

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060576.D
 Acq On : 18 Mar 2020 00:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 18 08:53:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137795	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.56	113	101708	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.08	98	417047	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.39	95	150995	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102810	50.555	ug/l	100
3) Chloromethane	2.03	50	177413	46.710	ug/l	99
4) Vinyl Chloride	2.16	62	144877	48.768	ug/l	98
5) Bromomethane	2.54	94	61458	47.923	ug/l	99
6) Chloroethane	2.68	64	83772	48.952	ug/l	99
7) Trichlorofluoromethane	3.00	101	182094	49.759	ug/l	98
8) Diethyl Ether	3.38	74	73503	49.998	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104372	49.220	ug/l	99
10) Methyl Iodide	3.93	142	103028	54.602	ug/l	100
11) Tert butyl alcohol	4.73	59	100861	237.697	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109613	48.170	ug/l	97
13) Acrolein	3.57	56	111208	236.473	ug/l	98
14) Allyl chloride	4.29	41	186613	46.628	ug/l	100
15) Acrylonitrile	4.94	53	309678	248.186	ug/l	100
16) Acetone	3.78	43	245825	240.532	ug/l	99
17) Carbon Disulfide	4.03	76	340260	49.166	ug/l	100
18) Methyl Acetate	4.28	43	138805	48.252	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	377137	48.205	ug/l	99
20) Methylene Chloride	4.52	84	122329	48.657	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	117998	48.654	ug/l	96
22) Diisopropyl ether	5.91	45	419373	49.598	ug/l	99
23) Vinyl Acetate	5.86	43	1747458	253.296	ug/l	100
24) 1,1-Dichloroethane	5.82	63	230510	50.008	ug/l	99
25) 2-Butanone	6.80	43	409454	247.587	ug/l	99
26) 2,2-Dichloropropane	6.79	77	156854	43.250	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	134723	48.884	ug/l	100
28) Bromochloromethane	7.17	49	108007	48.975	ug/l	99
29) Tetrahydrofuran	7.18	42	282915	241.784	ug/l	99
30) Chloroform	7.35	83	217193	49.151	ug/l	100
31) Cyclohexane	7.63	56	218162	46.947	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	189210	49.669	ug/l	99
36) 1,1-Dichloropropene	7.77	75	172565	50.361	ug/l	99
37) Ethyl Acetate	6.90	43	178567	48.229	ug/l	99
38) Carbon Tetrachloride	7.75	117	153947	50.128	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	200410	49.216	ug/l	99
40) Benzene	8.02	78	511141	49.415	ug/l	99
41) Methacrylonitrile	7.18	41	255246	161.537	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	175645	49.687	ug/l	99
43) Isopropyl Acetate	8.14	43	303105	49.640	ug/l	100
44) Trichloroethene	8.82	130	130347	49.988	ug/l	98
45) 1,2-Dichloropropane	9.10	63	137069	50.219	ug/l	100
46) Dibromomethane	9.19	93	83427	50.559	ug/l	100
47) Bromodichloromethane	9.39	83	173046	50.466	ug/l	99
48) Methyl methacrylate	9.18	41	134692	49.545	ug/l	99
49) 1,4-Dioxane	9.18	88	33605	1039.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	878378	252.797	ug/l	100
52) Toluene	10.14	92	312358	50.001	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	196171	49.806	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	212050	49.074	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	119941	49.906	ug/l	99
56) Ethyl methacrylate	10.42	69	195257	52.106	ug/l	100
57) 1,3-Dichloropropane	10.70	76	209212	50.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	494136	265.312	ug/l	100
59) 2-Hexanone	10.74	43	634895	253.658	ug/l	100
60) Dibromochloromethane	10.89	129	125986	50.749	ug/l	99
61) 1,2-Dibromoethane	10.99	107	124253	51.415	ug/l	99
64) Tetrachloroethene	10.62	164	126323	49.723	ug/l	99
65) Chlorobenzene	11.43	112	317135	49.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	116150	50.124	ug/l	99
67) Ethyl Benzene	11.50	91	598904	50.319	ug/l	99
68) m/p-Xylenes	11.61	106	445710	100.774	ug/l	100
69) o-Xylene	11.94	106	211775	50.158	ug/l	99
70) Styrene	11.96	104	353756	51.230	ug/l	100
71) Bromoform	12.12	173	90480	47.081	ug/l #	100
73) Isopropylbenzene	12.24	105	572497	50.037	ug/l	99
74) N-amyl acetate	12.06	43	264173	49.967	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168420	48.676	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	231632	70.410	ug/l #	100
77) Bromobenzene	12.52	156	135692	49.217	ug/l	98
78) n-propylbenzene	12.59	91	670786	49.624	ug/l	99
79) 2-Chlorotoluene	12.67	91	392188	48.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	480530	49.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60845	47.501	ug/l	98
82) 4-Chlorotoluene	12.77	91	405517	49.297	ug/l	100
83) tert-Butylbenzene	12.99	119	398243	49.478	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	478486	49.812	ug/l	100
85) sec-Butylbenzene	13.17	105	541080	49.991	ug/l	100
86) p-Isopropyltoluene	13.28	119	481312	49.453	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	239895	49.335	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238613	48.842	ug/l	99
89) n-Butylbenzene	13.61	91	436492	49.673	ug/l	100
90) Hexachloroethane	13.87	117	72958	51.570	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229749	49.413	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34458	47.534	ug/l	99

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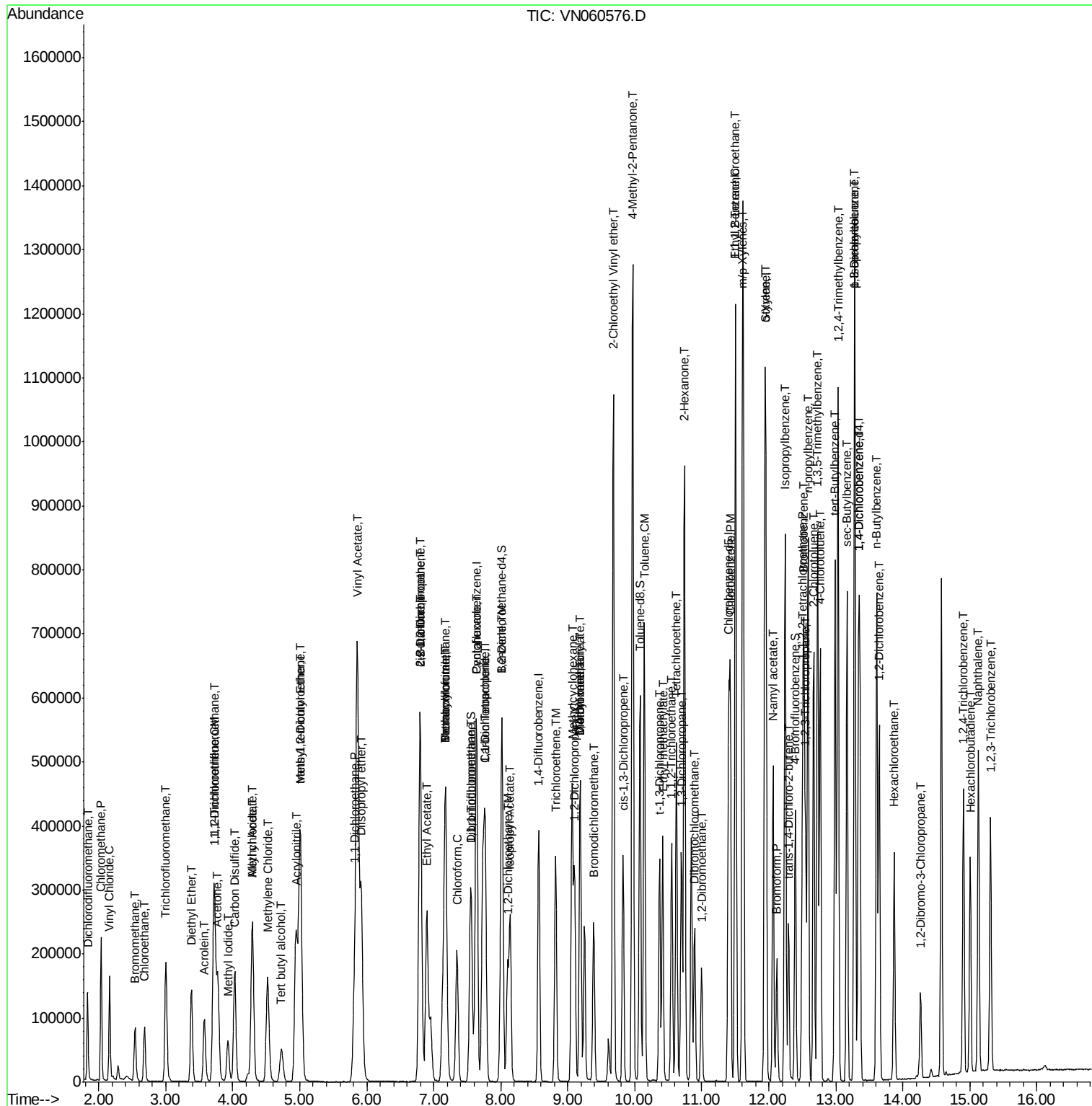
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	141620	49.600	ug/l	99
94) Hexachlorobutadiene	15.00	225	65802	47.011	ug/l	99
95) Naphthalene	15.13	128	426066	49.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137010	48.717	ug/l	99

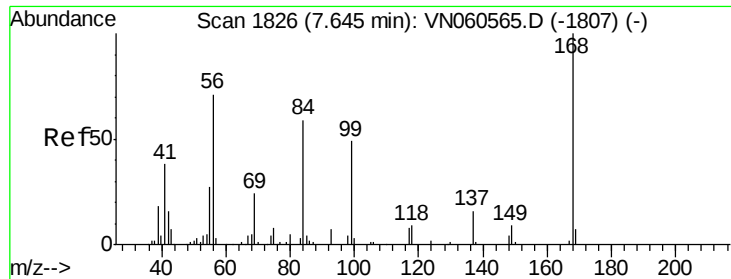
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

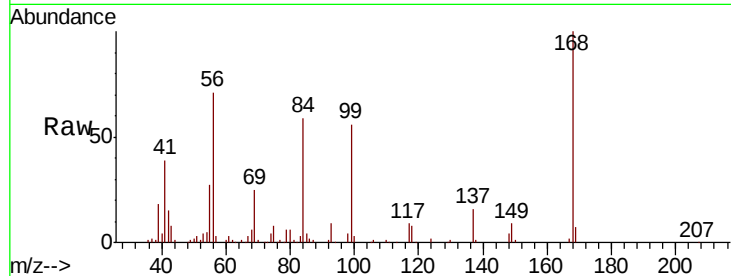
VSTDCCC050EC

Tot Ion:168 Resp: 210175

Ion Ratio Lower Upper

168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

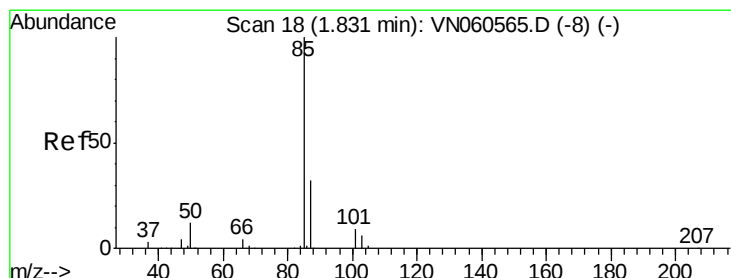
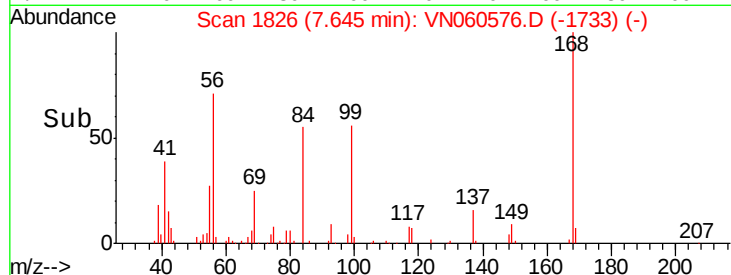
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.555 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060576.D

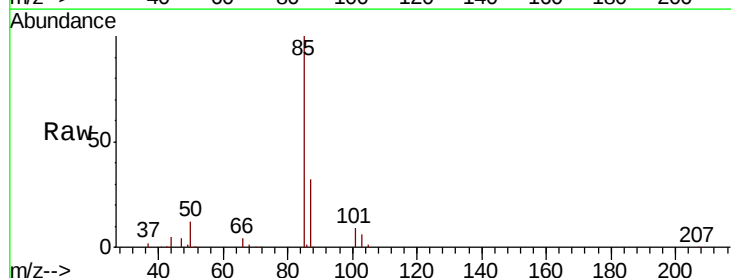
Acq: 18 Mar 2020 00:06

Tgt Ion: 85 Resp: 102810

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

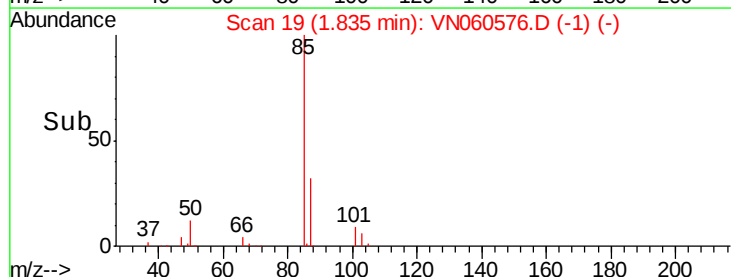
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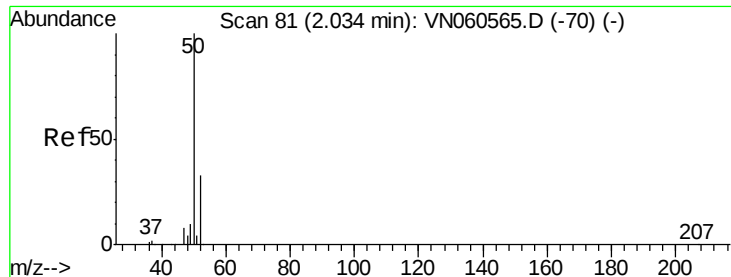
20000

0

1.80 1.85 1.90

Time-->

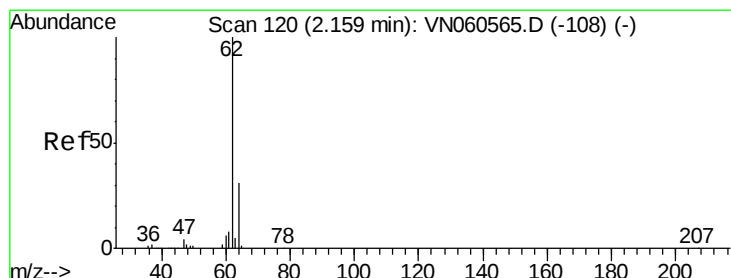
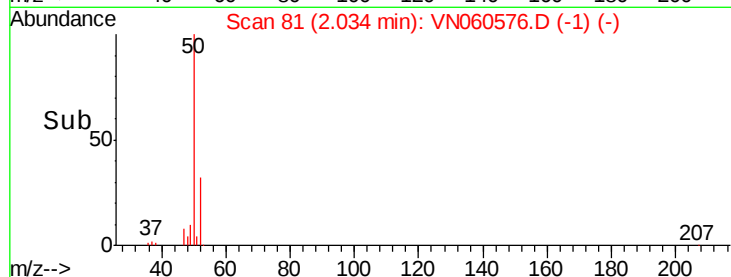
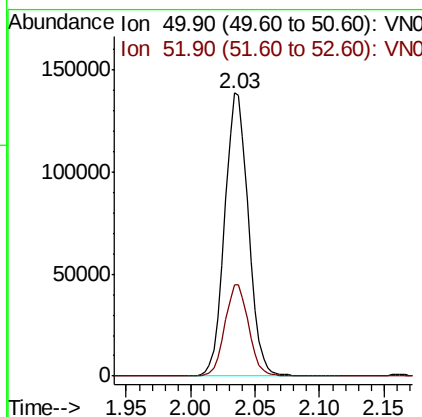
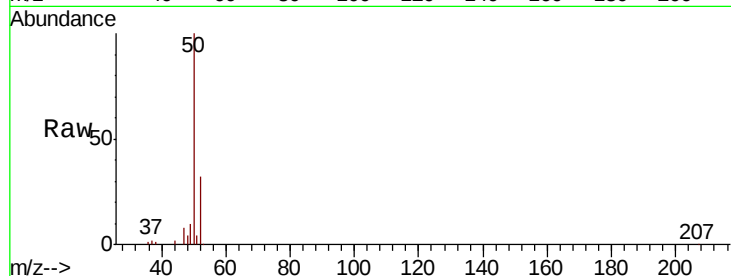




#3
Chloromethane
Concen: 46.710 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

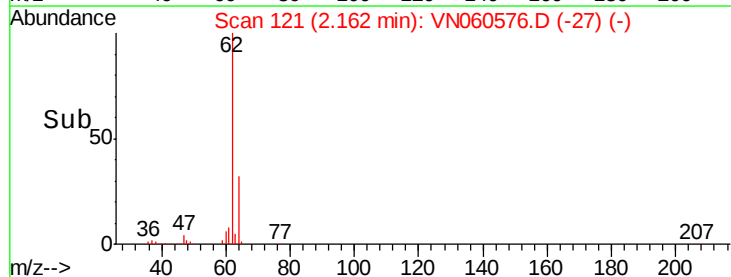
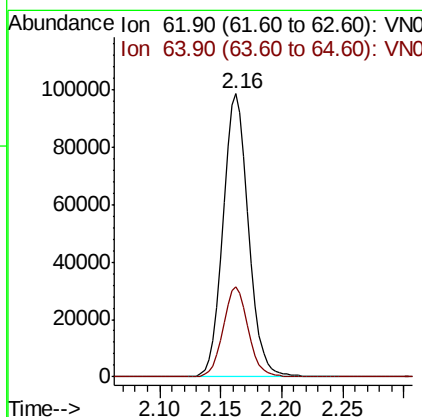
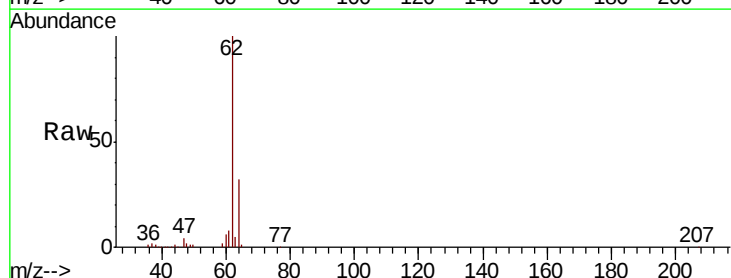
Instrument :
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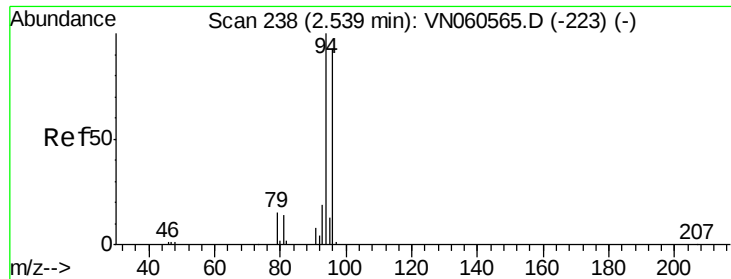
Tot Ion: 50 Resp: 177413
Ion Ratio Lower Upper
50 100
52 32.3 26.2 39.2



#4
Vinyl Chloride
Concen: 48.768 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 62 Resp: 144877
Ion Ratio Lower Upper
62 100
64 31.7 24.7 37.1





#5

Bromomethane

Concen: 47.923 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

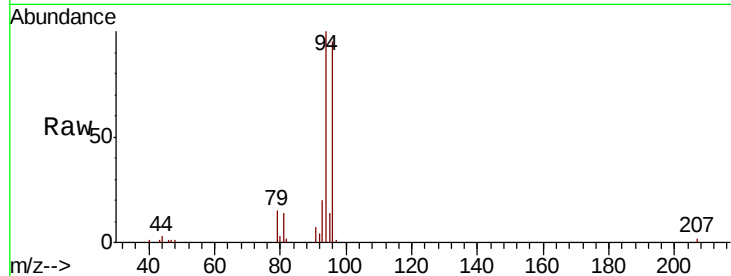
VSTDCCC050EC

Tot Ion: 94 Resp: 61458

Ion Ratio Lower Upper

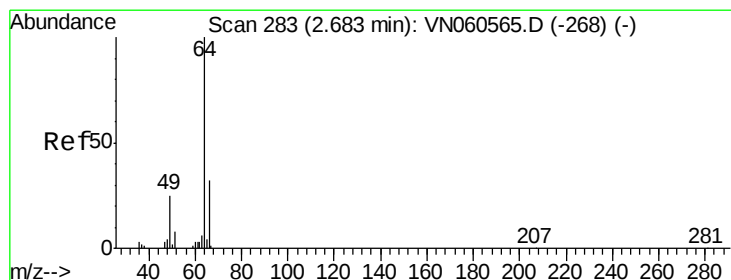
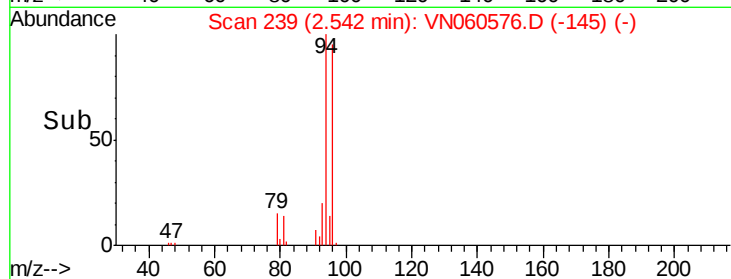
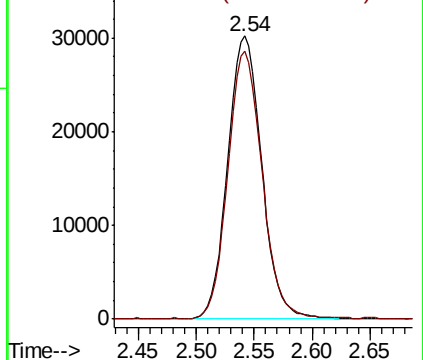
94 100

96 94.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.952 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060576.D

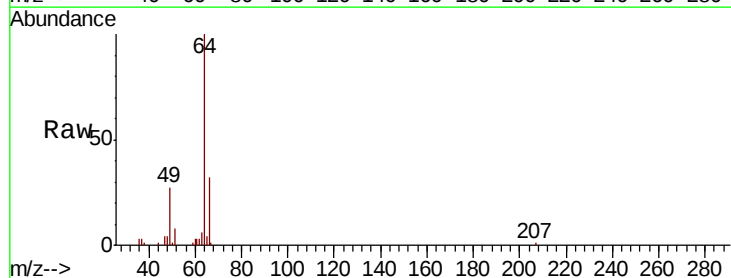
Acq: 18 Mar 2020 00:06

Tgt Ion: 64 Resp: 83772

Ion Ratio Lower Upper

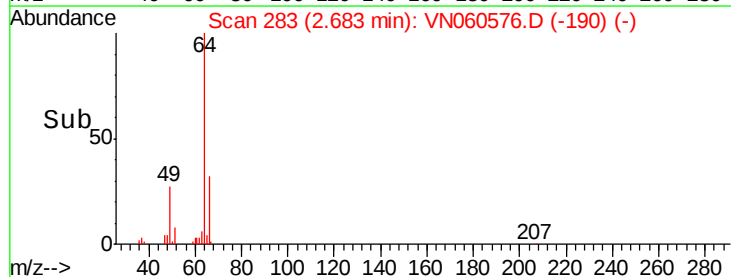
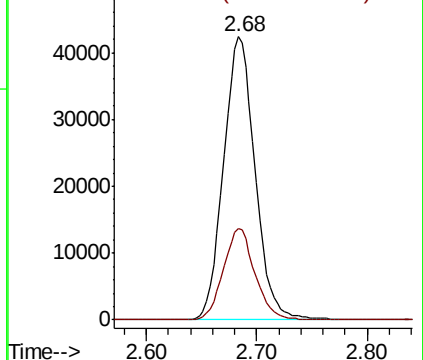
64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



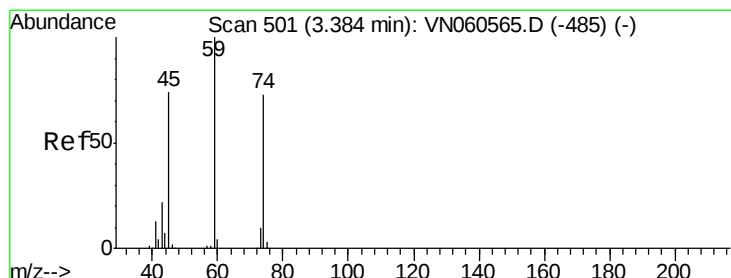
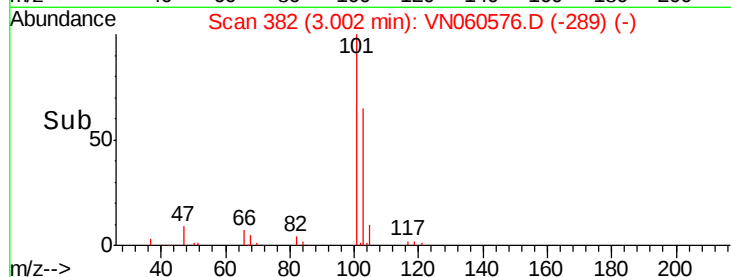
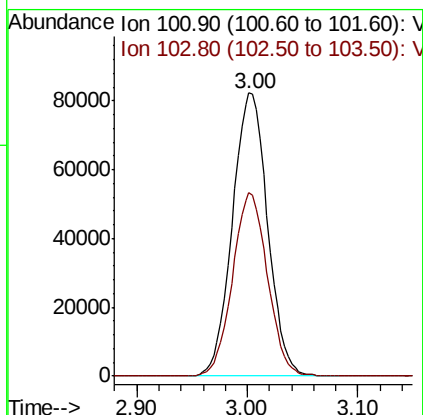
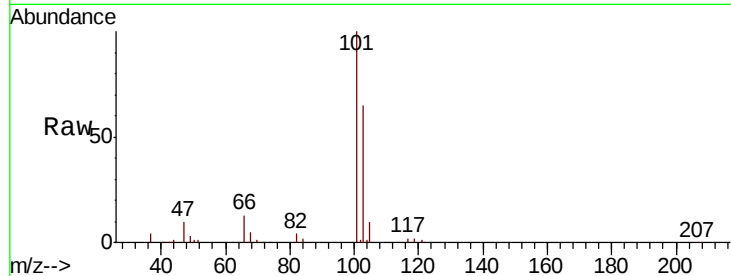


#7

Trichlorofluoromethane
 Concen: 49.759 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

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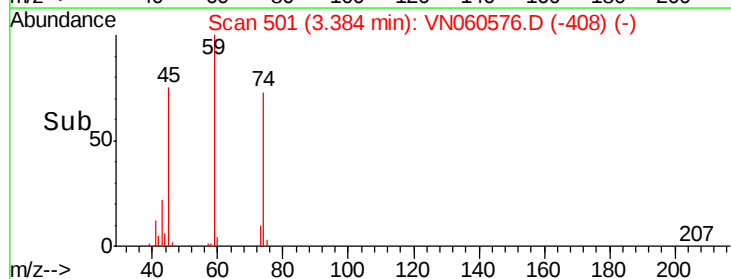
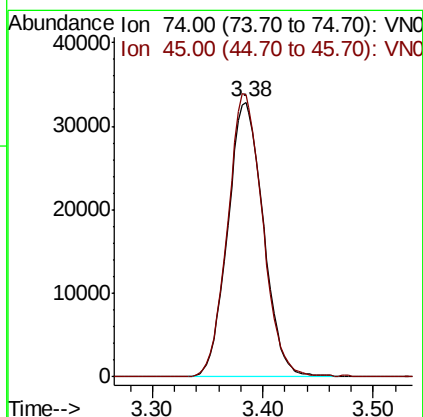
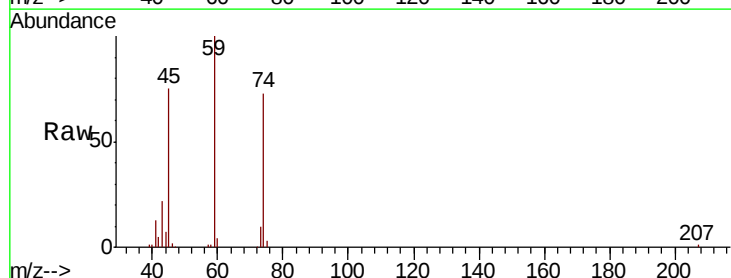
Tot Ion:101 Resp: 182094
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.6 76.0



#8

Diethyl Ether
 Concen: 49.998 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 74 Resp: 73503
 Ion Ratio Lower Upper
 74 100
 45 101.5 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.220 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

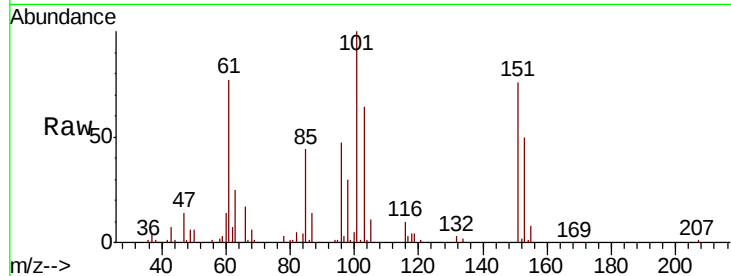
Tot Ion:101 Resp: 104372

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

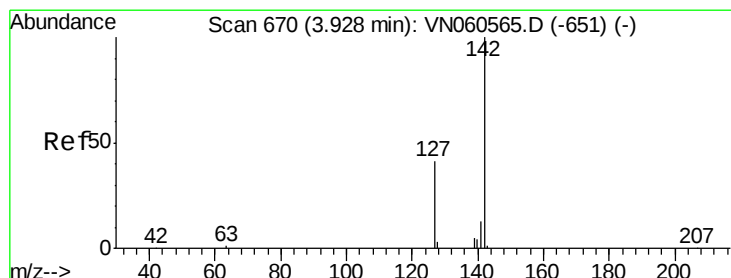
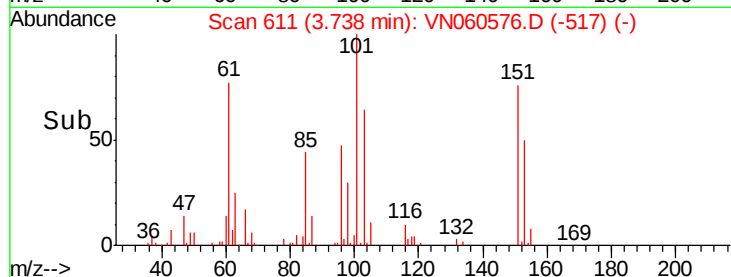
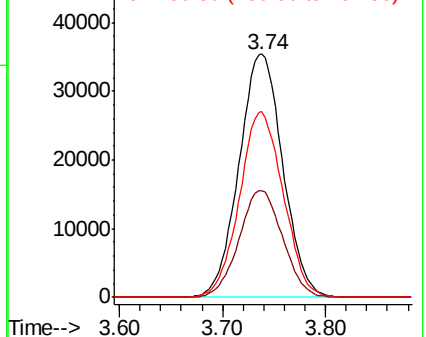
151 76.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.602 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

