

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059985.D
 Acq On : 4 Feb 2020 10:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 05 01:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112960	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.56	113	93028	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.08	98	347877	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	133716	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91039	40.099	ug/l	99
3) Chloromethane	2.04	50	89397	40.654	ug/l	99
4) Vinyl Chloride	2.17	62	117646	46.759	ug/l	98
5) Bromomethane	2.53	94	69403	45.200	ug/l	100
6) Chloroethane	2.68	64	55718	46.809	ug/l	98
7) Trichlorofluoromethane	3.00	101	140632	46.543	ug/l	98
8) Diethyl Ether	3.38	74	52924	49.909	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82167	48.859	ug/l	93
10) Methyl Iodide	3.93	142	116495	42.856	ug/l	96
11) Tert butyl alcohol	4.73	59	76127	212.005	ug/l	99
12) 1,1-Dichloroethene	3.71	96	78875	44.885	ug/l	89
13) Acrolein	3.58	56	61706	242.760	ug/l	96
14) Allyl chloride	4.29	41	114359	48.282	ug/l #	85
15) Acrylonitrile	4.94	53	202695	247.463	ug/l	99
16) Acetone	3.78	43	229286	317.884	ug/l	95
17) Carbon Disulfide	4.03	76	190240	38.004	ug/l	100
18) Methyl Acetate	4.29	43	123602	49.610	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	292216	51.003	ug/l	96
20) Methylene Chloride	4.52	84	92192	47.714	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	85229	45.627	ug/l	87
22) Diisopropyl ether	5.91	45	275598	51.344	ug/l	95
23) Vinyl Acetate	5.86	43	1053749	253.558	ug/l	96
24) 1,1-Dichloroethane	5.81	63	160307	48.878	ug/l	98
25) 2-Butanone	6.80	43	297387	246.200	ug/l	93
26) 2,2-Dichloropropane	6.79	77	154048	48.856	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	105677	49.187	ug/l	89
28) Bromochloromethane	7.17	49	66831	50.982	ug/l #	79
29) Tetrahydrofuran	7.18	42	171318	229.232	ug/l	89
30) Chloroform	7.35	83	172985	50.904	ug/l	99
31) Cyclohexane	7.63	56	132043	41.840	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	154556	49.190	ug/l	97
36) 1,1-Dichloropropene	7.77	75	123227	47.535	ug/l	96
37) Ethyl Acetate	6.90	43	112678	46.343	ug/l	97
38) Carbon Tetrachloride	7.75	117	135559	48.072	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	141518	44.274	ug/l	94
40) Benzene	8.02	78	366154	47.360	ug/l	100
41) Methacrylonitrile	7.18	41	162761	135.906	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	136804	52.189	ug/l	97
43) Isopropyl Acetate	8.14	43	201677	48.224	ug/l #	95
44) Trichloroethene	8.82	130	104160	49.352	ug/l	96
45) 1,2-Dichloropropane	9.10	63	96974	50.689	ug/l	100
46) Dibromomethane	9.19	93	67780	50.225	ug/l	92
47) Bromodichloromethane	9.39	83	140919	51.818	ug/l	98
48) Methyl methacrylate	9.18	41	91139	48.721	ug/l	93
49) 1,4-Dioxane	9.18	88	32363	945.053	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	584793	241.896	ug/l	96
52) Toluene	10.14	92	239451	49.033	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	161662	53.238	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	165884	51.919	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	99326	51.354	ug/l	97
56) Ethyl methacrylate	10.42	69	144548	48.910	ug/l	94
57) 1,3-Dichloropropane	10.70	76	160235	52.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	260061	292.150	ug/l	93
59) 2-Hexanone	10.74	43	454051	254.940	ug/l	96
60) Dibromochloromethane	10.89	129	115715	52.538	ug/l	100
61) 1,2-Dibromoethane	10.99	107	103584	51.097	ug/l	99
64) Tetrachloroethene	10.62	164	102140	45.303	ug/l	95
65) Chlorobenzene	11.43	112	268531	49.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106369	50.628	ug/l	99
67) Ethyl Benzene	11.50	91	477353	48.361	ug/l	98
68) m/p-Xylenes	11.62	106	358450	96.137	ug/l	96
69) o-Xylene	11.94	106	176373	48.318	ug/l	96
70) Styrene	11.96	104	296240	48.499	ug/l	98
71) Bromoform	12.12	173	87427	51.949	ug/l #	98
73) Isopropylbenzene	12.25	105	478983	46.682	ug/l	99
74) N-amyl acetate	12.07	43	182473	45.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	140488	47.231	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190088	80.736	ug/l #	100
77) Bromobenzene	12.52	156	123544	47.547	ug/l	84
78) n-propylbenzene	12.59	91	547468	47.538	ug/l	97
79) 2-Chlorotoluene	12.67	91	323623	47.237	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	401530	46.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53377	48.686	ug/l	96
82) 4-Chlorotoluene	12.77	91	338093	49.200	ug/l	97
83) tert-Butylbenzene	12.99	119	347889	46.615	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	404374	47.368	ug/l	99
85) sec-Butylbenzene	13.17	105	460571	46.972	ug/l	99
86) p-Isopropyltoluene	13.29	119	425491	46.897	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	221548	49.086	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	224574	49.876	ug/l	97
89) n-Butylbenzene	13.61	91	380968	49.247	ug/l	98
90) Hexachloroethane	13.87	117	79908	47.073	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	217091	48.653	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29364	45.818	ug/l	85

