

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054055.D
 Acq On : 2 Mar 2019 2:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 02 04:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	384891	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	334865	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	1234902	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	419637	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271302	46.620	ug/l	99
3) Chloromethane	2.06	50	442379	54.804	ug/l	99
4) Vinyl Chloride	2.19	62	392016	48.470	ug/l	99
5) Bromomethane	2.57	94	211110	39.413	ug/l	99
6) Chloroethane	2.71	64	240679	47.849	ug/l	99
7) Trichlorofluoromethane	3.02	101	486736	47.108	ug/l	99
8) Diethyl Ether	3.41	74	196941	50.875	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	306524	46.972	ug/l	94
10) Methyl Iodide	3.96	142	382546	44.613	ug/l	98
11) Tert butyl alcohol	4.78	59	127330	270.976	ug/l	99
12) 1,1-Dichloroethene	3.74	96	297079	47.593	ug/l	90
13) Acrolein	3.61	56	84481	173.650	ug/l	97
14) Allyl chloride	4.33	41	558032	50.971	ug/l	95
15) Acrylonitrile	4.99	53	673074	271.776	ug/l	99
16) Acetone	3.82	43	467449	237.636	ug/l	95
17) Carbon Disulfide	4.06	76	899755	44.682	ug/l	99
18) Methyl Acetate	4.32	43	304257	58.703	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	890848	53.201	ug/l	99
20) Methylene Chloride	4.55	84	540599	73.690	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	328953	48.691	ug/l	92
22) Diisopropyl ether	5.95	45	1140779	54.012	ug/l	96
23) Vinyl Acetate	5.90	43	4151846	273.255	ug/l	95
24) 1,1-Dichloroethane	5.85	63	652967	50.413	ug/l	98
25) 2-Butanone	6.83	43	771325	265.021	ug/l	94
26) 2,2-Dichloropropane	6.83	77	376162	40.878	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	377393	50.229	ug/l	95
28) Bromochloromethane	7.19	49	316693	53.418	ug/l #	81
29) Tetrahydrofuran	7.21	42	534187	275.617	ug/l	91
30) Chloroform	7.37	83	623818	49.670	ug/l	99
31) Cyclohexane	7.65	56	588755	49.668	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	513182	49.557	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473202	49.230	ug/l	97
37) Ethyl Acetate	6.93	43	352928	51.422	ug/l	96
38) Carbon Tetrachloride	7.77	117	452603	45.274	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	534911	46.171	ug/l	94
40) Benzene	8.04	78	1440305	48.776	ug/l	100
41) Methacrylonitrile	7.18	41	180932	40.940	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	455081	49.779	ug/l	97
43) Isopropyl Acetate	8.16	43	612044	52.816	ug/l #	91
44) Trichloroethene	8.84	130	365855	46.734	ug/l	96
45) 1,2-Dichloropropane	9.12	63	397787	49.931	ug/l	99
46) Dibromomethane	9.21	93	230215	49.775	ug/l	91
47) Bromodichloromethane	9.40	83	486437	49.906	ug/l	97
48) Methyl methacrylate	9.20	41	294516	55.253	ug/l	93
49) 1,4-Dioxane	9.20	88	77357	1071.502	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	1689097	283.650	ug/l	95
52) Toluene	10.16	92	859987	49.460	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	478974	50.504	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	552840	49.448	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	322047	49.595	ug/l	97
56) Ethyl methacrylate	10.43	69	423023	49.696	ug/l	89
57) 1,3-Dichloropropane	10.71	76	556087	50.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	969395	244.843	ug/l	95
59) 2-Hexanone	10.75	43	1083337	279.720	ug/l	93
60) Dibromochloromethane	10.90	129	354413	49.110	ug/l	100
61) 1,2-Dibromoethane	11.01	107	308012	49.172	ug/l	100
64) Tetrachloroethene	10.63	164	349910	45.524	ug/l	98
65) Chlorobenzene	11.44	112	921199	48.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342288	49.577	ug/l	100
67) Ethyl Benzene	11.51	91	1605368	49.988	ug/l	98
68) m/p-Xylenes	11.62	106	1217959	100.484	ug/l	96
69) o-Xylene	11.95	106	589782	49.521	ug/l	96
70) Styrene	11.96	104	968146	52.850	ug/l	99
71) Bromoform	12.13	173	238767	49.710	ug/l #	100
73) Isopropylbenzene	12.25	105	1540566	47.479	ug/l	99
74) N-amyl acetate	12.07	43	484139	56.929	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	400583	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	483199	72.263	ug/l #	100
77) Bromobenzene	12.53	156	394114	47.840	ug/l	89
78) n-propylbenzene	12.59	91	1811205	49.083	ug/l	98
79) 2-Chlorotoluene	12.68	91	1072322	48.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1297158	48.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100678	47.588	ug/l	91
82) 4-Chlorotoluene	12.77	91	1079522	49.274	ug/l	97
83) tert-Butylbenzene	12.99	119	1133509	48.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1331791	50.219	ug/l	98
85) sec-Butylbenzene	13.17	105	1546984	48.210	ug/l	98
86) p-Isopropyltoluene	13.29	119	1317759	48.578	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	685903	48.130	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	671627	48.577	ug/l	99
89) n-Butylbenzene	13.62	91	1127829	49.333	ug/l	99
90) Hexachloroethane	13.88	117	238123	45.299	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	673698	48.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60457	52.725	ug/l	86

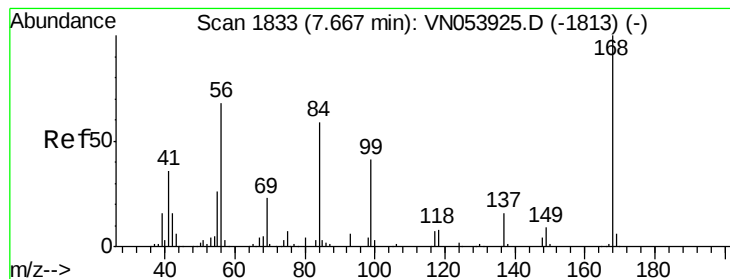
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	341633	44.831	ug/l	97
94) Hexachlorobutadiene	15.01	225	215282	43.201	ug/l	99
95) Naphthalene	15.13	128	734034	44.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333134	45.476	ug/l	99

(#) = 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: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

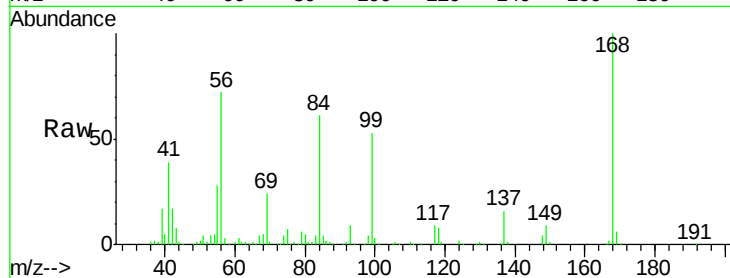
VSTDCCC050EC

Tot Ion:168 Resp: 632327

Ion Ratio Lower Upper

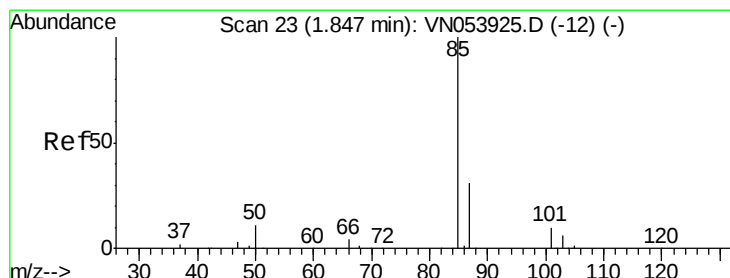
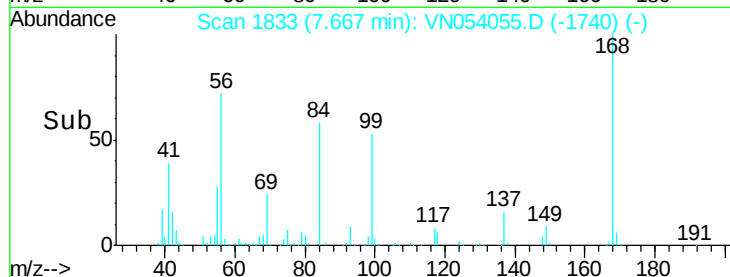
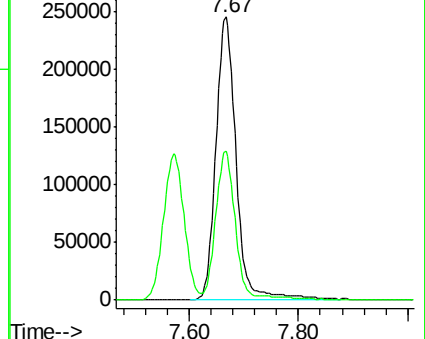
168 100

99 52.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.620 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054055.D

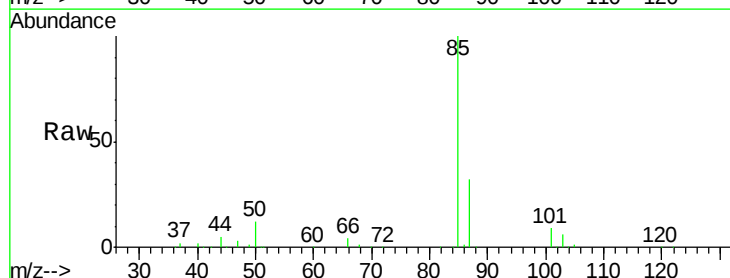
Acq: 2 Mar 2019 2:50

Tgt Ion: 85 Resp: 271302

Ion Ratio Lower Upper

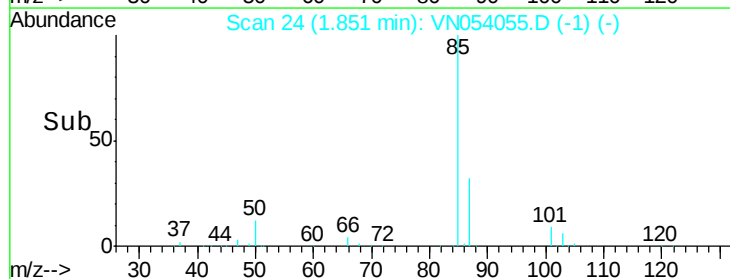
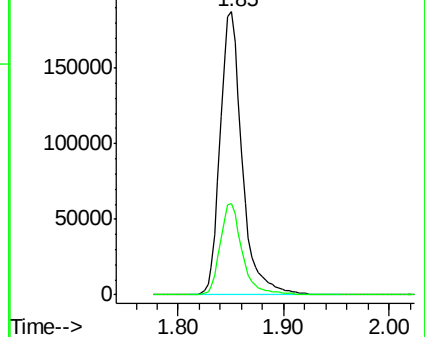
85 100

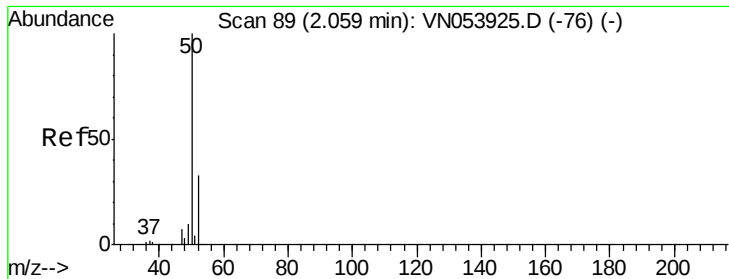
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.804 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

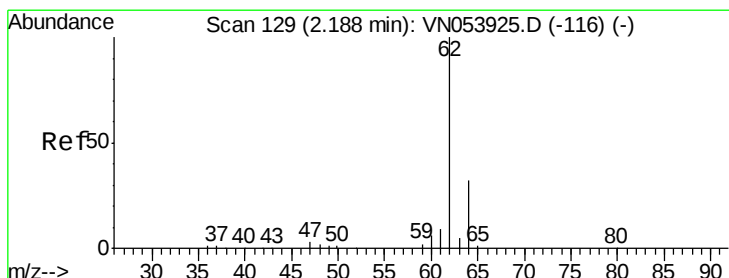
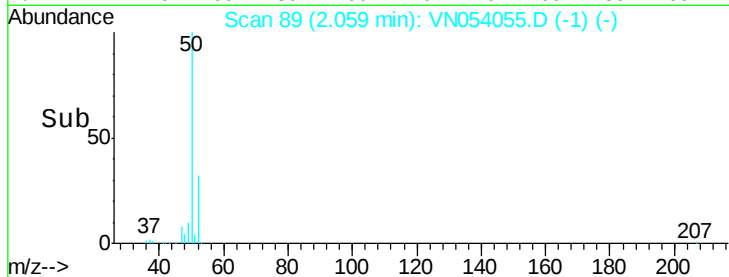
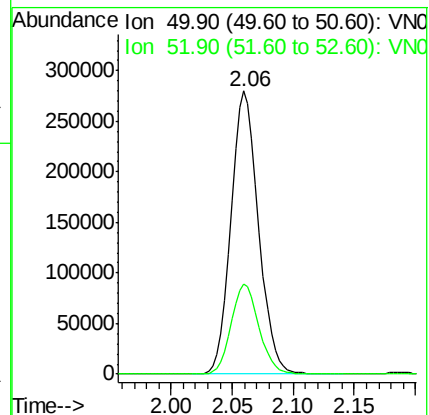
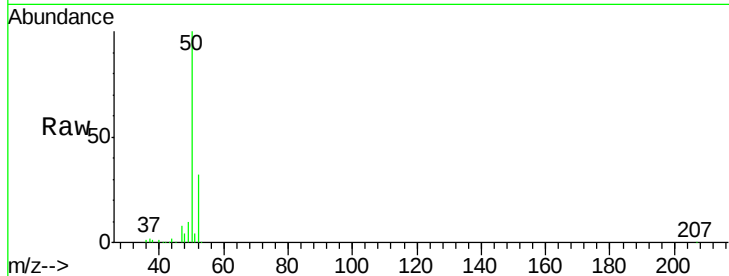
VSTDCCC050EC

Tot Ion: 50 Resp: 442379

Ion Ratio Lower Upper

50 100

52 31.9 26.0 39.0



#4

Vinyl Chloride

Concen: 48.470 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054055.D

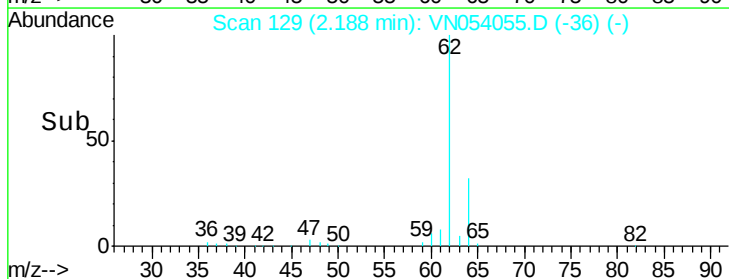
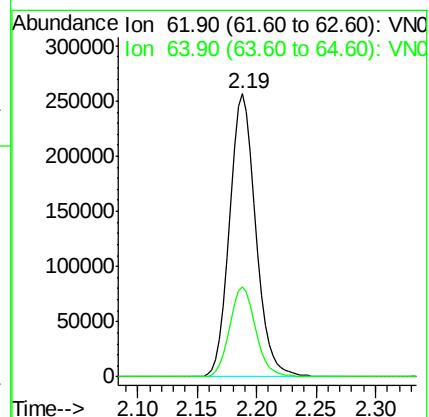
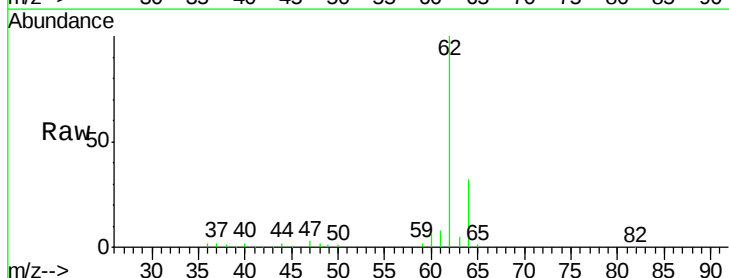
Acq: 2 Mar 2019 2:50

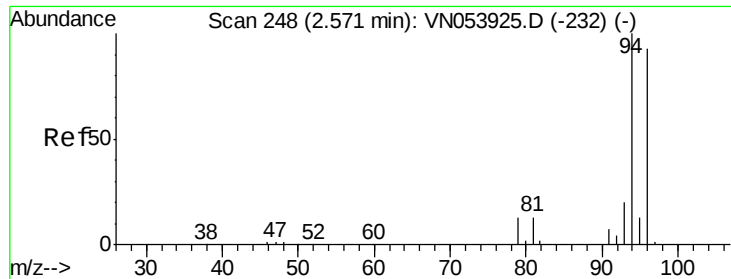
Tgt Ion: 62 Resp: 392016

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7

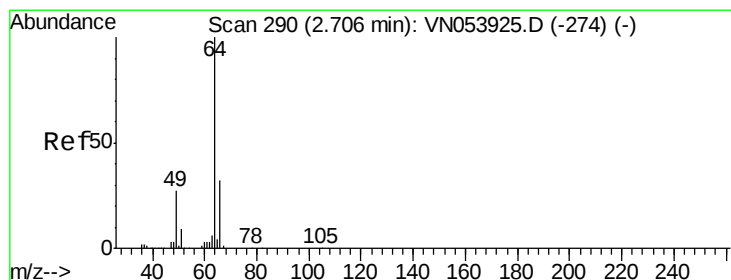
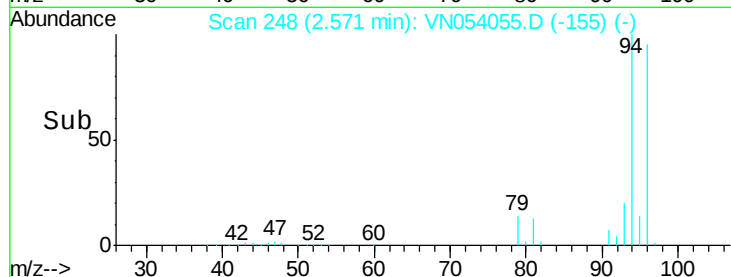
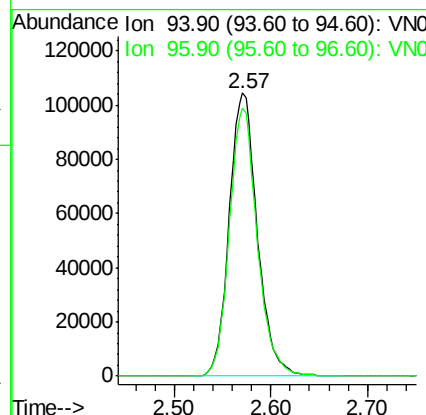
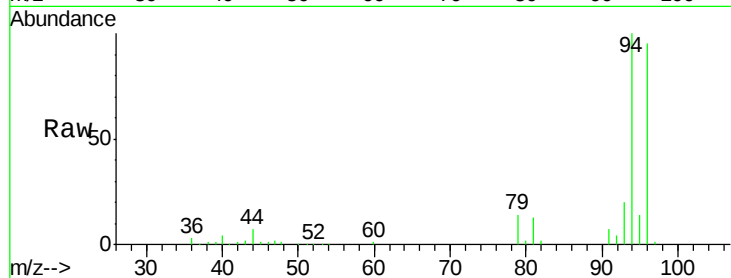




#5
Bromomethane
Concen: 39.413 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

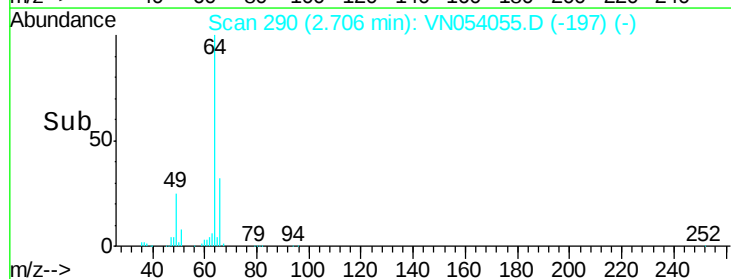
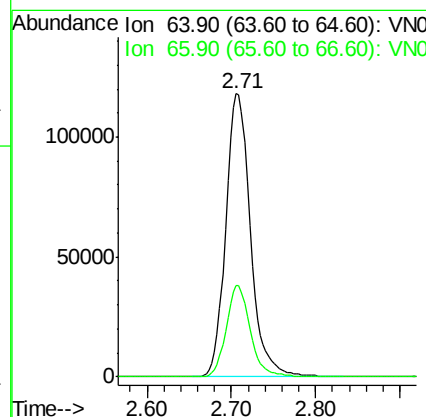
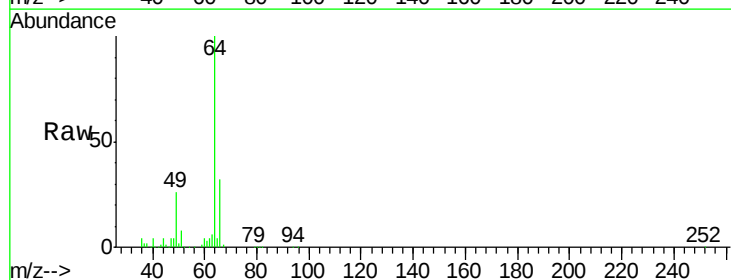
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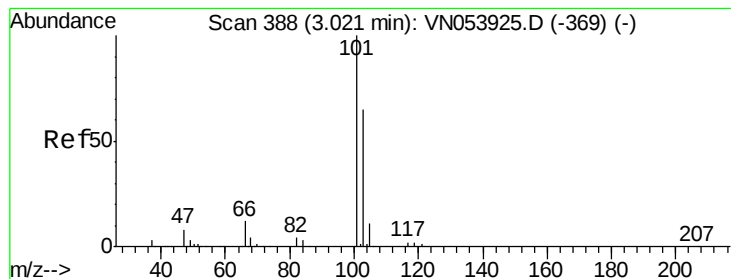
Tot Ion: 94 Resp: 211110
Ion Ratio Lower Upper
94 100
96 94.8 74.9 112.3



#6
Chloroethane
Concen: 47.849 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 64 Resp: 240679
Ion Ratio Lower Upper
64 100
66 32.4 25.5 38.3



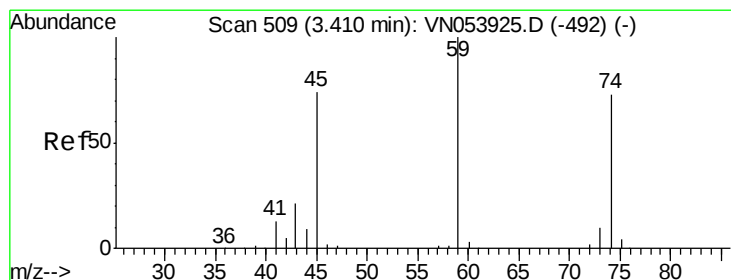
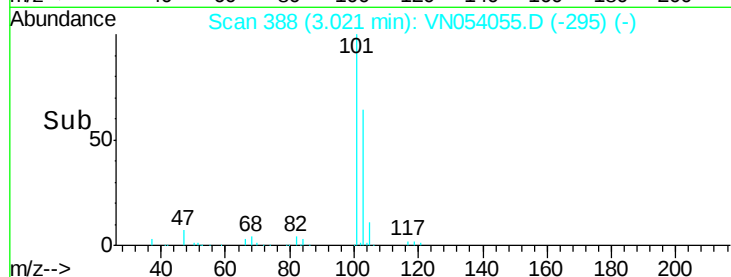
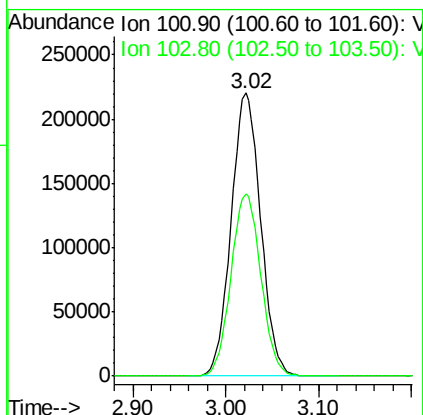
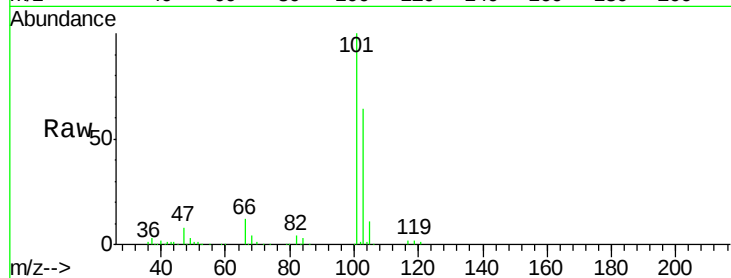


#7

Trichlorofluoromethane
 Concen: 47.108 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

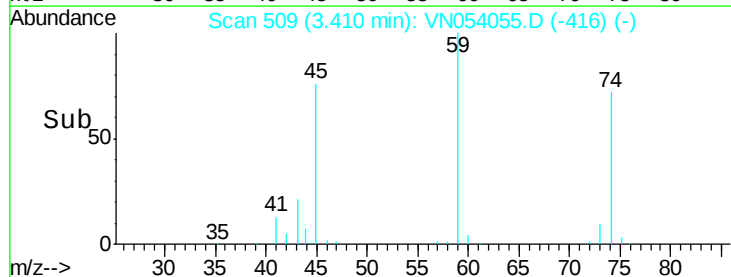
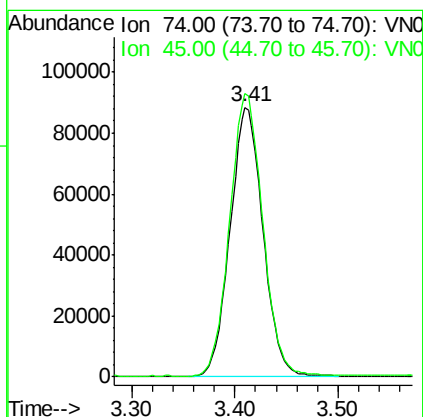
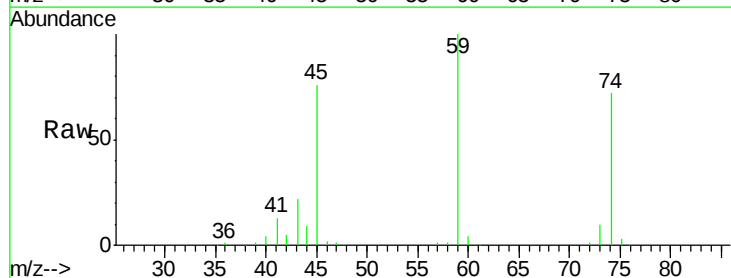
Tot Ion:101 Resp: 486736
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.9 77.9

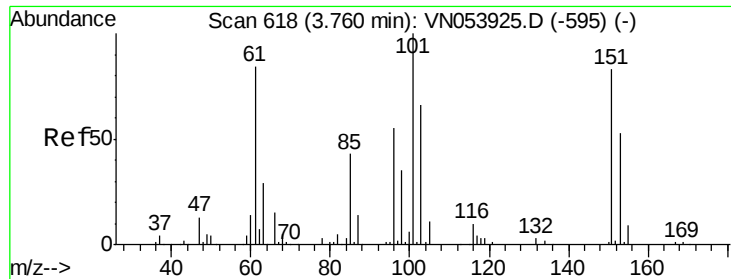


#8

Diethyl Ether
 Concen: 50.875 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion: 74 Resp: 196941
 Ion Ratio Lower Upper
 74 100
 45 104.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.972 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

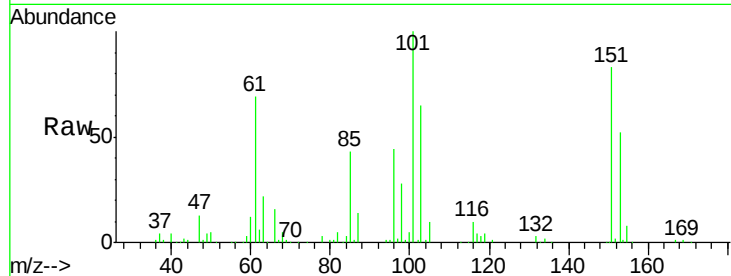
Tot Ion:101 Resp: 306524

Ion Ratio Lower Upper

101 100

85 42.8 32.5 48.7

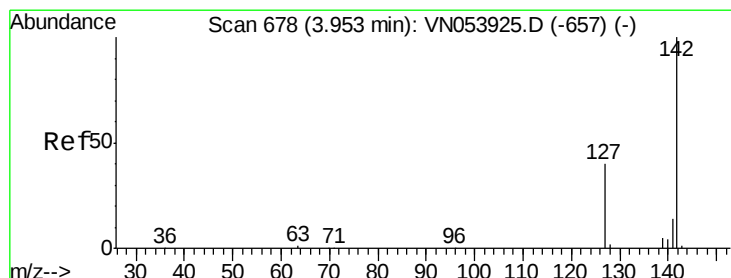
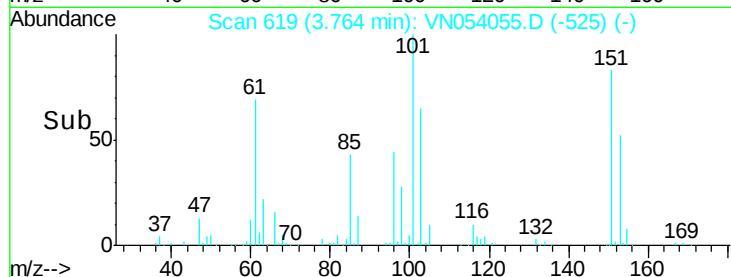
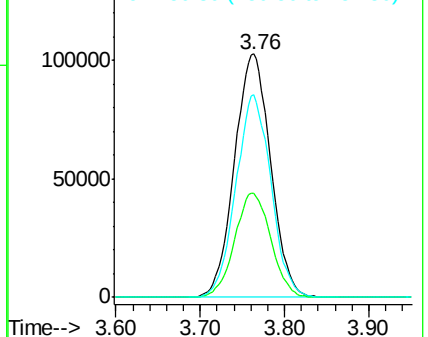
151 81.0 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.613 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

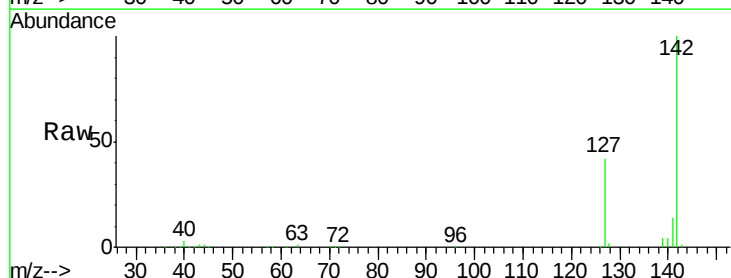
Tgt Ion:142 Resp: 382546

Ion Ratio Lower Upper

142 100

127 40.4 31.0 46.4

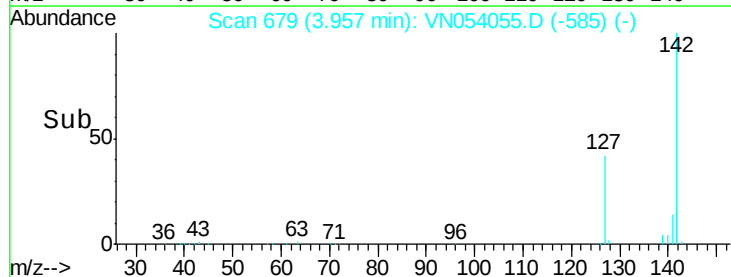
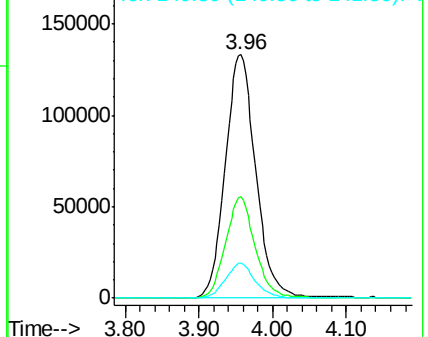
141 13.8 11.3 16.9

