

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053099.D
 Acq On : 21 Dec 2018 13:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 22 01:16:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1183779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1741244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1574917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	771748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	655020	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	523941	65.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.74%	
50) Toluene-d8	10.09	98	2326369	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.40	95	841513	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	488101	40.740	ug/l	99
3) Chloromethane	2.06	50	580976	40.017	ug/l	99
4) Vinyl Chloride	2.19	62	589851	40.116	ug/l	100
5) Bromomethane	2.57	94	362879	35.622	ug/l	99
6) Chloroethane	2.71	64	352919	40.527	ug/l	97
7) Trichlorofluoromethane	3.02	101	765019	41.766	ug/l	100
8) Diethyl Ether	3.41	74	302170	43.729	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	498436	42.679	ug/l	98
10) Methyl Iodide	3.96	142	629225	38.366	ug/l	99
11) Tert butyl alcohol	4.78	59	192626	262.794	ug/l	98
12) 1,1-Dichloroethene	3.74	96	465641	41.269	ug/l	98
13) Acrolein	3.61	56	179910	270.690	ug/l	100
14) Allyl chloride	4.33	41	726515	41.570	ug/l	98
15) Acrylonitrile	4.99	53	959985	235.744	ug/l	99
16) Acetone	3.82	43	581273	246.784	ug/l	96
17) Carbon Disulfide	4.06	76	1317342	35.801	ug/l	99
18) Methyl Acetate	4.33	43	506211	47.404	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1359450	45.024	ug/l	99
20) Methylene Chloride	4.55	84	533690	41.538	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	502054	41.415	ug/l	97
22) Diisopropyl ether	5.95	45	1637609	43.898	ug/l	98
23) Vinyl Acetate	5.90	43	5016190	233.840	ug/l	98
24) 1,1-Dichloroethane	5.85	63	938315	42.328	ug/l	99
25) 2-Butanone	6.83	43	1028113	260.089	ug/l	98
26) 2,2-Dichloropropane	6.83	77	710319	41.976	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	576382	41.998	ug/l	99
28) Bromochloromethane	7.20	49	461566	48.052	ug/l	95
29) Tetrahydrofuran	7.21	42	723757	245.149	ug/l	97
30) Chloroform	7.37	83	921770	42.329	ug/l	99
31) Cyclohexane	7.66	56	869674	41.655	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	771068	41.566	ug/l	99
36) 1,1-Dichloropropene	7.80	75	717452	42.928	ug/l	99
37) Ethyl Acetate	6.93	43	478969	51.337	ug/l	99
38) Carbon Tetrachloride	7.78	117	660625	43.125	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	864571	42.584	ug/l	98
40) Benzene	8.04	78	2149315	43.235	ug/l	99
41) Methacrylonitrile	7.17	41	275739	51.150	ug/l	93
42) 1,2-Dichloroethane	8.13	62	647838	44.113	ug/l	98
43) Isopropyl Acetate	8.17	43	868265	48.049	ug/l	99
44) Trichloroethene	8.84	130	595034	41.383	ug/l	99
45) 1,2-Dichloropropane	9.12	63	570452	44.055	ug/l	99
46) Dibromomethane	9.21	93	336984	44.674	ug/l	98
47) Bromodichloromethane	9.40	83	708565	44.191	ug/l	99
48) Methyl methacrylate	9.20	41	434881	48.034	ug/l	97
49) 1,4-Dioxane	9.20	88	115283	1006.634	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2345972	259.644	ug/l	99
52) Toluene	10.16	92	1344875	43.646	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	742158	44.017	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	849156	43.877	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	494005	45.955	ug/l	98
56) Ethyl methacrylate	10.43	69	691982	48.634	ug/l	97
57) 1,3-Dichloropropane	10.71	76	836304	45.368	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1335512	170.973	ug/l	98
59) 2-Hexanone	10.75	43	1627367	266.207	ug/l	99
60) Dibromochloromethane	10.90	129	546461	44.410	ug/l	99
61) 1,2-Dibromoethane	11.01	107	496960	45.520	ug/l	100
64) Tetrachloroethene	10.63	164	651686	38.200	ug/l	99
65) Chlorobenzene	11.44	112	1488589	42.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	520926	42.909	ug/l	100
67) Ethyl Benzene	11.51	91	2593250	43.193	ug/l	100
68) m/p-Xylenes	11.62	106	1973898	86.483	ug/l	99
69) o-Xylene	11.95	106	964675	44.046	ug/l	99
70) Styrene	11.96	104	1599930	44.800	ug/l	100
71) Bromoform	12.13	173	392504	44.753	ug/l #	100
73) Isopropylbenzene	12.25	105	2561168	42.416	ug/l	100
74) N-amyl acetate	12.07	43	803075	47.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	595683	50.285	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	792006	60.963	ug/l #	100
77) Bromobenzene	12.53	156	665565	42.403	ug/l	100
78) n-propylbenzene	12.59	91	2929344	42.596	ug/l	100
79) 2-Chlorotoluene	12.68	91	1719830	40.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2066075	41.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	183401	45.500	ug/l	97
82) 4-Chlorotoluene	12.77	91	1781846	42.701	ug/l	100
83) tert-Butylbenzene	12.99	119	1803955	41.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2085322	42.147	ug/l	99
85) sec-Butylbenzene	13.17	105	2463621	41.844	ug/l	100
86) p-Isopropyltoluene	13.29	119	2148116	42.225	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1169755	42.108	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1162285	41.315	ug/l	100
89) n-Butylbenzene	13.62	91	1806406	41.273	ug/l	100
90) Hexachloroethane	13.88	117	334025	42.785	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1121882	42.910	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95628	46.687	ug/l	100

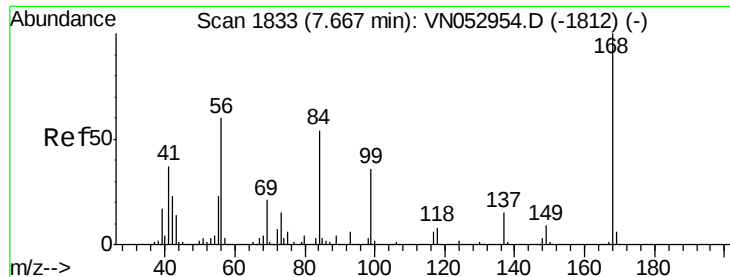
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	571684	41.375	ug/l	100
94) Hexachlorobutadiene	15.01	225	354117	49.336	ug/l	99
95) Naphthalene	15.14	128	1267328	41.955	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	516852	41.522	ug/l	100

(#) = 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: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

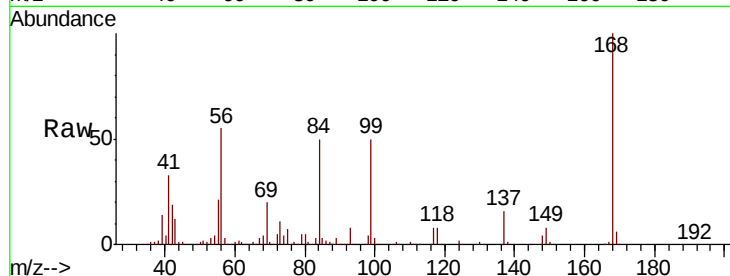
VSTDCCC050

Tot Ion:168 Resp: 1183779

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): VNO

7.67

500000

400000

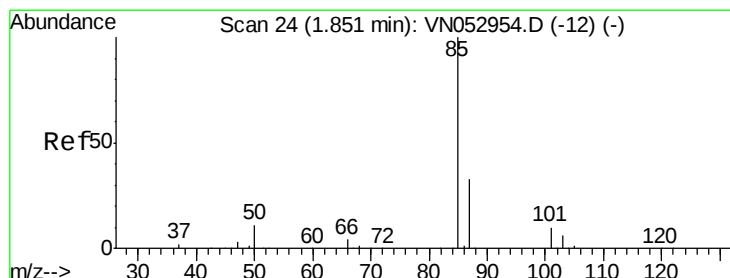
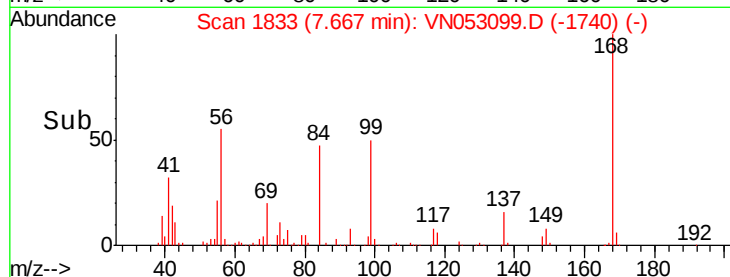
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.740 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053099.D

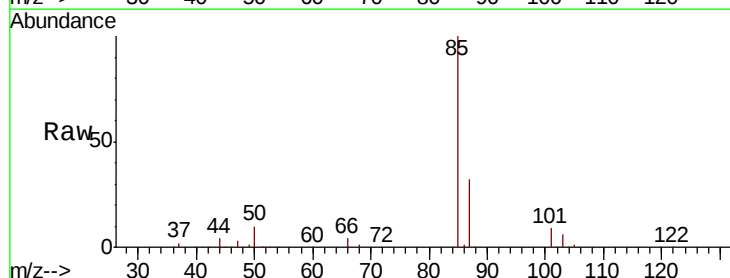
Acq: 21 Dec 2018 13:21

Tgt Ion: 85 Resp: 488101

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

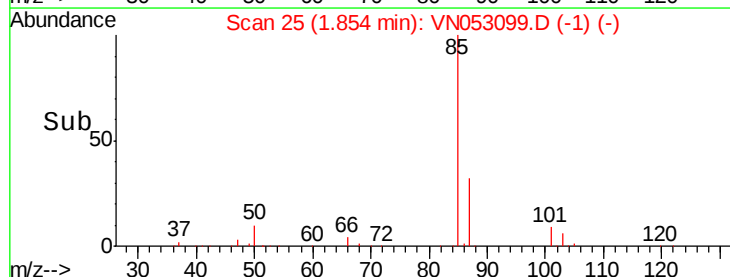
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 40.017 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

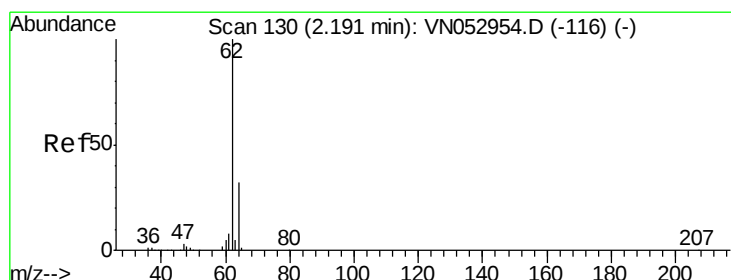
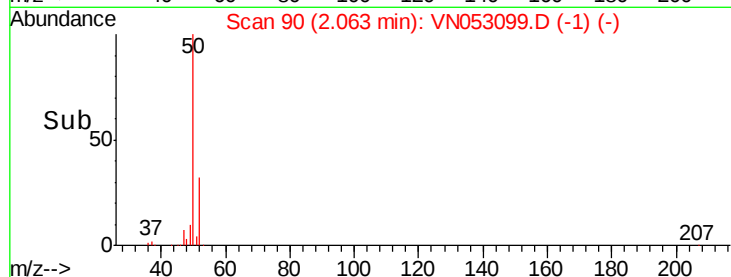
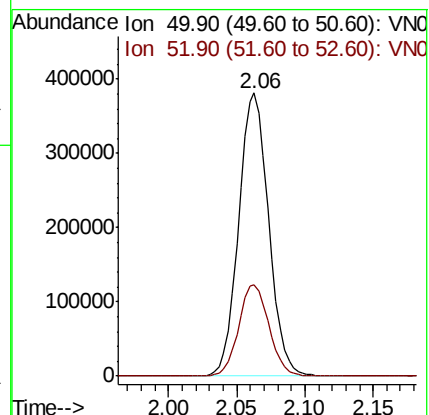
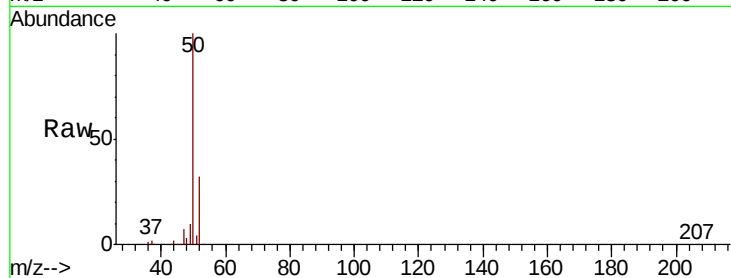
VSTDCCC050

Tot Ion: 50 Resp: 580976

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 40.116 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053099.D

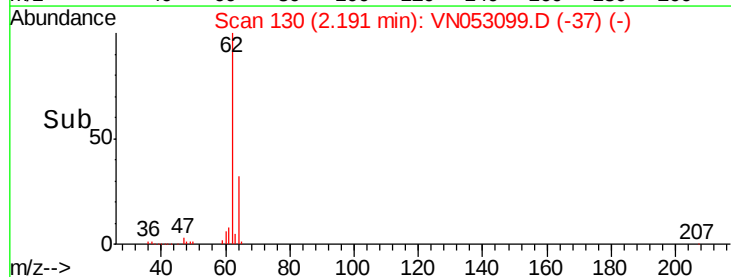
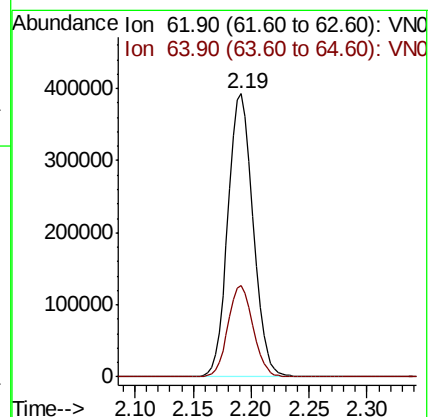
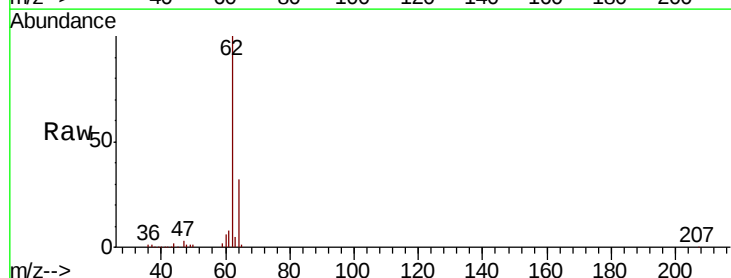
Acq: 21 Dec 2018 13:21

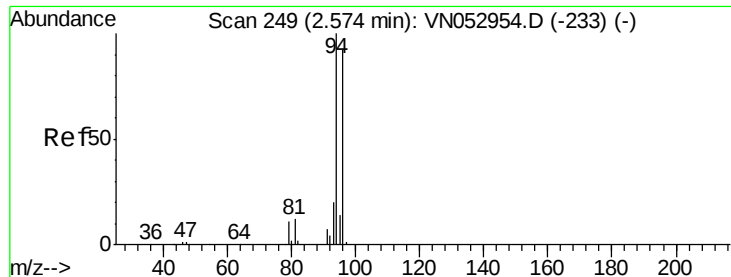
Tgt Ion: 62 Resp: 589851

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 35.622 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

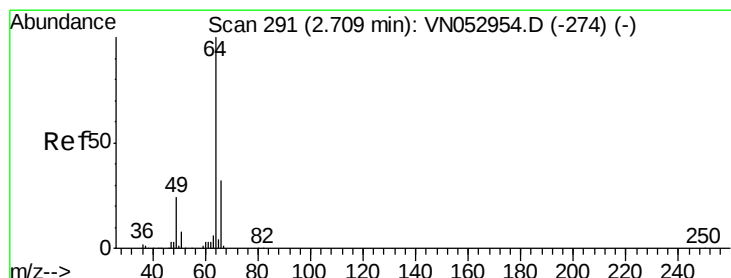
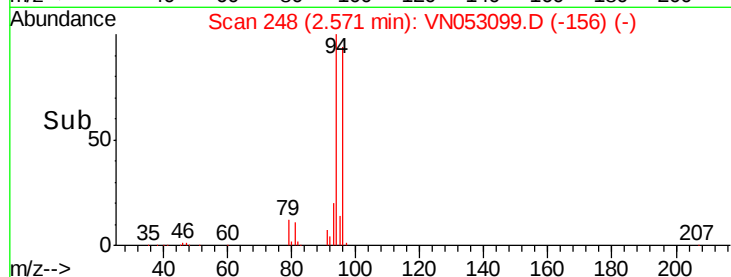
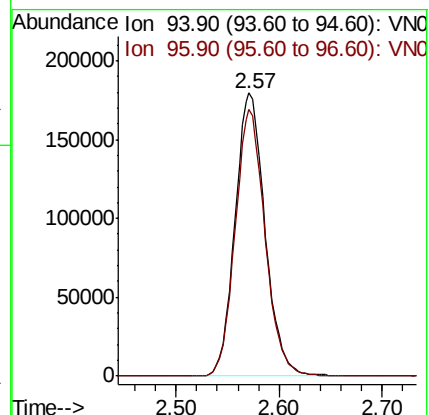
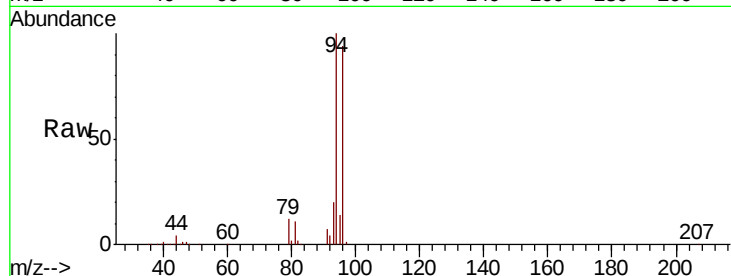
VSTDCCC050

Tot Ion: 94 Resp: 362879

Ion Ratio Lower Upper

94 100

96 94.3 75.0 112.4



#6

Chloroethane

Concen: 40.527 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053099.D

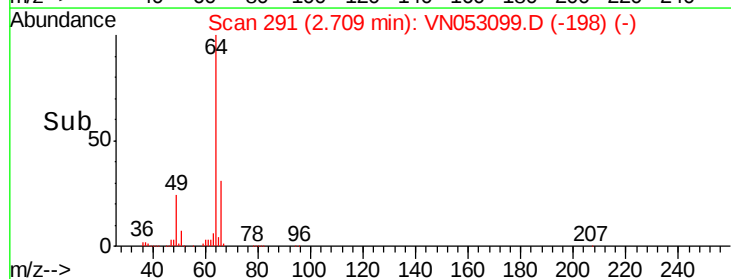
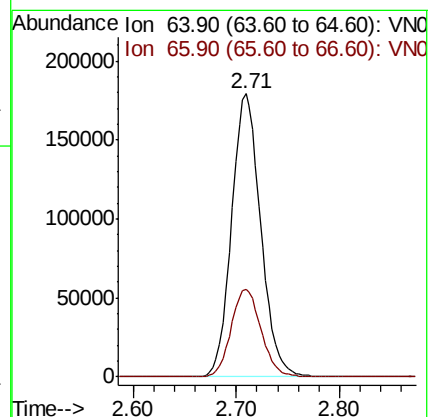
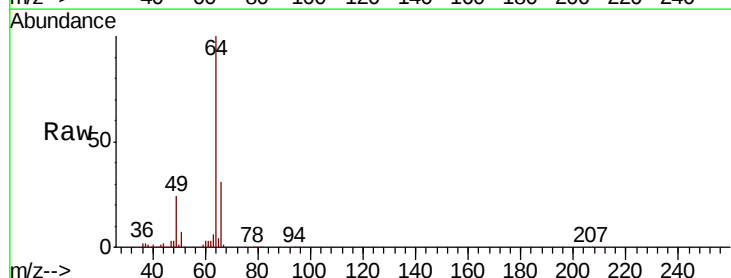
Acq: 21 Dec 2018 13:21

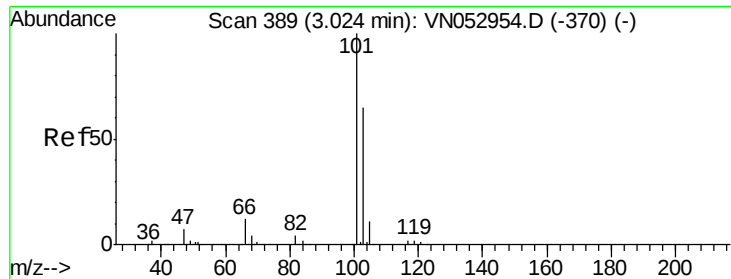
Tgt Ion: 64 Resp: 352919

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2



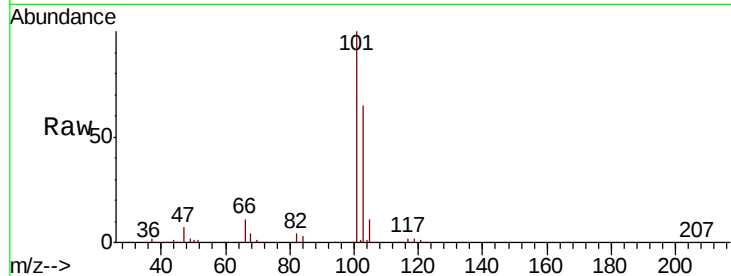


#7

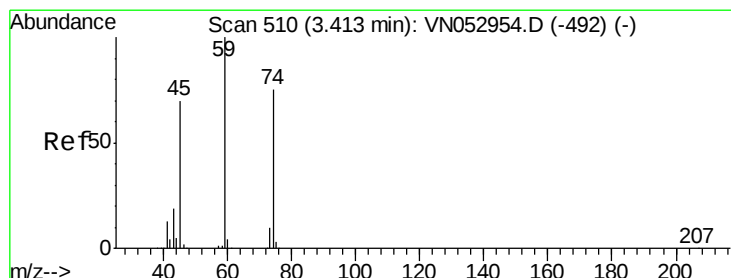
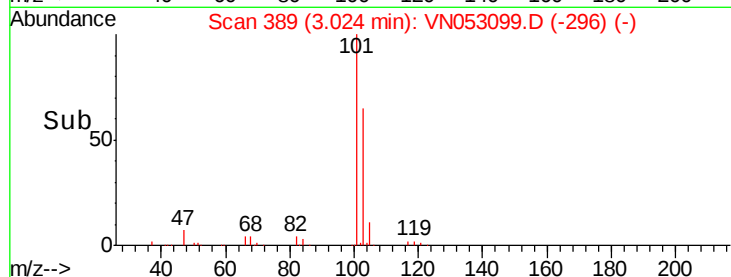
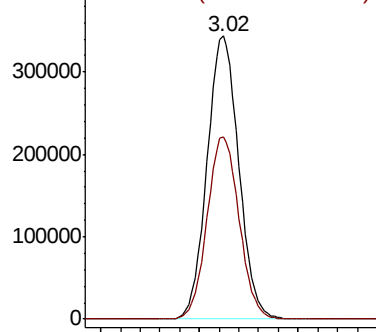
Trichlorofluoromethane
 Concen: 41.766 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
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Tot Ion:101 Resp: 765019
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.6



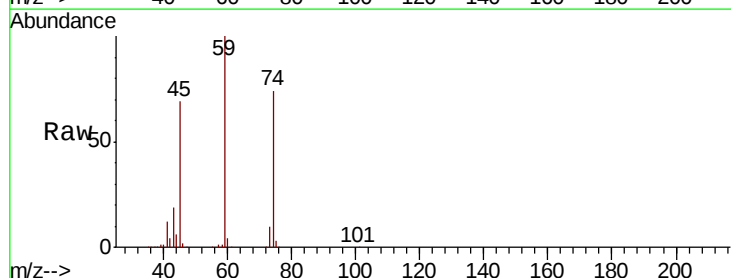
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



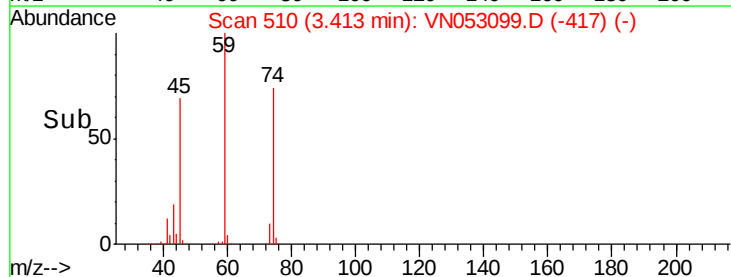
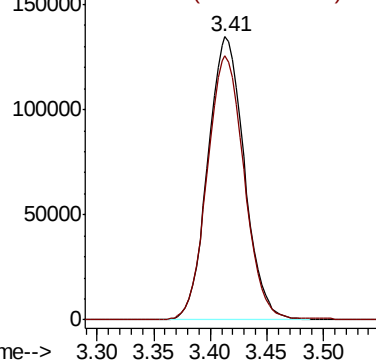
#8

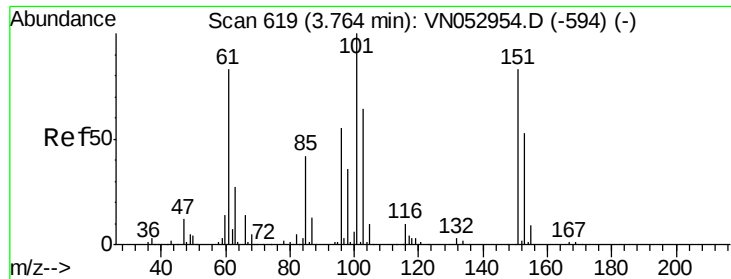
Diethyl Ether
 Concen: 43.729 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 74 Resp: 302170
 Ion Ratio Lower Upper
 74 100
 45 94.1 49.4 148.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.679 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

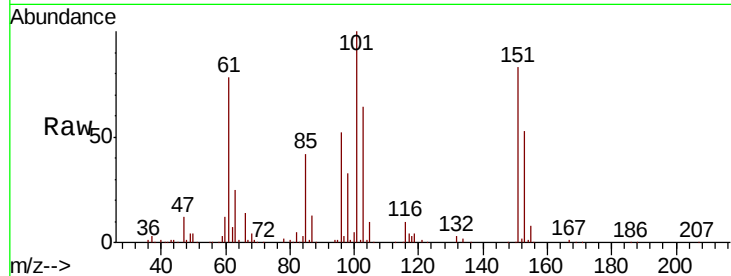
Tot Ion:101 Resp: 498436

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

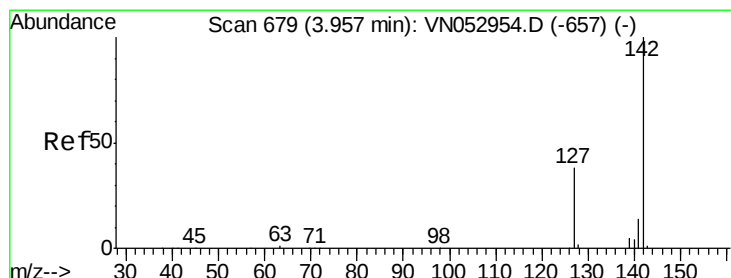
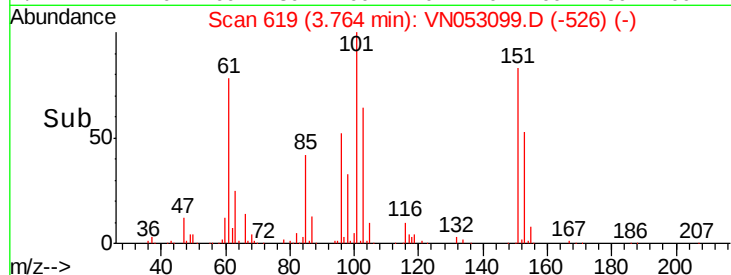
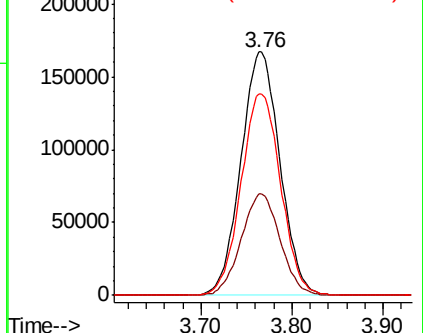
151 84.0 65.5 98.3



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: 38.366 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

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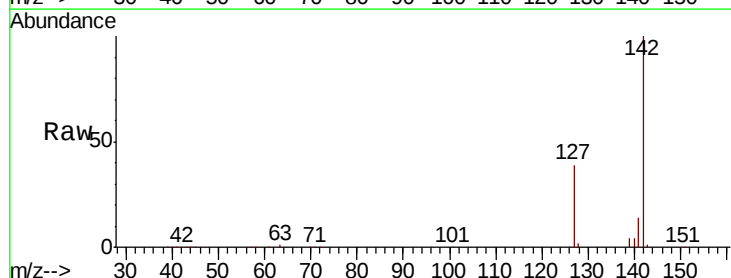
Tgt Ion:142 Resp: 629225

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

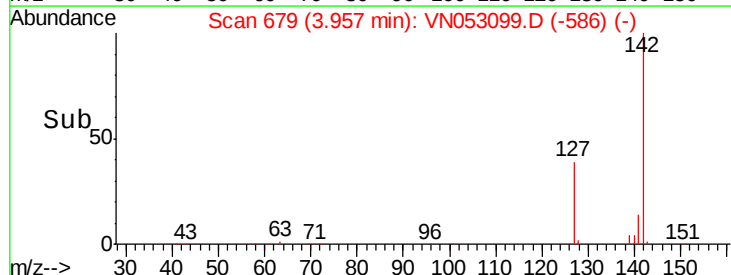
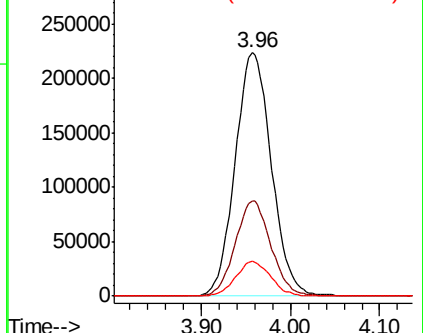
141 13.9 11.2 16.8