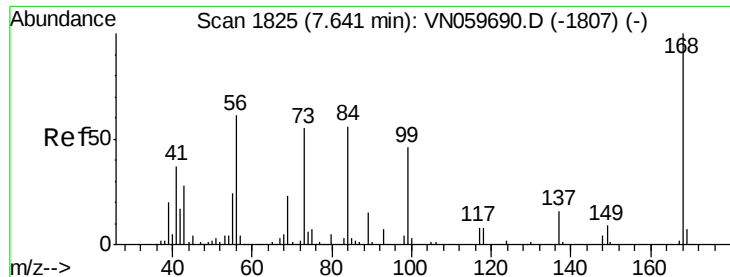
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138618	51.700	ug/l	99
94) Hexachlorobutadiene	15.01	225	70008	47.383	ug/l	99
95) Naphthalene	15.13	128	367090	48.135	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132010	50.583	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

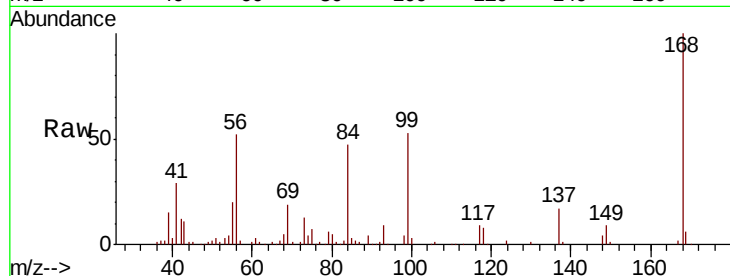
VSTDCCC050

Tot Ion:168 Resp: 192072

Ion Ratio Lower Upper

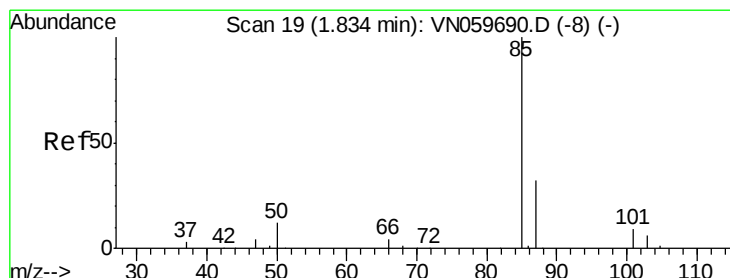
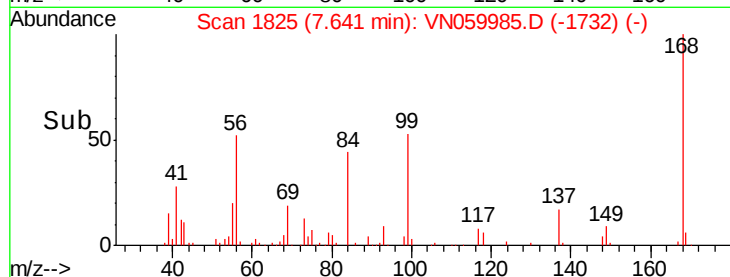
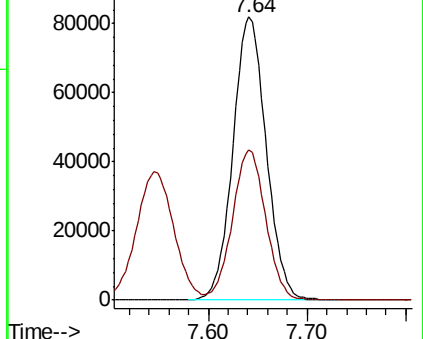
168 100

