

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051446.D
 Acq On : 24 Sep 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 01:53:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	691009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	333018	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	311102	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.59	113	275758	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1039544	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	338810	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	221022	45.750	ug/l	99
3) Chloromethane	2.06	50	369445	48.039	ug/l	98
4) Vinyl Chloride	2.18	62	404120	47.610	ug/l	98
5) Bromomethane	2.56	94	239935	47.172	ug/l	100
6) Chloroethane	2.70	64	252727	47.783	ug/l	98
7) Trichlorofluoromethane	3.01	101	520823	46.845	ug/l	99
8) Diethyl Ether	3.41	74	145946	41.419	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	276050	43.994	ug/l	98
10) Methyl Iodide	3.95	142	369900	44.408	ug/l	97
11) Tert butyl alcohol	4.78	59	73897	201.852	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	236491	41.047	ug/l	99
13) Acrolein	3.61	56	74813	205.794	ug/l	98
14) Allyl chloride	4.32	41	415460	42.980	ug/l	99
15) Acrylonitrile	4.99	53	432609	217.228	ug/l	98
16) Acetone	3.82	43	336348	231.552	ug/l	99
17) Carbon Disulfide	4.05	76	718732	42.461	ug/l	100
18) Methyl Acetate	4.32	43	218092	44.146	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	663411	44.653	ug/l	98
20) Methylene Chloride	4.55	84	290232	45.215	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	265641	45.071	ug/l	99
22) Diisopropyl ether	5.95	45	901519	48.248	ug/l	98
23) Vinyl Acetate	5.90	43	2842294	231.700	ug/l	99
24) 1,1-Dichloroethane	5.85	63	522119	46.833	ug/l	99
25) 2-Butanone	6.84	43	506885	228.301	ug/l	96
26) 2,2-Dichloropropane	6.82	77	438372	50.373	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	299567	46.322	ug/l	97
28) Bromochloromethane	7.19	49	253937	49.324	ug/l	98
29) Tetrahydrofuran	7.21	42	317890	225.935	ug/l	98
30) Chloroform	7.37	83	531927	48.152	ug/l	99
31) Cyclohexane	7.65	56	469210	45.937	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	457264	48.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	402483	50.298	ug/l	98
37) Ethyl Acetate	6.93	43	219399	47.686	ug/l	99
38) Carbon Tetrachloride	7.77	117	421688	50.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	473557	50.624	ug/l	97
40) Benzene	8.04	78	1181151	50.271	ug/l	100
41) Methacrylonitrile	7.17	41	96366	37.859	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	381194	50.668	ug/l	99
43) Isopropyl Acetate	8.16	43	418431	50.295	ug/l	96
44) Trichloroethene	8.83	130	305012	48.875	ug/l	99
45) 1,2-Dichloropropane	9.12	63	321624	50.357	ug/l	99
46) Dibromomethane	9.21	93	182863	50.673	ug/l	98
47) Bromodichloromethane	9.40	83	407701	51.052	ug/l	100
48) Methyl methacrylate	9.20	41	201272	48.524	ug/l	99
49) 1,4-Dioxane	9.20	88	47291	930.294	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1098820	240.154	ug/l	100
52) Toluene	10.16	92	732624	50.174	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	403927	50.099	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	471943	50.476	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257032	49.808	ug/l	99
56) Ethyl methacrylate	10.43	69	310145	49.157	ug/l	99
57) 1,3-Dichloropropane	10.71	76	440657	49.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	811674	238.717	ug/l	100
59) 2-Hexanone	10.75	43	743734	250.744	ug/l	98
60) Dibromochloromethane	10.90	129	306972	50.417	ug/l	99
61) 1,2-Dibromoethane	11.00	107	248135	49.532	ug/l	98
64) Tetrachloroethene	10.63	164	301811	52.551	ug/l	99
65) Chlorobenzene	11.43	112	789303	48.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	310570	50.207	ug/l	99
67) Ethyl Benzene	11.51	91	1376839	50.318	ug/l	100
68) m/p-Xylenes	11.62	106	1089302	102.920	ug/l	100
69) o-Xylene	11.95	106	504178	49.552	ug/l	97
70) Styrene	11.96	104	828848	51.408	ug/l	100
71) Bromoform	12.13	173	198916	47.391	ug/l	100
73) Isopropylbenzene	12.25	105	1382472	49.202	ug/l	100
74) N-amyl acetate	12.07	43	325363	46.151	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	299697	45.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	374868	67.809	ug/l #	100
77) Bromobenzene	12.53	156	337243	47.412	ug/l	99
78) n-propylbenzene	12.59	91	1599001	50.494	ug/l	99
79) 2-Chlorotoluene	12.67	91	932915	49.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1169974	51.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	82886	46.102	ug/l	97
82) 4-Chlorotoluene	12.77	91	940165	49.693	ug/l	99
83) tert-Butylbenzene	12.99	119	1010753	49.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1181042	51.156	ug/l	99
85) sec-Butylbenzene	13.17	105	1390205	50.391	ug/l	100
86) p-Isopropyltoluene	13.29	119	1220142	51.112	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	603297	49.012	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	580598	49.022	ug/l	98
89) n-Butylbenzene	13.61	91	998855	50.884	ug/l	99
90) Hexachloroethane	13.87	117	229186	48.185	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	575651	48.199	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43105	46.098	ug/l	94

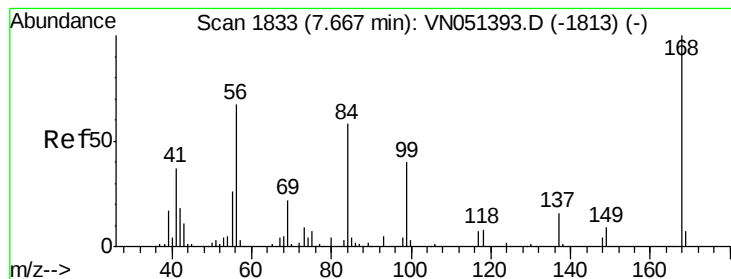
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	278902	44.115	ug/l	100
94) Hexachlorobutadiene	15.01	225	223978	49.566	ug/l	98
95) Naphthalene	15.13	128	464093	39.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	270451	47.187	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

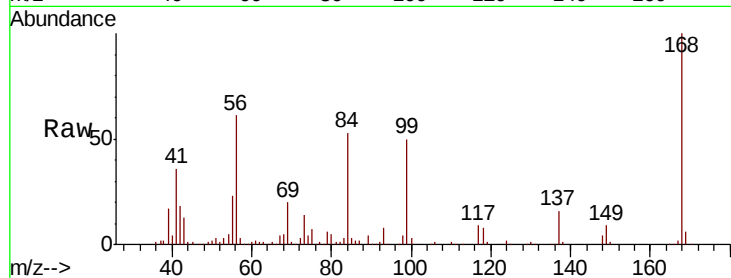
VSTDCCC050

Tot Ion:168 Resp: 517829

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

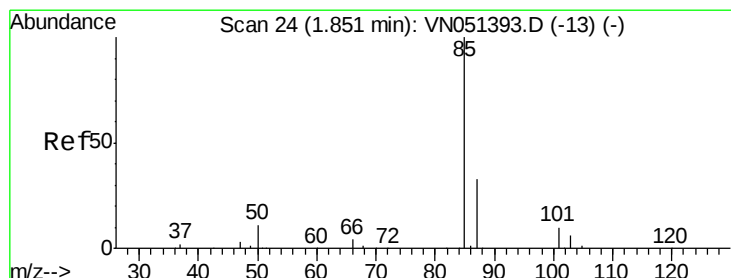
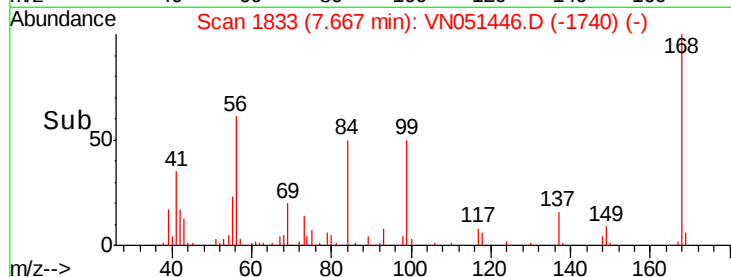
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.750 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051446.D

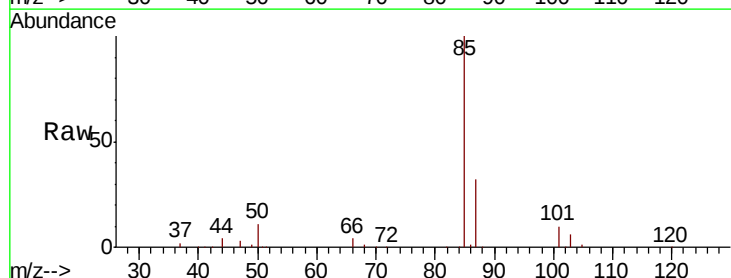
Acq: 24 Sep 2018 8:26

Tgt Ion: 85 Resp: 221022

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

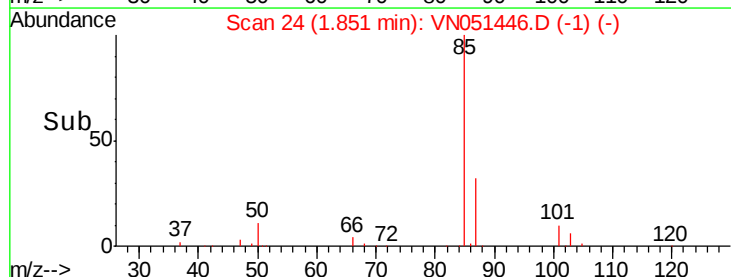
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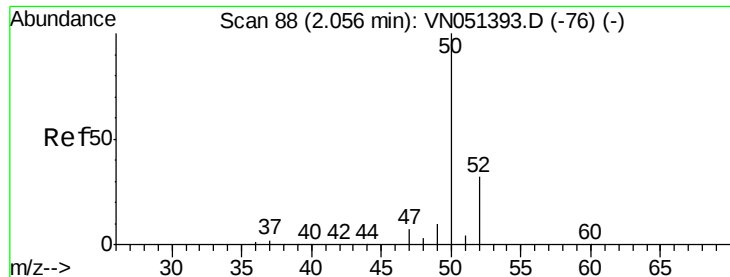
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.039 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

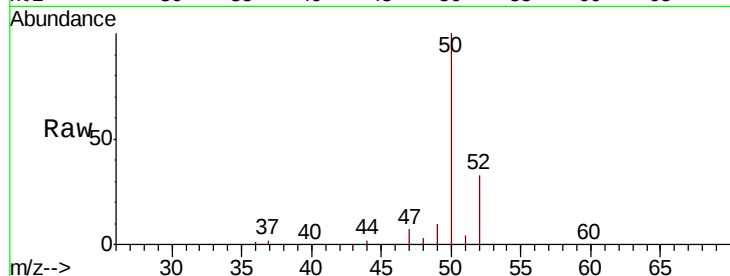
VSTDCCC050

Tot Ion: 50 Resp: 369445

Ion Ratio Lower Upper

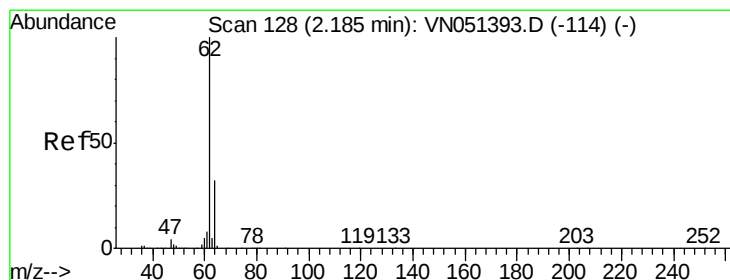
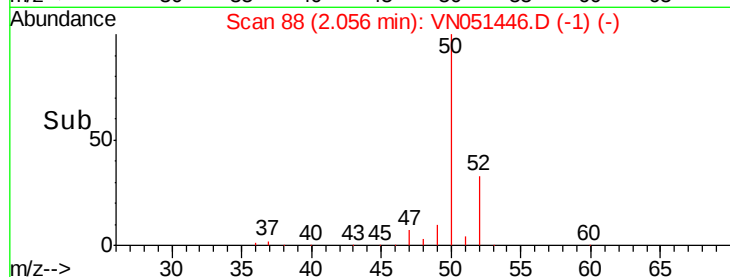
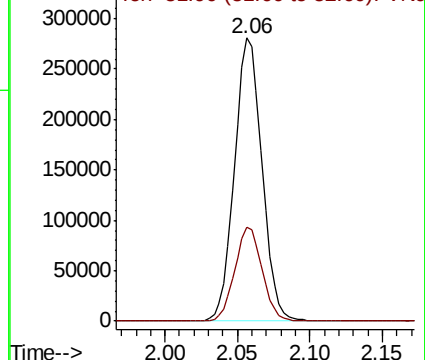
50 100

52 33.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.610 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051446.D

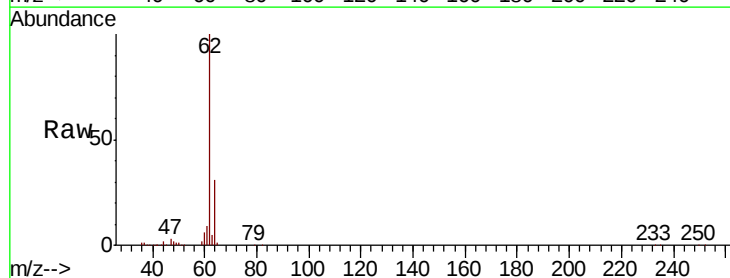
Acq: 24 Sep 2018 8:26

Tgt Ion: 62 Resp: 404120

Ion Ratio Lower Upper

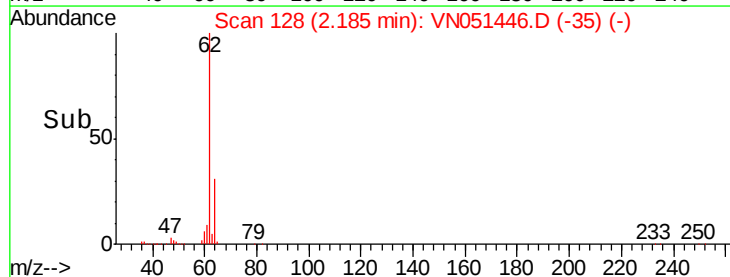
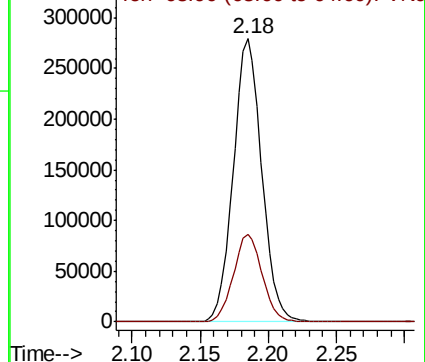
62 100

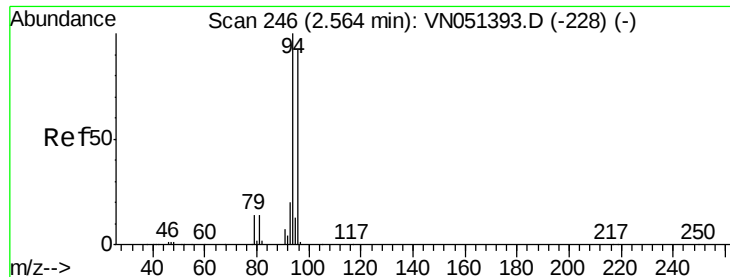
64 30.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.172 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

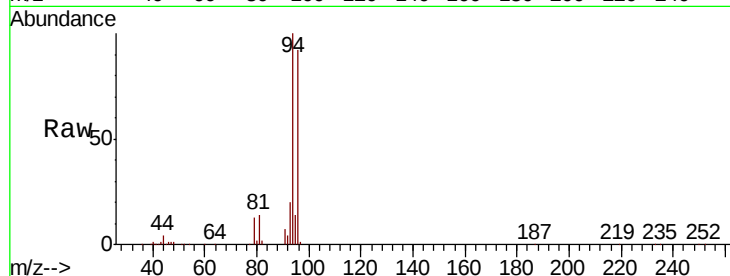
VSTDCCC050

Tot Ion: 94 Resp: 239935

Ion Ratio Lower Upper

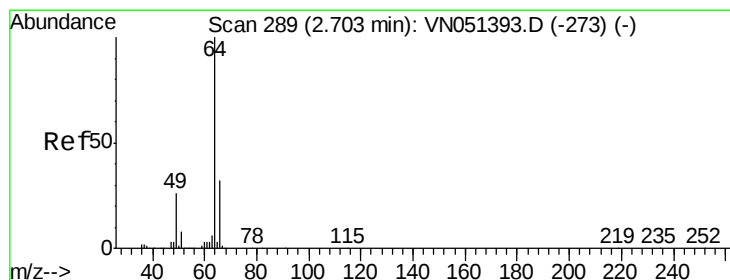
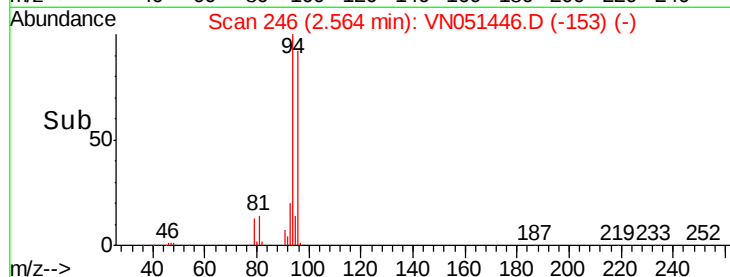
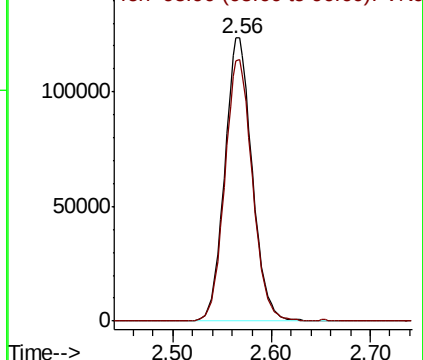
94 100

96 92.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.783 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051446.D

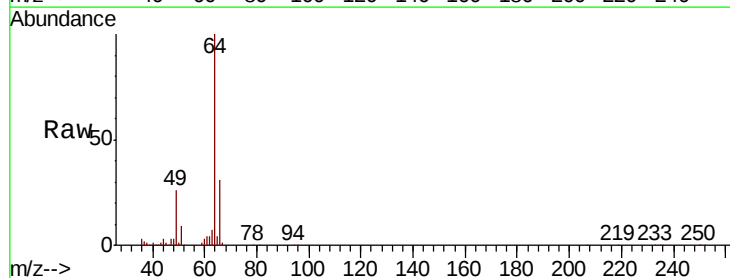
Acq: 24 Sep 2018 8:26

Tgt Ion: 64 Resp: 252727

Ion Ratio Lower Upper

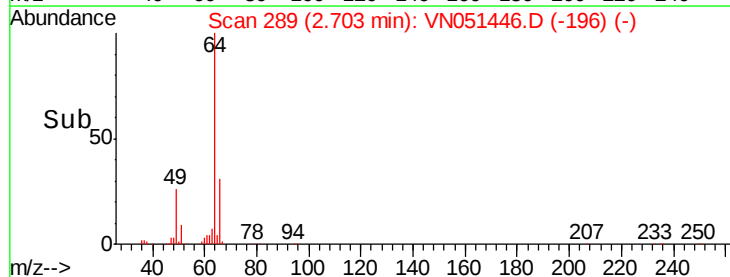
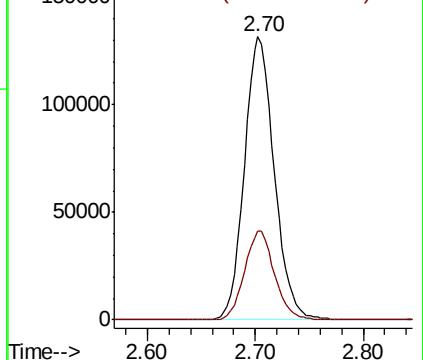
64 100

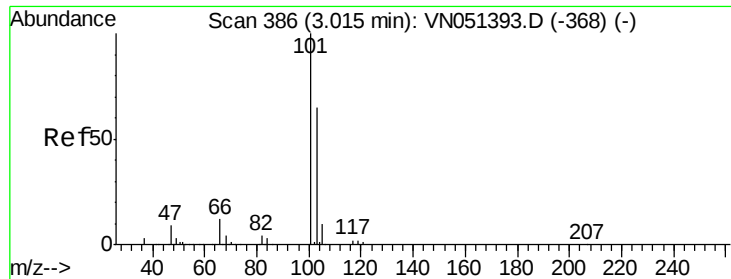
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



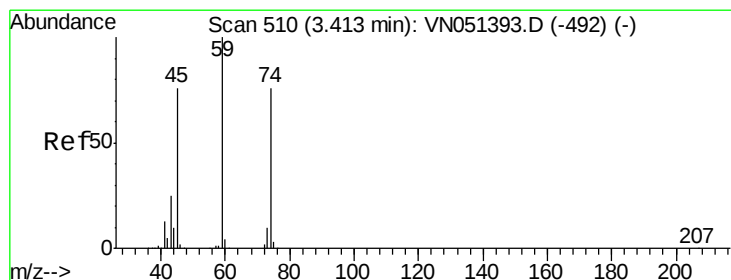
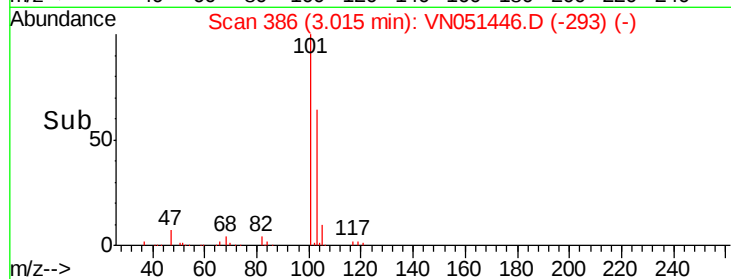
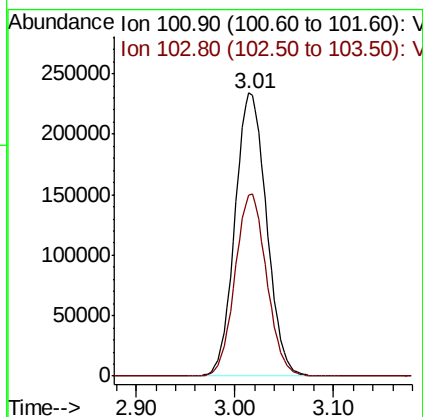
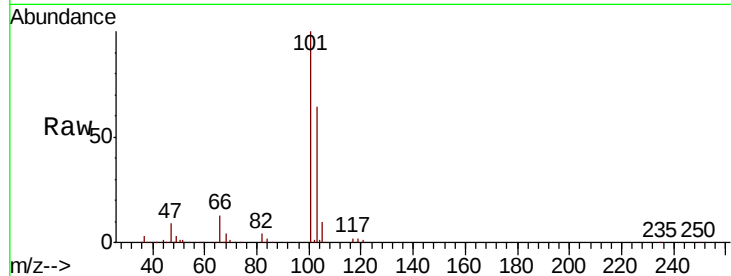


#7

Trichlorofluoromethane
 Concen: 46.845 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

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 VSTDCCC050

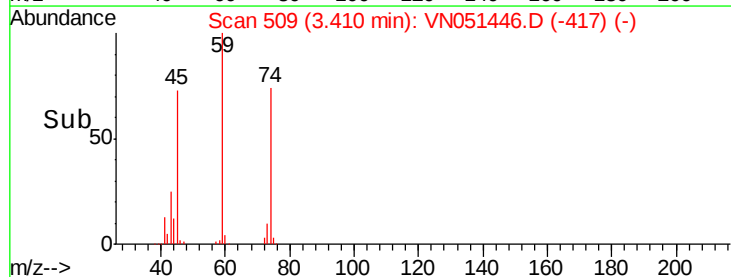
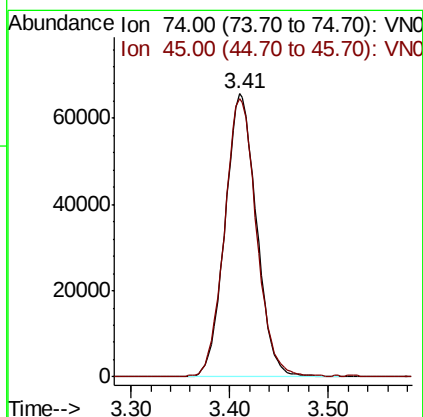
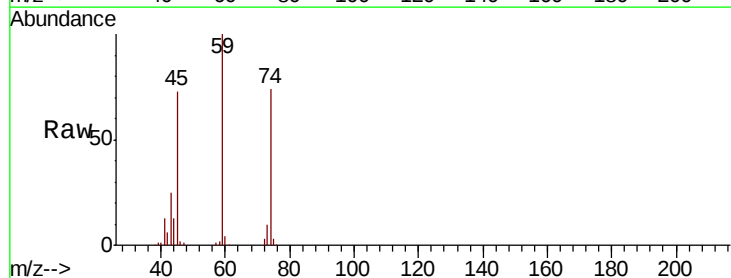
Tot Ion:101 Resp: 520823
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.8

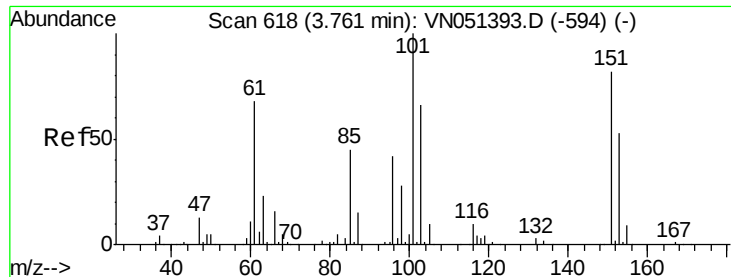


#8

Diethyl Ether
 Concen: 41.419 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 74 Resp: 145946
 Ion Ratio Lower Upper
 74 100
 45 100.1 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.994 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

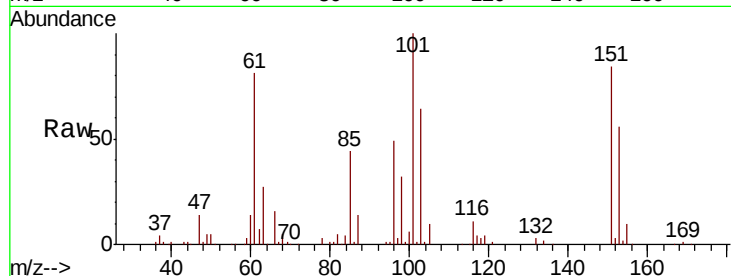
Tot Ion:101 Resp: 276050

Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

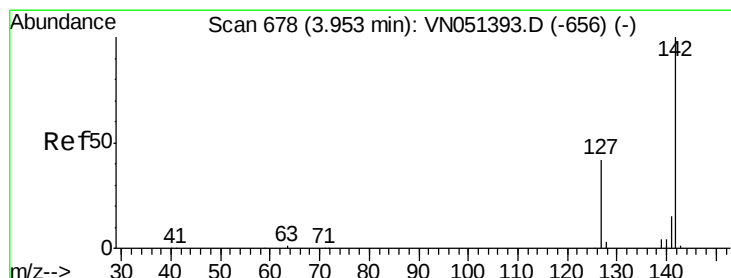
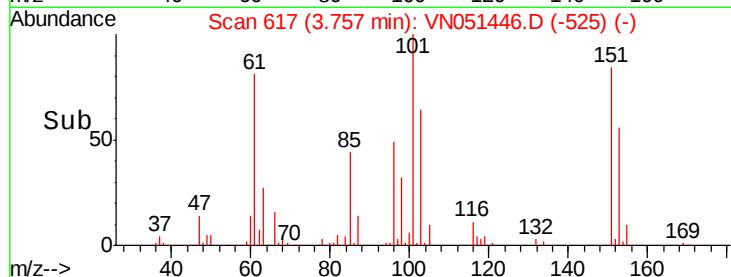
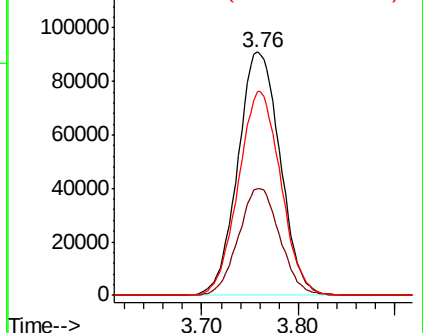
151 83.9 65.2 97.8



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: 44.408 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

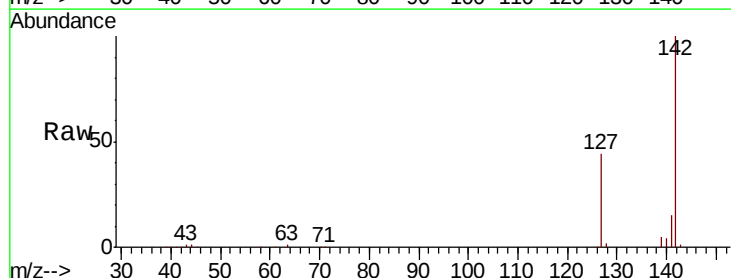
Tgt Ion:142 Resp: 369900

Ion Ratio Lower Upper

142 100

127 43.8 33.2 49.8

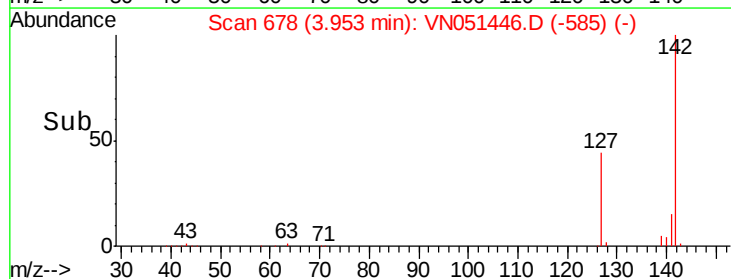
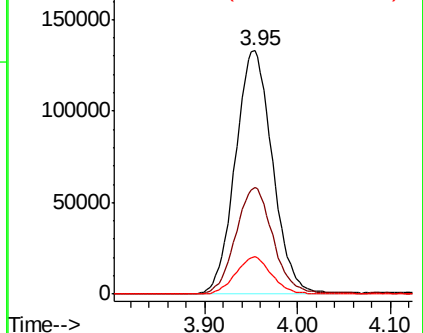
141 14.8 11.5 17.3

