

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059090.D
 Acq On : 5 Nov 2019 14:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 06 00:40:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	501111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	702294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	308537	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	7.57	113	236298	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	10.08	98	941204	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	340070	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	221235	40.834	ug/l	99
3) Chloromethane	2.04	50	293025	39.886	ug/l	100
4) Vinyl Chloride	2.17	62	290626	40.755	ug/l	99
5) Bromomethane	2.54	94	169184	40.129	ug/l	98
6) Chloroethane	2.68	64	170876	39.126	ug/l	97
7) Trichlorofluoromethane	3.00	101	353670	41.737	ug/l	99
8) Diethyl Ether	3.38	74	142466	43.052	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	211513	42.348	ug/l	100
10) Methyl Iodide	3.92	142	265287	43.700	ug/l	99
11) Tert butyl alcohol	4.75	59	243111	197.927	ug/l	100
12) 1,1-Dichloroethene	3.71	96	203467	40.962	ug/l	98
13) Acrolein	3.58	56	161135	207.905	ug/l	98
14) Allyl chloride	4.29	41	414134	42.075	ug/l	100
15) Acrylonitrile	4.95	53	642981	208.680	ug/l	99
16) Acetone	3.79	43	709203	211.081	ug/l	100
17) Carbon Disulfide	4.02	76	619041	39.200	ug/l	99
18) Methyl Acetate	4.29	43	325245	38.211	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	724342	42.815	ug/l	100
20) Methylene Chloride	4.52	84	240565	40.900	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	222748	41.771	ug/l	99
22) Diisopropyl ether	5.92	45	825067	44.009	ug/l	97
23) Vinyl Acetate	5.86	43	3393585	227.266	ug/l	100
24) 1,1-Dichloroethane	5.82	63	445534	41.566	ug/l	99
25) 2-Butanone	6.81	43	945177	211.269	ug/l	99
26) 2,2-Dichloropropane	6.80	77	381525	41.009	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	255156	42.495	ug/l	100
28) Bromochloromethane	7.17	49	145144	43.876	ug/l	100
29) Tetrahydrofuran	7.18	42	583499	206.663	ug/l	99
30) Chloroform	7.35	83	427304	41.690	ug/l	96
31) Cyclohexane	7.63	56	409020	40.007	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	366686	42.285	ug/l	99
36) 1,1-Dichloropropene	7.77	75	329939	42.980	ug/l	100
37) Ethyl Acetate	6.90	43	358691	42.053	ug/l	99
38) Carbon Tetrachloride	7.75	117	318231	42.536	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 06 00:40:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	388780	43.816	ug/l	97
40) Benzene	8.02	78	989817	43.447	ug/l	99
41) Methacrylonitrile	7.18	41	513476	139.219	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	339985	42.971	ug/l	100
43) Isopropyl Acetate	8.14	43	568213	42.599	ug/l	98
44) Trichloroethene	8.82	130	241225	43.035	ug/l	99
45) 1,2-Dichloropropane	9.10	63	268457	43.572	ug/l	99
46) Dibromomethane	9.19	93	163955	43.056	ug/l	99
47) Bromodichloromethane	9.39	83	337899	43.815	ug/l	99
48) Methyl methacrylate	9.18	41	262608	43.179	ug/l	99
49) 1,4-Dioxane	9.18	88	92995	937.365	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1773026	228.819	ug/l	99
52) Toluene	10.15	92	604123	45.256	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	386418	43.333	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	423323	45.006	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	235543	43.316	ug/l	100
56) Ethyl methacrylate	10.42	69	375260	41.024	ug/l	99
57) 1,3-Dichloropropane	10.70	76	415114	43.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	476618	138.520	ug/l	100
59) 2-Hexanone	10.74	43	1350518	229.422	ug/l	100
60) Dibromochloromethane	10.90	129	254928	43.501	ug/l	98
61) 1,2-Dibromoethane	11.00	107	238930	43.373	ug/l	98
64) Tetrachloroethene	10.63	164	215291	43.885	ug/l	99
65) Chlorobenzene	11.43	112	625871	43.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232165	43.779	ug/l	99
67) Ethyl Benzene	11.51	91	1151205	46.137	ug/l	100
68) m/p-Xylenes	11.62	106	857241	92.005	ug/l	100
69) o-Xylene	11.95	106	409499	46.026	ug/l	98
70) Styrene	11.96	104	672276	46.628	ug/l	99
71) Bromoform	12.13	173	185104	45.095	ug/l #	99
73) Isopropylbenzene	12.25	105	1105768	44.675	ug/l	100
74) N-amyl acetate	12.07	43	481982	43.775	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	358714	40.685	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	484138	60.808	ug/l #	100
77) Bromobenzene	12.53	156	267949	43.295	ug/l	97
78) n-propylbenzene	12.59	91	1302716	45.443	ug/l	100
79) 2-Chlorotoluene	12.68	91	773008	43.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	937904	44.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128433	41.353	ug/l	96
82) 4-Chlorotoluene	12.78	91	789852	43.478	ug/l	100
83) tert-Butylbenzene	13.00	119	783329	43.835	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	934299	45.709	ug/l	99
85) sec-Butylbenzene	13.17	105	1061359	45.317	ug/l	100
86) p-Isopropyltoluene	13.29	119	967067	45.800	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	472369	42.958	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470073	43.217	ug/l	100
89) n-Butylbenzene	13.62	91	852322	46.326	ug/l	99
90) Hexachloroethane	13.88	117	177379	42.261	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	464385	42.443	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	73188	38.430	ug/l	100

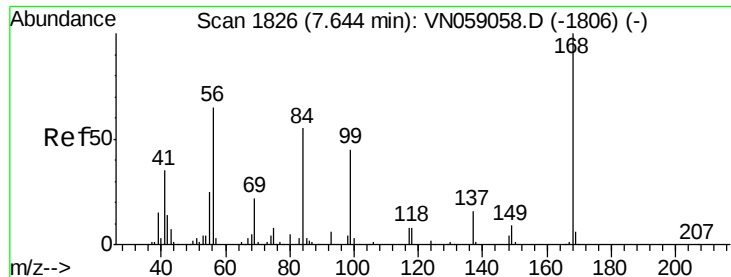
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	272416	46.162	ug/l	100
94) Hexachlorobutadiene	15.01	225	154788	43.703	ug/l	99
95) Naphthalene	15.13	128	721336	39.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	265626	44.226	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

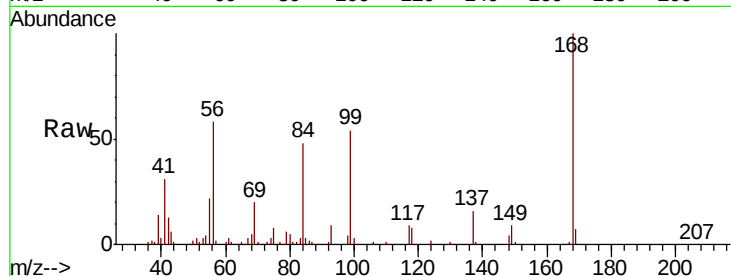
VSTDCCC050EC

Tot Ion:168 Resp: 501111

Ion Ratio Lower Upper

168 100

99 54.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

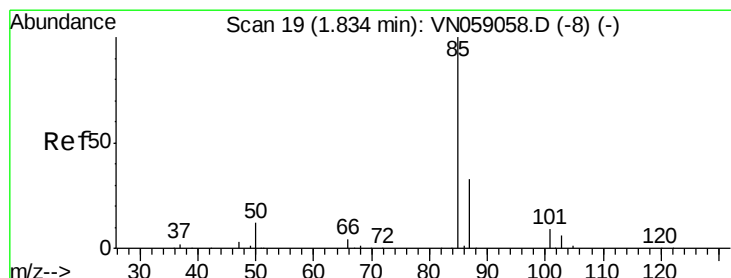
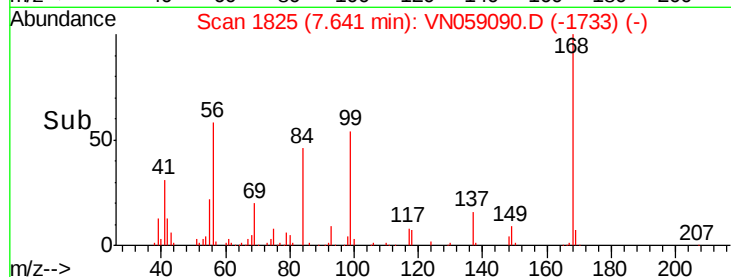
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.834 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059090.D

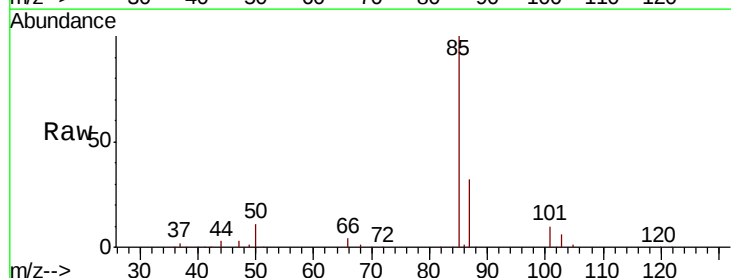
Acq: 5 Nov 2019 14:31

Tgt Ion: 85 Resp: 221235

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

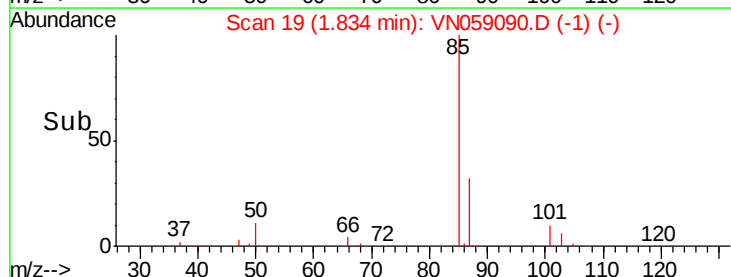
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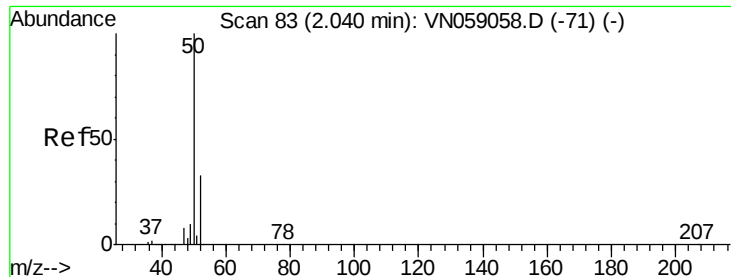
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 39.886 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

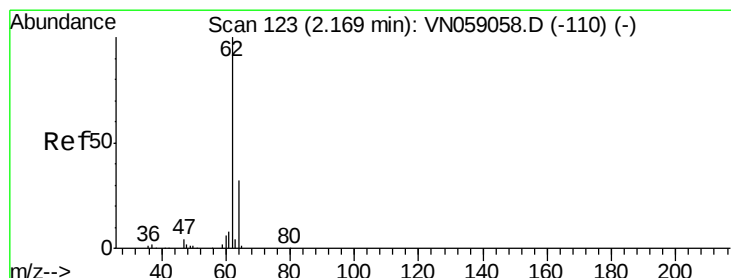
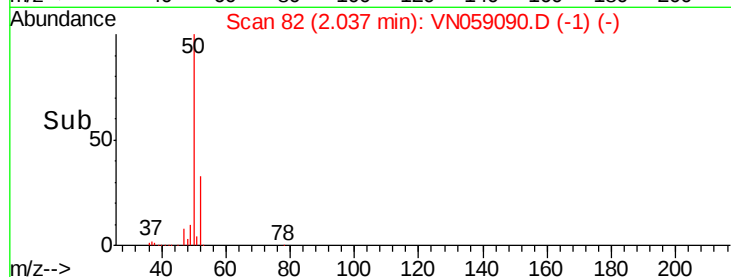
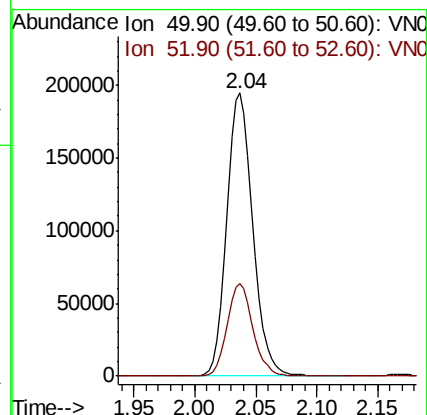
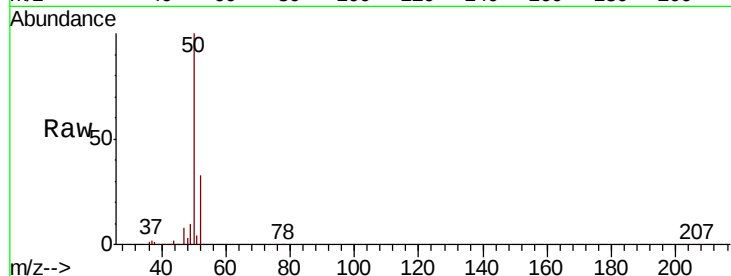
VSTDCCC050EC

Tot Ion: 50 Resp: 293025

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 40.755 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059090.D

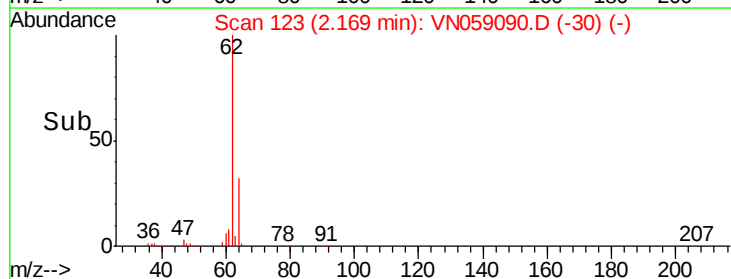
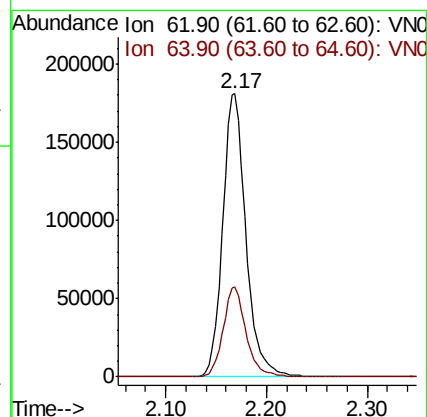
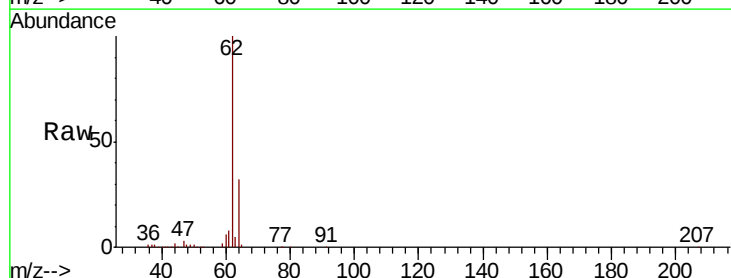
Acq: 5 Nov 2019 14:31

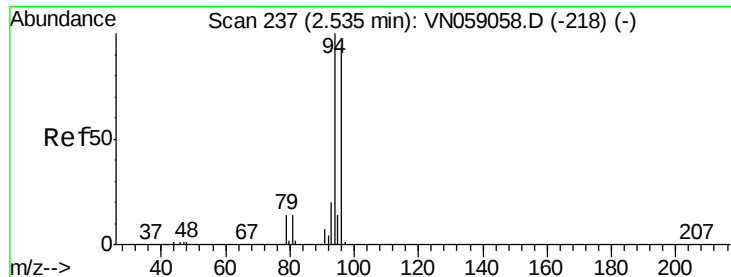
Tgt Ion: 62 Resp: 290626

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 40.129 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

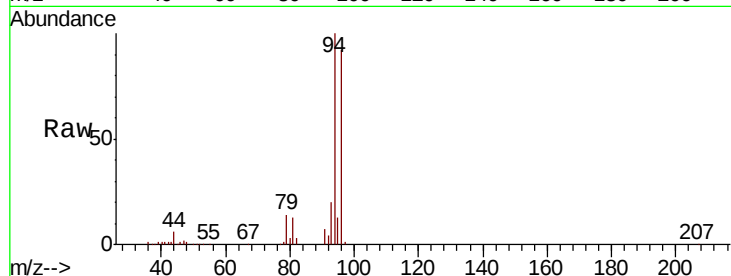
VSTDCCC050EC

Tot Ion: 94 Resp: 169184

Ion Ratio Lower Upper

94 100

96 91.6 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)

2.54

80000

60000

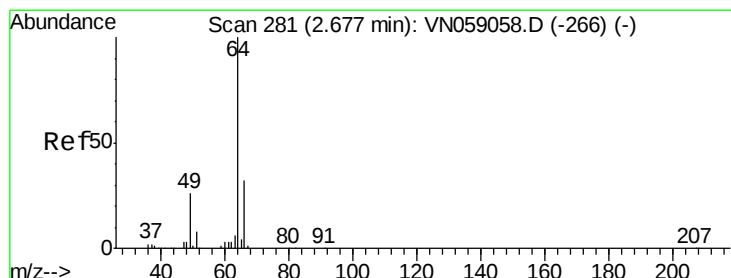
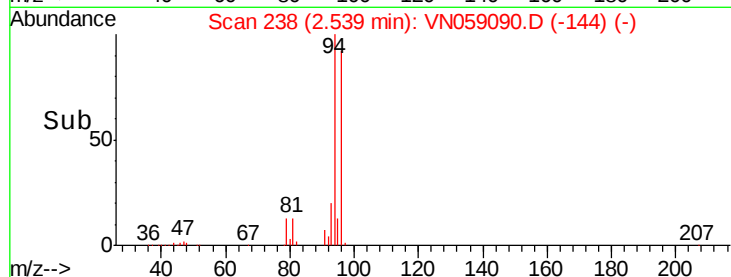
40000

20000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 39.126 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059090.D

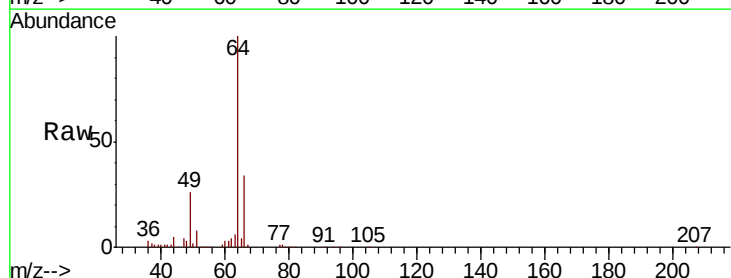
Acq: 5 Nov 2019 14:31

Tgt Ion: 64 Resp: 170876

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)

2.68

80000

60000

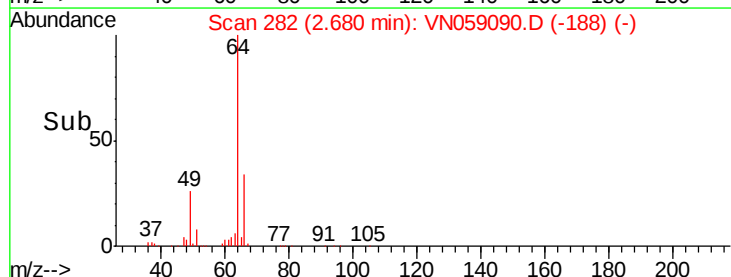
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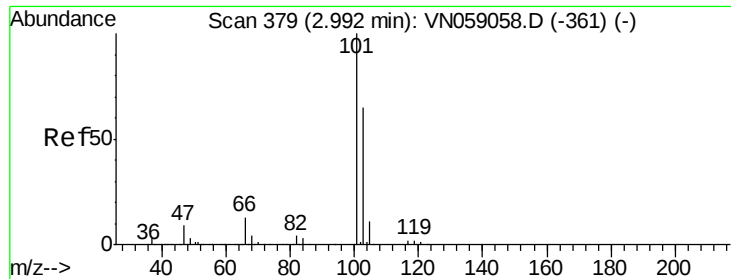
20000

0

Time-->

2.60 2.70 2.80



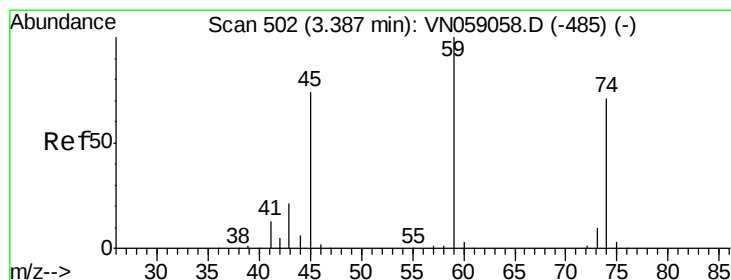
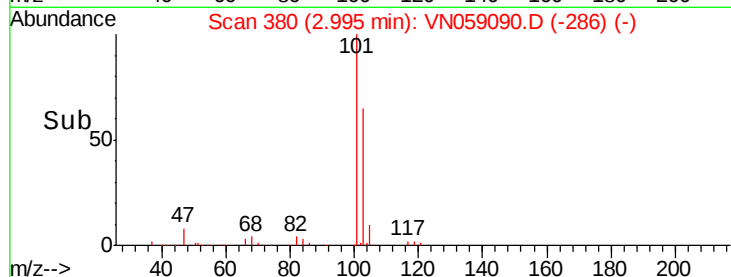
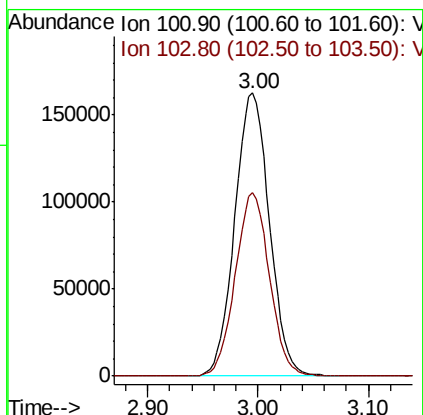
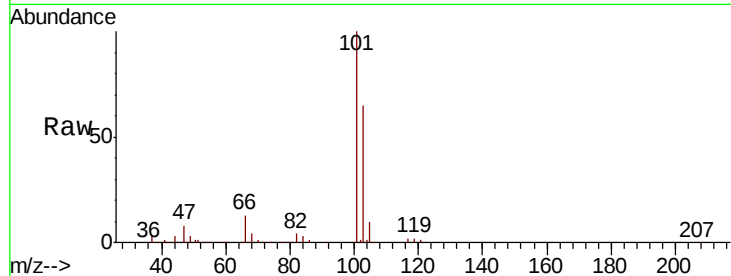


#7

Trichlorofluoromethane
Concen: 41.737 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
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VSTDCCC050EC

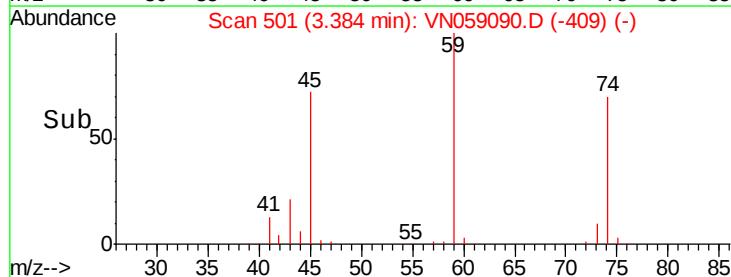
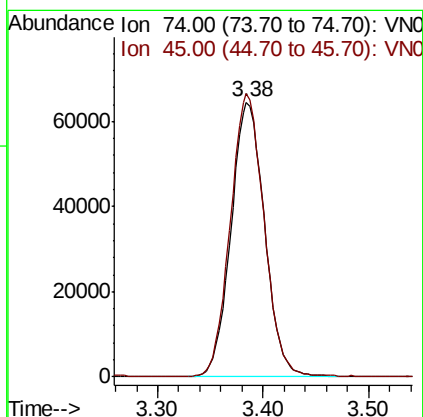
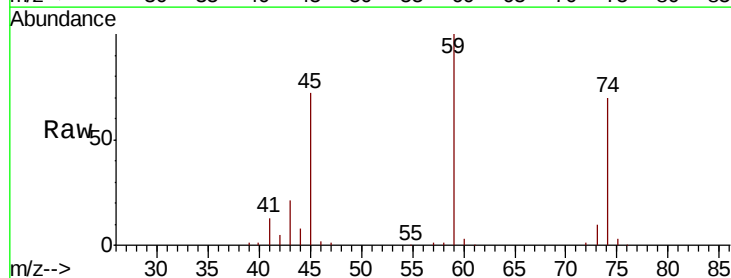
Tot Ion:101 Resp: 353670
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

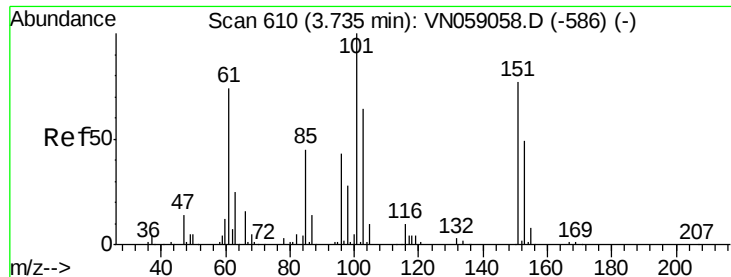


#8

Diethyl Ether
Concen: 43.052 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 74 Resp: 142466
Ion Ratio Lower Upper
74 100
45 103.4 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.348 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

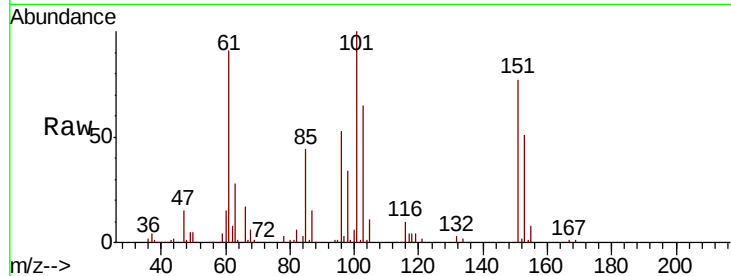
Tot Ion:101 Resp: 211513

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

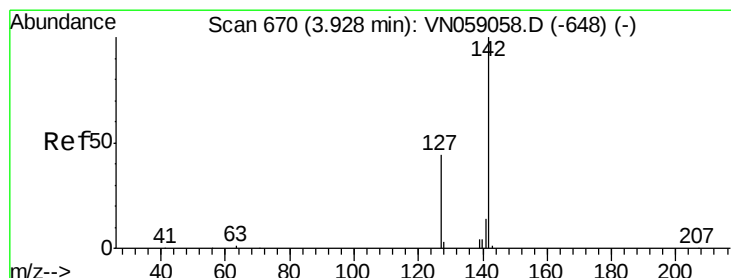
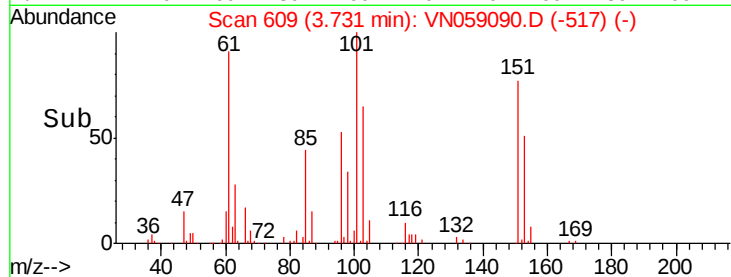
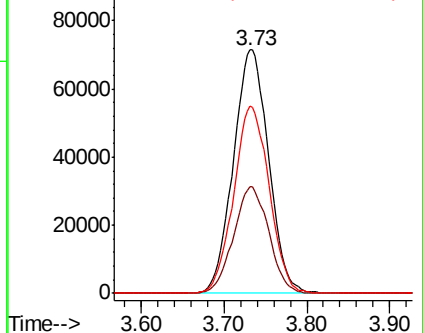
151 77.2 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.700 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

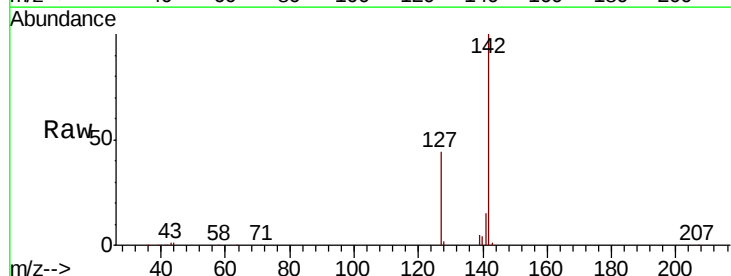
Tgt Ion:142 Resp: 265287

Ion Ratio Lower Upper

142 100

127 43.2 34.2 51.2

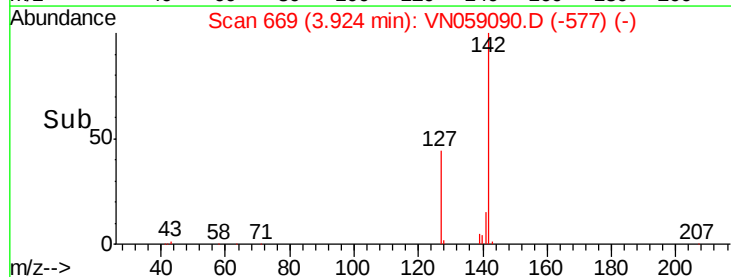
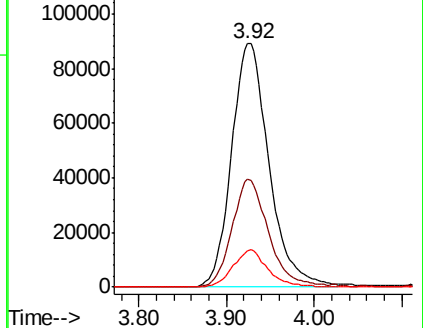
141 14.3 11.1 16.7