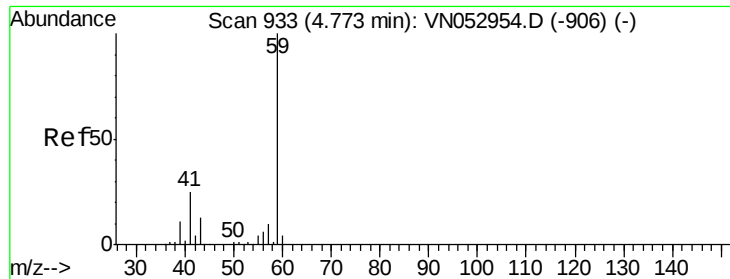


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



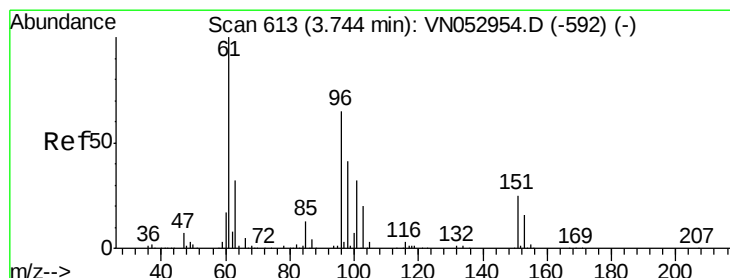
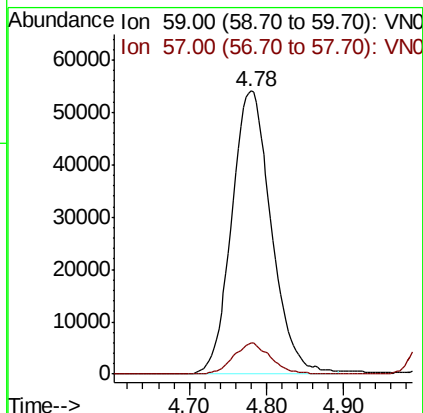
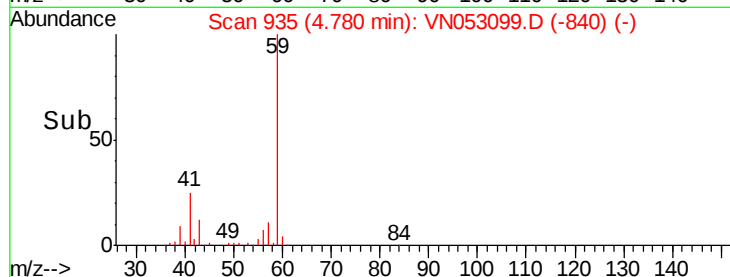
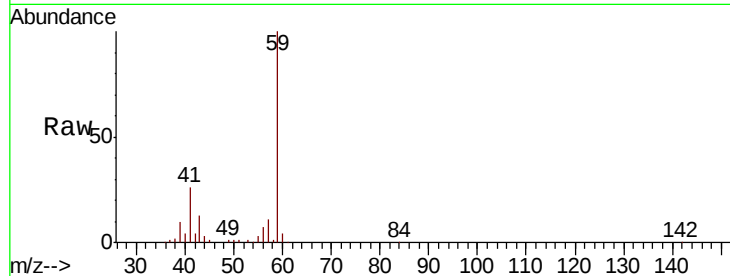


#11

Tert butyl alcohol
 Concen: 262.794 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

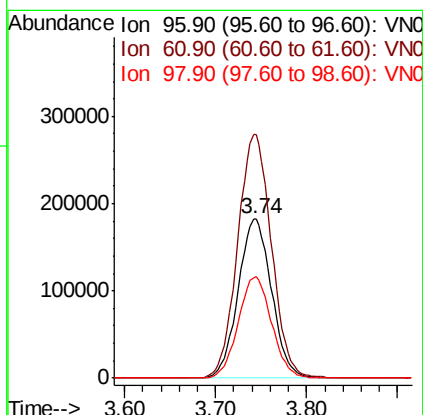
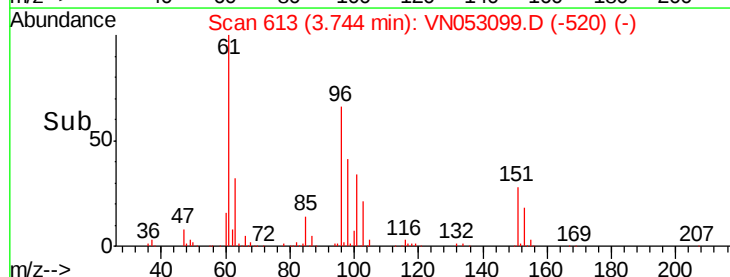
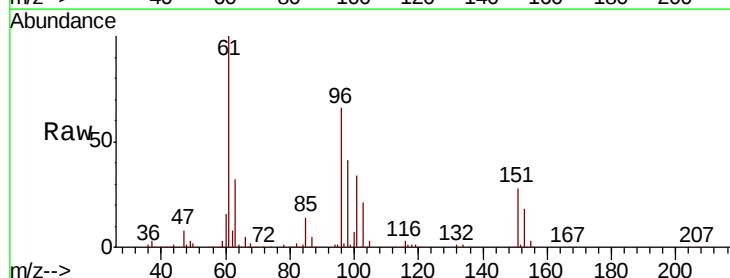
Tot Ion: 59 Resp: 192626
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.7 11.5

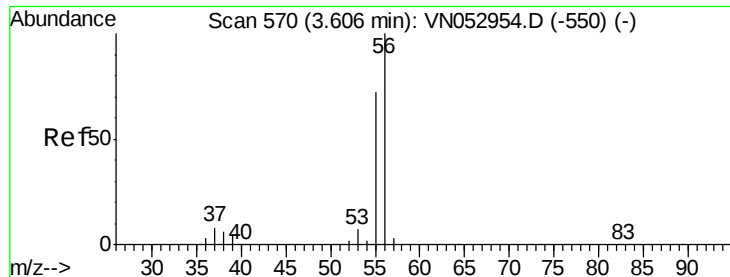


#12

1,1-Dichloroethene
 Concen: 41.269 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 96 Resp: 465641
 Ion Ratio Lower Upper
 96 100
 61 152.5 125.6 188.4
 98 63.3 50.6 75.8

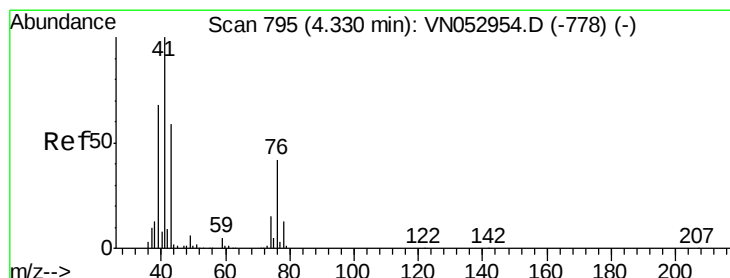
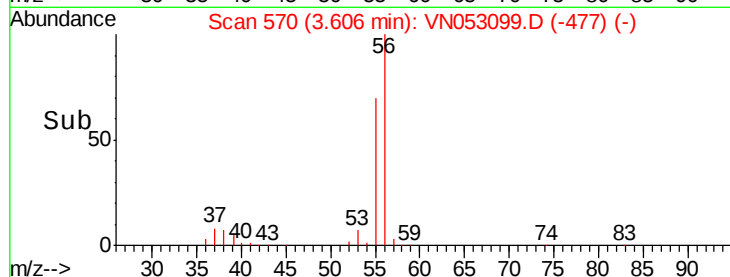
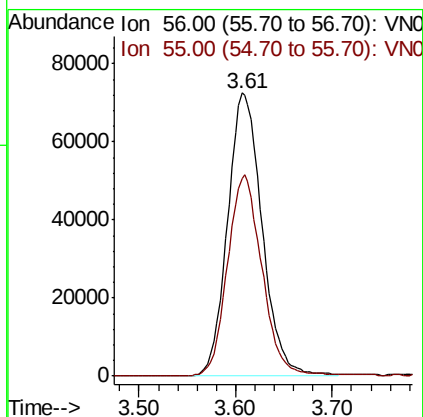
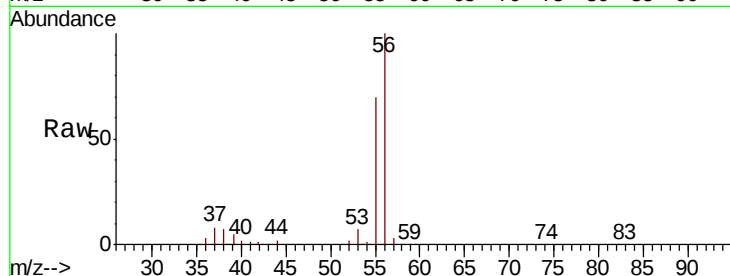




#13
Acrolein
Concen: 270.690 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

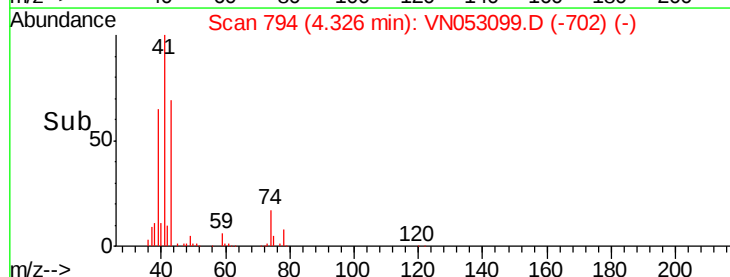
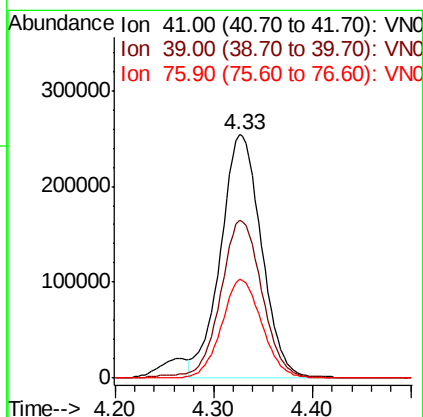
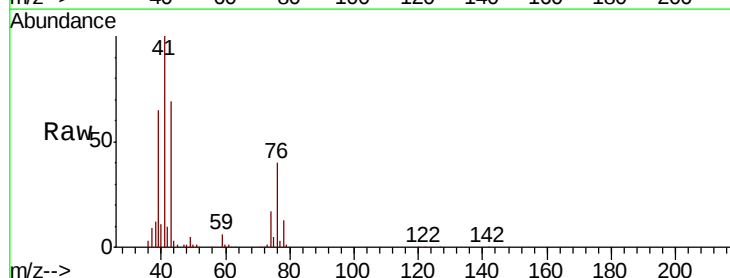
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 179910
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0



#14
Allyl chloride
Concen: 41.570 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 41 Resp: 726515
Ion Ratio Lower Upper
41 100
39 66.8 54.1 81.1
76 39.6 30.3 45.5





#15

Acrylonitrile

Concen: 235.744 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

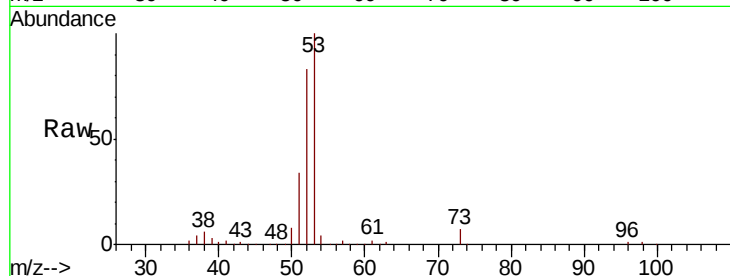
Tot Ion: 53 Resp: 959985

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

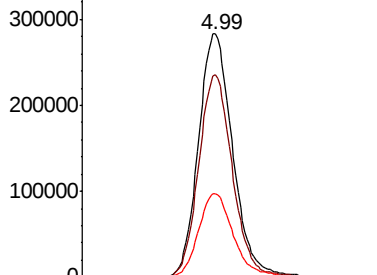
51 35.1 28.1 42.1



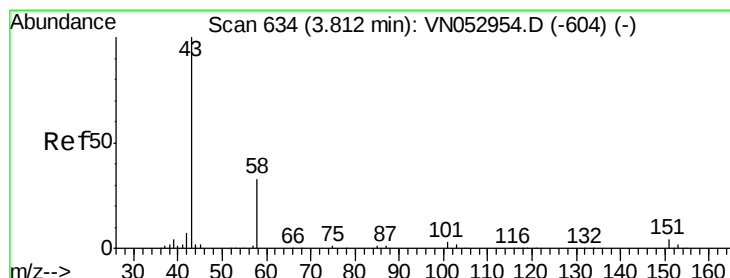
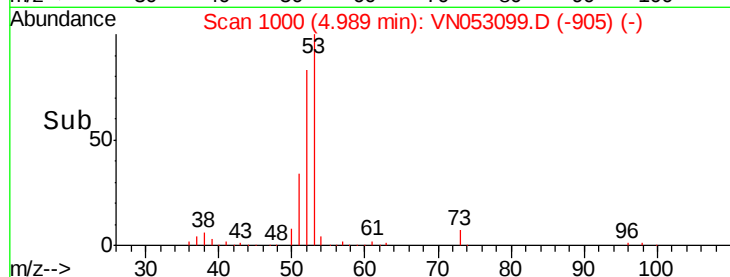
Abundance Ion 53.00 (52.70 to 53.70): VN053099.D (-1000) (-)

Ion 52.00 (51.70 to 52.70): VN053099.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VN053099.D (-1000) (-)



Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 246.784 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053099.D

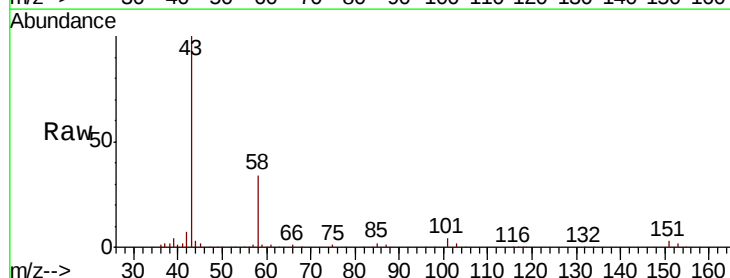
Acq: 21 Dec 2018 13:21

Tgt Ion: 43 Resp: 581273

Ion Ratio Lower Upper

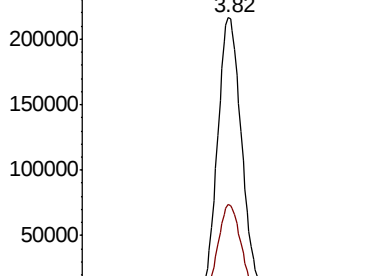
43 100

58 33.9 25.4 38.0

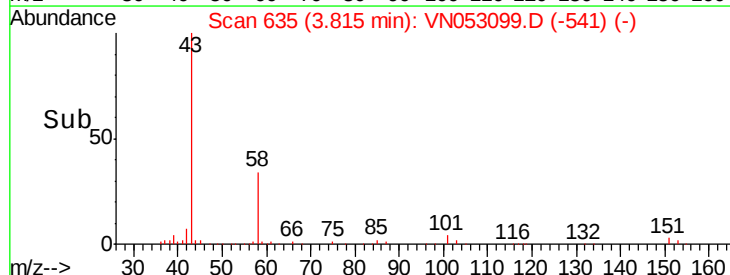


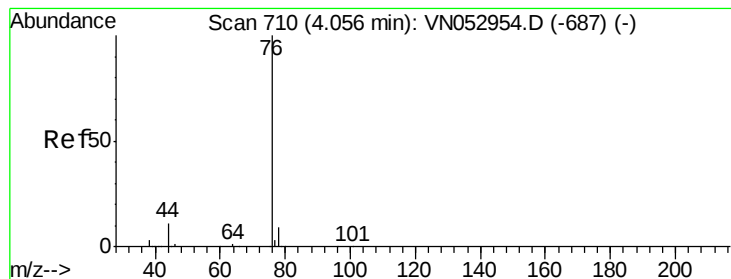
Abundance Ion 43.00 (42.70 to 43.70): VN053099.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053099.D (-541) (-)



Time--> 3.60 3.70 3.80 3.90 4.00





#17

Carbon Disulfide

Concen: 35.801 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

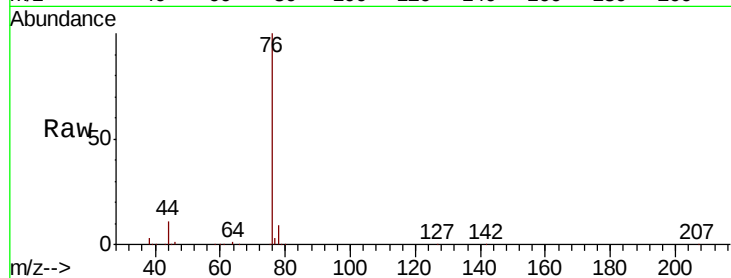
VSTDCCC050

Tot Ion: 76 Resp: 1317342

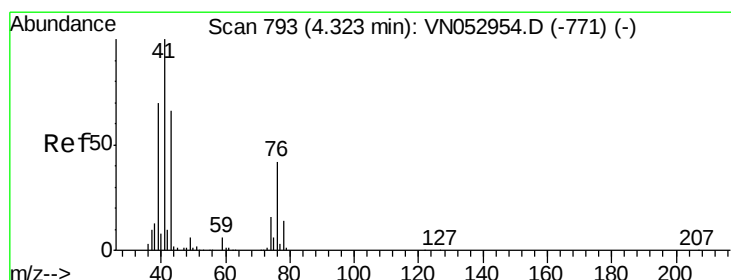
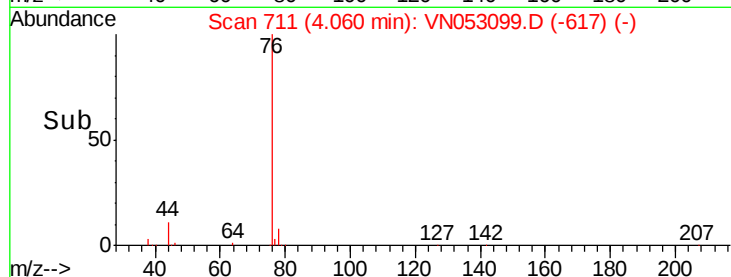
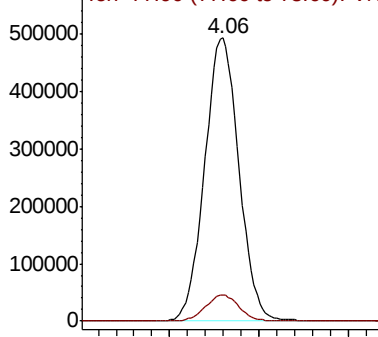
Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 47.404 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053099.D

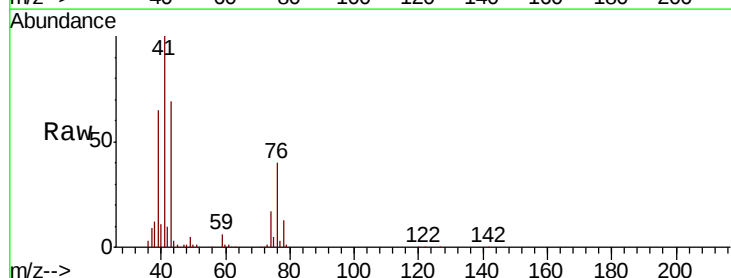
Acq: 21 Dec 2018 13:21

Tgt Ion: 43 Resp: 506211

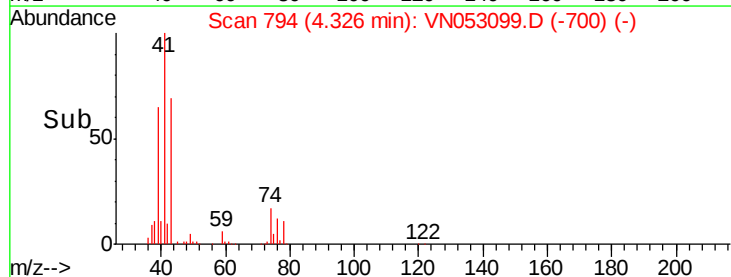
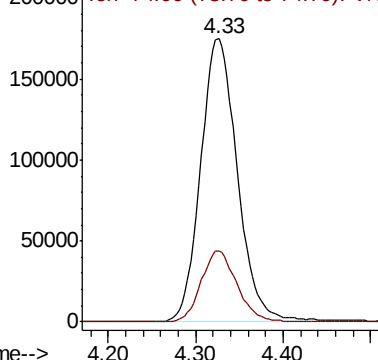
Ion Ratio Lower Upper

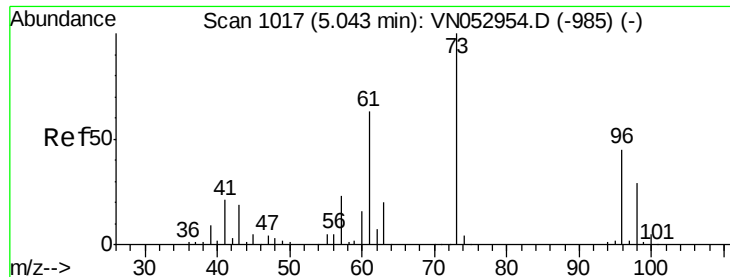
43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

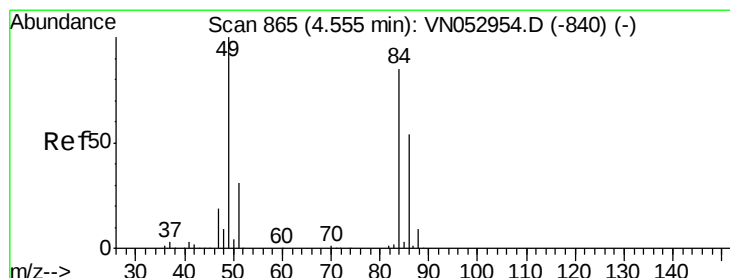
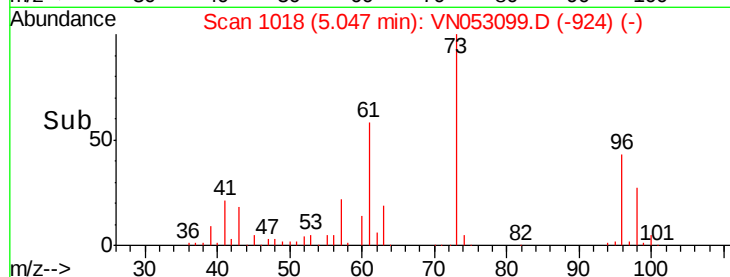
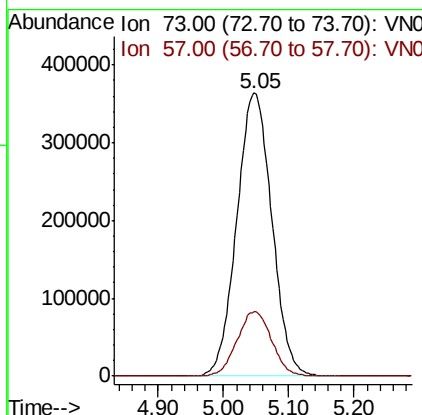
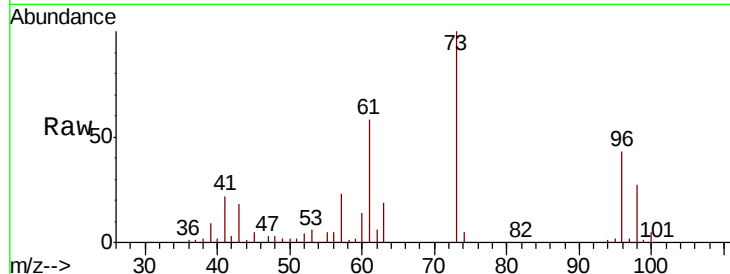




#19
Methvl tert-butvl Ether
Concen: 45.024 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

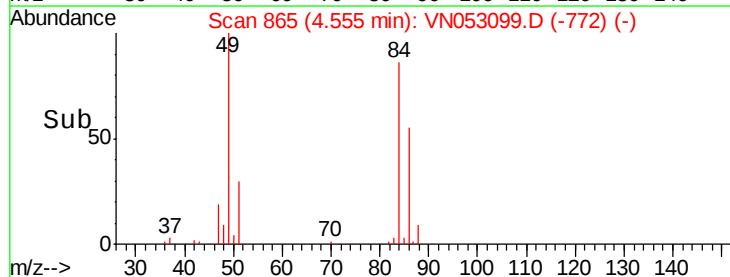
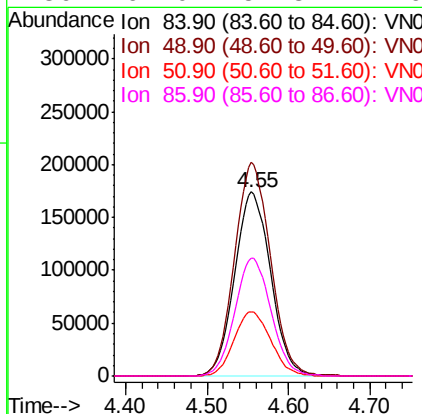
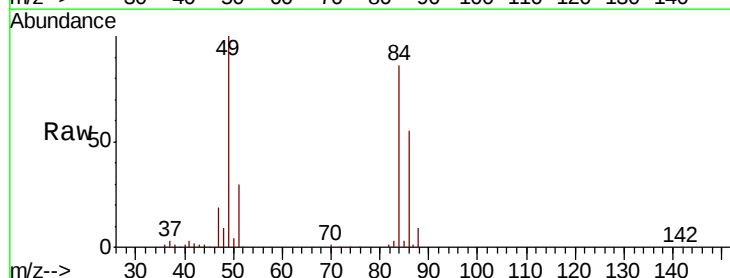
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

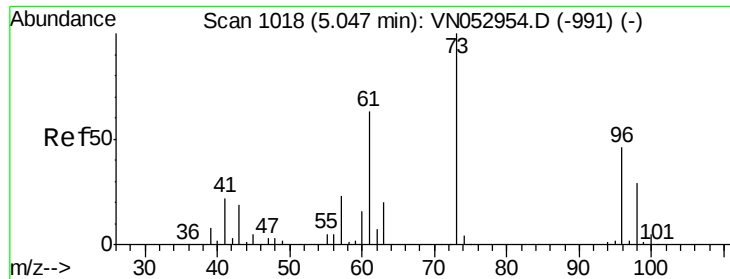
Tot Ion: 73 Resp: 1359450
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 41.538 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 84 Resp: 533690
Ion Ratio Lower Upper
84 100
49 116.2 96.8 145.2
51 35.0 29.9 44.9
86 64.0 51.8 77.6

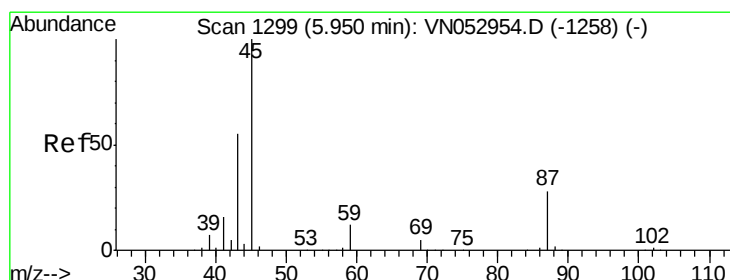
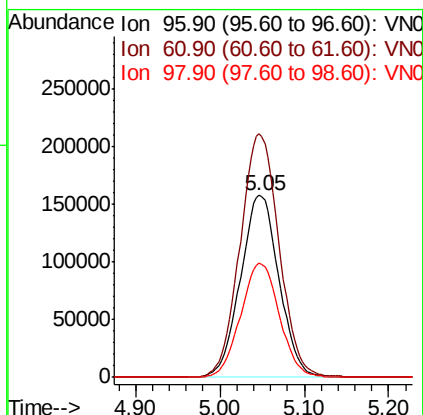
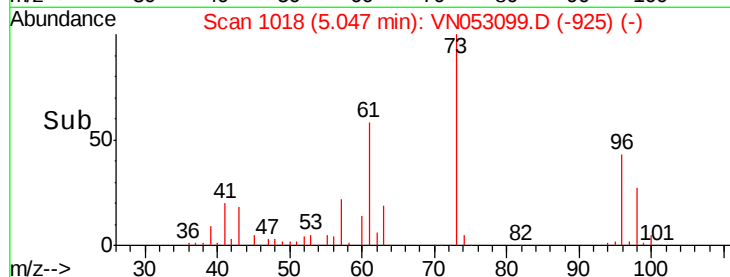
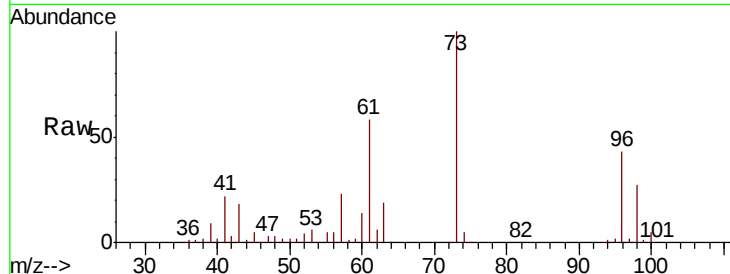




#21
trans-1,2-Dichloroethene
Concen: 41.415 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

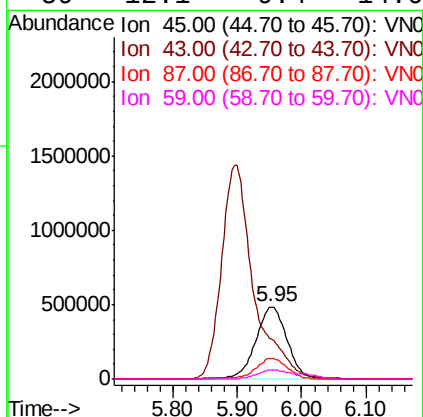
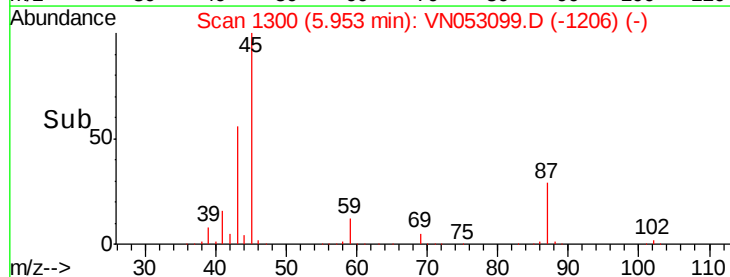
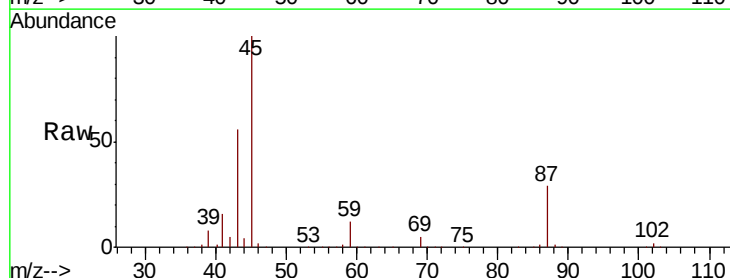
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 502054
Ion Ratio Lower Upper
96 100
61 134.1 110.8 166.2
98 62.7 51.4 77.2



#22
Diisopropyl ether
Concen: 43.898 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 45 Resp: 1637609
Ion Ratio Lower Upper
45 100
43 55.4 45.5 68.3
87 28.5 22.0 33.0
59 12.1 9.4 14.0