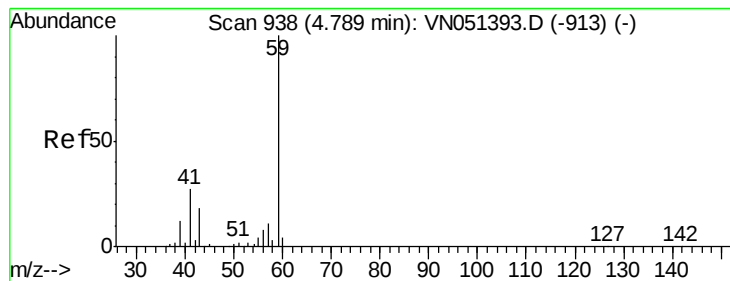


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



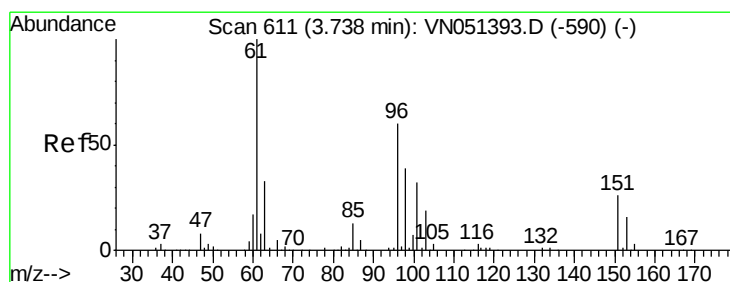
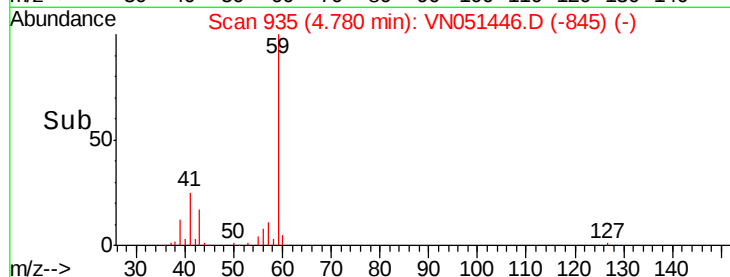
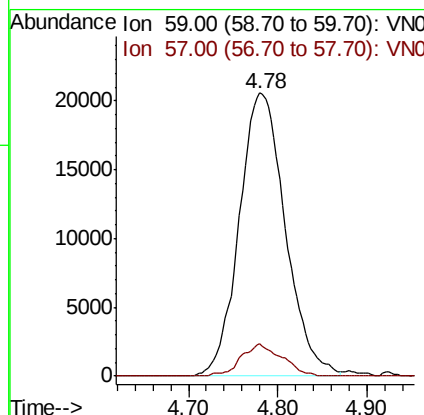
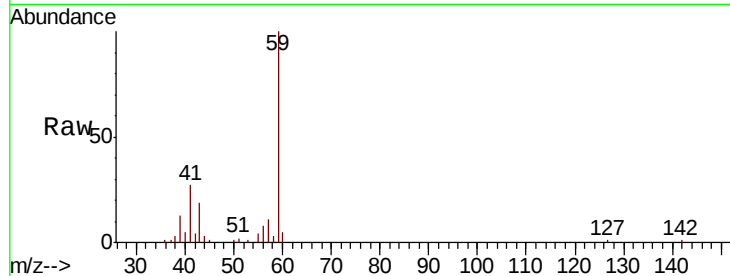


#11

Tert butyl alcohol
 Concen: 201.852 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

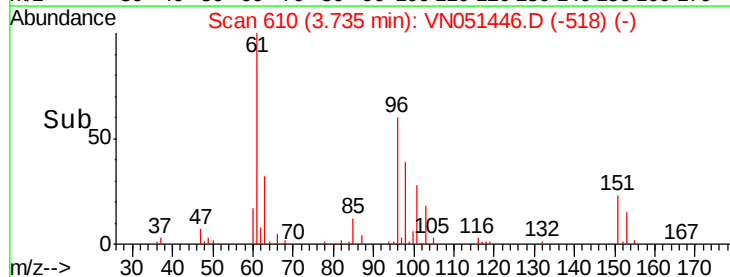
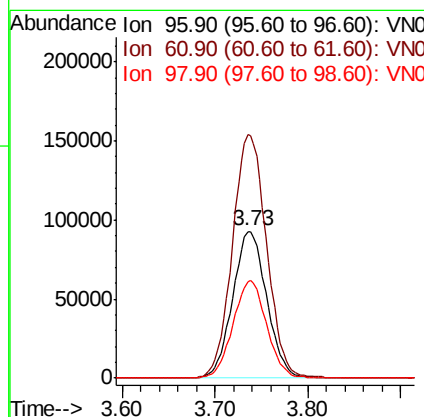
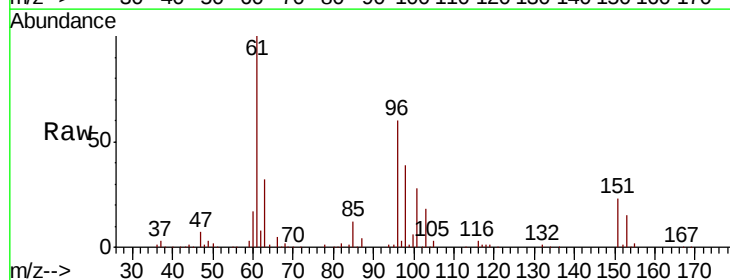
Tot Ion: 59 Resp: 73897
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.2 9.2#

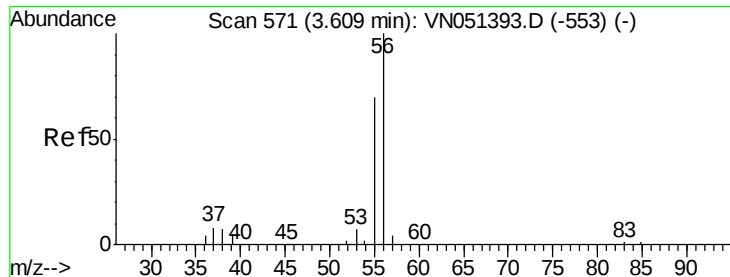


#12

1,1-Dichloroethene
 Concen: 41.047 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 96 Resp: 236491
 Ion Ratio Lower Upper
 96 100
 61 165.7 133.6 200.4
 98 65.2 52.2 78.2





#13

Acrolein

Concen: 205.794 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

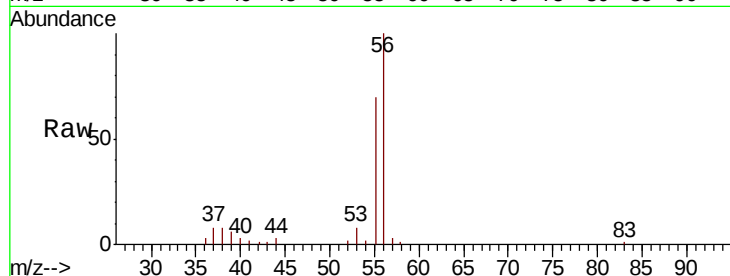
VSTDCCC050

Tot Ion: 56 Resp: 74813

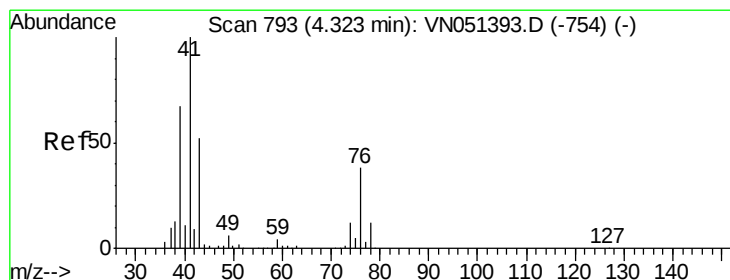
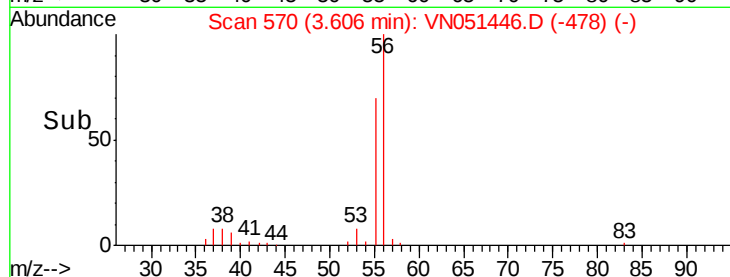
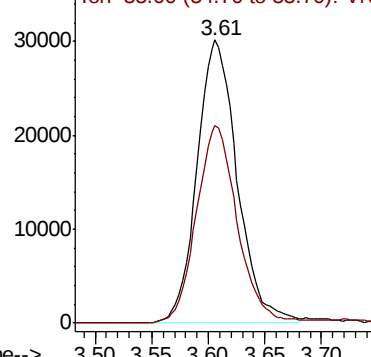
Ion Ratio Lower Upper

56 100

55 70.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 42.980 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

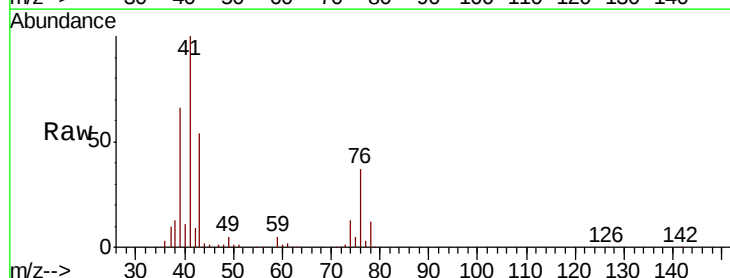
Tgt Ion: 41 Resp: 415460

Ion Ratio Lower Upper

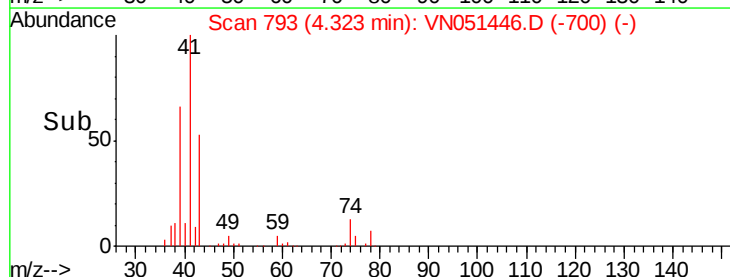
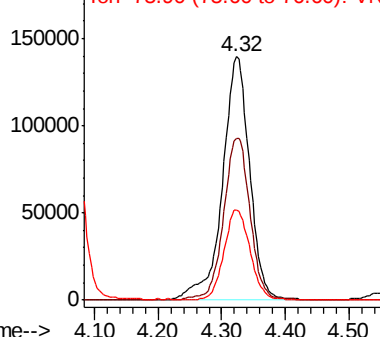
41 100

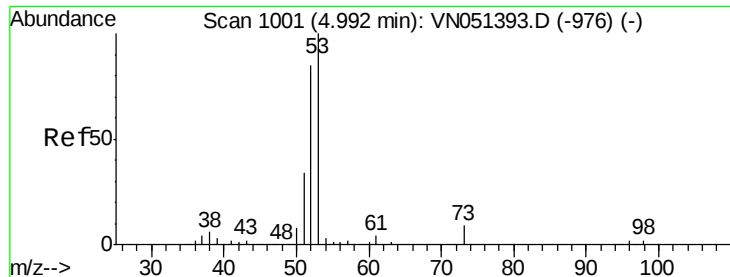
39 65.1 51.4 77.2

76 34.8 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 217.228 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

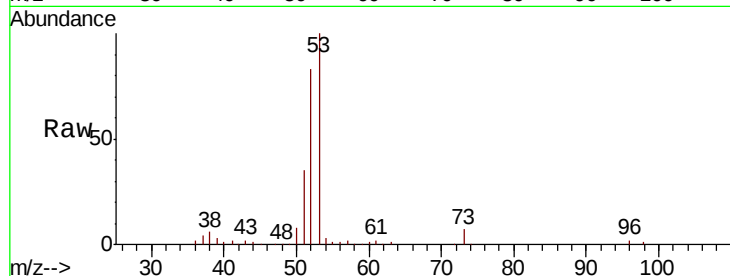
Tot Ion: 53 Resp: 432609

Ion Ratio Lower Upper

53 100

52 80.8 66.2 99.2

51 36.2 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN051393.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051393.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051393.D (-976) (-)

4.99

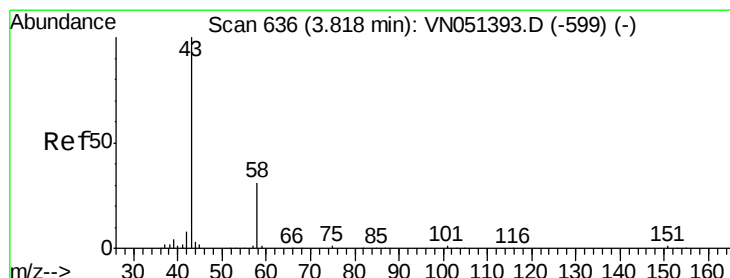
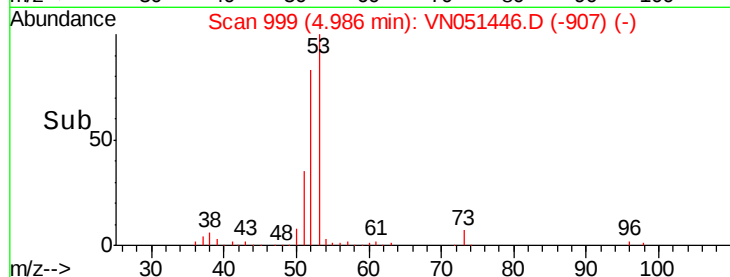
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 231.552 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051446.D

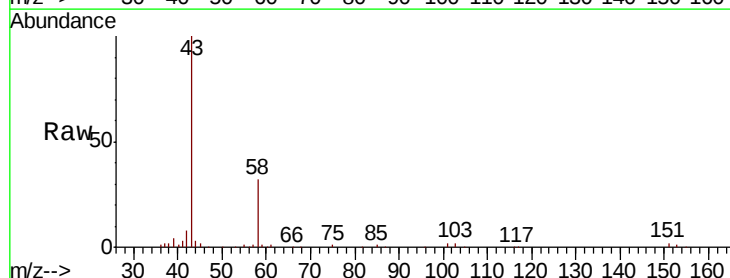
Acq: 24 Sep 2018 8:26

Tgt Ion: 43 Resp: 336348

Ion Ratio Lower Upper

43 100

58 32.0 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)

3.82

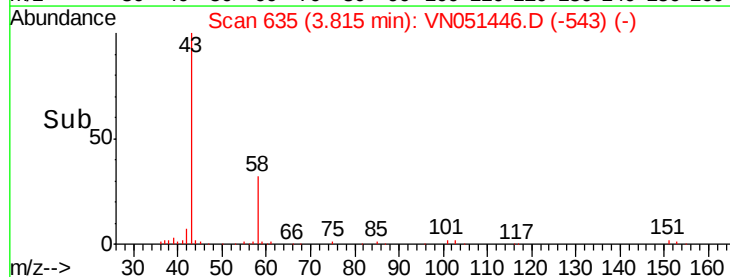
150000

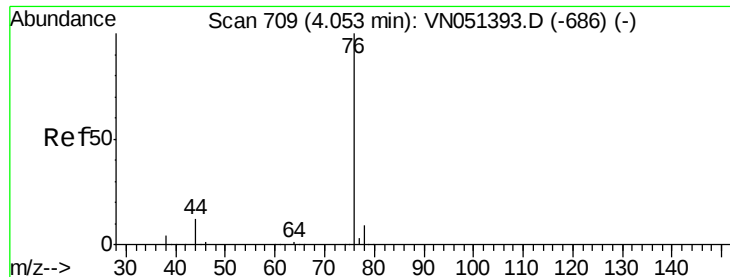
100000

50000

0

Time--> 3.60 3.70 3.80 3.90

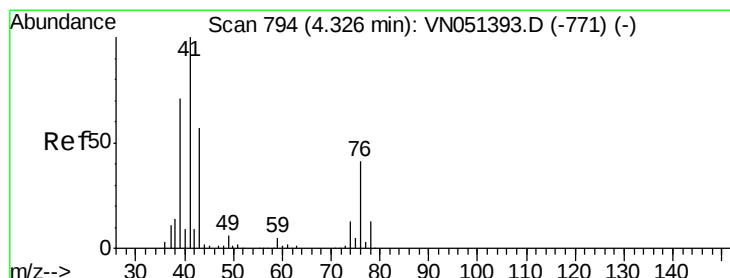
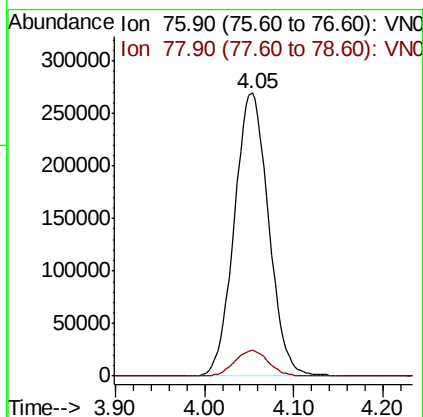
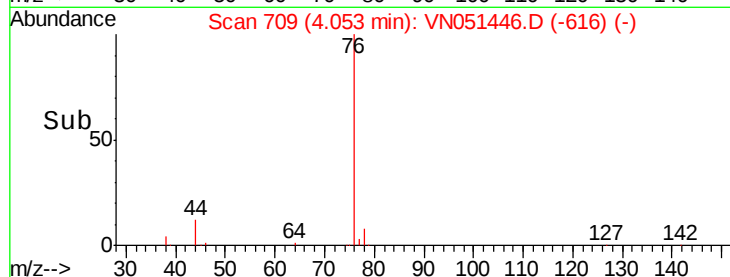
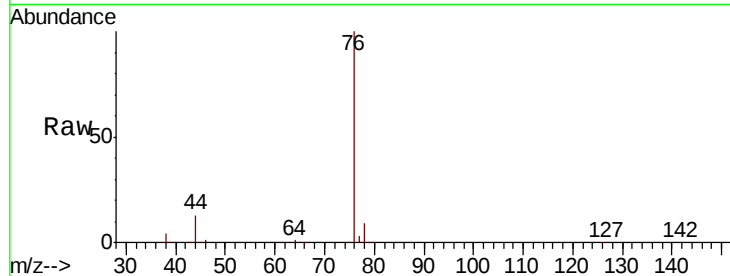




#17
Carbon Disulfide
Concen: 42.461 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

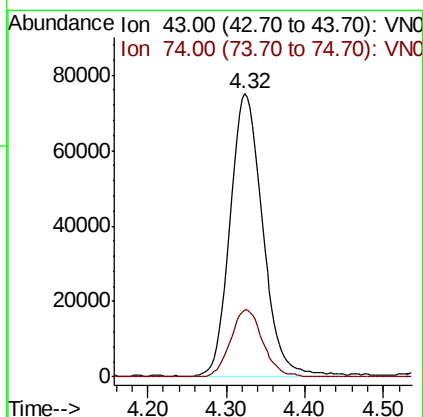
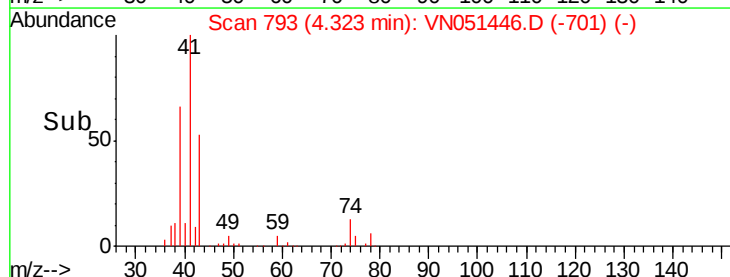
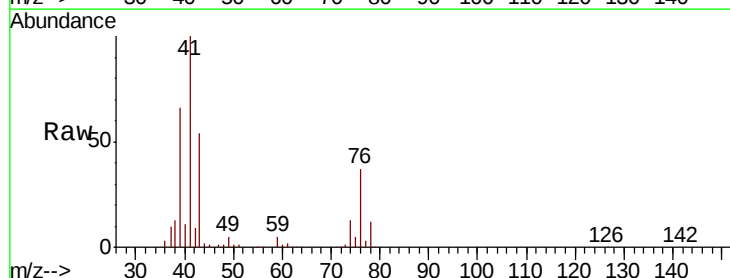
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

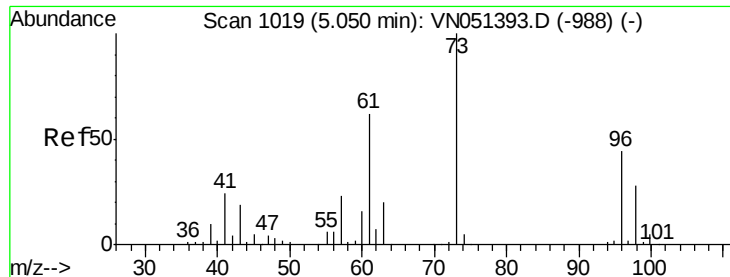
Tot Ion: 76 Resp: 718732
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 44.146 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 43 Resp: 218092
Ion Ratio Lower Upper
43 100
74 23.4 18.8 28.2



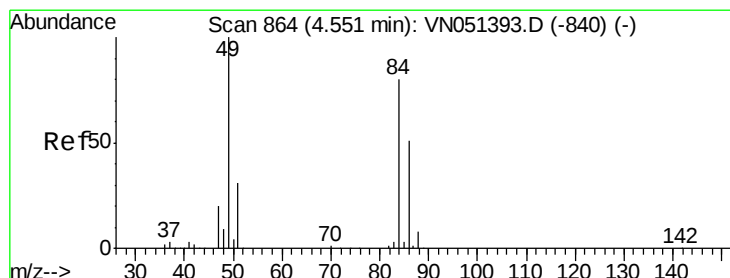
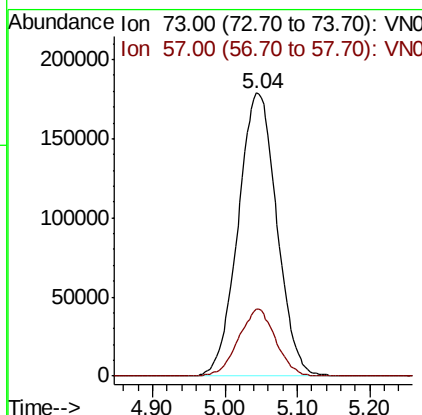
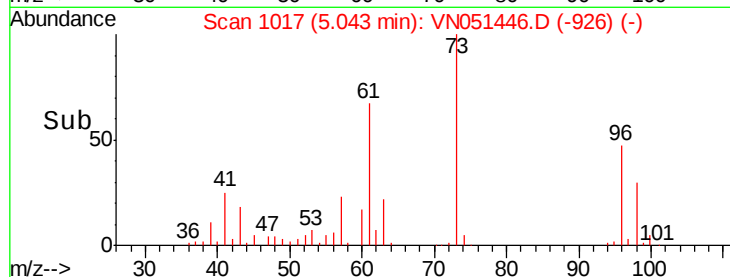
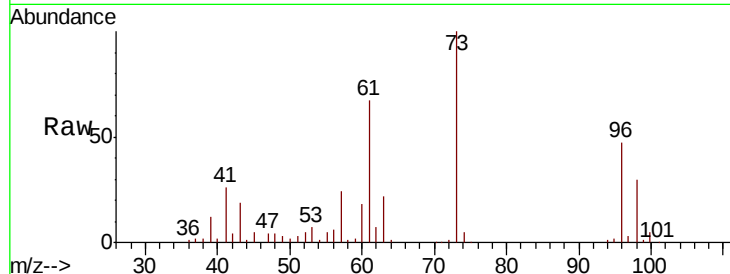


#19

Methyl tert-butyl Ether
 Concen: 44.653 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

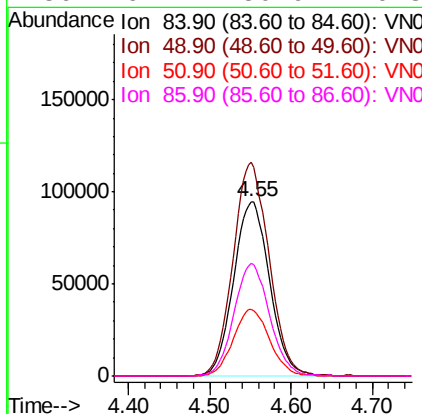
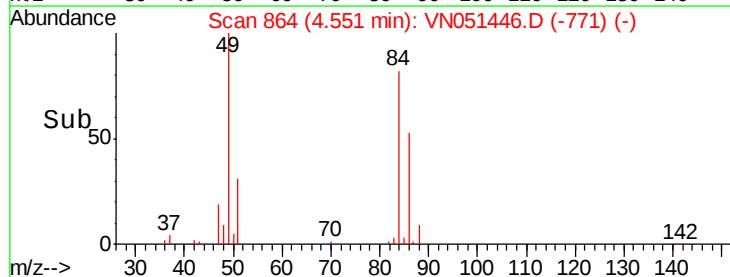
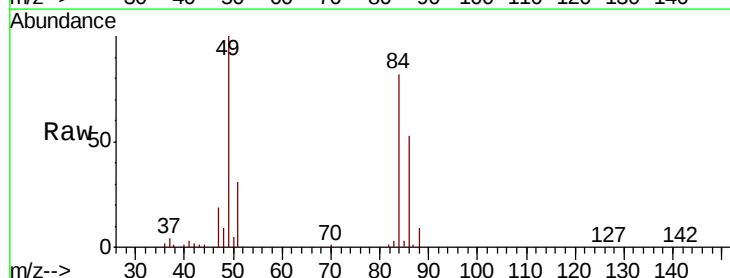
Tot Ion: 73 Resp: 663411
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.3 27.5

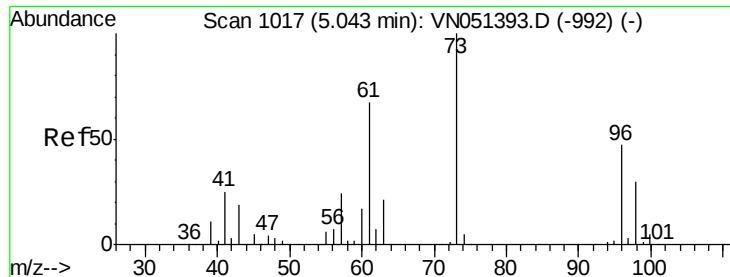


#20

Methylene Chloride
 Concen: 45.215 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 84 Resp: 290232
 Ion Ratio Lower Upper
 84 100
 49 122.6 99.9 149.9
 51 38.3 31.4 47.2
 86 64.4 50.9 76.3

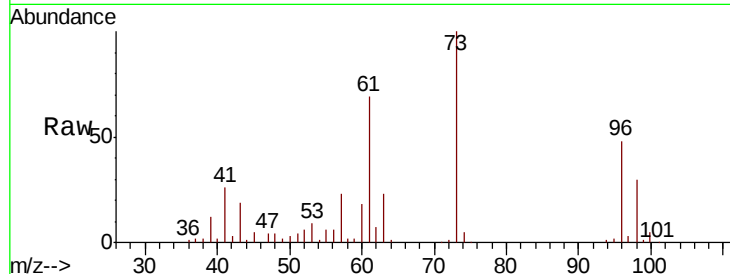




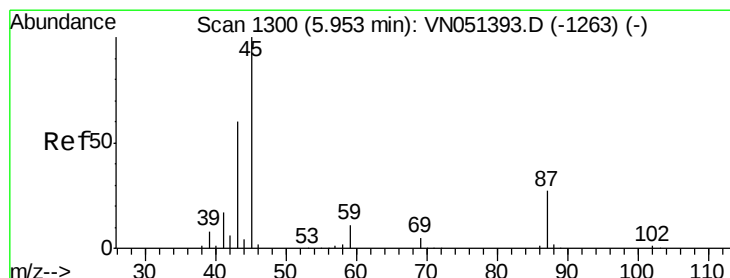
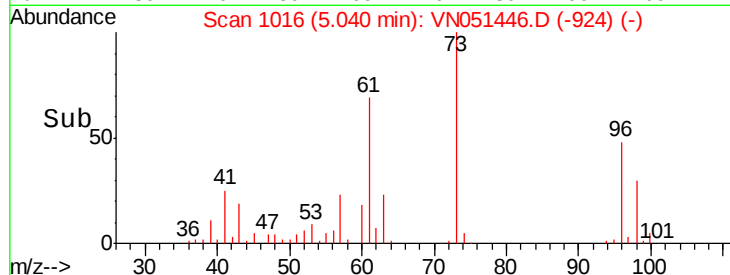
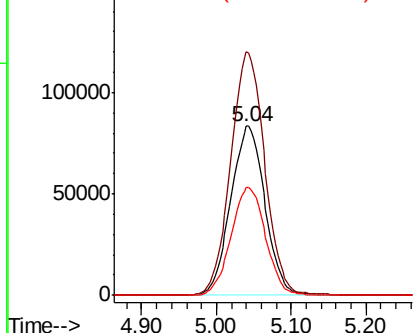
#21
trans-1,2-Dichloroethene
Concen: 45.071 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 265641
Ion Ratio Lower Upper
96 100
61 144.1 113.4 170.2
98 63.6 51.1 76.7

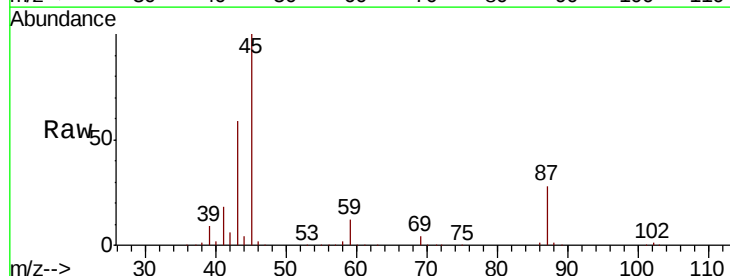


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

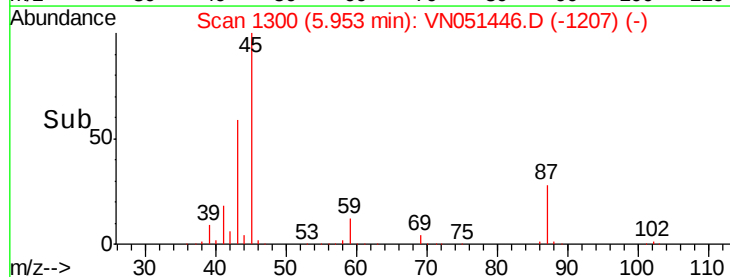
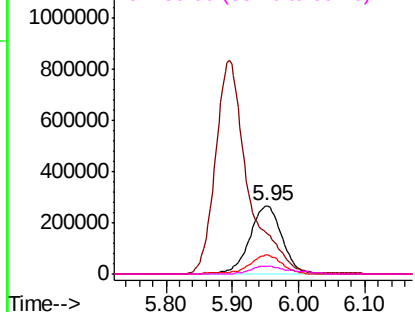


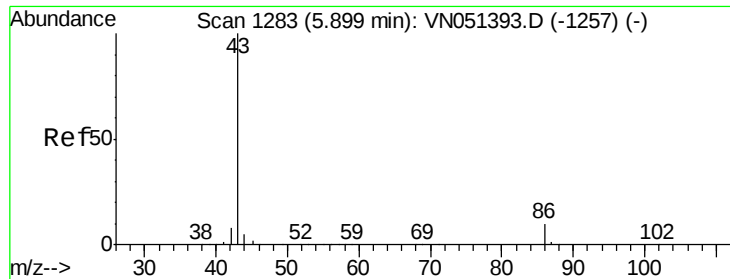
#22
Diisopropyl ether
Concen: 48.248 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 45 Resp: 901519
Ion Ratio Lower Upper
45 100
43 57.7 47.7 71.5
87 27.4 22.0 33.0
59 11.6 9.3 13.9



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: 231.700 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

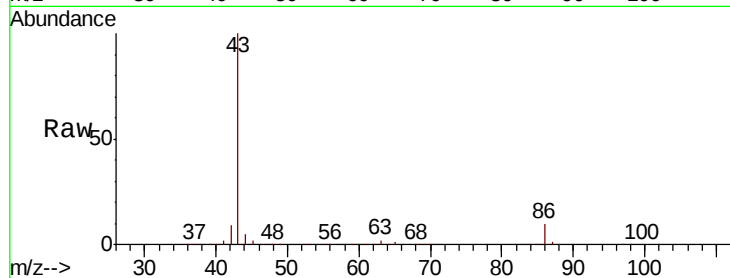
VSTDCCC050

Tot Ion: 43 Resp: 2842294

Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN051393.D (-1257) (-)