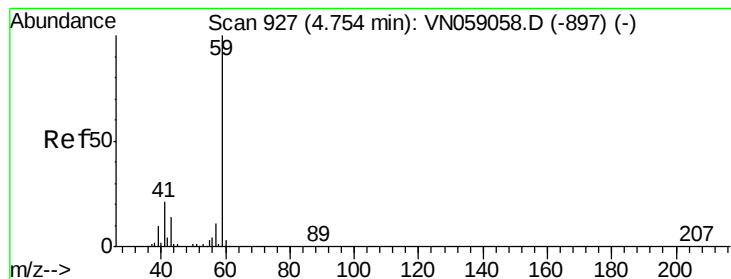


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



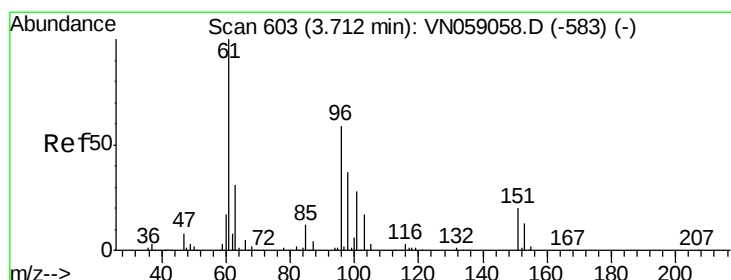
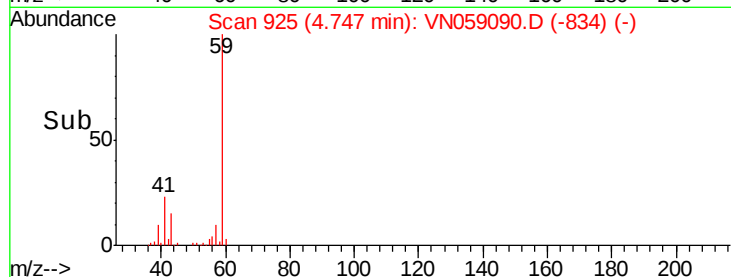
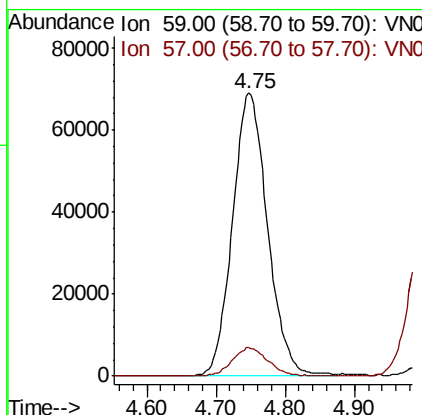
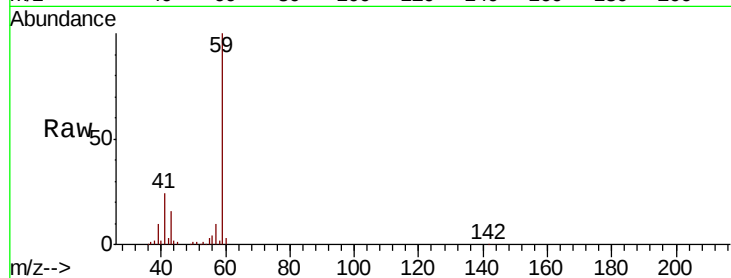


#11

Tert butyl alcohol
 Concen: 197.927 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

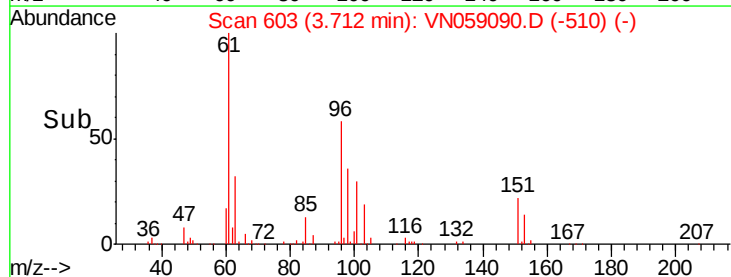
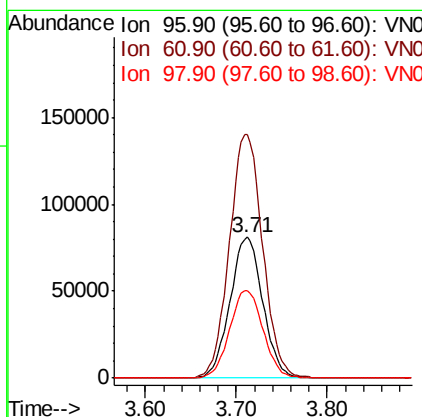
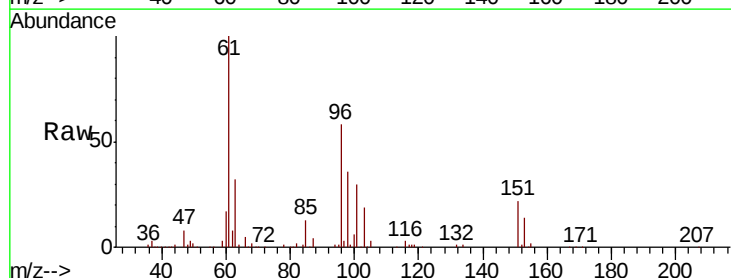
Tot Ion: 59 Resp: 243111
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

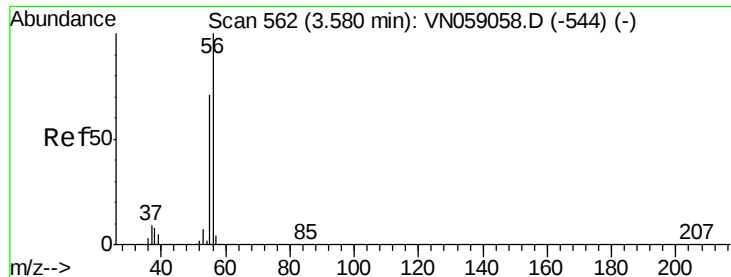


#12

1,1-Dichloroethene
 Concen: 40.962 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion: 96 Resp: 203467
 Ion Ratio Lower Upper
 96 100
 61 173.1 135.3 202.9
 98 62.5 49.4 74.2





#13

Acrolein

Concen: 207.905 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

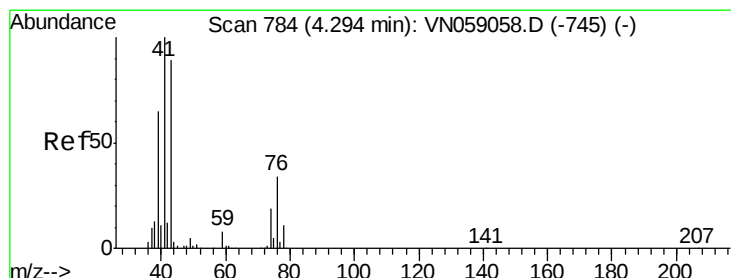
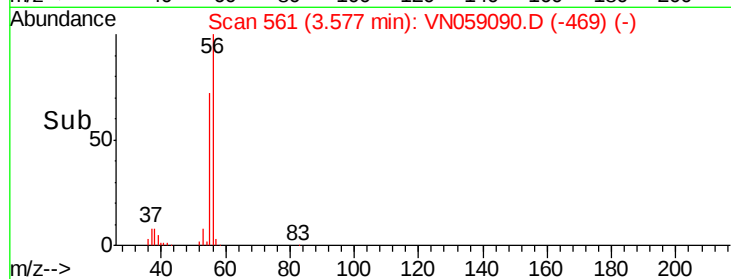
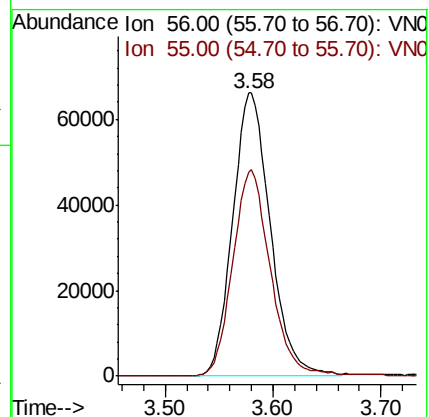
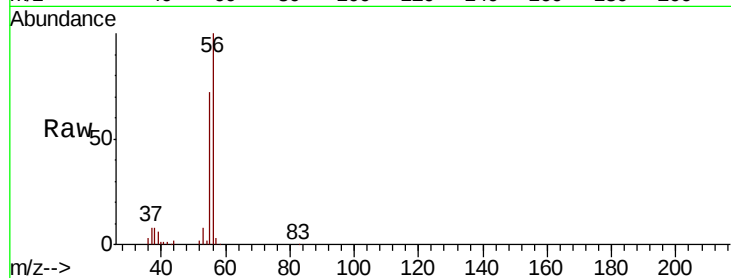
VSTDCCC050EC

Tot Ion: 56 Resp: 161135

Ion Ratio Lower Upper

56 100

55 72.1 56.1 84.1



#14

Allyl chloride

Concen: 42.075 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

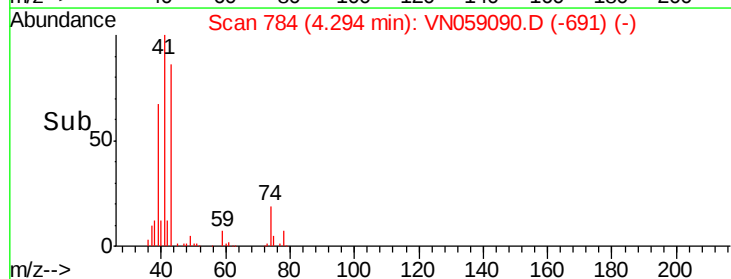
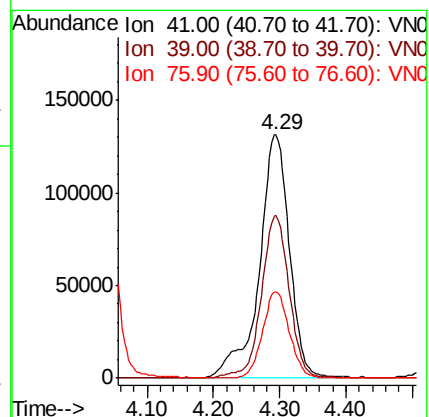
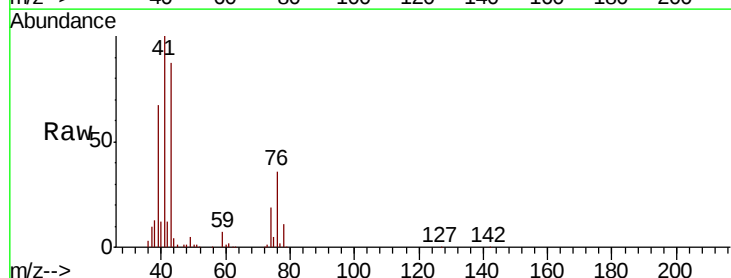
Tgt Ion: 41 Resp: 414134

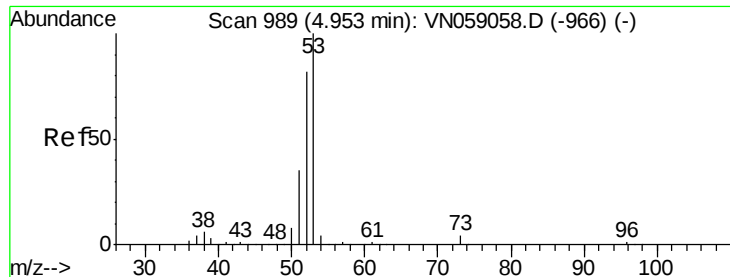
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 208.680 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

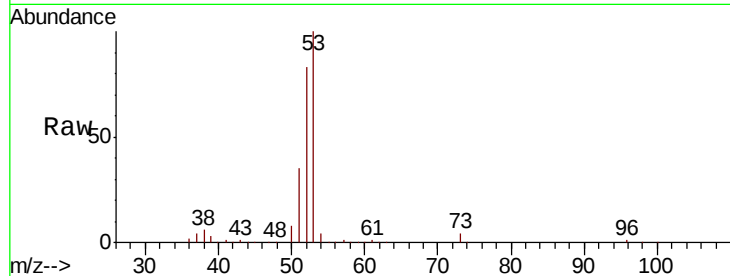
Tot Ion: 53 Resp: 642981

Ion Ratio Lower Upper

53 100

52 82.0 66.0 99.0

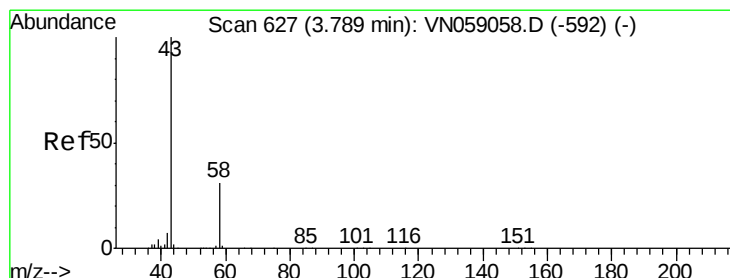
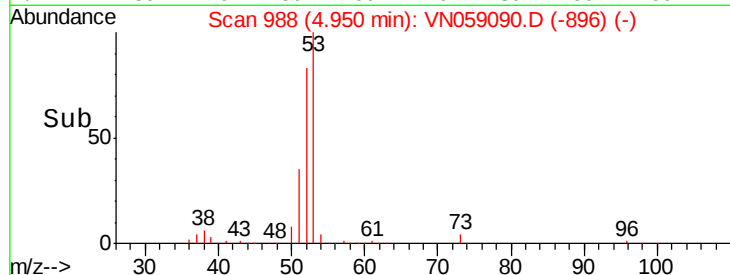
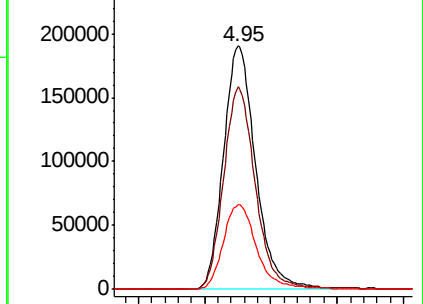
51 36.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059058.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059058.D (-966) (-)



#16

Acetone

Concen: 211.081 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059090.D

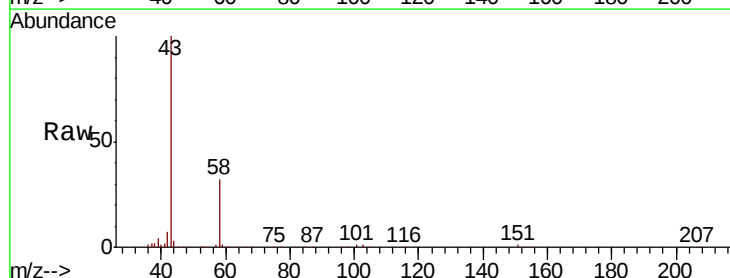
Acq: 5 Nov 2019 14:31

Tgt Ion: 43 Resp: 709203

Ion Ratio Lower Upper

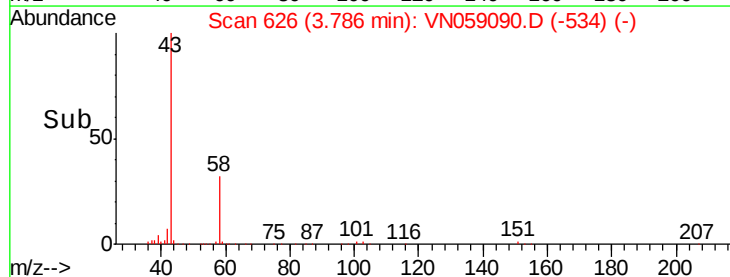
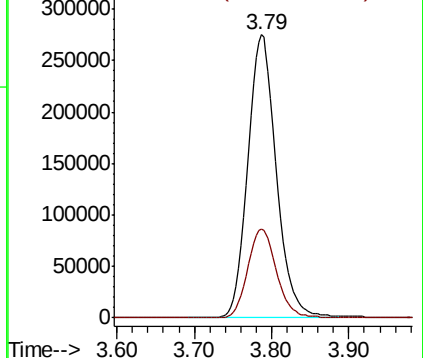
43 100

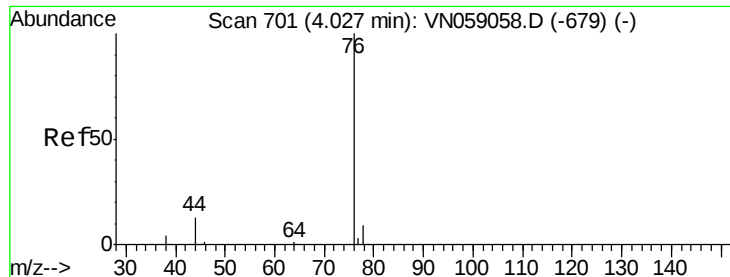
58 31.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-592) (-)

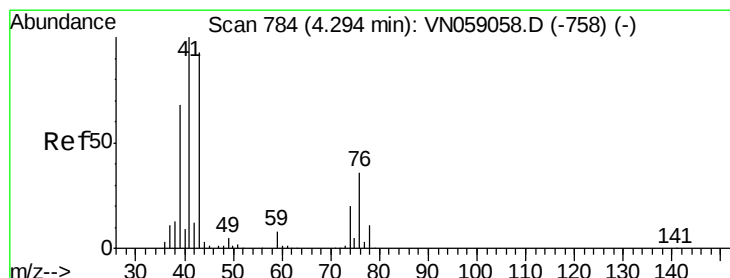
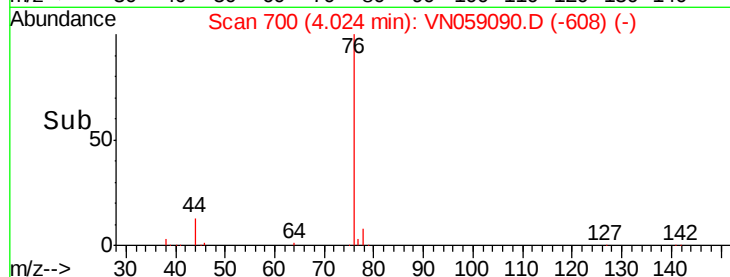
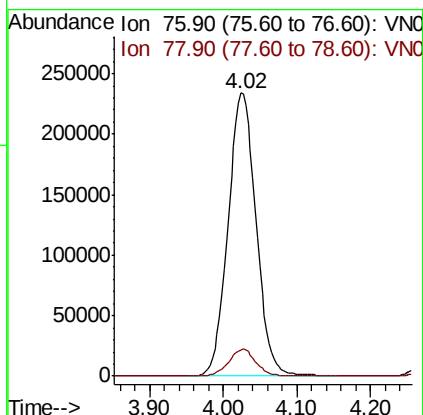
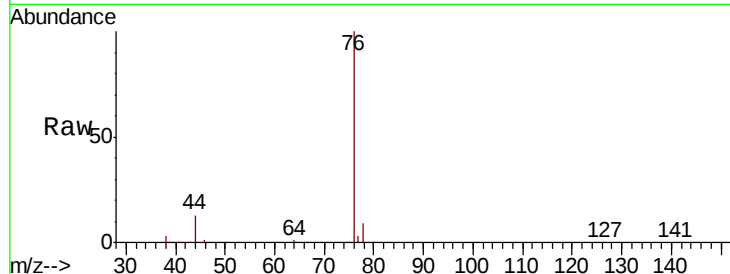




#17
Carbon Disulfide
Concen: 39.200 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

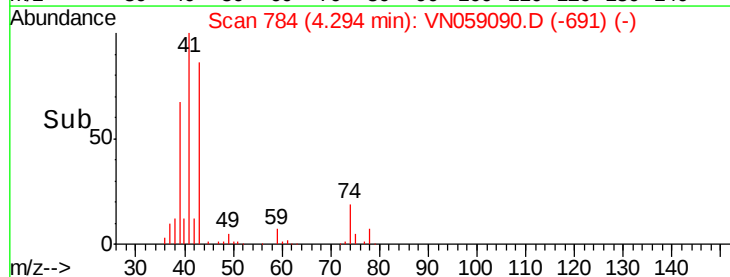
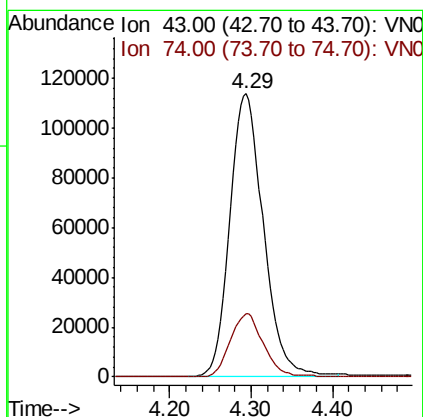
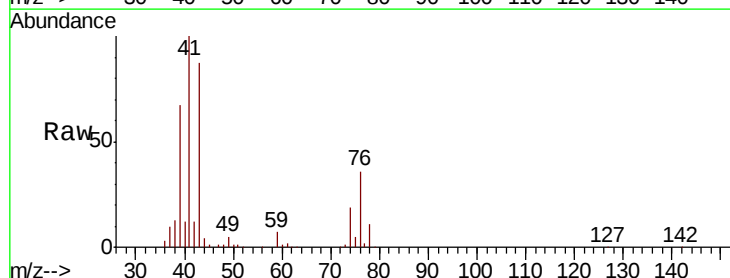
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

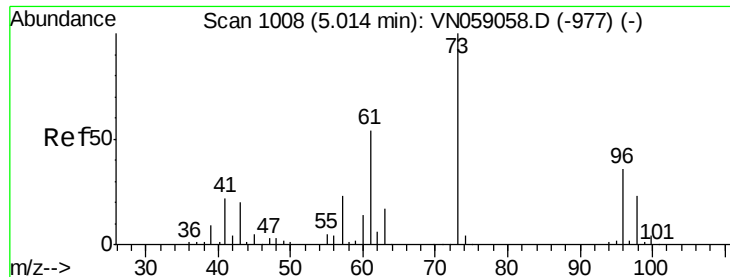
Tot Ion: 76 Resp: 619041
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 38.211 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 43 Resp: 325245
Ion Ratio Lower Upper
43 100
74 22.2 17.5 26.3

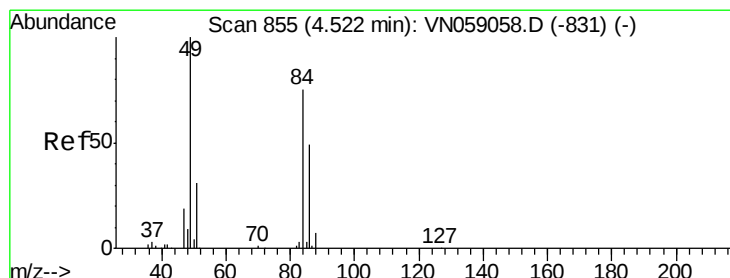
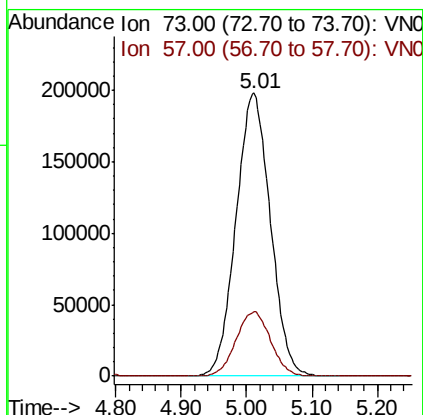
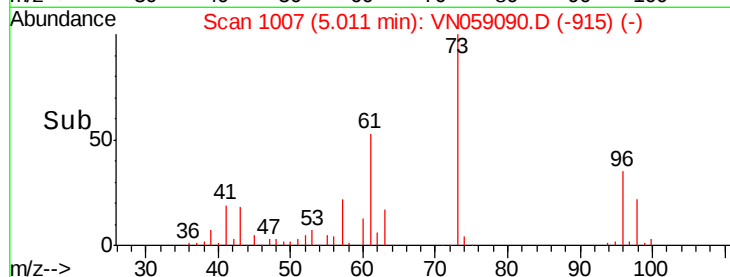
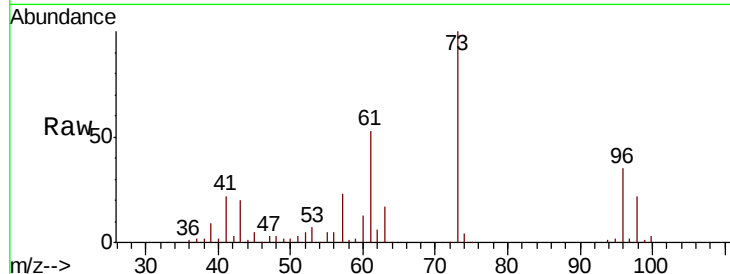




#19
Methyl tert-butyl Ether
Concen: 42.815 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

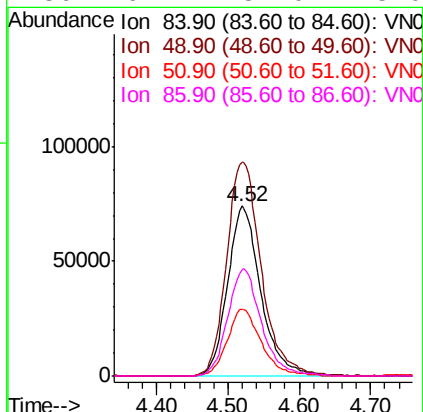
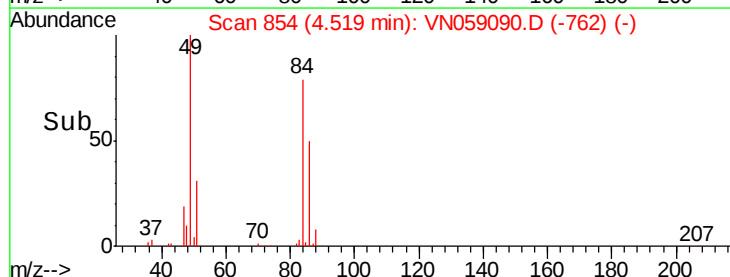
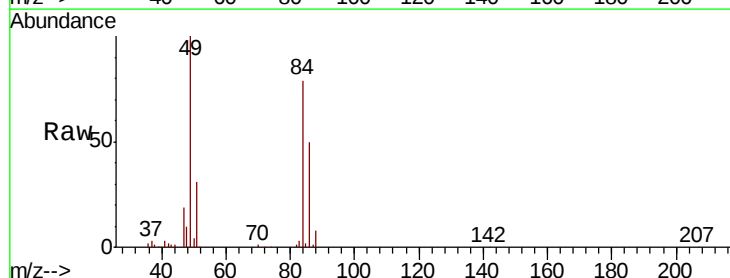
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

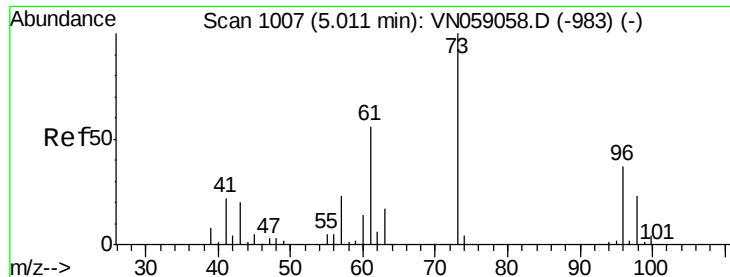
Tot Ion: 73 Resp: 724342
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 40.900 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 84 Resp: 240565
Ion Ratio Lower Upper
84 100
49 125.8 106.4 159.6
51 39.2 33.0 49.4
86 62.7 52.0 78.0

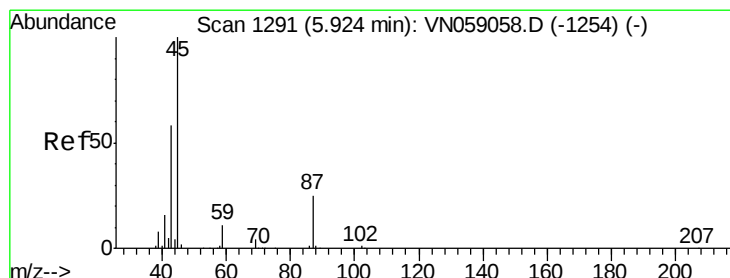
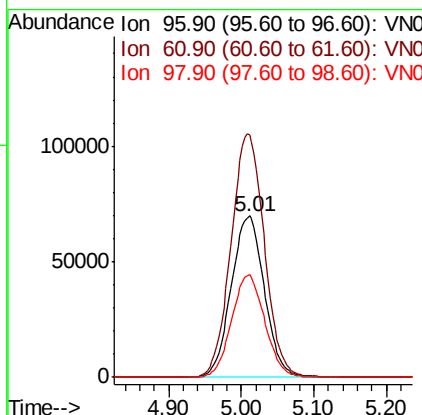
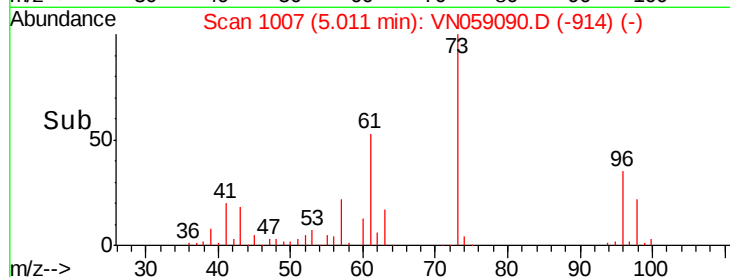
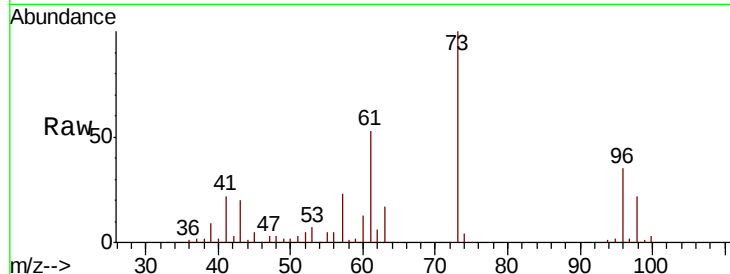




#21
trans-1,2-Dichloroethene
Concen: 41.771 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

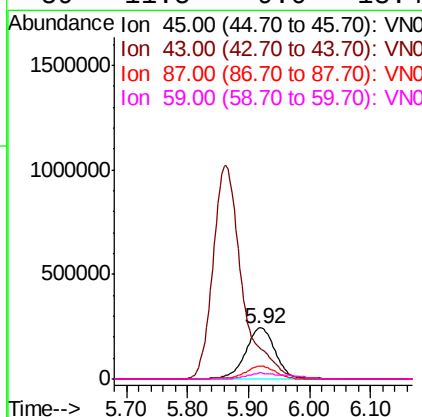
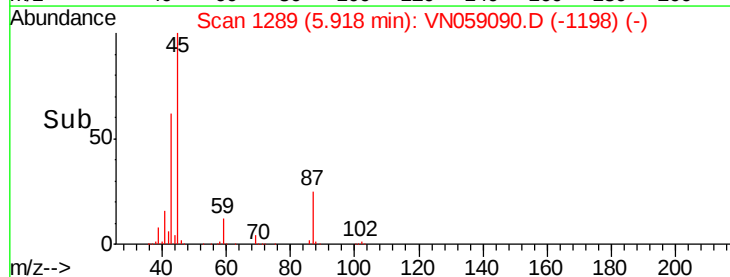
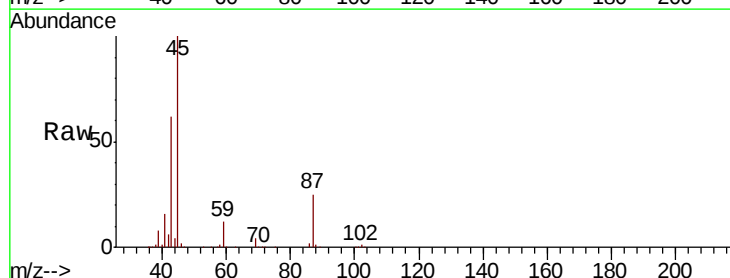
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

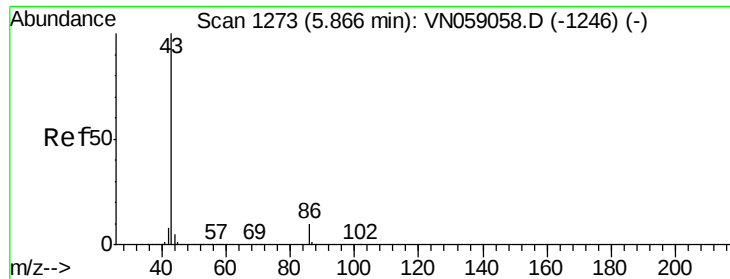
Tot Ion: 96 Resp: 222748
Ion Ratio Lower Upper
96 100
61 150.0 121.7 182.5
98 63.8 50.6 76.0