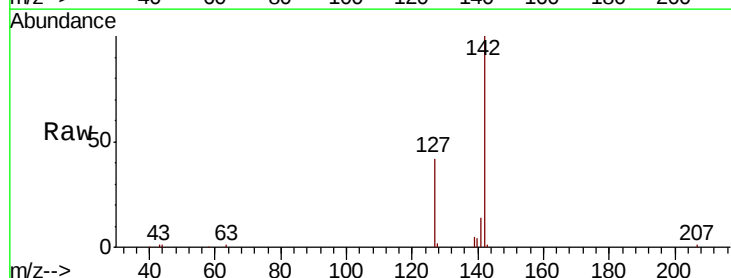
Tgt Ion:142 Resp: 103028

Ion Ratio Lower Upper

142 100

127 41.6 33.5 50.3

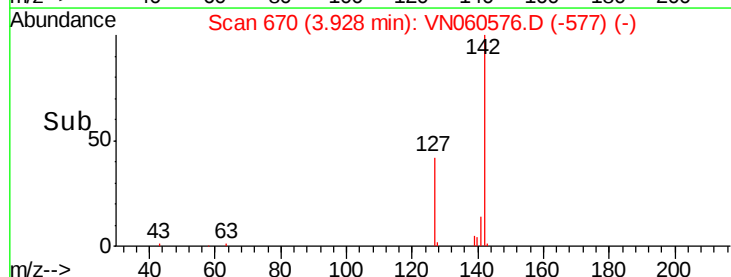
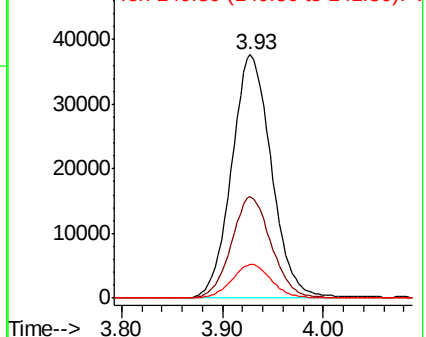
141 13.7 11.0 16.6

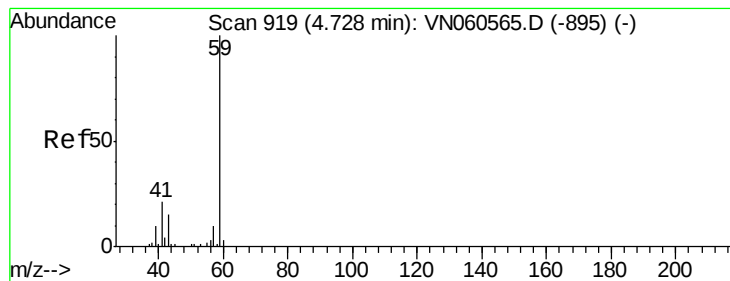


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



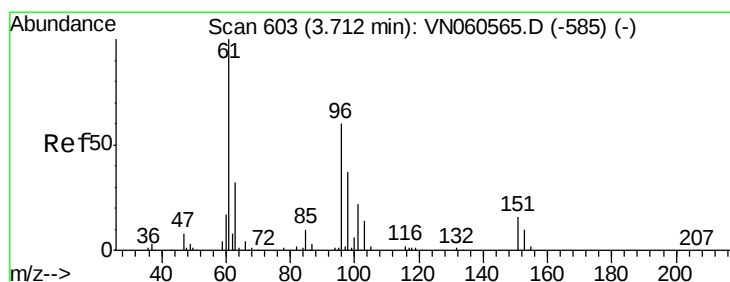
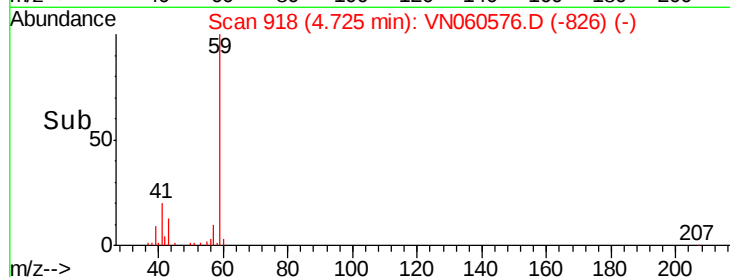
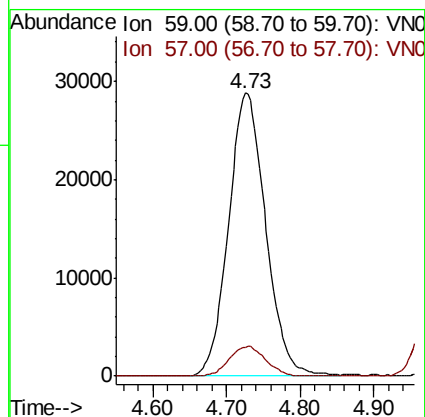
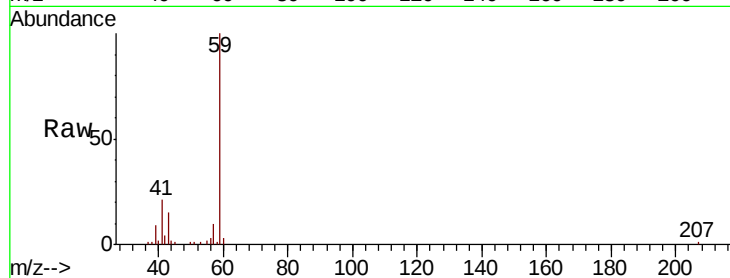


#11

Tert butyl alcohol
 Concen: 237.697 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

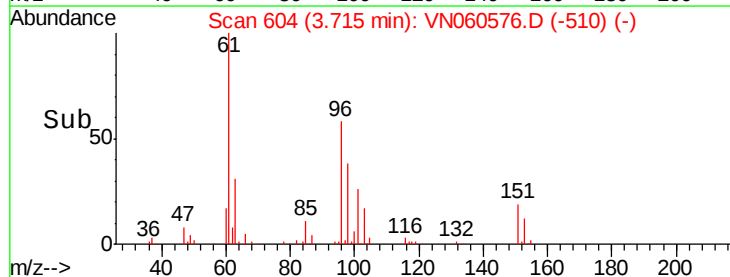
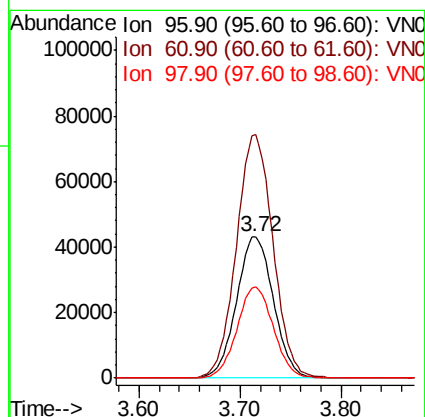
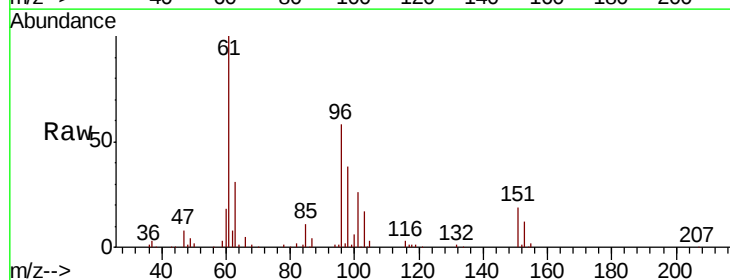
Tot Ion: 59 Resp: 100861
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

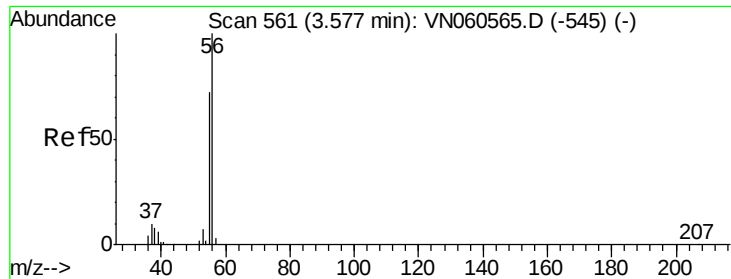


#12

1,1-Dichloroethene
 Concen: 48.170 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 96 Resp: 109613
 Ion Ratio Lower Upper
 96 100
 61 171.8 134.1 201.1
 98 64.5 49.9 74.9





#13

Acrolein

Concen: 236.473 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

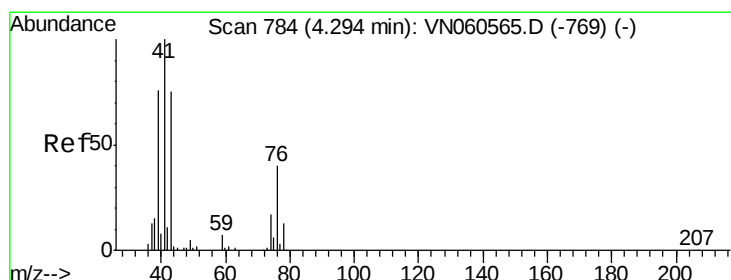
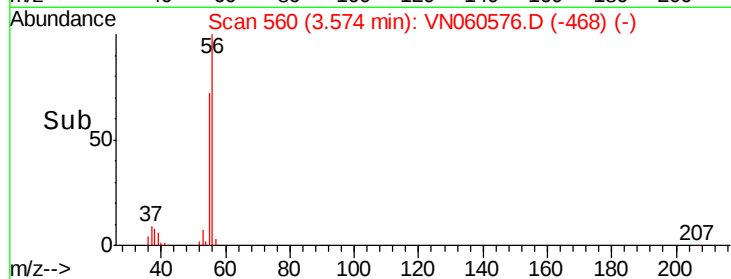
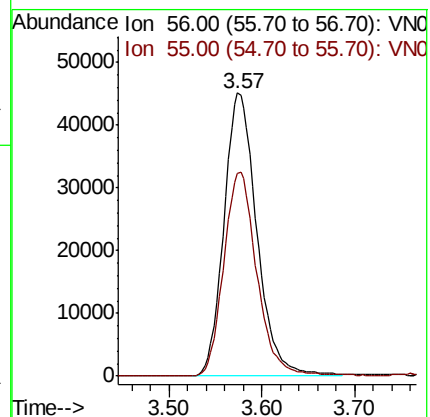
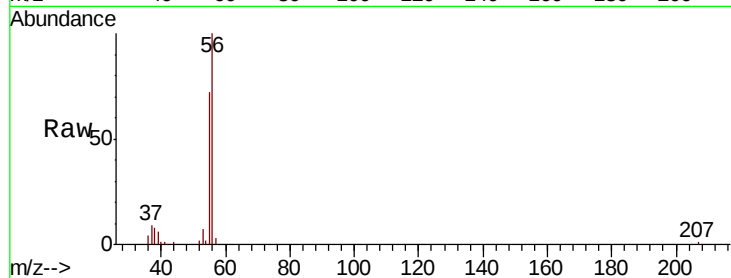
VSTDCCC050EC

Tot Ion: 56 Resp: 111208

Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1



#14

Allyl chloride

Concen: 46.628 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

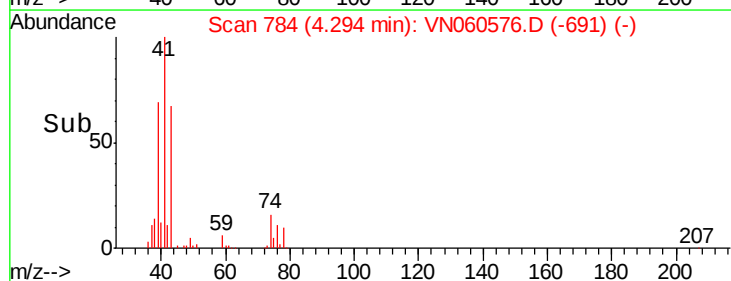
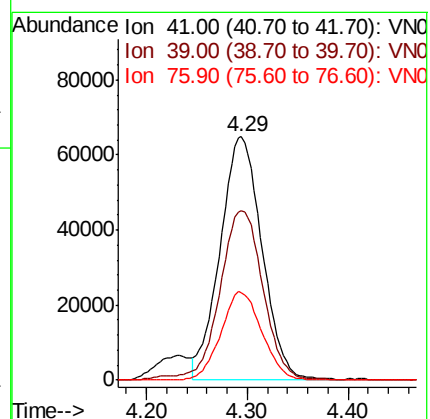
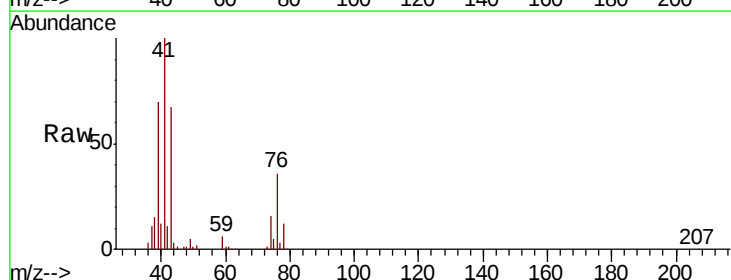
Tgt Ion: 41 Resp: 186613

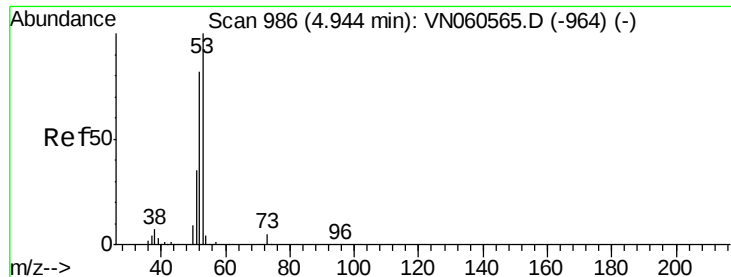
Ion Ratio Lower Upper

41 100

39 72.4 57.8 86.8

76 35.7 28.6 43.0





#15

Acrylonitrile

Concen: 248.186 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

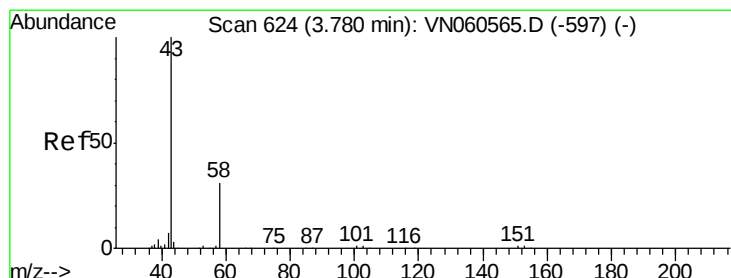
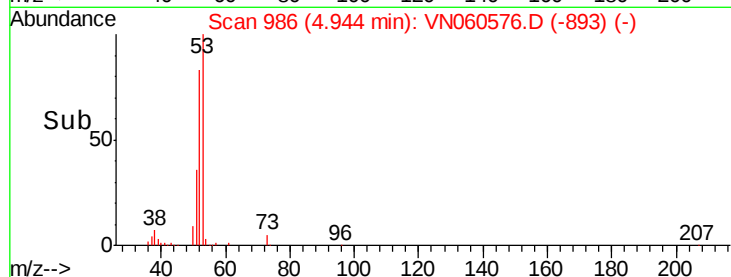
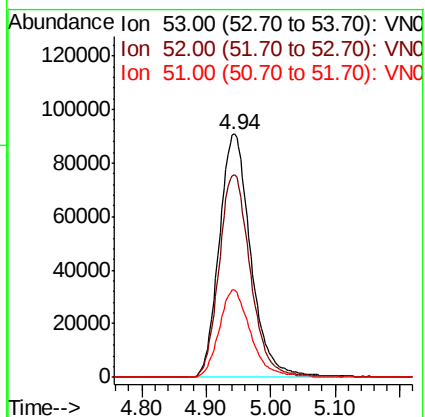
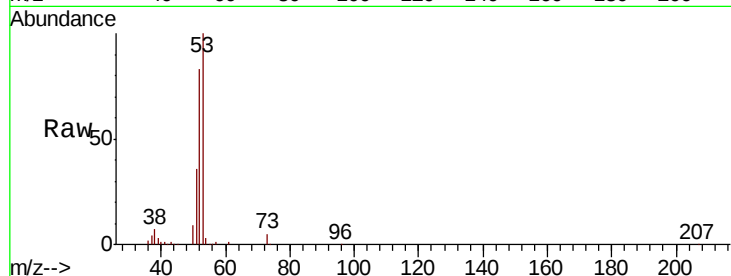
Tot Ion: 53 Resp: 309678

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.4

51 36.0 28.7 43.1



#16

Acetone

Concen: 240.532 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060576.D

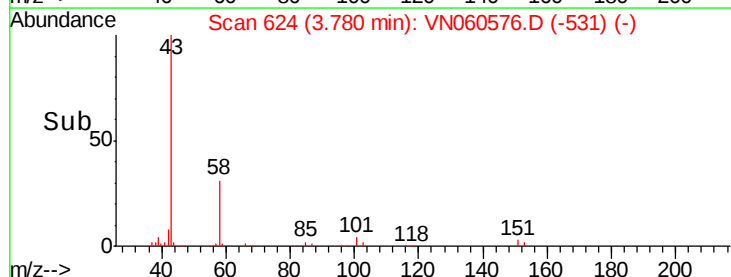
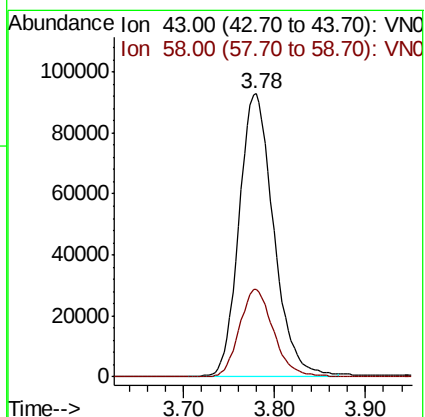
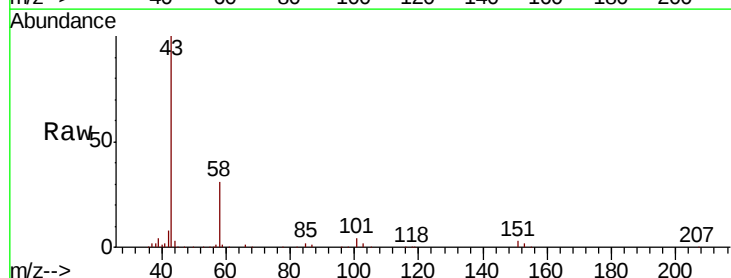
Acq: 18 Mar 2020 00:06

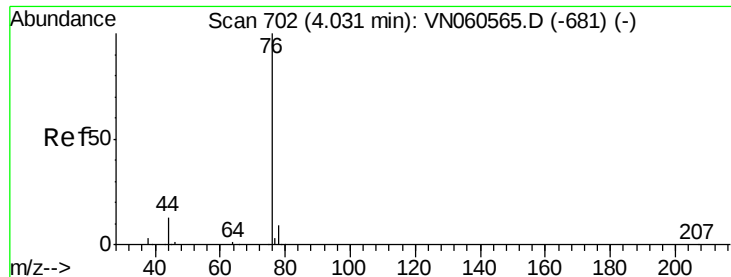
Tgt Ion: 43 Resp: 245825

Ion Ratio Lower Upper

43 100

58 31.0 25.1 37.7

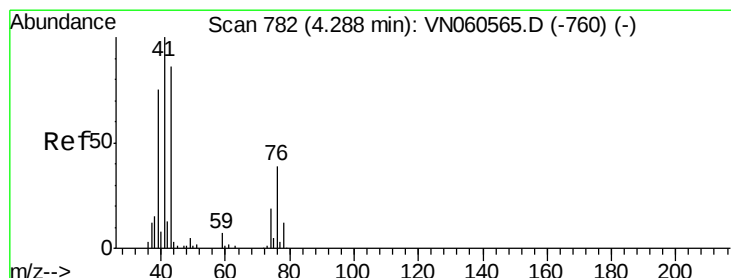
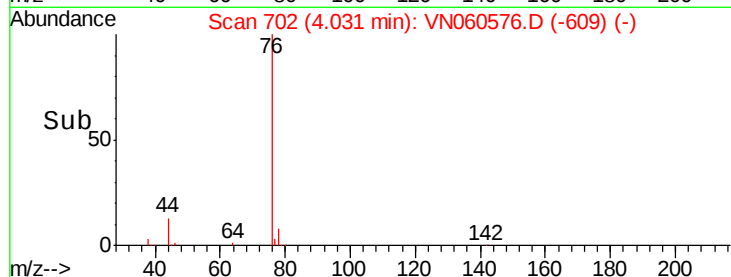
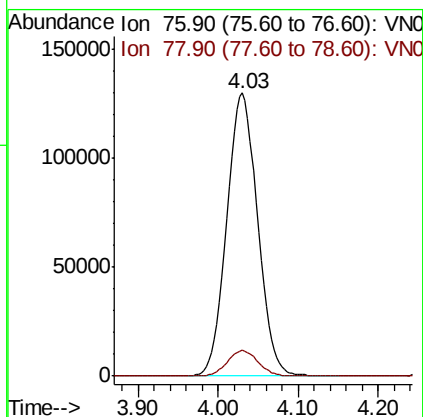
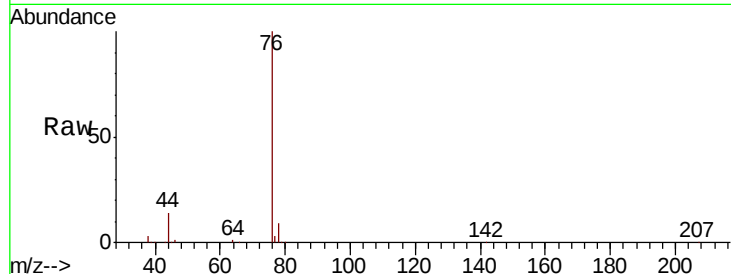




#17
Carbon Disulfide
Concen: 49.166 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

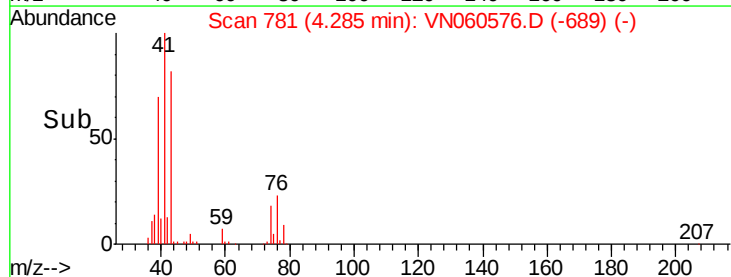
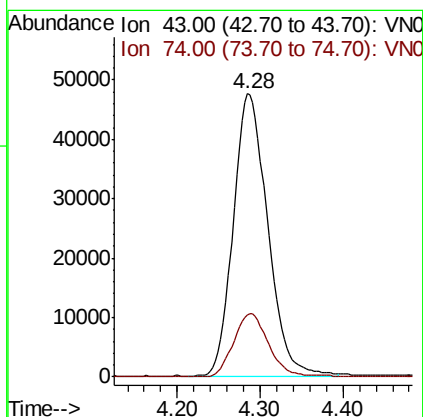
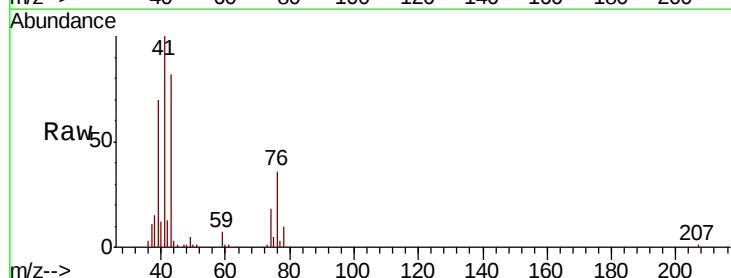
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 340260
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 48.252 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 43 Resp: 138805
Ion Ratio Lower Upper
43 100
74 22.5 17.5 26.3

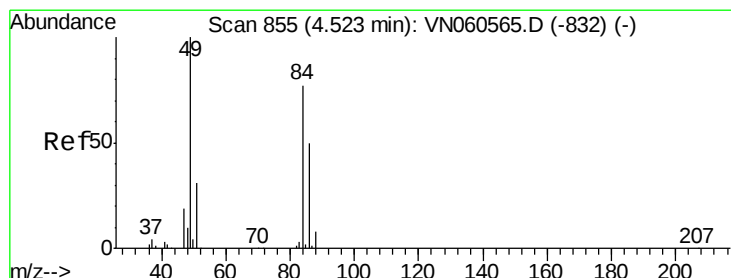
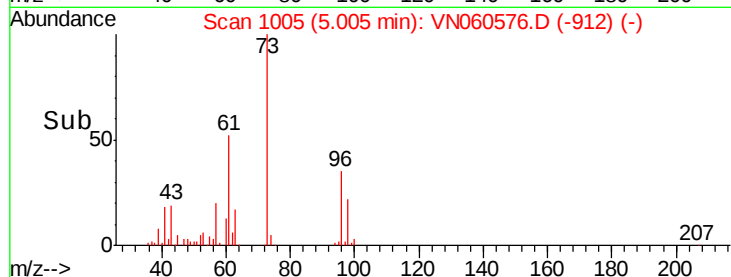
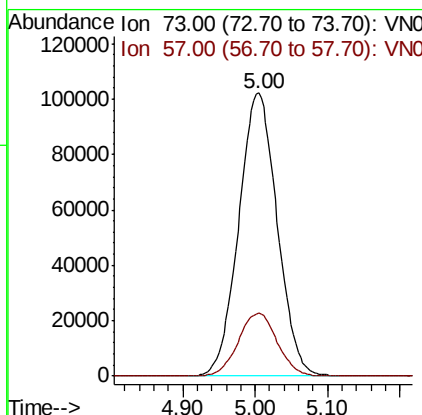
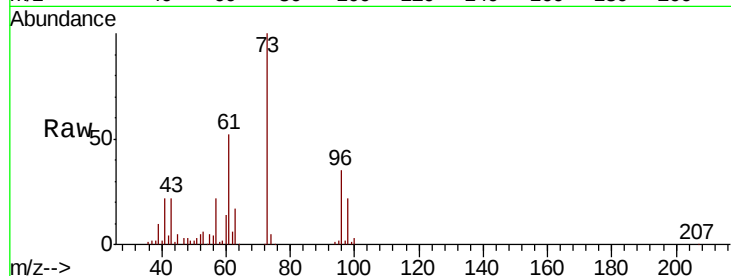




#19
Methvl tert-butvl Ether
Concen: 48.205 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

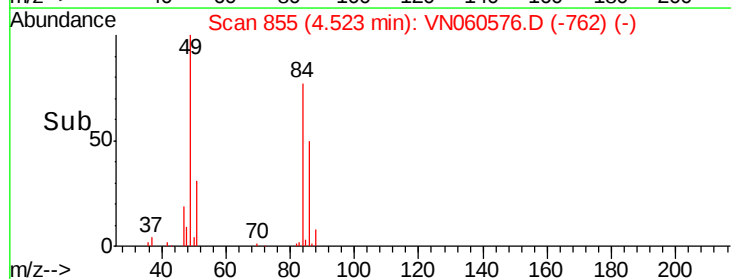
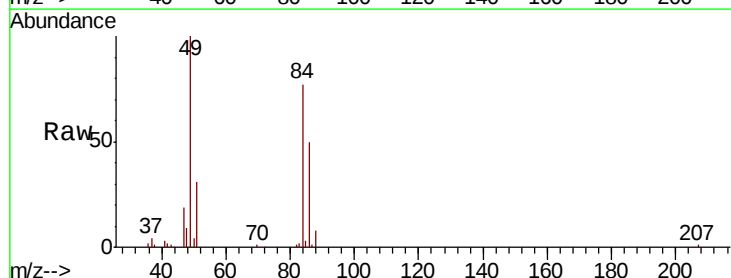
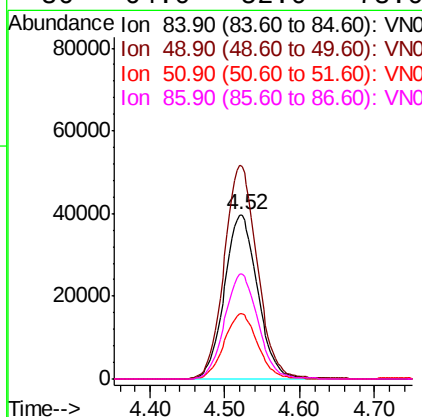
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 377137
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3



#20
Methylene Chloride
Concen: 48.657 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 84 Resp: 122329
Ion Ratio Lower Upper
84 100
49 129.2 103.3 154.9
51 40.0 31.6 47.4
86 64.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 48.654 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

