

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051242.D
 Acq On : 16 Sep 2018 00:06
 Operator : MD\SY
 Sample : VN0915WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	292316	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
35) Dibromofluoromethane	7.59	113	294025	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
50) Toluene-d8	10.09	98	1072886	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	
62) 4-Bromofluorobenzene	12.40	95	322579	39.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109022	18.70	ug/l	96
3) Chloromethane	2.06	50	144917	18.91	ug/l	99
4) Vinyl Chloride	2.19	62	148203	18.52	ug/l	98
5) Bromomethane	2.57	94	88216	18.92	ug/l	100
6) Chloroethane	2.70	64	87878	17.79	ug/l	97
7) Trichlorofluoromethane	3.01	101	201474	19.00	ug/l	99
8) Diethyl Ether	3.41	74	65355	16.76	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123148	18.01	ug/l	100
10) Methyl Iodide	3.95	142	100668	19.60	ug/l	99
11) Tert butyl alcohol	4.80	59	32350	62.95	ug/l	98
12) 1,1-Dichloroethene	3.74	96	112806	17.49	ug/l	99
13) Acrolein	3.61	56	22277	56.35	ug/l	96
14) Allyl chloride	4.33	41	161335	16.42	ug/l	99
15) Acrylonitrile	5.00	53	178871	78.55	ug/l	99
16) Acetone	3.82	43	115827	65.31	ug/l	98
17) Carbon Disulfide	4.05	76	350310	18.50	ug/l	98
18) Methyl Acetate	4.33	43	86959	16.14	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	276613	16.23	ug/l	100
20) Methylene Chloride	4.56	84	132951	17.89	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	121314	17.34	ug/l	97
22) Diisopropyl ether	5.96	45	355517	18.23	ug/l	98
23) Vinyl Acetate	5.90	43	1084046	82.13	ug/l	100
24) 1,1-Dichloroethane	5.85	63	223849	18.09	ug/l	99
25) 2-Butanone	6.84	43	174467	65.95	ug/l	99
26) 2,2-Dichloropropane	6.83	77	129543	12.79	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	133864	17.44	ug/l	97
28) Bromochloromethane	7.19	49	83123	15.09	ug/l	100
29) Tetrahydrofuran	7.22	42	119859	72.56	ug/l	98
30) Chloroform	7.37	83	228028	18.52	ug/l	98
31) Cyclohexane	7.66	56	195043	17.53	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	193527	18.45	ug/l	100
36) 1,1-Dichloropropene	7.80	75	170944	17.99	ug/l	99
37) Ethyl Acetate	6.93	43	87441	15.89	ug/l	99
38) Carbon Tetrachloride	7.78	117	178526	19.08	ug/l	100

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 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	176140	16.80	ug/l	95
40) Benzene	8.04	78	521985	18.23	ug/l	100
41) Methacrylonitrile	7.18	41	42206	14.86	ug/l	93
42) 1,2-Dichloroethane	8.13	62	151412	18.14	ug/l	99
43) Isopropyl Acetate	8.17	43	163509	16.83	ug/l #	85
44) Trichloroethene	8.84	130	138751	17.71	ug/l	98
45) 1,2-Dichloropropane	9.12	63	134906	18.23	ug/l	99
46) Dibromomethane	9.21	93	79718	17.65	ug/l	98
47) Bromodichloromethane	9.40	83	167793	18.28	ug/l	99
48) Methyl methacrylate	9.20	41	75776	16.01	ug/l	98
49) 1,4-Dioxane	9.20	88	20613	277.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	413182	76.92	ug/l	99
52) Toluene	10.16	92	319195	18.28	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	149312	16.25	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180874	16.79	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	111984	17.65	ug/l	98
56) Ethyl methacrylate	10.43	69	122911	16.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	184008	17.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	226295	74.61	ug/l	100
59) 2-Hexanone	10.75	43	245442	67.38	ug/l	98
60) Dibromochloromethane	10.90	129	125818	17.60	ug/l	99
61) 1,2-Dibromoethane	11.01	107	107295	17.30	ug/l	99
64) Tetrachloroethene	10.63	164	133190	19.20	ug/l	98
65) Chlorobenzene	11.43	112	341192	17.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	130388	18.89	ug/l	99
67) Ethyl Benzene	11.51	91	555526	17.90	ug/l	100
68) m/p-Xylenes	11.62	106	438971	36.81	ug/l	99
69) o-Xylene	11.95	106	208262	18.03	ug/l	98
70) Styrene	11.96	104	323909	18.08	ug/l	99
71) Bromoform	12.13	173	81736	16.82	ug/l #	98
73) Isopropylbenzene	12.25	105	544243	18.90	ug/l	99
74) N-amyl acetate	12.07	43	103057	14.22	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	126581	18.15	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141732	25.91	ug/l #	100
77) Bromobenzene	12.53	156	140486	18.16	ug/l	97
78) n-propylbenzene	12.59	91	585089	18.48	ug/l	100
79) 2-Chlorotoluene	12.67	91	366532	18.53	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	443336	19.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24586	13.60	ug/l	95
82) 4-Chlorotoluene	12.77	91	353371	17.99	ug/l	98
83) tert-Butylbenzene	12.99	119	378475	18.41	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	437520	19.11	ug/l	100
85) sec-Butylbenzene	13.17	105	486787	18.47	ug/l	99
86) p-Isopropyltoluene	13.29	119	417569	18.68	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	227158	17.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	213590	17.74	ug/l	98
89) n-Butylbenzene	13.62	91	276966	15.92	ug/l	98
90) Hexachloroethane	13.87	117	81847	19.74	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	220954	17.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15033	15.74	ug/l	99

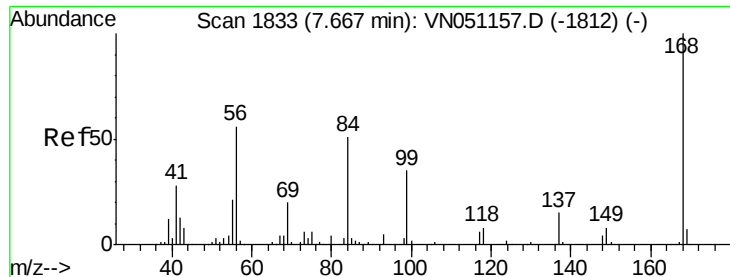
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72025	14.71	ug/l	100
94) Hexachlorobutadiene	15.01	225	73430	18.60	ug/l	99
95) Naphthalene	15.13	128	124236	13.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	77574	15.31	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

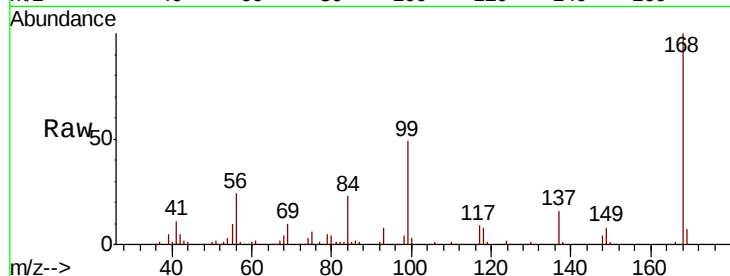
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 604594

Ion Ratio Lower Upper

168 100

99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

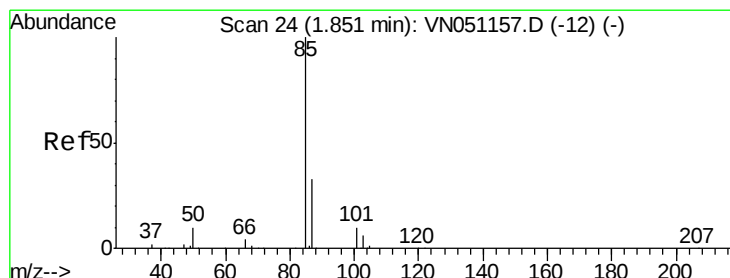
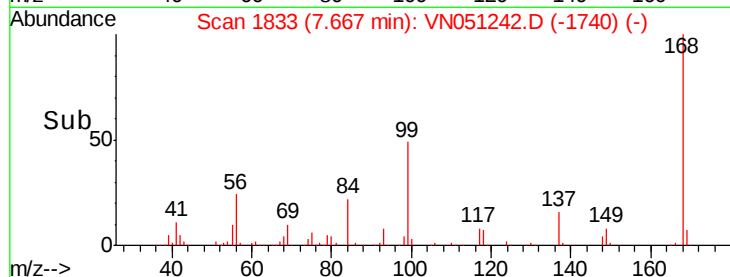
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051242.D

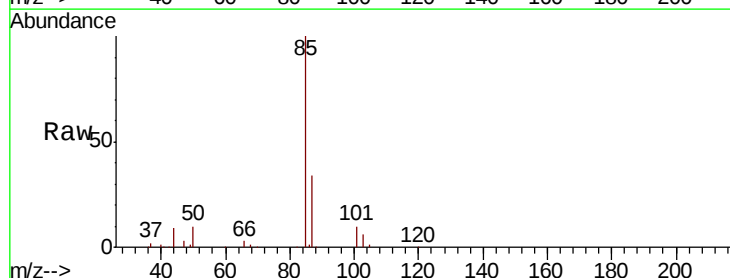
Acq: 16 Sep 2018 00:06

Tgt Ion: 85 Resp: 109022

Ion Ratio Lower Upper

85 100

87 34.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

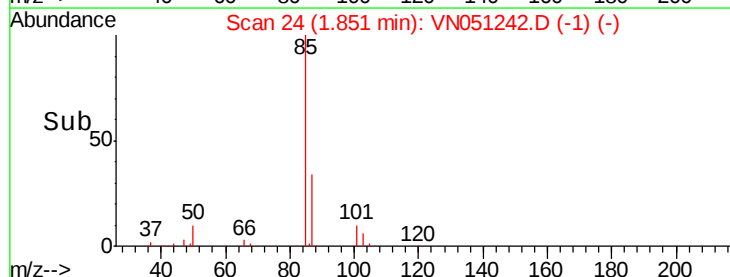
40000

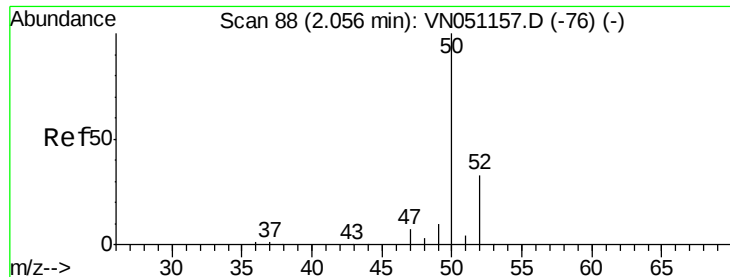
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.91 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

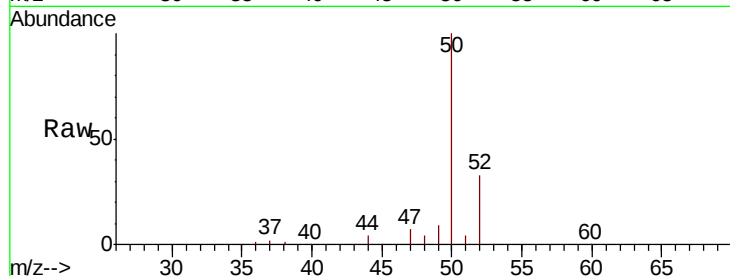
ClientSampled :

Tot Ion: 50 Resp: 144917

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

60000

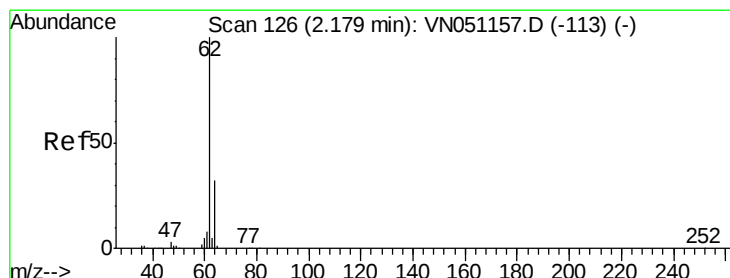
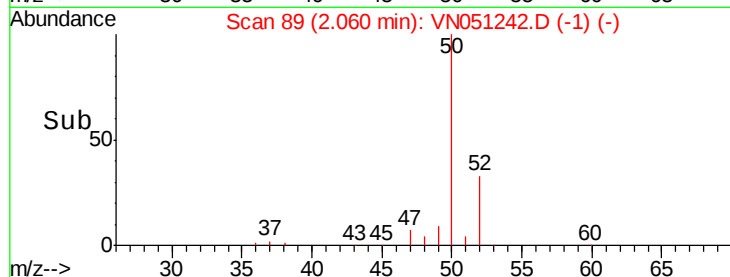
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 18.52 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051242.D

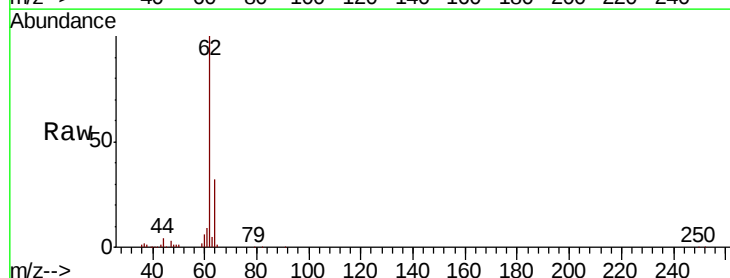
Acq: 16 Sep 2018 00:06

Tgt Ion: 62 Resp: 148203

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

100000

80000

60000

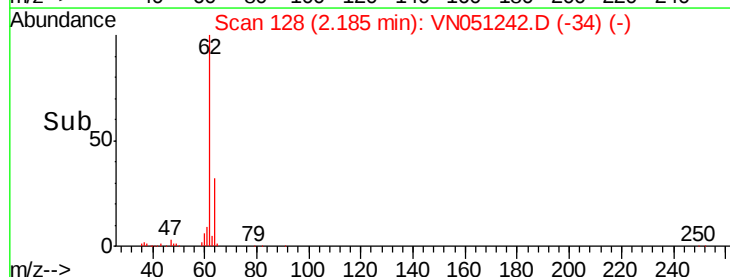
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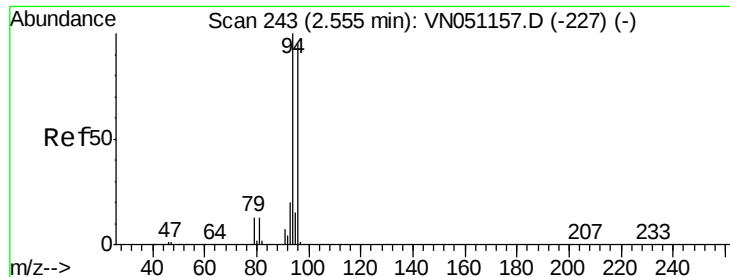
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 18.92 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

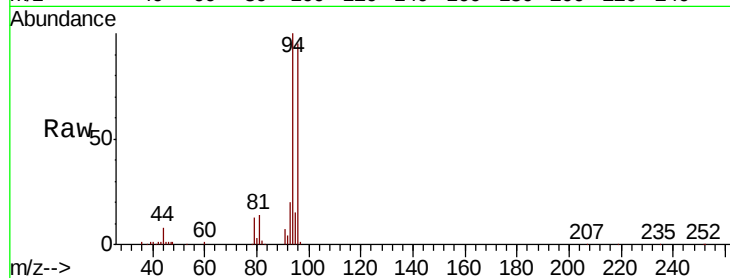
ClientSampled :

Tot Ion: 94 Resp: 88216

Ion Ratio Lower Upper

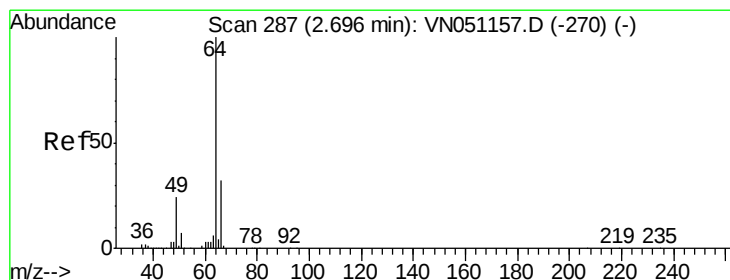
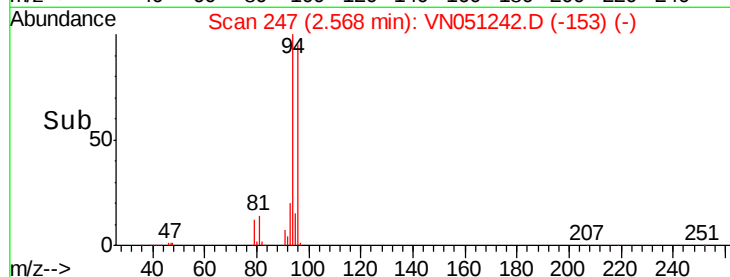
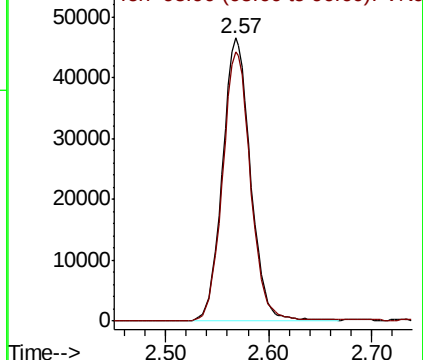
94 100

96 95.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.79 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051242.D

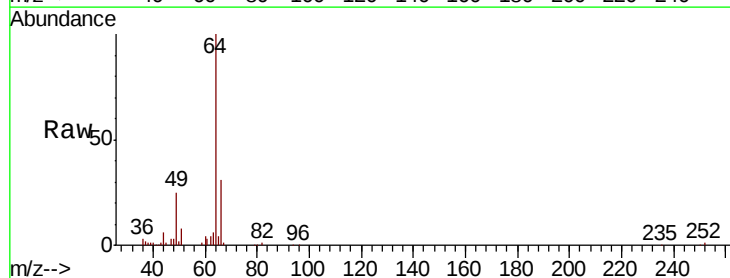
Acq: 16 Sep 2018 00:06

Tgt Ion: 64 Resp: 87878

Ion Ratio Lower Upper

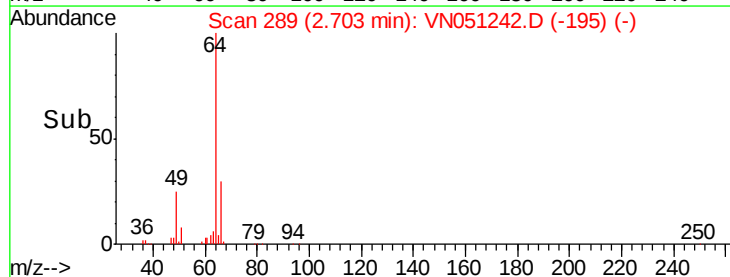
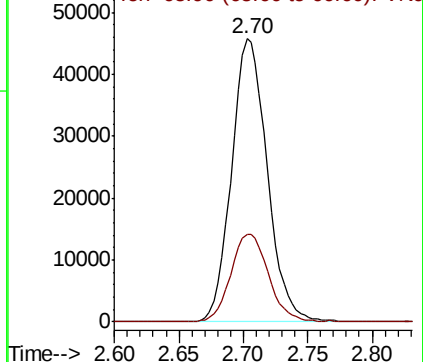
64 100

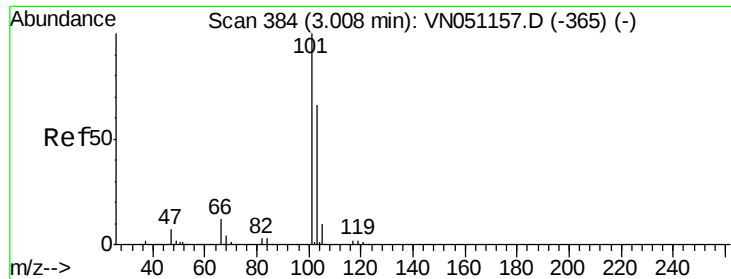
66 30.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.00 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

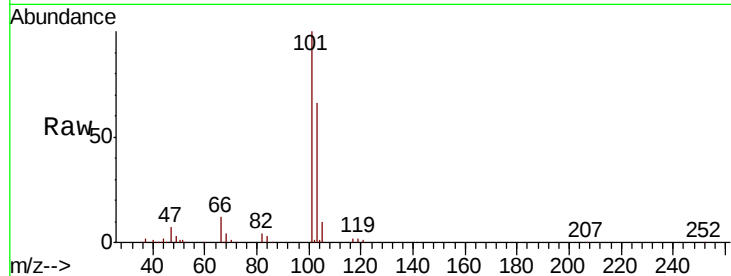
ClientSampled :

Tot Ion:101 Resp: 201474

Ion Ratio Lower Upper

101 100

103 66.0 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

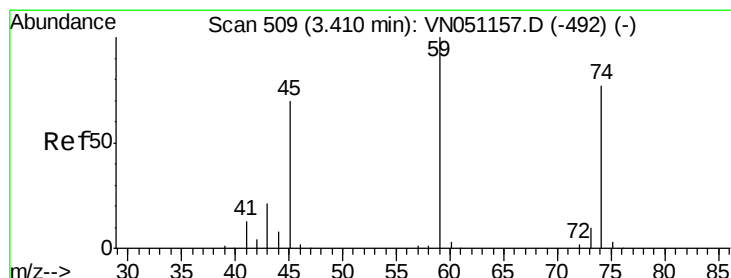
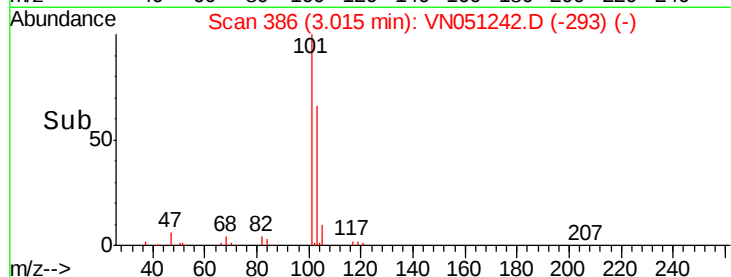
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 16.76 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051242.D

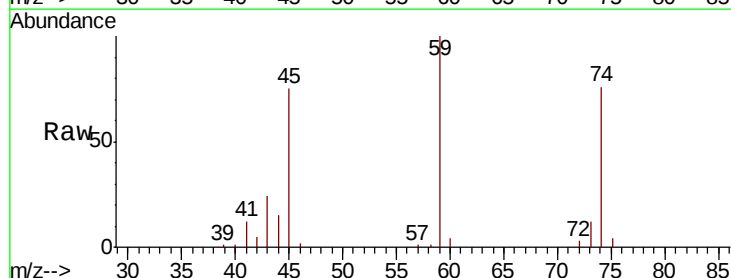
Acq: 16 Sep 2018 00:06

Tgt Ion: 74 Resp: 65355

Ion Ratio Lower Upper

74 100

45 93.5 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

30000

25000

20000

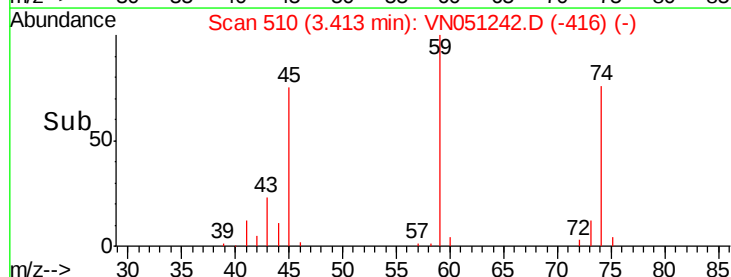
15000

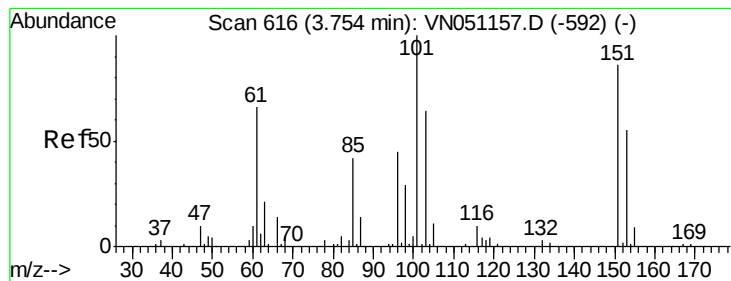
10000

5000

0

Time--> 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.01 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

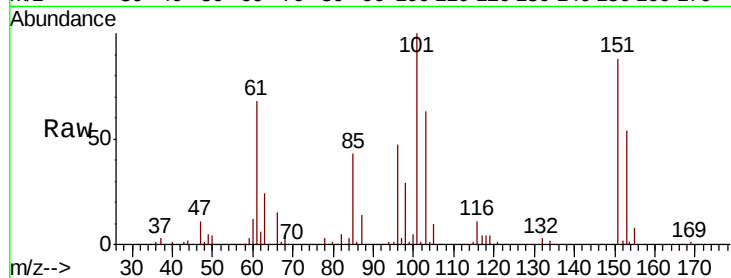
Tot Ion:101 Resp: 123148

Ion Ratio Lower Upper

101 100

85 42.0 33.3 49.9

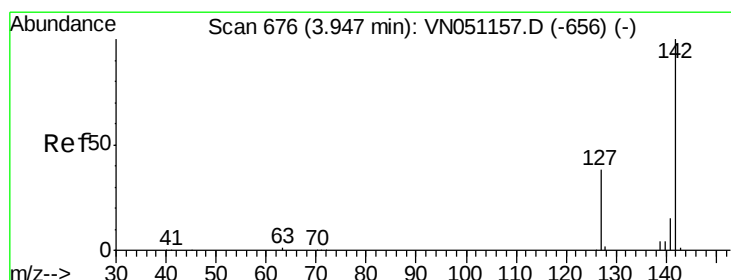
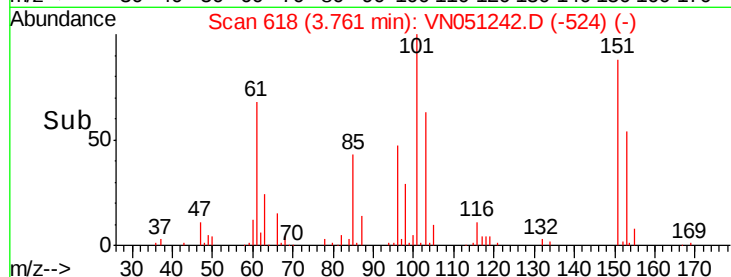
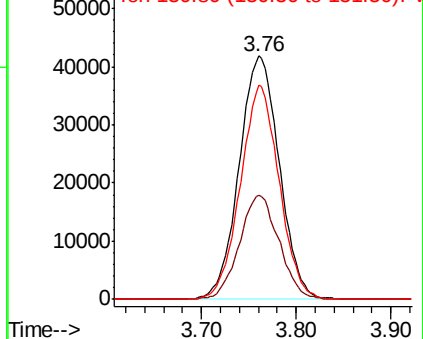
151 84.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.60 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

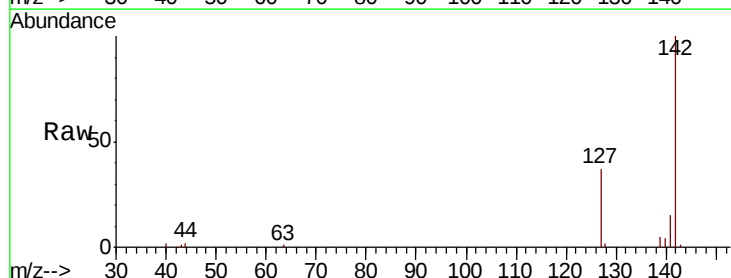
Tgt Ion:142 Resp: 100668

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

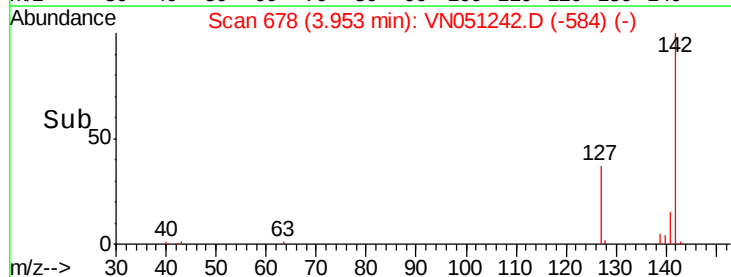
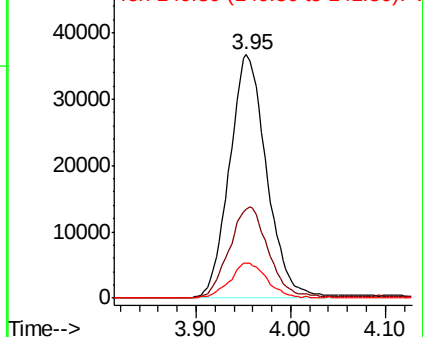
141 14.4 11.3 16.9

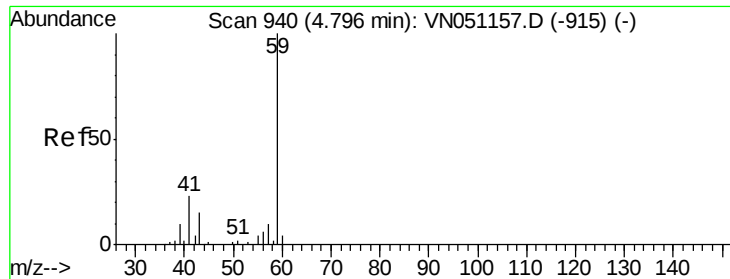


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

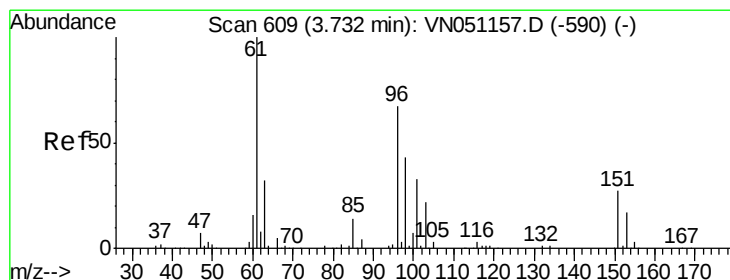
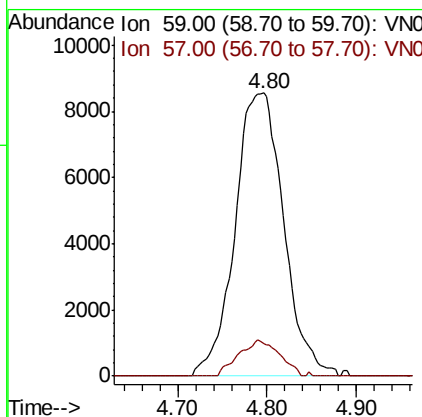
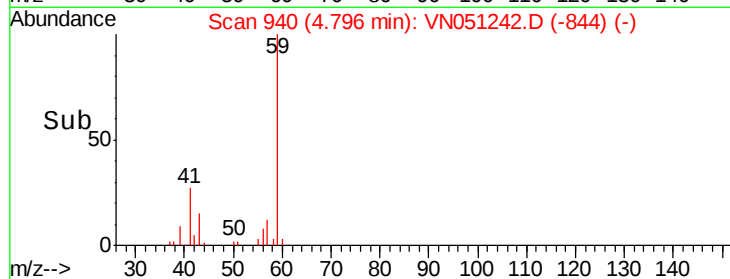
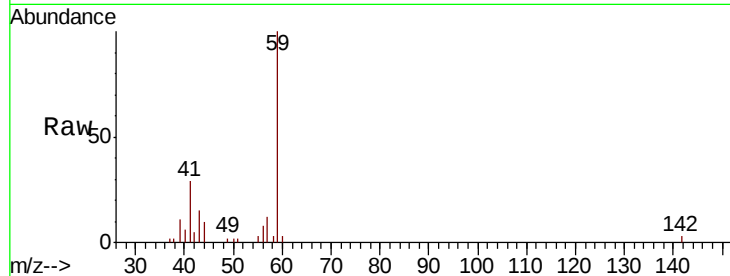