5.90

800000

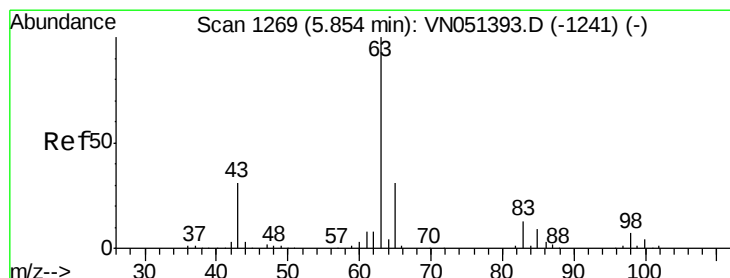
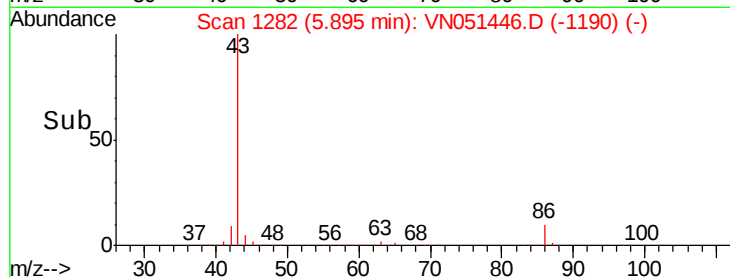
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.833 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

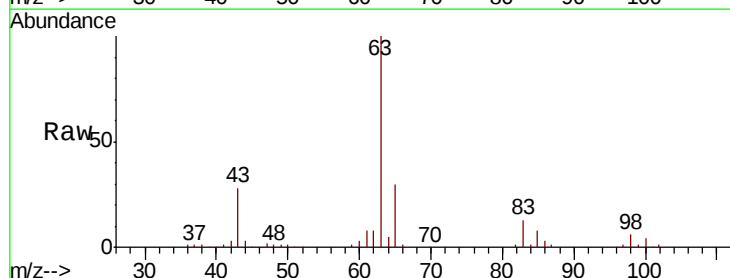
Tgt Ion: 63 Resp: 522119

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 3.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051393.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051393.D (-1241) (-)

5.85

200000

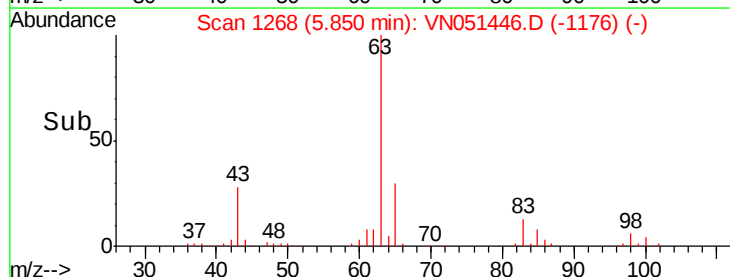
150000

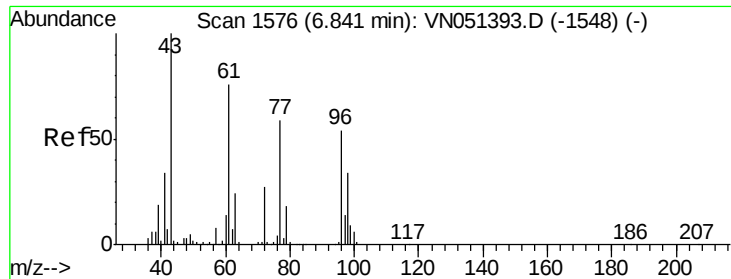
100000

50000

0

Time-->

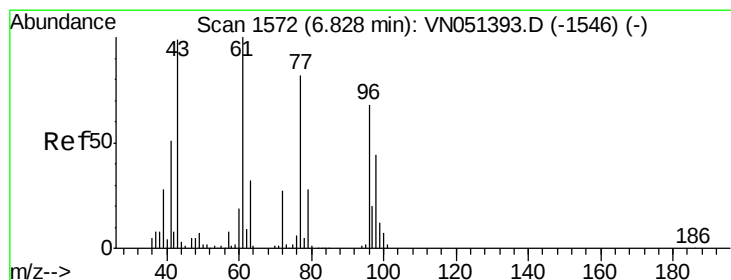
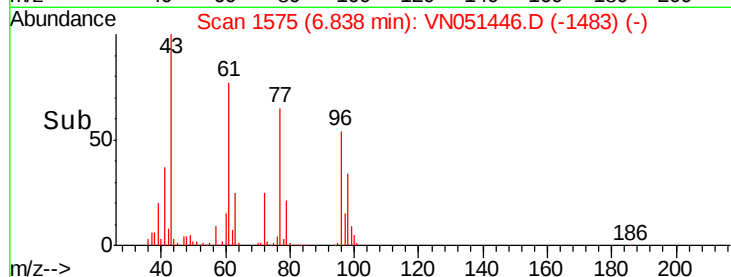
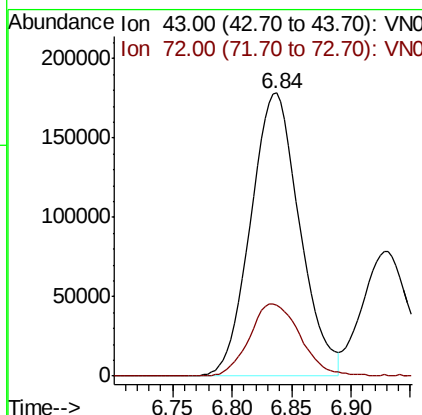
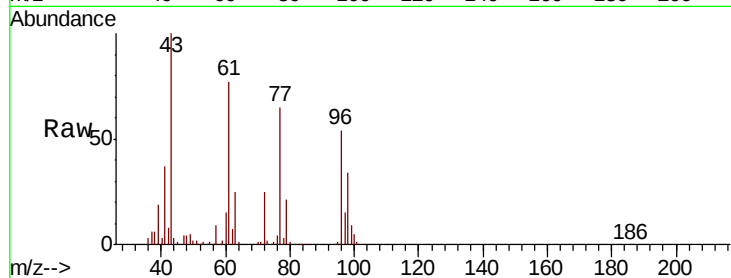




#25
 2-Butanone
 Concen: 228.301 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

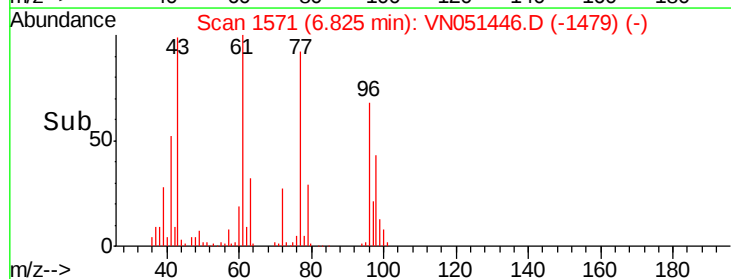
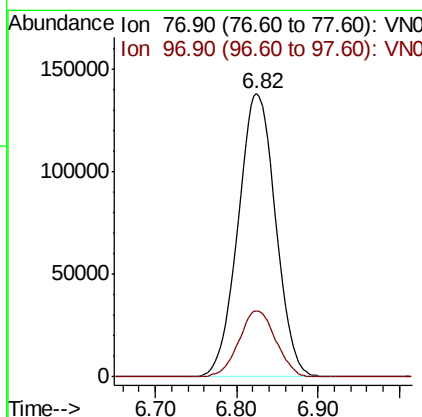
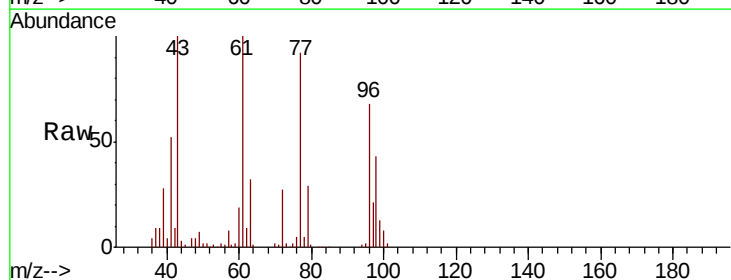
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

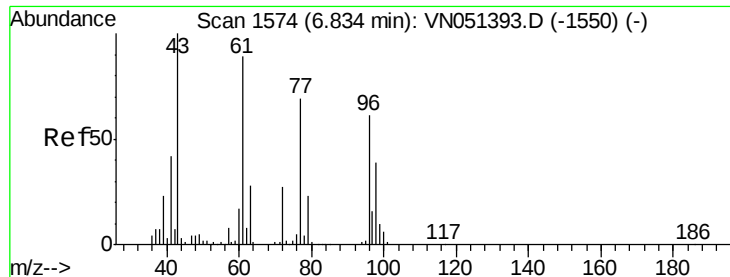
Tot Ion: 43 Resp: 506885
 Ion Ratio Lower Upper
 43 100
 72 25.1 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 50.373 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 77 Resp: 438372
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.322 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

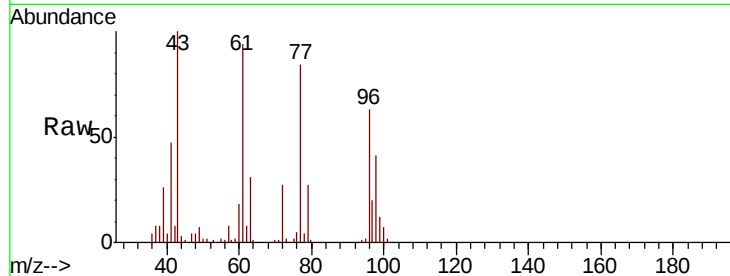
Tot Ion: 96 Resp: 299567

Ion Ratio Lower Upper

96 100

61 150.4 0.0 291.4

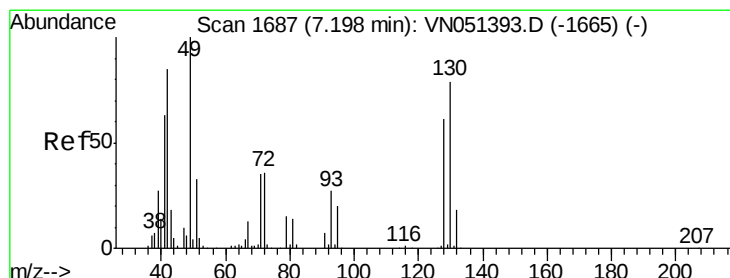
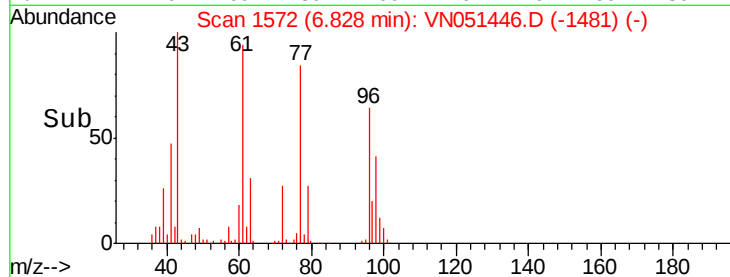
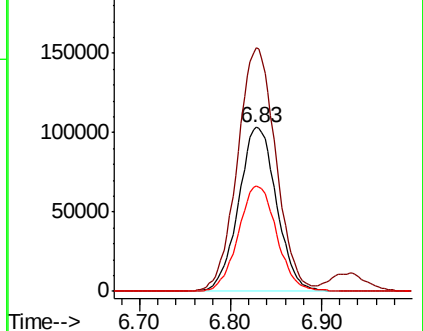
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN051393.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-1550) (-)



#28

Bromochloromethane

Concen: 49.324 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

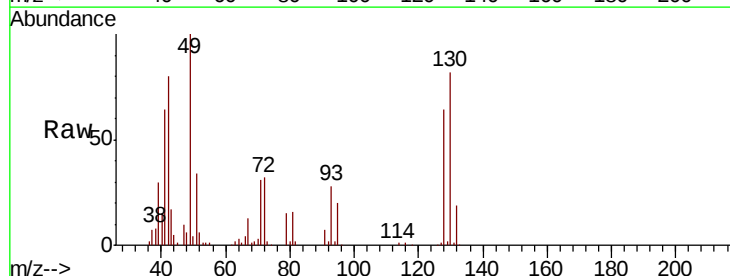
Tgt Ion: 49 Resp: 253937

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

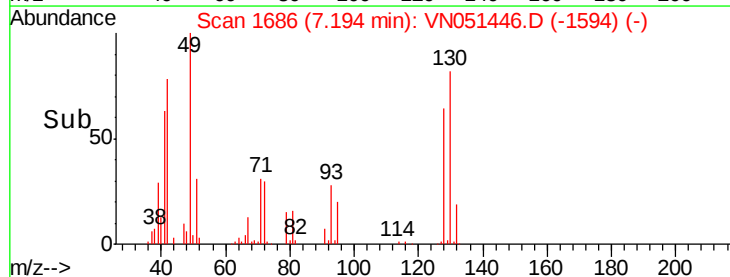
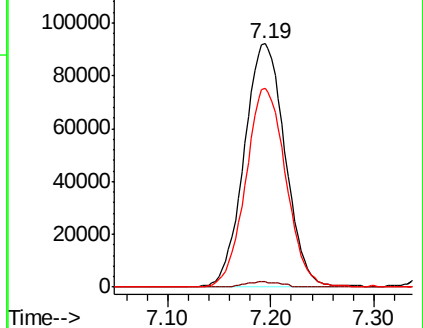
130 80.3 63.0 94.4

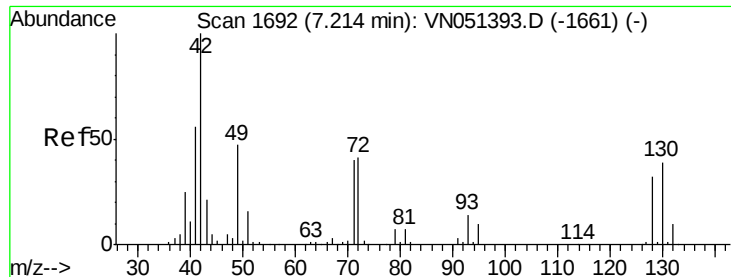


Abundance Ion 48.90 (48.60 to 49.60): VN051393.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051393.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051393.D (-1665) (-)

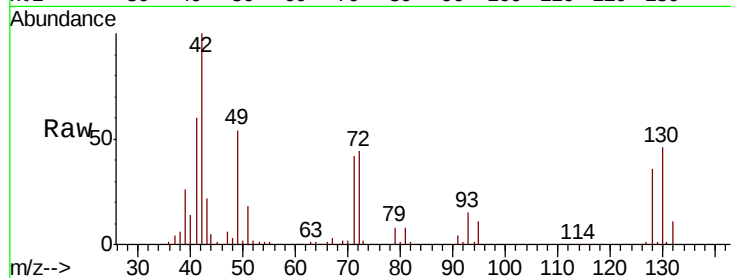




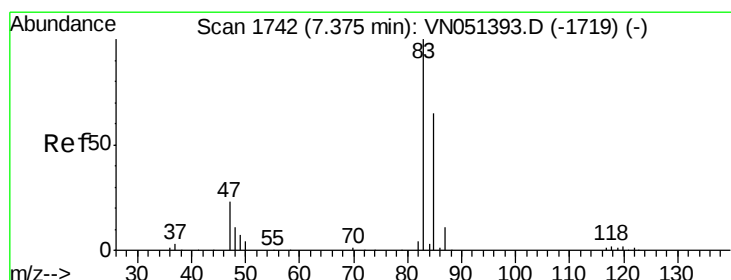
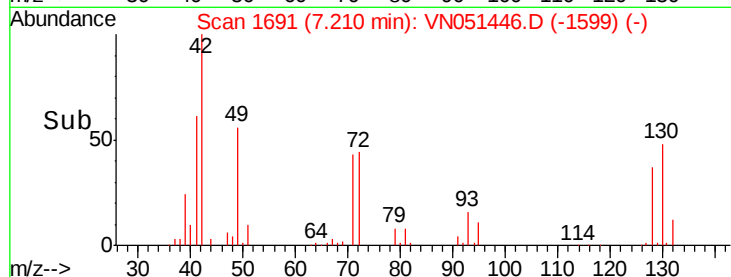
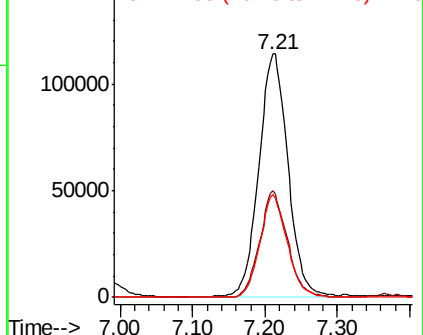
#29
Tetrahydrofuran
Concen: 225.935 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 317890
Ion Ratio Lower Upper
42 100
72 41.5 34.3 51.5
71 39.7 32.2 48.4

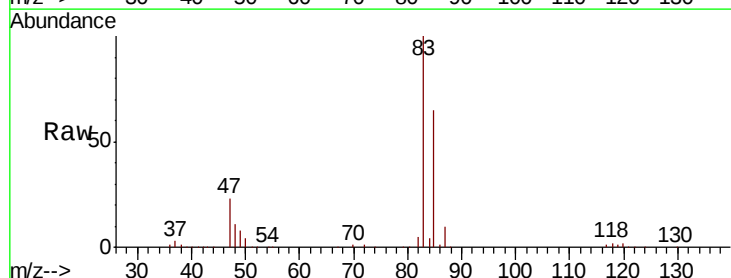


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

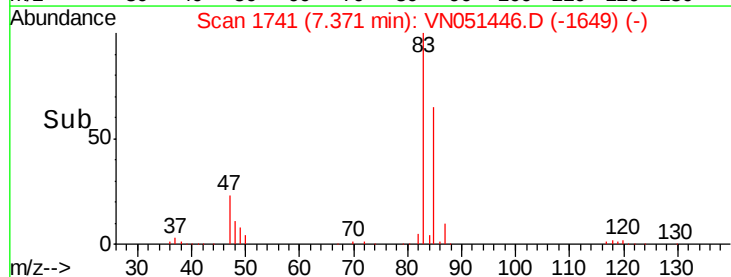
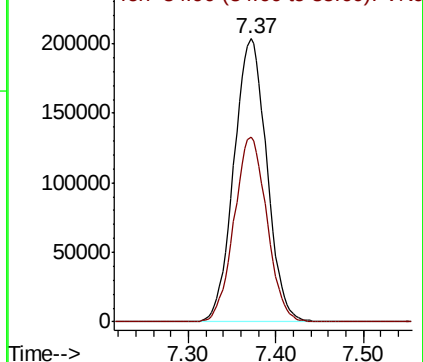


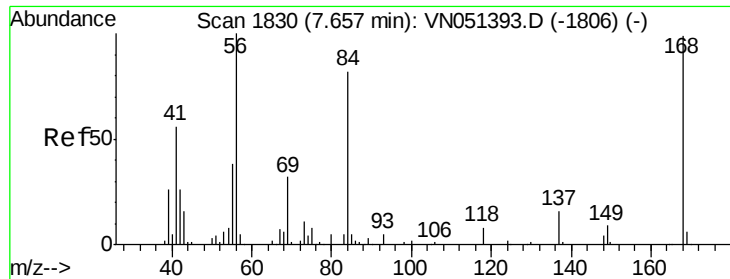
#30
Chloroform
Concen: 48.152 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 83 Resp: 531927
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6



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

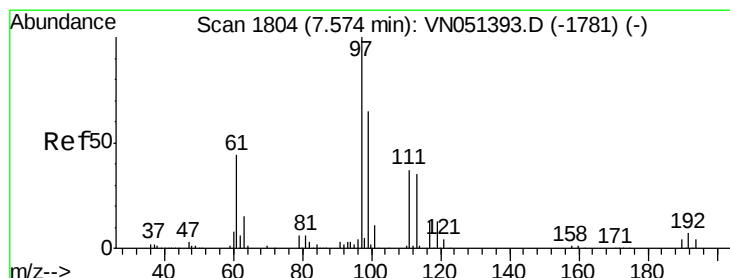
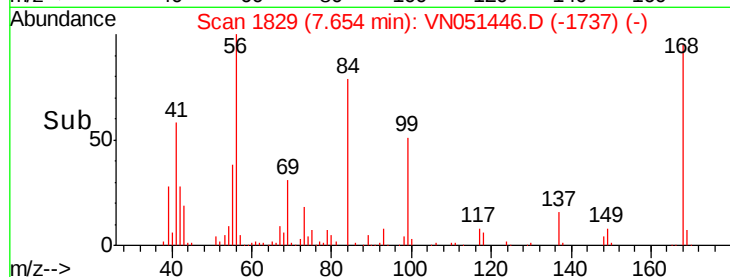
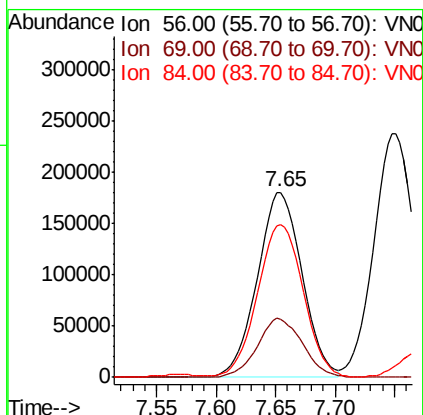
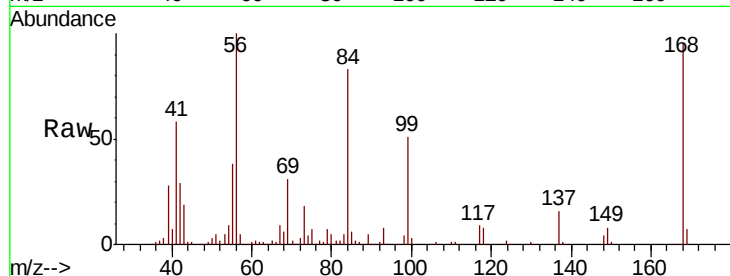




#31
Cyclohexane
Concen: 45.937 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

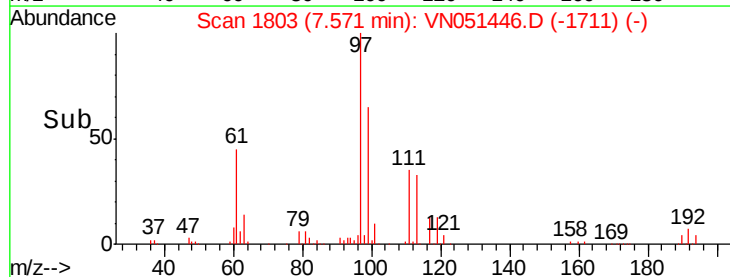
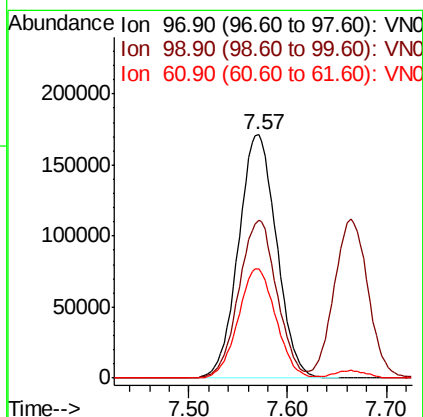
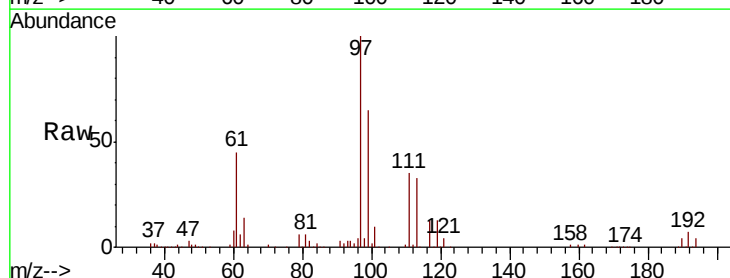
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

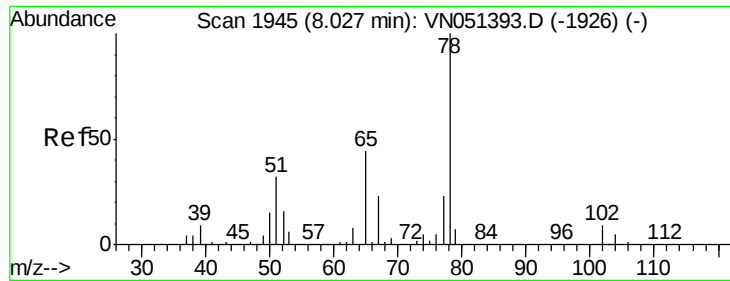
Tot Ion: 56 Resp: 469210
Ion Ratio Lower Upper
56 100
69 31.4 25.8 38.6
84 81.5 66.0 99.0



#32
1,1,1-Trichloroethane
Concen: 48.419 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 97 Resp: 457264
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.0
61 44.6 35.8 53.8

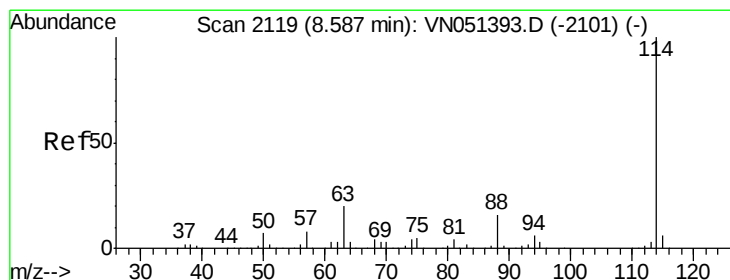
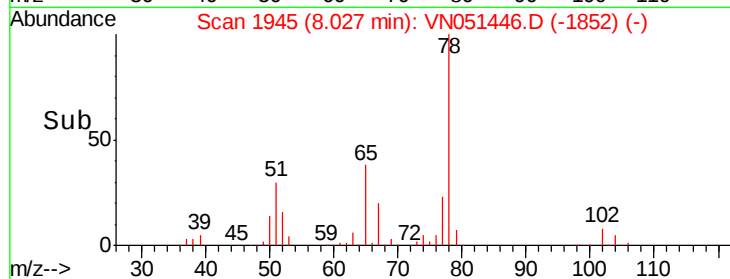
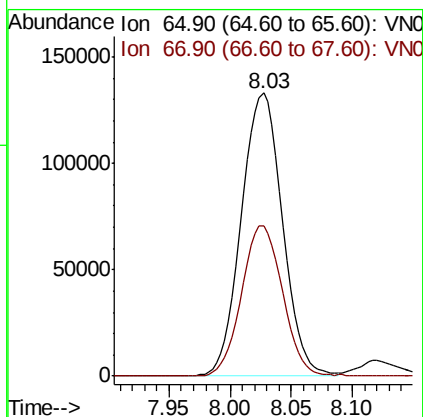
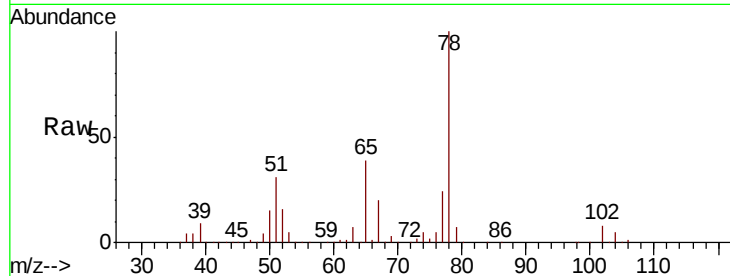




#33
 1,2-Dichloroethane-d4
 Concen: 47.960 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

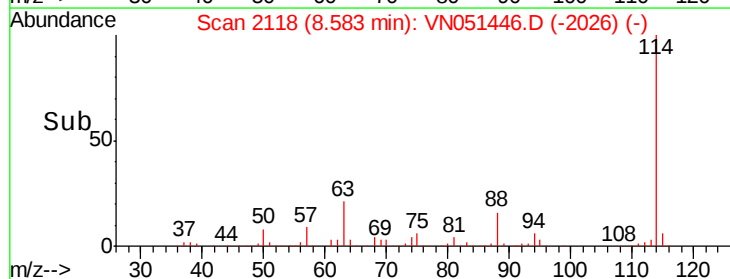
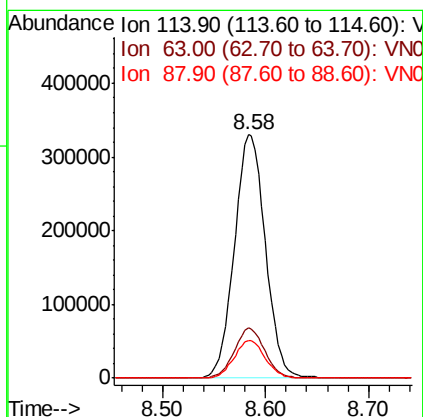
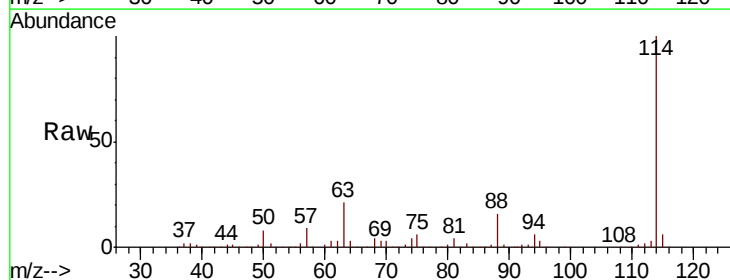
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

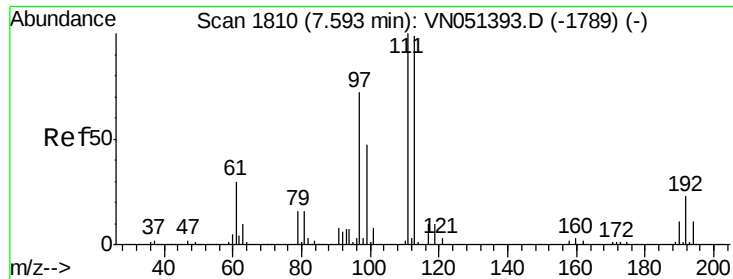
Tot Ion: 65 Resp: 311102
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 114 Resp: 691009
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.905 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

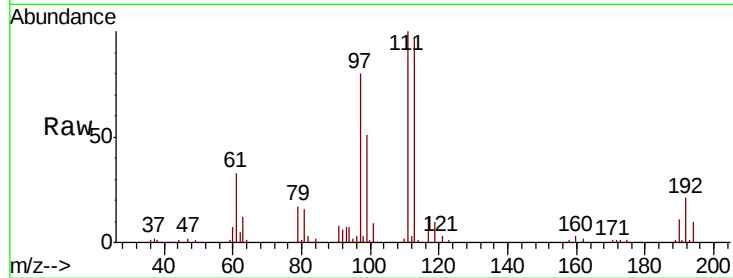
Tot Ion:113 Resp: 275758

Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

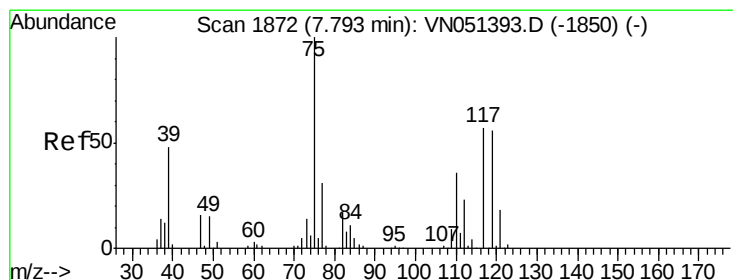
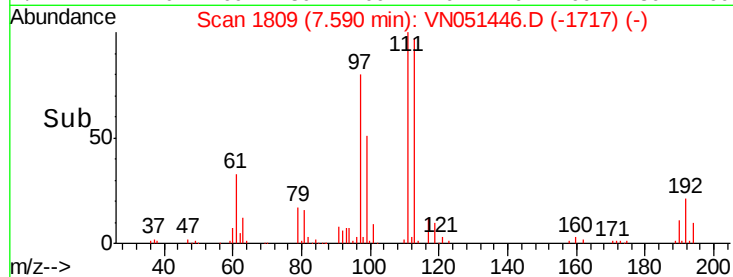
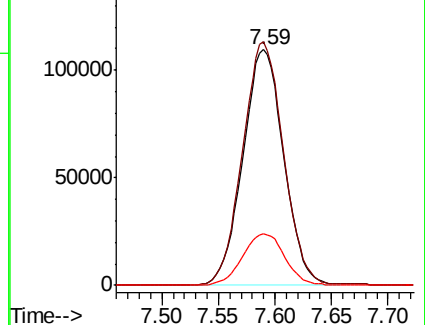
192 22.6 18.0 27.0