99 53.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.099 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059985.D

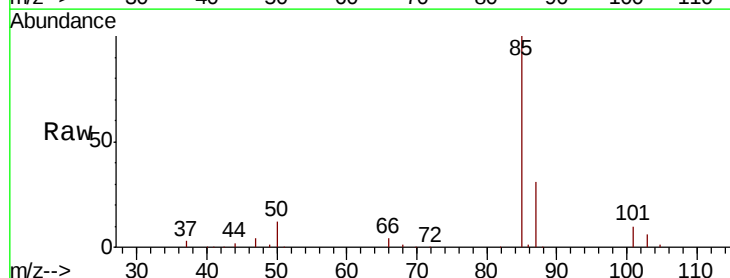
Acq: 4 Feb 2020 10:40

Tgt Ion: 85 Resp: 91039

Ion Ratio Lower Upper

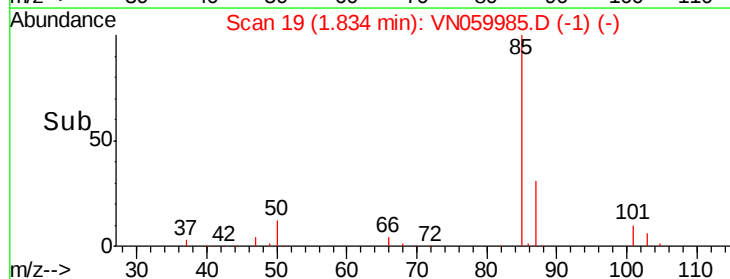
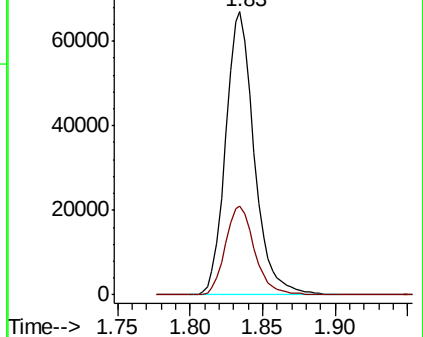
85 100

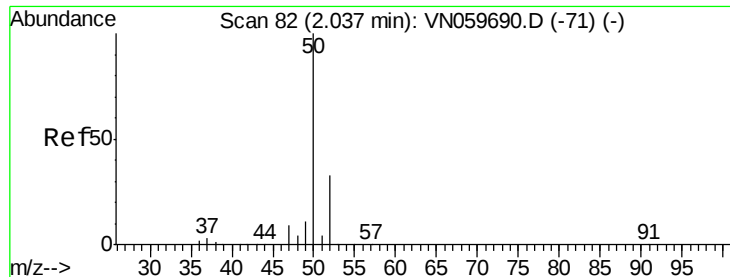
87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.654 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