#22
Diisopropyl ether
Concen: 44.009 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 45 Resp: 825067
Ion Ratio Lower Upper
45 100
43 61.5 46.9 70.3
87 24.9 20.1 30.1
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 227.266 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

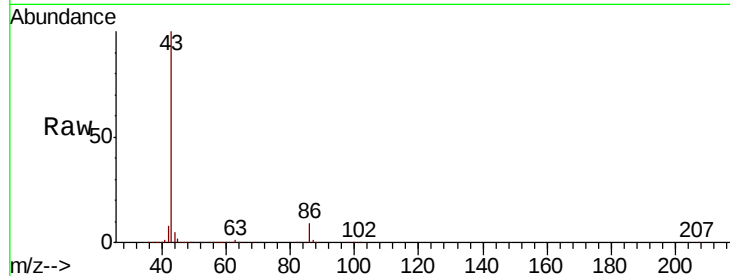
VSTDCCC050EC

Tot Ion: 43 Resp: 3393585

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)

1200000

1000000

800000

600000

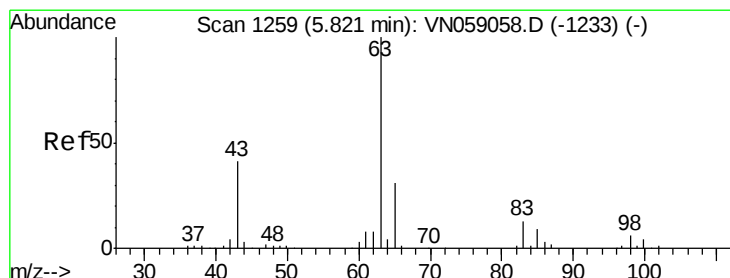
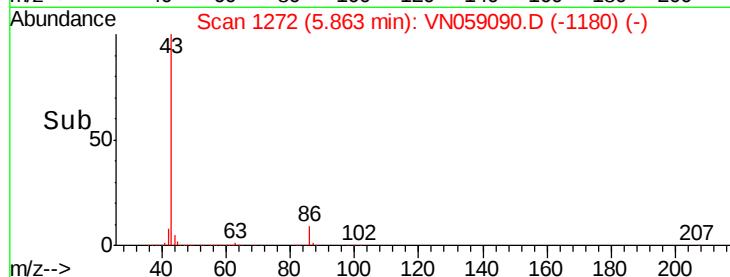
400000

200000

0

5.80 5.86 5.90

Time-->



#24

1,1-Dichloroethane

Concen: 41.566 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

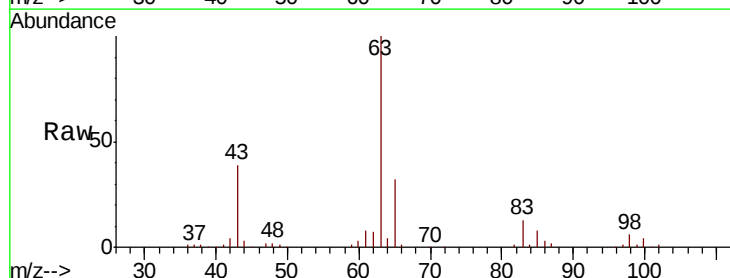
Tgt Ion: 63 Resp: 445534

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)

150000

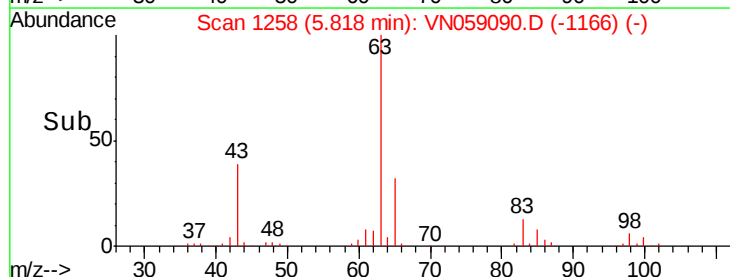
100000

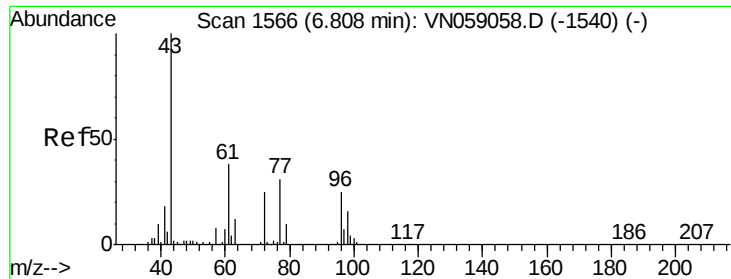
50000

0

5.70 5.82 5.90

Time-->





#25

2-Butanone

Concen: 211.269 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

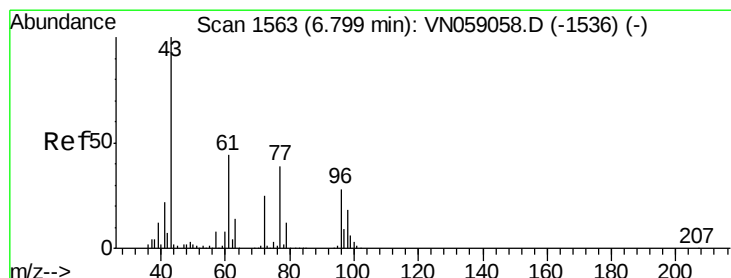
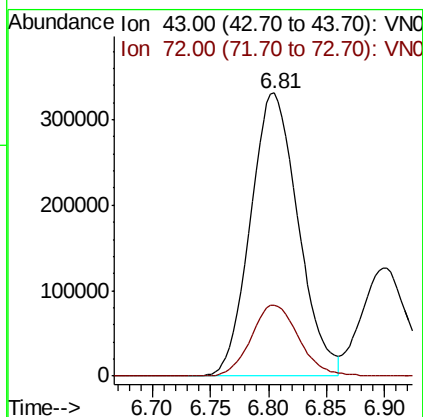
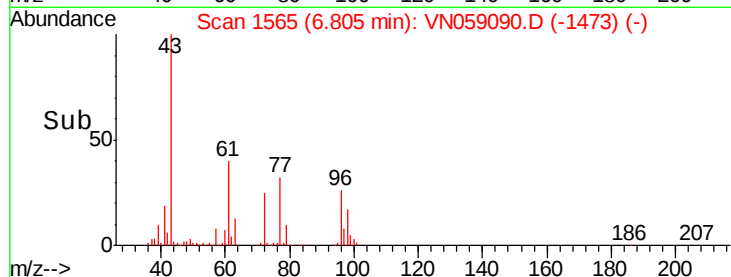
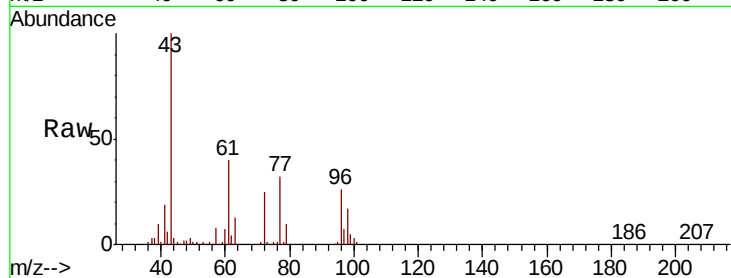
VSTDCCC050EC

Tot Ion: 43 Resp: 945177

Ion Ratio Lower Upper

43 100

72 25.2 19.9 29.9



#26

2,2-Dichloropropane

Concen: 41.009 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059090.D

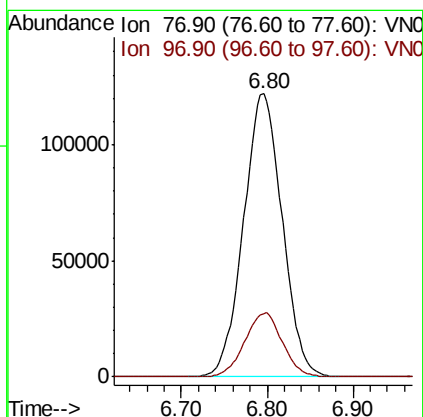
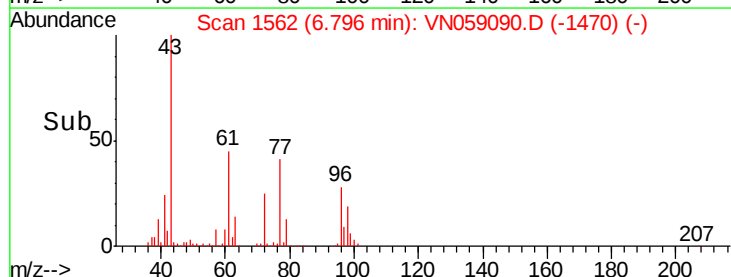
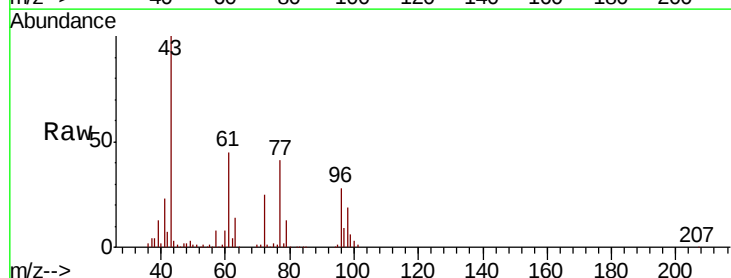
Acq: 5 Nov 2019 14:31

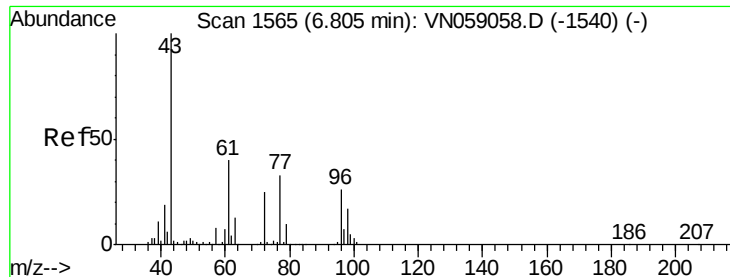
Tgt Ion: 77 Resp: 381525

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 42.495 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

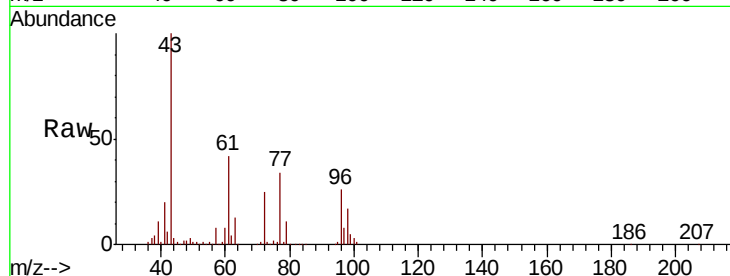
Tot Ion: 96 Resp: 255156

Ion Ratio Lower Upper

96 100

61 157.9 0.0 316.4

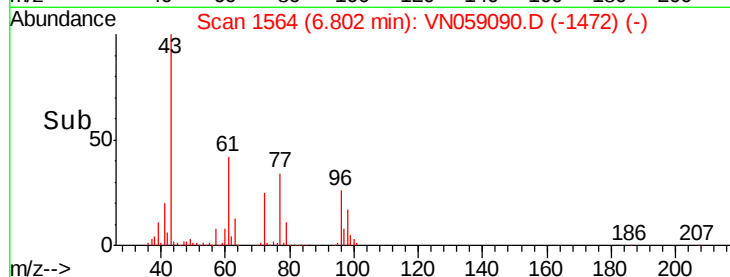
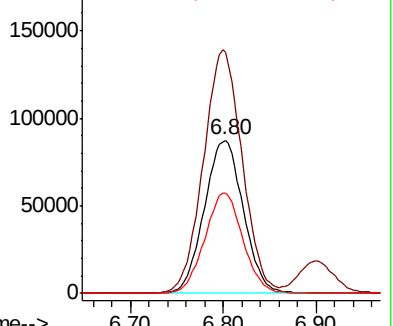
98 64.3 0.0 128.2



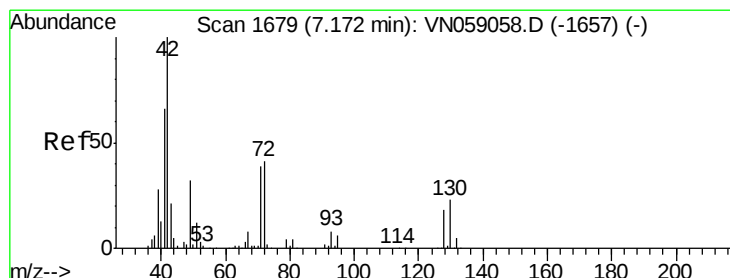
Abundance Ion 95.90 (95.60 to 96.60): VN059090.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059090.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059090.D (-1472) (-)



Time-->



#28

Bromochloromethane

Concen: 43.876 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

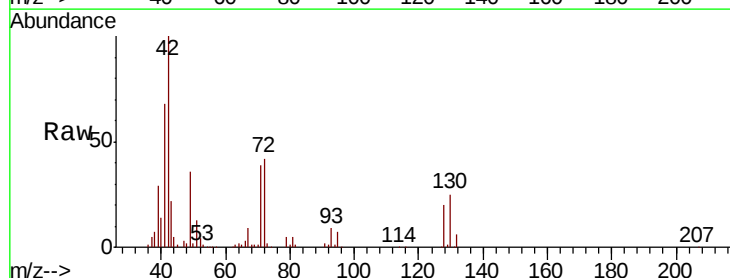
Tgt Ion: 49 Resp: 145144

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

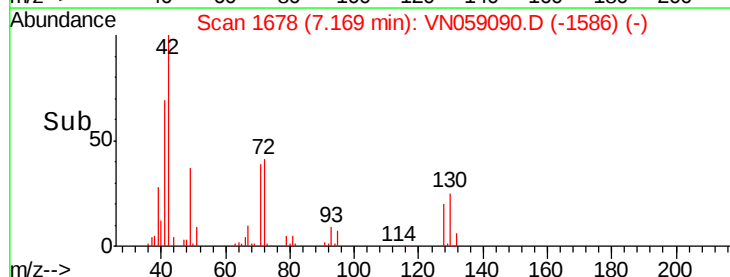
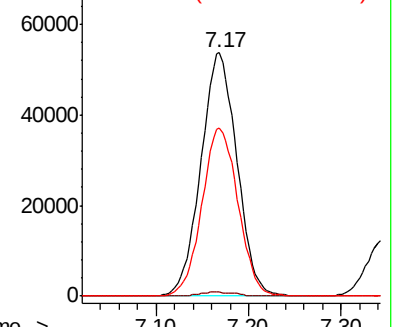
130 68.9 55.0 82.6



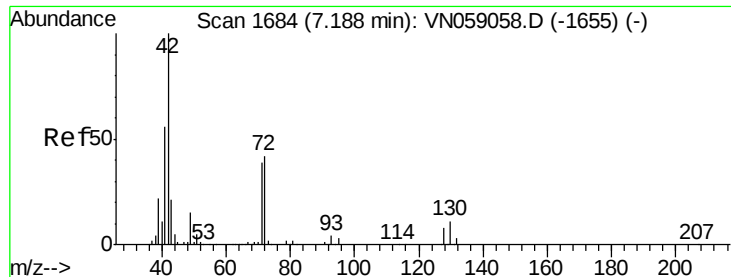
Abundance Ion 48.90 (48.60 to 49.60): VN059090.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN059090.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN059090.D (-1586) (-)



Time-->



#29

Tetrahydrofuran

Concen: 206.663 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

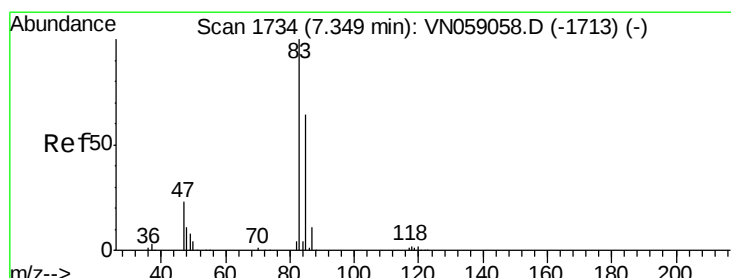
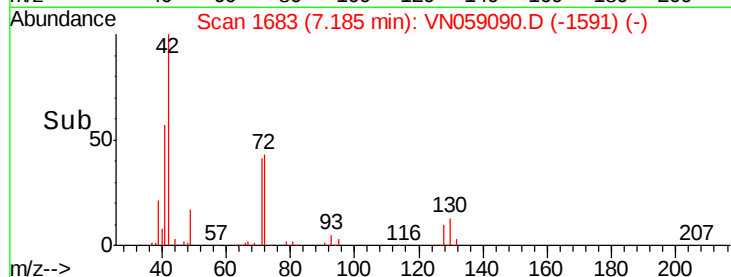
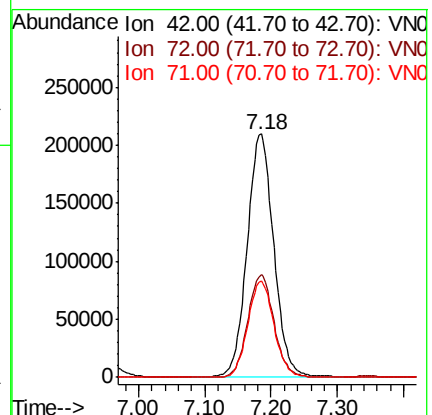
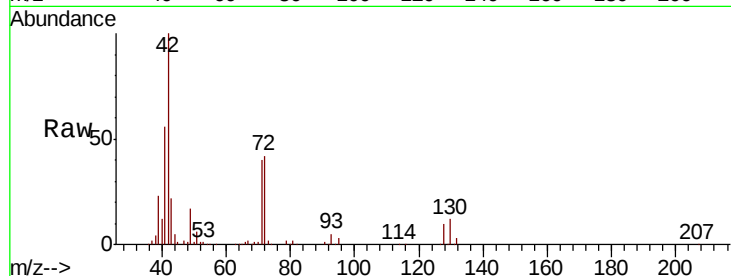
Tot Ion: 42 Resp: 583499

Ion Ratio Lower Upper

42 100

72 41.7 32.7 49.1

71 39.3 31.2 46.8



#30

Chloroform

Concen: 41.690 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059090.D

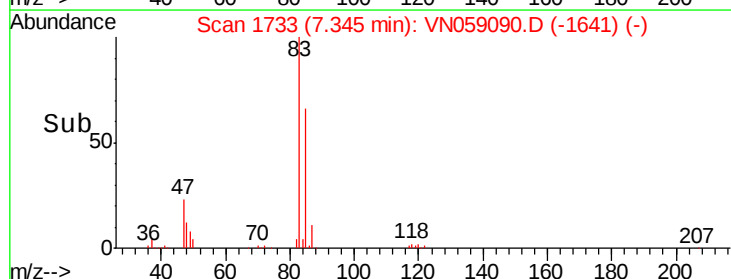
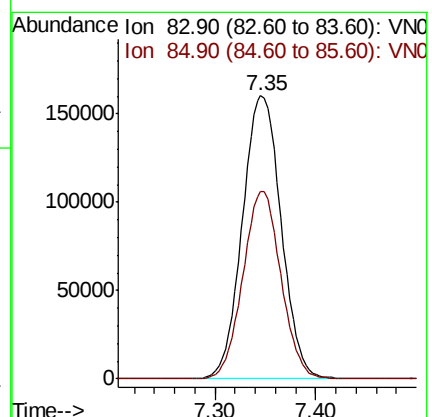
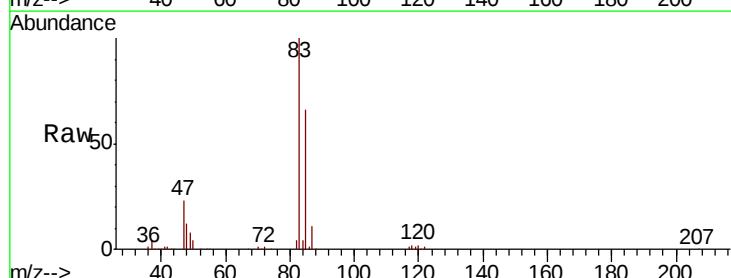
Acq: 5 Nov 2019 14:31

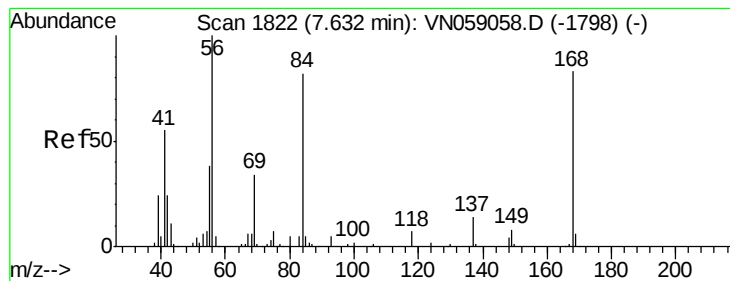
Tgt Ion: 83 Resp: 427304

Ion Ratio Lower Upper

83 100

85 66.3 50.9 76.3





#31

Cyclohexane

Concen: 40.007 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

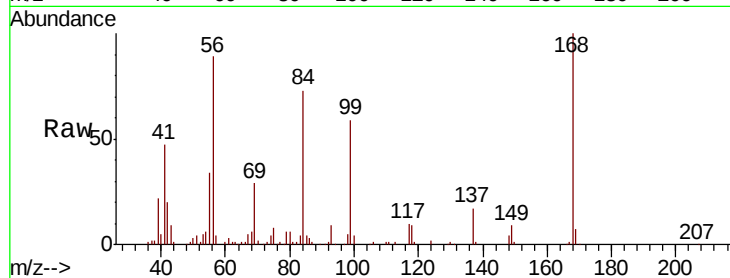
Tot Ion: 56 Resp: 409020

Ion Ratio Lower Upper

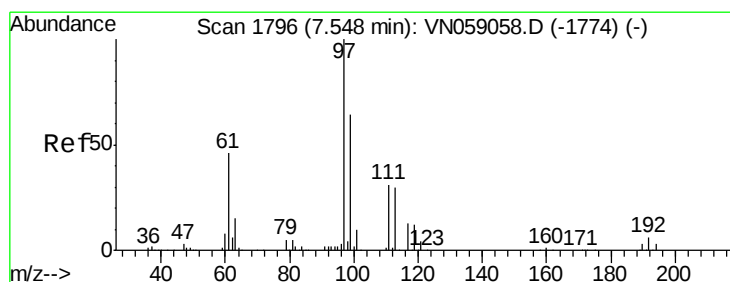
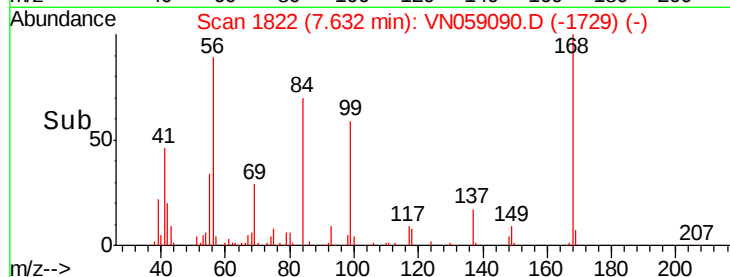
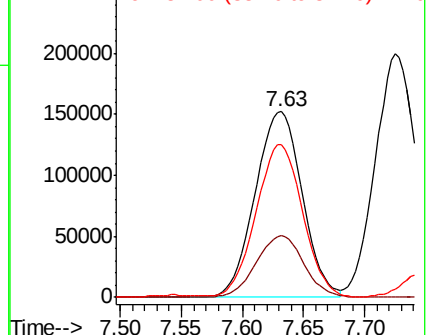
56 100

69 33.2 27.2 40.8

84 81.2 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 42.285 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

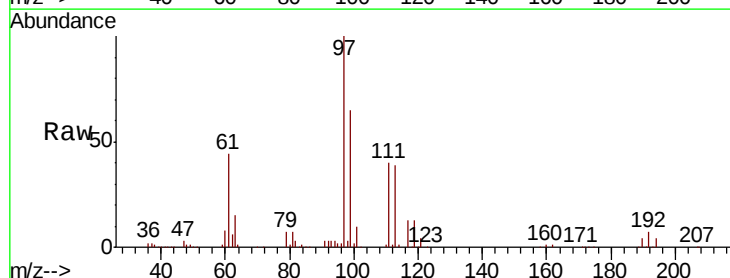
Tgt Ion: 97 Resp: 366686

Ion Ratio Lower Upper

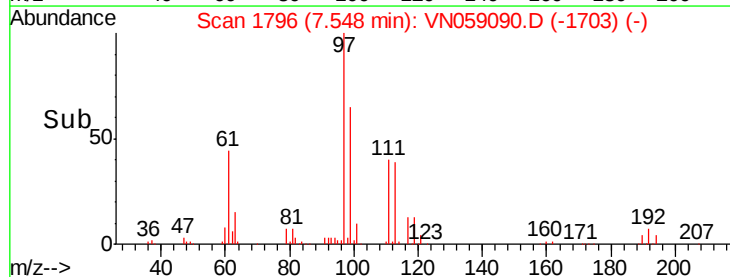
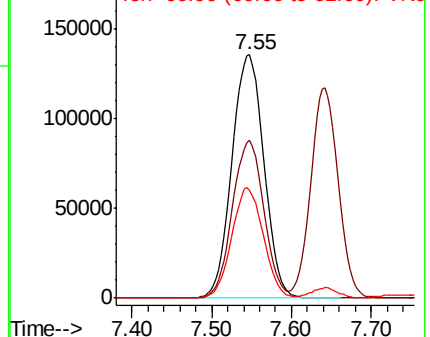
97 100

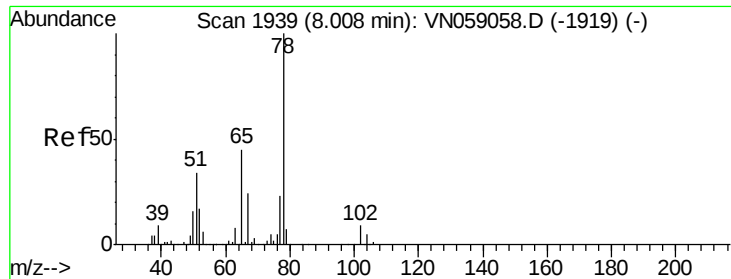
99 63.9 50.7 76.1

61 44.8 36.3 54.5



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





#33

1,2-Dichloroethane-d4

Concen: 46.490 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

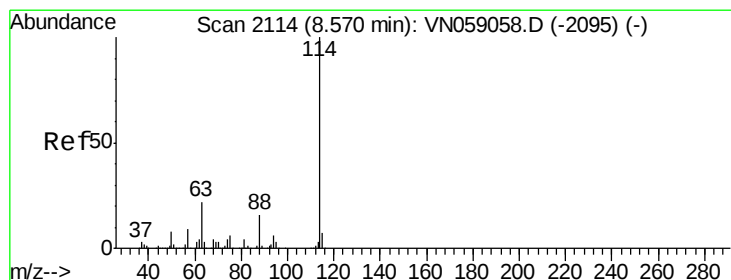
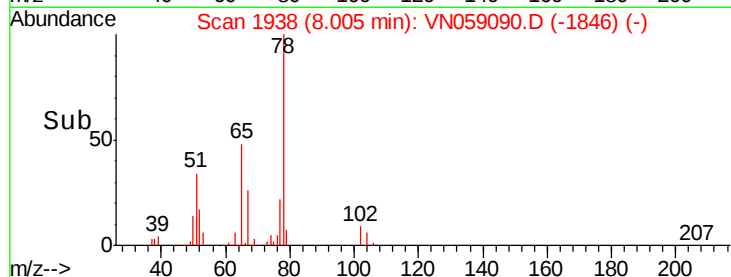
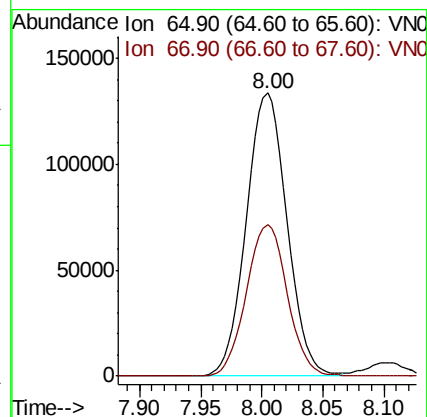
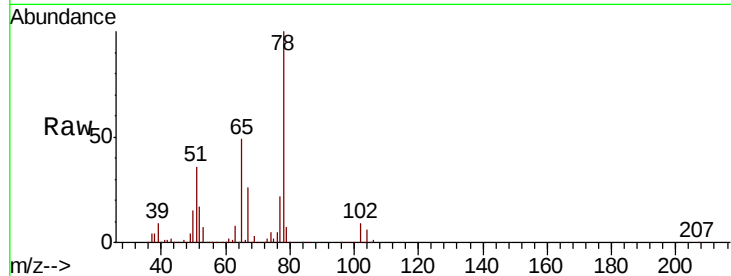
VSTDCCC050EC

Tot Ion: 65 Resp: 308537

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

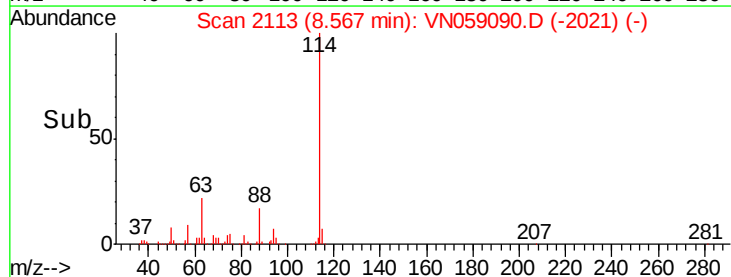
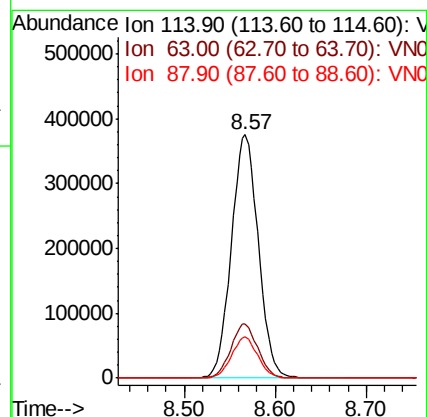
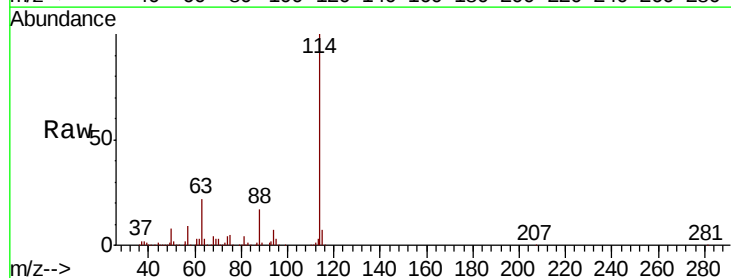
Tgt Ion: 114 Resp: 772388

