

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050049.D
 Acq On : 25 Jul 2018 17:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 26 06:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	742187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	980238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	532702	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	502078	48.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	440615	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	
50) Toluene-d8	10.09	98	1659925	52.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	566270	54.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	548687	51.45	ug/l	99
3) Chloromethane	2.06	50	530793	45.79	ug/l	99
4) Vinyl Chloride	2.18	62	572345	46.89	ug/l	97
5) Bromomethane	2.55	94	348255	51.40	ug/l	99
6) Chloroethane	2.69	64	333632	45.51	ug/l	100
7) Trichlorofluoromethane	3.00	101	761752	48.17	ug/l	99
8) Diethyl Ether	3.41	74	258949	49.12	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	454959	47.84	ug/l	99
10) Methyl Iodide	3.95	142	606960	49.73	ug/l	99
11) Tert butyl alcohol	4.80	59	189894	249.23	ug/l	100
12) 1,1-Dichloroethene	3.73	96	411290	48.08	ug/l	98
13) Acrolein	3.61	56	114083	186.36	ug/l	96
14) Allyl chloride	4.32	41	653557	49.27	ug/l	99
15) Acrylonitrile	4.99	53	829127	249.42	ug/l	99
16) Acetone	3.82	43	633335	259.82	ug/l	99
17) Carbon Disulfide	4.05	76	1217077	46.44	ug/l	99
18) Methyl Acetate	4.33	43	495092	52.26	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1195098	52.43	ug/l	99
20) Methylene Chloride	4.55	84	465550	50.72	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	443855	48.97	ug/l	97
22) Diisopropyl ether	5.95	45	1393433	52.98	ug/l	98
23) Vinyl Acetate	5.90	43	4863870	261.70	ug/l	100
24) 1,1-Dichloroethane	5.85	63	822333	47.82	ug/l	99
25) 2-Butanone	6.84	43	1000178	253.22	ug/l	99
26) 2,2-Dichloropropane	6.83	77	656992	50.22	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	494933	50.72	ug/l	100
28) Bromochloromethane	7.19	49	389491	49.65	ug/l	100
29) Tetrahydrofuran	7.22	42	660079	258.62	ug/l	100
30) Chloroform	7.37	83	846429	48.23	ug/l	100
31) Cyclohexane	7.65	56	701547	49.19	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	721866	48.09	ug/l	100
36) 1,1-Dichloropropene	7.79	75	636773	53.80	ug/l	100
37) Ethyl Acetate	6.93	43	430133	52.12	ug/l	99
38) Carbon Tetrachloride	7.77	117	651494	51.88	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	687099	56.43	ug/l	99
40) Benzene	8.04	78	1894506	52.60	ug/l	100
41) Methacrylonitrile	7.18	41	194242	45.46	ug/l	97
42) 1,2-Dichloroethane	8.13	62	621334	51.71	ug/l	100
43) Isopropyl Acetate	8.17	43	792391	50.98	ug/l	98
44) Trichloroethene	8.84	130	497612	51.42	ug/l	98
45) 1,2-Dichloropropane	9.12	63	496280	52.02	ug/l	97
46) Dibromomethane	9.21	93	309833	52.31	ug/l	99
47) Bromodichloromethane	9.40	83	646759	51.73	ug/l	98
48) Methyl methacrylate	9.20	41	391409	55.07	ug/l	98
49) 1,4-Dioxane	9.20	88	110001	1137.34	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2247467	277.05	ug/l	100
52) Toluene	10.16	92	1178858	55.45	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	654146	55.45	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	739365	54.84	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	442852	52.52	ug/l	99
56) Ethyl methacrylate	10.43	69	583002	50.99	ug/l	100
57) 1,3-Dichloropropane	10.71	76	737062	53.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1336832	250.47	ug/l	100
59) 2-Hexanone	10.75	43	1537506	257.77	ug/l	99
60) Dibromochloromethane	10.90	129	509963	54.62	ug/l	100
61) 1,2-Dibromoethane	11.01	107	442164	52.85	ug/l	98
64) Tetrachloroethene	10.63	164	482346	51.18	ug/l	99
65) Chlorobenzene	11.44	112	1265801	51.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	486394	51.13	ug/l	100
67) Ethyl Benzene	11.51	91	2214164	55.67	ug/l	100
68) m/p-Xylenes	11.62	106	1716967	114.13	ug/l	100
69) o-Xylene	11.95	106	818233	57.05	ug/l	99
70) Styrene	11.97	104	1334677	52.28	ug/l	99
71) Bromoform	12.13	173	362798	52.42	ug/l	# 100
73) Isopropylbenzene	12.25	105	2186010	52.91	ug/l	100
74) N-amyl acetate	12.07	43	659060	52.20	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	582131	52.86	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	722245	72.95	ug/l	# 100
77) Bromobenzene	12.53	156	563592	49.22	ug/l	99
78) n-propylbenzene	12.59	91	2536581	54.93	ug/l	100
79) 2-Chlorotoluene	12.68	91	1497426	52.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1816949	55.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167151	53.55	ug/l	99
82) 4-Chlorotoluene	12.78	91	1528386	53.92	ug/l	100
83) tert-Butylbenzene	13.00	119	1549652	54.64	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1870537	57.11	ug/l	99
85) sec-Butylbenzene	13.17	105	2100843	55.44	ug/l	100
86) p-Isopropyltoluene	13.29	119	1851228	57.98	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	999161	51.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	979478	51.77	ug/l	100
89) n-Butylbenzene	13.62	91	1530276	58.28	ug/l	100
90) Hexachloroethane	13.88	117	337344	47.58	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	980154	50.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93616	50.87	ug/l	98

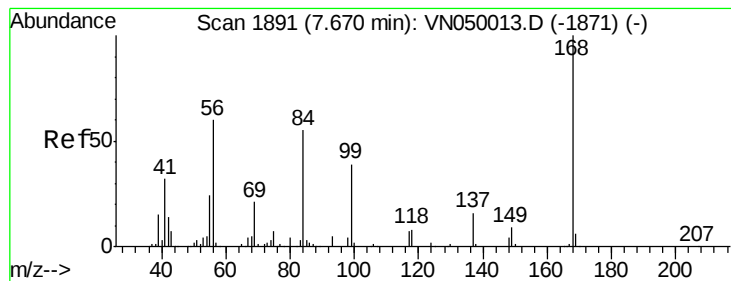
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	510944	49.67	ug/l	98
94) Hexachlorobutadiene	15.01	225	313975	52.86	ug/l	99
95) Naphthalene	15.14	128	1133201	46.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	507219	50.58	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

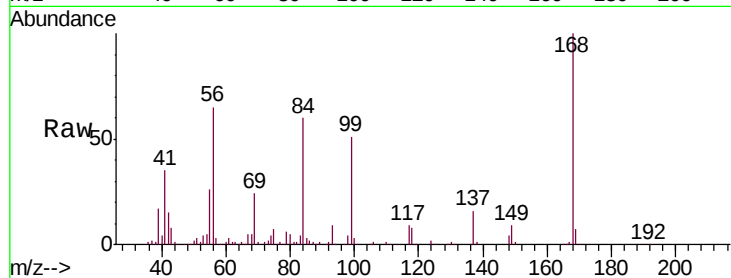
VSTDCCC050

Tot Ion:168 Resp: 742187

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

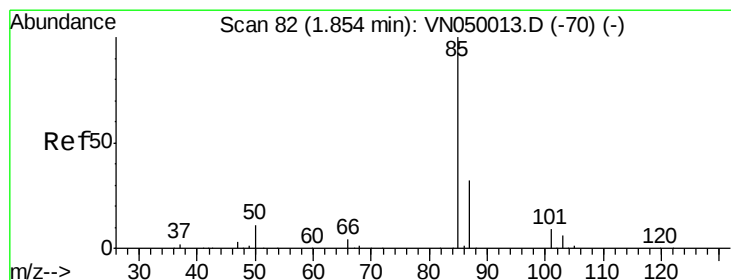
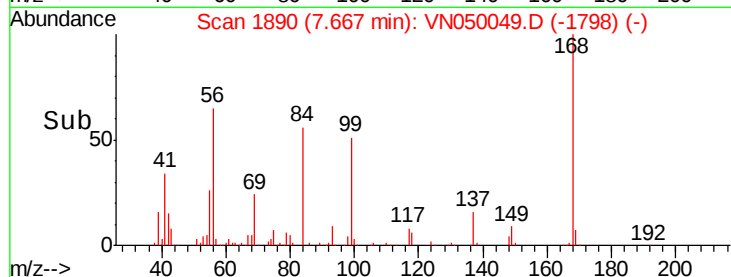
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.45 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050049.D

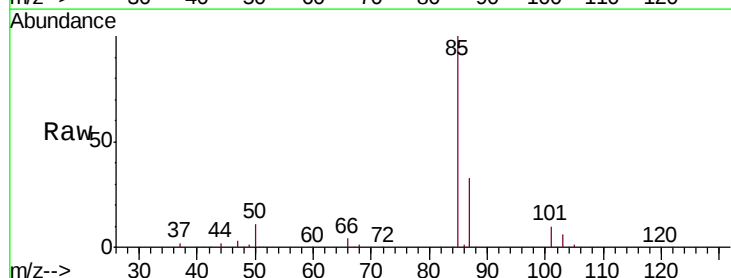
Acq: 25 Jul 2018 17:41

Tgt Ion: 85 Resp: 548687

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

400000

300000

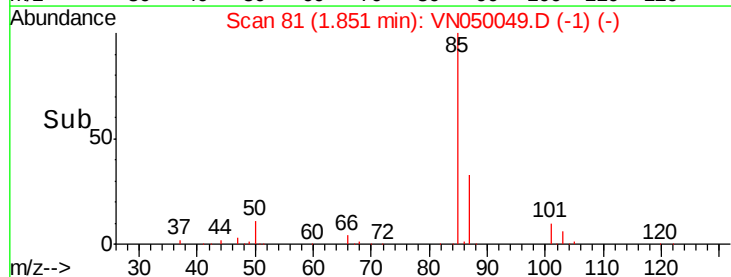
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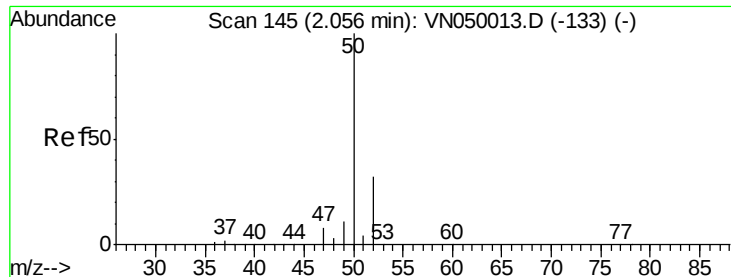
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

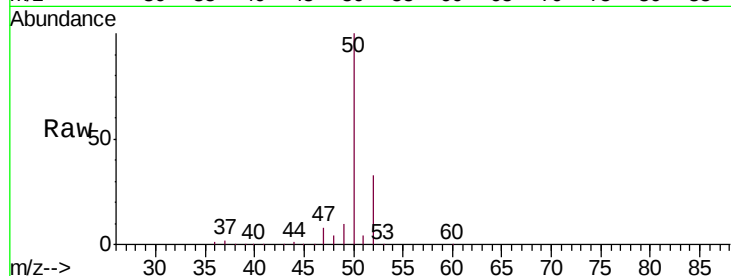
VSTDCCC050

Tot Ion: 50 Resp: 530793

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050013.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050013.D (-133) (-)

2.06

400000

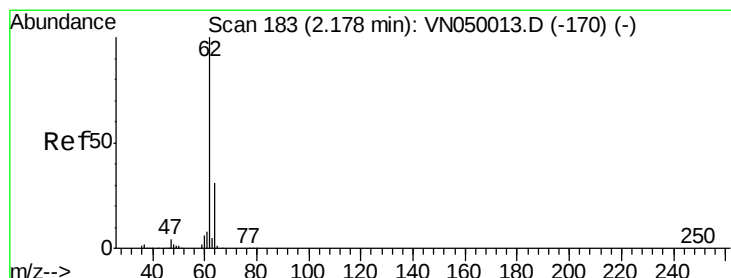
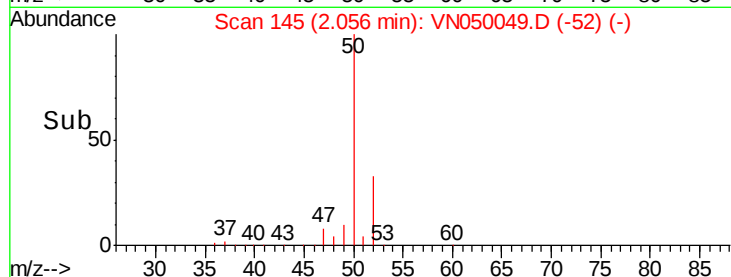
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 46.89 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050049.D

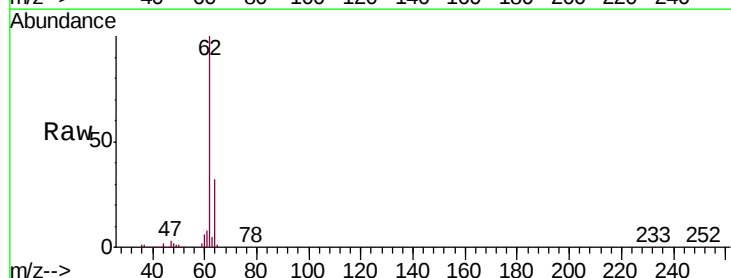
Acq: 25 Jul 2018 17:41

Tgt Ion: 62 Resp: 572345

Ion Ratio Lower Upper

62 100

64 32.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050013.D (-170) (-)

Ion 63.90 (63.60 to 64.60): VN050013.D (-170) (-)

2.18

400000

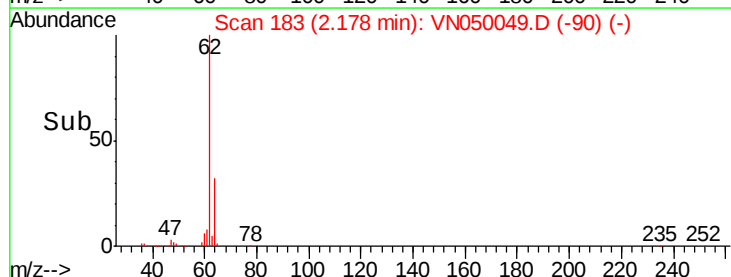
300000

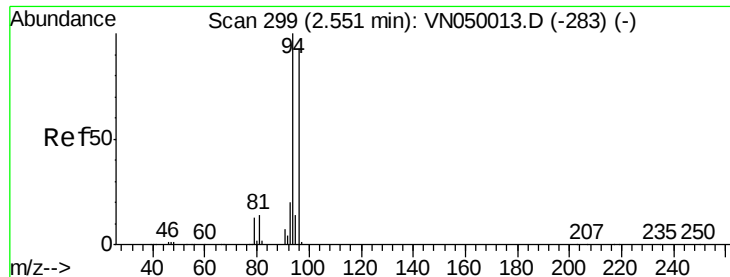
200000

100000

0

Time-->





#5

Bromomethane

Concen: 51.40 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

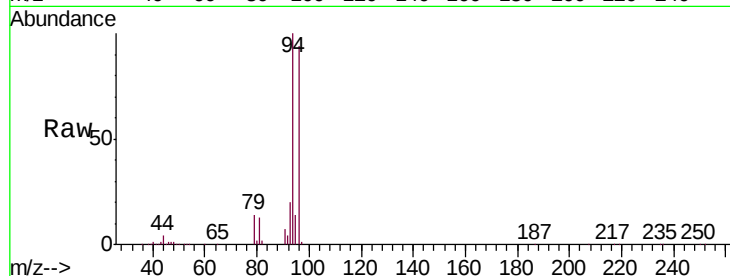
VSTDCCC050

Tot Ion: 94 Resp: 348255

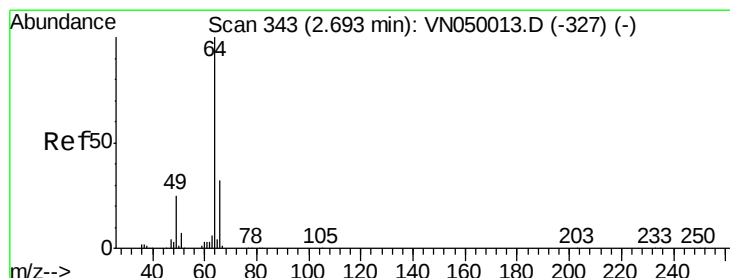
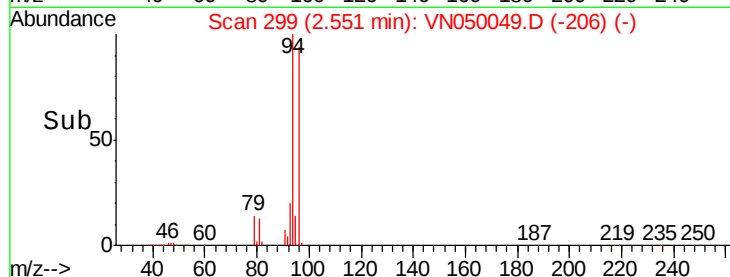
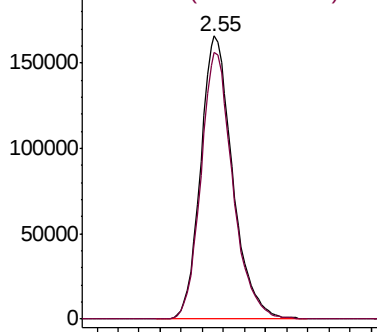
Ion Ratio Lower Upper

94 100

96 94.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.51 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050049.D

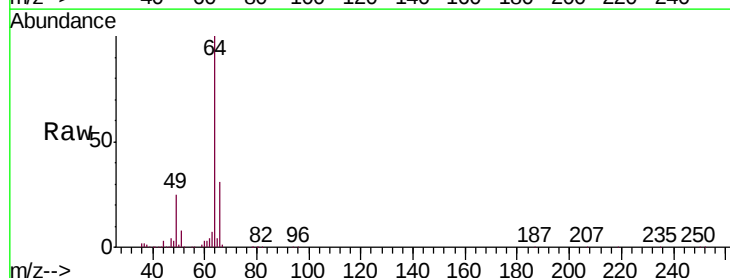
Acq: 25 Jul 2018 17:41

Tgt Ion: 64 Resp: 333632

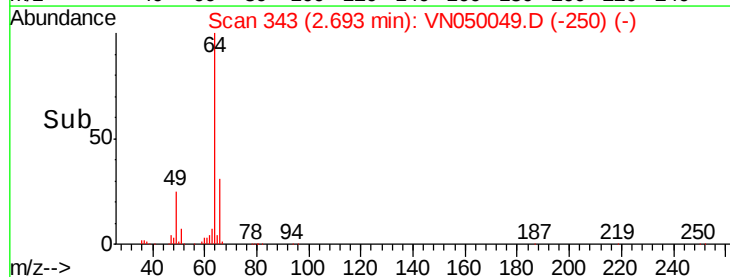
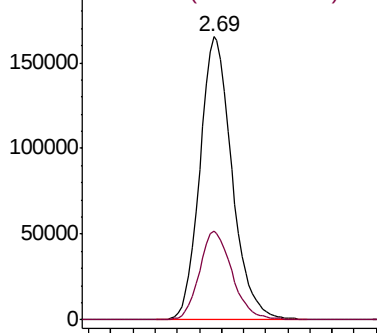
Ion Ratio Lower Upper

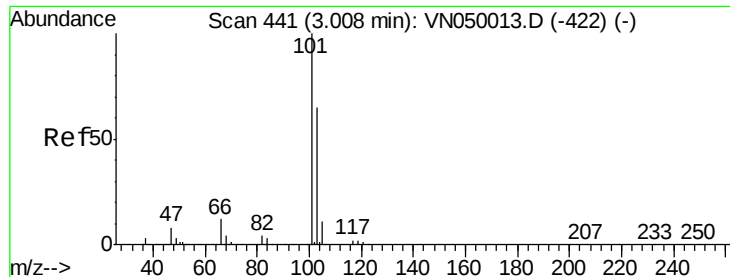
64 100

66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 48.17 ug/l

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN050049.D

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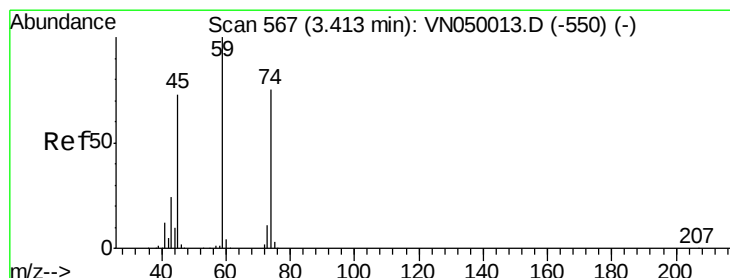
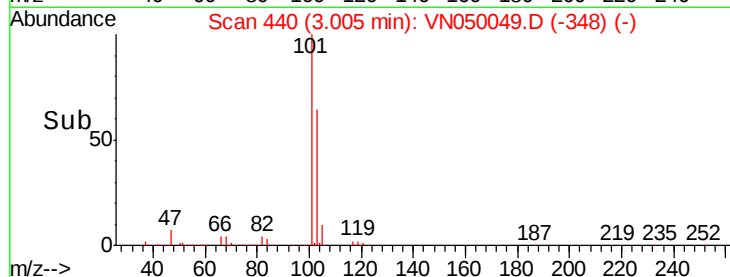
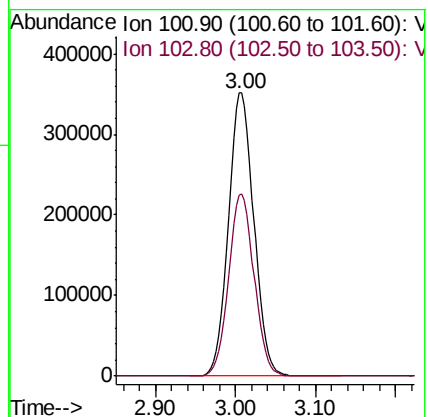
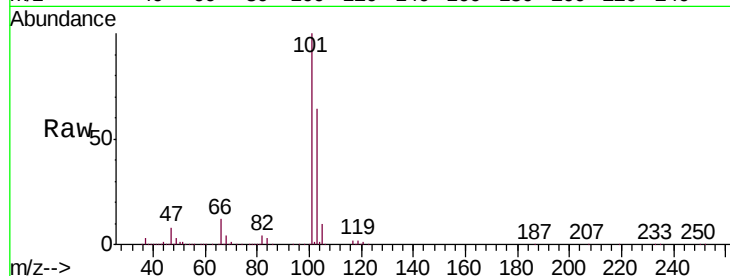
VSTDCCC050

Tot Ion:101 Resp: 761752

Ion Ratio Lower Upper

101 100

103 64.0 51.7 77.5



#8

Diethyl Ether

Concen: 49.12 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050049.D

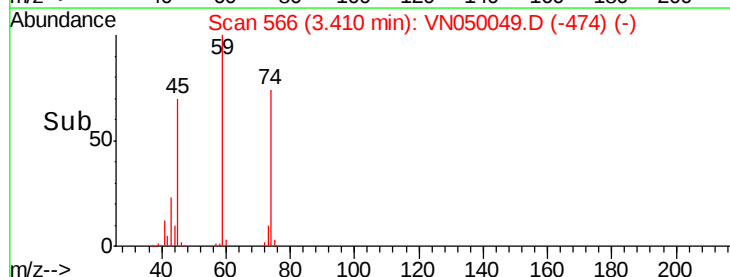
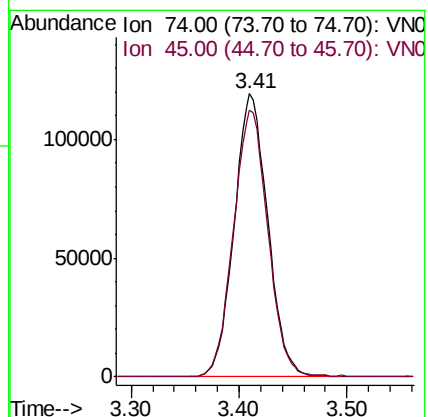
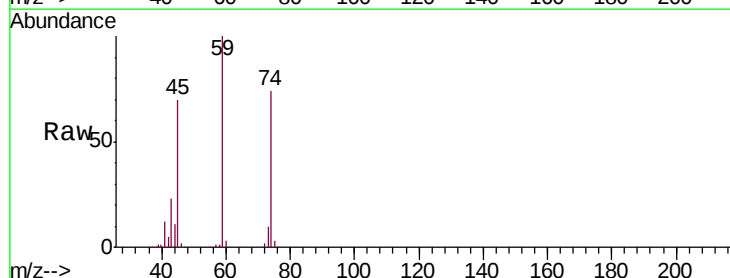
Acq: 25 Jul 2018 17:41

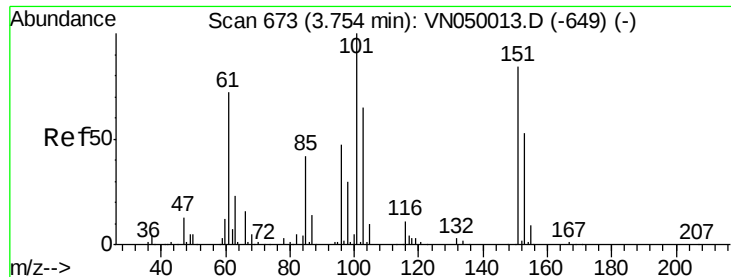
Tgt Ion: 74 Resp: 258949

Ion Ratio Lower Upper

74 100

45 96.6 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.84 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

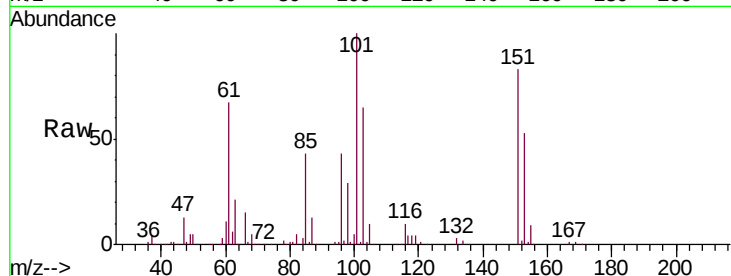
Tot Ion:101 Resp: 454959

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.2

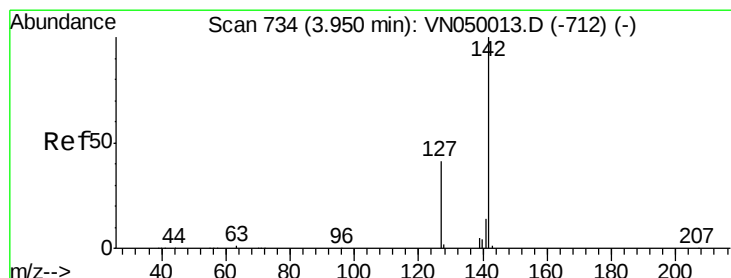
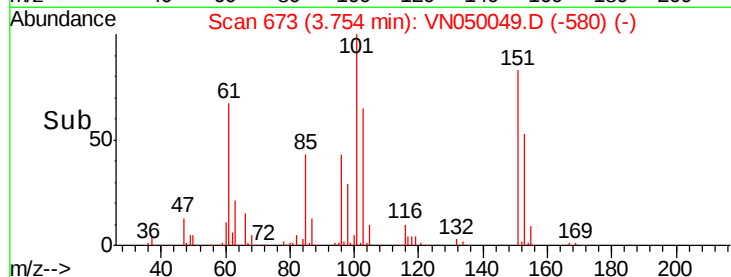
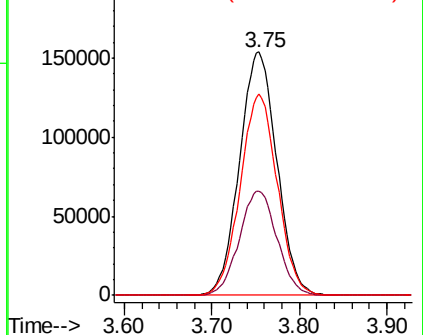
151 82.2 66.3 99.5



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: 49.73 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

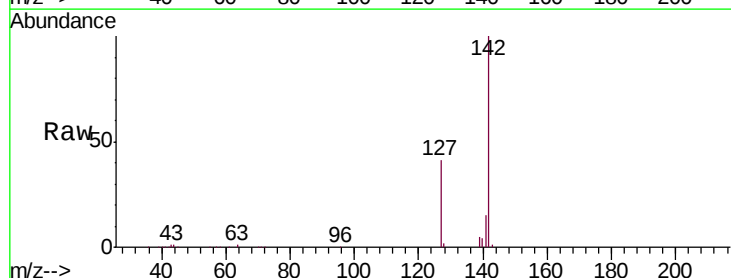
Tgt Ion:142 Resp: 606960

Ion Ratio Lower Upper

142 100

127 41.2 33.4 50.2

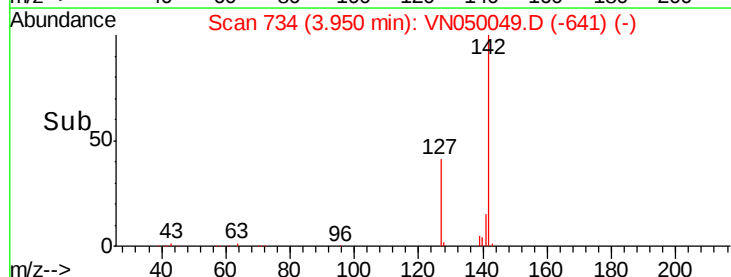
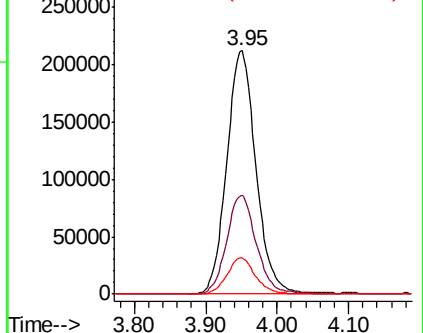
141 14.4 11.6 17.4

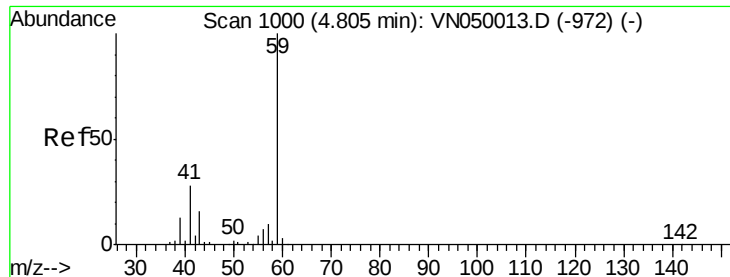


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

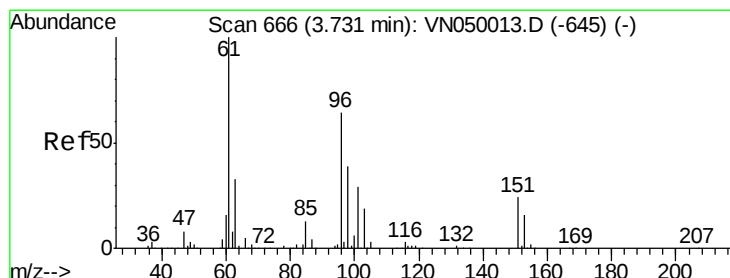
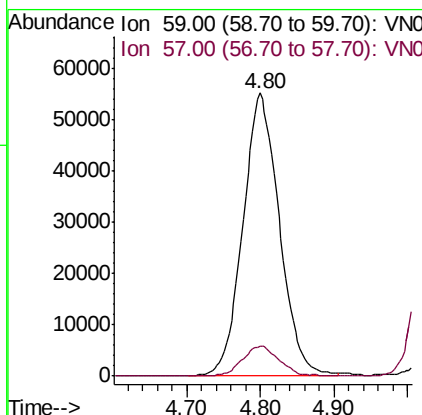
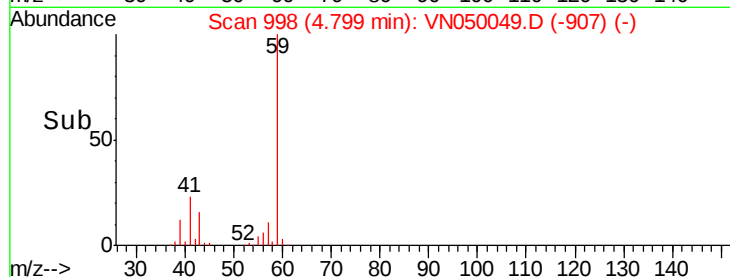
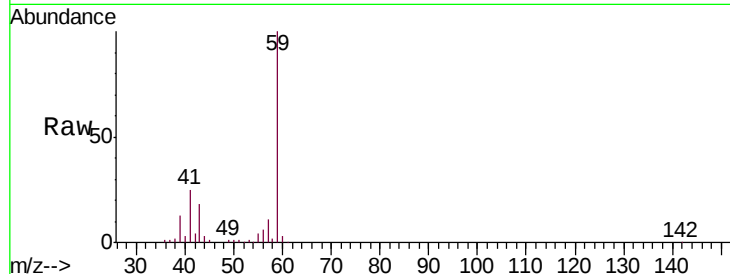