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: 50.298 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

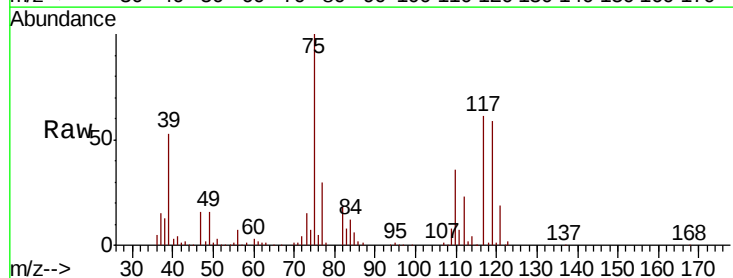
Tgt Ion: 75 Resp: 402483

Ion Ratio Lower Upper

75 100

110 35.4 18.1 54.3

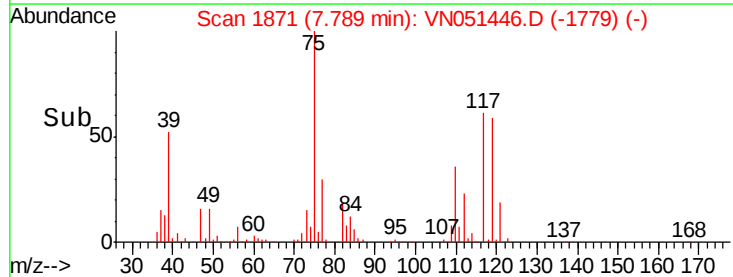
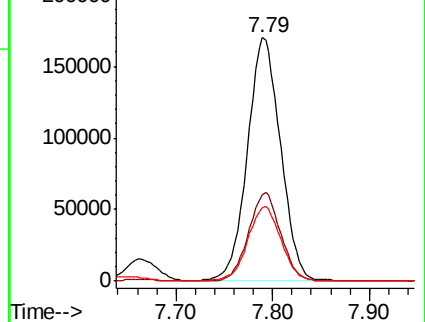
77 31.0 25.6 38.4

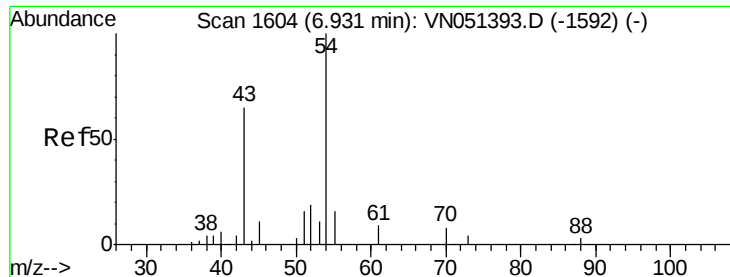


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

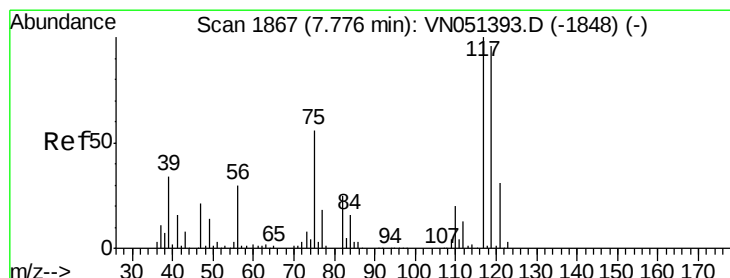
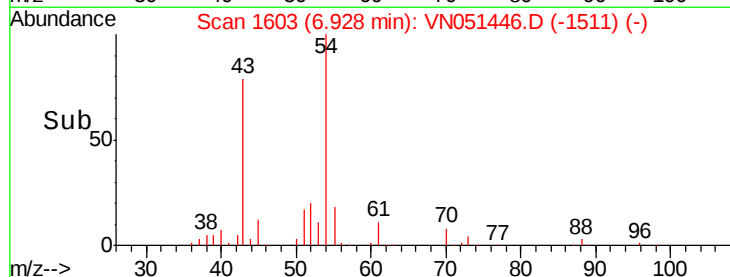
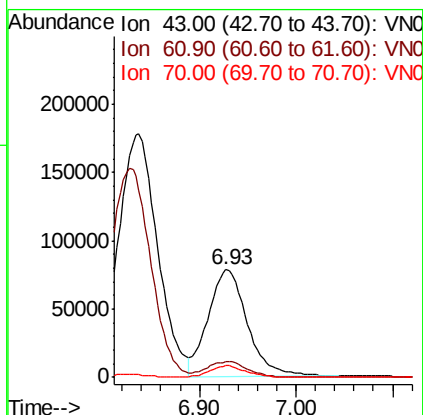
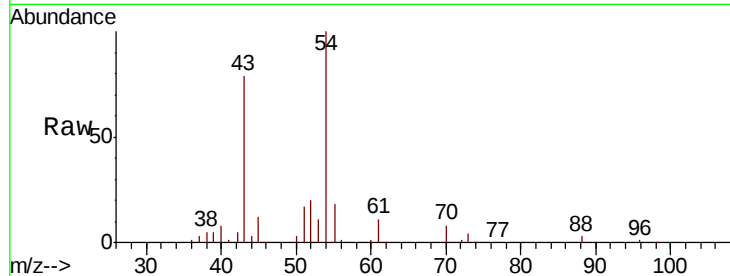




#37
Ethyl Acetate
Concen: 47.686 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

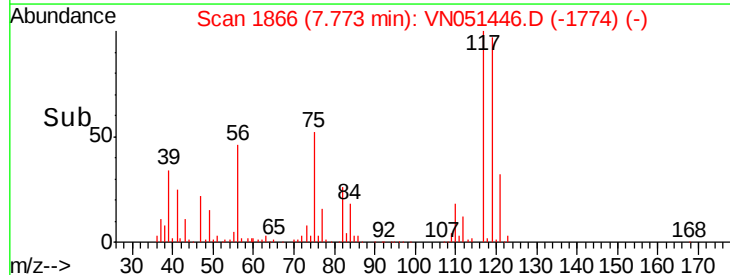
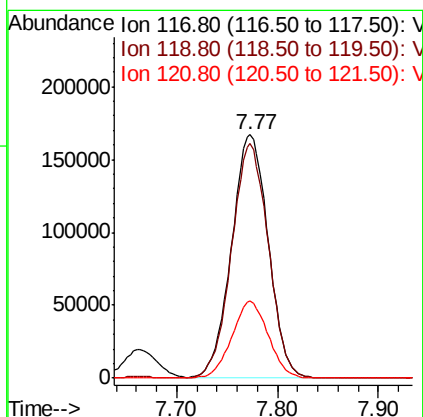
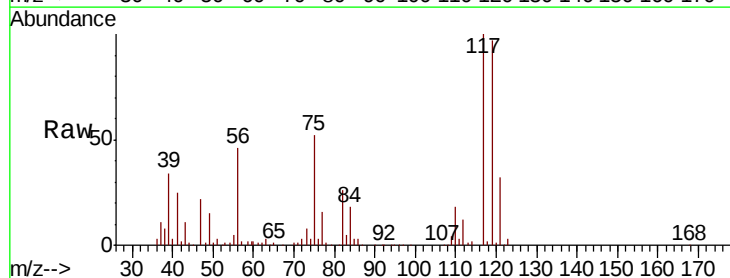
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

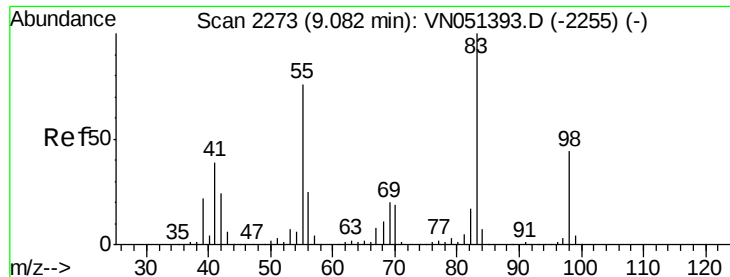
Tot Ion: 43 Resp: 219399
Ion Ratio Lower Upper
43 100
61 14.8 11.5 17.3
70 10.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.382 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 117 Resp: 421688
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3
121 31.9 24.6 37.0

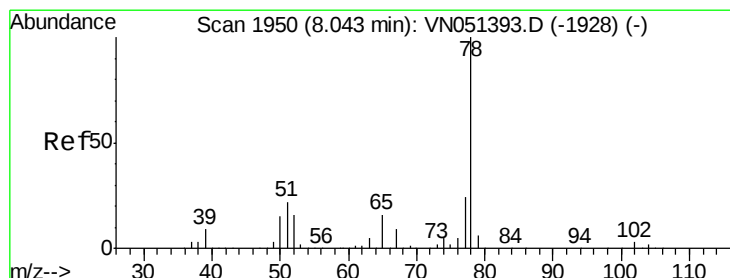
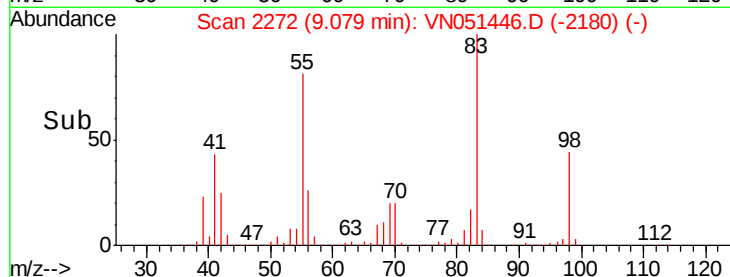
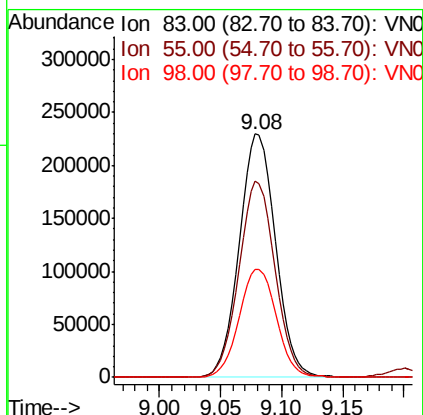
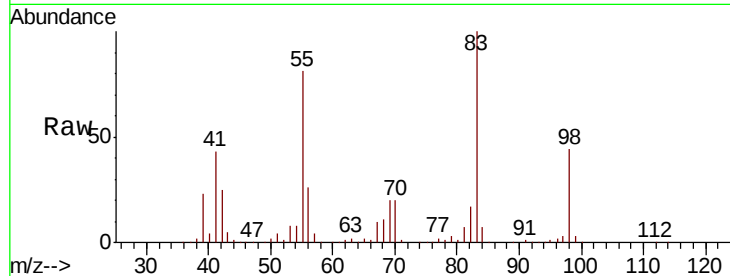




#39
Methvlcvclohexane
Concen: 50.624 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

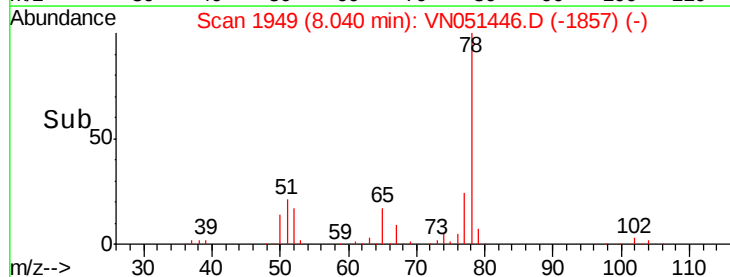
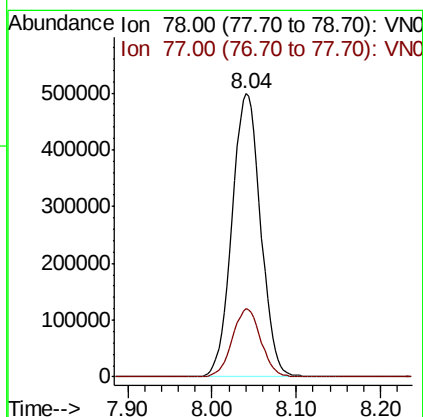
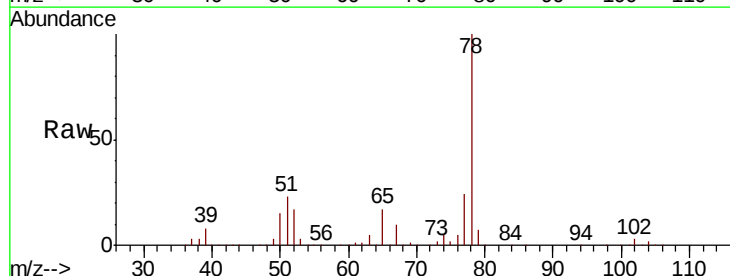
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

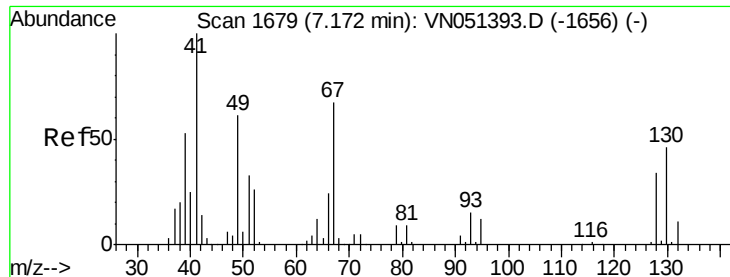
Tot Ion	83.00	Resp	473557
Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.0	91.4
98	44.4	35.6	53.4



#40
Benzene
Concen: 50.271 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	78.00	Resp	1181151
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 37.859 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 96366

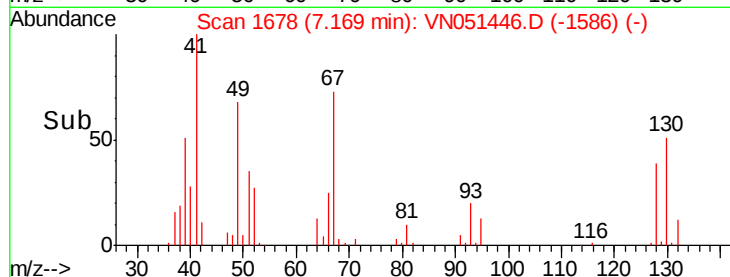
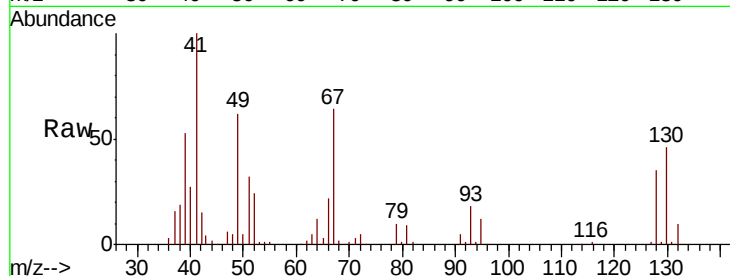
Ion Ratio Lower Upper

41 100

39 70.0 51.4 77.2

67 100.6 66.8 100.2#

52 40.1 27.7 41.5

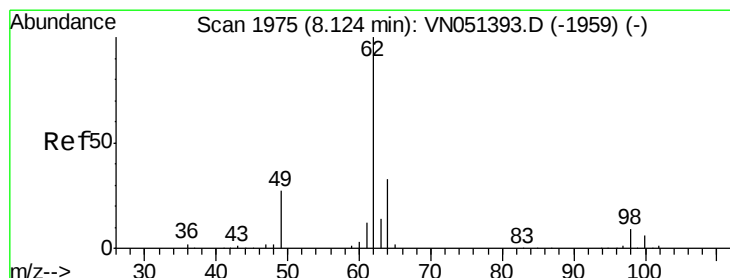
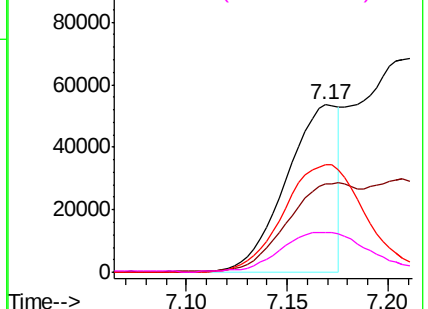


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 50.668 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051446.D

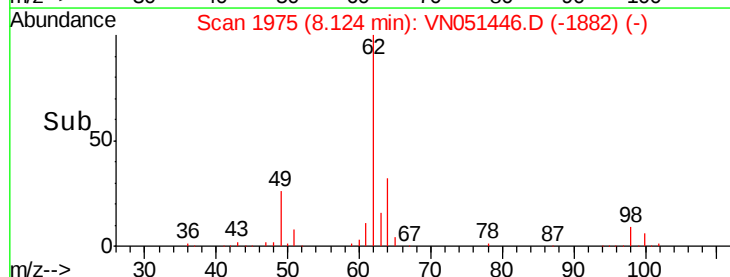
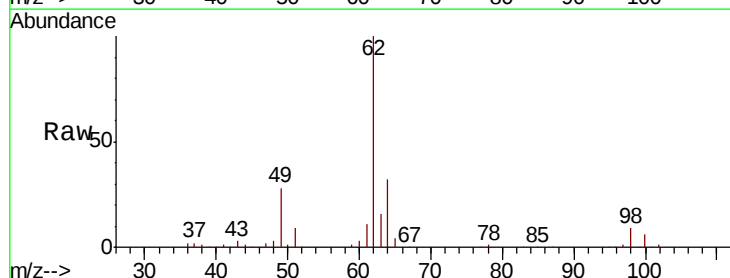
Acq: 24 Sep 2018 8:26

Tgt Ion: 62 Resp: 381194

Ion Ratio Lower Upper

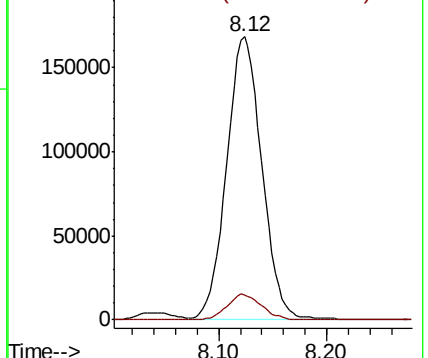
62 100

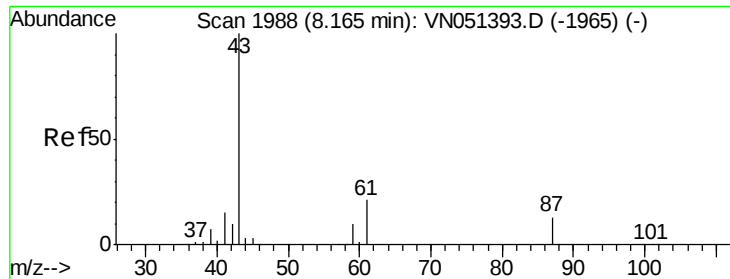
98 9.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.295 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

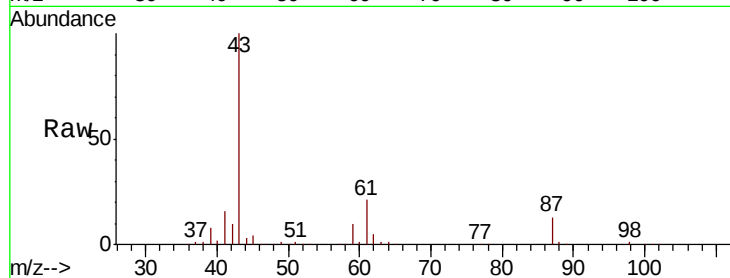
Tot Ion: 43 Resp: 418431

Ion Ratio Lower Upper

43 100

61 18.7 16.8 25.2

87 12.8 10.7 16.1

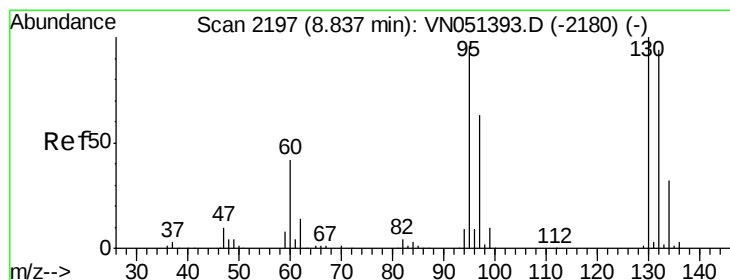
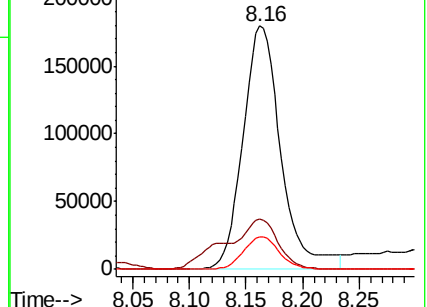
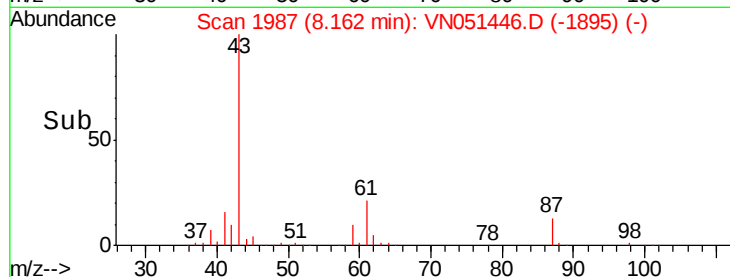


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 48.875 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051446.D

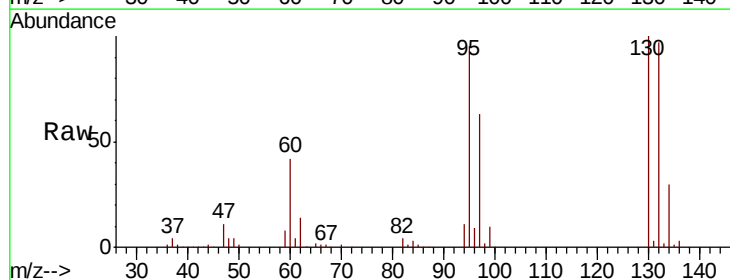
Acq: 24 Sep 2018 8:26

Tgt Ion:130 Resp: 305012

Ion Ratio Lower Upper

130 100

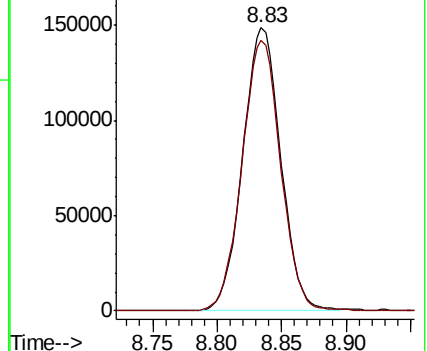
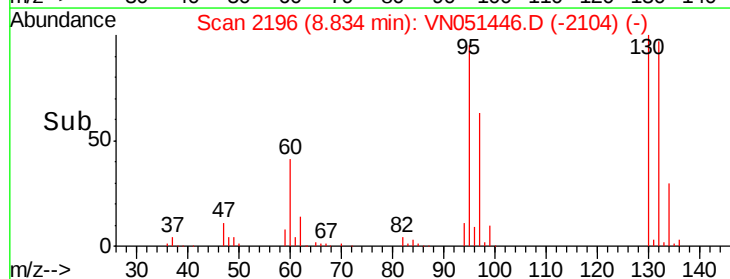
95 95.5 0.0 192.2

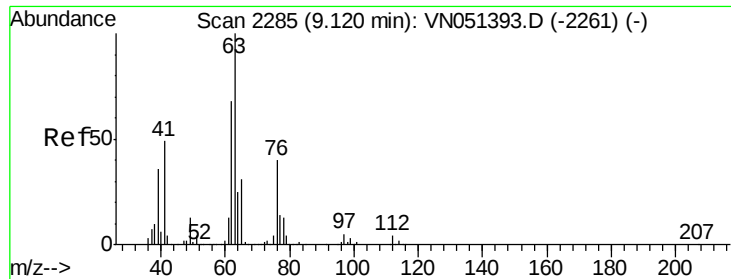


Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)

Time-->

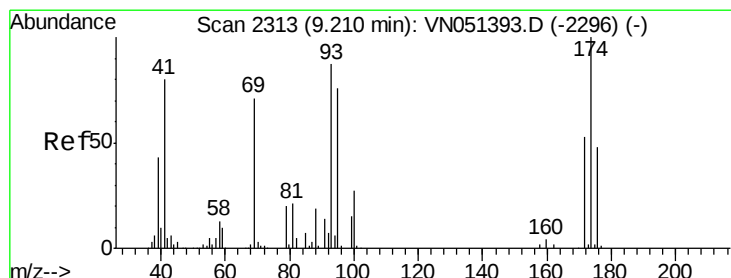
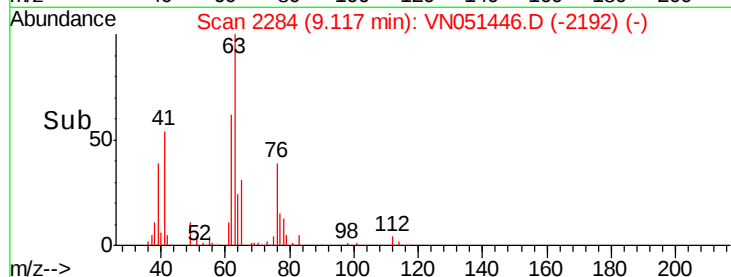
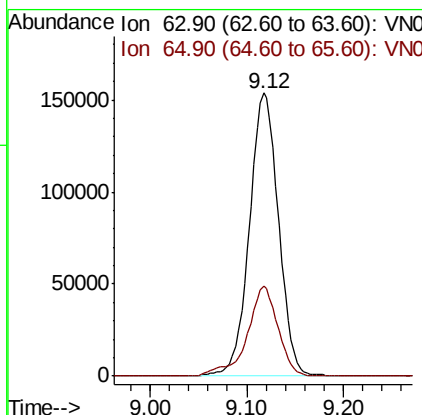
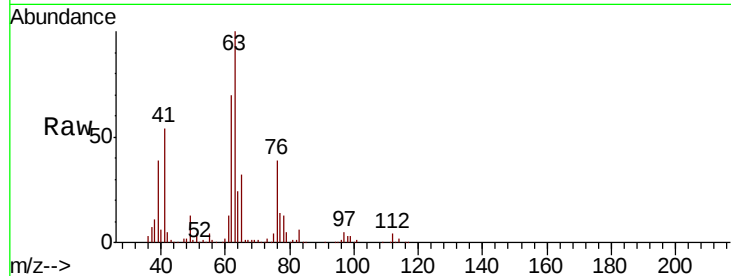




#45
 1,2-Dichloropropane
 Concen: 50.357 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

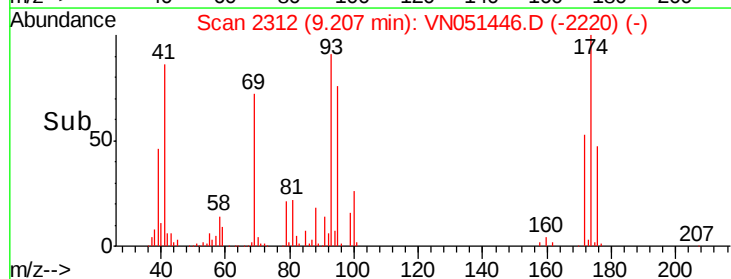
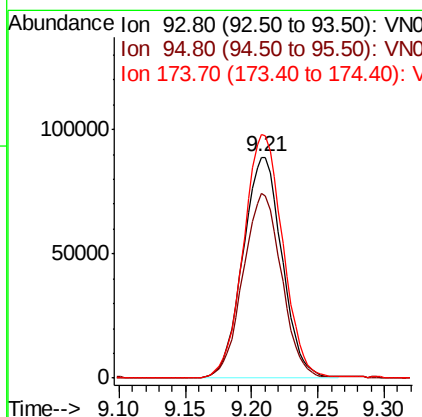
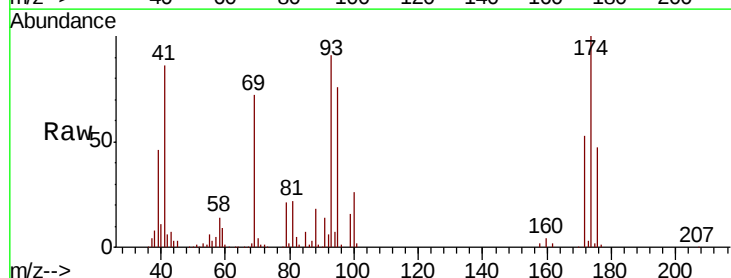
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

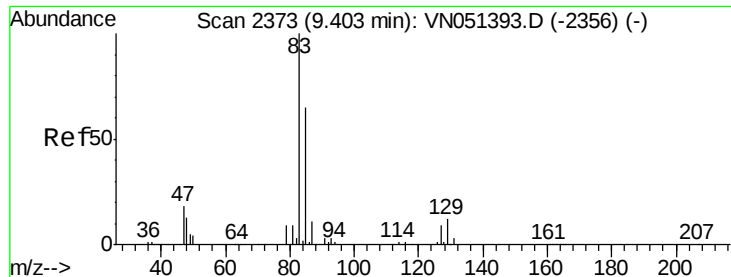
Tot Ion: 63 Resp: 321624
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.9 37.3



#46
 Dibromomethane
 Concen: 50.673 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 93 Resp: 182863
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.6 101.4
 174 110.9 89.6 134.4

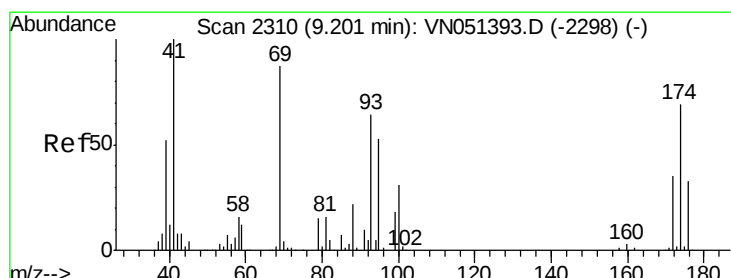
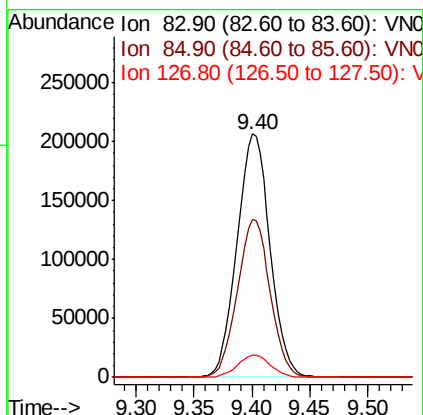
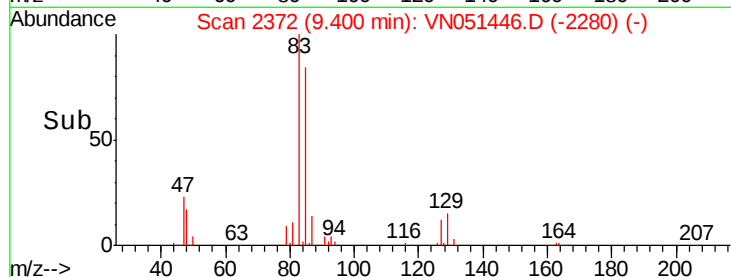
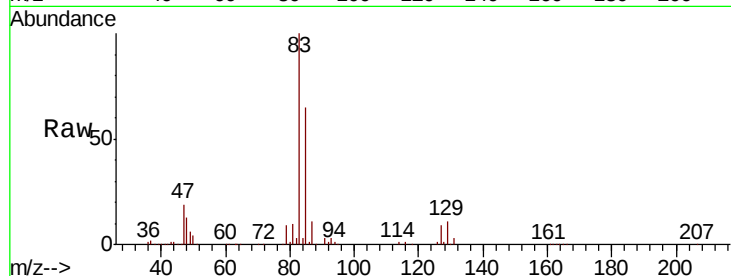