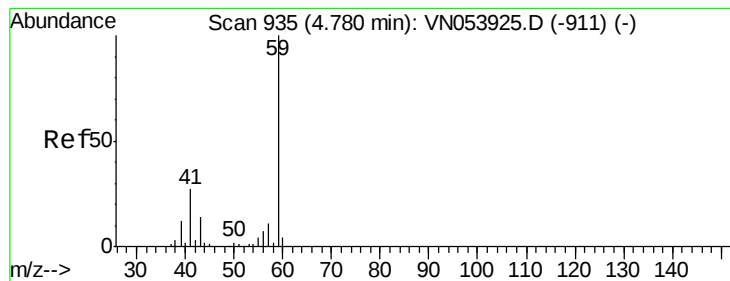


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



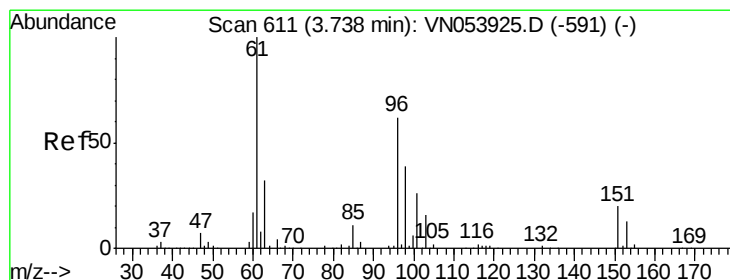
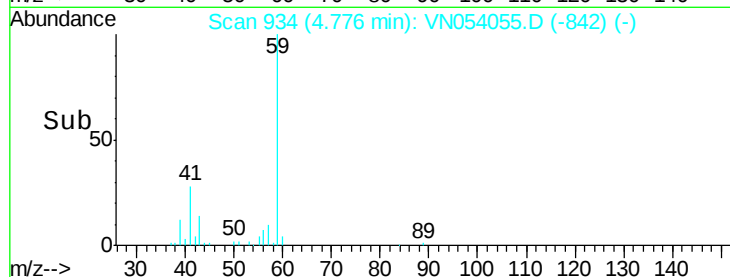
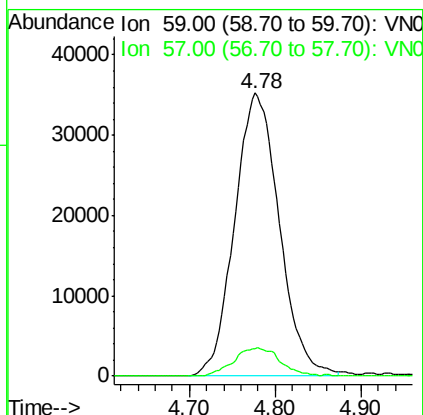
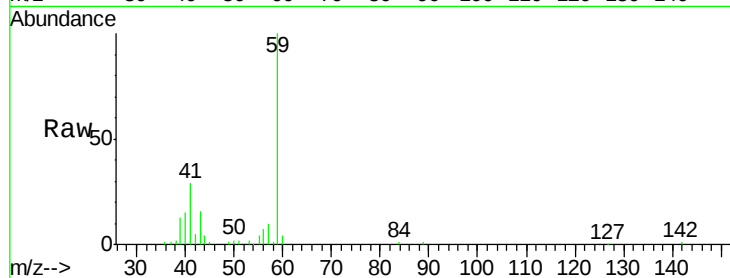


#11

Tert butyl alcohol
 Concen: 270.976 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

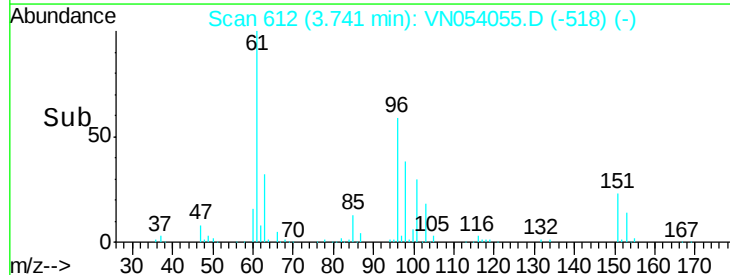
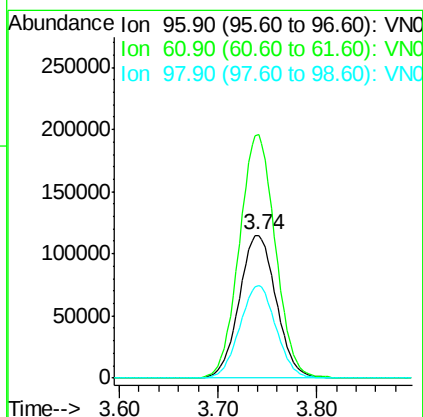
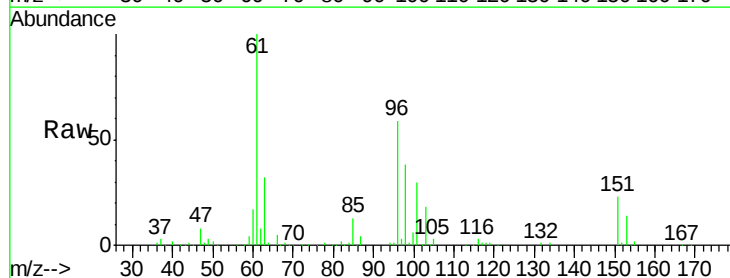
Tot Ion: 59 Resp: 127330
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

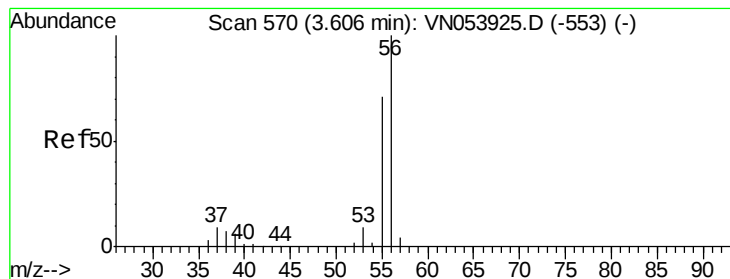


#12

1,1-Dichloroethene
 Concen: 47.593 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion: 96 Resp: 297079
 Ion Ratio Lower Upper
 96 100
 61 170.3 121.0 181.4
 98 65.1 52.2 78.2





#13

Acrolein

Concen: 173.650 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

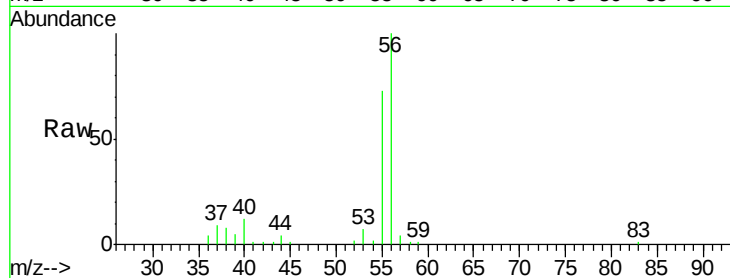
VSTDCCC050EC

Tot Ion: 56 Resp: 84481

Ion Ratio Lower Upper

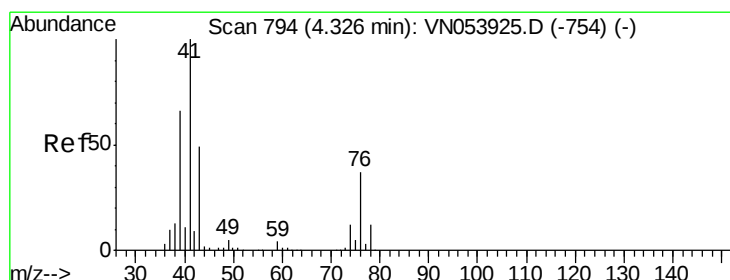
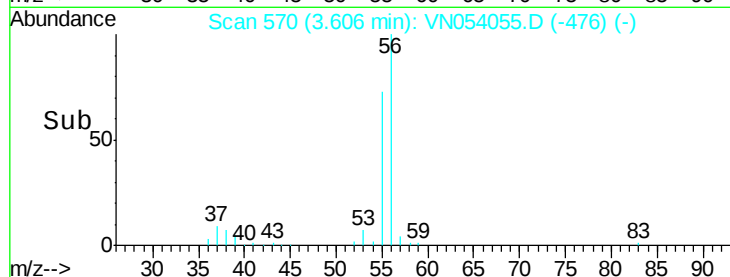
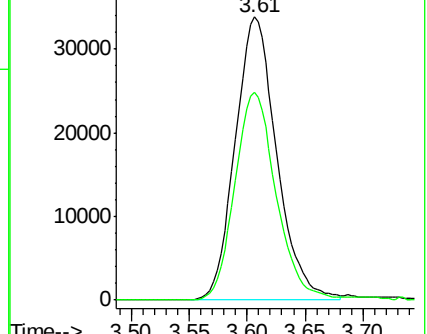
56 100

55 72.6 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.971 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

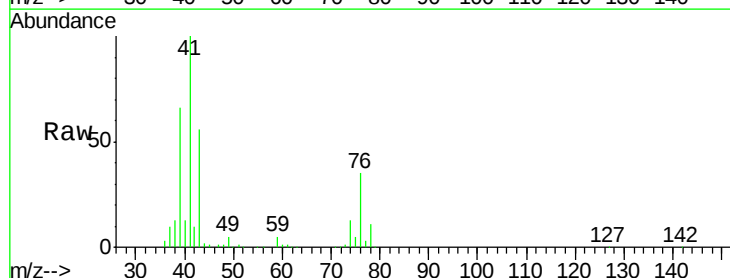
Tgt Ion: 41 Resp: 558032

Ion Ratio Lower Upper

41 100

39 62.9 48.8 73.2

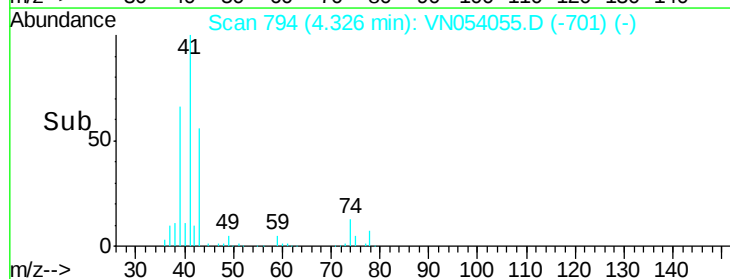
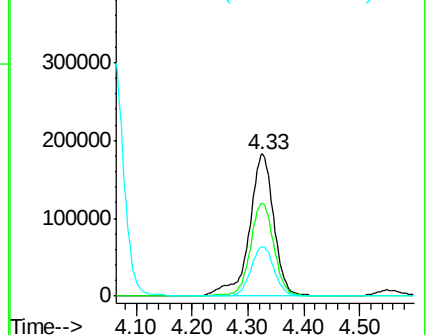
76 32.6 30.9 46.3

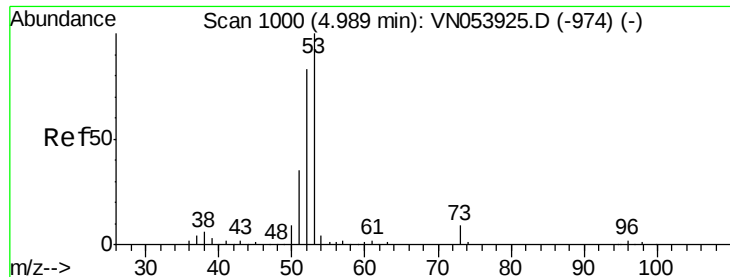


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 271.776 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

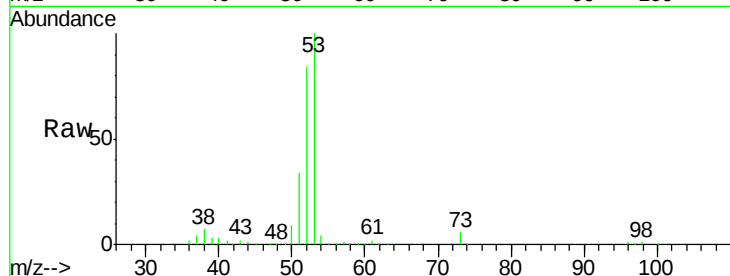
Tot Ion: 53 Resp: 673074

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

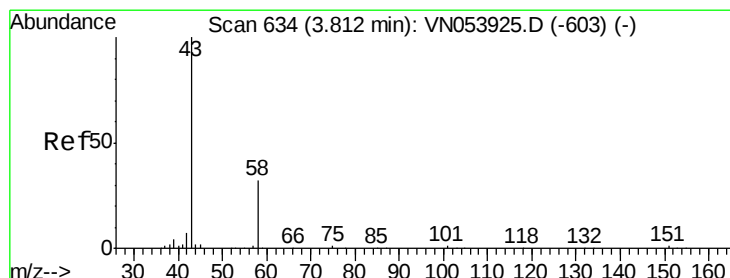
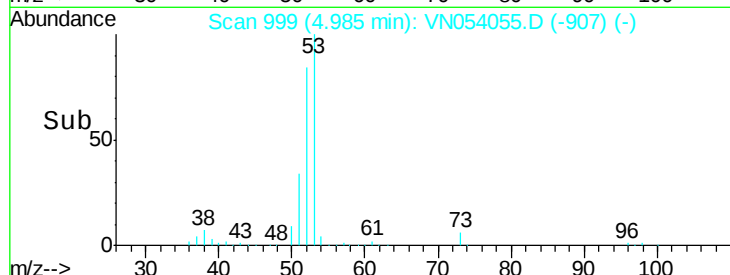
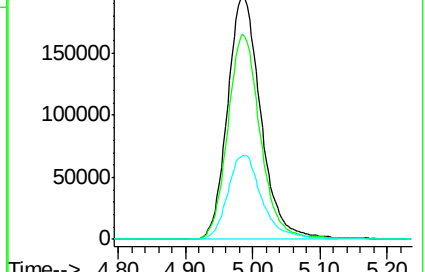
51 35.7 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053925.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053925.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053925.D (-974) (-)



#16

Acetone

Concen: 237.636 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054055.D

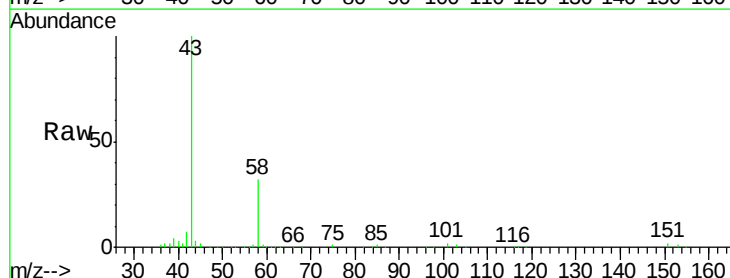
Acq: 2 Mar 2019 2:50

Tgt Ion: 43 Resp: 467449

Ion Ratio Lower Upper

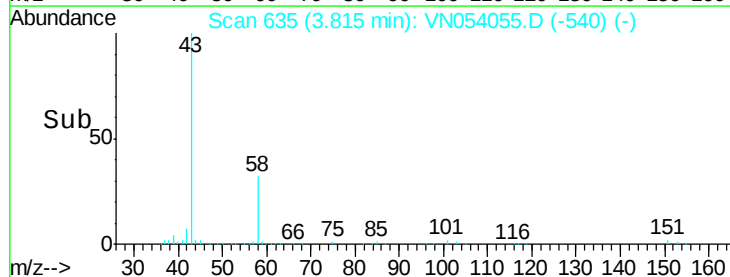
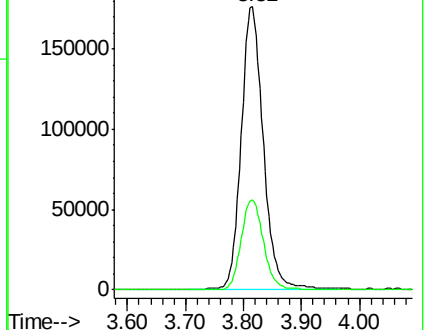
43 100

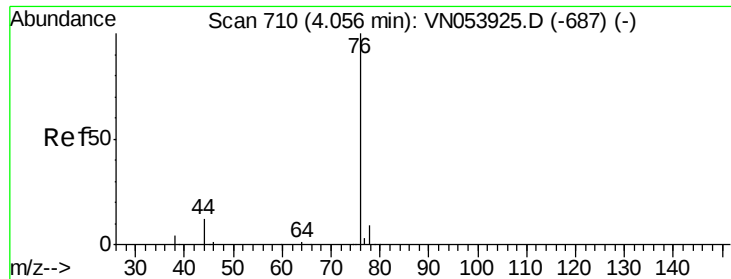
58 31.9 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

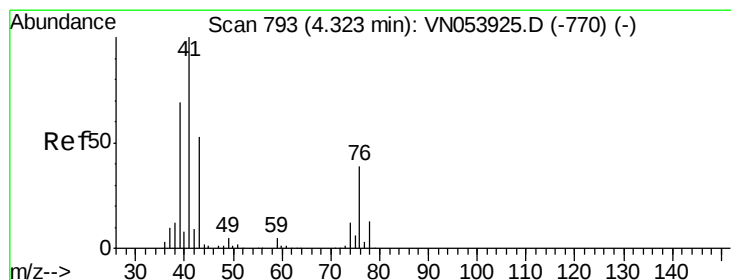
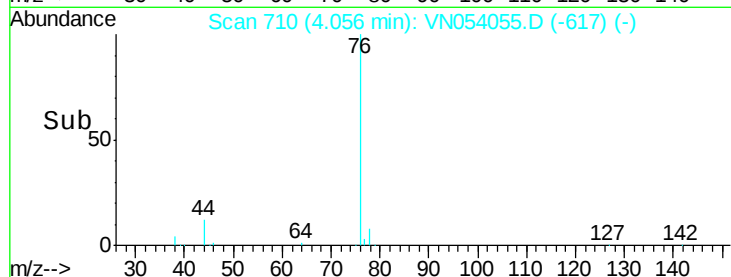
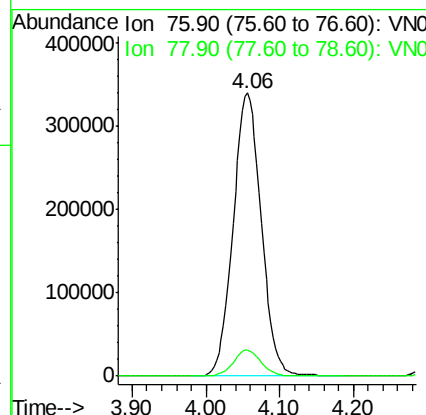
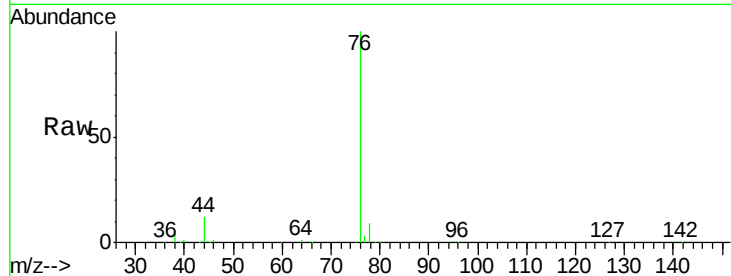




#17
Carbon Disulfide
Concen: 44.682 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

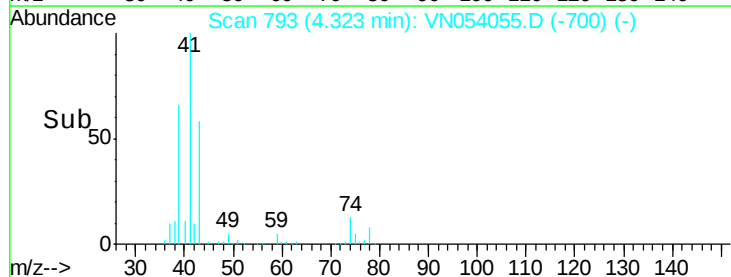
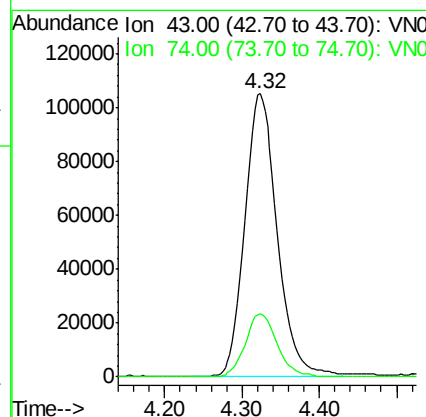
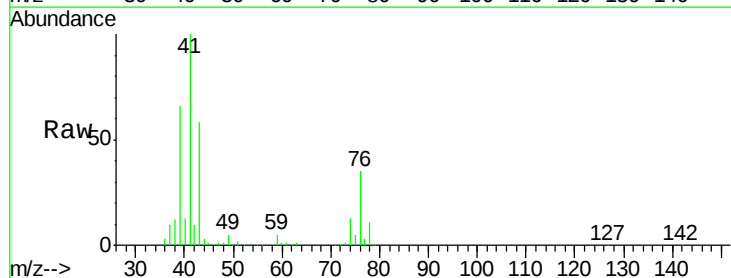
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

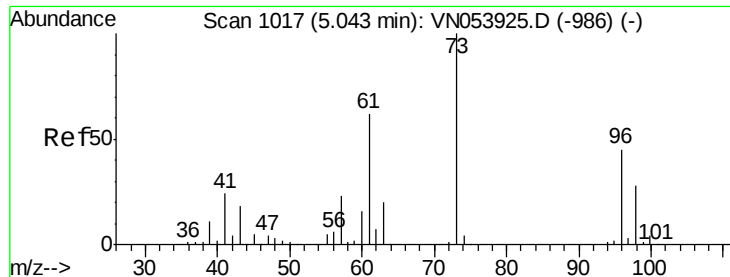
Tot Ion: 76 Resp: 899755
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 58.703 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 43 Resp: 304257
Ion Ratio Lower Upper
43 100
74 22.2 20.5 30.7

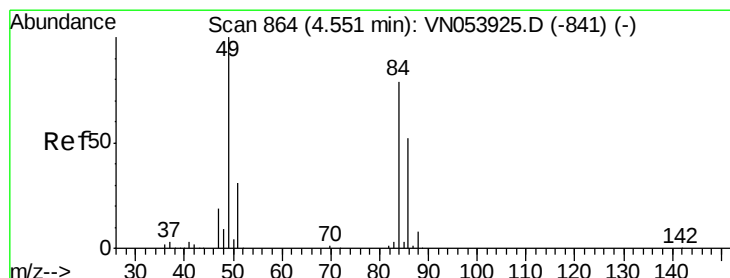
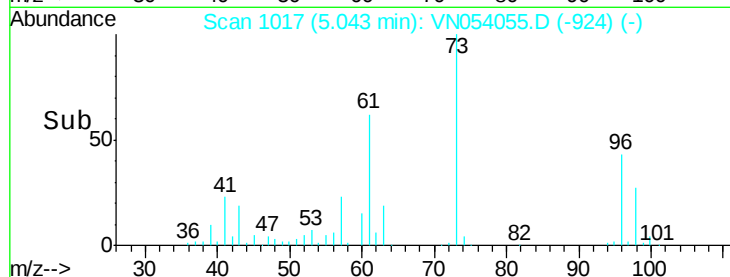
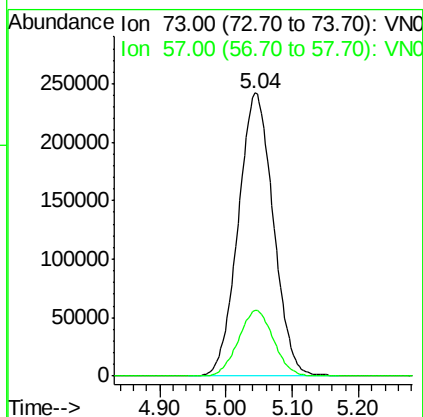
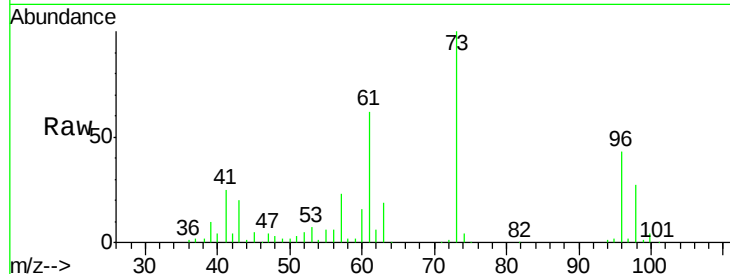




#19
Methyl tert-butyl Ether
Concen: 53.201 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

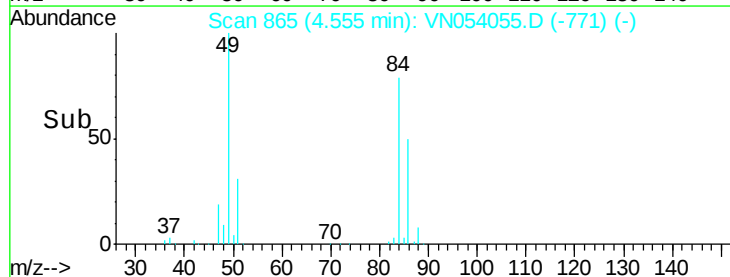
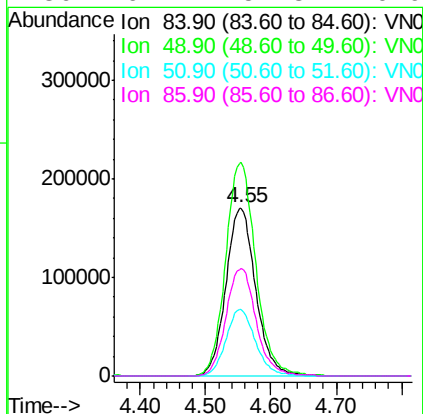
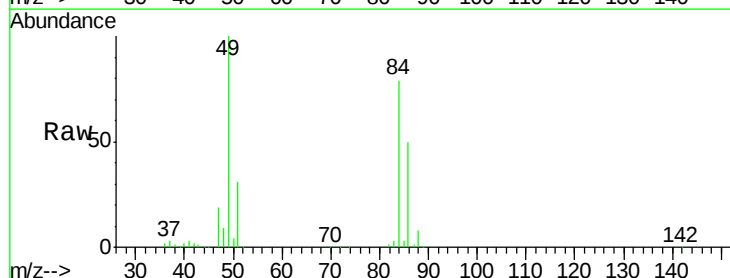
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

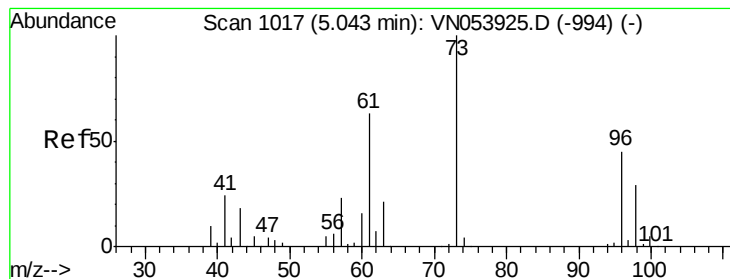
Tot Ion: 73 Resp: 890848
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0



#20
Methylene Chloride
Concen: 73.690 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 84 Resp: 540599
Ion Ratio Lower Upper
84 100
49 127.1 89.7 134.5
51 39.7 27.8 41.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.691 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

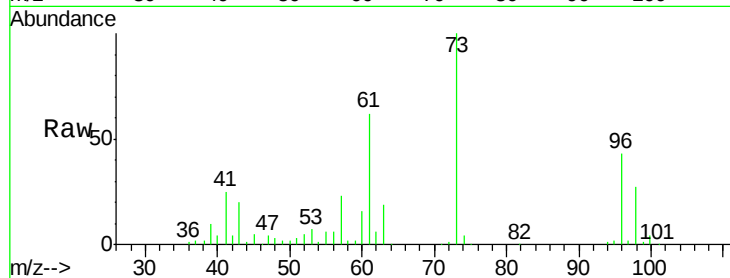
Tot Ion: 96 Resp: 328953

Ion Ratio Lower Upper

96 100

61 143.7 104.5 156.7

98 63.2 50.6 76.0

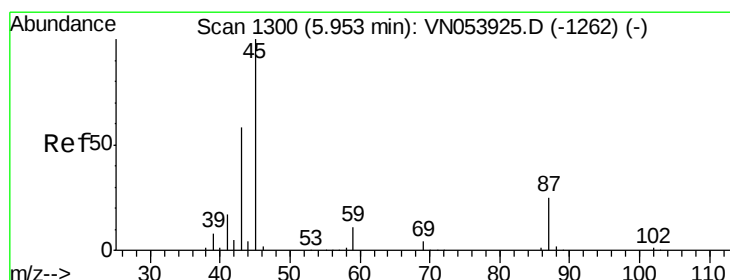
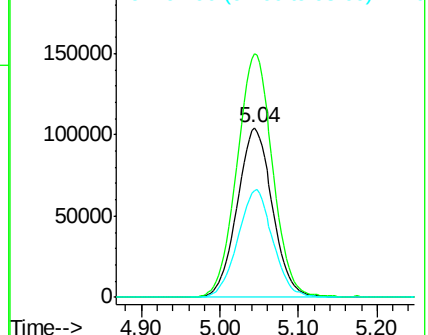
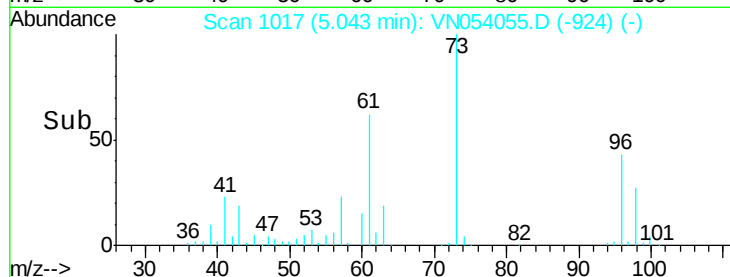


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.012 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion: 45 Resp: 1140779