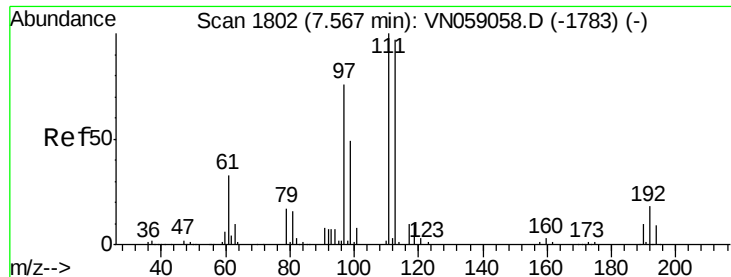
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 16.8 0.0 33.0

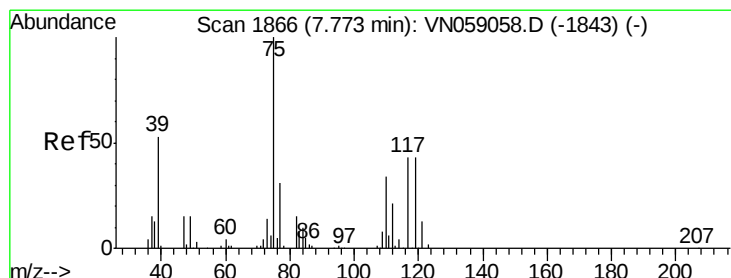
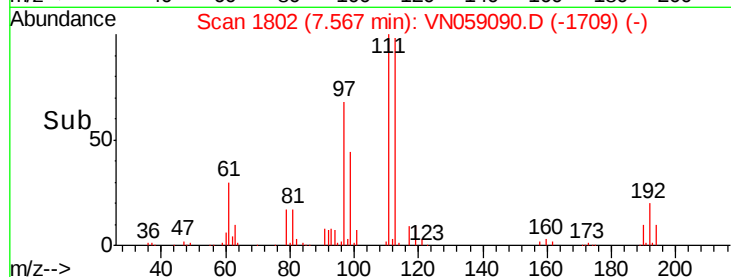
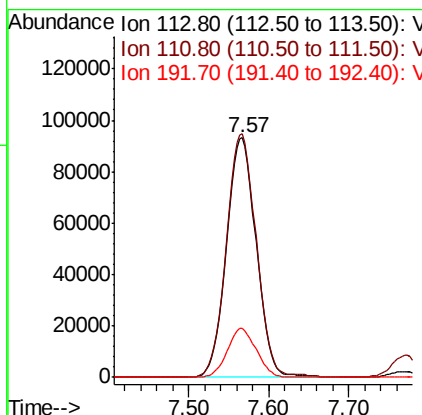
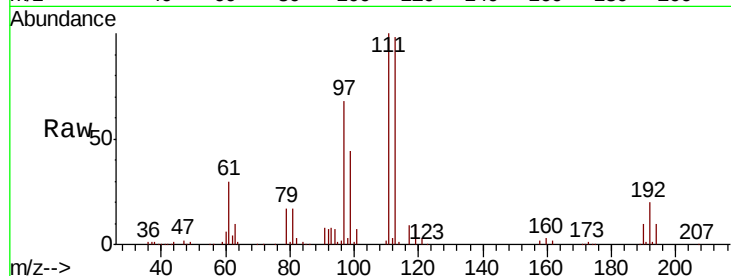




#35
Dibromofluoromethane
Concen: 47.422 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

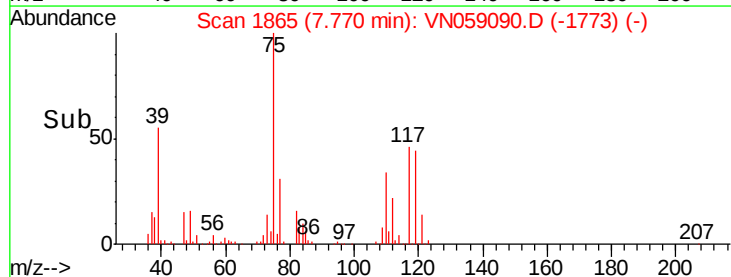
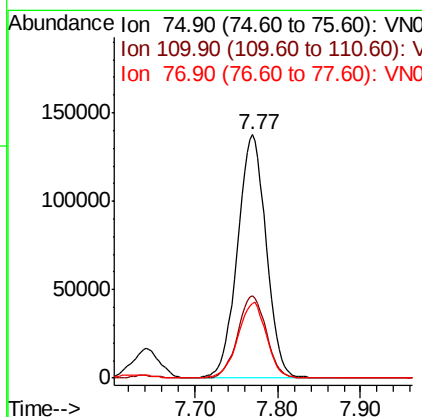
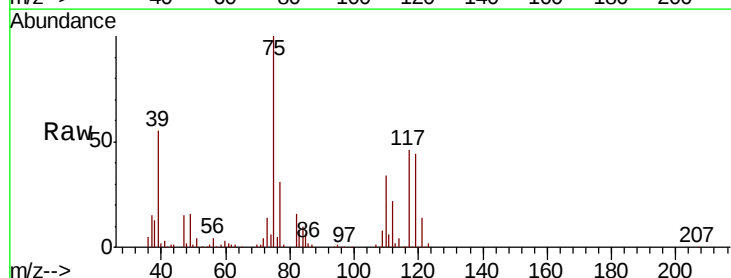
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

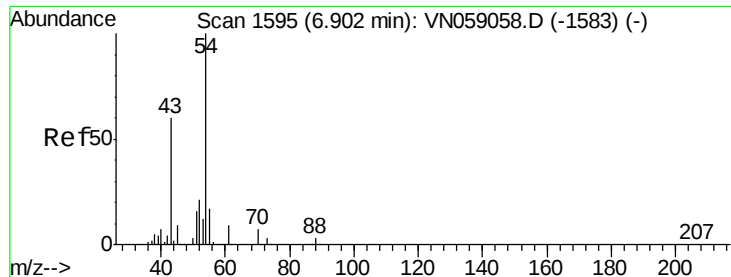
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	19.8	15.9	23.9



#36
1,1-Dichloropropene
Concen: 42.980 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.3	25.0	37.4

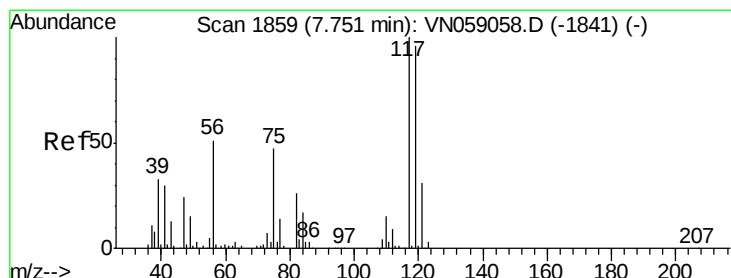
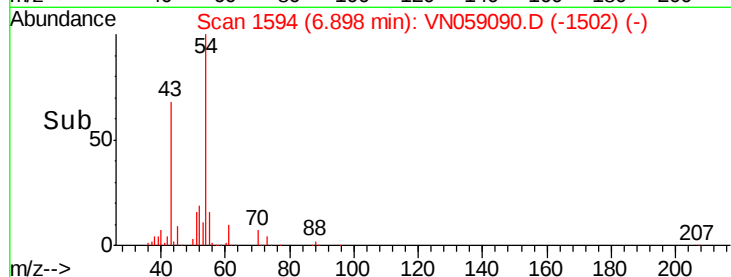
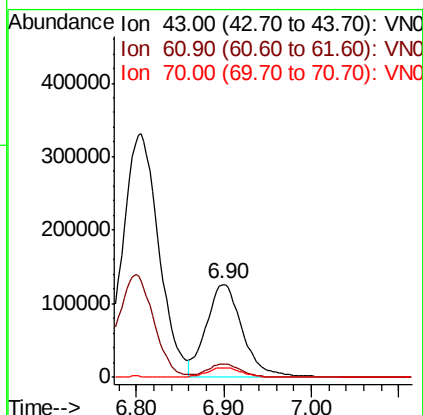
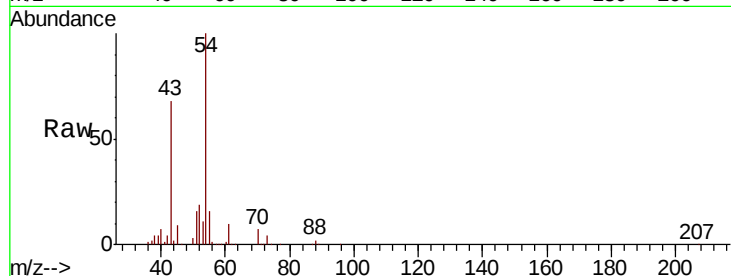




#37
Ethyl Acetate
Concen: 42.053 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

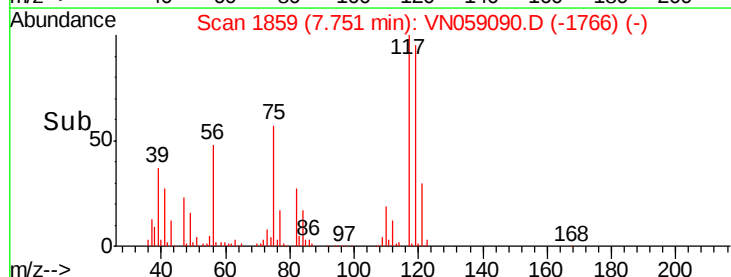
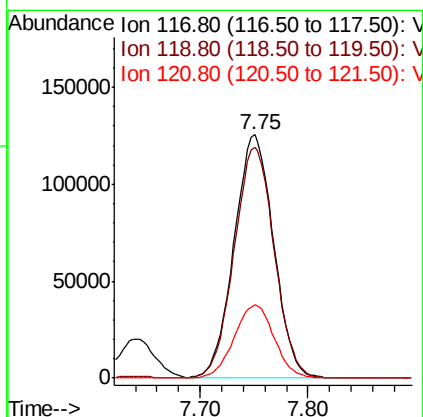
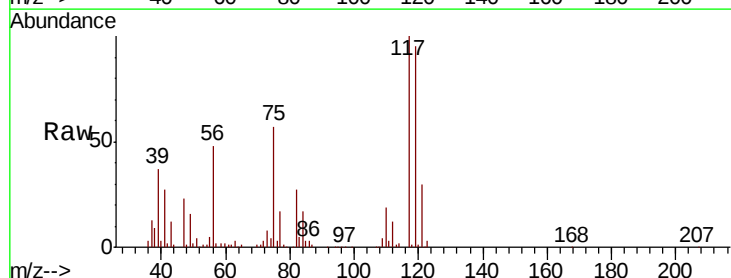
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

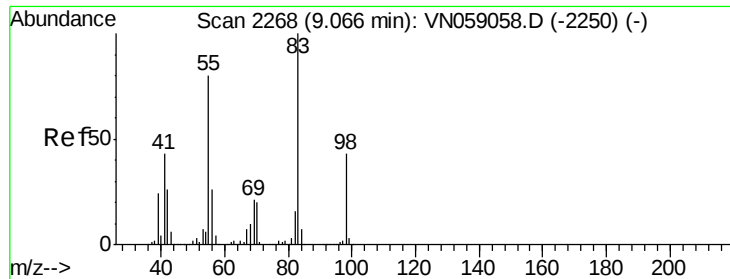
Tot Ion: 43 Resp: 358691
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 10.1 8.0 12.0



#38
Carbon Tetrachloride
Concen: 42.536 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 117 Resp: 318231
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8
121 30.1 24.6 37.0

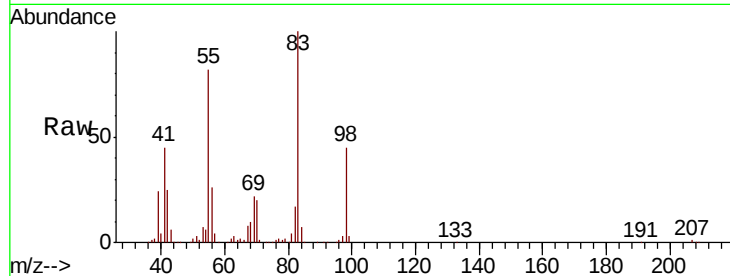




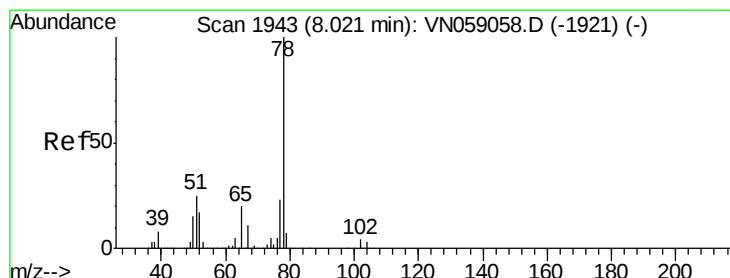
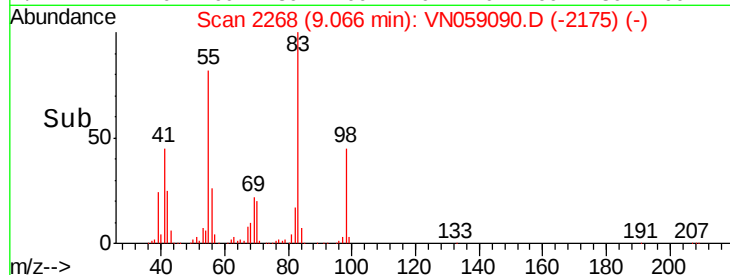
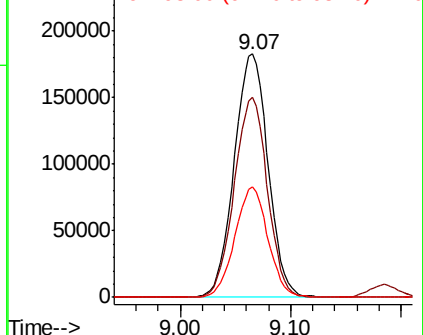
#39
Methvlcvclohexane
Concen: 43.816 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 388780
Ion Ratio Lower Upper
83 100
55 82.1 64.1 96.1
98 45.3 34.3 51.5

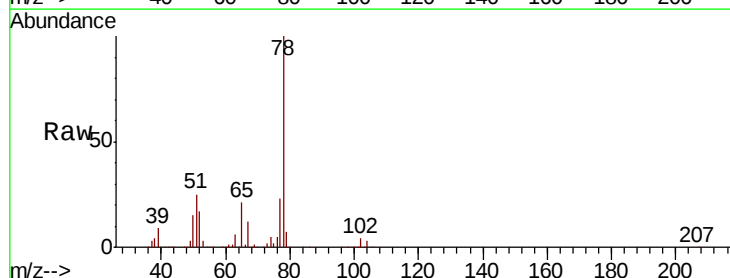


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

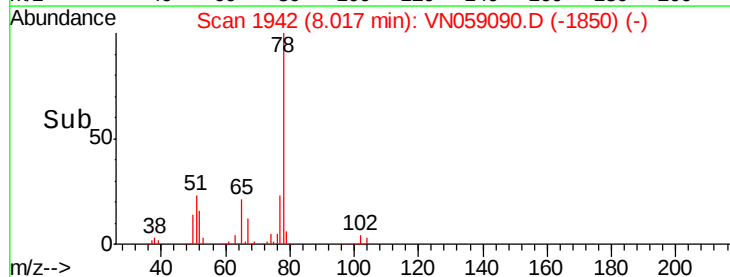
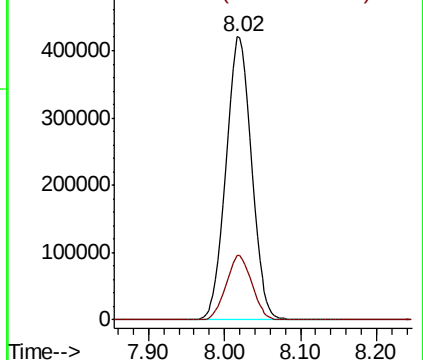


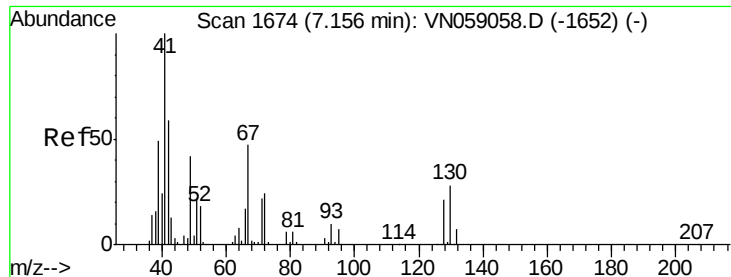
#40
Benzene
Concen: 43.447 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 78 Resp: 989817
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

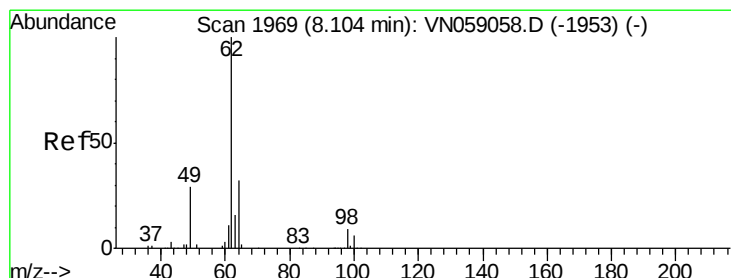
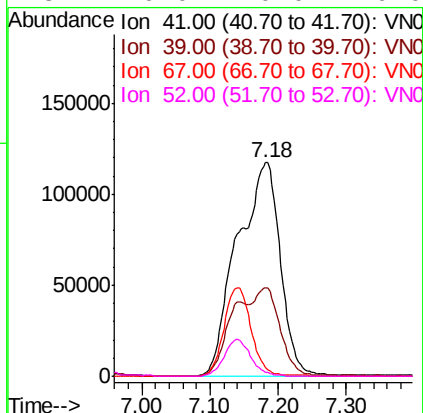
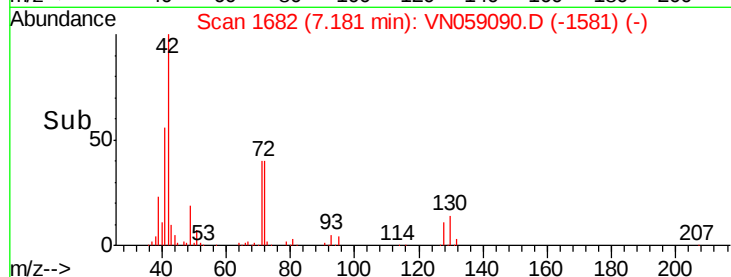
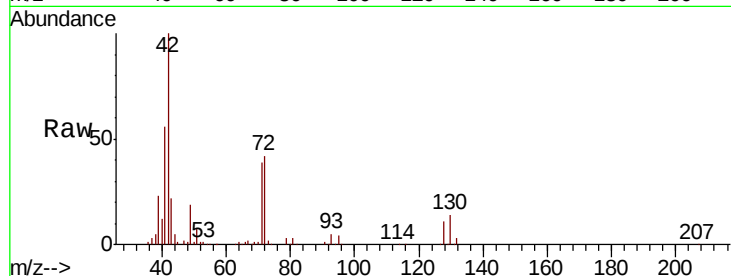




#41
Methacrylonitrile
Concen: 139.219 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

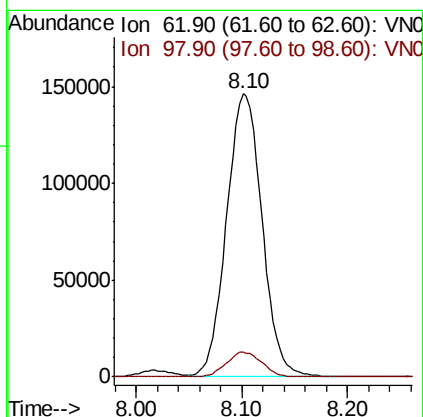
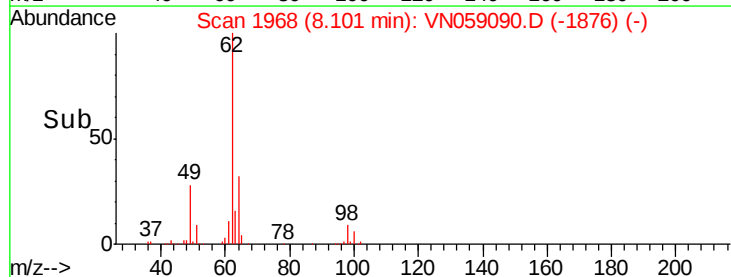
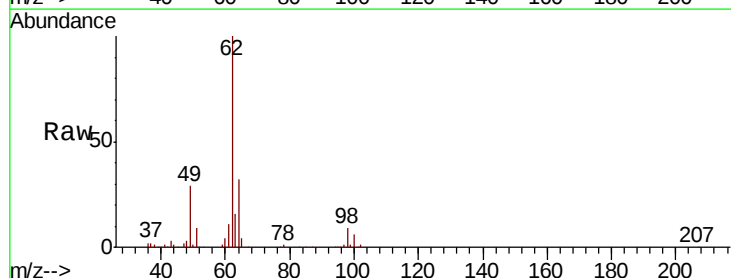
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

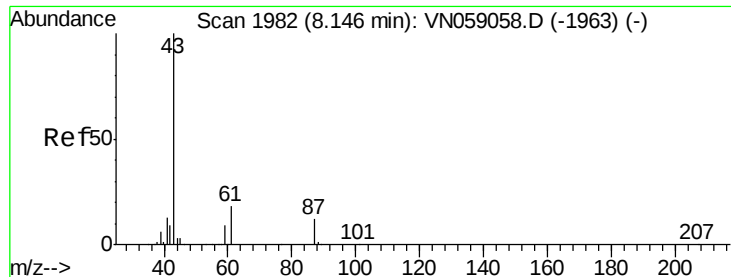
Tot Ion:	41	Resp:	513476
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 42.971 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:	62	Resp:	339985
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0





#43

Isopropyl Acetate

Concen: 42.599 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

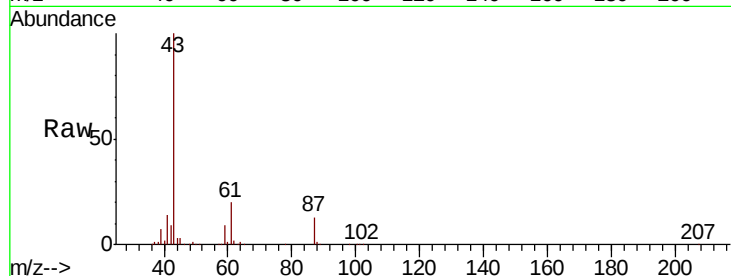
Tot Ion: 43 Resp: 568213

Ion Ratio Lower Upper

43 100

61 26.8 20.5 30.7

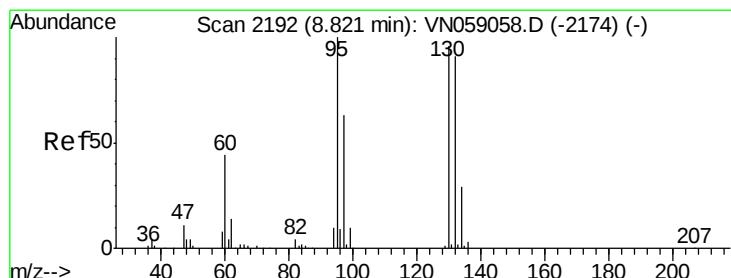
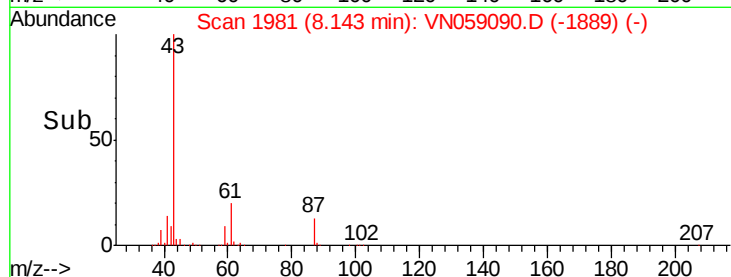
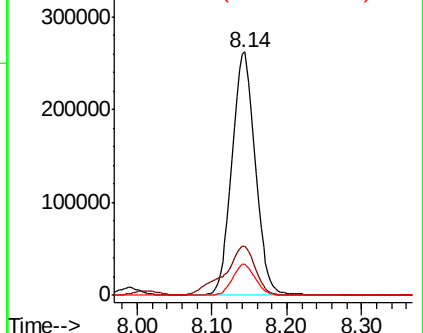
87 12.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)



#44

Trichloroethene

Concen: 43.035 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059090.D

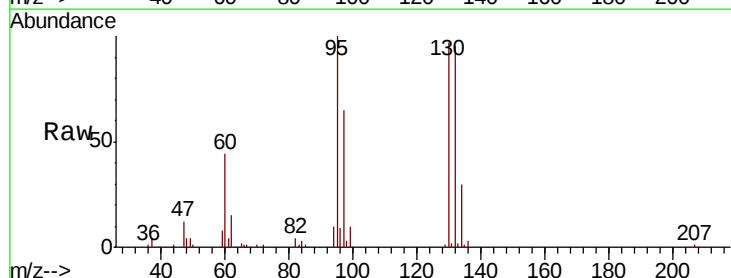
Acq: 5 Nov 2019 14:31

Tgt Ion: 130 Resp: 241225

Ion Ratio Lower Upper

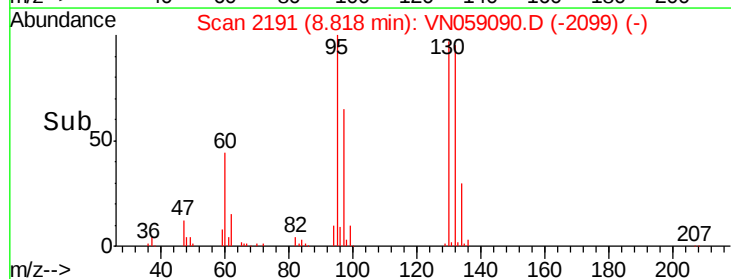
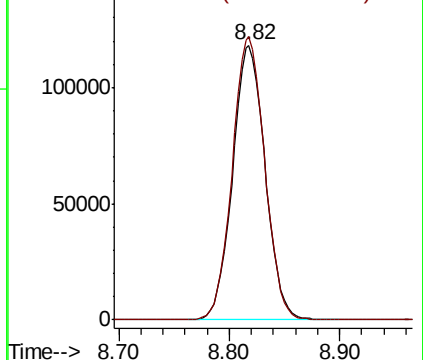
130 100

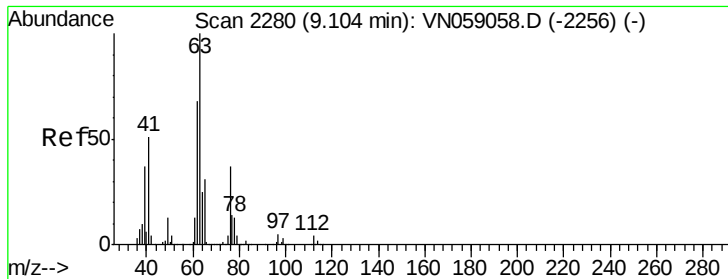
95 103.1 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)





#45

1,2-Dichloropropane

Concen: 43.572 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

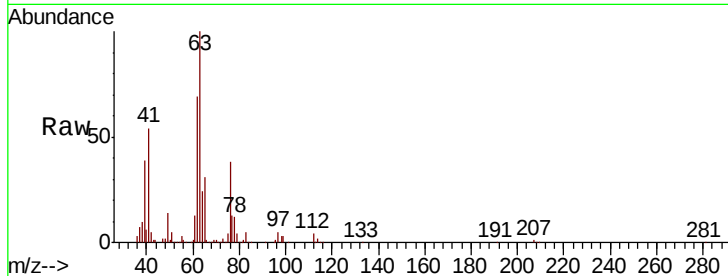
VSTDCCC050EC

Tot Ion: 63 Resp: 268457

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN059090.D (-2187) (-)

Ion 64.90 (64.60 to 65.60): VN059090.D (-2187) (-)

150000

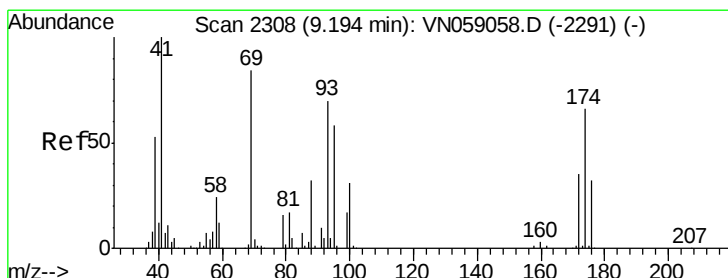
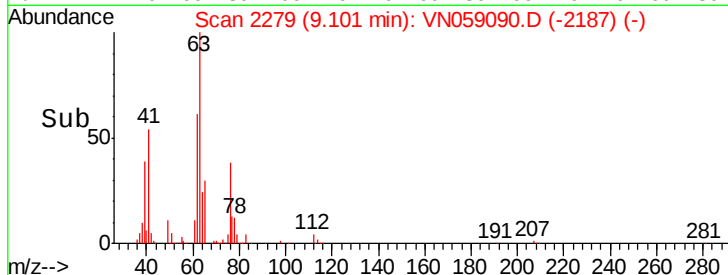
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 43.056 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

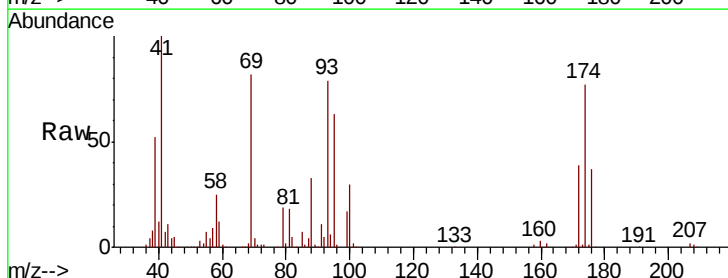
Tgt Ion: 93 Resp: 163955

Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 97.5 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN059090.D (-2215) (-)

Ion 94.80 (94.50 to 95.50): VN059090.D (-2215) (-)

Ion 173.70 (173.40 to 174.40): VN059090.D (-2215) (-)