#11
Tert butyl alcohol
Concen: 249.23 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

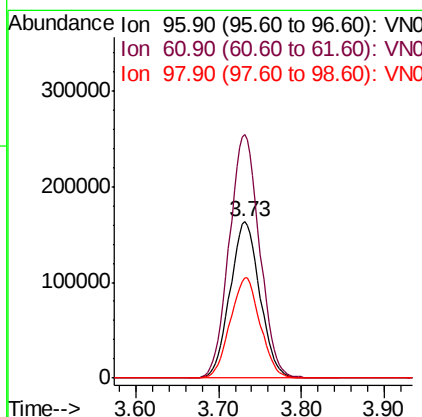
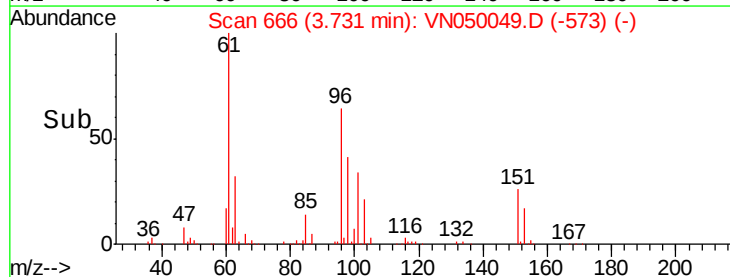
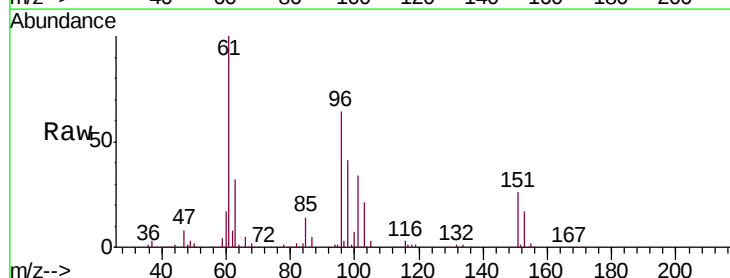
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

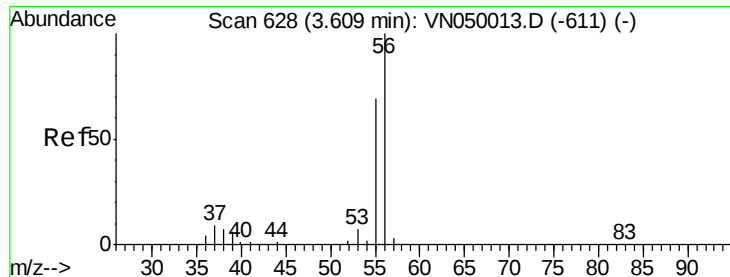
Tot Ion: 59 Resp: 189894
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 48.08 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 96 Resp: 411290
Ion Ratio Lower Upper
96 100
61 155.7 124.4 186.6
98 64.2 48.3 72.5

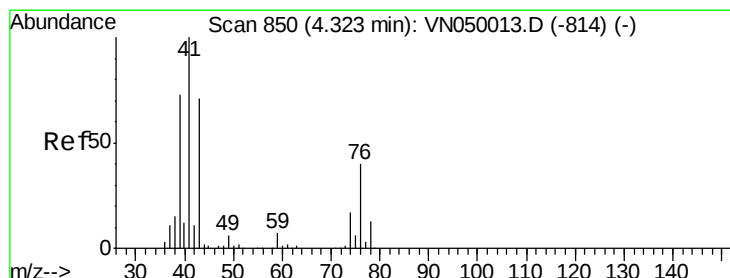
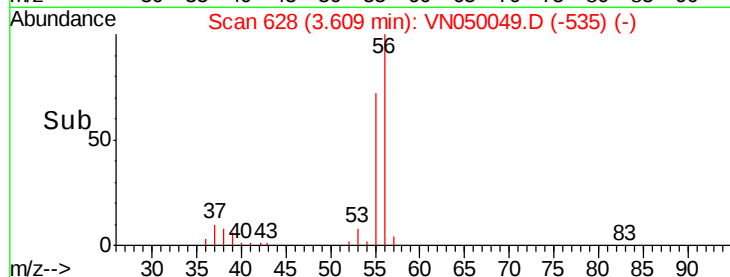
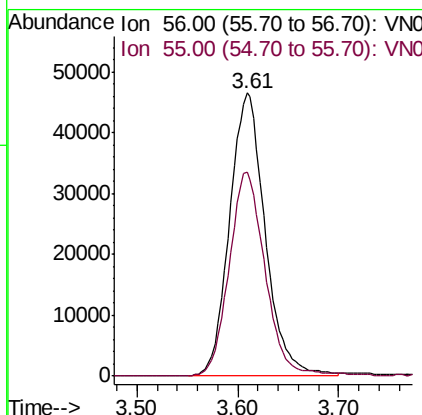
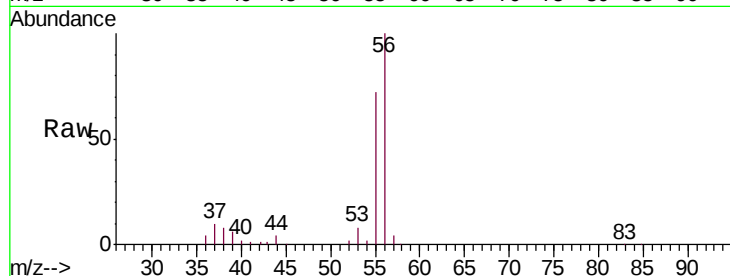




#13
 Acrolein
 Concen: 186.36 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

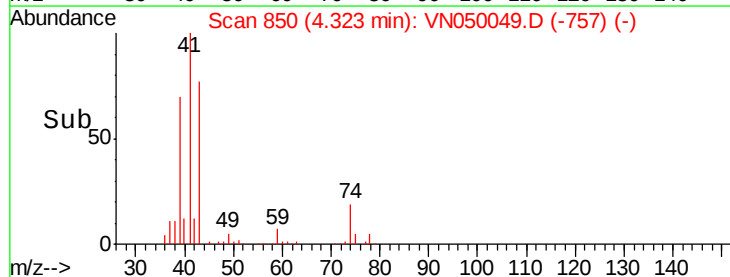
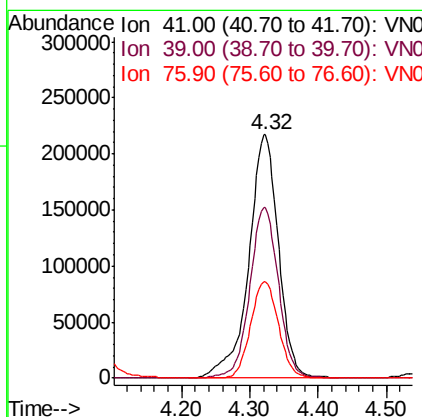
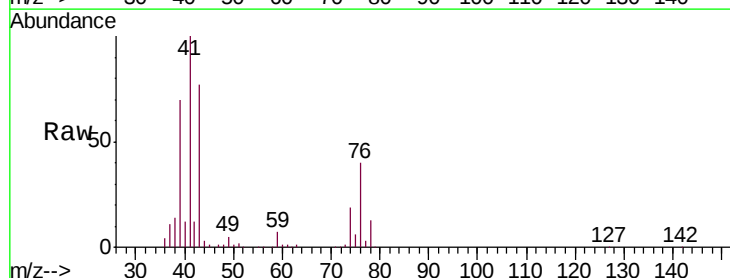
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

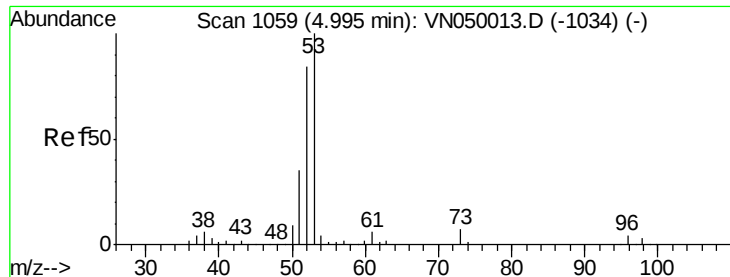
Tot Ion: 56 Resp: 114083
 Ion Ratio Lower Upper
 56 100
 55 73.0 55.8 83.6



#14
 Allyl chloride
 Concen: 49.27 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 41 Resp: 653557
 Ion Ratio Lower Upper
 41 100
 39 68.1 54.2 81.4
 76 36.9 29.0 43.6





#15

Acrylonitrile

Concen: 249.42 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

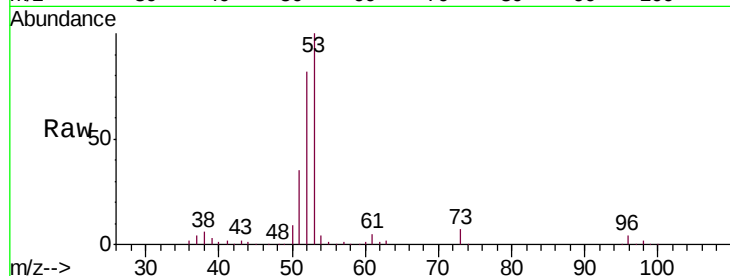
Tot Ion: 53 Resp: 829127

Ion Ratio Lower Upper

53 100

52 81.5 66.2 99.2

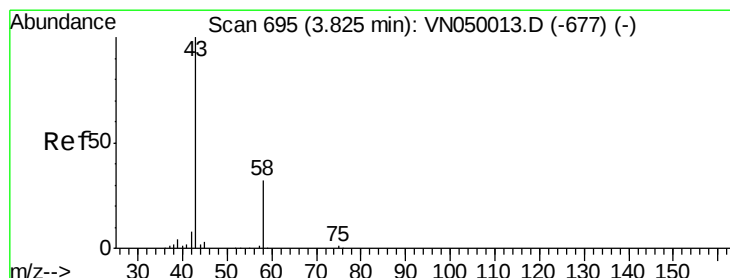
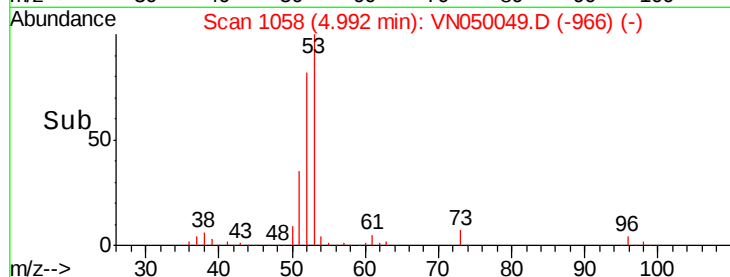
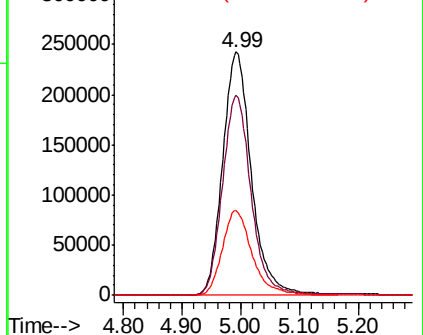
51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 259.82 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050049.D

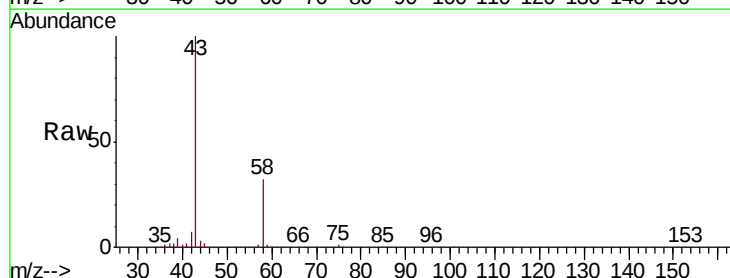
Acq: 25 Jul 2018 17:41

Tgt Ion: 43 Resp: 633335

Ion Ratio Lower Upper

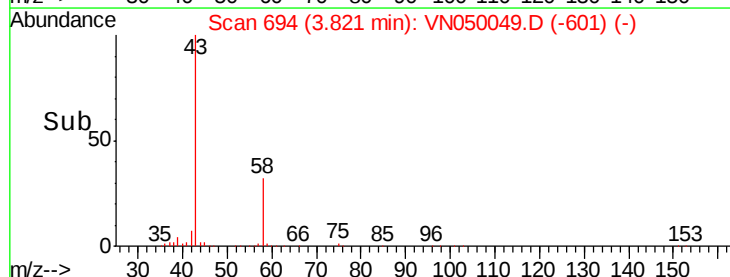
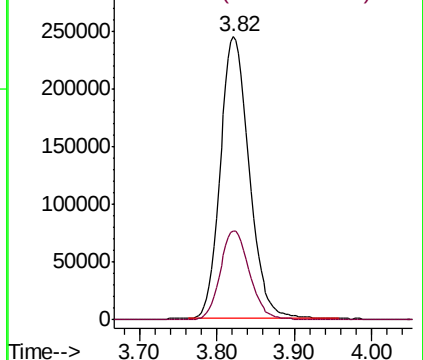
43 100

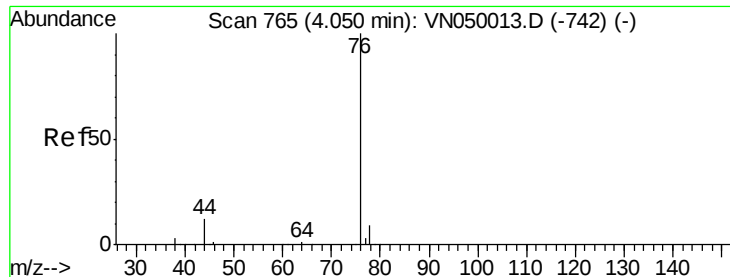
58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

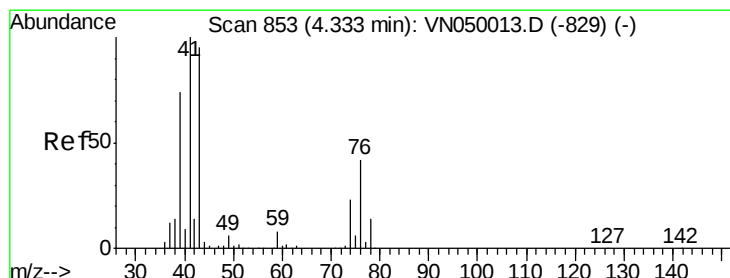
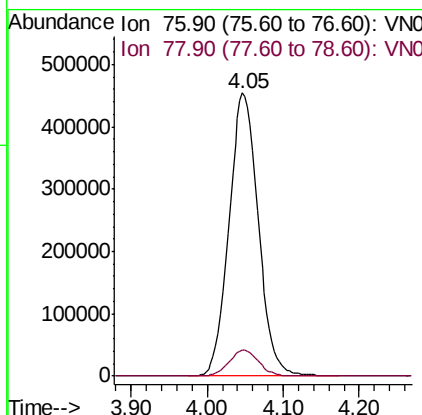
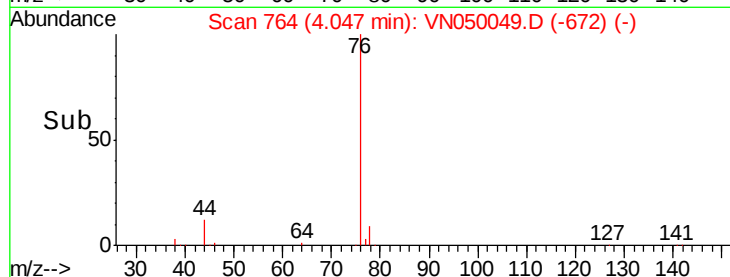
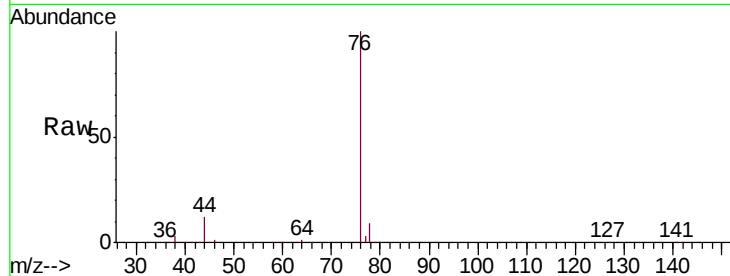




#17
Carbon Disulfide
Concen: 46.44 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

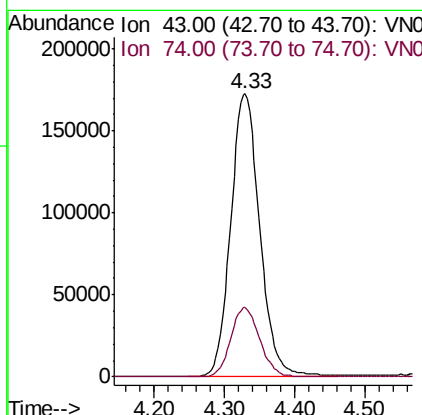
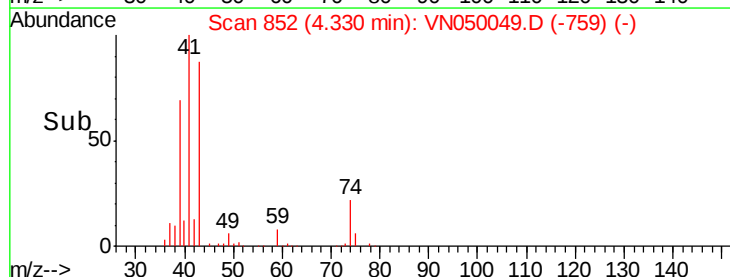
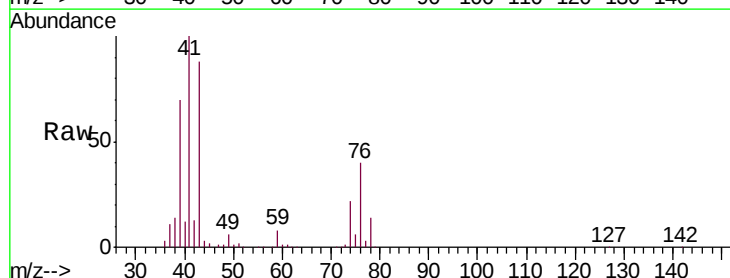
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

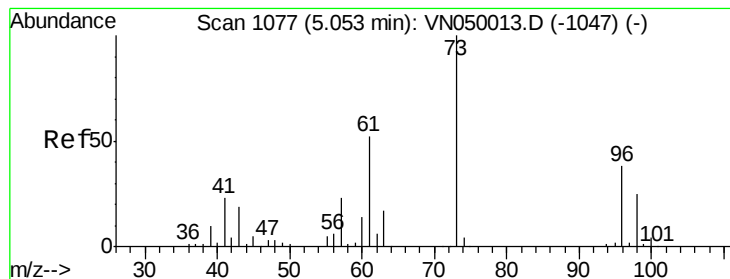
Tot Ion: 76 Resp: 1217077
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 52.26 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 43 Resp: 495092
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8



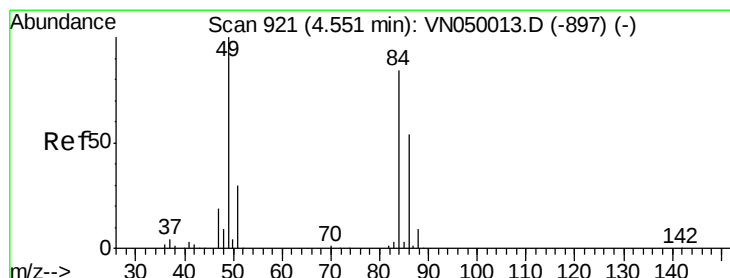
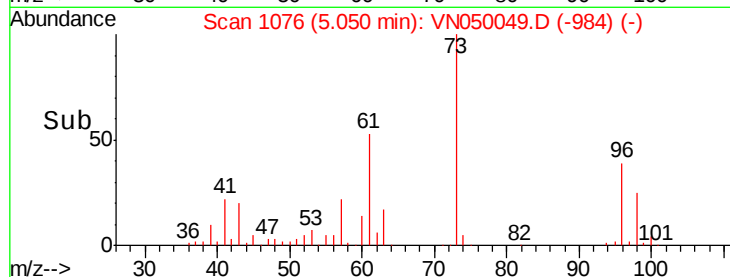
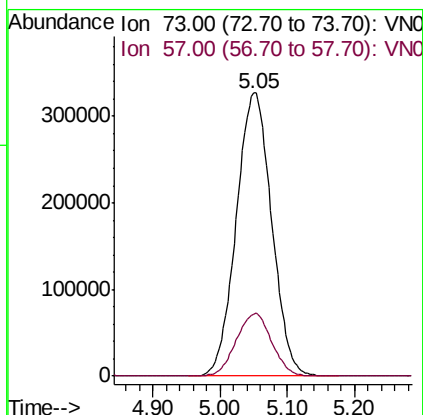
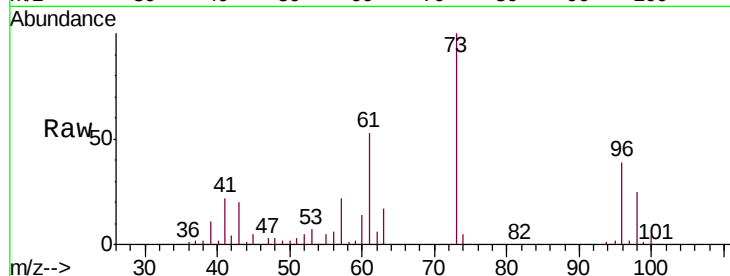


#19

Methyl tert-butyl Ether
 Concen: 52.43 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

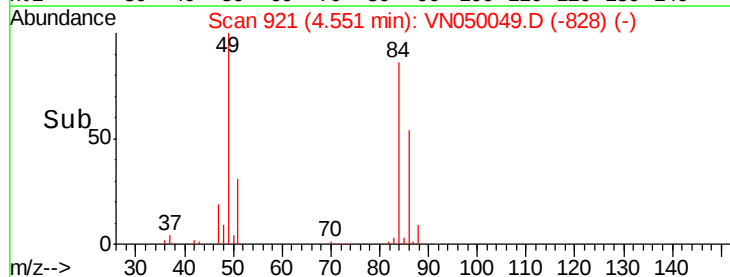
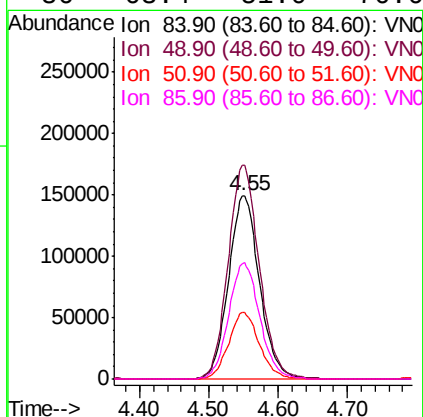
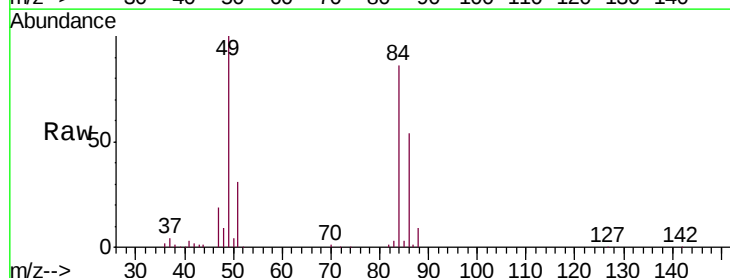
Tot Ion: 73 Resp: 1195098
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.0 27.0

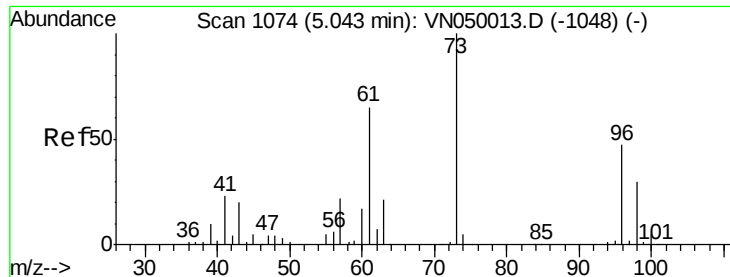


#20

Methylene Chloride
 Concen: 50.72 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 84 Resp: 465550
 Ion Ratio Lower Upper
 84 100
 49 116.5 94.8 142.2
 51 36.2 28.3 42.5
 86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.97 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

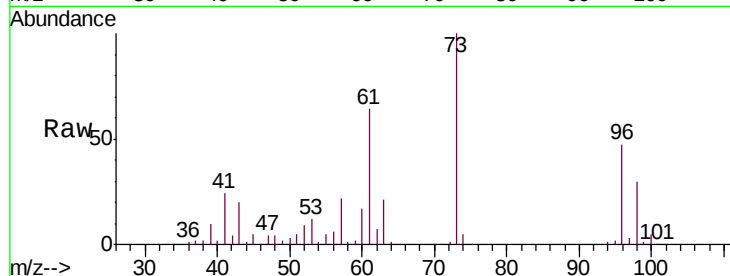
Tot Ion: 96 Resp: 443855

Ion Ratio Lower Upper

96 100

61 134.9 110.7 166.1

98 62.7 51.6 77.4

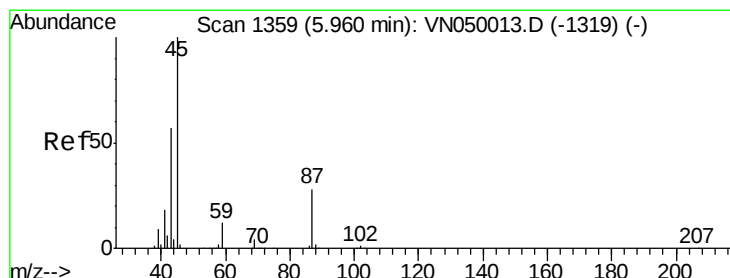
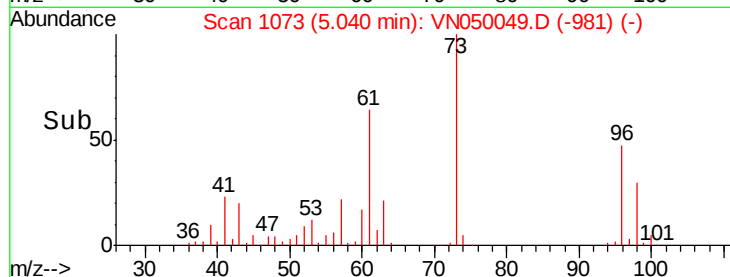
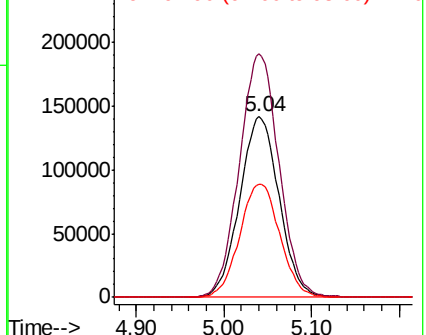


Abundance

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



#22

Diisopropyl ether

Concen: 52.98 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion: 45 Resp: 1393433

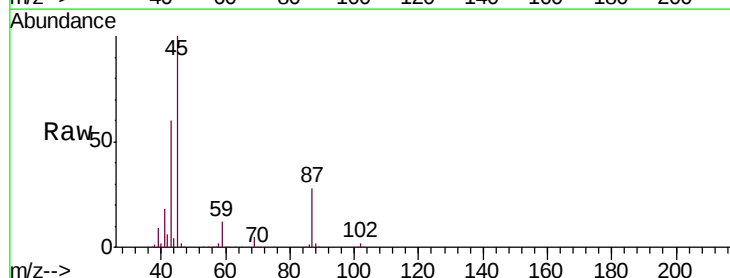
Ion Ratio Lower Upper

45 100

43 58.9 45.7 68.5

87 28.2 22.7 34.1

59 12.0 9.5 14.3



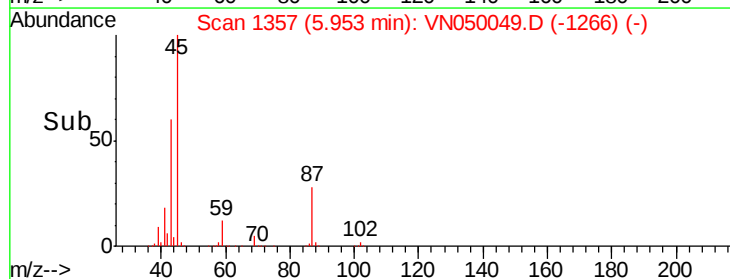
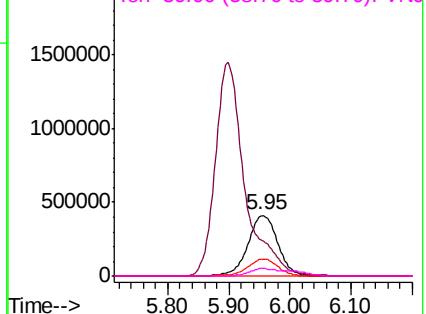
Abundance

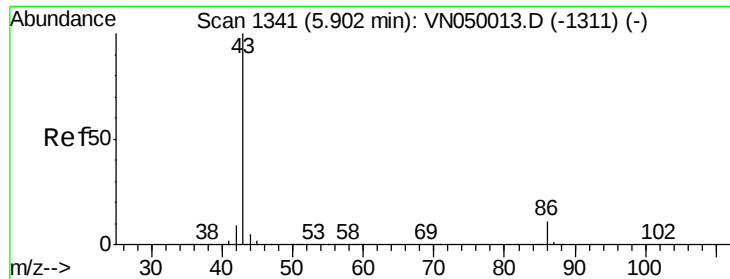
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 261.70 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