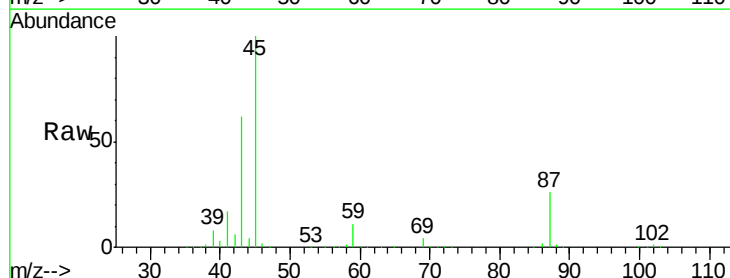
Ion Ratio Lower Upper

45 100

43 59.7 46.2 69.4

87 25.4 23.4 35.0

59 11.3 9.4 14.0



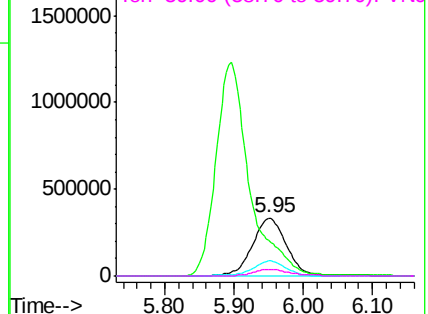
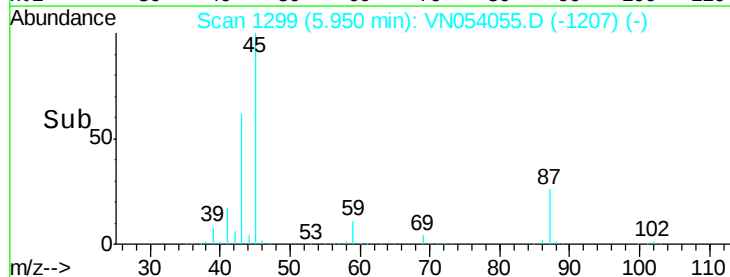
Abundance

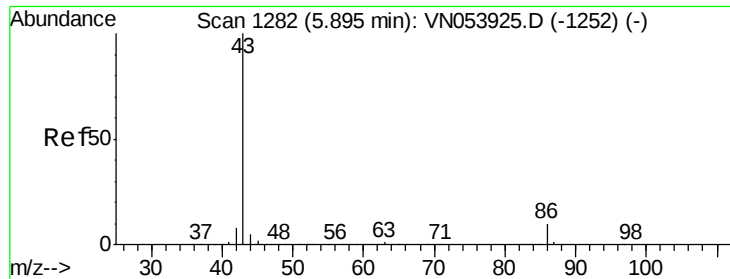
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 273.255 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

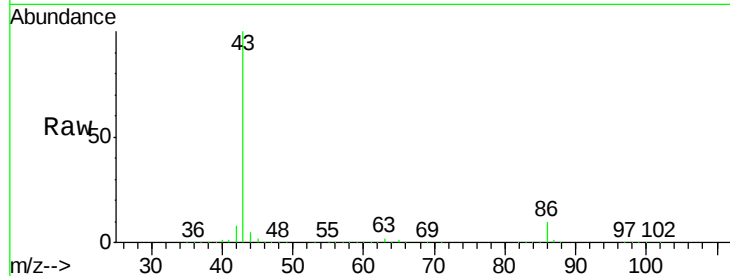
VSTDCCC050EC

Tot Ion: 43 Resp: 4151846

Ion Ratio Lower Upper

43 100

86 9.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

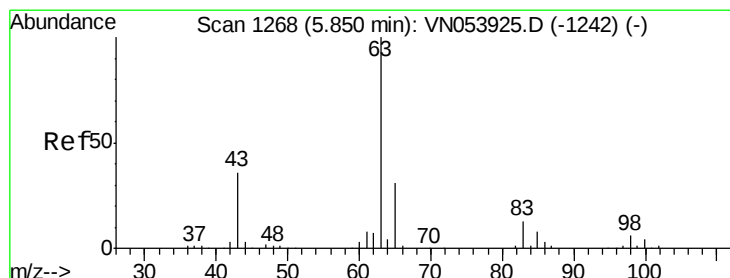
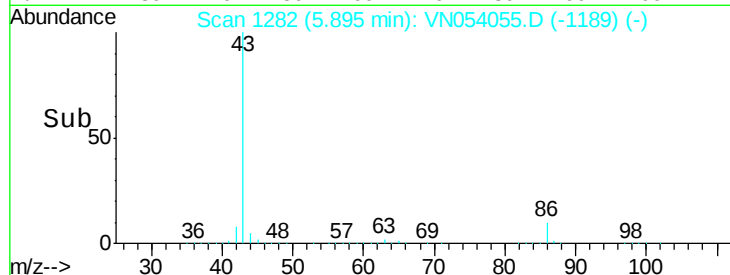
5.90

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.413 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

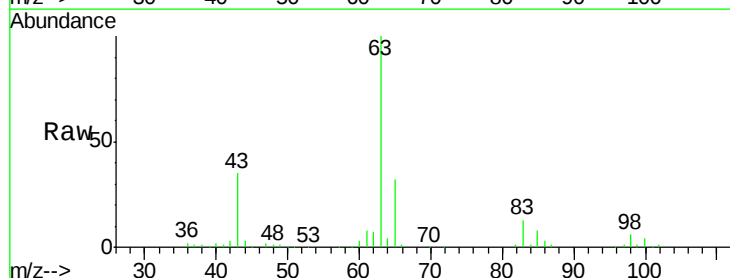
Tgt Ion: 63 Resp: 652967

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 3.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

250000

200000

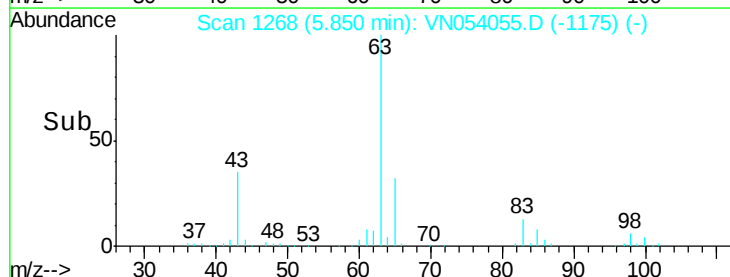
150000

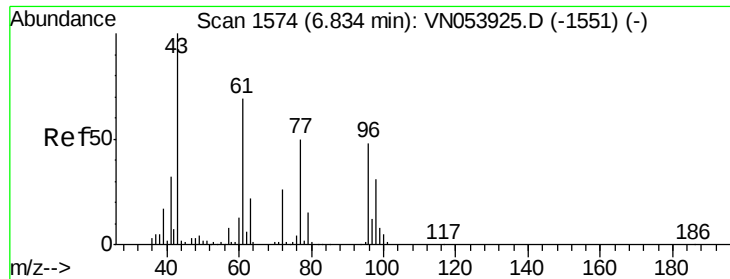
100000

50000

0

Time-->





#25

2-Butanone

Concen: 265.021 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

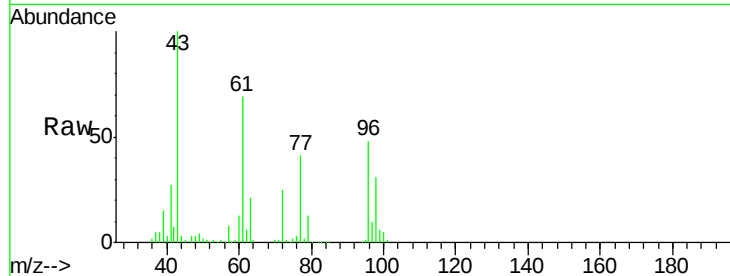
VSTDCCC050EC

Tot Ion: 43 Resp: 771325

Ion Ratio Lower Upper

43 100

72 24.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN053925.D (-1551) (-)

6.83

250000

200000

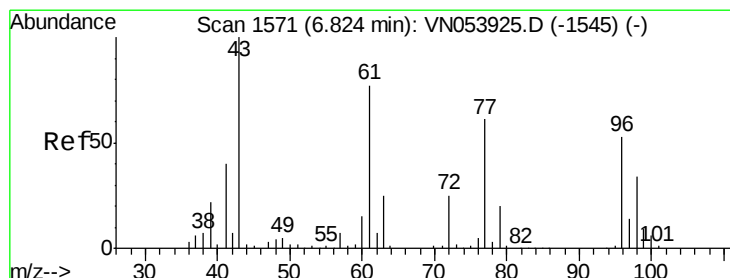
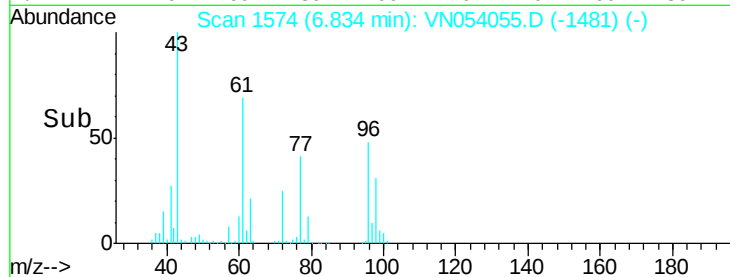
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 40.878 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054055.D

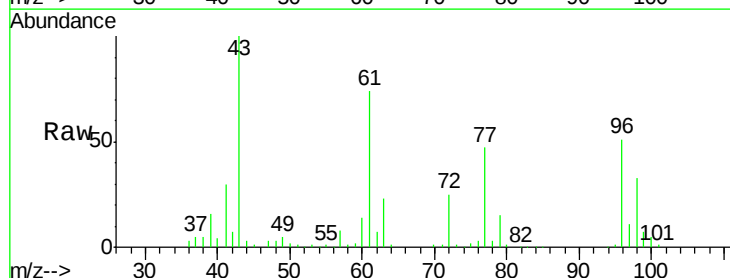
Acq: 2 Mar 2019 2:50

Tgt Ion: 77 Resp: 376162

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN053925.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN053925.D (-1545) (-)

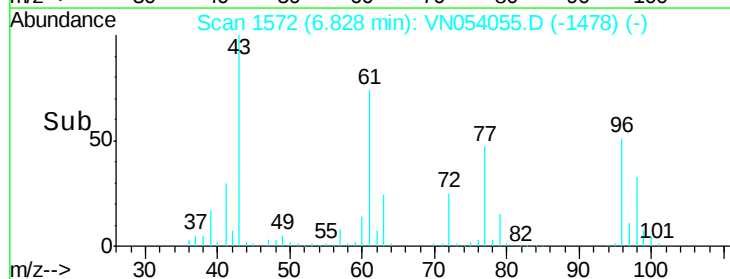
6.83

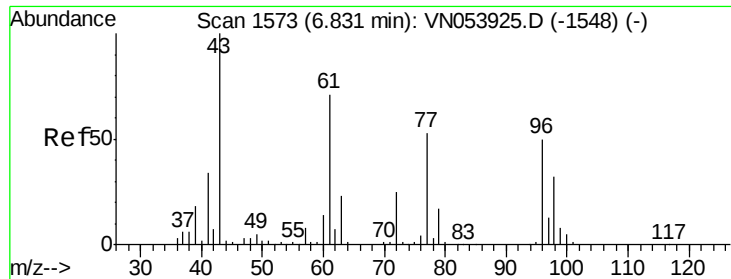
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.229 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

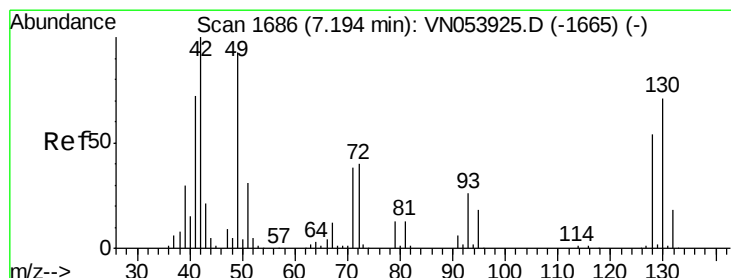
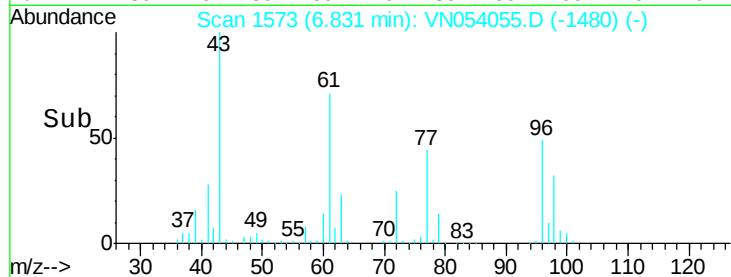
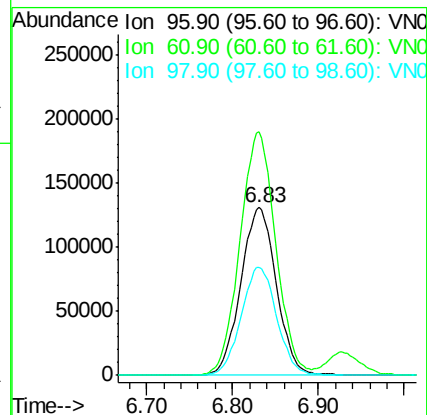
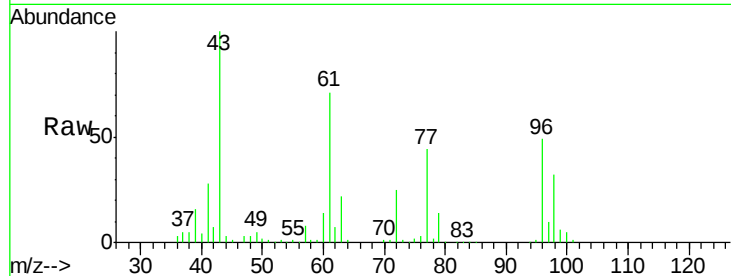
Tot Ion: 96 Resp: 377393

Ion Ratio Lower Upper

96 100

61 145.4 0.0 275.6

98 64.4 0.0 130.0



#28

Bromochloromethane

Concen: 53.418 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

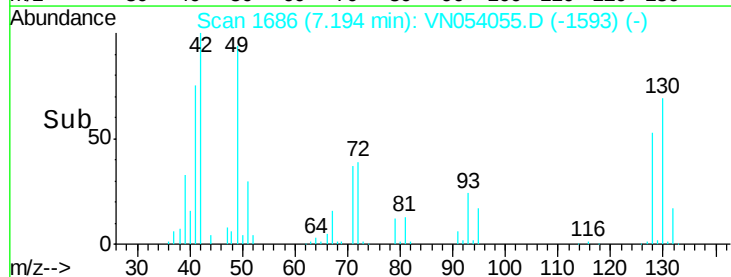
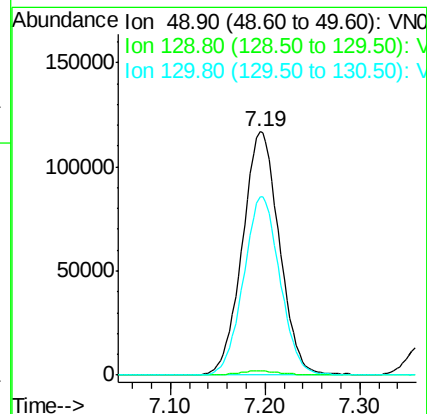
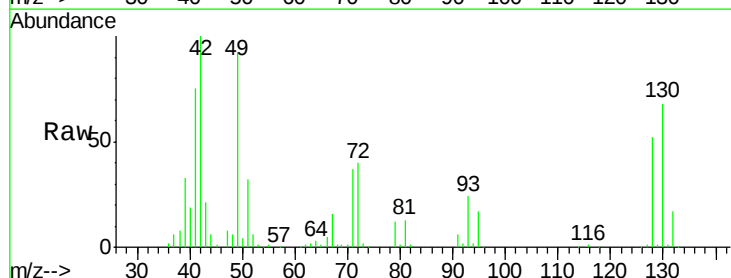
Tgt Ion: 49 Resp: 316693

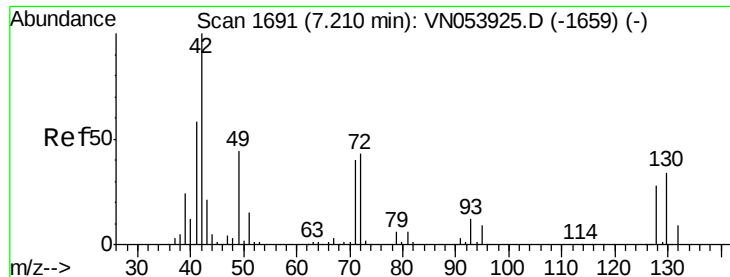
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 72.4 72.9 109.3#

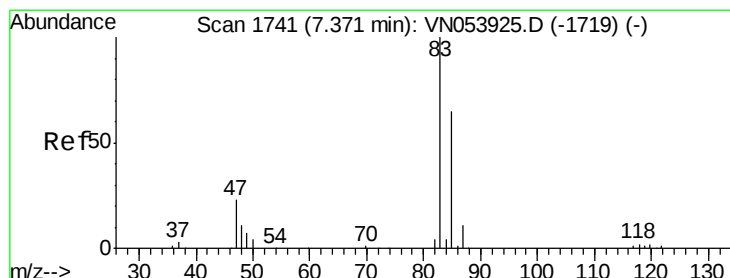
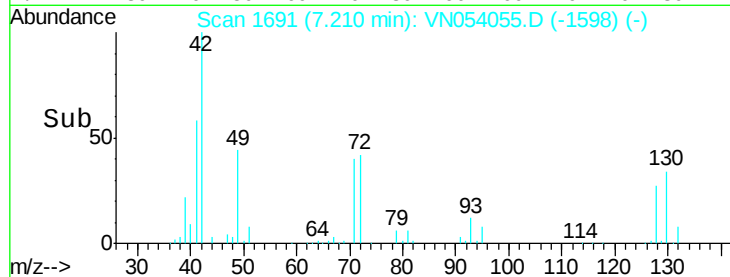
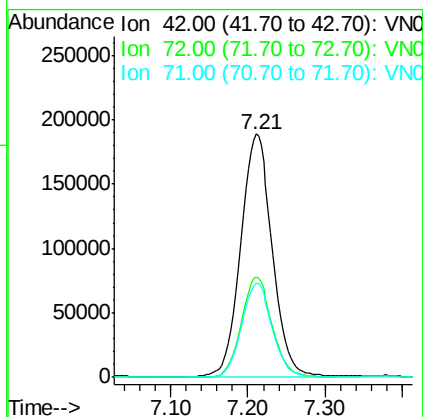
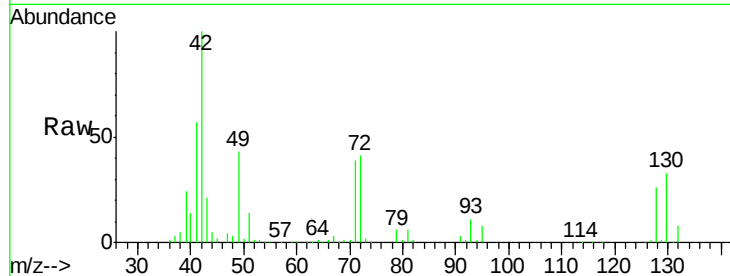




#29
Tetrahydrofuran
Concen: 275.617 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

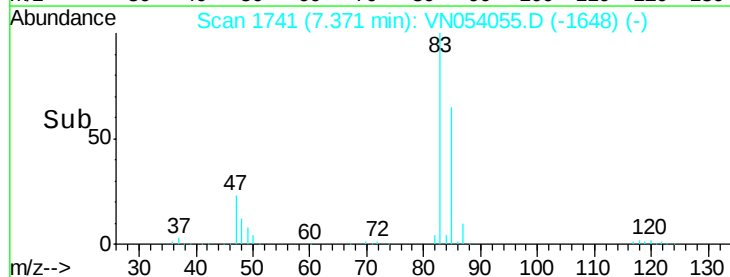
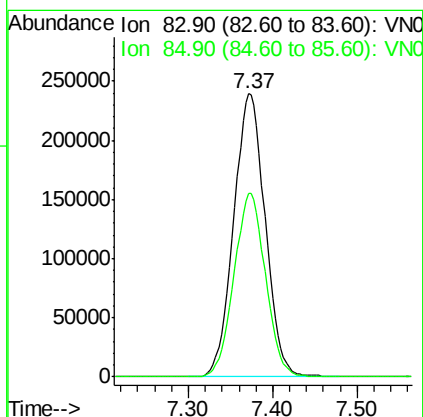
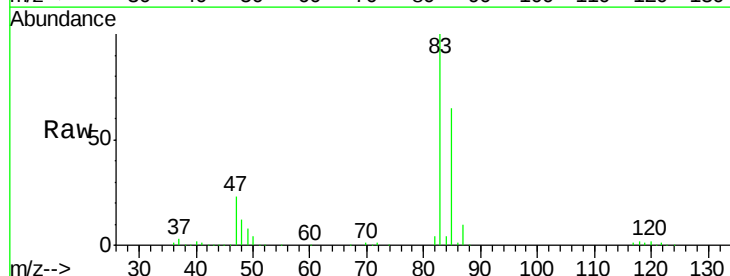
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

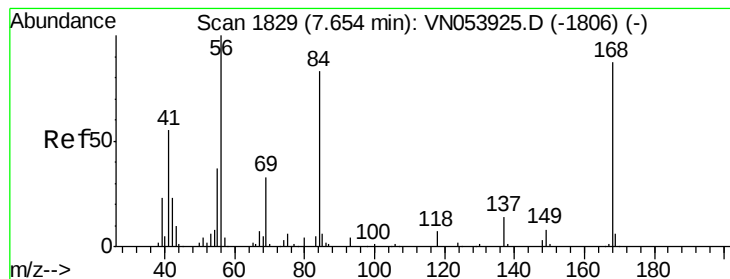
Tot Ion: 42 Resp: 534187
Ion Ratio Lower Upper
42 100
72 40.4 36.9 55.3
71 37.6 34.6 52.0



#30
Chloroform
Concen: 49.670 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 83 Resp: 623818
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8





#31

Cyclohexane

Concen: 49.668 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

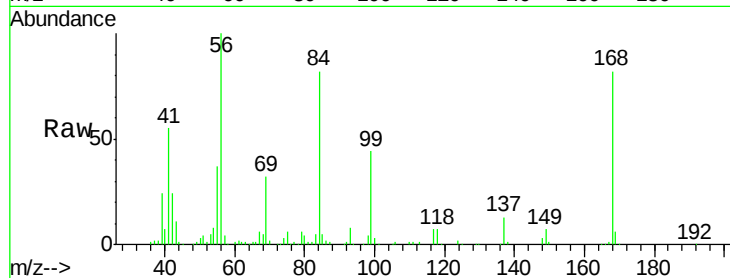
Tot Ion: 56 Resp: 588755

Ion Ratio Lower Upper

56 100

69 31.5 26.0 39.0

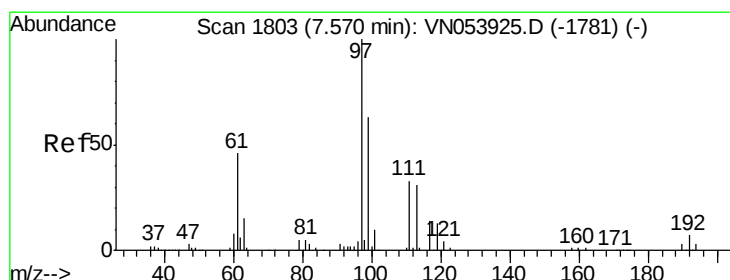
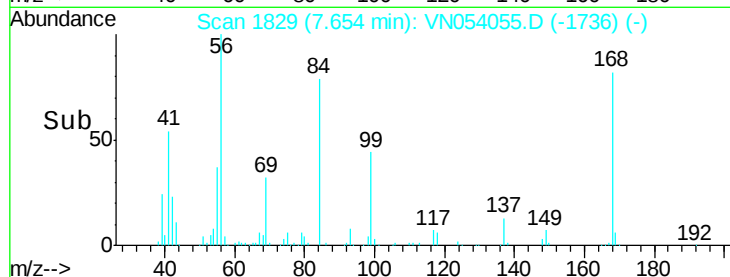
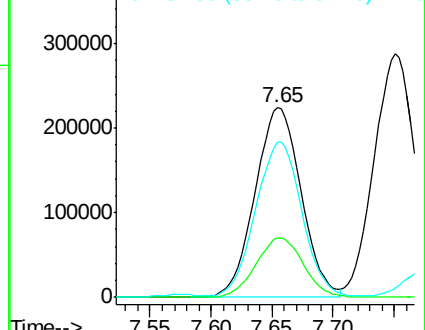
84 80.4 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053925.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053925.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 49.557 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

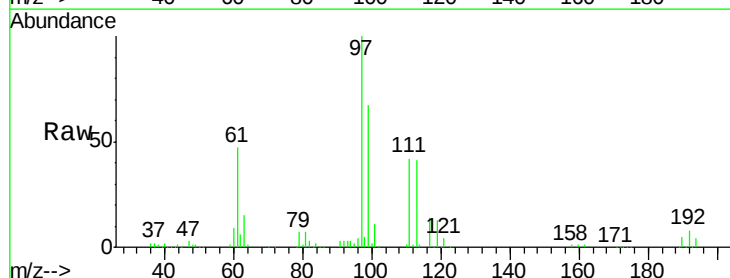
Tgt Ion: 97 Resp: 513182

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.8

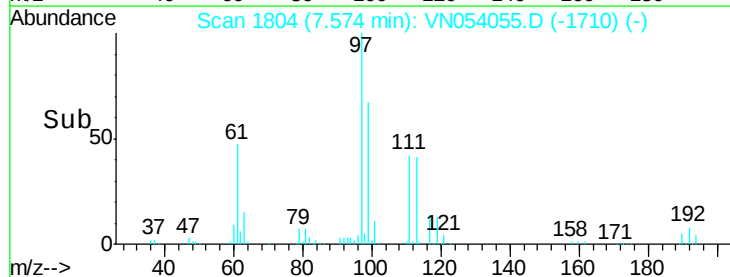
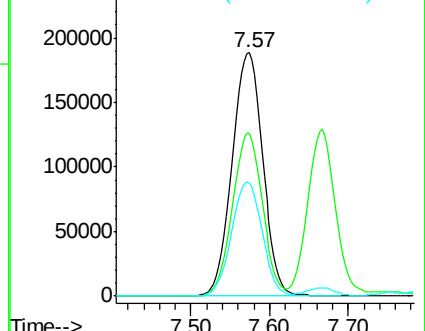
61 46.5 33.2 49.8

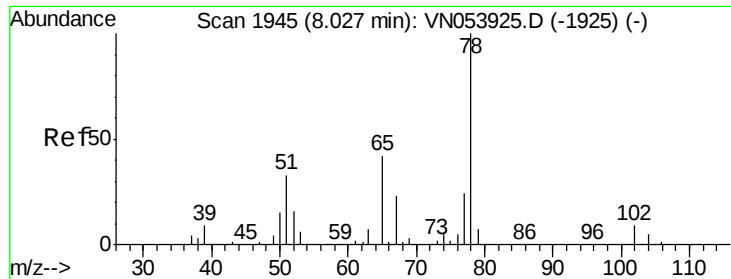


Abundance Ion 96.90 (96.60 to 97.60): VN053925.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN053925.D (-1781) (-)

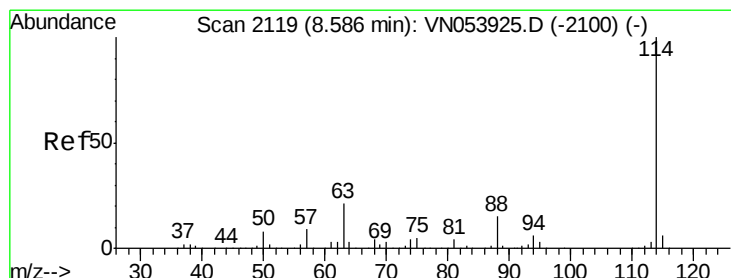
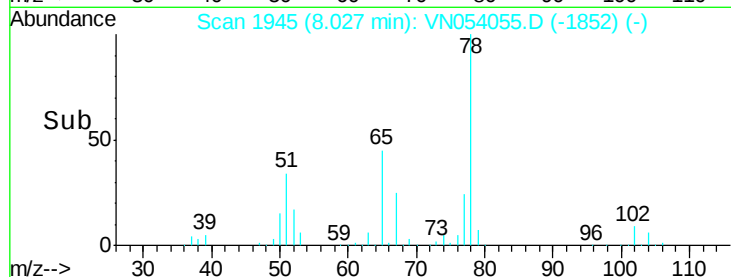
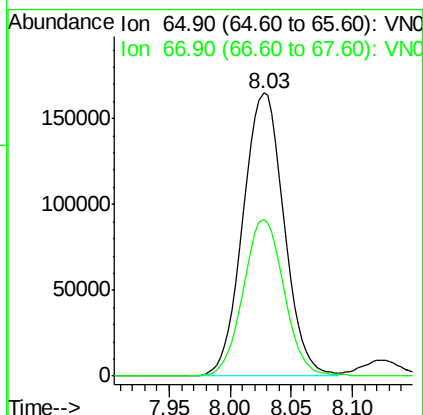
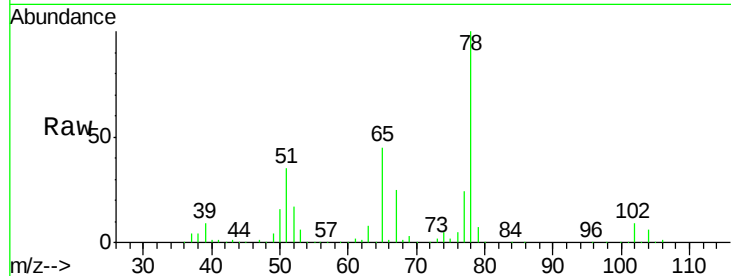




#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

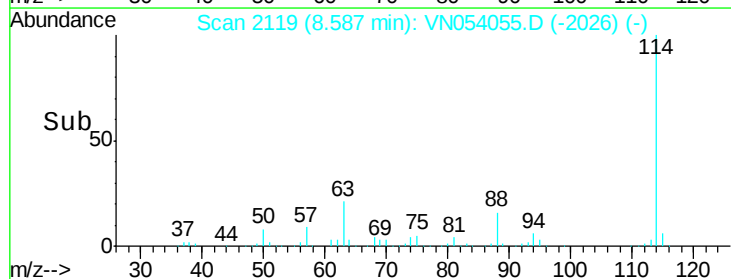
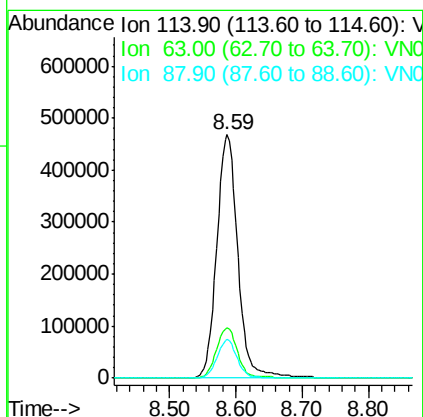
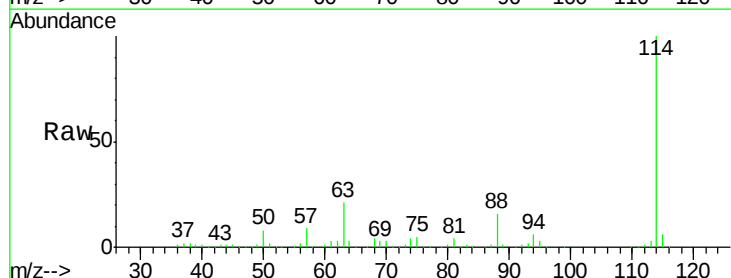
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