#47
Bromodichloromethane
Concen: 51.052 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

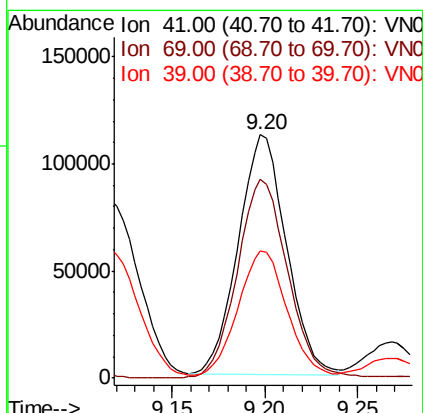
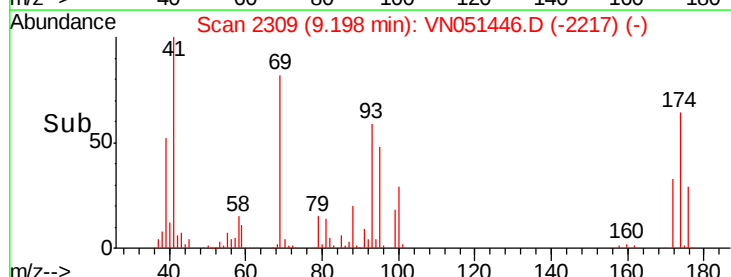
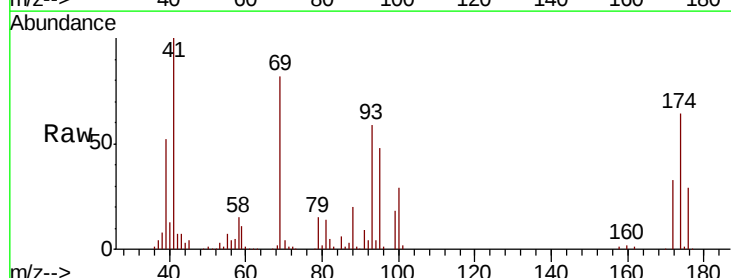
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

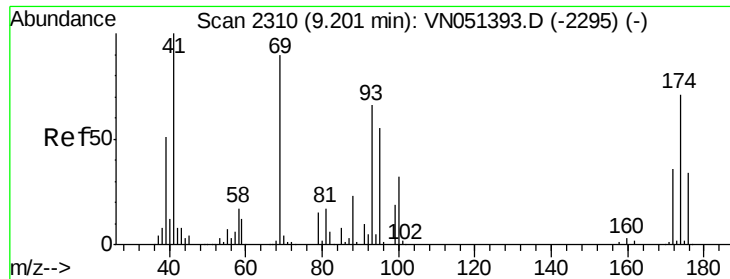
Tot Ion: 83 Resp: 407701
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.6
127 9.4 7.4 11.2



#48
Methyl methacrylate
Concen: 48.524 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 41 Resp: 201272
Ion Ratio Lower Upper
41 100
69 86.4 70.4 105.6
39 54.5 43.8 65.8





#49

1,4-Dioxane

Concen: 930.294 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

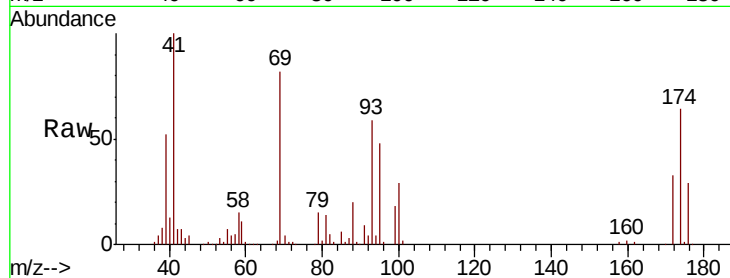
Tot Ion: 88 Resp: 47291

Ion Ratio Lower Upper

88 100

43 33.5 25.9 38.9

58 72.2 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)

200000

150000

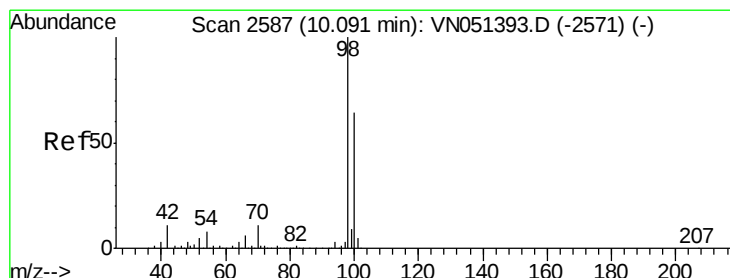
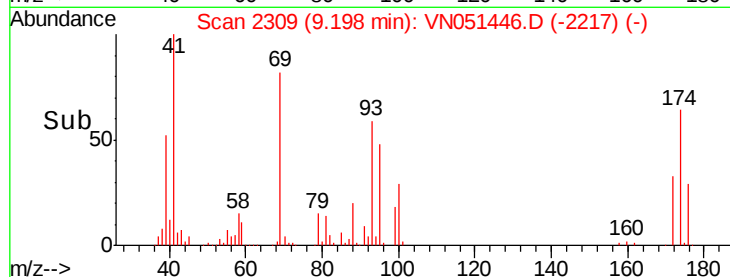
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 49.959 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051446.D

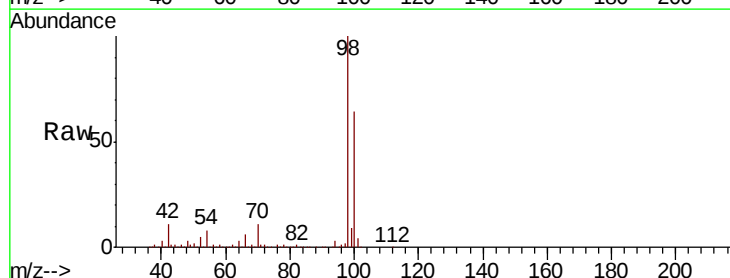
Acq: 24 Sep 2018 8:26

Tgt Ion: 98 Resp: 1039544

Ion Ratio Lower Upper

98 100

100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

600000

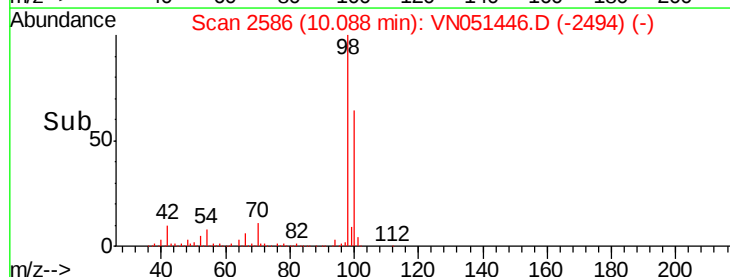
400000

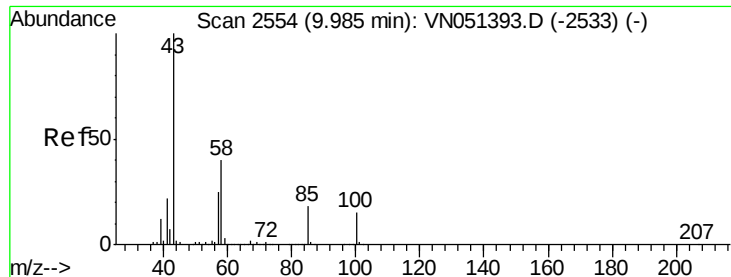
200000

0

10.00 10.10 10.20

Time-->

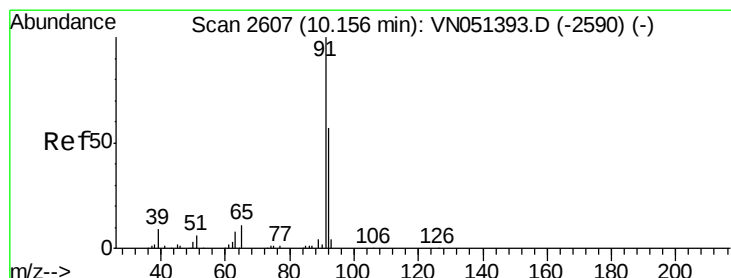
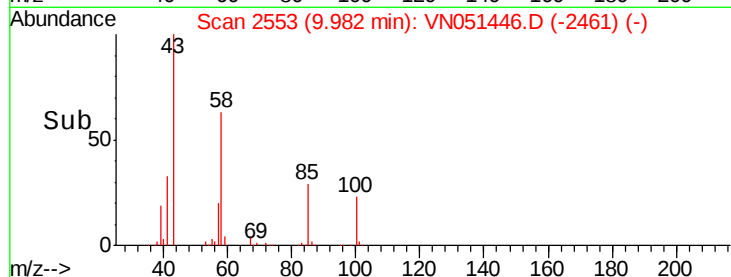
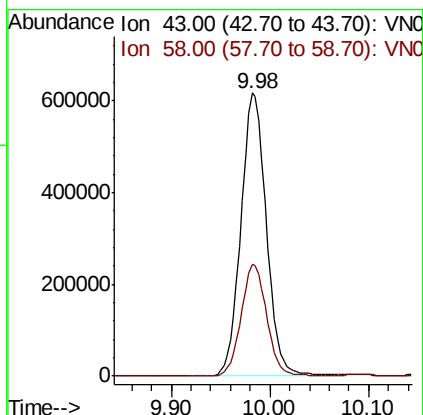
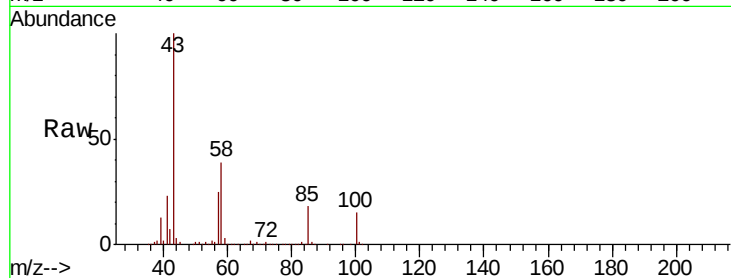




#51
 4-Methyl-2-Pentanone
 Concen: 240.154 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

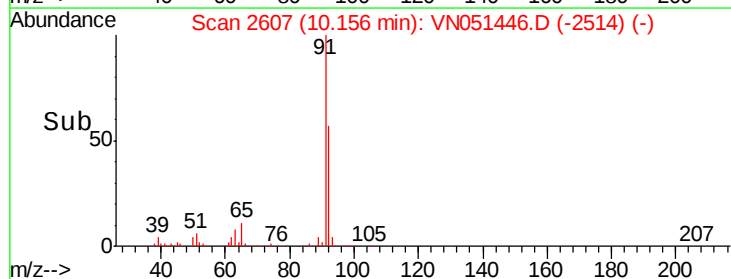
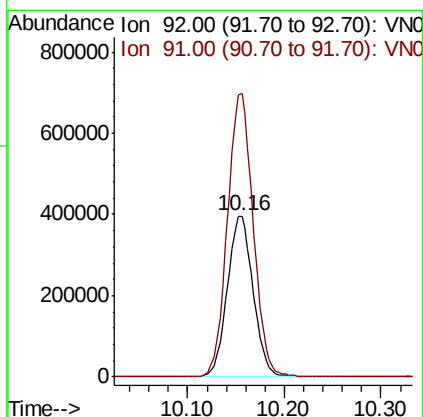
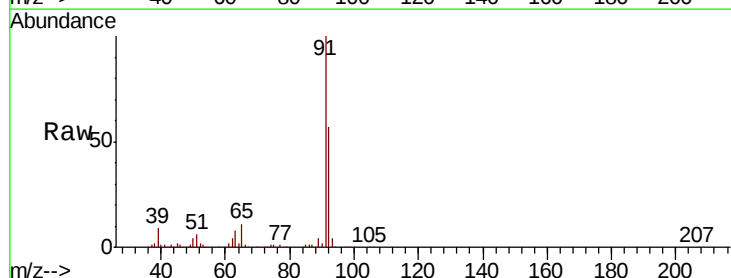
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

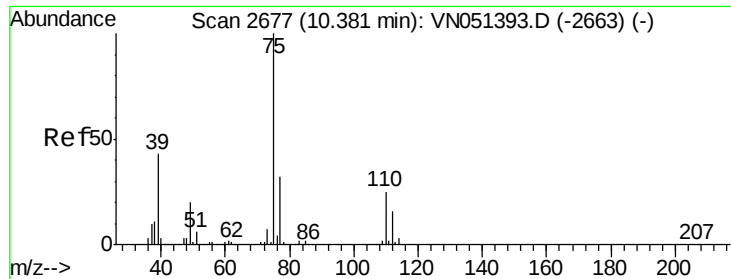
Tot Ion: 43 Resp: 1098820
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3



#52
 Toluene
 Concen: 50.174 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 92 Resp: 732624
 Ion Ratio Lower Upper
 92 100
 91 176.4 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 50.099 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

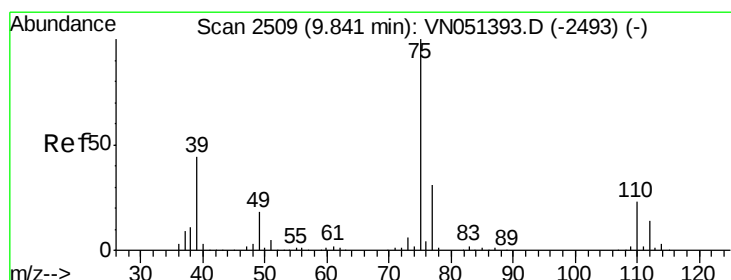
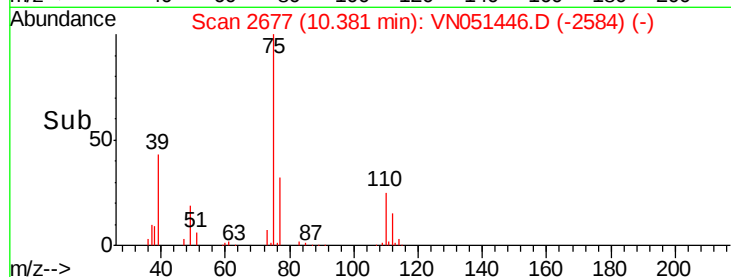
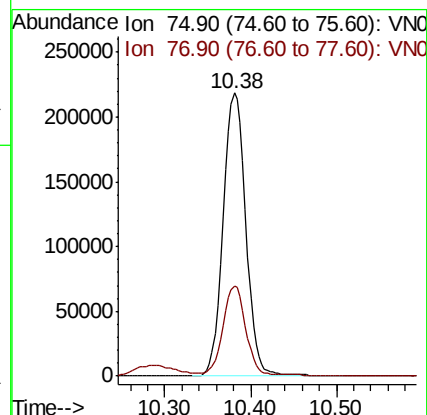
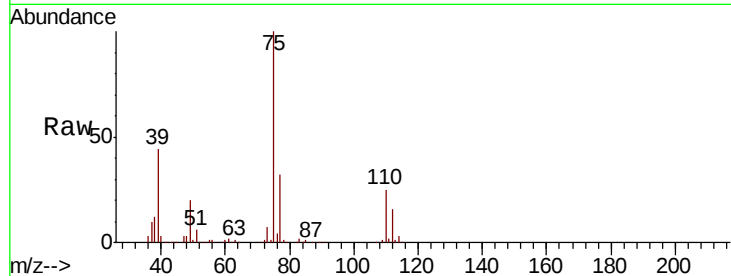
VSTDCCC050

Tot Ion: 75 Resp: 403927

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 50.476 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

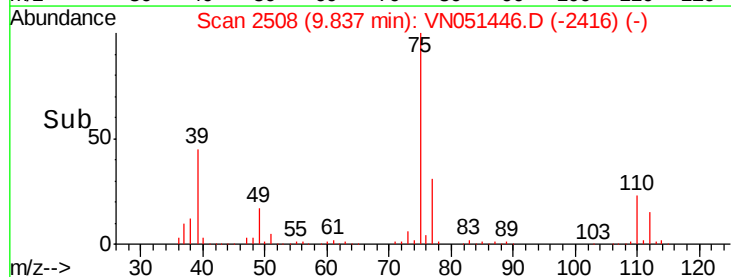
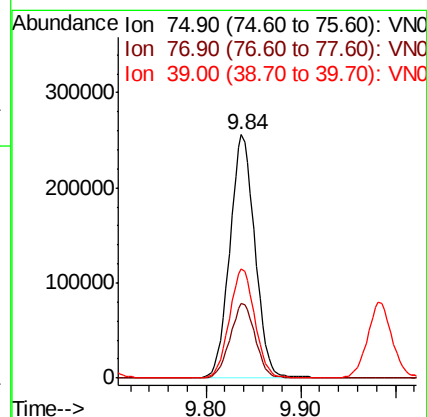
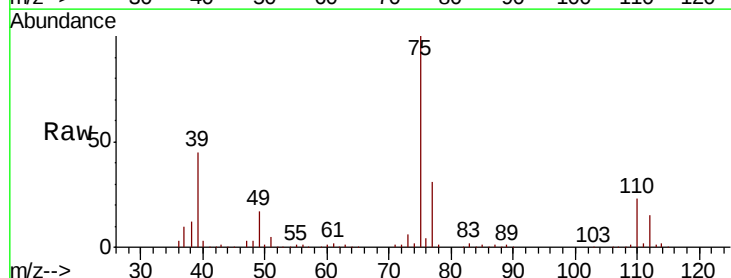
Tgt Ion: 75 Resp: 471943

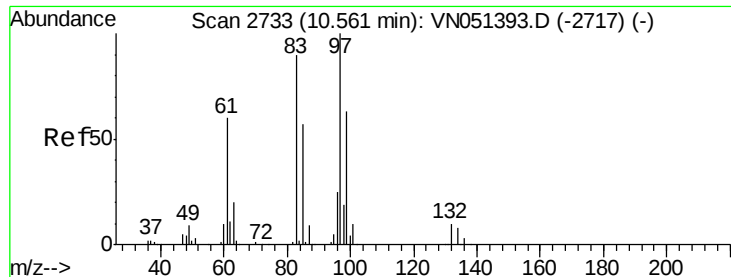
Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 44.8 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 49.808 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 257032

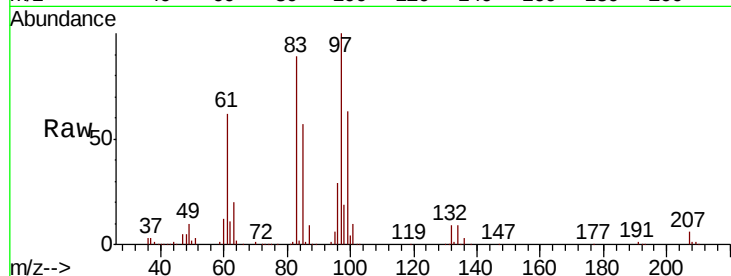
Ion Ratio Lower Upper

97 100

83 89.1 72.0 108.0

85 56.5 45.2 67.8

99 62.6 50.7 76.1

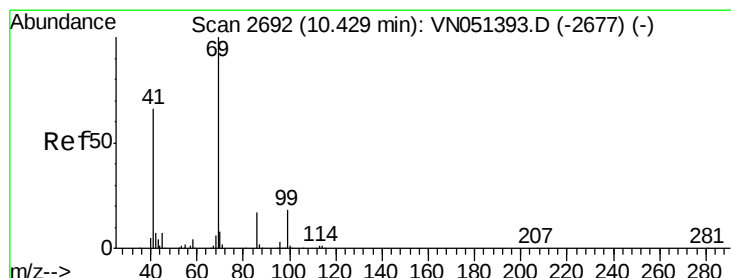
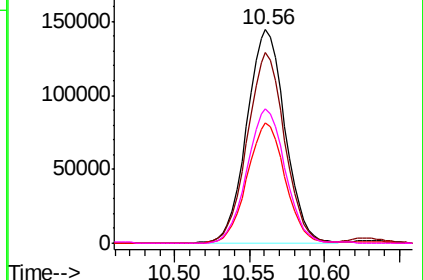
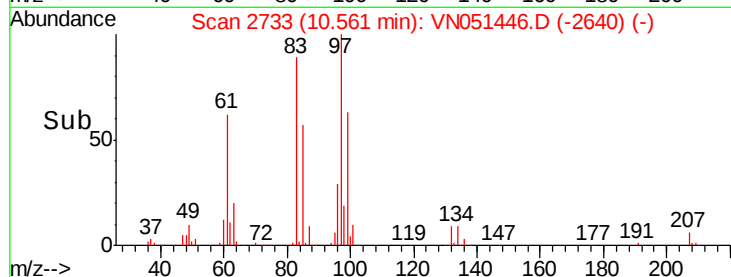


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.157 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

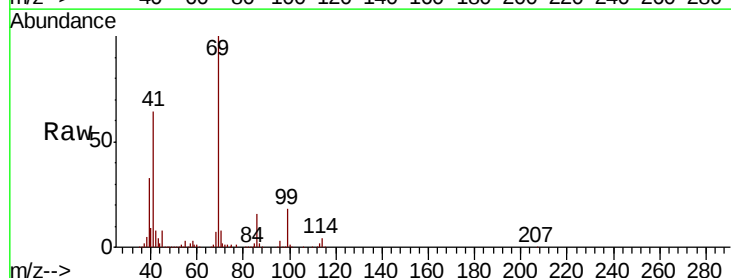
Tgt Ion: 69 Resp: 310145

Ion Ratio Lower Upper

69 100

41 64.0 52.4 78.6

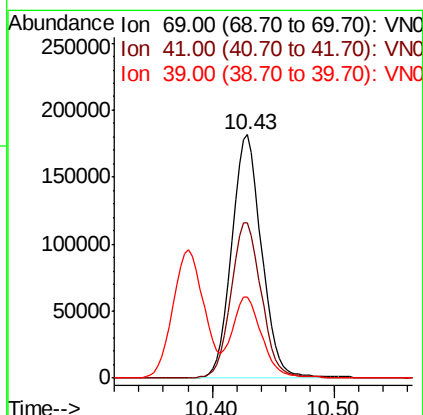
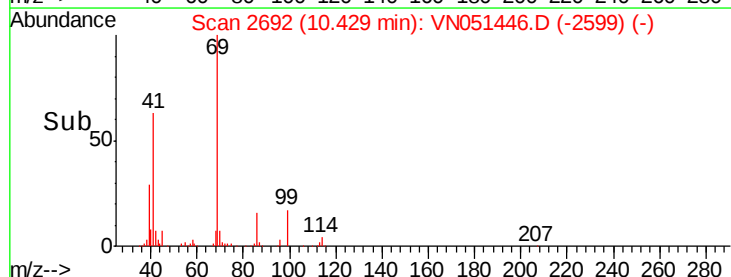
39 32.5 26.3 39.5

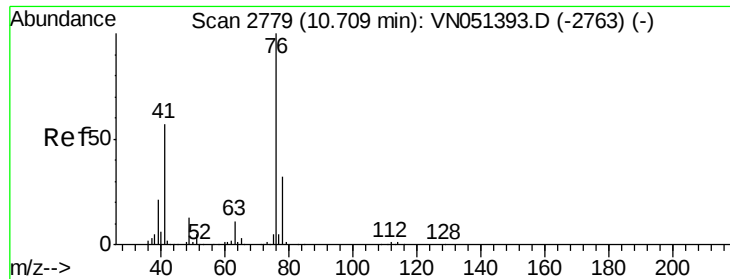


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

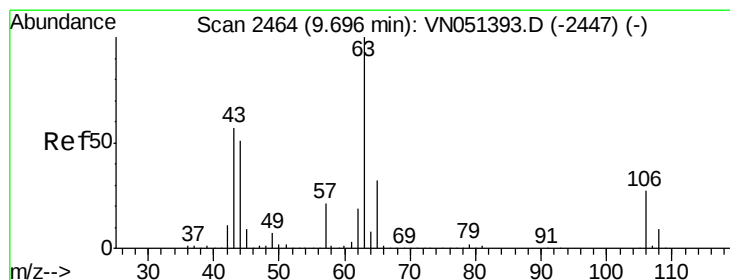
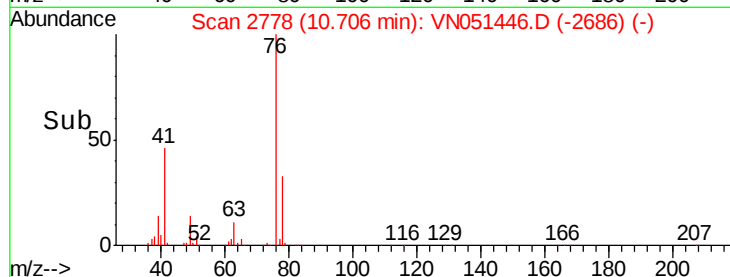
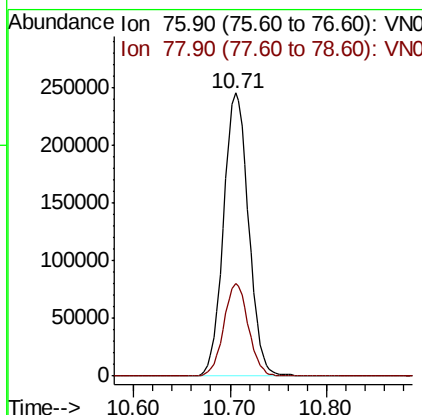
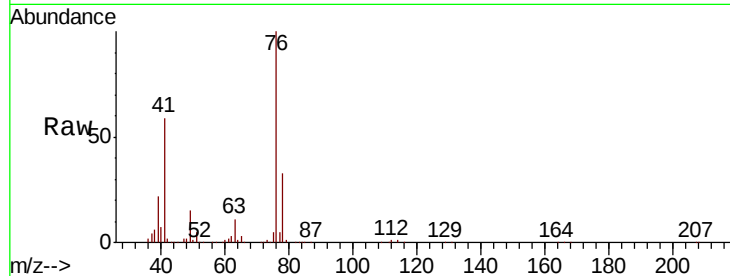




#57
 1,3-Dichloropropane
 Concen: 49.820 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

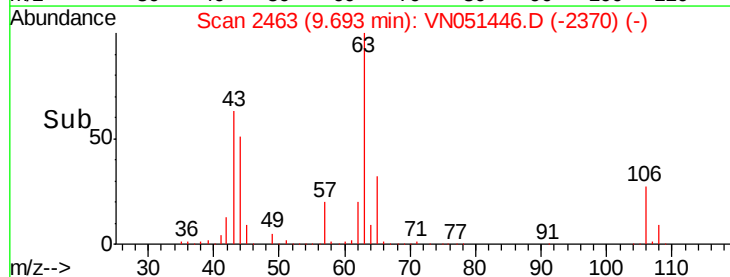
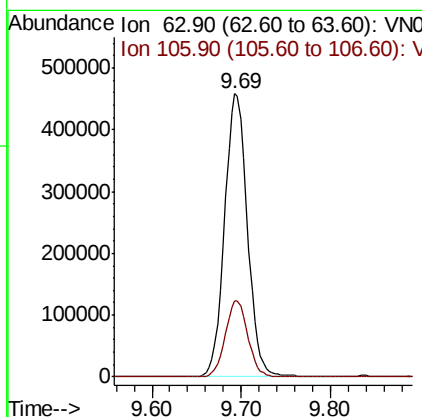
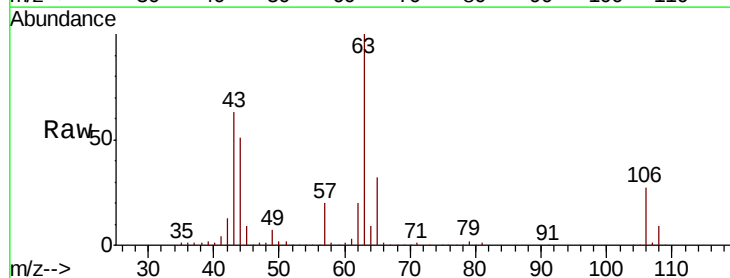
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

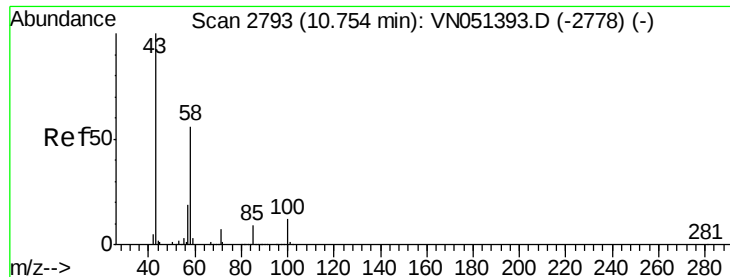
Tot Ion: 76 Resp: 440657
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.717 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 63 Resp: 811674
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.4 32.2

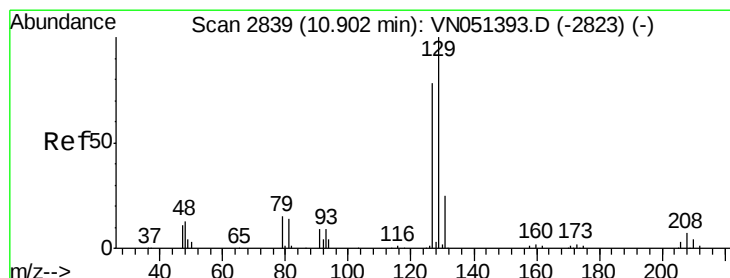
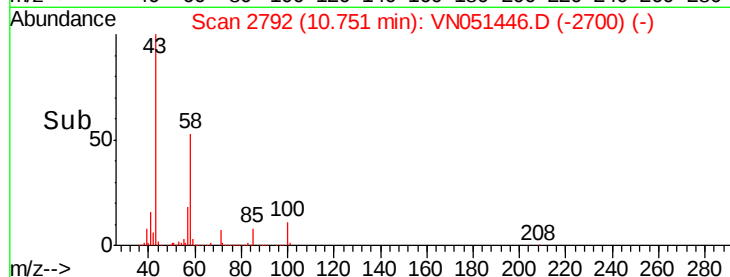
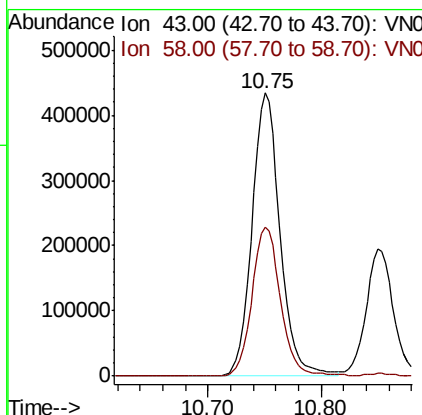
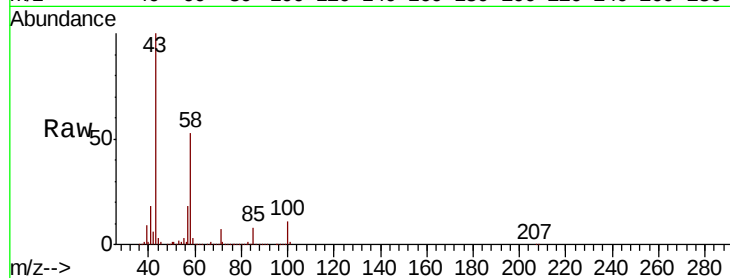