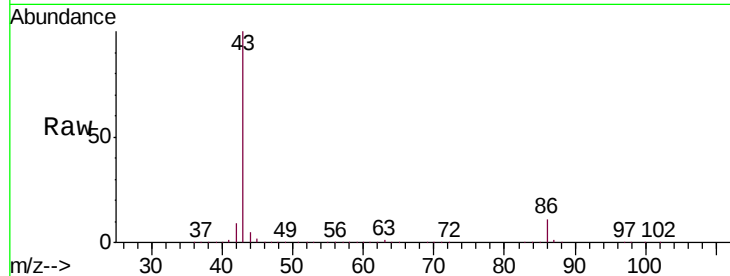
VSTDCCC050

Tot Ion: 43 Resp: 4863870

Ion Ratio Lower Upper

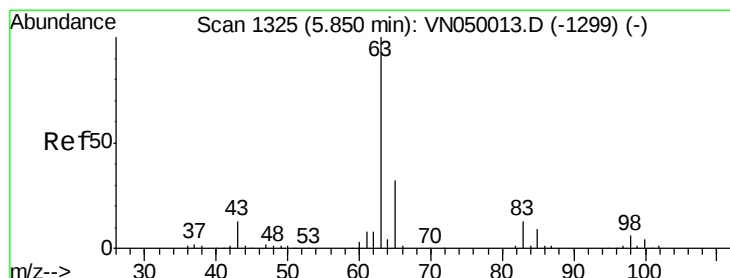
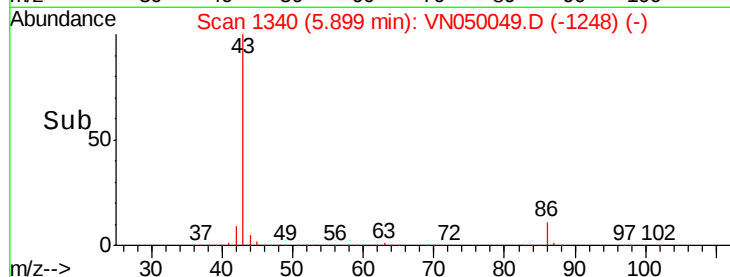
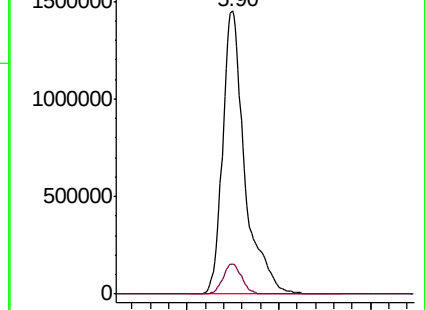
43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN050013.D (-1311) (-)



#24

1,1-Dichloroethane

Concen: 47.82 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

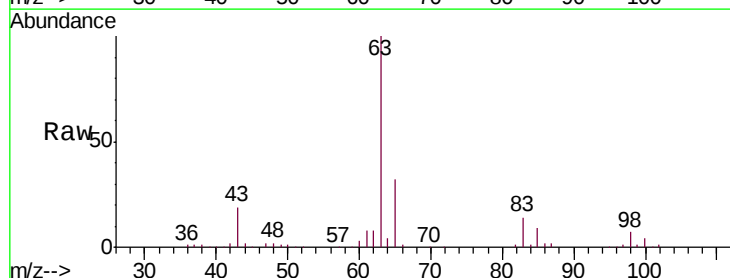
Tgt Ion: 63 Resp: 822333

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

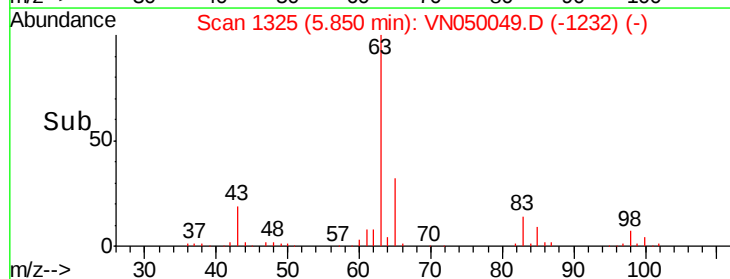
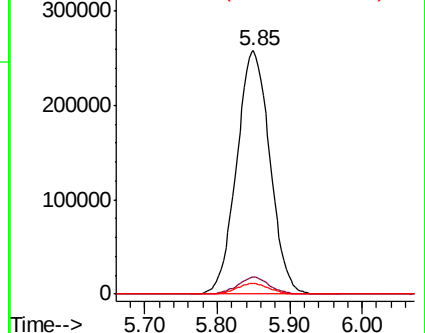
100 4.4 2.1 6.3

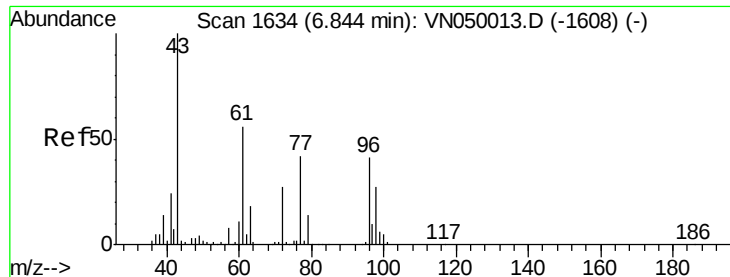


Abundance Ion 62.90 (62.60 to 63.60): VN050013.D (-1299) (-)

Ion 97.90 (97.60 to 98.60): VN050013.D (-1299) (-)

Ion 99.90 (99.60 to 100.60): VN050013.D (-1299) (-)





#25

2-Butanone

Concen: 253.22 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

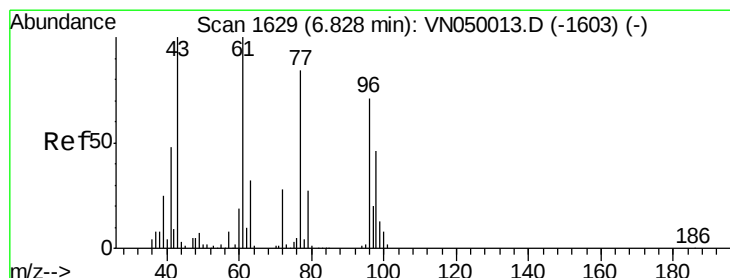
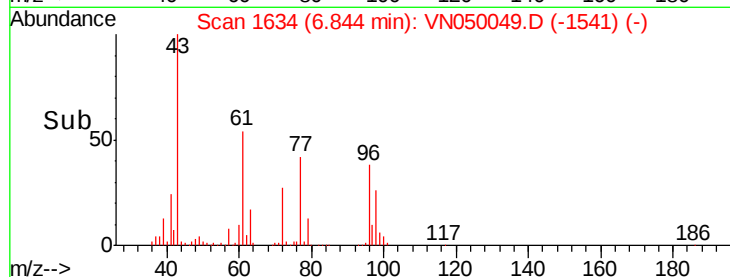
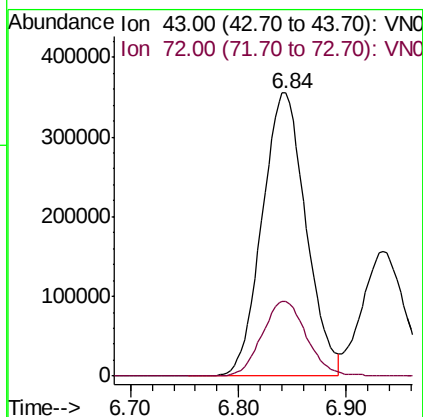
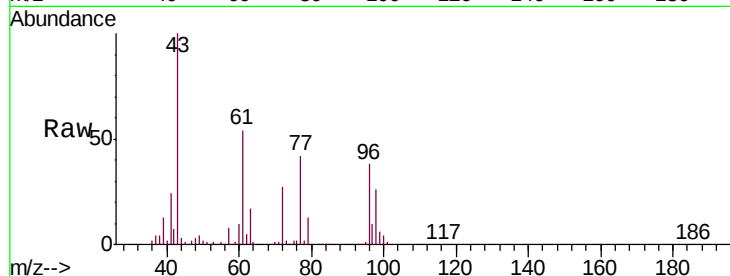
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1000178

Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3



#26

2,2-Dichloropropane

Concen: 50.22 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050049.D

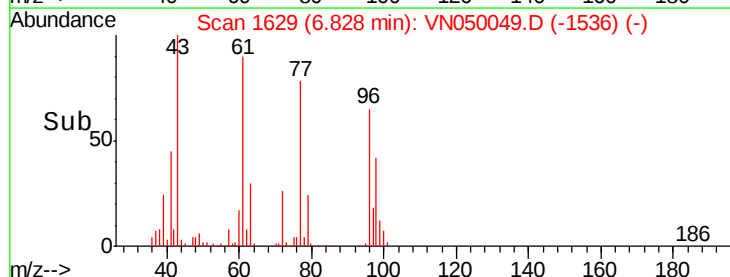
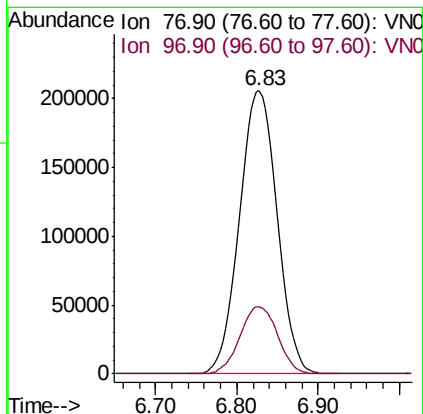
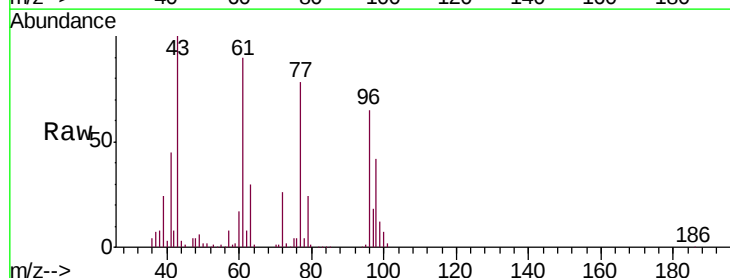
Acq: 25 Jul 2018 17:41

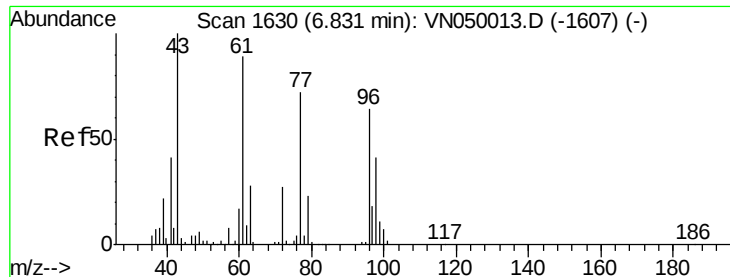
Tgt Ion: 77 Resp: 656992

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.72 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

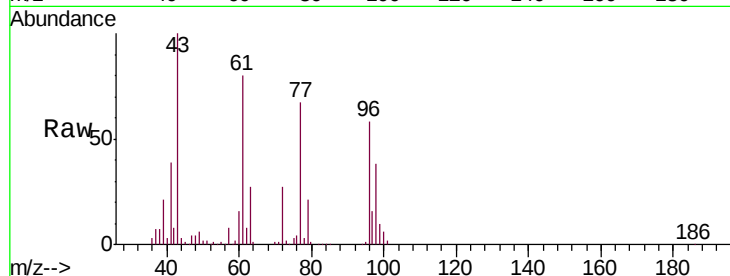
Tot Ion: 96 Resp: 494933

Ion Ratio Lower Upper

96 100

61 142.6 0.0 285.0

98 65.5 0.0 129.2

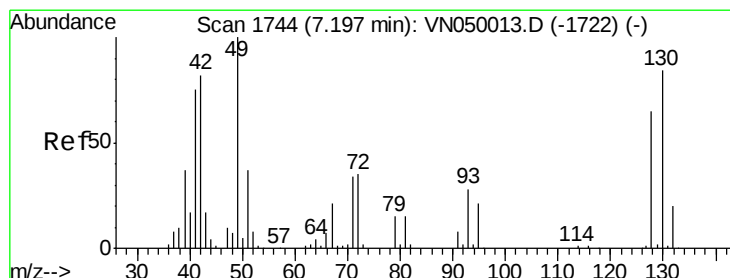
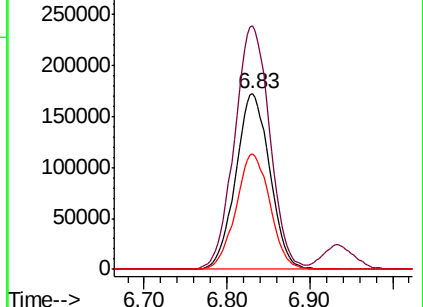
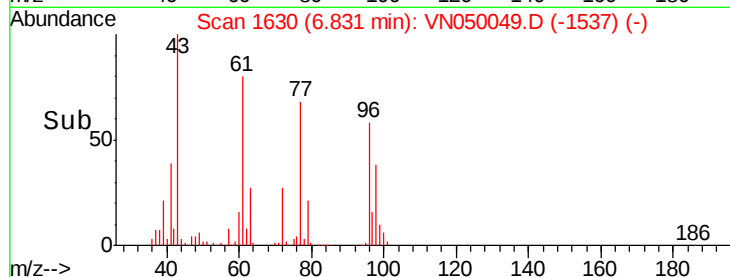


Abundance Ion 95.90 (95.60 to 96.60): VN050049.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN050049.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN050049.D (-1537) (-)

Time-->



#28

Bromochloromethane

Concen: 49.65 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

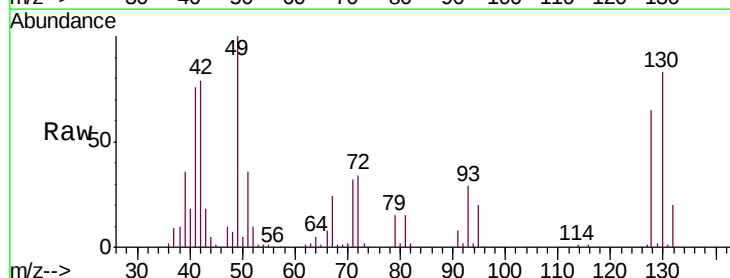
Tgt Ion: 49 Resp: 389491

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 83.2 66.3 99.5

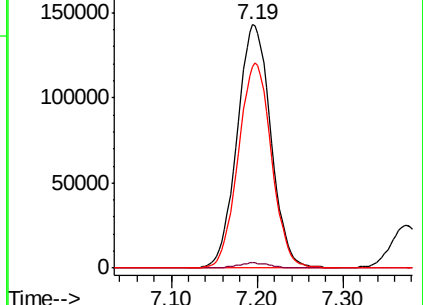
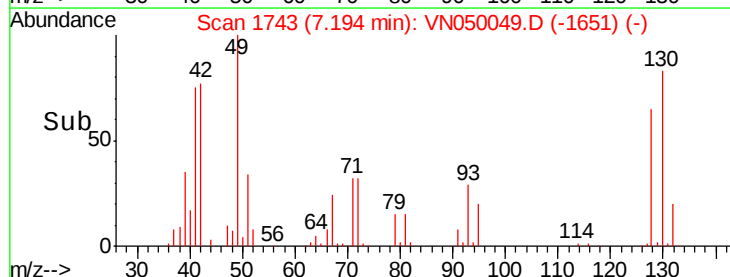


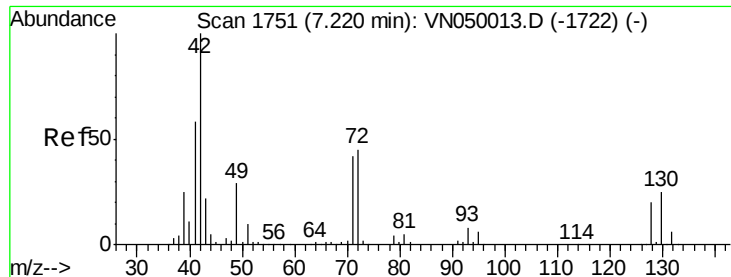
Abundance Ion 48.90 (48.60 to 49.60): VN050049.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050049.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050049.D (-1651) (-)

Time-->

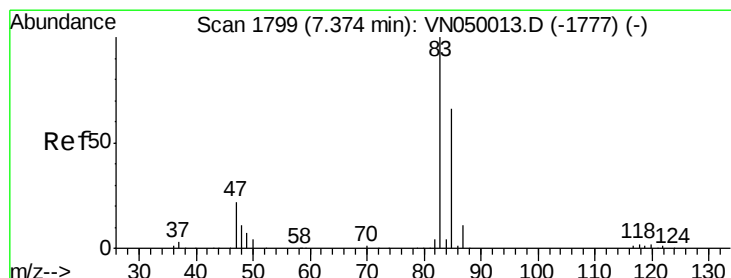
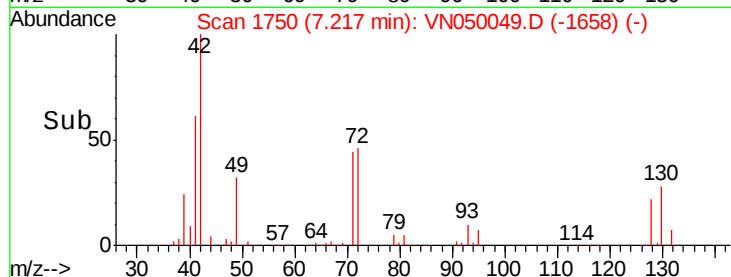
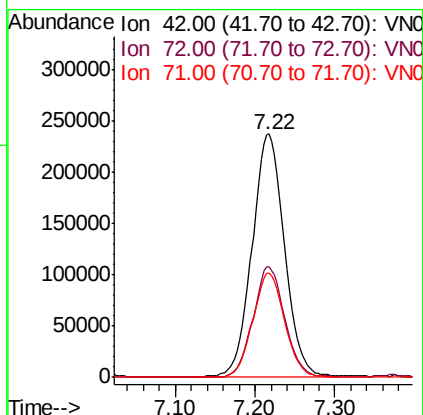
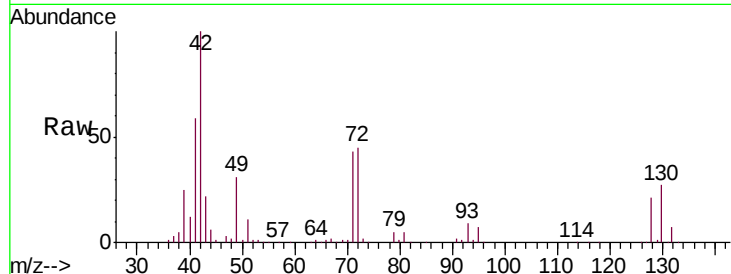




#29
Tetrahydrofuran
Concen: 258.62 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

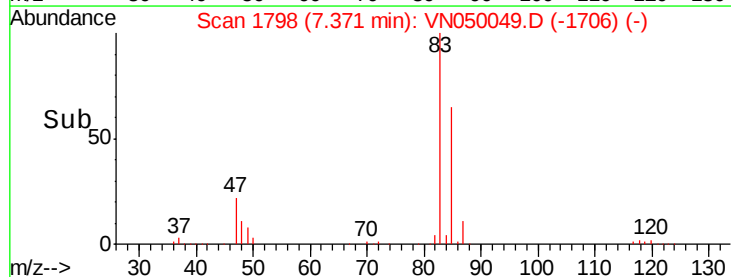
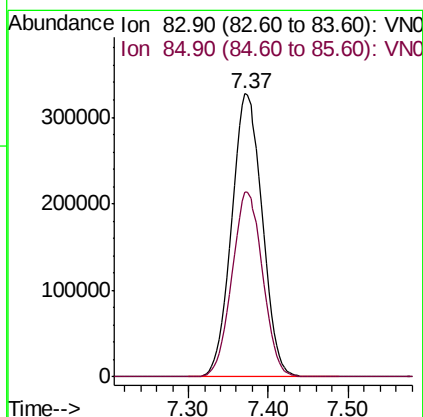
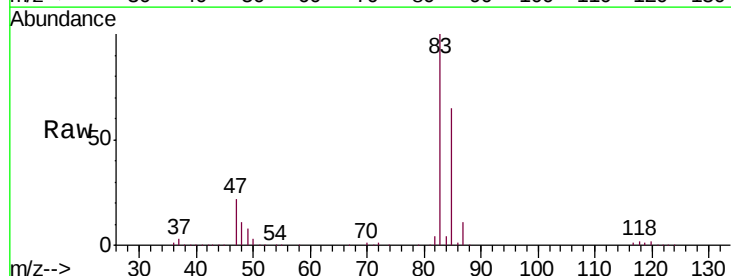
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

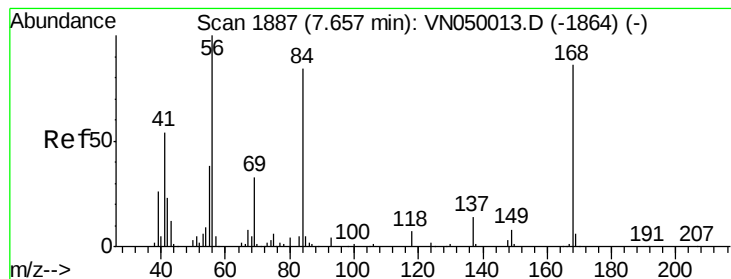
Tot Ion: 42 Resp: 660079
Ion Ratio Lower Upper
42 100
72 44.6 35.9 53.9
71 42.2 33.7 50.5



#30
Chloroform
Concen: 48.23 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 83 Resp: 846429
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 49.19 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

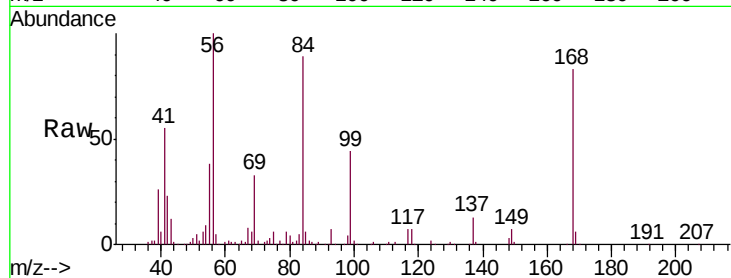
Tot Ion: 56 Resp: 701547

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.4

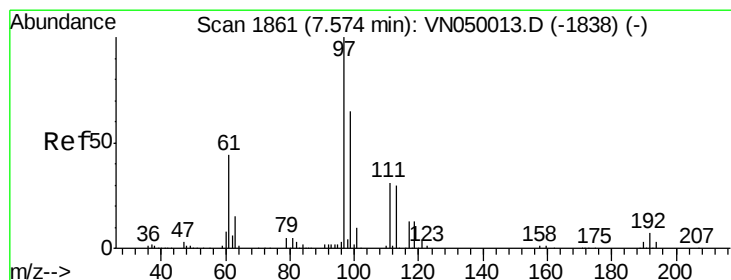
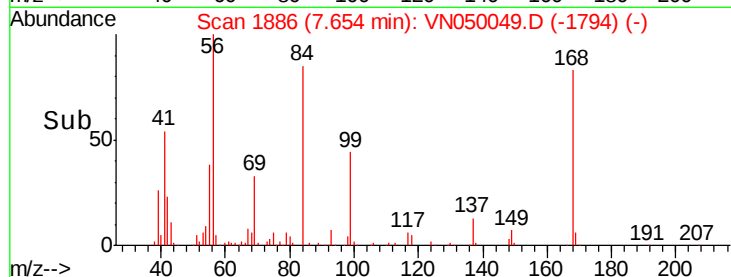
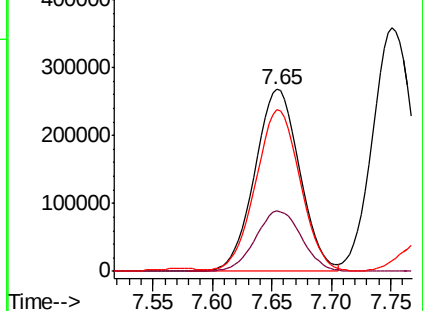
84 87.2 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050013.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050013.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050013.D (-1864) (-)



#32

1,1,1-Trichloroethane

Concen: 48.09 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

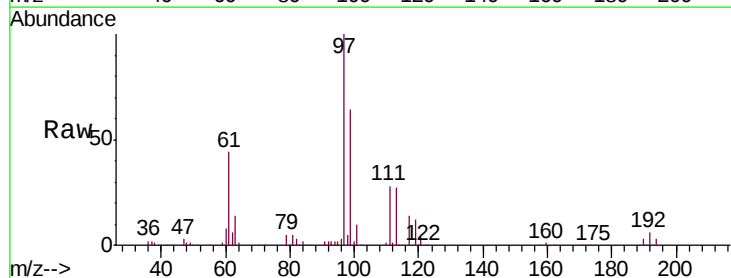
Tgt Ion: 97 Resp: 721866

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

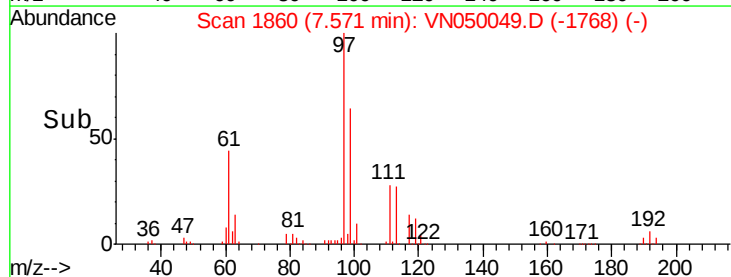
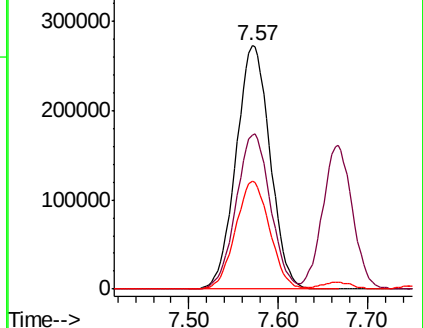
61 44.4 35.4 53.0

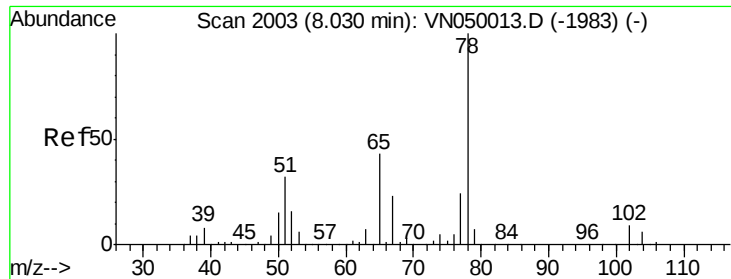


Abundance Ion 96.90 (96.60 to 97.60): VN050013.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050013.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050013.D (-1838) (-)

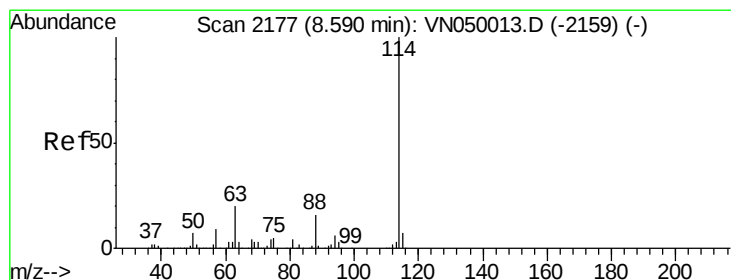
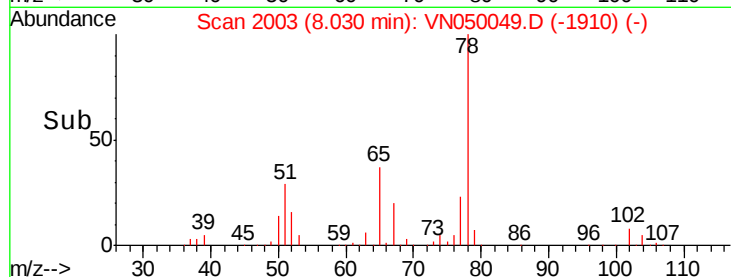
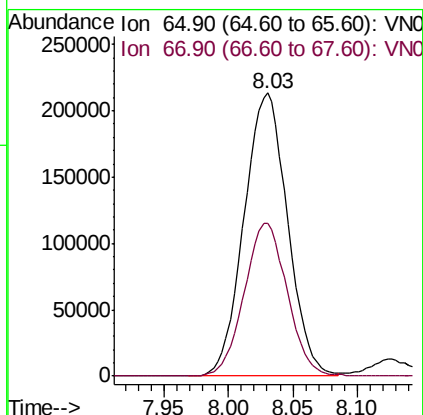
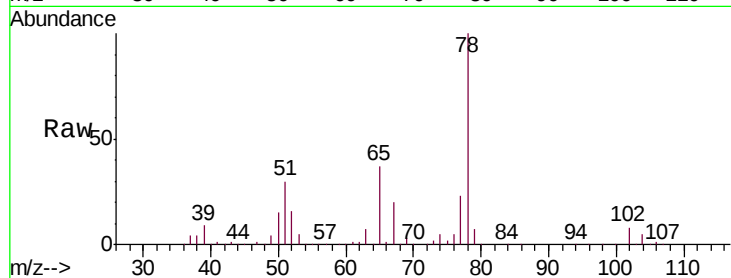




#33
 1,2-Dichloroethane-d4
 Concen: 48.49 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

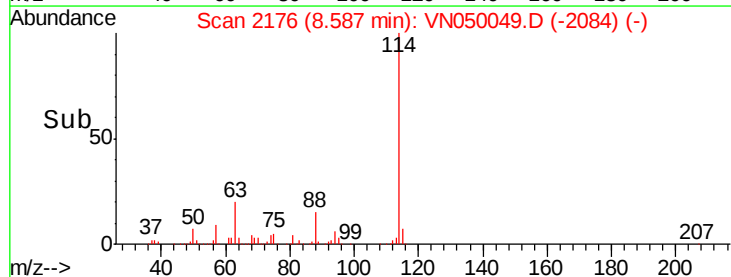
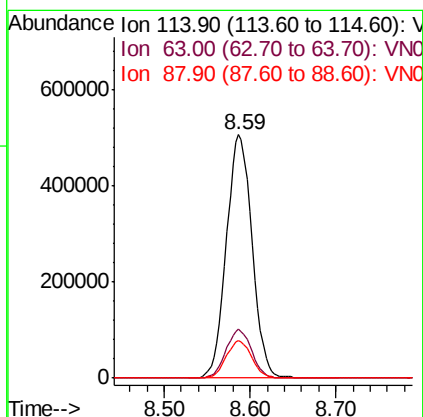
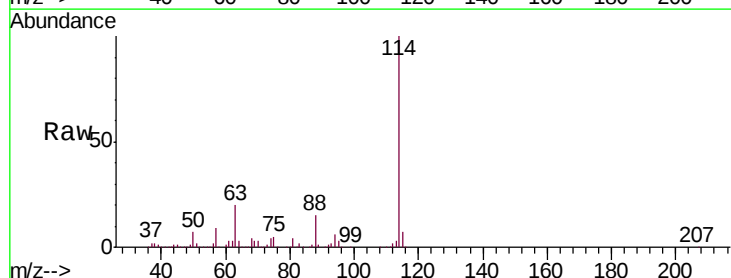
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

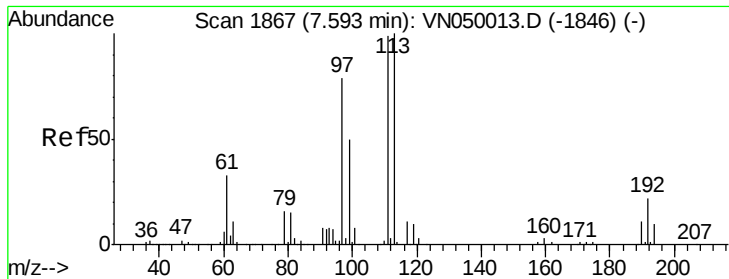
Tot Ion: 65 Resp: 502078
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 114 Resp: 1050552
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.5 0.0 31.2