#11
Tert butyl alcohol
Concen: 62.95 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

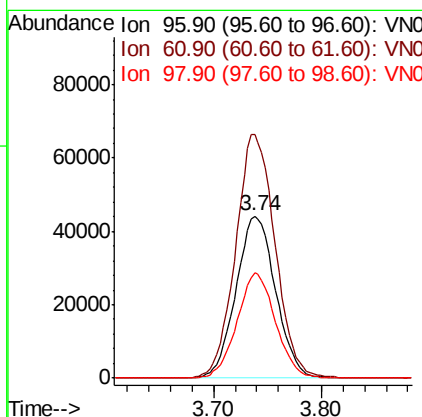
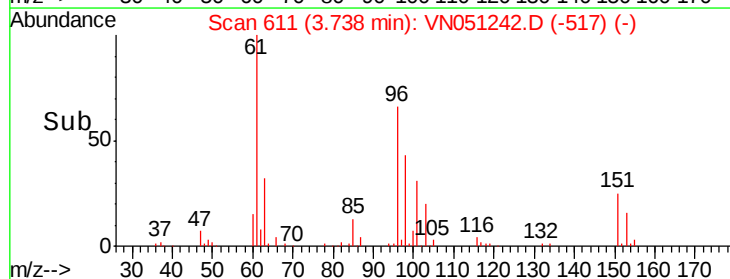
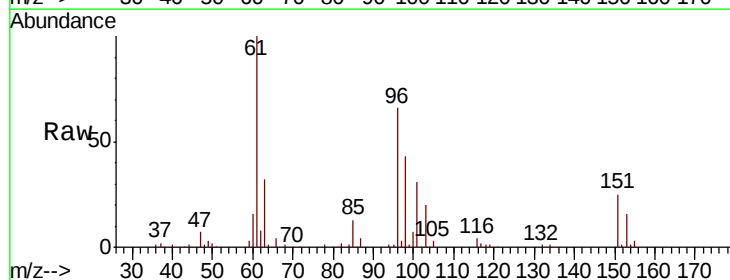
Instrument :
MSVOA_N
ClientSampleId :

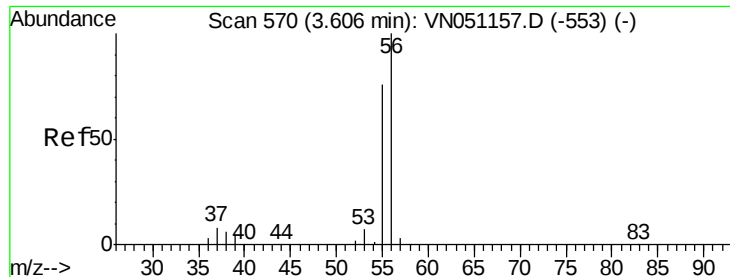
Tot Ion: 59 Resp: 32350
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 17.49 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 96 Resp: 112806
Ion Ratio Lower Upper
96 100
61 150.5 120.3 180.5
98 65.1 50.8 76.2





#13

Acrolein

Concen: 56.35 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

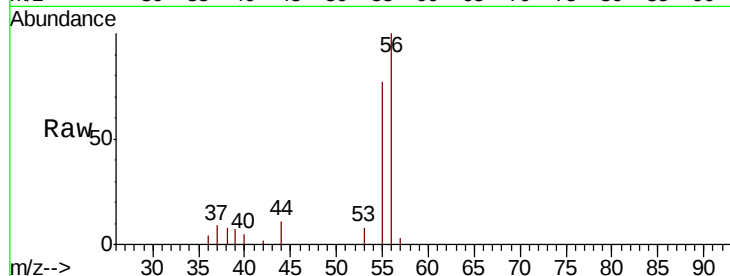
ClientSampleId :

Tot Ion: 56 Resp: 22277

Ion Ratio Lower Upper

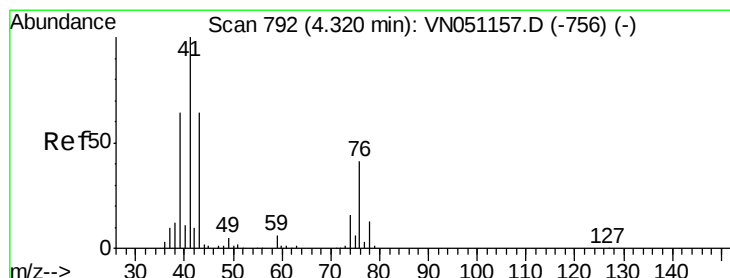
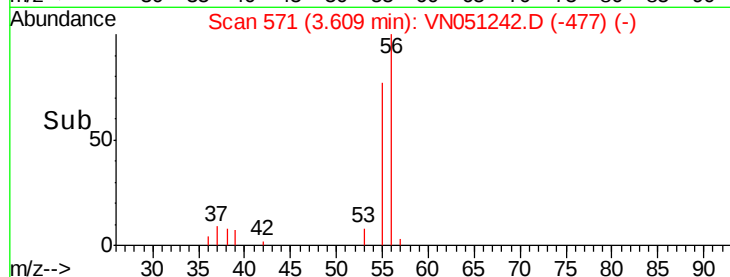
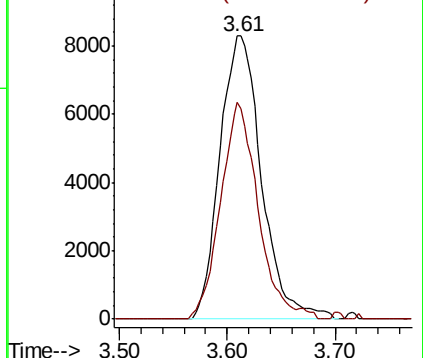
56 100

55 69.1 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.42 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

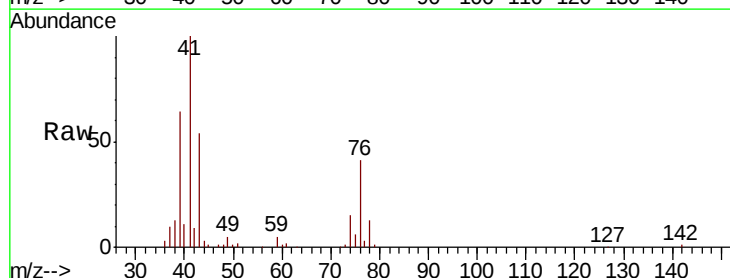
Tgt Ion: 41 Resp: 161335

Ion Ratio Lower Upper

41 100

39 61.2 48.8 73.2

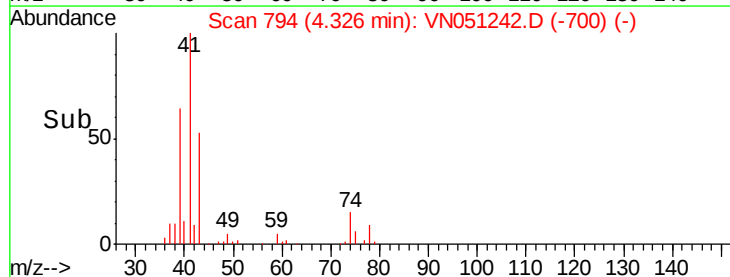
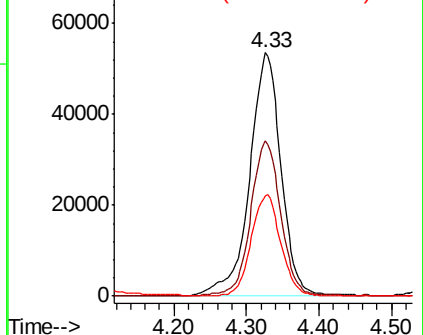
76 39.0 30.6 45.8

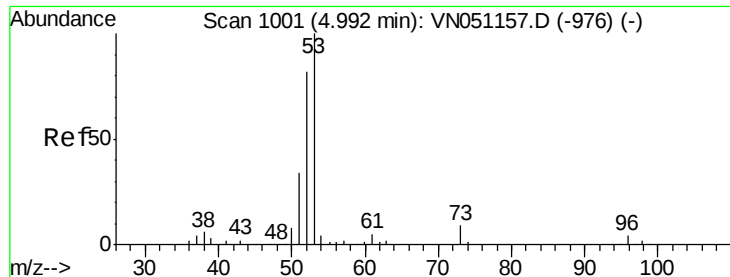


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 78.55 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

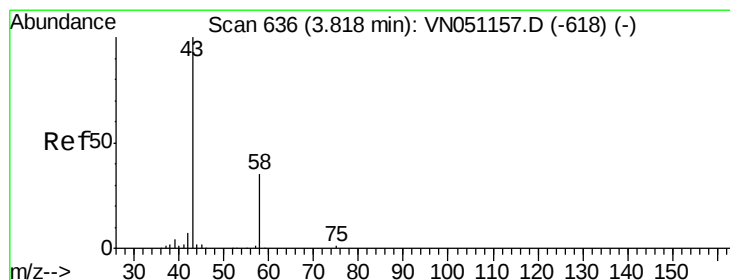
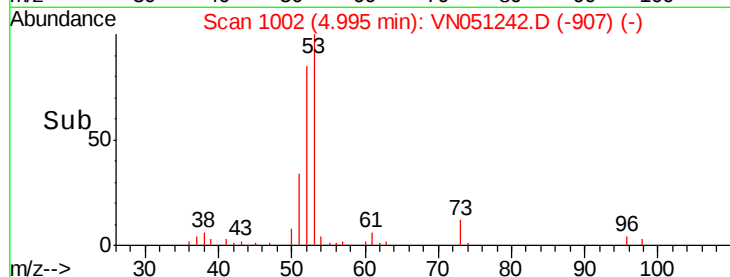
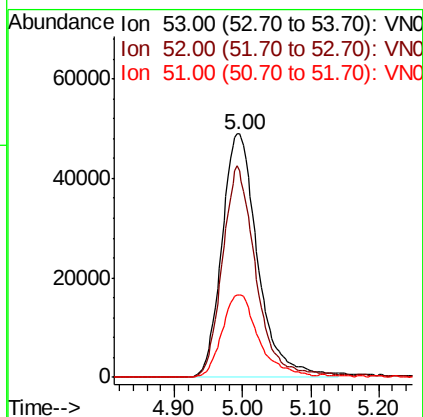
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 178871

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.3	97.9
51	35.0	28.2	42.2



#16

Acetone

Concen: 65.31 ug/l

RT: 3.82 min Scan# 637

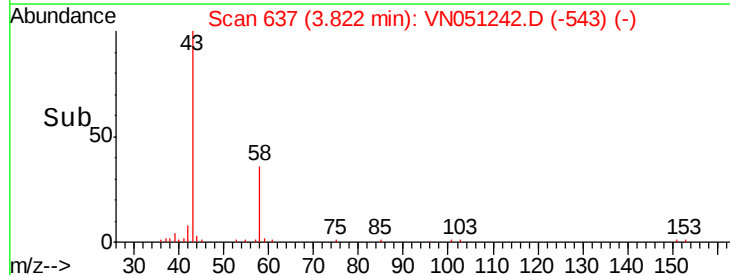
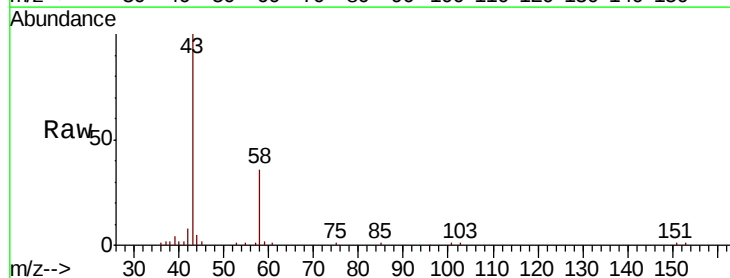
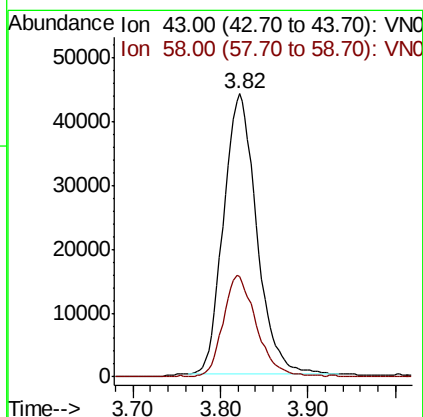
Delta R.T. 0.00 min

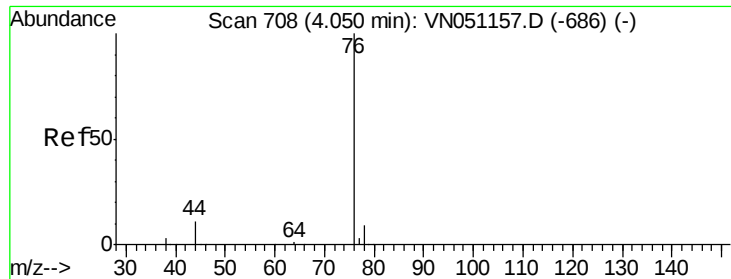
Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Tgt Ion: 43 Resp: 115827

Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.8	41.6

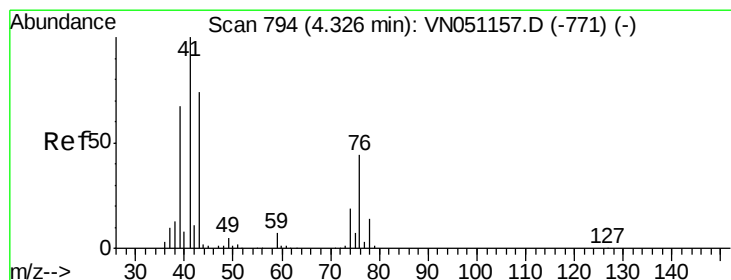
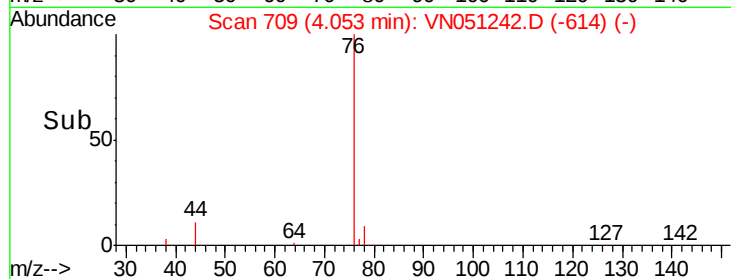
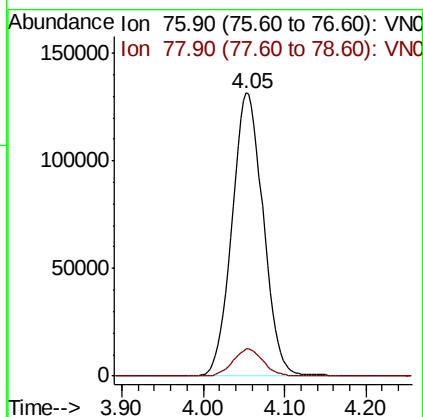
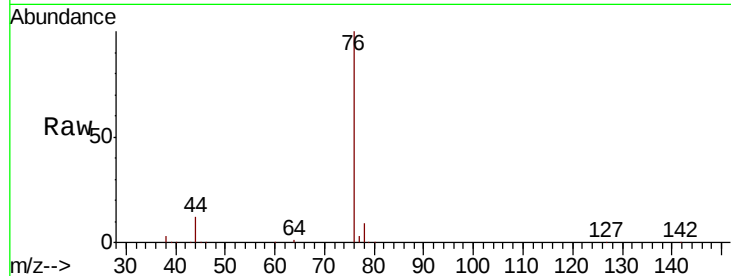




#17
Carbon Disulfide
Concen: 18.50 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

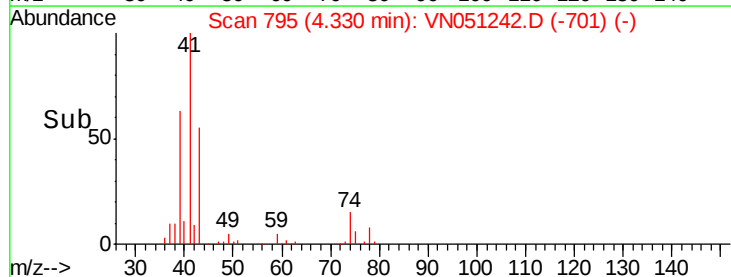
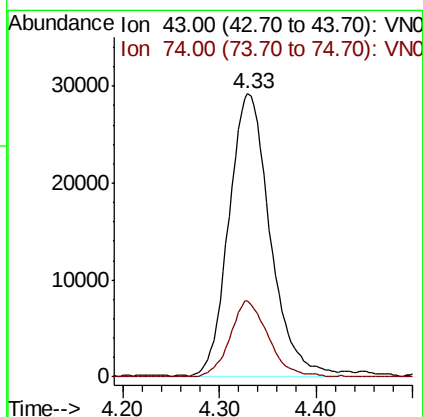
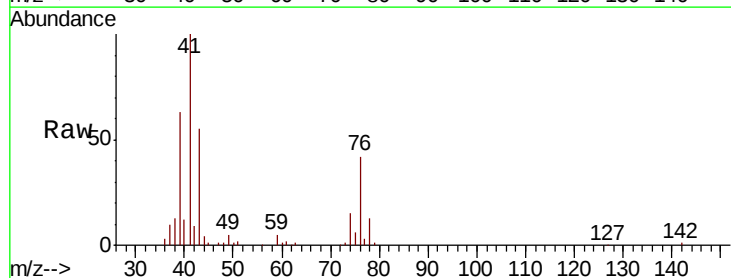
Instrument :
MSVOA_N
ClientSampled :

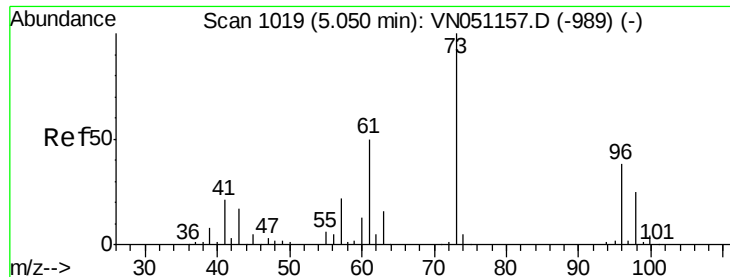
Tot Ion: 76 Resp: 350310
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 16.14 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 43 Resp: 86959
Ion Ratio Lower Upper
43 100
74 24.8 20.7 31.1

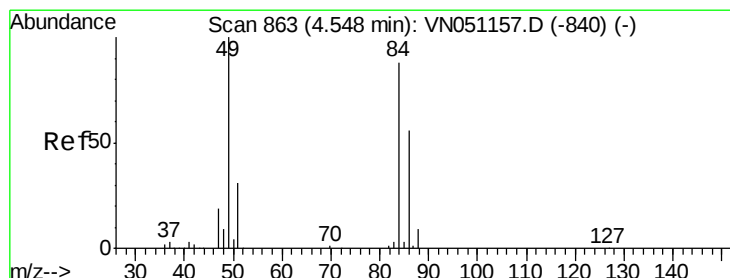
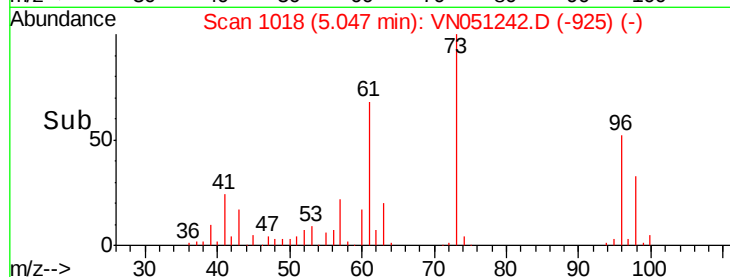
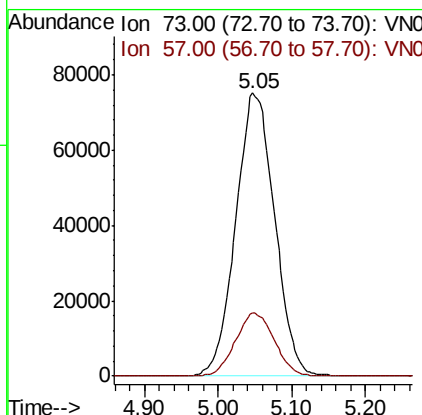
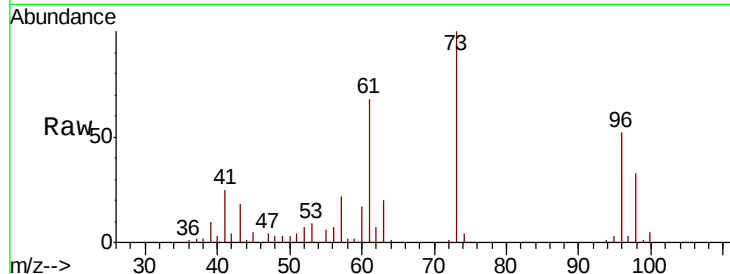




#19
Methyl tert-butyl Ether
Concen: 16.23 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

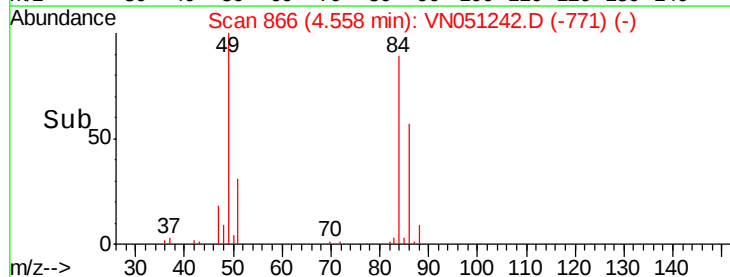
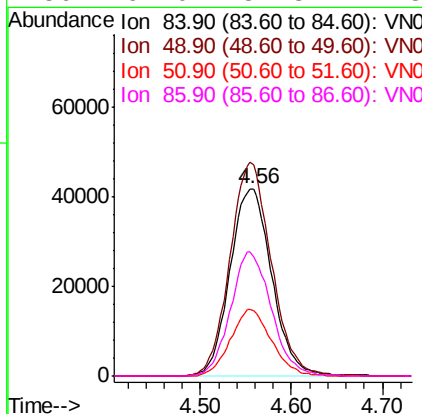
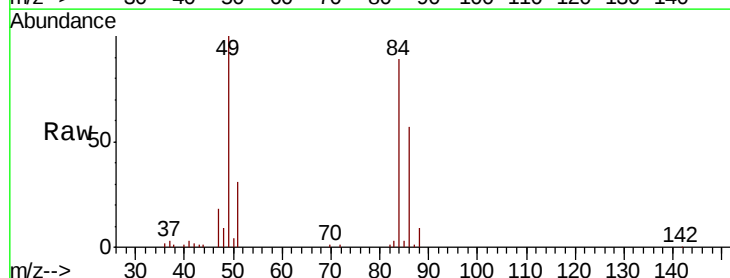
Instrument :
MSVOA_N
ClientSampled :

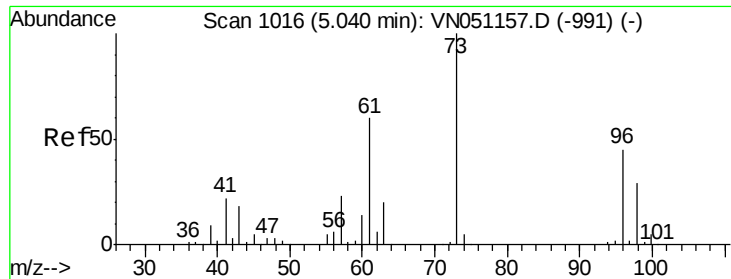
Tot Ion: 73 Resp: 276613
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 17.89 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 84 Resp: 132951
Ion Ratio Lower Upper
84 100
49 112.2 90.2 135.2
51 34.9 28.4 42.6
86 64.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 17.34 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

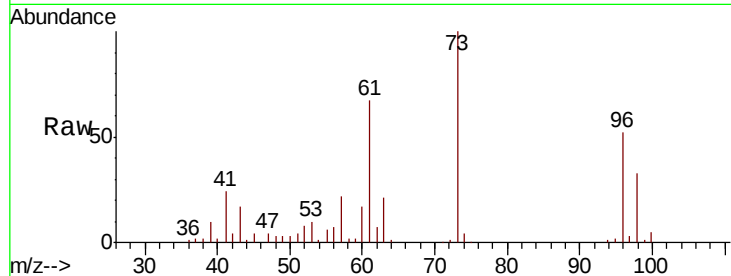
Tot Ion: 96 Resp: 121314

Ion Ratio Lower Upper

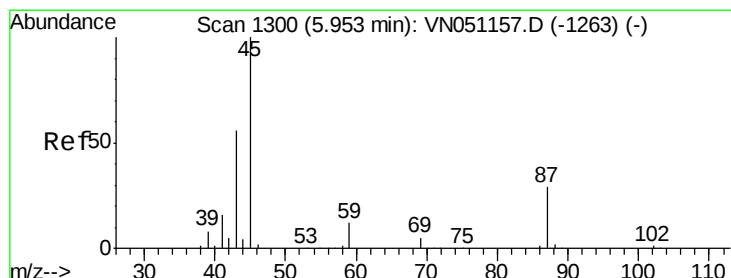
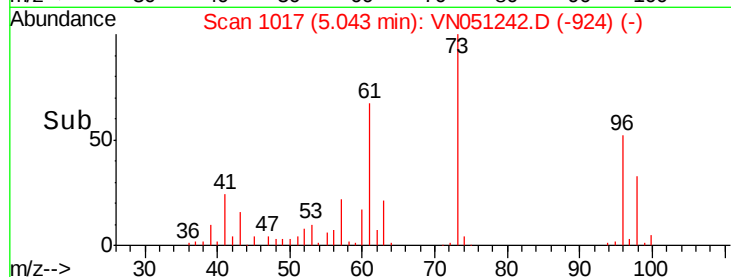
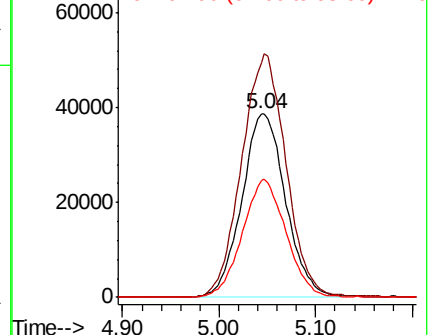
96 100

61 128.0 106.5 159.7

98 63.8 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 18.23 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Tgt Ion: 45 Resp: 355517

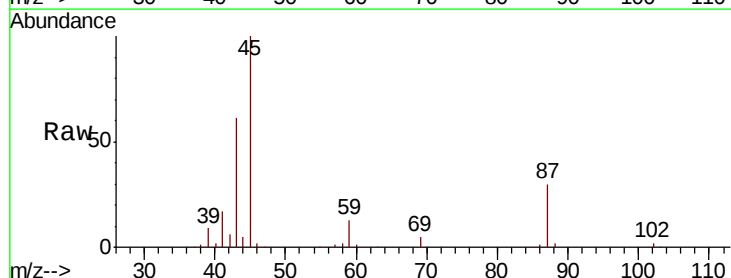
Ion Ratio Lower Upper

45 100

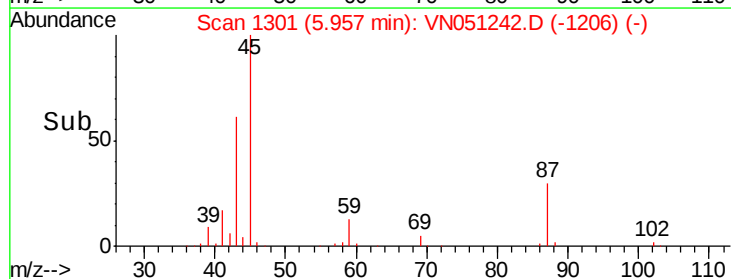
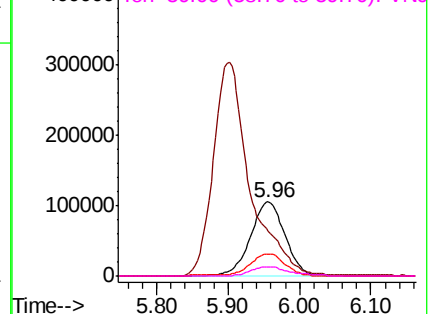
43 59.2 48.8 73.2

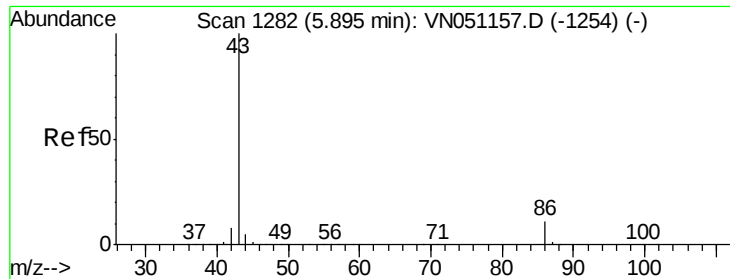
87 29.8 23.8 35.8

59 12.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

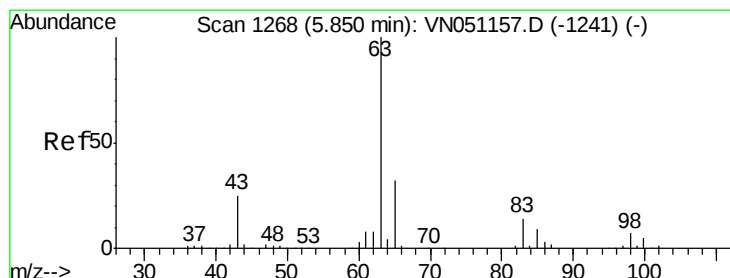
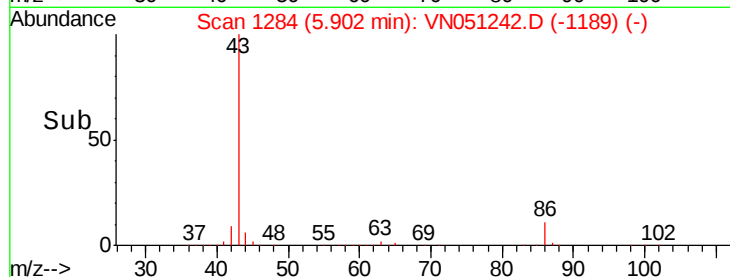
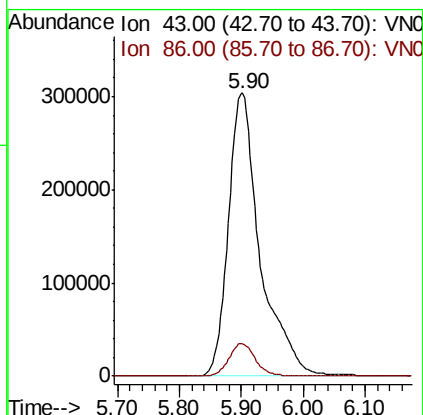
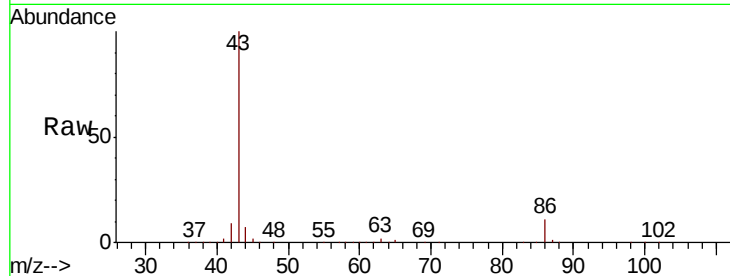