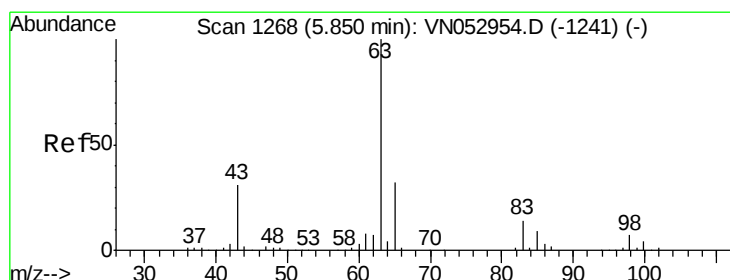
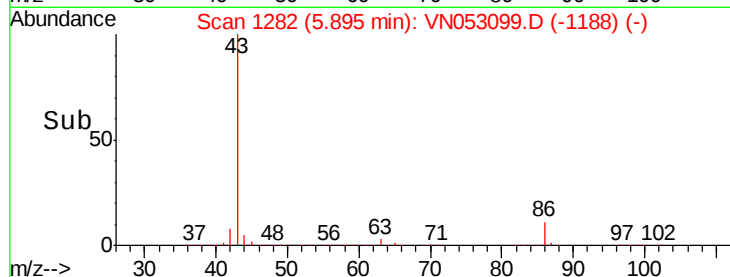
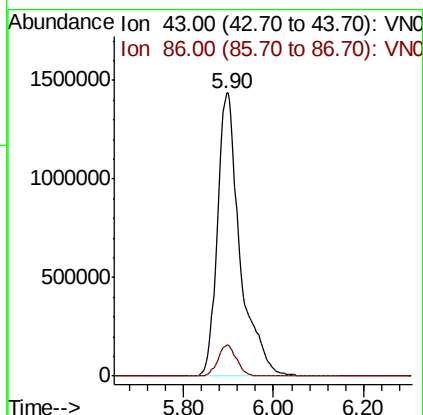
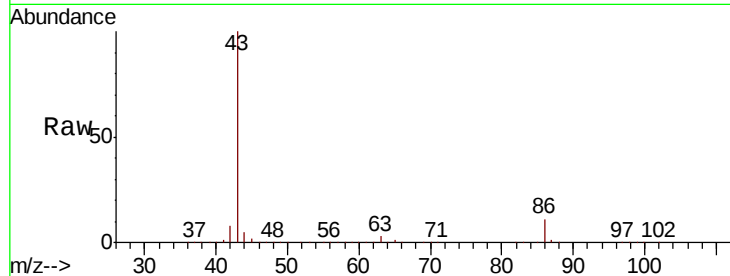




#23
 Vinyl Acetate
 Concen: 233.840 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

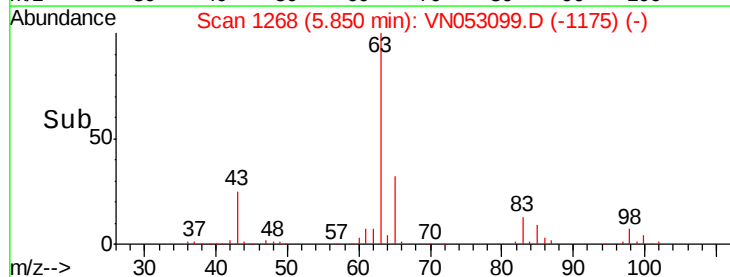
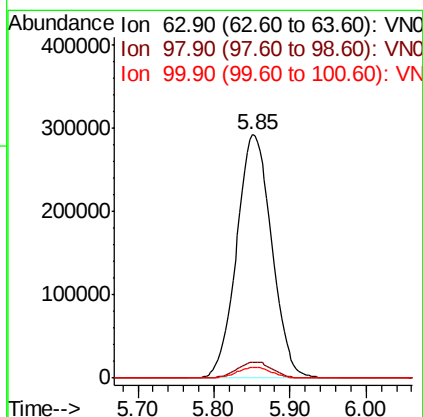
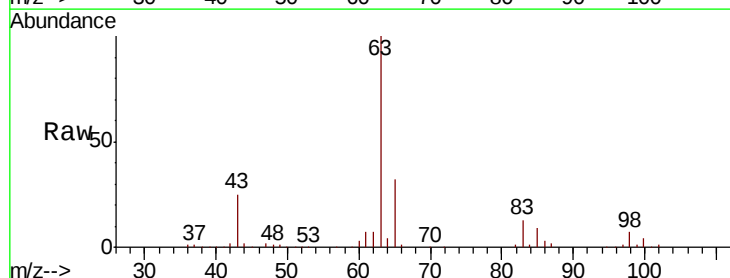
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

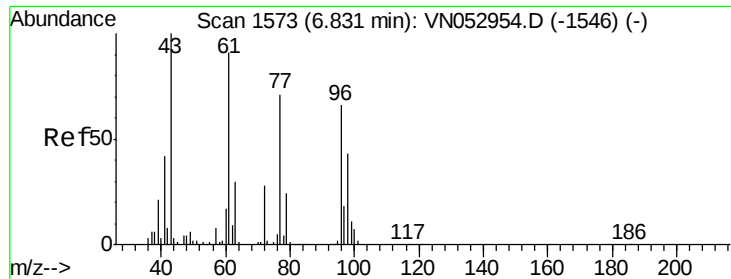
Tot Ion: 43 Resp: 5016190
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 42.328 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 63 Resp: 938315
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.2 2.0 5.8

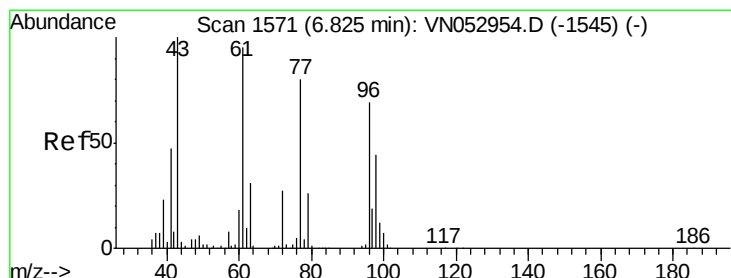
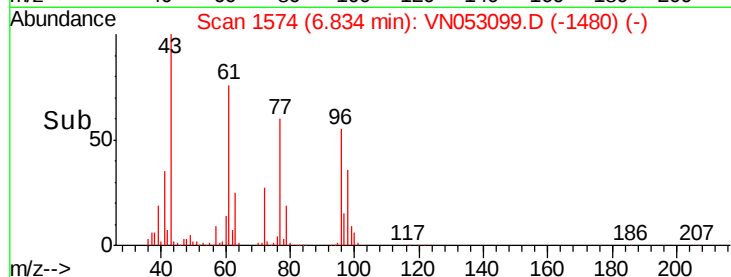
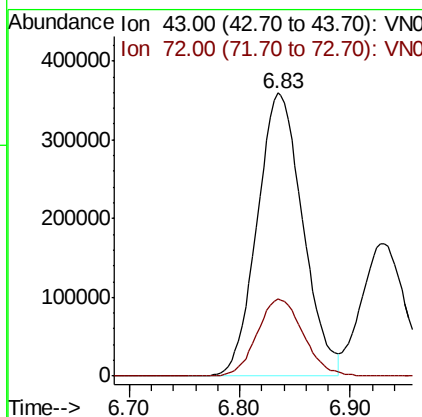
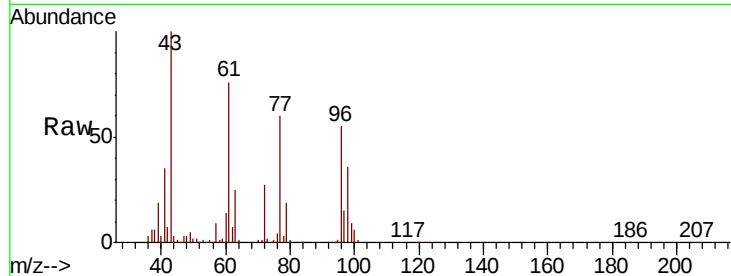




#25
2-Butanone
Concen: 260.089 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

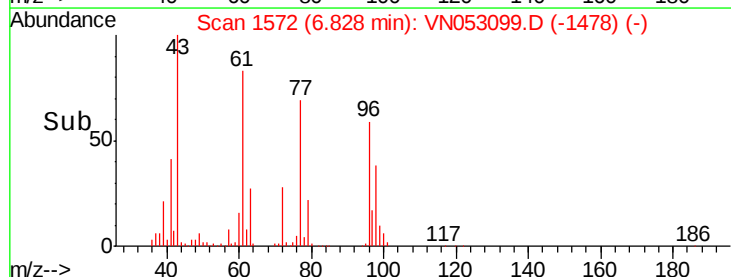
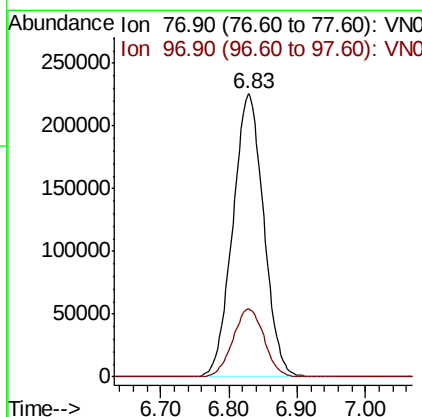
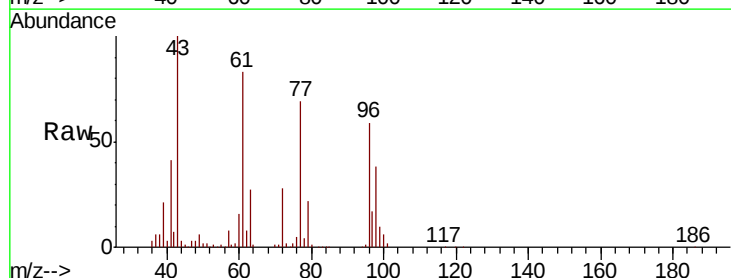
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

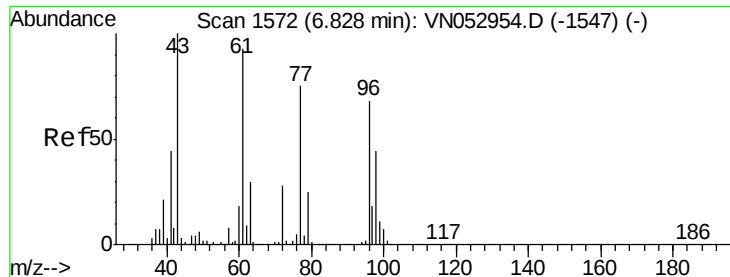
Tot Ion: 43 Resp: 1028113
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 41.976 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 77 Resp: 710319
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 41.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

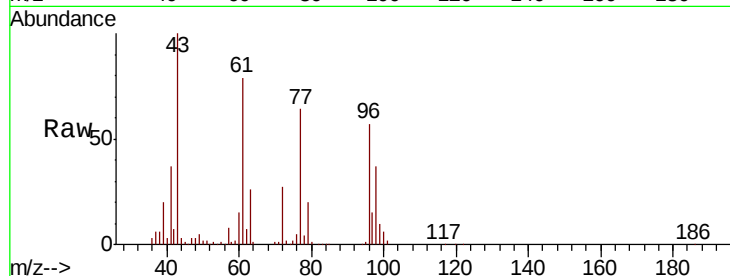
Tot Ion: 96 Resp: 576382

Ion Ratio Lower Upper

96 100

61 140.8 0.0 284.2

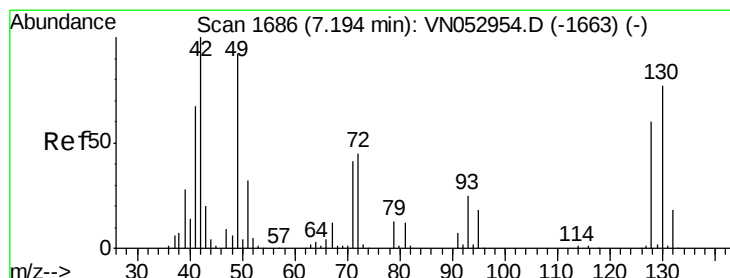
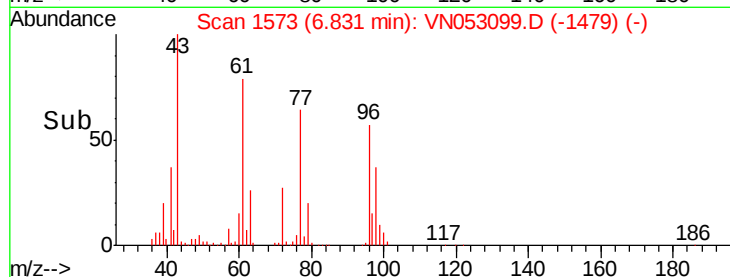
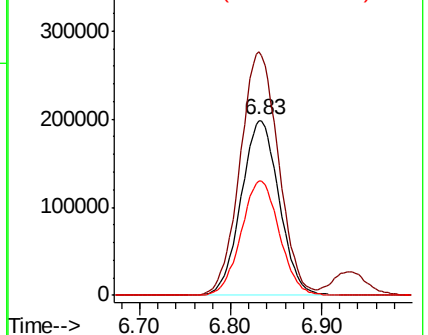
98 65.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053099.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053099.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053099.D (-1479) (-)



#28

Bromochloromethane

Concen: 48.052 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

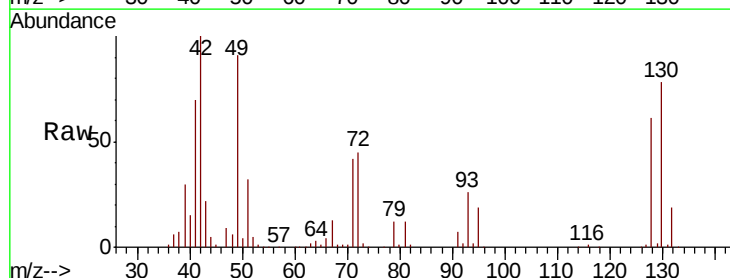
Tgt Ion: 49 Resp: 461566

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

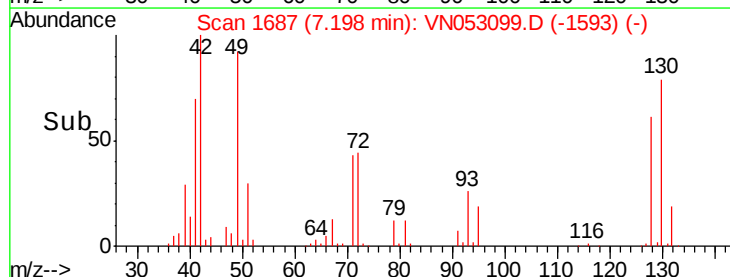
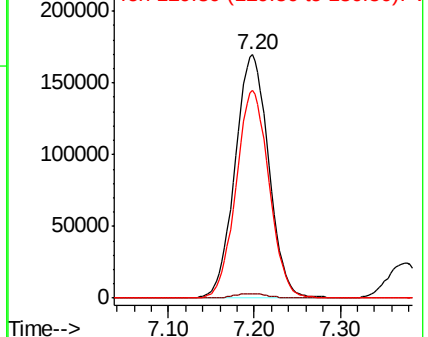
130 84.0 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN053099.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053099.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053099.D (-1593) (-)

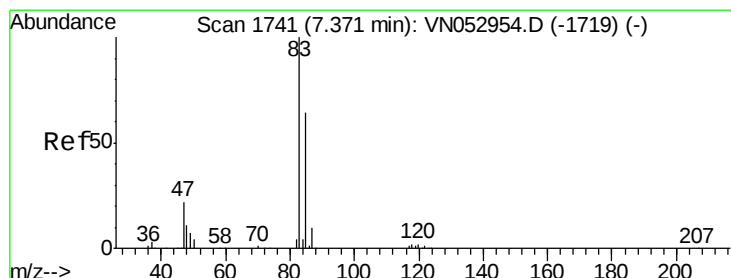
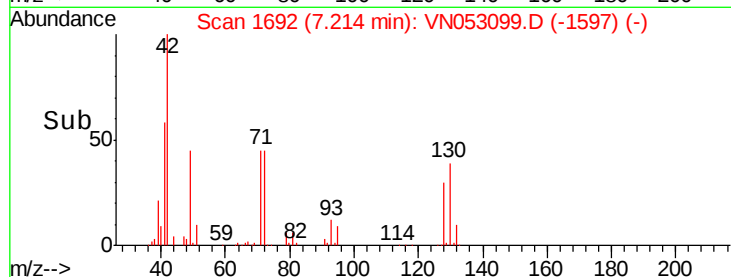
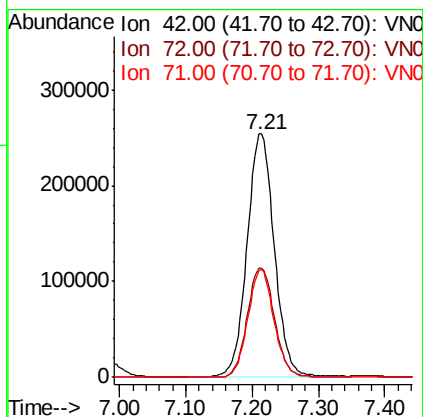
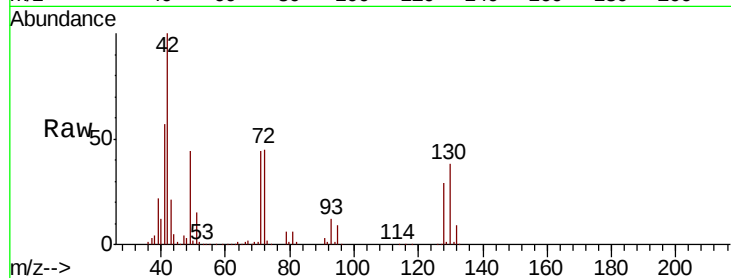




#29
Tetrahydrofuran
Concen: 245.149 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

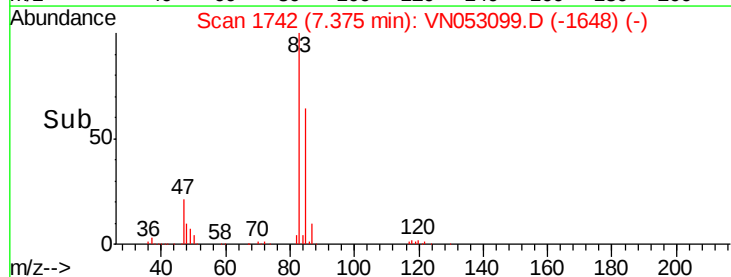
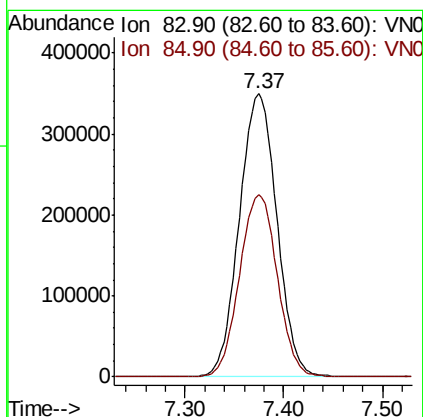
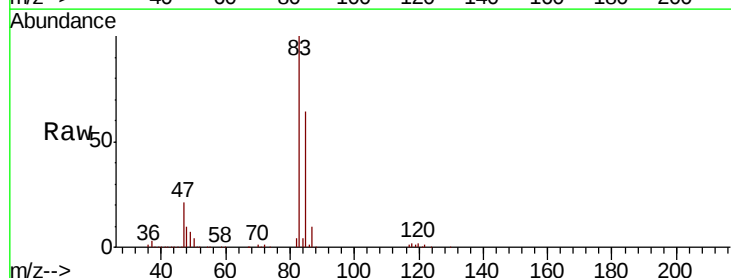
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

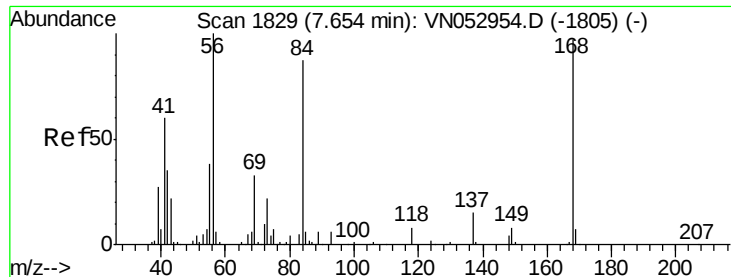
Tot Ion: 42 Resp: 723757
Ion Ratio Lower Upper
42 100
72 44.7 34.7 52.1
71 42.7 32.3 48.5



#30
Chloroform
Concen: 42.329 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 83 Resp: 921770
Ion Ratio Lower Upper
83 100
85 64.3 52.1 78.1

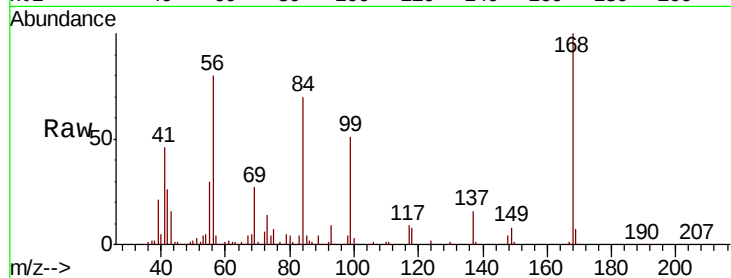




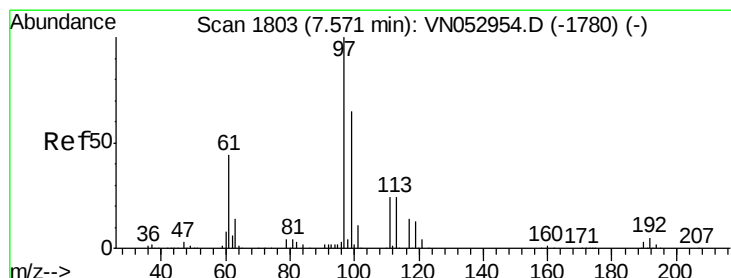
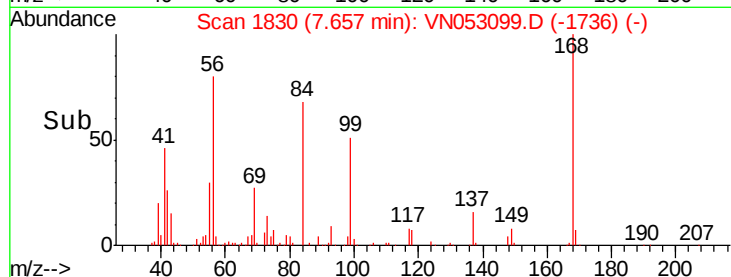
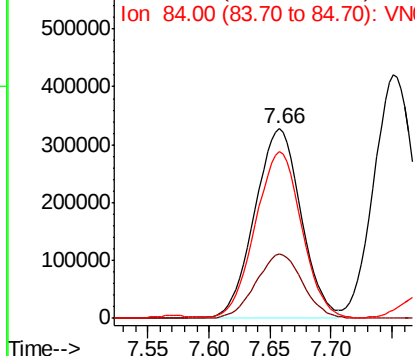
#31
Cyclohexane
Concen: 41.655 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 869674
Ion Ratio Lower Upper
56 100
69 34.1 26.6 39.8
84 86.8 68.4 102.6

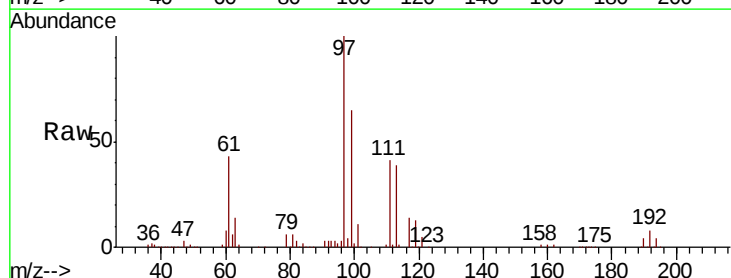


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

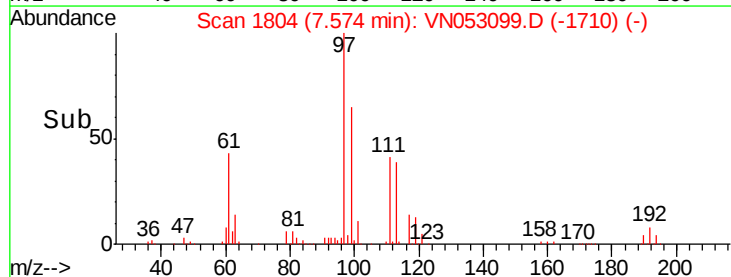
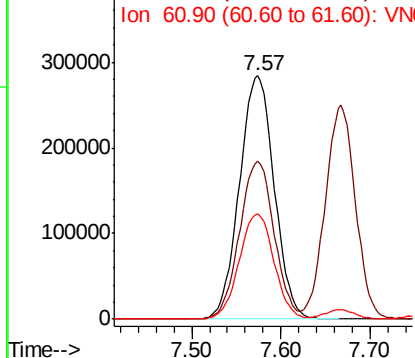


#32
1,1,1-Trichloroethane
Concen: 41.566 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 97 Resp: 771068
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 43.2 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

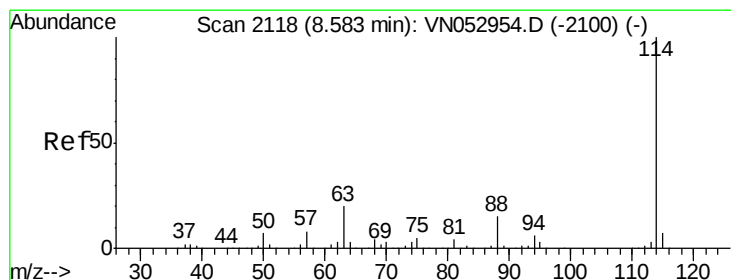
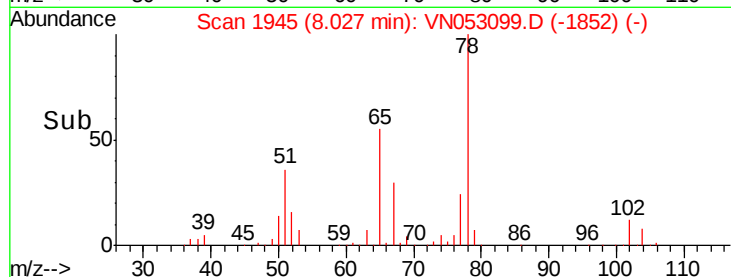
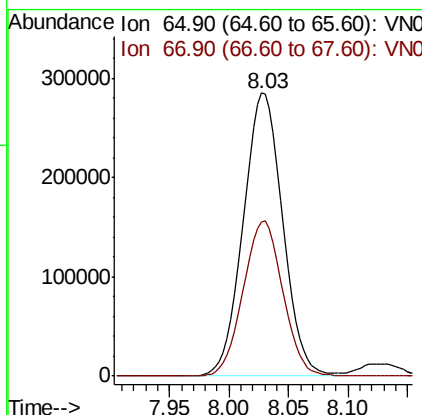
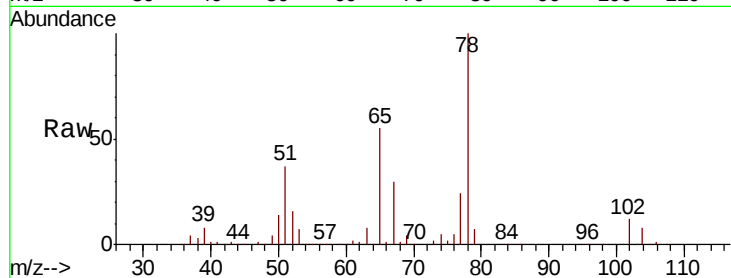




#33
 1,2-Dichloroethane-d4
 Concen: 41.566 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

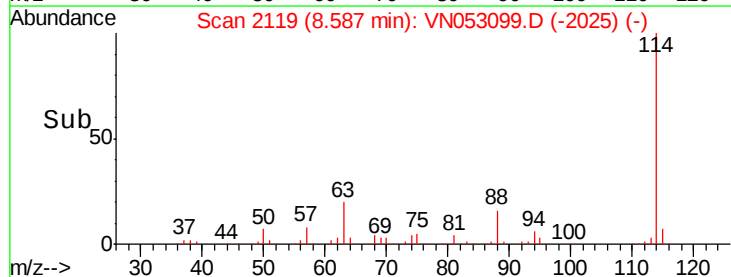
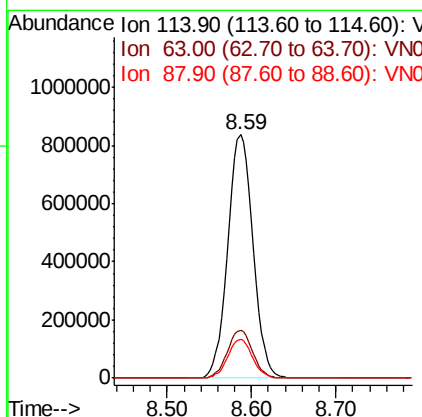
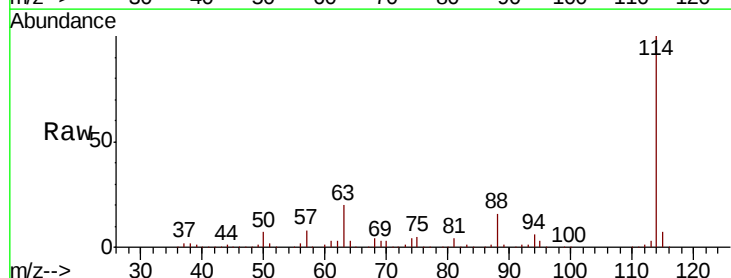
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

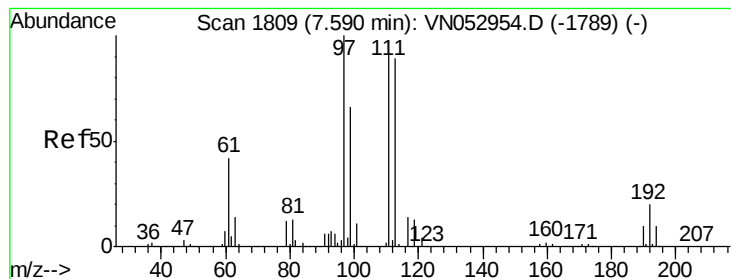
Tot Ion: 65 Resp: 655020
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 114 Resp: 1741244
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

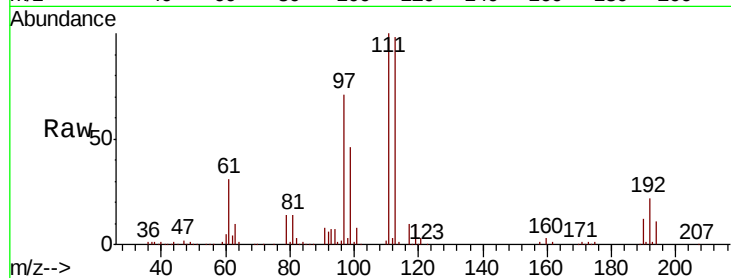
Tot Ion:113 Resp: 523941

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

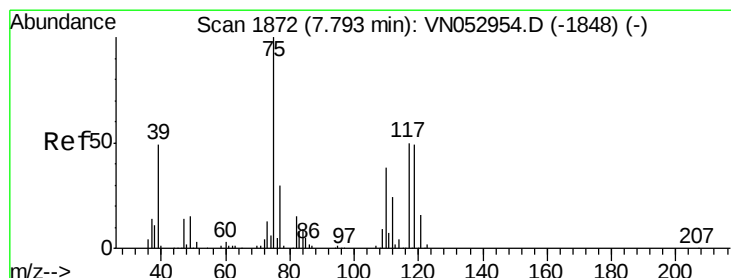
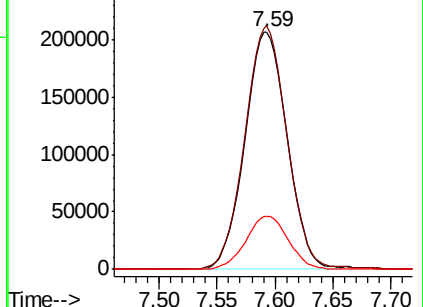
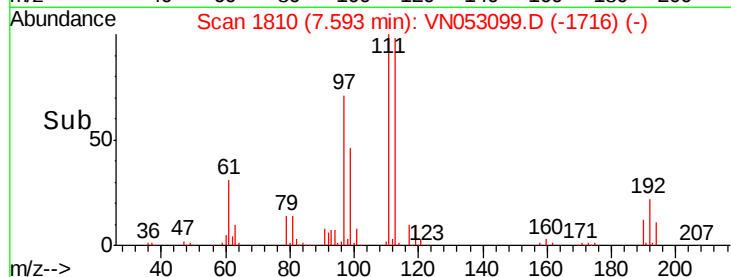
192 22.6 17.5 26.3