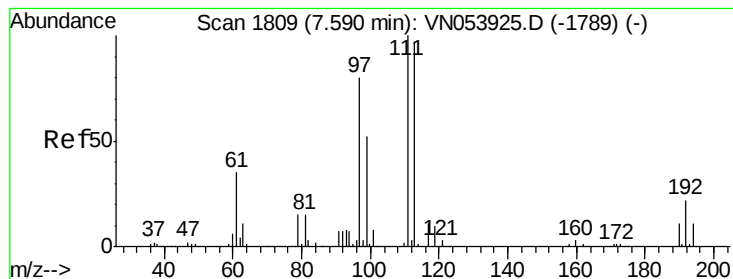
Tot Ion: 65 Resp: 384891
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion: 114 Resp: 1033598
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.101 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

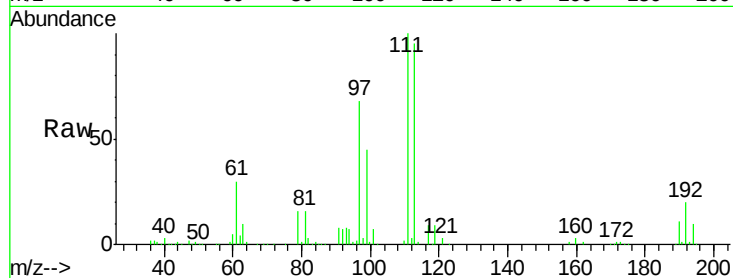
Tot Ion:113 Resp: 334865

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

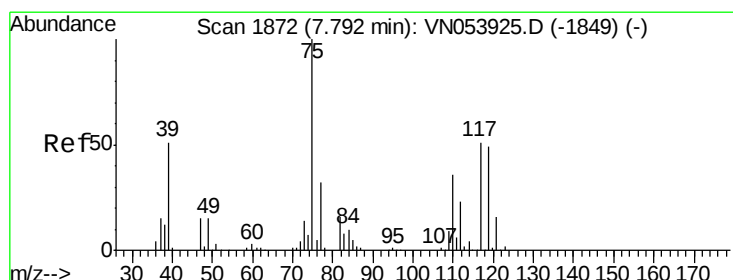
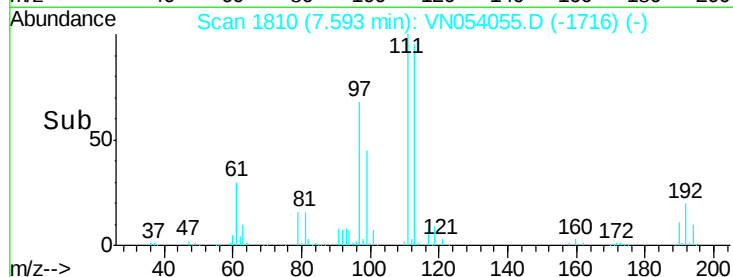
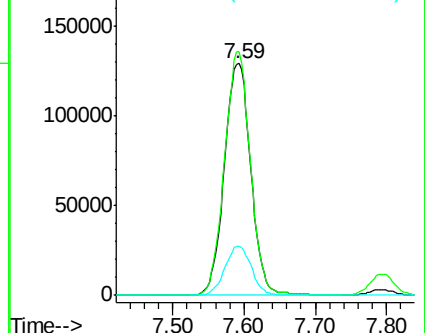
192 21.2 18.8 28.2



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: 49.230 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

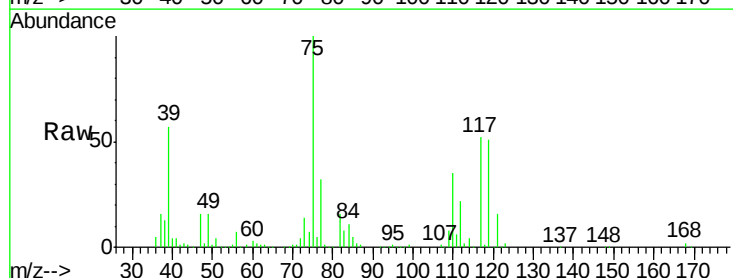
Tgt Ion: 75 Resp: 473202

Ion Ratio Lower Upper

75 100

110 34.6 19.0 57.0

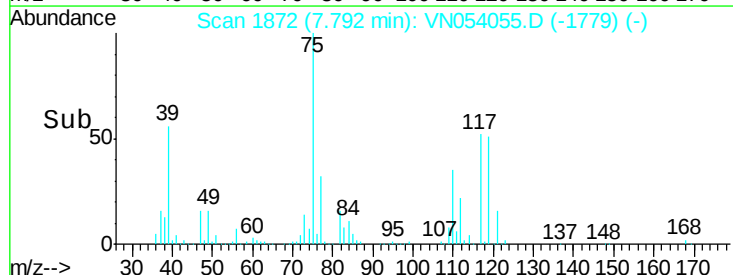
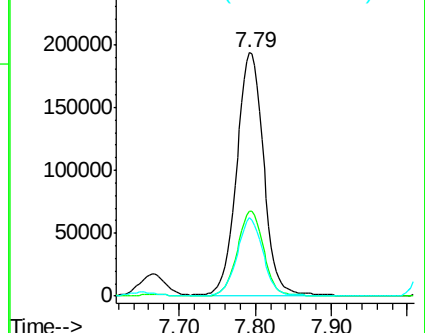
77 31.5 25.4 38.0

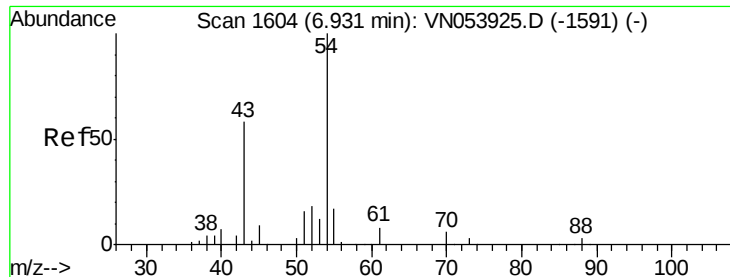


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

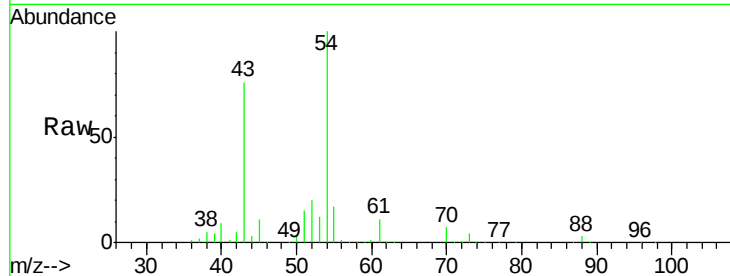




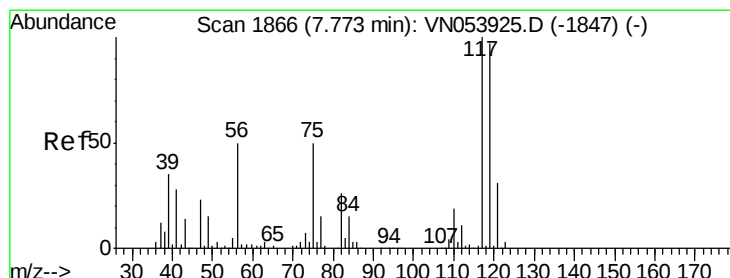
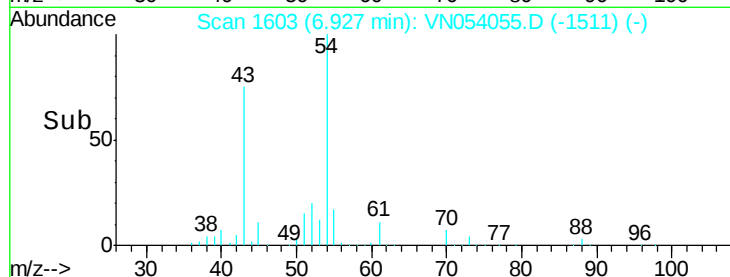
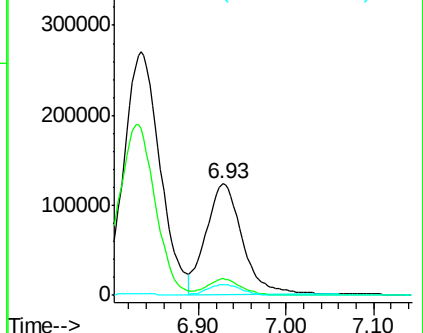
#37
Ethyl Acetate
Concen: 51.422 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 352928
Ion Ratio Lower Upper
43 100
61 13.8 12.0 18.0
70 9.2 8.7 13.1

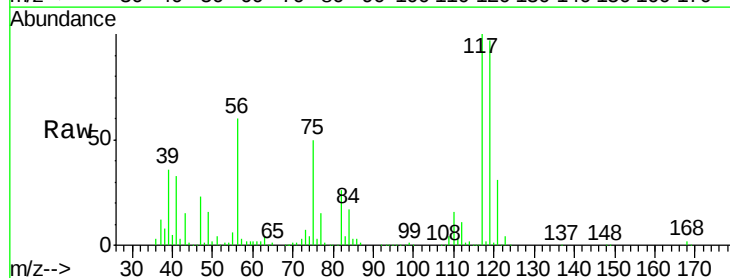


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

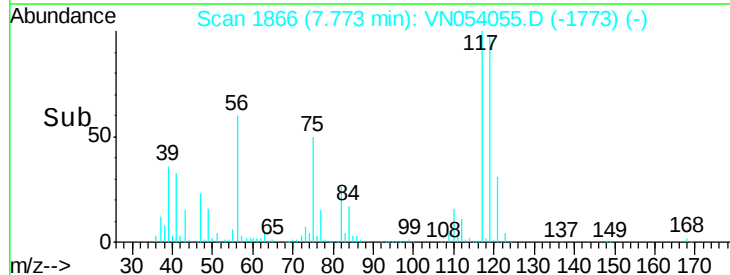
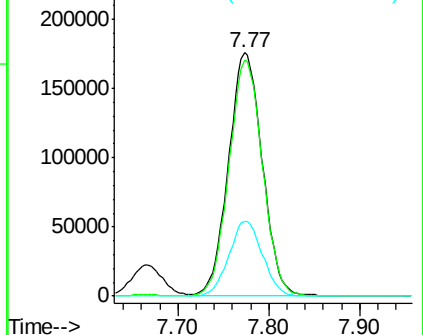


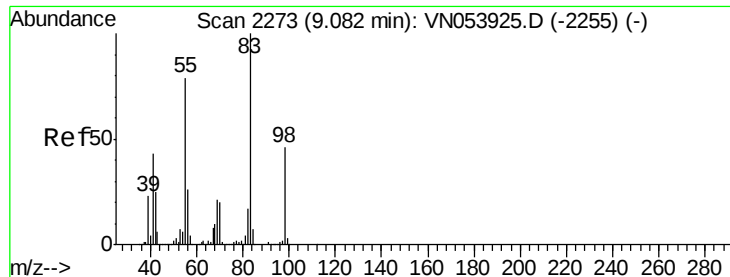
#38
Carbon Tetrachloride
Concen: 45.274 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 117 Resp: 452603
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.2
121 30.9 24.6 36.8



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

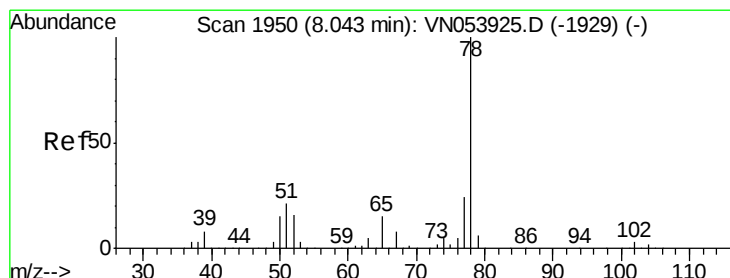
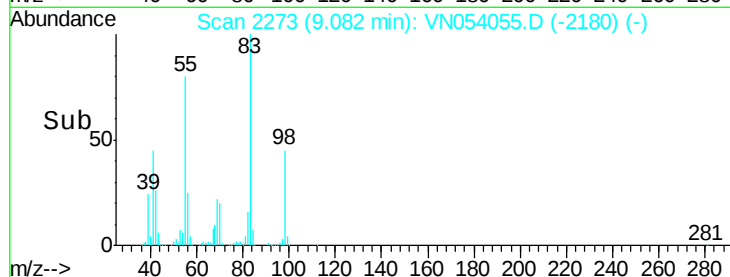
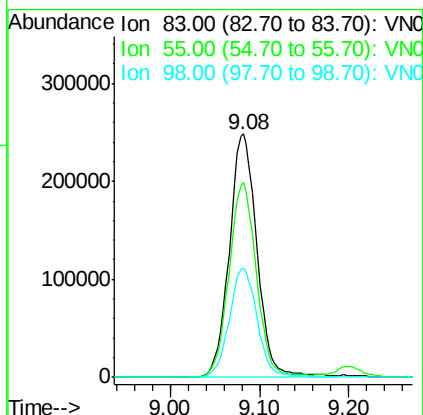
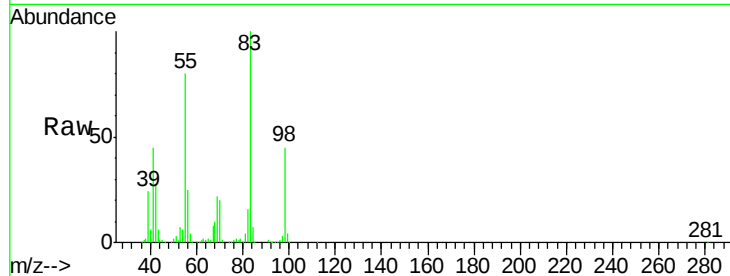




#39
Methvlcvclohexane
Concen: 46.171 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

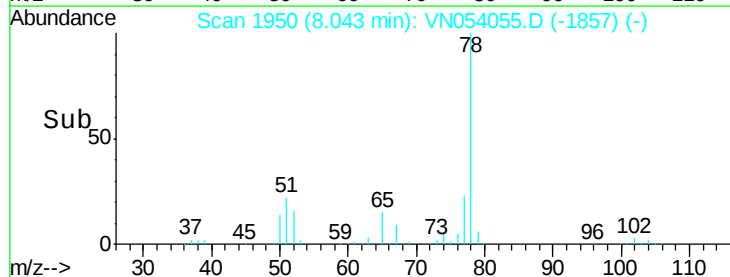
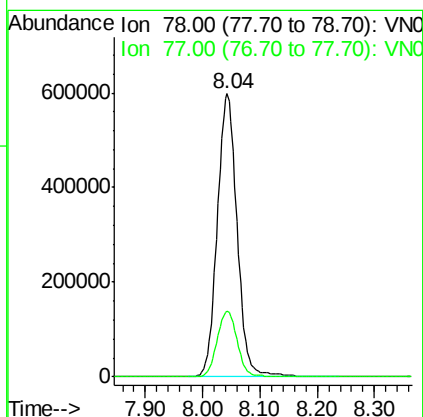
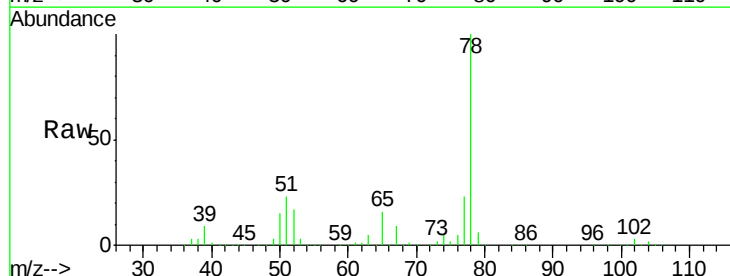
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

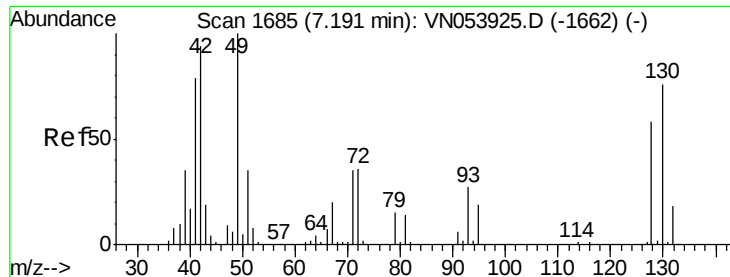
Tot Ion: 83 Resp: 534911
Ion Ratio Lower Upper
83 100
55 79.9 58.2 87.4
98 45.0 37.2 55.8



#40
Benzene
Concen: 48.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 78 Resp: 1440305
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

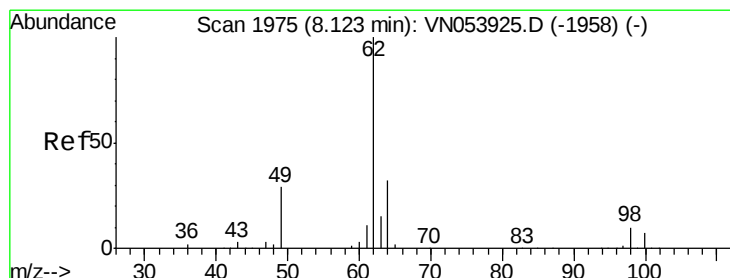
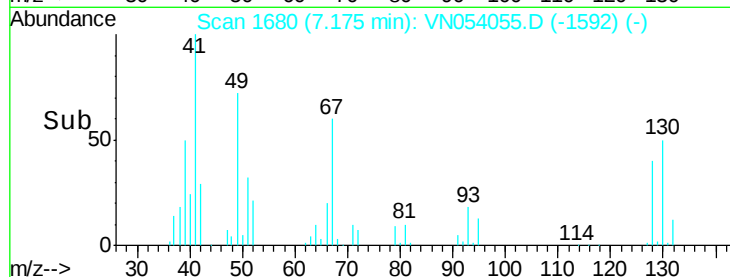
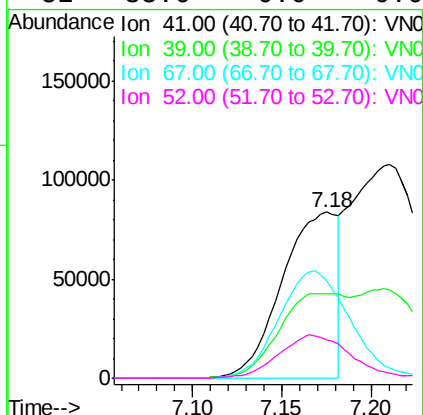
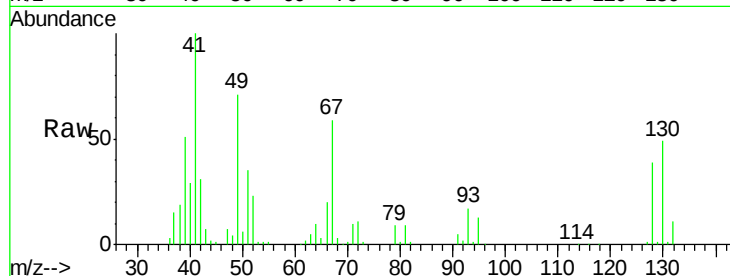




#41
Methacrylonitrile
Concen: 40.940 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

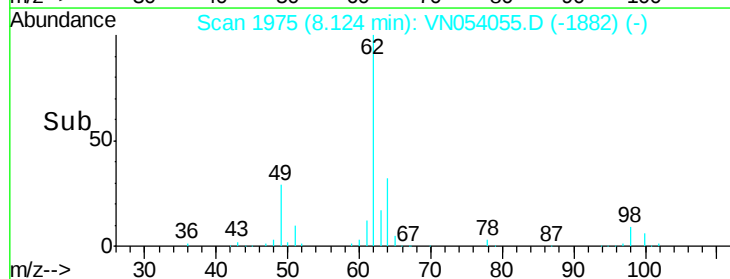
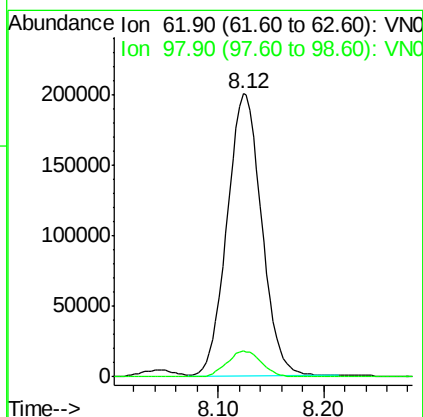
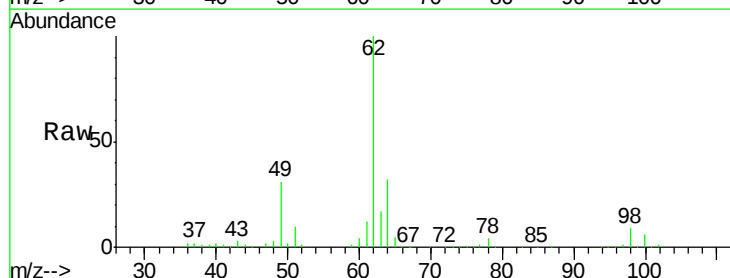
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

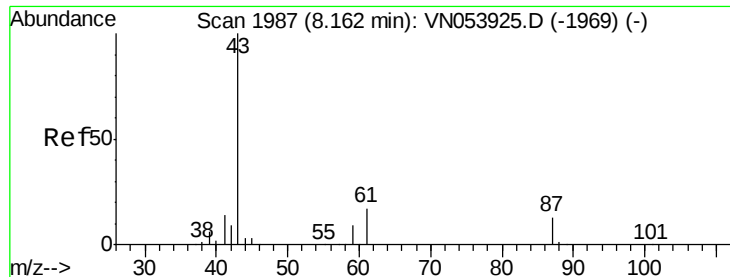
Tot Ion: 41 Resp: 180932
Ion Ratio Lower Upper
41 100
39 61.9 0.0 0.0#
67 83.5 0.0 0.0#
52 33.6 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 49.779 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 62 Resp: 455081
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.8





#43

Isopropyl Acetate

Concen: 52.816 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

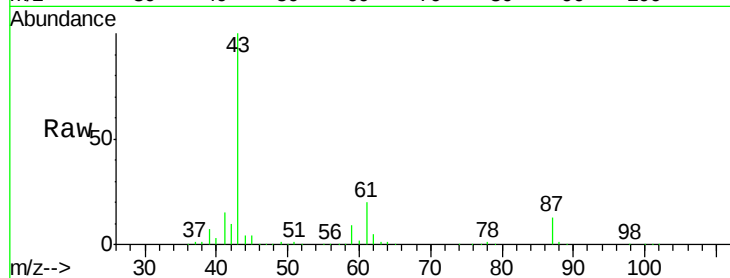
Tot Ion: 43 Resp: 612044

Ion Ratio Lower Upper

43 100

61 26.8 17.4 26.0#

87 11.8 11.5 17.3

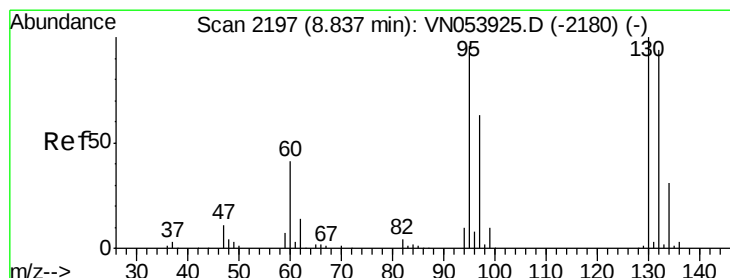
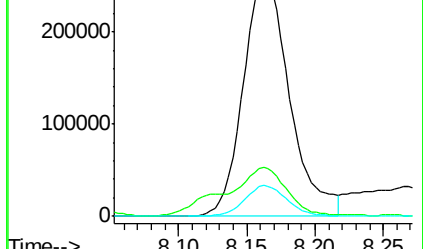
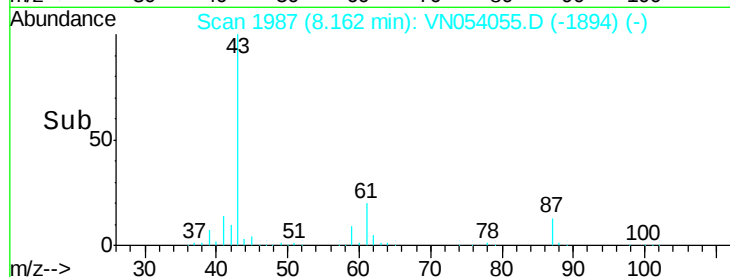


Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)

Time-->



#44

Trichloroethene

Concen: 46.734 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054055.D

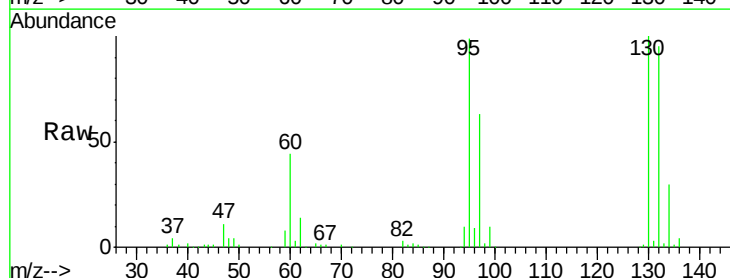
Acq: 2 Mar 2019 2:50

Tgt Ion:130 Resp: 365855

Ion Ratio Lower Upper

130 100

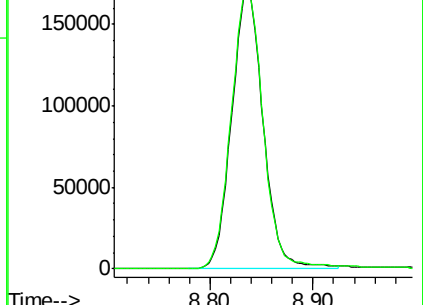
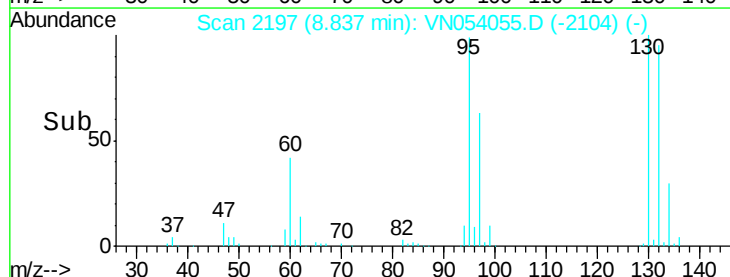
95 99.3 0.0 190.0

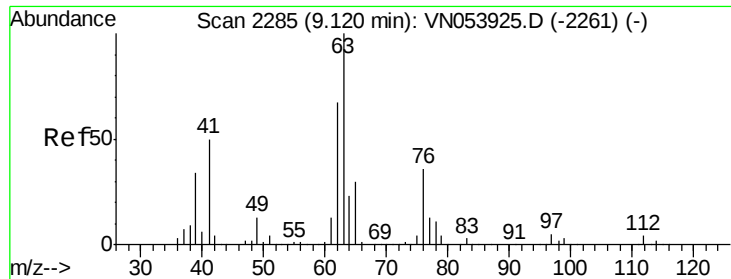


Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 49.931 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

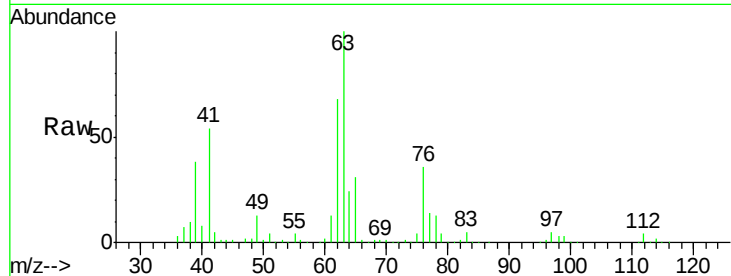
VSTDCCC050EC

Tot Ion: 63 Resp: 397787

Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

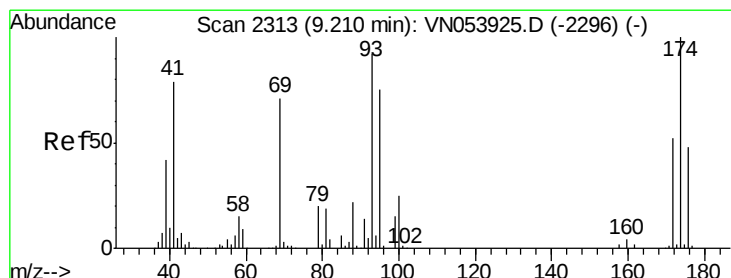
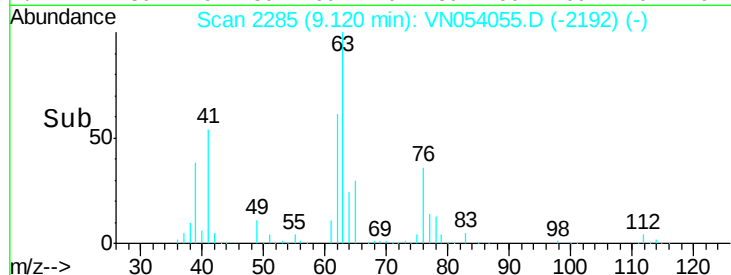
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.775 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

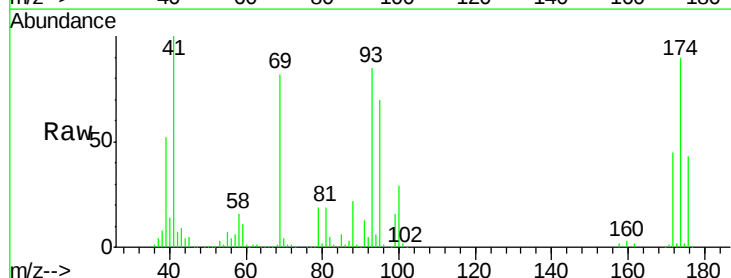
Tgt Ion: 93 Resp: 230215

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 105.1 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

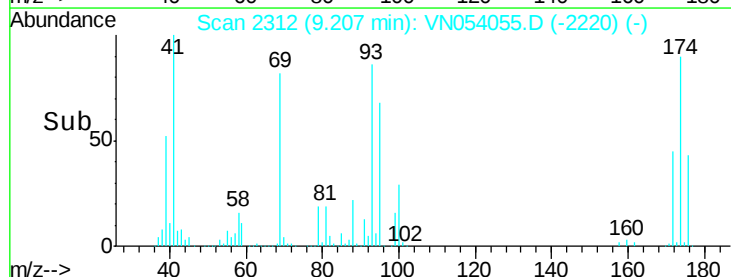
150000

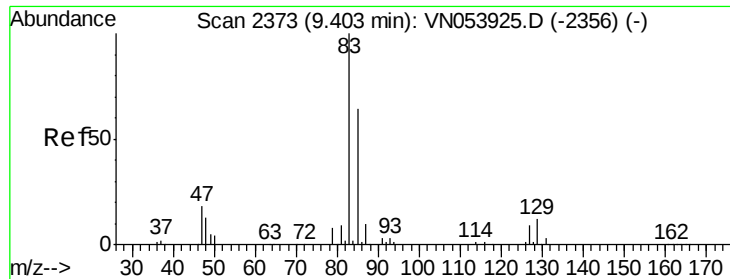
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