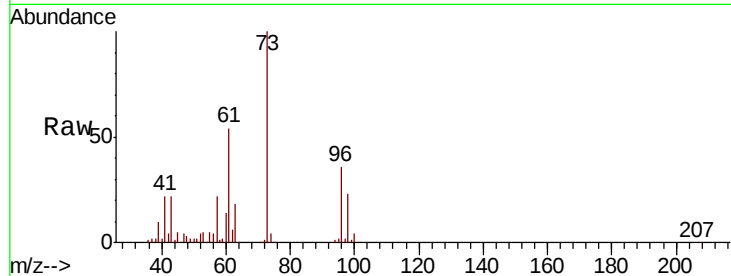
Tot Ion: 96 Resp: 117998

Ion Ratio Lower Upper

96 100

61 148.8 114.4 171.6

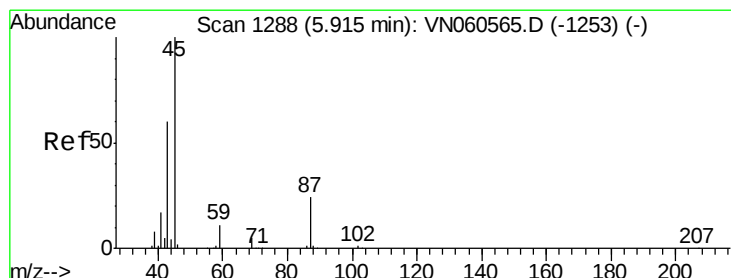
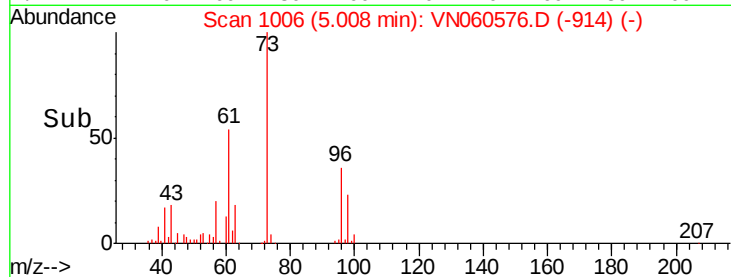
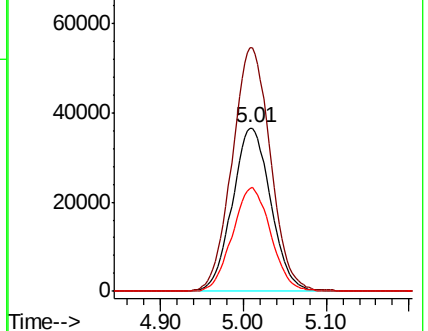
98 63.0 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060576.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060576.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060576.D (-914) (-)



#22

Diisopropyl ether

Concen: 49.598 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion: 45 Resp: 419373

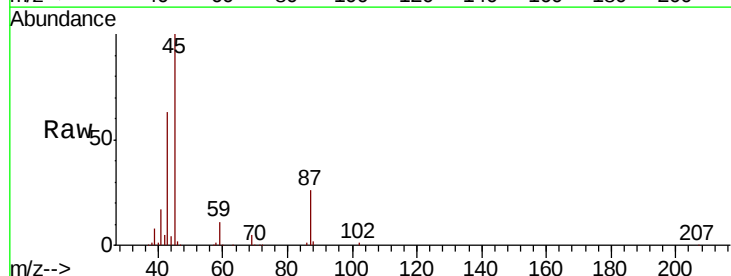
Ion Ratio Lower Upper

45 100

43 61.9 49.8 74.8

87 25.8 20.1 30.1

59 11.4 9.2 13.8

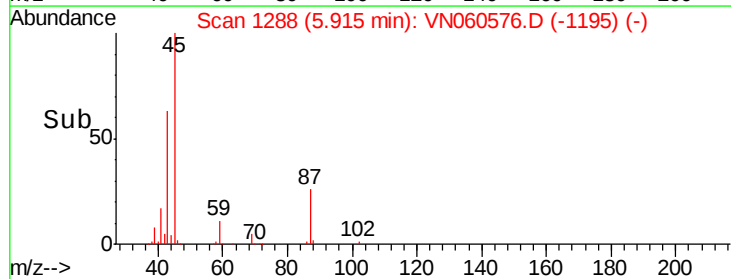
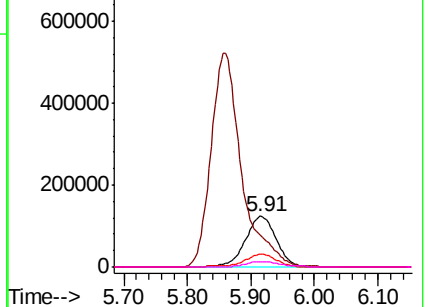


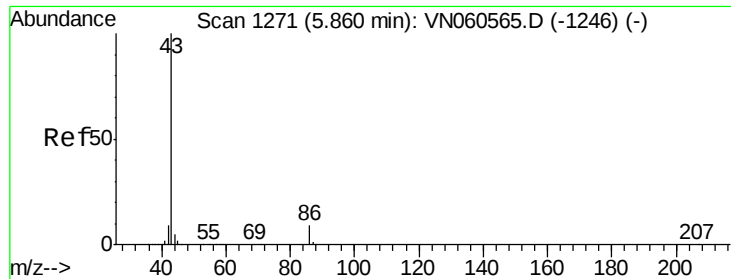
Abundance Ion 45.00 (44.70 to 45.70): VN060576.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060576.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060576.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060576.D (-1195) (-)

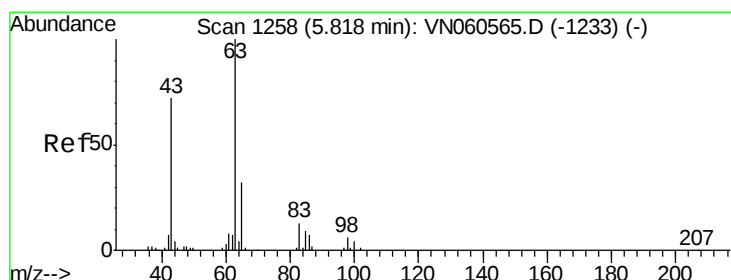
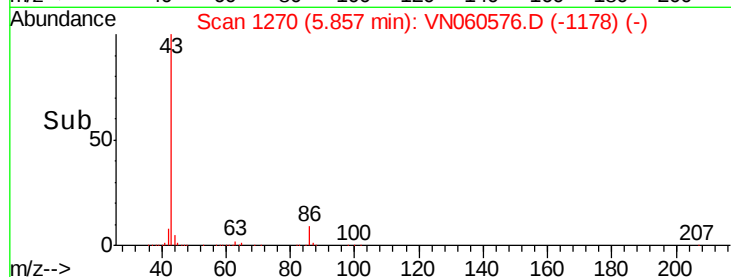
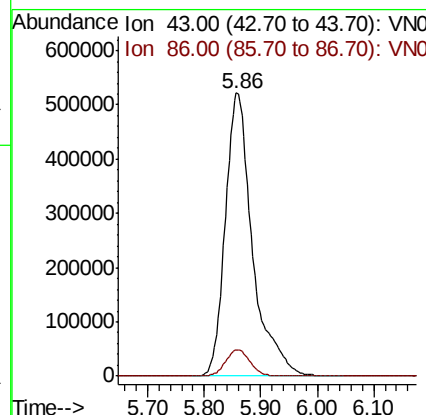
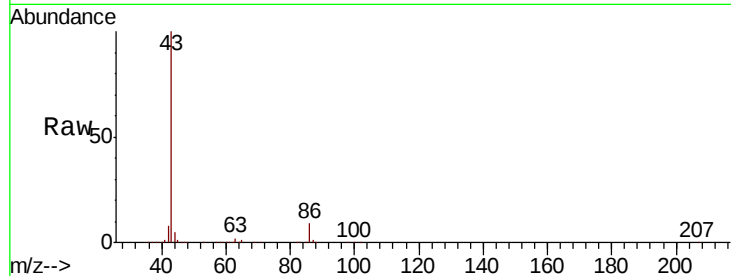




#23
 Vinyl Acetate
 Concen: 253.296 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

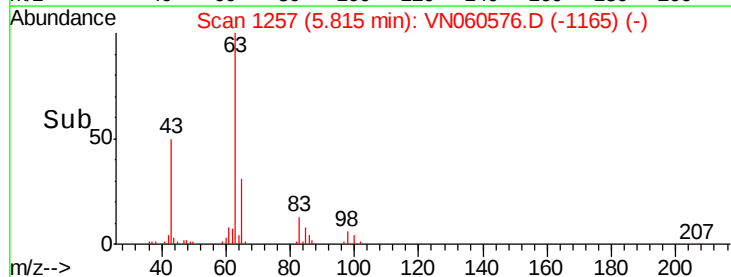
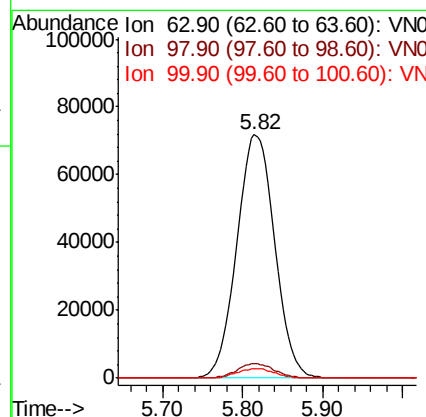
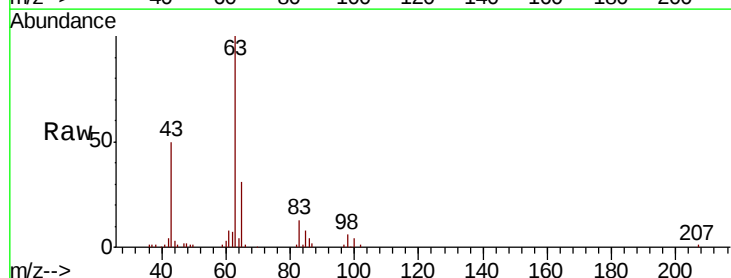
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1747458
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 50.008 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 63 Resp: 230510
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.9 1.8 5.5





#25

2-Butanone

Concen: 247.587 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

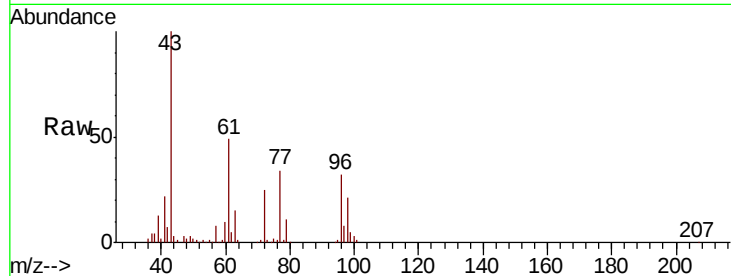
VSTDCCC050EC

Tot Ion: 43 Resp: 409454

Ion Ratio Lower Upper

43 100

72 25.2 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN060576.D (-1469) (-)

Ion 72.00 (71.70 to 72.70): VN060576.D (-1469) (-)

6.80

150000

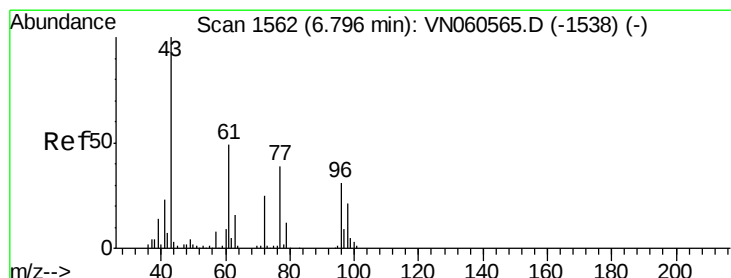
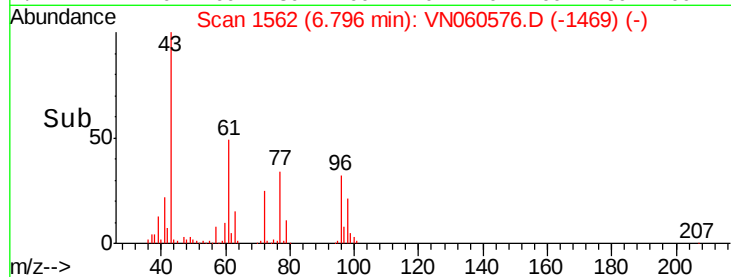
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 43.250 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060576.D

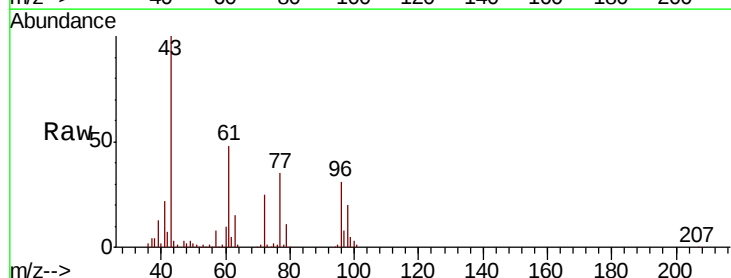
Acq: 18 Mar 2020 00:06

Tgt Ion: 77 Resp: 156854

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN060576.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060576.D (-1469) (-)

6.79

50000

40000

30000

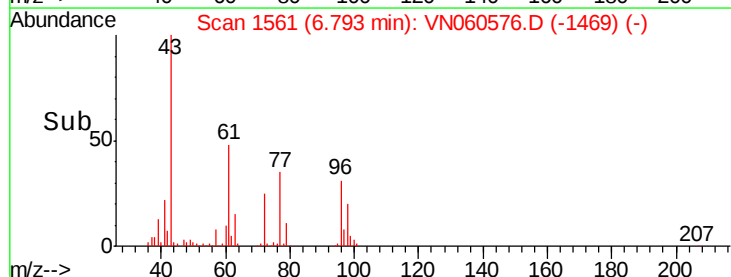
20000

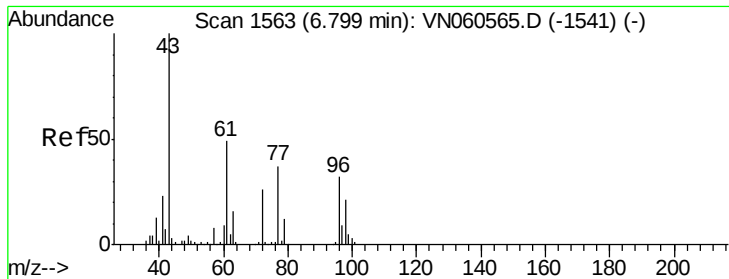
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.884 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

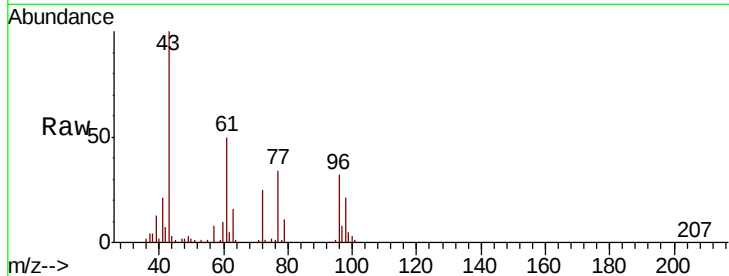
Tot Ion: 96 Resp: 134723

Ion Ratio Lower Upper

96 100

61 152.1 0.0 305.6

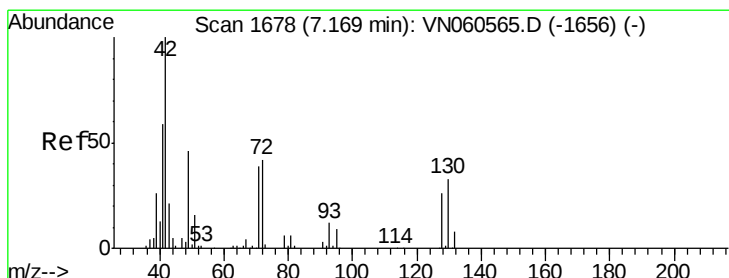
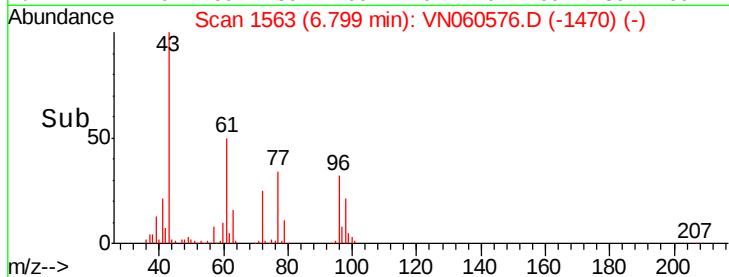
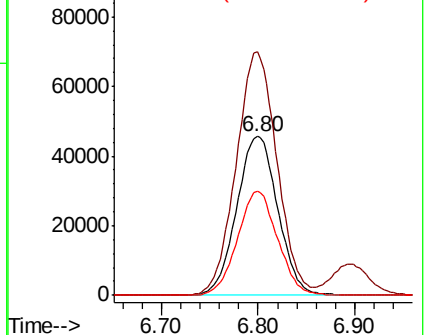
98 64.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060576.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060576.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060576.D (-1470) (-)



#28

Bromochloromethane

Concen: 48.975 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

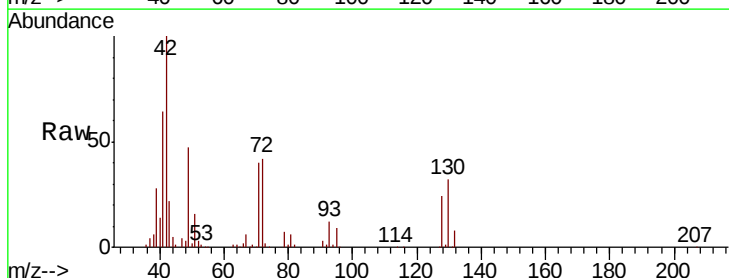
Tgt Ion: 49 Resp: 108007

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

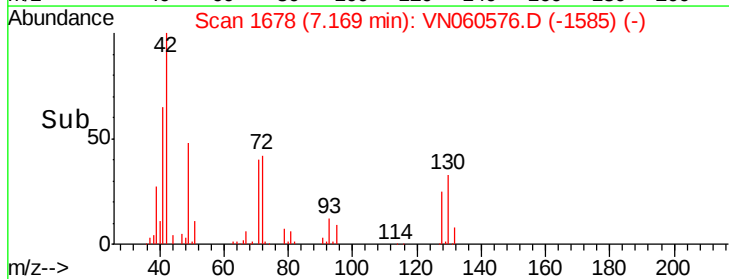
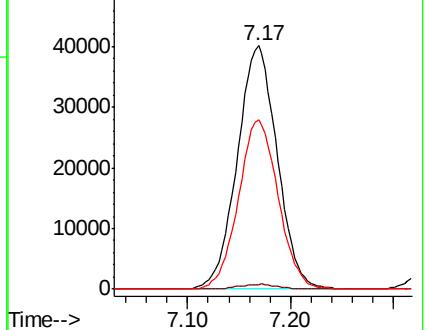
130 69.2 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN060576.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060576.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060576.D (-1585) (-)

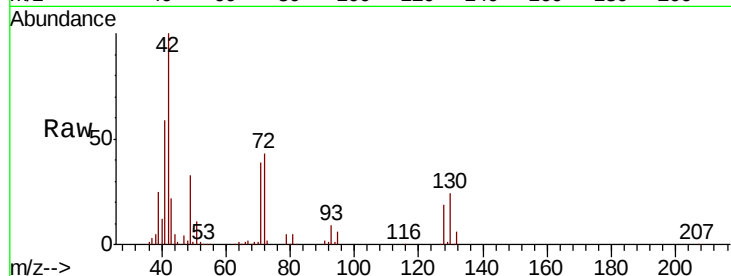




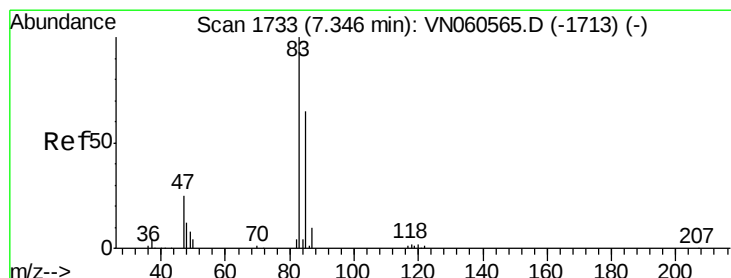
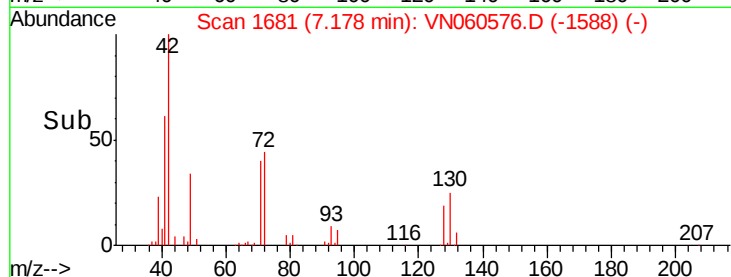
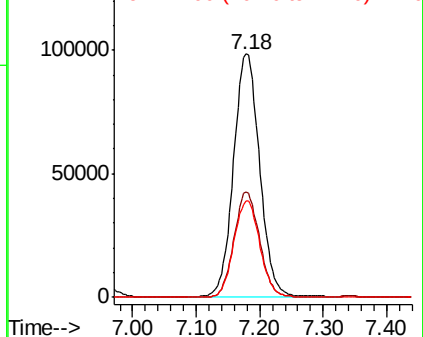
#29
Tetrahydrofuran
Concen: 241.784 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 282915
Ion Ratio Lower Upper
42 100
72 42.0 33.2 49.8
71 39.4 31.1 46.7

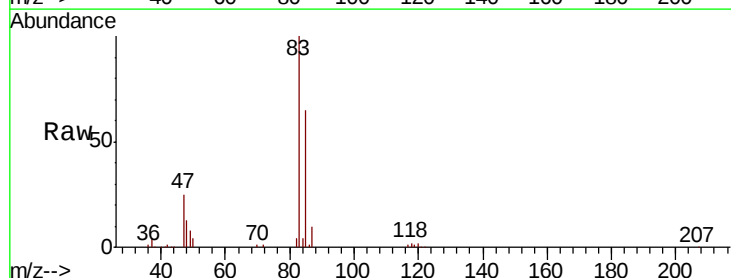


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

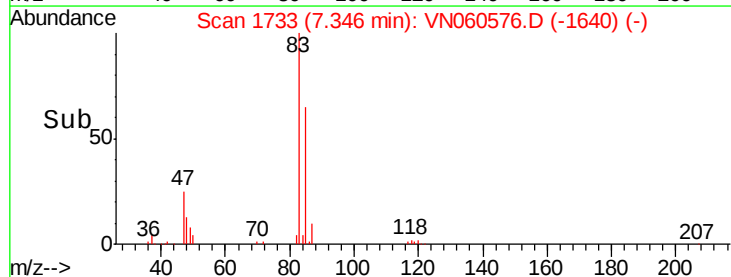
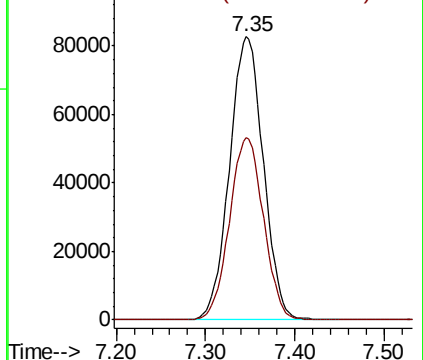


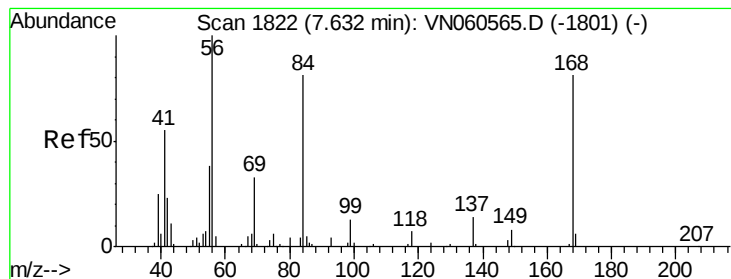
#30
Chloroform
Concen: 49.151 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 83 Resp: 217193
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.8



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





#31

Cyclohexane

Concen: 46.947 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

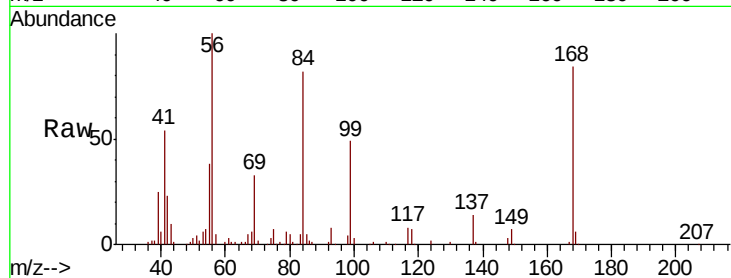
Tot Ion: 56 Resp: 218162

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

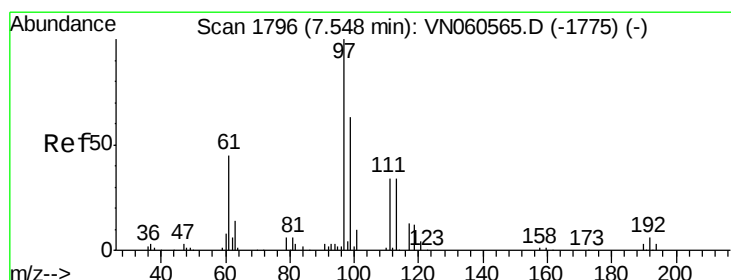
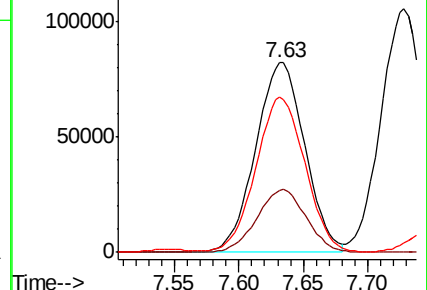
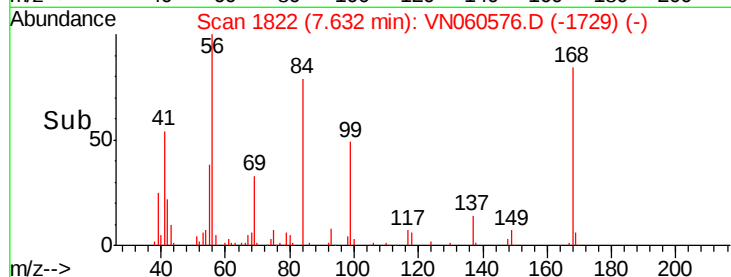
84 81.0 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060576.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060576.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060576.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.669 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

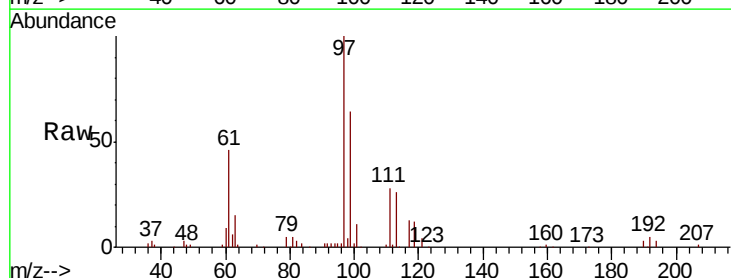
Tgt Ion: 97 Resp: 189210

Ion Ratio Lower Upper

97 100

99 64.7 50.6 75.8

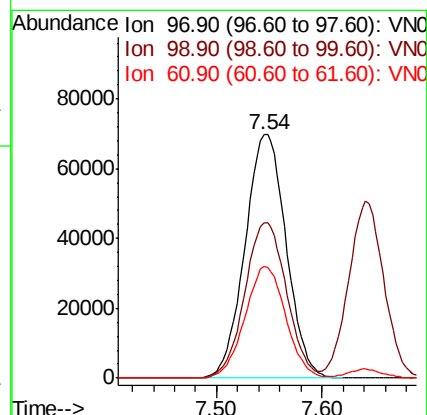
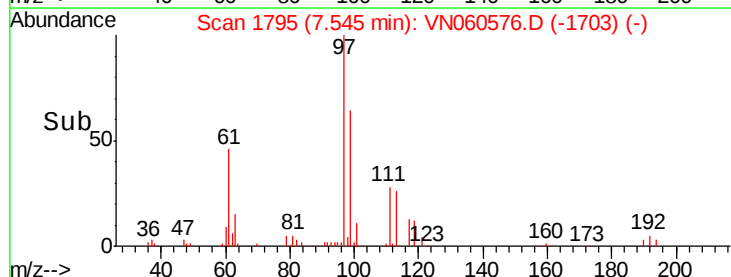
61 45.6 36.2 54.4

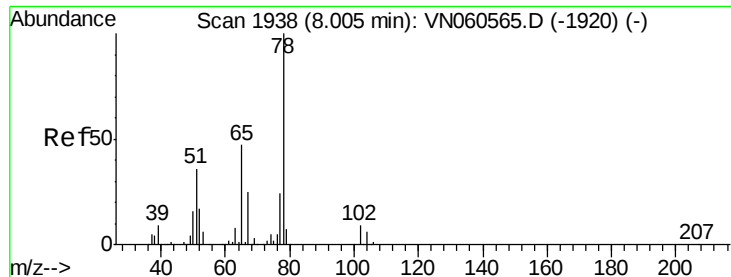


Abundance Ion 96.90 (96.60 to 97.60): VN060576.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060576.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060576.D (-1703) (-)

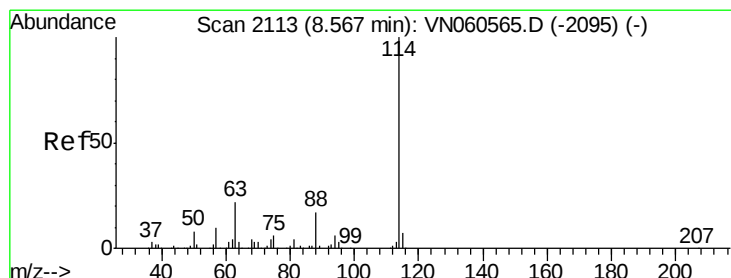
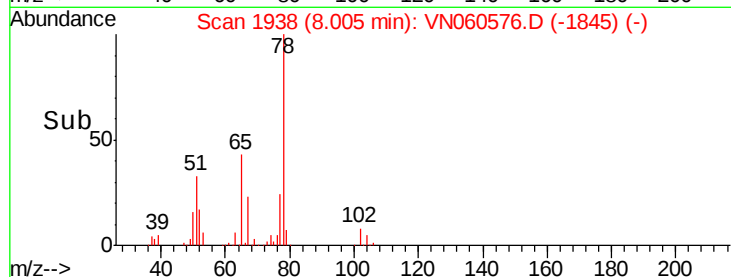
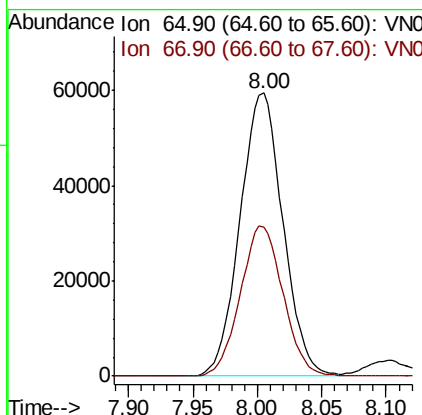
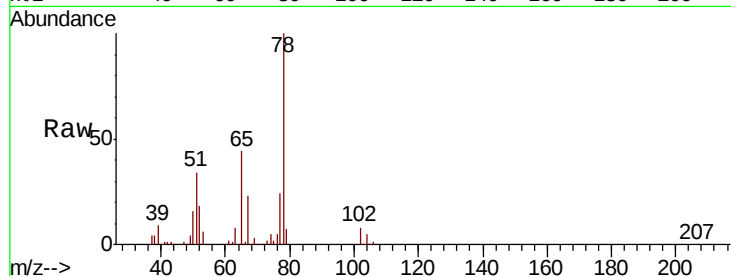