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: 42.928 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

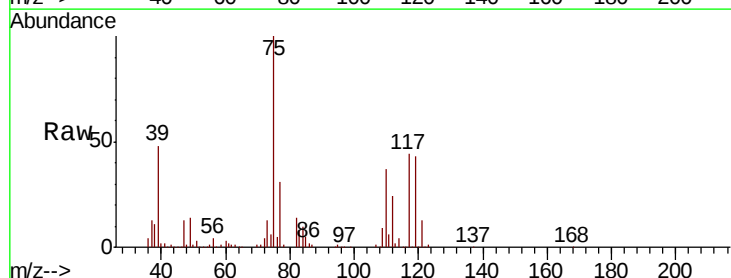
Tgt Ion: 75 Resp: 717452

Ion Ratio Lower Upper

75 100

110 37.0 18.2 54.6

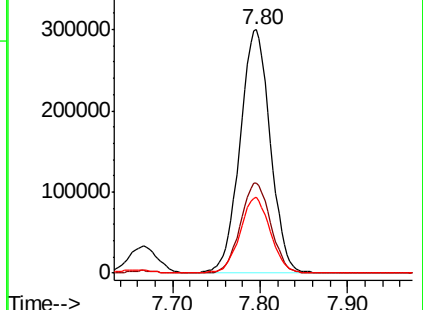
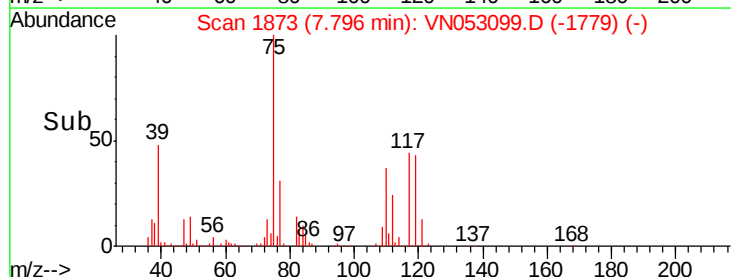
77 31.3 24.9 37.3

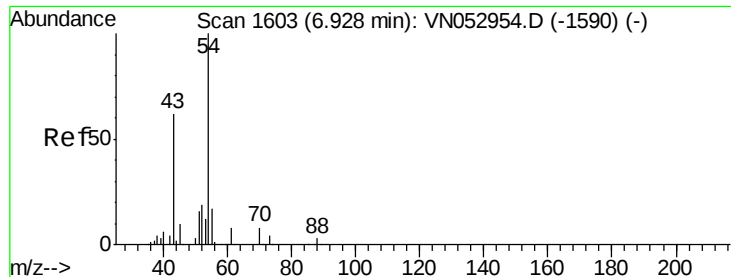


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

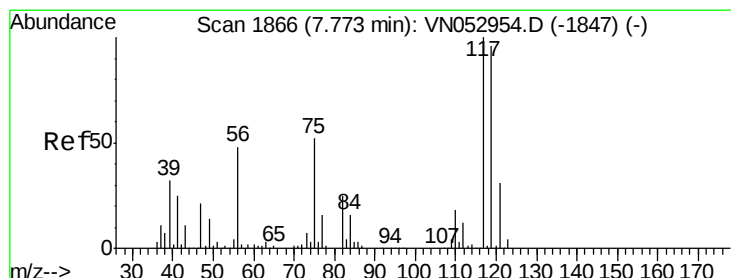
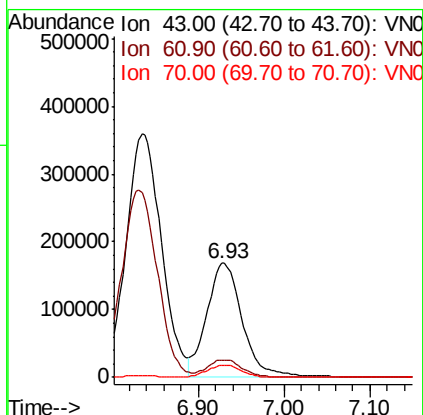
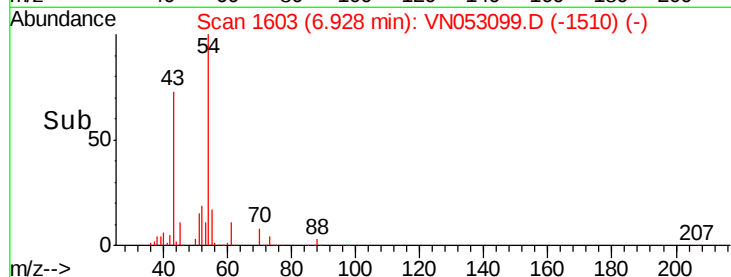
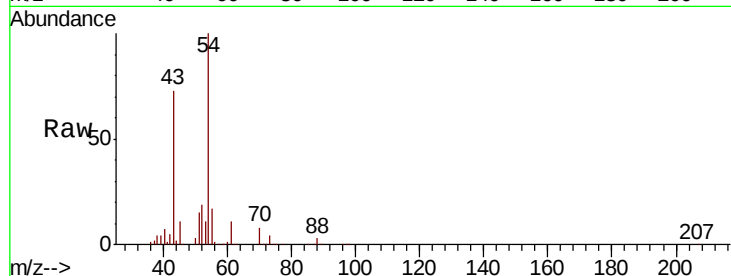




#37
Ethyl Acetate
Concen: 51.337 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

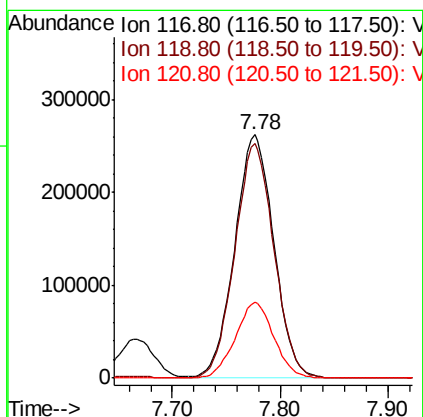
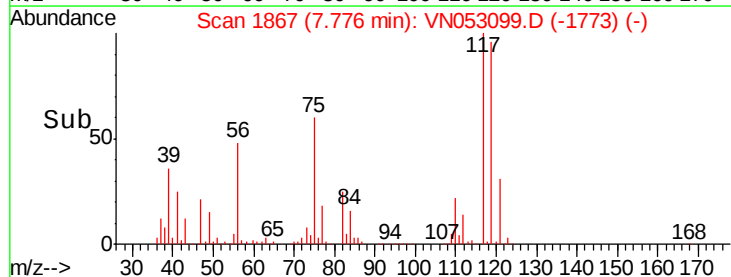
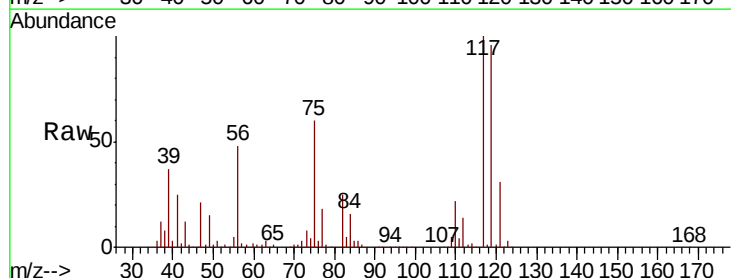
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 478969
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 43.125 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 117 Resp: 660625
Ion Ratio Lower Upper
117 100
119 96.3 77.1 115.7
121 31.2 24.9 37.3

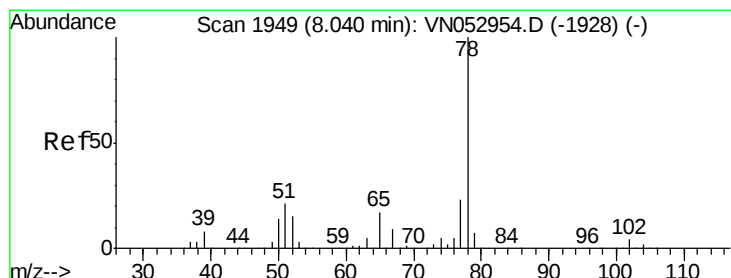
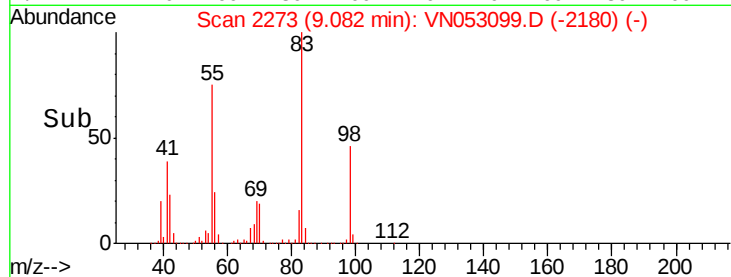
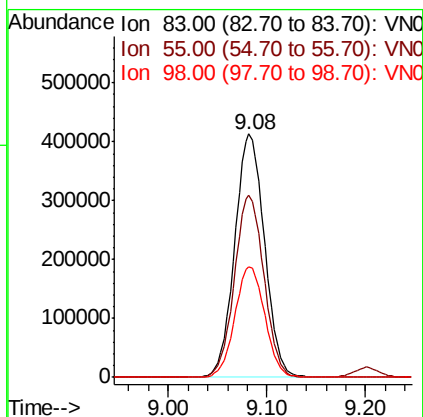
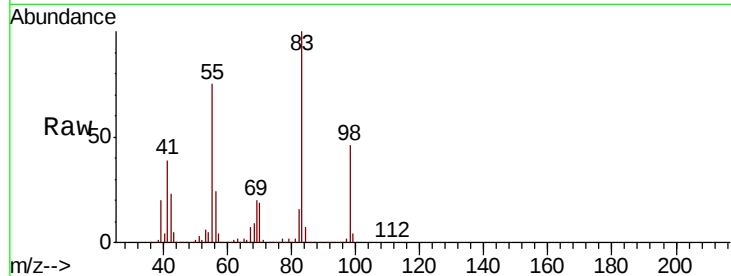




#39
Methvlcvclohexane
Concen: 42.584 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

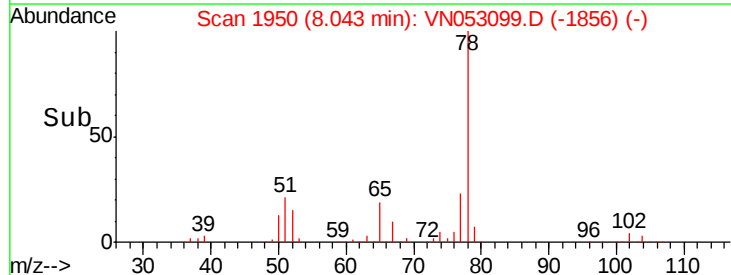
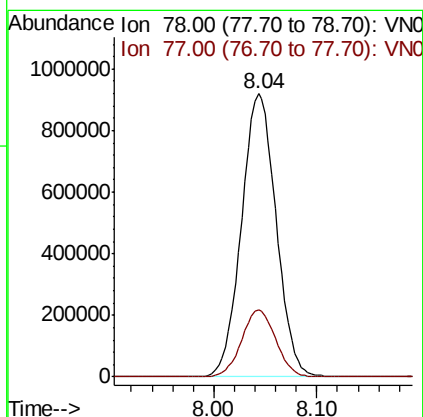
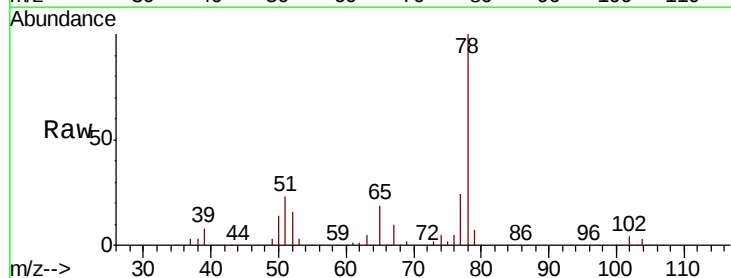
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

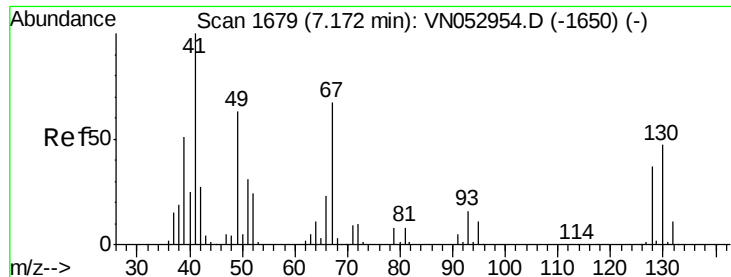
Tot Ion: 83 Resp: 864571
Ion Ratio Lower Upper
83 100
55 74.6 61.3 91.9
98 45.6 37.0 55.4



#40
Benzene
Concen: 43.235 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 78 Resp: 2149315
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

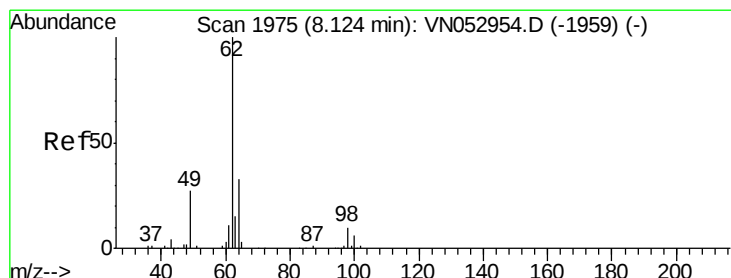
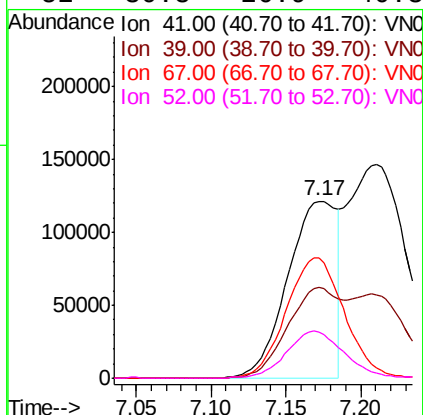
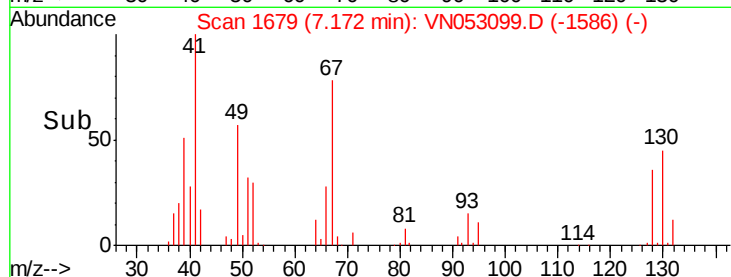
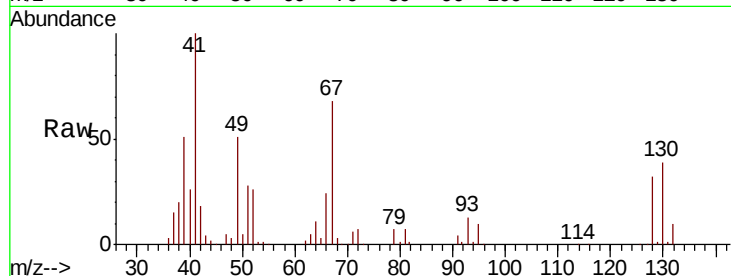




#41
Methacrylonitrile
Concen: 51.150 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

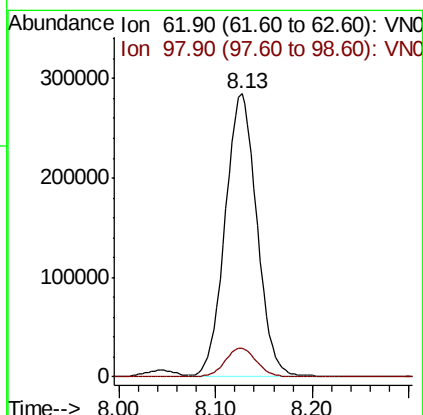
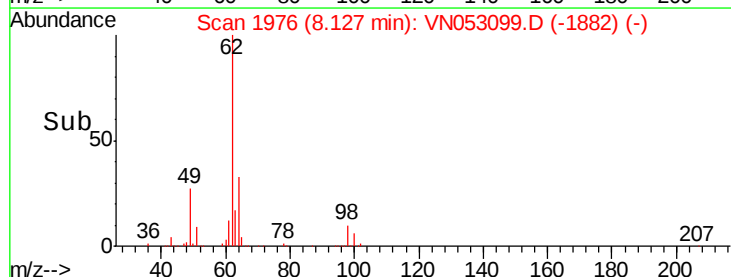
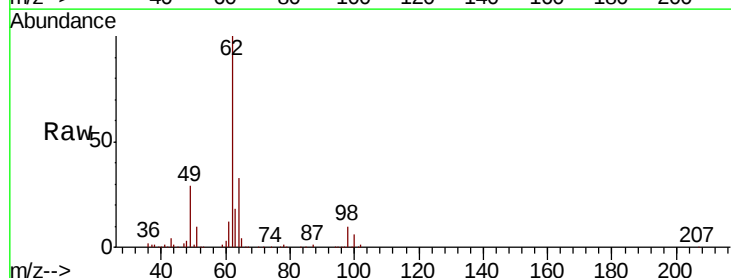
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

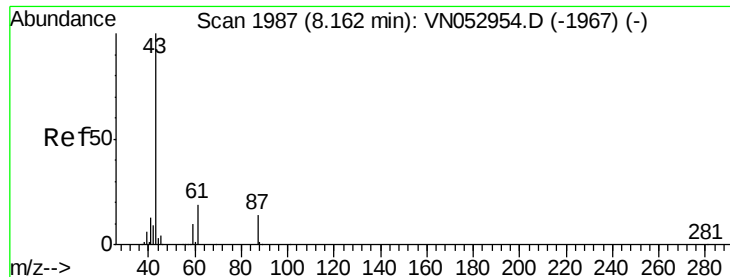
Tot Ion: 41 Resp: 275739
Ion Ratio Lower Upper
41 100
39 53.9 48.0 72.0
67 81.2 70.3 105.5
52 30.8 26.9 40.3



#42
1,2-Dichloroethane
Concen: 44.113 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 62 Resp: 647838
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.0





#43

Isopropyl Acetate

Concen: 48.049 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

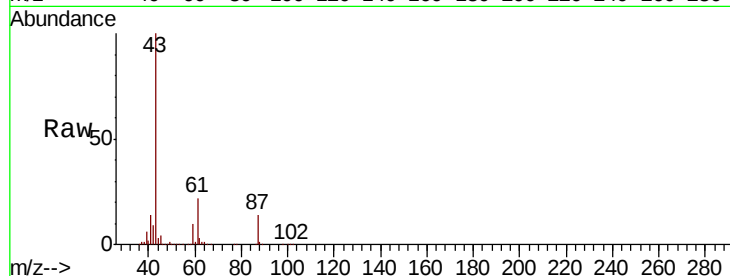
Tot Ion: 43 Resp: 868265

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

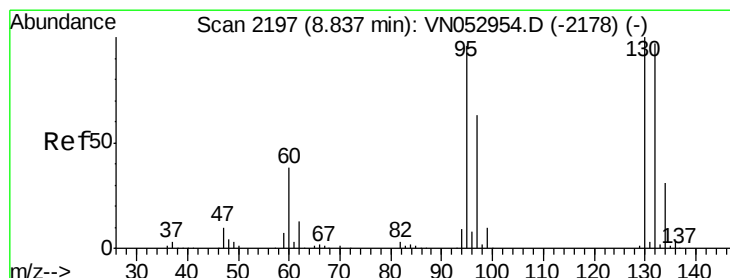
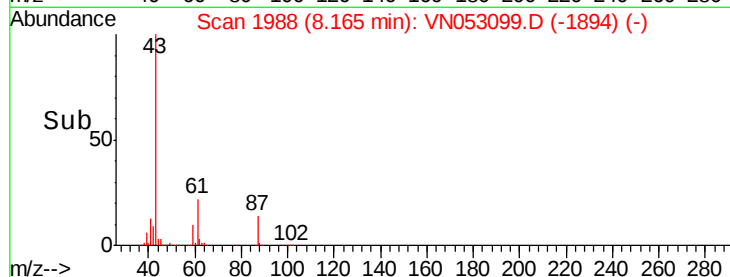
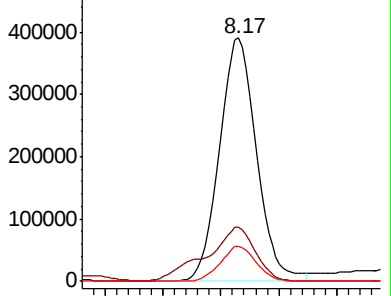
87 13.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 41.383 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053099.D

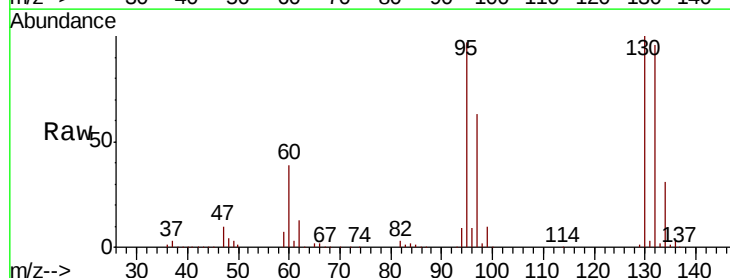
Acq: 21 Dec 2018 13:21

Tgt Ion:130 Resp: 595034

Ion Ratio Lower Upper

130 100

95 97.5 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 137.00 (136.70 to 137.70): VN052954.D (-2178) (-)

Ion 130.00 (129.70 to 130.30): VN052954.D (-2178) (-)

Ion 95.00 (94.70 to 95.30): VN052954.D (-2178) (-)

Ion 60.00 (59.70 to 60.30): VN052954.D (-2178) (-)

Ion 47.00 (46.70 to 47.70): VN052954.D (-2178) (-)

Ion 37.00 (36.70 to 37.70): VN052954.D (-2178) (-)

Ion 137.00 (136.70 to 137.70): VN052954.D (-2178) (-)

Ion 130.00 (129.70 to 130.30): VN052954.D (-2178) (-)

Ion 95.00 (94.70 to 95.30): VN052954.D (-2178) (-)

Ion 60.00 (59.70 to 60.30): VN052954.D (-2178) (-)

Ion 47.00 (46.70 to 47.70): VN052954.D (-2178) (-)

Ion 37.00 (36.70 to 37.70): VN052954.D (-2178) (-)

Ion 137.00 (136.70 to 137.70): VN052954.D (-2178) (-)

Ion 130.00 (129.70 to 130.30): VN052954.D (-2178) (-)

Ion 95.00 (94.70 to 95.30): VN052954.D (-2178) (-)

Ion 60.00 (59.70 to 60.30): VN052954.D (-2178) (-)

Ion 47.00 (46.70 to 47.70): VN052954.D (-2178) (-)

Ion 37.00 (36.70 to 37.70): VN052954.D (-2178) (-)

Ion 137.00 (136.70 to 137.70): VN052954.D (-2178) (-)

Ion 130.00 (129.70 to 130.30): VN052954.D (-2178) (-)

Ion 95.00 (94.70 to 95.30): VN052954.D (-2178) (-)

Ion 60.00 (59.70 to 60.30): VN052954.D (-2178) (-)

Ion 47.00 (46.70 to 47.70): VN052954.D (-2178) (-)

Ion 37.00 (36.70 to 37.70): VN052954.D (-2178) (-)

Ion 137.00 (136.70 to 137.70): VN052954.D (-2178) (-)

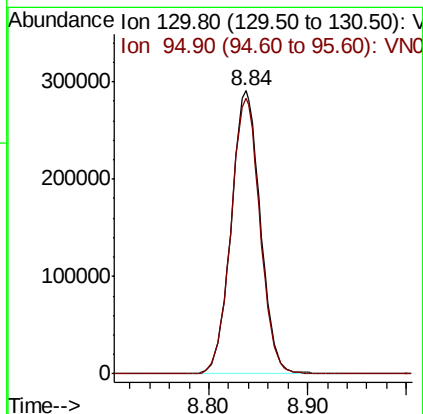
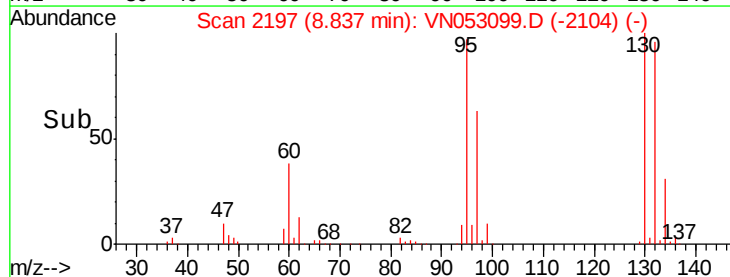
Ion 130.00 (129.70 to 130.30): VN052954.D (-2178) (-)

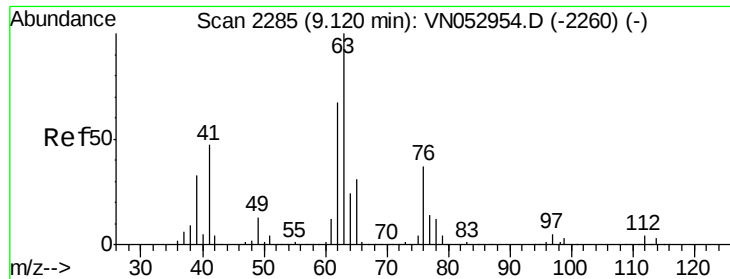
Ion 95.00 (94.70 to 95.30): VN052954.D (-2178) (-)

Ion 60.00 (59.70 to 60.30): VN052954.D (-2178) (-)

Ion 47.00 (46.70 to 47.70): VN052954.D (-2178) (-)

Ion 37.00 (36.70 to 37.70): VN052954.D (-2178) (-)

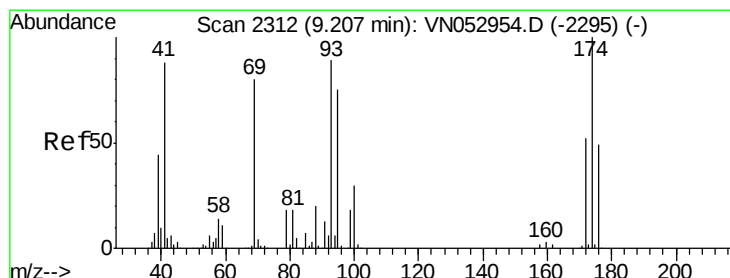
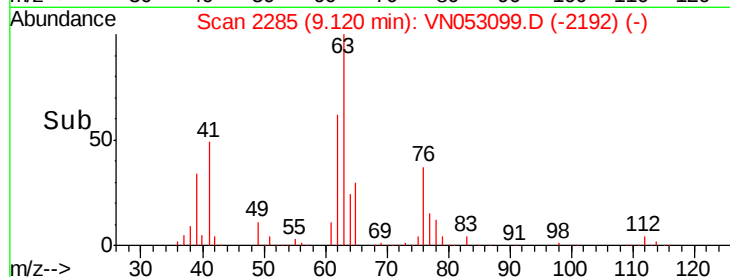
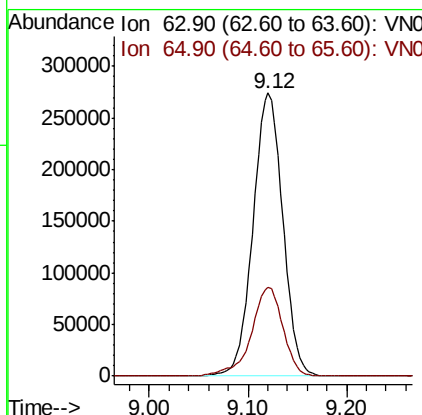
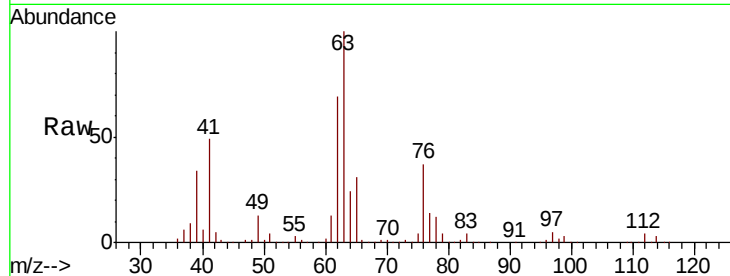




#45
 1,2-Dichloropropane
 Concen: 44.055 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

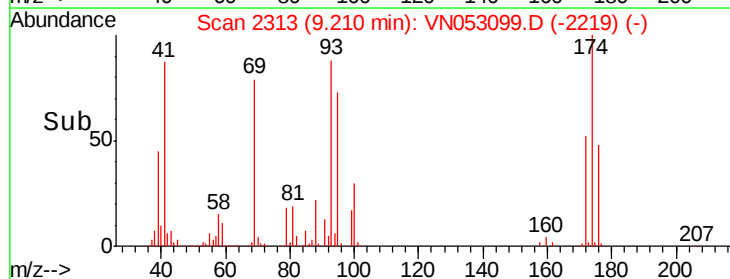
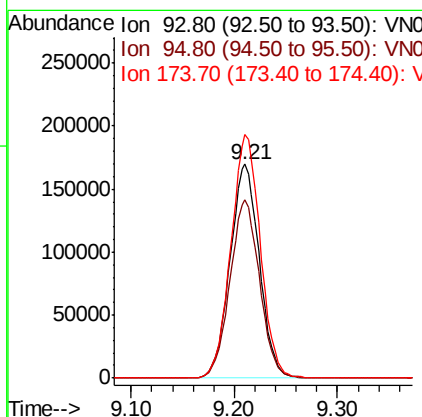
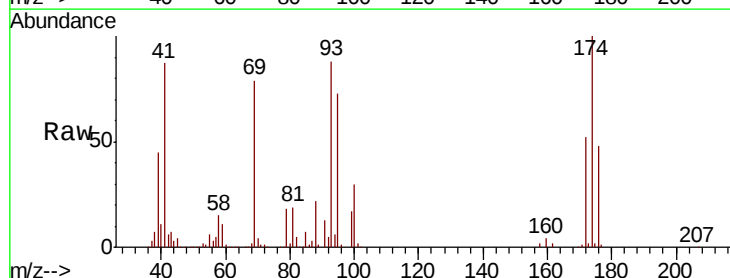
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

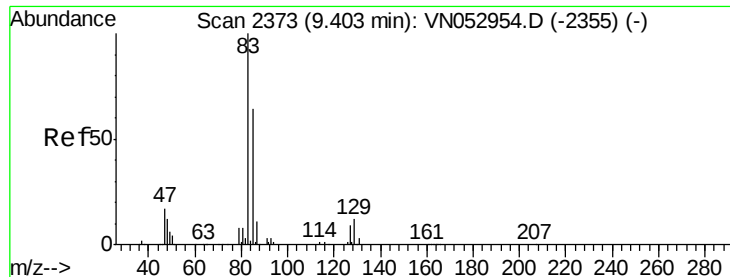
Tot Ion: 63 Resp: 570452
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0