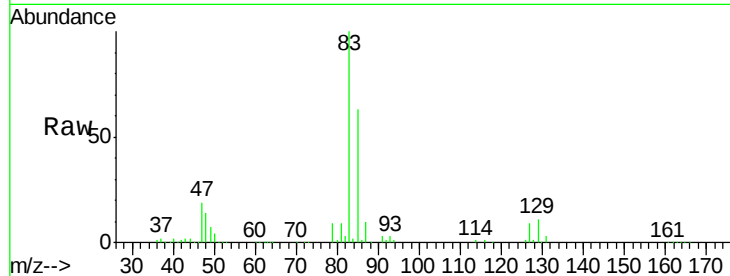
Tot Ion: 83 Resp: 486437

Ion Ratio Lower Upper

83 100

85 62.5 51.8 77.6

127 8.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

300000

250000

200000

150000

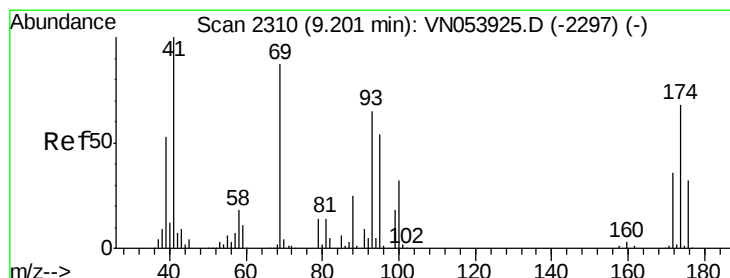
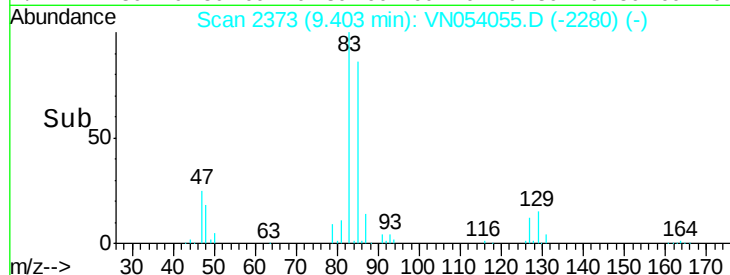
100000

50000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 55.253 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

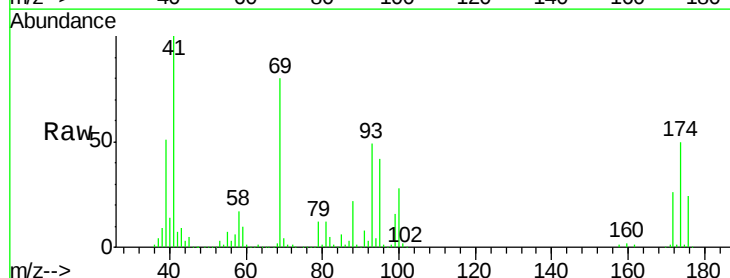
Tgt Ion: 41 Resp: 294516

Ion Ratio Lower Upper

41 100

69 87.4 74.8 112.2

39 55.0 39.0 58.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

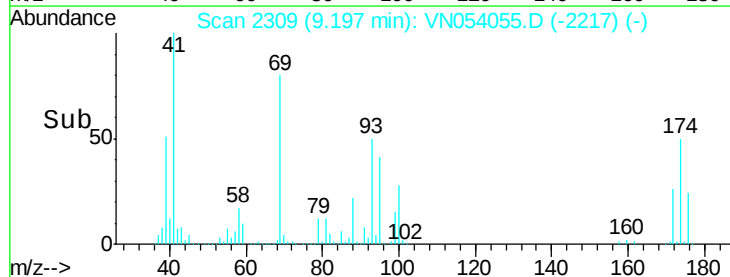
100000

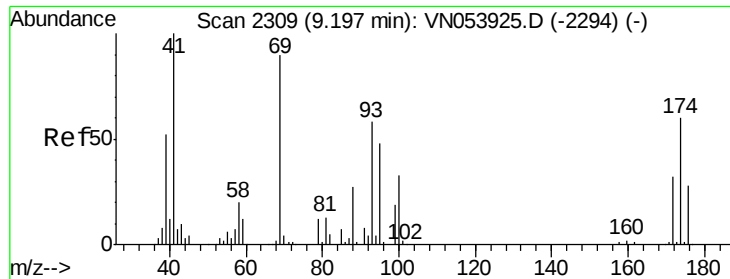
50000

0

9.15 9.20 9.25

Time-->





#49

1,4-Dioxane

Concen: 1071.502 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

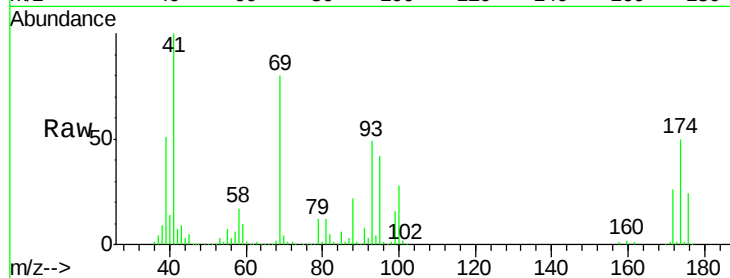
Tot Ion: 88 Resp: 77357

Ion Ratio Lower Upper

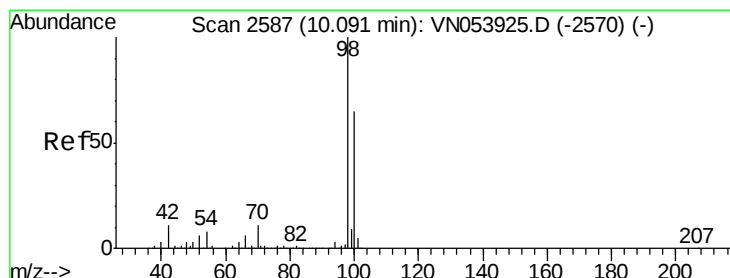
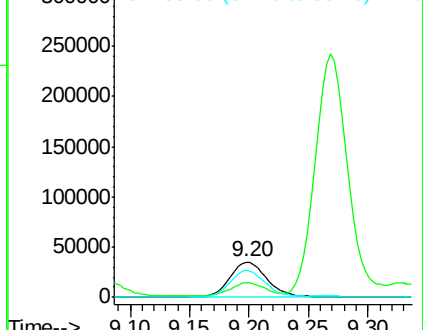
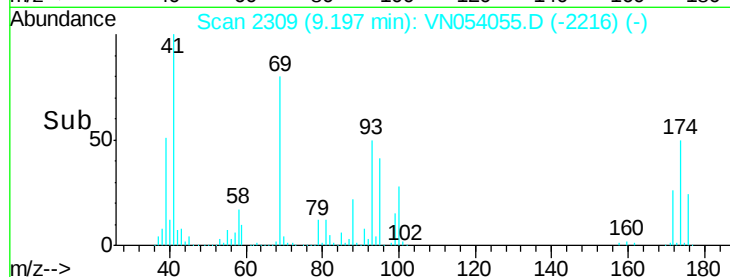
88 100

43 34.2 21.2 31.8#

58 72.5 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VN054055.D (-2216) (-)



#50

Toluene-d8

Concen: 49.632 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054055.D

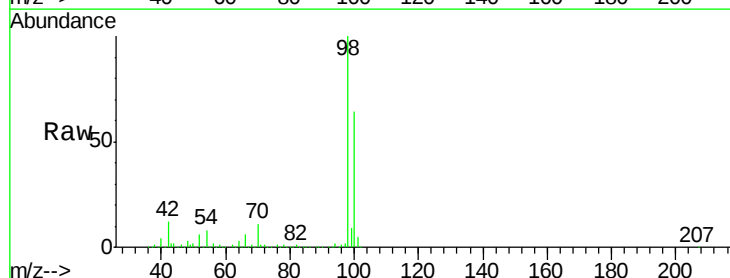
Acq: 2 Mar 2019 2:50

Tgt Ion: 98 Resp: 1234902

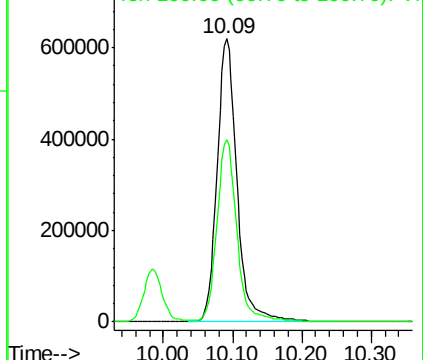
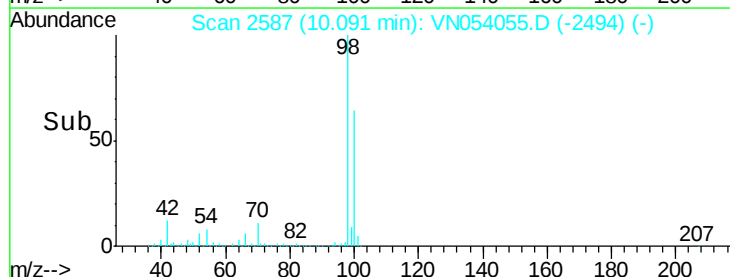
Ion Ratio Lower Upper

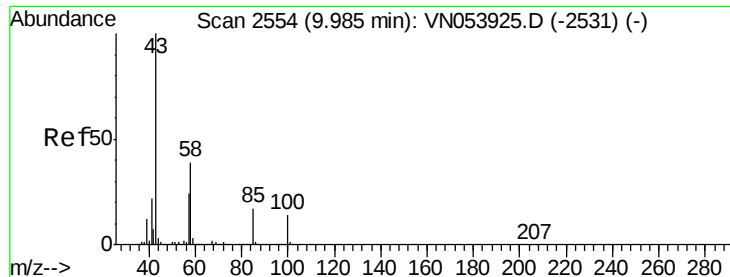
98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN054055.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 283.650 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

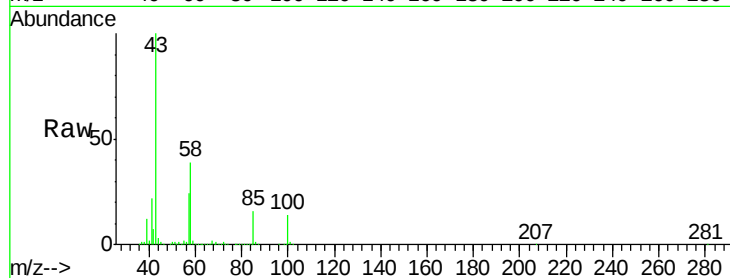
VSTDCCC050EC

Tot Ion: 43 Resp: 1689097

Ion Ratio Lower Upper

43 100

58 37.8 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

9.98

800000

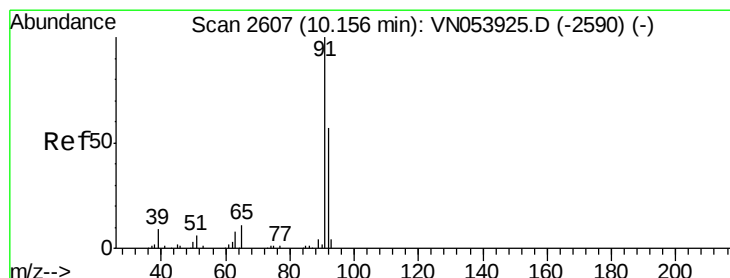
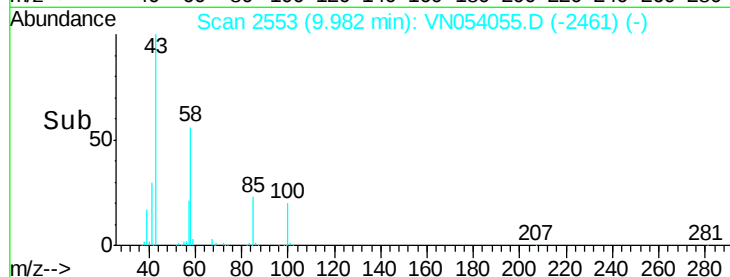
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.460 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054055.D

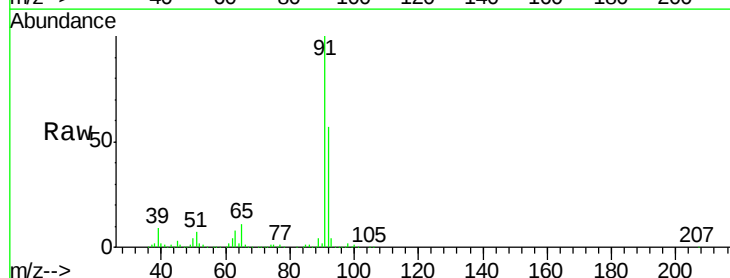
Acq: 2 Mar 2019 2:50

Tgt Ion: 92 Resp: 859987

Ion Ratio Lower Upper

92 100

91 176.3 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

800000

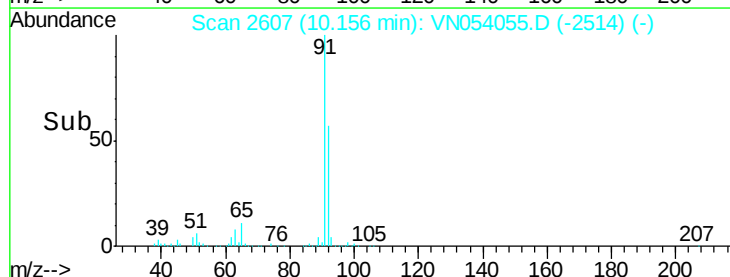
600000

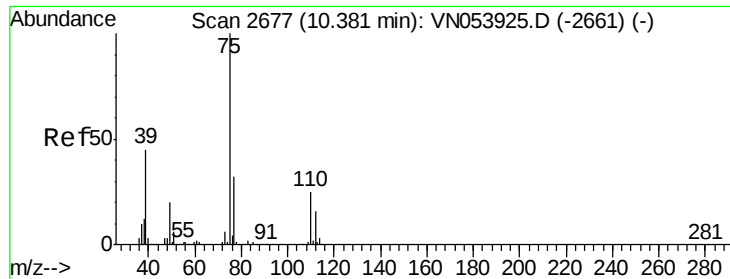
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.504 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

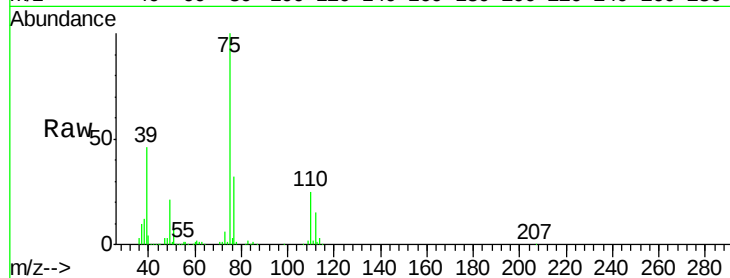
VSTDCCC050EC

Tot Ion: 75 Resp: 478974

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

150000

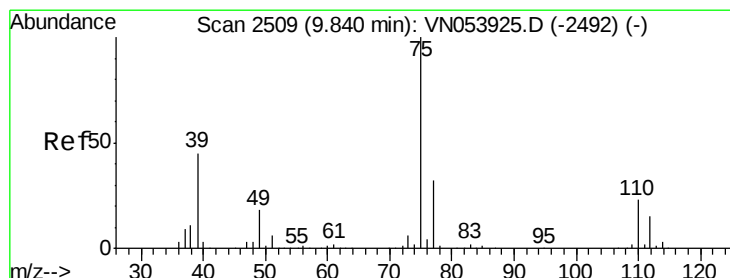
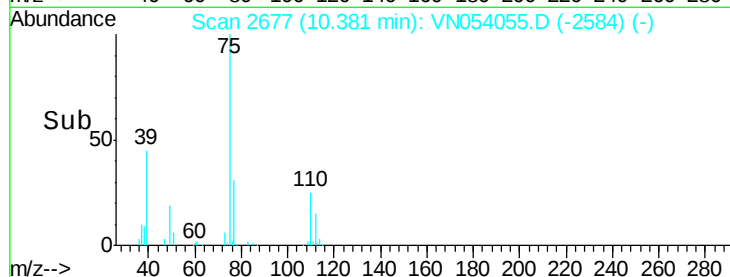
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 49.448 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

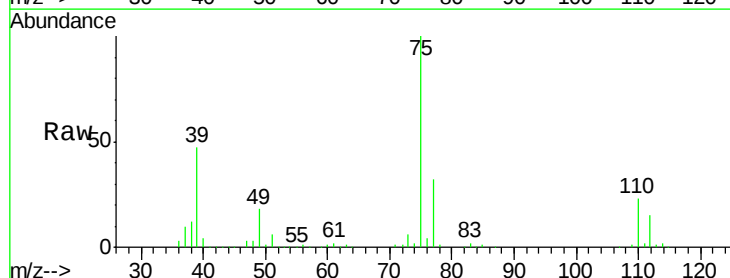
Tgt Ion: 75 Resp: 552840

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 46.6 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

300000

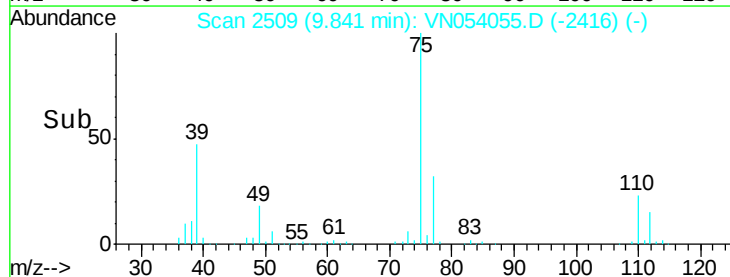
200000

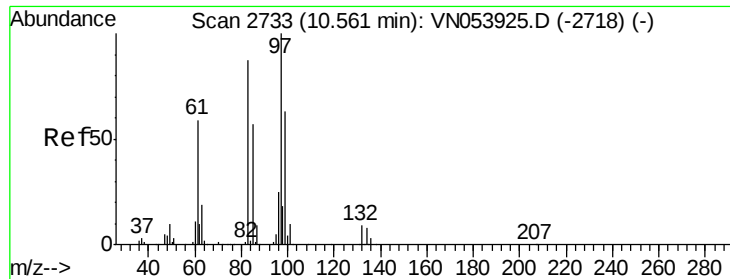
100000

0

Time-->

9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 49.595 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 322047

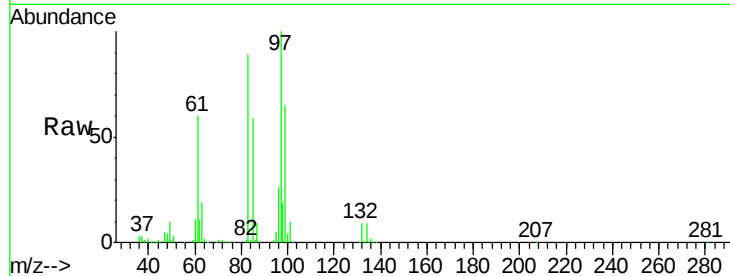
Ion Ratio Lower Upper

97 100

83 88.9 69.5 104.3

85 58.9 45.9 68.9

99 64.3 49.1 73.7

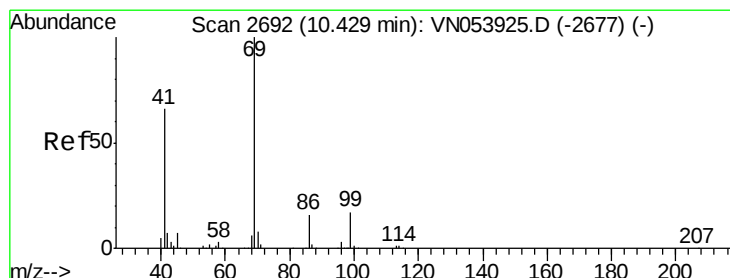
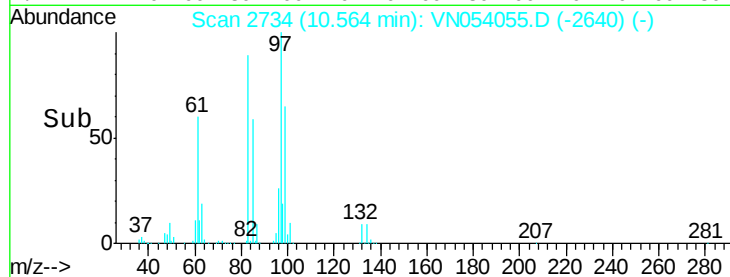
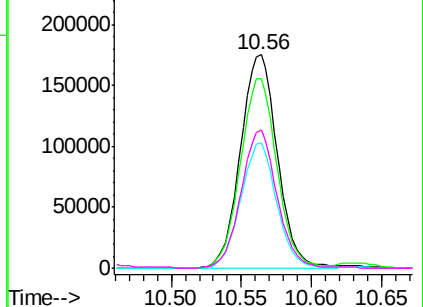


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.696 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

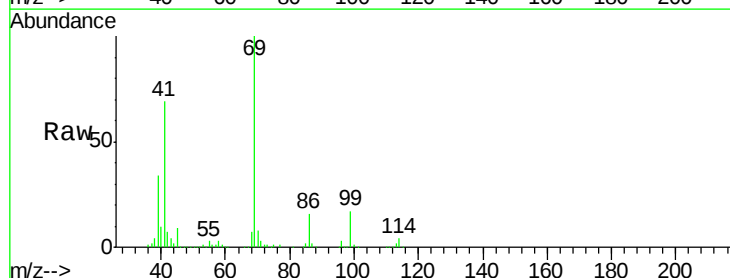
Tgt Ion: 69 Resp: 423023

Ion Ratio Lower Upper

69 100

41 67.9 47.5 71.3

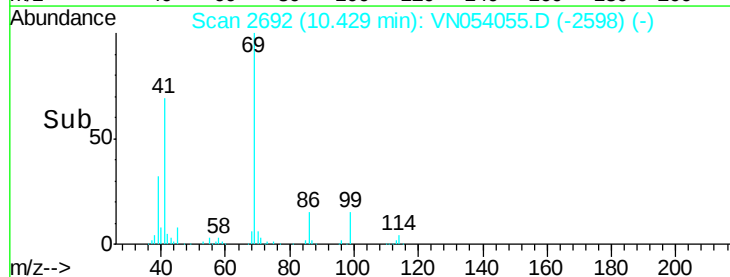
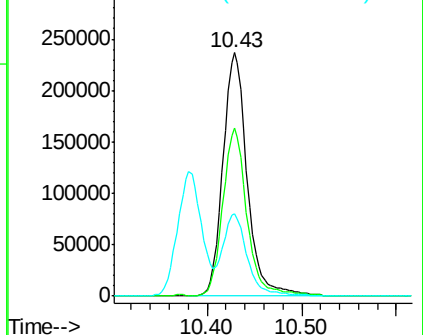
39 34.1 23.4 35.0

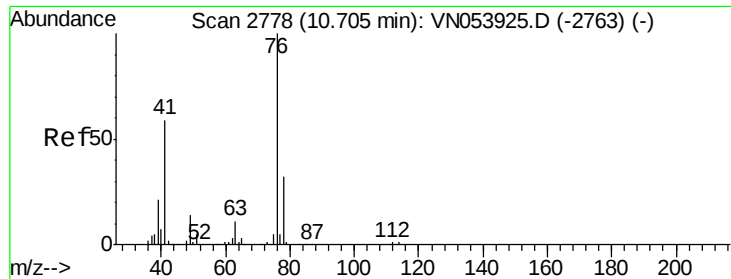


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

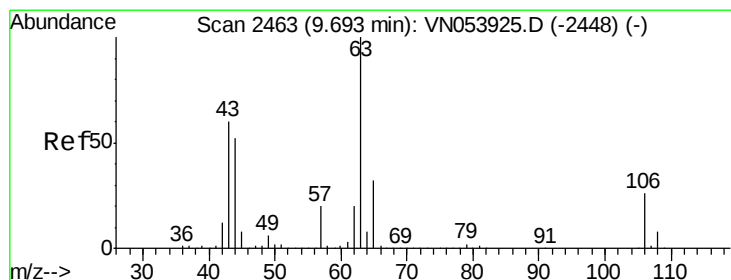
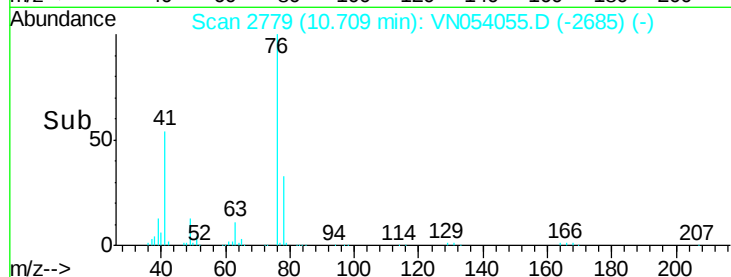
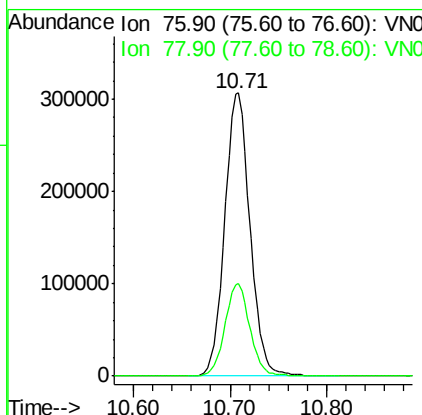
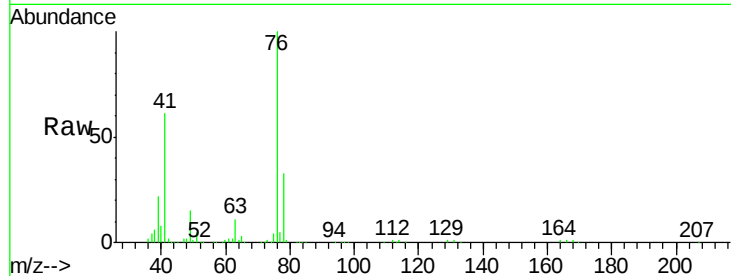




#57
 1,3-Dichloropropane
 Concen: 50.684 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

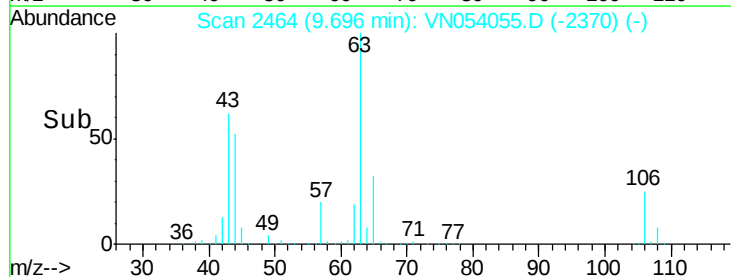
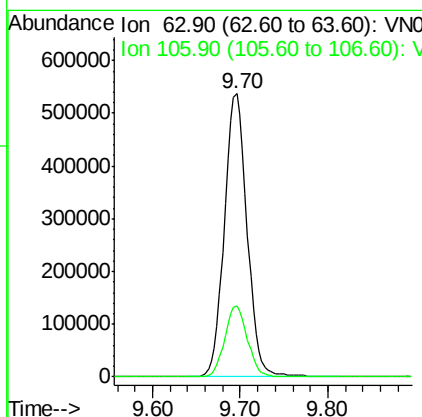
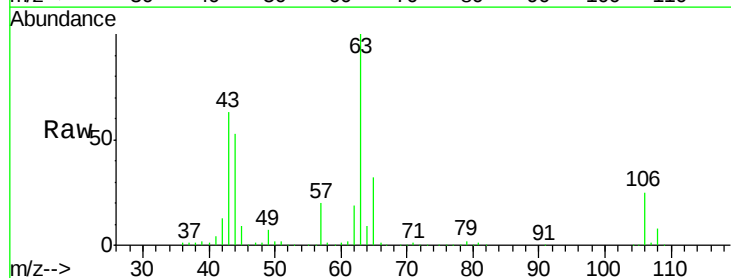
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

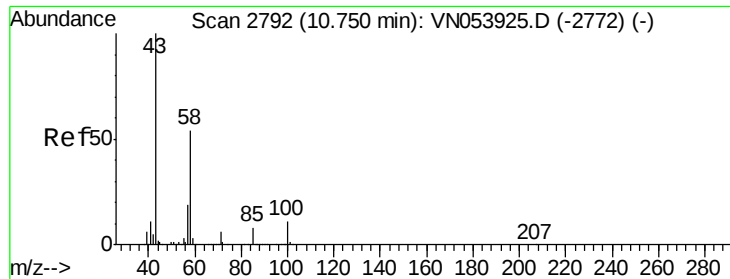
Tot Ion: 76 Resp: 556087
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.843 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion: 63 Resp: 969395
 Ion Ratio Lower Upper
 63 100
 106 24.9 22.2 33.2

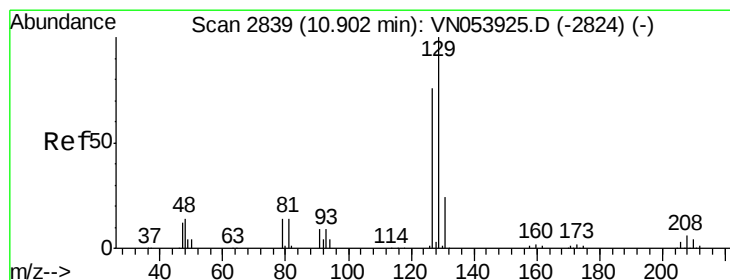
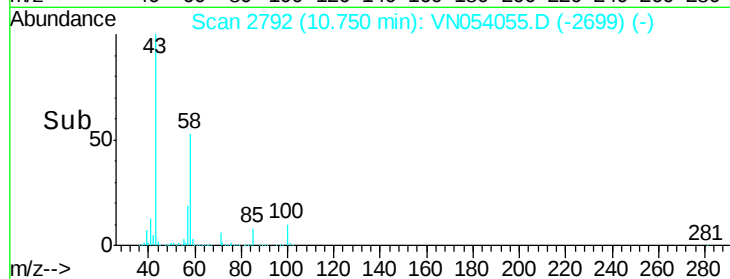
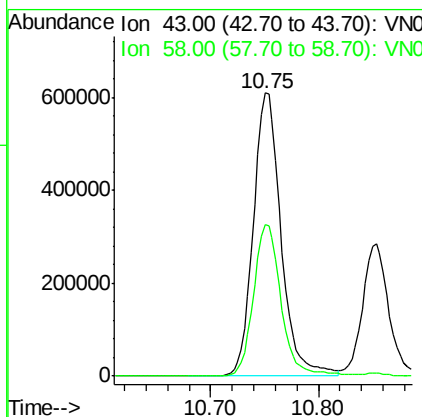
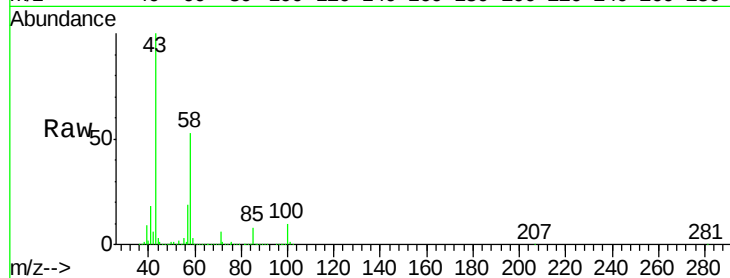




