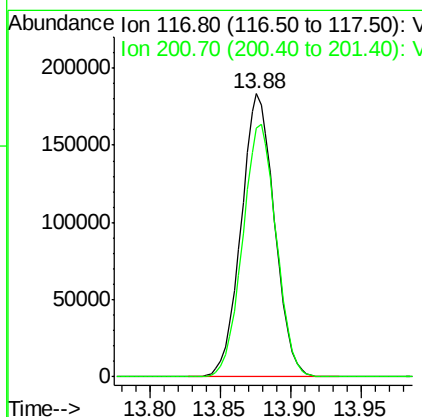
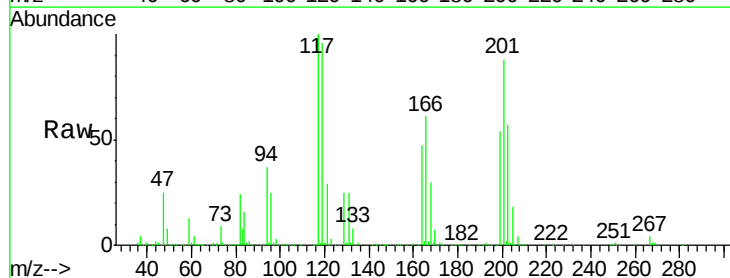
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 1166828
Ion Ratio Lower Upper
91 100
92 52.6 25.1 75.4
134 26.3 12.0 36.0



#90
Hexachloroethane
Concen: 20.75 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion: 117 Resp: 302888
Ion Ratio Lower Upper
117 100
201 90.2 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 20.45 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

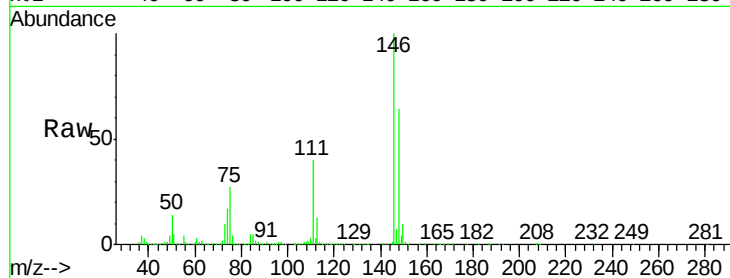
Tot Ion:146 Resp: 828143

Ion Ratio Lower Upper

146 100

111 40.2 20.8 62.2

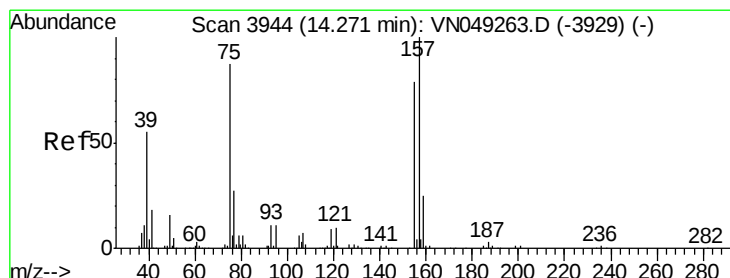
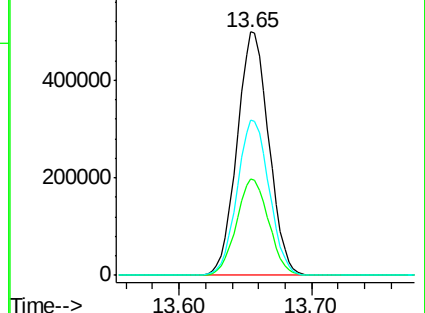
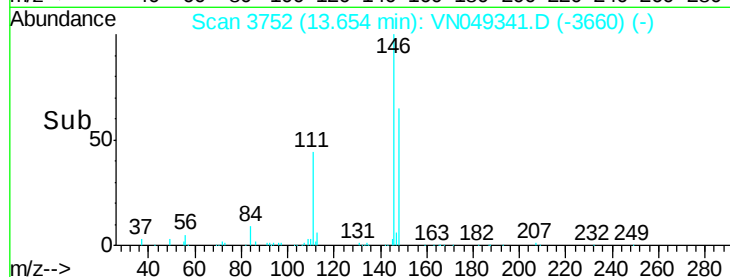
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.17 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049341.D