100000

80000

60000

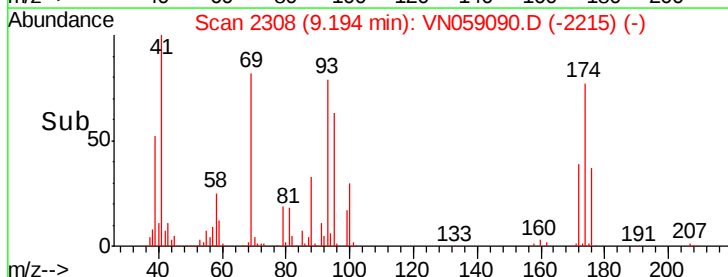
40000

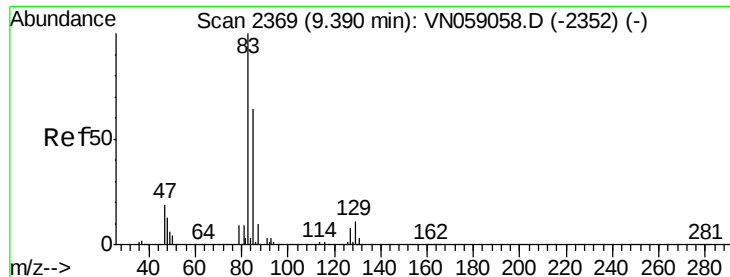
20000

0

9.10 9.20 9.30

Time-->

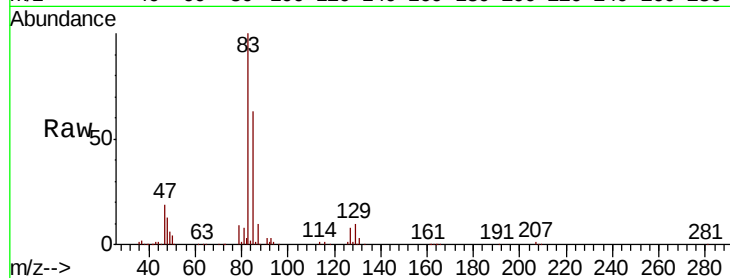




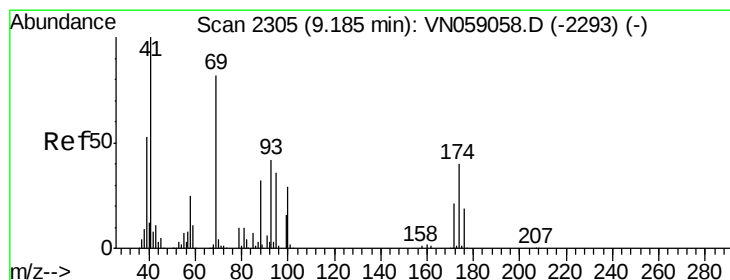
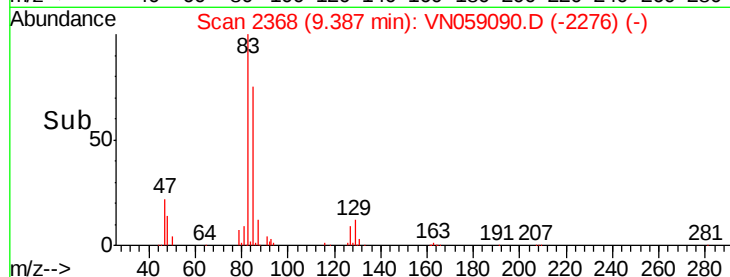
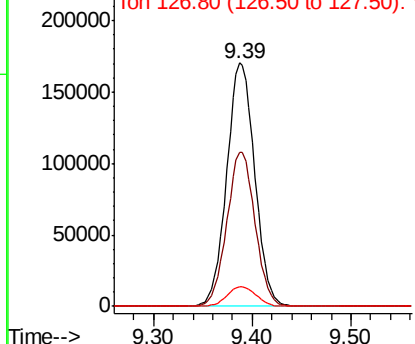
#47
Bromodichloromethane
Concen: 43.815 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 337899
Ion Ratio Lower Upper
83 100
85 63.4 51.2 76.8
127 8.0 6.5 9.7

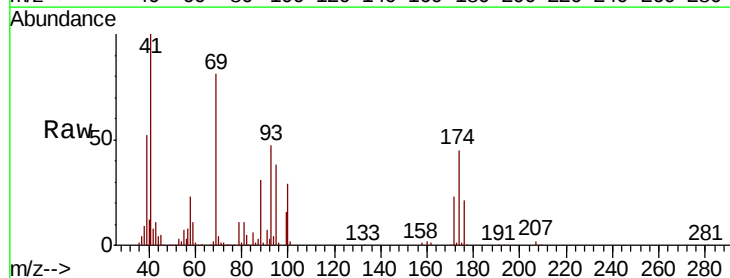


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V

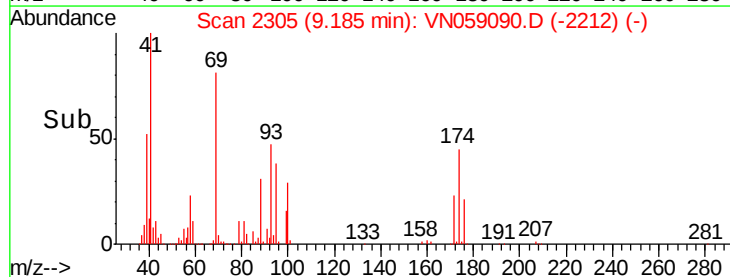
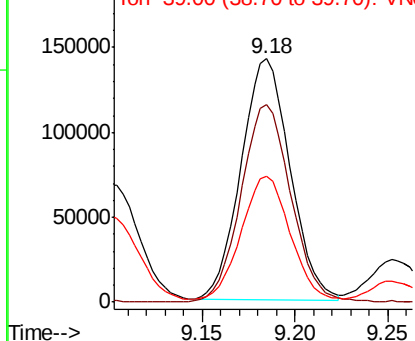


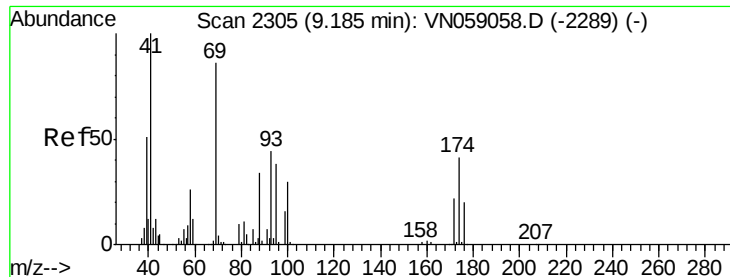
#48
Methyl methacrylate
Concen: 43.179 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 41 Resp: 262608
Ion Ratio Lower Upper
41 100
69 83.4 67.1 100.7
39 52.9 43.3 64.9



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





#49

1,4-Dioxane

Concen: 937.365 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

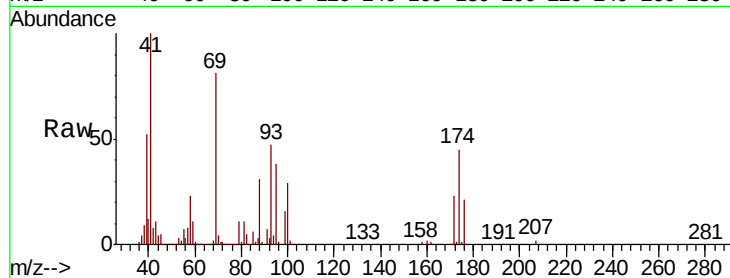
Tot Ion: 88 Resp: 92995

Ion Ratio Lower Upper

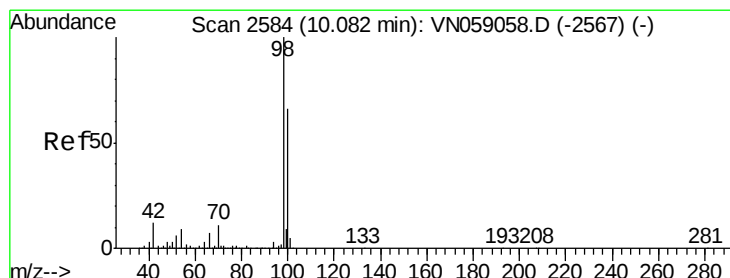
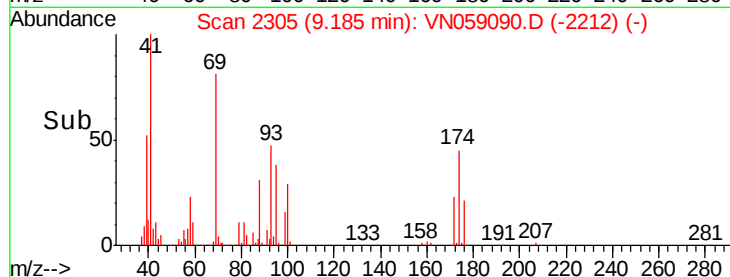
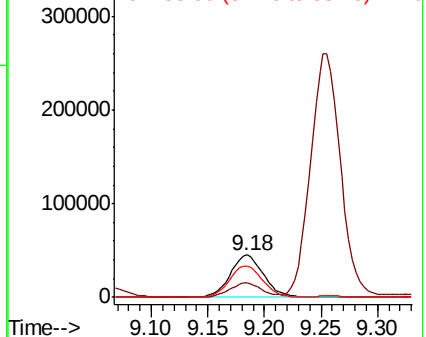
88 100

43 31.8 26.2 39.2

58 74.2 59.1 88.7



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



#50

Toluene-d8

Concen: 48.517 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059090.D

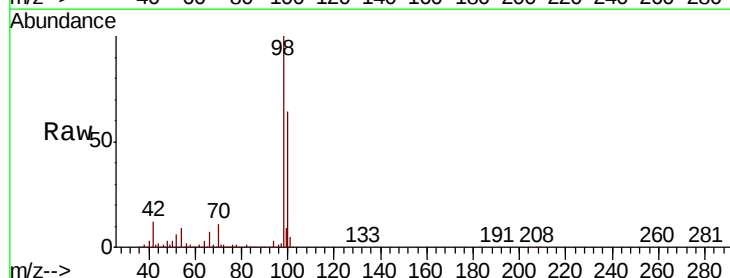
Acq: 5 Nov 2019 14:31

Tgt Ion: 98 Resp: 941204

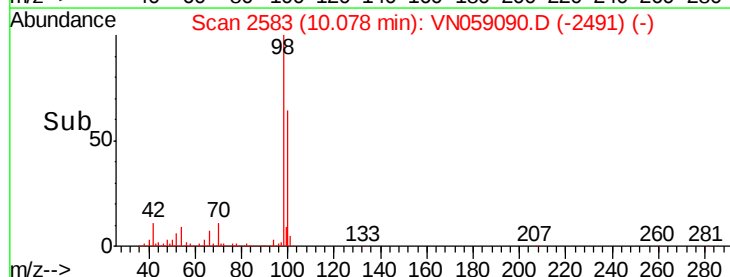
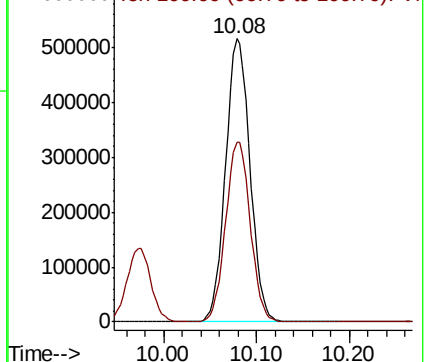
Ion Ratio Lower Upper

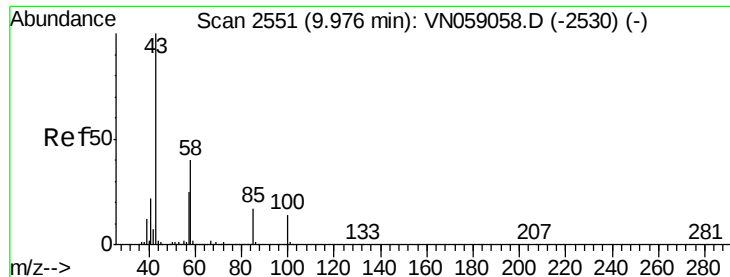
98 100

100 64.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 228.819 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

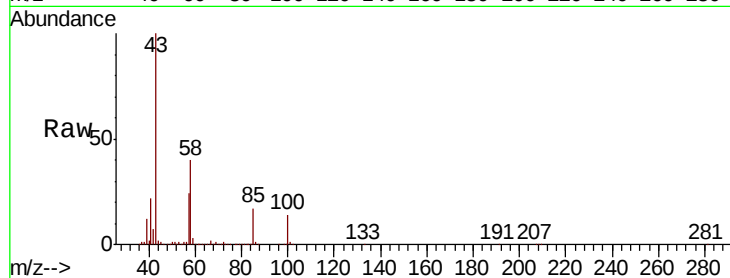
VSTDCCC050EC

Tot Ion: 43 Resp: 1773026

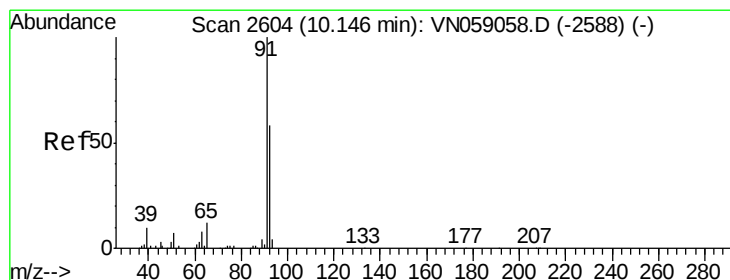
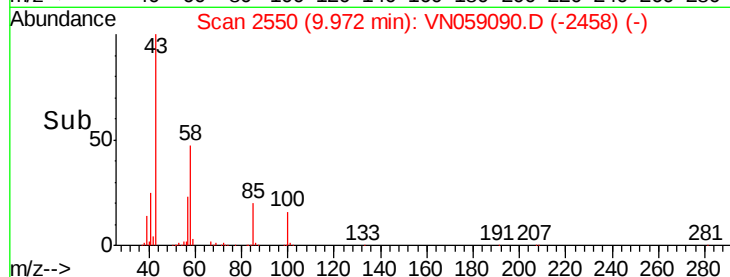
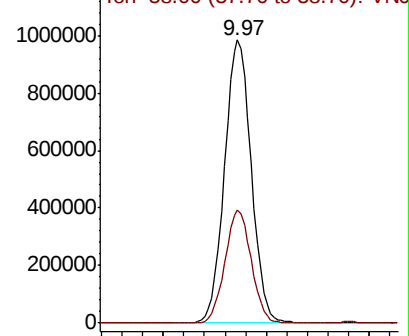
Ion Ratio Lower Upper

43 100

58 39.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)



#52

Toluene

Concen: 45.256 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059090.D

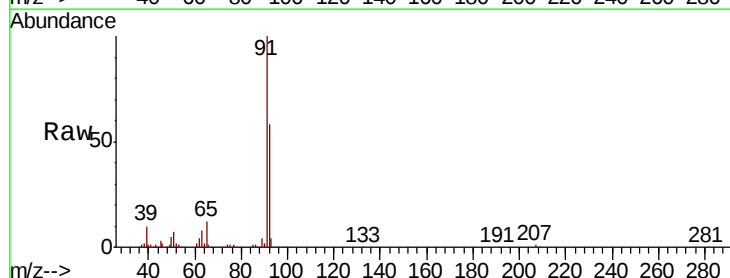
Acq: 5 Nov 2019 14:31

Tgt Ion: 92 Resp: 604123

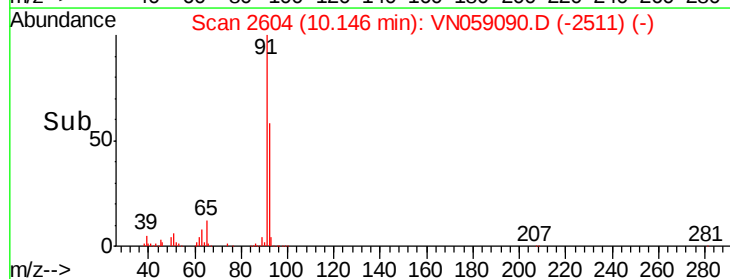
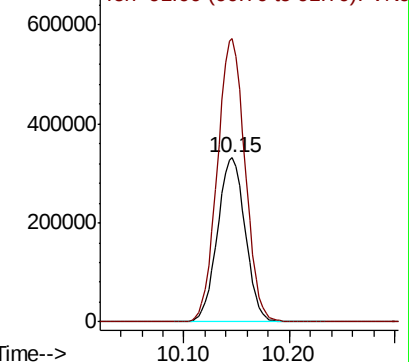
Ion Ratio Lower Upper

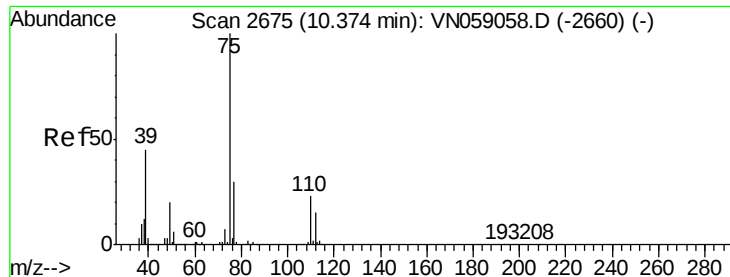
92 100

91 172.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 43.333 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

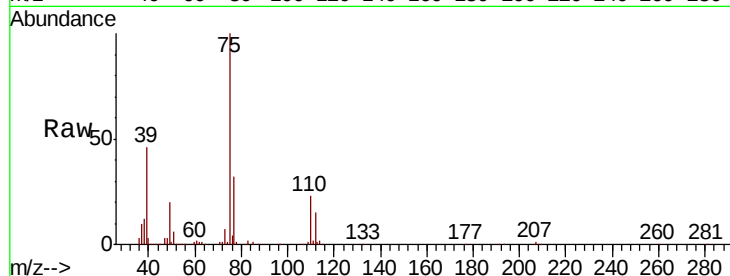
VSTDCCC050EC

Tot Ion: 75 Resp: 386418

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

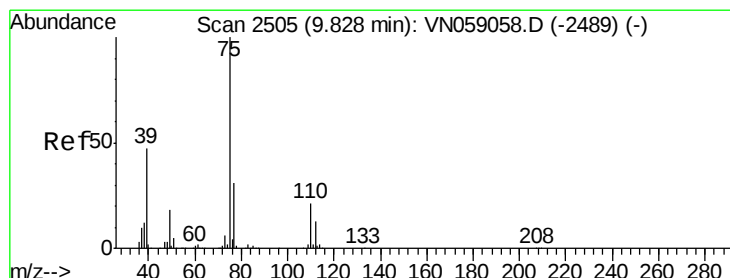
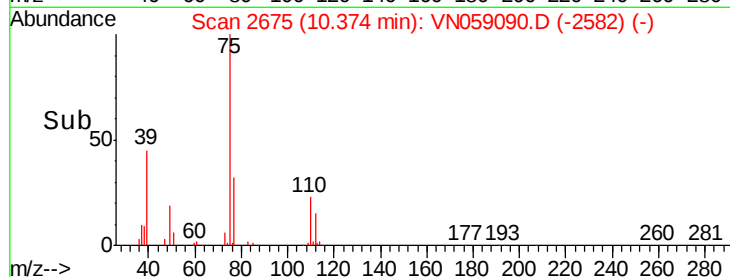
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.006 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

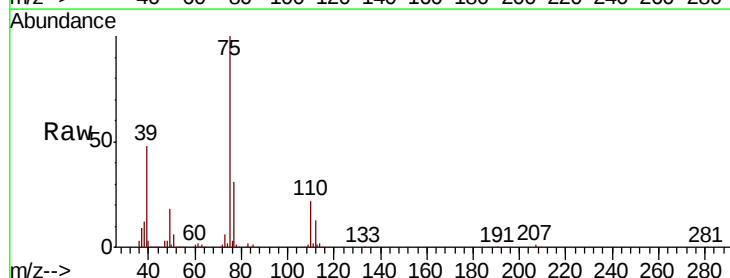
Tgt Ion: 75 Resp: 423323

Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 47.6 37.4 56.2



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

300000

250000

200000

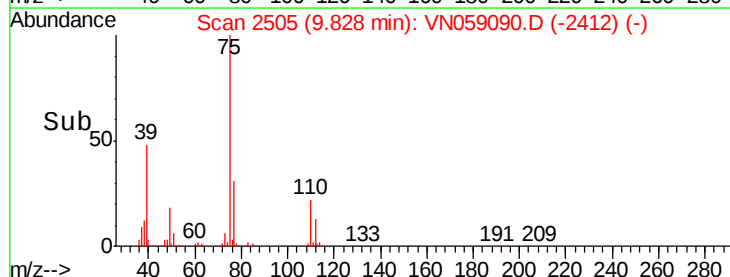
150000

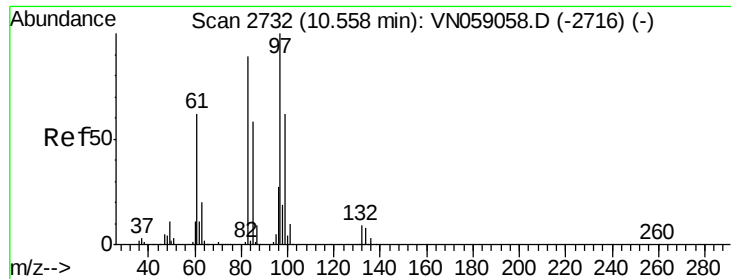
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 43.316 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 235543

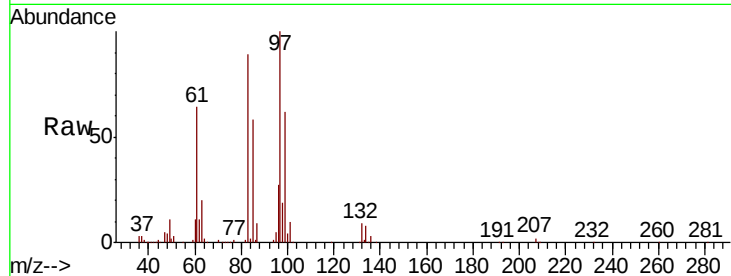
Ion Ratio Lower Upper

97 100

83 89.2 71.4 107.2

85 57.7 46.6 70.0

99 62.2 49.7 74.5

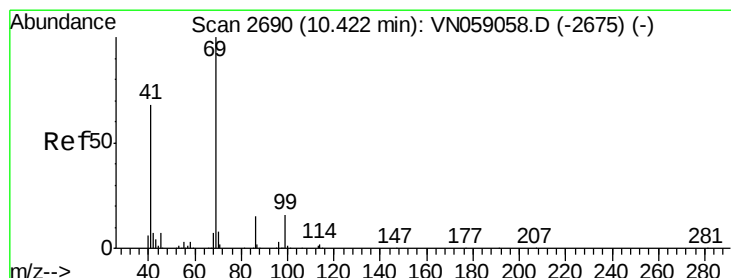
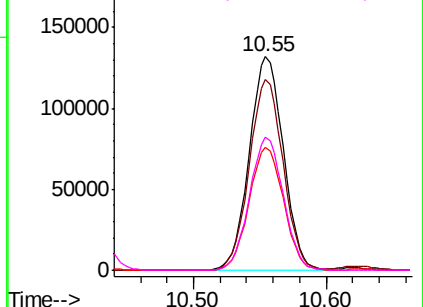
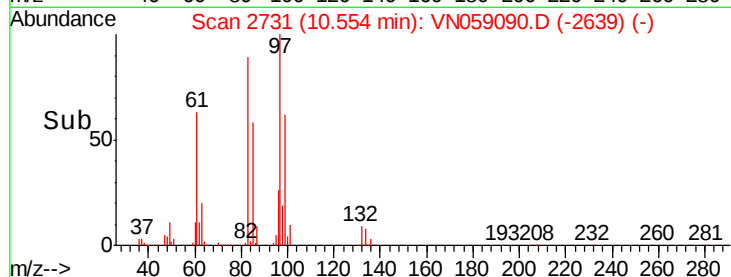


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 41.024 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

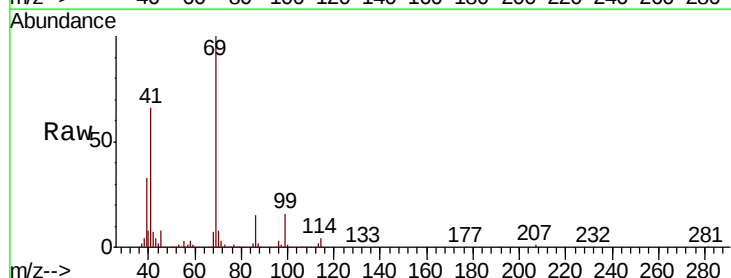
Tgt Ion: 69 Resp: 375260

Ion Ratio Lower Upper

69 100

41 66.8 53.8 80.8

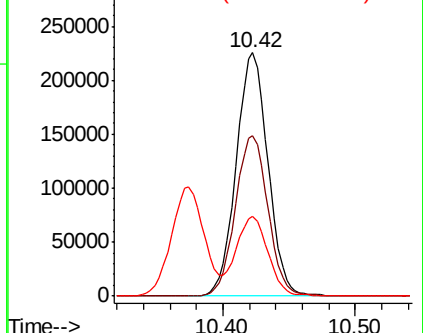
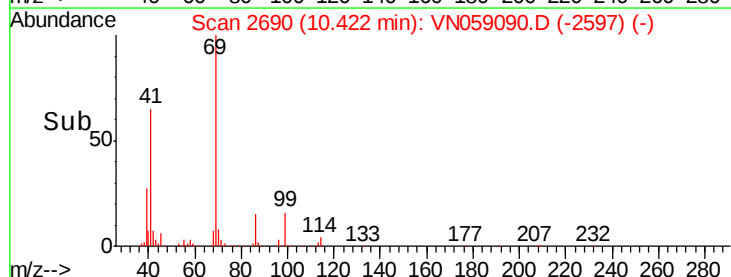
39 32.5 26.2 39.2

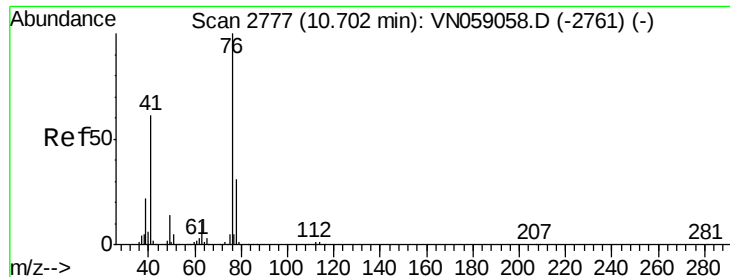


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 43.895 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

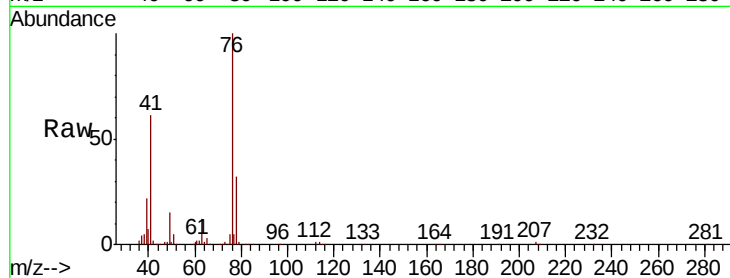
VSTDCCC050EC

Tot Ion: 76 Resp: 415114

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

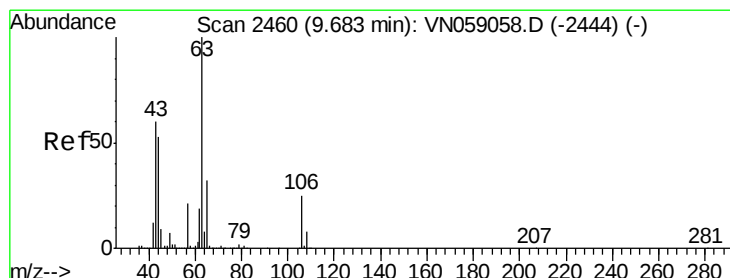
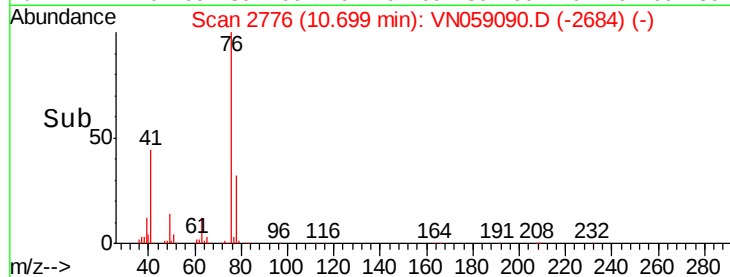
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 138.520 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059090.D

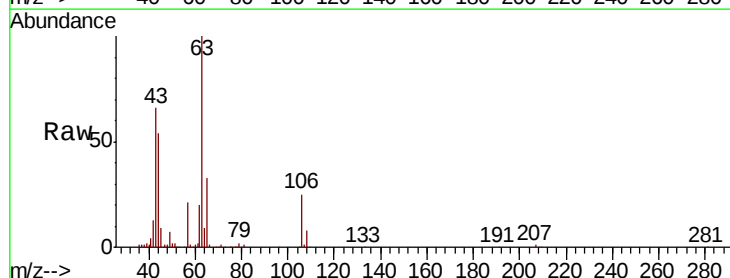
Acq: 5 Nov 2019 14:31

Tgt Ion: 63 Resp: 476618

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

250000

200000

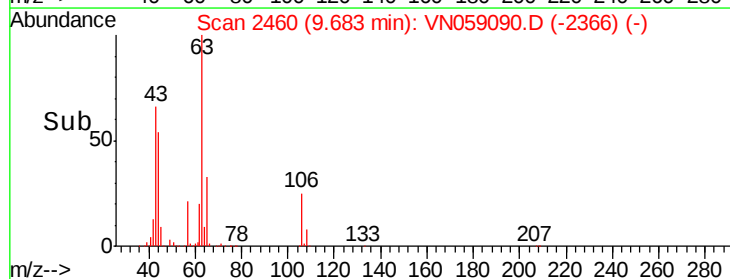
150000

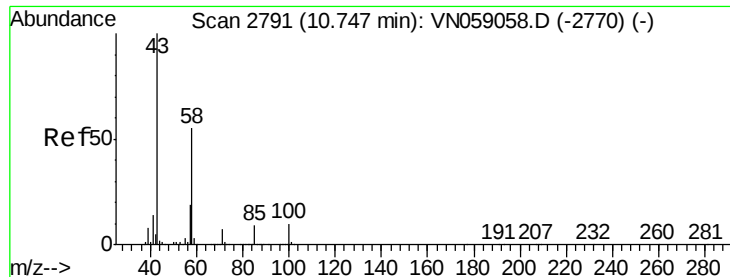
100000

50000

0

Time-->

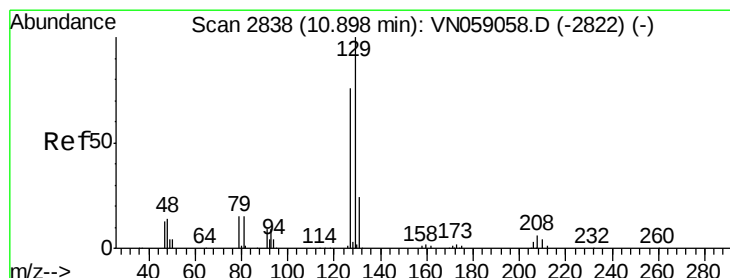
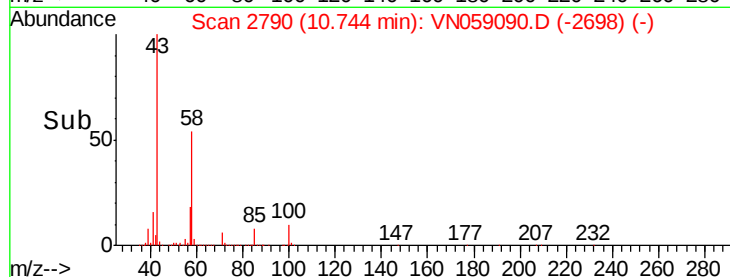
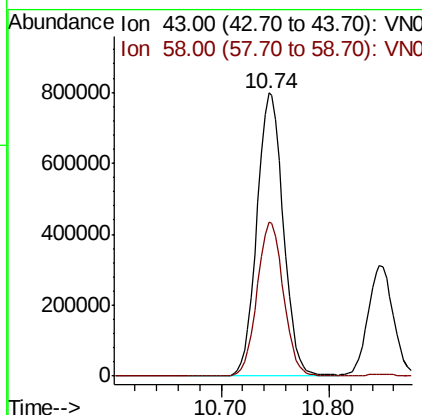
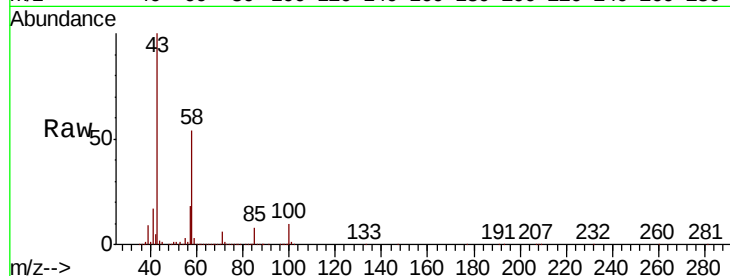