#33
 1,2-Dichloroethane-d4
 Concen: 47.759 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

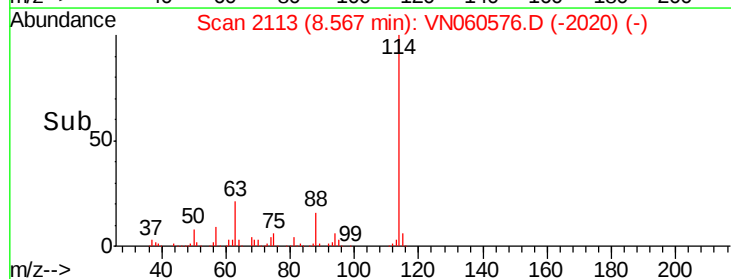
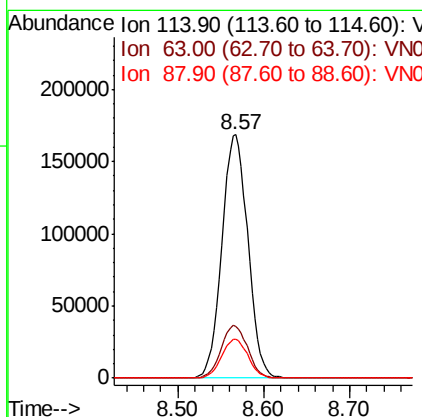
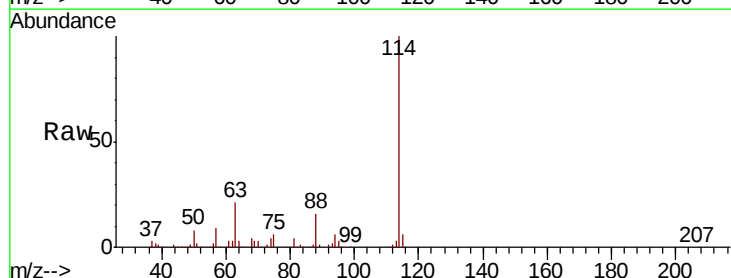
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

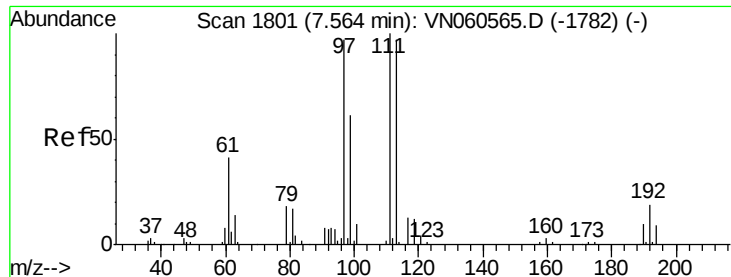
Tot Ion: 65 Resp: 137795
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 114 Resp: 353870
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.8
 88 16.1 0.0 33.0

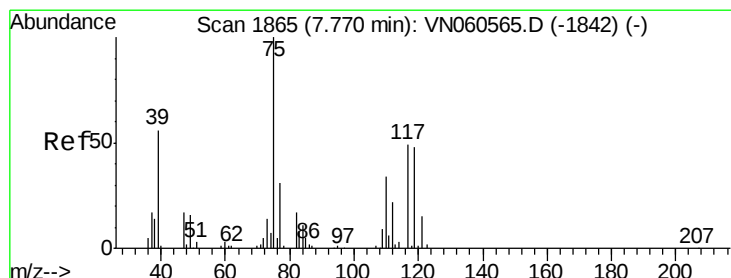
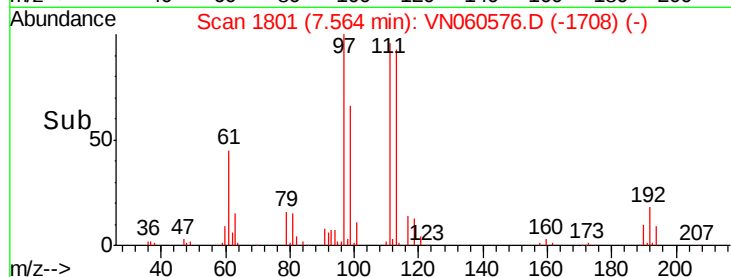
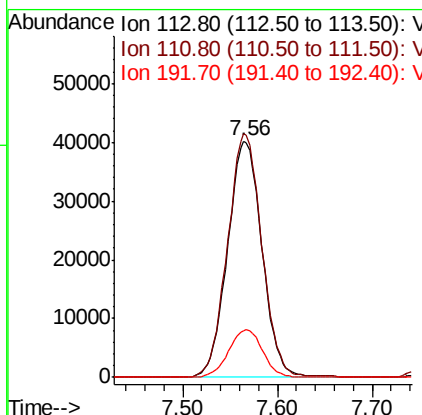
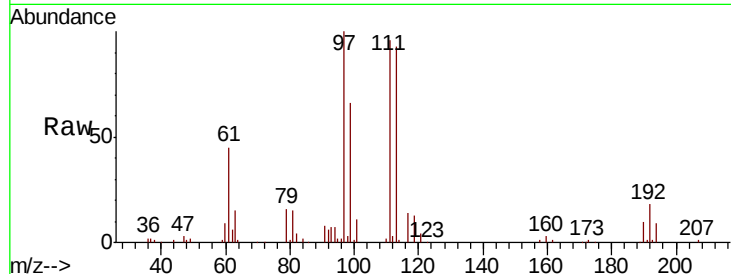




#35
 Dibromofluoromethane
 Concen: 47.533 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

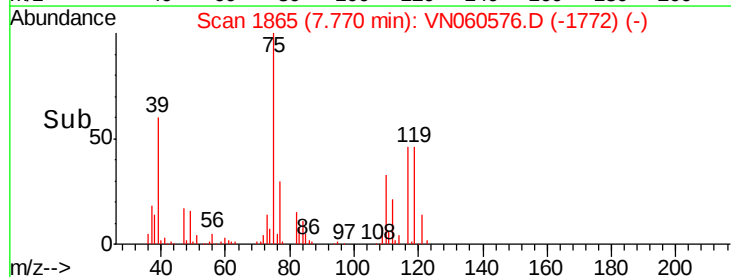
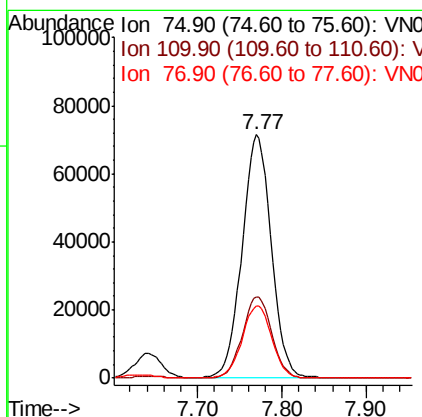
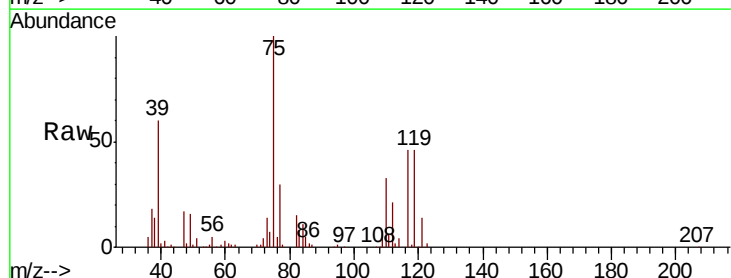
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

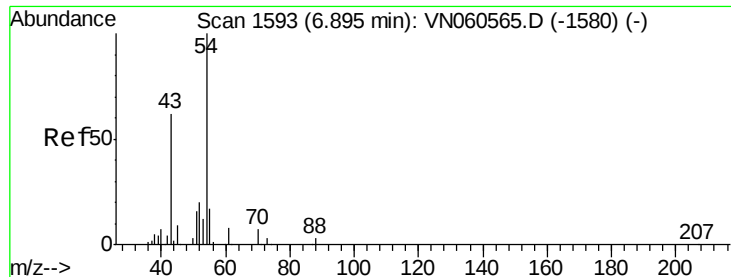
Tot Ion:113 Resp: 101708
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 50.361 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 75 Resp: 172565
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.9 50.6
 77 30.3 24.6 36.8

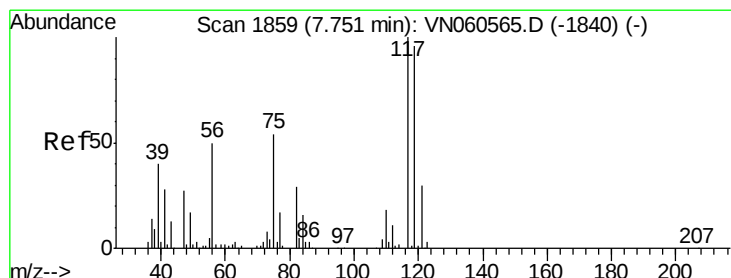
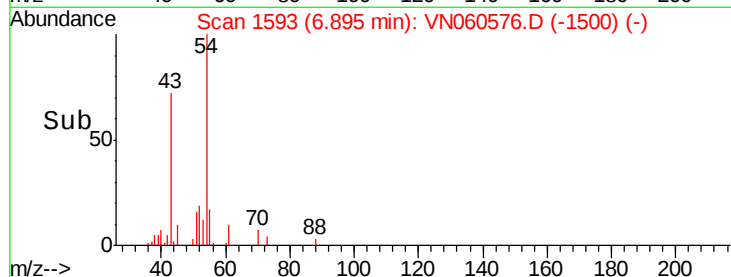
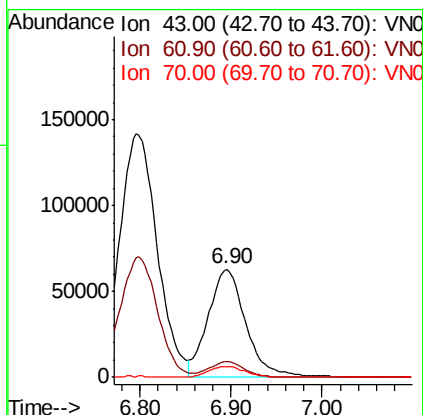
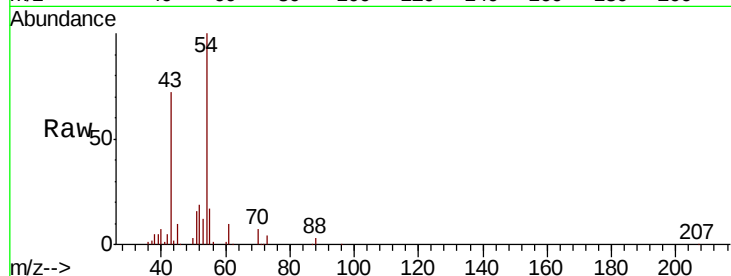




#37
Ethyl Acetate
Concen: 48.229 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

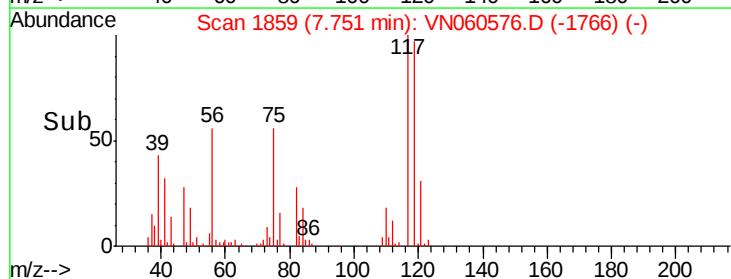
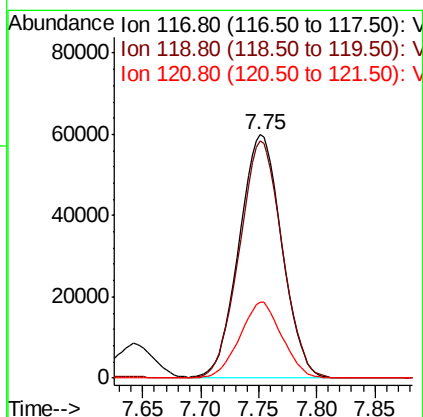
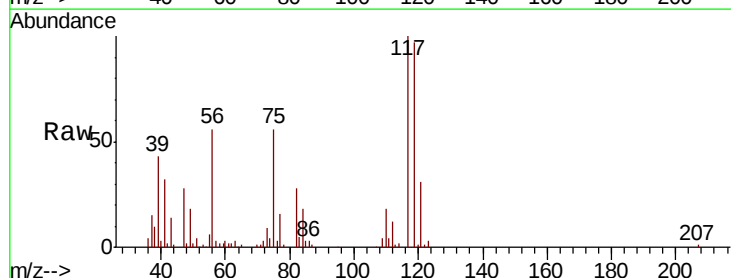
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

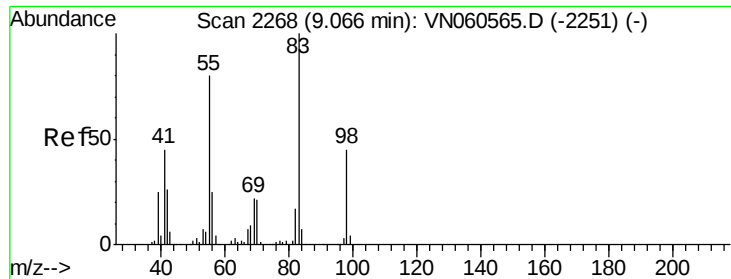
Tot Ion: 43 Resp: 178567
Ion Ratio Lower Upper
43 100
61 13.9 10.6 15.8
70 10.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.128 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 117 Resp: 153947
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.2
121 31.3 23.7 35.5

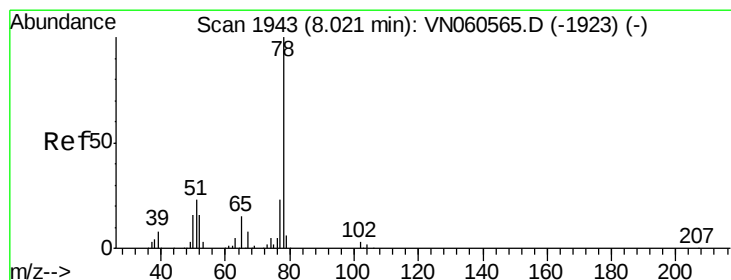
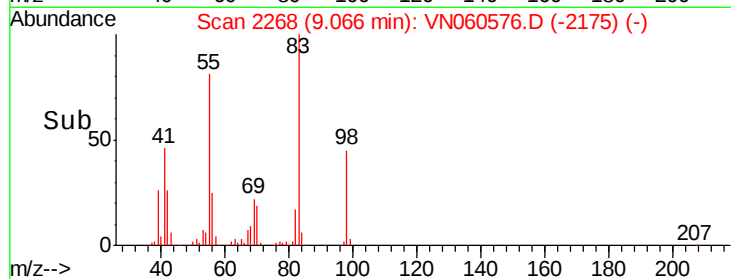
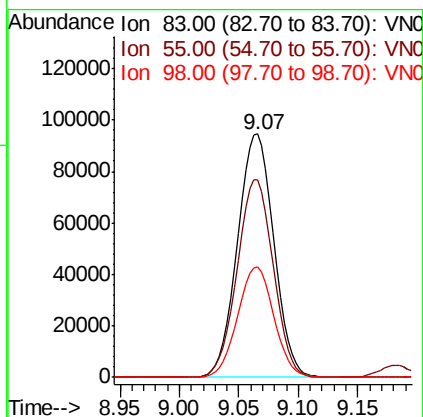
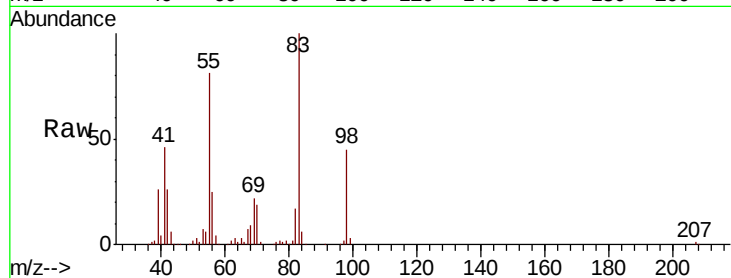




#39
Methvlcvclohexane
Concen: 49.216 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

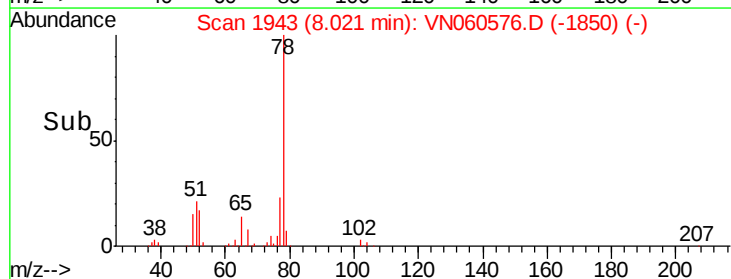
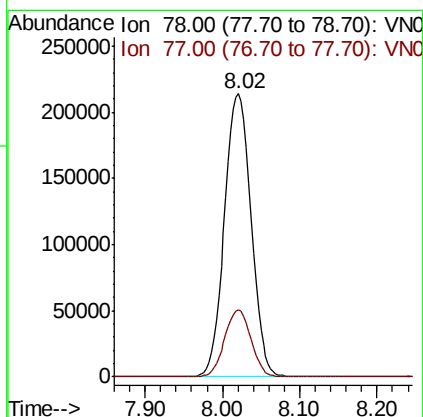
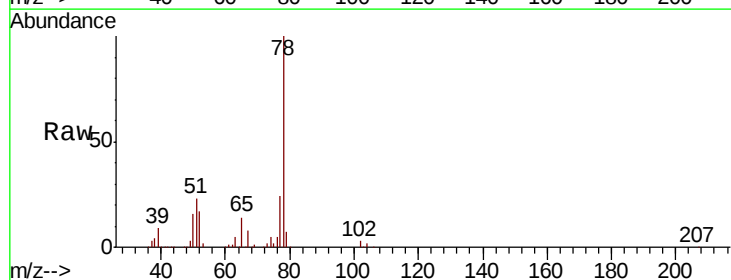
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

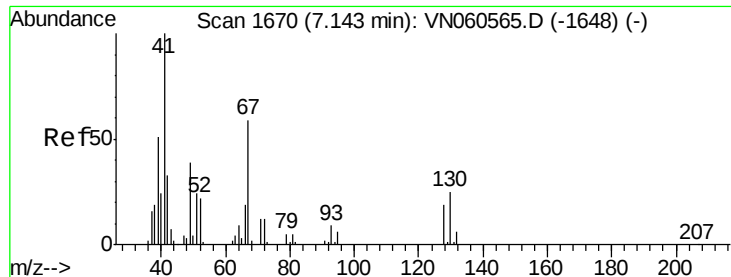
Tot Ion: 83 Resp: 200410
Ion Ratio Lower Upper
83 100
55 81.1 63.6 95.4
98 45.4 36.0 54.0



#40
Benzene
Concen: 49.415 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 78 Resp: 511141
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0

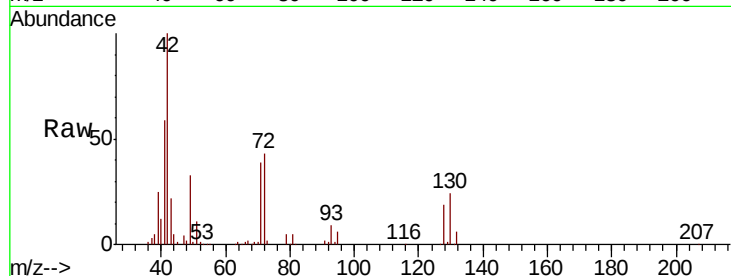




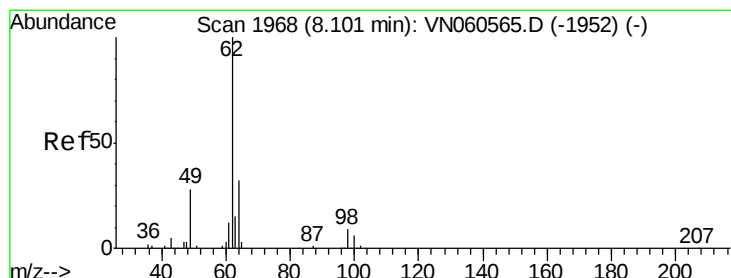
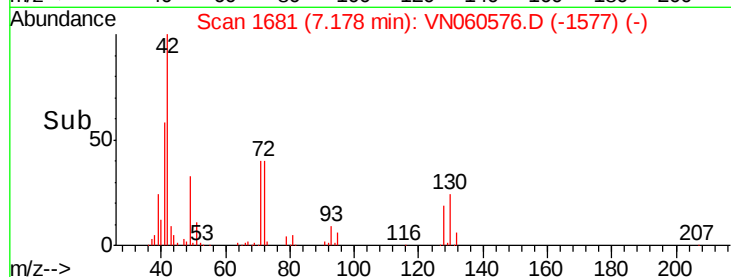
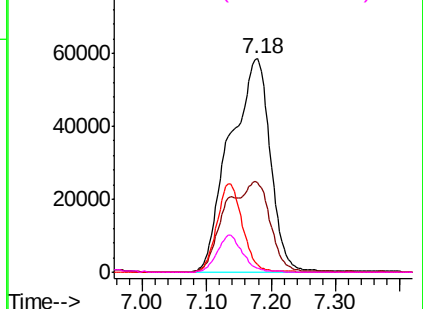
#41
Methacrylonitrile
Concen: 161.537 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.04 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	255246
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

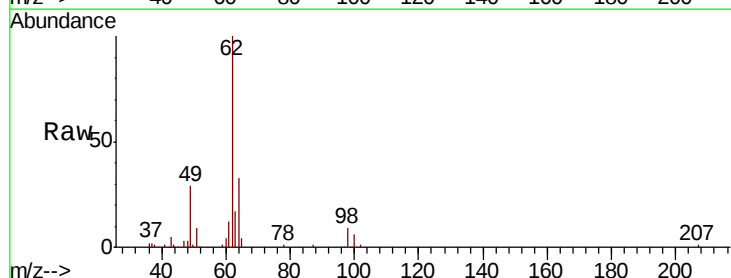


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

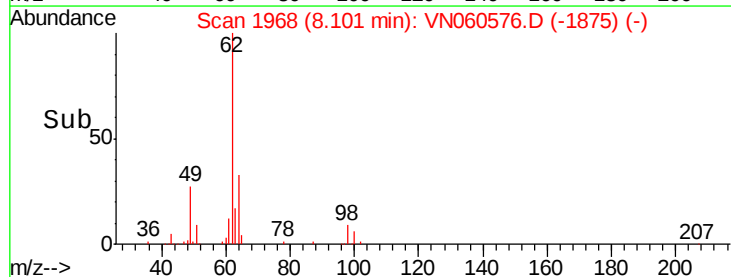
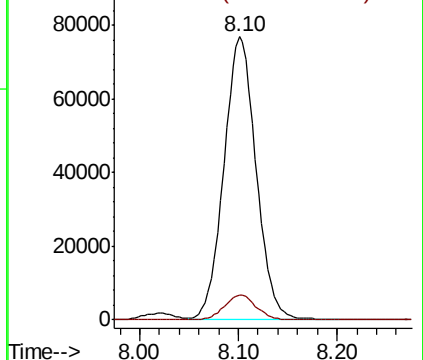


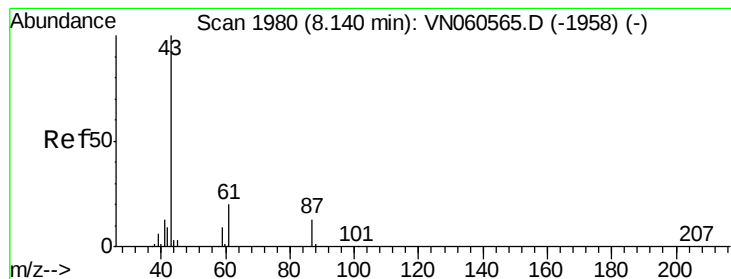
#42
1,2-Dichloroethane
Concen: 49.687 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:	62	Resp:	175645
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 49.640 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

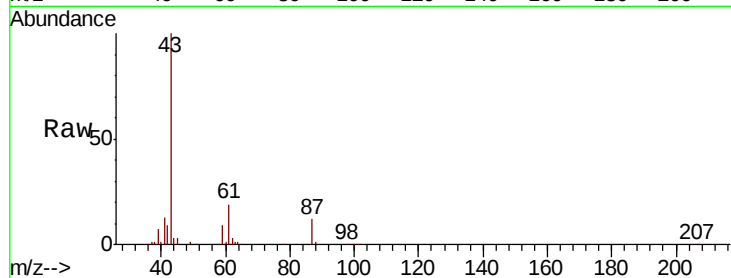
Tot Ion: 43 Resp: 303105

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

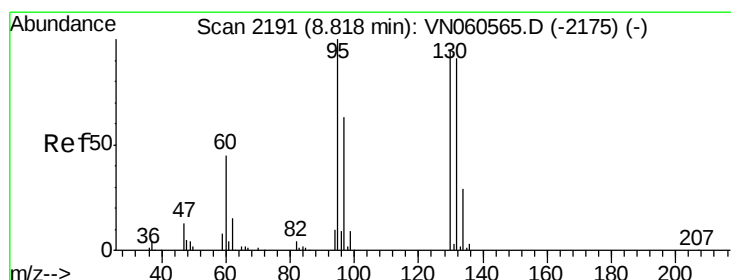
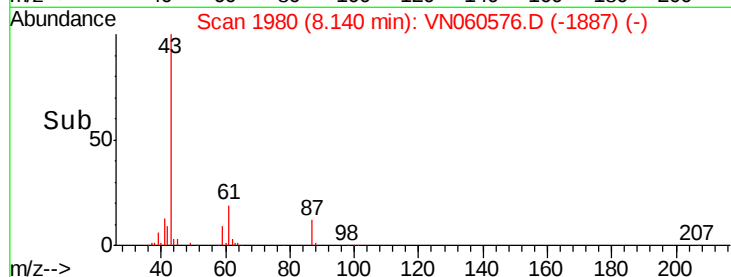
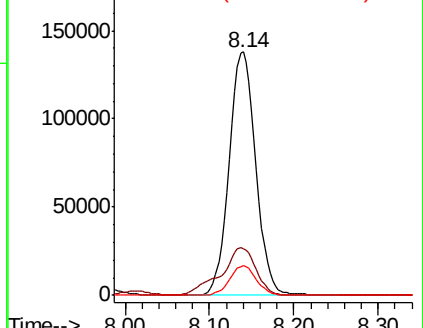
87 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 49.988 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060576.D

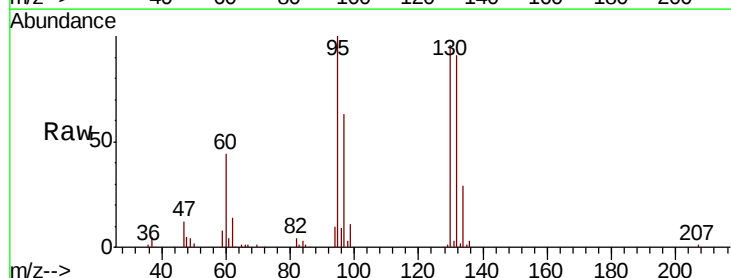
Acq: 18 Mar 2020 00:06

Tgt Ion:130 Resp: 130347

Ion Ratio Lower Upper

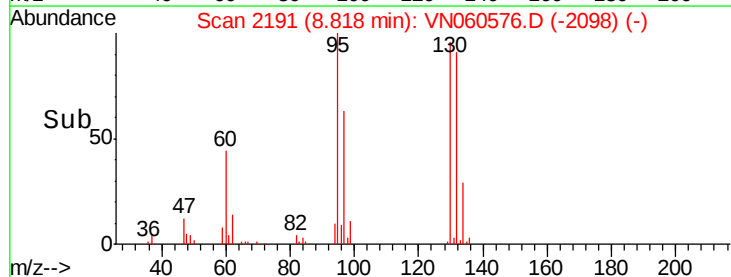
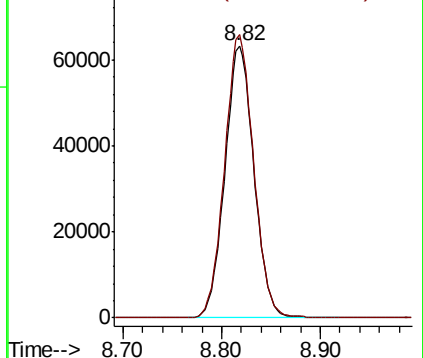
130 100

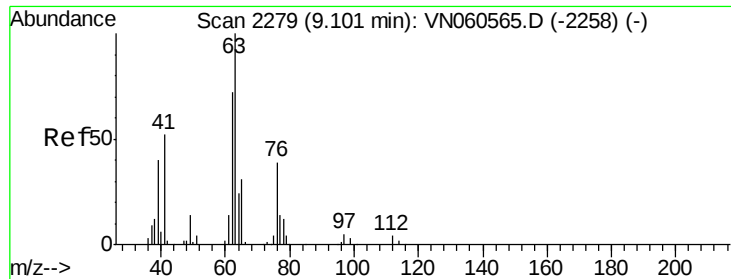
95 103.9 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 50.219 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