#59
2-Hexanone
Concen: 279.720 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

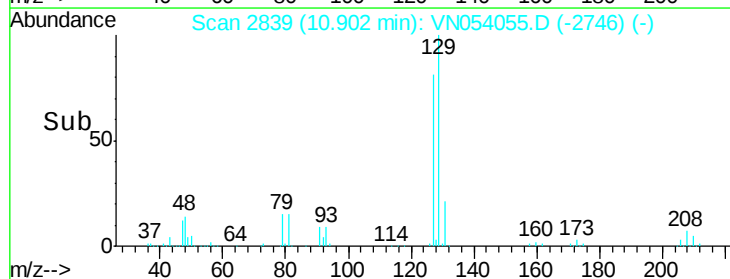
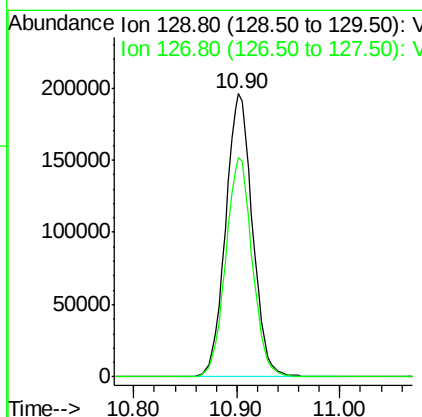
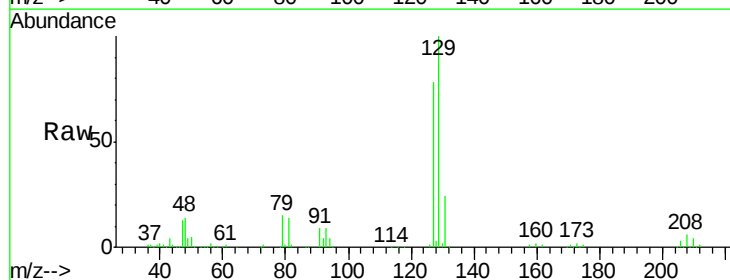
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

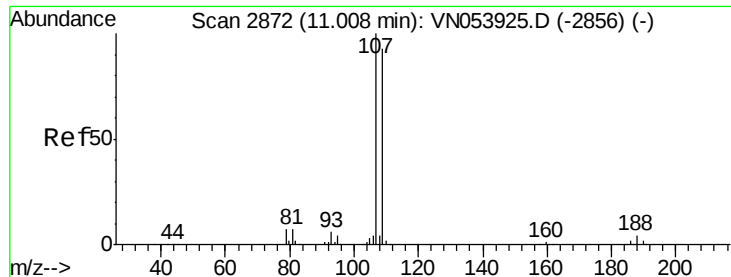
Tot Ion: 43 Resp: 1083337
Ion Ratio Lower Upper
43 100
58 53.4 29.1 87.4



#60
Dibromochloromethane
Concen: 49.110 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 129 Resp: 354413
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3

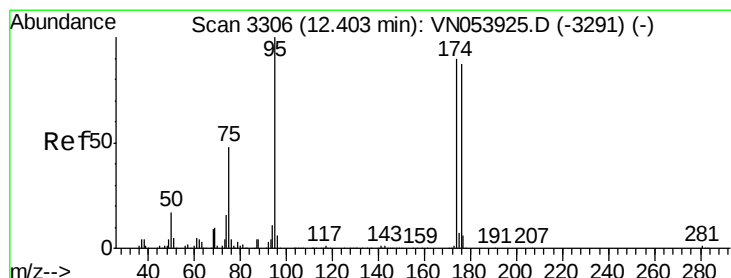
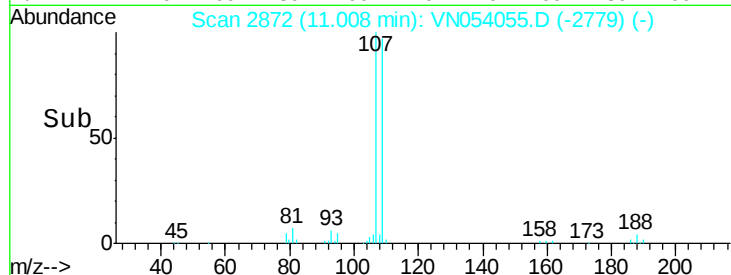
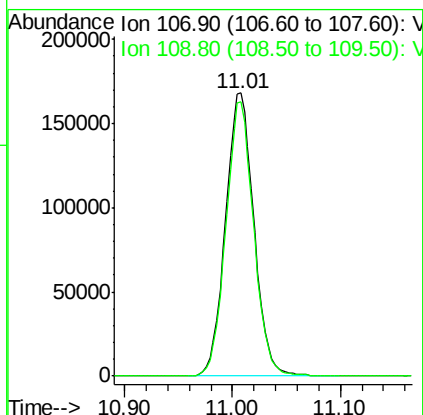
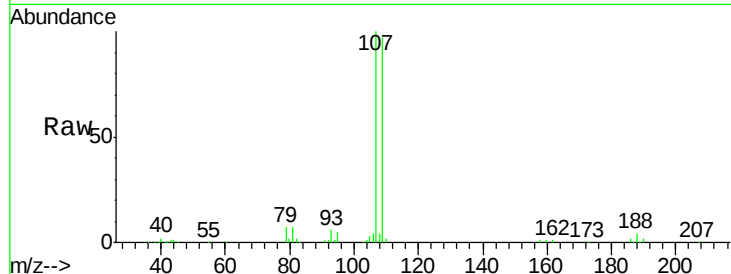




#61
 1,2-Dibromoethane
 Concen: 49.172 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

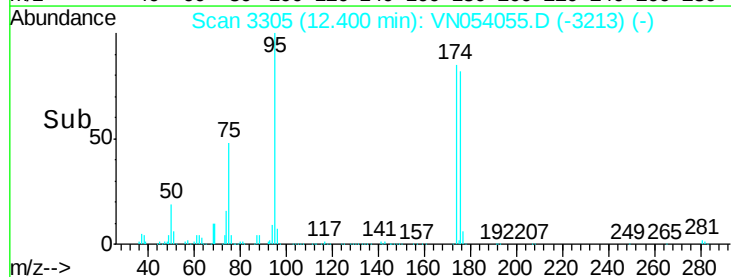
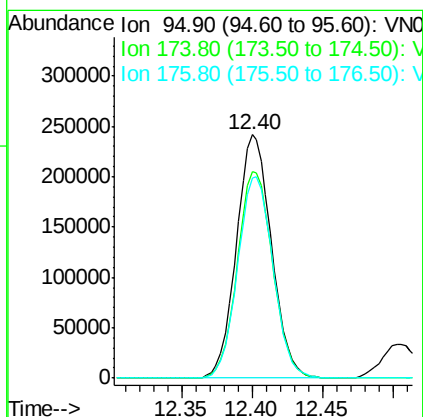
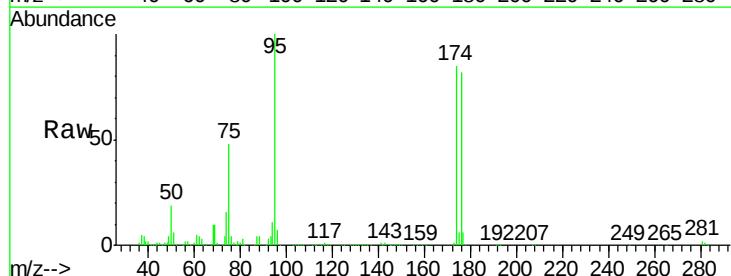
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

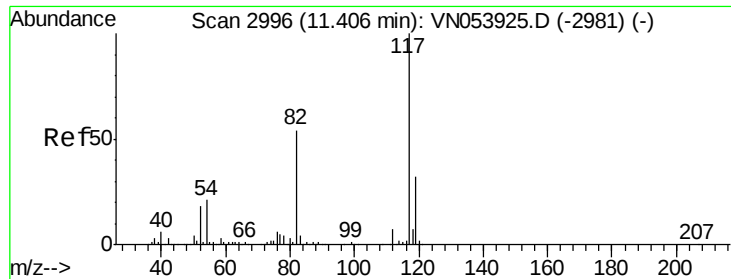
Tot Ion:107 Resp: 308012
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 50.622 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion: 95 Resp: 419637
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 188.8
 176 83.7 0.0 182.6

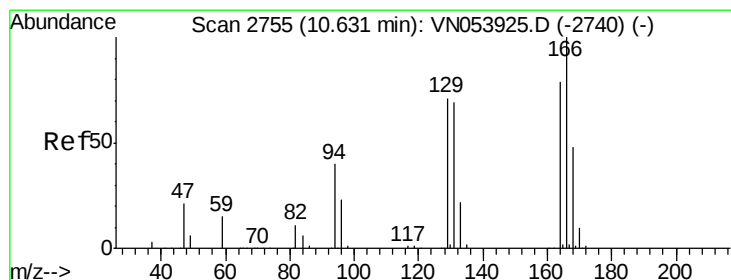
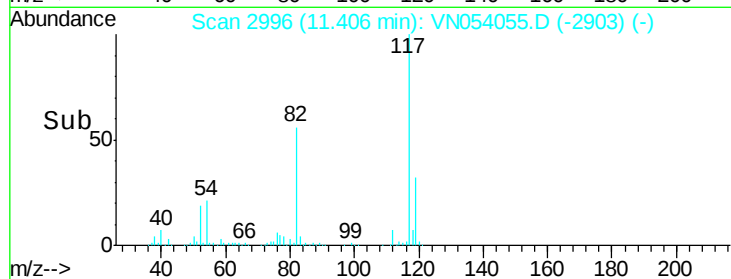
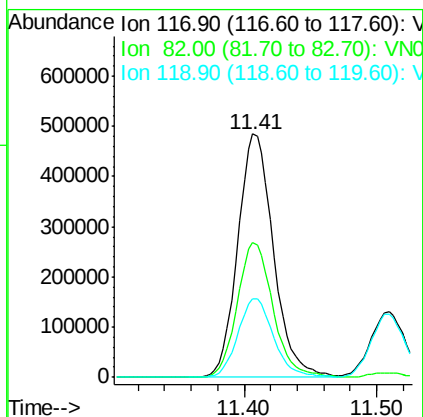
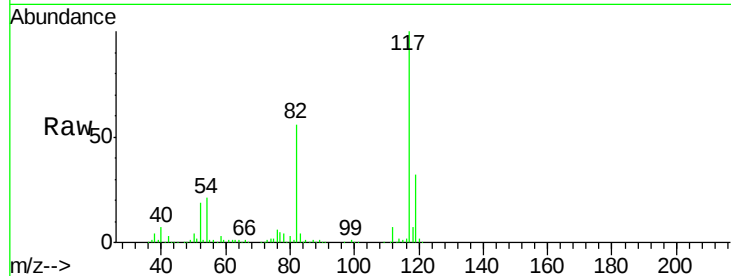




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

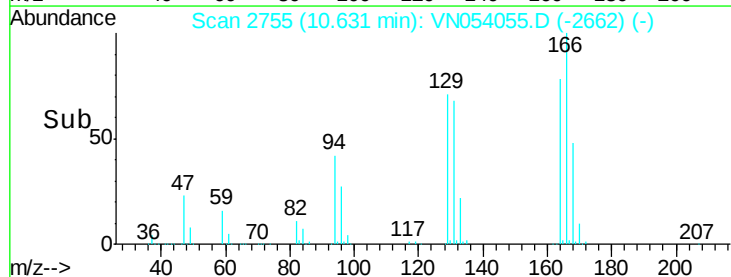
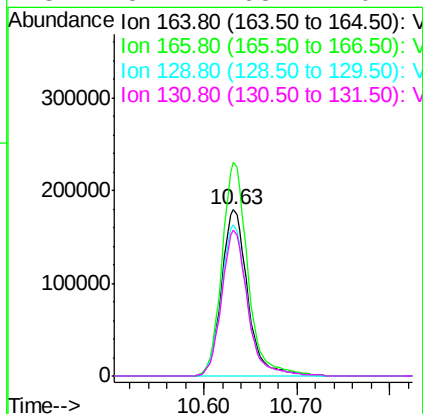
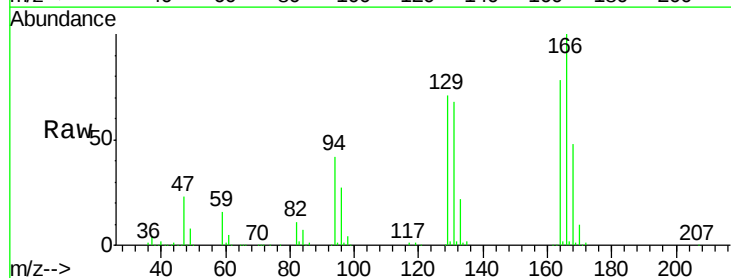
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 907706
Ion Ratio Lower Upper
117 100
82 55.6 41.4 62.2
119 32.5 25.3 37.9



#64
Tetrachloroethene
Concen: 45.524 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion:164 Resp: 349910
Ion Ratio Lower Upper
164 100
166 128.5 102.6 153.8
129 91.0 69.4 104.0
131 87.7 68.1 102.1

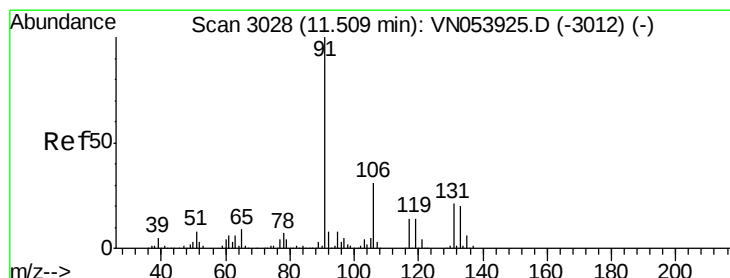
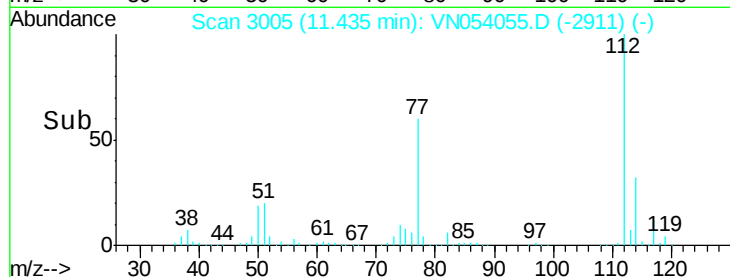
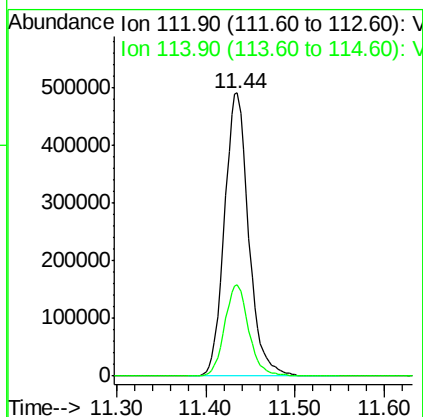
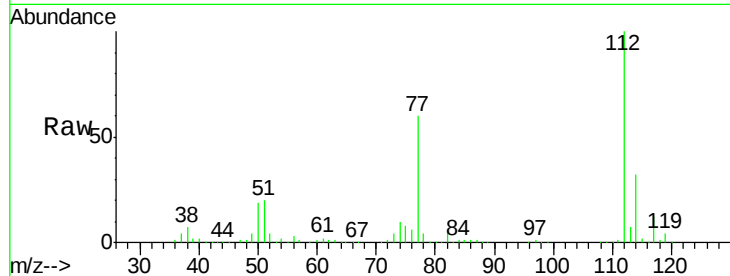




#65
Chlorobenzene
Concen: 48.087 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

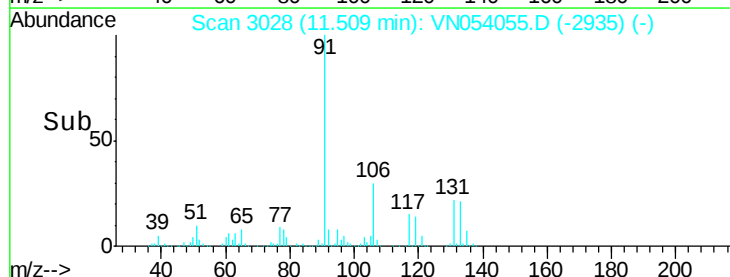
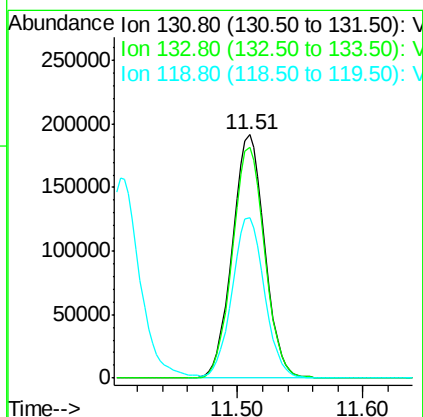
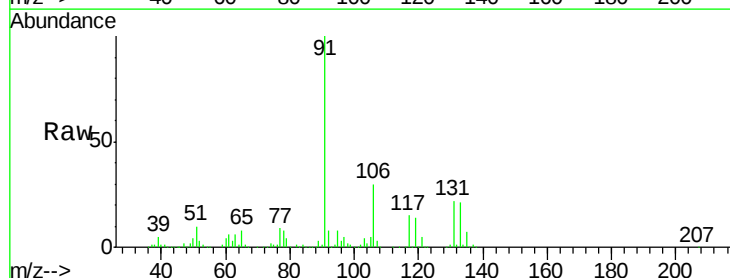
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

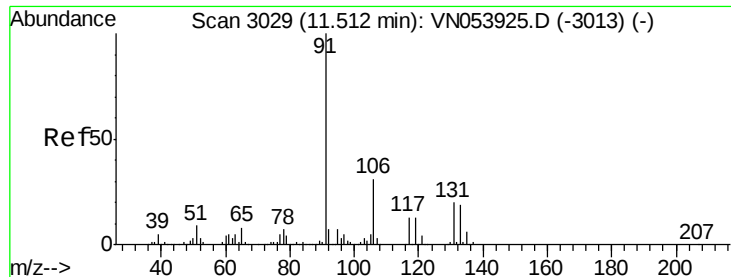
Tot Ion:112 Resp: 921199
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.577 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion:131 Resp: 342288
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 66.1 33.1 99.3

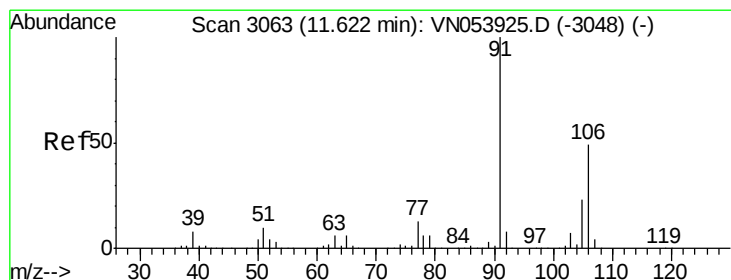
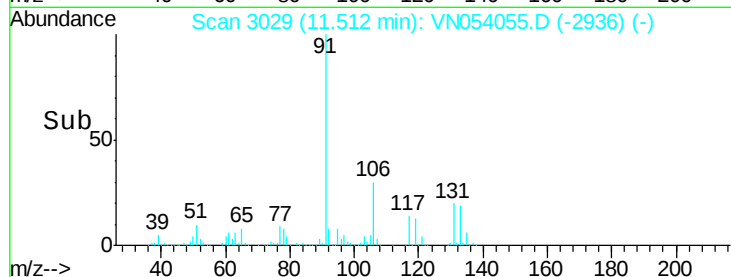
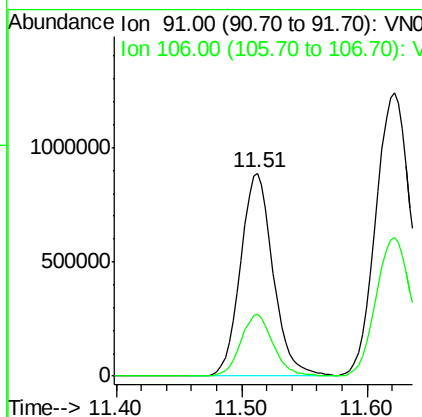
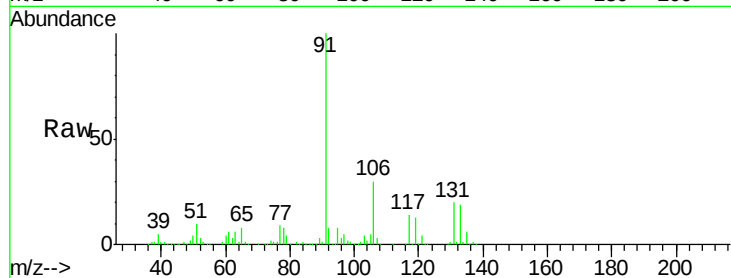




#67
Ethyl Benzene
Concen: 49.988 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

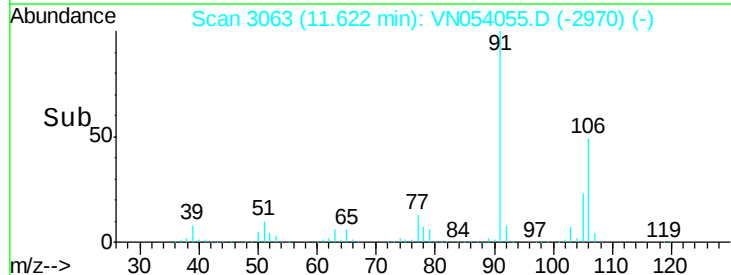
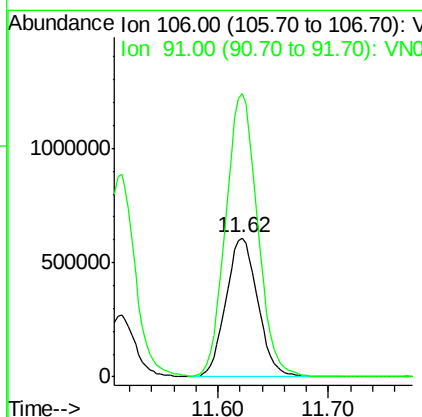
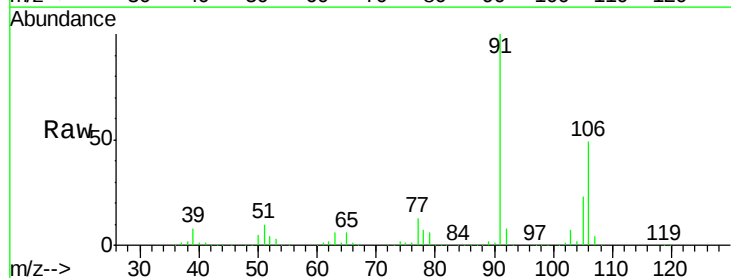
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

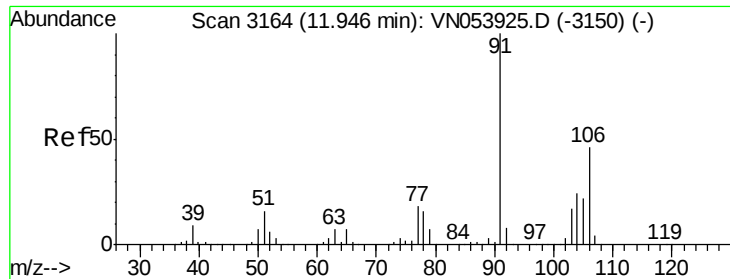
Tot Ion: 91 Resp: 1605368
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8



#68
m/p-Xylenes
Concen: 100.484 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 106 Resp: 1217959
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3

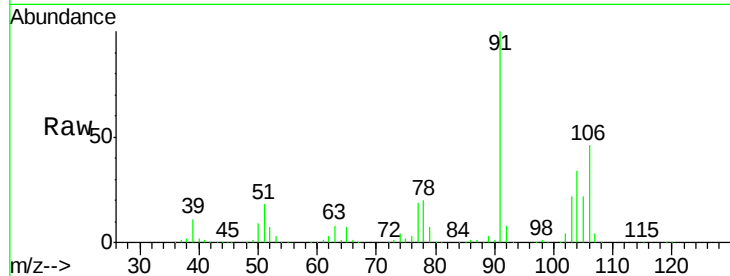




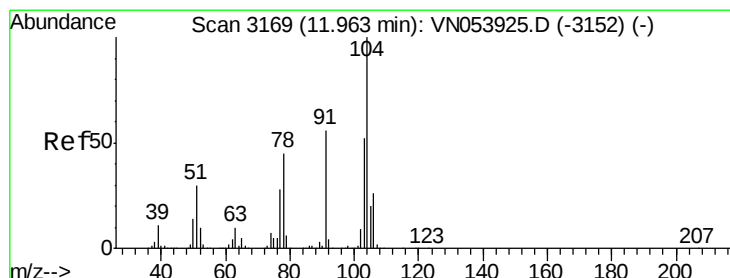
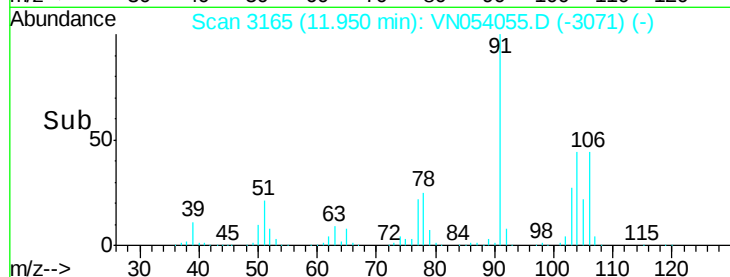
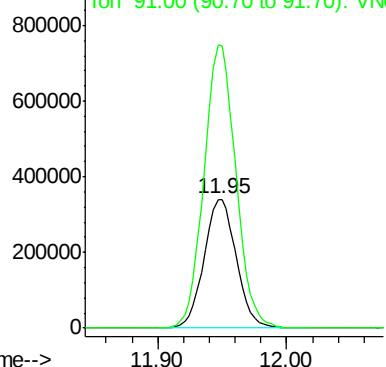
#69
o-Xylene
Concen: 49.521 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 589782
Ion Ratio Lower Upper
106 100
91 217.7 106.0 318.0

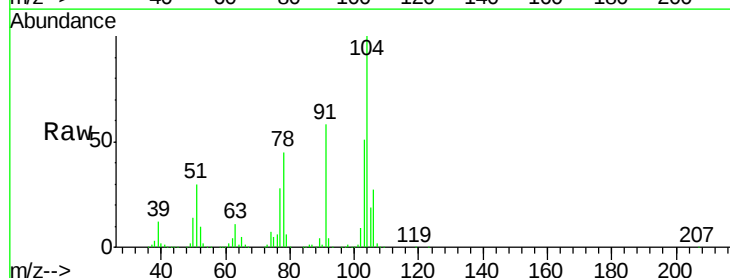


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

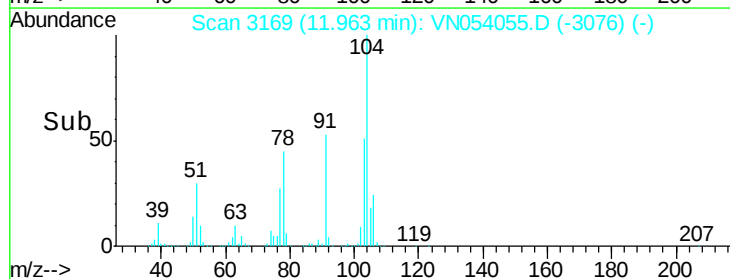
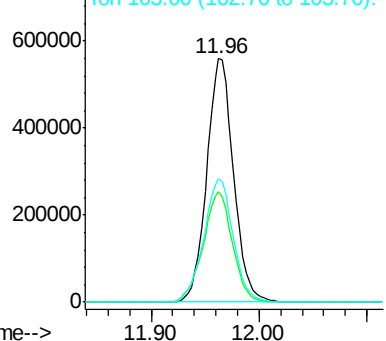


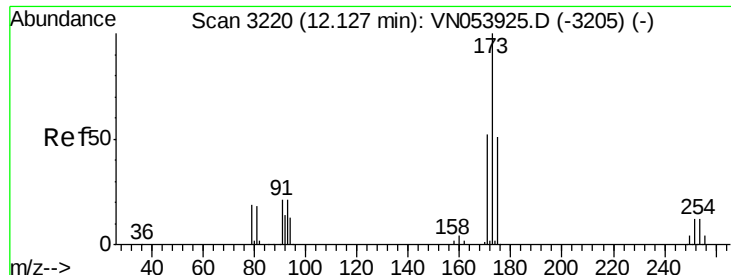
#70
Styrene
Concen: 52.850 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion:104 Resp: 968146
Ion Ratio Lower Upper
104 100
78 49.4 38.1 57.1
103 55.5 44.6 67.0



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





#71

Bromoform

Concen: 49.710 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

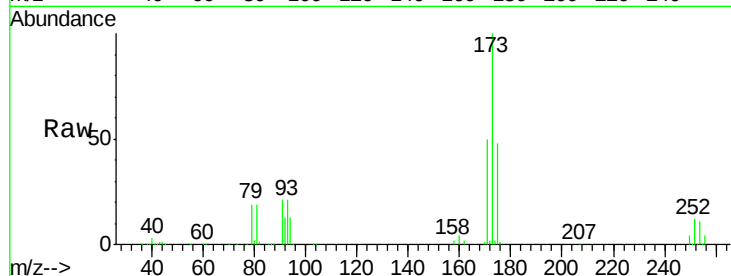
Tot Ion:173 Resp: 238767

Ion Ratio Lower Upper

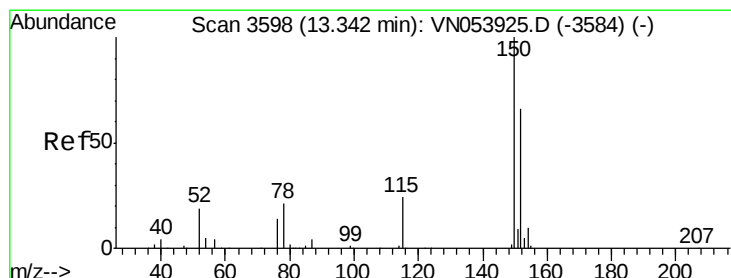
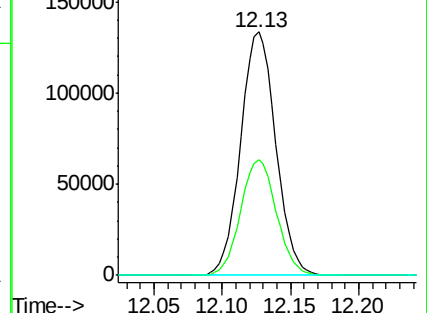
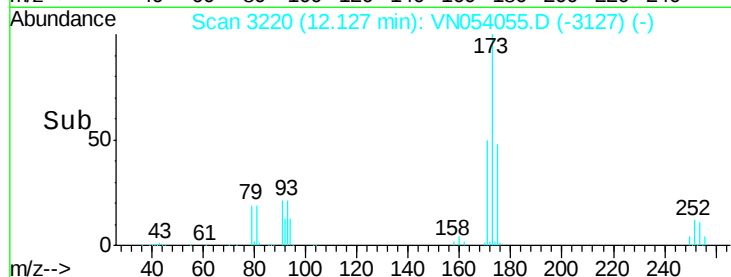
173 100