#59
2-Hexanone
Concen: 229.422 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

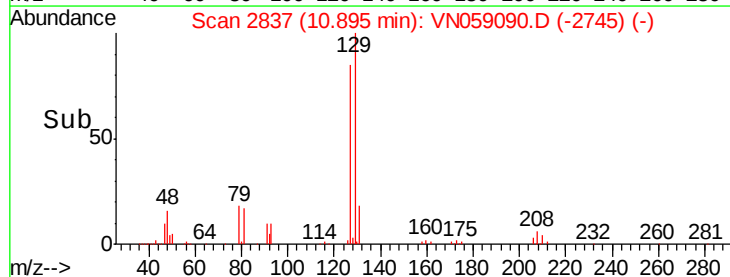
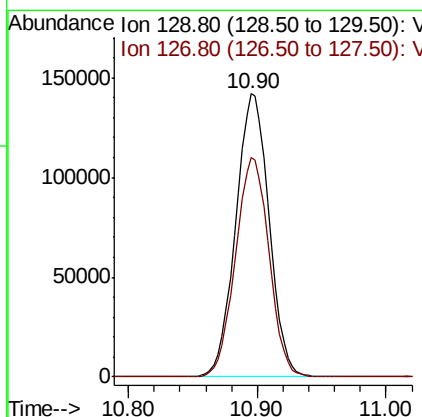
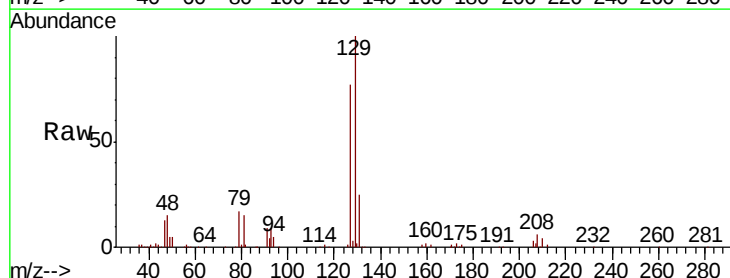
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

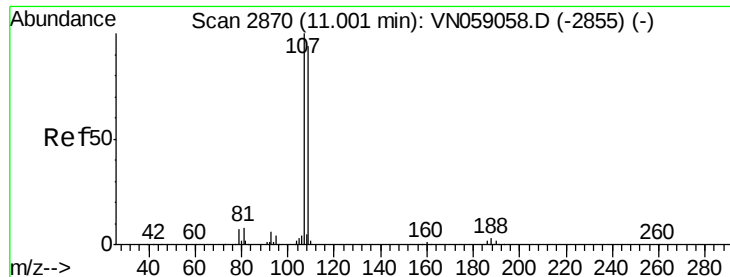
Tot Ion: 43 Resp: 1350518
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2



#60
Dibromochloromethane
Concen: 43.501 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 129 Resp: 254928
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 43.373 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

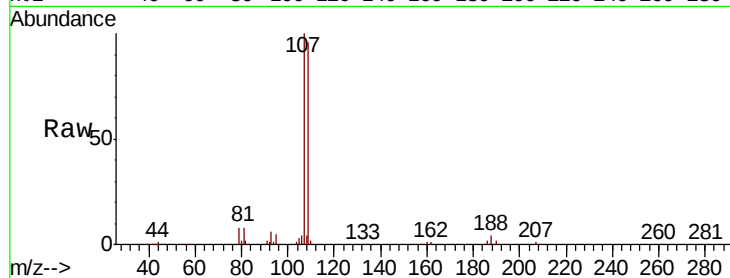
VSTDCCC050EC

Tot Ion: 107 Resp: 238930

Ion Ratio Lower Upper

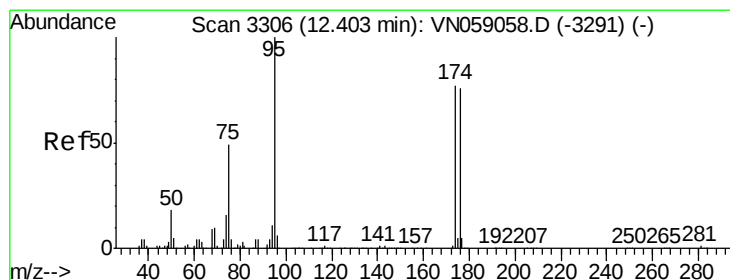
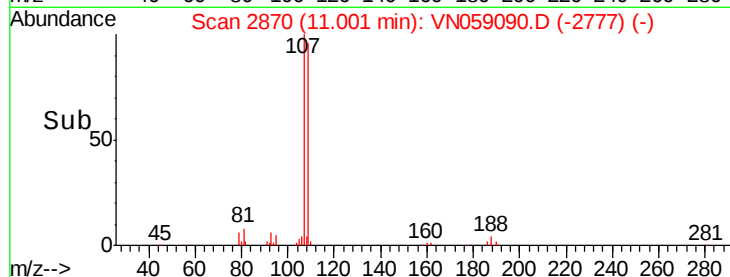
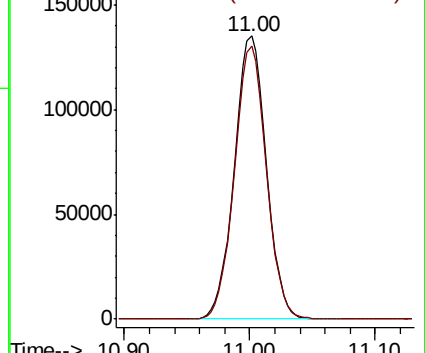
107 100

109 96.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.765 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

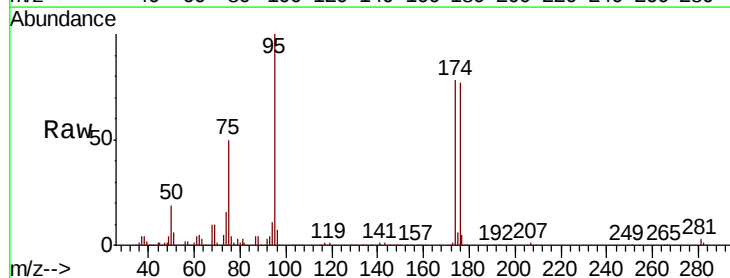
Tgt Ion: 95 Resp: 340070

Ion Ratio Lower Upper

95 100

174 77.8 0.0 155.8

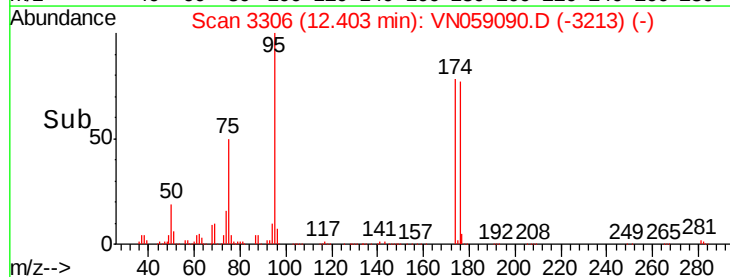
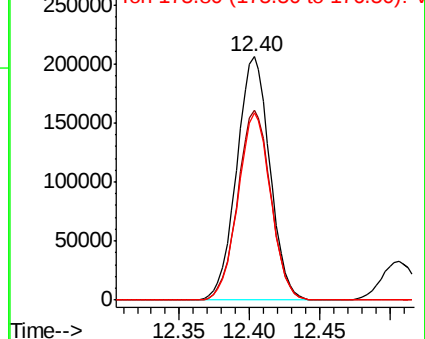
176 76.0 0.0 151.6

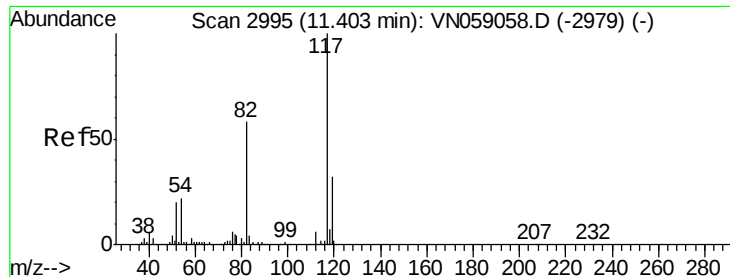


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

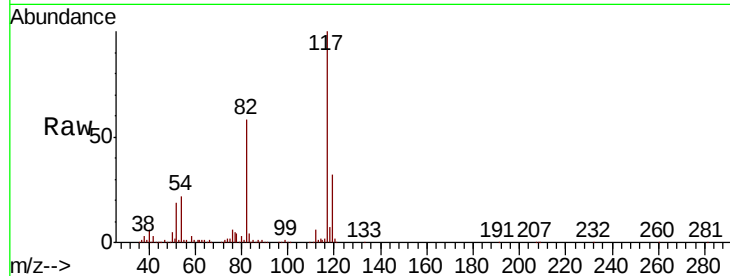
Tot Ion:117 Resp: 702294

Ion Ratio Lower Upper

117 100

82 57.8 46.0 69.0

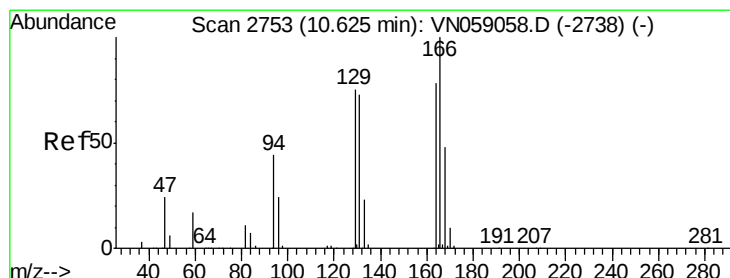
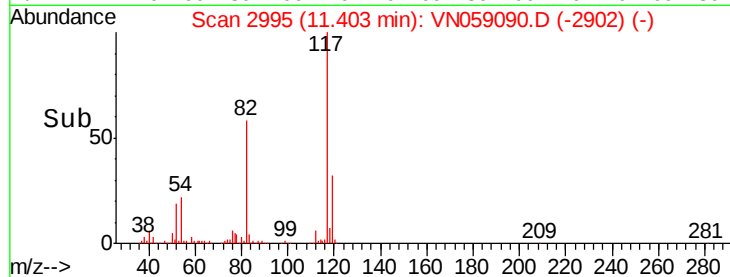
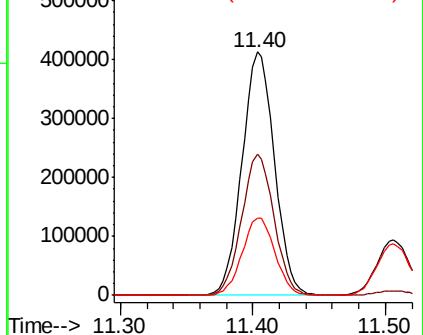
119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.885 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:164 Resp: 215291

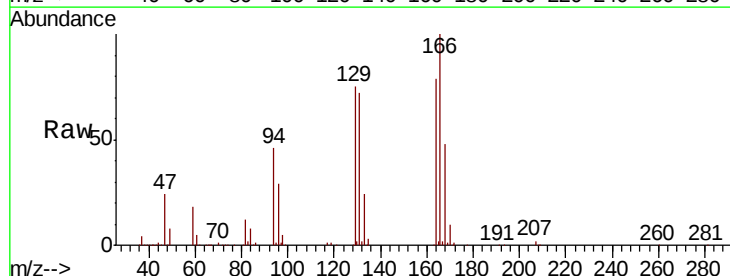
Ion Ratio Lower Upper

164 100

166 126.7 102.7 154.1

129 95.7 77.3 115.9

131 91.4 74.8 112.2

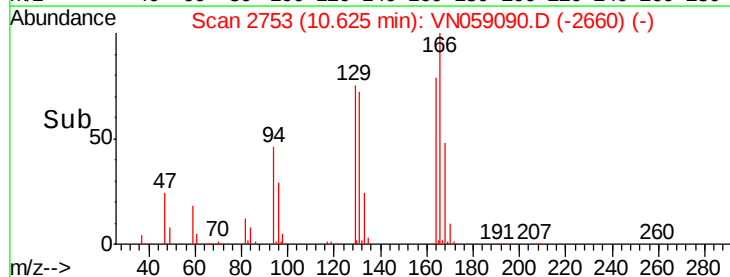
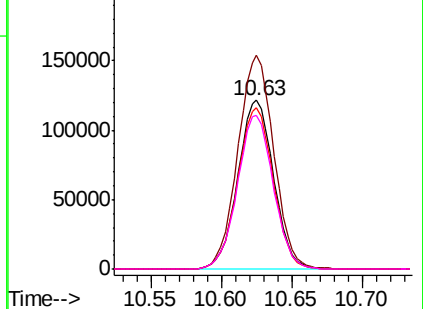


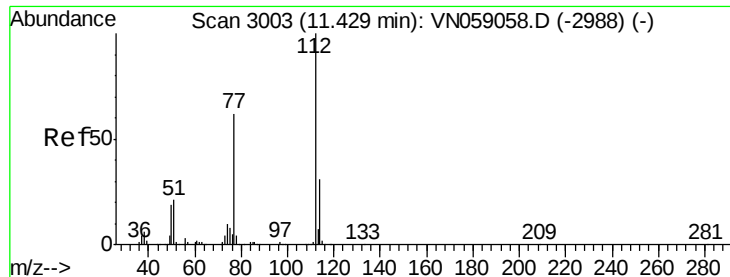
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 43.421 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

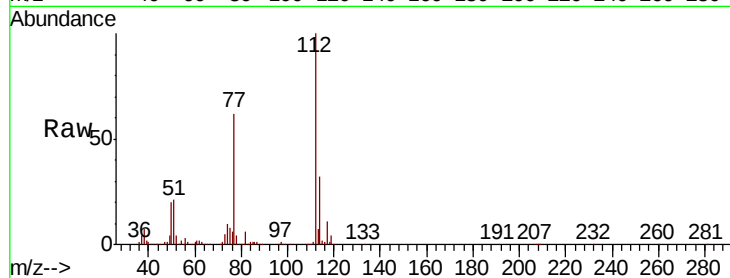
VSTDCCC050EC

Tot Ion:112 Resp: 625871

Ion Ratio Lower Upper

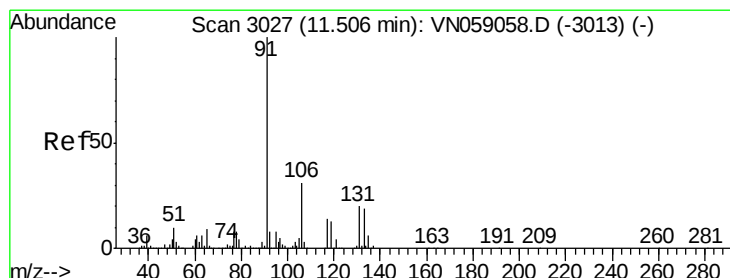
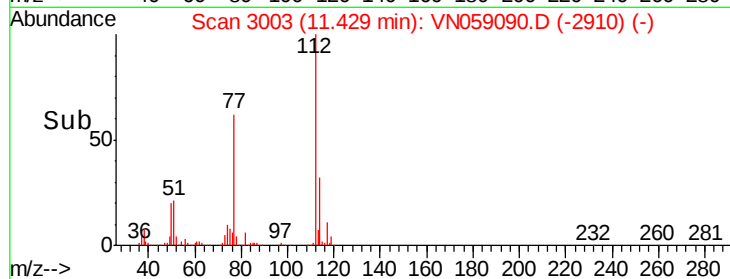
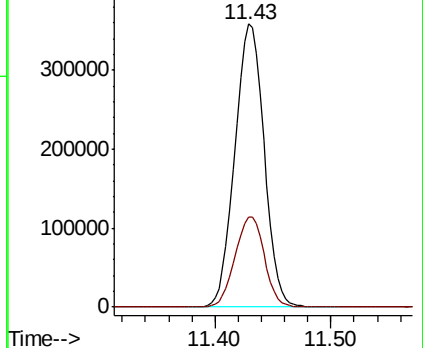
112 100

114 31.8 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 43.779 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

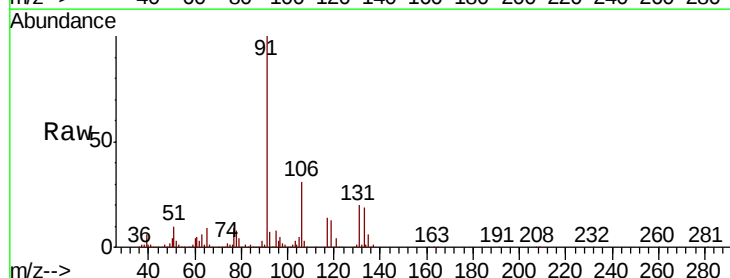
Tgt Ion:131 Resp: 232165

Ion Ratio Lower Upper

131 100

133 96.5 47.9 143.6

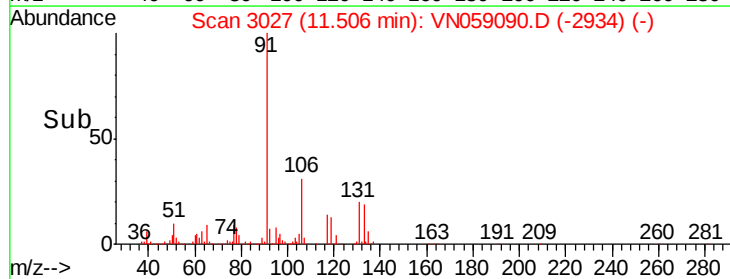
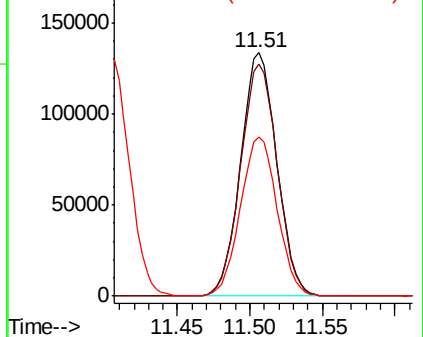
119 66.5 33.5 100.5

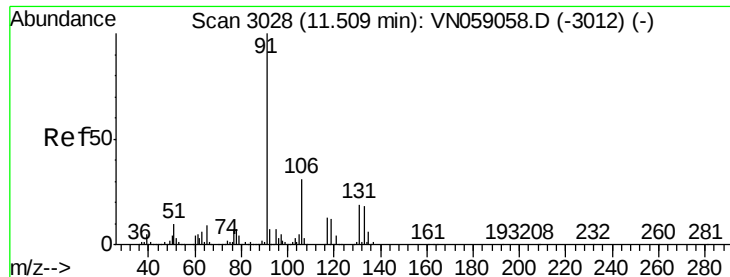


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.137 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

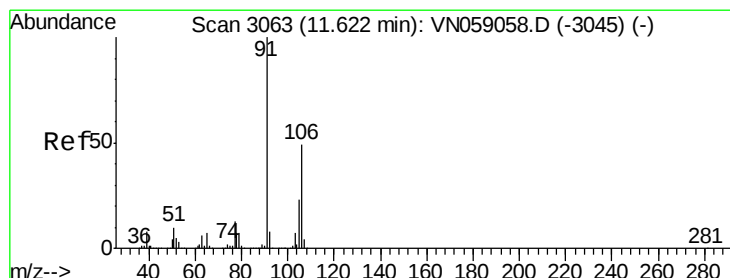
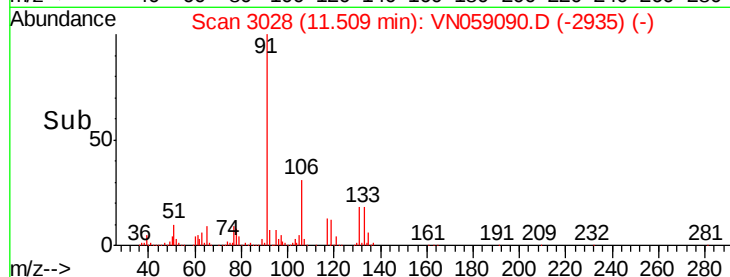
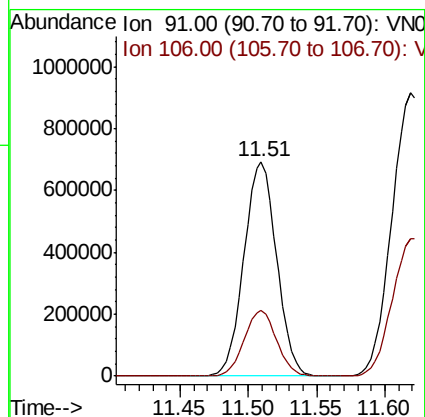
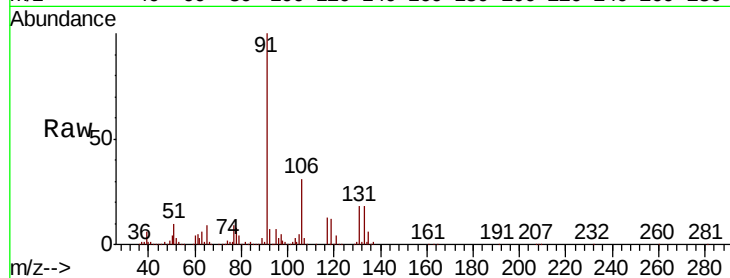
VSTDCCC050EC

Tot Ion: 91 Resp: 1151205

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 92.005 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059090.D

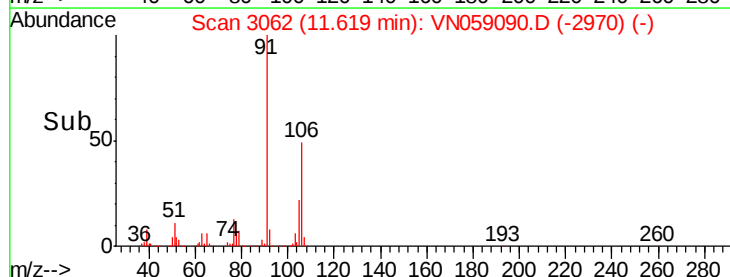
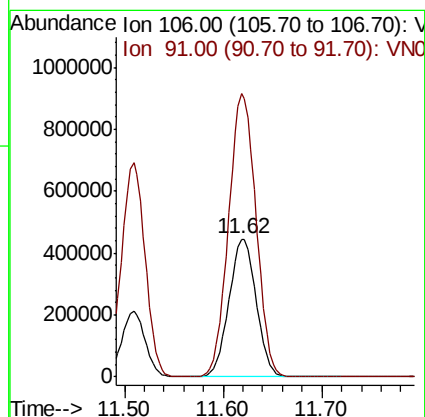
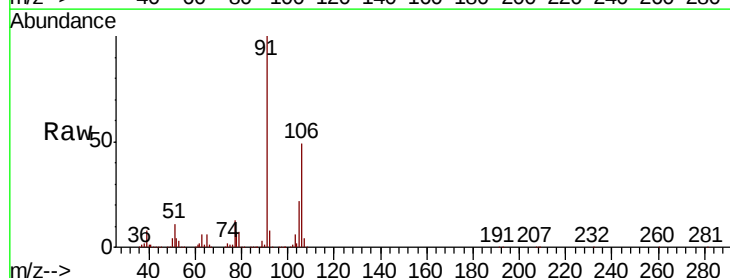
Acq: 5 Nov 2019 14:31

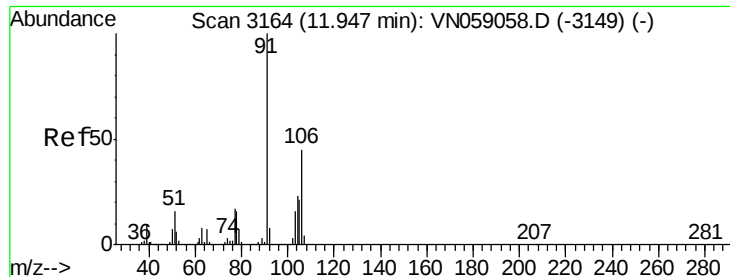
Tgt Ion: 106 Resp: 857241

Ion Ratio Lower Upper

106 100

91 207.5 165.7 248.5

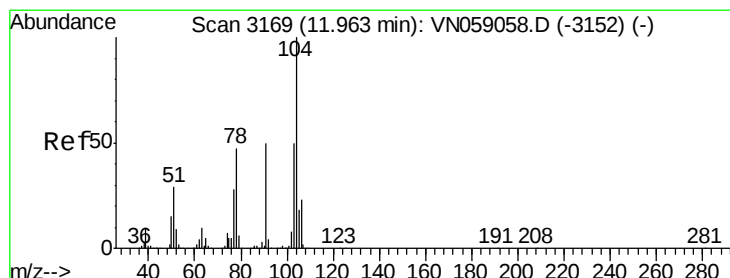
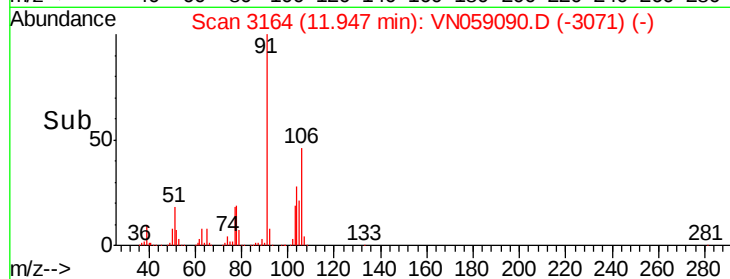
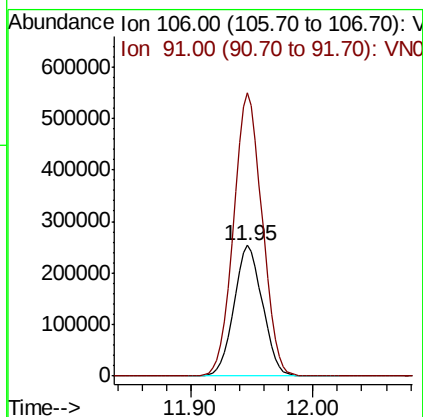
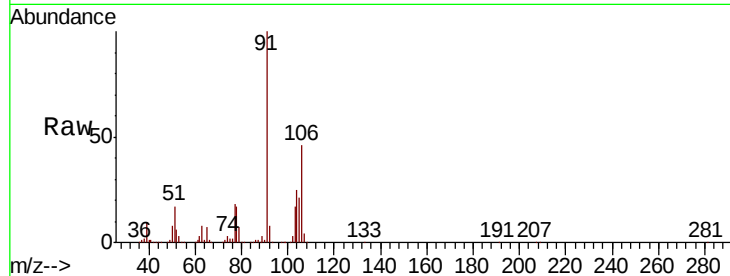




#69
o-Xylene
Concen: 46.026 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

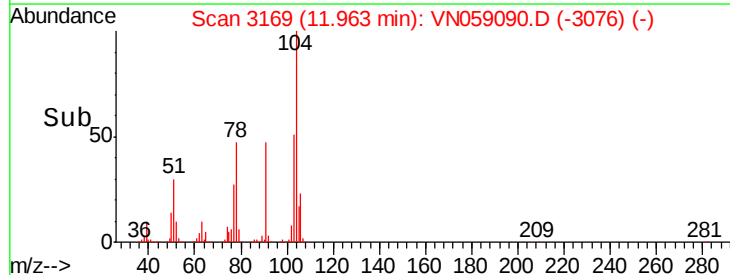
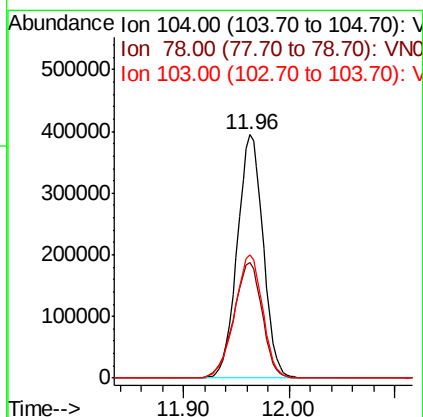
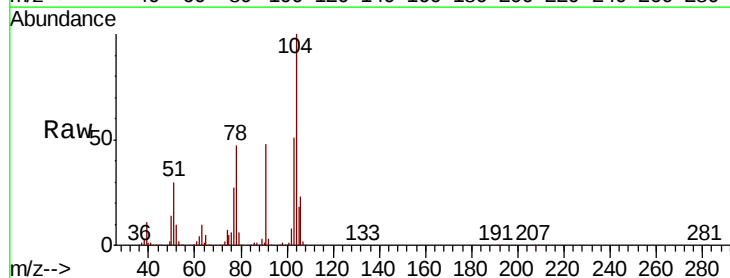
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

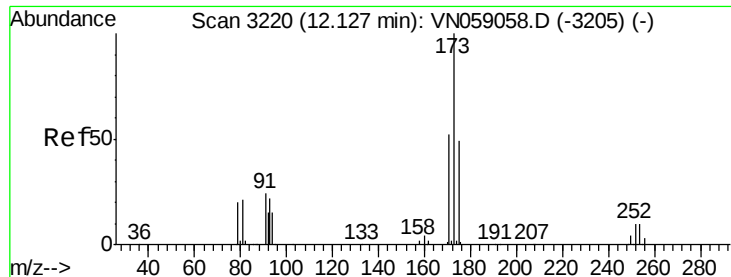
Tot Ion:106 Resp: 409499
Ion Ratio Lower Upper
106 100
91 218.0 110.4 331.2



#70
Styrene
Concen: 46.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:104 Resp: 672276
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 45.095 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