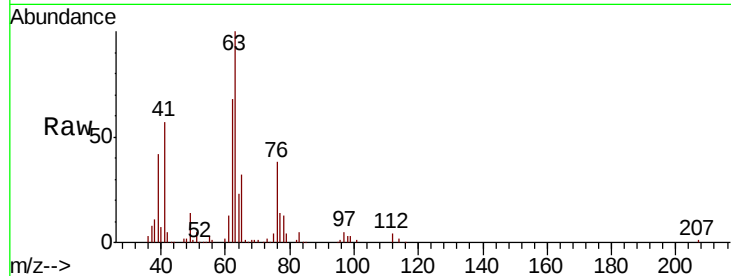
VSTDCCC050EC

Tot Ion: 63 Resp: 137069

Ion Ratio Lower Upper

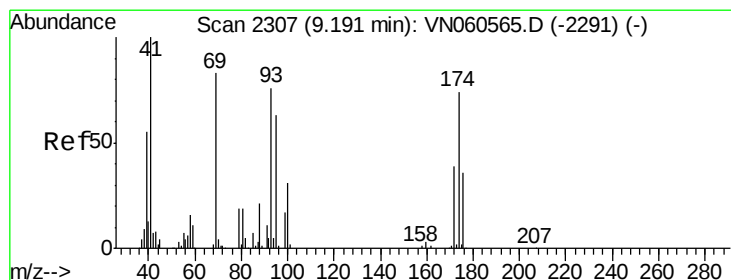
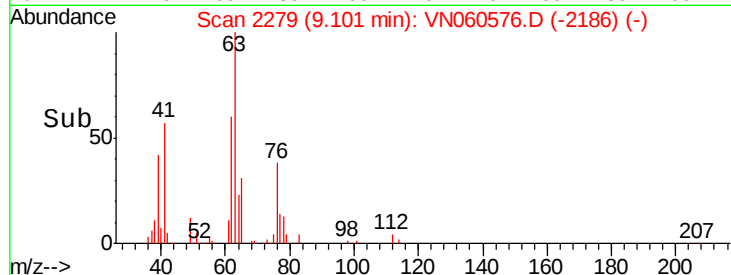
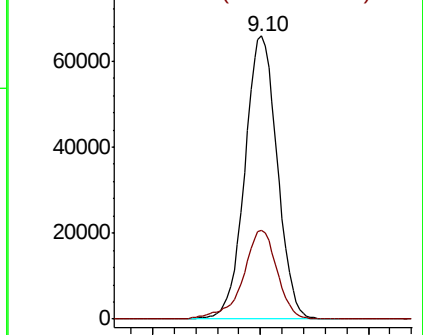
63 100

65 31.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN060576.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060576.D (-2186) (-)



#46

Dibromomethane

Concen: 50.559 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

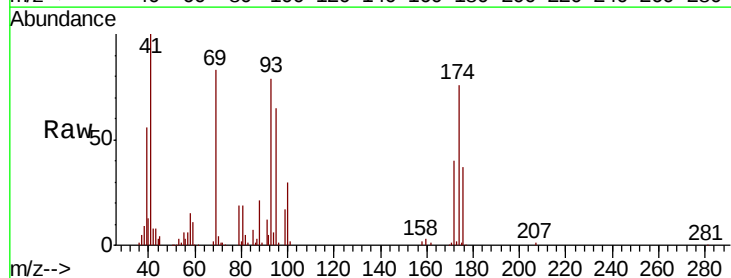
Tgt Ion: 93 Resp: 83427

Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

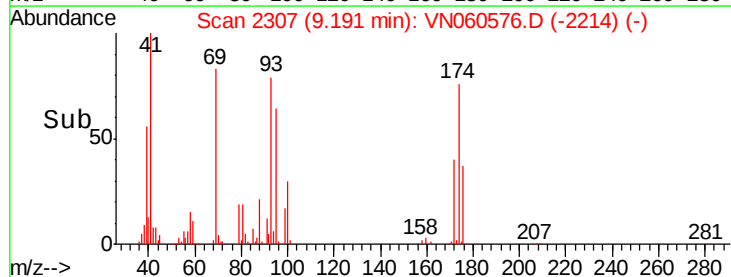
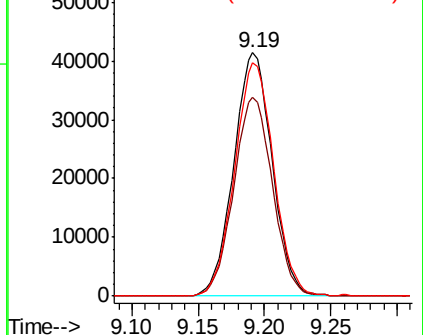
174 97.0 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN060576.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060576.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060576.D (-2214) (-)





#47

Bromodichloromethane

Concen: 50.466 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

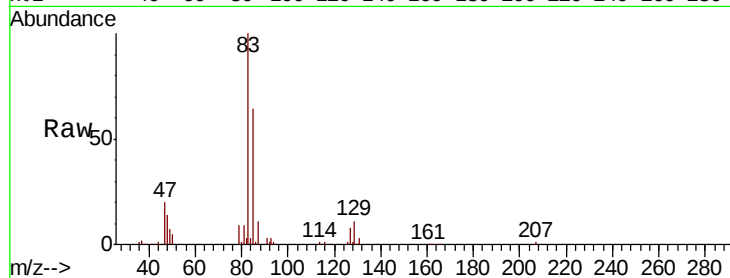
Tot Ion: 83 Resp: 173046

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

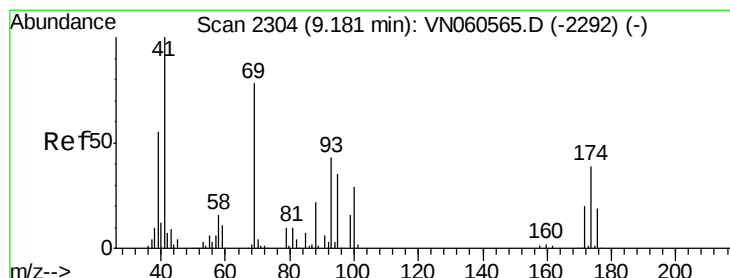
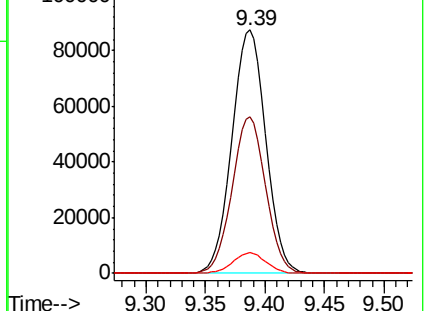
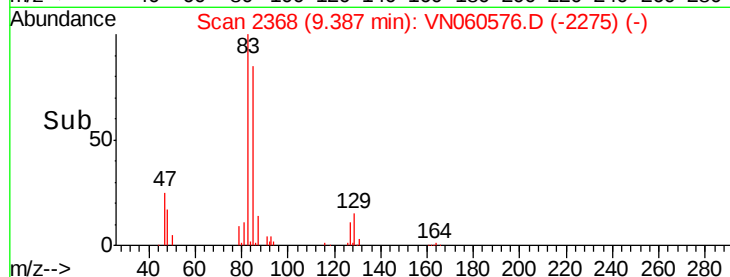
127 8.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060576.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060576.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060576.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.545 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

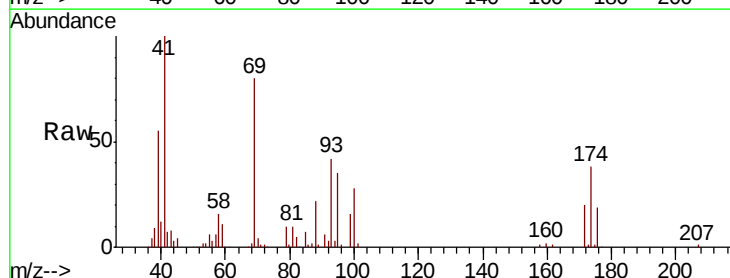
Tgt Ion: 41 Resp: 134692

Ion Ratio Lower Upper

41 100

69 82.6 65.4 98.0

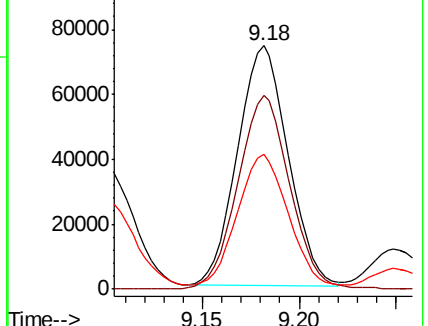
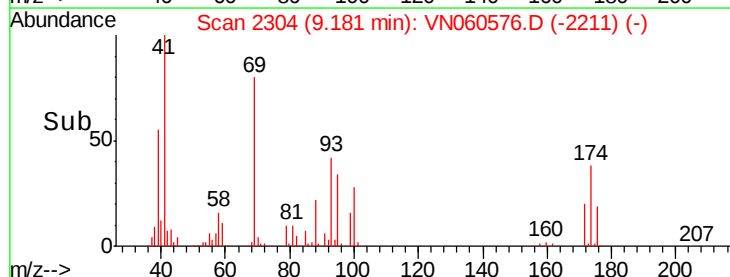
39 54.6 44.0 66.0

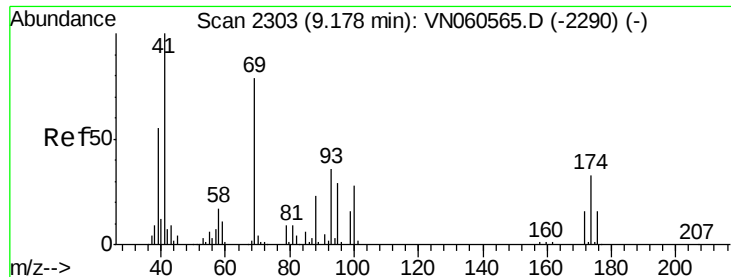


Abundance Ion 41.00 (40.70 to 41.70): VN060576.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060576.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060576.D (-2211) (-)

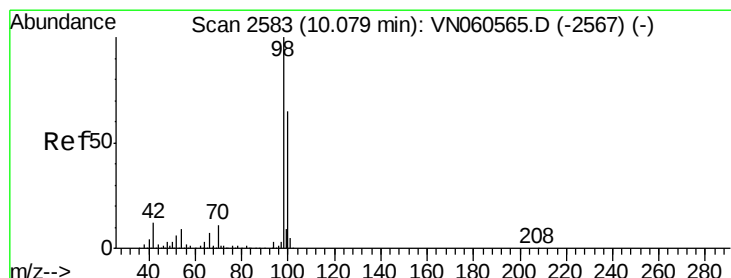
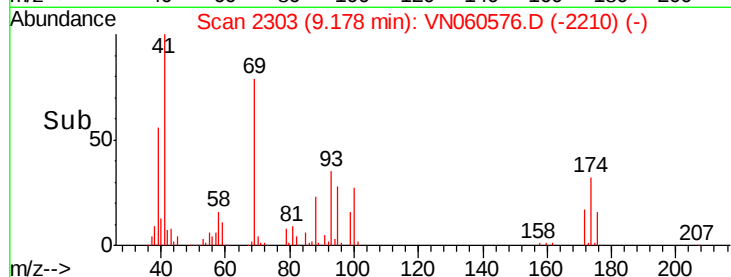
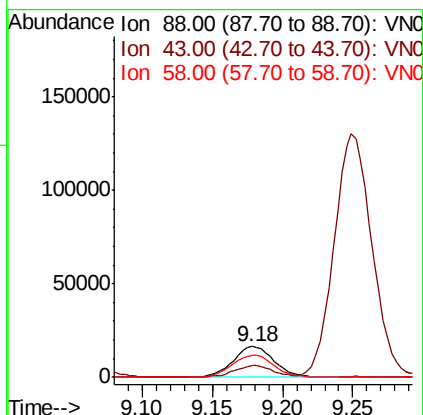
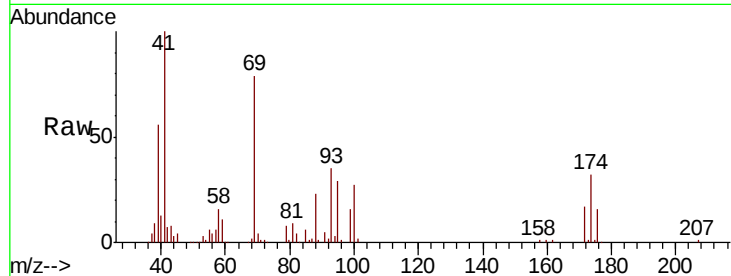




#49
1,4-Dioxane
Concen: 1039.958 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

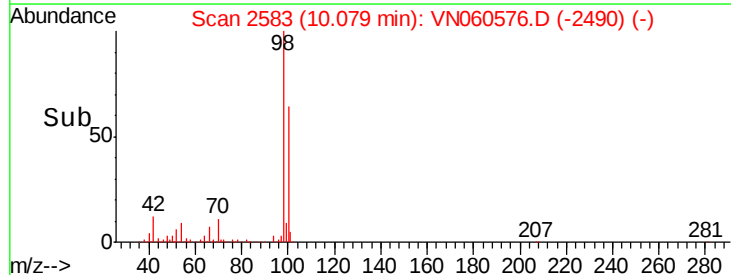
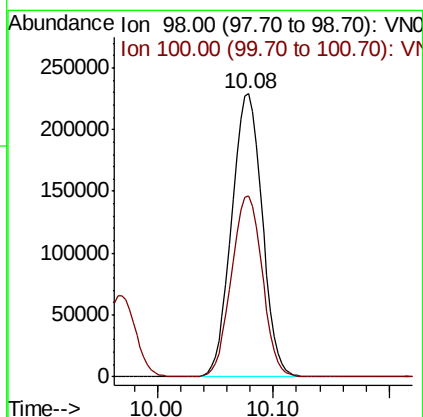
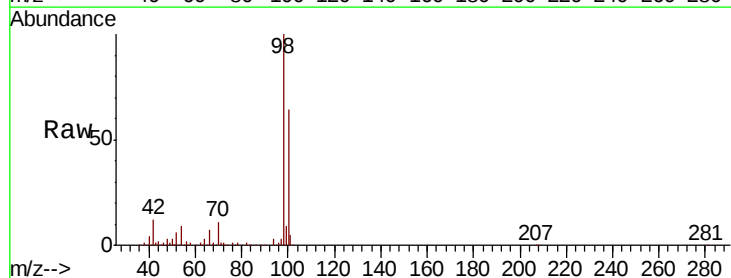
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

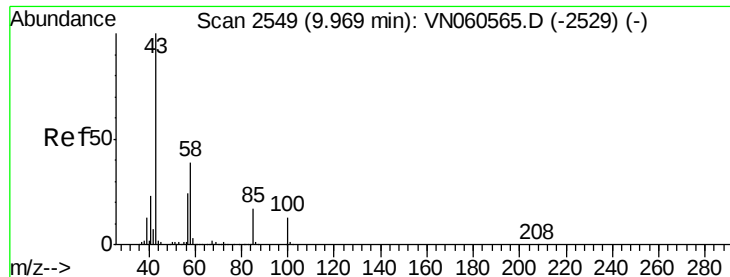
Tot Ion: 88 Resp: 33605
Ion Ratio Lower Upper
88 100
43 37.1 30.8 46.2
58 73.7 59.8 89.8



#50
Toluene-d8
Concen: 47.717 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 98 Resp: 417047
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 252.797 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

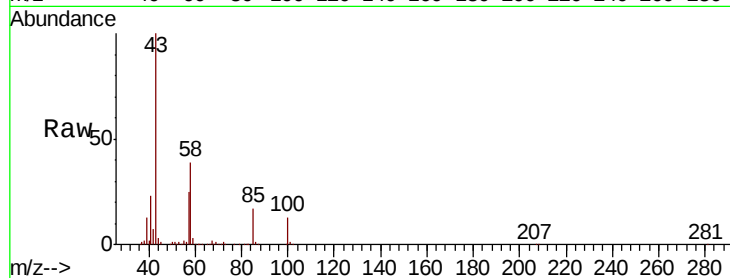
VSTDCCC050EC

Tot Ion: 43 Resp: 878378

Ion Ratio Lower Upper

43 100

58 38.6 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D

Ion 58.00 (57.70 to 58.70): VN060565.D

9.97

500000

400000

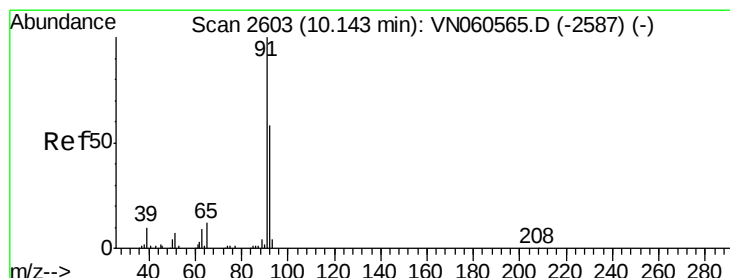
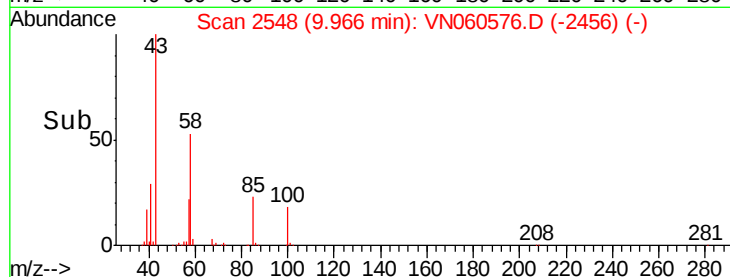
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.001 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060576.D

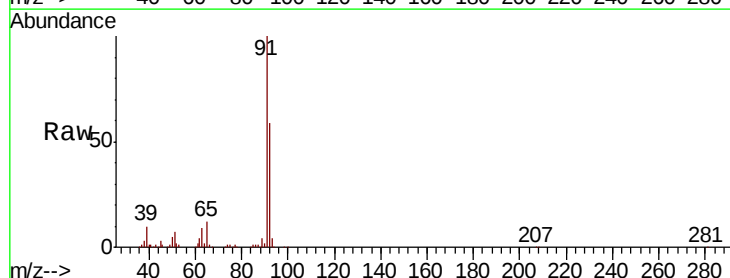
Acq: 18 Mar 2020 00:06

Tgt Ion: 92 Resp: 312358

Ion Ratio Lower Upper

92 100

91 171.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D

Ion 91.00 (90.70 to 91.70): VN060565.D

10.14

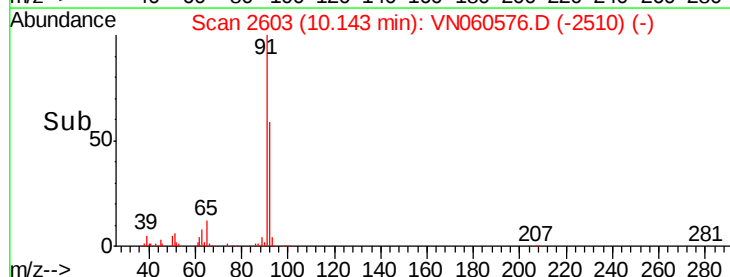
300000

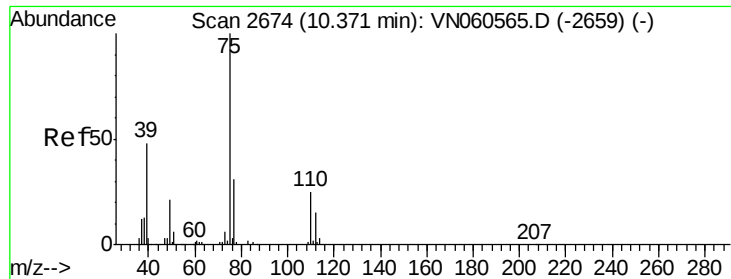
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.806 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

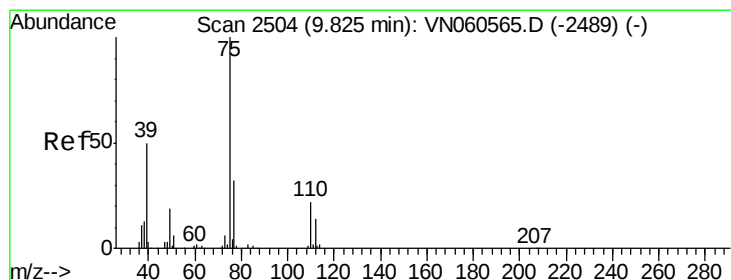
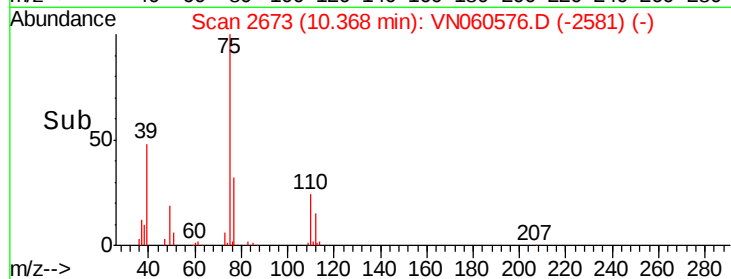
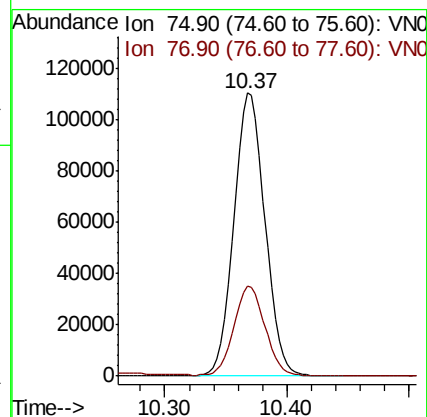
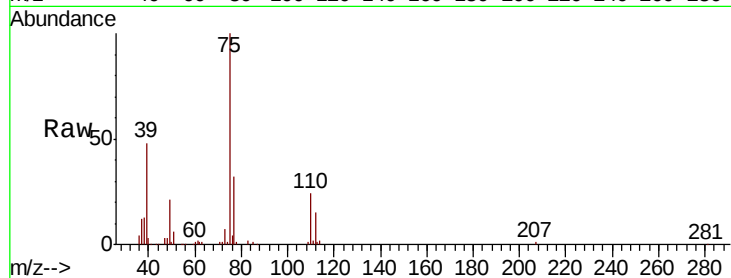
VSTDCCC050EC

Tot Ion: 75 Resp: 196171

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 49.074 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

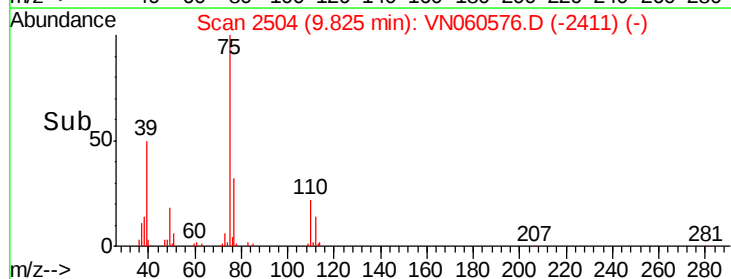
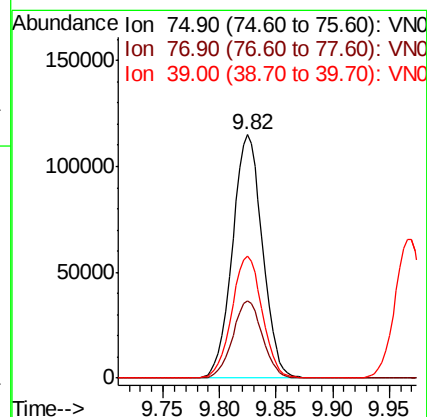
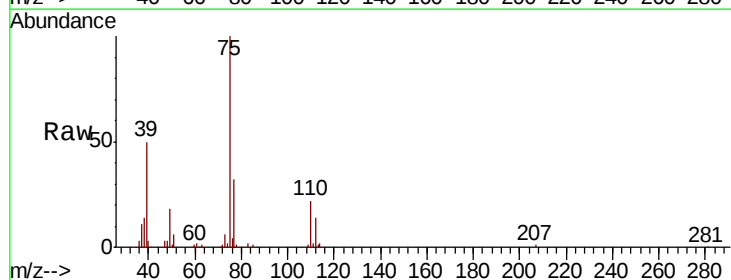
Tgt Ion: 75 Resp: 212050

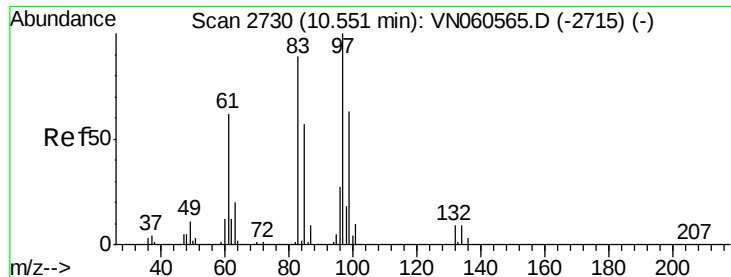
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 50.1 40.2 60.4

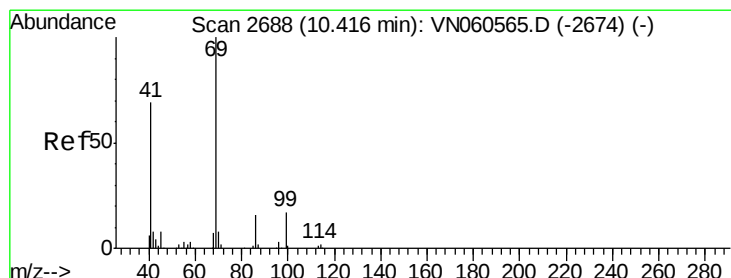
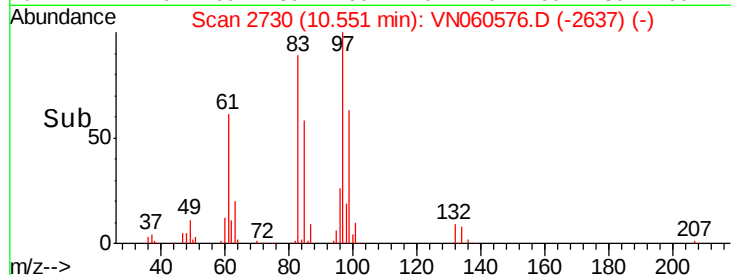
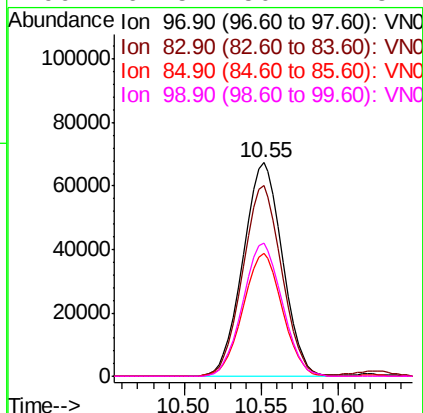
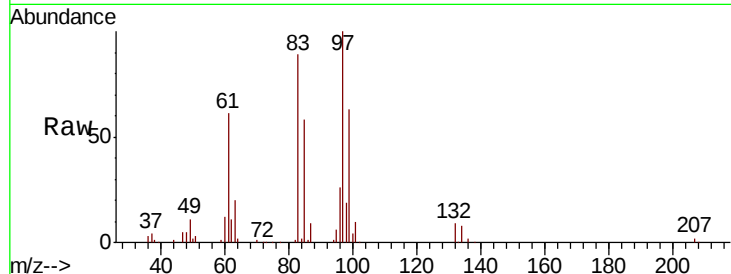




#55
 1,1,2-Trichloroethane
 Concen: 49.906 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

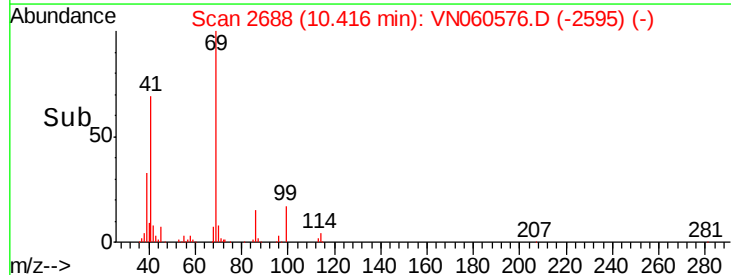
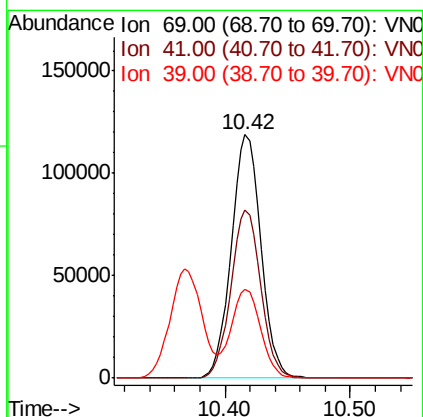
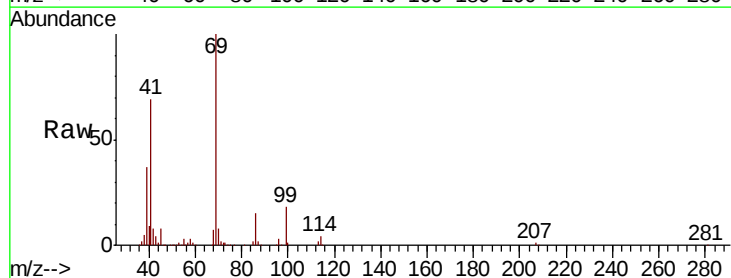
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 119941
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.3 106.9
 85 57.5 45.2 67.8
 99 62.5 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 52.106 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 69 Resp: 195257
 Ion Ratio Lower Upper
 69 100
 41 68.9 55.4 83.2
 39 36.6 29.4 44.0





#57

1,3-Dichloropropane

Concen: 50.165 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

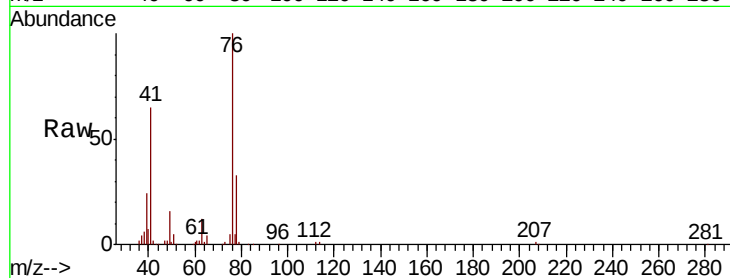
VSTDCCC050EC

Tot Ion: 76 Resp: 209212

Ion Ratio Lower Upper

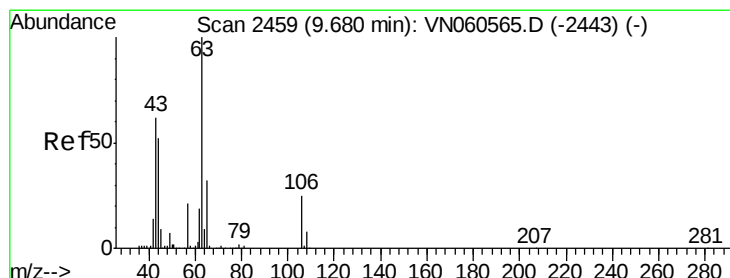
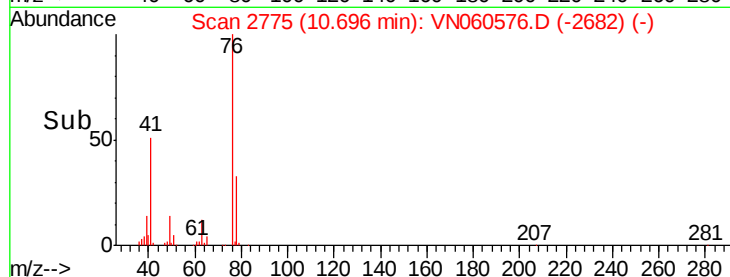
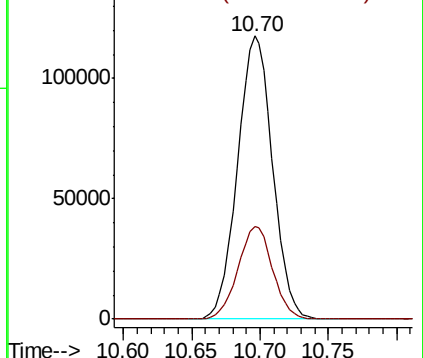
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 265.312 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060576.D