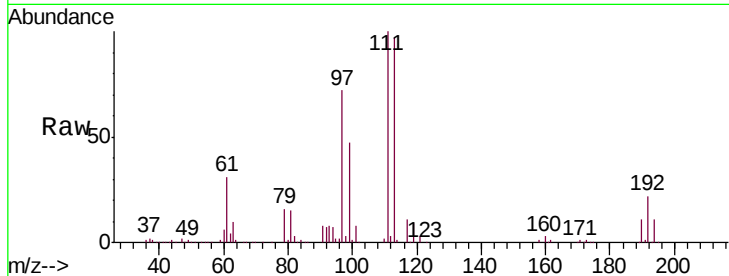




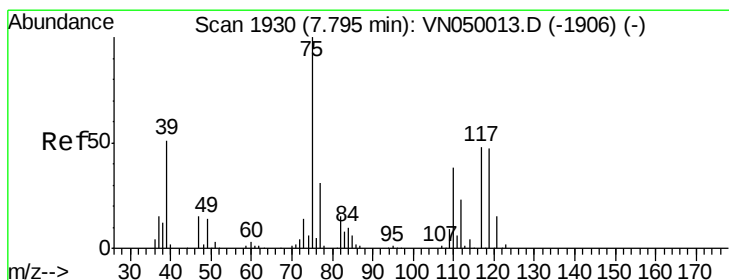
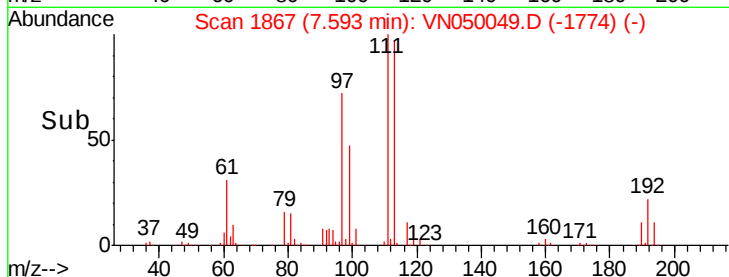
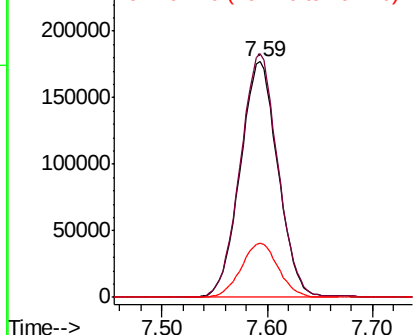
#35
 Dibromofluoromethane
 Concen: 51.37 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 440615
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.7 17.8 26.6

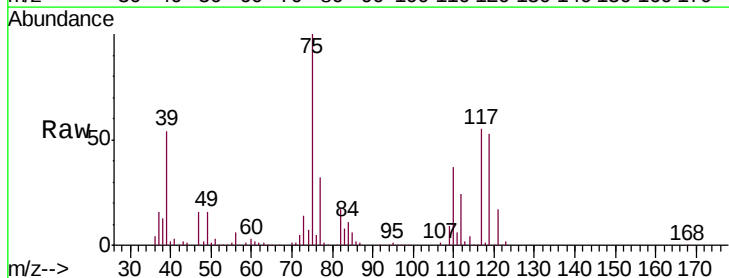


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

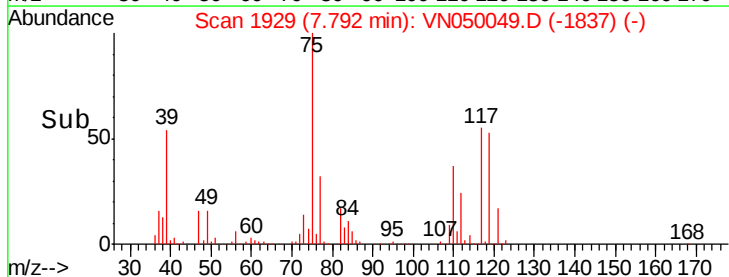
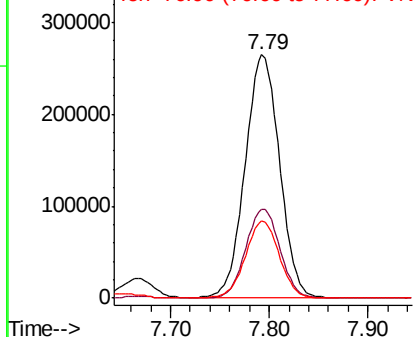


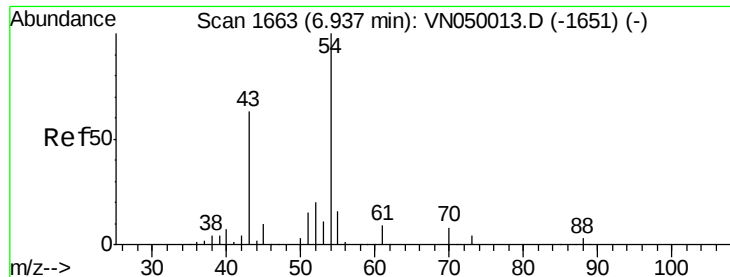
#36
 1,1-Dichloropropene
 Concen: 53.80 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 75 Resp: 636773
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.4 55.2
 77 31.6 25.3 37.9



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

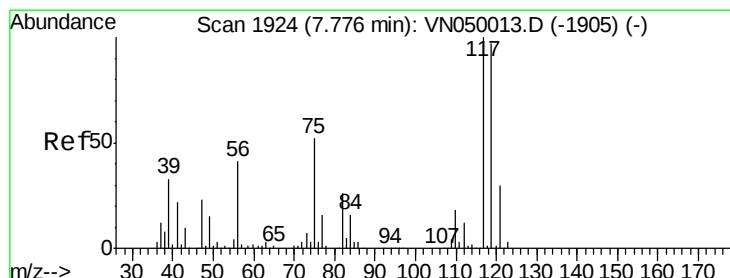
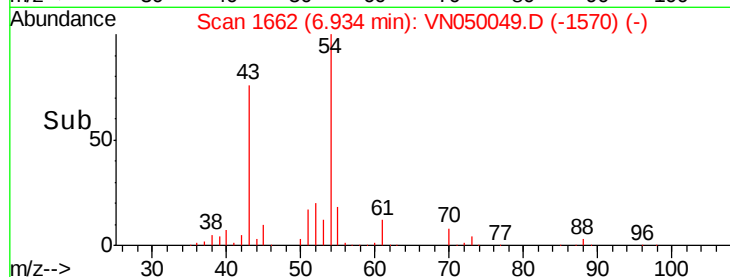
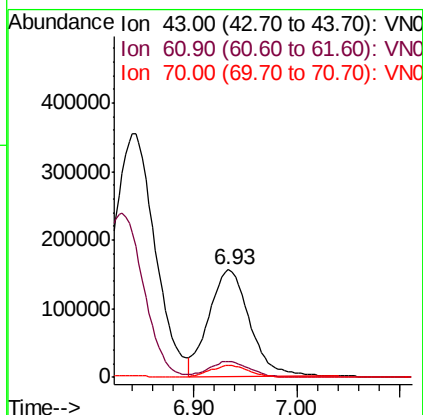
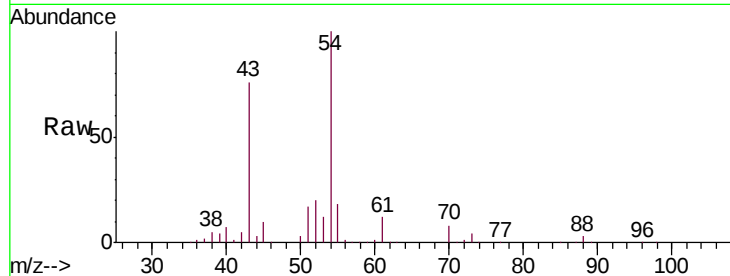




#37
Ethyl Acetate
Concen: 52.12 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

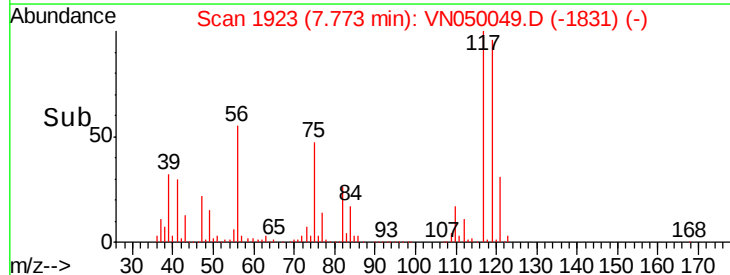
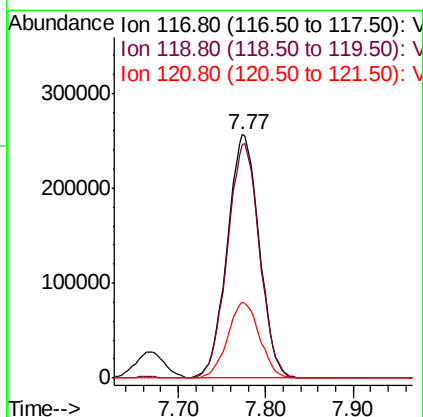
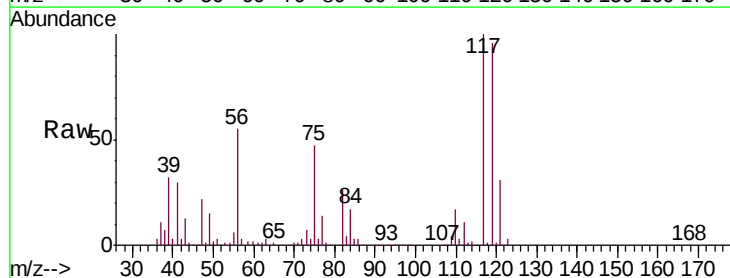
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

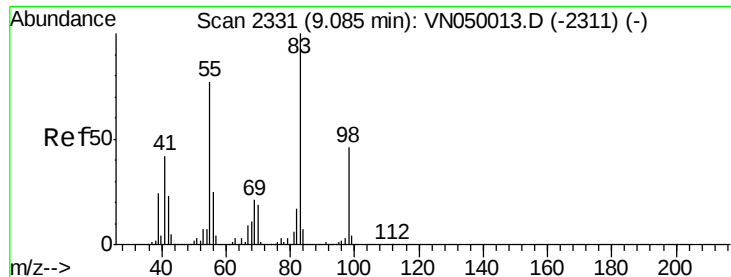
Tot Ion: 43 Resp: 430133
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.88 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 117 Resp: 651494
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 31.2 23.9 35.9

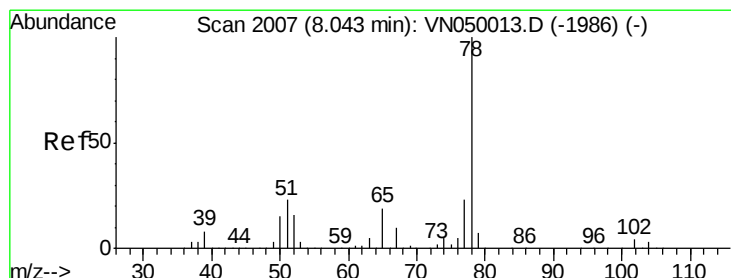
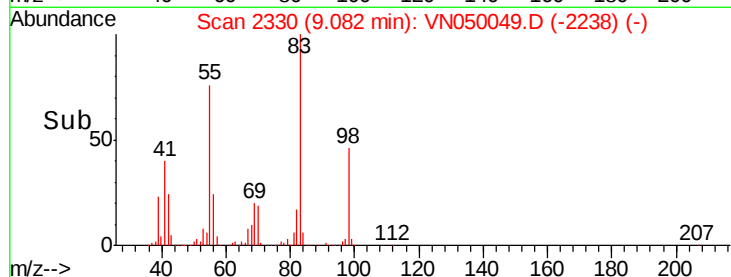
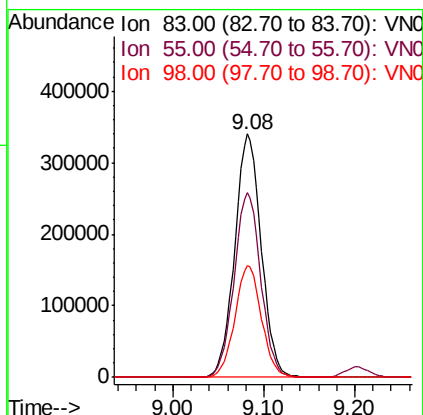
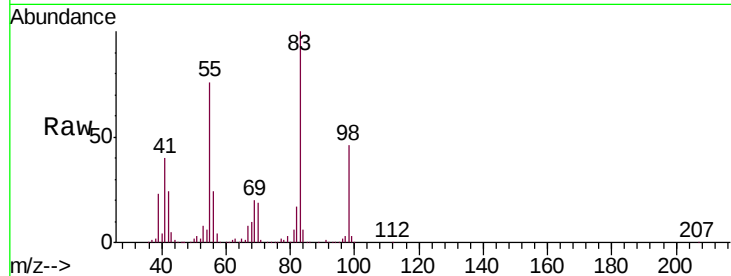




#39
Methvlcvclohexane
Concen: 56.43 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

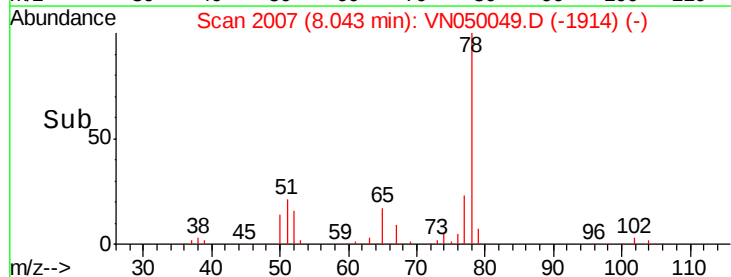
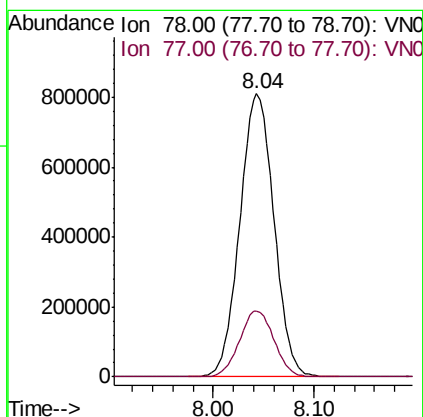
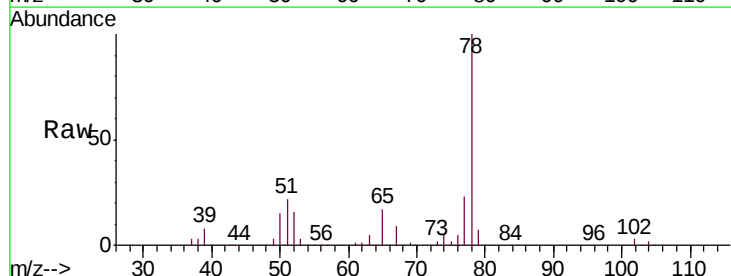
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

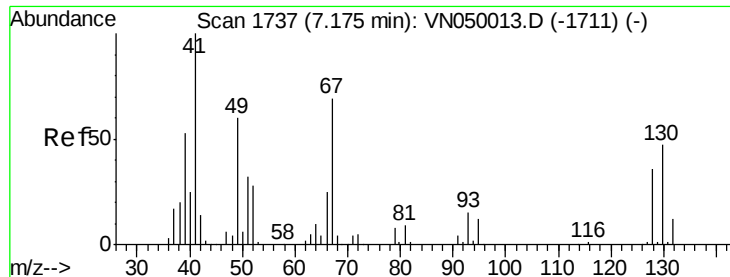
Tot Ion: 83 Resp: 687099
Ion Ratio Lower Upper
83 100
55 76.0 61.8 92.8
98 46.0 36.5 54.7



#40
Benzene
Concen: 52.60 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 78 Resp: 1894506
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

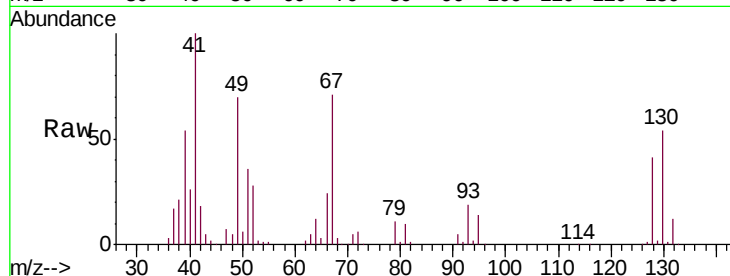




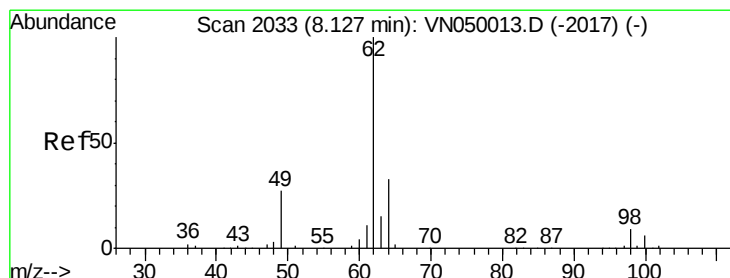
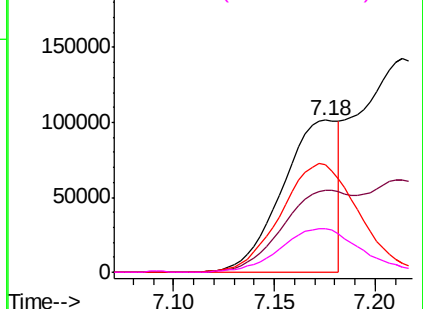
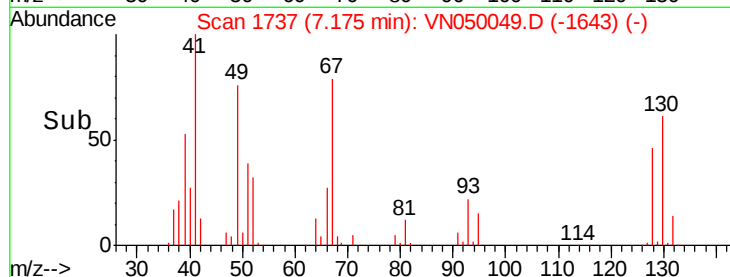
#41
Methacrylonitrile
Concen: 45.46 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 194242
Ion Ratio Lower Upper
41 100
39 68.8 55.8 83.6
67 101.2 84.3 126.5
52 40.7 34.2 51.2

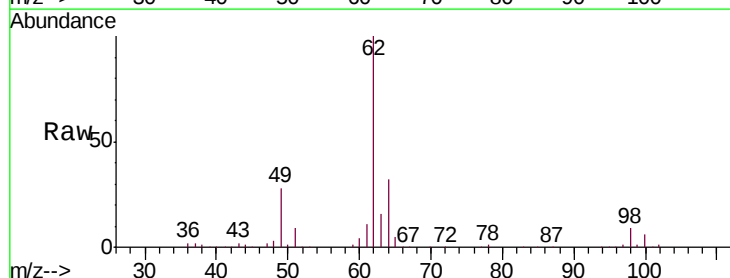


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

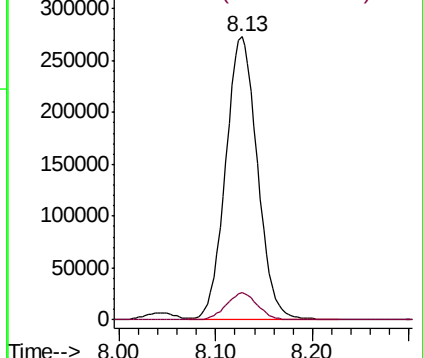
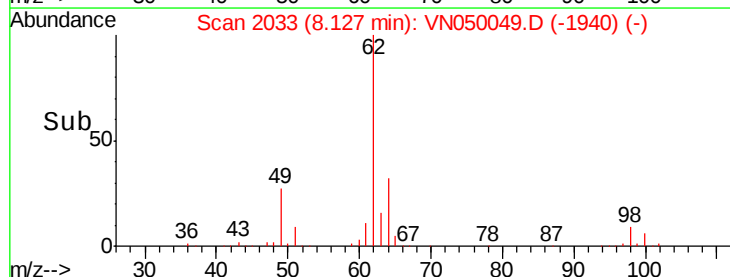


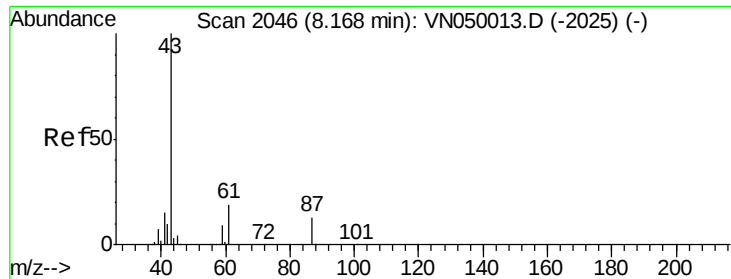
#42
1,2-Dichloroethane
Concen: 51.71 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 62 Resp: 621334
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



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



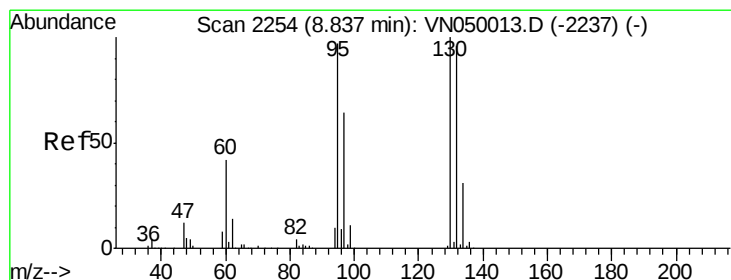
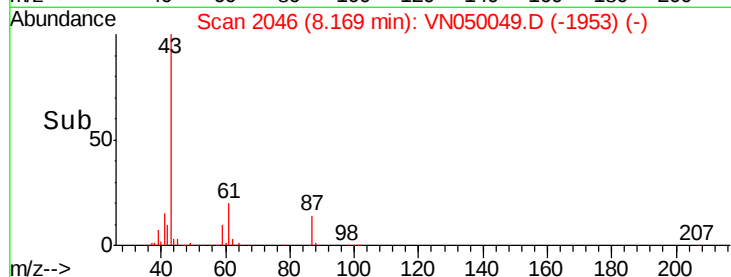
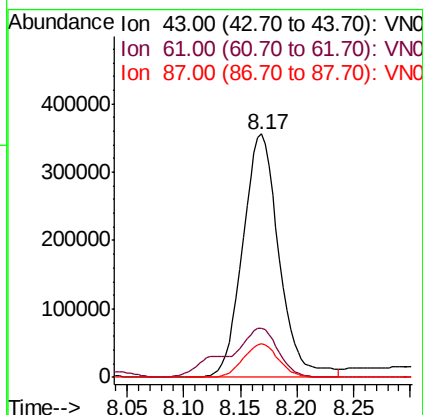
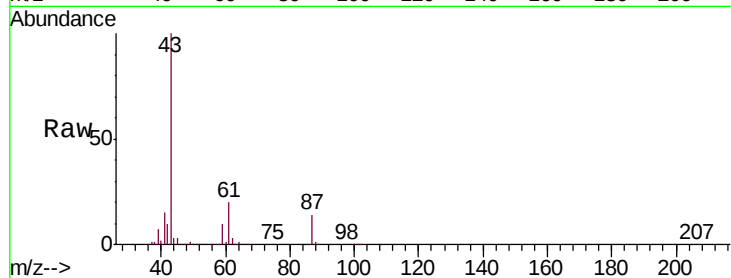


#43

Isopropyl Acetate
 Concen: 50.98 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

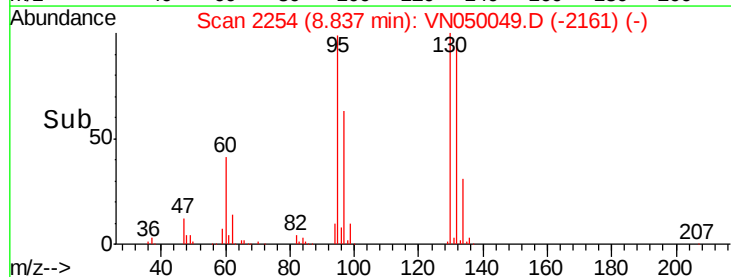
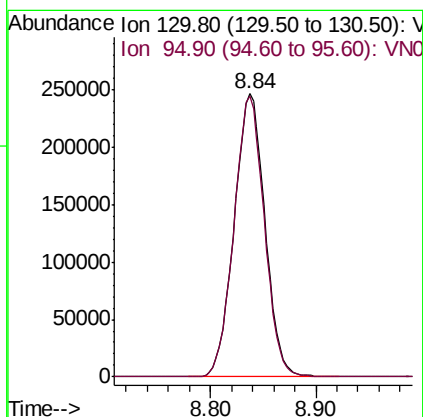
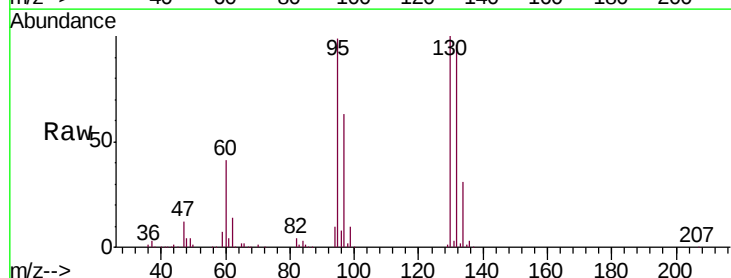
Tot Ion: 43 Resp: 792391
 Ion Ratio Lower Upper
 43 100
 61 20.5 15.8 23.6
 87 13.5 10.3 15.5

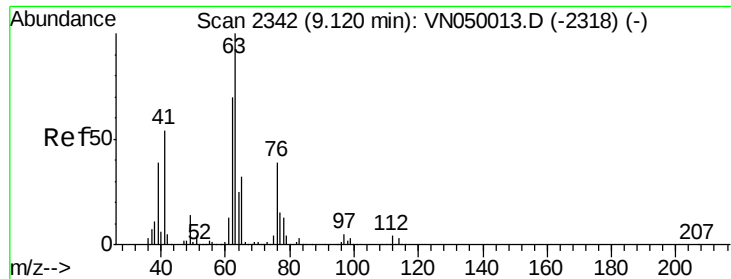


#44

Trichloroethene
 Concen: 51.42 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 130 Resp: 497612
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 194.6

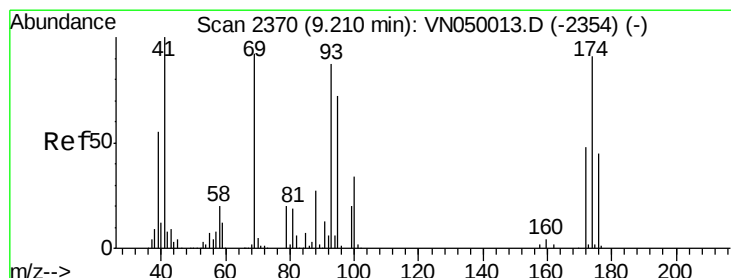
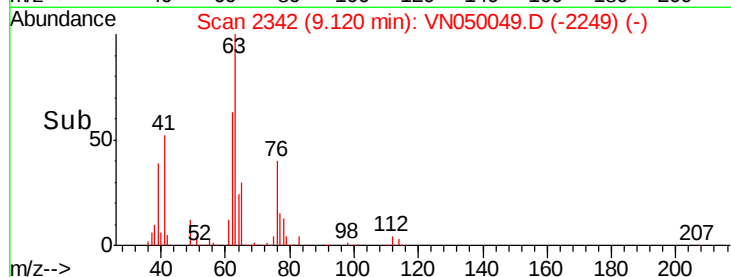
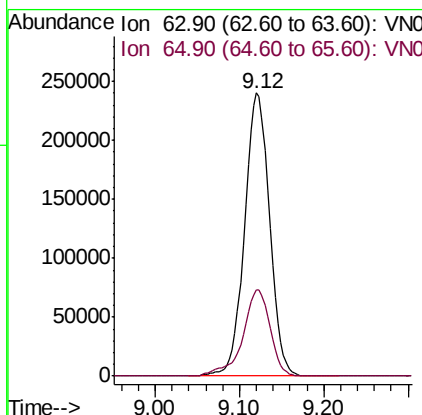
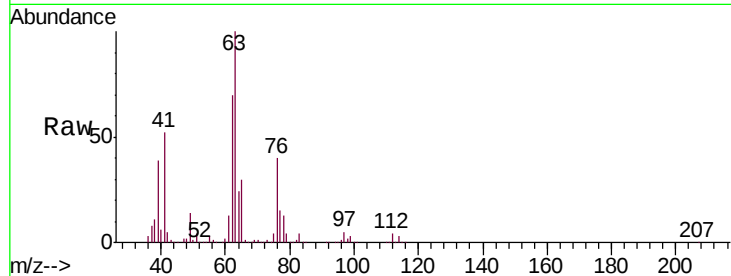




#45
 1,2-Dichloropropane
 Concen: 52.02 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

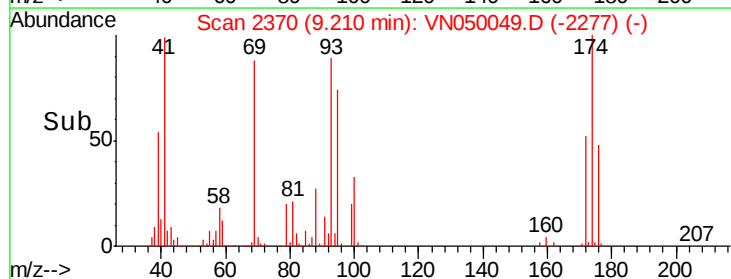
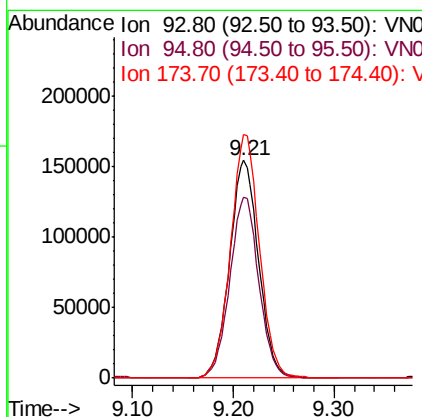
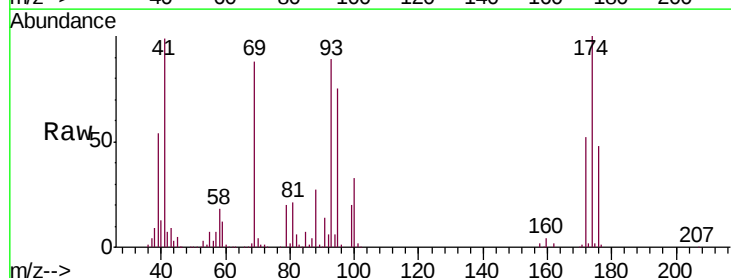
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

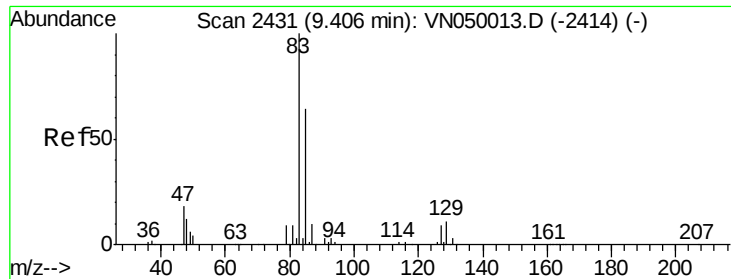
Tot Ion: 63 Resp: 496280
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.5 38.3



#46
 Dibromomethane
 Concen: 52.31 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 93 Resp: 309833
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 111.0 87.1 130.7





#47

Bromodichloromethane

Concen: 51.73 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

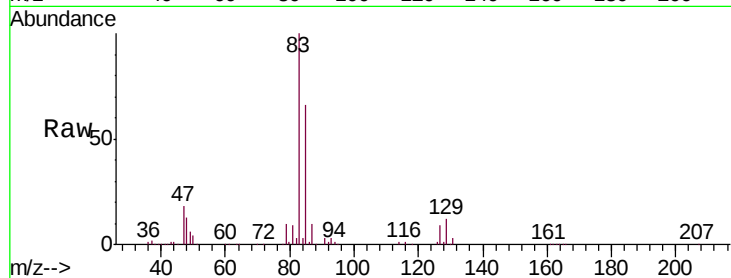
Tot Ion: 83 Resp: 646759

Ion Ratio Lower Upper

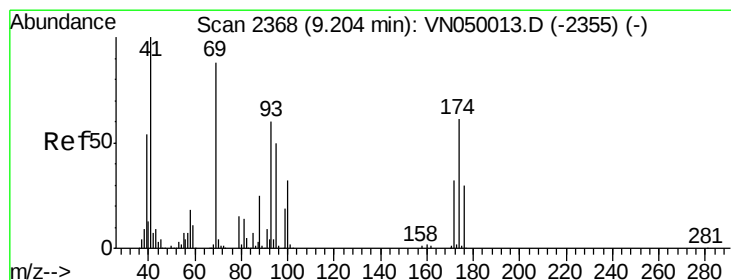
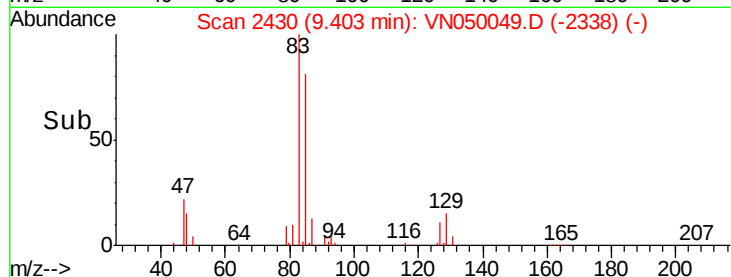
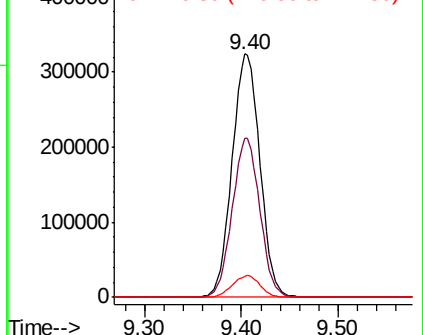
83 100