#46
 Dibromomethane
 Concen: 44.674 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 93 Resp: 336984
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 113.7 89.0 133.4





#47

Bromodichloromethane

Concen: 44.191 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

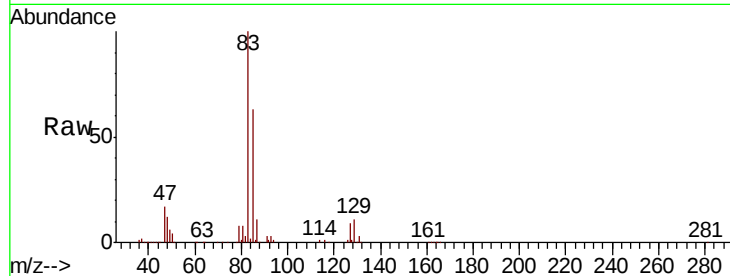
Tot Ion: 83 Resp: 708565

Ion Ratio Lower Upper

83 100

85 63.3 51.6 77.4

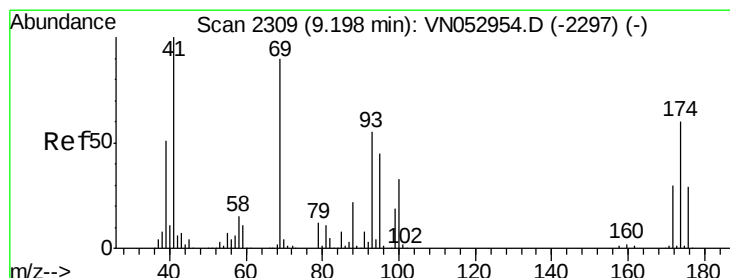
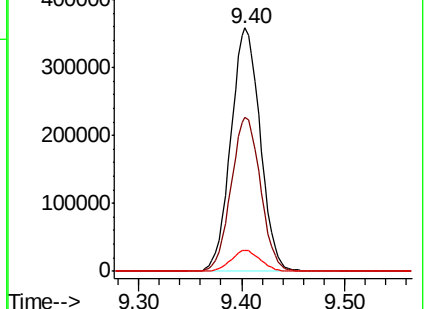
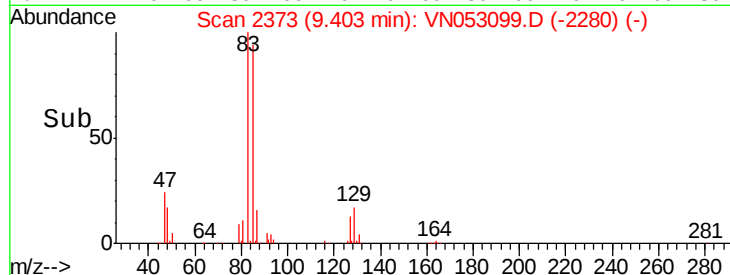
127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053099.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053099.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053099.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.034 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

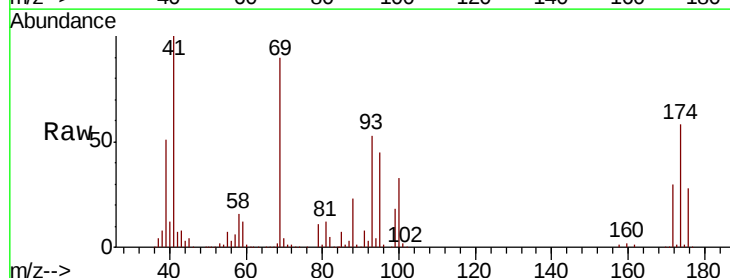
Tgt Ion: 41 Resp: 434881

Ion Ratio Lower Upper

41 100

69 94.1 72.2 108.2

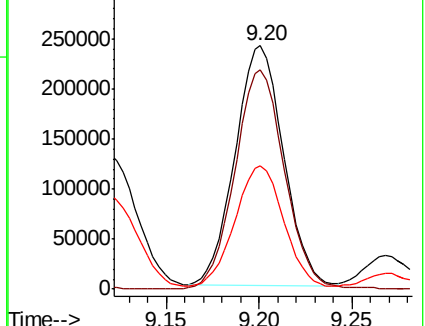
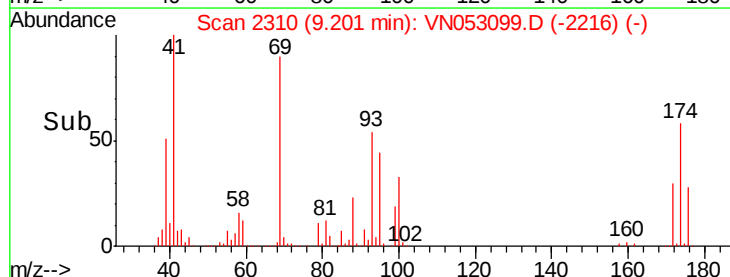
39 52.6 41.9 62.9

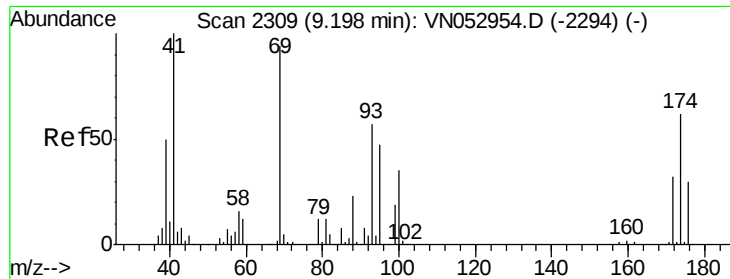


Abundance Ion 41.00 (40.70 to 41.70): VN053099.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053099.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053099.D (-2216) (-)

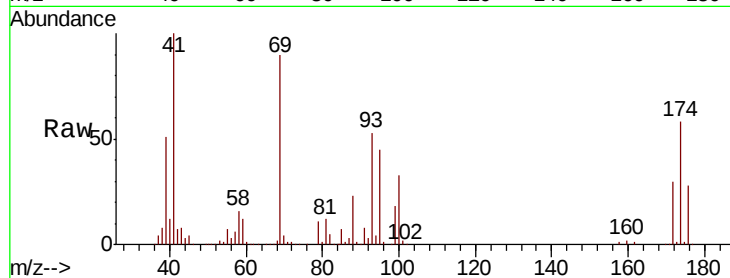




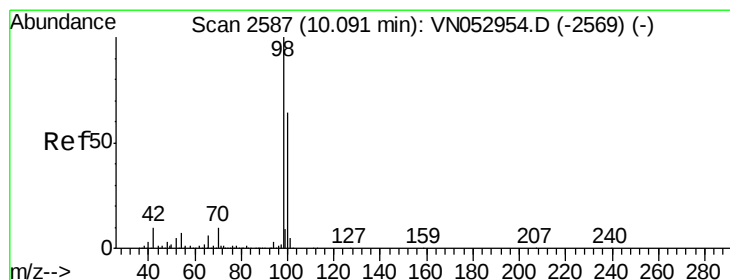
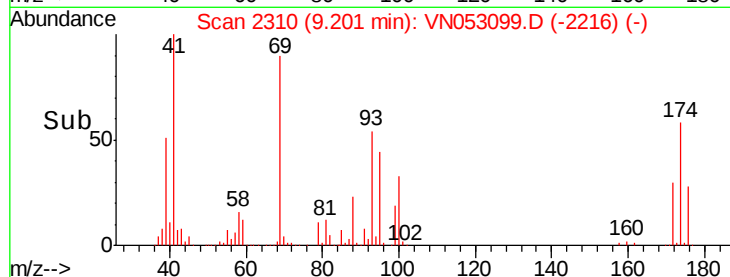
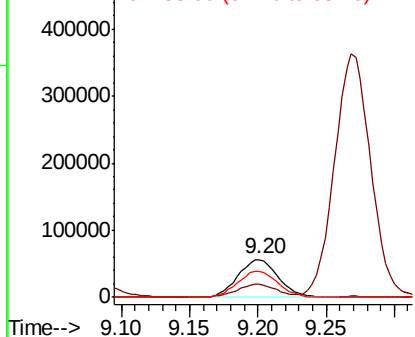
#49
1,4-Dioxane
Concen: 1006.634 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 115283
Ion Ratio Lower Upper
88 100
43 31.7 26.6 40.0
58 69.0 58.4 87.6

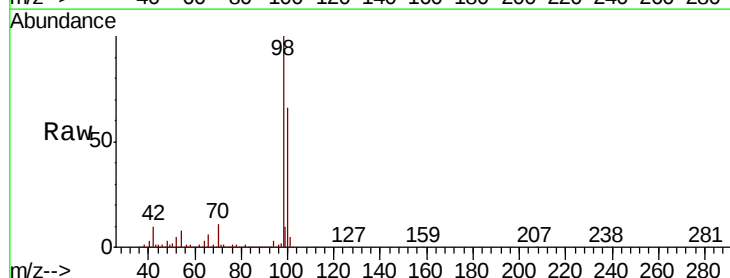


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

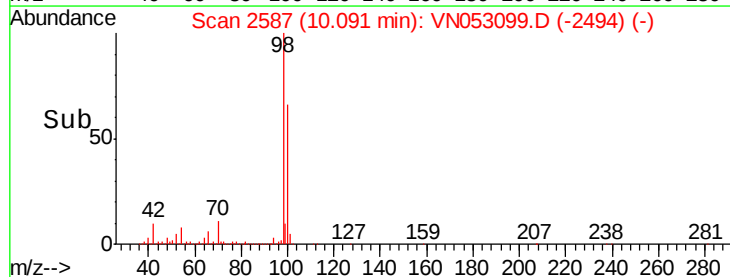
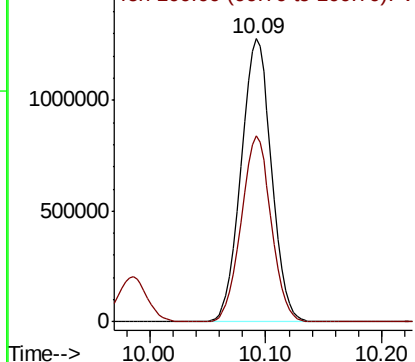


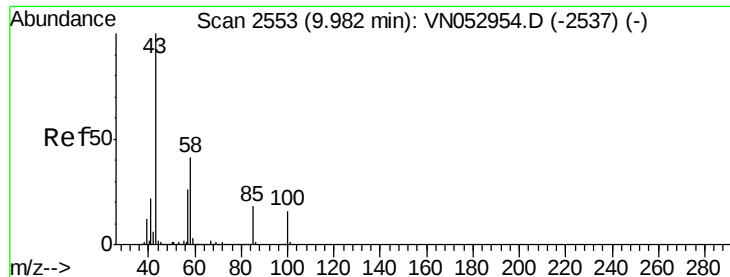
#50
Toluene-d8
Concen: 1006.634 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 98 Resp: 2326369
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



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

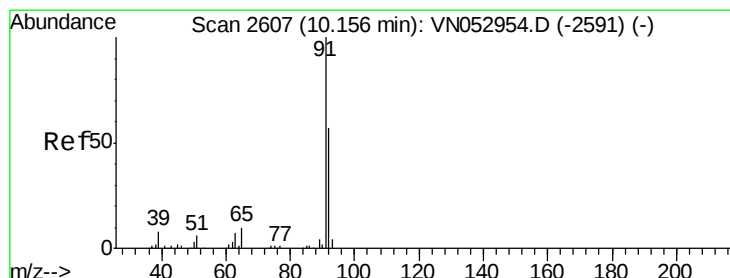
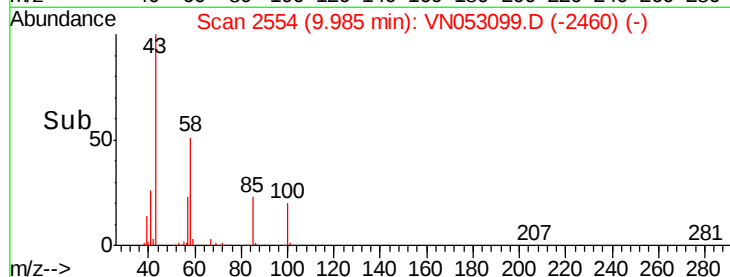
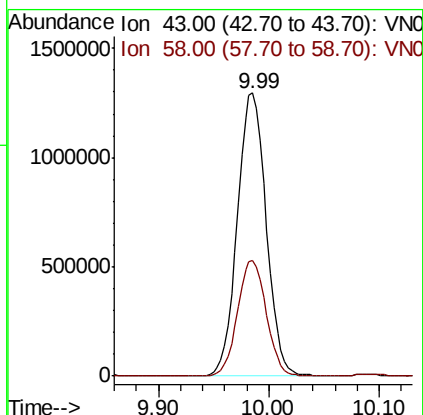
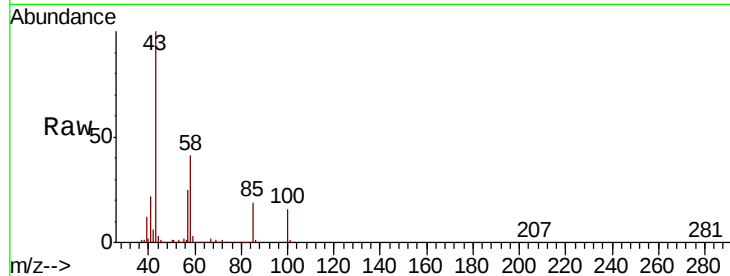




#51
4-Methyl-2-Pentanone
Concen: 259.644 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

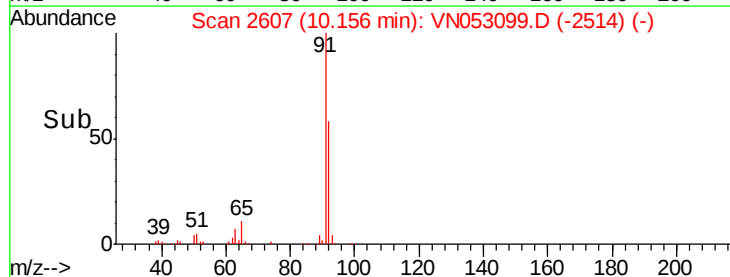
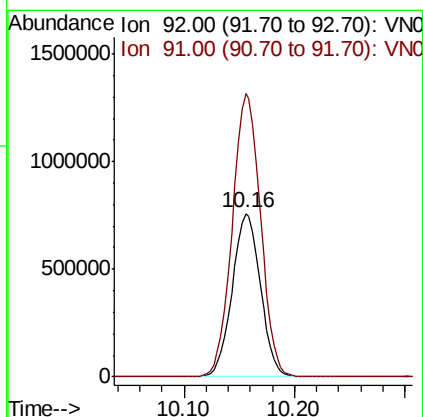
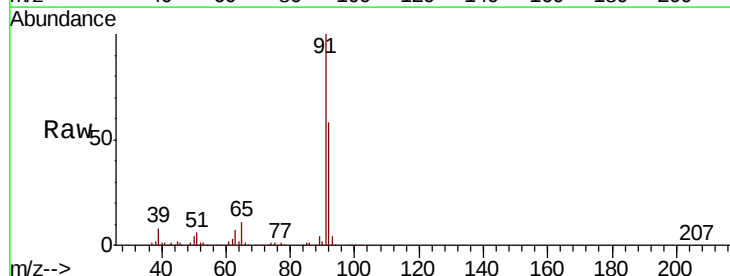
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2345972
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4



#52
Toluene
Concen: 43.646 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 92 Resp: 1344875
Ion Ratio Lower Upper
92 100
91 174.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 44.017 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

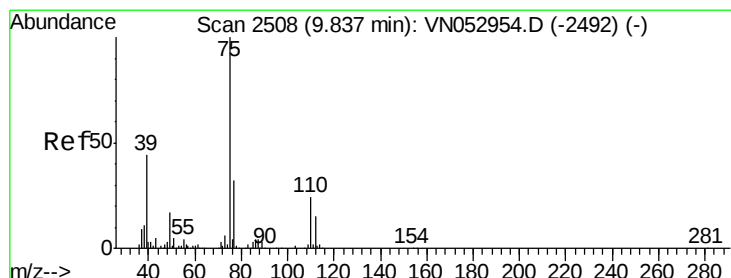
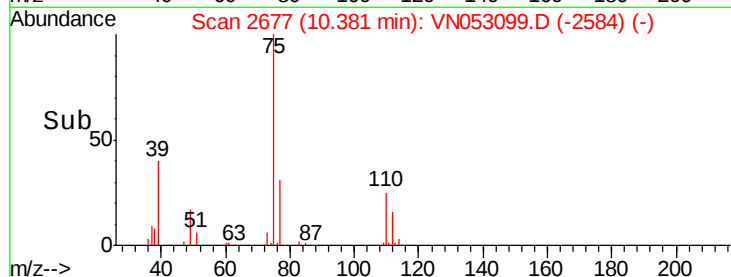
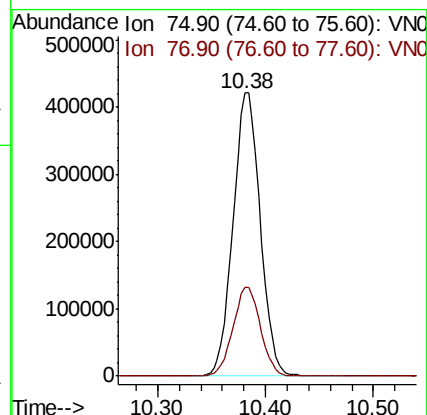
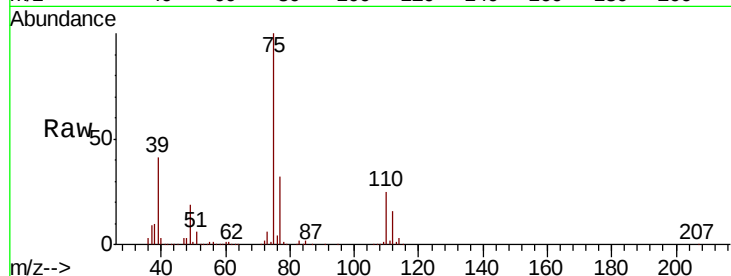
VSTDCCC050

Tot Ion: 75 Resp: 742158

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 43.877 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

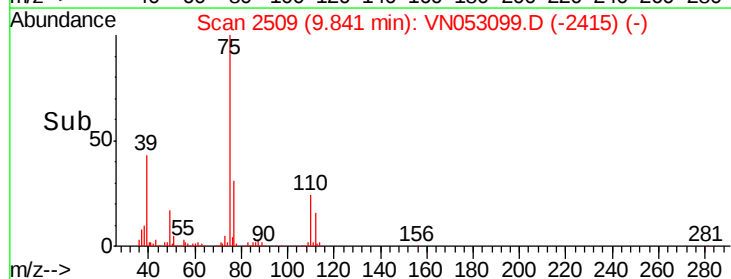
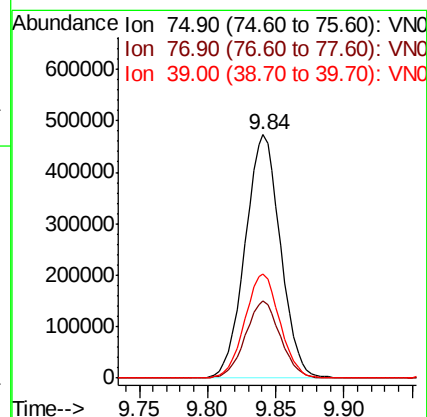
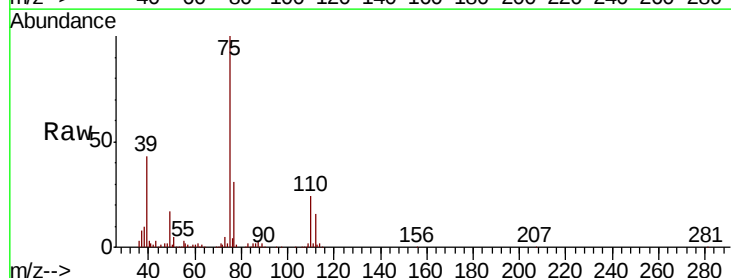
Tgt Ion: 75 Resp: 849156

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 42.6 34.8 52.2

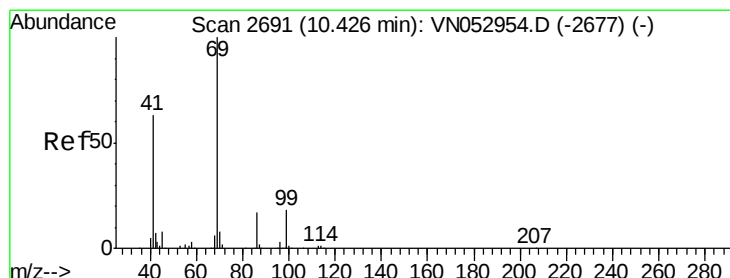
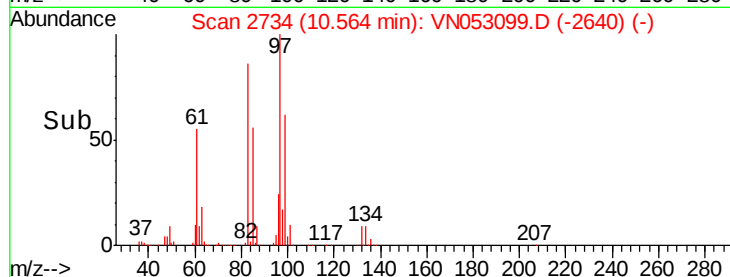
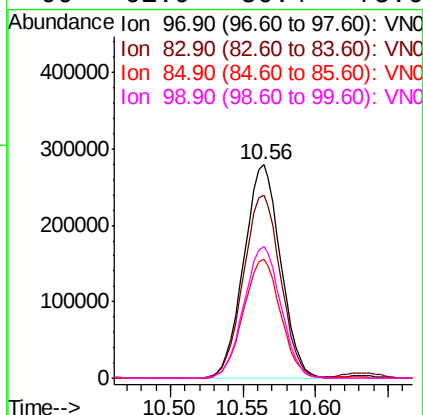
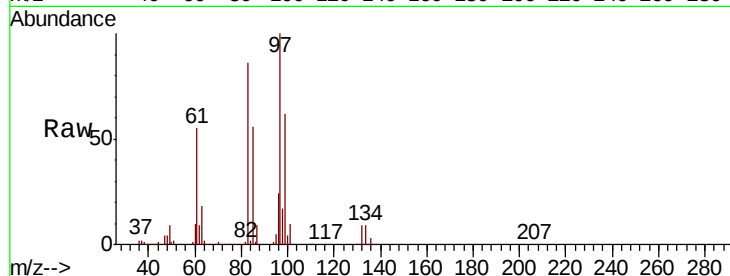




#55
 1,1,2-Trichloroethane
 Concen: 45.955 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

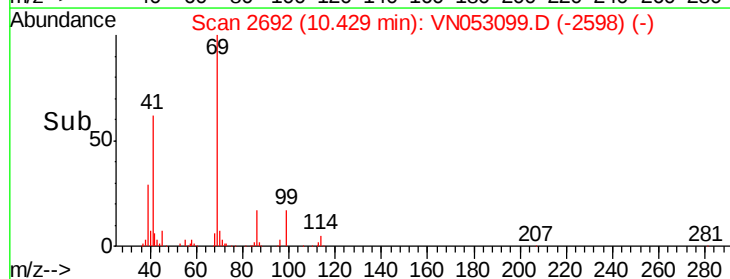
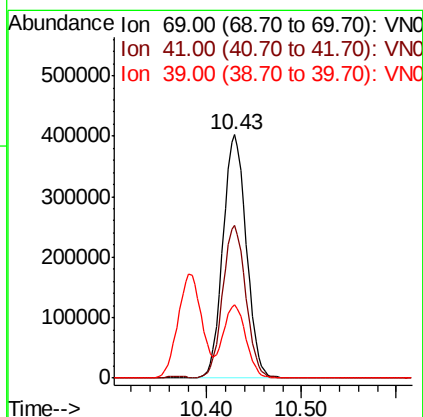
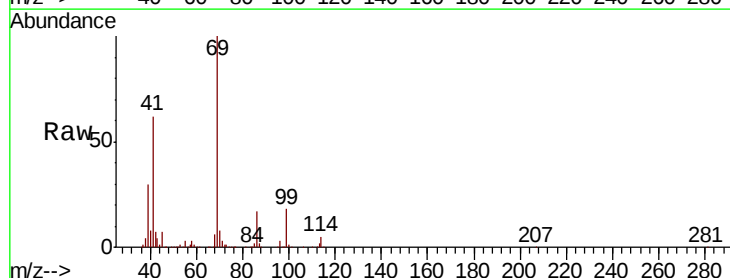
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

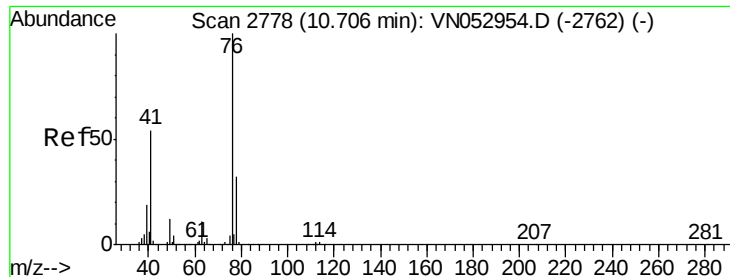
Tot Ion: 97 Resp: 494005
 Ion Ratio Lower Upper
 97 100
 83 85.8 70.9 106.3
 85 55.7 45.4 68.2
 99 61.9 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 48.634 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 69 Resp: 691982
 Ion Ratio Lower Upper
 69 100
 41 61.5 51.7 77.5
 39 29.6 24.6 37.0





#57

1,3-Dichloropropane

Concen: 45.368 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

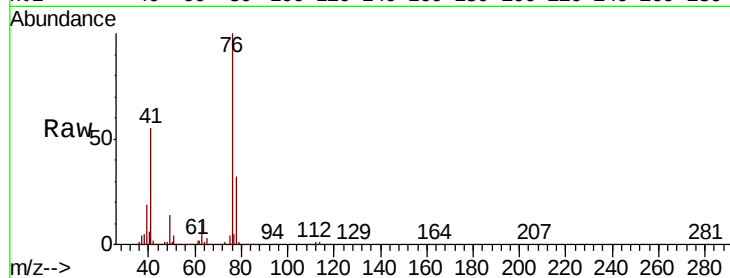
VSTDCCC050

Tot Ion: 76 Resp: 836304

Ion Ratio Lower Upper

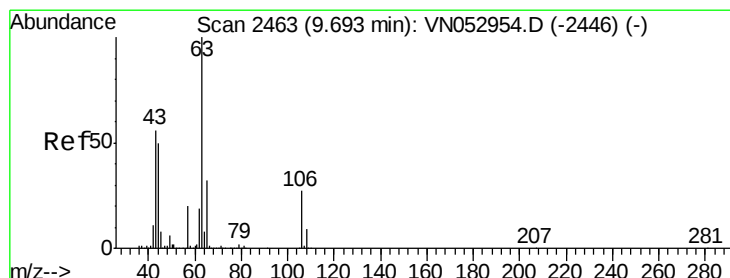
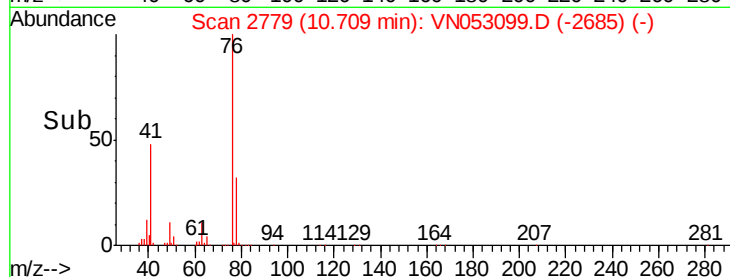
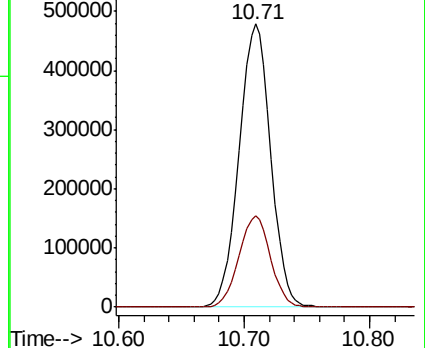
76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 170.973 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053099.D

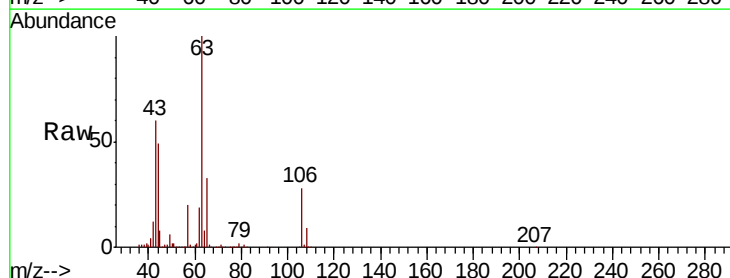
Acq: 21 Dec 2018 13:21

Tgt Ion: 63 Resp: 1335512

Ion Ratio Lower Upper

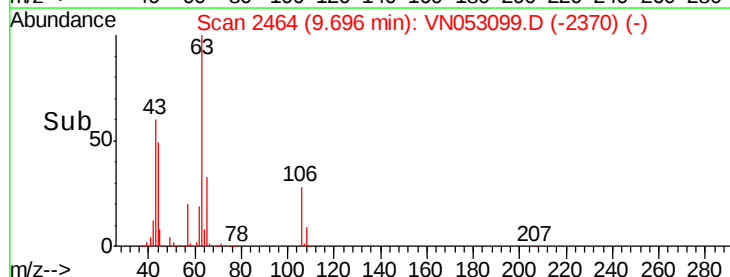
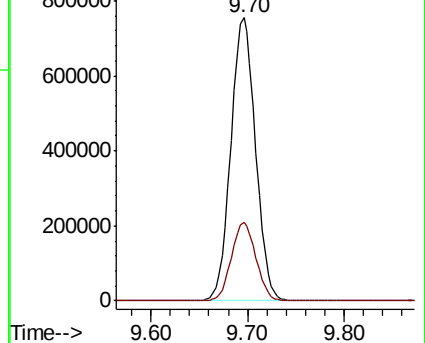
63 100

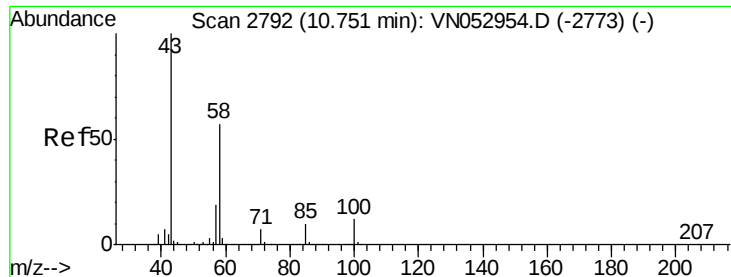
106 27.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