#59
2-Hexanone
Concen: 250.744 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

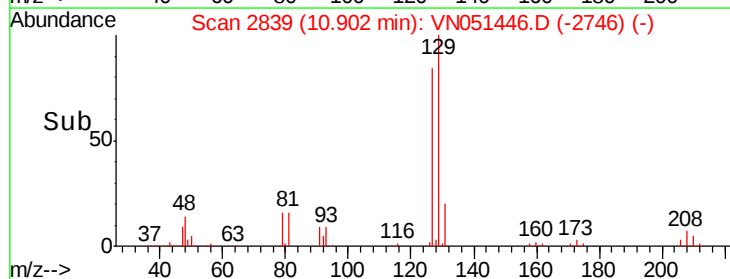
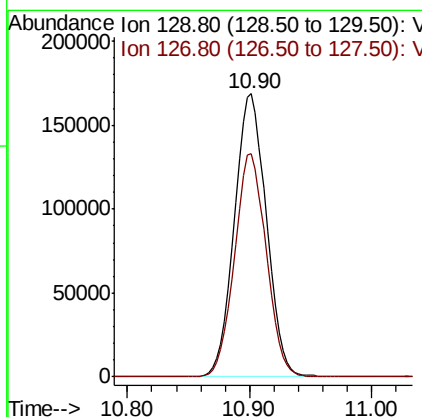
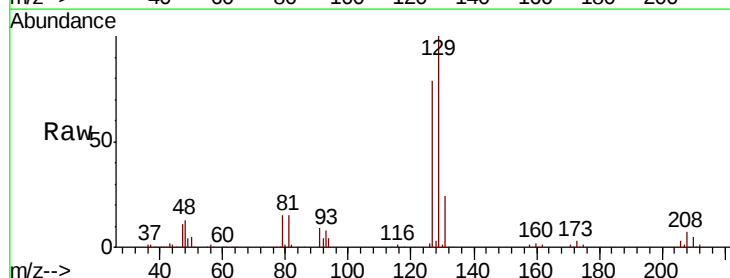
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

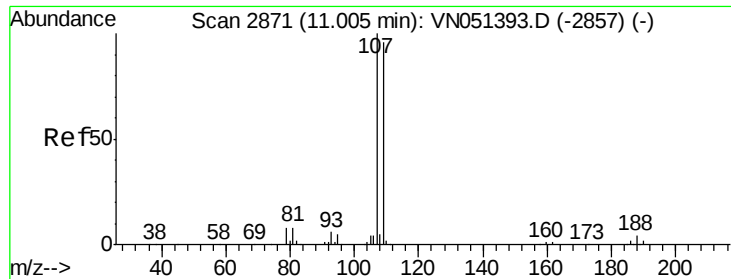
Tot Ion: 43 Resp: 743734
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.0



#60
Dibromochloromethane
Concen: 50.417 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 129 Resp: 306972
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.532 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

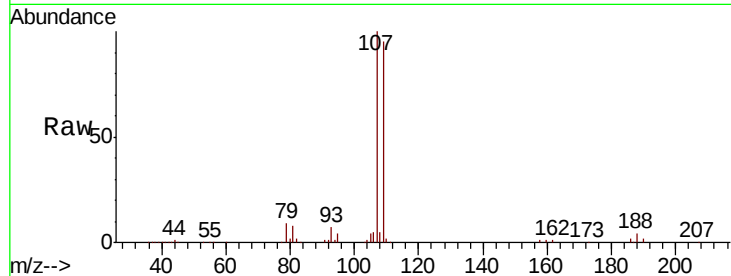
VSTDCCC050

Tot Ion: 107 Resp: 248135

Ion Ratio Lower Upper

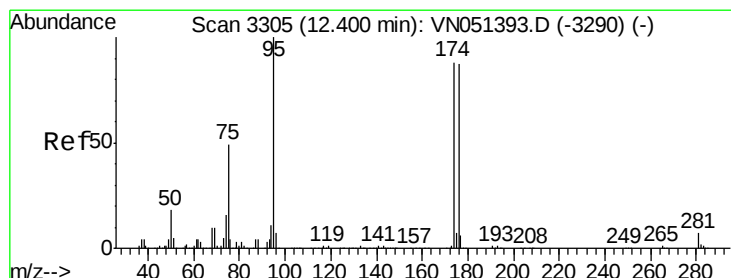
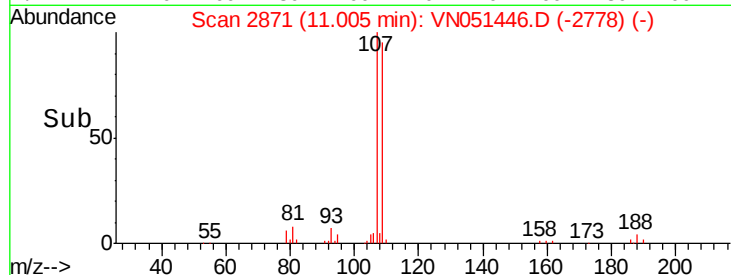
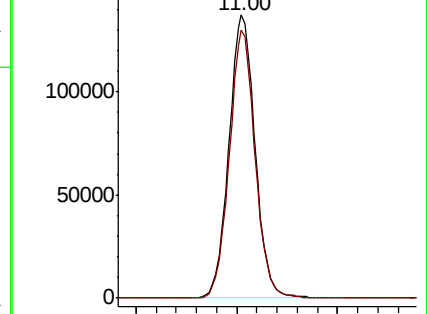
107 100

109 93.3 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.334 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

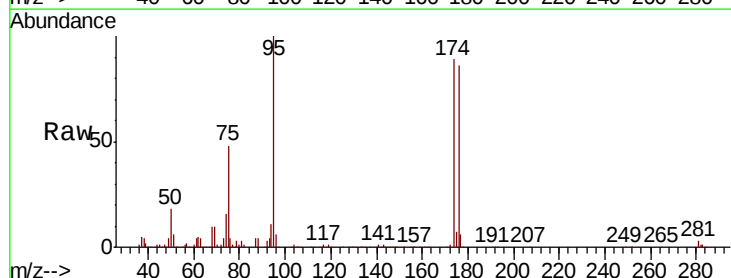
Tgt Ion: 95 Resp: 338810

Ion Ratio Lower Upper

95 100

174 90.7 0.0 181.6

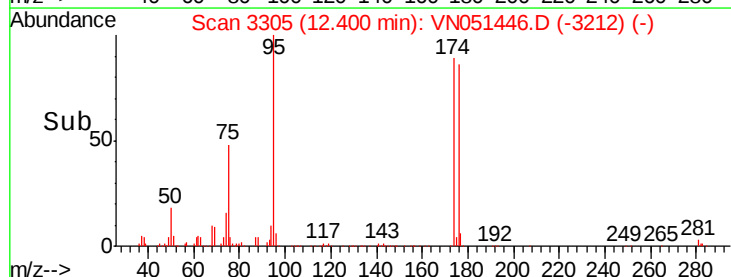
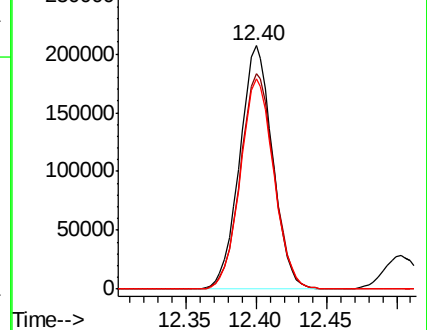
176 88.0 0.0 176.4

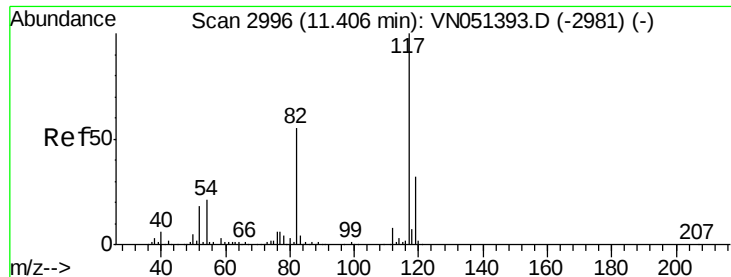


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

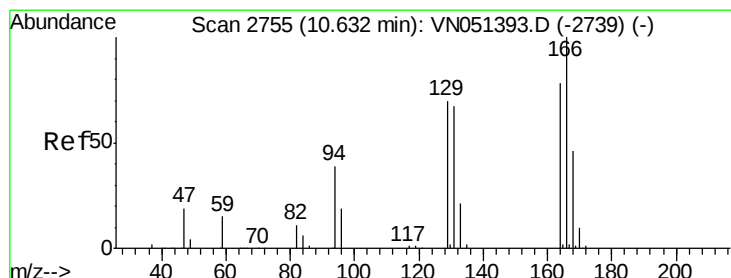
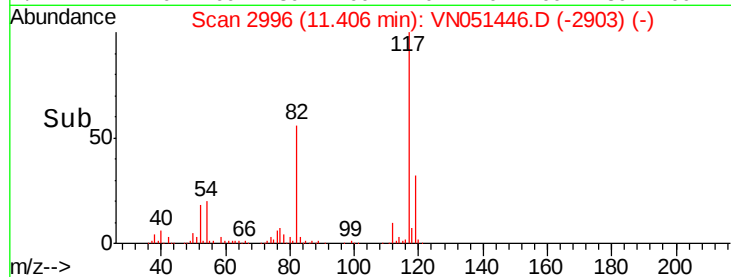
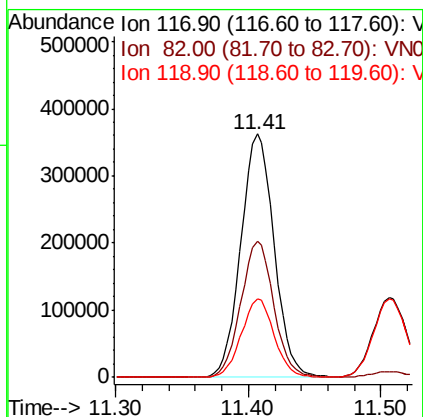
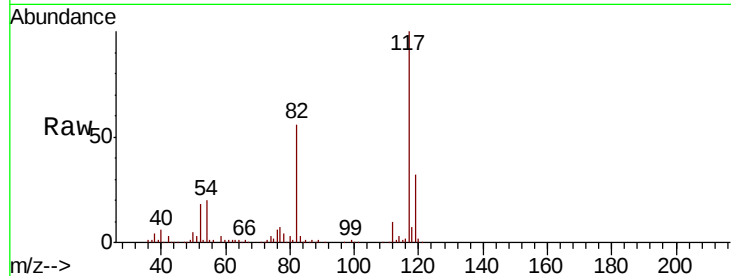




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

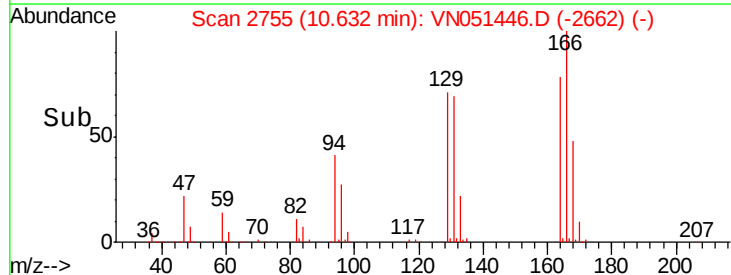
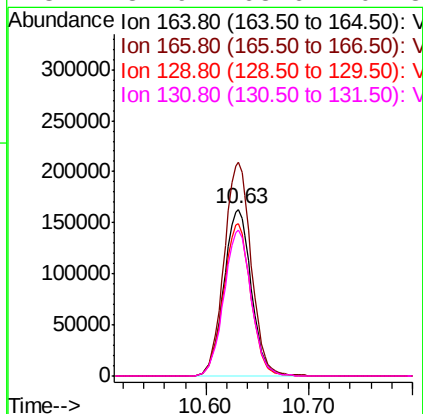
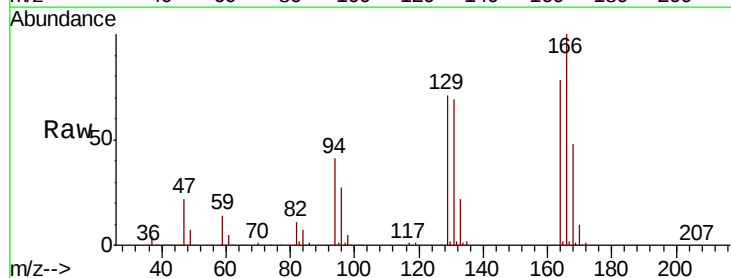
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

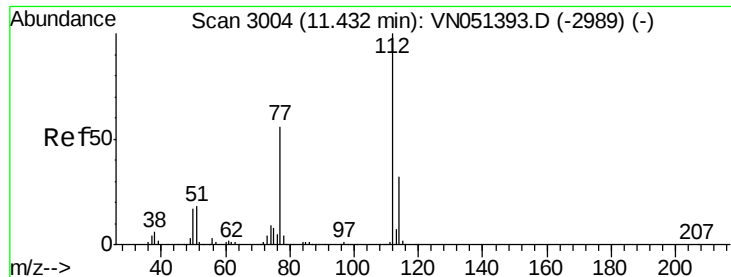
Tot Ion:117 Resp: 632824
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.1 25.9 38.9



#64
Tetrachloroethene
Concen: 52.551 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion:164 Resp: 301811
Ion Ratio Lower Upper
164 100
166 128.3 102.3 153.5
129 91.2 71.8 107.8
131 87.9 68.6 102.8





#65

Chlorobenzene

Concen: 48.614 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

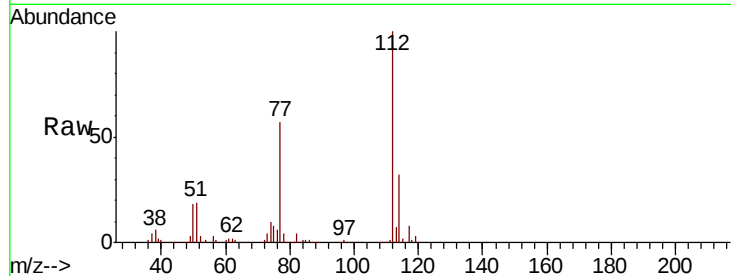
VSTDCCC050

Tot Ion:112 Resp: 789303

Ion Ratio Lower Upper

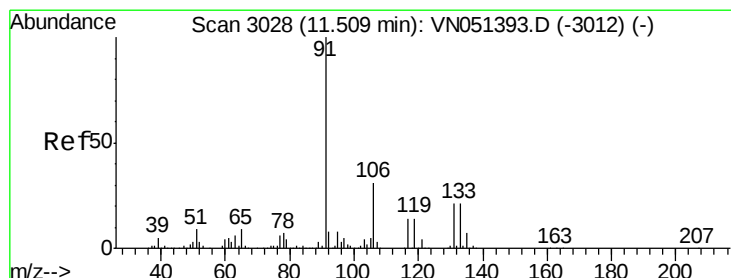
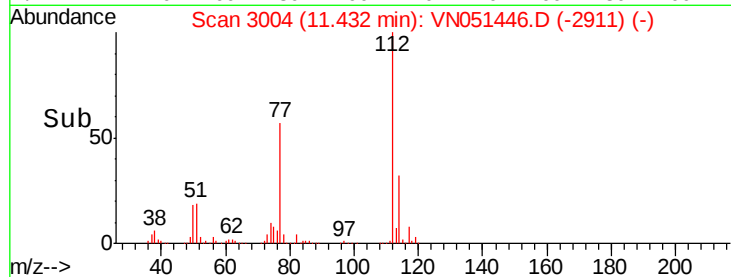
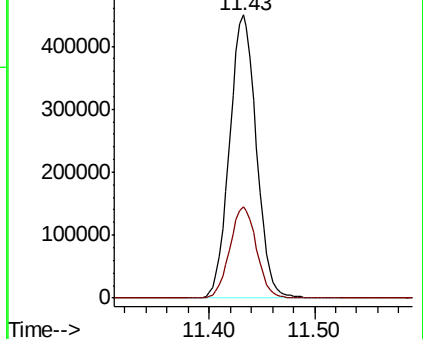
112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.207 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

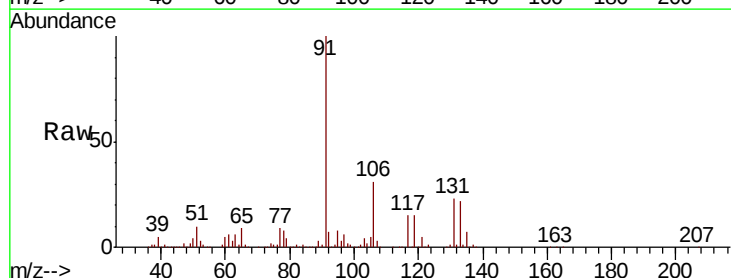
Tgt Ion:131 Resp: 310570

Ion Ratio Lower Upper

131 100

133 95.0 48.3 144.8

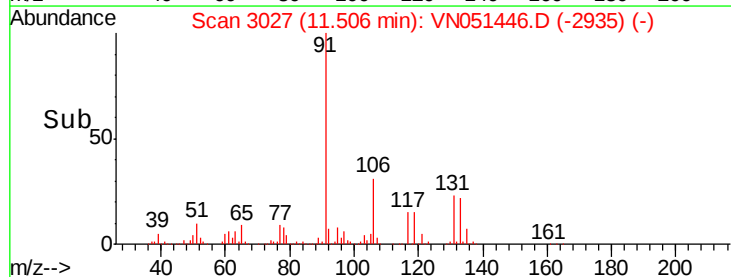
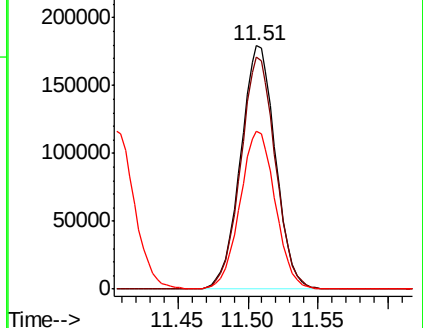
119 65.7 32.8 98.4

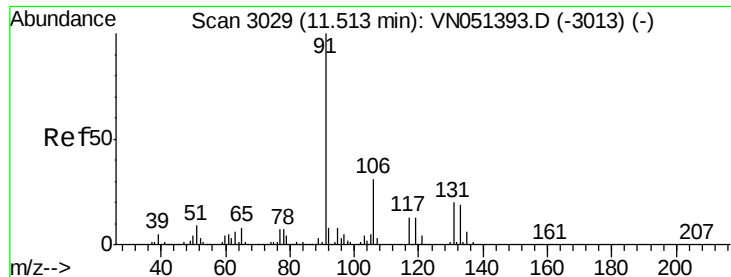


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

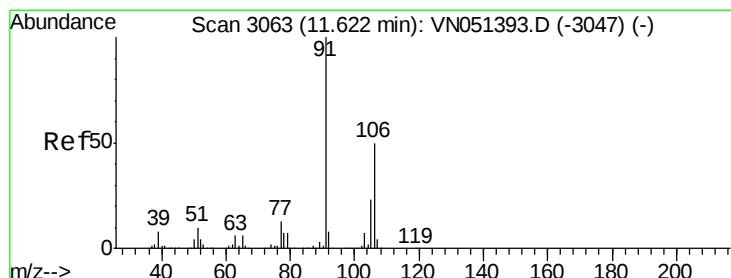
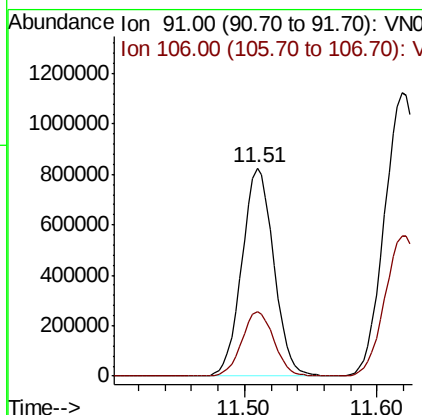
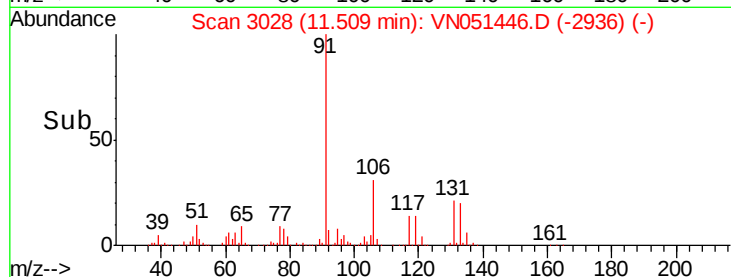
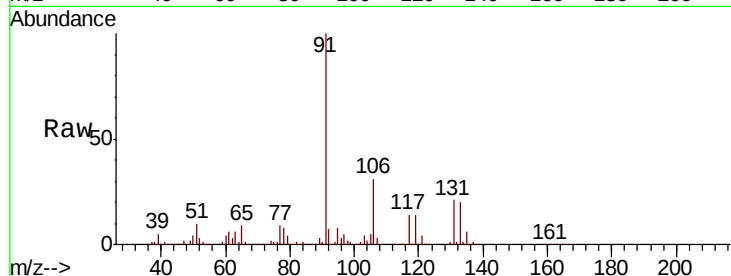




#67
Ethyl Benzene
Concen: 50.318 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

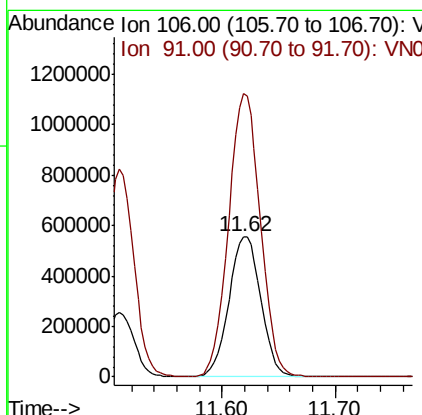
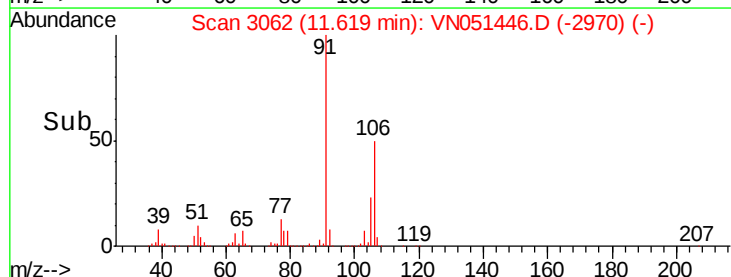
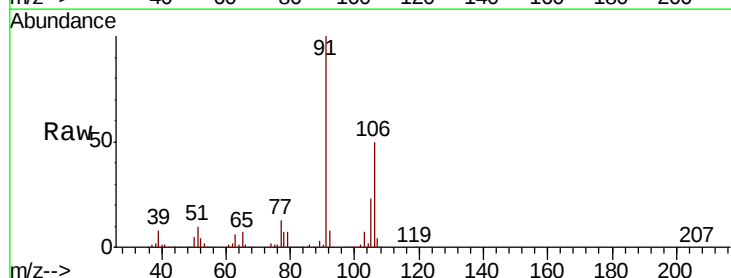
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

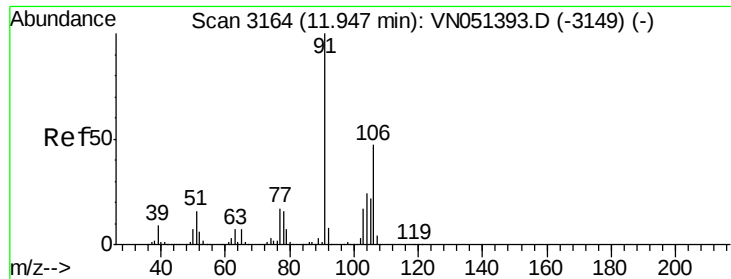
Tot Ion: 91 Resp: 1376839
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 102.920 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 106 Resp: 1089302
Ion Ratio Lower Upper
106 100
91 201.1 161.3 241.9

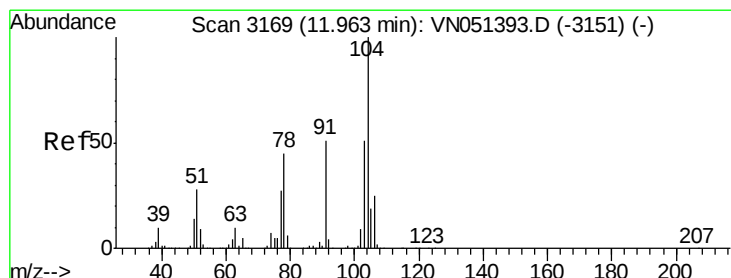
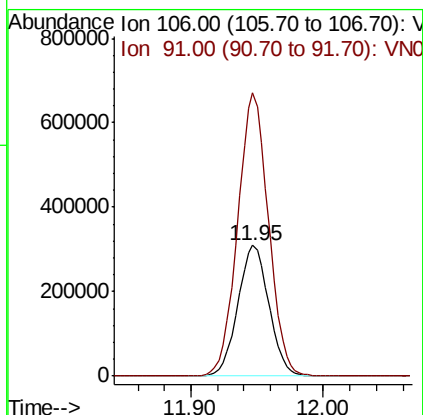
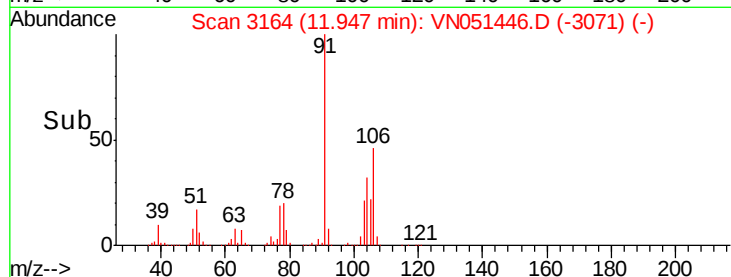
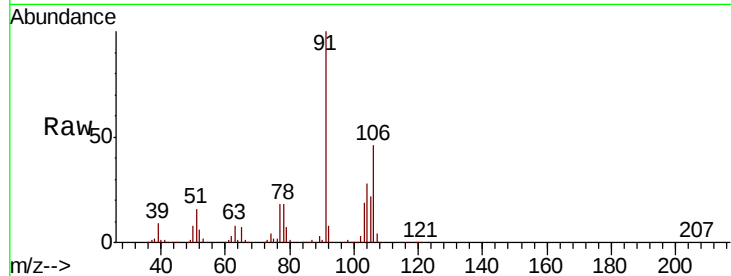




#69
o-Xylene
Concen: 49.552 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

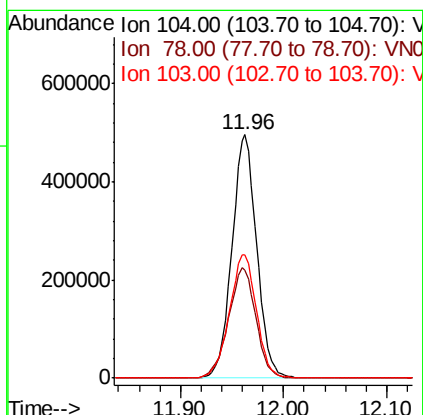
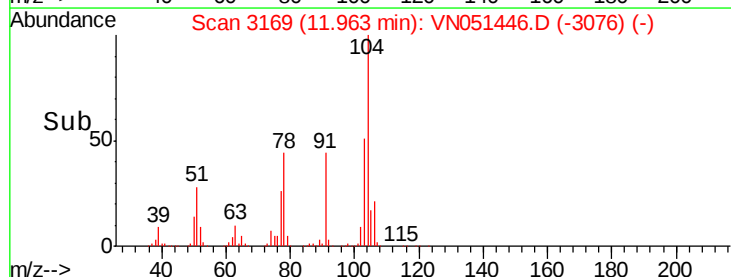
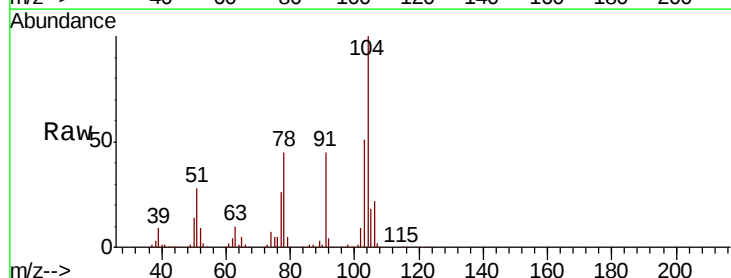
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

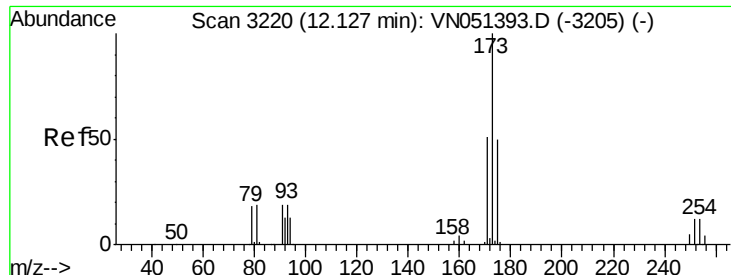
Tot Ion:106 Resp: 504178
Ion Ratio Lower Upper
106 100
91 214.7 105.3 315.9



#70
Styrene
Concen: 51.408 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion:104 Resp: 828848
Ion Ratio Lower Upper
104 100
78 50.1 39.9 59.9
103 55.6 44.6 66.8

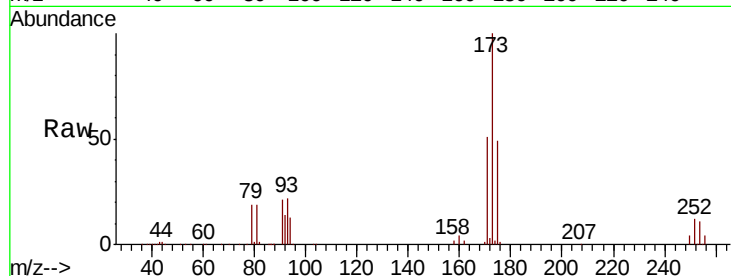




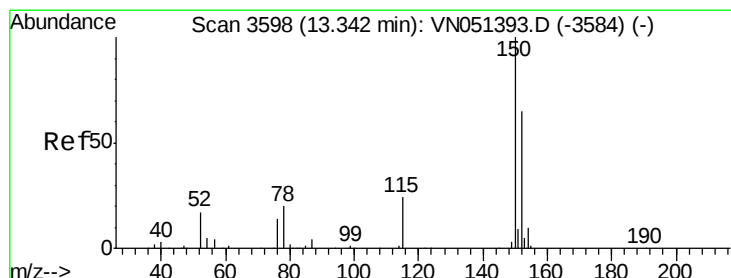
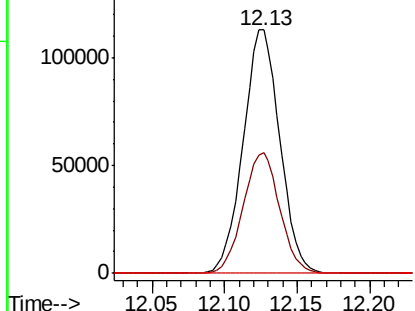
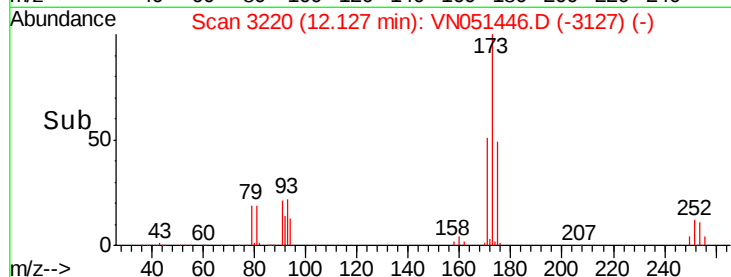
#71
Bromoform
Concen: 47.391 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:173 Resp: 198916
Ion Ratio Lower Upper
173 100
175 49.4 24.8 74.3
254 0.2 0.2 0.2