85 65.5 51.1 76.7

127 8.8 7.0 10.4



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



#48

Methyl methacrylate

Concen: 55.07 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

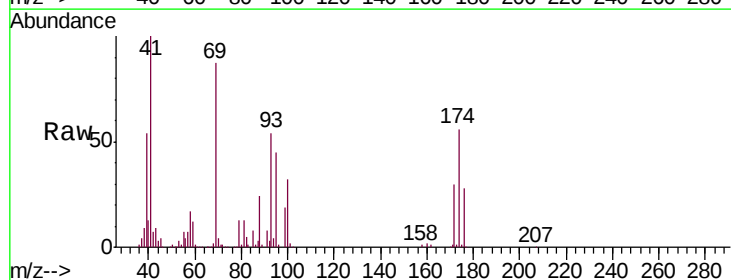
Tgt Ion: 41 Resp: 391409

Ion Ratio Lower Upper

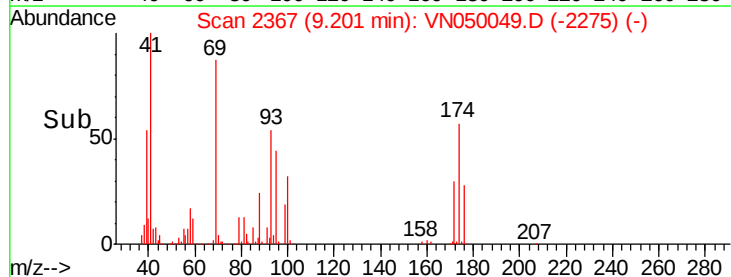
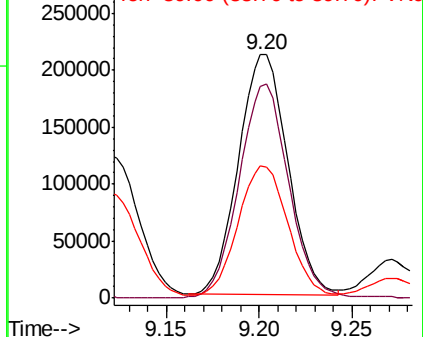
41 100

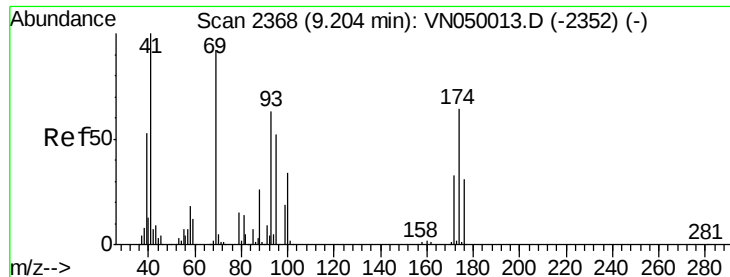
69 89.3 70.6 105.8

39 56.4 43.9 65.9



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

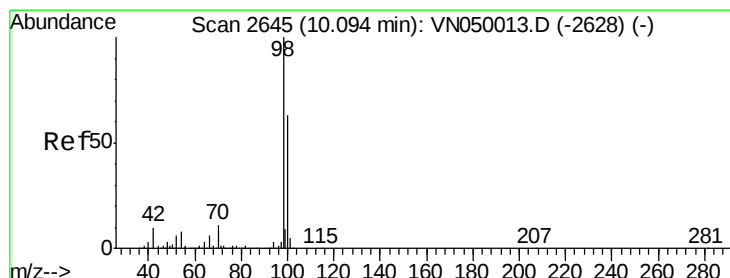
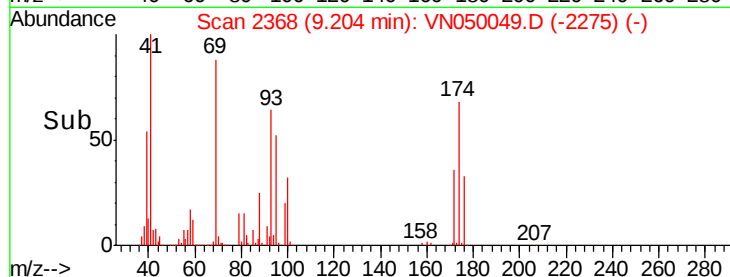
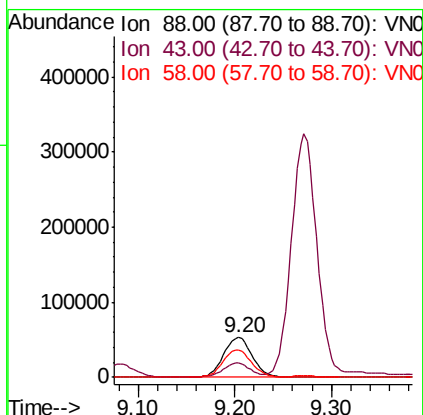
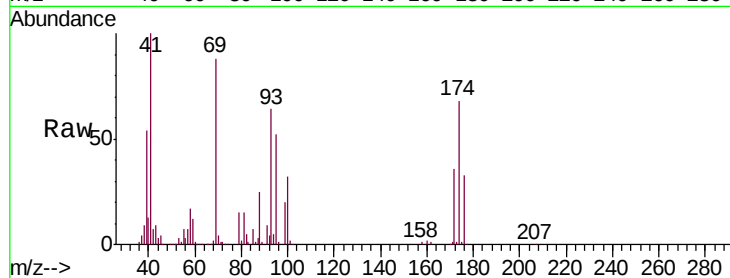




#49
1,4-Dioxane
Concen: 1137.34 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

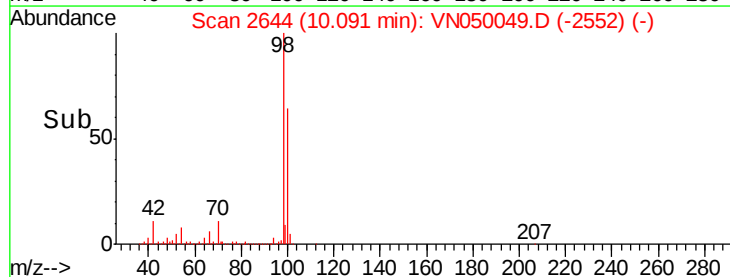
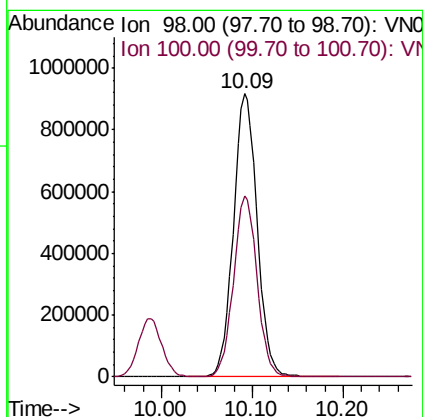
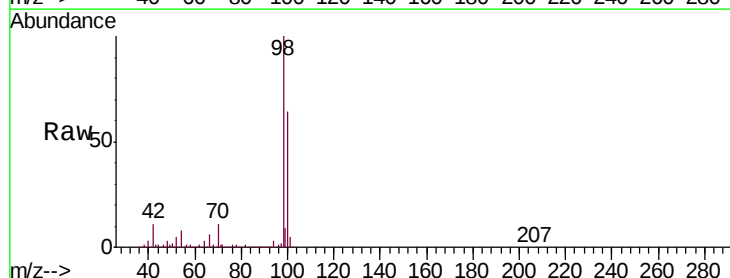
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

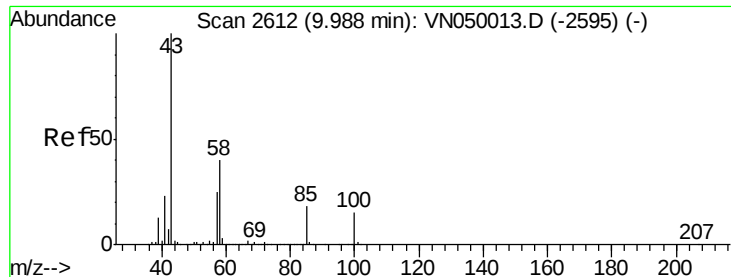
Tot Ion: 88 Resp: 110001
Ion Ratio Lower Upper
88 100
43 32.7 26.9 40.3
58 68.8 57.3 85.9



#50
Toluene-d8
Concen: 52.64 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 98 Resp: 1659925
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 277.05 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

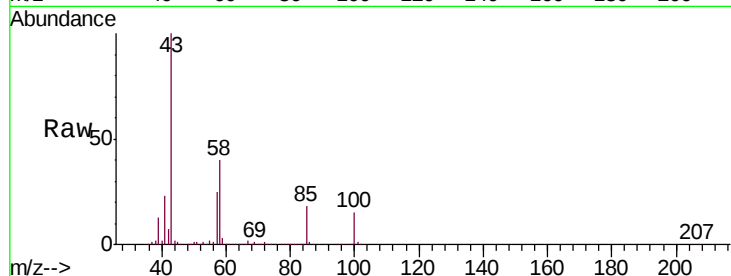
VSTDCCC050

Tot Ion: 43 Resp: 2247467

Ion Ratio Lower Upper

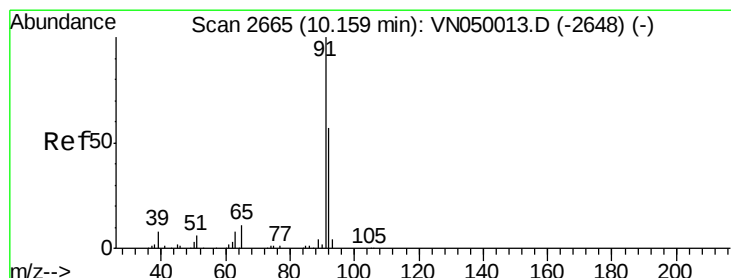
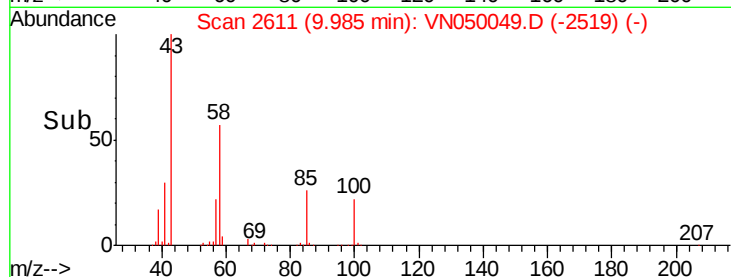
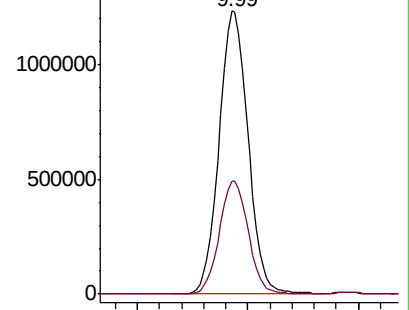
43 100

58 40.0 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050013.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN050013.D (-2595) (-)



#52

Toluene

Concen: 55.45 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050049.D

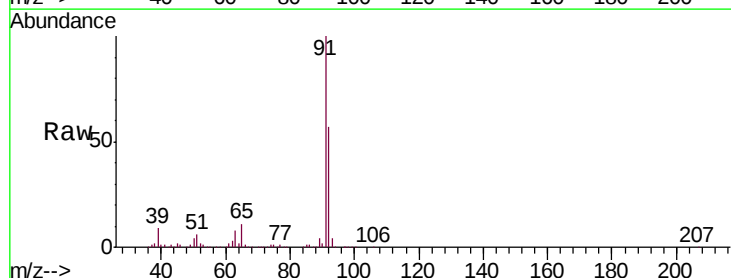
Acq: 25 Jul 2018 17:41

Tgt Ion: 92 Resp: 1178858

Ion Ratio Lower Upper

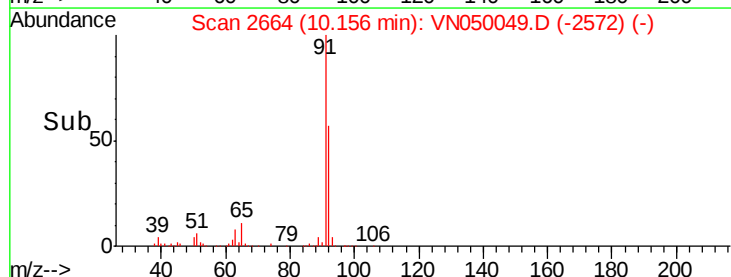
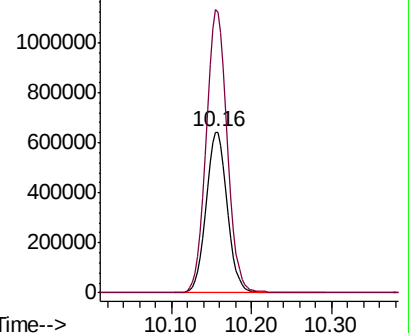
92 100

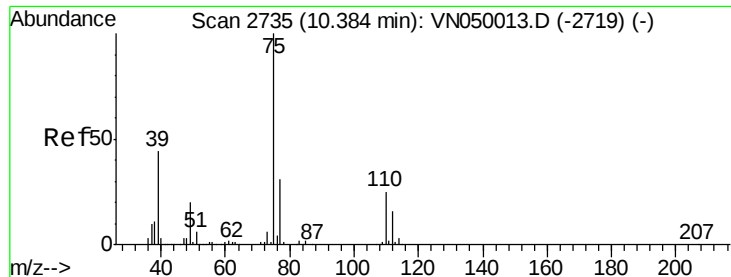
91 175.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050013.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN050013.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 55.45 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

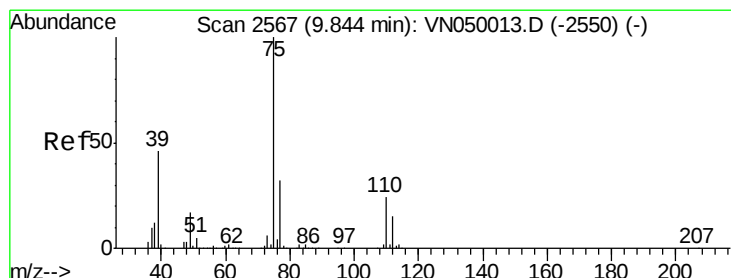
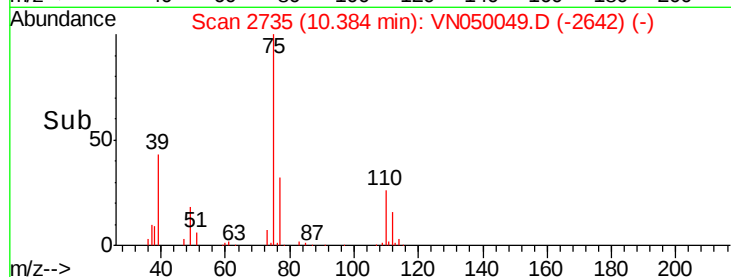
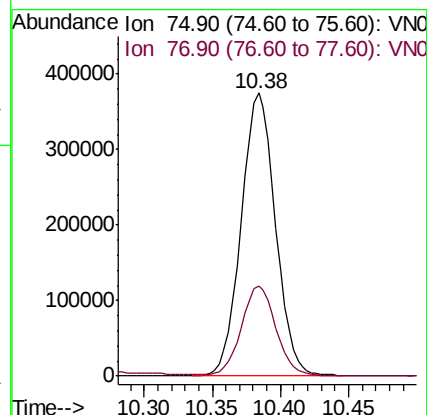
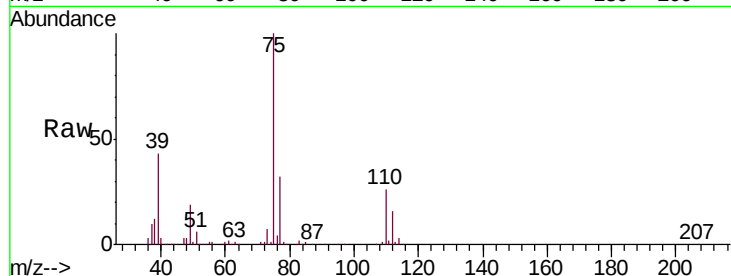
VSTDCCC050

Tot Ion: 75 Resp: 654146

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 54.84 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

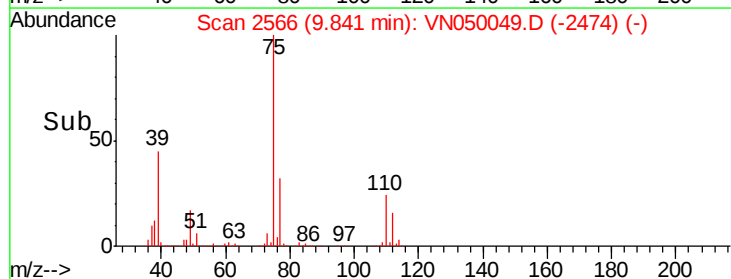
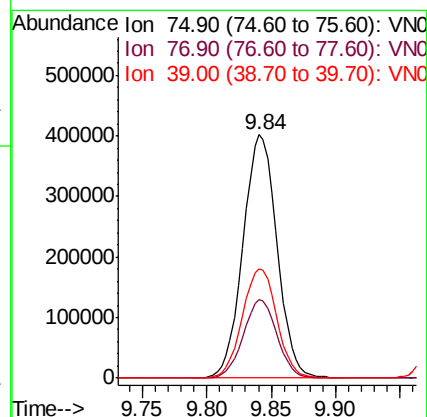
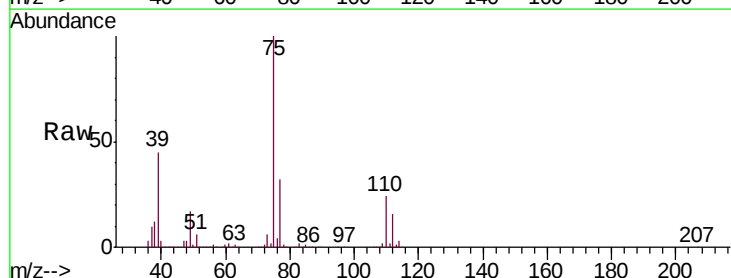
Tgt Ion: 75 Resp: 739365

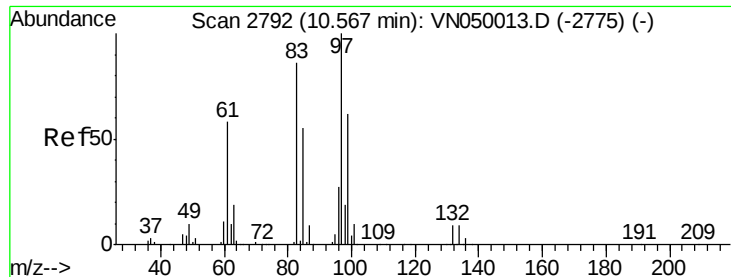
Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 45.0 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 52.52 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 442852

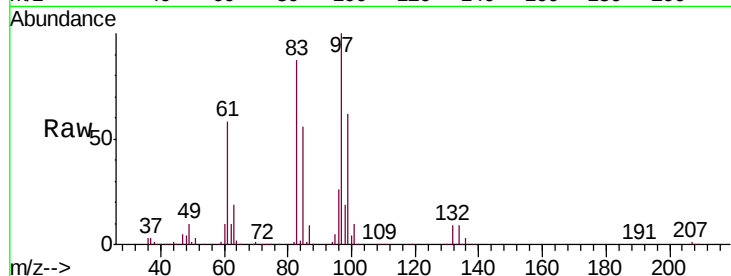
Ion Ratio Lower Upper

97 100

83 87.1 69.2 103.8

85 55.9 44.0 66.0

99 62.3 49.9 74.9



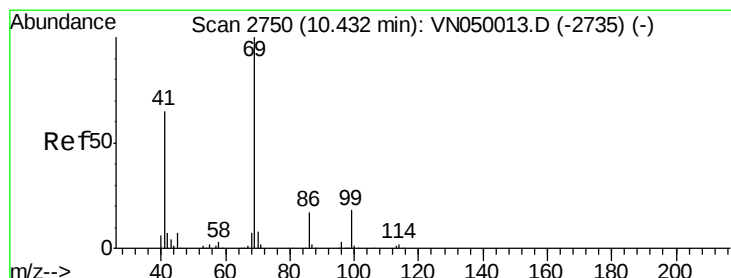
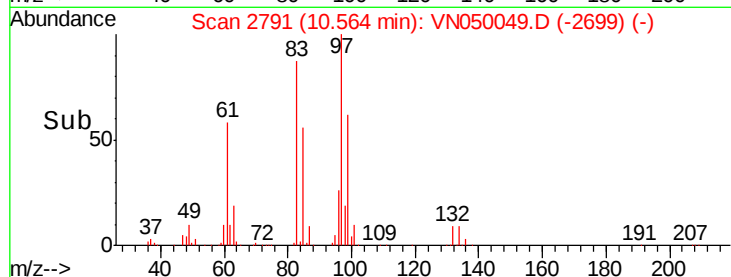
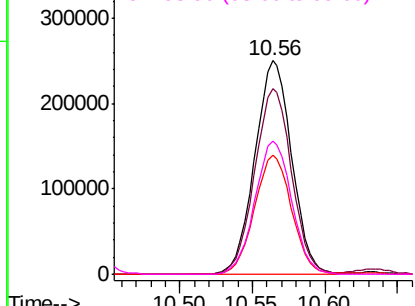
Abundance

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: 50.99 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

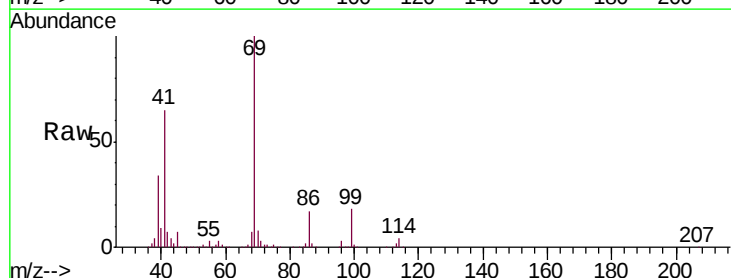
Tgt Ion: 69 Resp: 583002

Ion Ratio Lower Upper

69 100

41 63.6 51.0 76.4

39 33.2 26.6 40.0

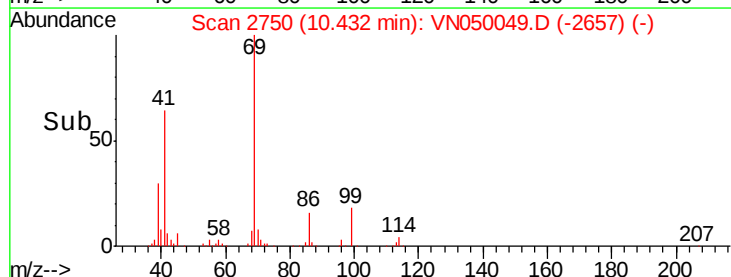
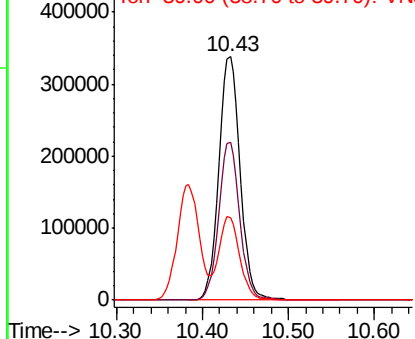


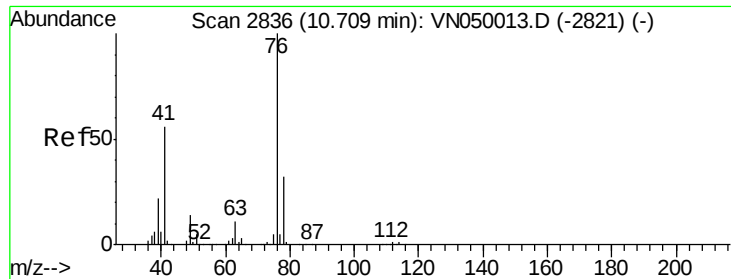
Abundance

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

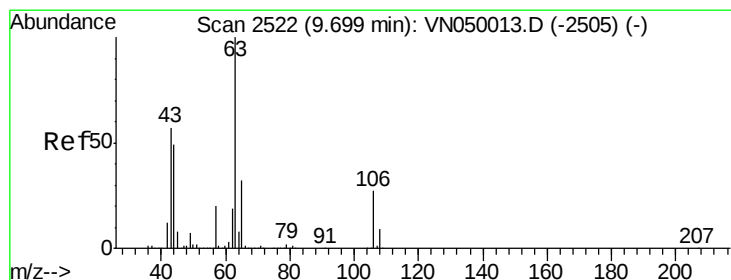
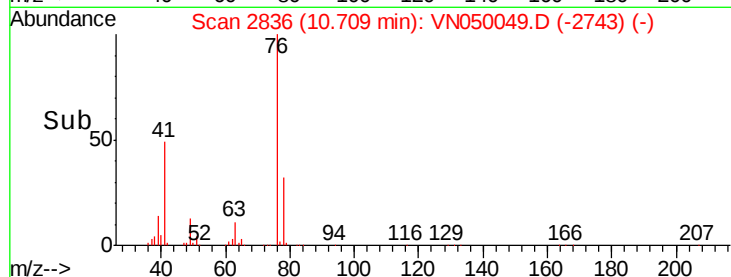
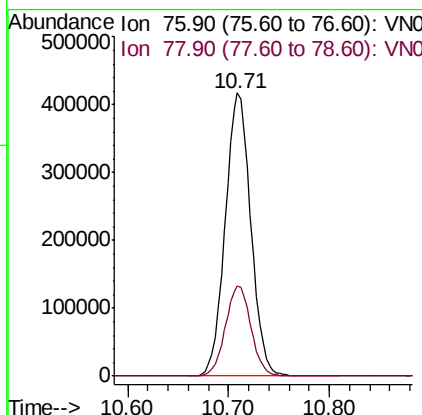
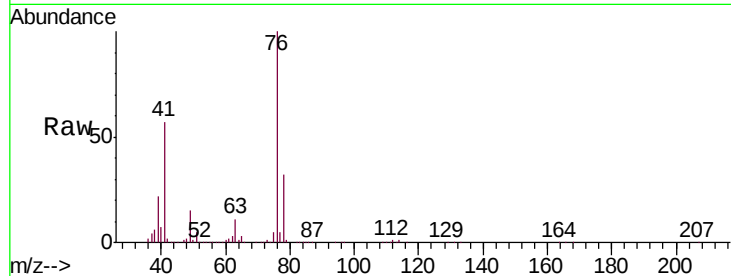




#57
 1,3-Dichloropropane
 Concen: 53.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

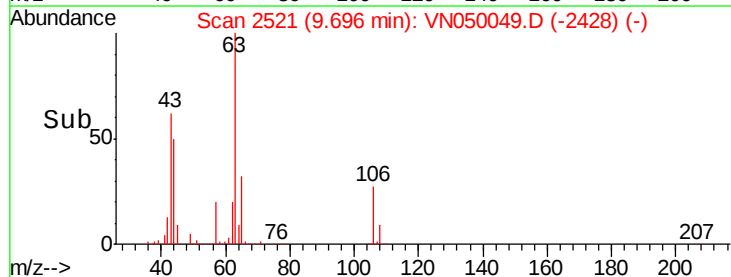
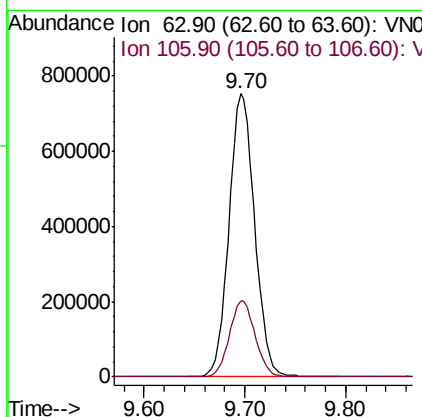
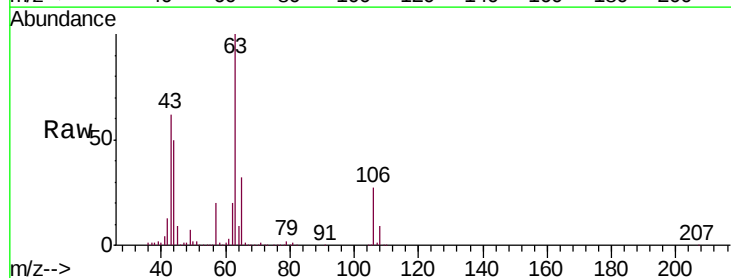
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

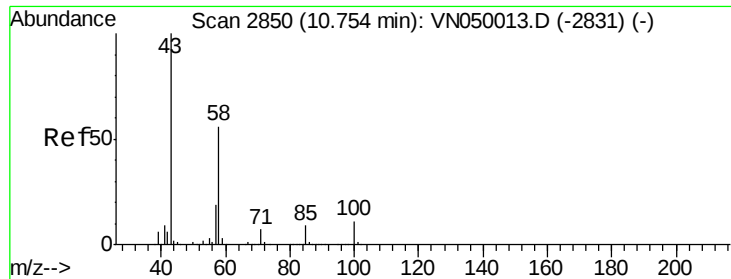
Tot Ion: 76 Resp: 737062
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.47 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 63 Resp: 1336832
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

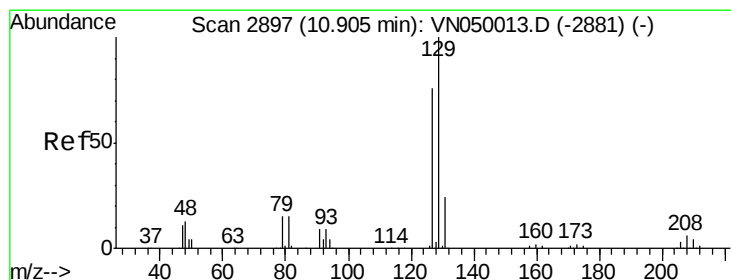
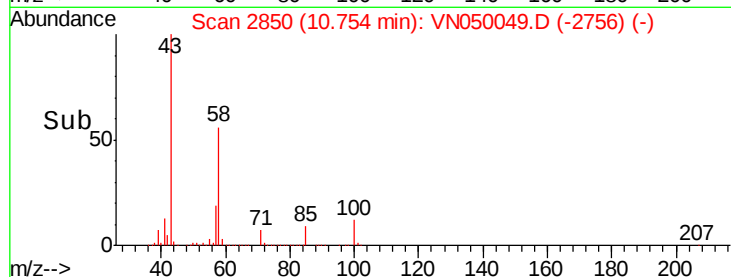
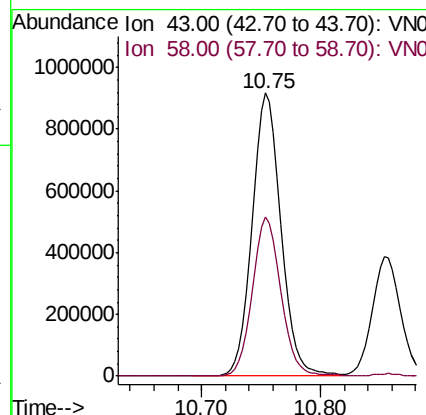
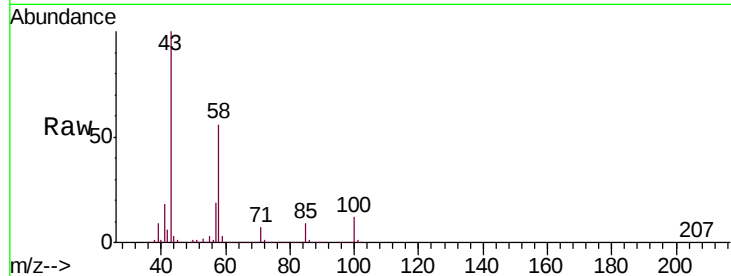