#23
 Vinyl Acetate
 Concen: 82.13 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

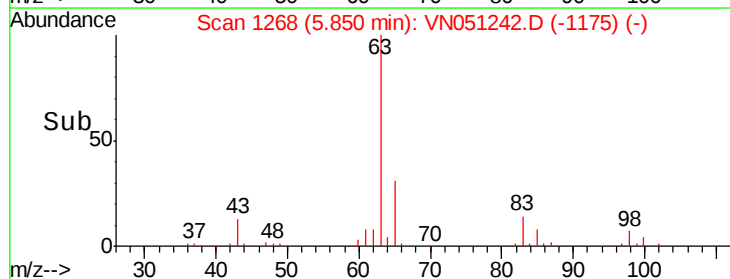
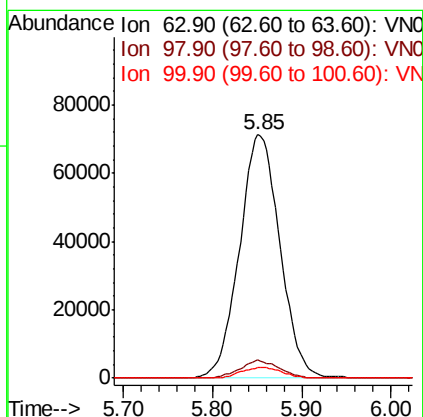
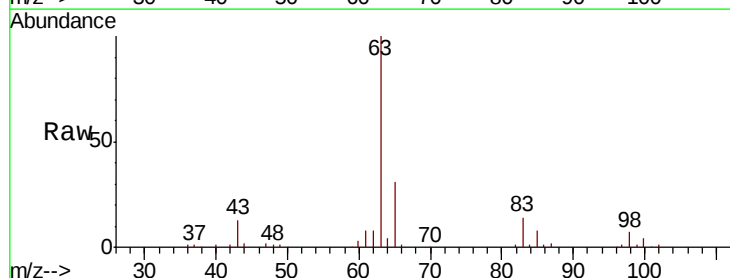
Instrument :
 MSVOA_N
 ClientSampleId :

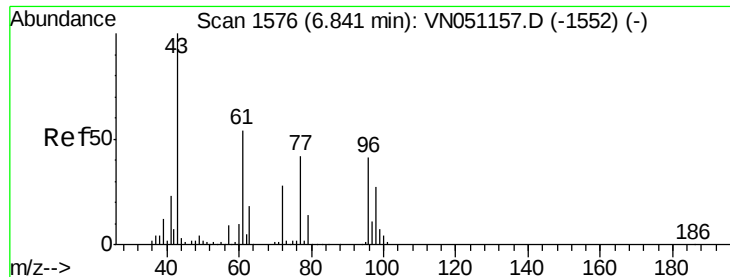
Tot Ion: 43 Resp: 1084046
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 18.09 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion: 63 Resp: 223849
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 65.95 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

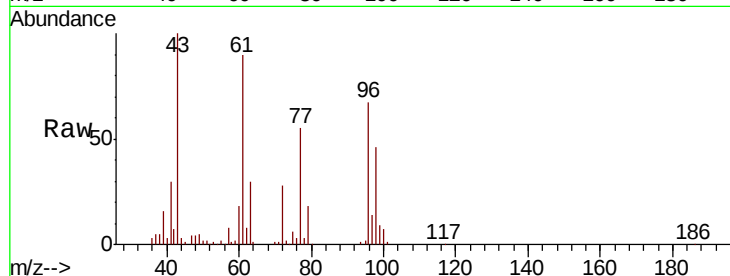
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 174467

Ion Ratio Lower Upper

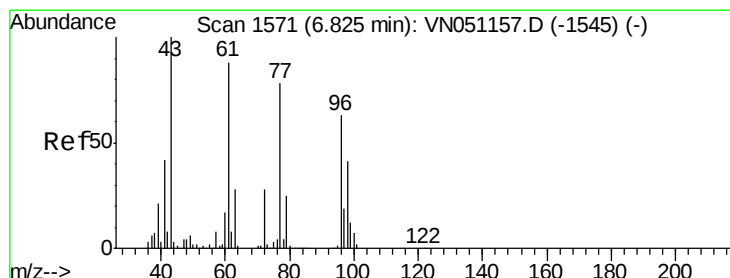
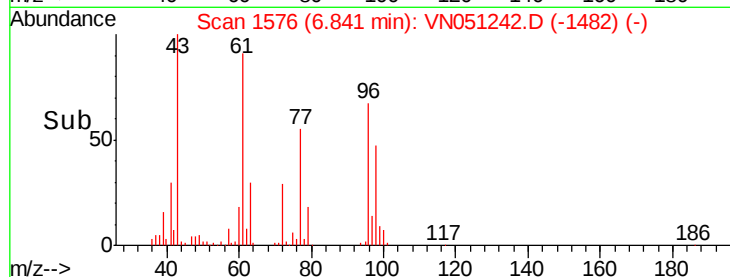
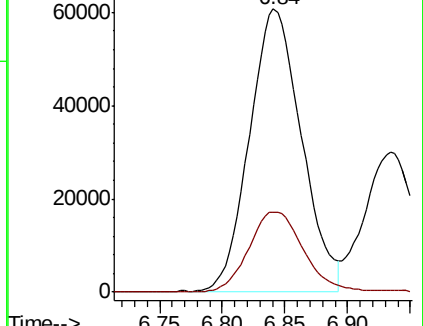
43 100

72 28.5 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN051157.D (-1552) (-)



#26

2,2-Dichloropropane

Concen: 12.79 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN051242.D

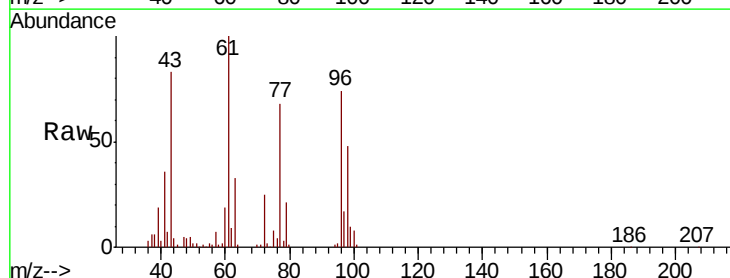
Acq: 16 Sep 2018 00:06

Tgt Ion: 77 Resp: 129543

Ion Ratio Lower Upper

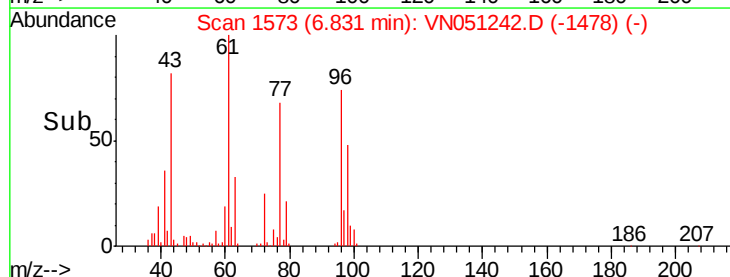
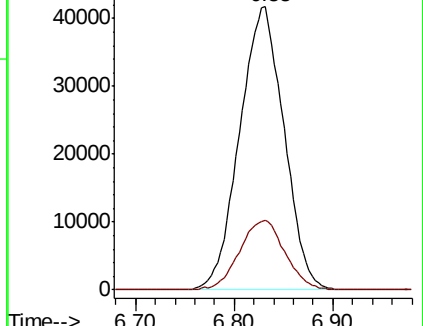
77 100

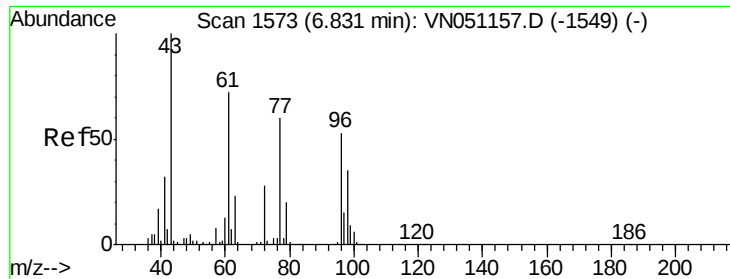
97 25.1 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN051157.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN051157.D (-1545) (-)

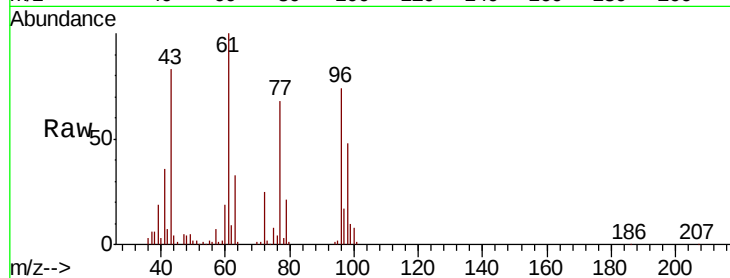




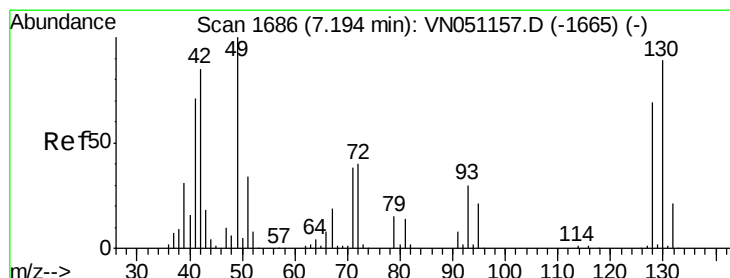
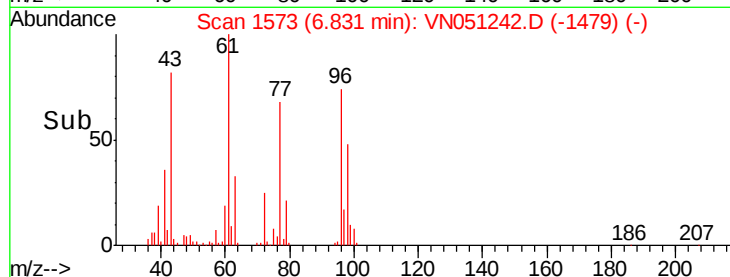
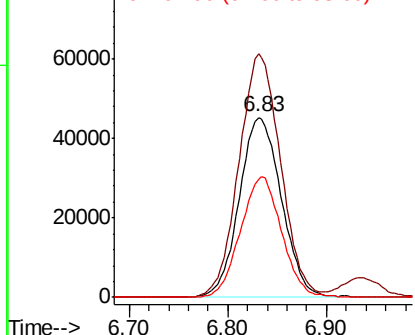
#27
 cis-1,2-Dichloroethene
 Concen: 17.44 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 133864
 Ion Ratio Lower Upper
 96 100
 61 134.0 0.0 278.2
 98 65.5 0.0 129.4

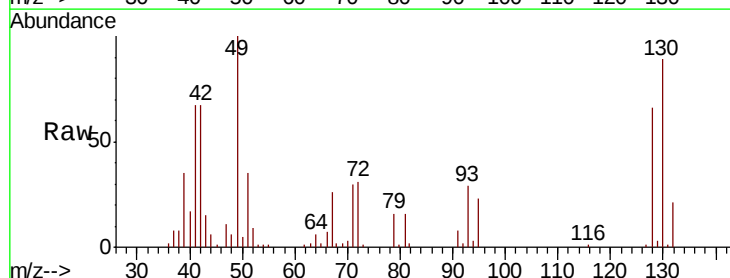


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

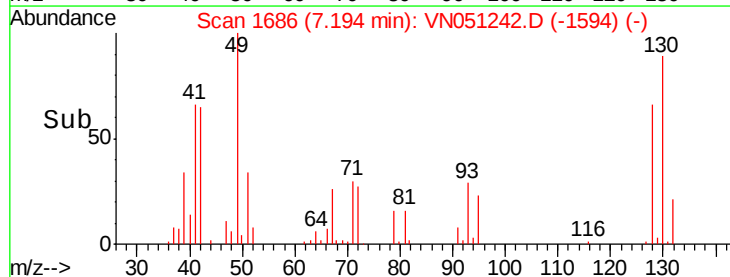
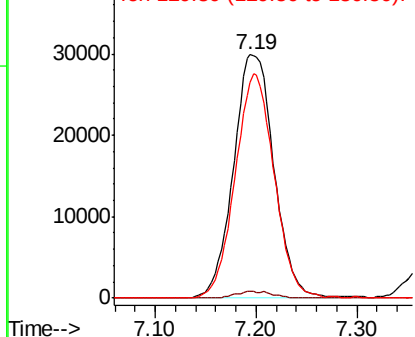


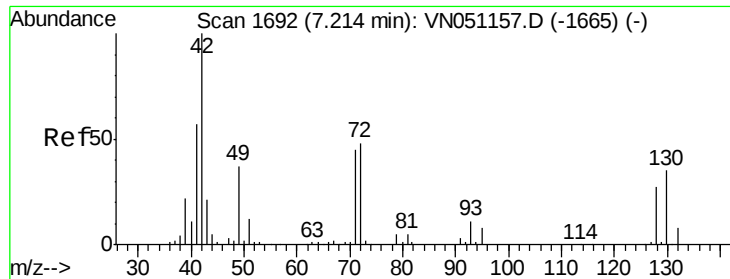
#28
 Bromochloromethane
 Concen: 15.09 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion: 49 Resp: 83123
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.4
 130 88.6 70.7 106.1



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

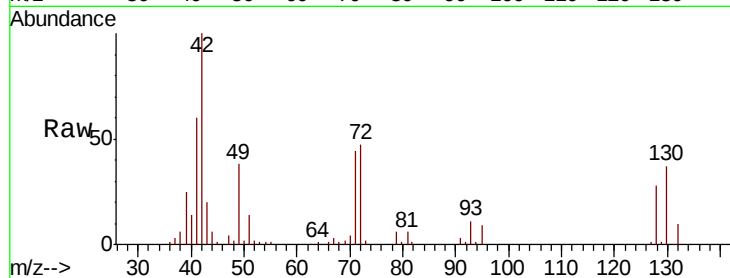




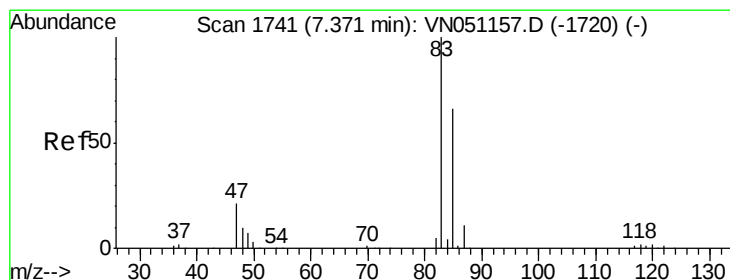
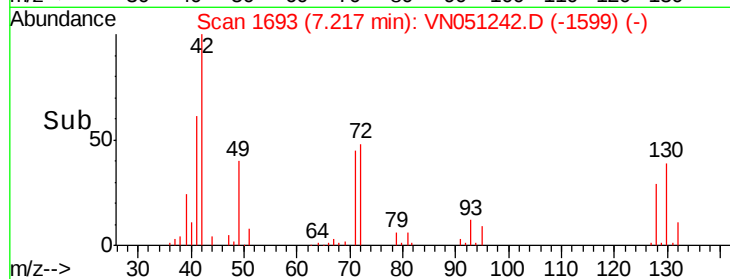
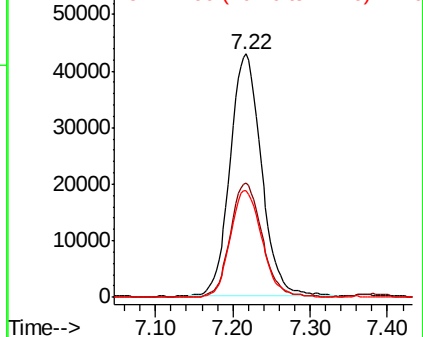
#29
Tetrahydrofuran
Concen: 72.56 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 119859
Ion Ratio Lower Upper
42 100
72 48.2 37.4 56.0
71 45.0 34.7 52.1

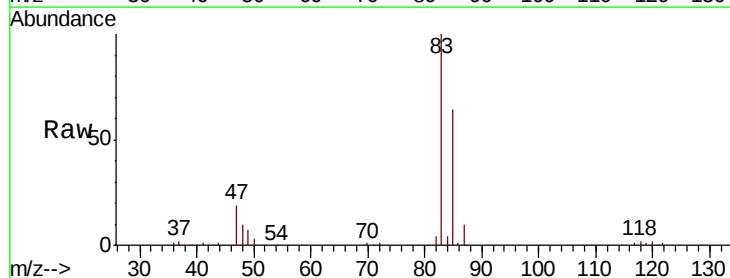


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

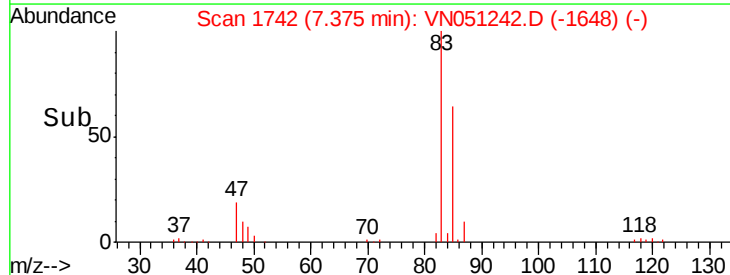
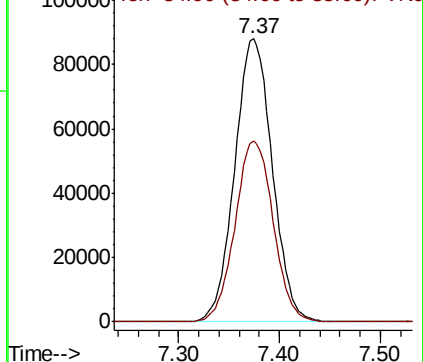


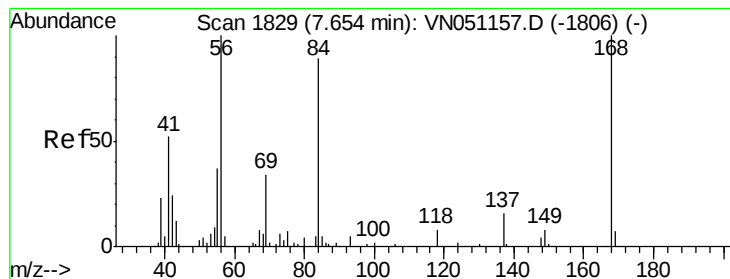
#30
Chloroform
Concen: 18.52 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 83 Resp: 228028
Ion Ratio Lower Upper
83 100
85 63.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.53 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

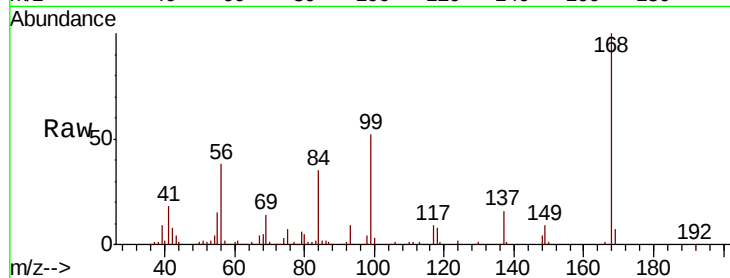
Tot Ion: 56 Resp: 195043

Ion Ratio Lower Upper

56 100

69 36.8 26.3 39.5

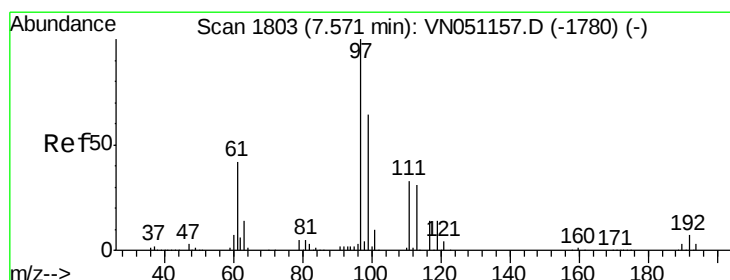
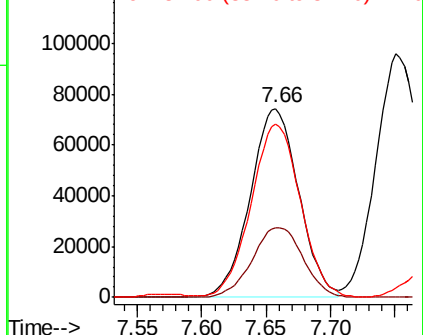
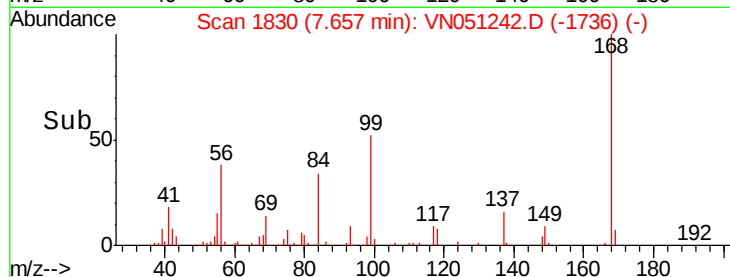
84 90.7 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN051157.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN051157.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN051157.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 18.45 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

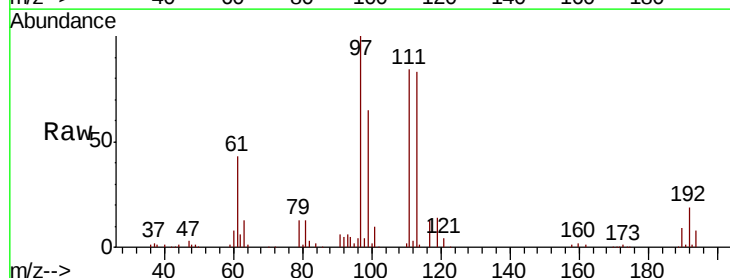
Tgt Ion: 97 Resp: 193527

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

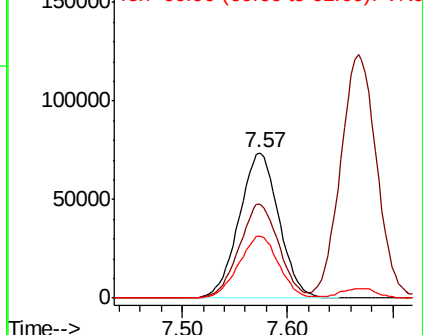
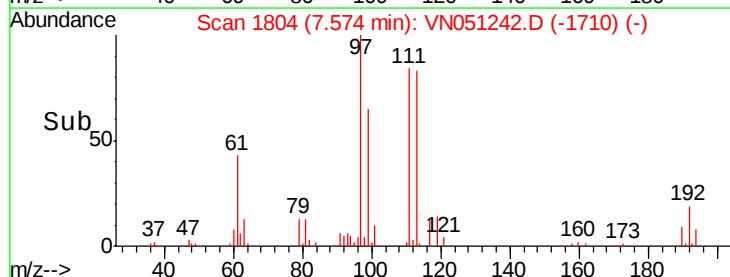
61 42.9 33.8 50.6

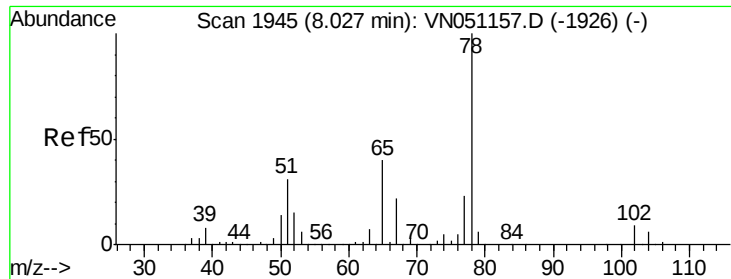


Abundance Ion 96.90 (96.60 to 97.60): VN051157.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN051157.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN051157.D (-1780) (-)

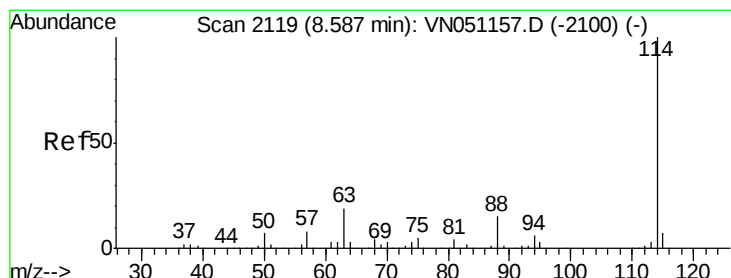
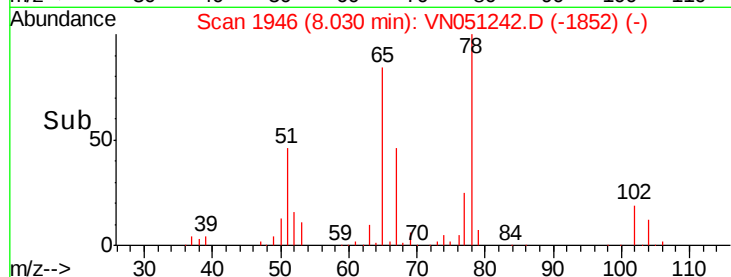
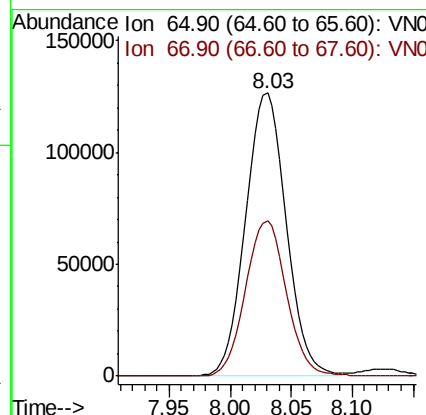
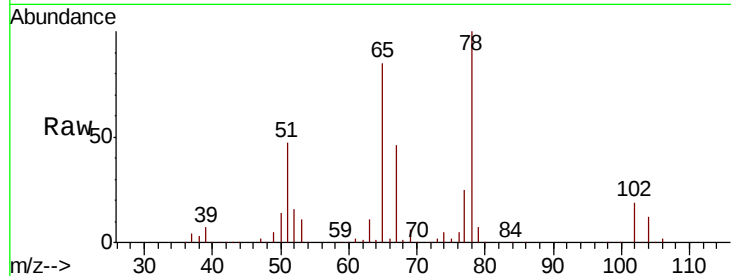




#33
 1,2-Dichloroethane-d4
 Concen: 43.45 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

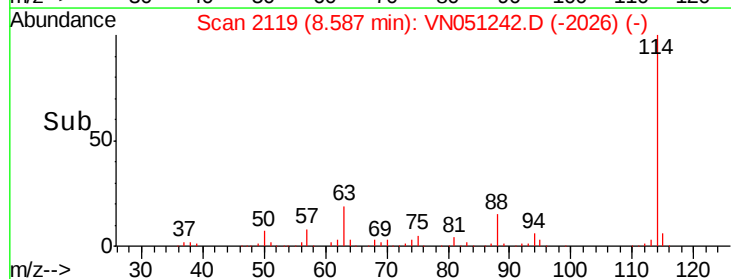
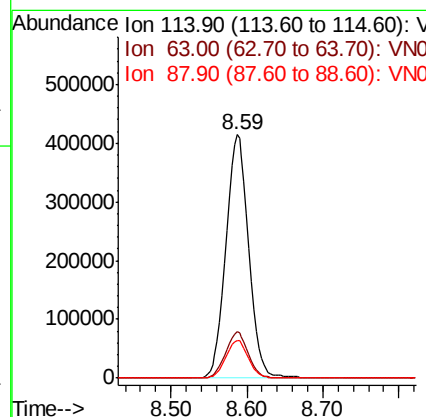
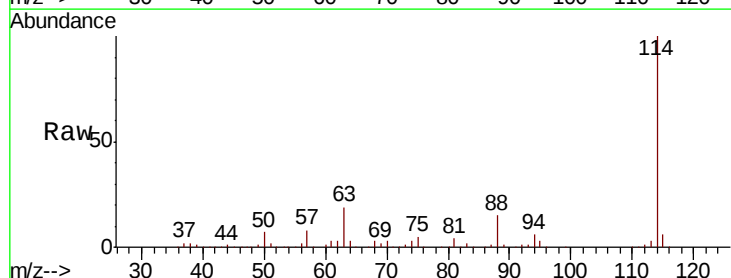
Instrument :
 MSVOA_N
 ClientSampled :

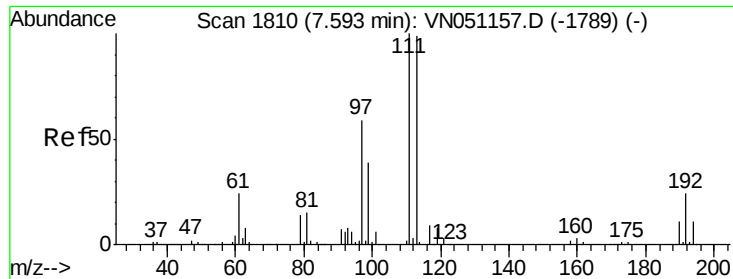
Tot Ion: 65 Resp: 292316
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion: 114 Resp: 865695
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.4 0.0 30.8

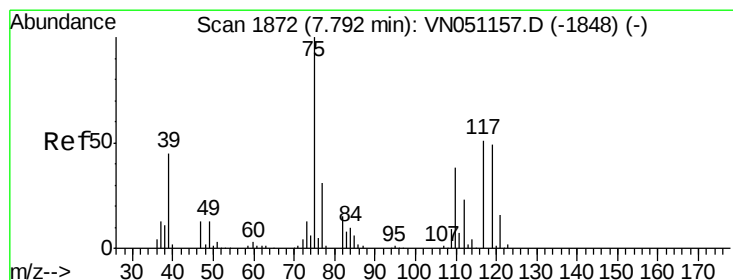
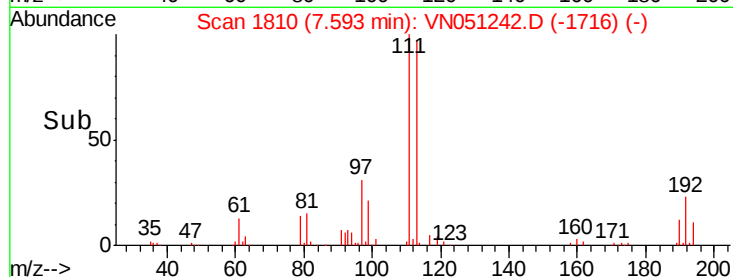
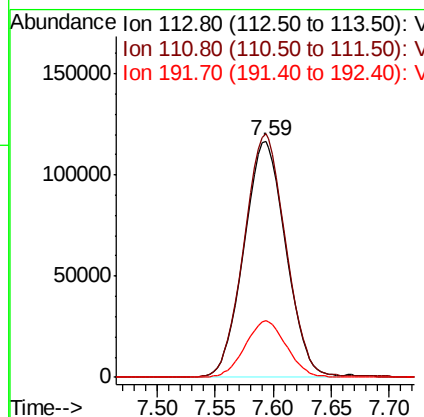
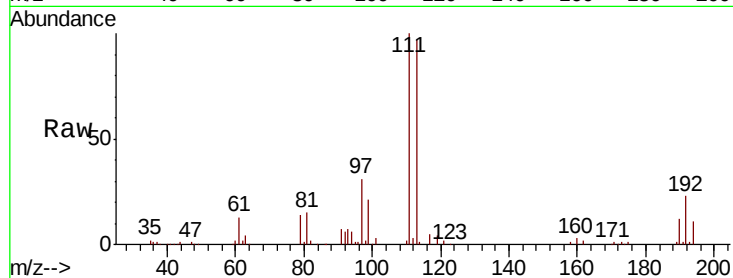