175 48.4 24.3 72.8

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

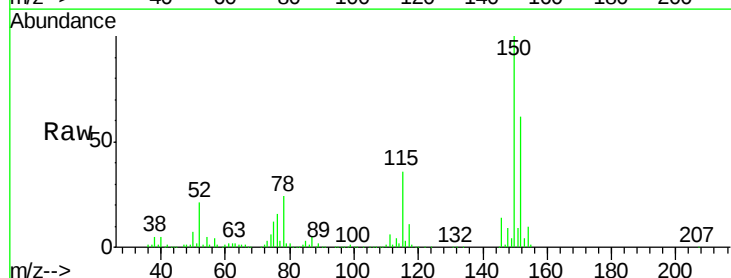
Tgt Ion:152 Resp: 416828

Ion Ratio Lower Upper

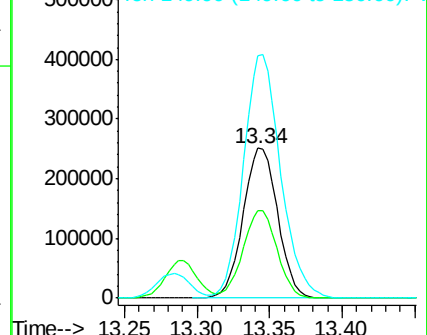
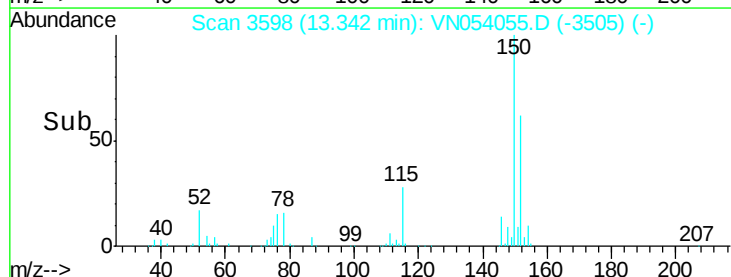
152 100

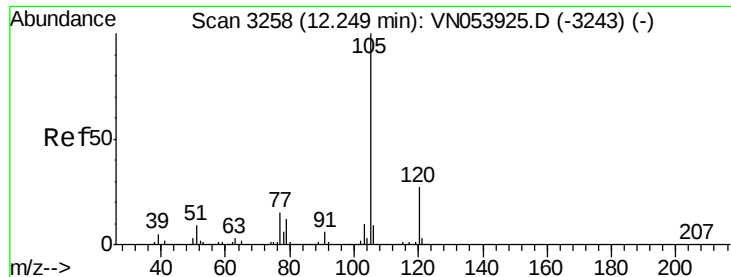
115 57.3 27.2 81.6

150 173.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.479 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

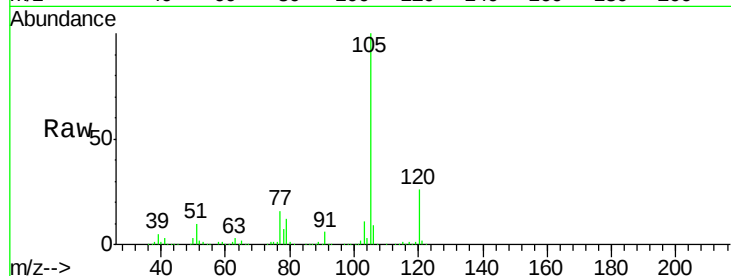
VSTDCCC050EC

Tot Ion:105 Resp: 1540566

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

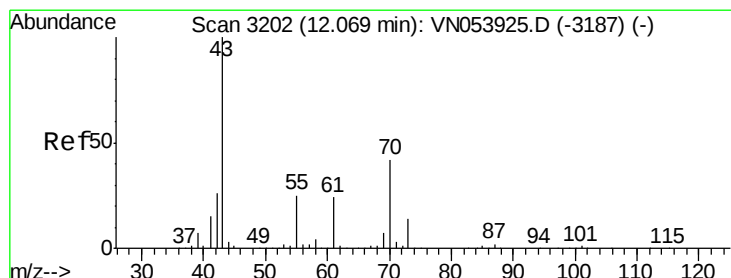
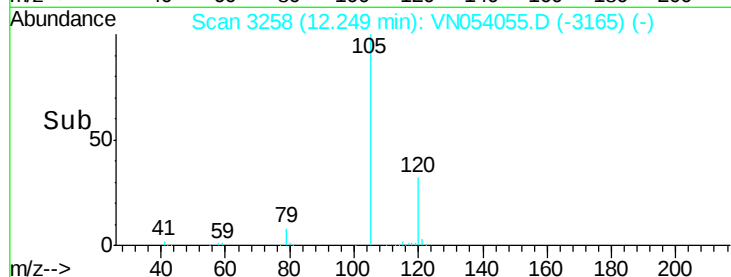
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 56.929 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion: 43 Resp: 484139

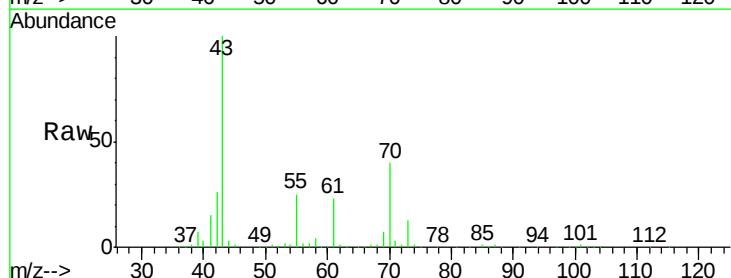
Ion Ratio Lower Upper

43 100

70 40.8 37.4 56.2

55 25.1 21.4 32.0

61 23.1 20.9 31.3



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

12.07

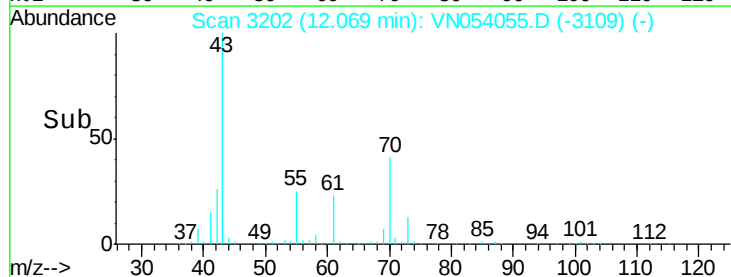
300000

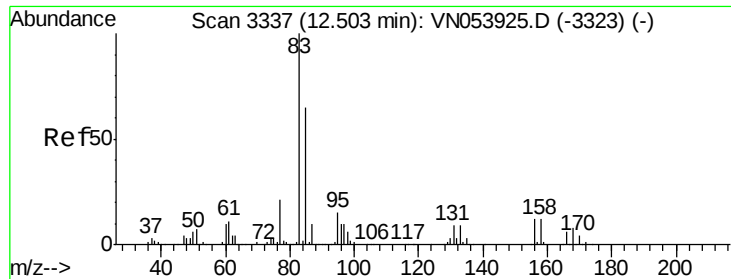
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.369 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

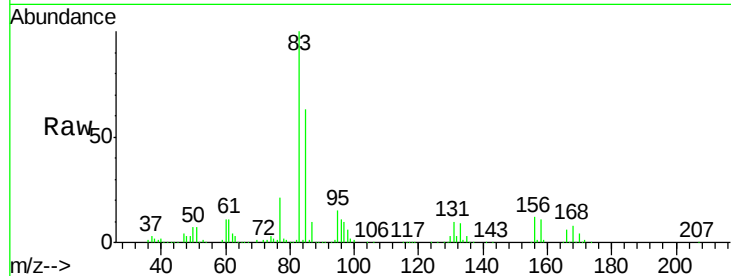
Tot Ion: 83 Resp: 400583

Ion Ratio Lower Upper

83 100

131 9.9 5.3 16.1

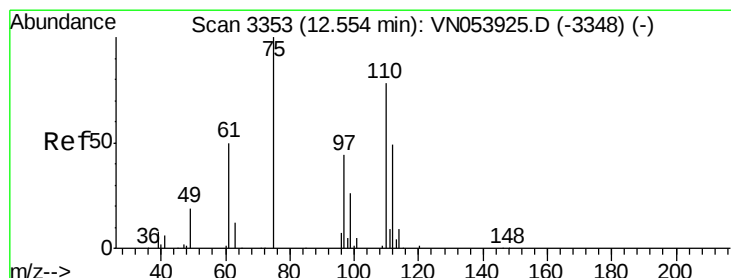
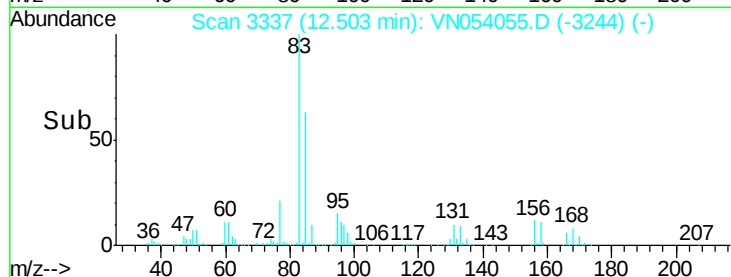
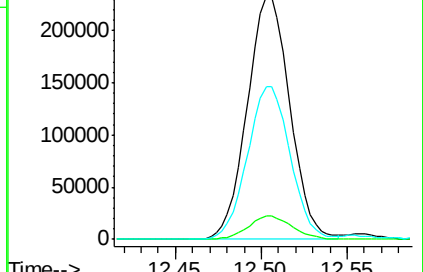
85 63.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.263 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054055.D

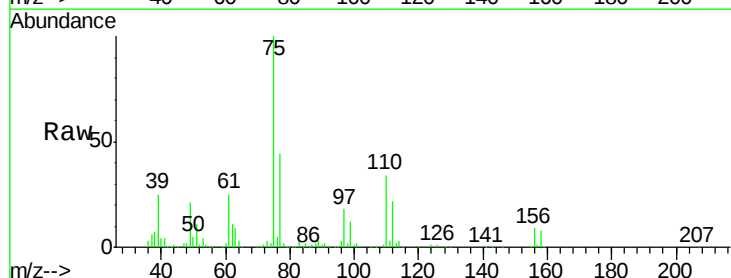
Acq: 2 Mar 2019 2:50

Tgt Ion: 75 Resp: 483199

Ion Ratio Lower Upper

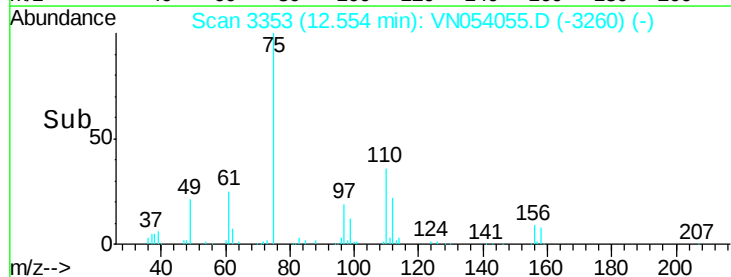
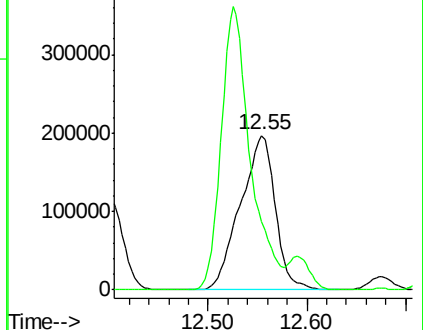
75 100

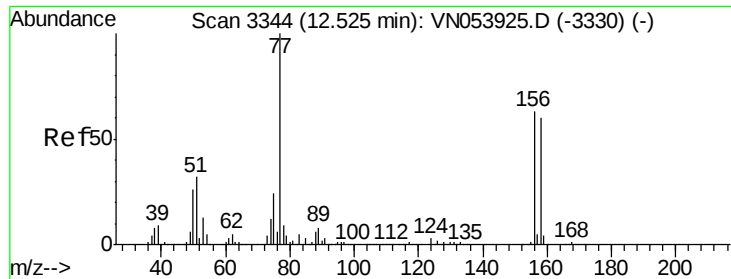
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.840 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

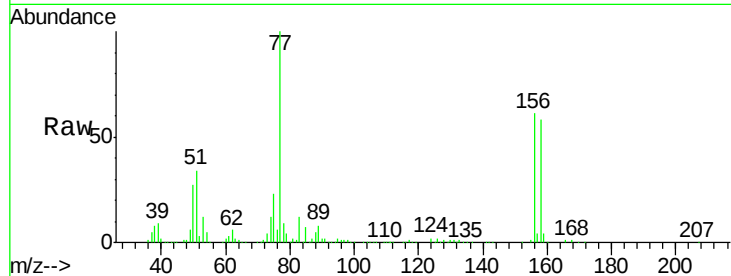
Tot Ion:156 Resp: 394114

Ion Ratio Lower Upper

156 100

77 190.2 84.0 252.2

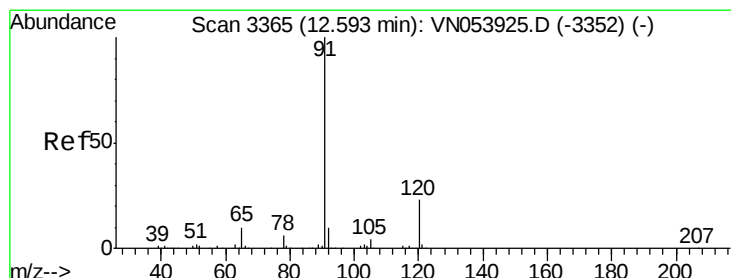
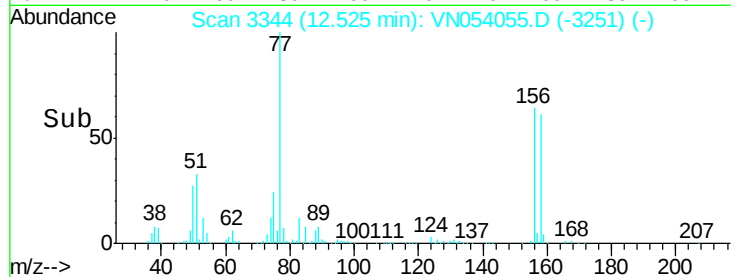
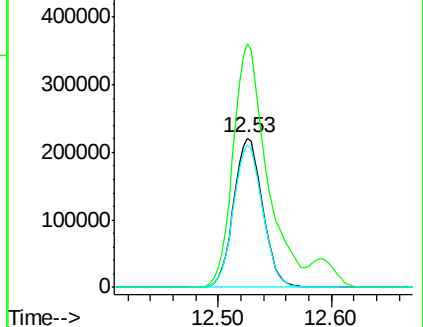
158 95.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.083 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054055.D

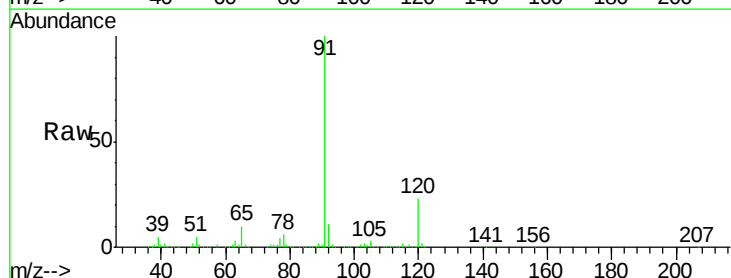
Acq: 2 Mar 2019 2:50

Tgt Ion: 91 Resp: 1811205

Ion Ratio Lower Upper

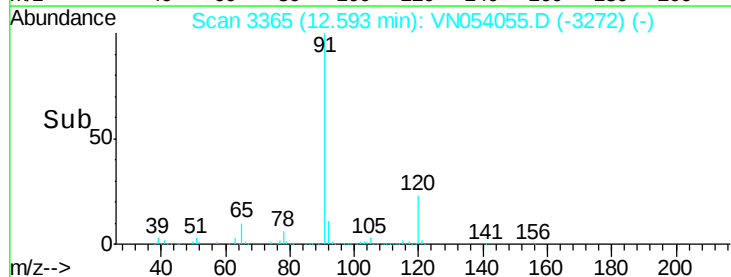
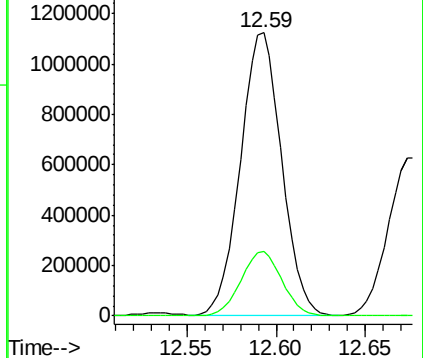
91 100

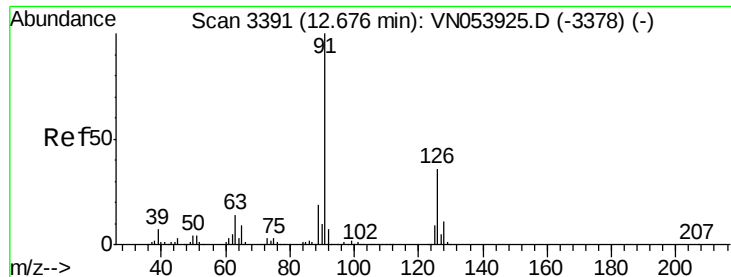
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.374 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

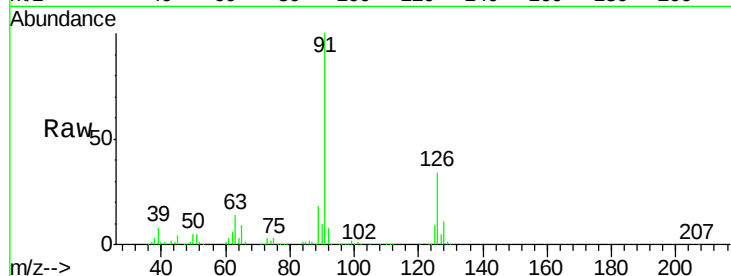
VSTDCCC050EC

Tot Ion: 91 Resp: 1072322

Ion Ratio Lower Upper

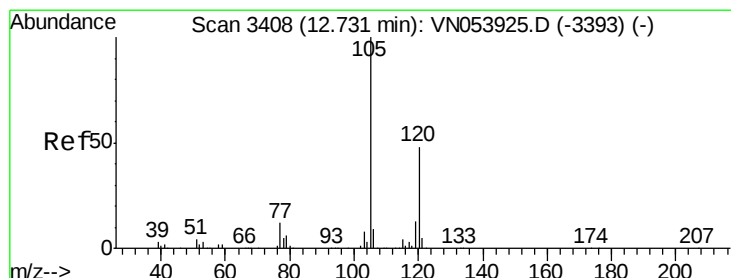
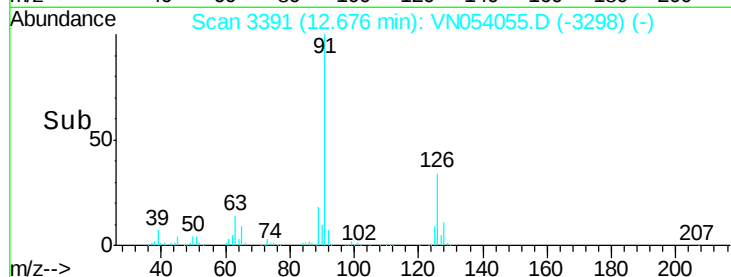
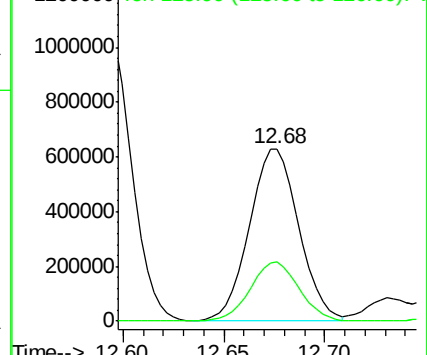
91 100

126 34.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.832 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054055.D

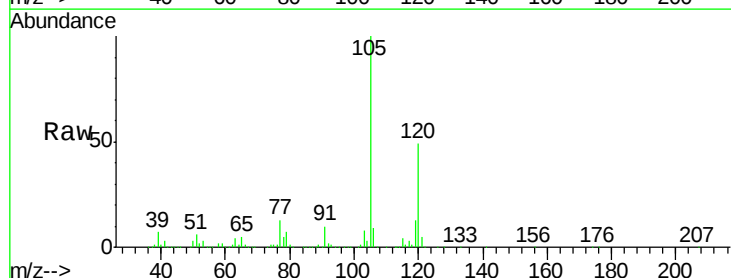
Acq: 2 Mar 2019 2:50

Tgt Ion:105 Resp: 1297158

Ion Ratio Lower Upper

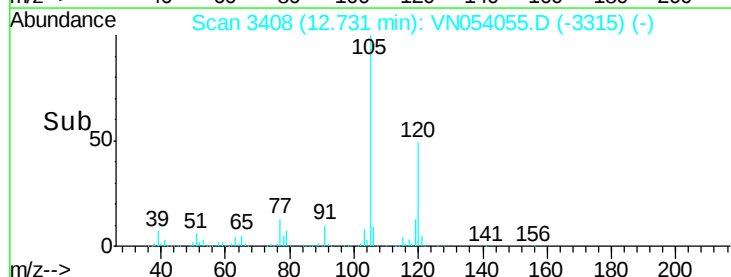
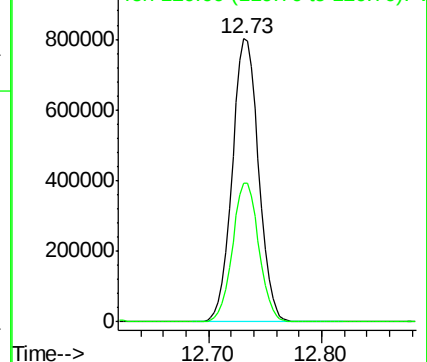
105 100

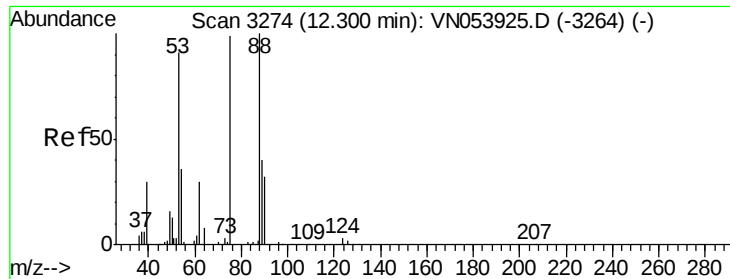
120 49.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

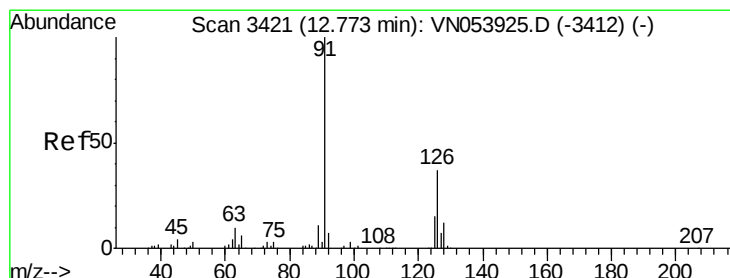
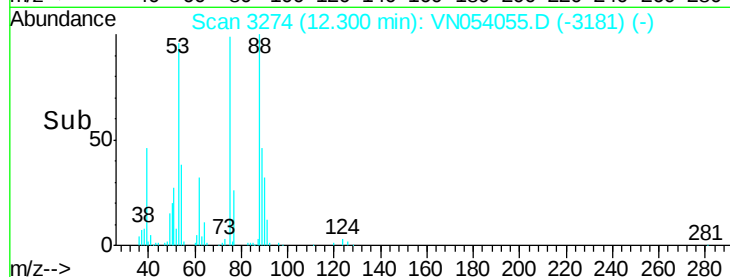
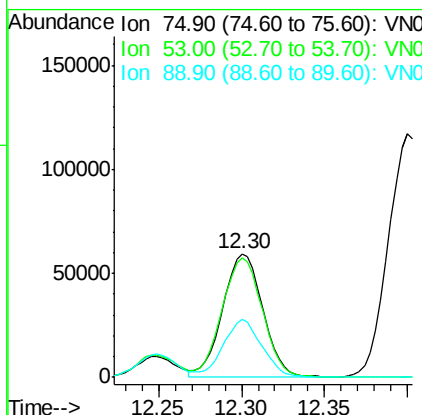
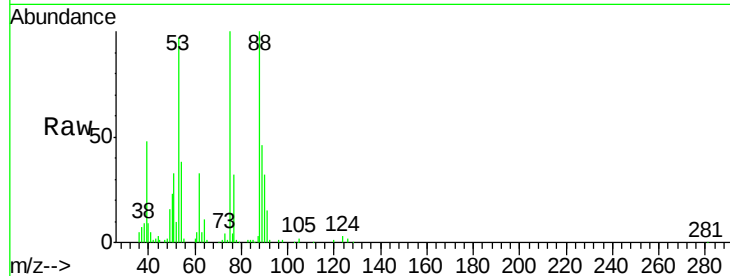




#81
trans-1,4-Dichloro-2-butene
Concen: 47.588 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

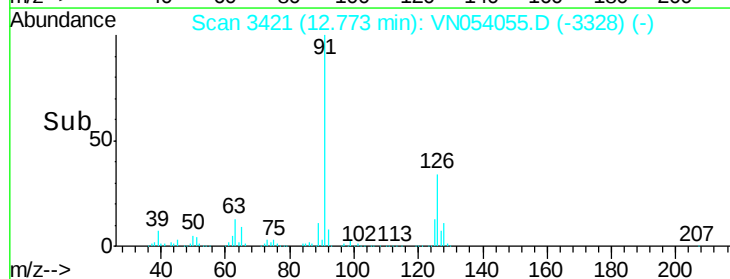
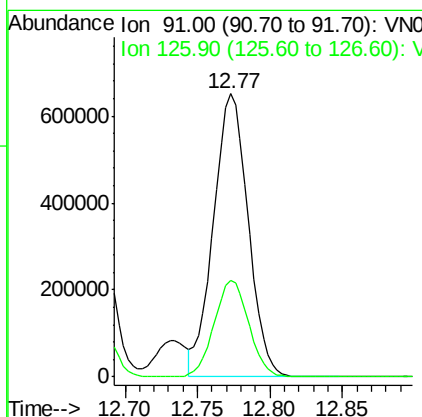
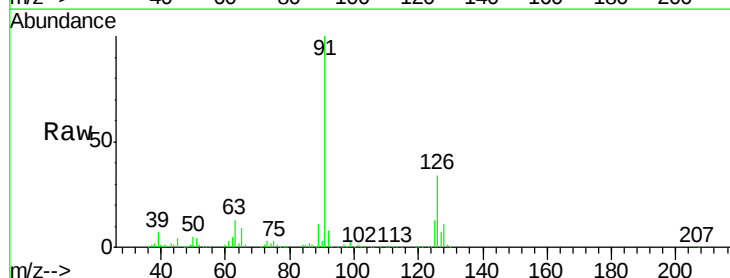
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

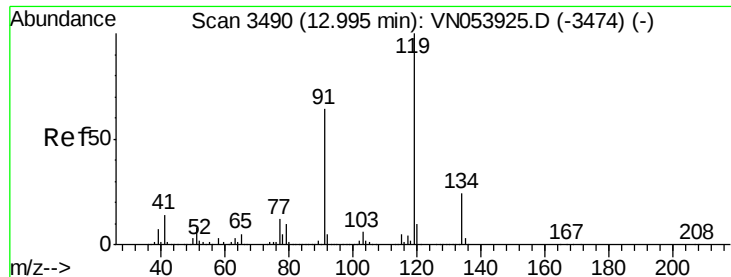
Tot Ion: 75 Resp: 100678
Ion Ratio Lower Upper
75 100
53 97.5 68.6 102.8
89 44.7 35.3 52.9



#82
4-Chlorotoluene
Concen: 49.274 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 91 Resp: 1079522
Ion Ratio Lower Upper
91 100
126 33.9 18.0 54.0

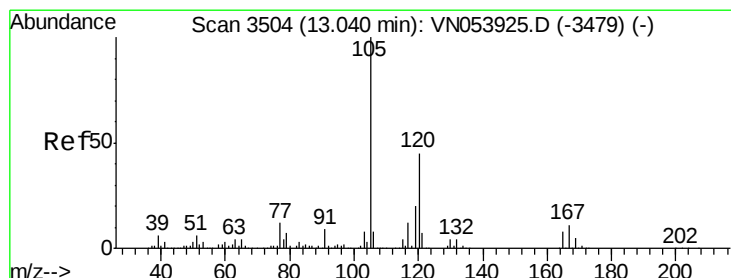
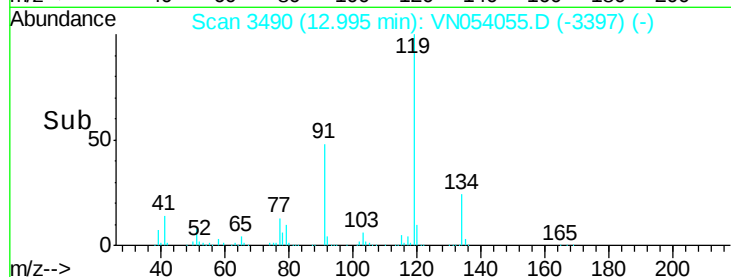
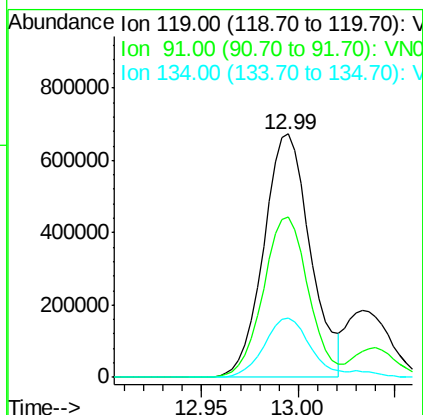
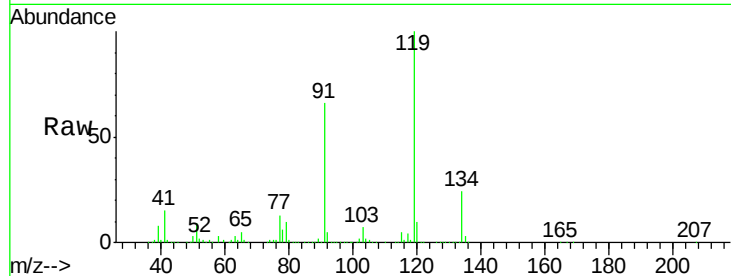




#83
tert-Butylbenzene
Concen: 48.247 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