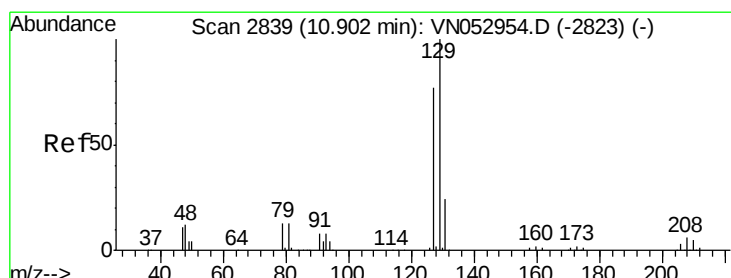
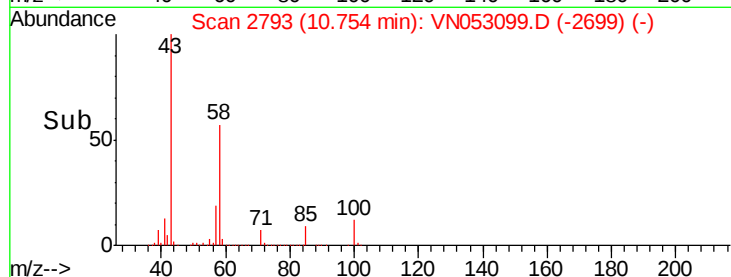
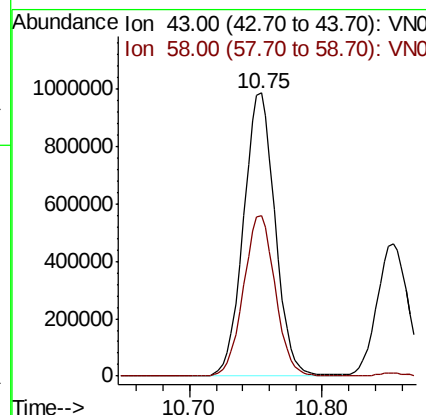
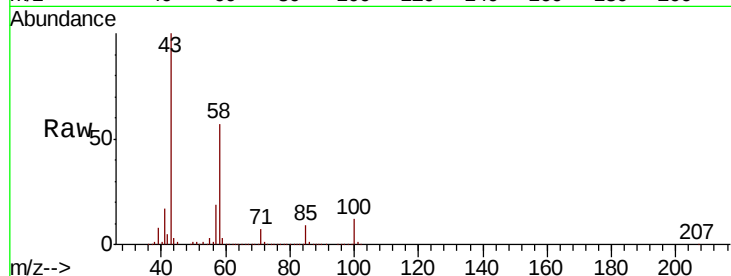




#59
2-Hexanone
Concen: 266.207 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

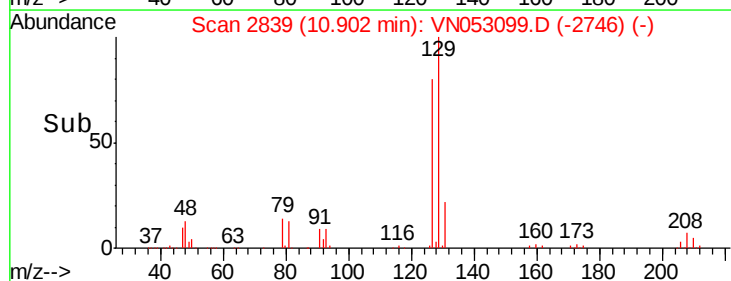
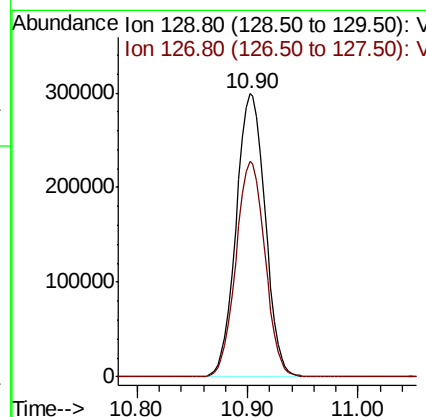
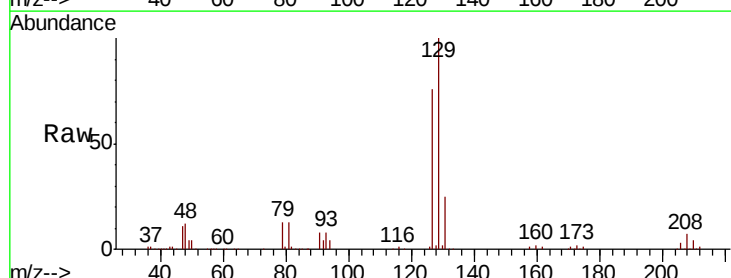
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

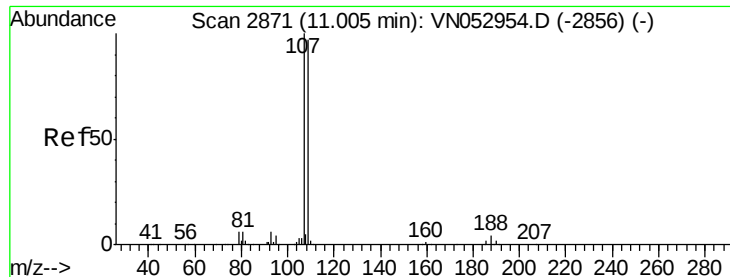
Tot Ion: 43 Resp: 1627367
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 44.410 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 129 Resp: 546461
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0

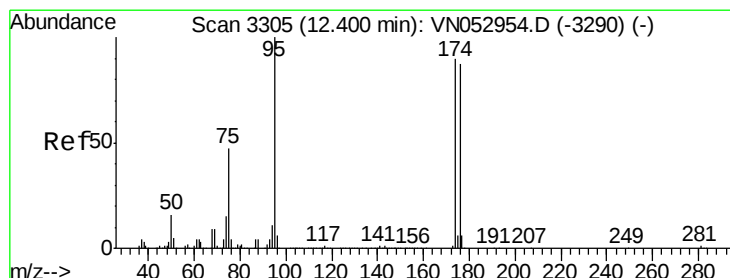
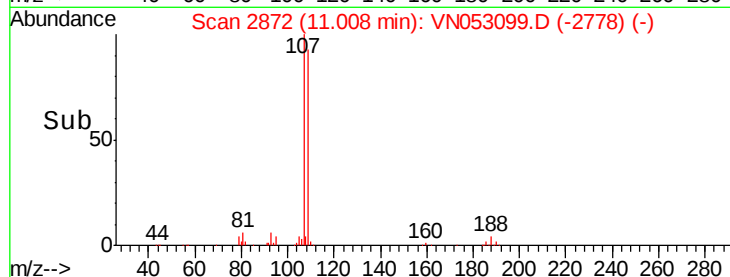
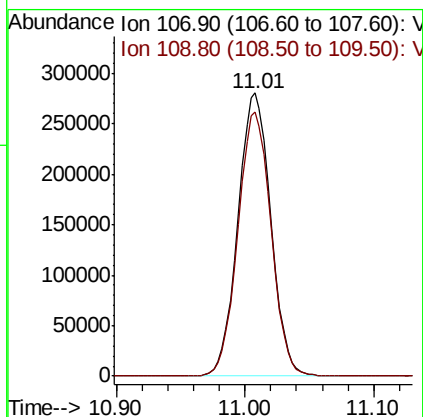
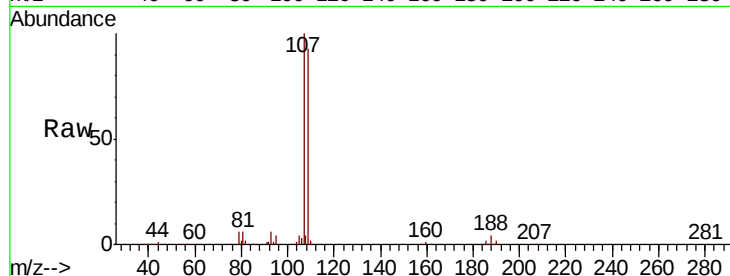




#61
 1,2-Dibromoethane
 Concen: 45.520 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

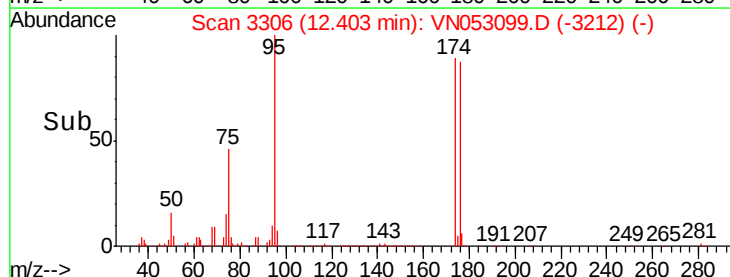
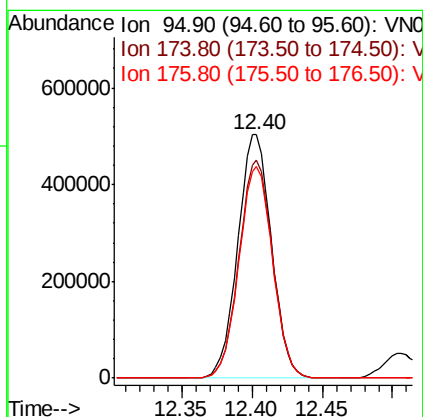
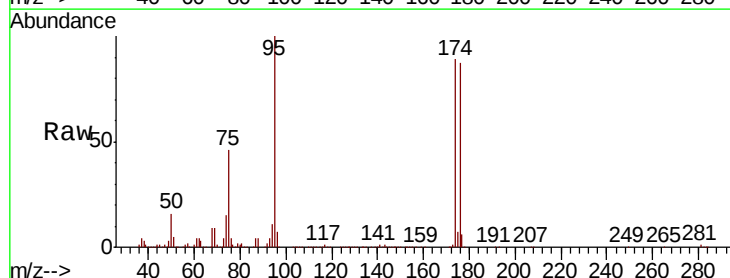
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

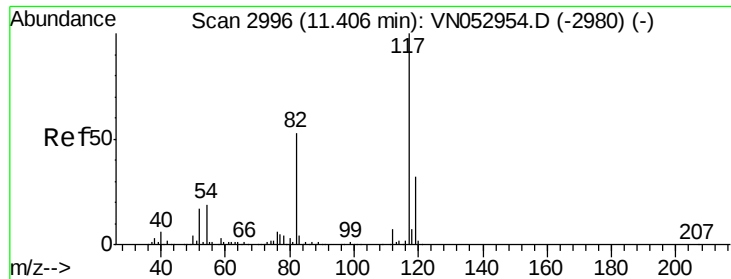
Tot Ion:107 Resp: 496960
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 45.520 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 95 Resp: 841513
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.8
 176 86.8 0.0 173.8

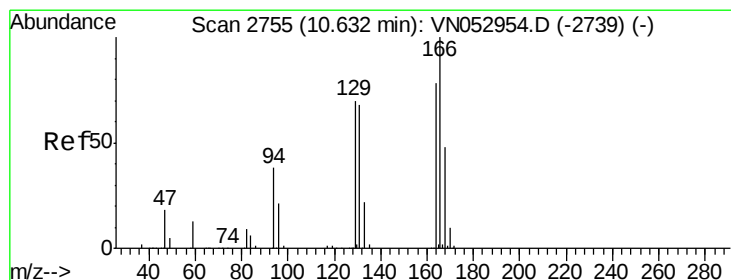
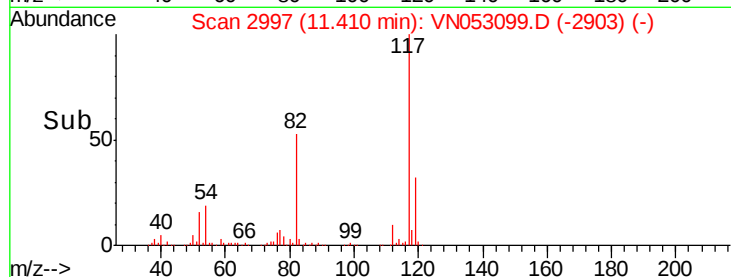
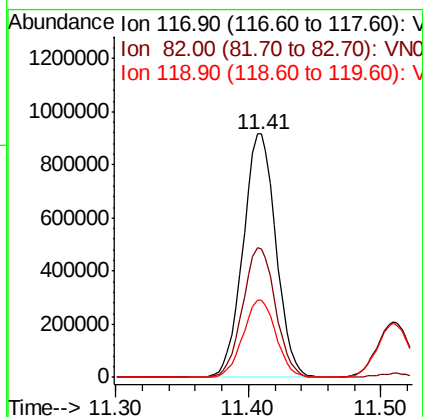
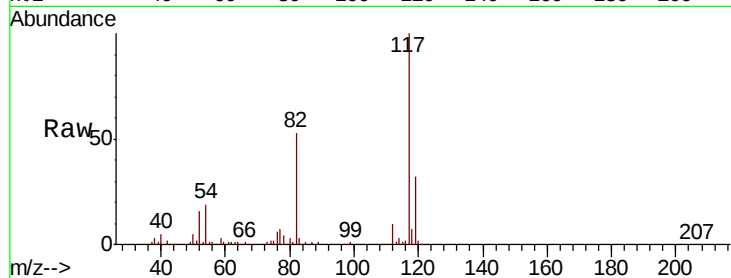




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

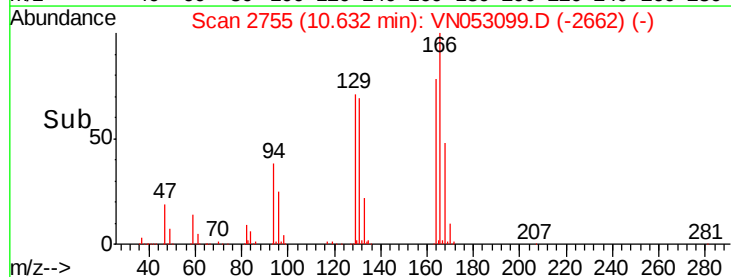
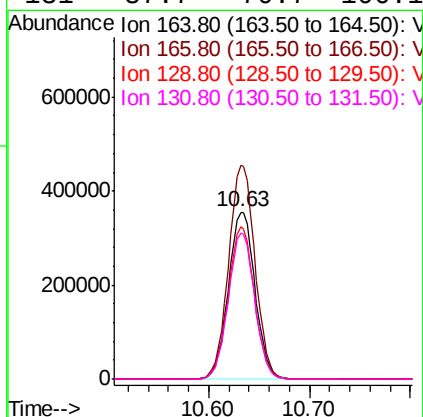
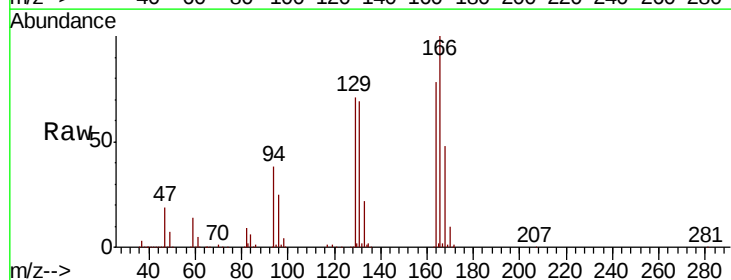
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1574917
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 38.200 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:164 Resp: 651686
Ion Ratio Lower Upper
164 100
166 127.9 102.9 154.3
129 91.1 73.7 110.5
131 87.7 70.7 106.1

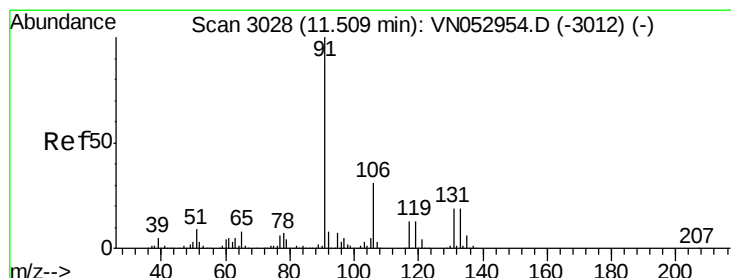
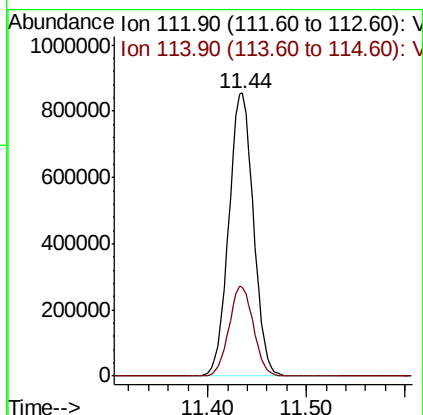
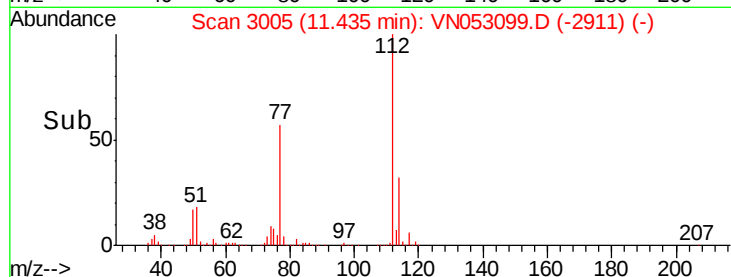
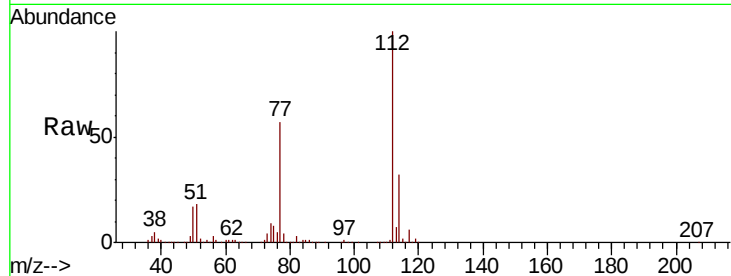




#65
Chlorobenzene
Concen: 42.639 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

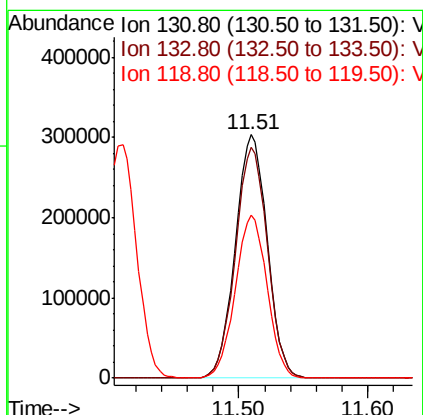
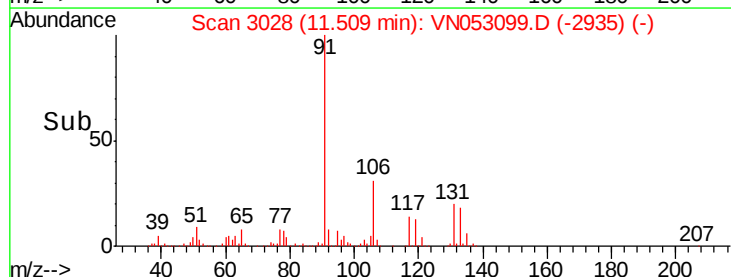
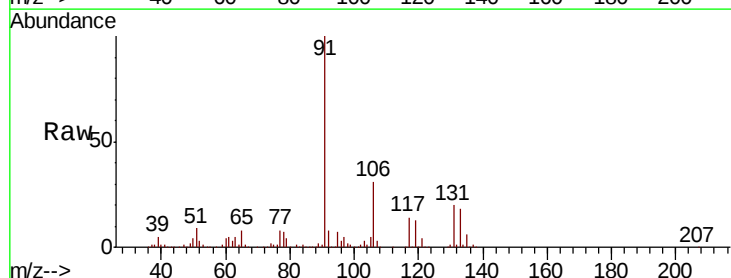
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

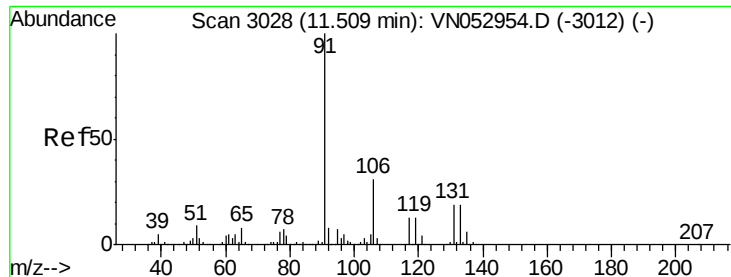
Tot Ion:112 Resp: 1488589
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 42.909 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:131 Resp: 520926
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.9 33.3 99.8

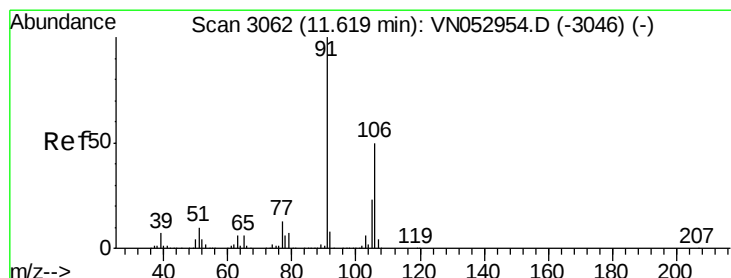
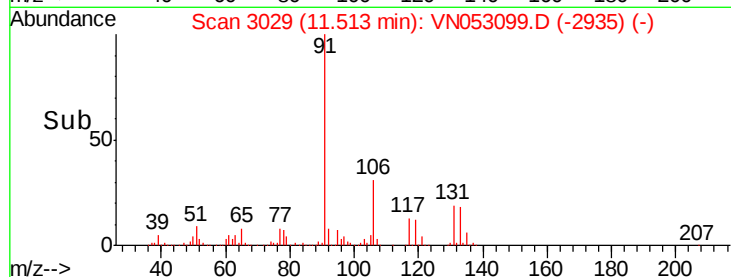
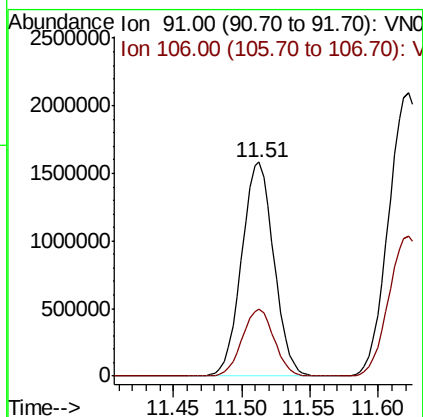
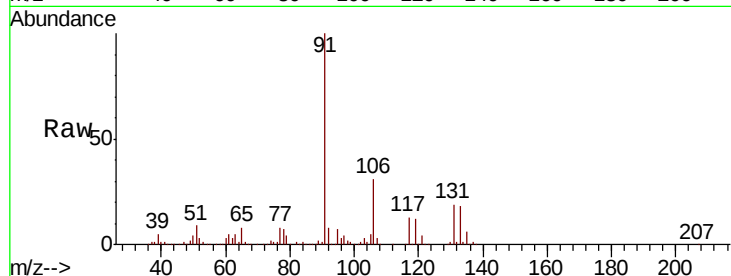




#67
Ethyl Benzene
Concen: 43.193 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

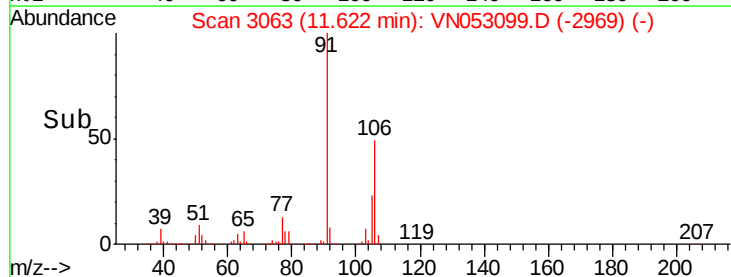
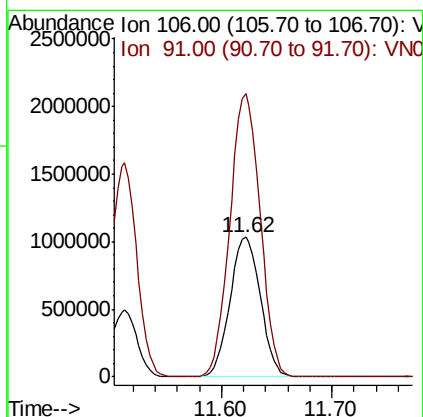
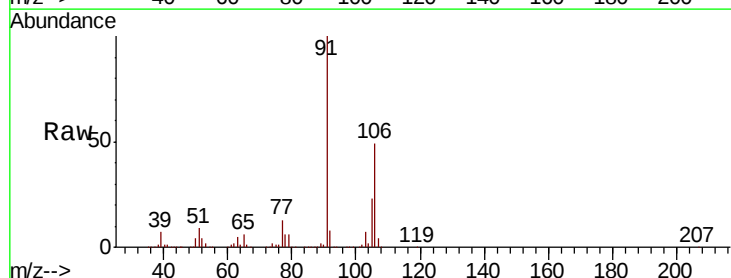
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2593250
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 86.483 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 106 Resp: 1973898
Ion Ratio Lower Upper
106 100
91 202.0 162.2 243.4

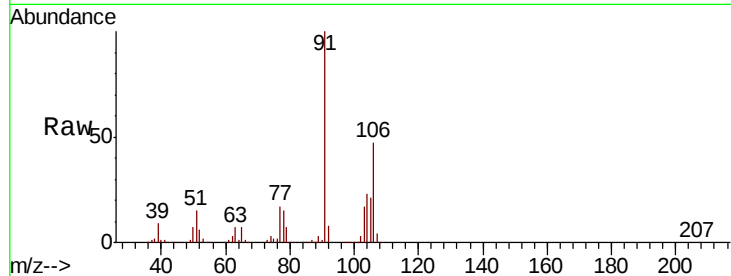




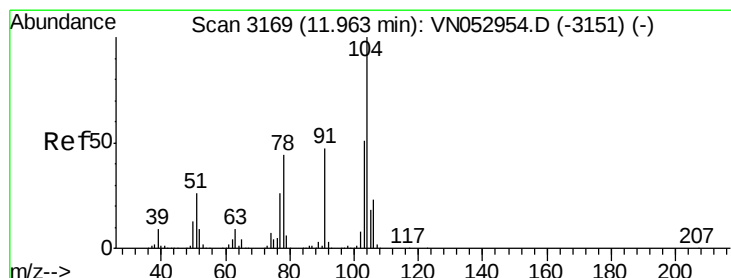
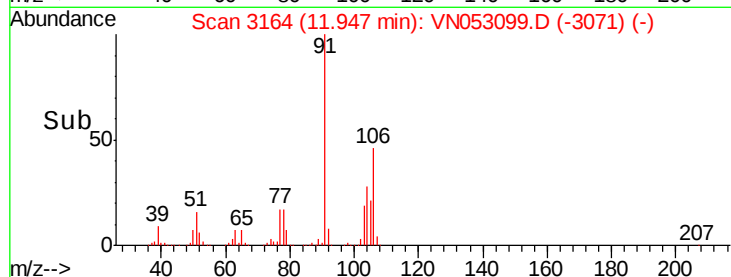
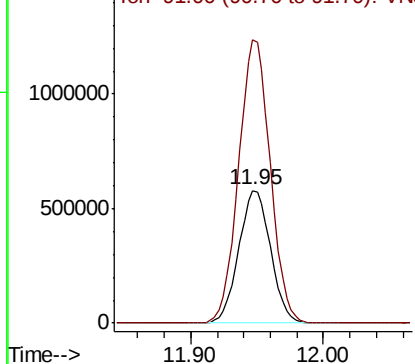
#69
o-Xylene
Concen: 44.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 964675
Ion Ratio Lower Upper
106 100
91 212.0 106.6 319.8

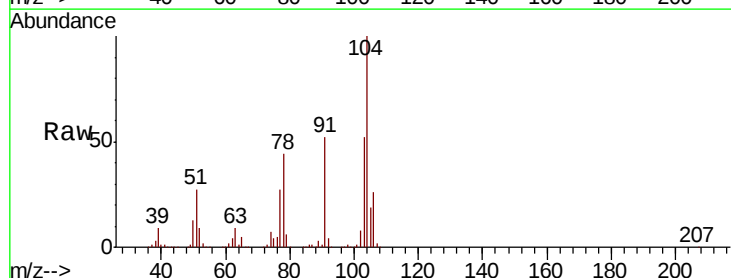


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

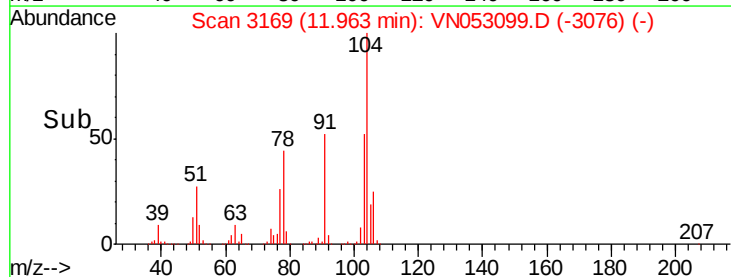
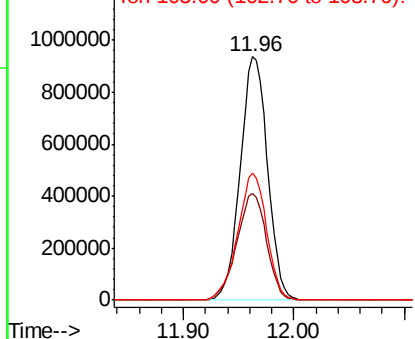


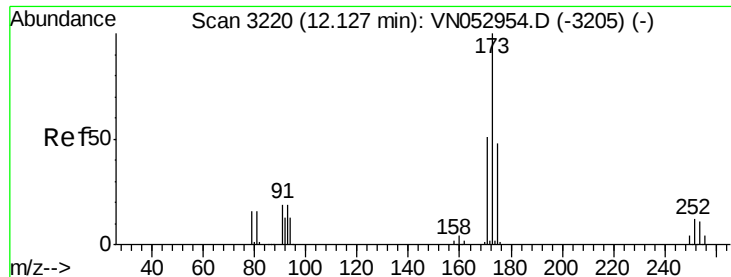
#70
Styrene
Concen: 44.800 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:104 Resp: 1599930
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

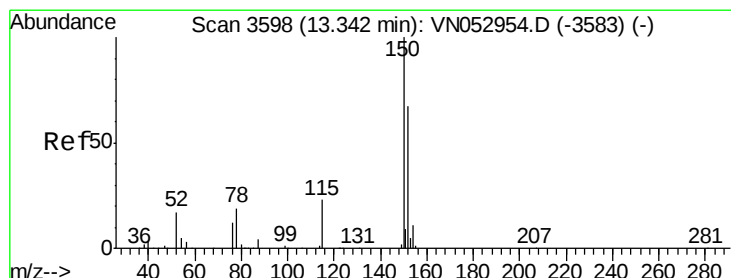
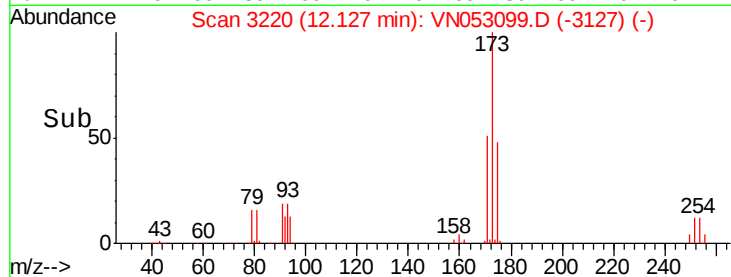
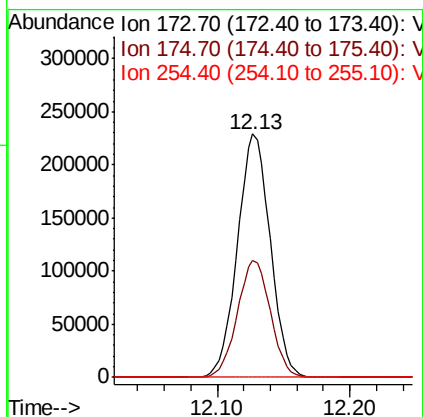
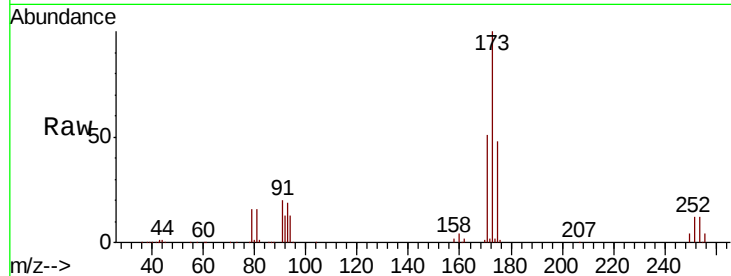