#35
 Dibromofluoromethane
 Concen: 45.20 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

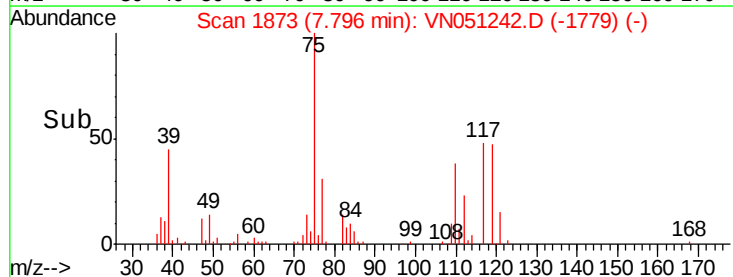
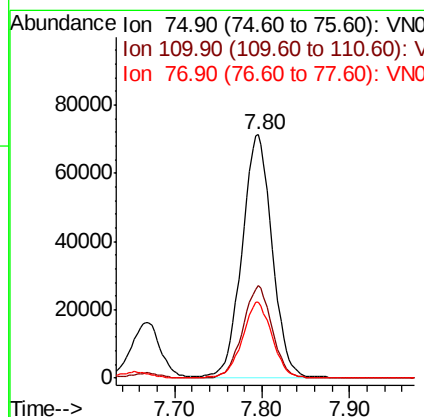
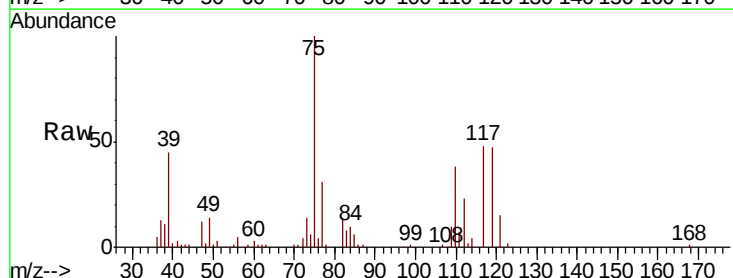
Instrument :
 MSVOA_N
 ClientSampleId :

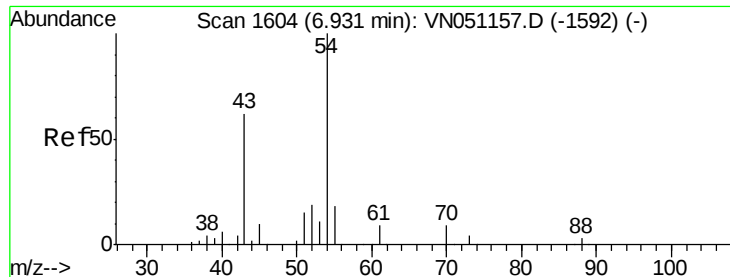
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.6
192	23.6	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 17.99 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	55.8
77	30.7	25.2	37.8

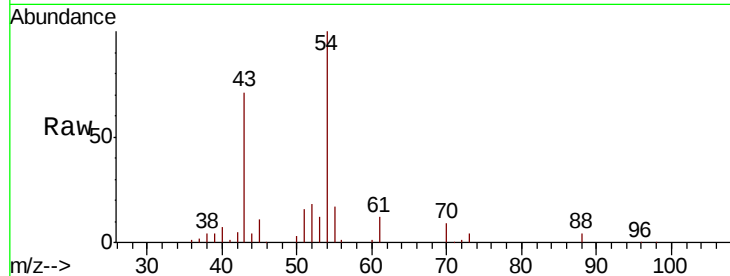




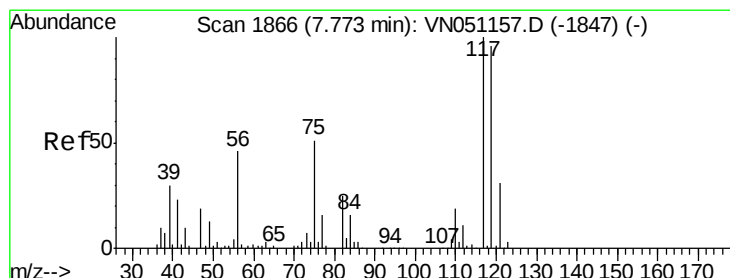
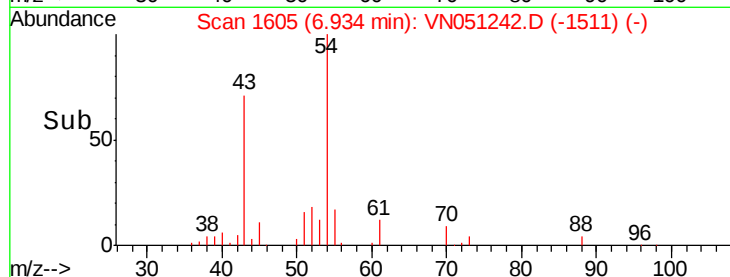
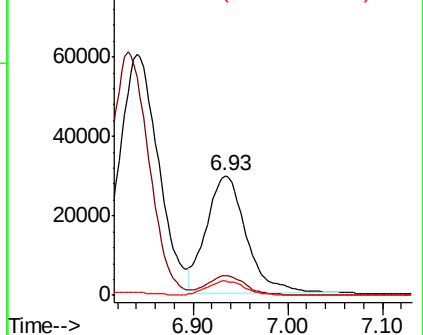
#37
Ethyl Acetate
Concen: 15.89 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 87441
Ion Ratio Lower Upper
43 100
61 16.1 12.4 18.6
70 11.5 9.3 13.9

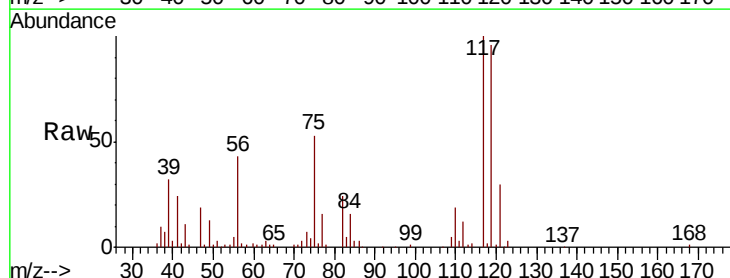


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

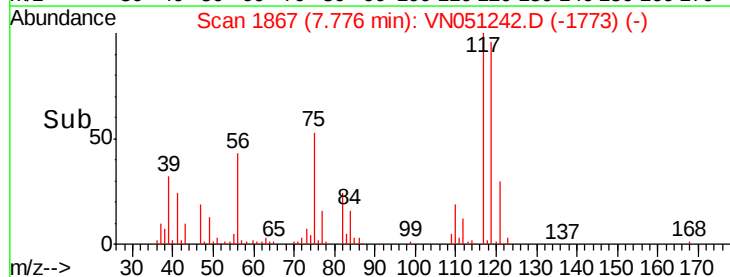
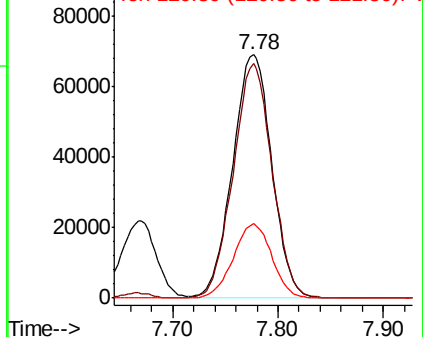


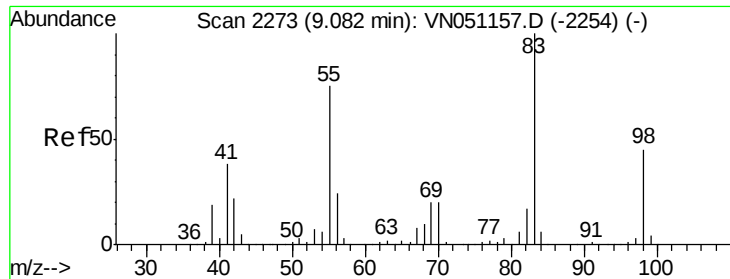
#38
Carbon Tetrachloride
Concen: 19.08 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 117 Resp: 178526
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2
121 30.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

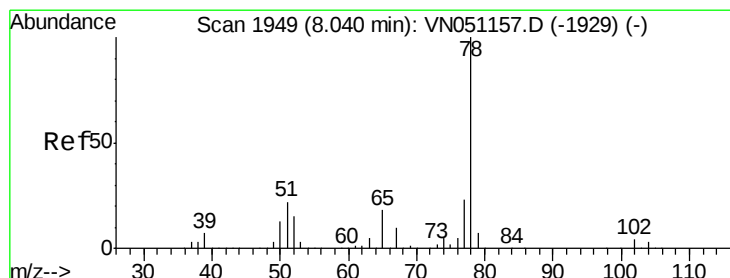
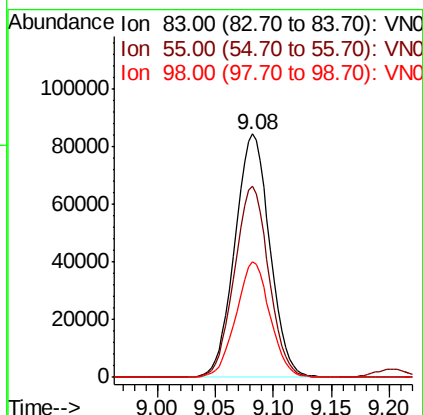
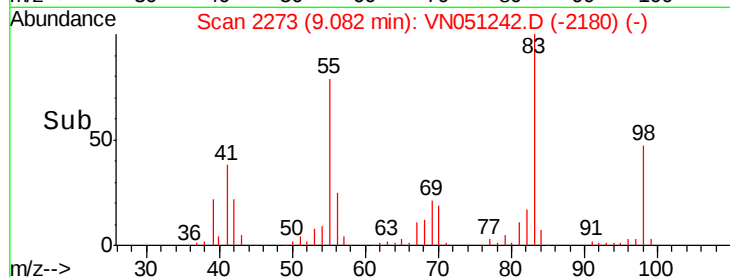
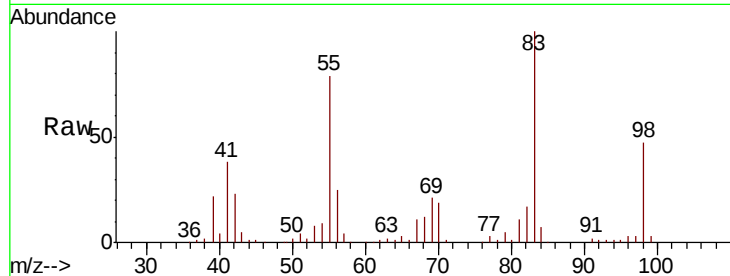




#39
Methylcyclohexane
Concen: 16.80 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

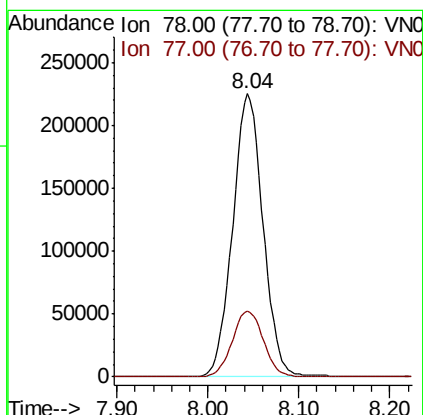
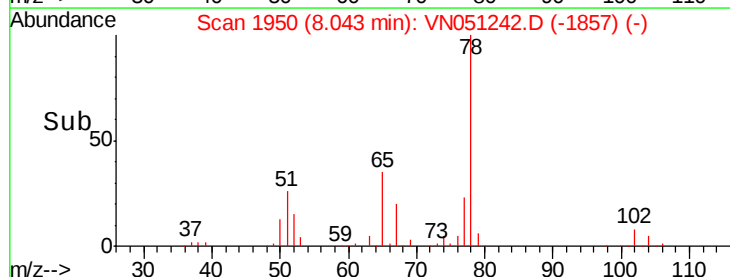
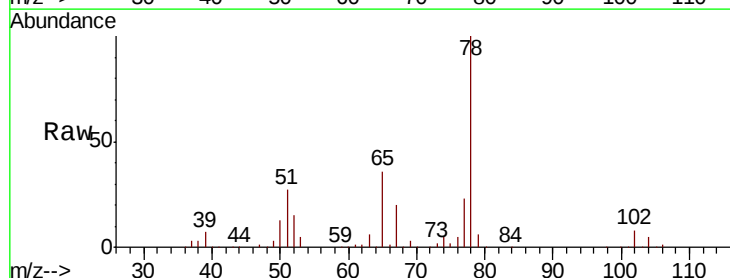
Instrument :
MSVOA_N
ClientSampled :

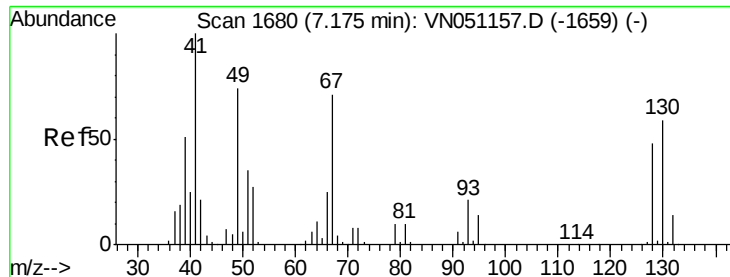
Tot Ion: 83 Resp: 176140
Ion Ratio Lower Upper
83 100
55 78.6 58.4 87.6
98 47.5 37.3 55.9



#40
Benzene
Concen: 18.23 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 78 Resp: 521985
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

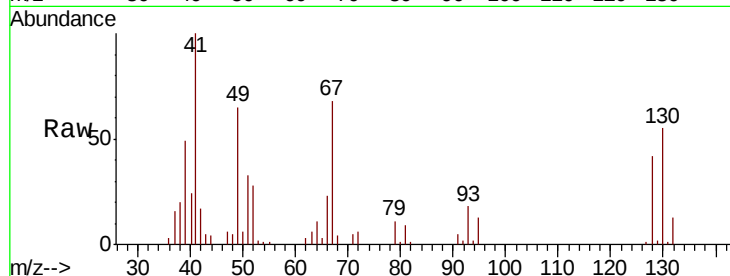




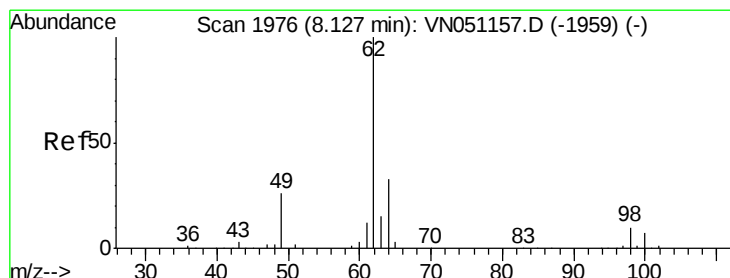
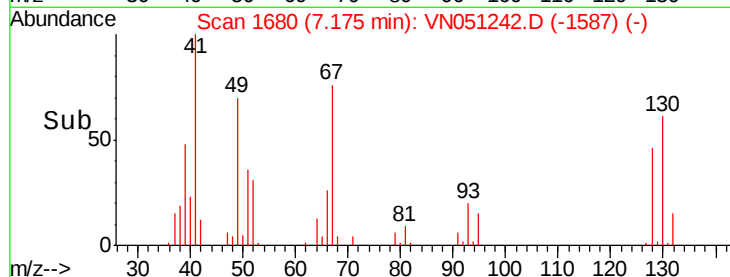
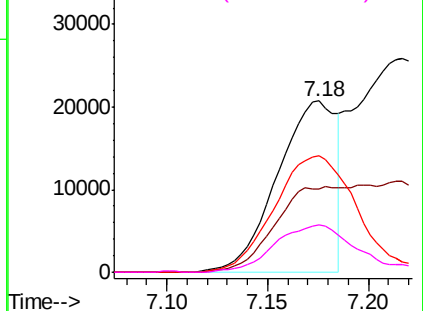
#41
Methacrylonitrile
Concen: 14.86 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 42206
Ion Ratio Lower Upper
41 100
39 52.3 51.3 76.9
67 96.2 78.5 117.7
52 39.1 29.0 43.6

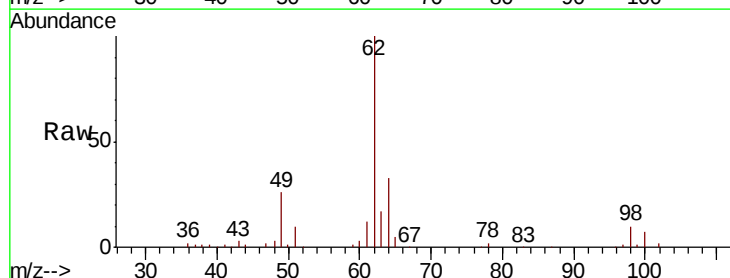


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

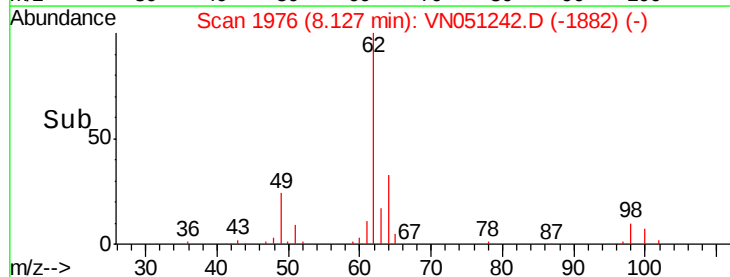
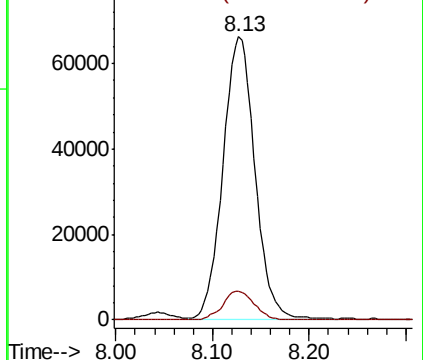


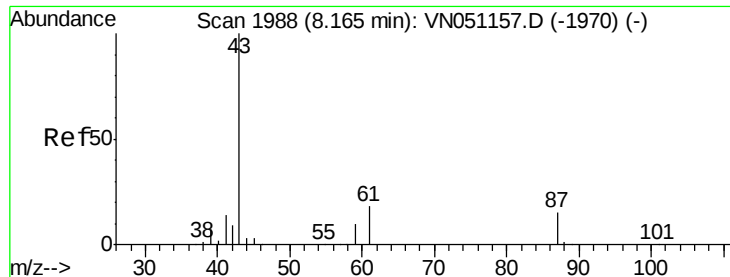
#42
1,2-Dichloroethane
Concen: 18.14 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 62 Resp: 151412
Ion Ratio Lower Upper
62 100
98 10.1 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 16.83 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

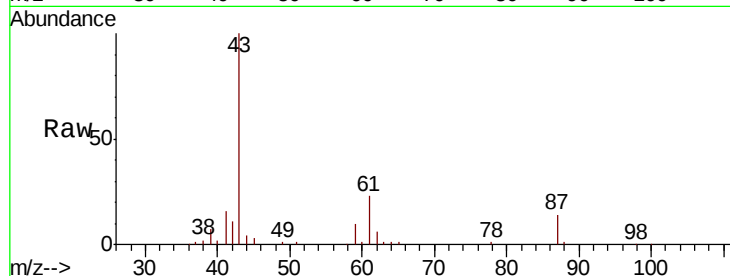
Tot Ion: 43 Resp: 163509

Ion Ratio Lower Upper

43 100

61 20.3 25.0 37.6#

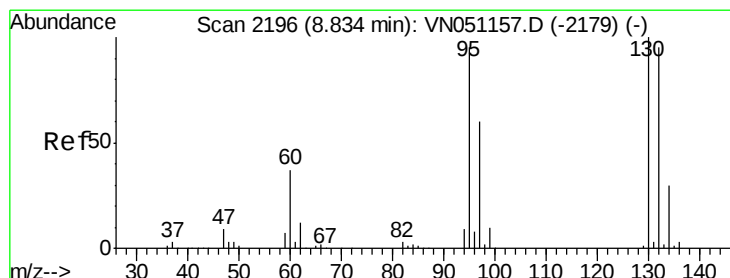
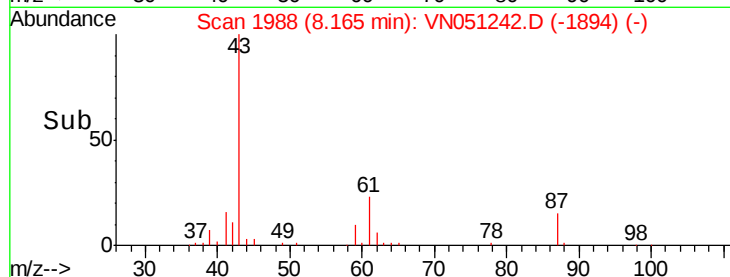
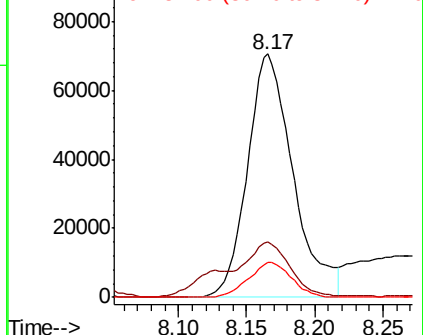
87 13.5 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)



#44

Trichloroethene

Concen: 17.71 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051242.D

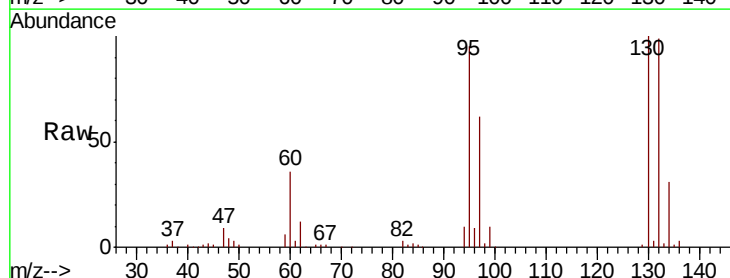
Acq: 16 Sep 2018 00:06

Tgt Ion: 130 Resp: 138751

Ion Ratio Lower Upper

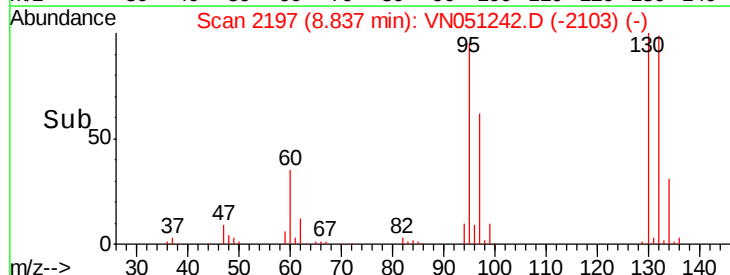
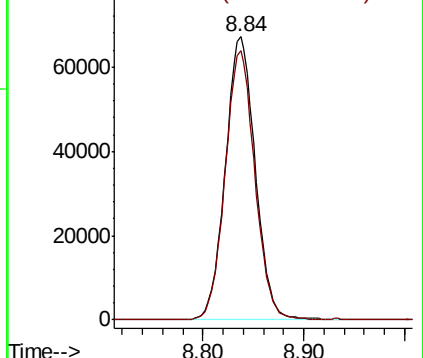
130 100

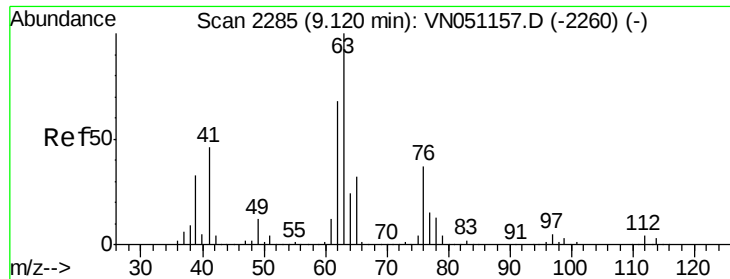
95 95.1 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

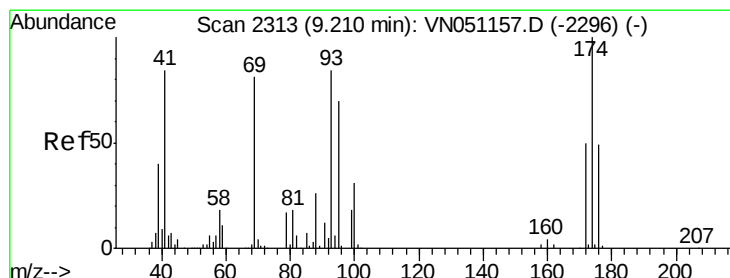
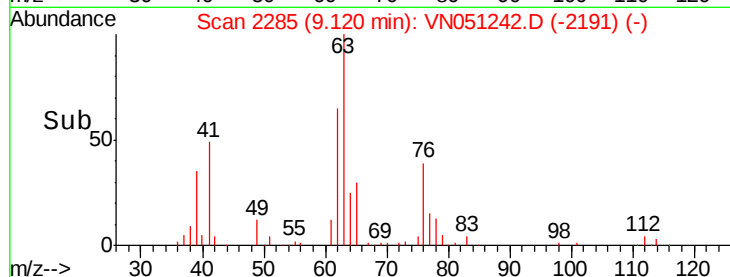
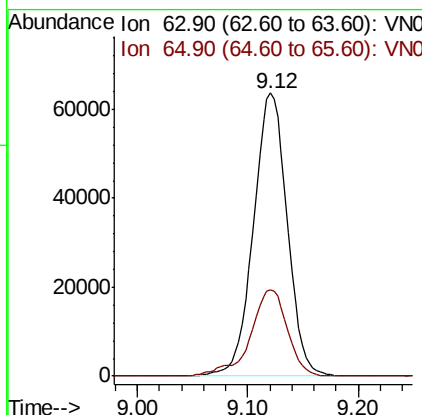
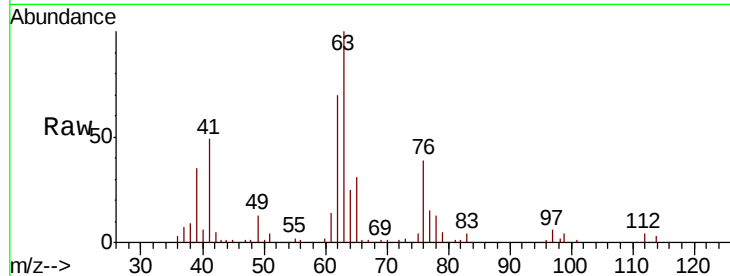




#45
 1,2-Dichloropropane
 Concen: 18.23 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

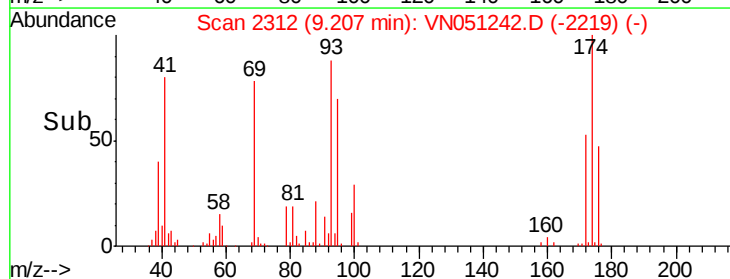
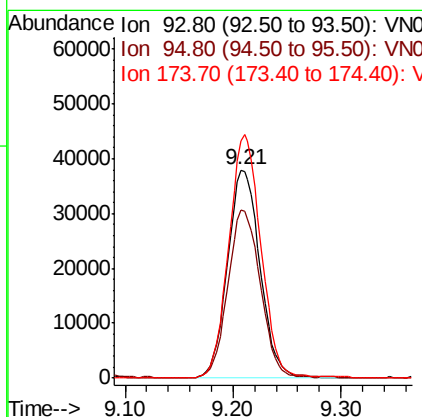
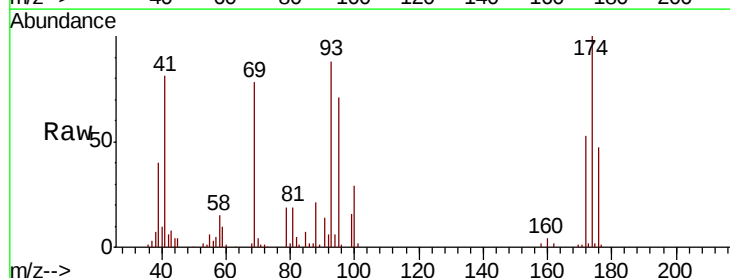
Instrument :
 MSVOA_N
 ClientSampled :

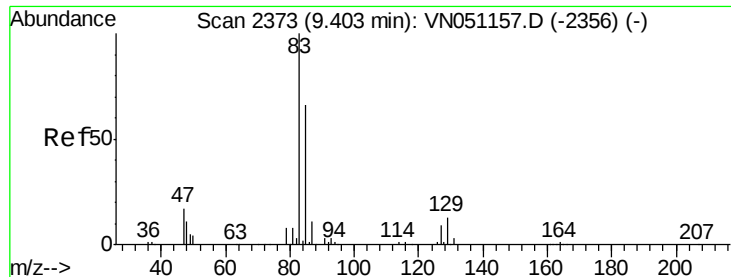
Tot Ion: 63 Resp: 134906
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 17.65 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion: 93 Resp: 79718
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.8 100.2
 174 115.6 93.3 139.9





#47

Bromodichloromethane

Concen: 18.28 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

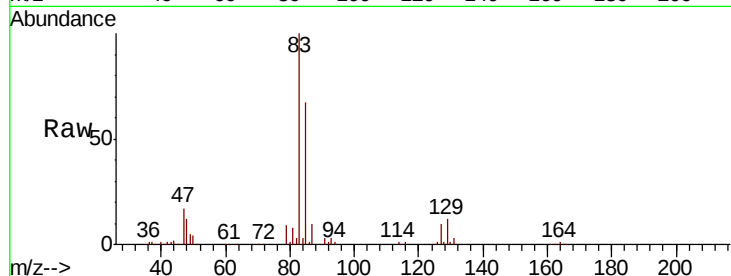
Tot Ion: 83 Resp: 167793

Ion Ratio Lower Upper

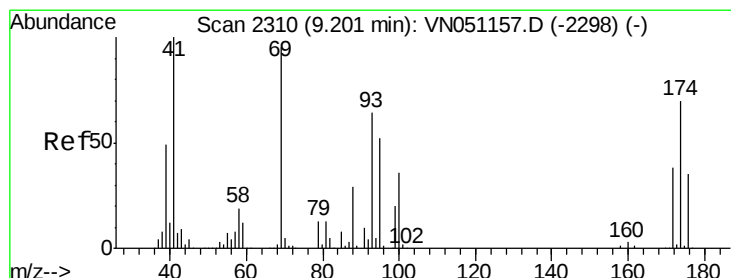
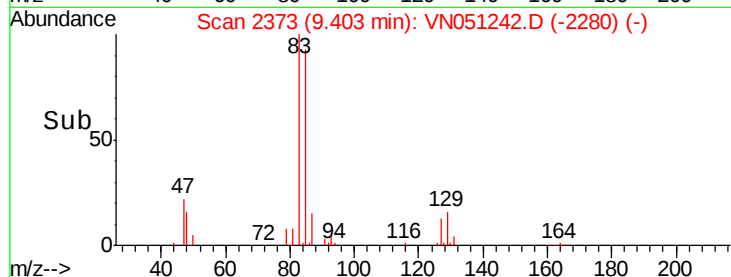
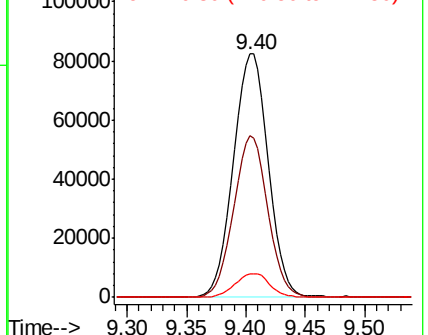
83 100