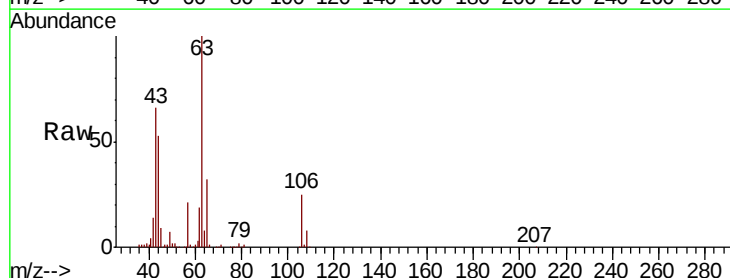
Acq: 18 Mar 2020 00:06

Tgt Ion: 63 Resp: 494136

Ion Ratio Lower Upper

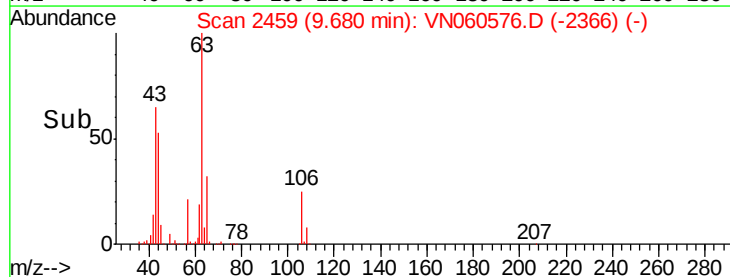
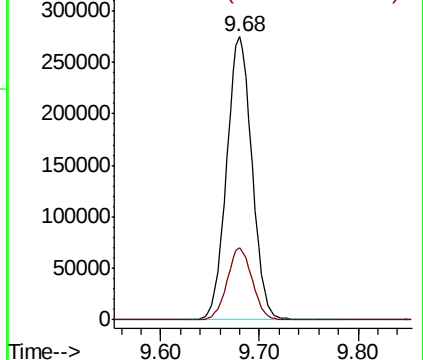
63 100

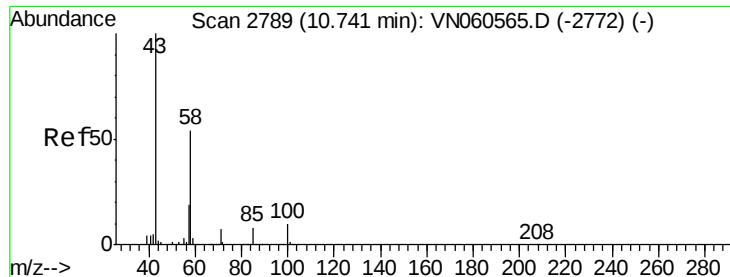
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

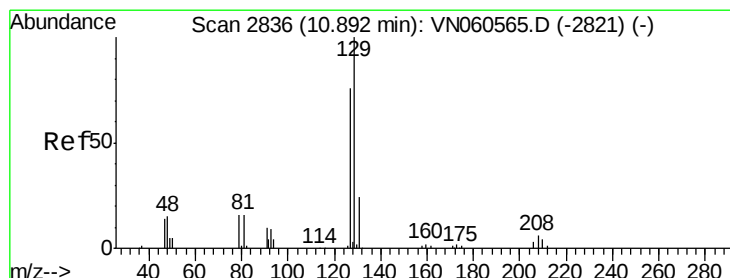
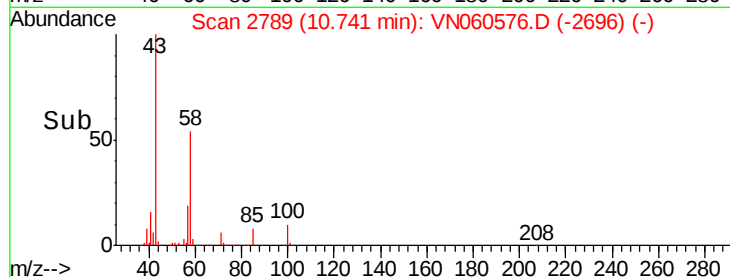
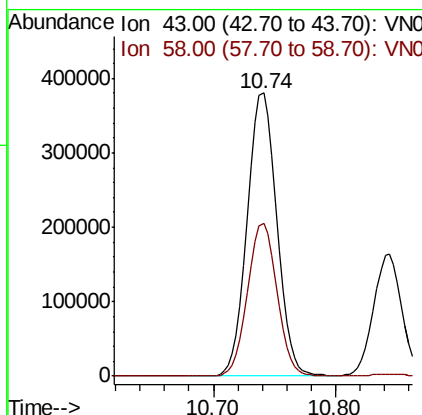
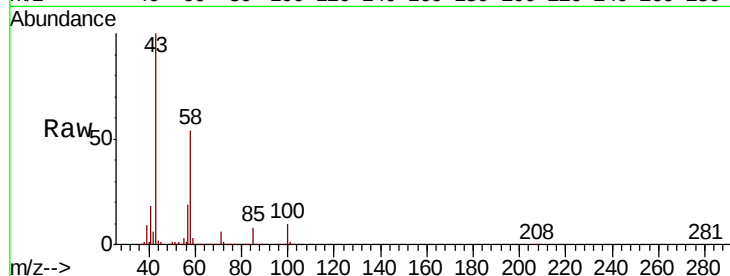




#59
2-Hexanone
Concen: 253.658 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

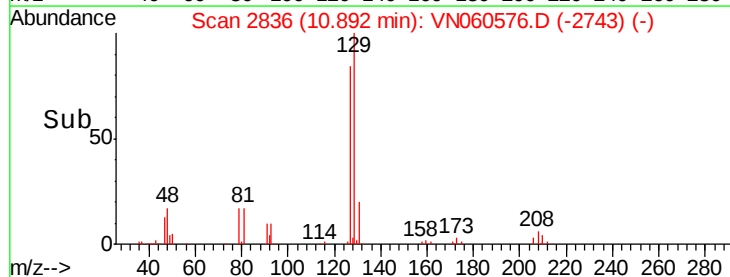
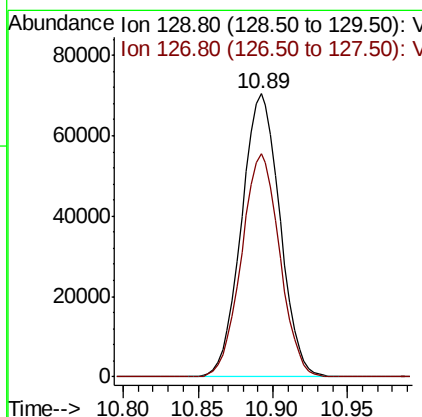
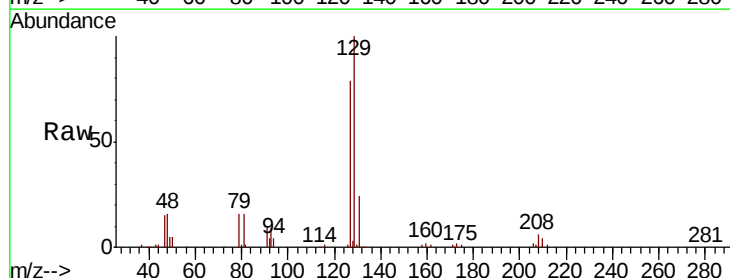
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

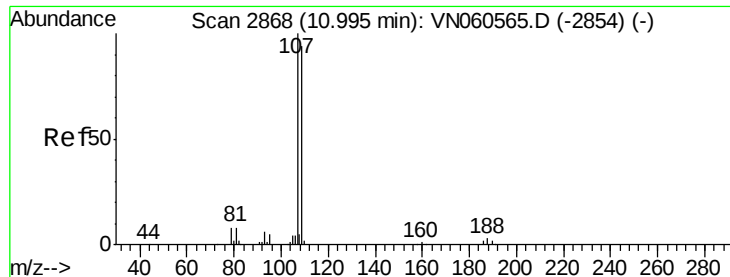
Tot Ion: 43 Resp: 634895
Ion Ratio Lower Upper
43 100
58 53.7 26.7 80.1



#60
Dibromochloromethane
Concen: 50.749 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 129 Resp: 125986
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.415 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

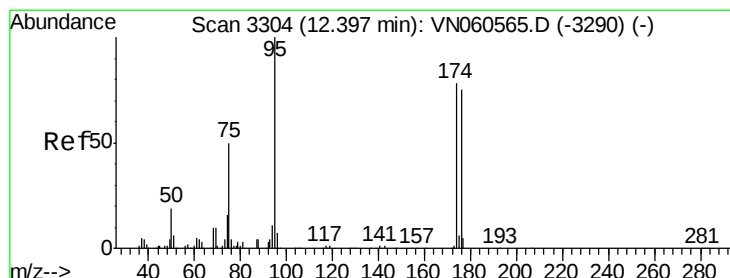
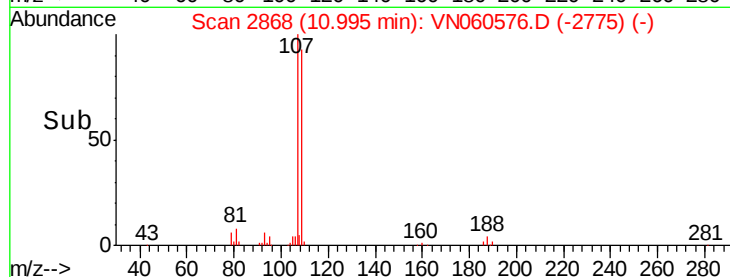
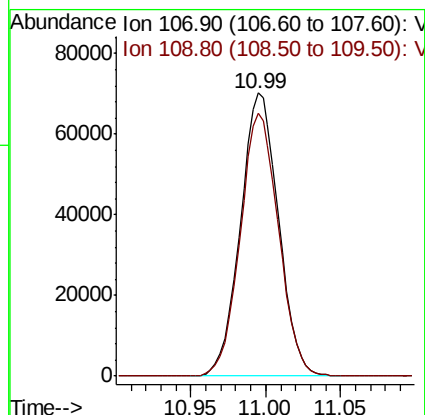
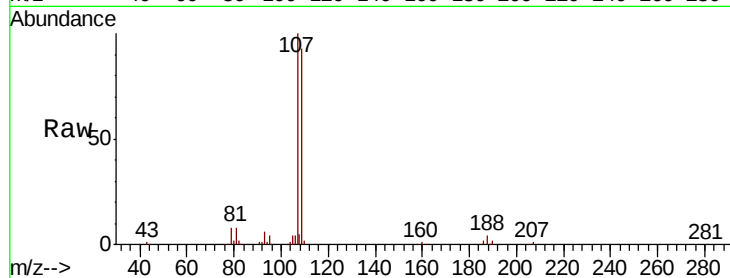
VSTDCCC050EC

Tot Ion:107 Resp: 124253

Ion Ratio Lower Upper

107 100

109 93.3 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 47.140 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

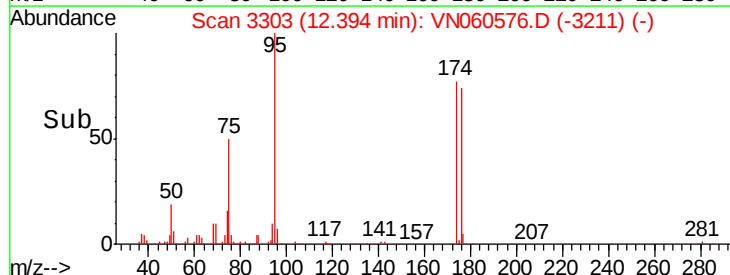
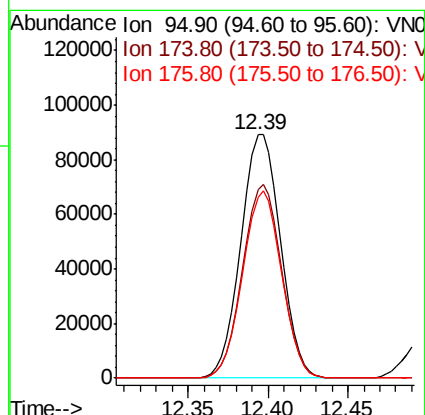
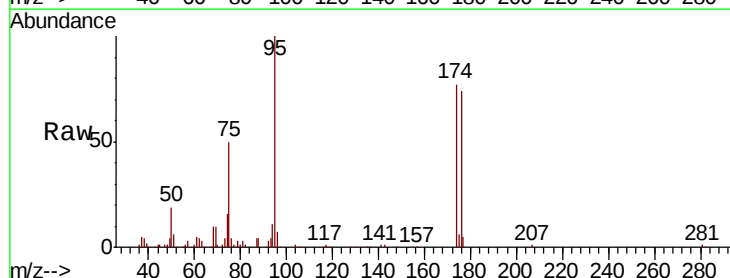
Tgt Ion: 95 Resp: 150995

Ion Ratio Lower Upper

95 100

174 78.1 0.0 157.6

176 75.4 0.0 150.6

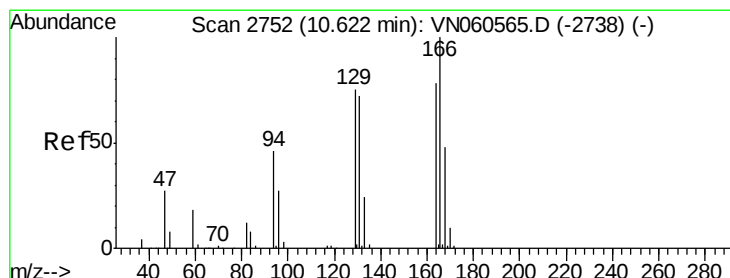
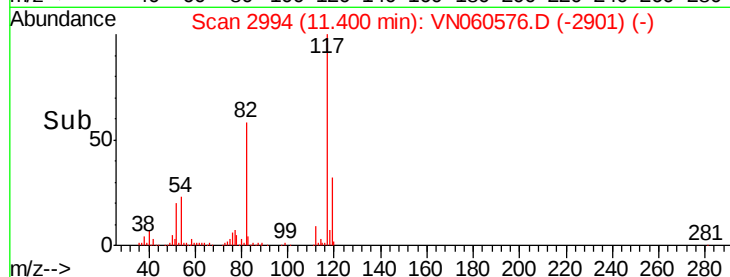
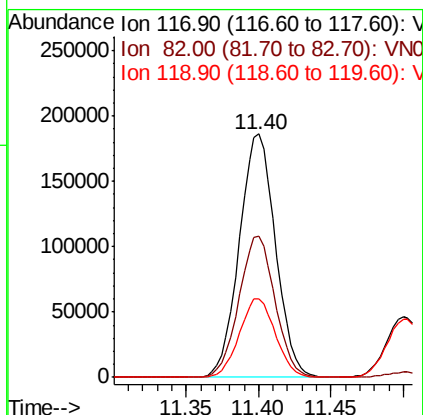
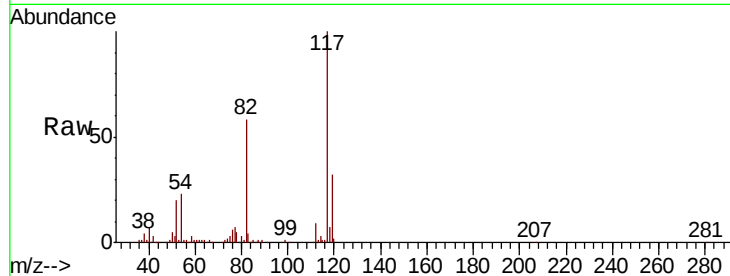




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

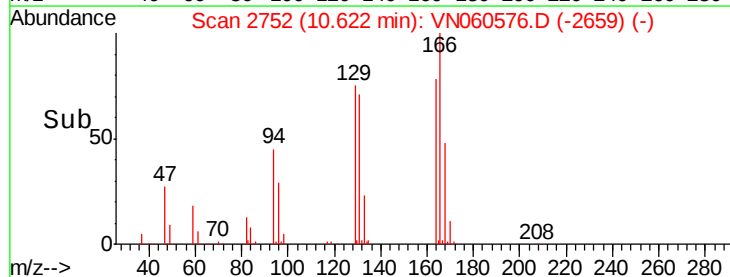
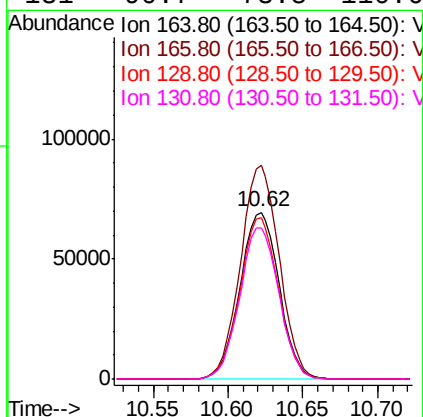
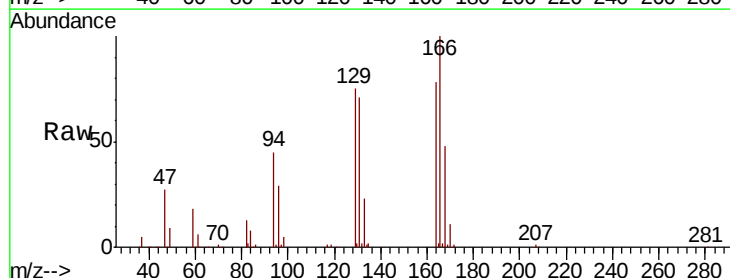
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 322847
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 49.723 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:164 Resp: 126323
Ion Ratio Lower Upper
164 100
166 128.3 102.7 154.1
129 96.5 77.2 115.8
131 90.7 73.8 110.6

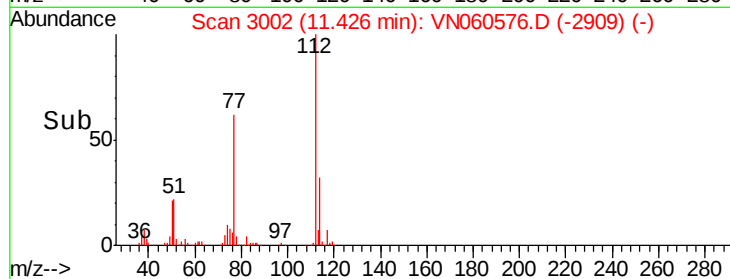
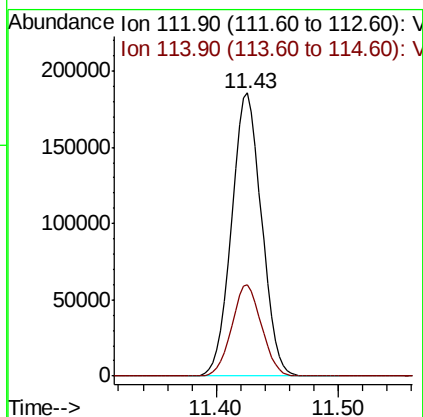
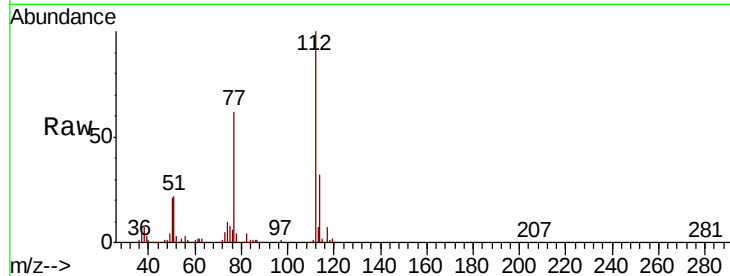




#65
Chlorobenzene
Concen: 49.551 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

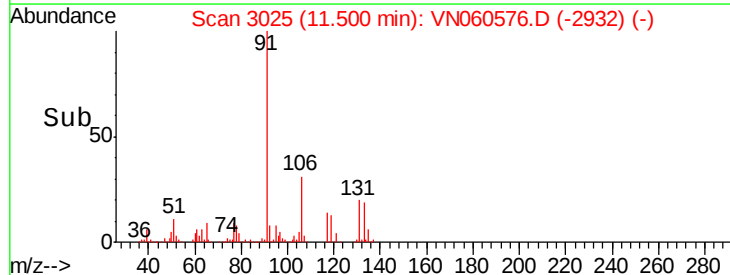
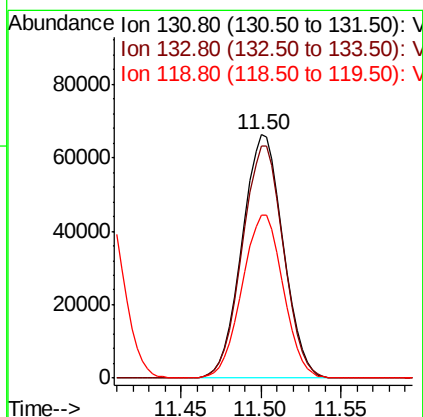
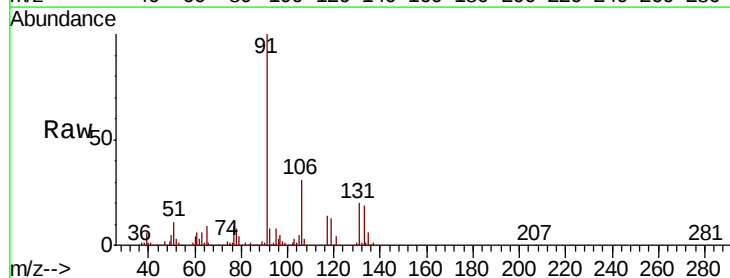
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 317135
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.124 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:131 Resp: 116150
Ion Ratio Lower Upper
131 100
133 96.0 48.9 146.8
119 67.3 33.9 101.7





#67

Ethyl Benzene

Concen: 50.319 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

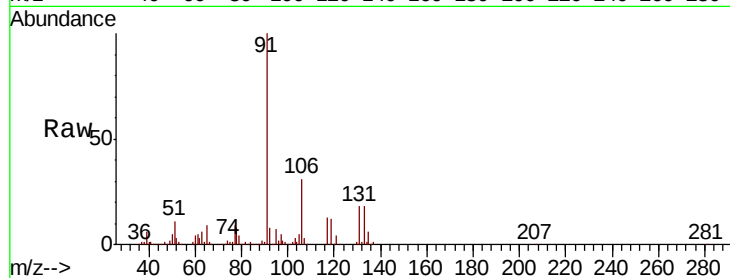
VSTDCCC050EC

Tot Ion: 91 Resp: 598904

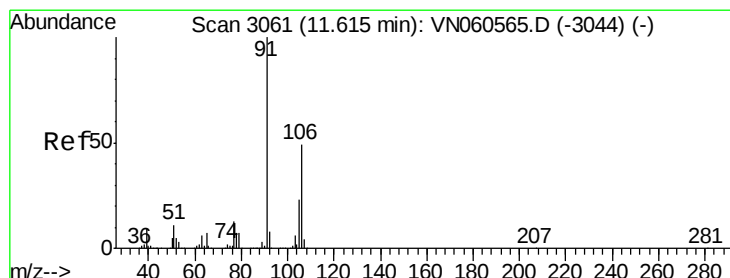
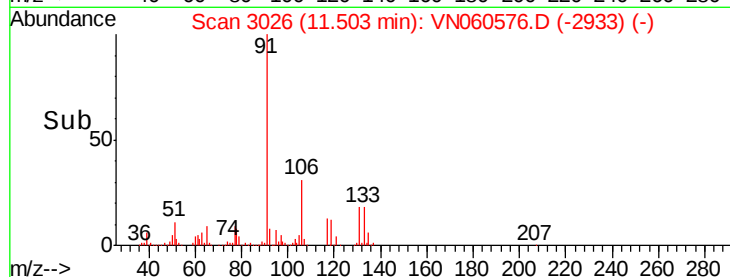
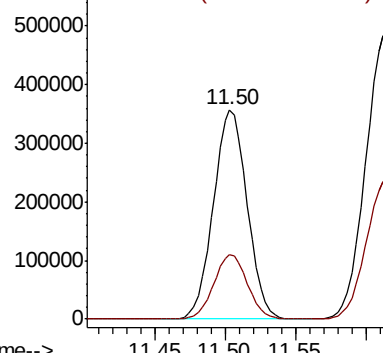
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)



#68

m/p-Xylenes

Concen: 100.774 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060576.D

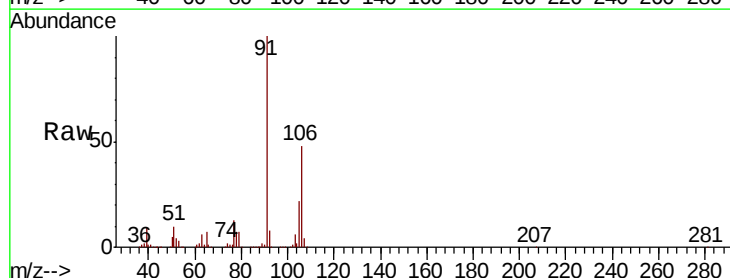
Acq: 18 Mar 2020 00:06

Tgt Ion: 106 Resp: 445710

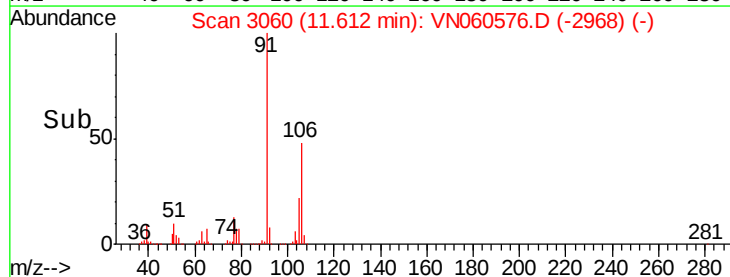
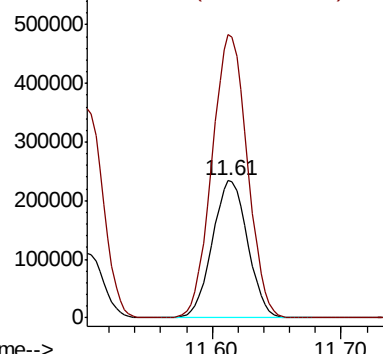
Ion Ratio Lower Upper

106 100

91 206.4 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)

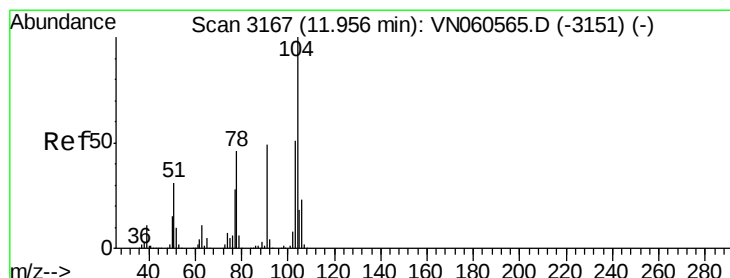
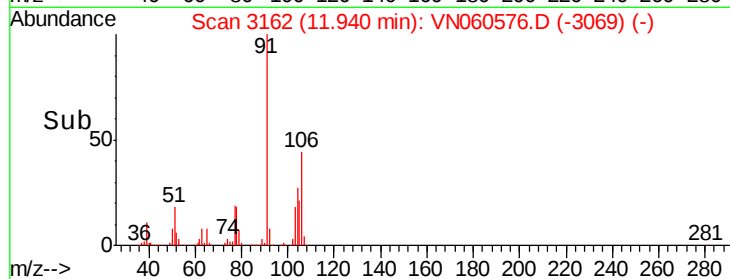
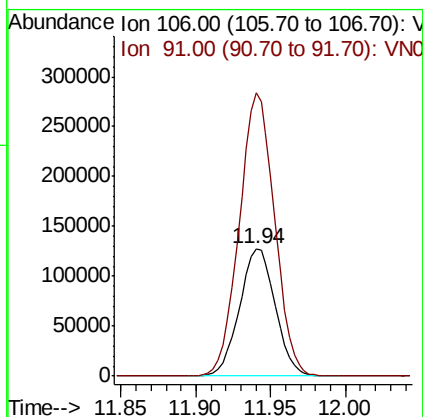
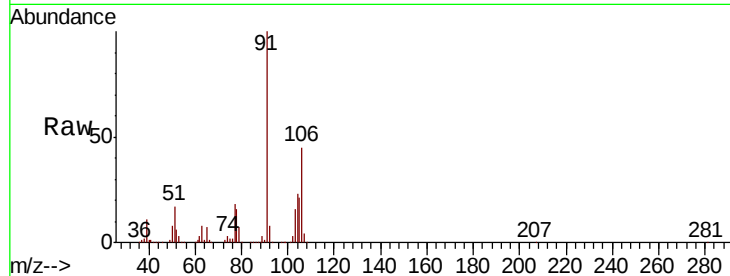




#69
o-Xylene
Concen: 50.158 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

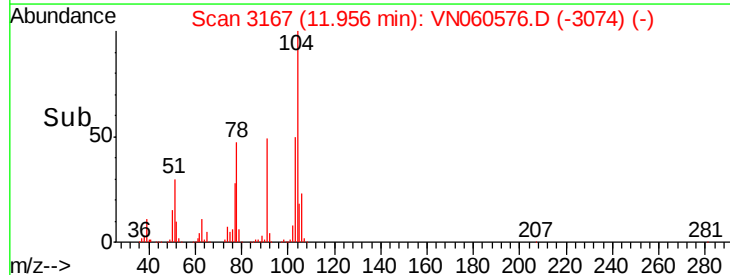
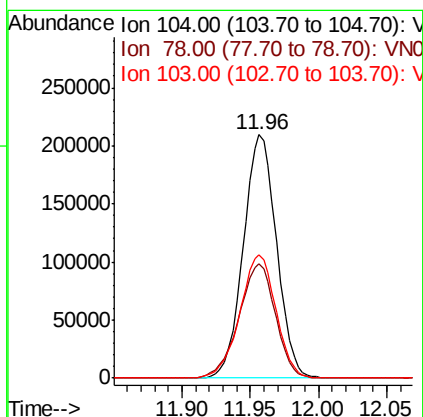
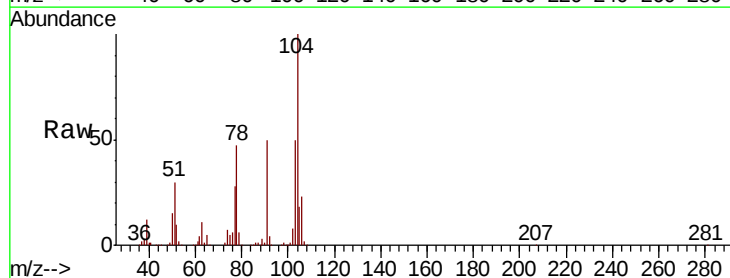
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