#59
2-Hexanone
Concen: 257.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

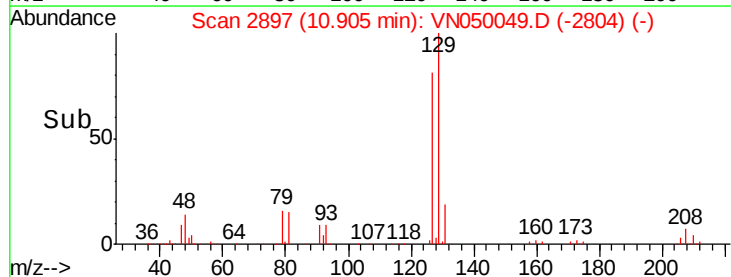
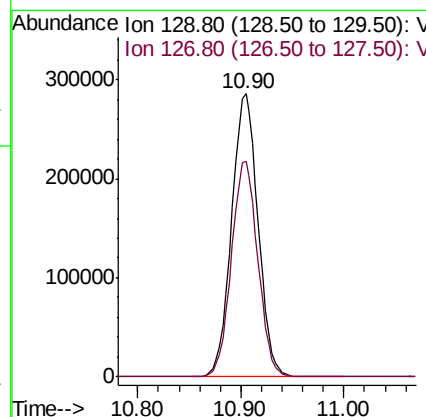
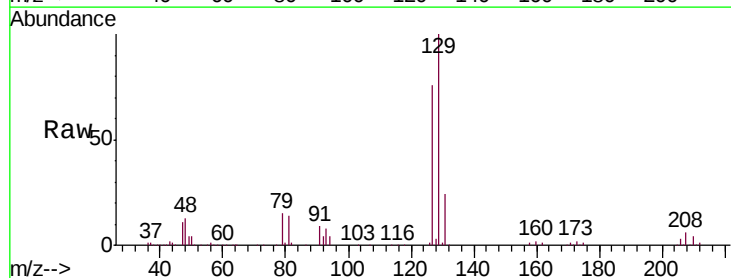
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

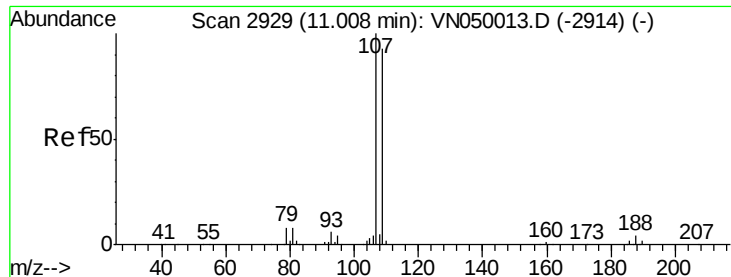
Tot Ion: 43 Resp: 1537506
Ion Ratio Lower Upper
43 100
58 55.7 27.6 82.7



#60
Dibromochloromethane
Concen: 54.62 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 129 Resp: 509963
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9

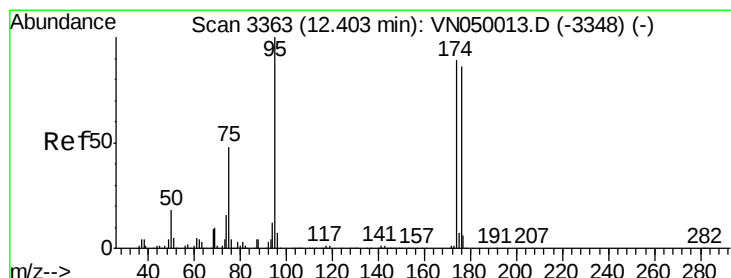
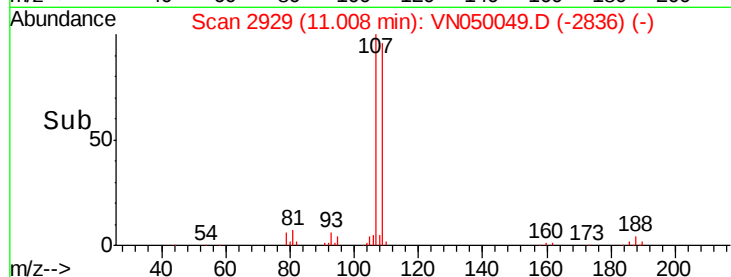
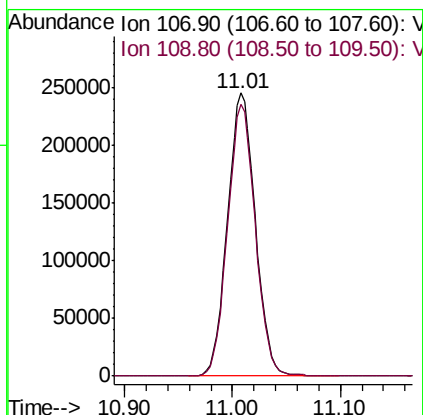
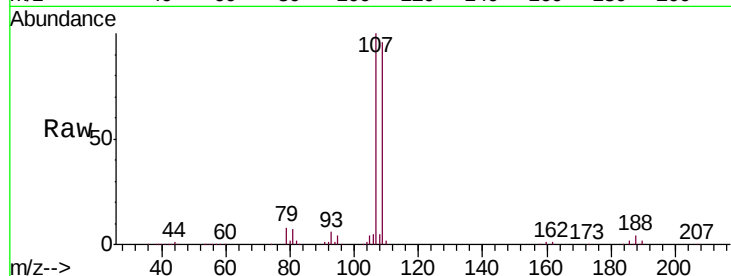




#61
 1,2-Dibromoethane
 Concen: 52.85 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

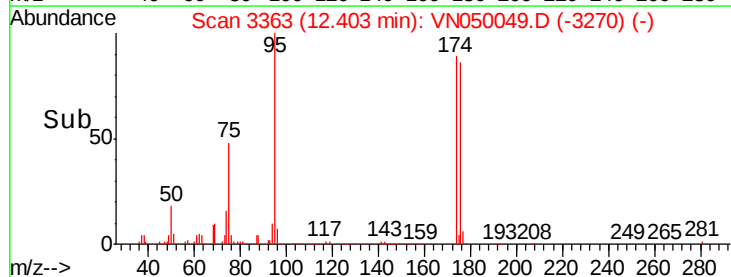
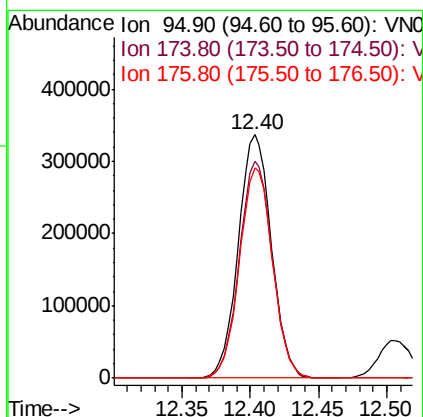
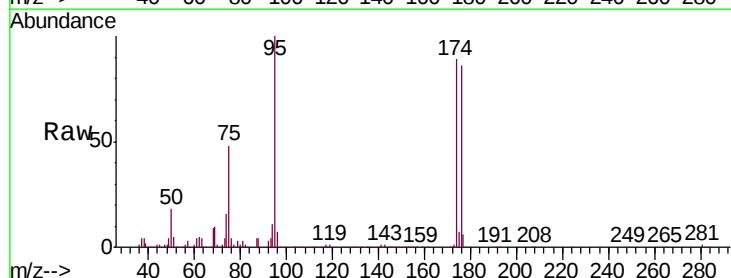
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

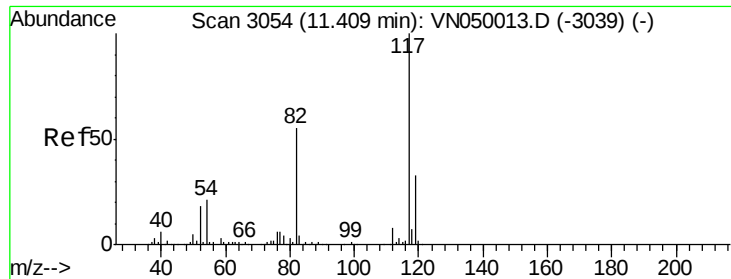
Tot Ion:107 Resp: 442164
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 54.54 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion: 95 Resp: 566270
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.2
 176 86.4 0.0 173.4

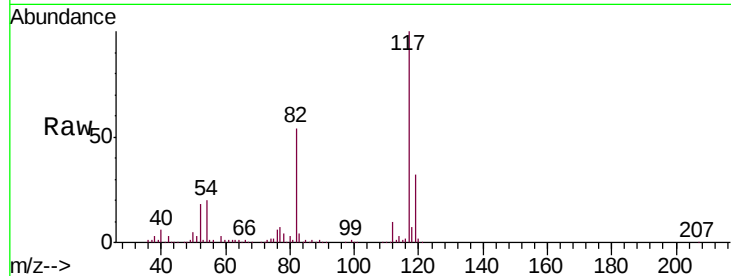




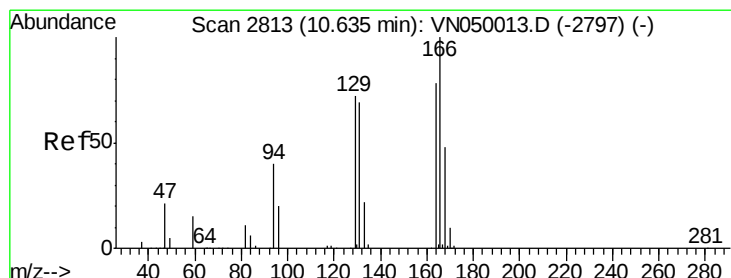
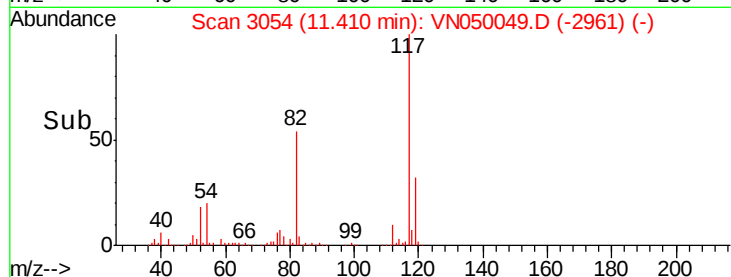
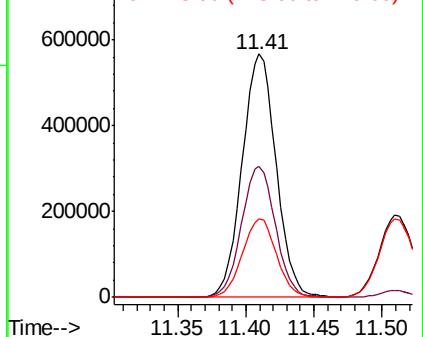
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	32.3	26.1	39.1

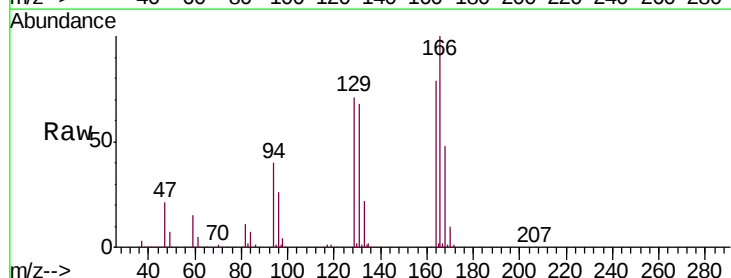


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

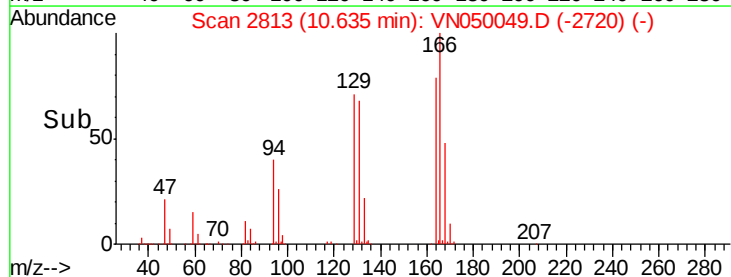
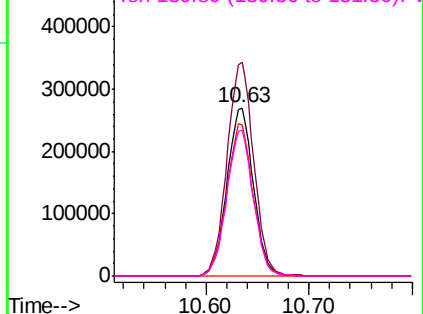


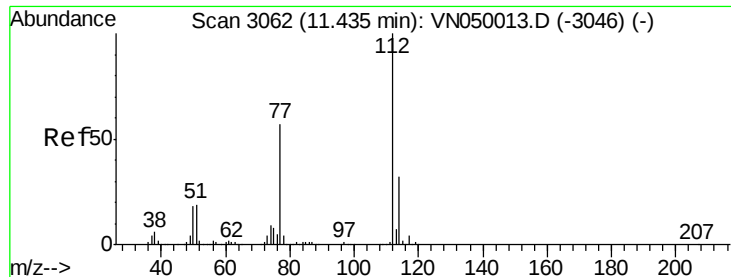
#64
Tetrachloroethene
Concen: 51.18 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.1	153.1
129	90.4	73.2	109.8
131	87.0	70.6	106.0



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

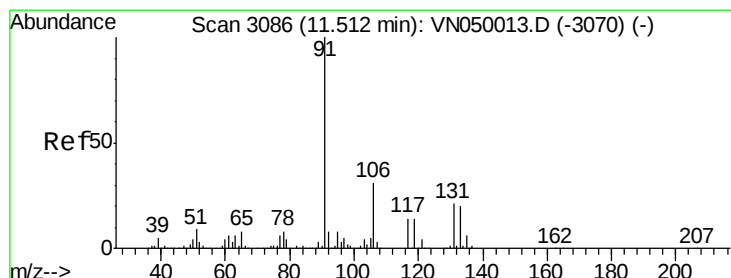
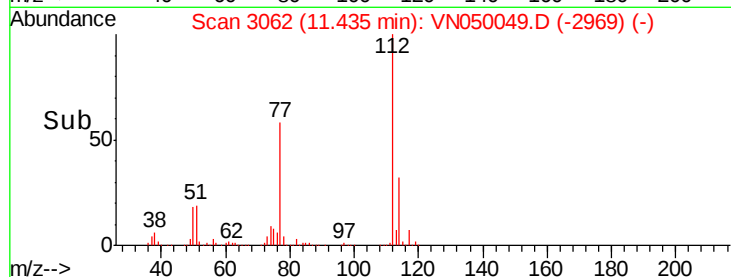
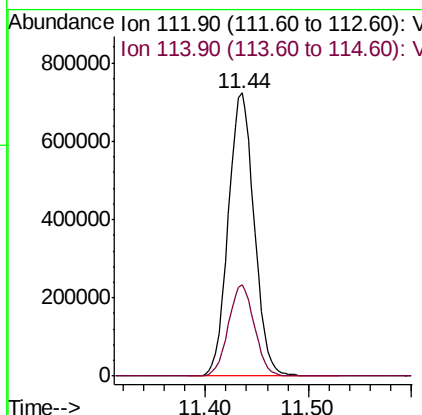
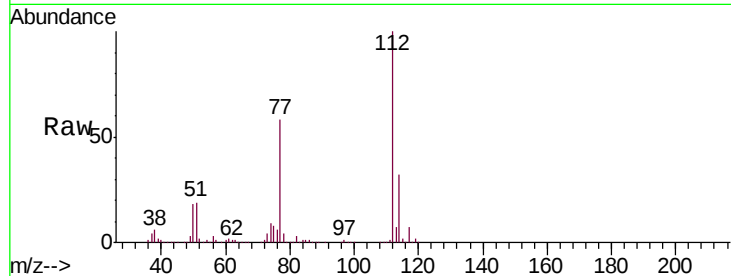




#65
Chlorobenzene
Concen: 51.12 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

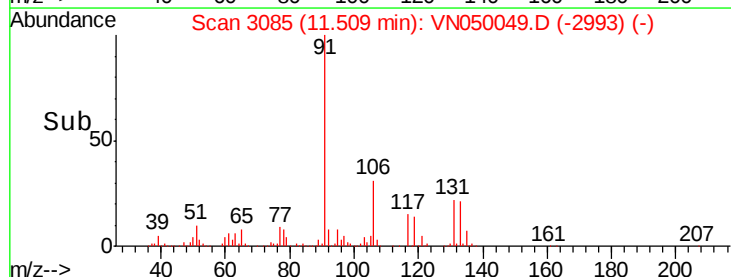
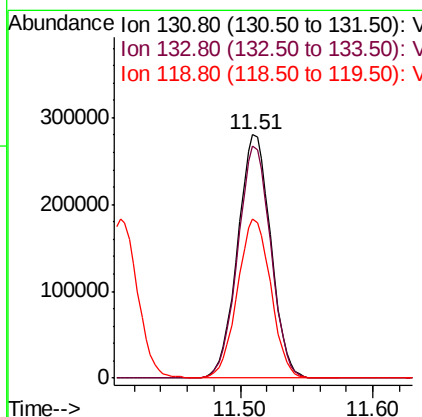
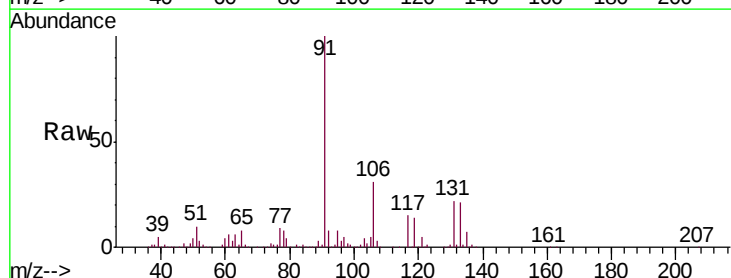
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

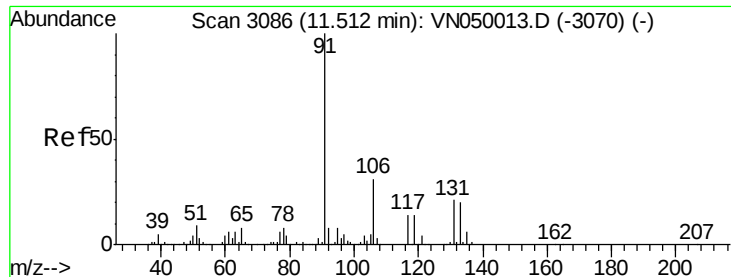
Tot Ion:112 Resp: 1265801
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.13 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion:131 Resp: 486394
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.8 32.9 98.7

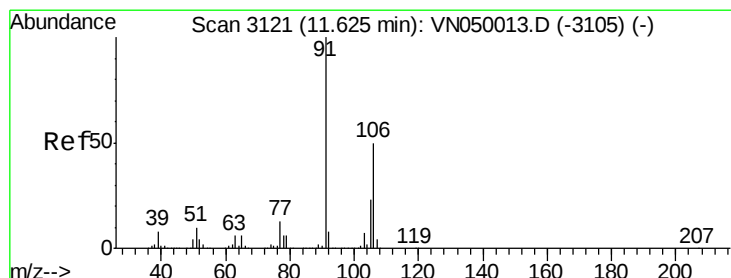
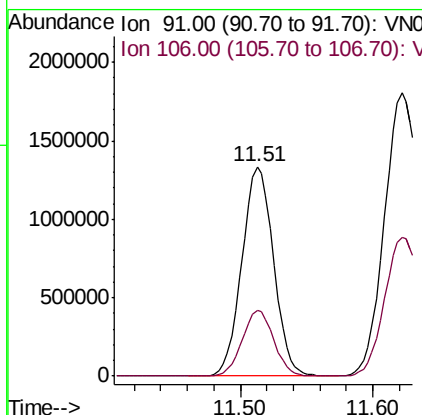
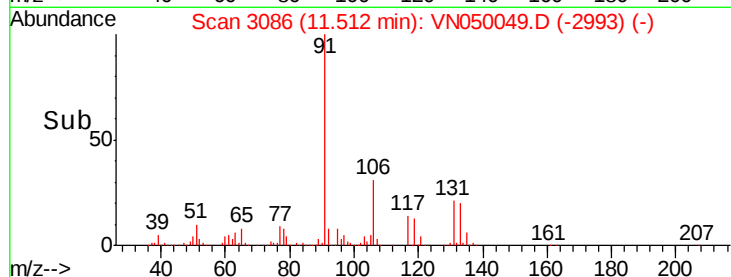
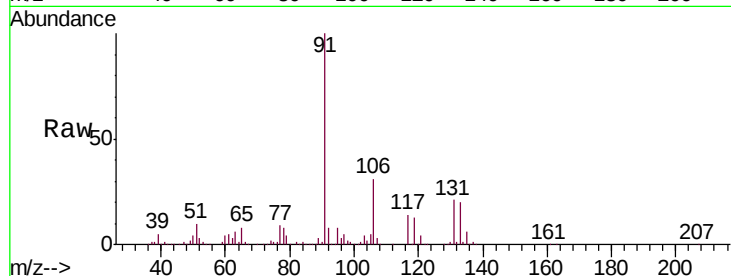




#67
Ethyl Benzene
Concen: 55.67 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

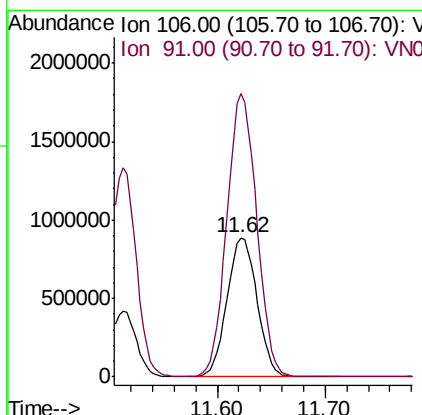
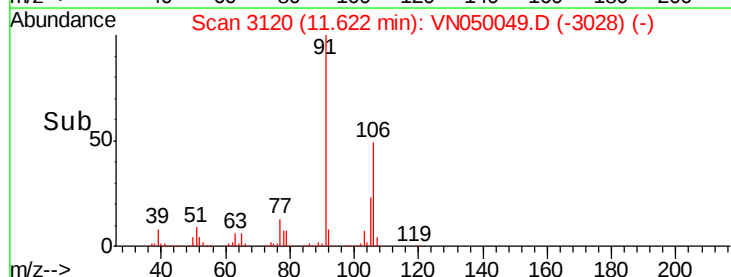
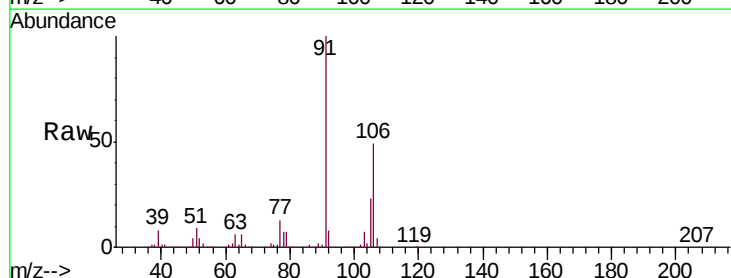
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

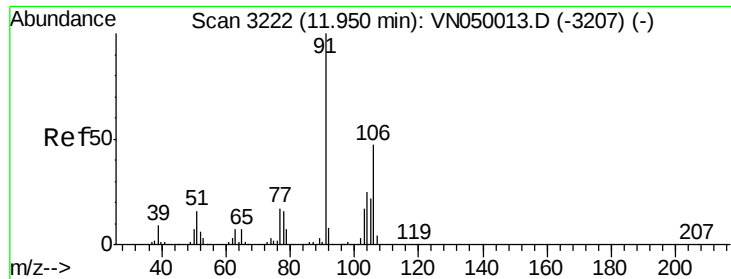
Tot Ion: 91 Resp: 2214164
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 114.13 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 106 Resp: 1716967
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2

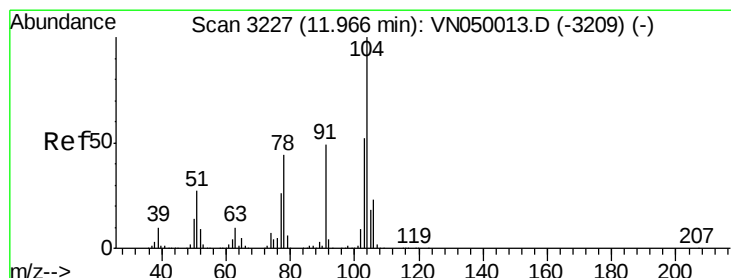
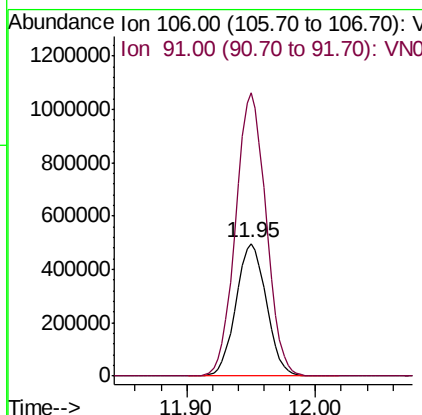
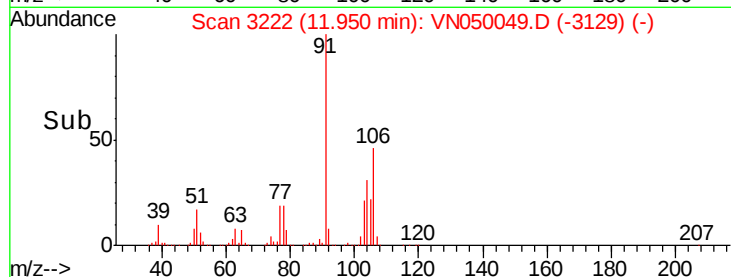
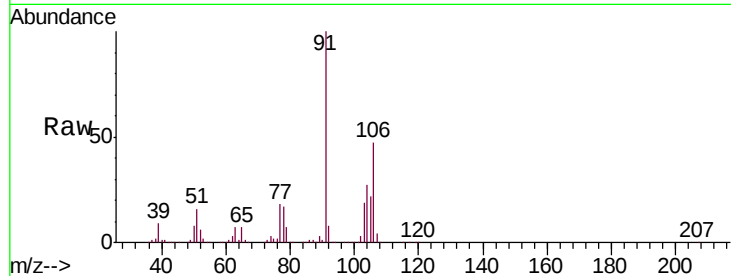




#69
o-Xylene
Concen: 57.05 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

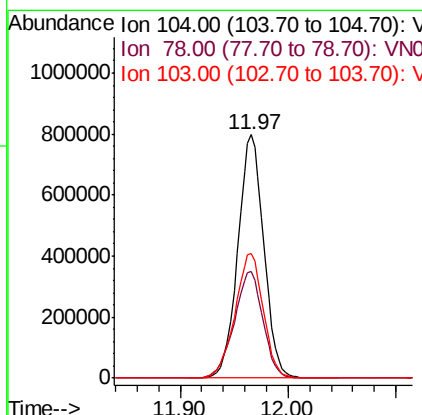
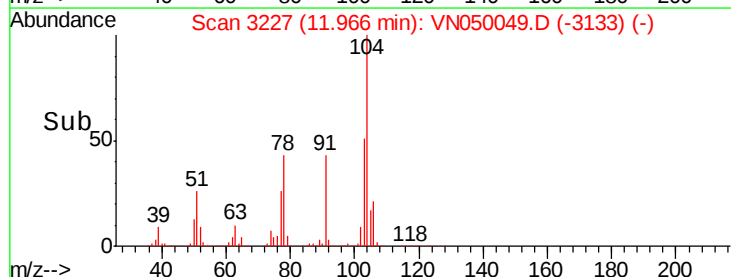
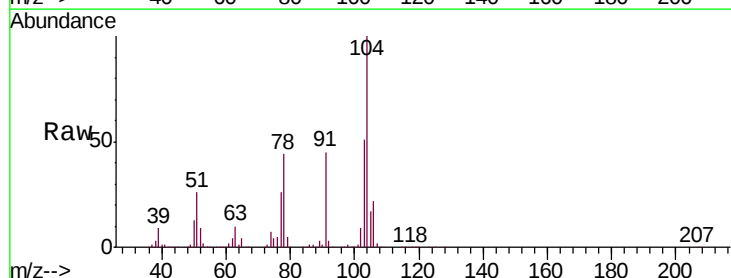
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

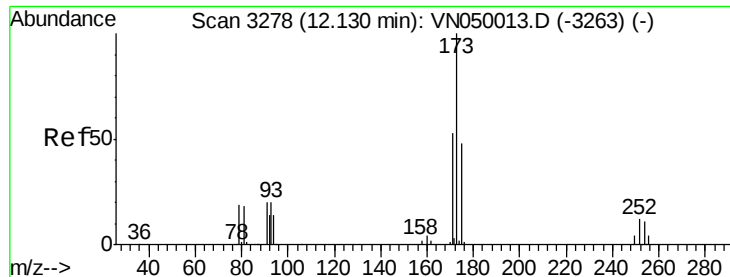
Tot Ion:106 Resp: 818233
Ion Ratio Lower Upper
106 100
91 213.1 107.7 323.1



#70
Styrene
Concen: 52.28 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion:104 Resp: 1334677
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 52.42 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

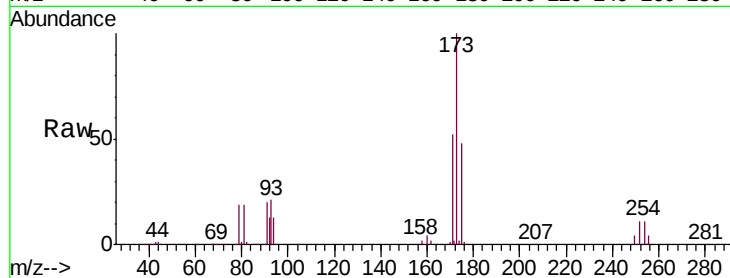
Tot Ion:173 Resp: 362798

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.2

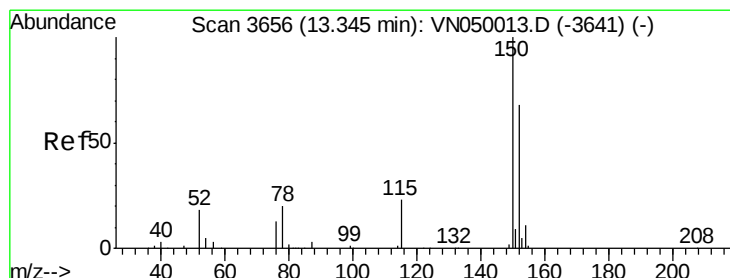
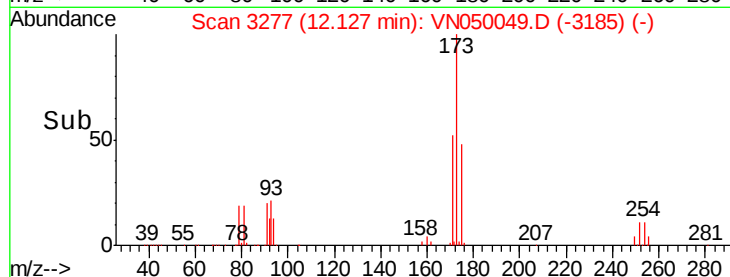
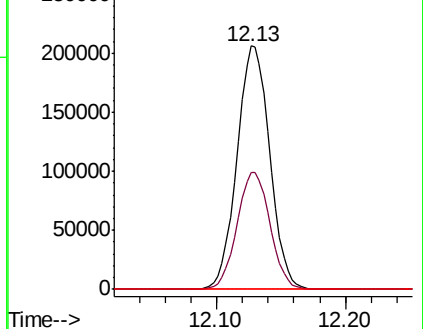
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