85 66.5 52.3 78.5

127 9.5 7.5 11.3



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



#48

Methyl methacrylate

Concen: 16.01 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

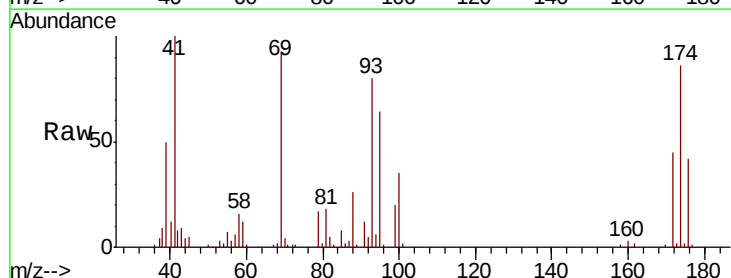
Tgt Ion: 41 Resp: 75776

Ion Ratio Lower Upper

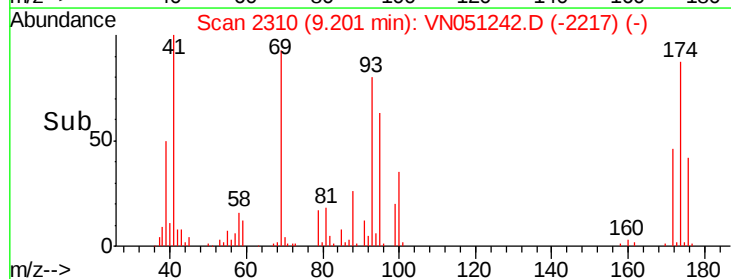
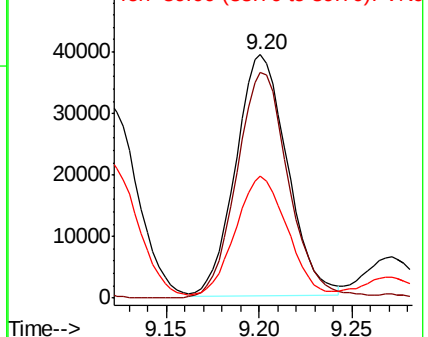
41 100

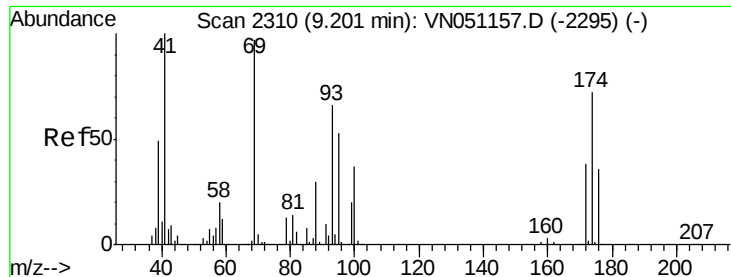
69 94.2 77.7 116.5

39 51.0 41.6 62.4



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

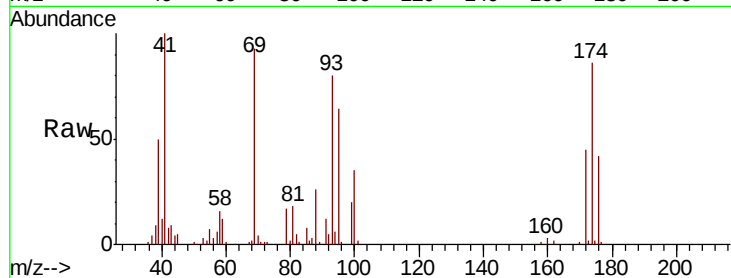




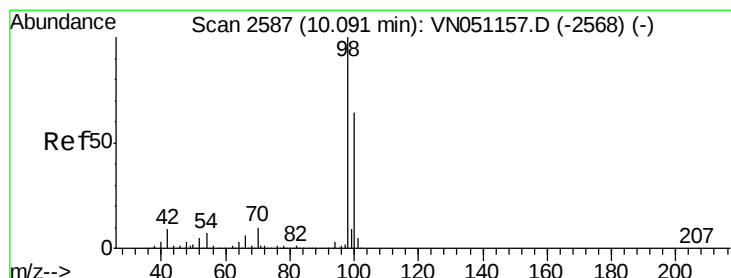
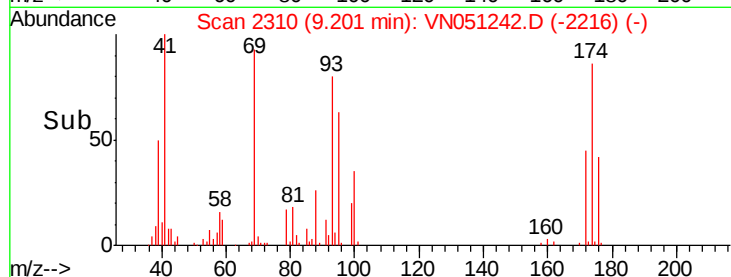
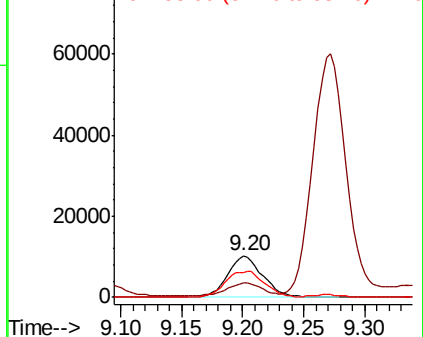
#49
1,4-Dioxane
Concen: 277.71 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 20613
Ion Ratio Lower Upper
88 100
43 31.0 23.7 35.5
58 70.0 54.6 82.0

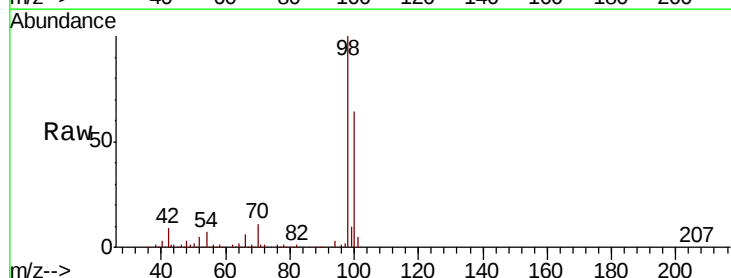


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

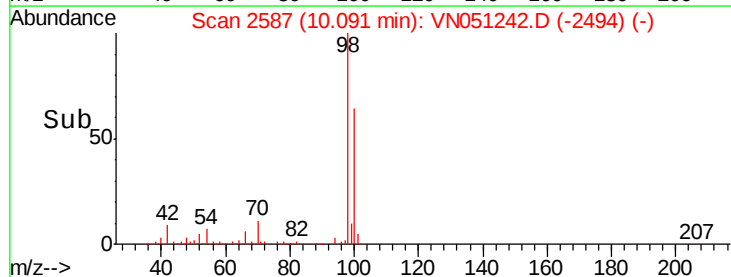
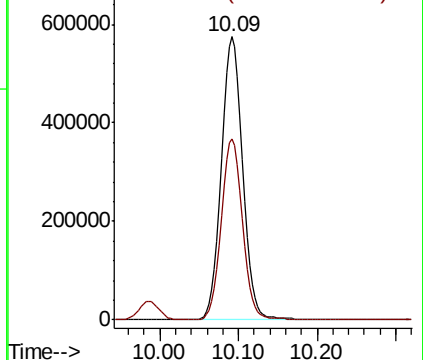


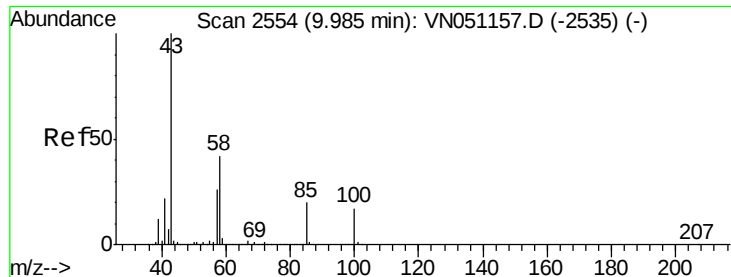
#50
Toluene-d8
Concen: 43.46 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 98 Resp: 1072886
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 76.92 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

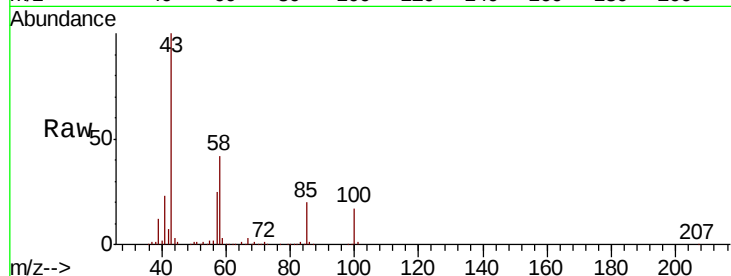
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 413182

Ion Ratio Lower Upper

43 100

58 41.2 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-2535) (-)

9.99

250000

200000

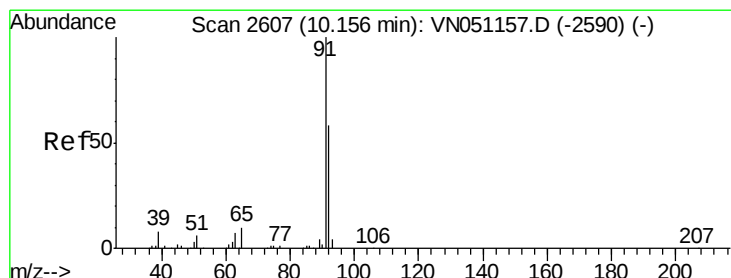
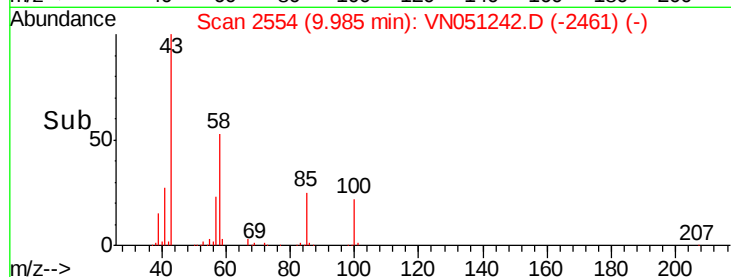
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.28 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051242.D

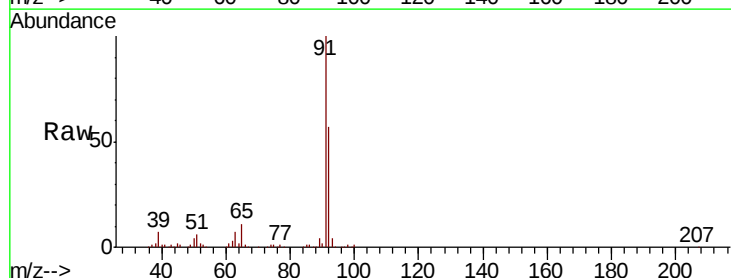
Acq: 16 Sep 2018 00:06

Tgt Ion: 92 Resp: 319195

Ion Ratio Lower Upper

92 100

91 173.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051157.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051157.D (-2590) (-)

10.16

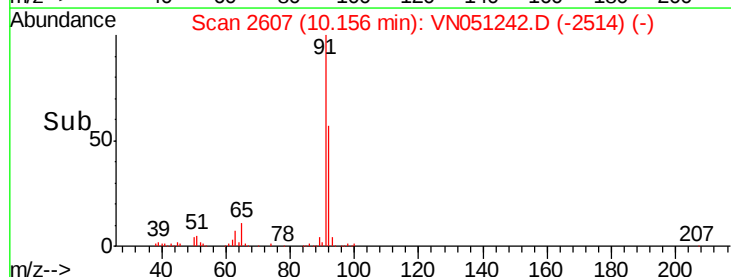
300000

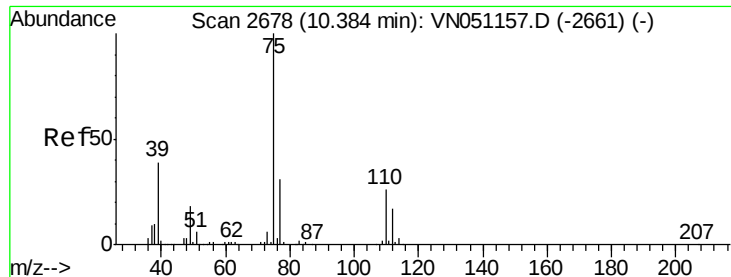
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.25 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

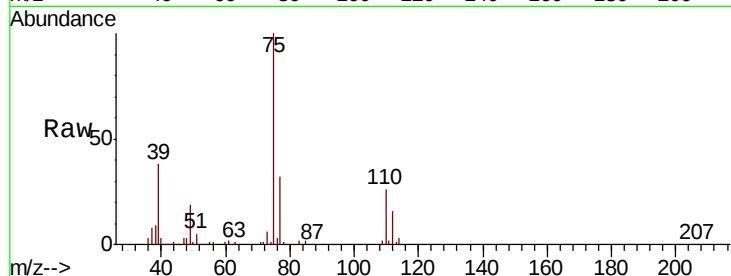
ClientSampleId :

Tot Ion: 75 Resp: 149312

Ion Ratio Lower Upper

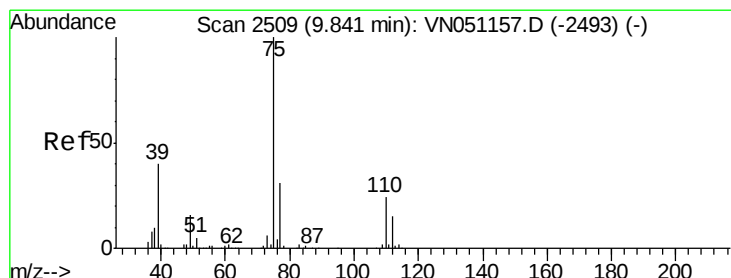
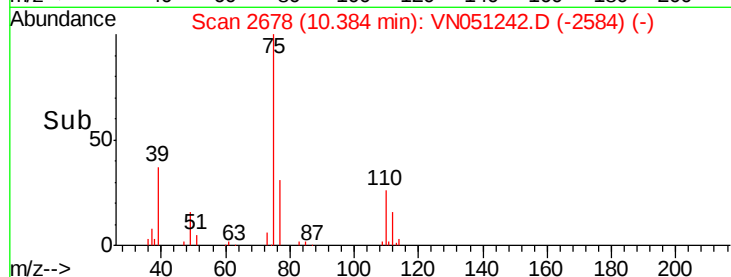
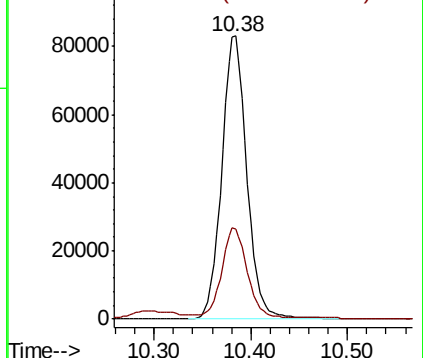
75 100

77 31.3 25.3 37.9



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: 16.79 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

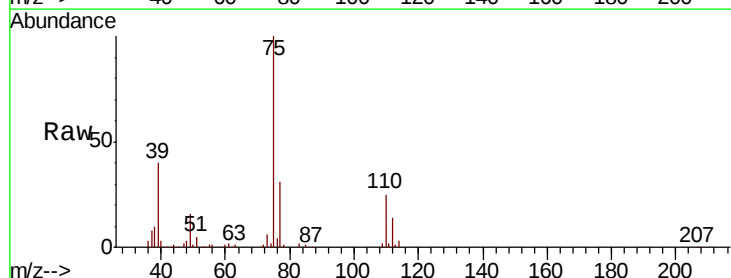
Tgt Ion: 75 Resp: 180874

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

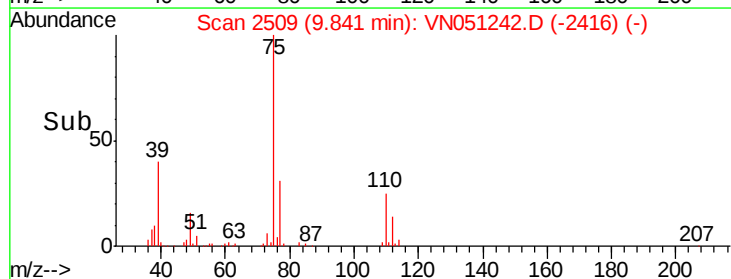
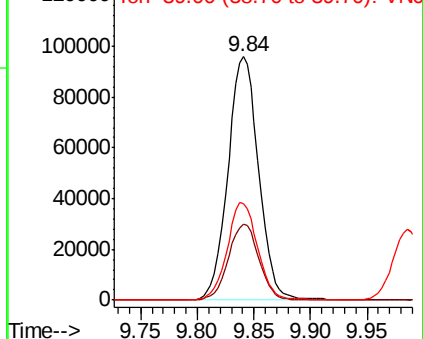
39 39.8 31.9 47.9

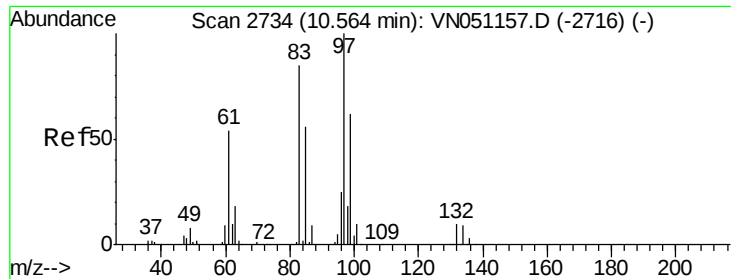


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 17.65 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 111984

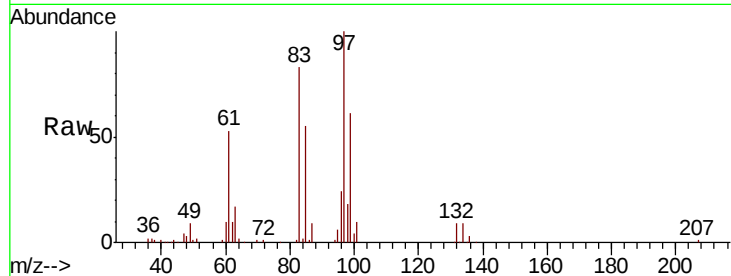
Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.2	102.2
85	54.5	44.8	67.2
99	60.8	50.2	75.4

97 100

83 83.1 68.2 102.2

85 54.5 44.8 67.2

99 60.8 50.2 75.4



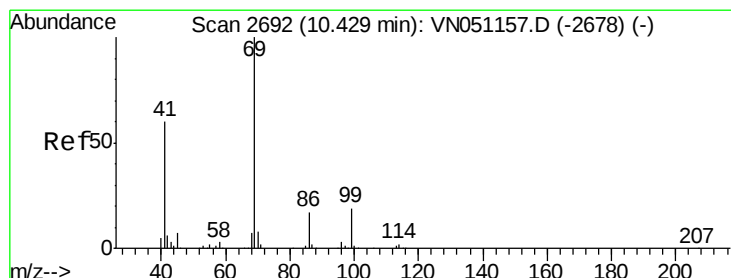
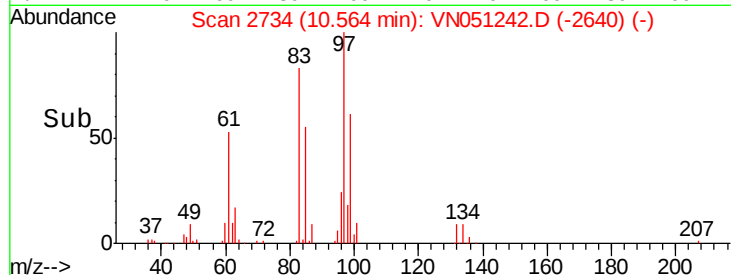
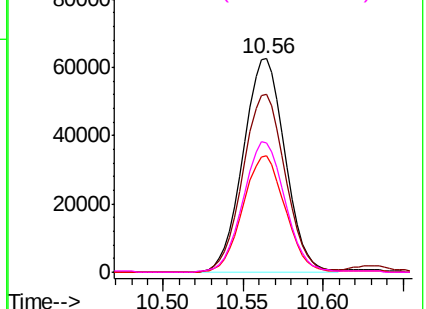
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 16.18 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

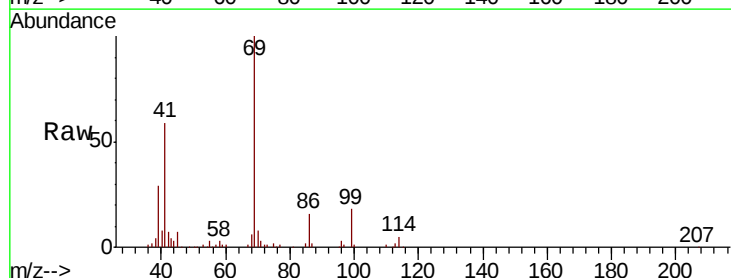
Tgt Ion: 69 Resp: 122911

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.8	71.8
39	28.3	23.0	34.4

69 100

41 58.3 47.8 71.8

39 28.3 23.0 34.4

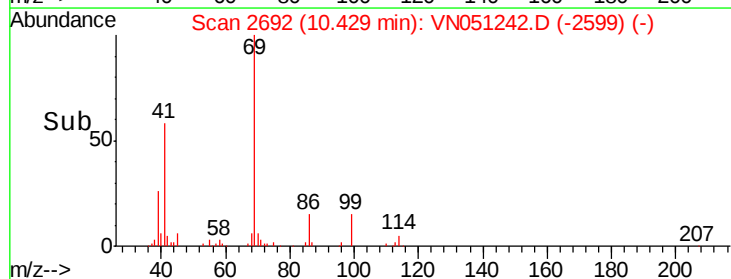
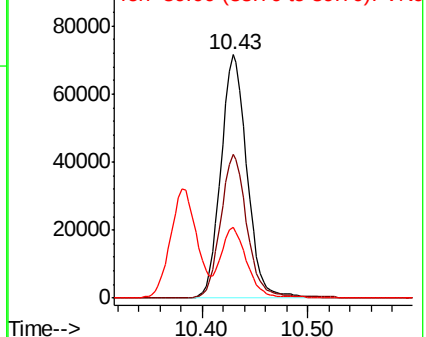


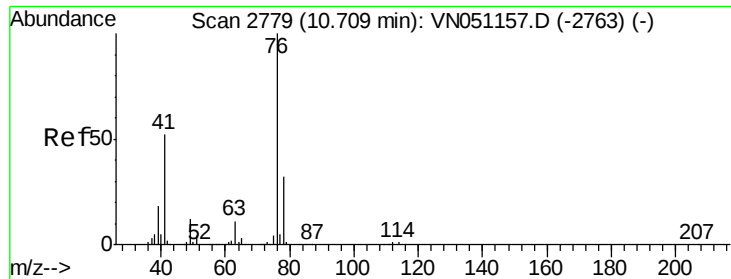
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 17.50 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

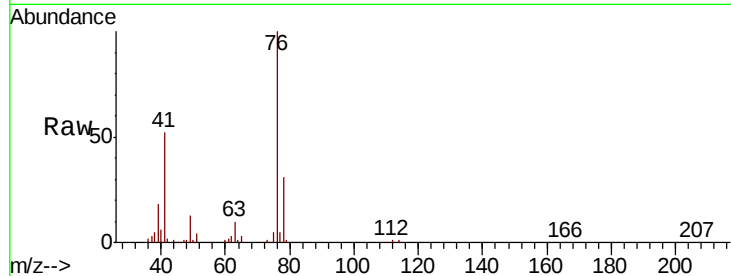
ClientSampled :

Tot Ion: 76 Resp: 184008

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051157.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051157.D (-2763) (-)

120000

100000

80000

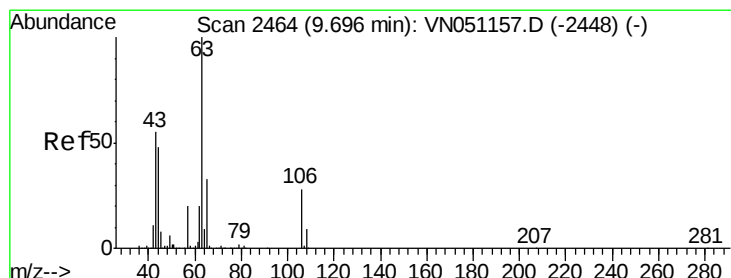
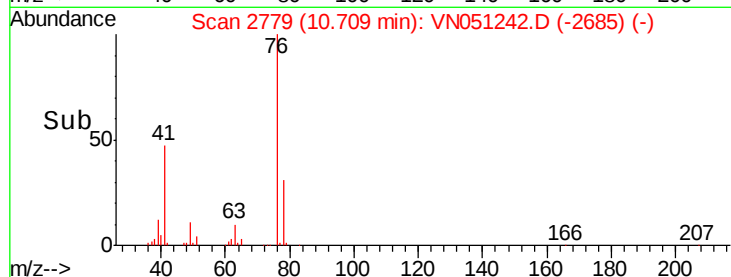
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 74.61 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051242.D

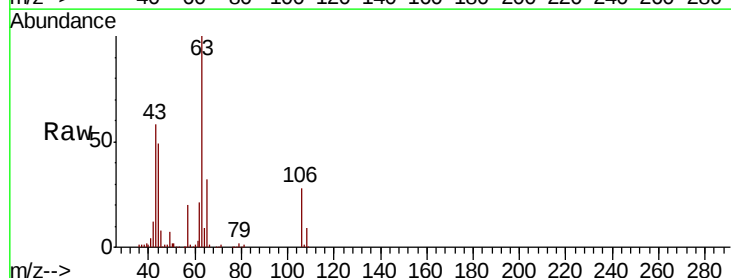
Acq: 16 Sep 2018 00:06

Tgt Ion: 63 Resp: 226295

Ion Ratio Lower Upper

63 100

106 28.1 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051157.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN051157.D (-2448) (-)

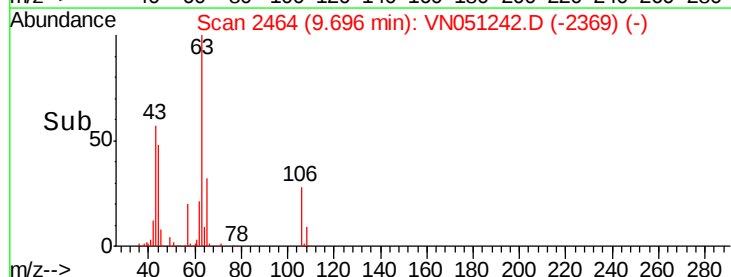
150000

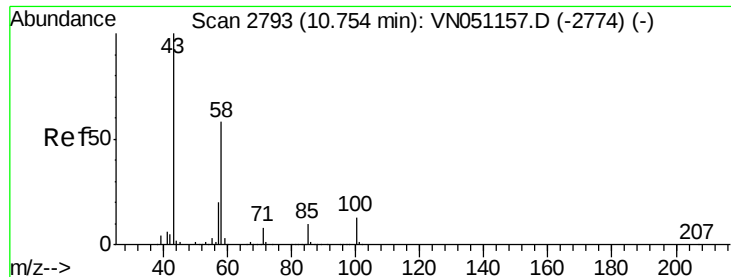
100000

50000

0

Time--> 9.60 9.70 9.80

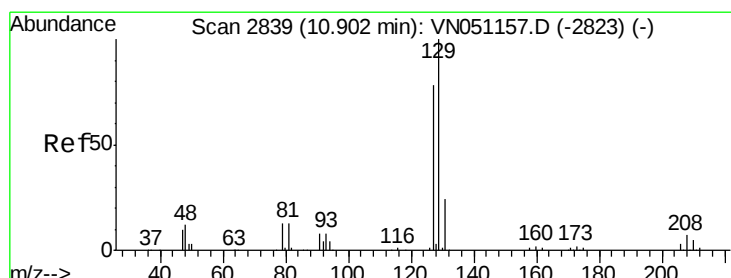
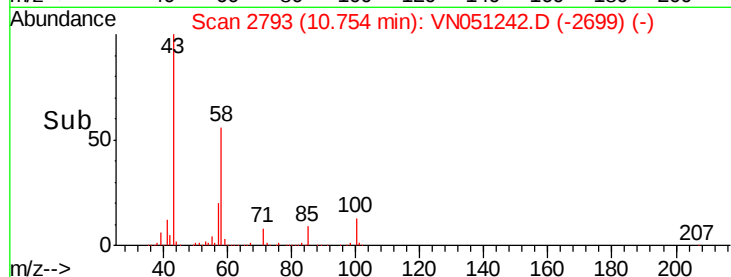
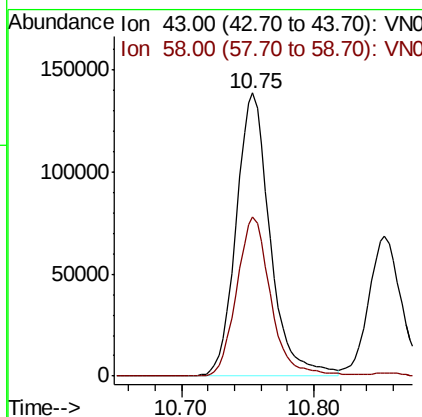
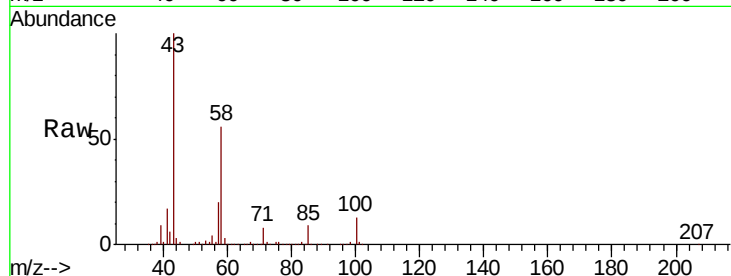




#59
2-Hexanone
Concen: 67.38 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

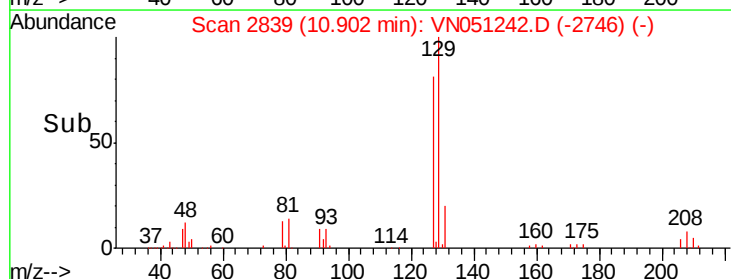
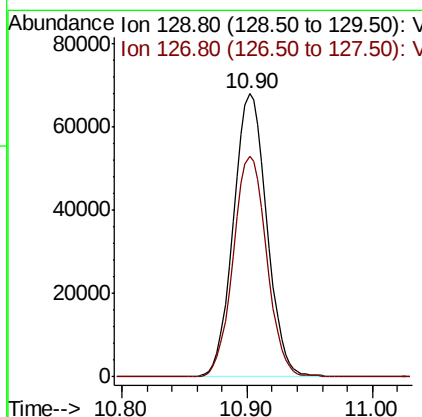
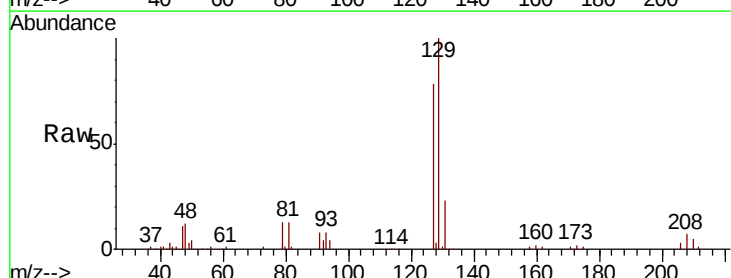
Instrument :
MSVOA_N
ClientSampleId :