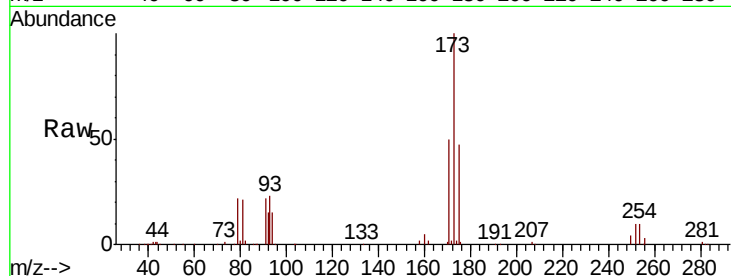
Tot Ion:173 Resp: 185104

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.2

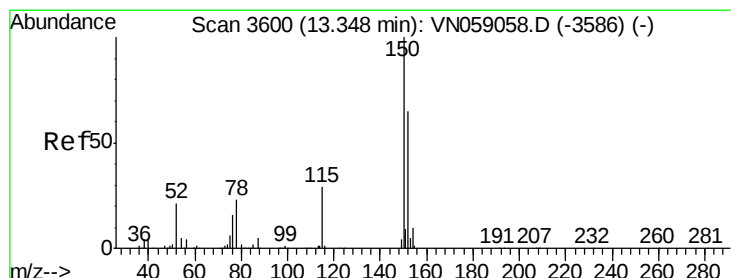
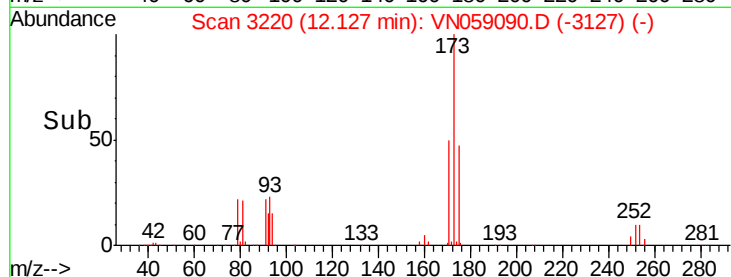
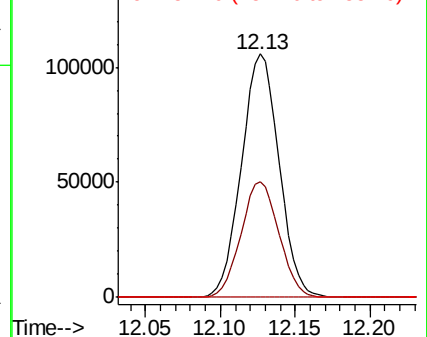
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

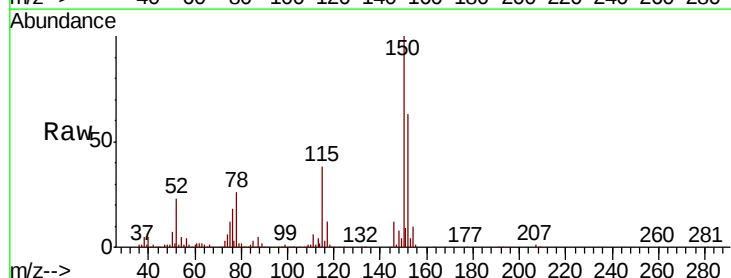
Tgt Ion:152 Resp: 336447

Ion Ratio Lower Upper

152 100

115 59.5 29.6 88.9

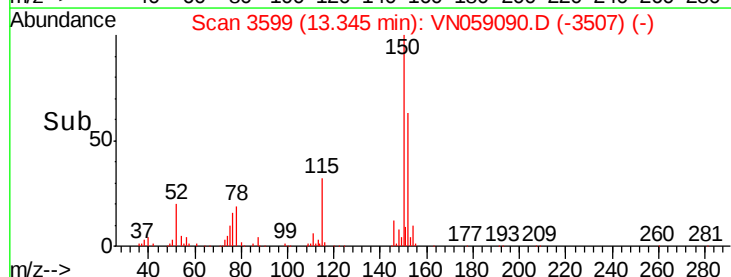
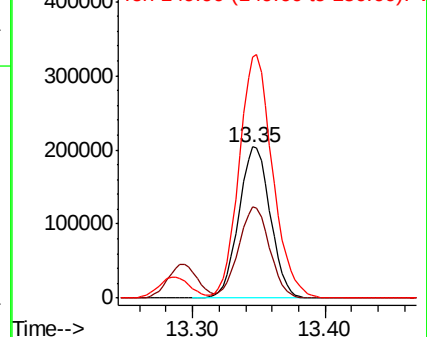
150 170.9 0.0 345.8

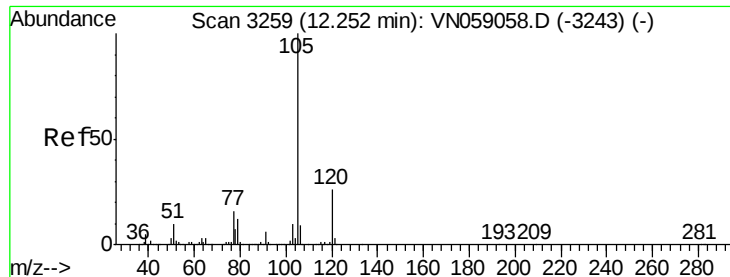


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.675 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

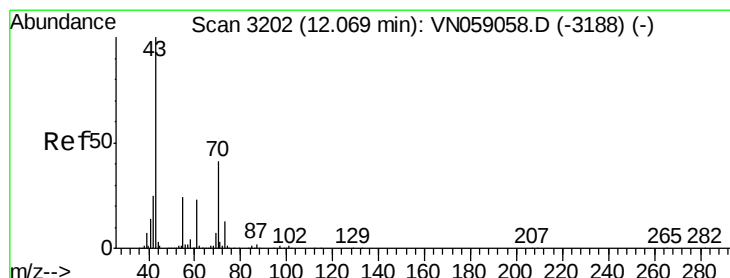
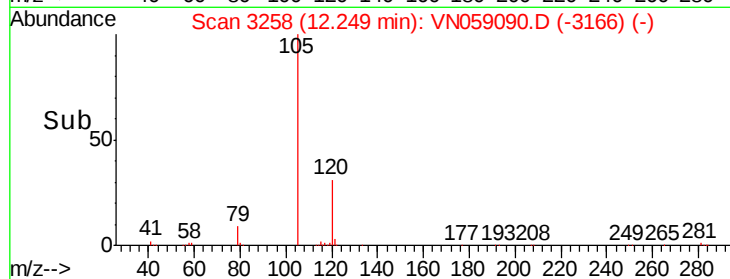
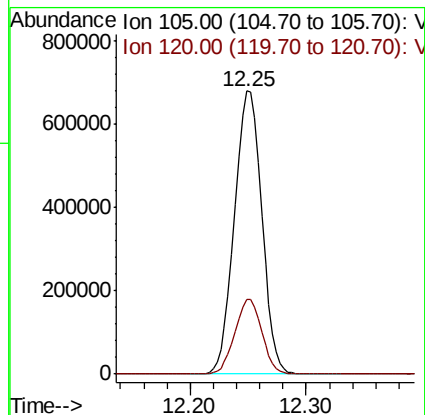
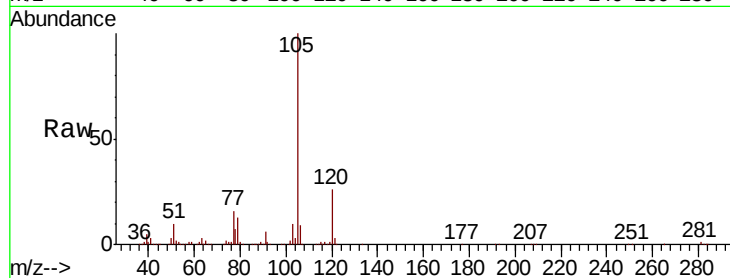
VSTDCCC050EC

Tot Ion:105 Resp: 1105768

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 43.775 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion: 43 Resp: 481982

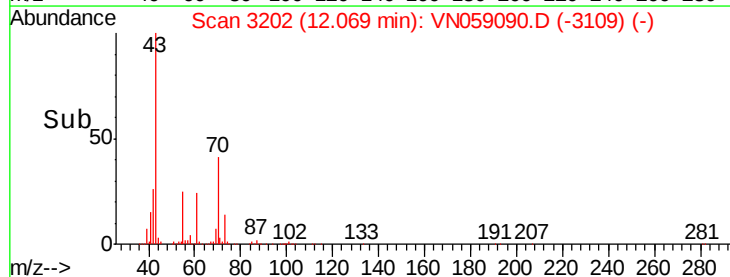
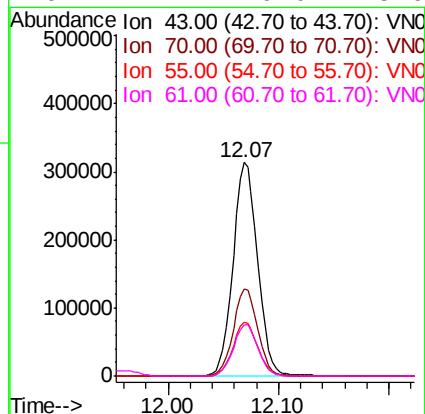
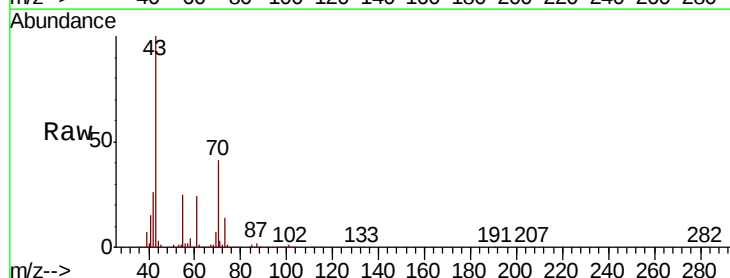
Ion Ratio Lower Upper

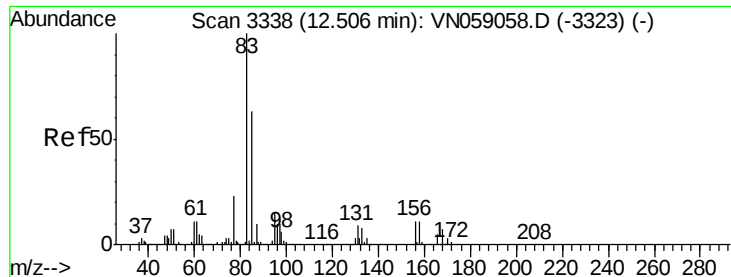
43 100

70 40.3 32.6 49.0

55 25.7 19.7 29.5

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 40.685 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

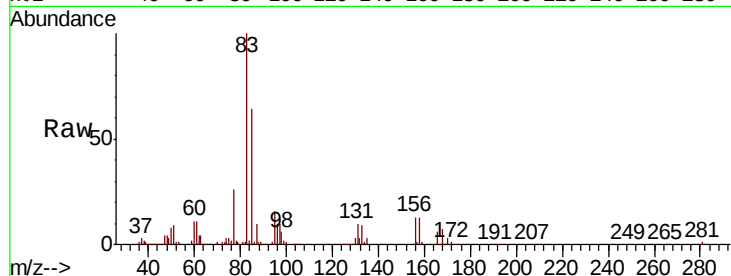
Tot Ion: 83 Resp: 358714

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059090.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059090.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059090.D (-3245) (-)

12.51

250000

200000

150000

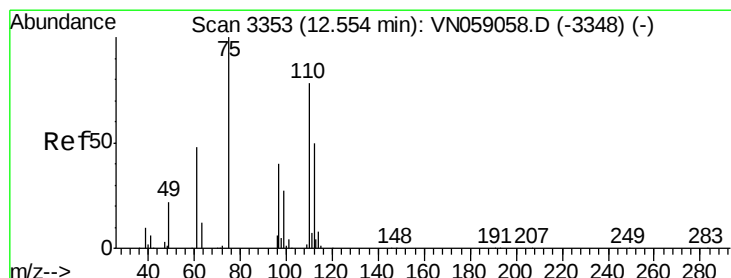
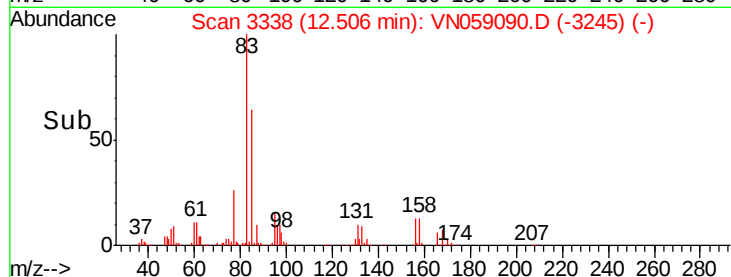
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 60.808 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059090.D

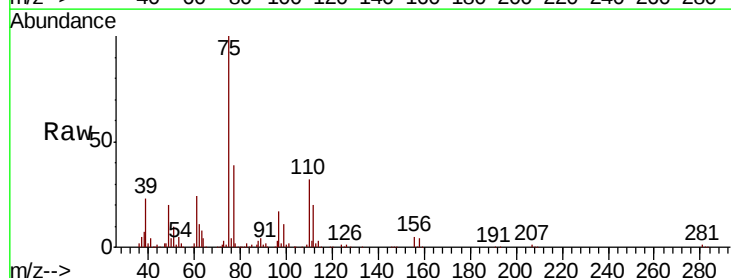
Acq: 5 Nov 2019 14:31

Tgt Ion: 75 Resp: 484138

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059090.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059090.D (-3260) (-)

300000

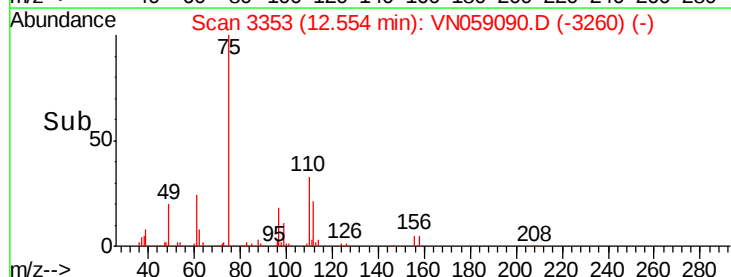
200000

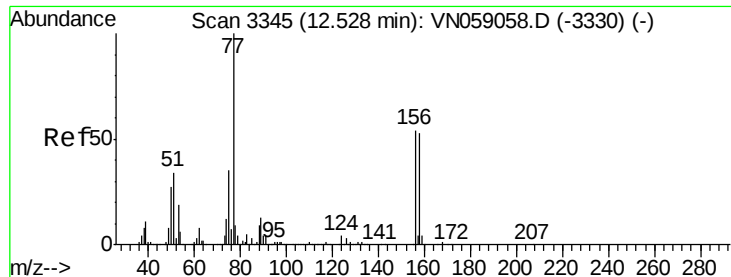
100000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 43.295 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

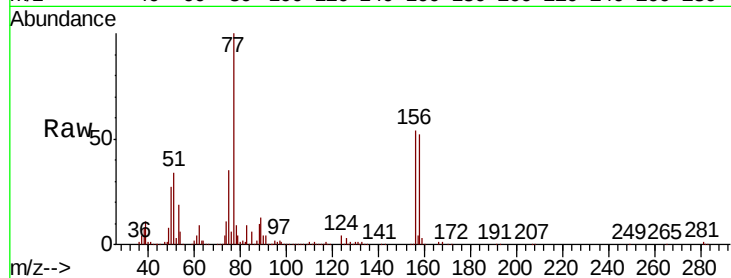
Tot Ion:156 Resp: 267949

Ion Ratio Lower Upper

156 100

77 223.0 114.2 342.6

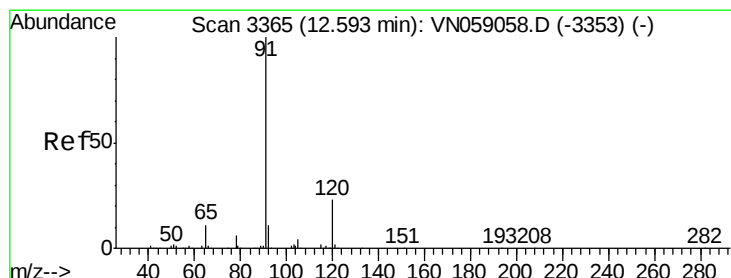
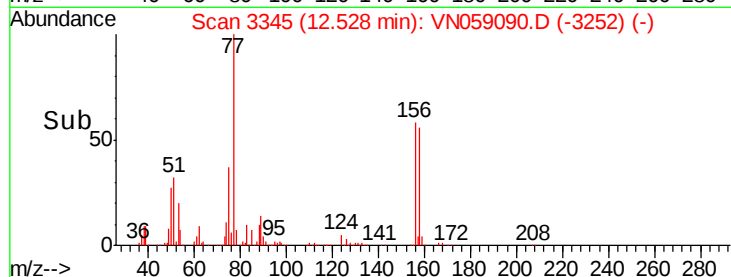
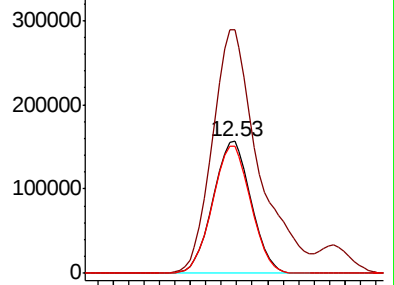
158 97.0 49.6 149.0



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: 45.443 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059090.D

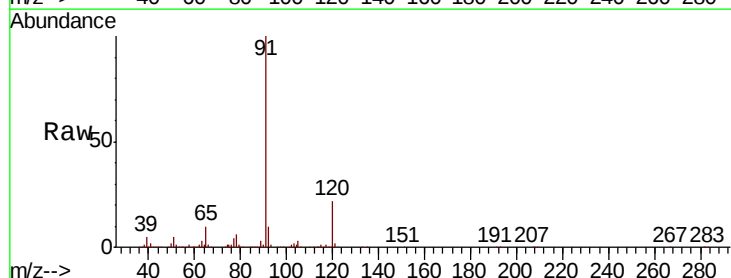
Acq: 5 Nov 2019 14:31

Tgt Ion: 91 Resp: 1302716

Ion Ratio Lower Upper

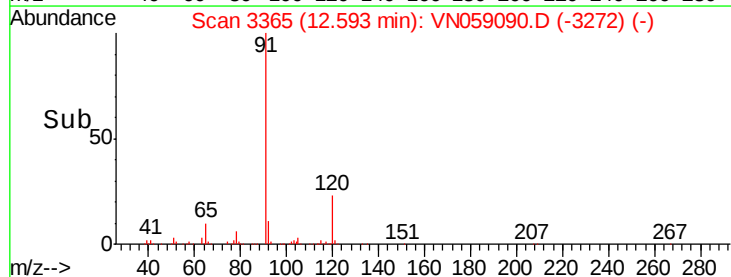
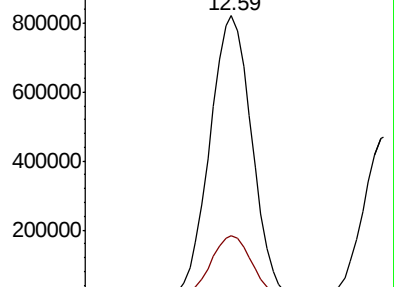
91 100

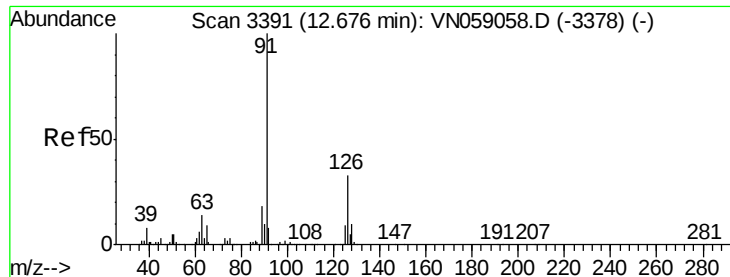
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

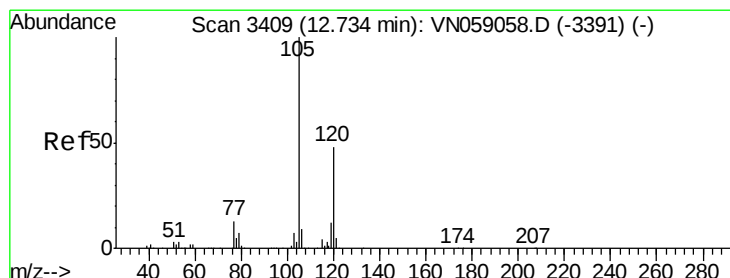
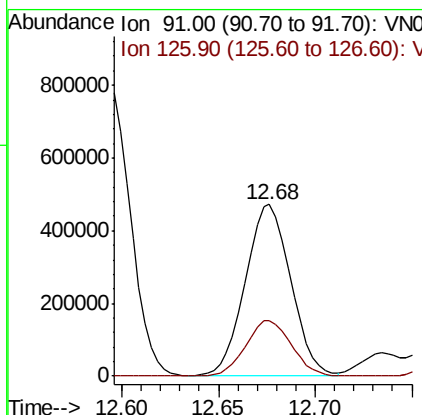
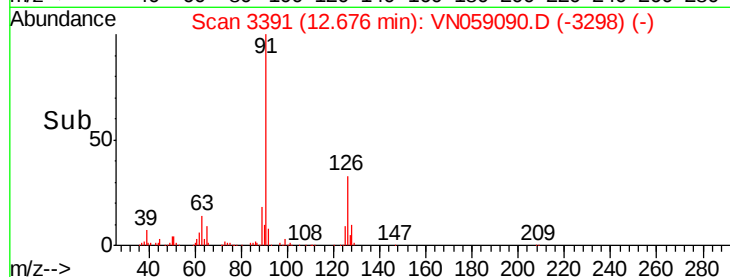
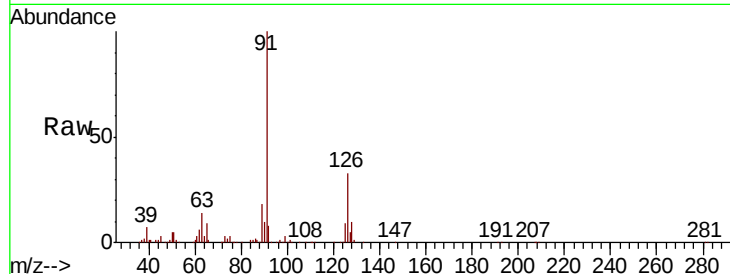




#79
2-Chlorotoluene
Concen: 43.427 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

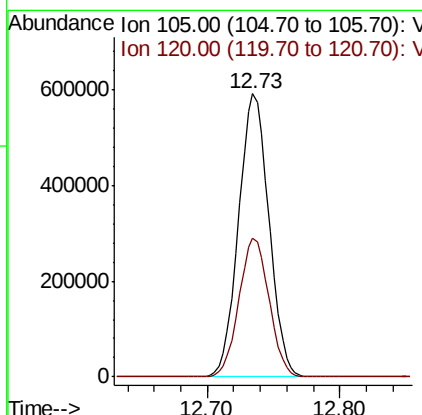
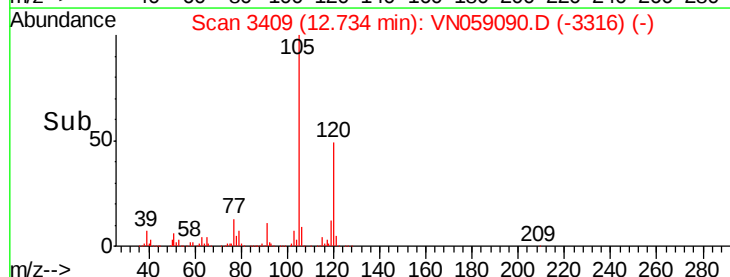
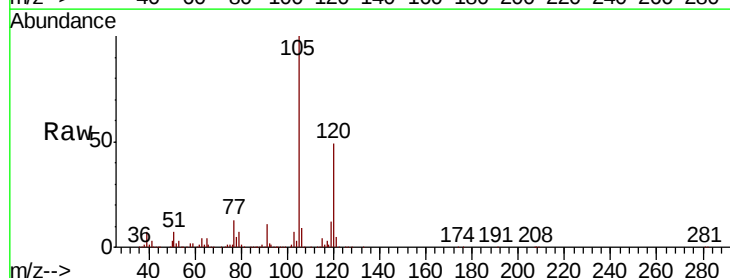
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

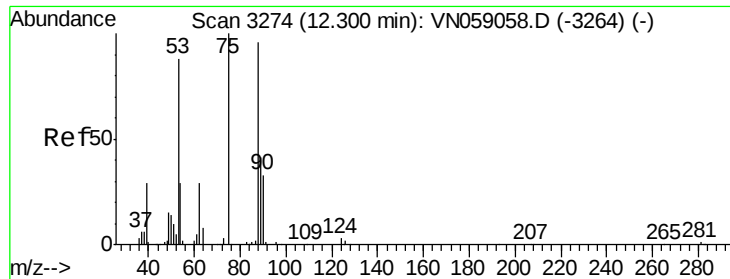
Tot Ion: 91 Resp: 773008
Ion Ratio Lower Upper
91 100
126 32.8 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 44.585 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 105 Resp: 937904
Ion Ratio Lower Upper
105 100
120 48.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 41.353 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

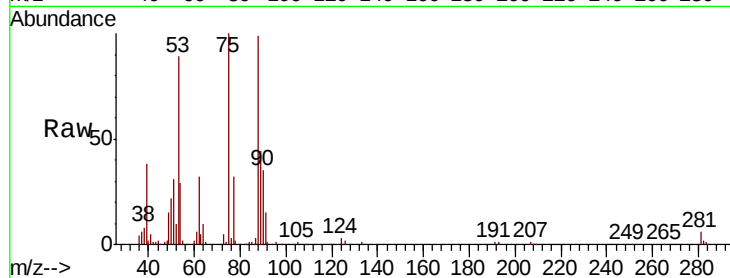
Tot Ion: 75 Resp: 128433

Ion Ratio Lower Upper

75 100

53 91.8 70.4 105.6

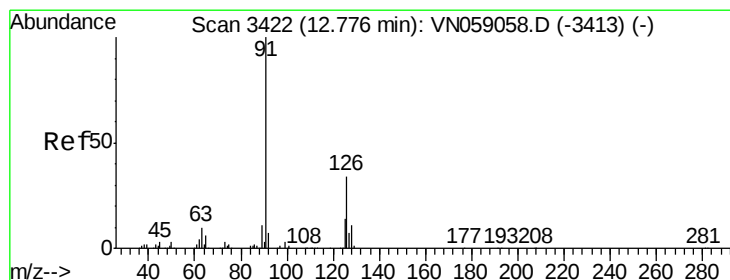
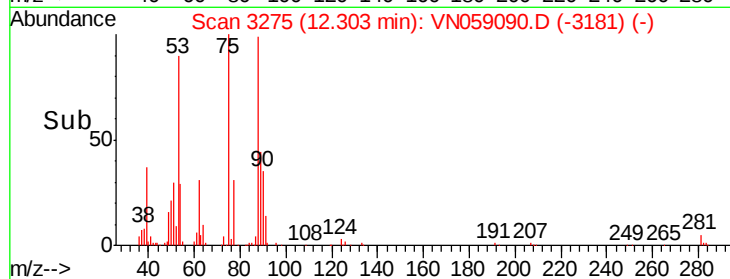
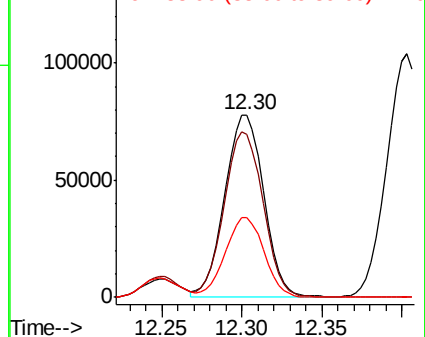
89 44.3 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 43.478 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN059090.D

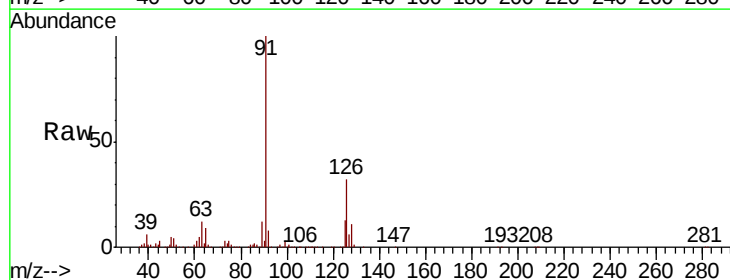
Acq: 5 Nov 2019 14:31

Tgt Ion: 91 Resp: 789852

Ion Ratio Lower Upper

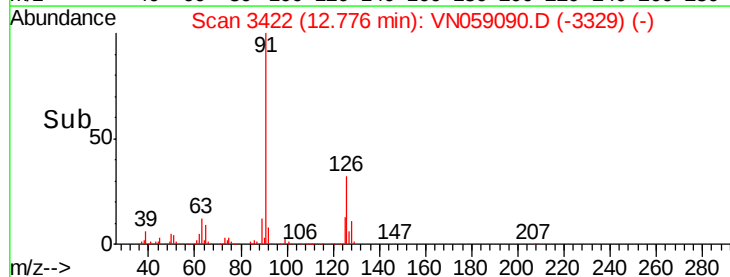
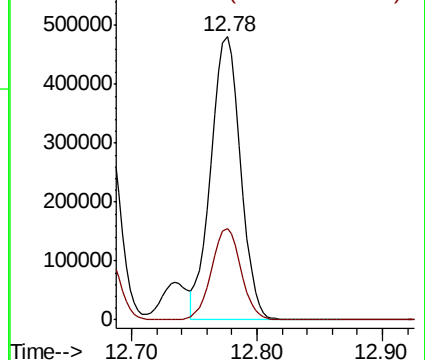
91 100

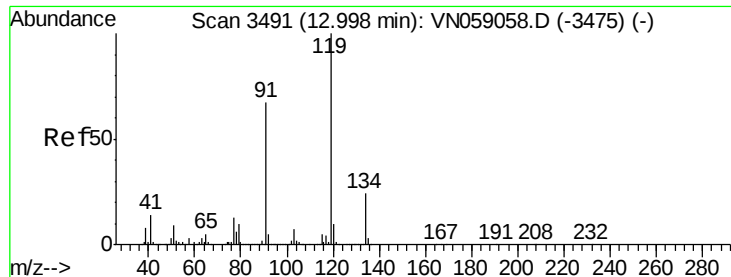
126 32.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

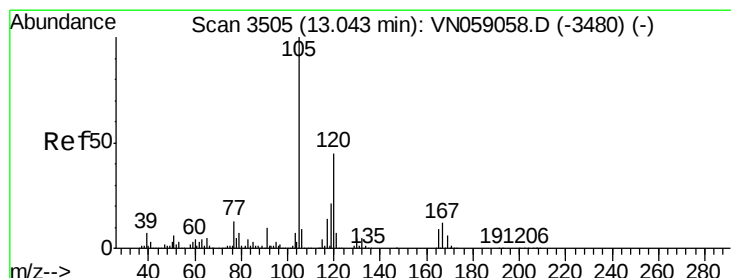
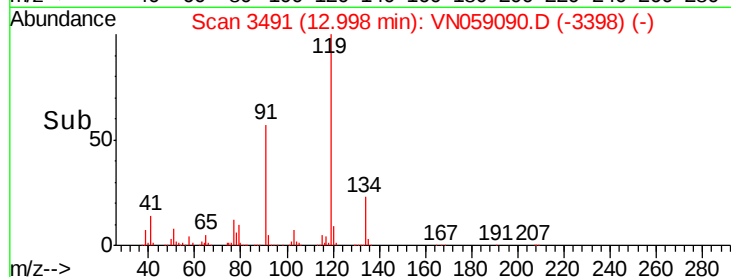
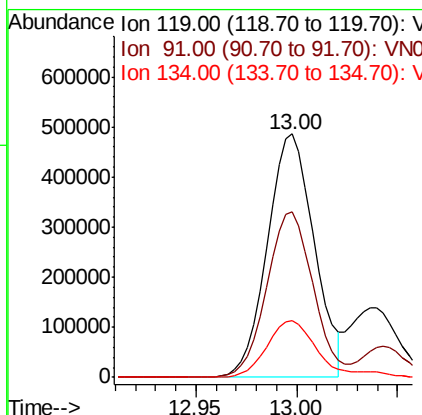
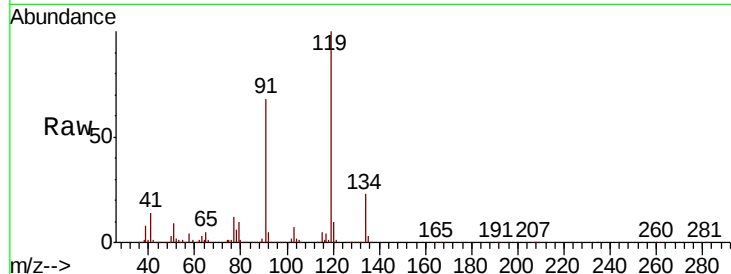