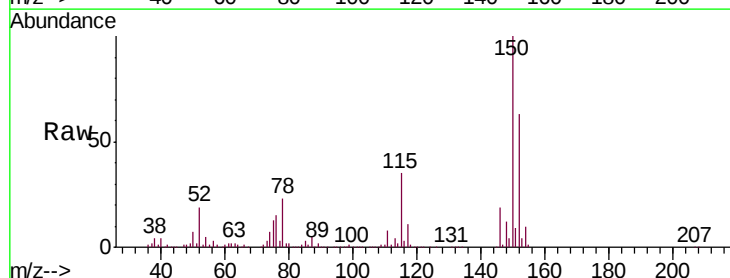
Tgt Ion:152 Resp: 532702

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

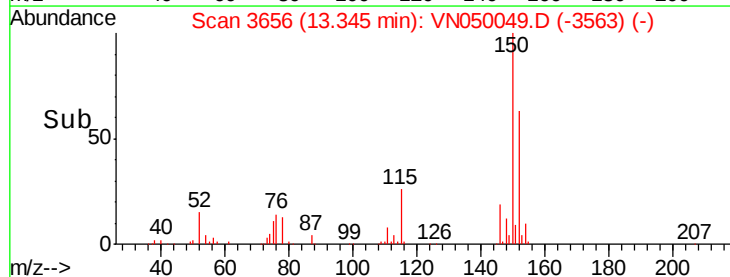
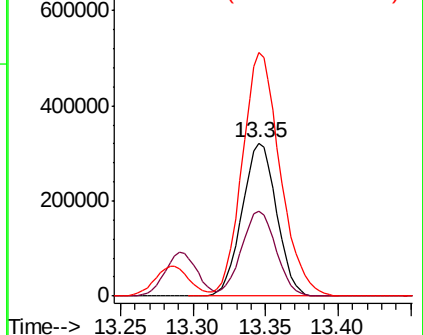
150 174.5 0.0 348.6

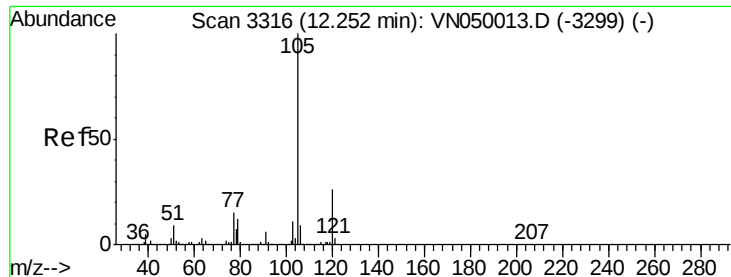


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.91 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

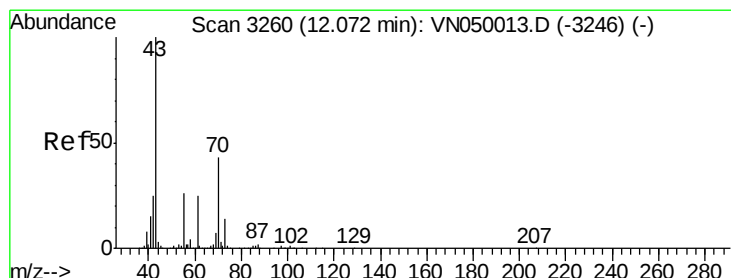
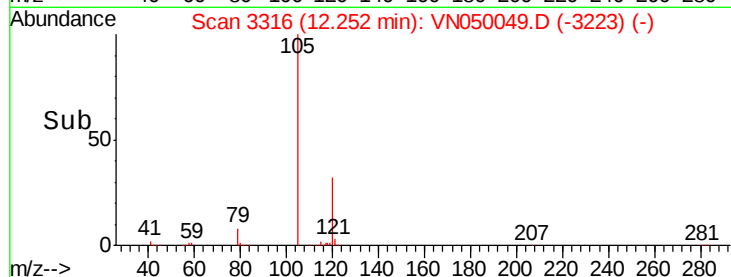
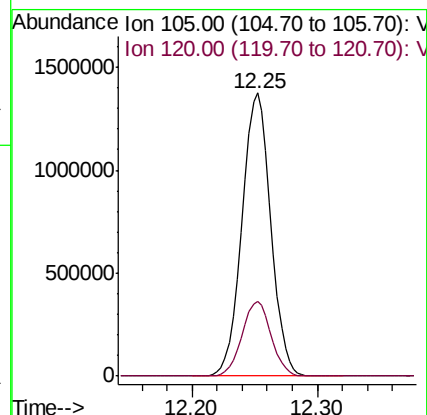
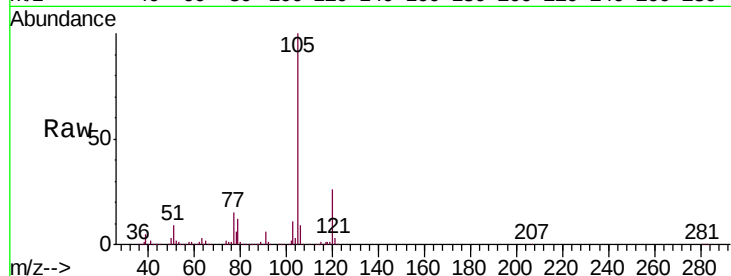
VSTDCCC050

Tot Ion:105 Resp: 2186010

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 52.20 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Tgt Ion: 43 Resp: 659060

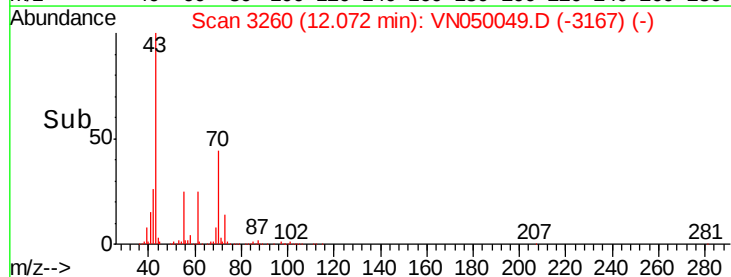
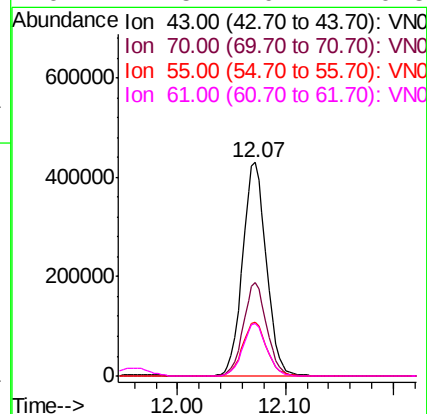
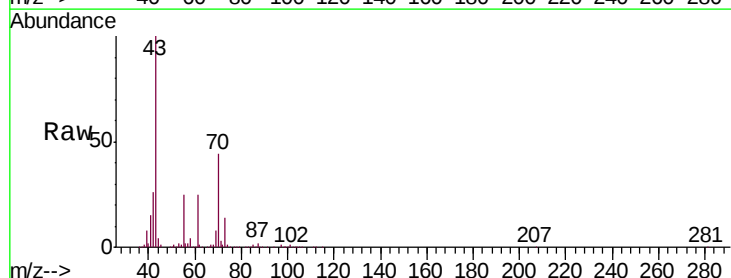
Ion Ratio Lower Upper

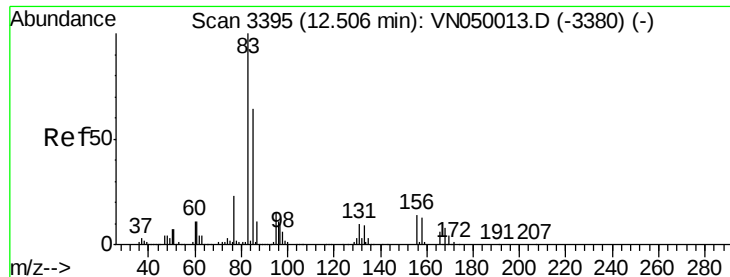
43 100

70 43.1 34.4 51.6

55 25.7 20.8 31.2

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.86 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

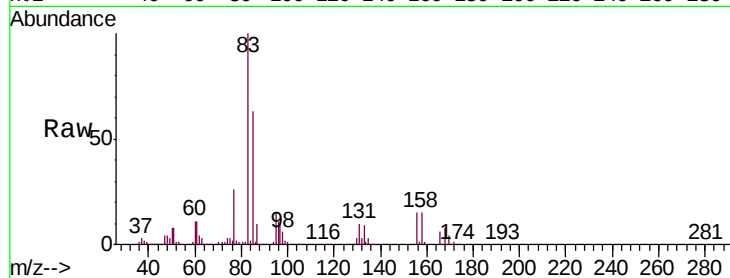
Tot Ion: 83 Resp: 582131

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

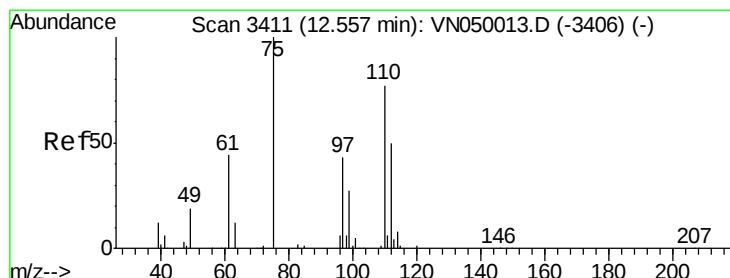
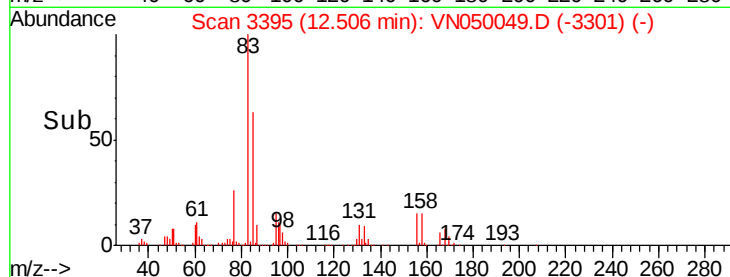
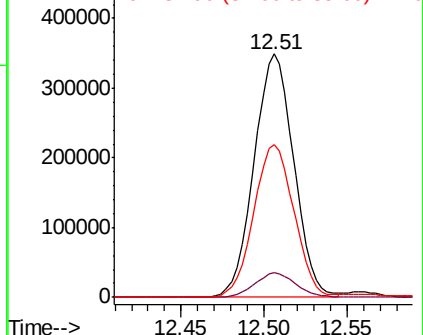
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050013.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050013.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050013.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 72.95 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050049.D

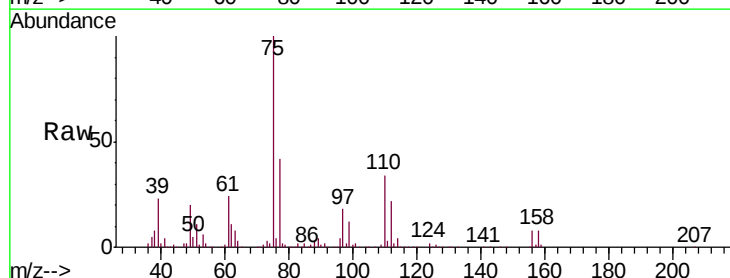
Acq: 25 Jul 2018 17:41

Tgt Ion: 75 Resp: 722245

Ion Ratio Lower Upper

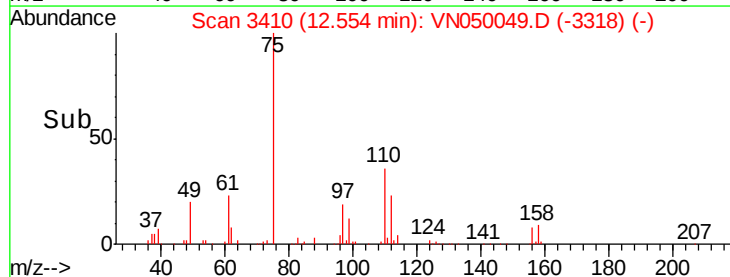
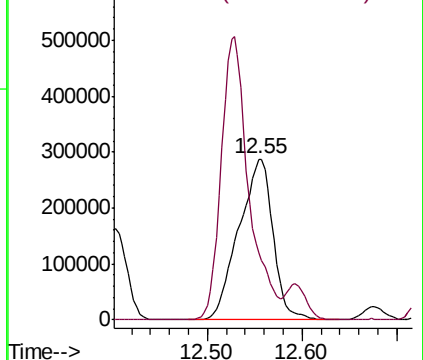
75 100

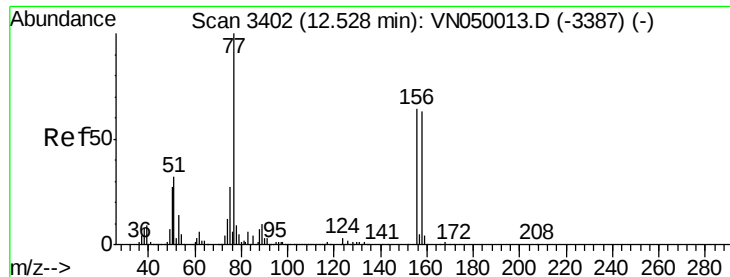
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050013.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN050013.D (-3406) (-)





#77

Bromobenzene

Concen: 49.22 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

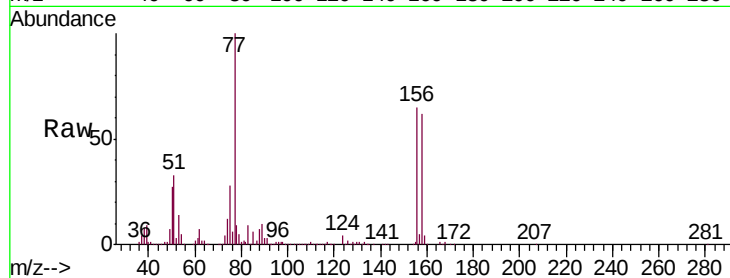
Tot Ion:156 Resp: 563592

Ion Ratio Lower Upper

156 100

77 182.4 91.7 275.1

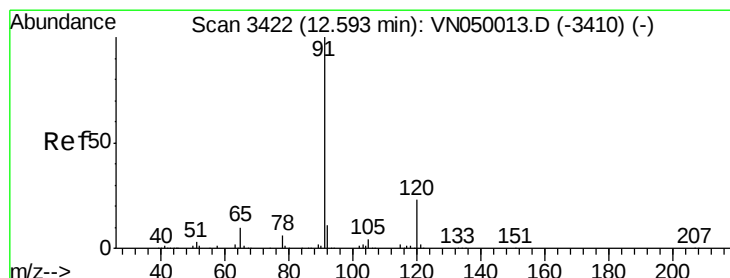
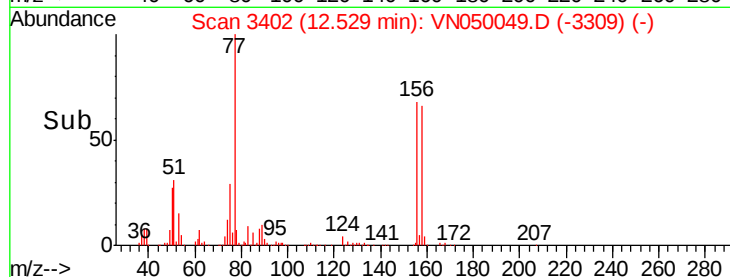
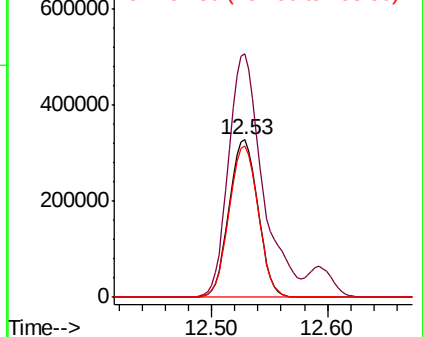
158 96.9 48.9 146.6



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: 54.93 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050049.D

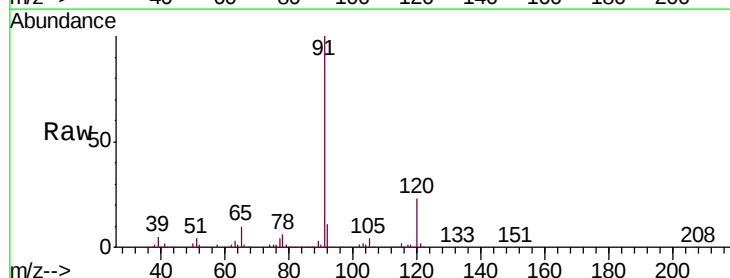
Acq: 25 Jul 2018 17:41

Tgt Ion: 91 Resp: 2536581

Ion Ratio Lower Upper

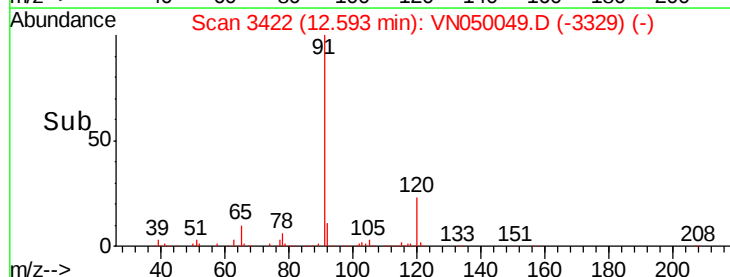
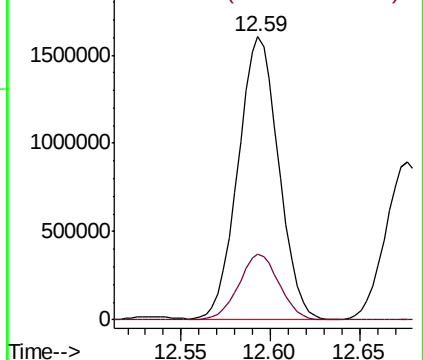
91 100

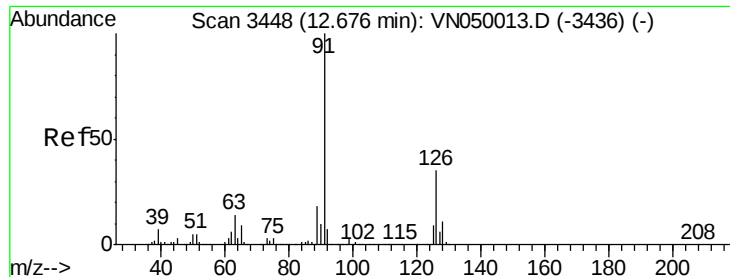
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

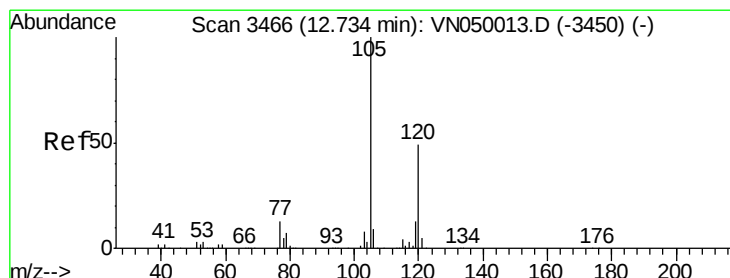
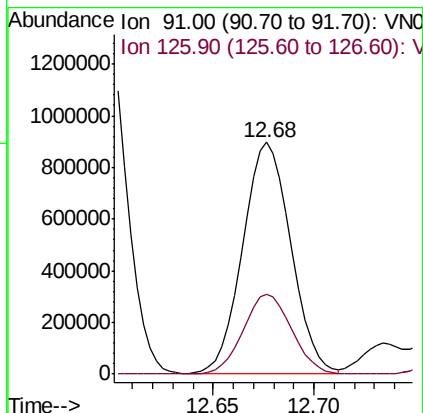
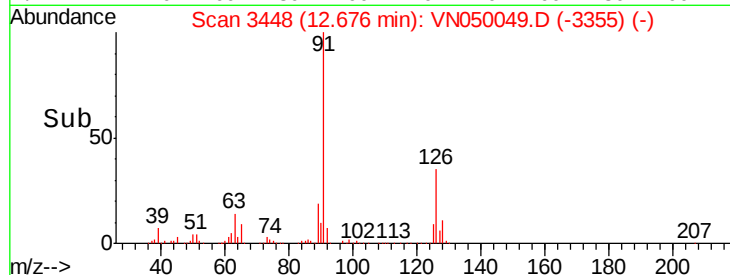
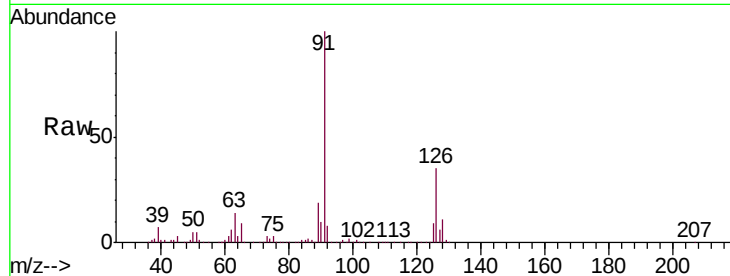
VSTDCCC050

Tot Ion: 91 Resp: 1497426

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 55.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050049.D

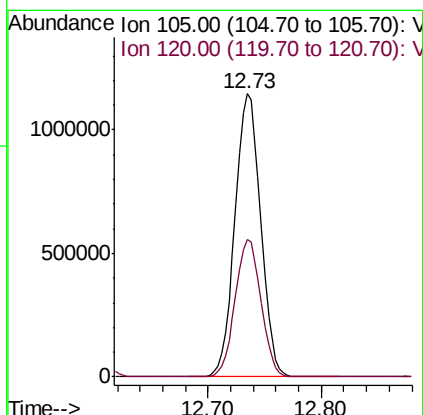
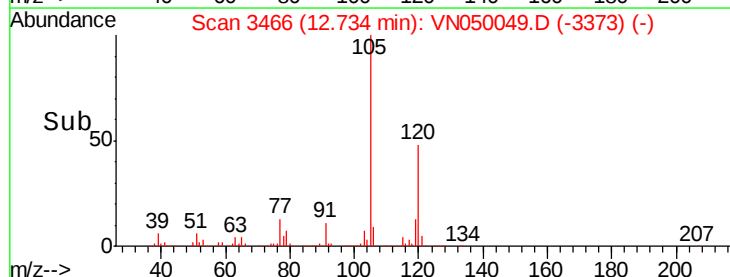
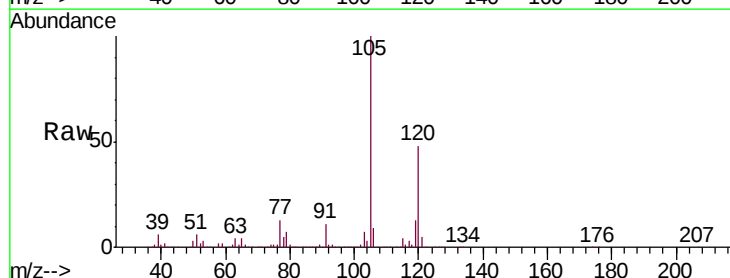
Acq: 25 Jul 2018 17:41

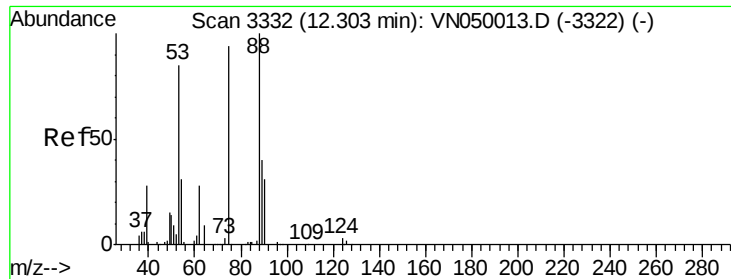
Tgt Ion: 105 Resp: 1816949

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.55 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

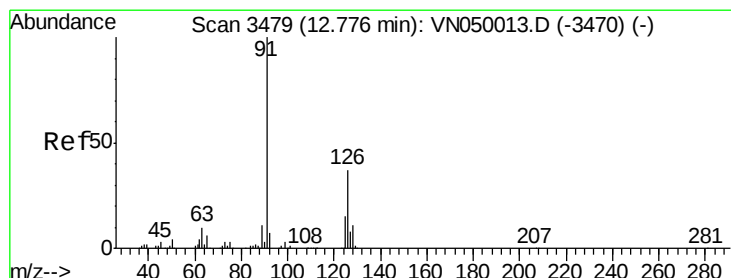
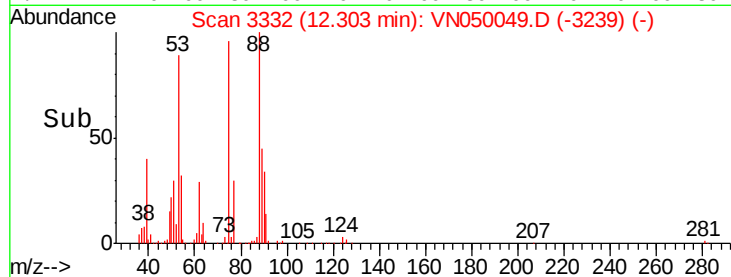
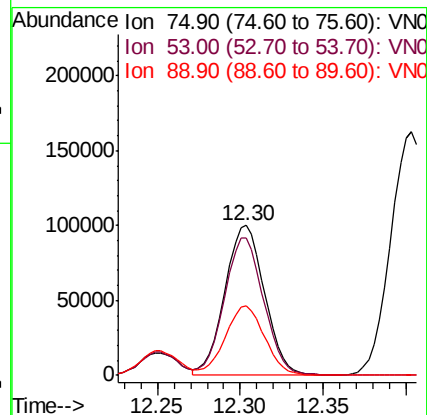
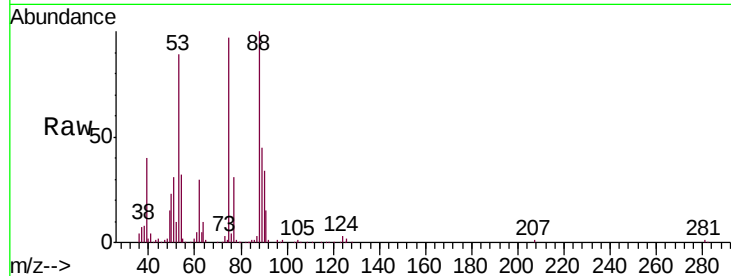
Tot Ion: 75 Resp: 167151

Ion Ratio Lower Upper

75 100

53 90.7 73.5 110.3

89 45.7 36.0 54.0



#82

4-Chlorotoluene

Concen: 53.92 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050049.D

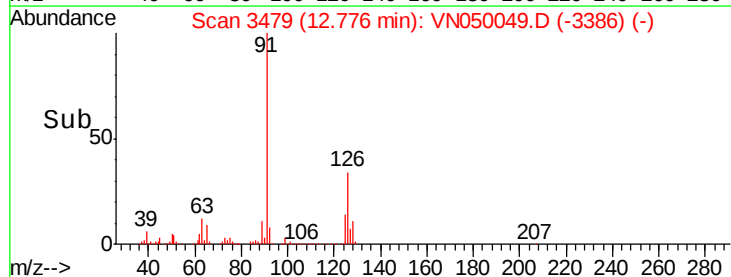
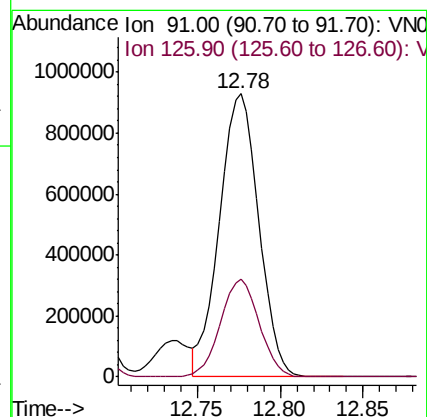
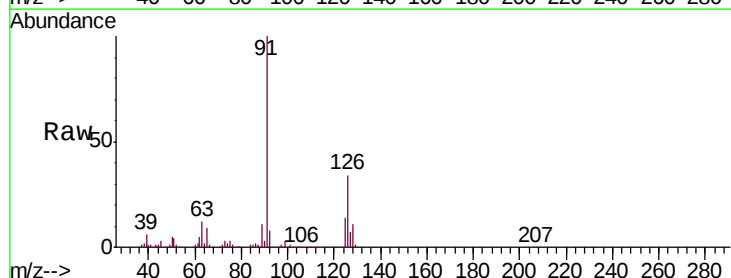
Acq: 25 Jul 2018 17:41

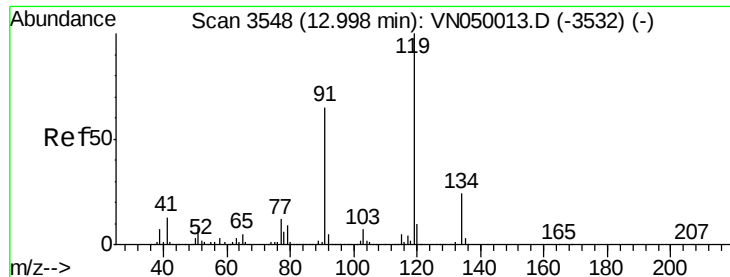
Tgt Ion: 91 Resp: 1528386

Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0

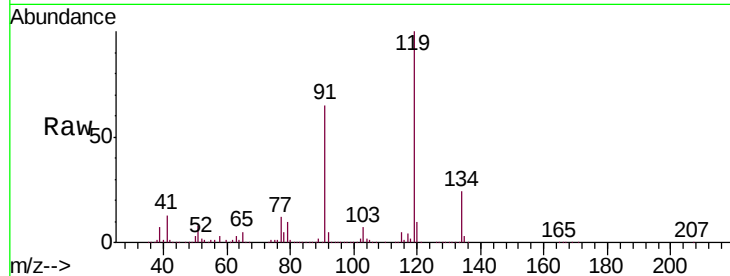




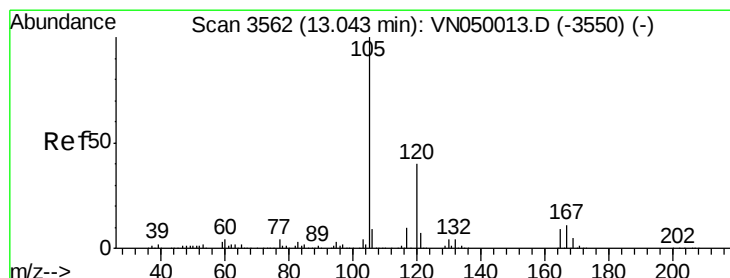
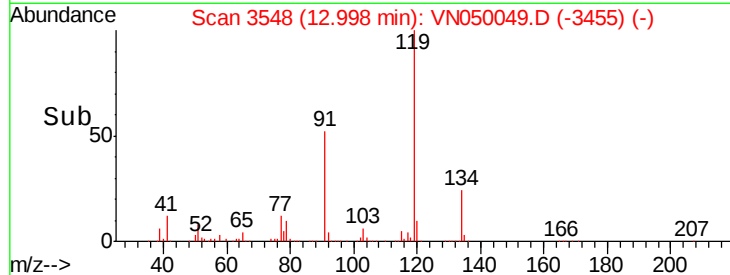
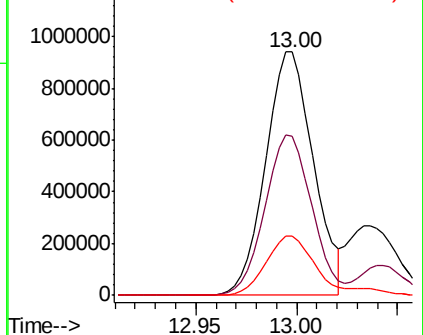
#83
 tert-Butylbenzene
 Concen: 54.64 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1549652
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.1 96.3
 134 26.4 13.2 39.5