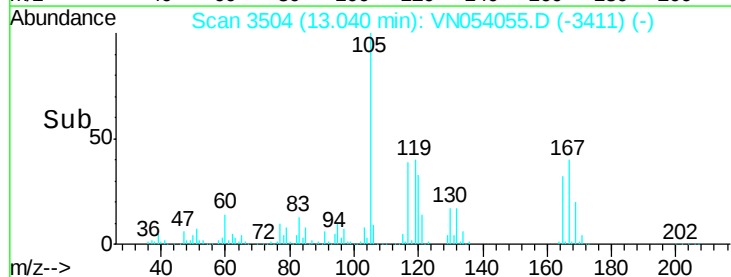
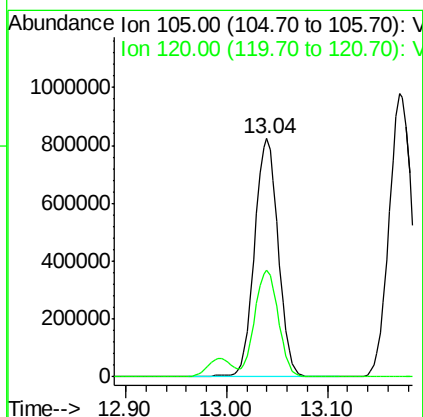
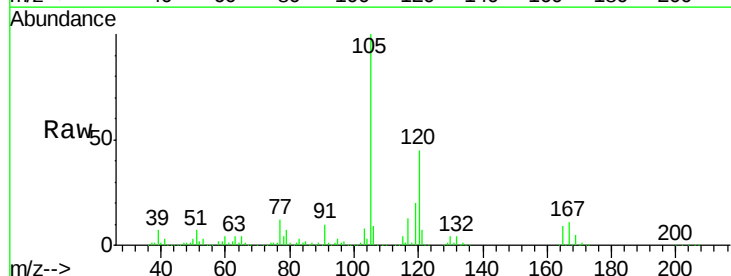
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

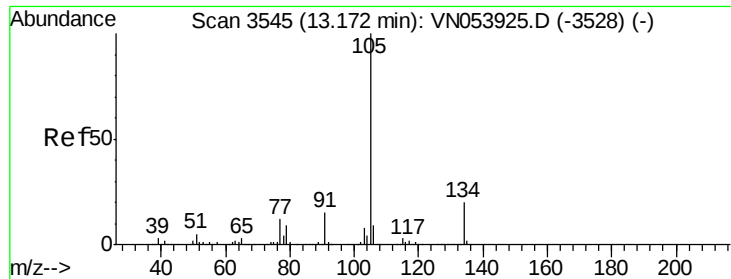
Tot Ion:119 Resp: 1133509
Ion Ratio Lower Upper
119 100
91 63.7 30.6 91.8
134 25.8 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 50.219 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion:105 Resp: 1331791
Ion Ratio Lower Upper
105 100
120 44.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.210 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

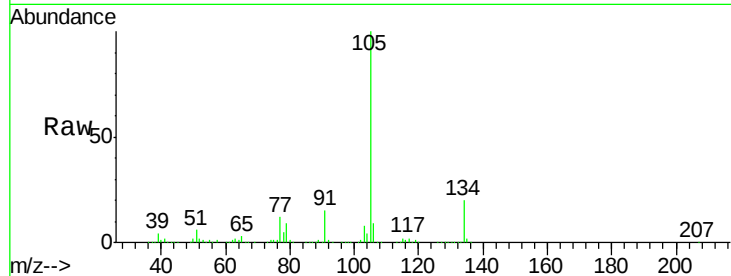
VSTDCCC050EC

Tot Ion:105 Resp: 1546984

Ion Ratio Lower Upper

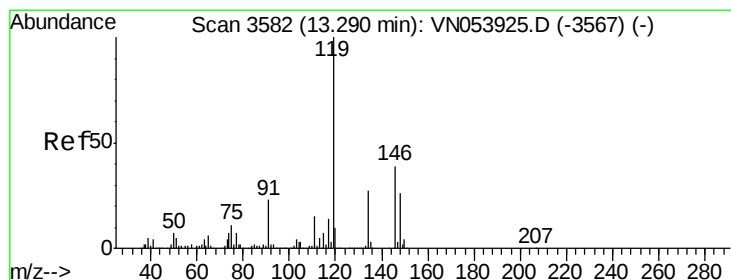
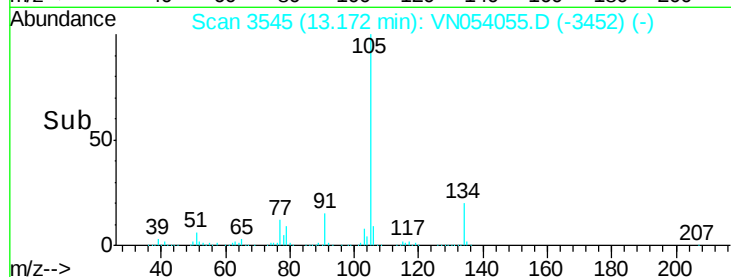
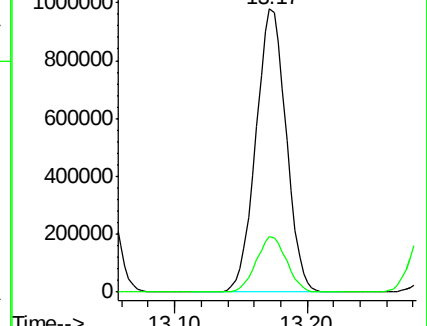
105 100

134 19.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.578 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

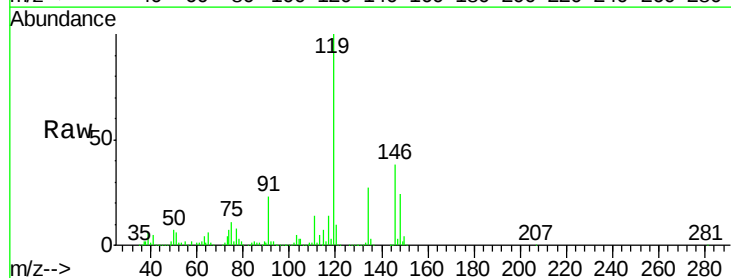
Tgt Ion:119 Resp: 1317759

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

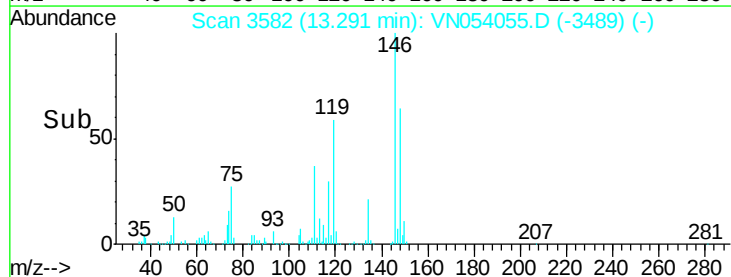
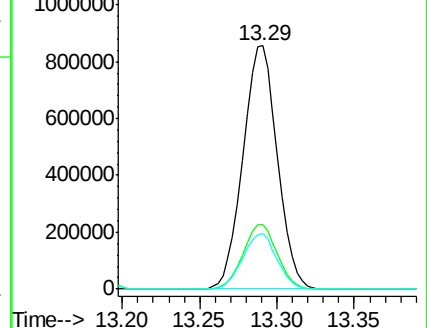
91 22.7 10.9 32.6

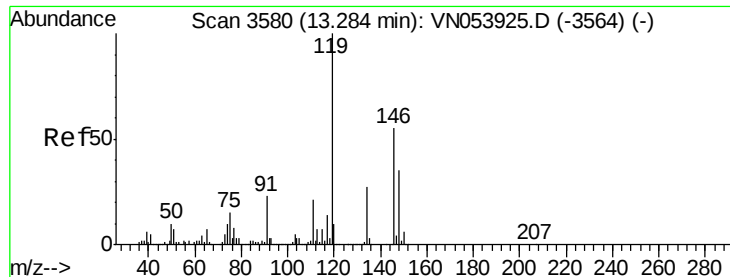


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.130 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

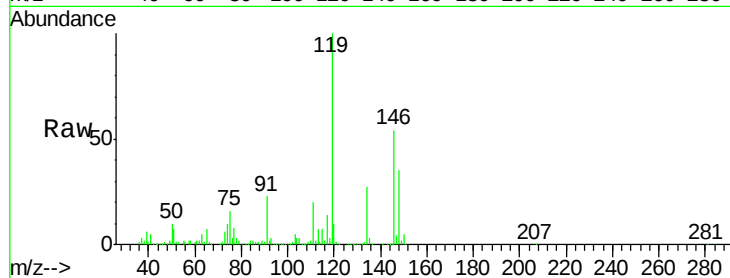
Tot Ion:146 Resp: 685903

Ion Ratio Lower Upper

146 100

111 38.3 18.7 56.1

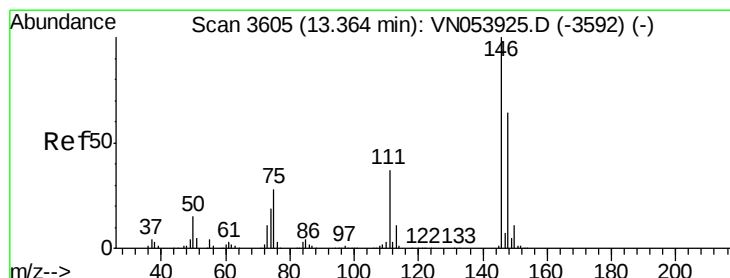
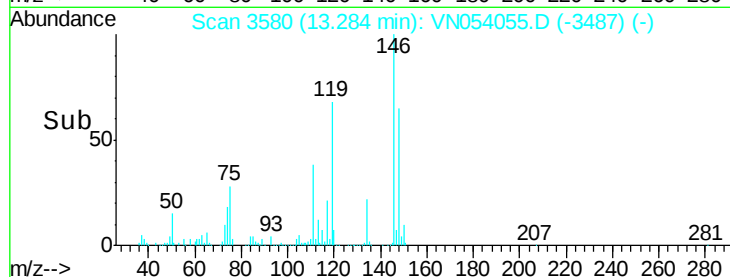
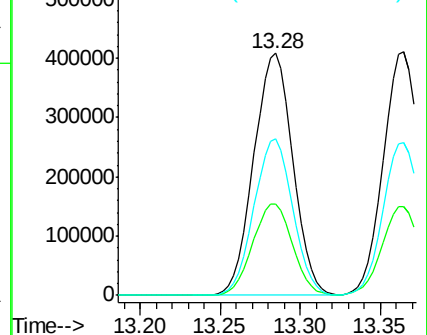
148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.577 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

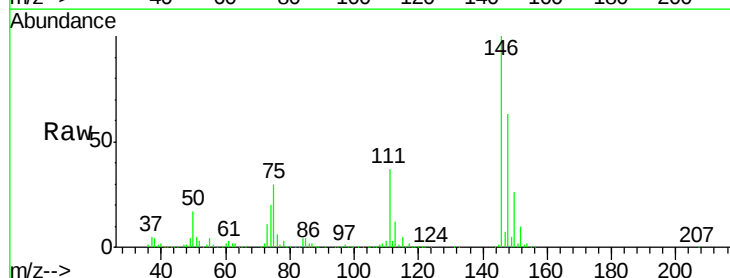
Tgt Ion:146 Resp: 671627

Ion Ratio Lower Upper

146 100

111 37.1 18.0 54.0

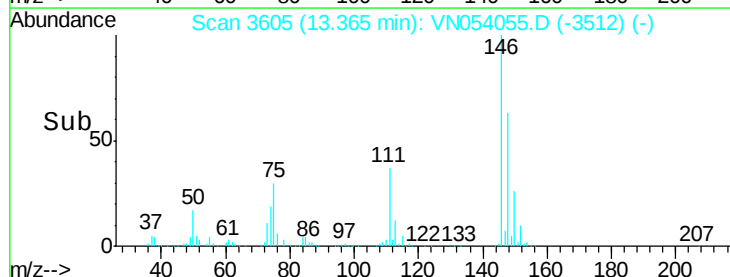
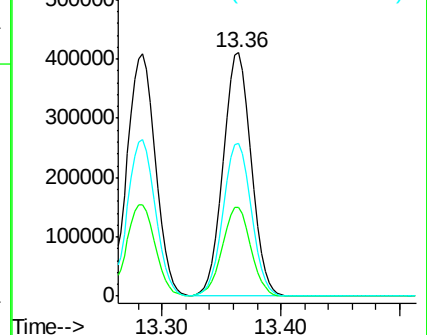
148 63.5 32.1 96.5

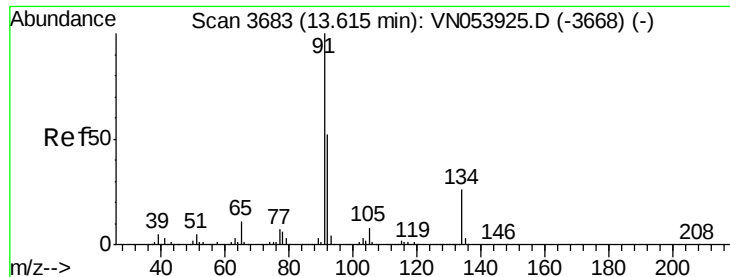


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.333 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

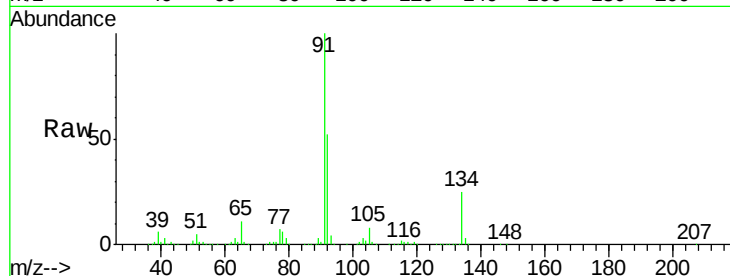
Tot Ion: 91 Resp: 1127829

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

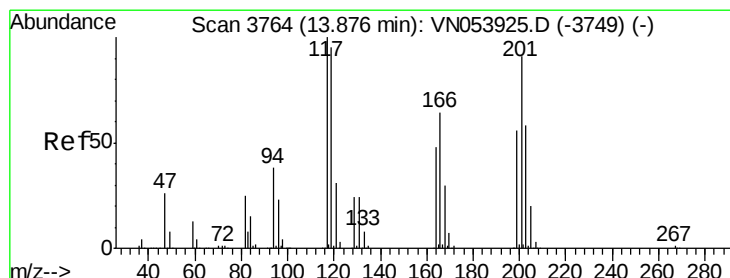
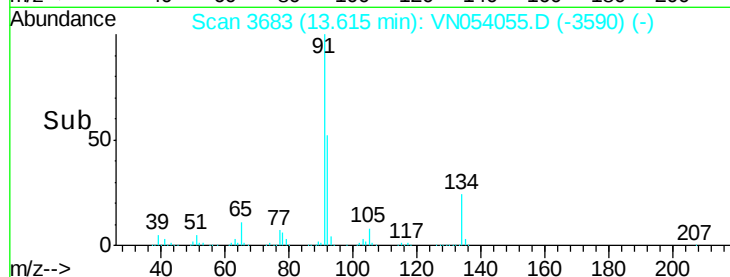
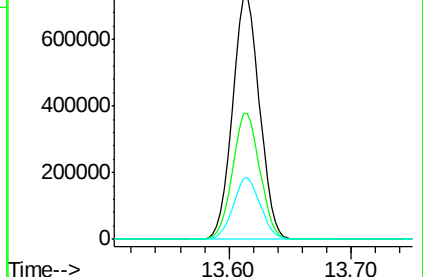
134 25.4 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053925.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053925.D (-3668) (-)



#90

Hexachloroethane

Concen: 45.299 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054055.D

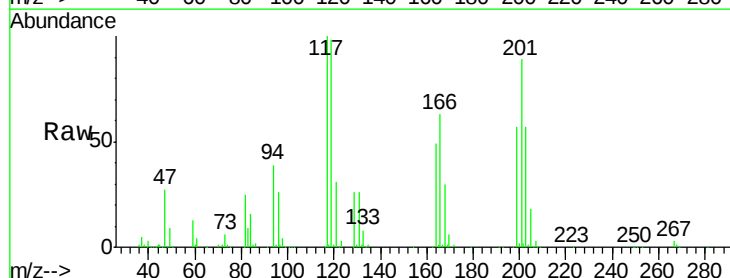
Acq: 2 Mar 2019 2:50

Tgt Ion: 117 Resp: 238123

Ion Ratio Lower Upper

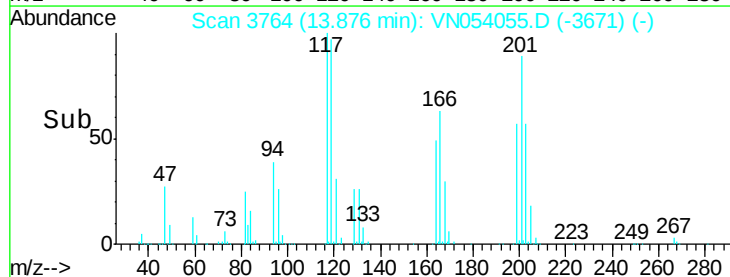
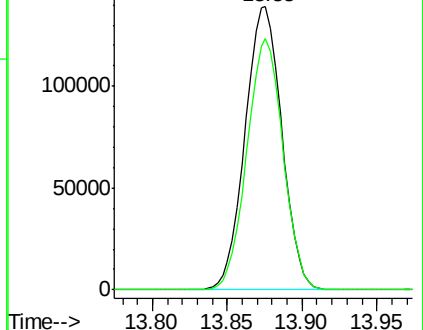
117 100

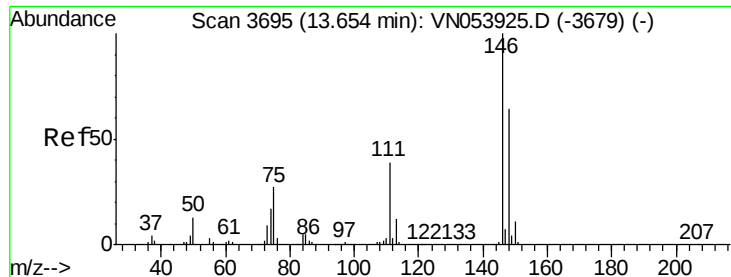
201 87.0 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053925.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.836 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

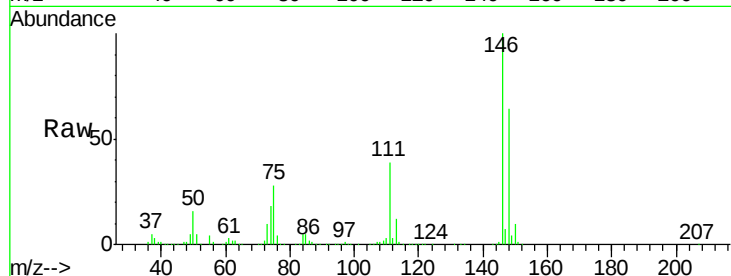
Tot Ion:146 Resp: 673698

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.5

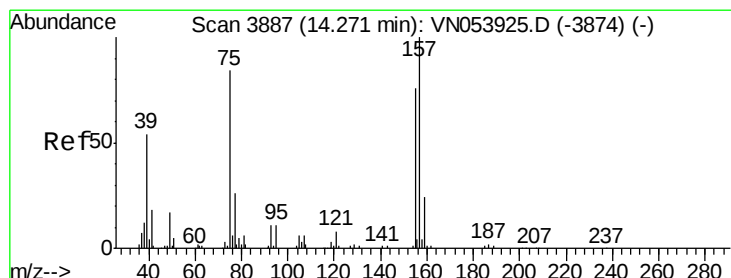
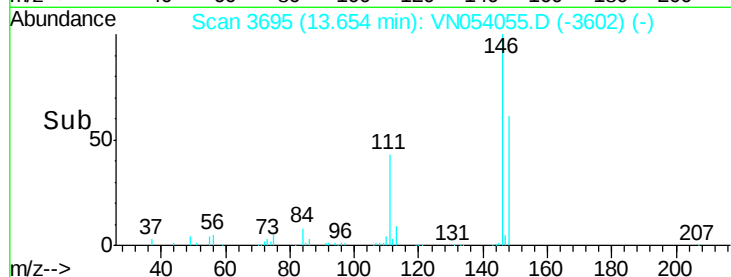
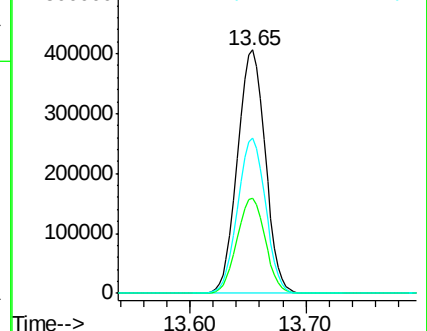
148 63.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.725 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

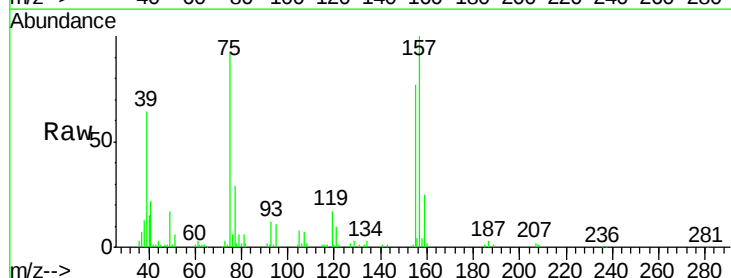
Tgt Ion: 75 Resp: 60457

Ion Ratio Lower Upper

75 100

155 87.1 49.5 148.5

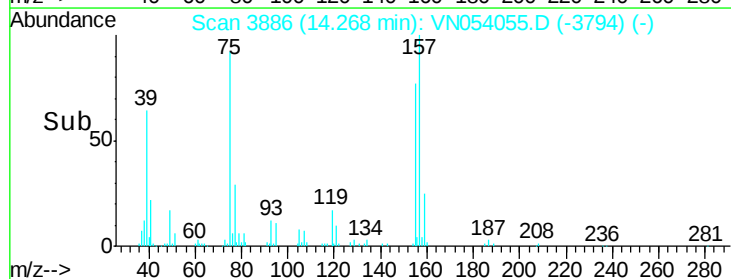
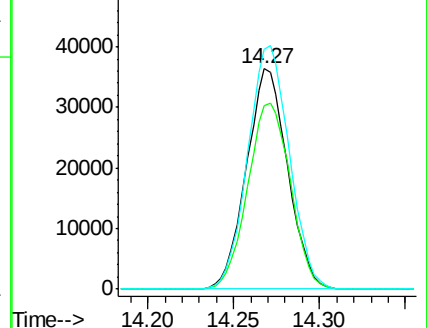
157 111.6 64.8 194.6

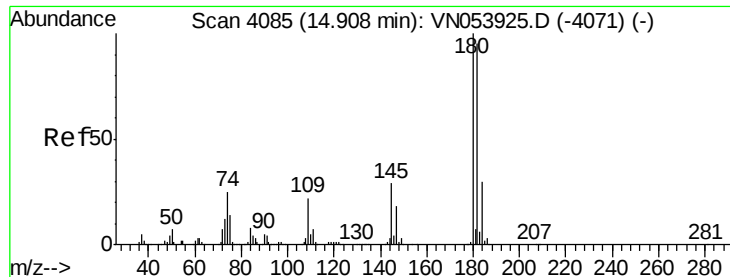


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 44.831 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

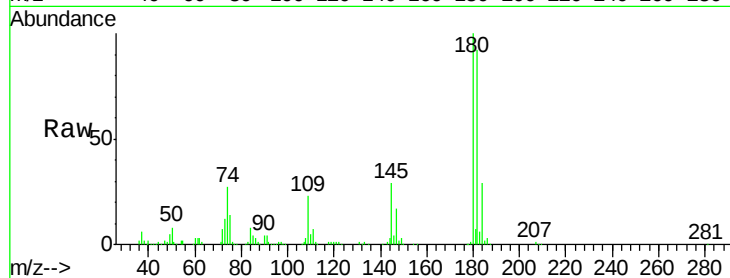
Tot Ion:180 Resp: 341633

Ion Ratio Lower Upper

180 100

182 94.5 48.6 145.9

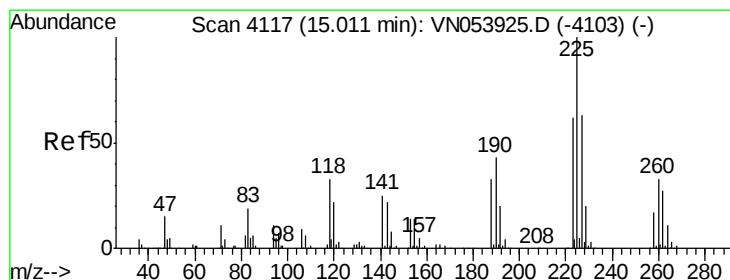
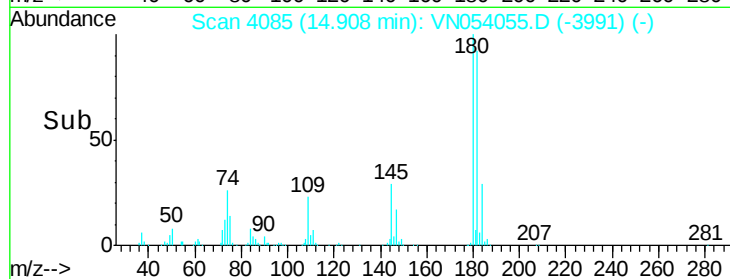
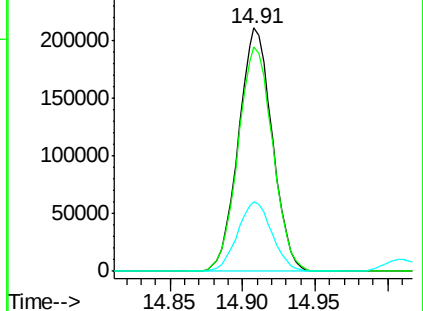
145 29.0 13.8 41.3



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: 43.201 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

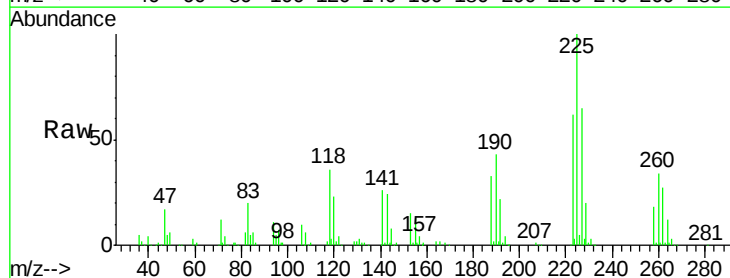
Tgt Ion:225 Resp: 215282

Ion Ratio Lower Upper

225 100

223 62.5 30.9 92.5

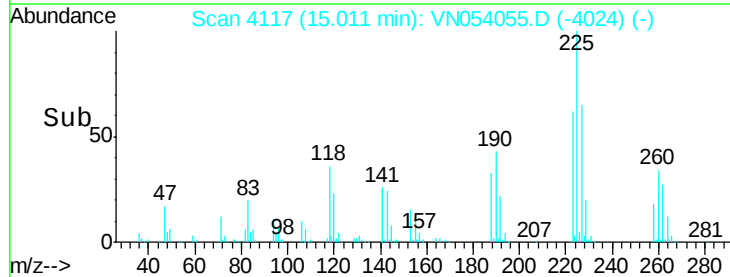
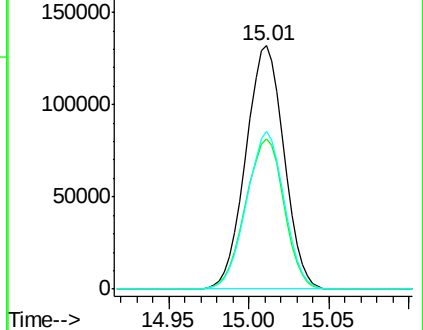
227 63.8 32.5 97.4

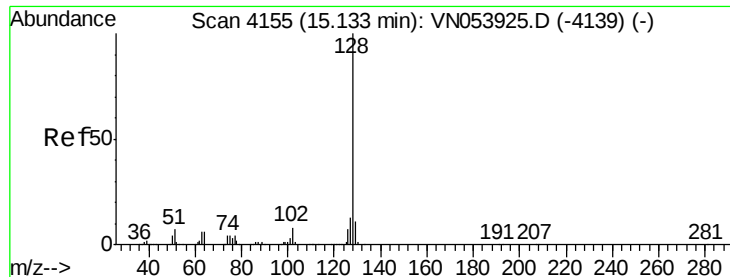


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.831 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

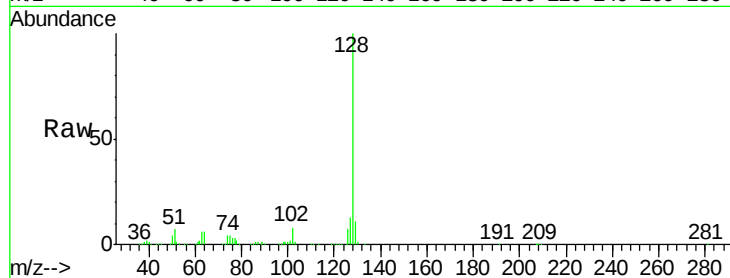
Tot Ion:128 Resp: 734034

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

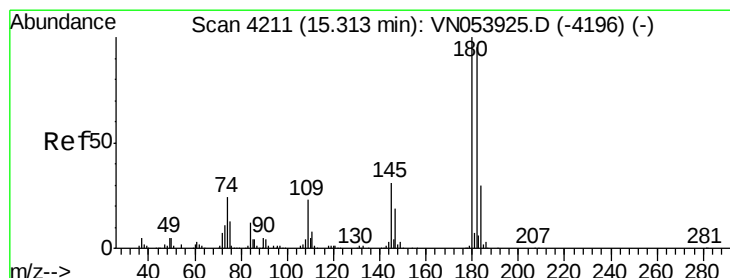
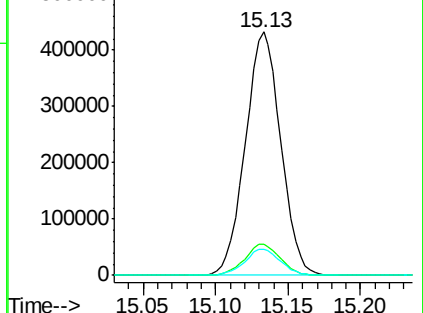
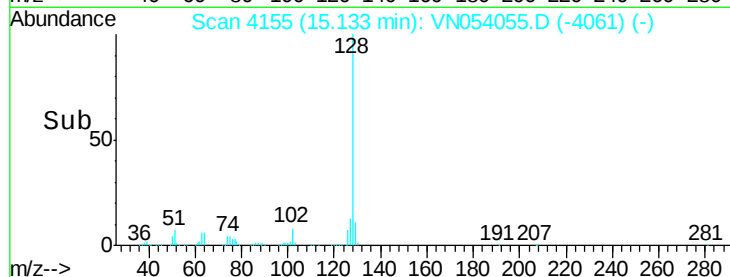
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.476 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

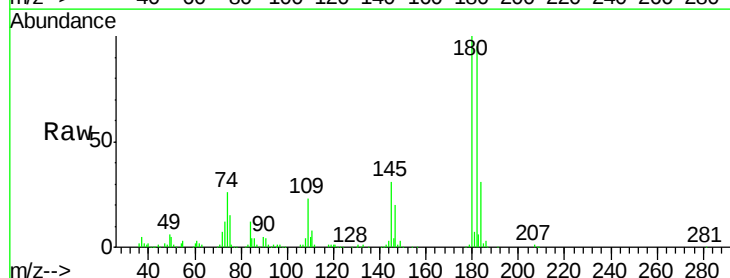
Tgt Ion:180 Resp: 333134

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

145 30.3 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