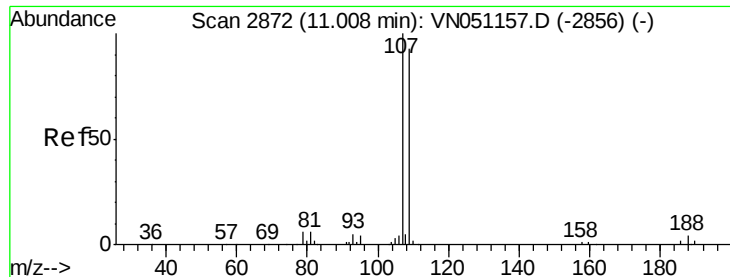
Tot Ion: 43 Resp: 245442
Ion Ratio Lower Upper
43 100
58 56.9 29.3 88.0



#60
Dibromochloromethane
Concen: 17.60 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 129 Resp: 125818
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.30 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

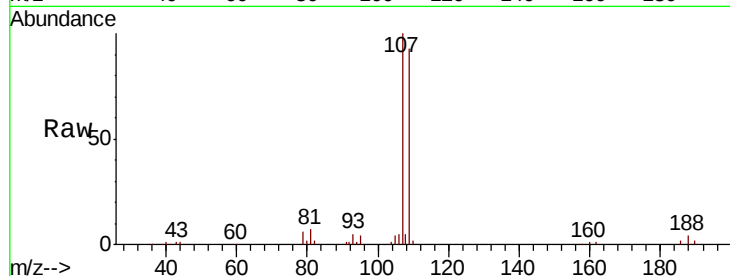
ClientSampleId :

Tot Ion: 107 Resp: 107295

Ion Ratio Lower Upper

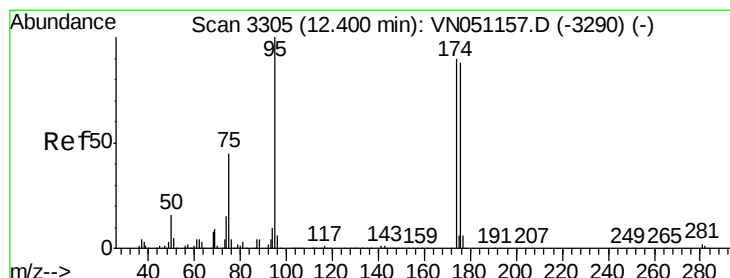
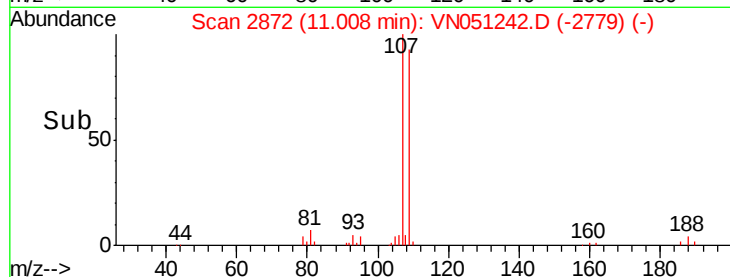
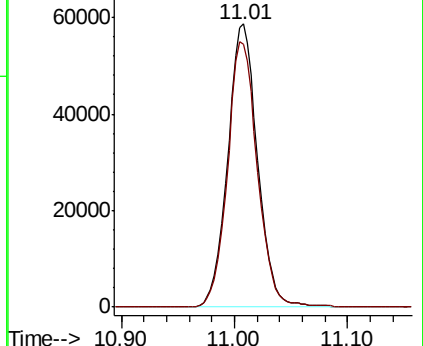
107 100

109 94.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.51 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

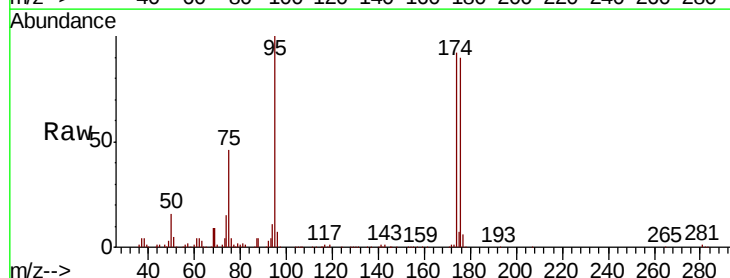
Tgt Ion: 95 Resp: 322579

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.8

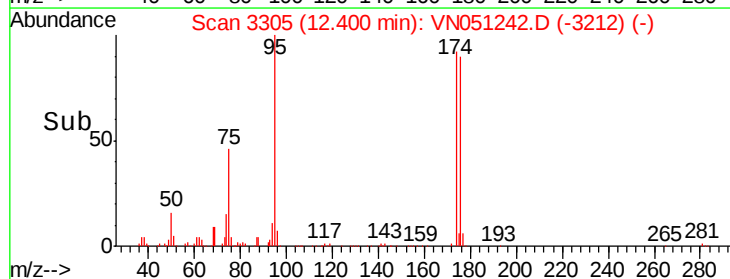
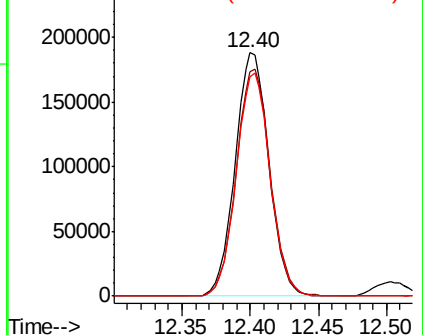
176 91.7 0.0 178.6

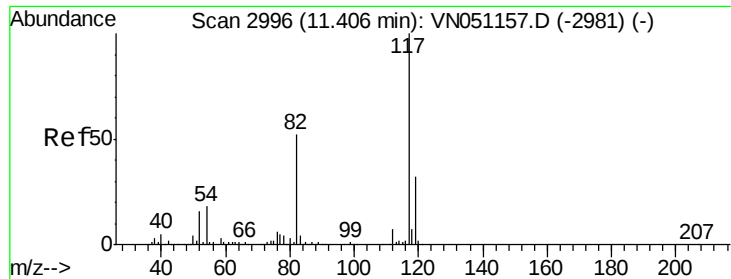


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

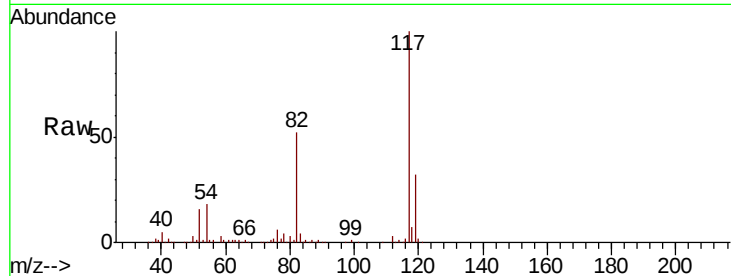




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.6
119	32.1	26.2	39.2

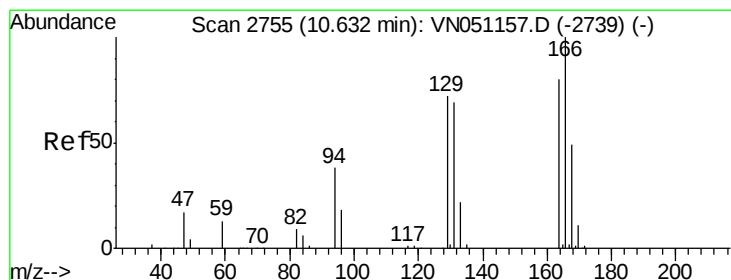
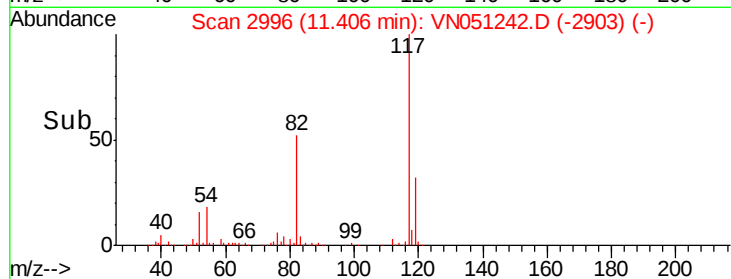
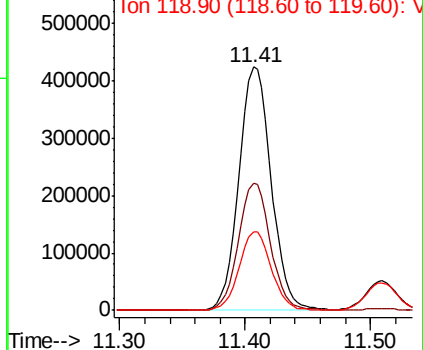


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.20 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.3	151.9
129	88.7	72.2	108.2
131	86.3	70.2	105.2

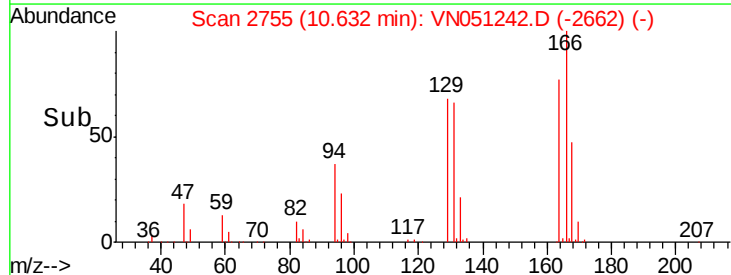
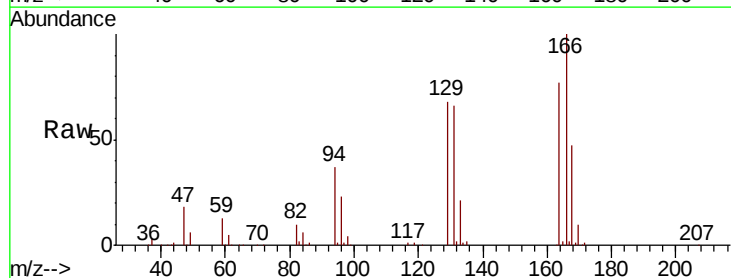
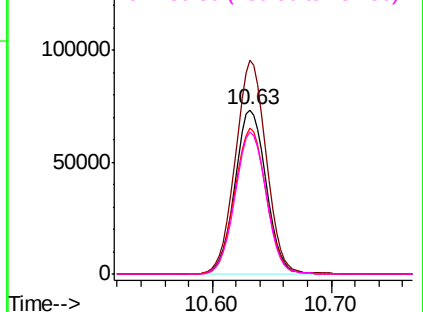
Abundance

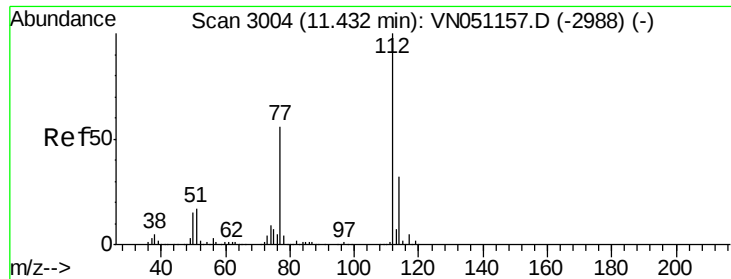
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

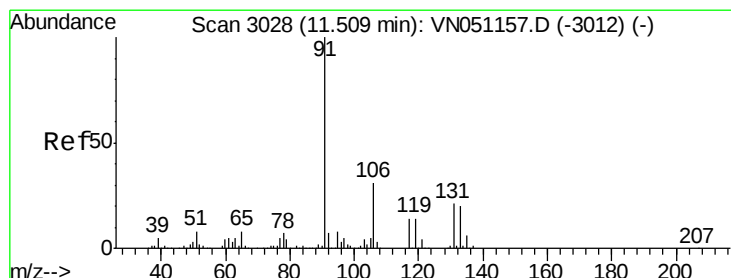
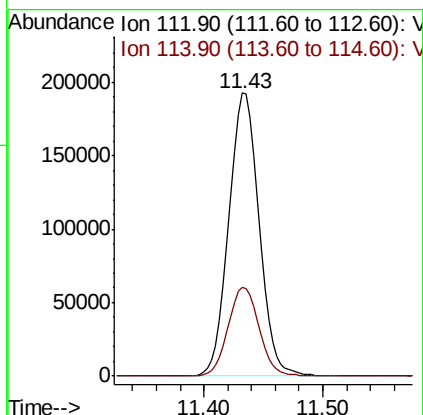
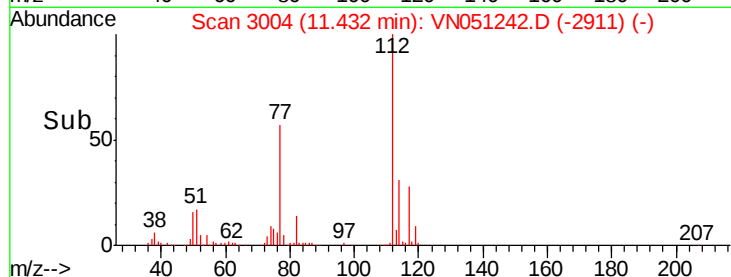
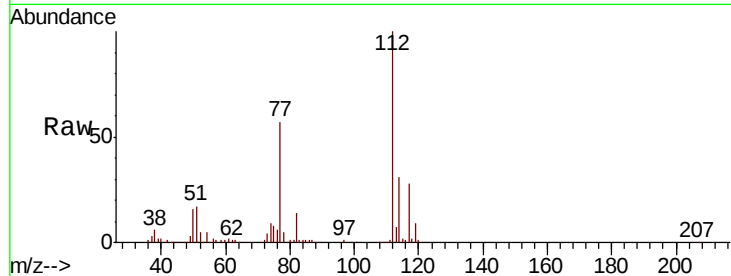




#65
Chlorobenzene
Concen: 17.80 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

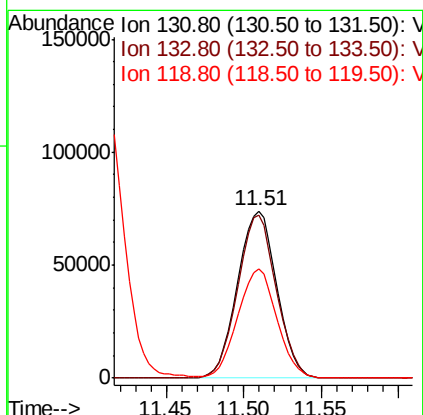
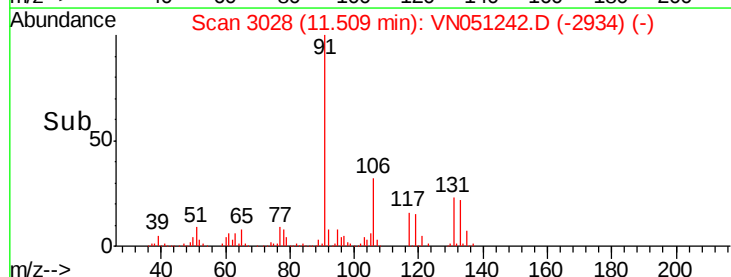
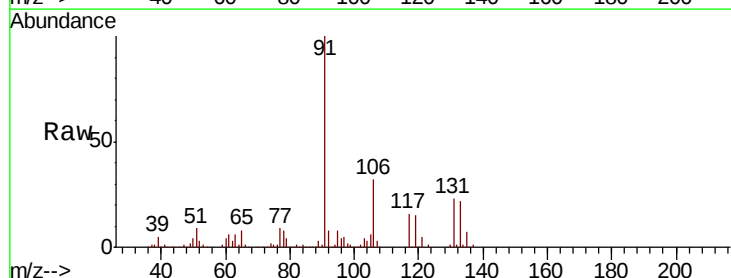
Instrument :
MSVOA_N
ClientSampled :

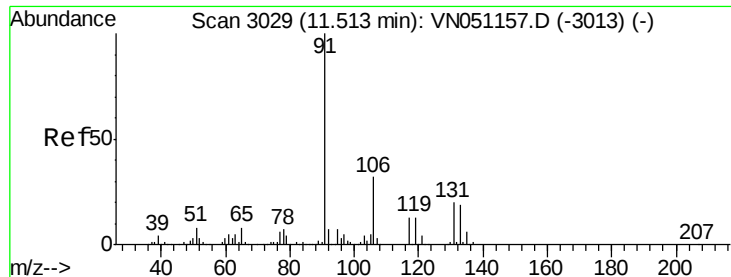
Tot Ion:112 Resp: 341192
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.89 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion:131 Resp: 130388
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 65.2 33.2 99.6

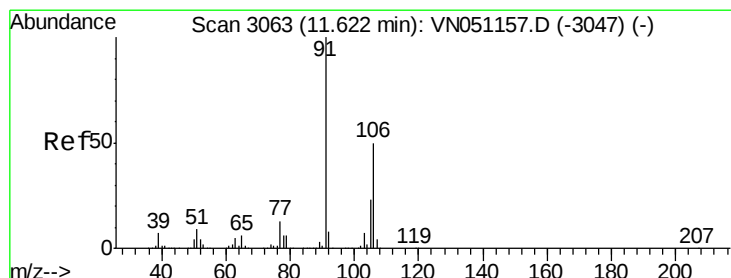
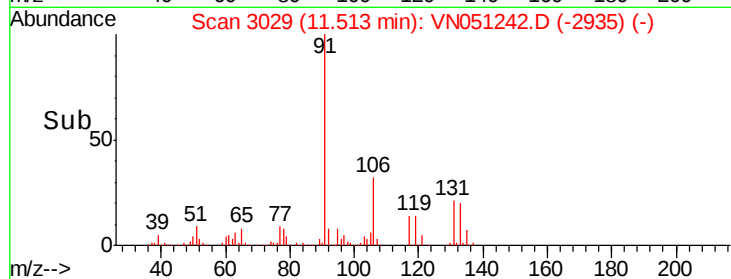
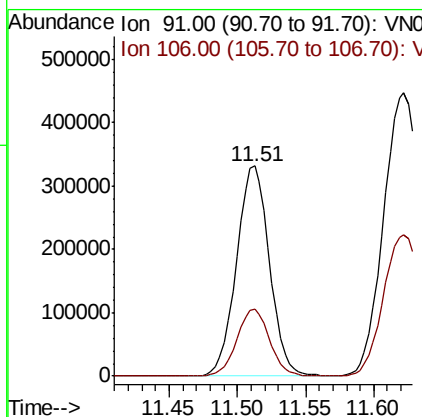
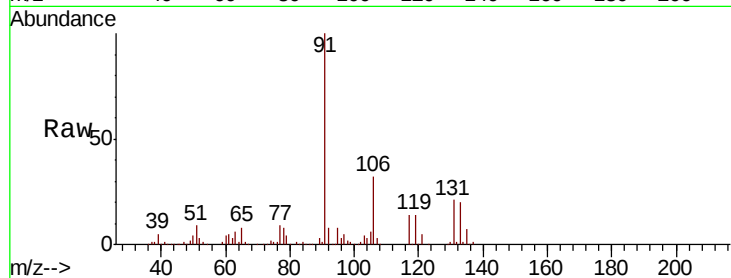




#67
Ethyl Benzene
Concen: 17.90 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

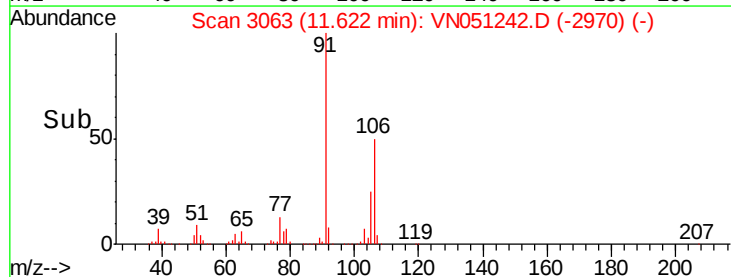
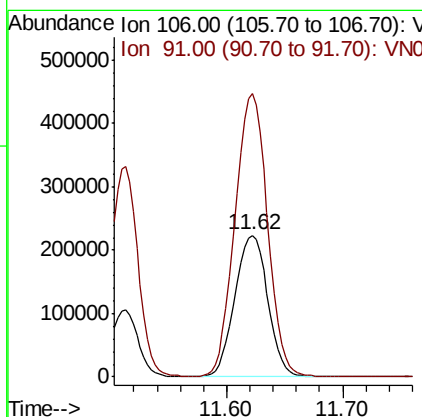
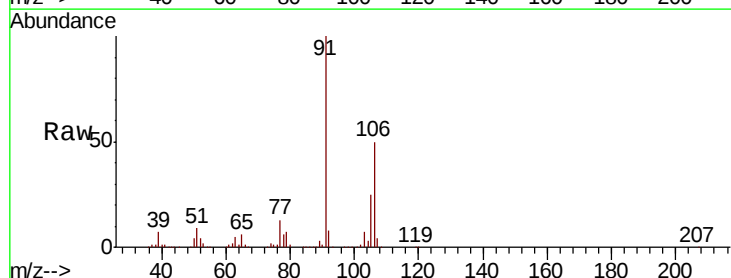
Instrument :
MSVOA_N
ClientSampled :

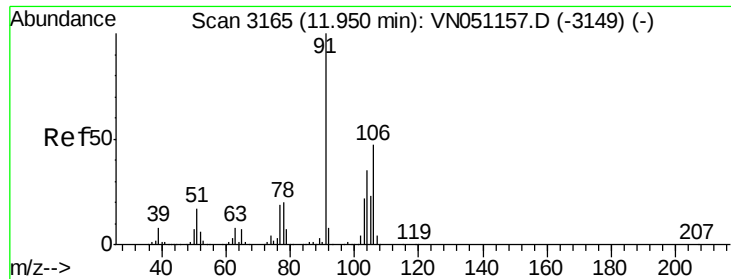
Tot Ion: 91 Resp: 55526
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 36.81 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 106 Resp: 438971
Ion Ratio Lower Upper
106 100
91 198.1 159.8 239.6

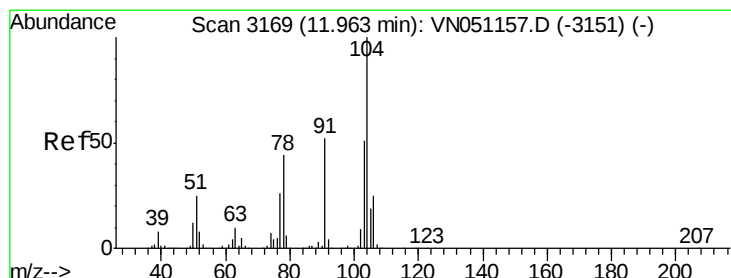
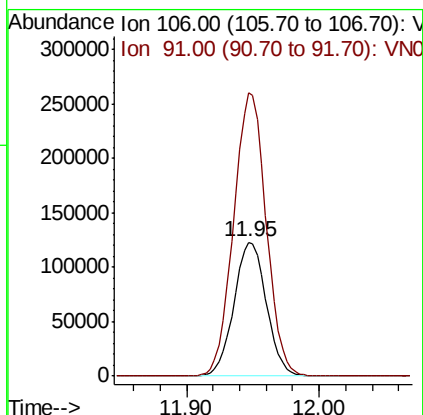
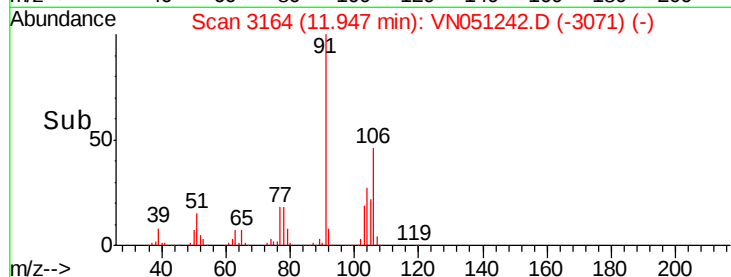
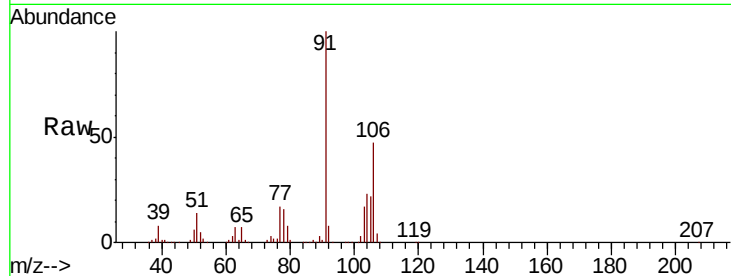




#69
o-Xylene
Concen: 18.03 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

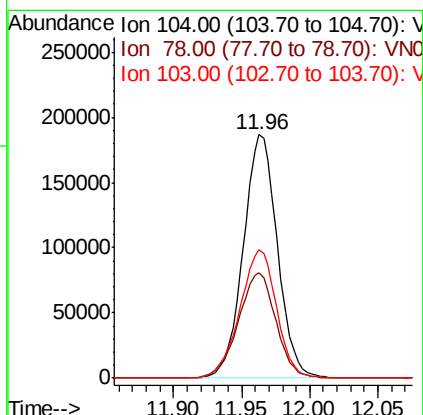
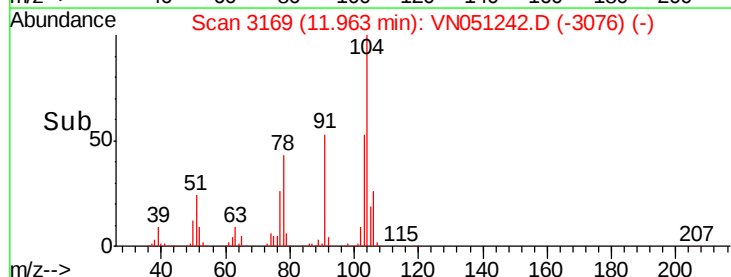
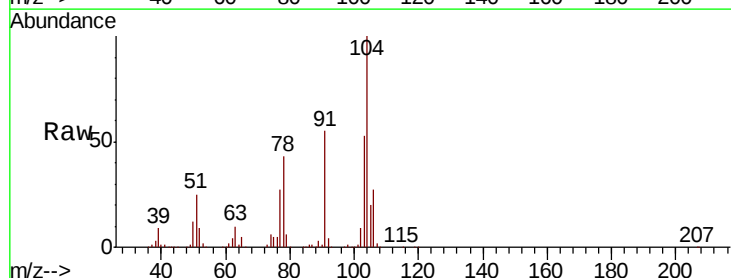
Instrument :
MSVOA_N
ClientSampleId :

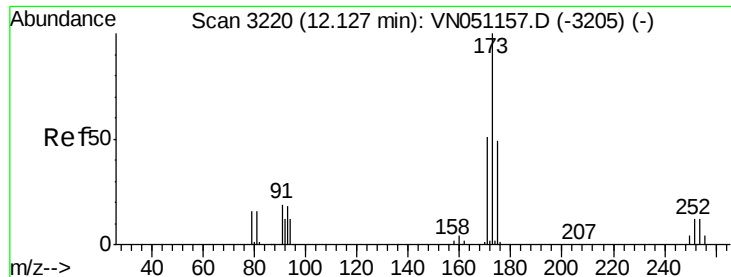
Tot Ion:106 Resp: 208262
Ion Ratio Lower Upper
106 100
91 212.8 105.1 315.1



#70
Styrene
Concen: 18.08 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion:104 Resp: 323909
Ion Ratio Lower Upper
104 100
78 47.7 37.7 56.5
103 56.7 44.6 67.0





#71

Bromoform

Concen: 16.82 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

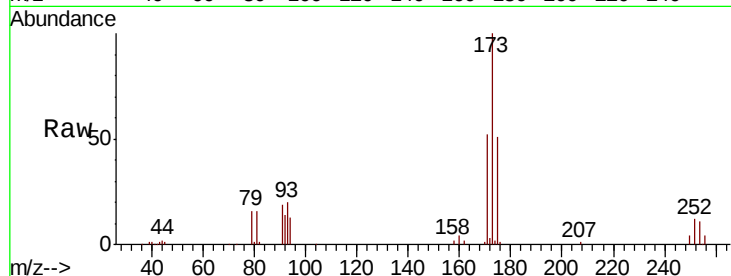
Tot Ion:173 Resp: 81736

Ion Ratio Lower Upper

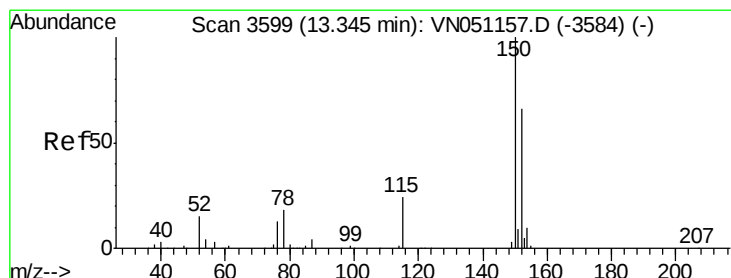
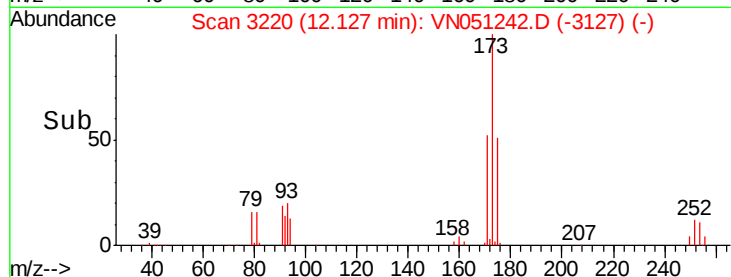
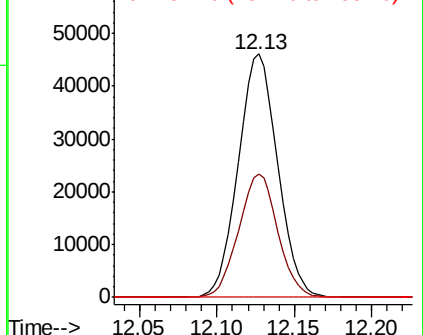
173 100