Acq: 18 Jun 2018 14:21

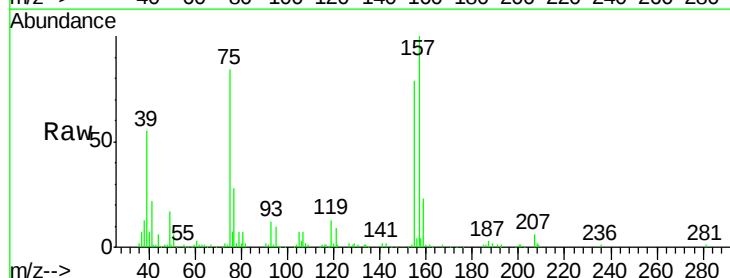
Tgt Ion: 75 Resp: 66749

Ion Ratio Lower Upper

75 100

155 95.6 38.8 116.3

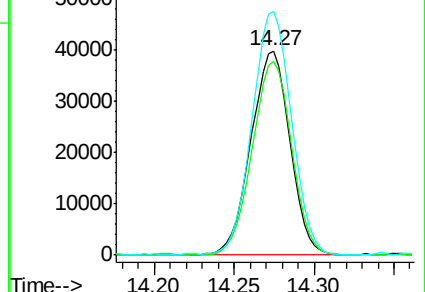
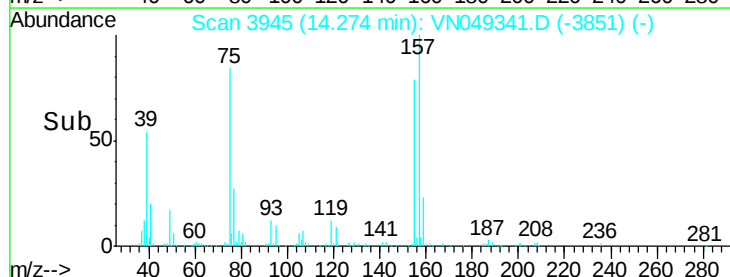
157 120.4 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

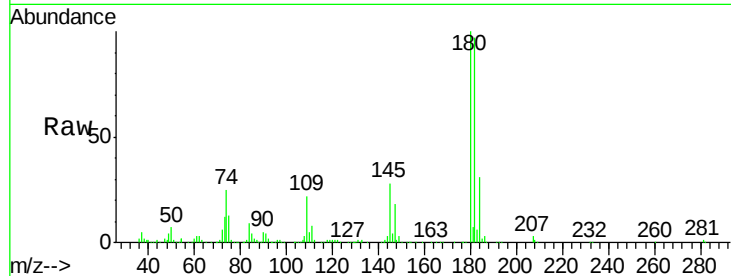




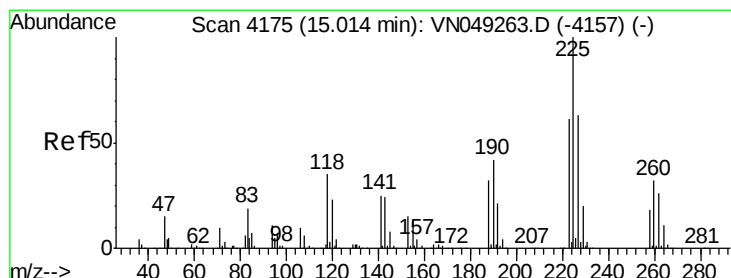
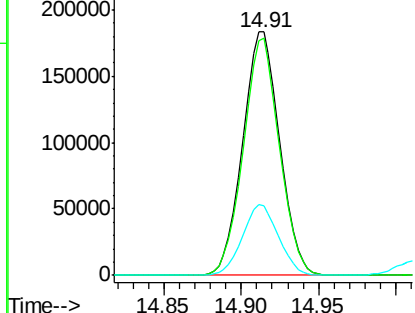
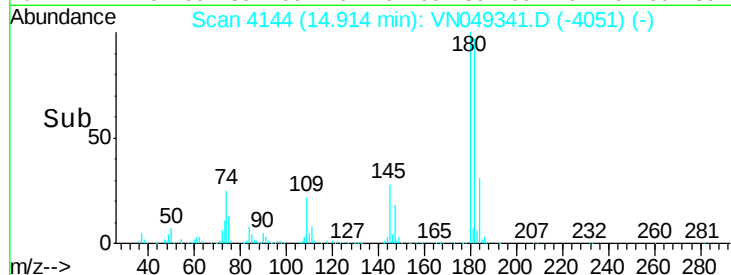
#93
 1,2,4-Trichlorobenzene
 Concen: 19.61 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.8
145	28.2	14.7	44.1