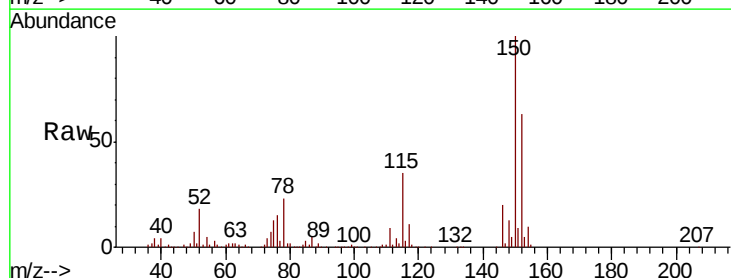


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

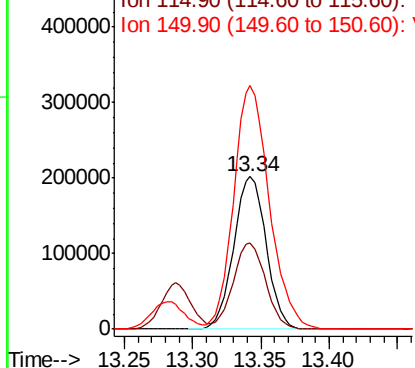
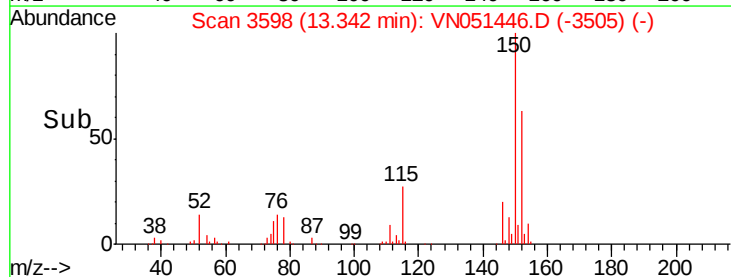


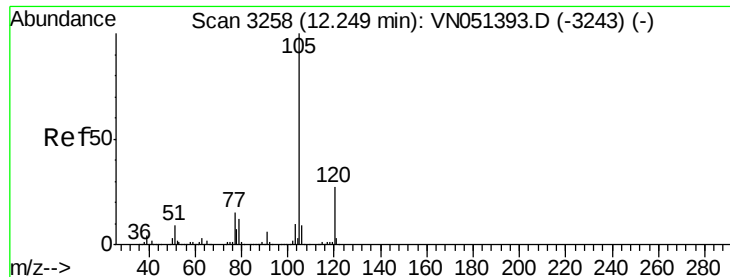
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion:152 Resp: 333018
Ion Ratio Lower Upper
152 100
115 56.3 28.3 84.9
150 175.5 0.0 353.6



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: 49.202 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

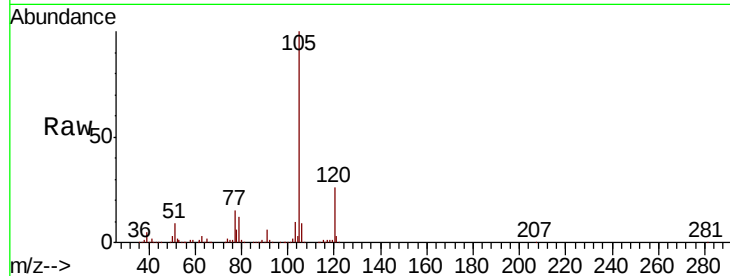
VSTDCCC050

Tot Ion:105 Resp: 1382472

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

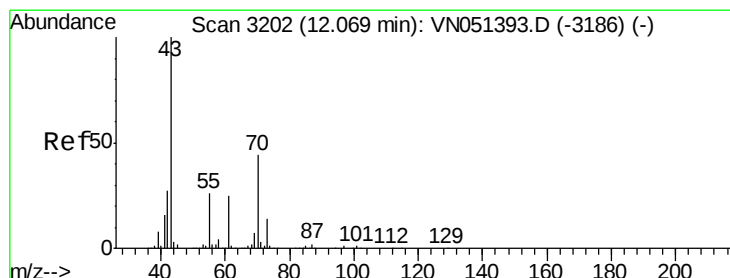
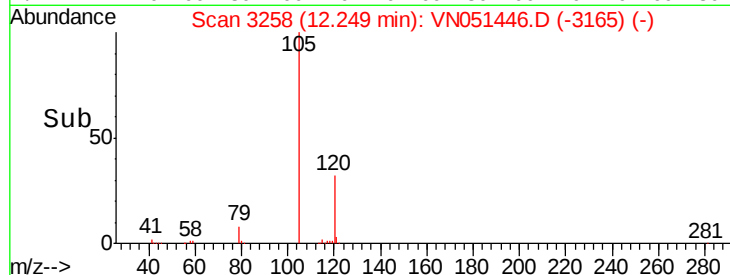
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 46.151 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Tgt Ion: 43 Resp: 325363

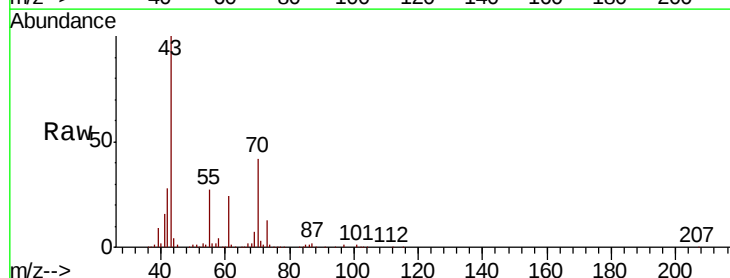
Ion Ratio Lower Upper

43 100

70 42.2 35.0 52.4

55 27.6 21.4 32.2

61 24.0 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

100000

50000

0

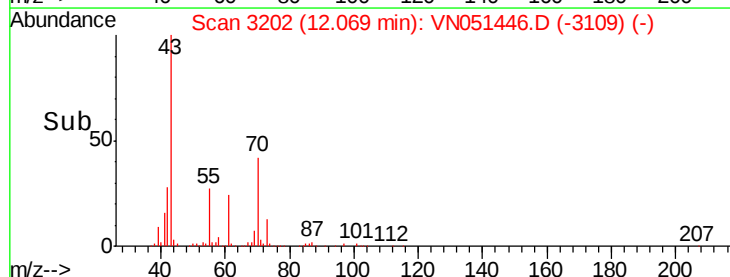
12.00

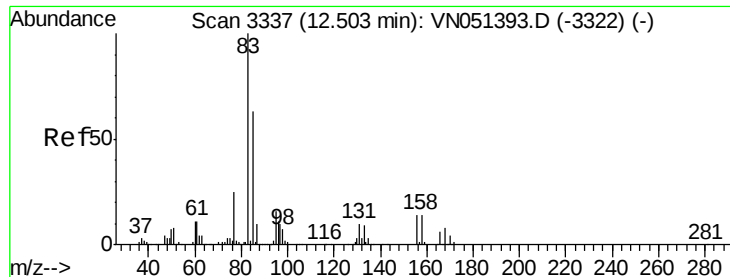
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

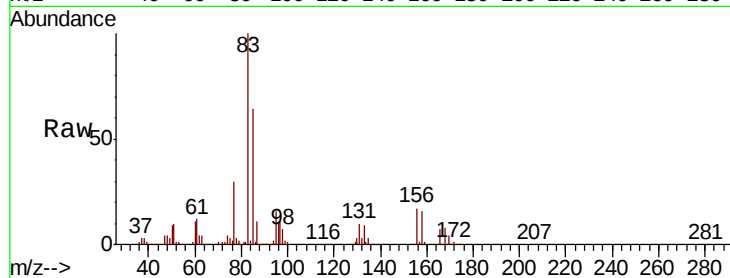
Tot Ion: 83 Resp: 299697

Ion Ratio Lower Upper

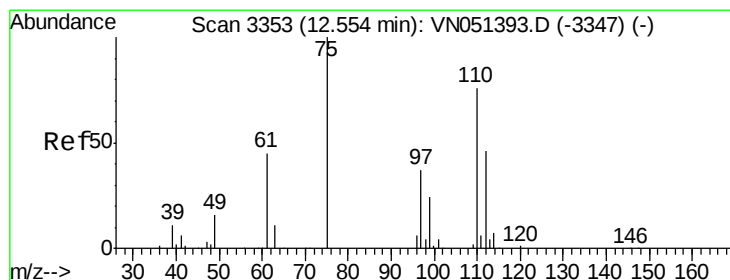
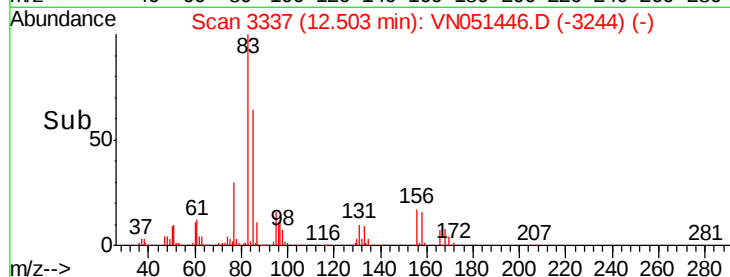
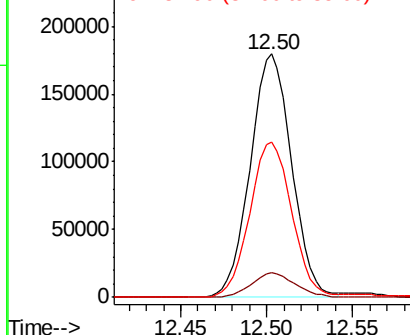
83 100

131 10.6 5.3 15.9

85 64.6 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 67.809 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051446.D

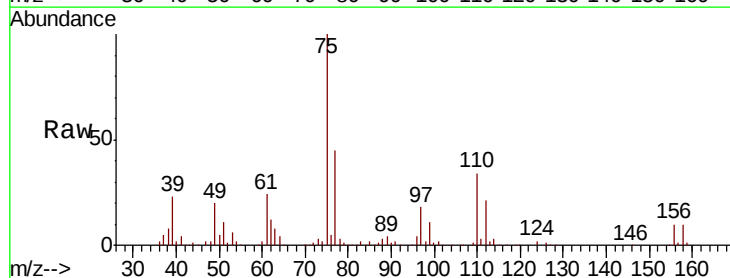
Acq: 24 Sep 2018 8:26

Tgt Ion: 75 Resp: 374868

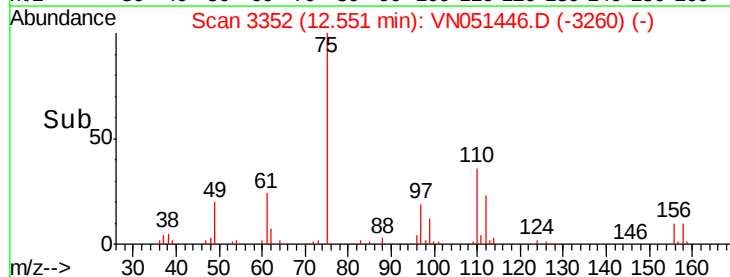
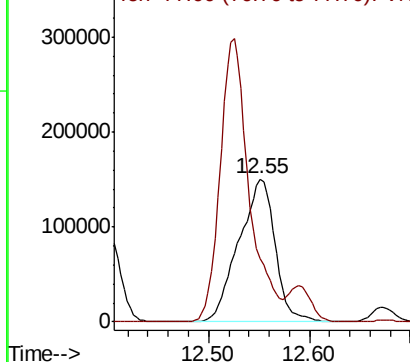
Ion Ratio Lower Upper

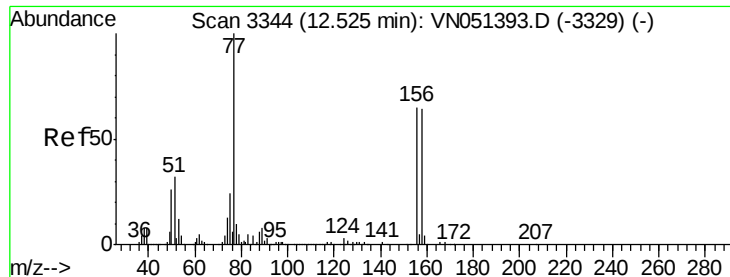
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.412 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

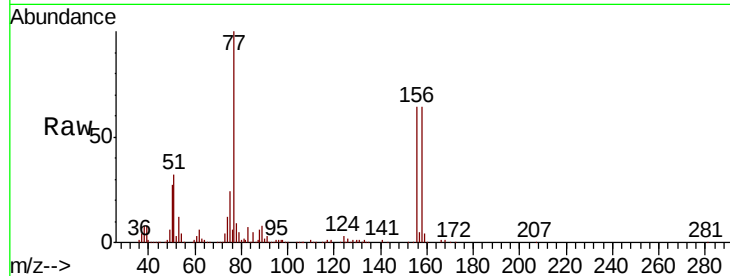
Tot Ion:156 Resp: 337243

Ion Ratio Lower Upper

156 100

77 178.9 89.5 268.4

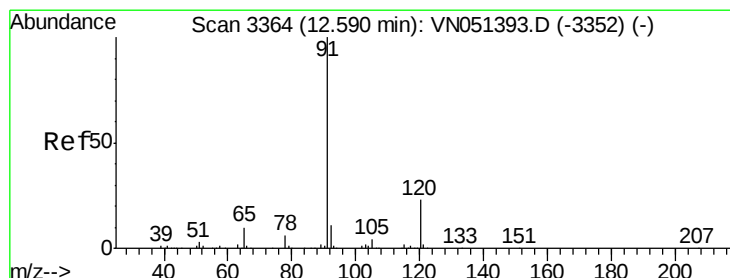
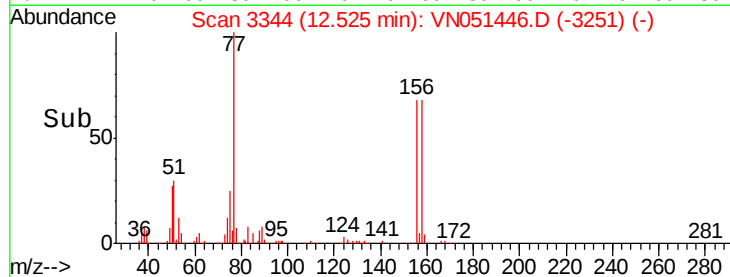
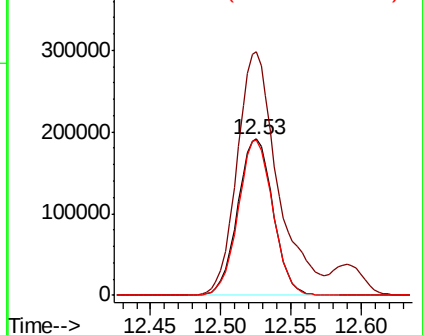
158 97.3 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.494 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051446.D

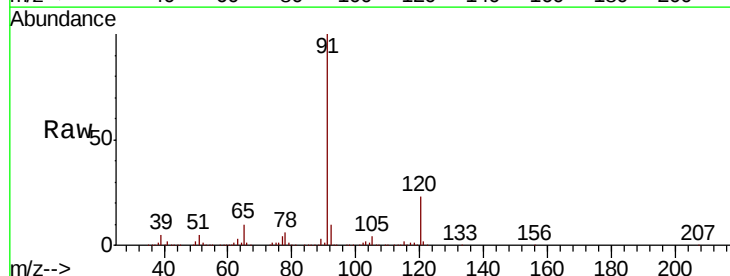
Acq: 24 Sep 2018 8:26

Tgt Ion: 91 Resp: 1599001

Ion Ratio Lower Upper

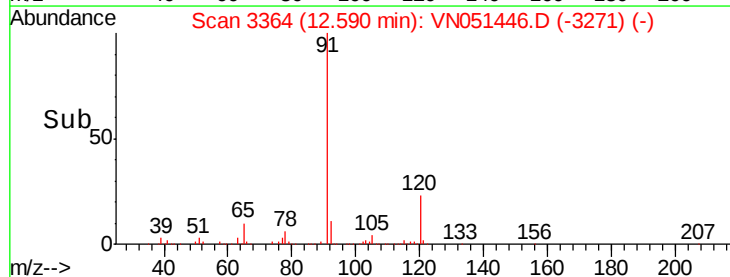
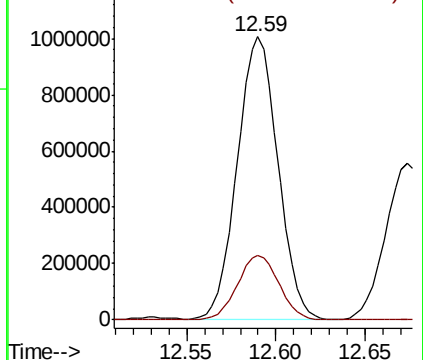
91 100

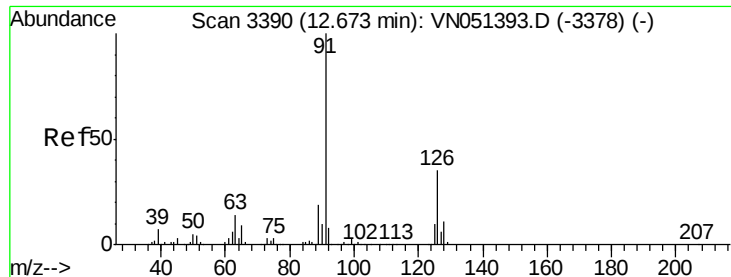
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.216 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

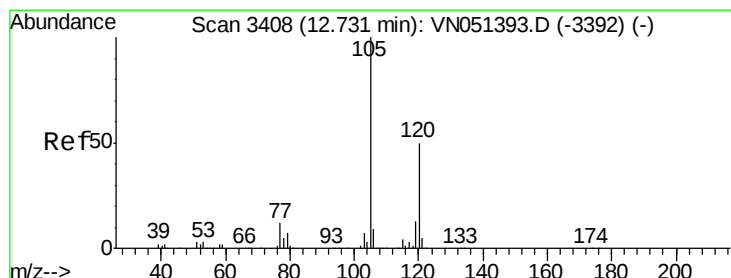
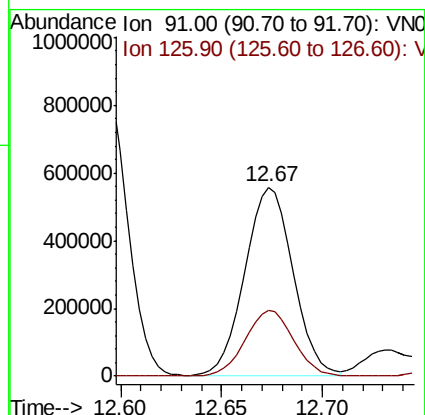
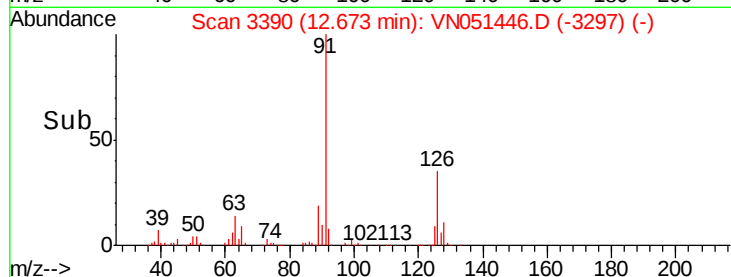
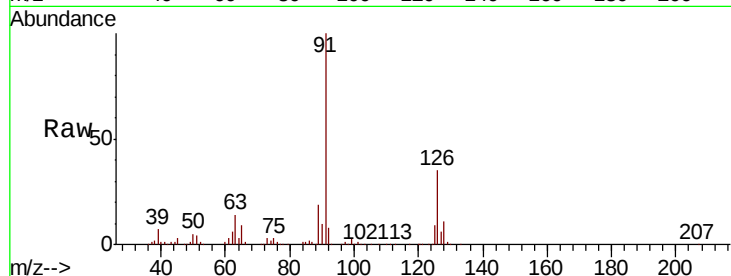
VSTDCCC050

Tot Ion: 91 Resp: 932915

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 51.065 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051446.D

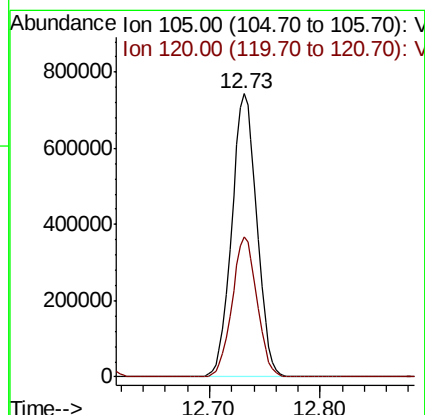
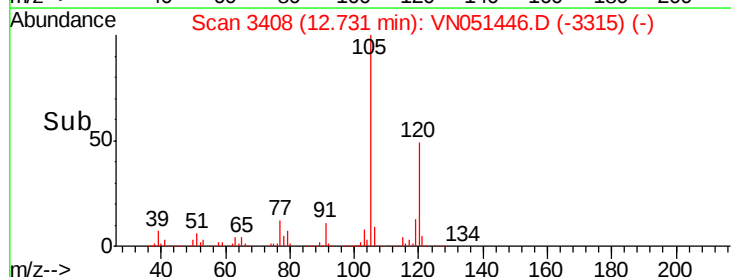
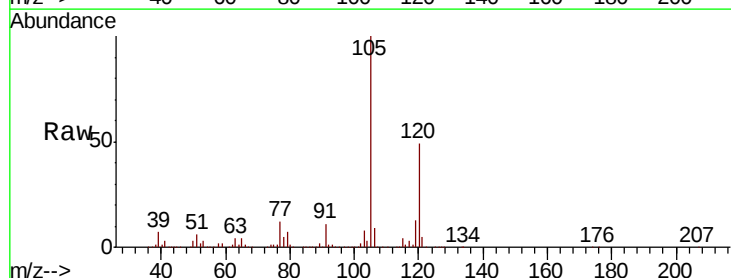
Acq: 24 Sep 2018 8:26

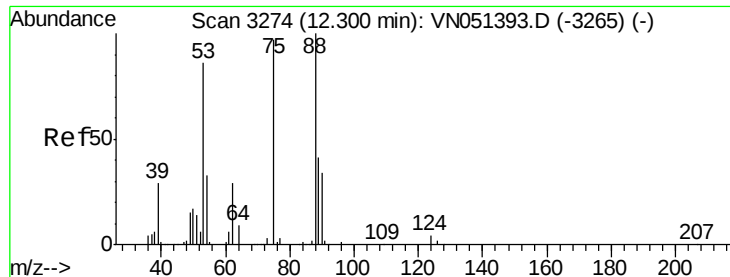
Tgt Ion: 105 Resp: 1169974

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.102 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

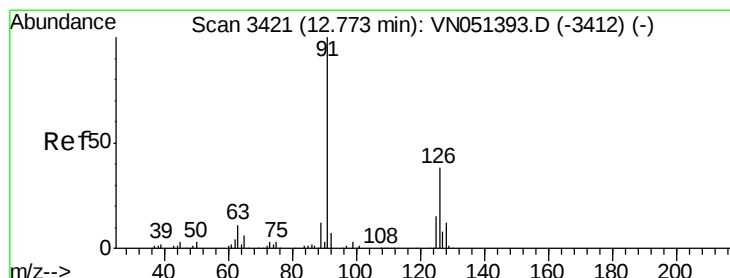
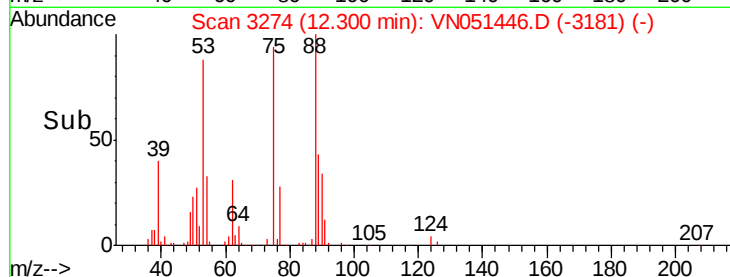
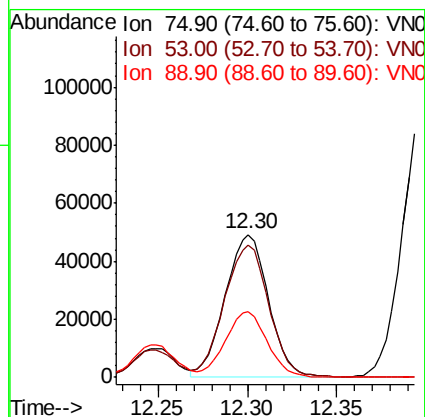
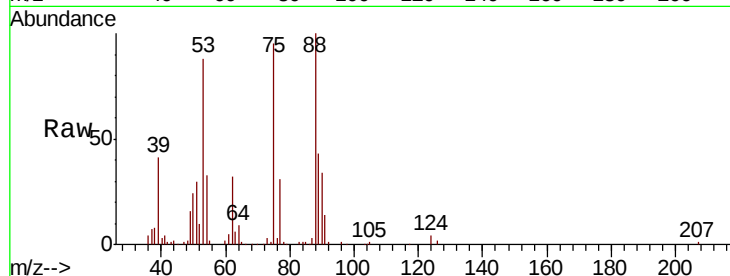
Tot Ion: 75 Resp: 82886

Ion Ratio Lower Upper

75 100

53 95.9 73.9 110.9

89 44.6 36.7 55.1



#82

4-Chlorotoluene

Concen: 49.693 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051446.D

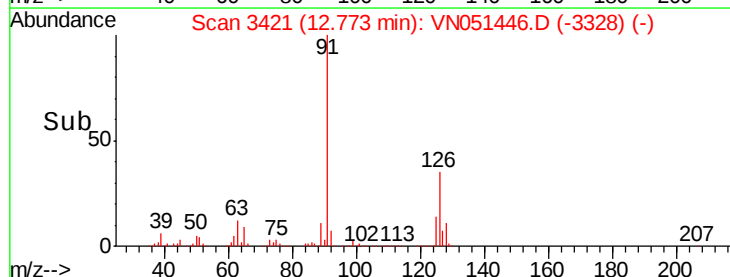
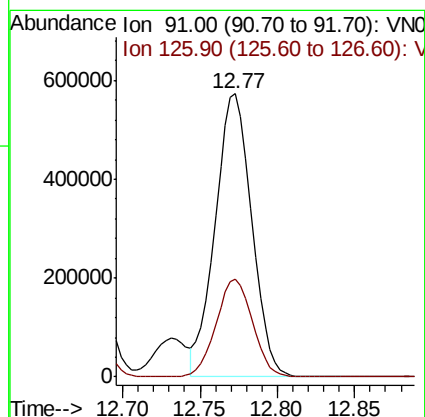
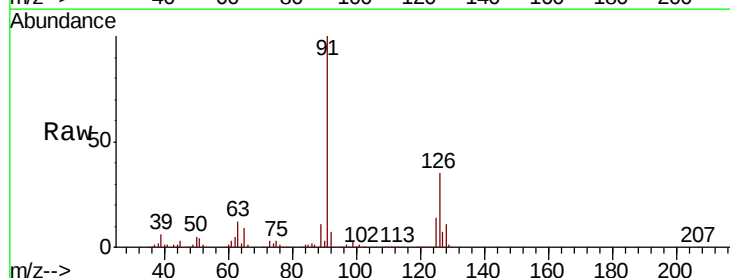
Acq: 24 Sep 2018 8:26

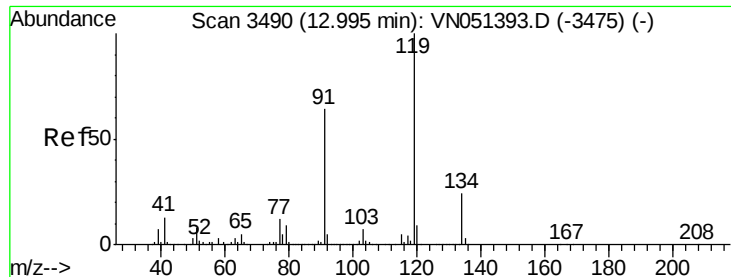
Tgt Ion: 91 Resp: 940165

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.5

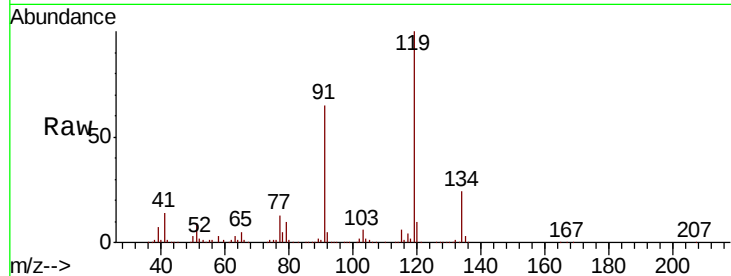




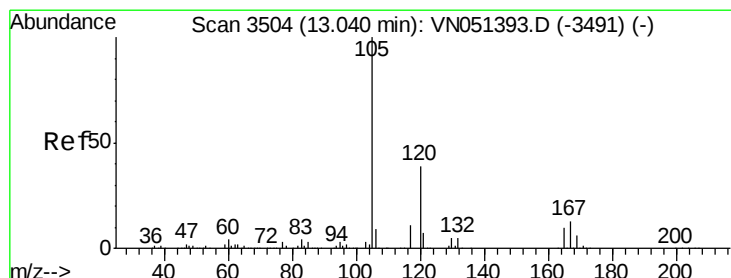
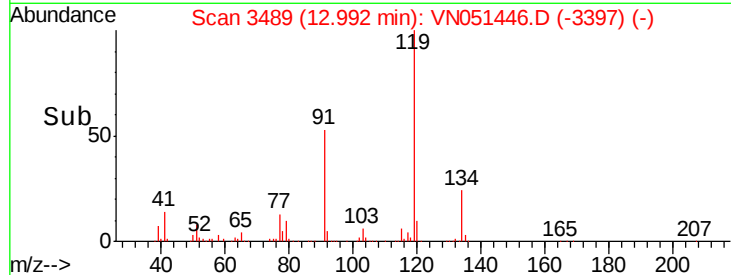
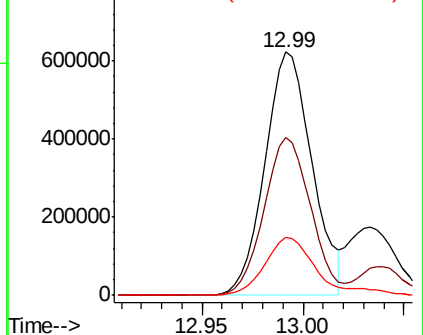
#83
tert-Butylbenzene
Concen: 49.564 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1010753
Ion Ratio Lower Upper
119 100
91 64.1 31.7 95.1
134 26.3 12.3 36.9