175 50.2 24.3 72.9

254 0.0 0.0 0.0#



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# 3599

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

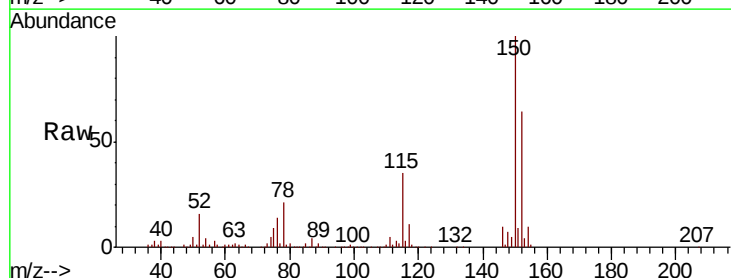
Tgt Ion:152 Resp: 343374

Ion Ratio Lower Upper

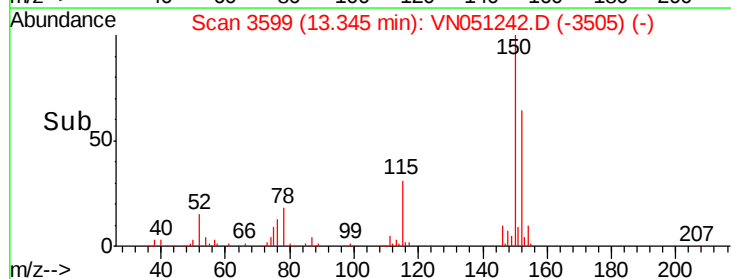
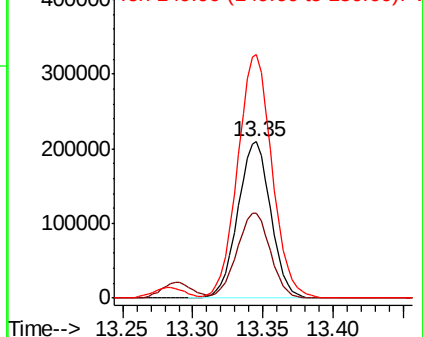
152 100

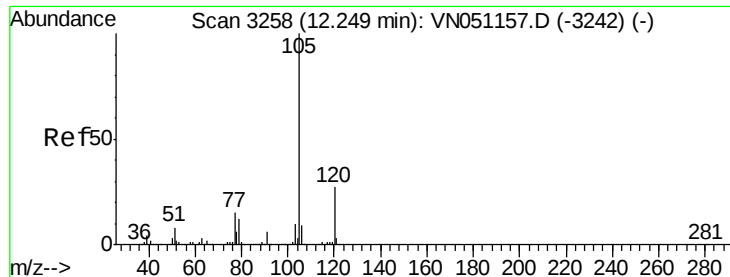
115 55.3 28.2 84.7

150 162.4 0.0 349.0



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: 18.90 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

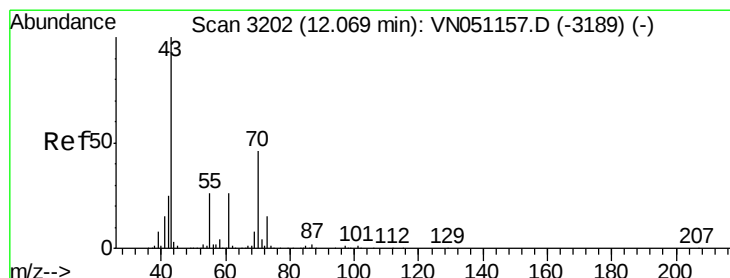
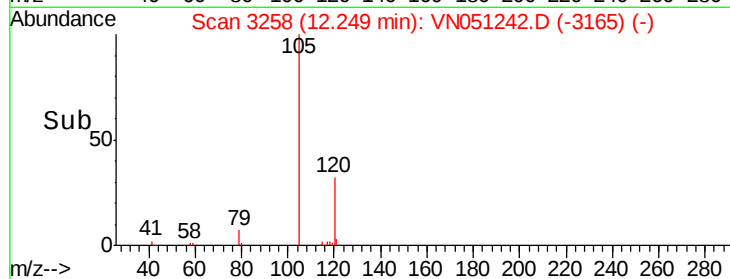
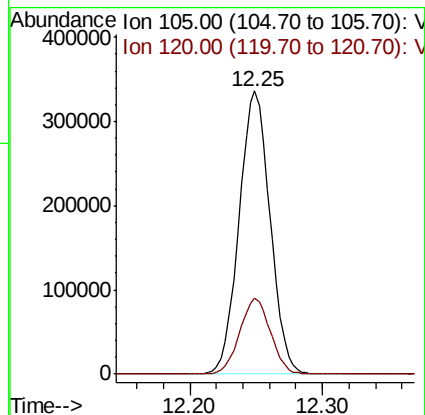
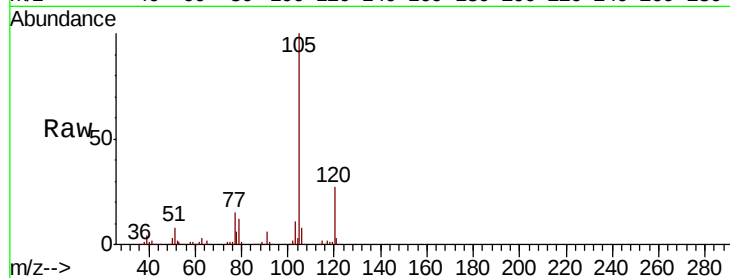
ClientSampleId :

Tot Ion: 105 Resp: 544243

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 14.22 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Tgt Ion: 43 Resp: 103057

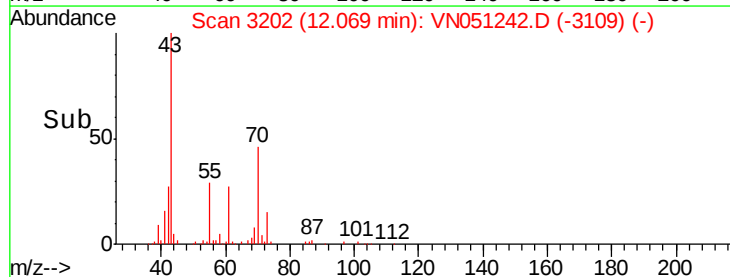
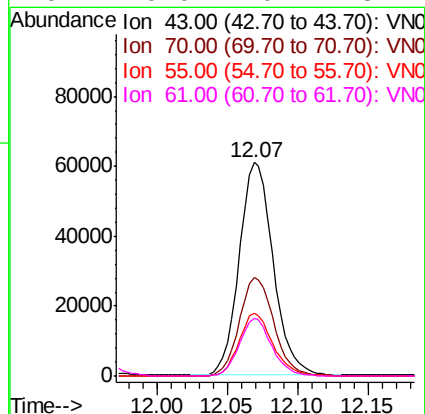
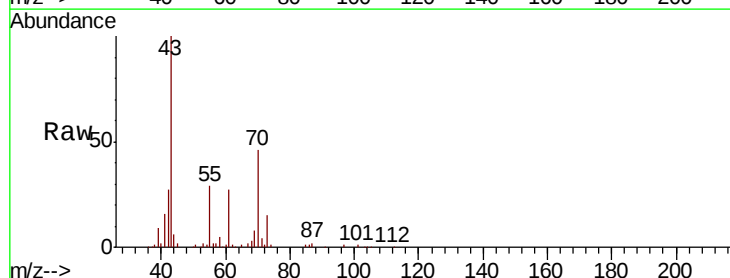
Ion Ratio Lower Upper

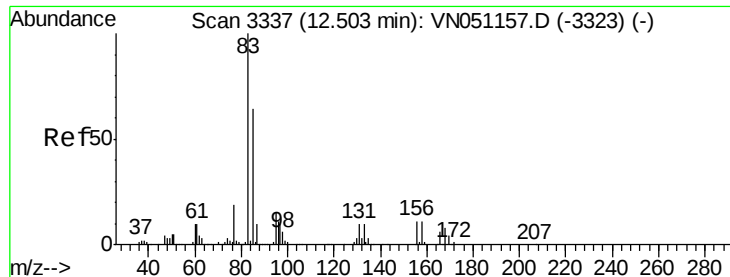
43 100

70 46.8 37.0 55.4

55 29.3 21.3 31.9

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.15 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

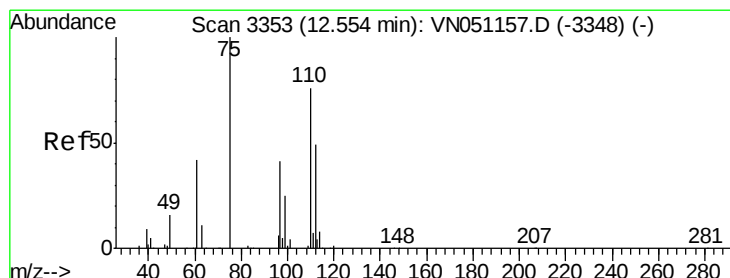
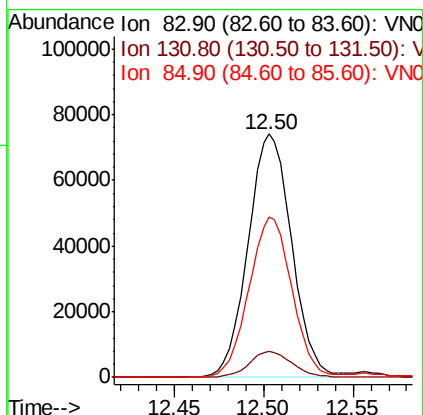
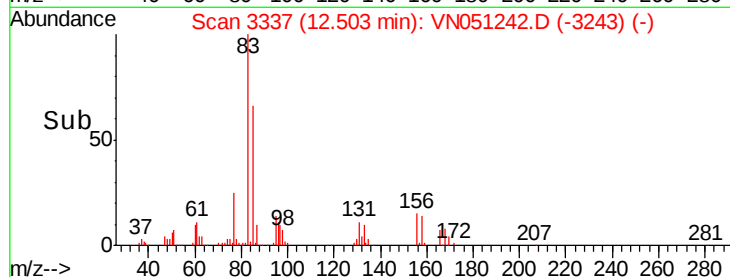
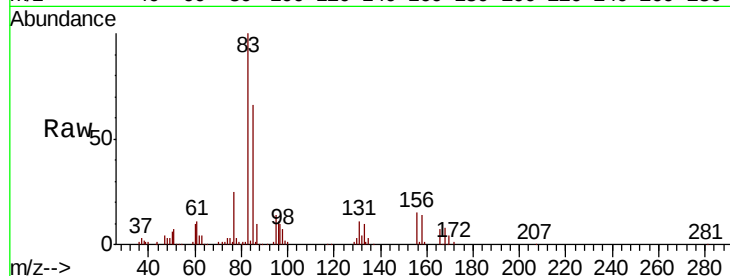
Tot Ion: 83 Resp: 126581

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

85 65.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 25.91 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051242.D

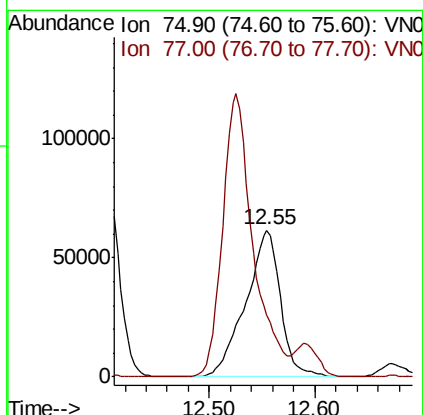
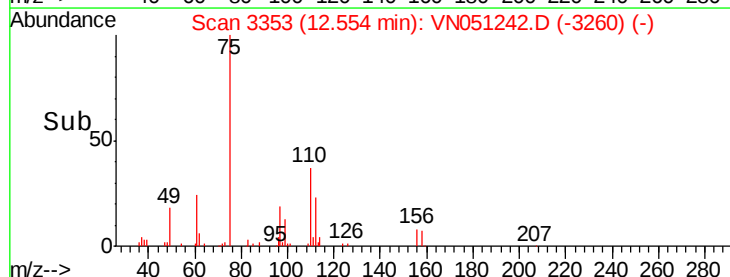
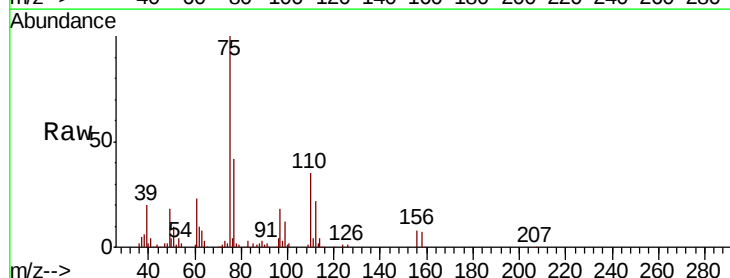
Acq: 16 Sep 2018 00:06

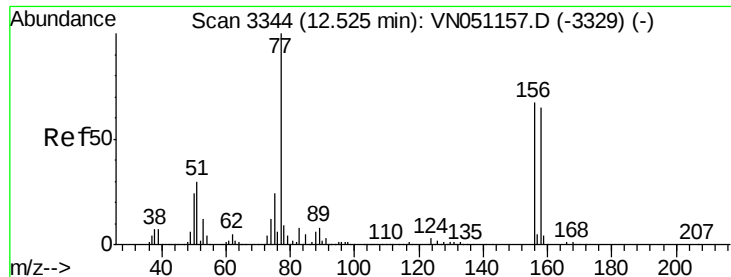
Tgt Ion: 75 Resp: 141732

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.16 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampled :

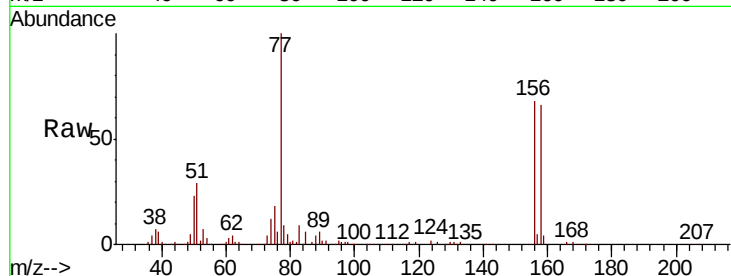
Tot Ion:156 Resp: 140486

Ion Ratio Lower Upper

156 100

77 169.8 87.5 262.6

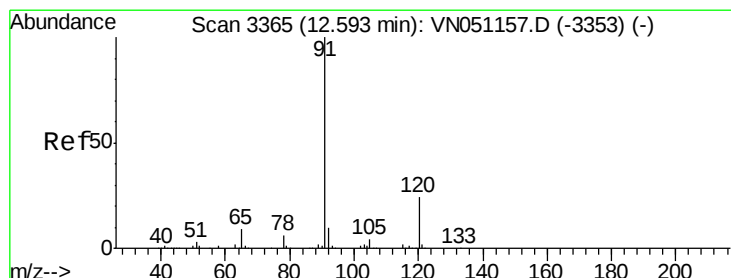
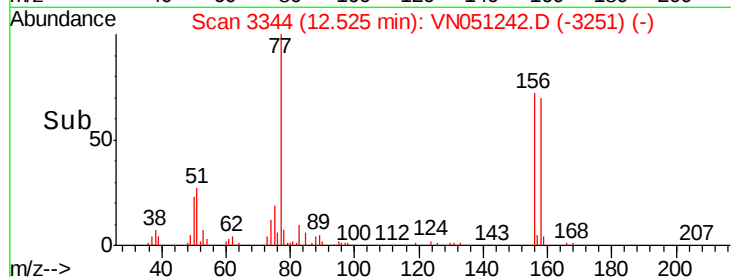
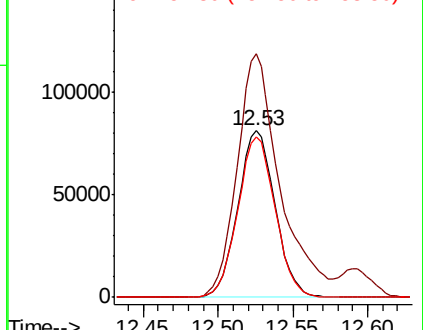
158 96.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.48 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051242.D

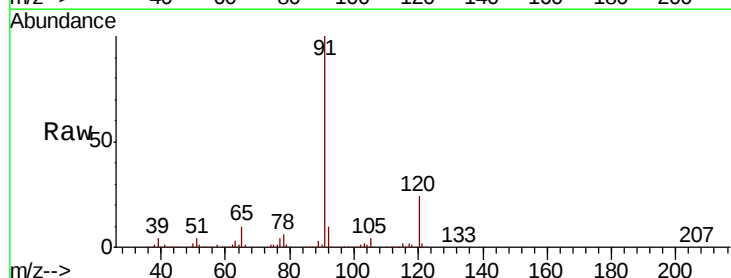
Acq: 16 Sep 2018 00:06

Tgt Ion: 91 Resp: 585089

Ion Ratio Lower Upper

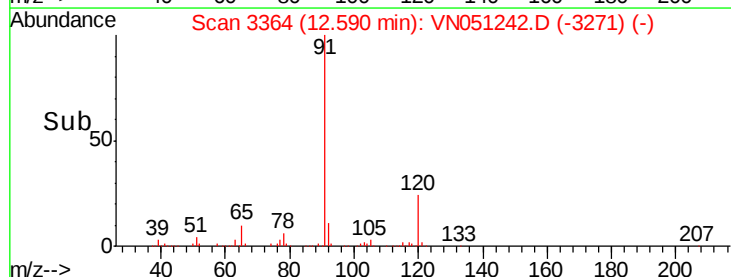
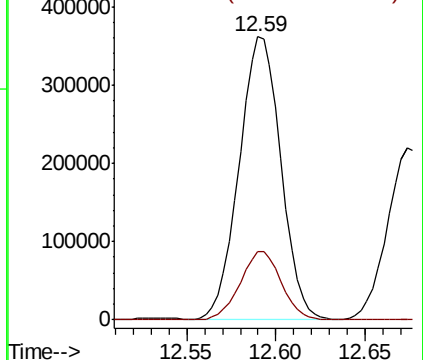
91 100

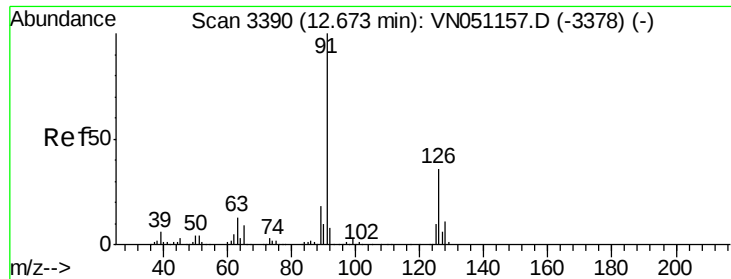
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

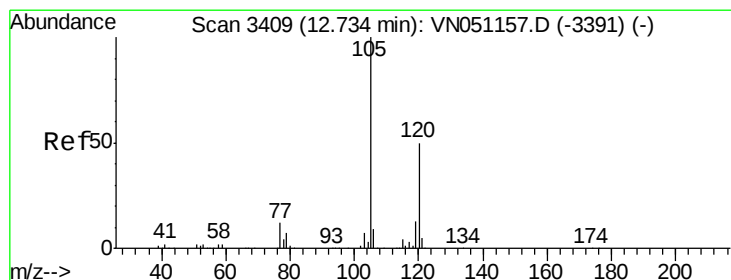
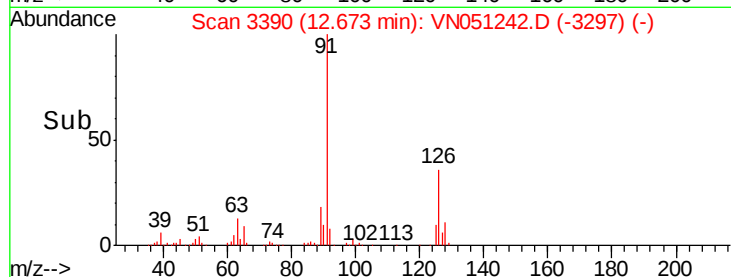
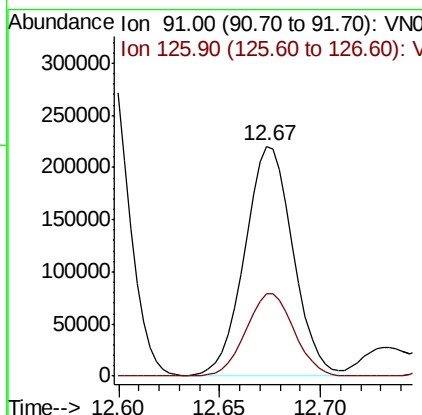
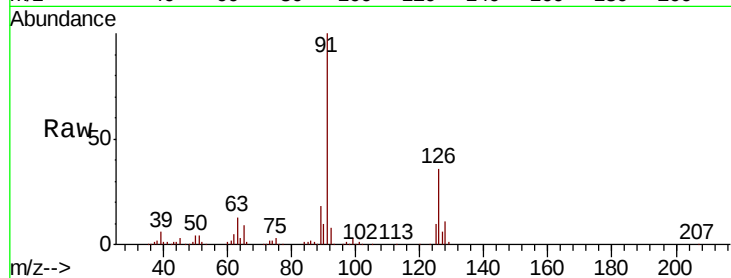




#79
 2-Chlorotoluene
 Concen: 18.53 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

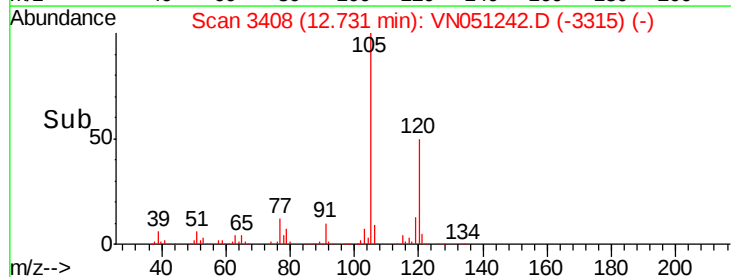
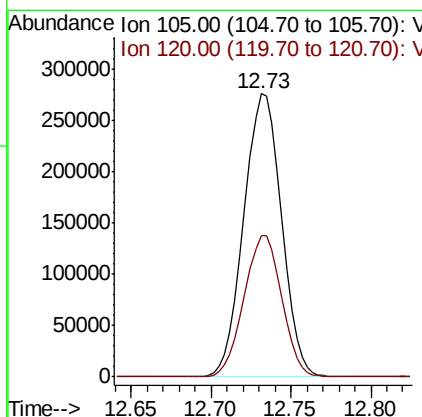
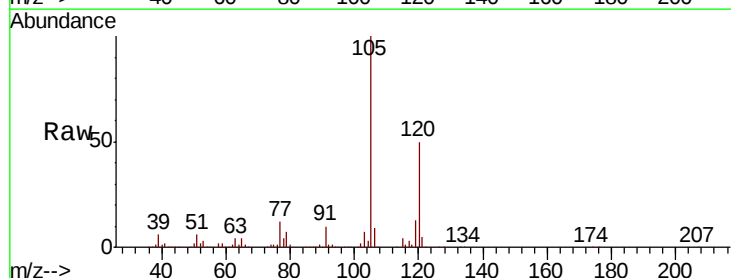
Instrument :
 MSVOA_N
 ClientSampled :

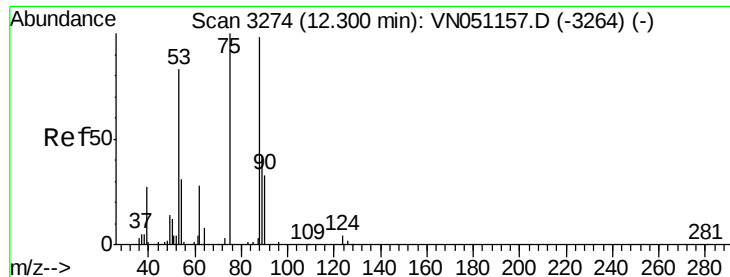
Tot Ion: 91 Resp: 366532
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.04 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion: 105 Resp: 443336
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 13.60 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

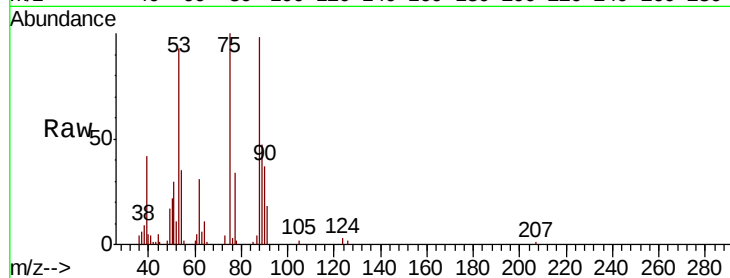
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 24586

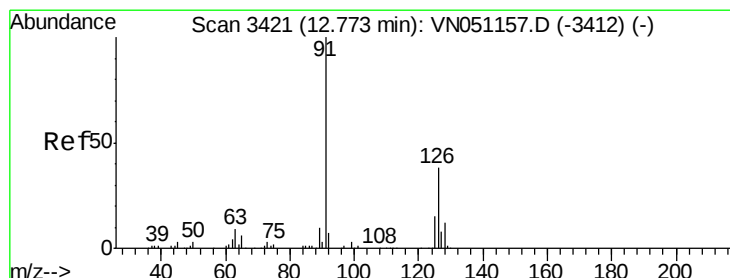
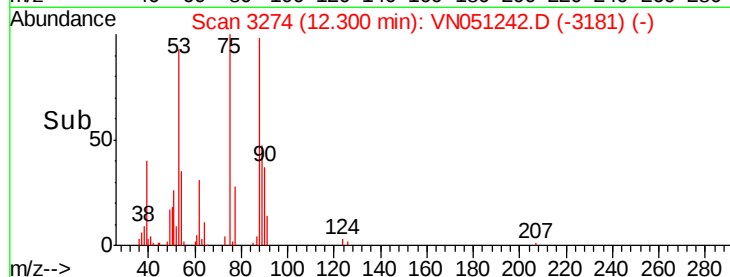
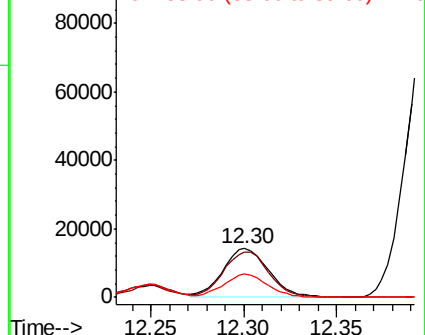
Ion	Ratio	Lower	Upper
75	100		
53	92.4	67.8	101.8
89	45.0	36.0	54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.99 ug/l

RT: 12.77 min Scan# 3421

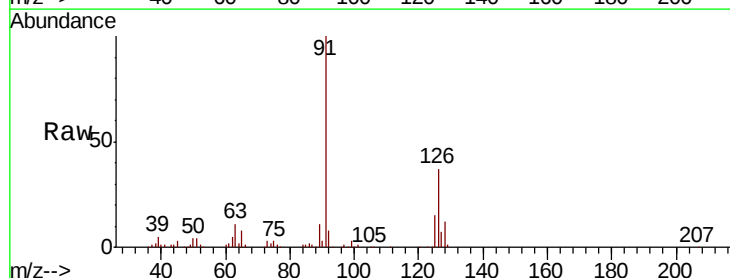
Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

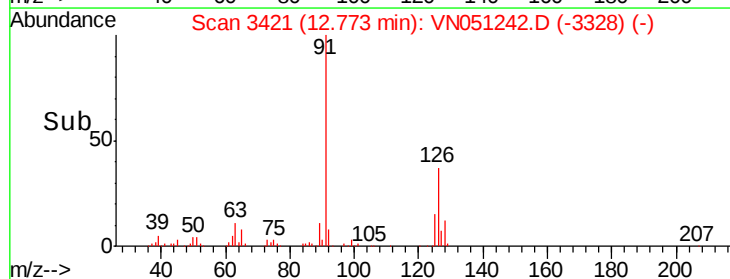
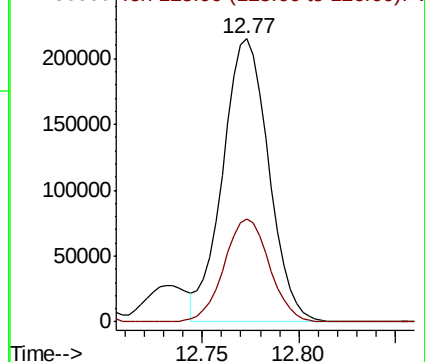
Tgt Ion: 91 Resp: 353371

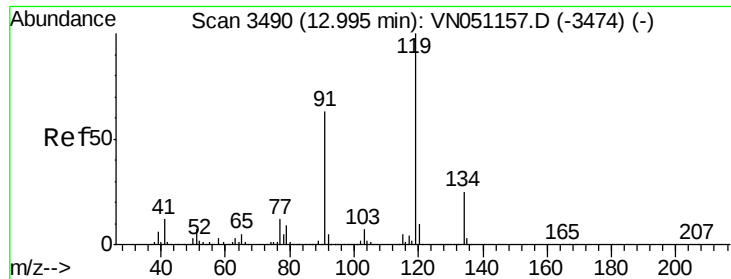
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

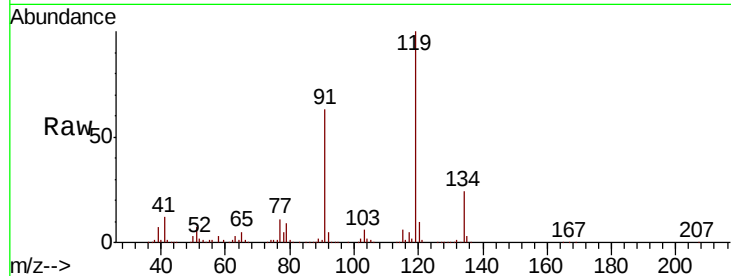




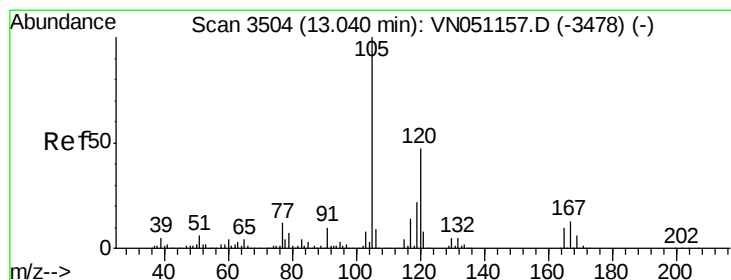
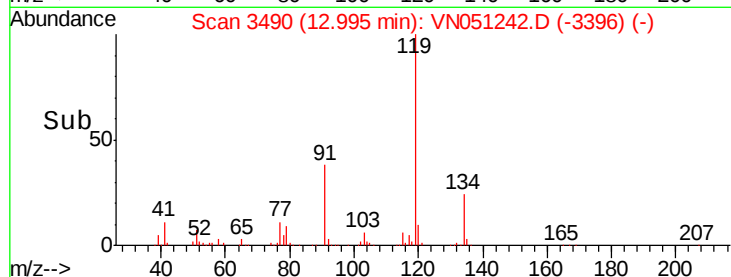
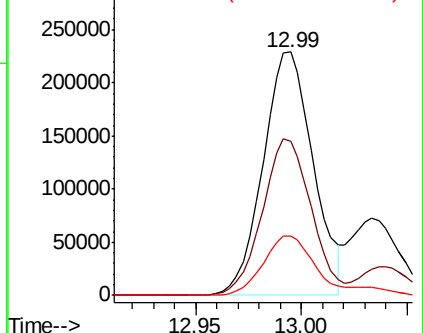
#83
tert-Butylbenzene
Concen: 18.41 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 378475
Ion Ratio Lower Upper
119 100
91 62.8 30.8 92.3
134 24.6 13.2 39.6