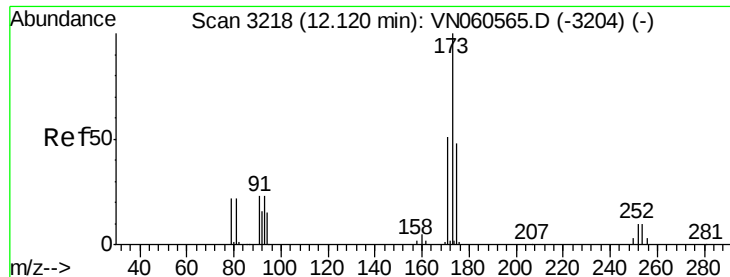
Tot Ion:106 Resp: 211775
Ion Ratio Lower Upper
106 100
91 220.0 109.5 328.4



#70
Styrene
Concen: 51.230 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:104 Resp: 353756
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.9 44.0 66.0

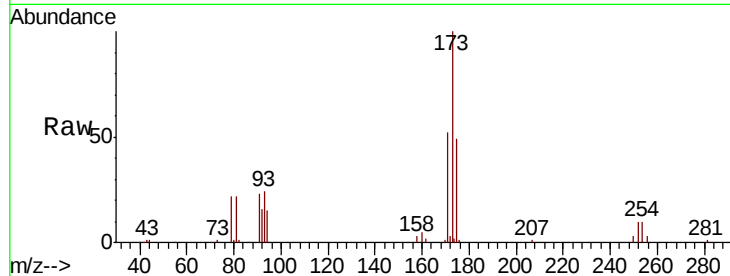




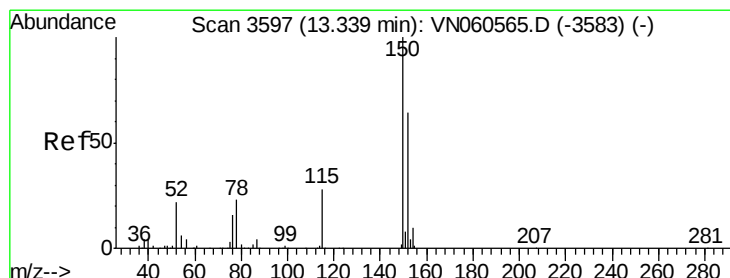
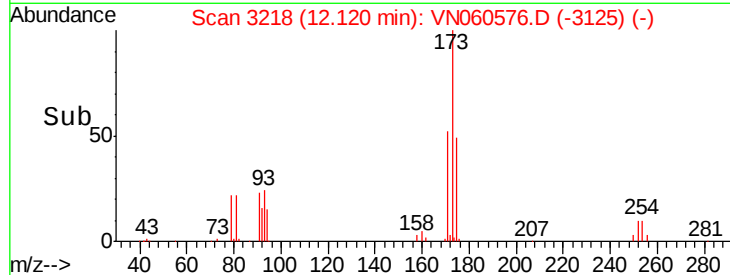
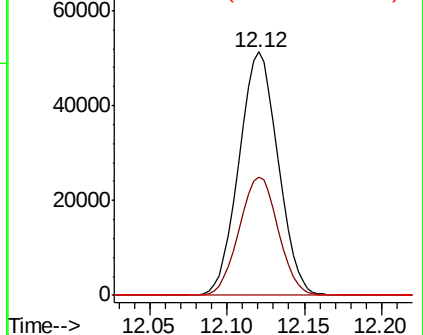
#71
Bromoform
Concen: 47.081 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 90480
Ion Ratio Lower Upper
173 100
175 48.5 24.1 72.4
254 0.0 0.0 0.0

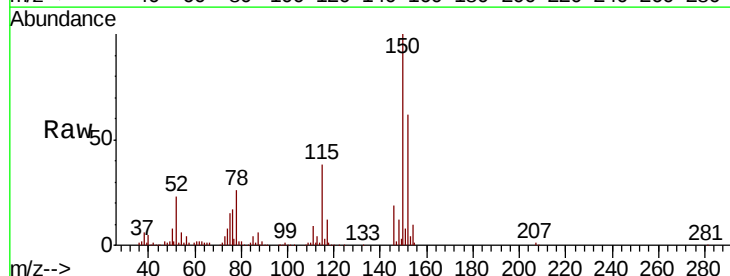


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

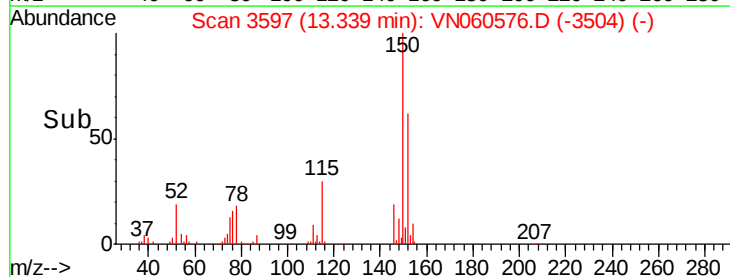
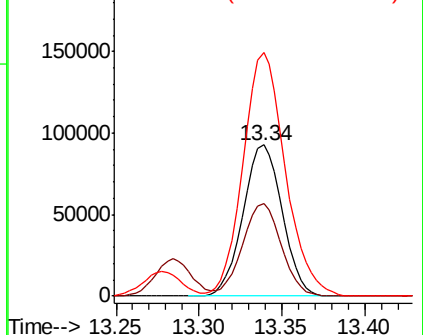


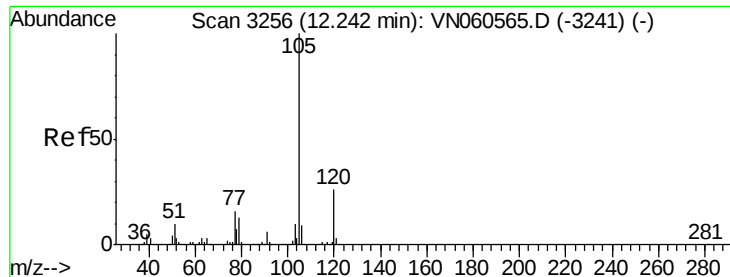
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:152 Resp: 152460
Ion Ratio Lower Upper
152 100
115 60.3 30.2 90.6
150 173.5 0.0 350.2



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





#73

Isopropylbenzene

Concen: 50.037 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

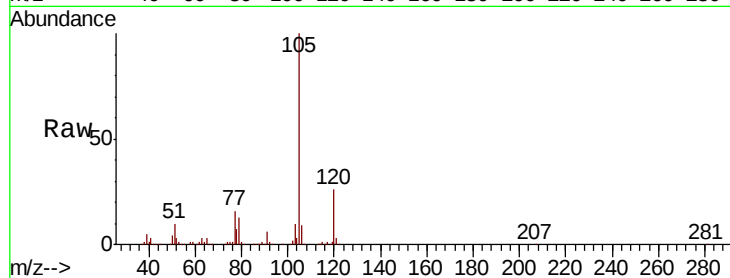
VSTDCCC050EC

Tot Ion:105 Resp: 572497

Ion Ratio Lower Upper

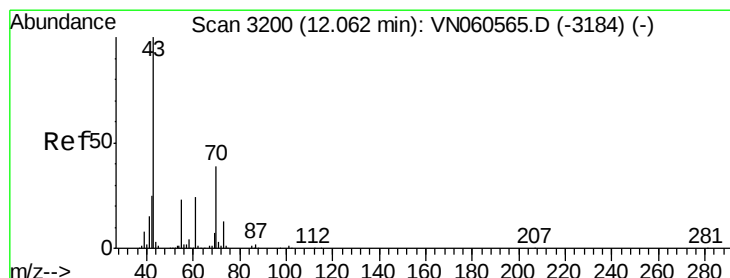
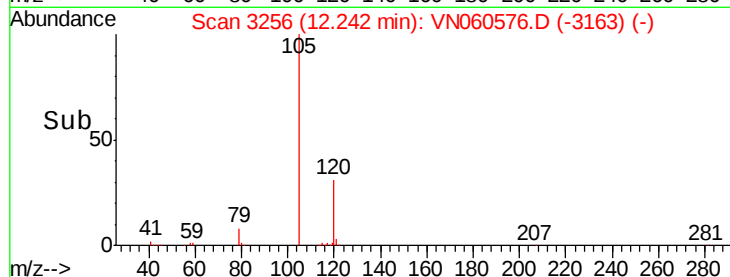
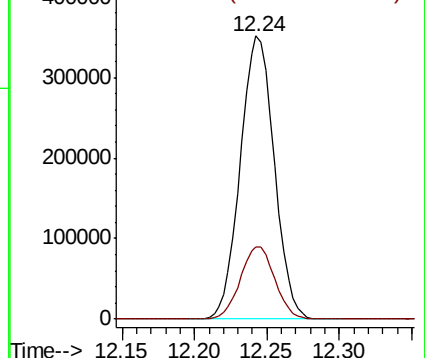
105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.967 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion: 43 Resp: 264173

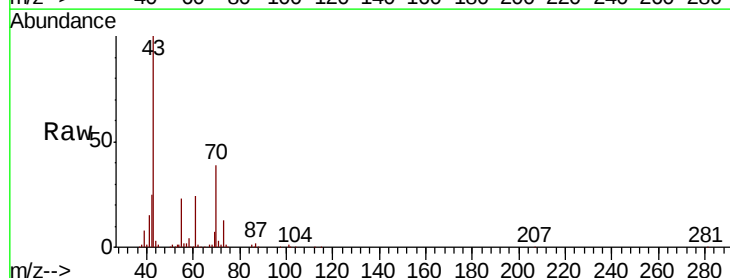
Ion Ratio Lower Upper

43 100

70 39.2 31.1 46.7

55 23.3 18.6 27.8

61 23.5 18.9 28.3

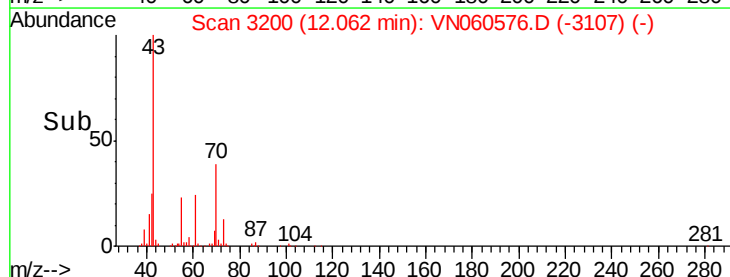
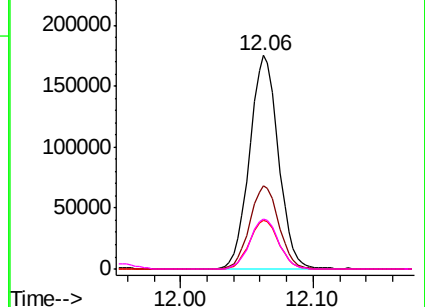


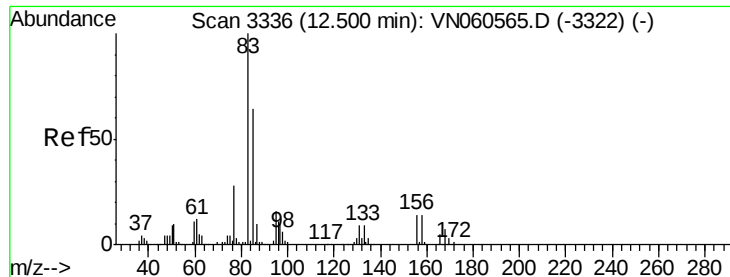
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.676 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

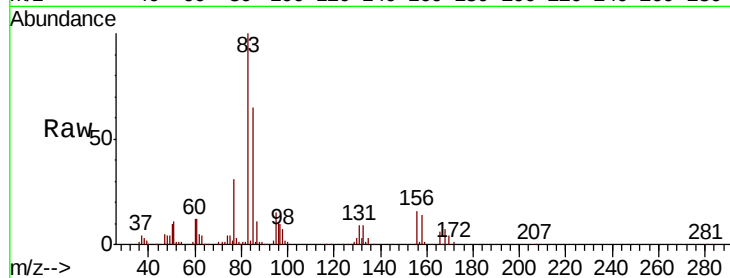
Tot Ion: 83 Resp: 168420

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

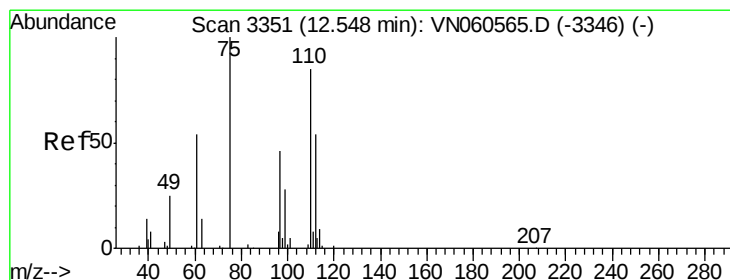
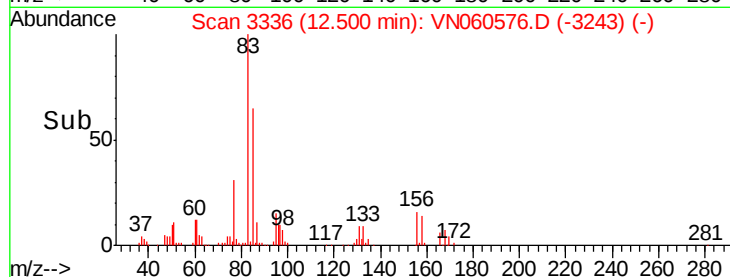
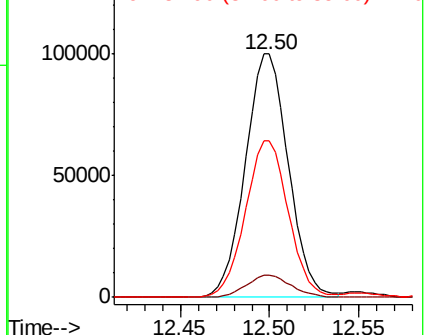
85 63.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060576.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060576.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060576.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 70.410 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060576.D

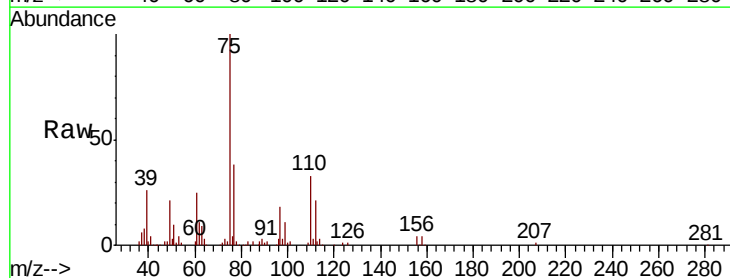
Acq: 18 Mar 2020 00:06

Tgt Ion: 75 Resp: 231632

Ion Ratio Lower Upper

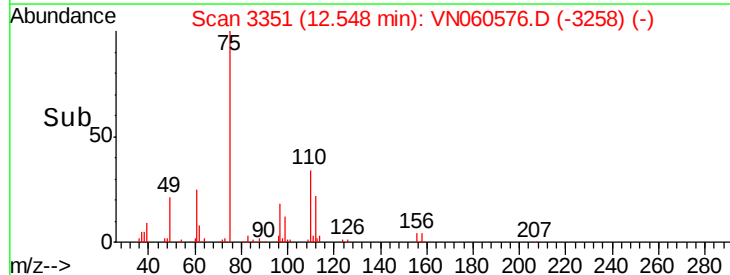
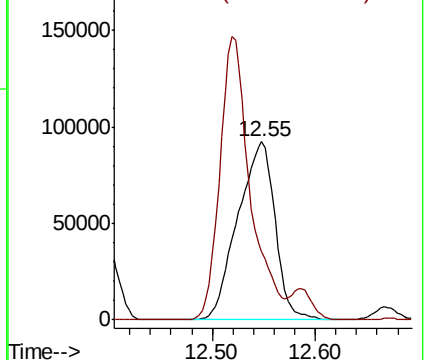
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060576.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060576.D (-3258) (-)





#77

Bromobenzene

Concen: 49.217 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

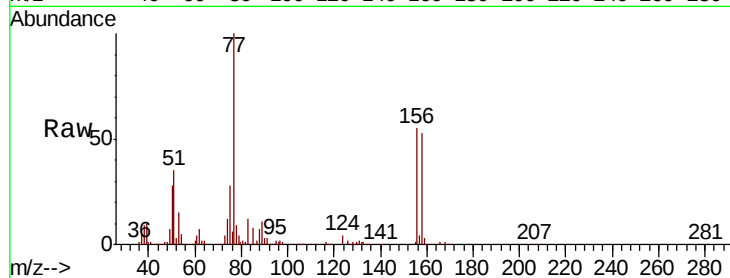
Tot Ion:156 Resp: 135692

Ion Ratio Lower Upper

156 100

77 220.9 112.3 337.0

158 97.4 48.6 145.8



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

200000

150000

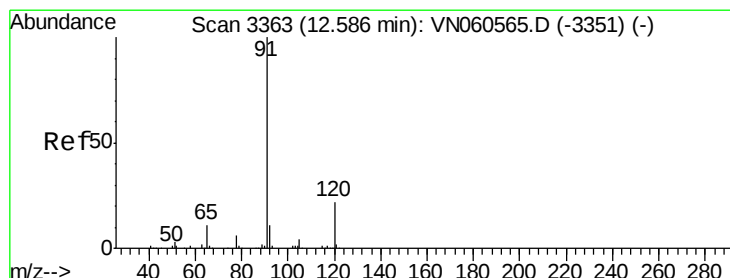
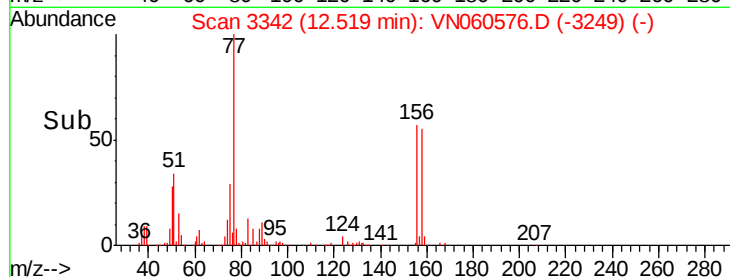
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 49.624 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060576.D

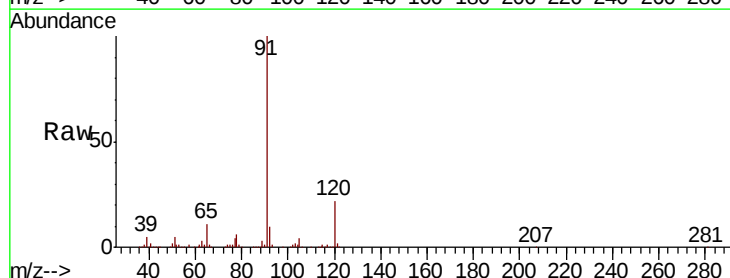
Acq: 18 Mar 2020 00:06

Tgt Ion: 91 Resp: 670786

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

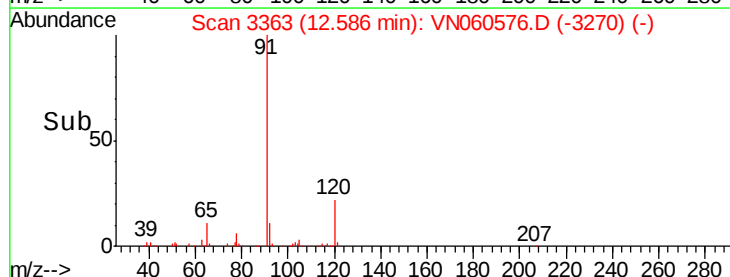
200000

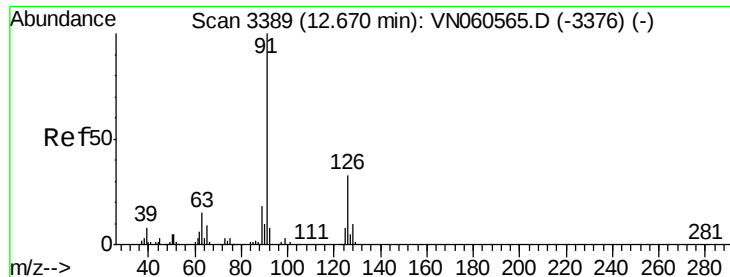
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 48.558 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

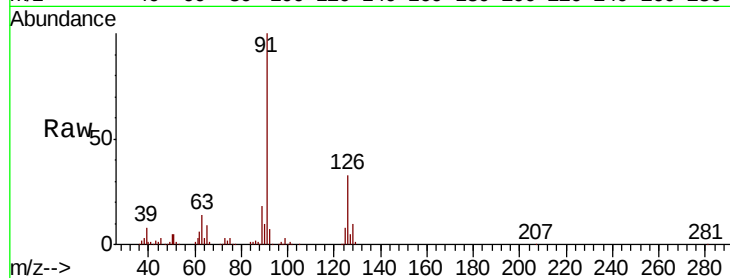
VSTDCCC050EC

Tot Ion: 91 Resp: 392188

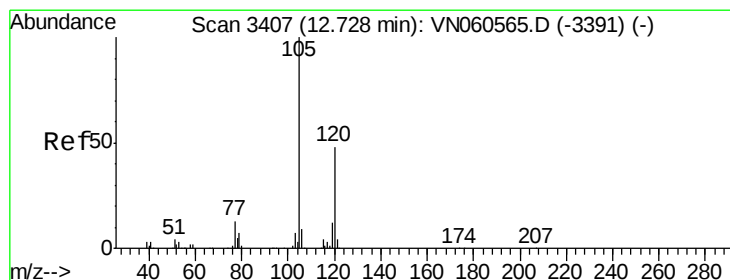
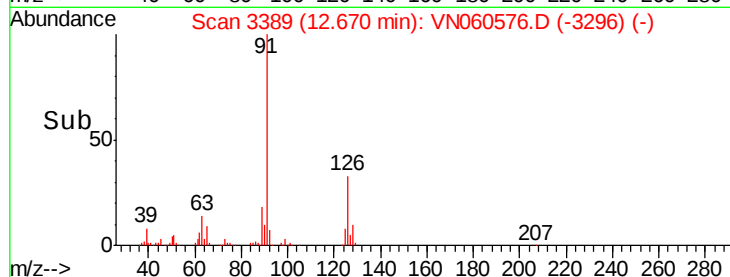
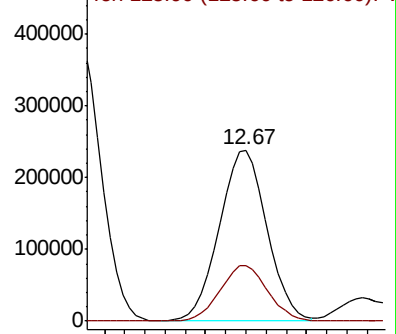
Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.490 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060576.D

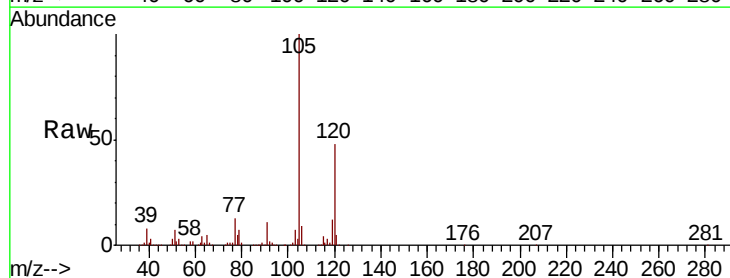
Acq: 18 Mar 2020 00:06

Tgt Ion: 105 Resp: 480530

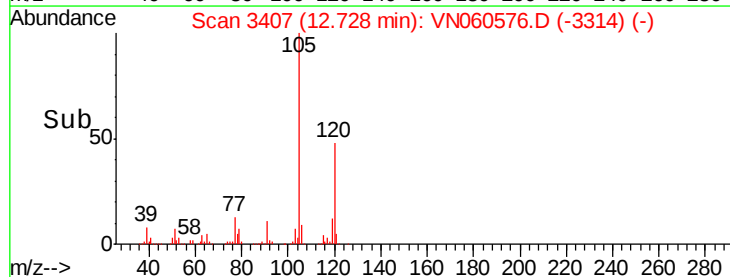
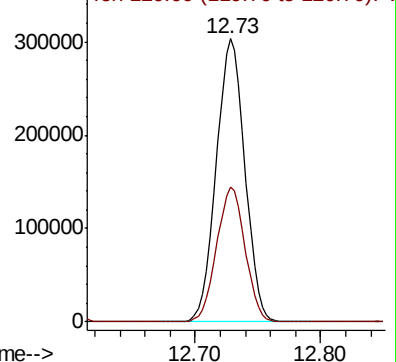
Ion Ratio Lower Upper

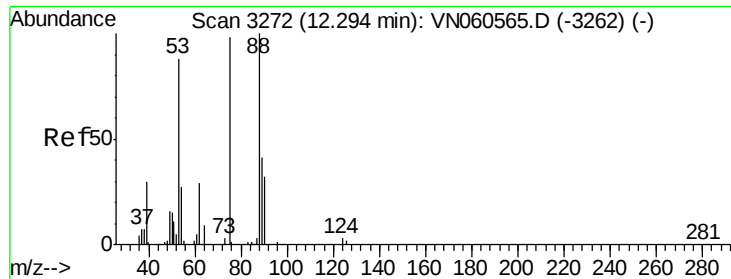
105 100

120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

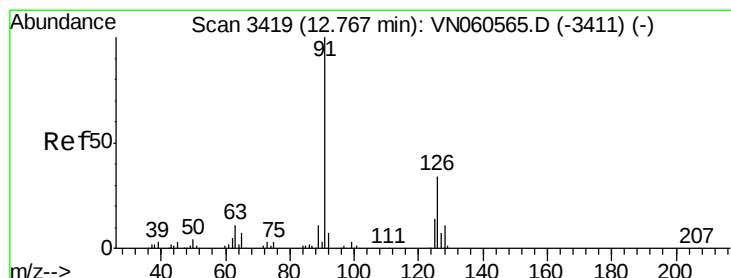
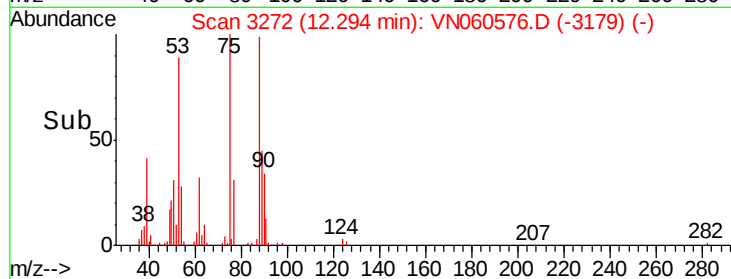
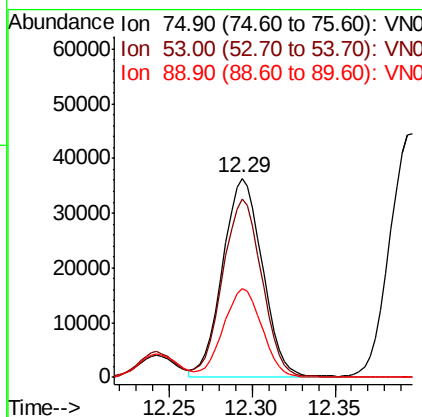
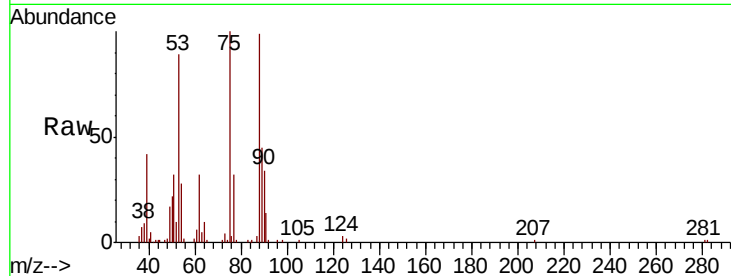




#81
trans-1,4-Dichloro-2-butene
Concen: 47.501 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

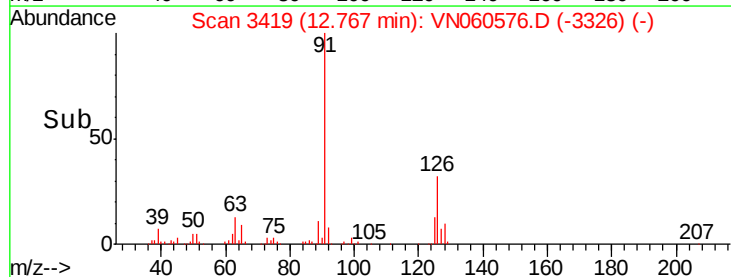
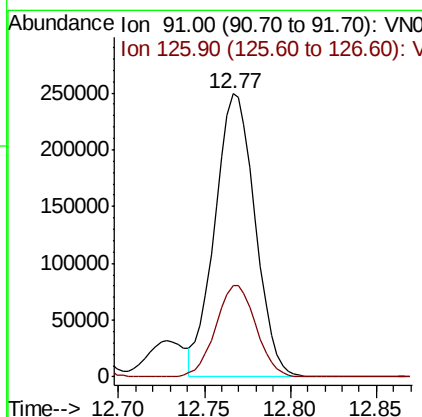
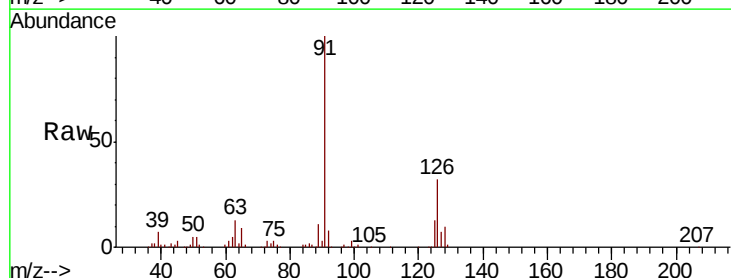
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

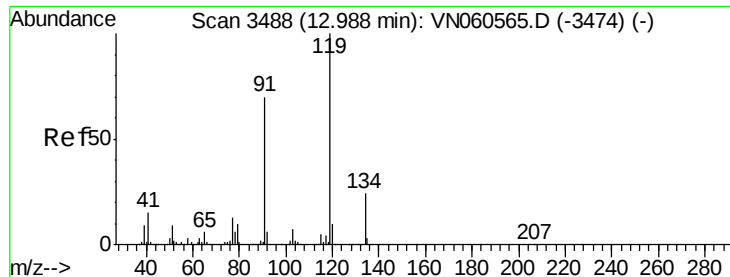
Tot Ion: 75 Resp: 60845
Ion Ratio Lower Upper
75 100
53 88.7 73.0 109.4
89 43.1 34.8 52.2