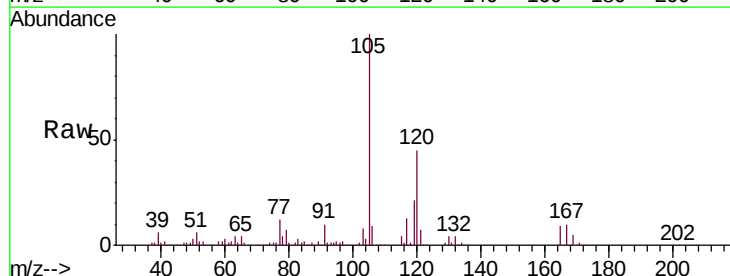


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

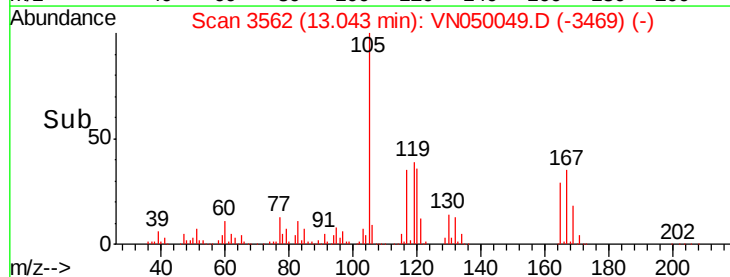
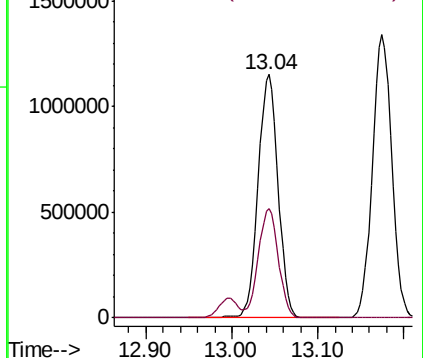


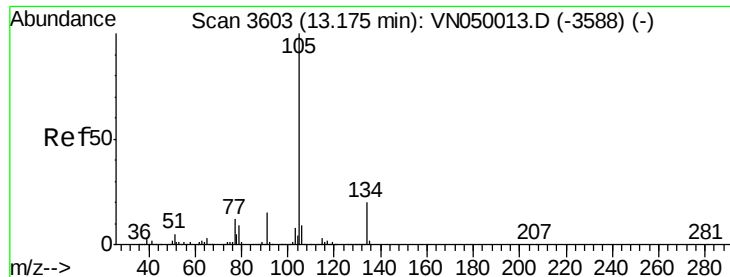
#84
 1,2,4-Trimethylbenzene
 Concen: 57.11 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion:105 Resp: 1870537
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 55.44 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

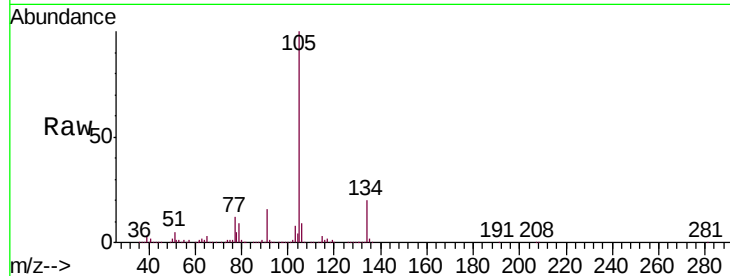
VSTDCCC050

Tot Ion:105 Resp: 2100843

Ion Ratio Lower Upper

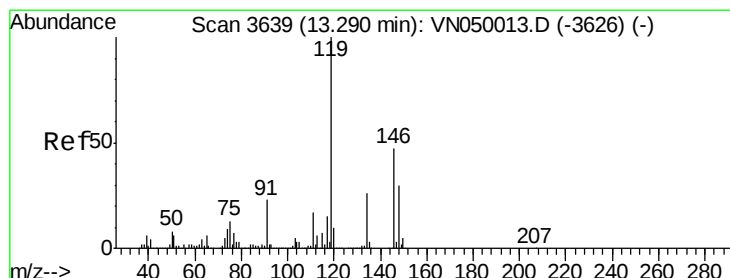
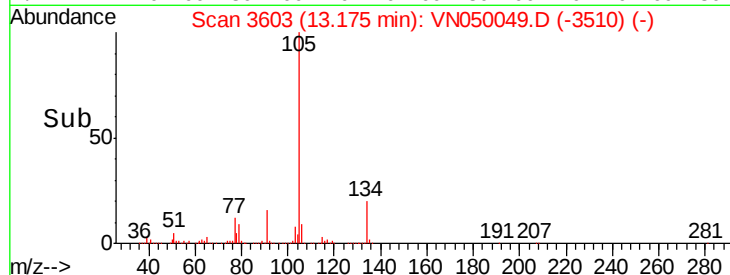
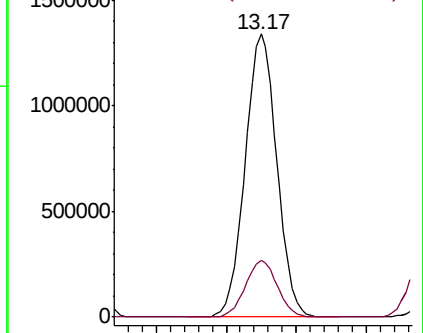
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.98 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

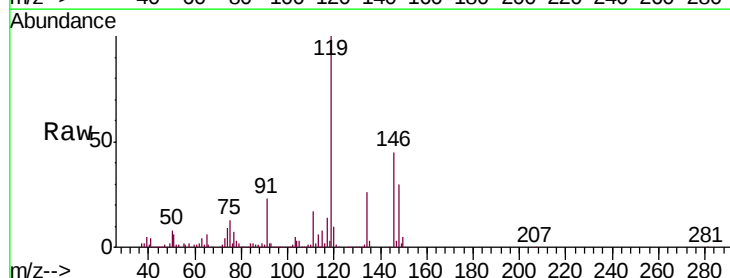
Tgt Ion:119 Resp: 1851228

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

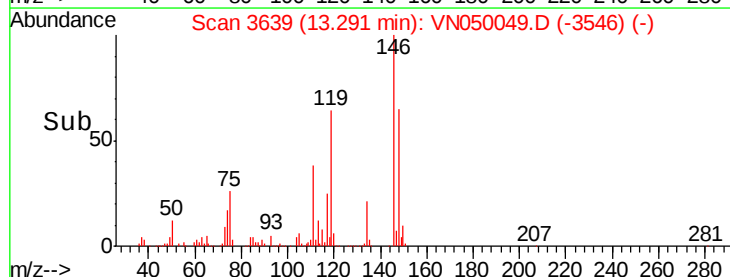
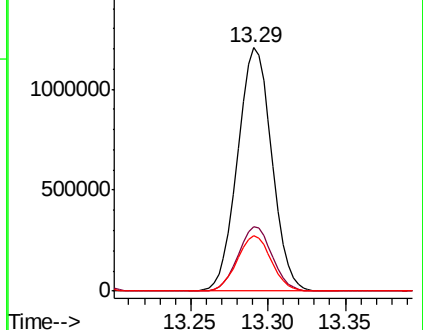
91 22.5 11.4 34.2

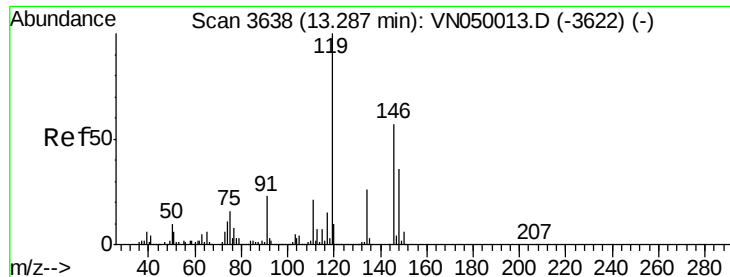


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.47 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

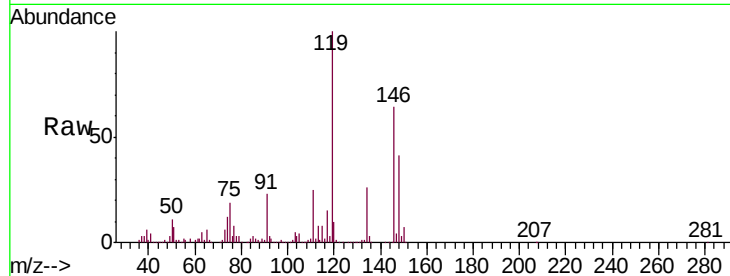
Tot Ion:146 Resp: 999161

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.4

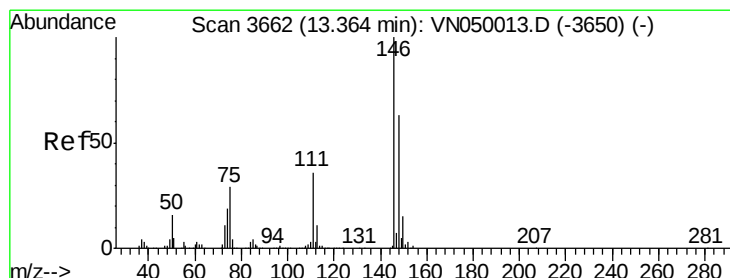
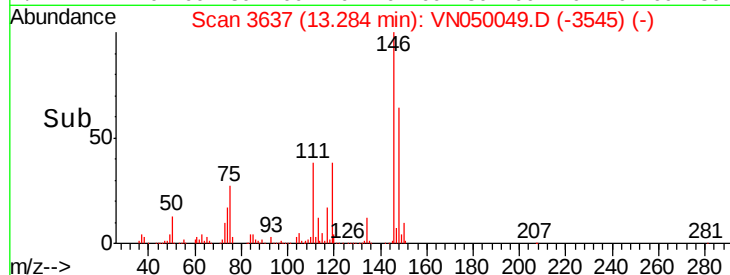
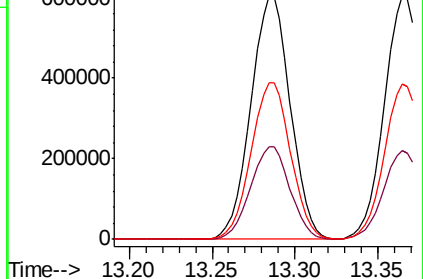
148 64.5 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 51.77 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

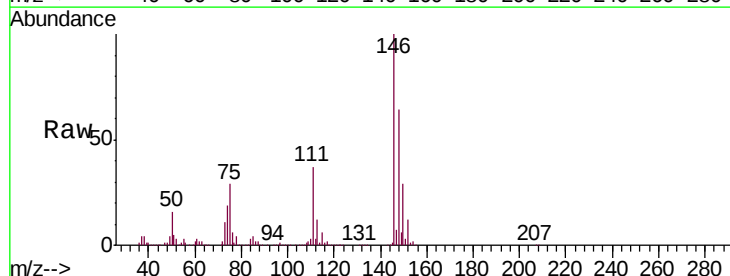
Tgt Ion:146 Resp: 979478

Ion Ratio Lower Upper

146 100

111 36.8 18.3 54.9

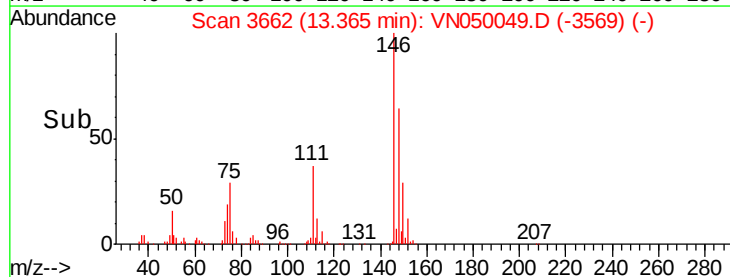
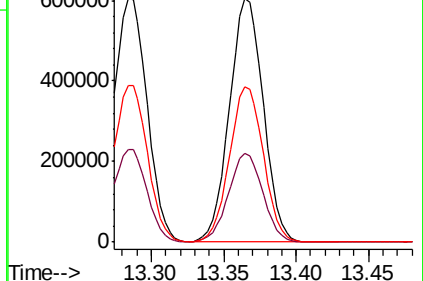
148 63.9 31.9 95.9

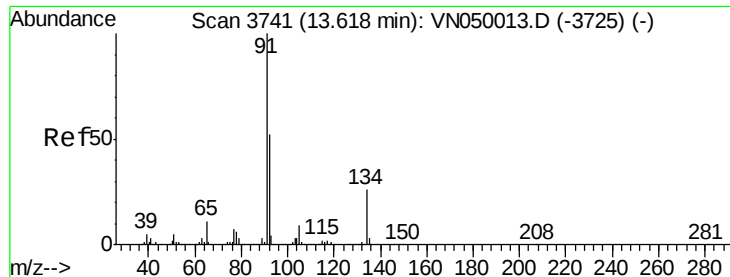


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

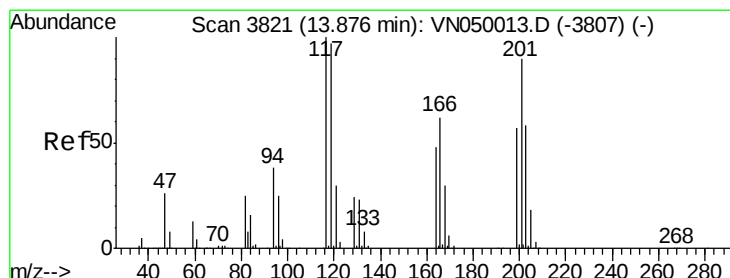
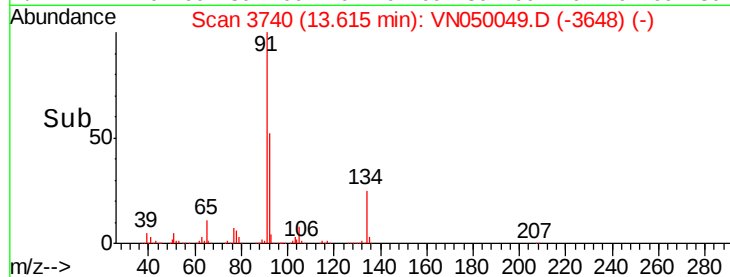
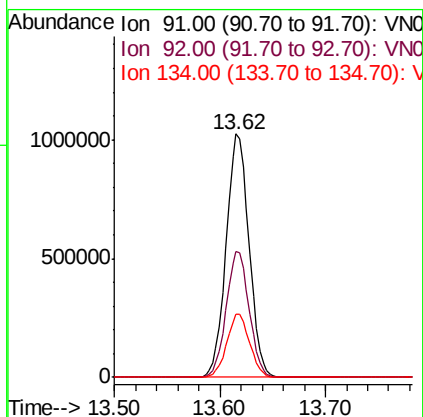
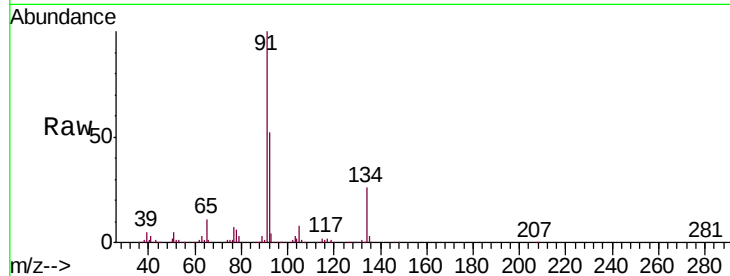




#89
n-Butylbenzene
Concen: 58.28 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

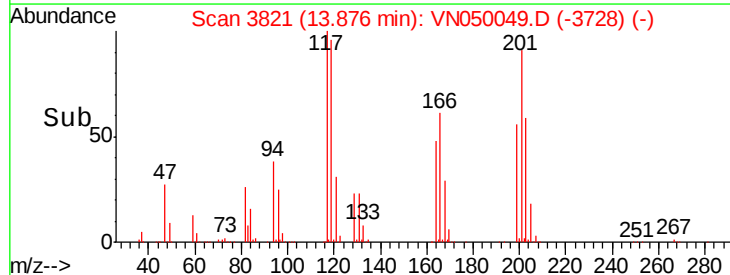
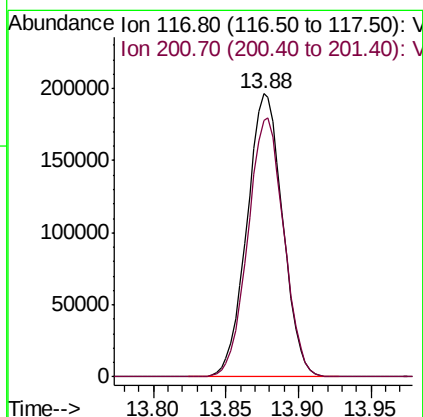
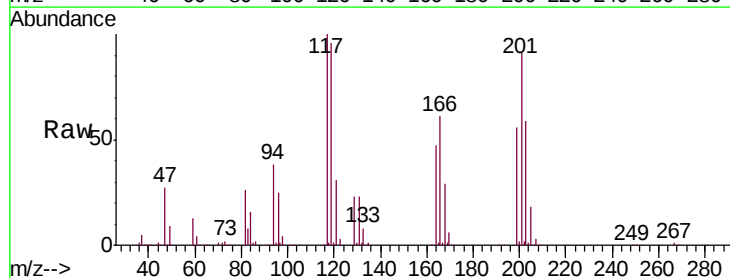
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

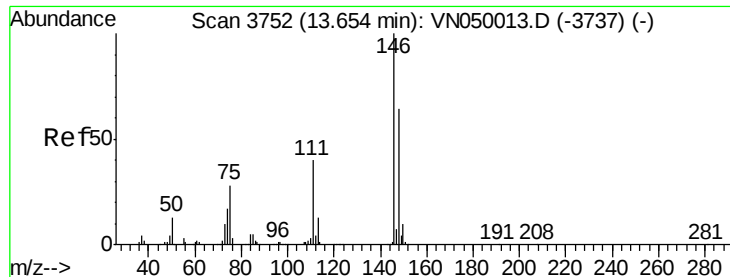
Tot Ion: 91 Resp: 1530276
Ion Ratio Lower Upper
91 100
92 51.7 25.8 77.4
134 25.9 12.8 38.4



#90
Hexachloroethane
Concen: 47.58 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050049.D
Acq: 25 Jul 2018 17:41

Tgt Ion: 117 Resp: 337344
Ion Ratio Lower Upper
117 100
201 91.6 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 50.51 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

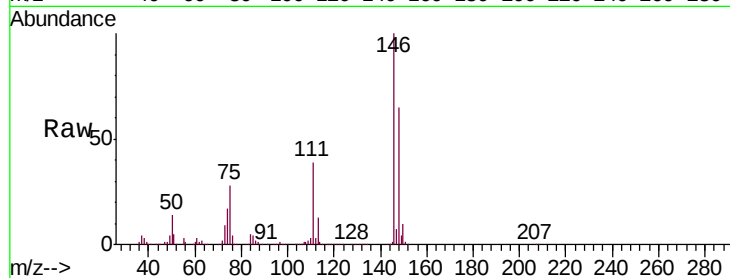
Tot Ion:146 Resp: 980154

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.7

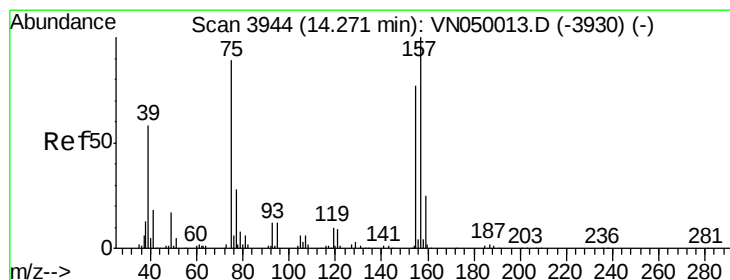
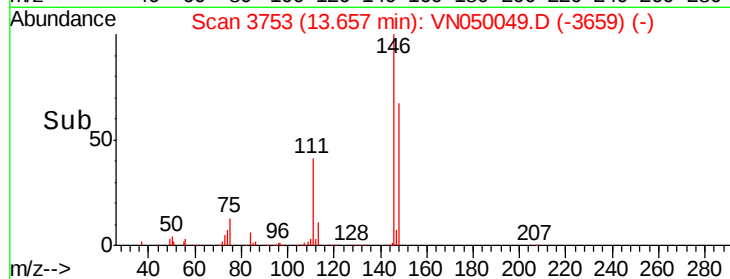
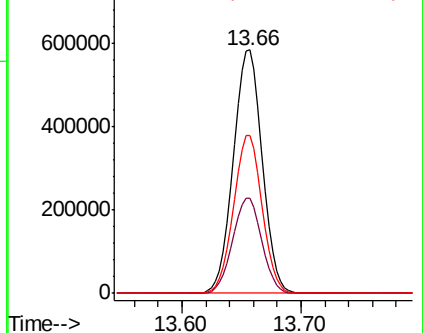
148 64.3 32.1 96.3



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: 50.87 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

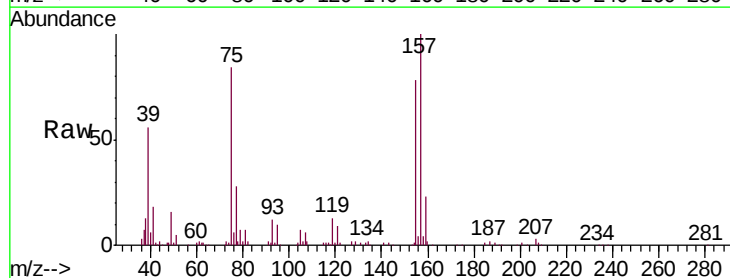
Tgt Ion: 75 Resp: 93616

Ion Ratio Lower Upper

75 100

155 91.7 44.8 134.4

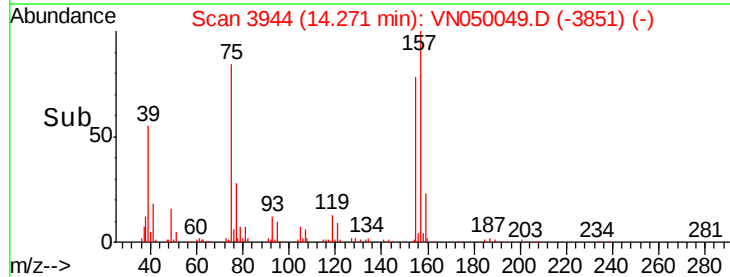
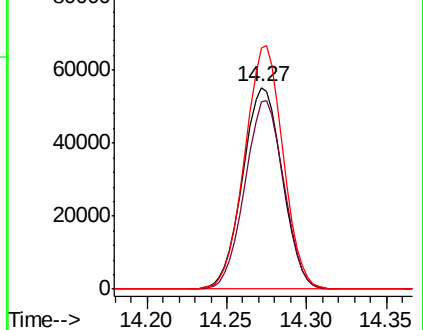
157 116.3 57.2 171.6

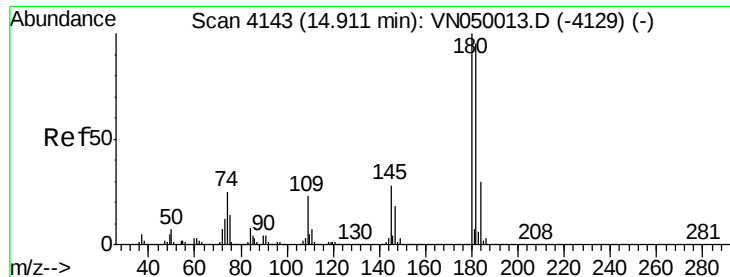


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

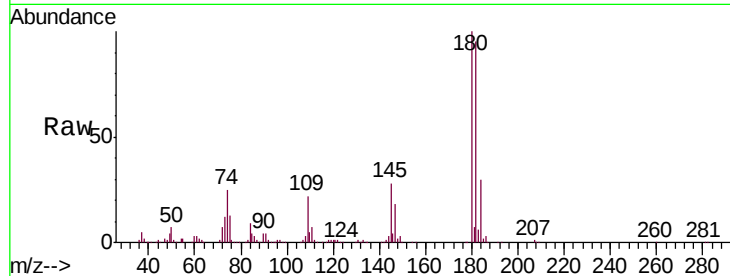




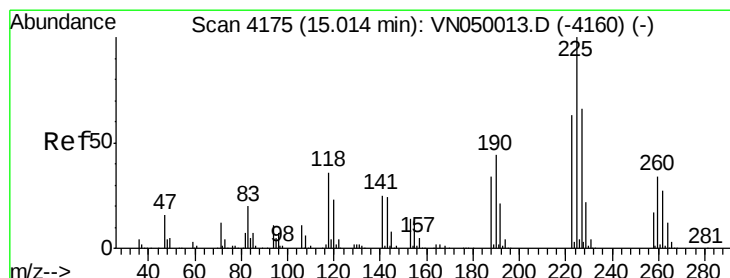
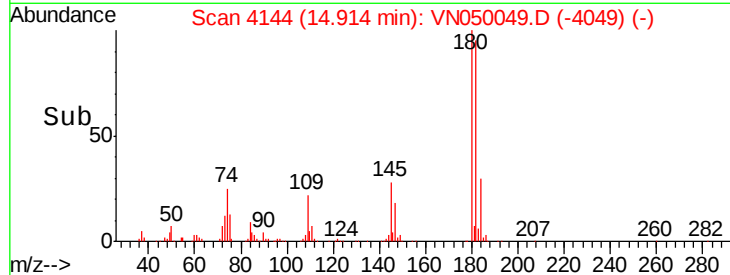
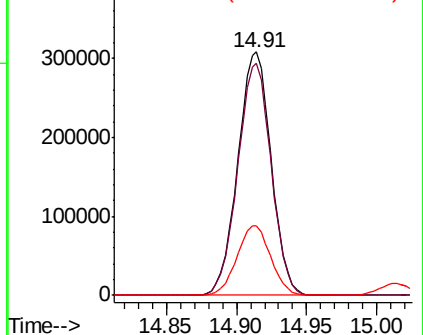
#93
 1,2,4-Trichlorobenzene
 Concen: 49.67 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 510944
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.7 140.1
 145 28.9 13.8 41.4

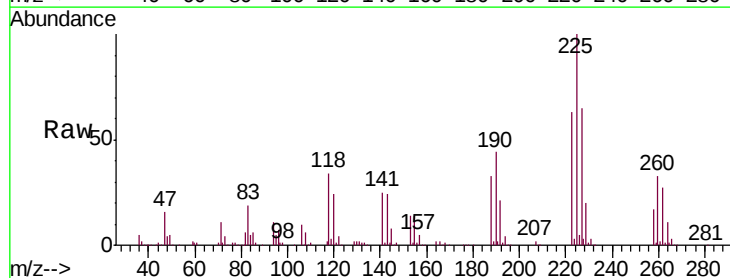


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

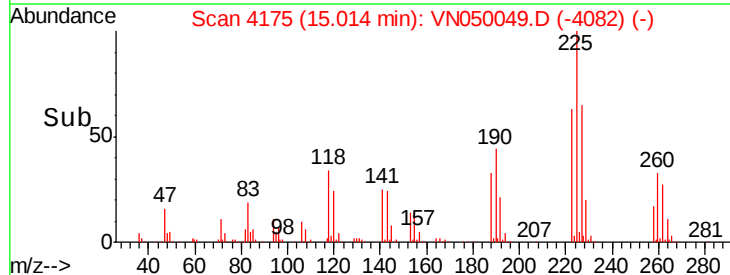
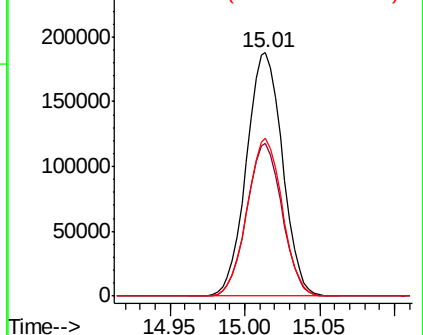


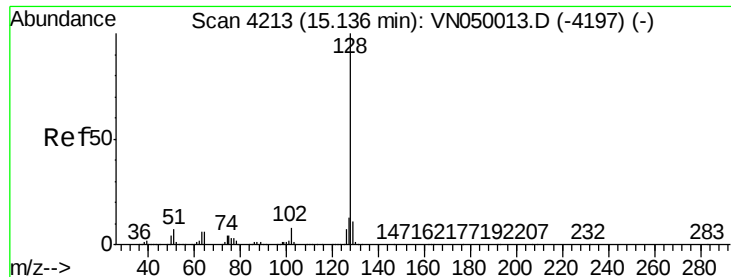
#94
 Hexachlorobutadiene
 Concen: 52.86 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050049.D
 Acq: 25 Jul 2018 17:41

Tgt Ion:225 Resp: 313975
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.2
 227 63.5 32.1 96.5



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: 46.88 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

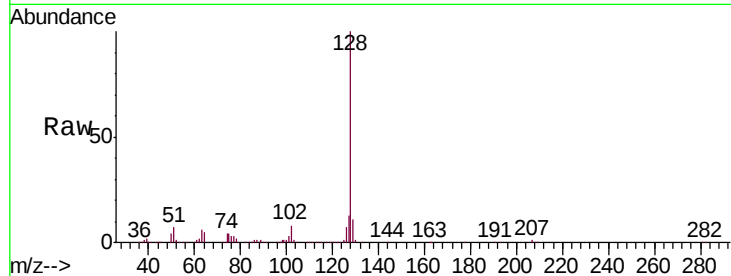
Tot Ion:128 Resp: 1133201

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

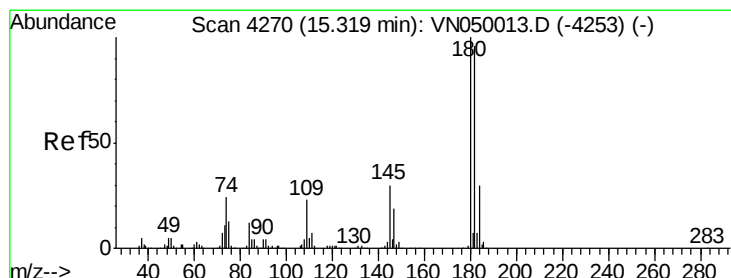
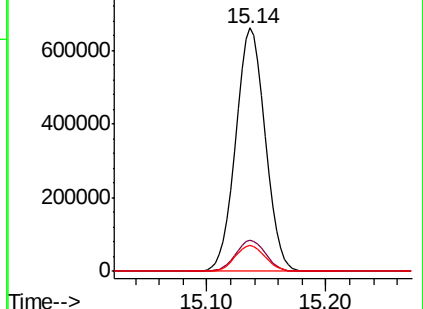
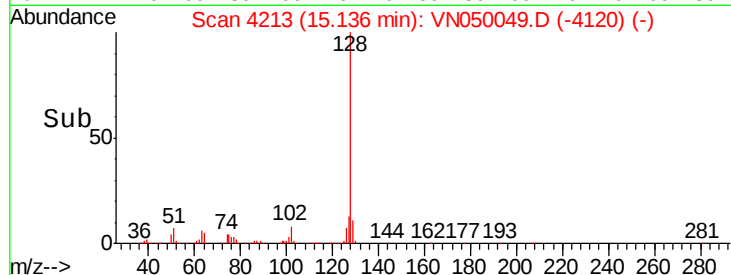
129 10.9 8.8 13.2



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: 50.58 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050049.D

Acq: 25 Jul 2018 17:41

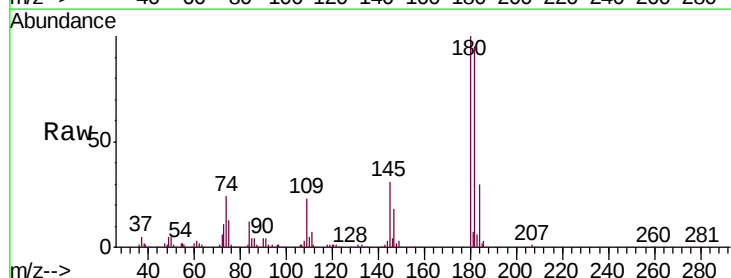
Tgt Ion:180 Resp: 507219

Ion Ratio Lower Upper

180 100

182 96.4 48.1 144.4

145 30.3 15.3 45.9



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