#71
Bromoform
Concen: 44.753 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

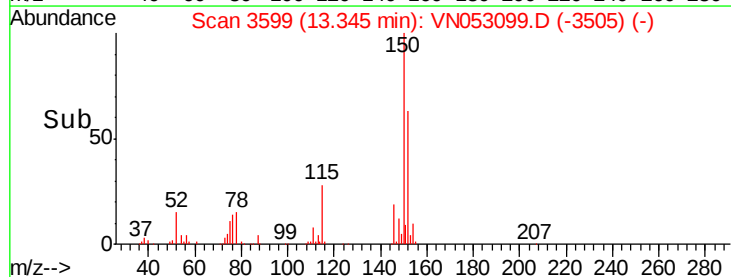
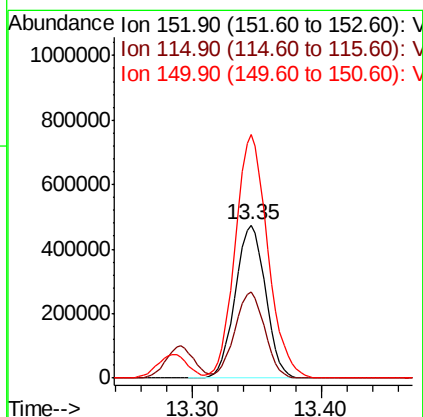
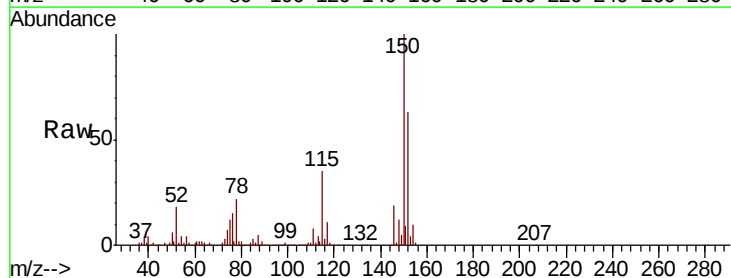
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

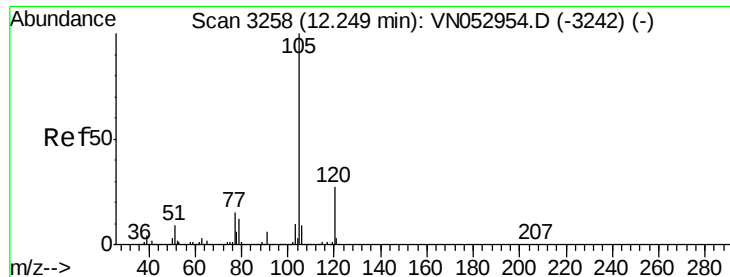
Tot Ion:173 Resp: 392504
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.9
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:152 Resp: 771748
Ion Ratio Lower Upper
152 100
115 55.9 28.3 85.0
150 171.7 0.0 347.8





#73

Isopropylbenzene

Concen: 42.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

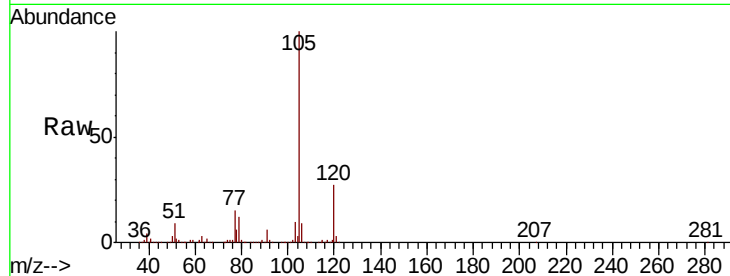
VSTDCCC050

Tot Ion:105 Resp: 2561168

Ion Ratio Lower Upper

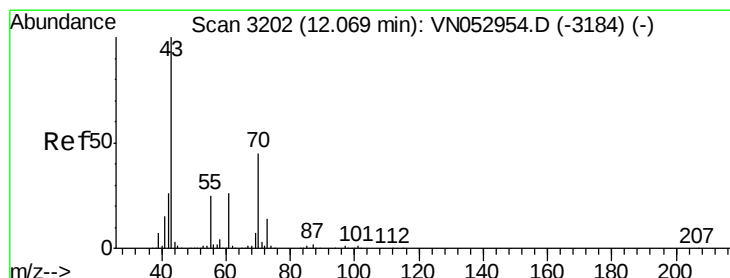
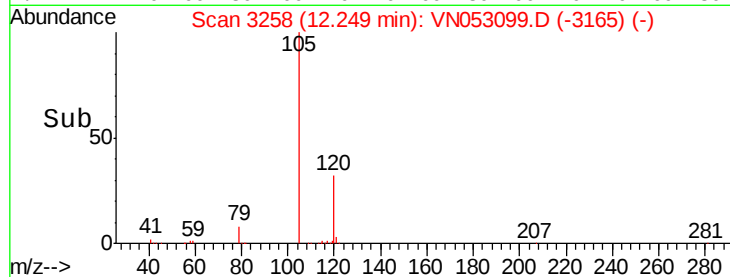
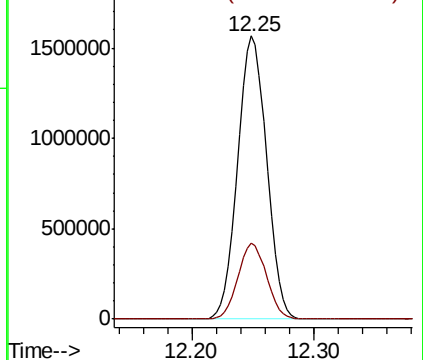
105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.904 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion: 43 Resp: 803075

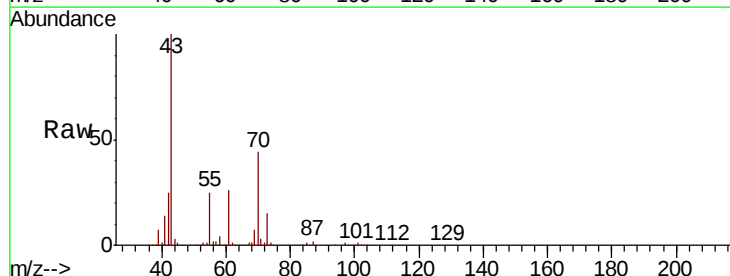
Ion Ratio Lower Upper

43 100

70 43.7 34.2 51.4

55 24.4 20.3 30.5

61 25.6 20.0 30.0

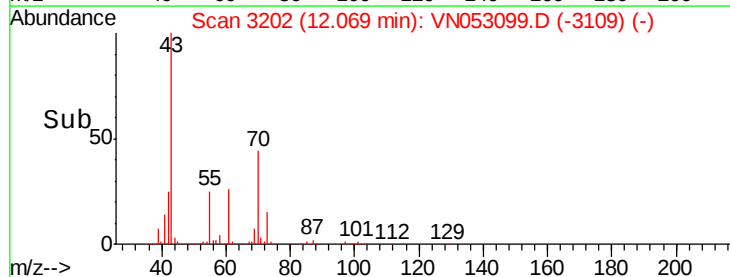
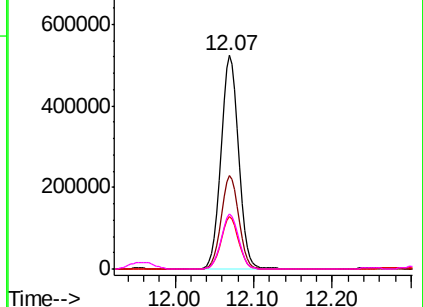


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.285 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

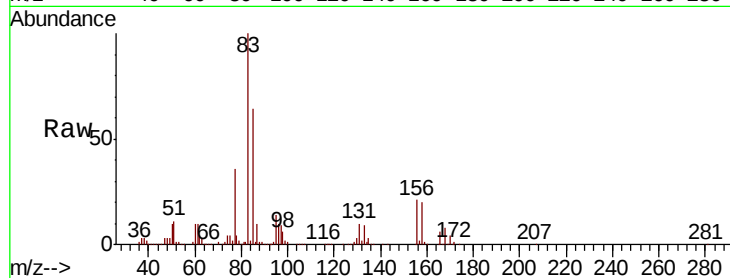
Tot Ion: 83 Resp: 595683

Ion Ratio Lower Upper

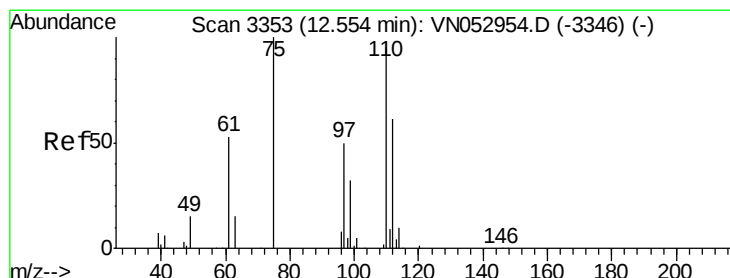
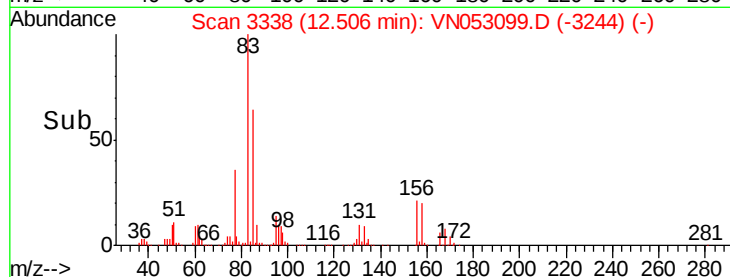
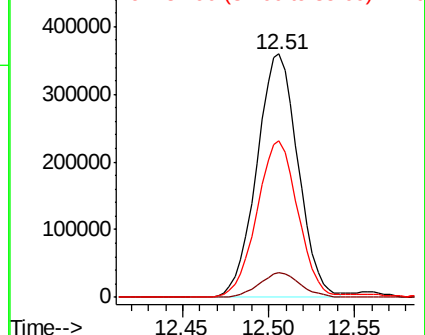
83 100

131 10.2 5.2 15.6

85 64.1 32.4 97.0



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: 60.963 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053099.D

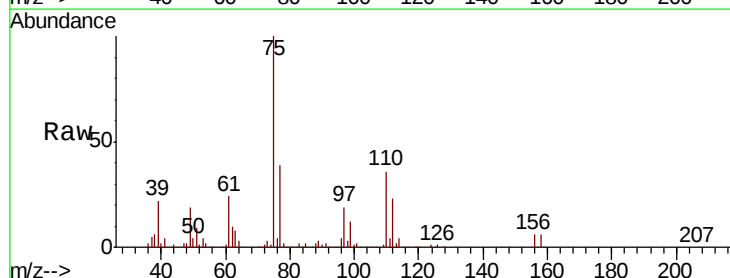
Acq: 21 Dec 2018 13:21

Tgt Ion: 75 Resp: 792006

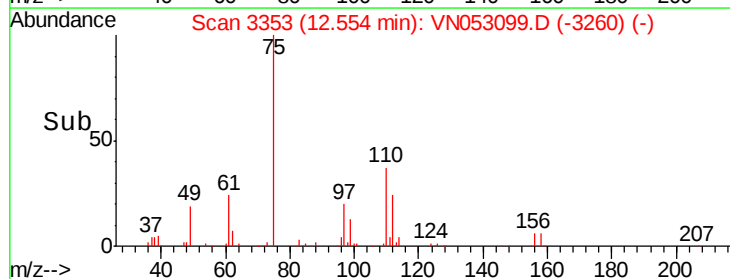
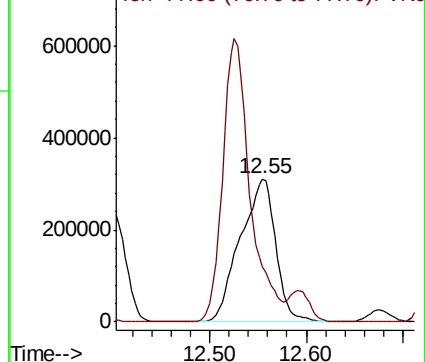
Ion Ratio Lower Upper

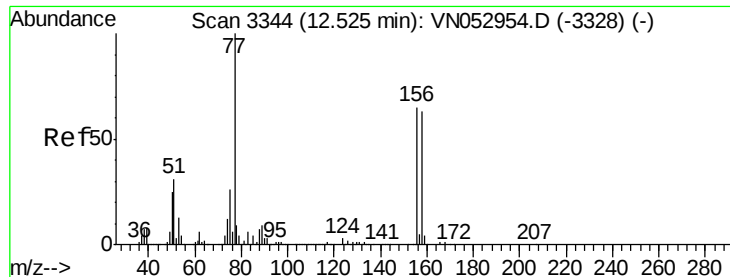
75 100

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: 42.403 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

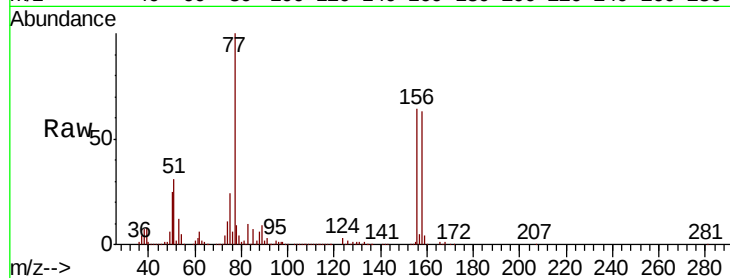
Tot Ion:156 Resp: 665565

Ion Ratio Lower Upper

156 100

77 182.2 91.3 273.8

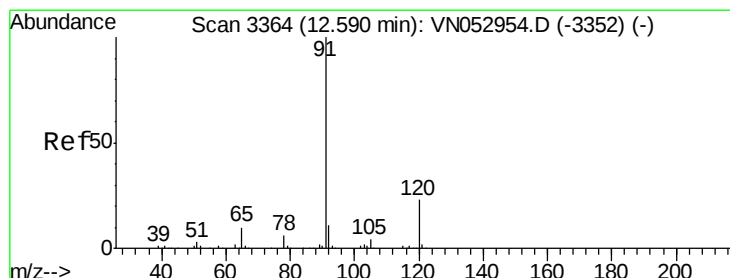
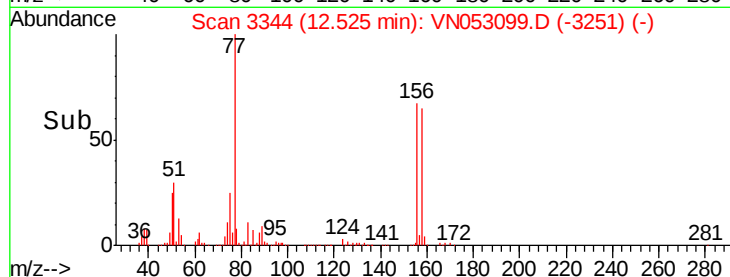
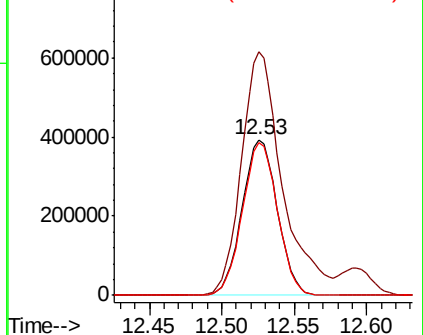
158 97.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 42.596 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053099.D

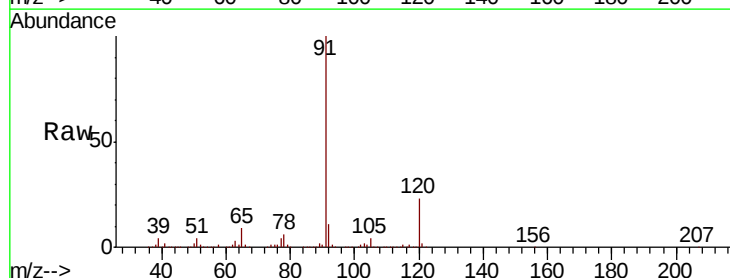
Acq: 21 Dec 2018 13:21

Tgt Ion: 91 Resp: 2929344

Ion Ratio Lower Upper

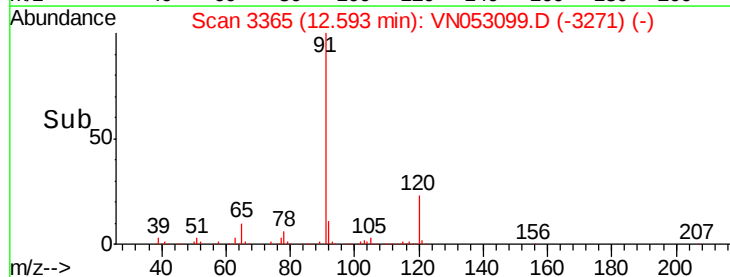
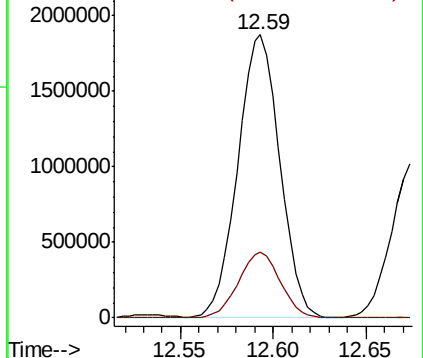
91 100

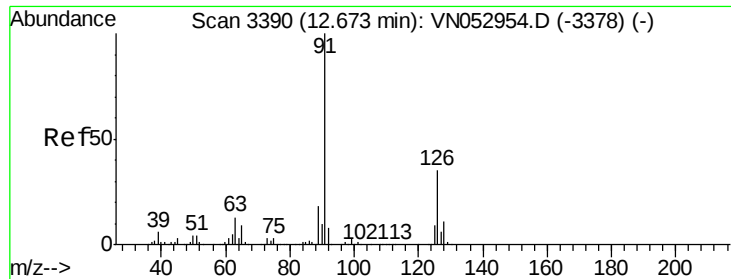
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 40.346 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

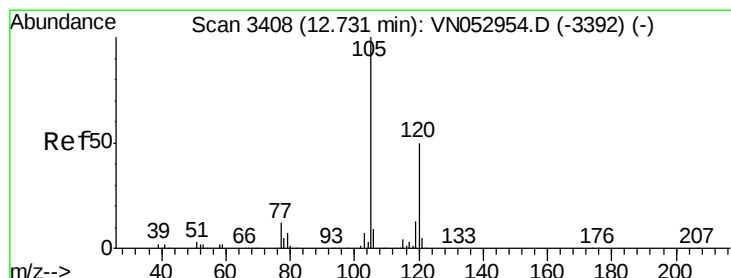
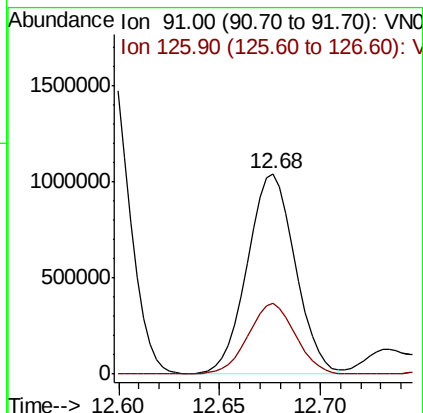
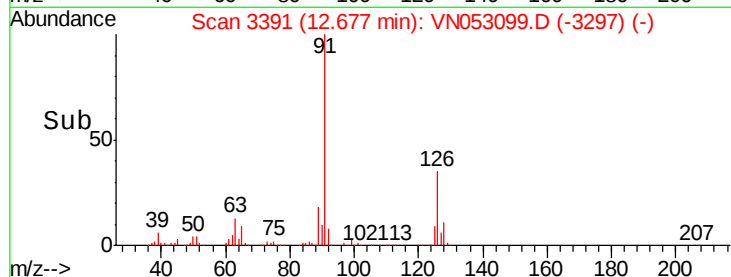
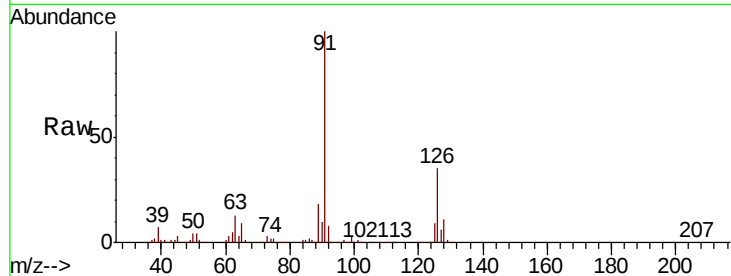
VSTDCCC050

Tot Ion: 91 Resp: 1719830

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 41.979 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053099.D

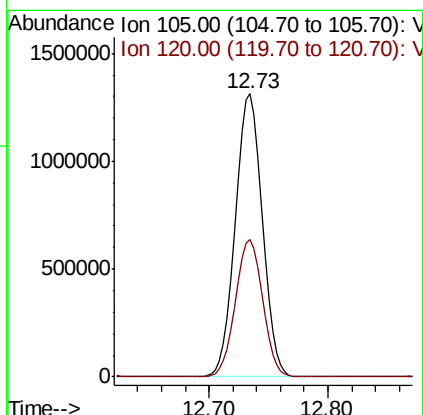
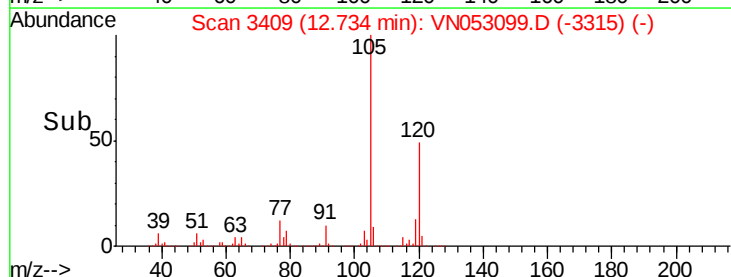
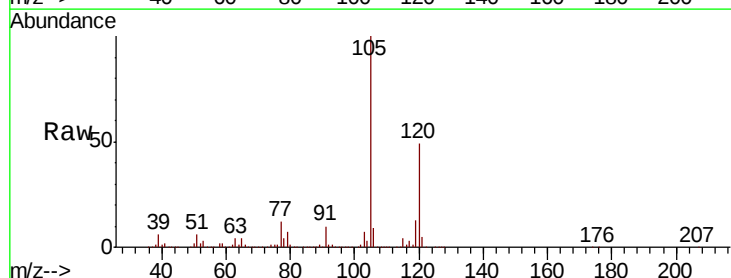
Acq: 21 Dec 2018 13:21

Tgt Ion:105 Resp: 2066075

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.500 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

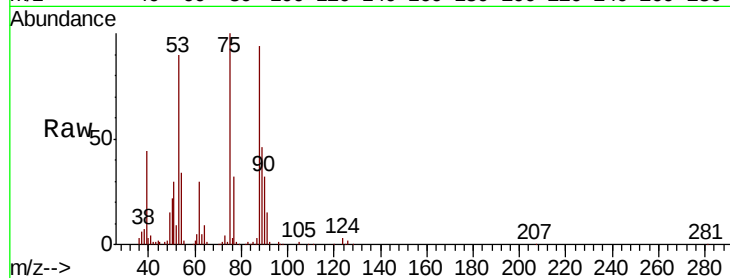
Tot Ion: 75 Resp: 183401

Ion Ratio Lower Upper

75 100

53 90.0 74.7 112.1

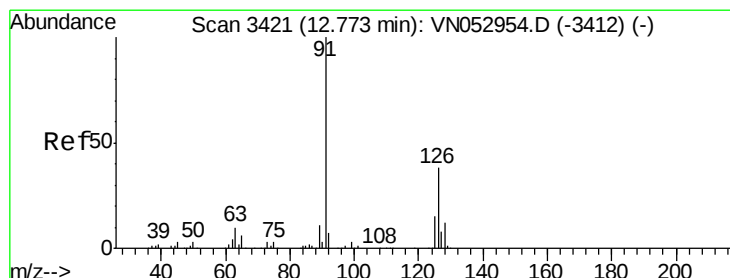
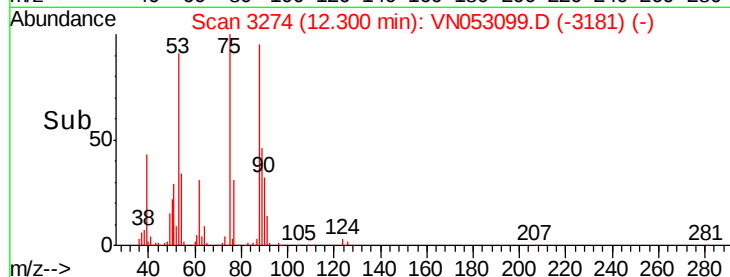
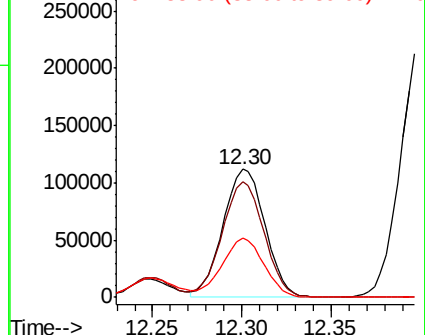
89 46.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 42.701 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053099.D

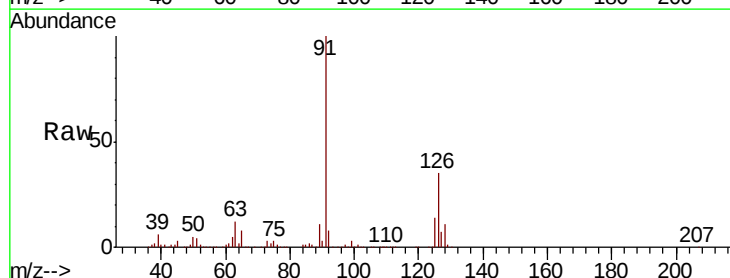
Acq: 21 Dec 2018 13:21

Tgt Ion: 91 Resp: 1781846

Ion Ratio Lower Upper

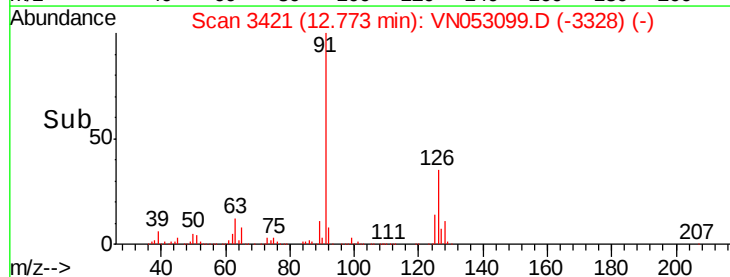
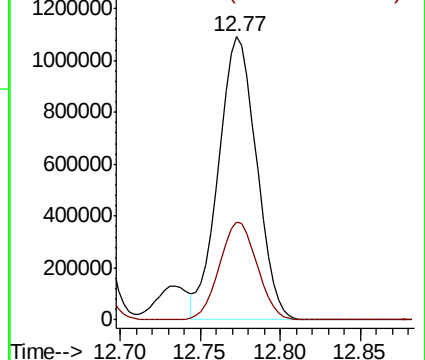
91 100

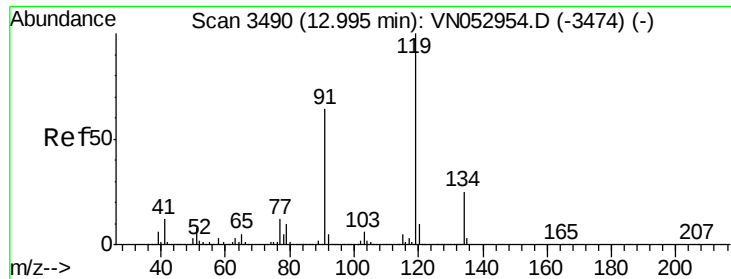
126 34.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

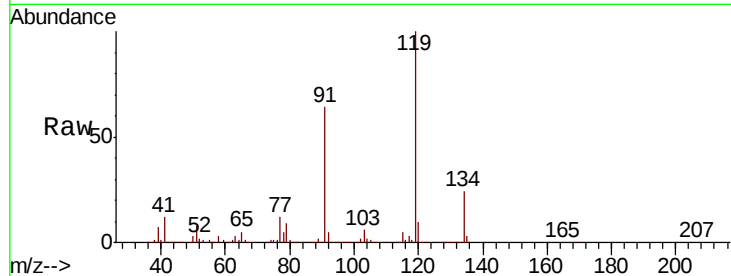




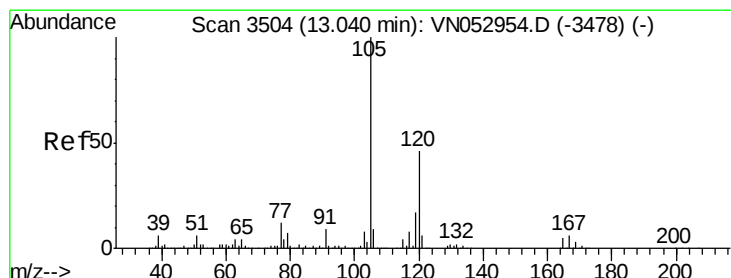
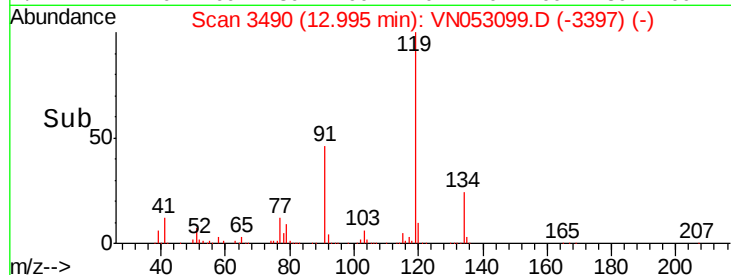
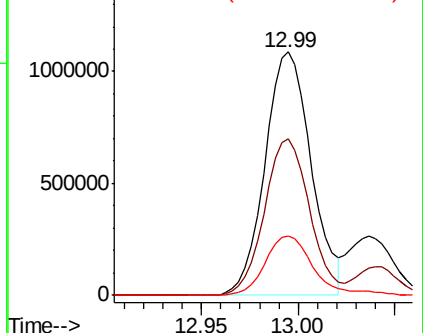
#83
tert-Butylbenzene
Concen: 41.444 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1803955
Ion Ratio Lower Upper
119 100
91 63.2 31.9 95.5
134 25.6 12.8 38.4