#82
4-Chlorotoluene
Concen: 49.297 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 91 Resp: 405517
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.5

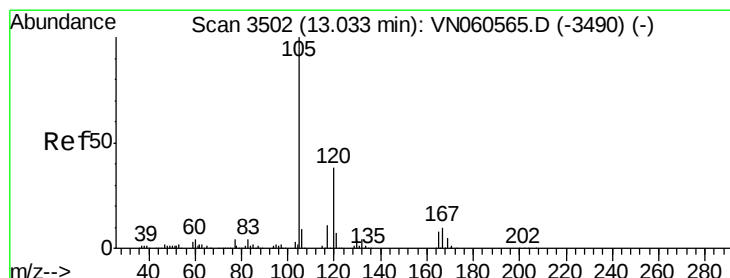
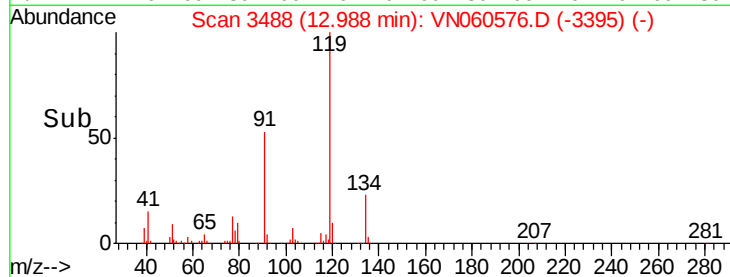
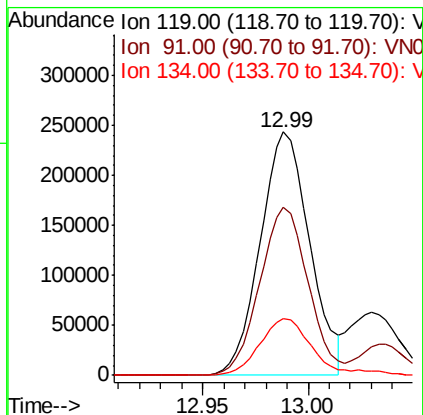
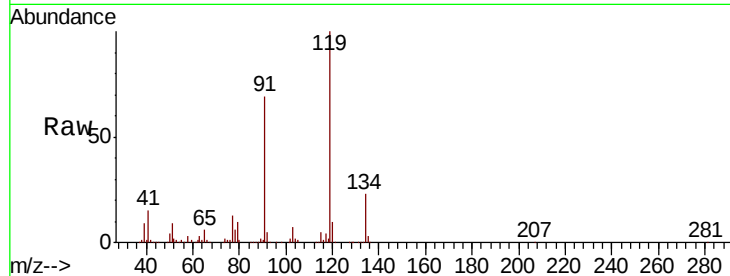




#83
 tert-Butylbenzene
 Concen: 49.478 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

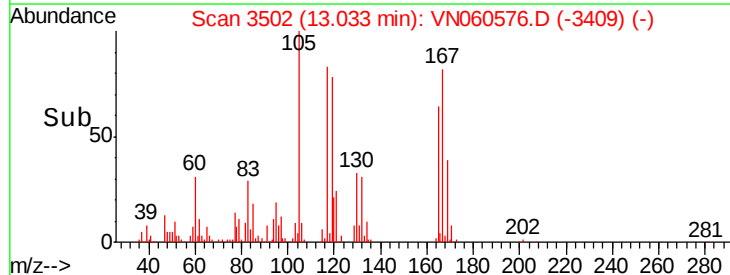
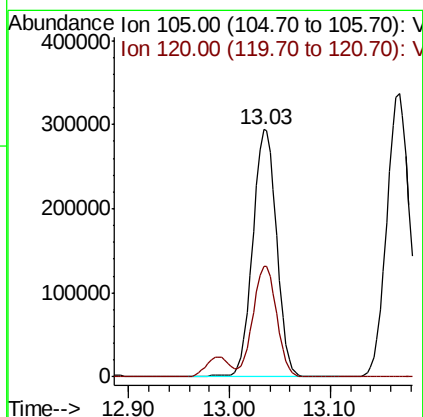
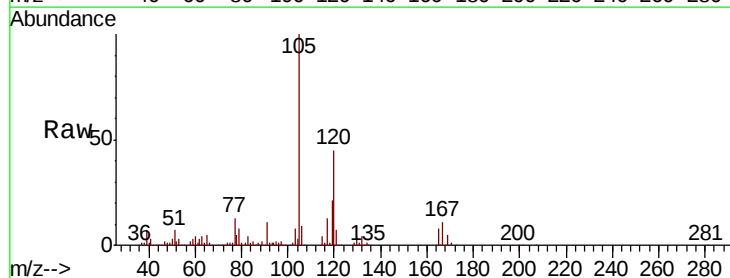
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

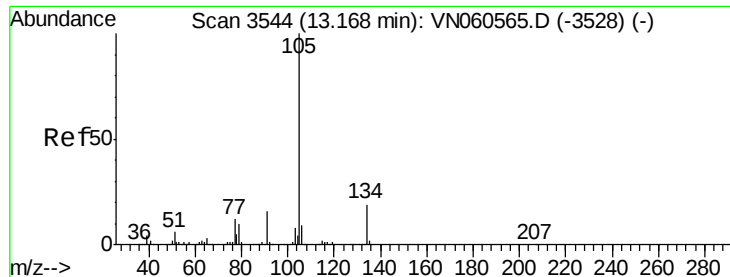
Tot Ion:119 Resp: 398243
 Ion Ratio Lower Upper
 119 100
 91 67.9 34.0 101.8
 134 25.1 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.812 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion:105 Resp: 478486
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 49.991 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

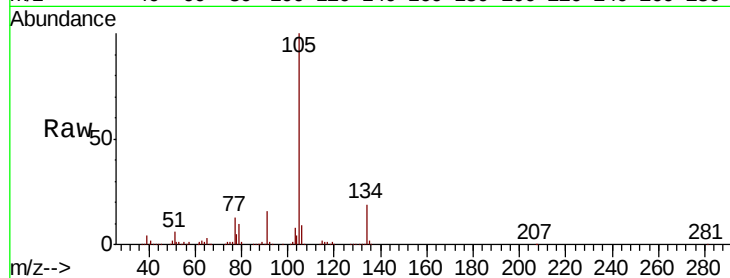
VSTDCCC050EC

Tot Ion:105 Resp: 541080

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

200000

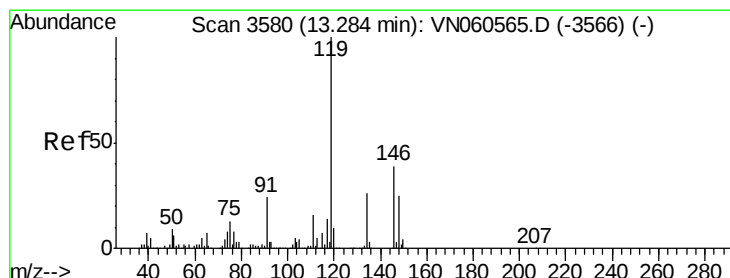
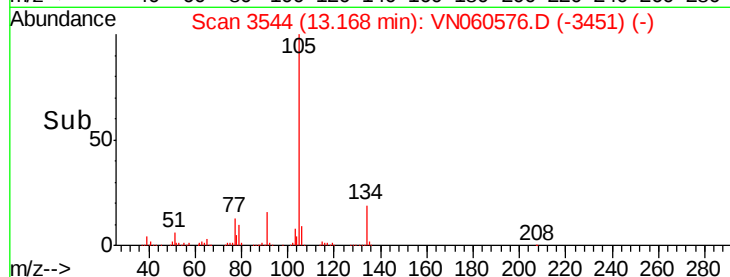
100000

0

Time-->

13.10

13.20



#86

p-Isopropyltoluene

Concen: 49.453 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

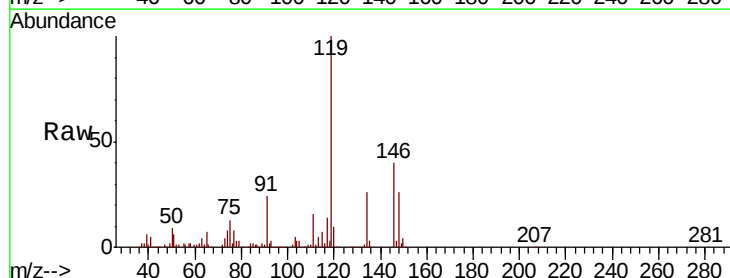
Tgt Ion:119 Resp: 481312

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 23.9 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

13.28

400000

300000

200000

100000

0

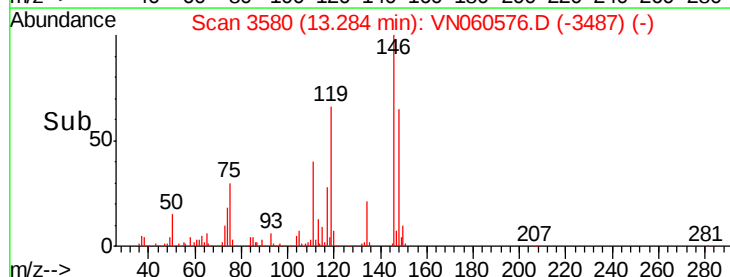
Time-->

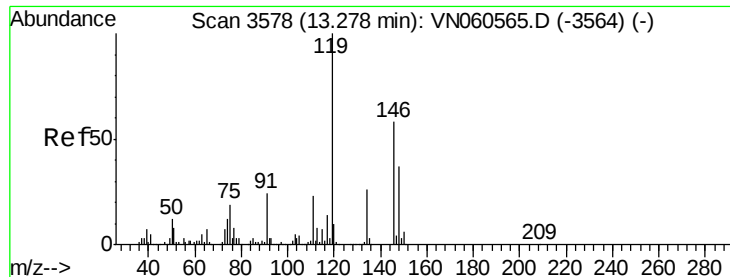
13.20

13.25

13.30

13.35





#87

1,3-Dichlorobenzene

Concen: 49.335 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

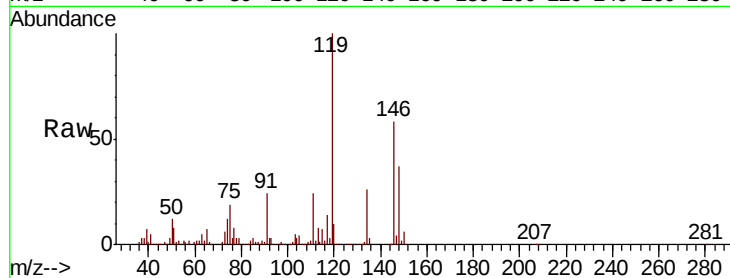
Tot Ion:146 Resp: 239895

Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.8

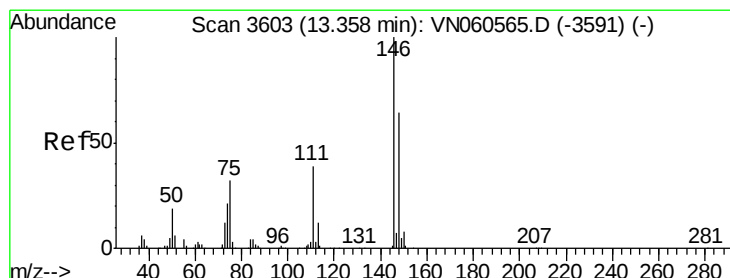
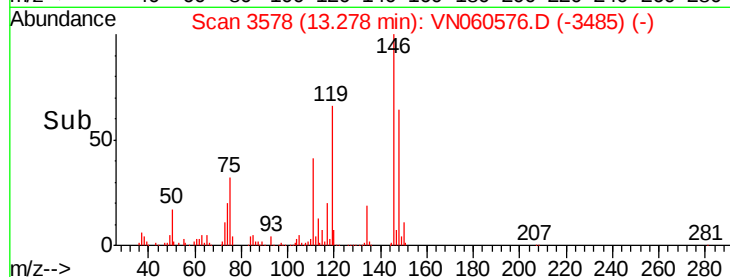
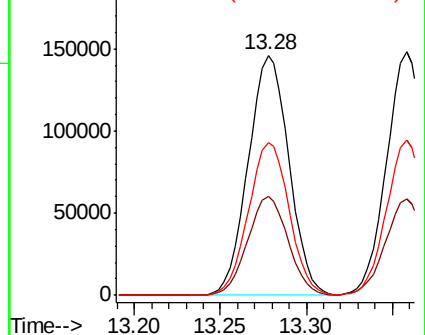
148 63.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.842 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

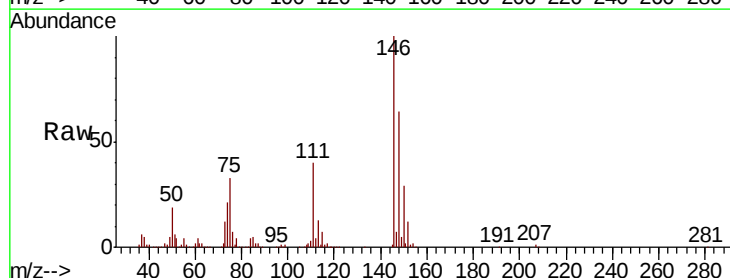
Tgt Ion:146 Resp: 238613

Ion Ratio Lower Upper

146 100

111 40.2 19.6 58.7

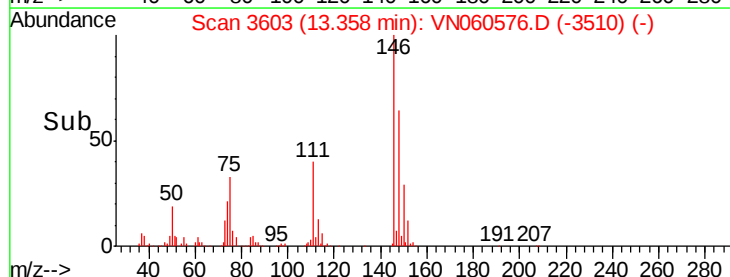
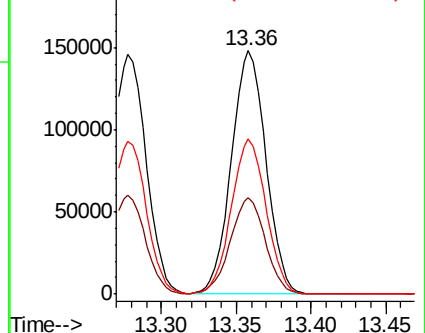
148 64.3 32.1 96.3

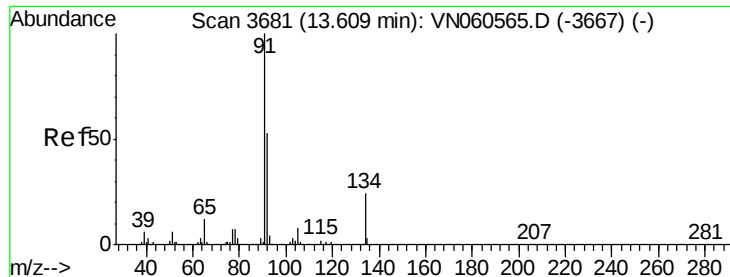


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

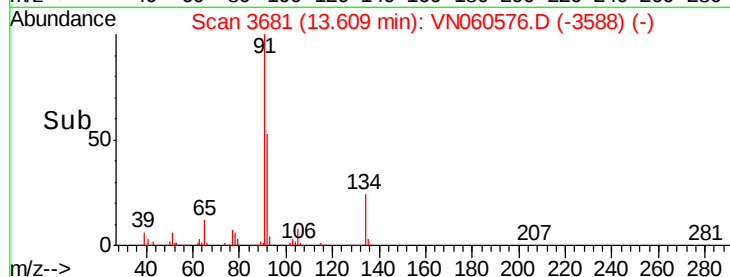
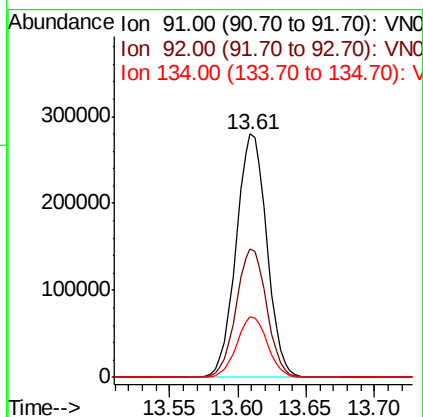
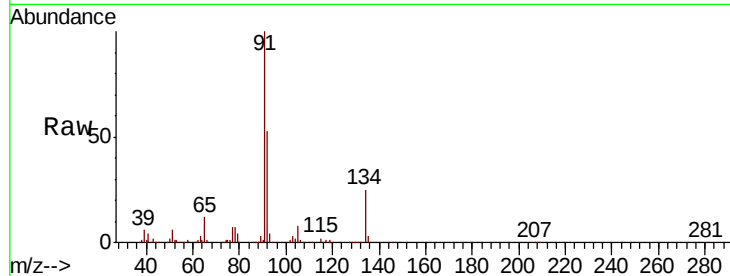




#89
n-Butylbenzene
Concen: 49.673 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

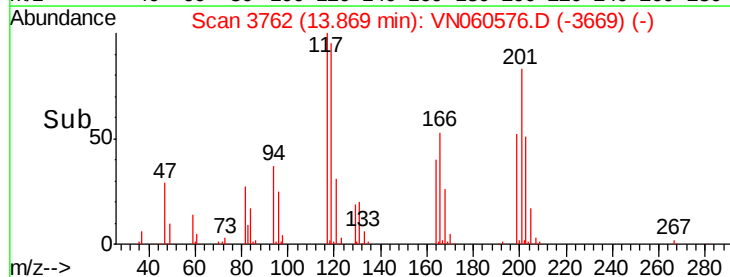
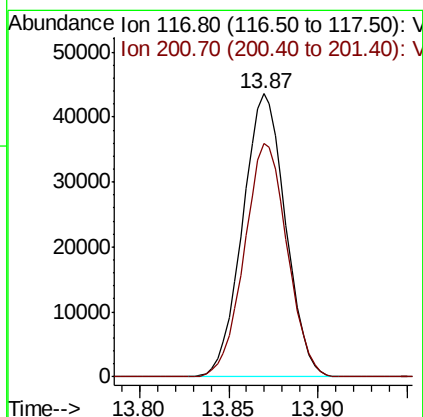
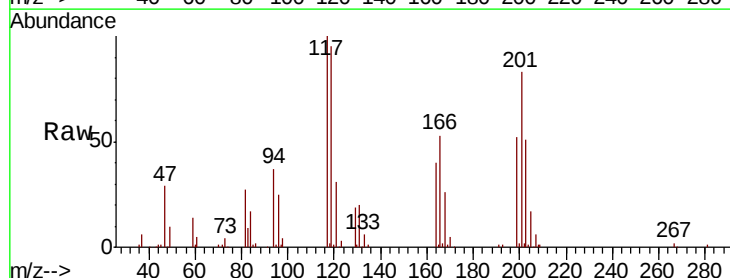
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 436492
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.5
134 24.8 12.3 36.9



#90
Hexachloroethane
Concen: 51.570 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 117 Resp: 72958
Ion Ratio Lower Upper
117 100
201 82.7 40.8 122.5





#91

1,2-Dichlorobenzene

Concen: 49.413 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

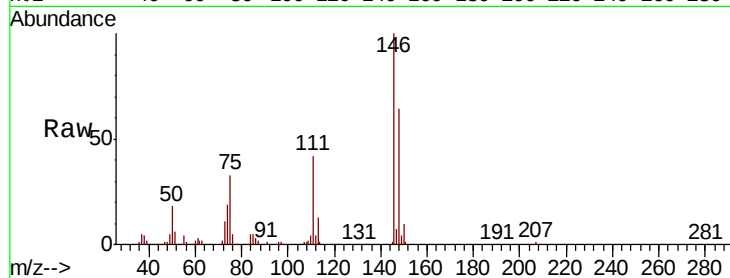
Tot Ion:146 Resp: 229749

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

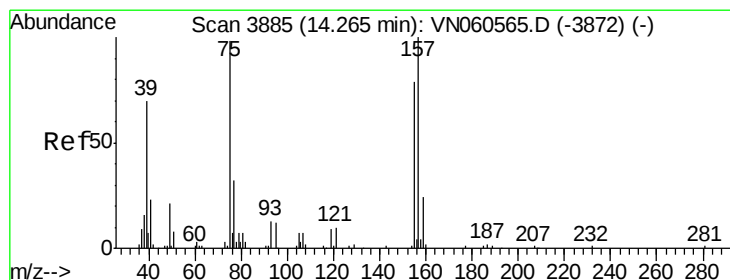
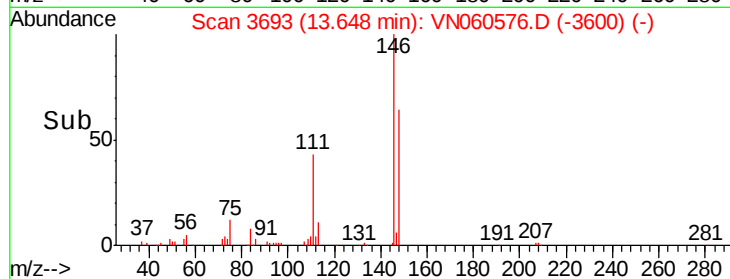
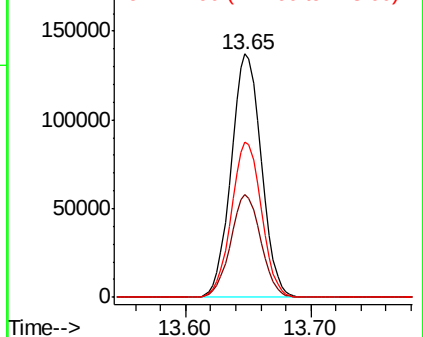
148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.534 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

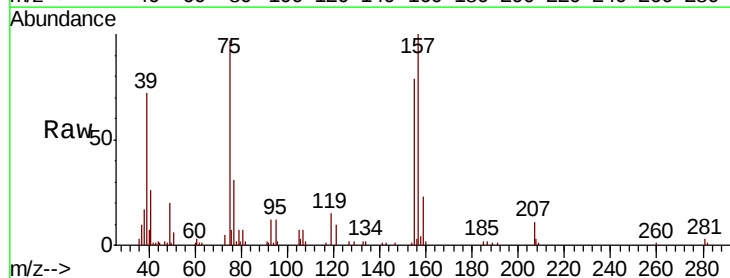
Tgt Ion: 75 Resp: 34458

Ion Ratio Lower Upper

75 100

155 80.2 40.7 122.1

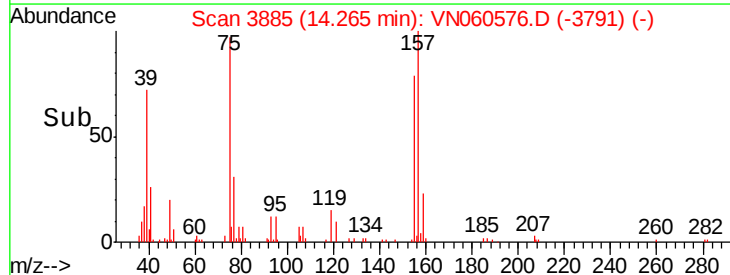
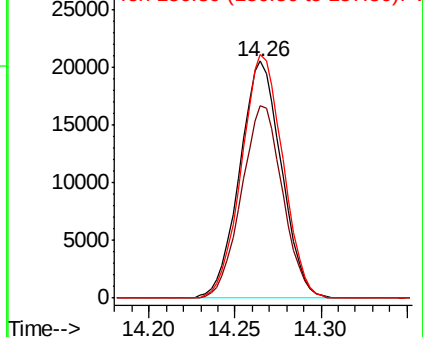
157 101.8 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

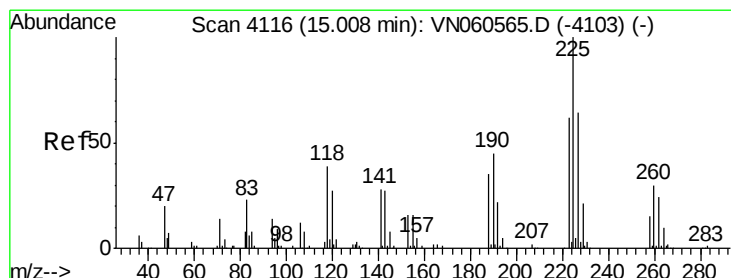
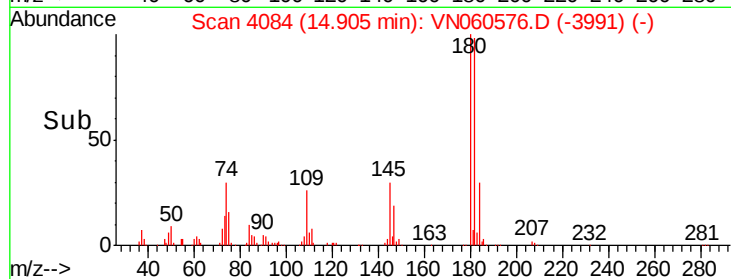
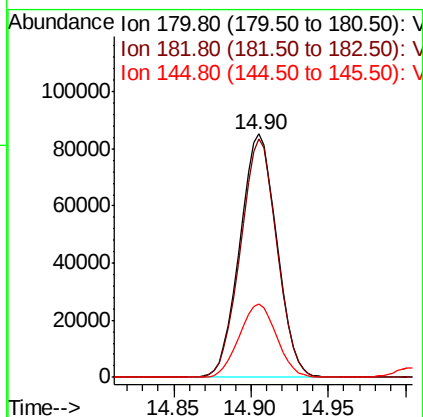
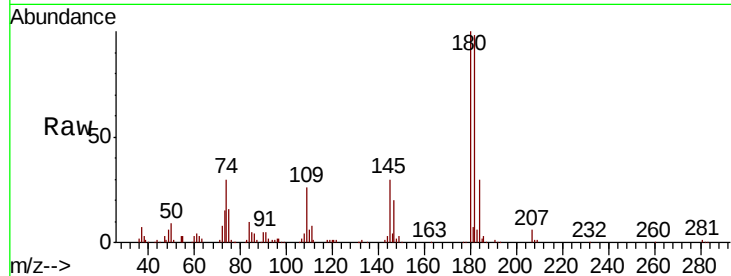




#93
 1,2,4-Trichlorobenzene
 Concen: 49.600 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

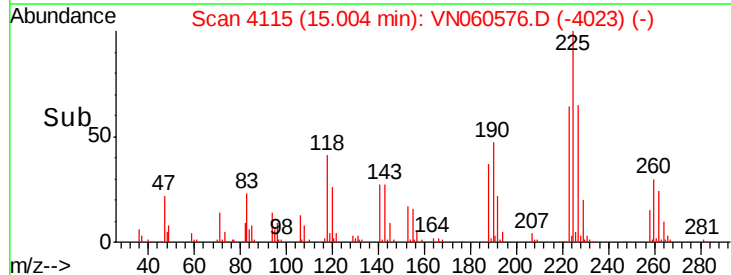
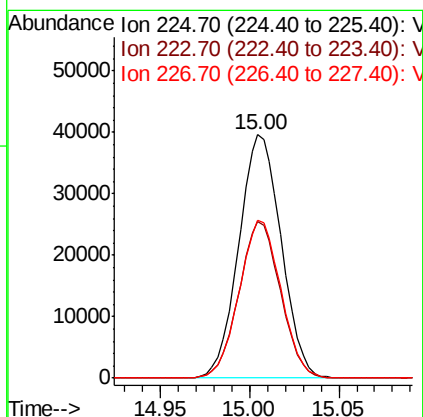
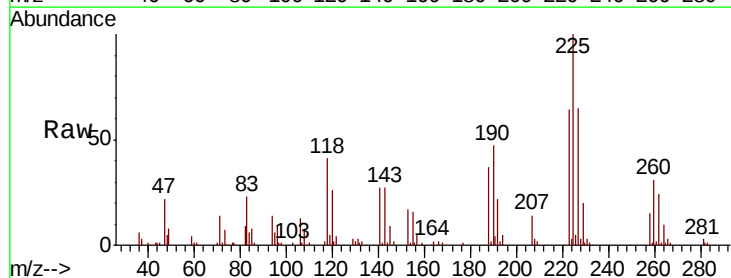
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 141620
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.9 143.8
 145 30.3 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 47.011 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion:225 Resp: 65802
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 95.0
 227 63.8 32.3 96.8

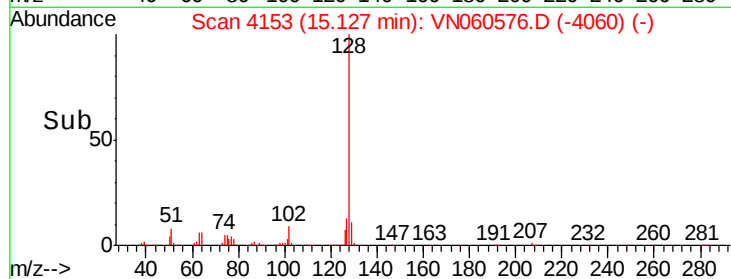
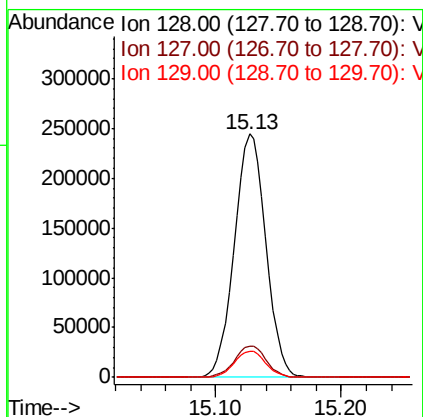
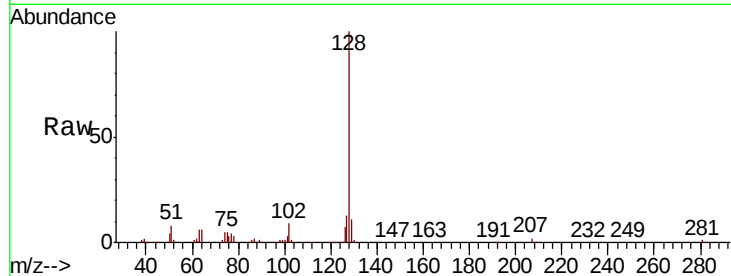




#95
Naphthalene
Concen: 49.612 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 426066
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.717 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:180 Resp: 137010
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.6
145 32.2 16.3 48.8