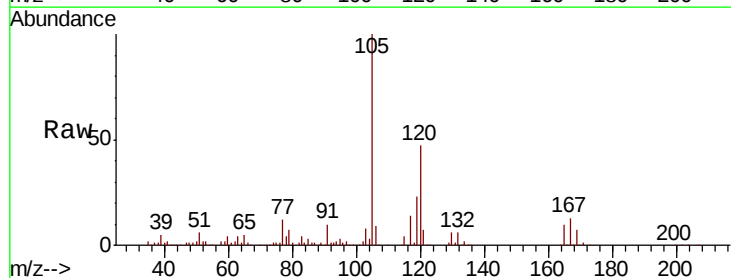


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

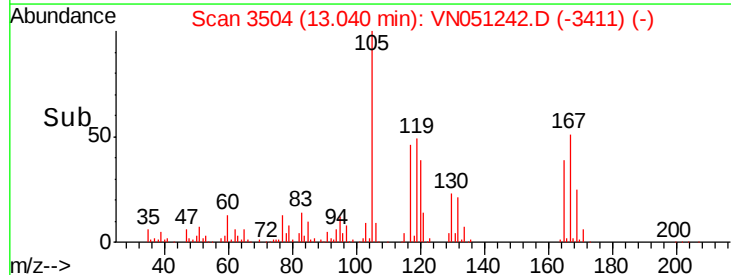
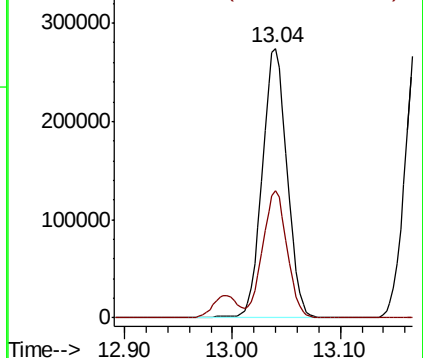


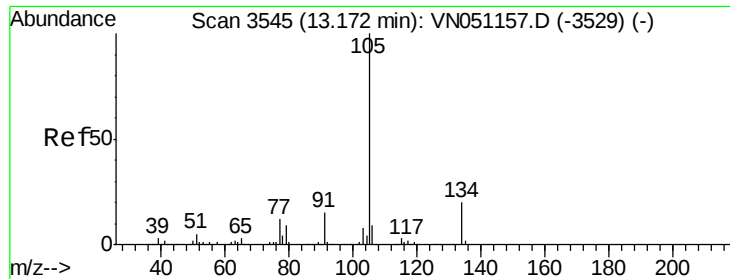
#84
1,2,4-Trimethylbenzene
Concen: 19.11 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion:105 Resp: 437520
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.47 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

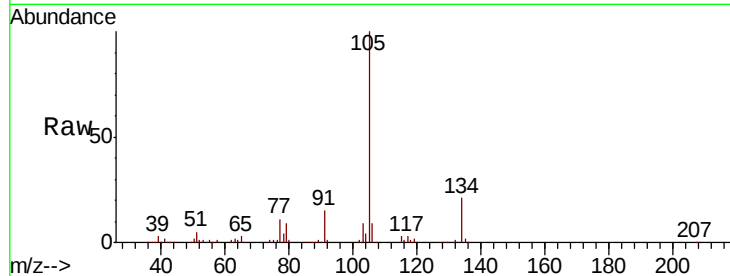
ClientSampleId :

Tot Ion:105 Resp: 486787

Ion Ratio Lower Upper

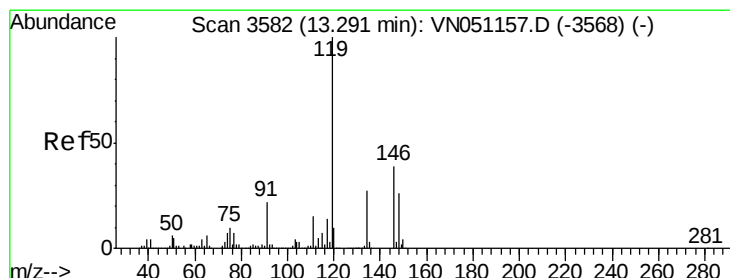
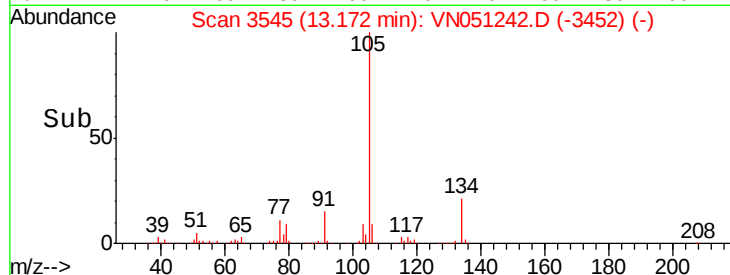
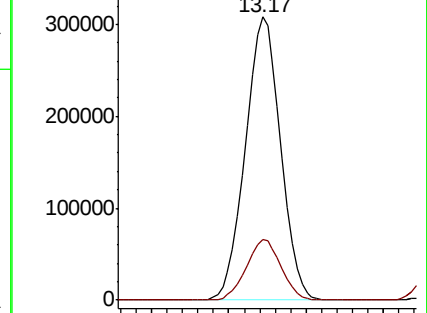
105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.68 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

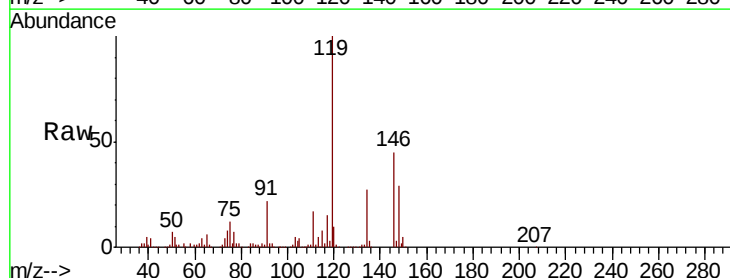
Tgt Ion:119 Resp: 417569

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

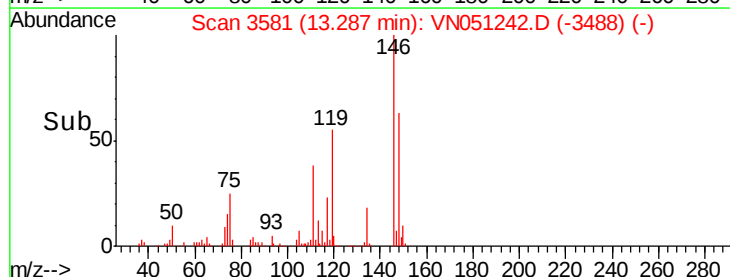
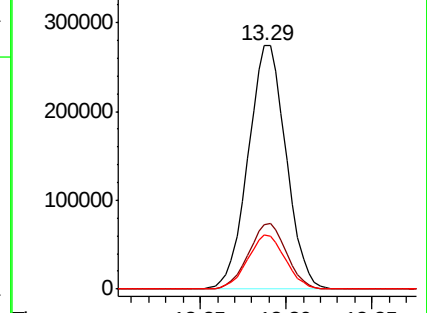
91 22.0 10.9 32.9

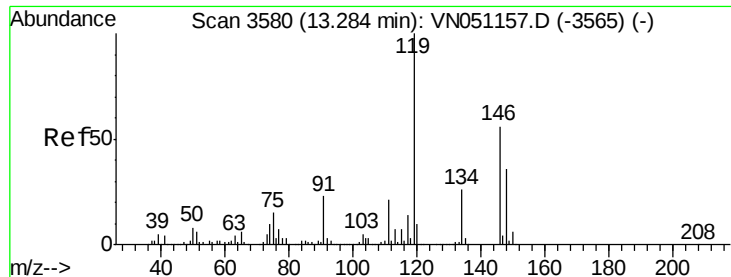


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

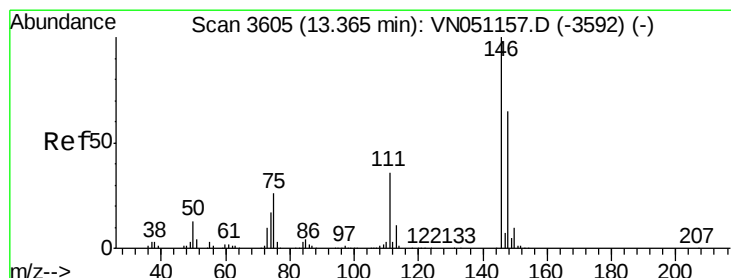
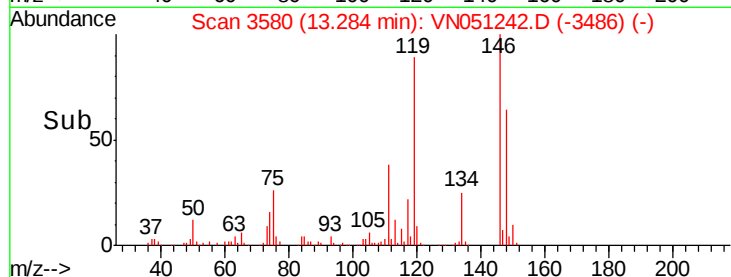
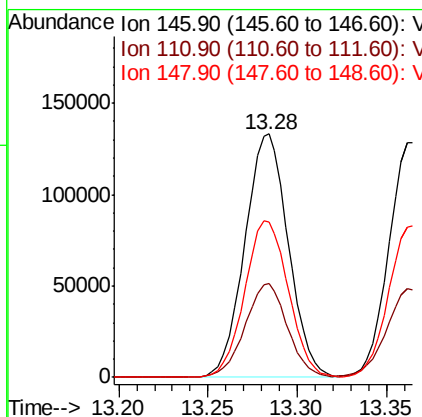
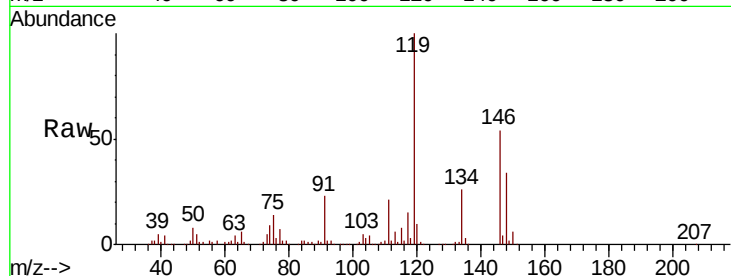




#87
 1,3-Dichlorobenzene
 Concen: 17.31 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

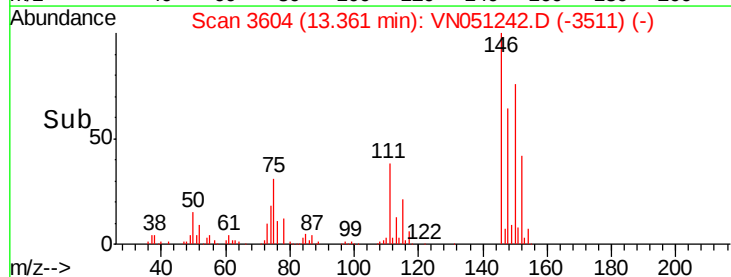
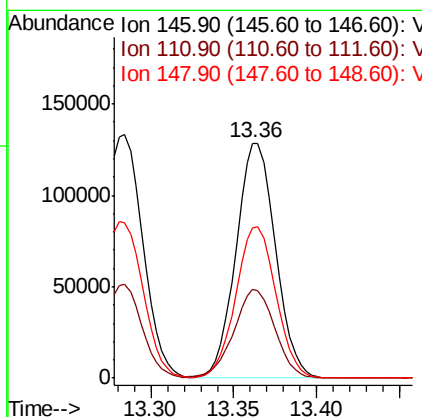
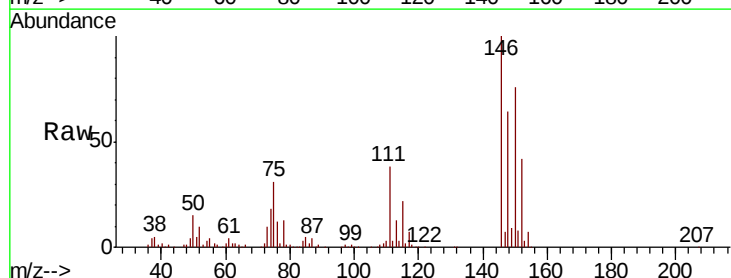
Instrument :
 MSVOA_N
 ClientSampleId :

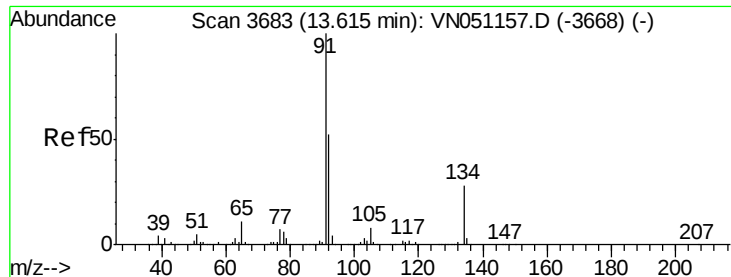
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.7	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 17.74 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.4	55.0
148	65.5	32.2	96.6

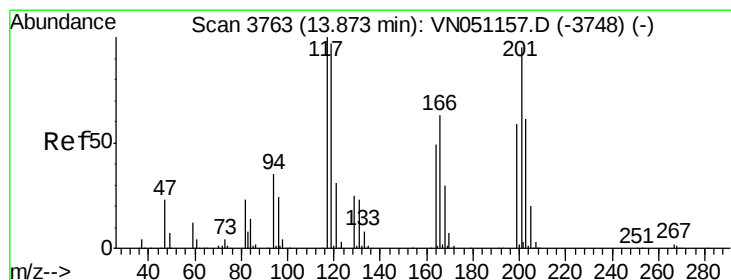
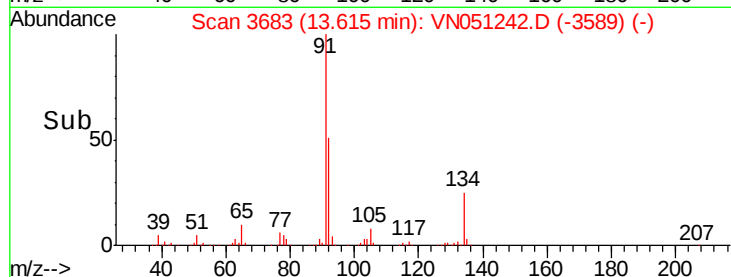
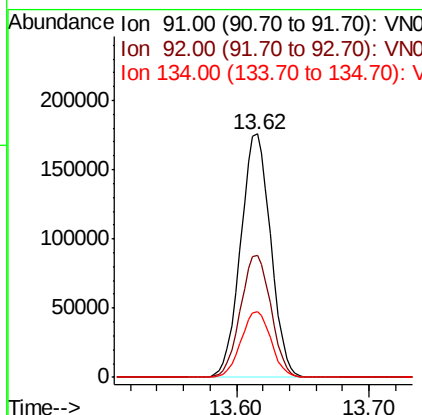
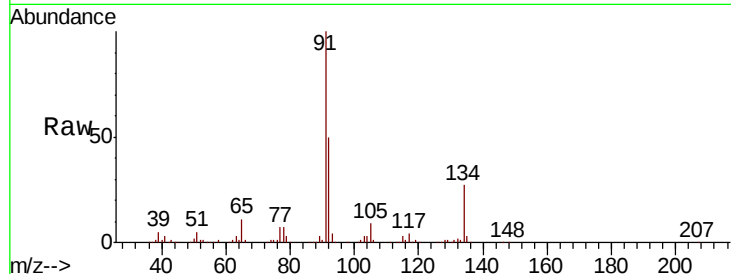




#89
n-Butylbenzene
Concen: 15.92 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

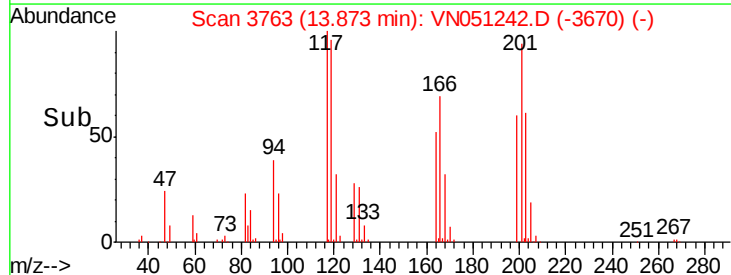
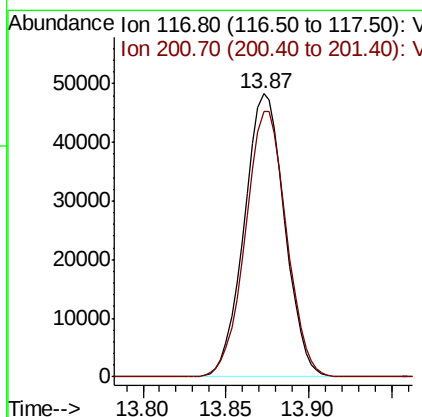
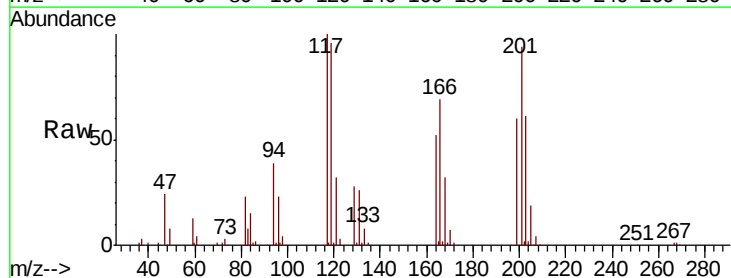
Instrument :
MSVOA_N
ClientSampleId :

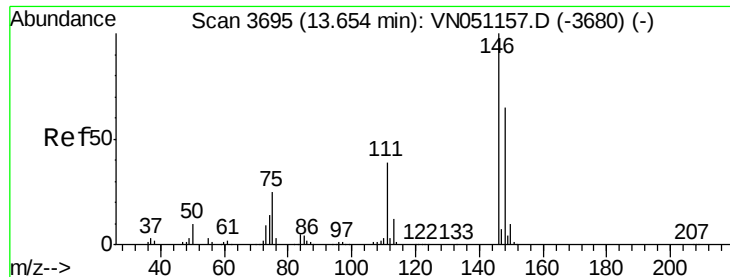
Tot Ion: 91 Resp: 276966
Ion Ratio Lower Upper
91 100
92 50.8 26.2 78.6
134 26.7 13.7 41.1



#90
Hexachloroethane
Concen: 19.74 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051242.D
Acq: 16 Sep 2018 00:06

Tgt Ion: 117 Resp: 81847
Ion Ratio Lower Upper
117 100
201 95.0 47.3 142.0





#91

1,2-Dichlorobenzene

Concen: 17.28 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Instrument :

MSVOA_N

ClientSampleId :

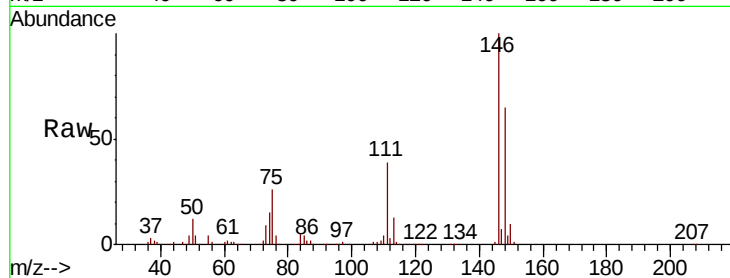
Tot Ion:146 Resp: 220954

Ion Ratio Lower Upper

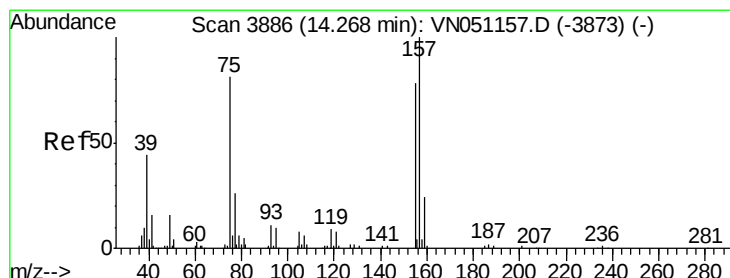
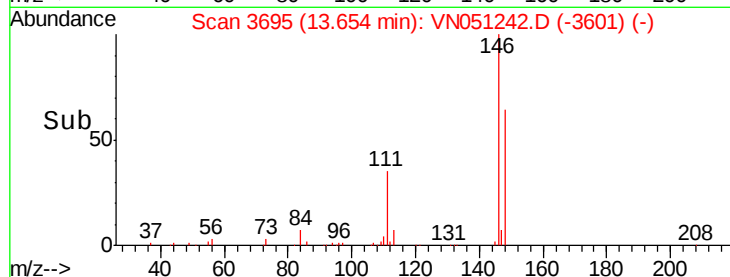
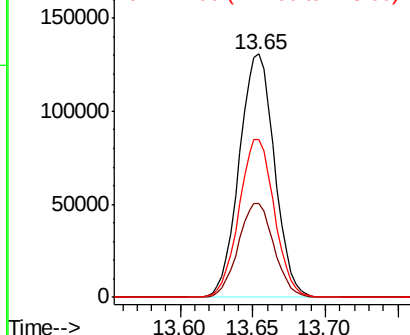
146 100

111 39.1 19.7 59.0

148 65.0 32.1 96.3



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: 15.74 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

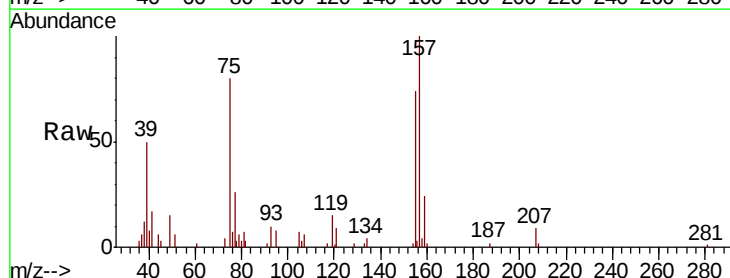
Tgt Ion: 75 Resp: 15033

Ion Ratio Lower Upper

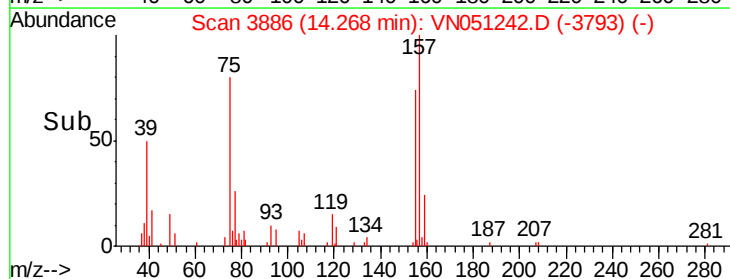
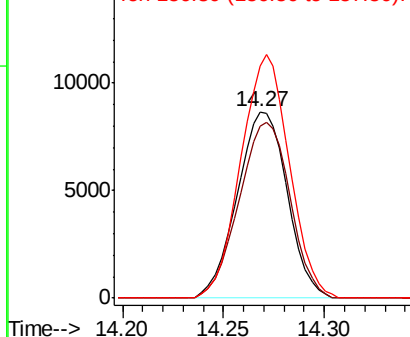
75 100

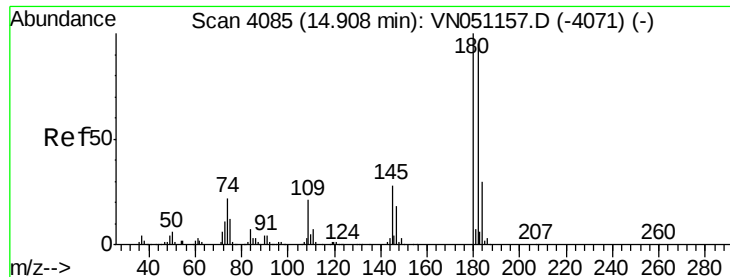
155 96.2 48.7 146.1

157 126.7 63.6 190.9



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

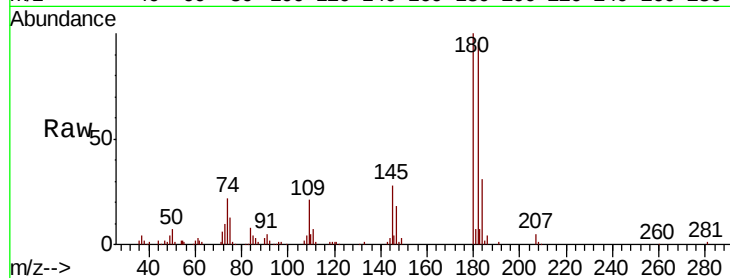




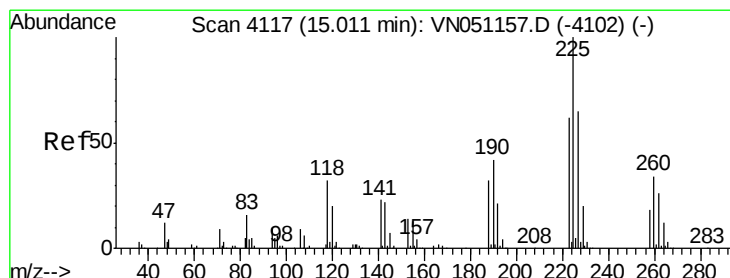
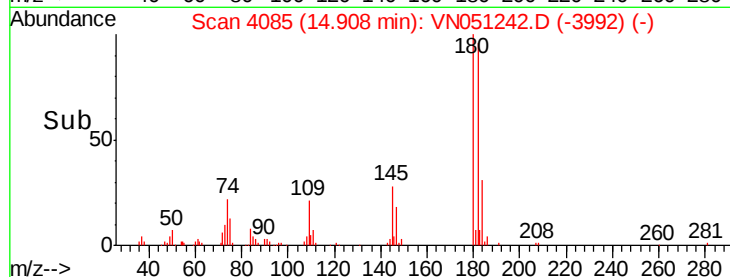
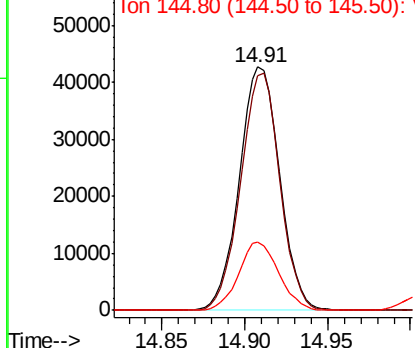
#93
 1,2,4-Trichlorobenzene
 Concen: 14.71 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	27.8	14.2	42.6

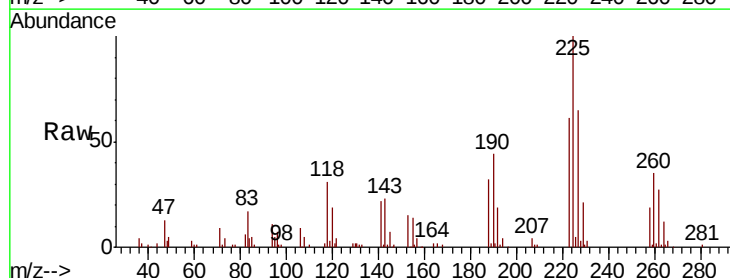


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

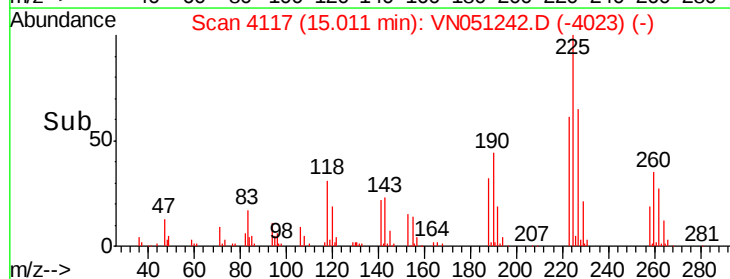
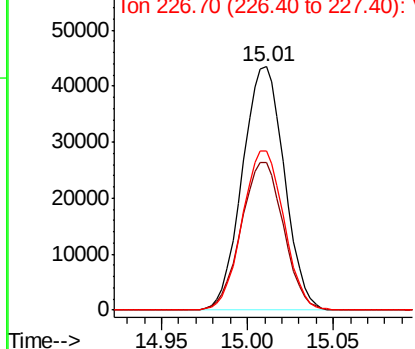


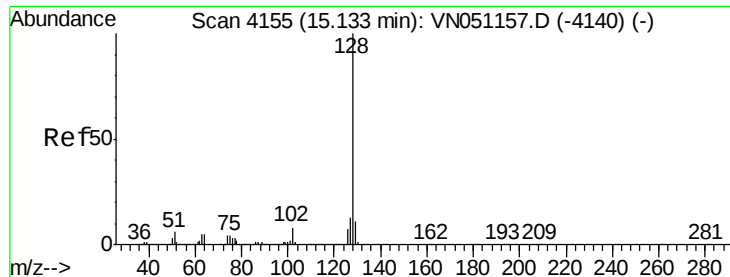
#94
 Hexachlorobutadiene
 Concen: 18.60 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051242.D
 Acq: 16 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.4	94.0
227	65.1	32.1	96.3



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: 13.94 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

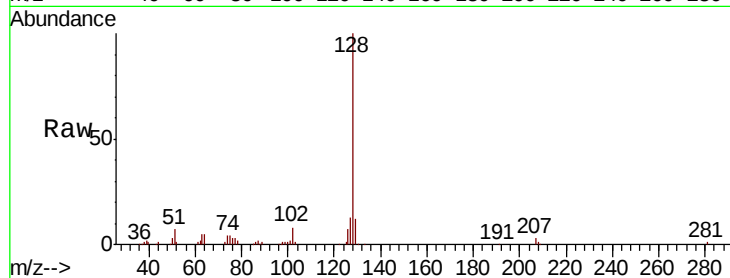
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 124236

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	8.6	12.8

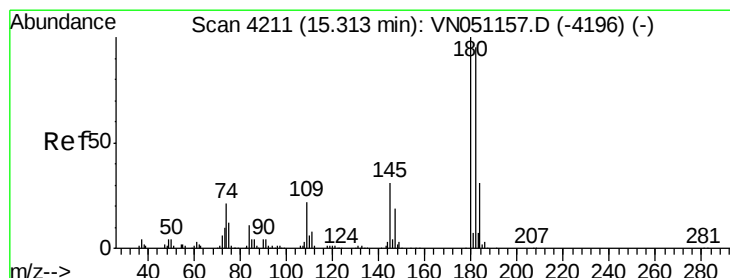
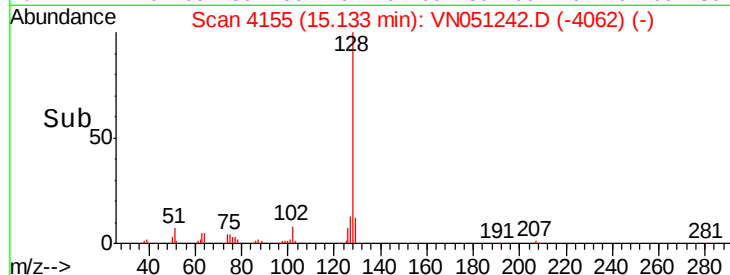
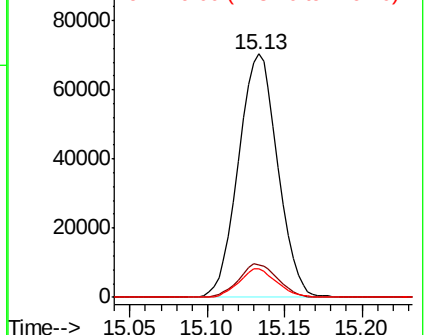


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.31 ug/l

RT: 15.31 min Scan# 4211

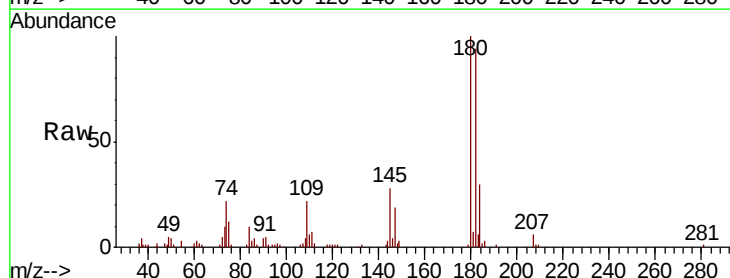
Delta R.T. 0.00 min

Lab File: VN051242.D

Acq: 16 Sep 2018 00:06

Tgt Ion:180 Resp: 77574

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	28.3	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