#83
tert-Butylbenzene
Concen: 43.835 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

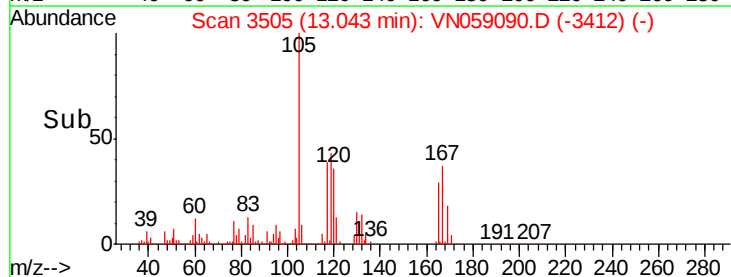
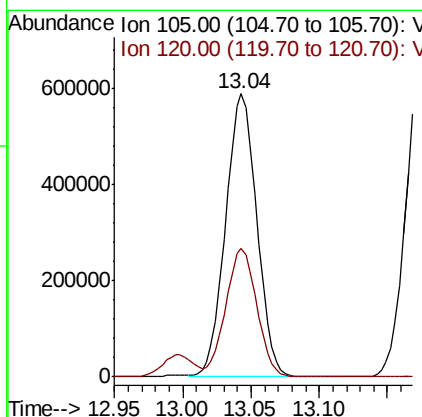
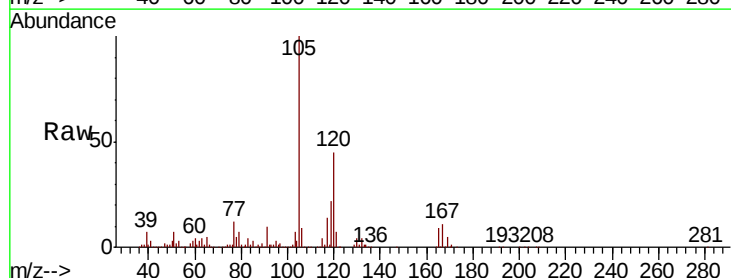
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

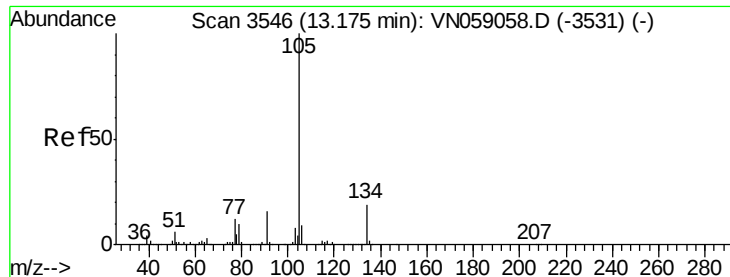
Tot Ion:119 Resp: 783329
Ion Ratio Lower Upper
119 100
91 66.9 33.7 101.0
134 25.8 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 45.709 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:105 Resp: 934299
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 45.317 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

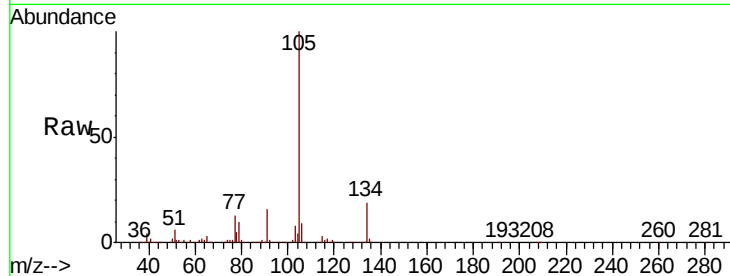
VSTDCCC050EC

Tot Ion:105 Resp: 1061359

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

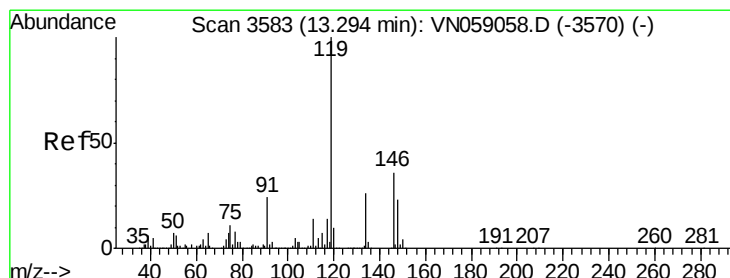
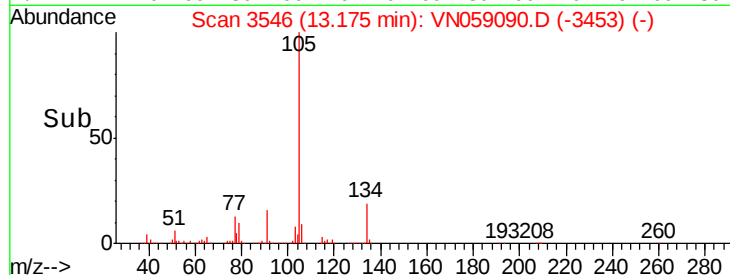
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.800 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

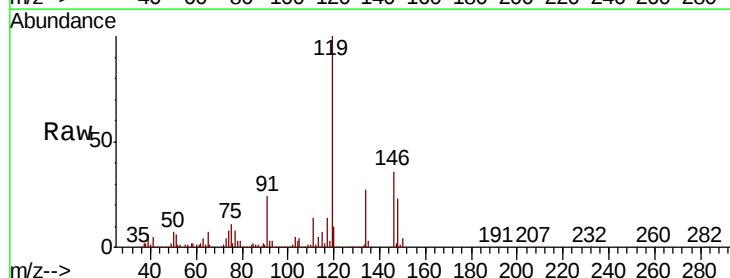
Tgt Ion:119 Resp: 967067

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.7 12.0 36.0



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

13.29

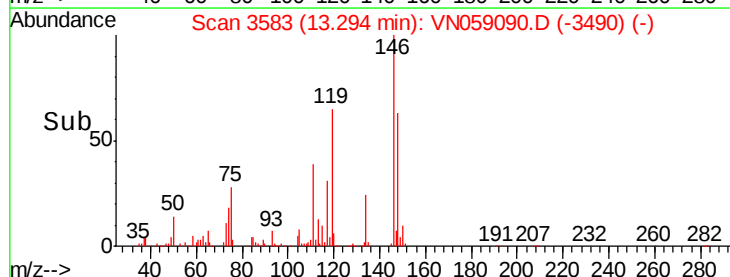
600000

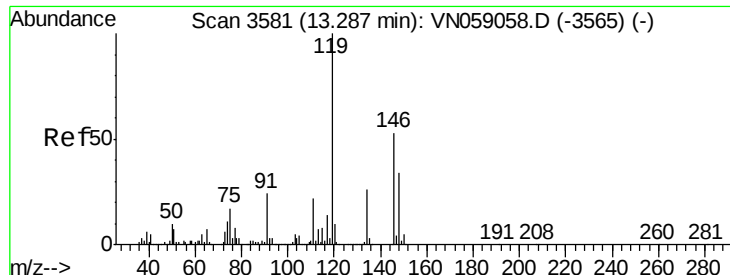
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 42.958 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

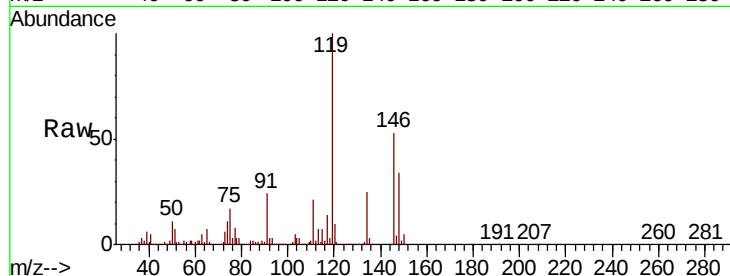
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 472369

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.2	31.8	95.3

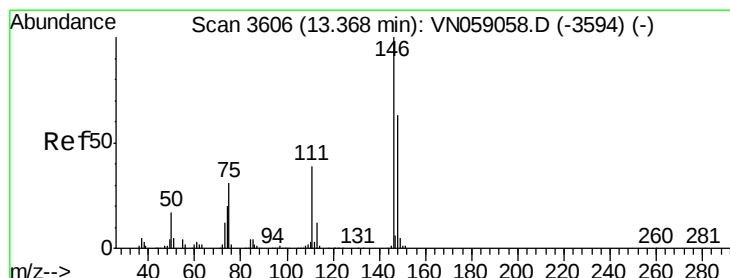
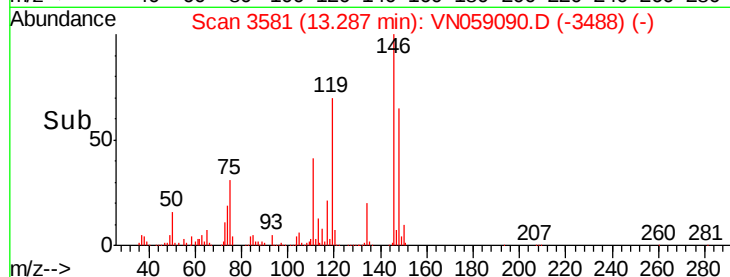
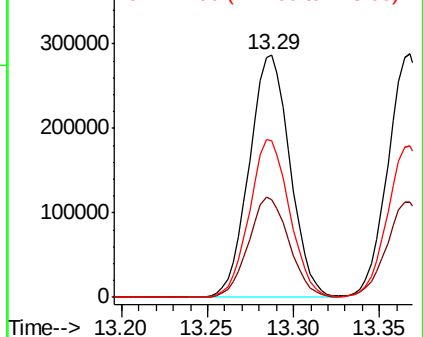


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 43.217 ug/l

RT: 13.37 min Scan# 3606

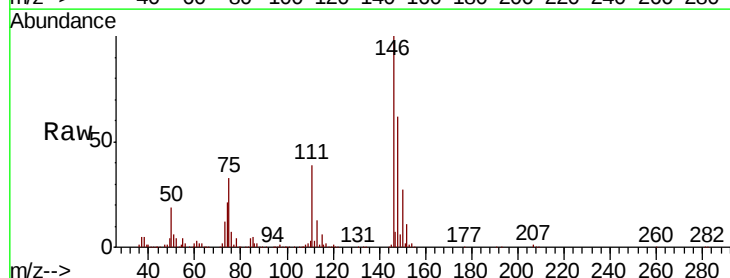
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:146 Resp: 470073

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.6	31.9	95.7

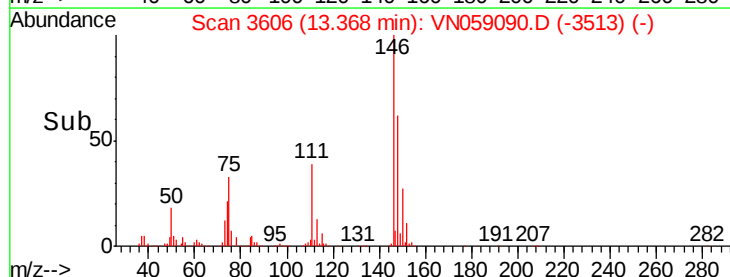
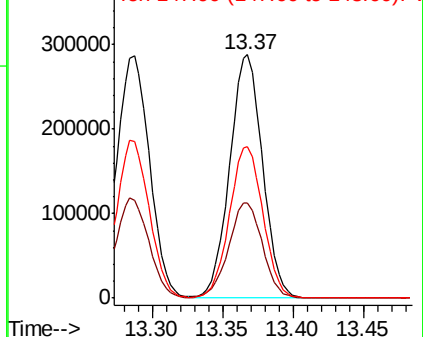


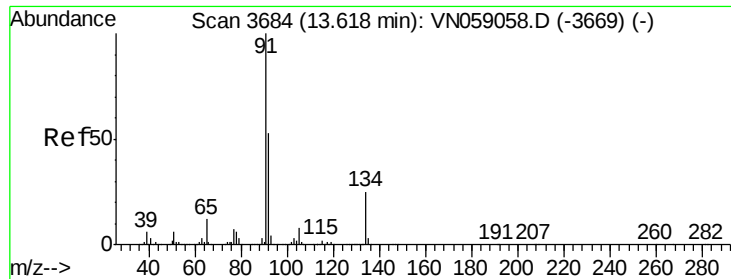
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

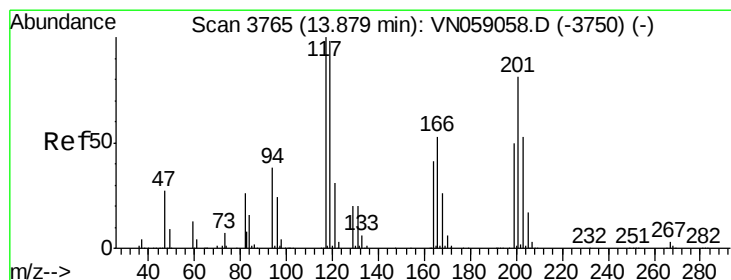
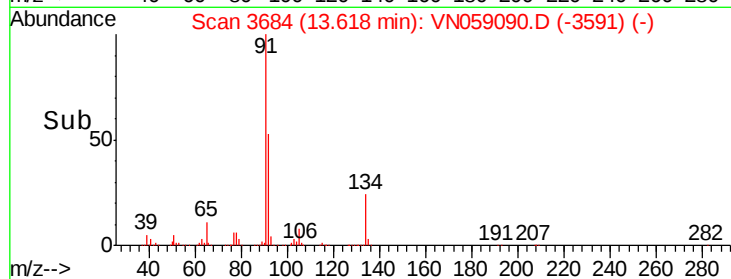
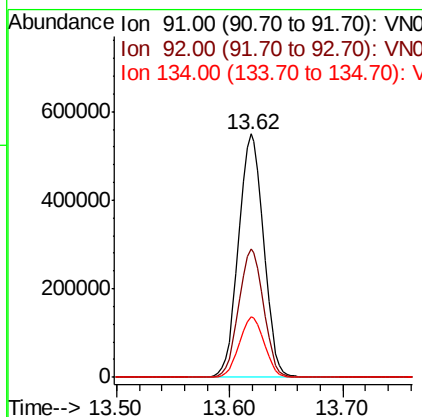
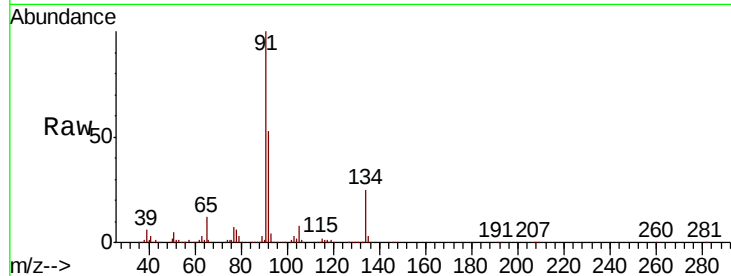




#89
n-Butylbenzene
Concen: 46.326 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

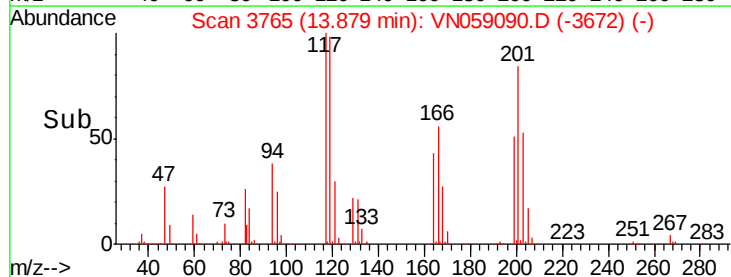
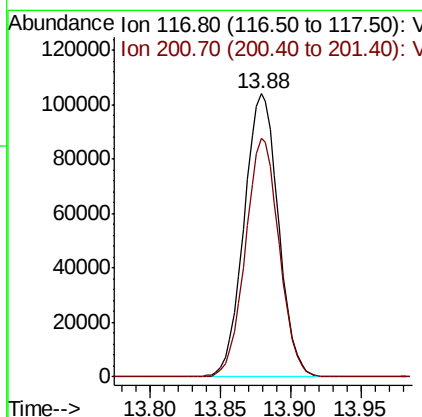
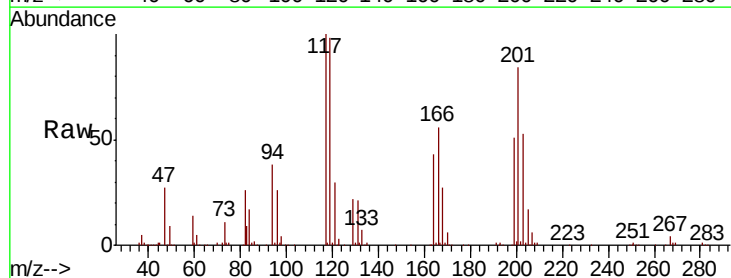
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

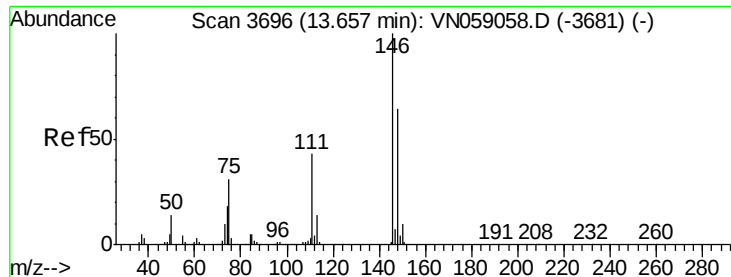
Tot Ion: 91 Resp: 852322
Ion Ratio Lower Upper
91 100
92 52.2 26.4 79.0
134 24.7 12.5 37.5



#90
Hexachloroethane
Concen: 42.261 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 117 Resp: 177379
Ion Ratio Lower Upper
117 100
201 82.6 40.7 122.1

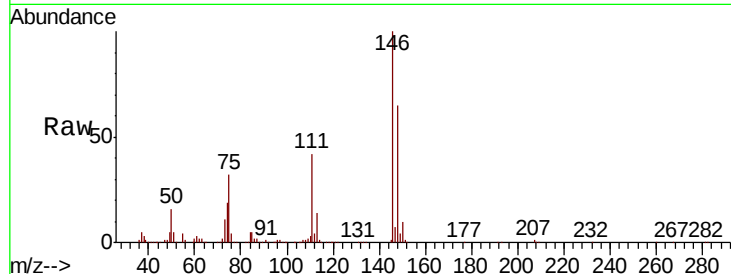




#91
 1,2-Dichlorobenzene
 Concen: 42.443 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.3	32.1	96.3

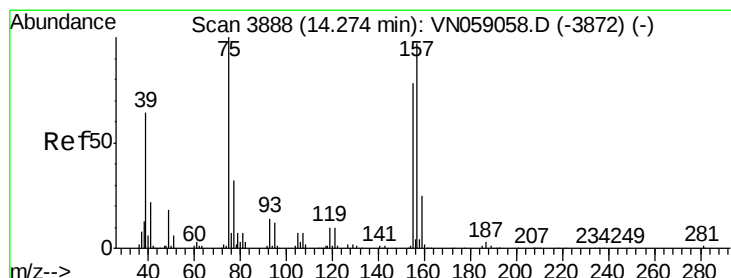
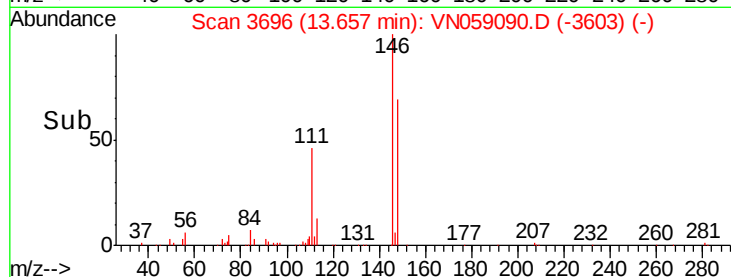
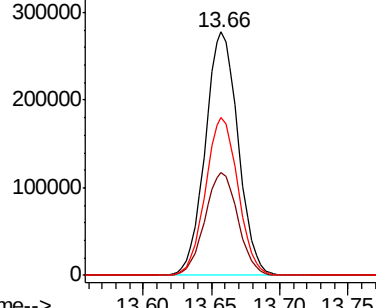


Abundance

Ion 145.90 (145.60 to 146.60): V

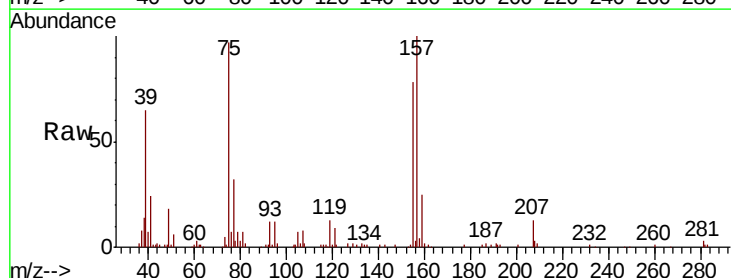
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.430 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.7	119.1
157	102.1	51.0	153.0

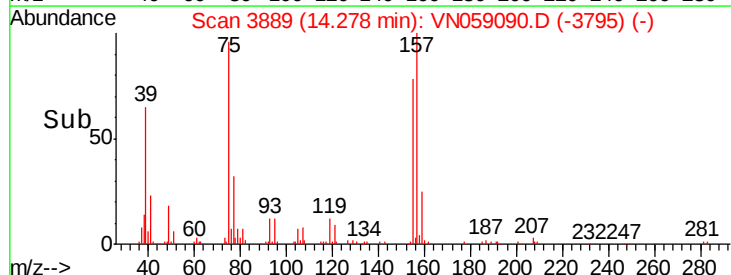
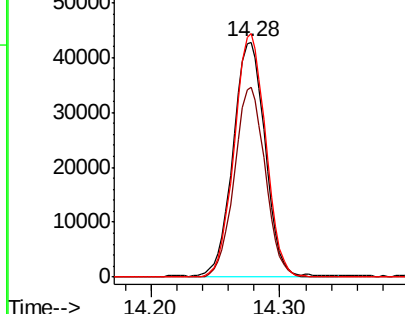


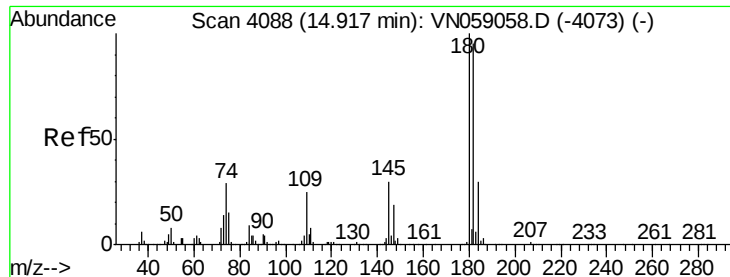
Abundance

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

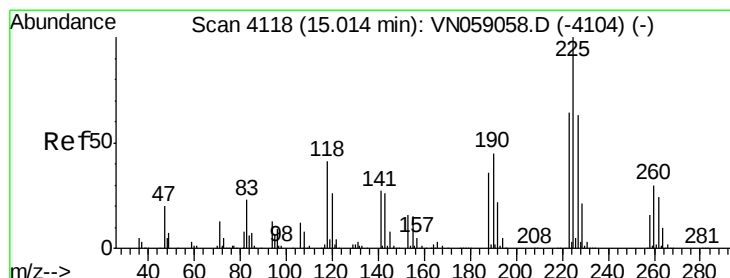
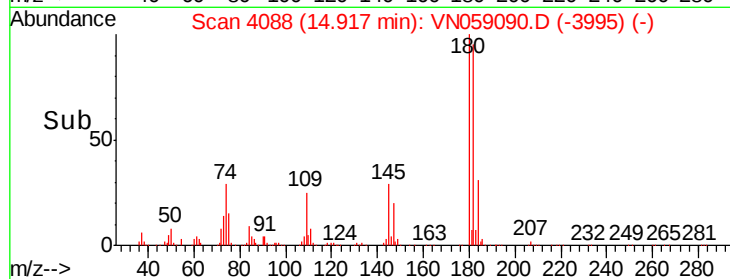
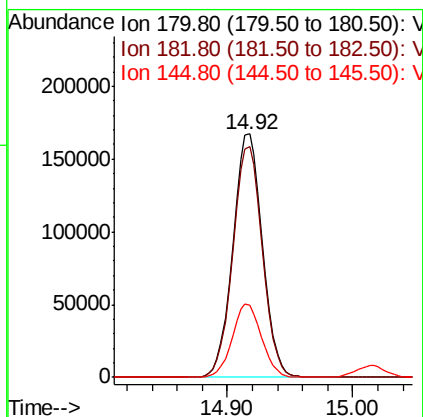
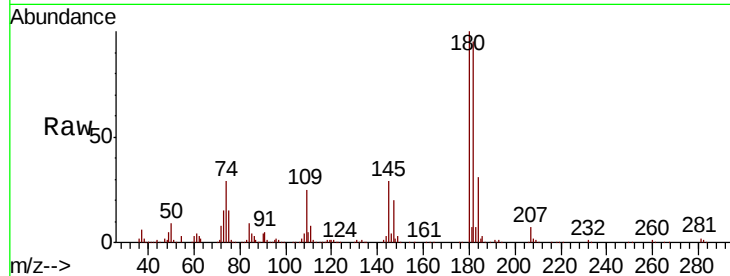




#93
 1,2,4-Trichlorobenzene
 Concen: 46.162 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

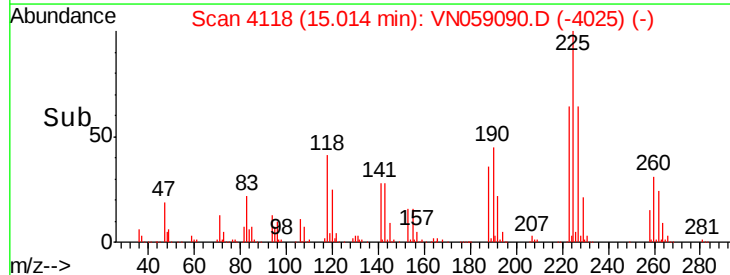
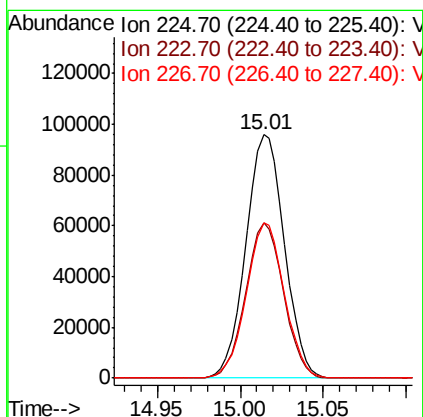
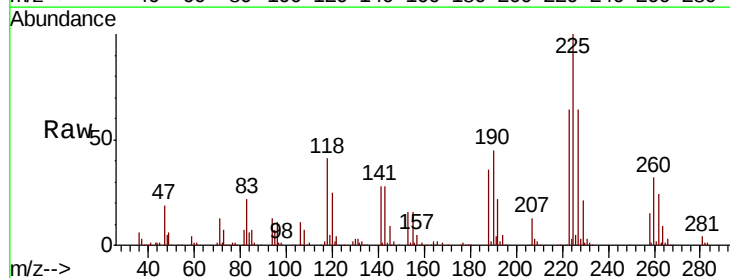
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

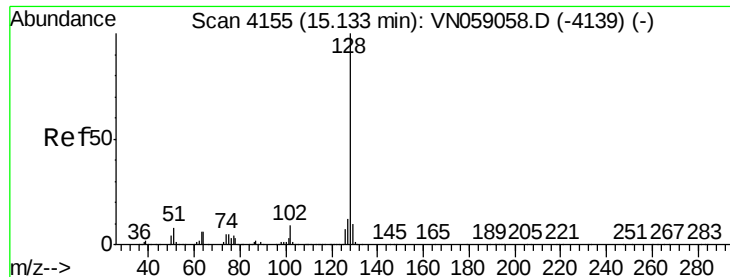
Tot Ion:180 Resp: 272416
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.8 143.4
 145 29.9 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 43.703 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion:225 Resp: 154788
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 62.9 31.9 95.7

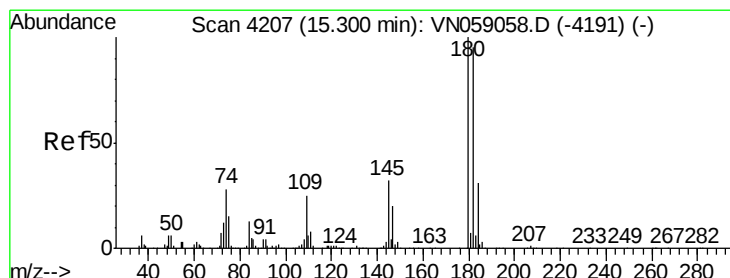
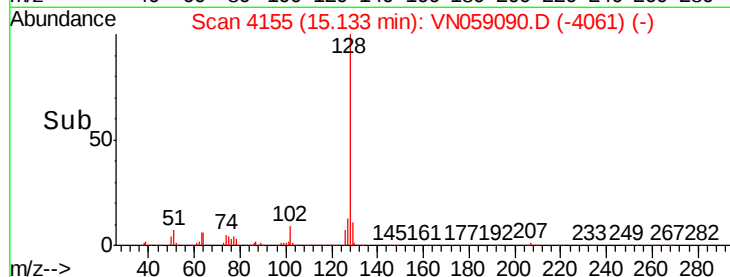
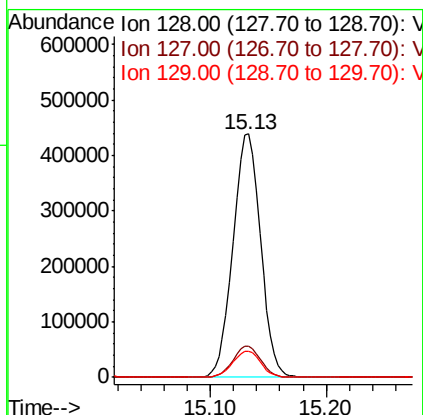
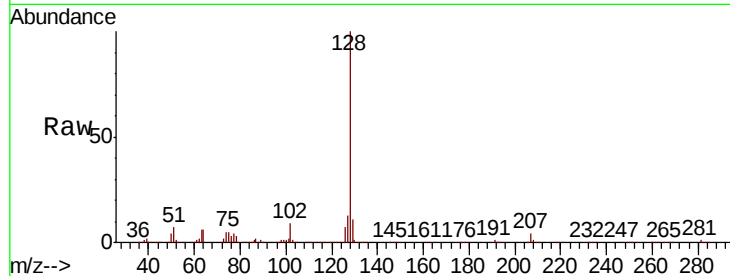




#95
Naphthalene
Concen: 39.859 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 721336
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.0 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 44.226 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:180 Resp: 265626
Ion Ratio Lower Upper
180 100
182 97.4 47.7 143.1
145 31.8 16.0 48.0