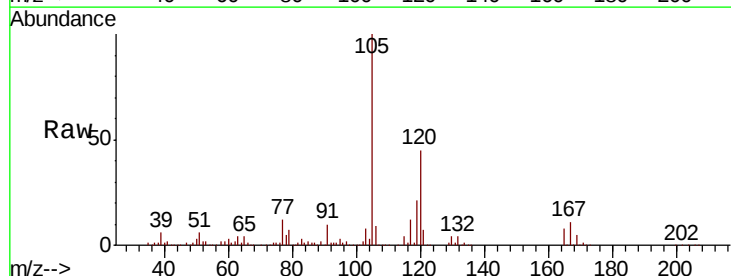


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

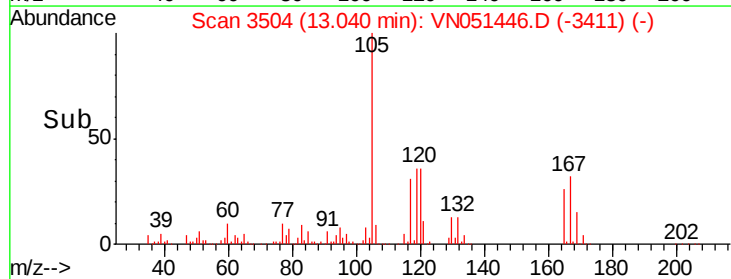
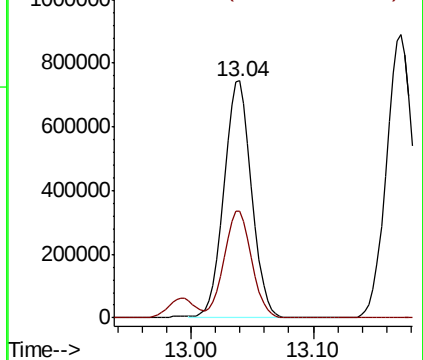


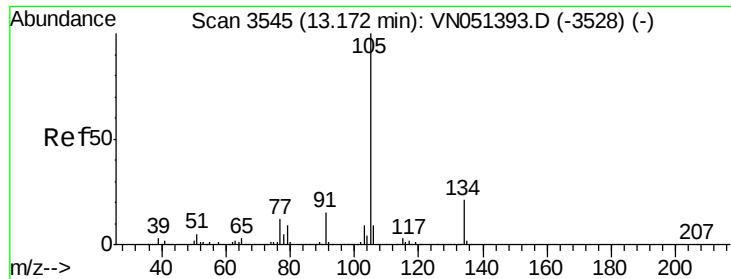
#84
1,2,4-Trimethylbenzene
Concen: 51.156 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion:105 Resp: 1181042
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: 50.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

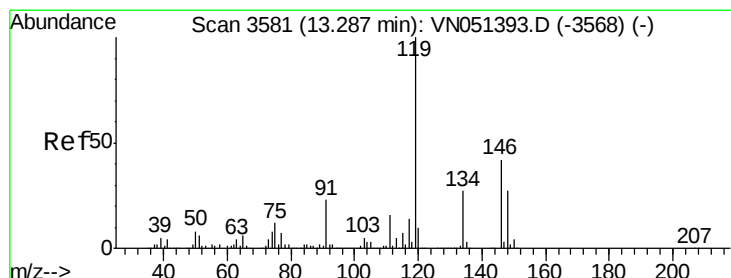
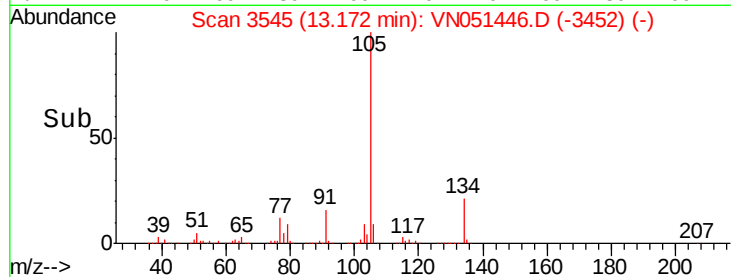
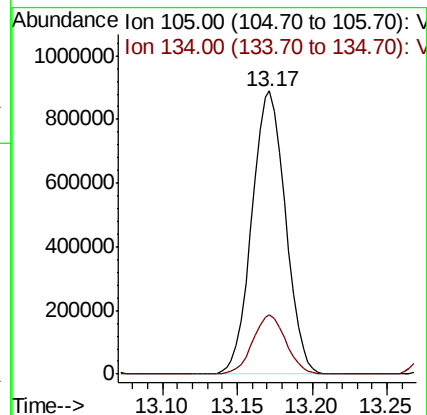
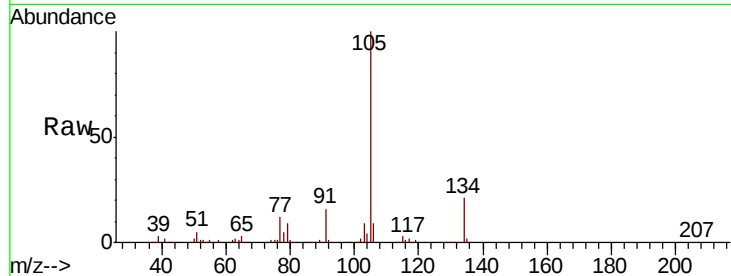
VSTDCCC050

Tot Ion:105 Resp: 1390205

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 51.112 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

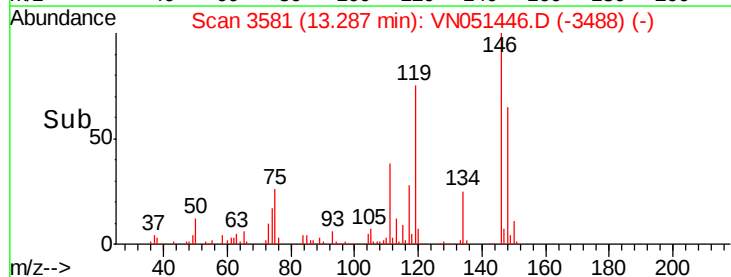
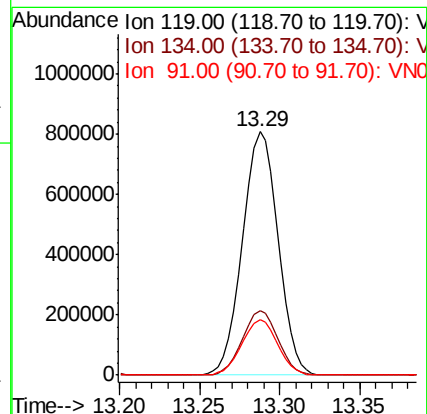
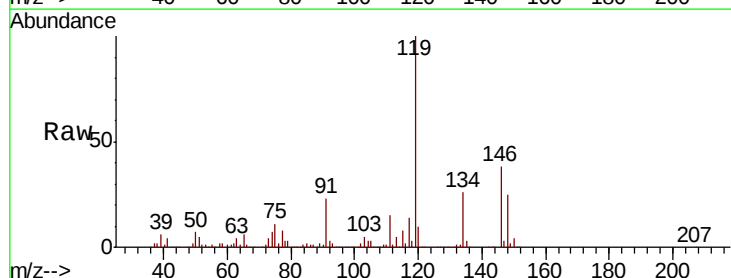
Tgt Ion:119 Resp: 1220142

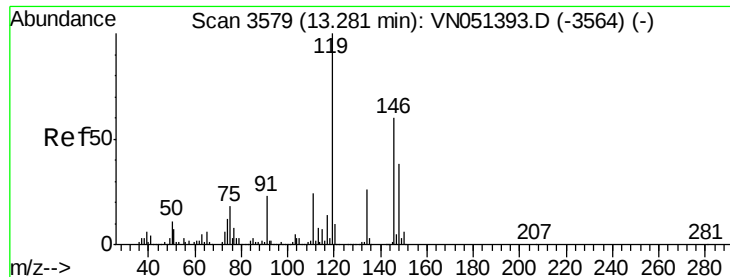
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.012 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

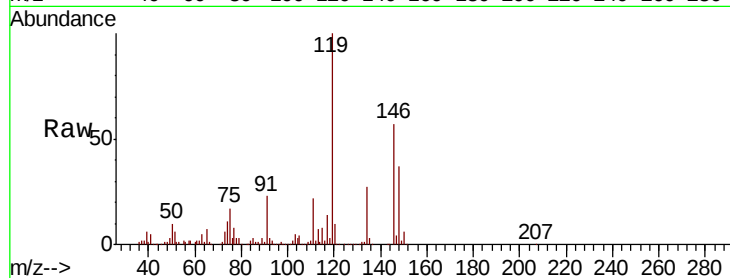
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 603297

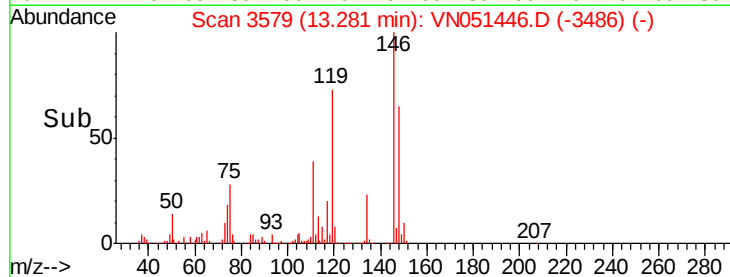
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.6	31.9	95.7



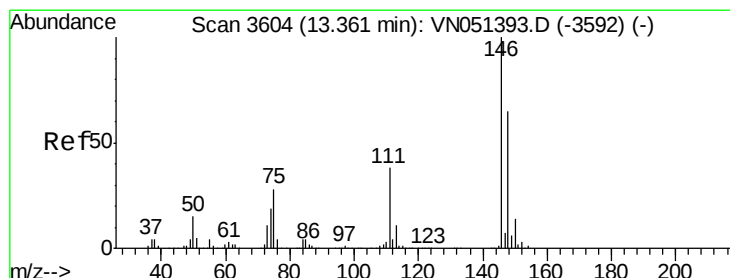
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.20 13.25 13.30 13.35



#88

1,4-Dichlorobenzene

Concen: 49.022 ug/l

RT: 13.36 min Scan# 3604

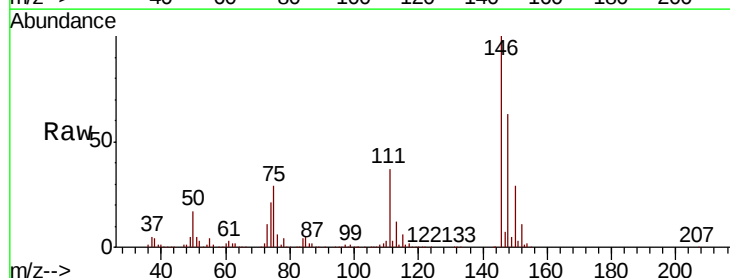
Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Tgt Ion:146 Resp: 580598

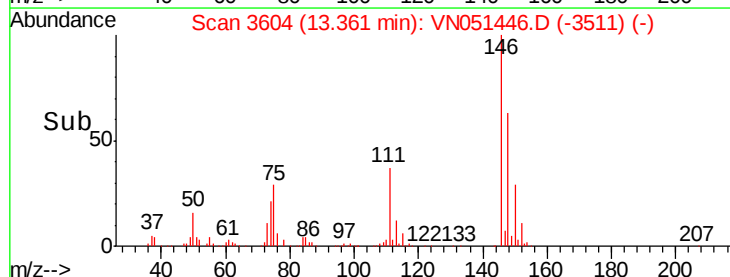
Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	63.2	32.5	97.5



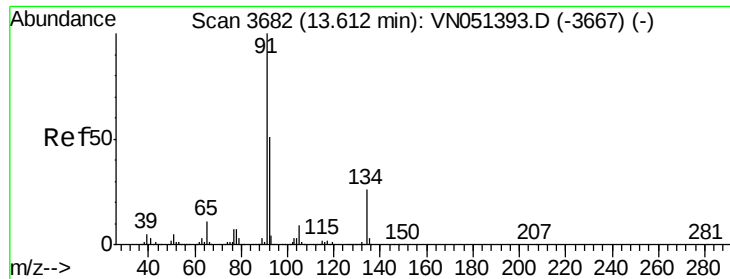
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.30 13.35 13.40 13.45



#89

n-Butylbenzene

Concen: 50.884 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

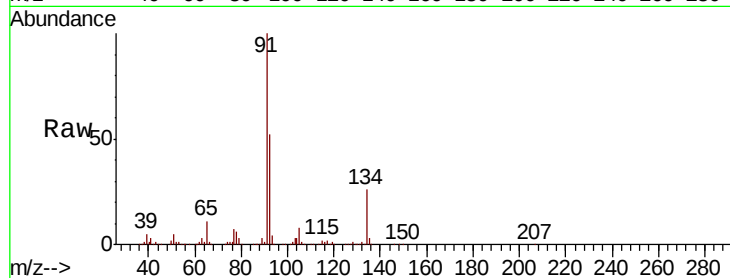
Tot Ion: 91 Resp: 998855

Ion Ratio Lower Upper

91 100

92 51.6 25.5 76.5

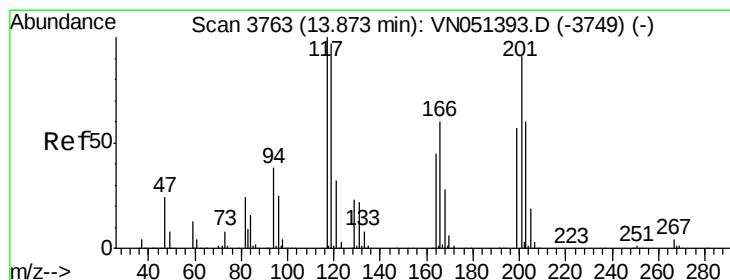
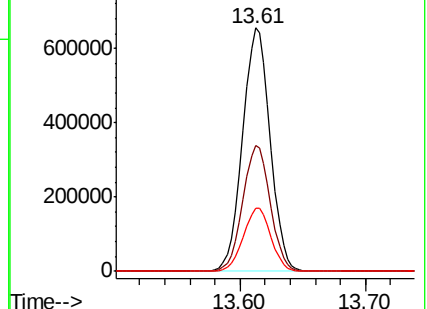
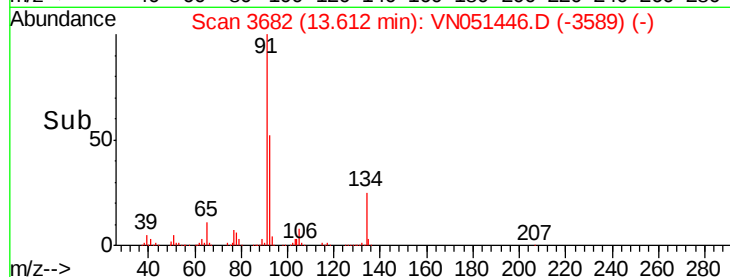
134 26.0 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051393.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051393.D (-3667) (-)



#90

Hexachloroethane

Concen: 48.185 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051446.D

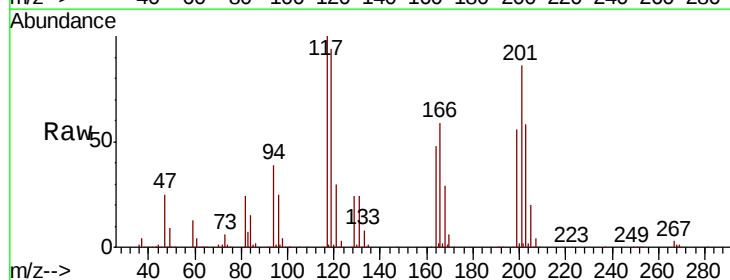
Acq: 24 Sep 2018 8:26

Tgt Ion: 117 Resp: 229186

Ion Ratio Lower Upper

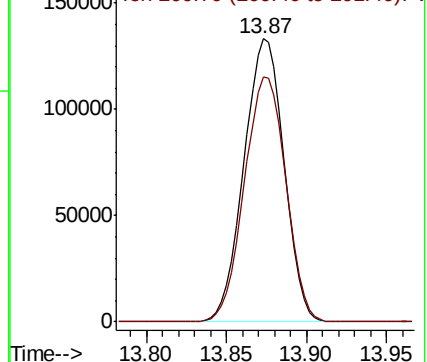
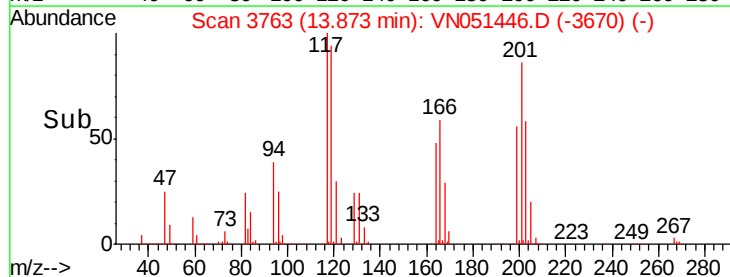
117 100

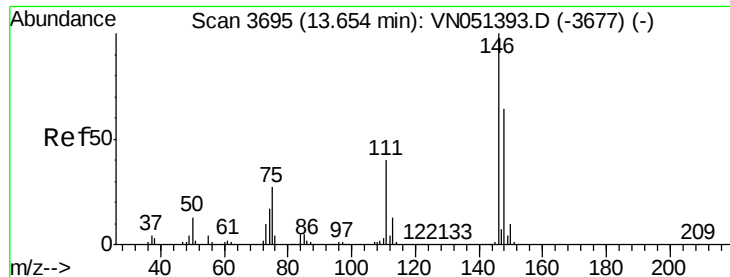
201 89.3 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051393.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.199 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

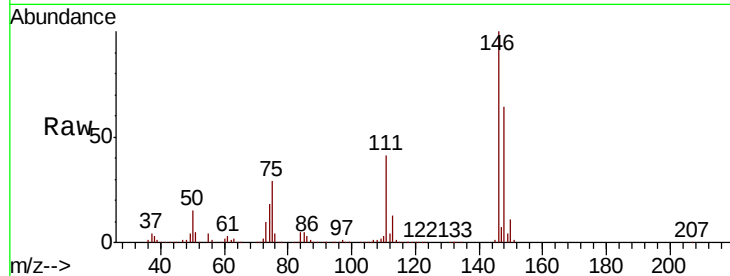
Tot Ion:146 Resp: 575651

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

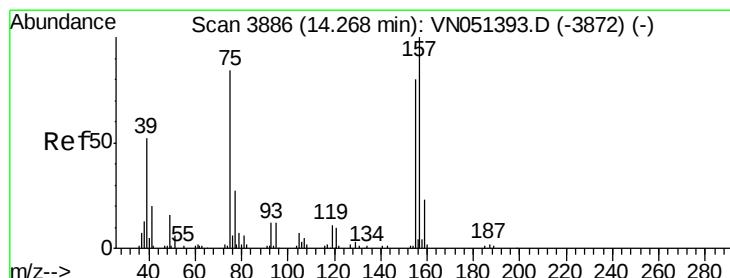
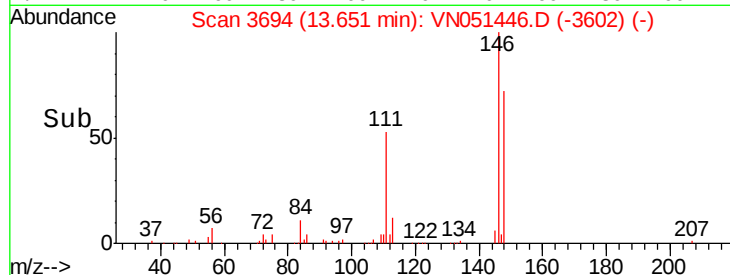
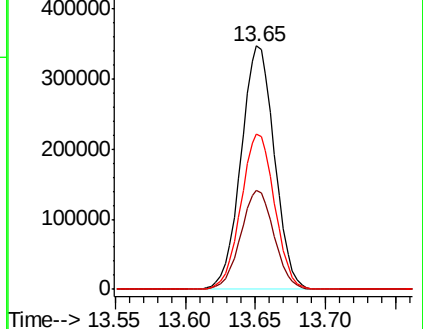
148 64.1 32.1 96.5



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: 46.098 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

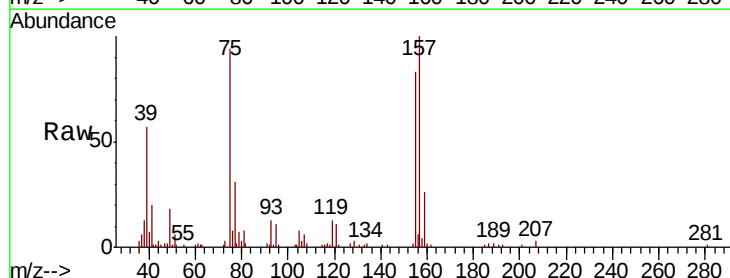
Tgt Ion: 75 Resp: 43105

Ion Ratio Lower Upper

75 100

155 87.6 46.9 140.6

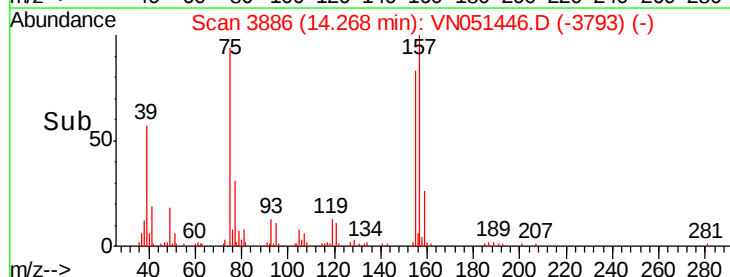
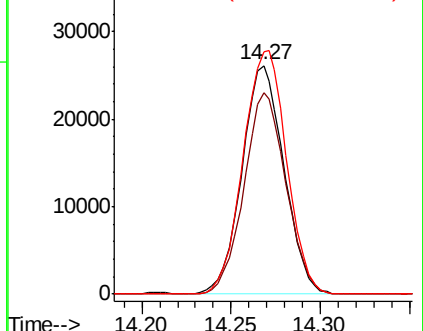
157 109.8 58.4 175.1

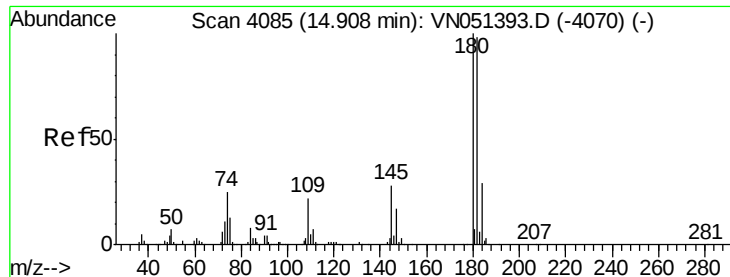


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

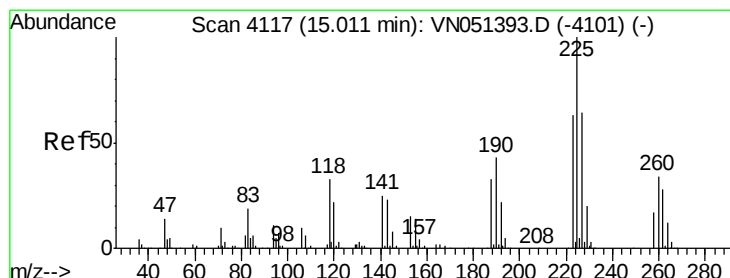
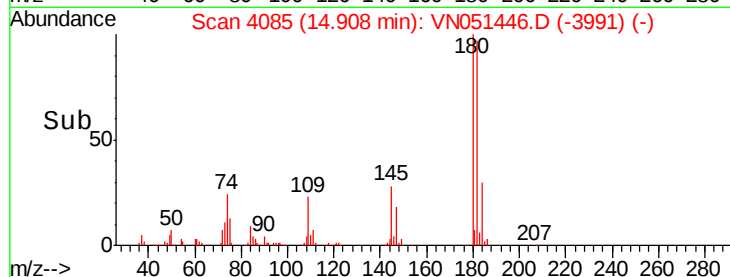
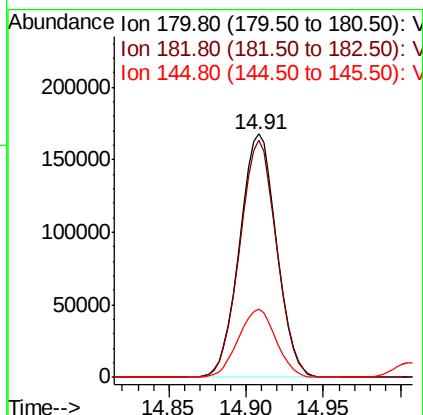
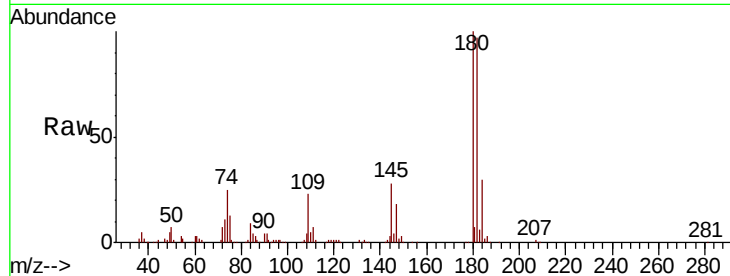




#93
 1,2,4-Trichlorobenzene
 Concen: 44.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

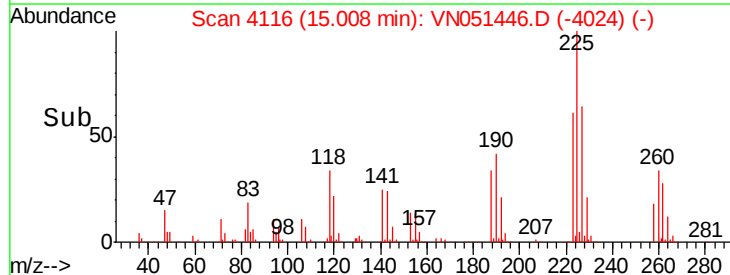
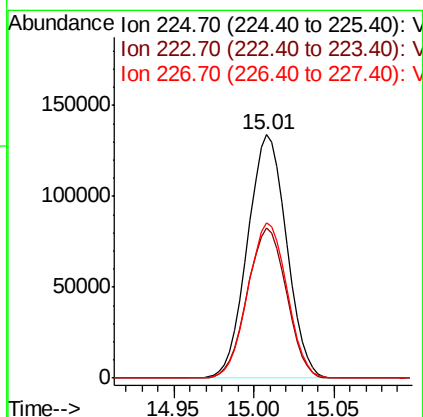
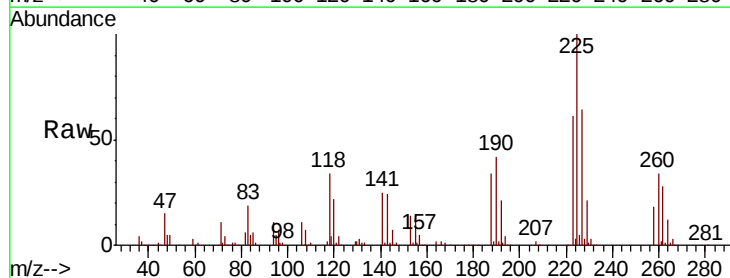
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

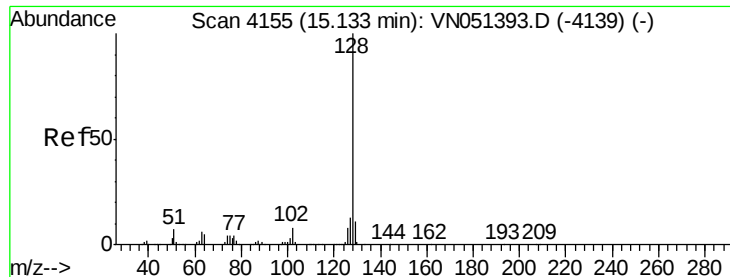
Tot Ion:180 Resp: 278902
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.5 145.6
 145 28.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.566 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion:225 Resp: 223978
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.9 95.9
 227 63.9 32.5 97.5





#95

Naphthalene

Concen: 39.496 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

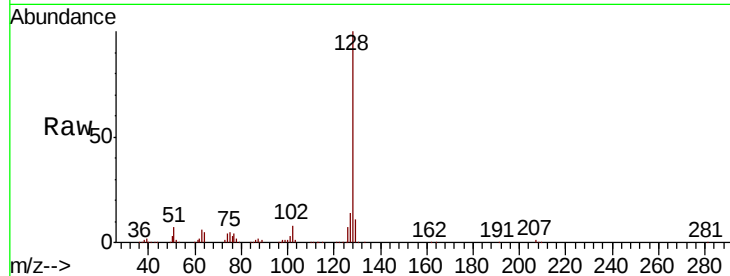
Tot Ion:128 Resp: 464093

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

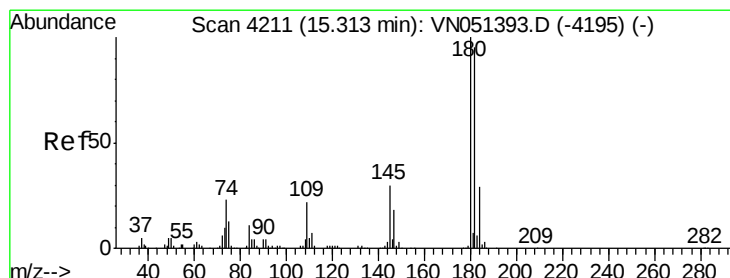
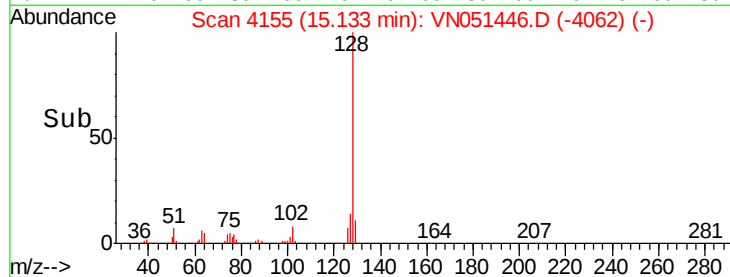
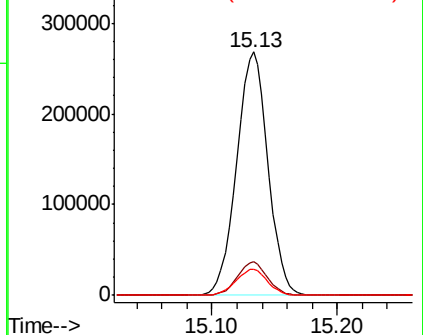
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.187 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

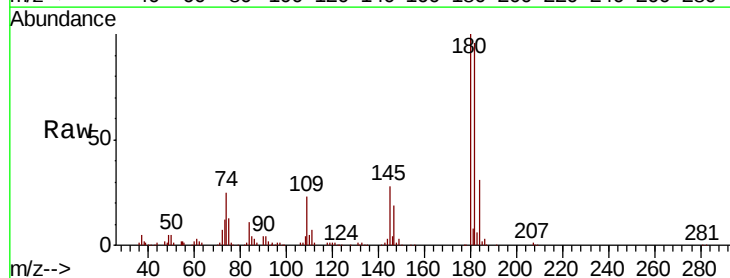
Tgt Ion:180 Resp: 270451

Ion Ratio Lower Upper

180 100

182 96.8 47.2 141.6

145 29.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