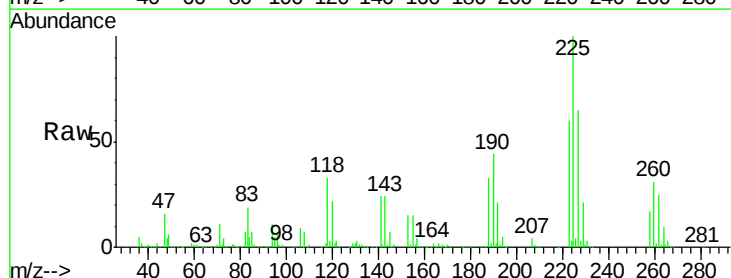


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

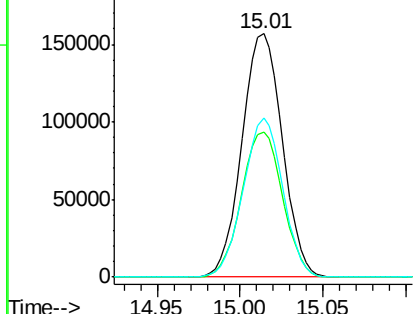
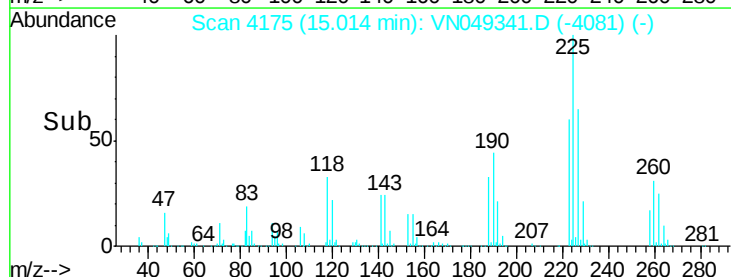


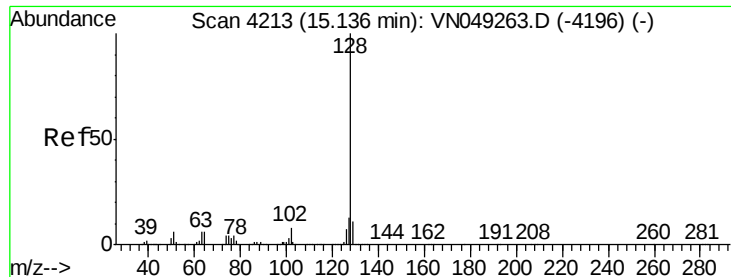
#94
 Hexachlorobutadiene
 Concen: 20.85 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049341.D
 Acq: 18 Jun 2018 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.1	96.3
227	63.8	31.8	95.3



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

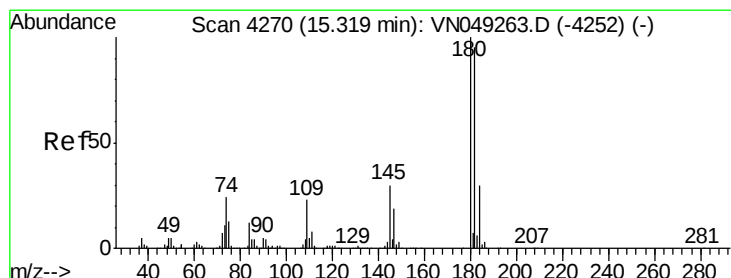
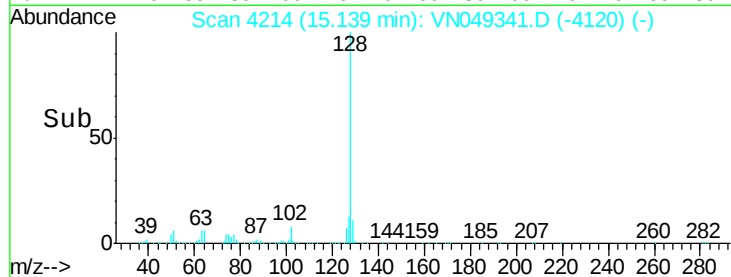
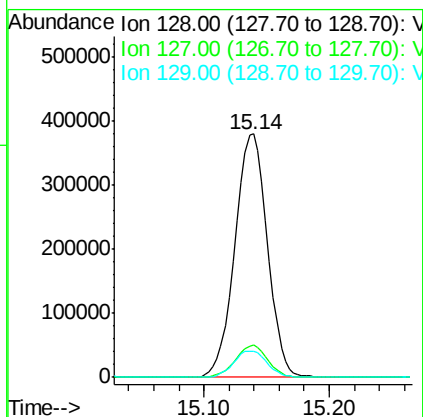
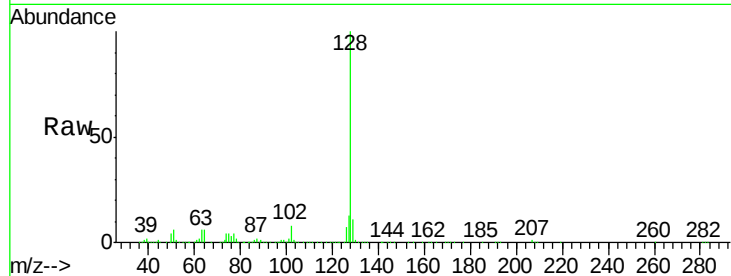




#95
Naphthalene
Concen: 23.45 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 682238
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.71 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049341.D
Acq: 18 Jun 2018 14:21

Tgt Ion:180 Resp: 336324
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.8
145 29.3 15.6 46.7