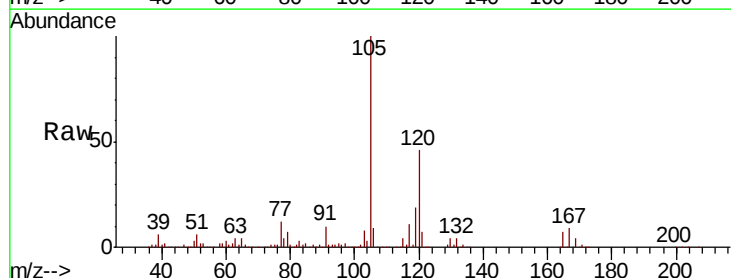


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

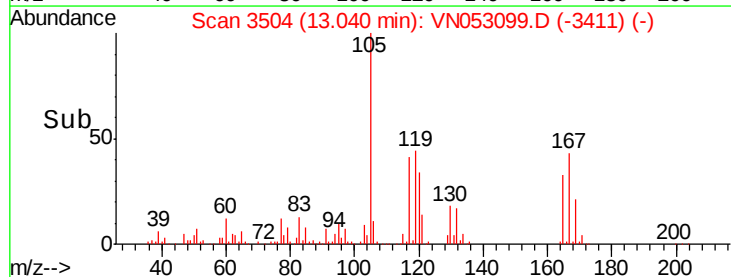
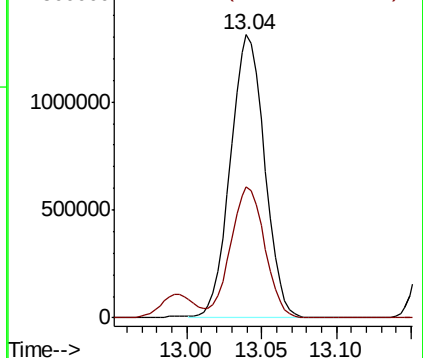


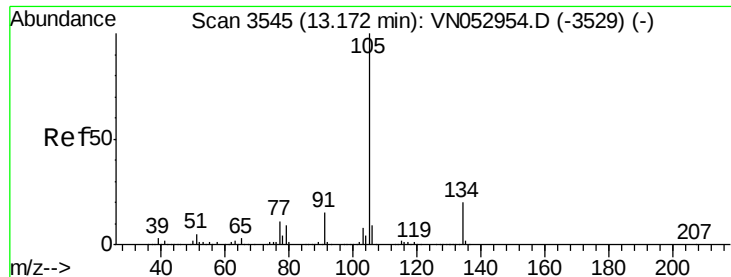
#84
1,2,4-Trimethylbenzene
Concen: 42.147 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:105 Resp: 2085322
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.8



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

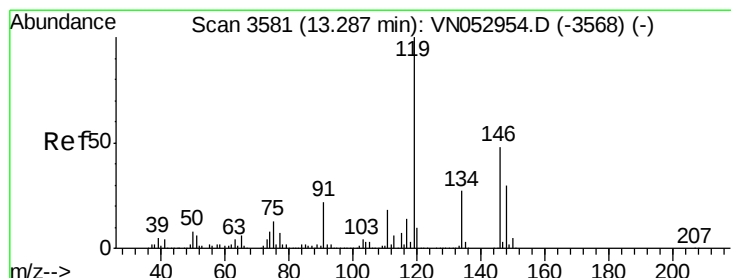
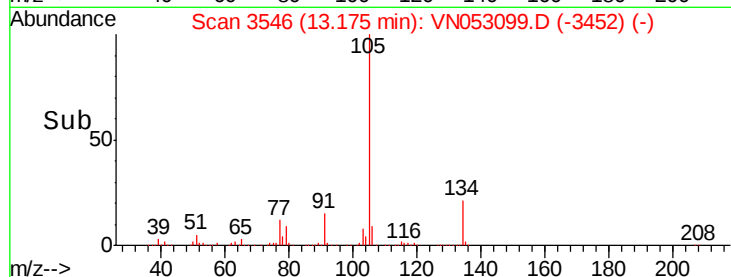
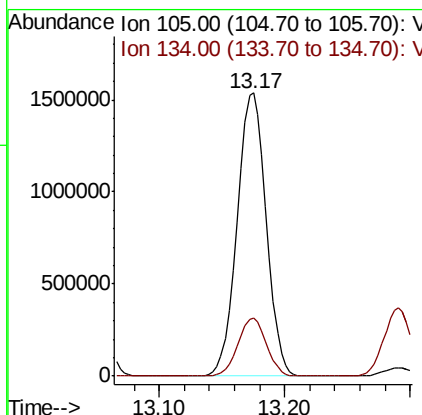
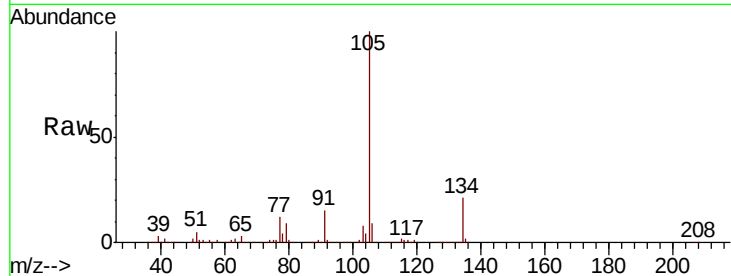




#85
 sec-Butylbenzene
 Concen: 41.844 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

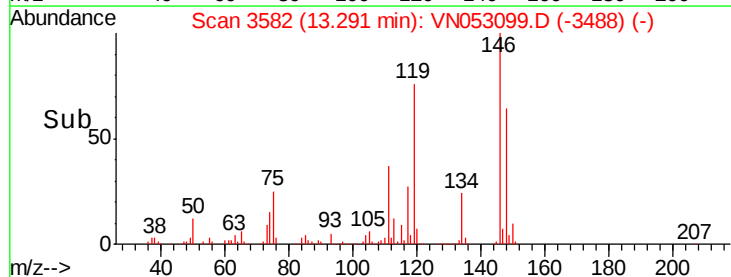
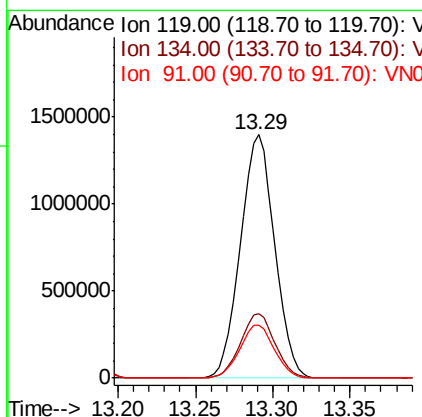
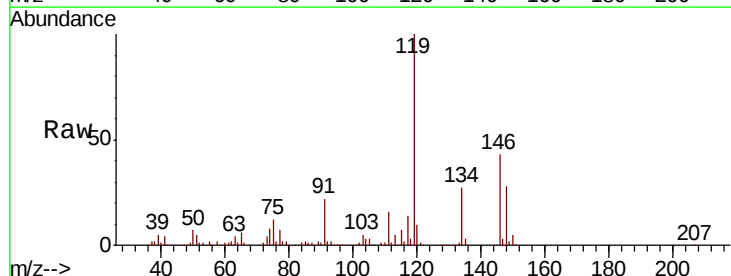
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

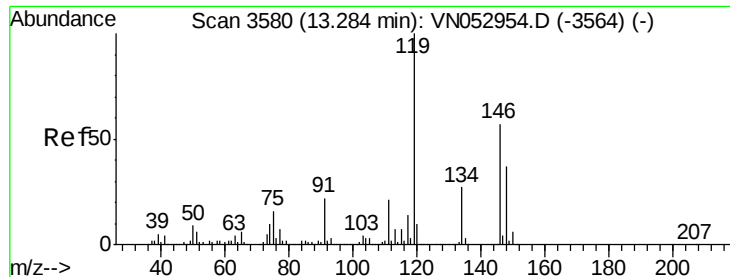
Tot Ion:105 Resp: 2463621
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 42.225 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:119 Resp: 2148116
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 21.9 11.1 33.3

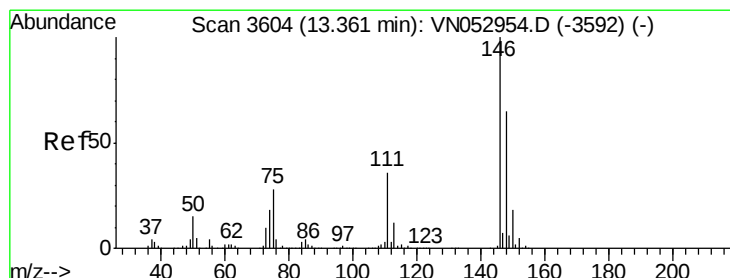
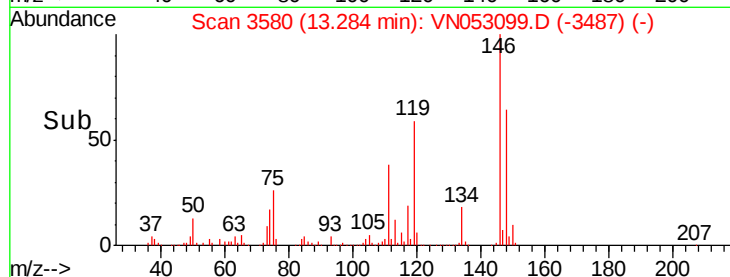
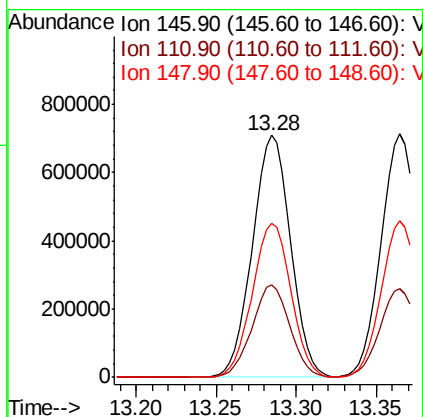
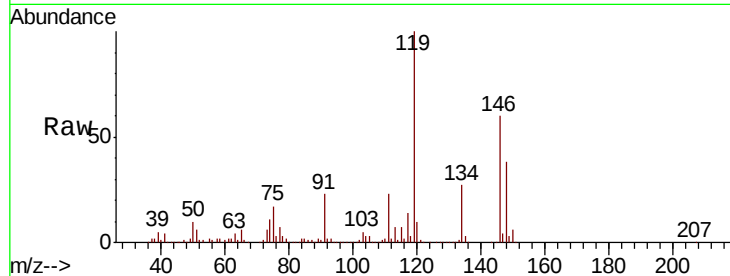




#87
 1,3-Dichlorobenzene
 Concen: 42.108 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

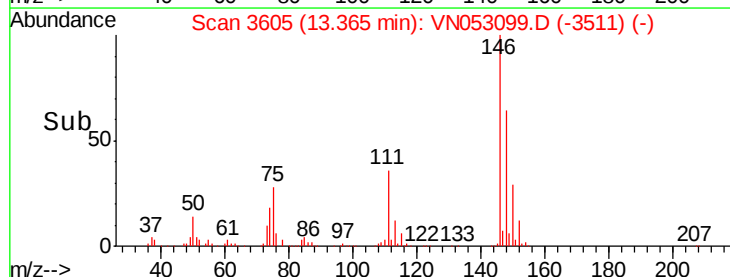
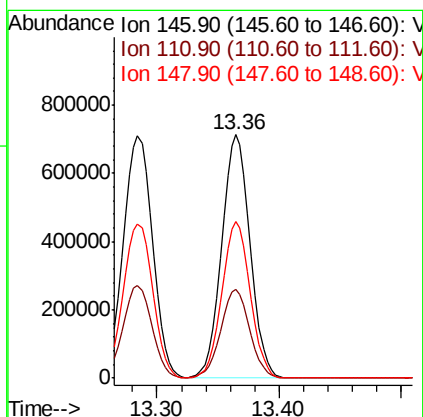
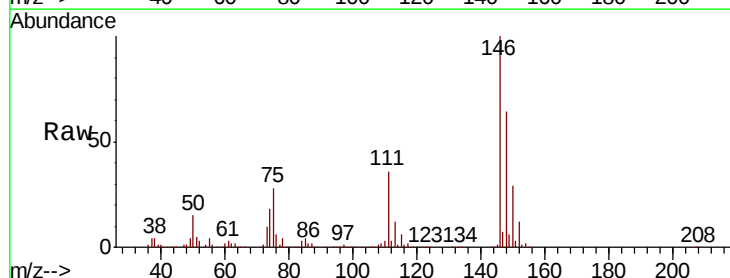
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

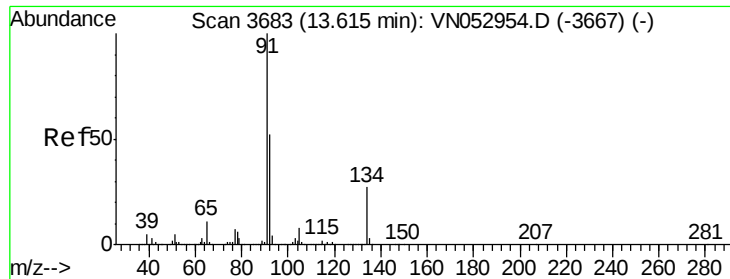
Tot Ion:146 Resp: 1169755
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 41.315 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:146 Resp: 1162285
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 41.273 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

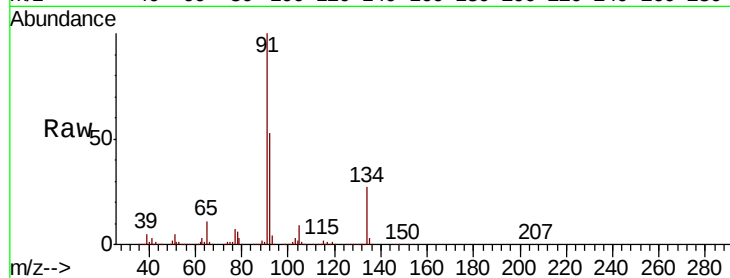
Tot Ion: 91 Resp: 1806406

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	26.8	13.3	39.8

91 100

92 52.7 26.3 78.9

134 26.8 13.3 39.8

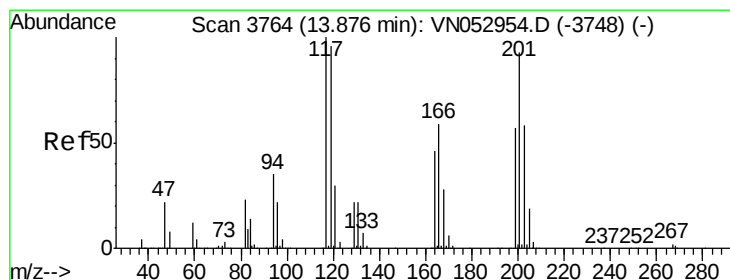
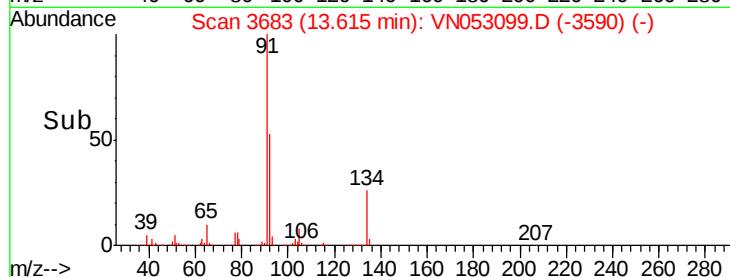
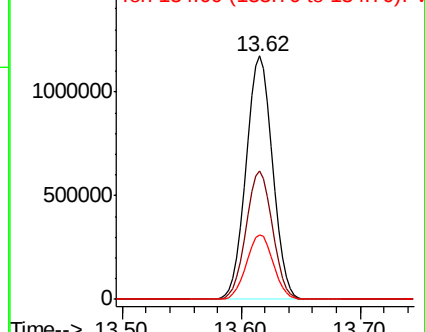


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 42.785 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053099.D

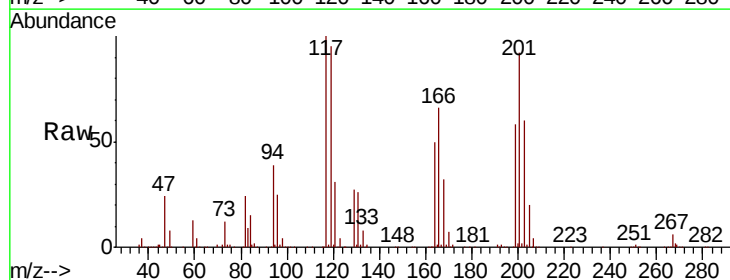
Acq: 21 Dec 2018 13:21

Tgt Ion: 117 Resp: 334025

Ion	Ratio	Lower	Upper
117	100		
201	93.9	45.7	137.1

117 100

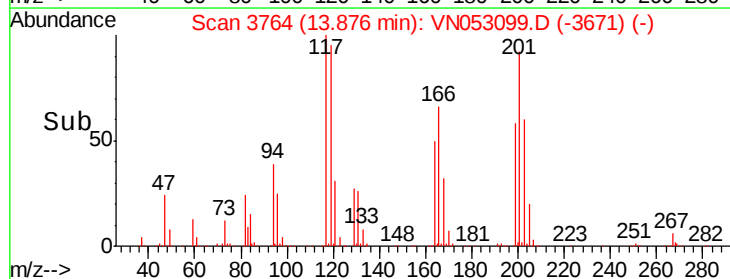
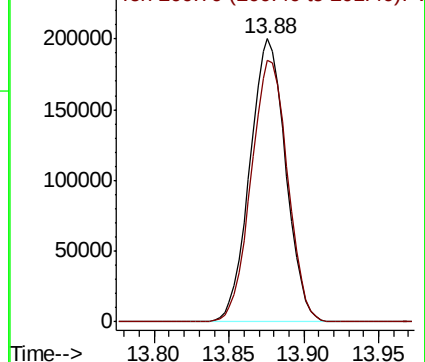
201 93.9 45.7 137.1

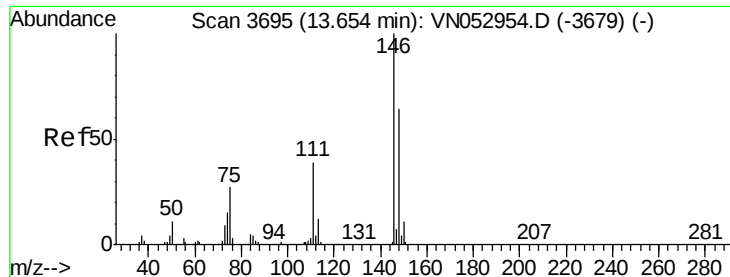


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

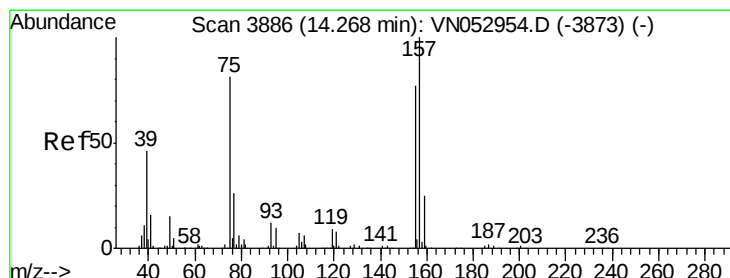
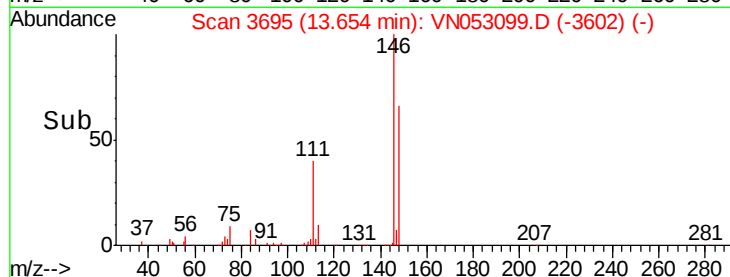
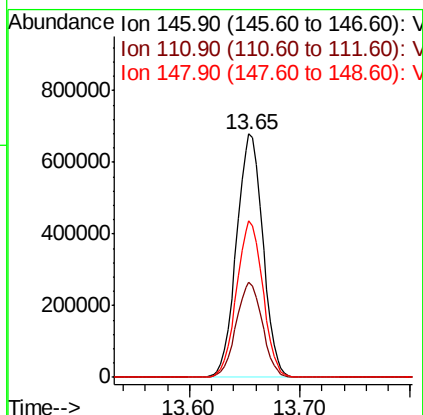
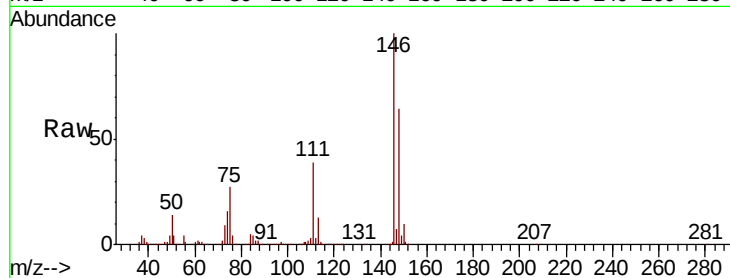




#91
 1,2-Dichlorobenzene
 Concen: 42.910 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

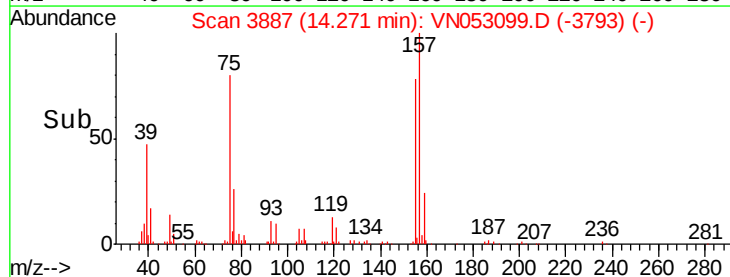
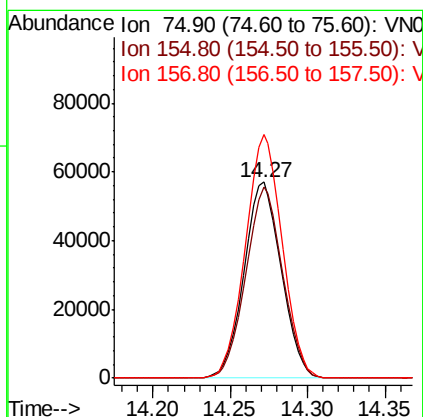
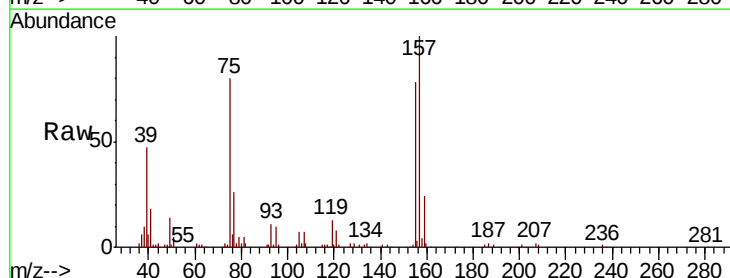
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1121882
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.687 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 75 Resp: 95628
 Ion Ratio Lower Upper
 75 100
 155 96.2 48.2 144.6
 157 122.5 61.2 183.5

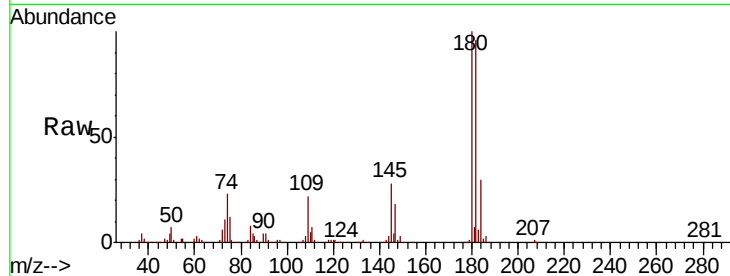




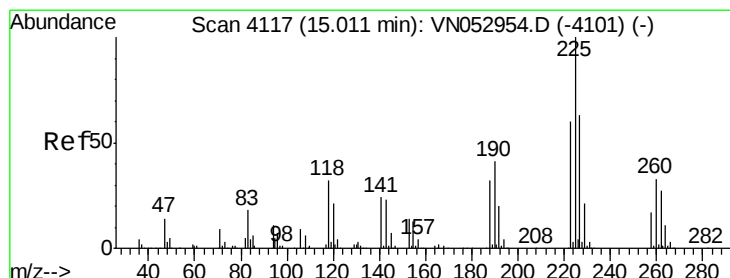
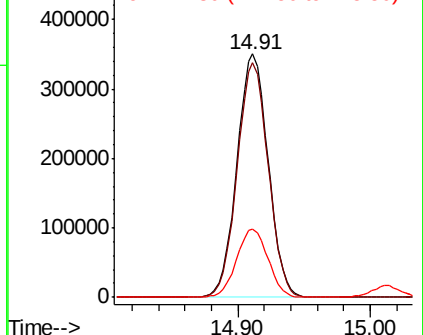
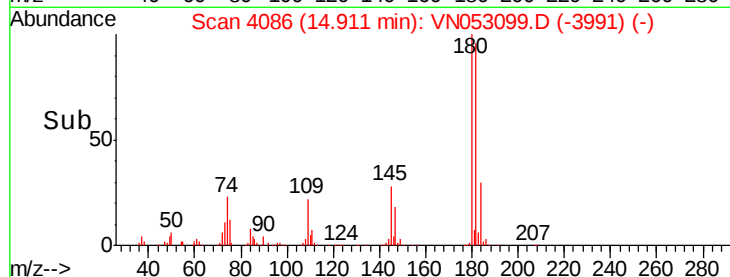
#93
 1,2,4-Trichlorobenzene
 Concen: 41.375 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 571684
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.3
 145 28.4 14.2 42.6

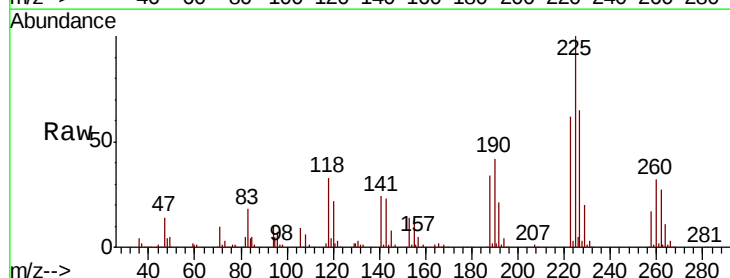


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

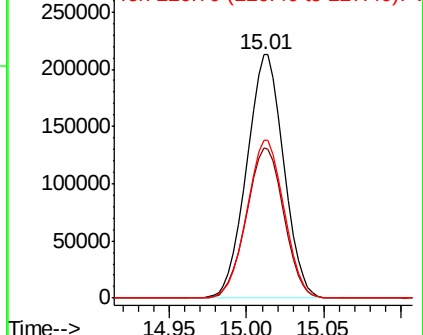
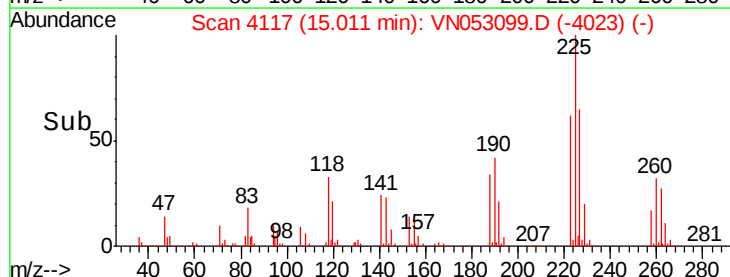


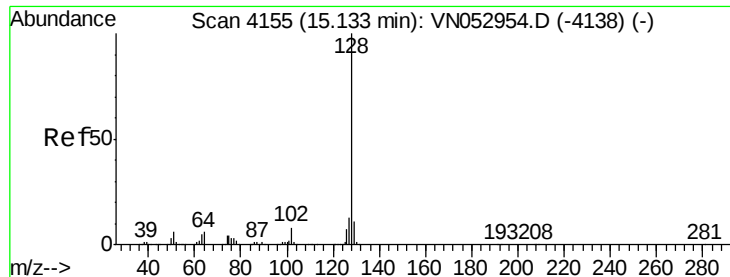
#94
 Hexachlorobutadiene
 Concen: 49.336 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:225 Resp: 354117
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.5 94.5
 227 65.3 31.9 95.7



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

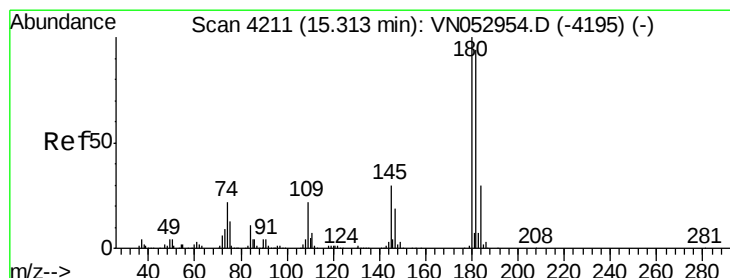
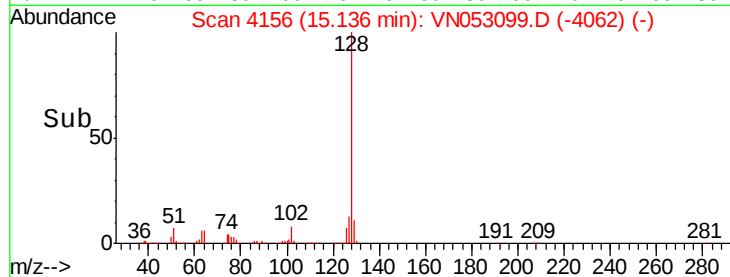
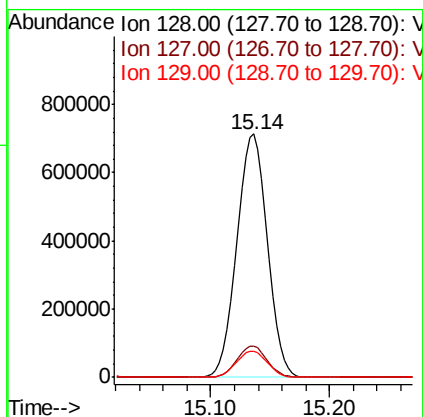
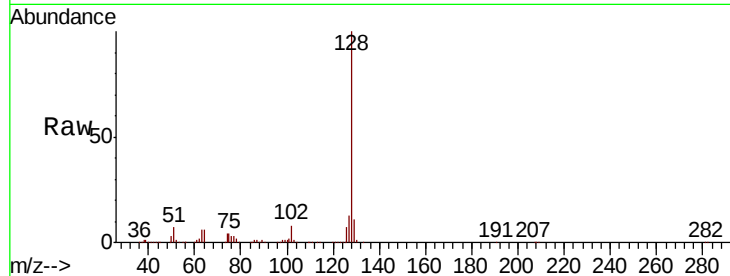




#95
Naphthalene
Concen: 41.955 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1267328
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 41.522 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:180 Resp: 516852
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 30.0 15.0 45.0