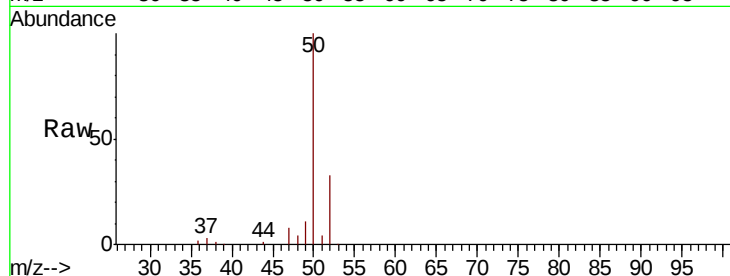
VSTDCCC050

Tot Ion: 50 Resp: 89397

Ion Ratio Lower Upper

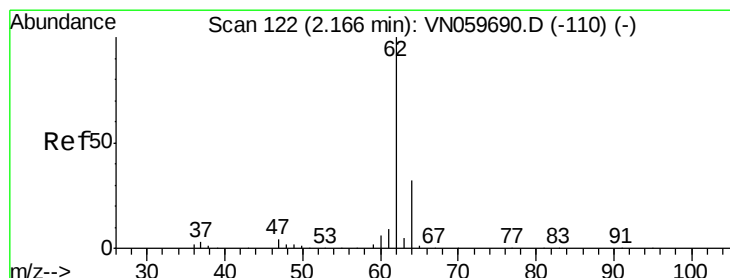
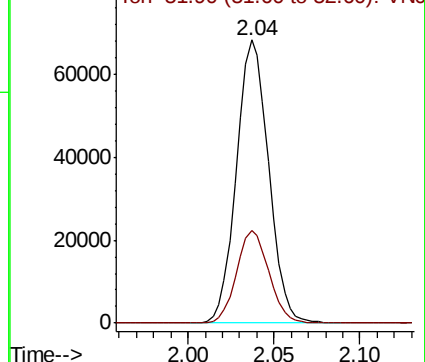
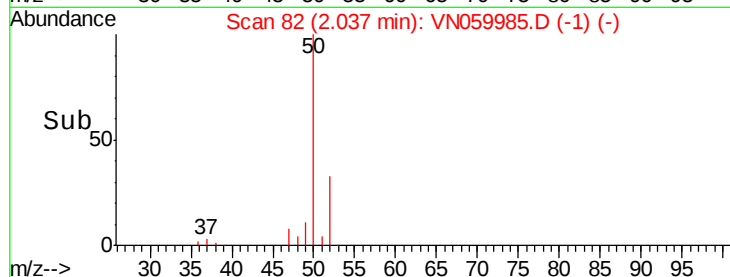
50 100

52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059985.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059985.D (-1) (-)



#4

Vinyl Chloride

Concen: 46.759 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059985.D

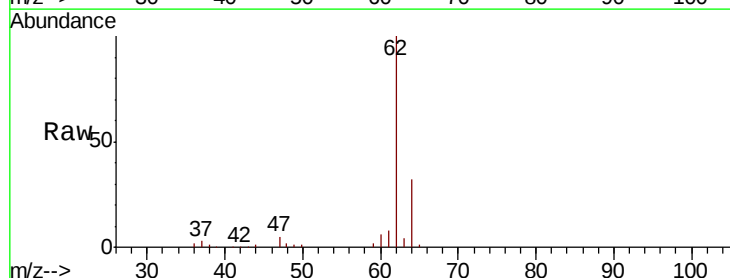
Acq: 4 Feb 2020 10:40

Tgt Ion: 62 Resp: 117646

Ion Ratio Lower Upper

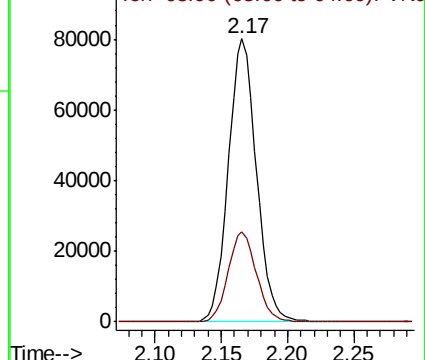
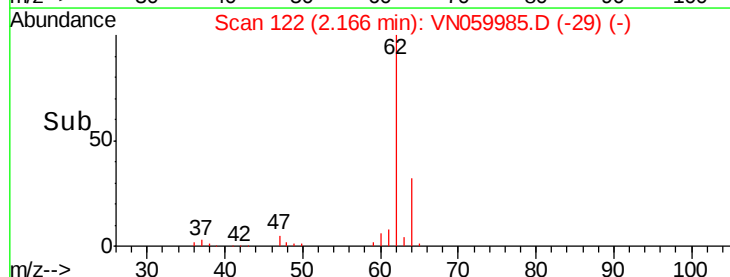
62 100

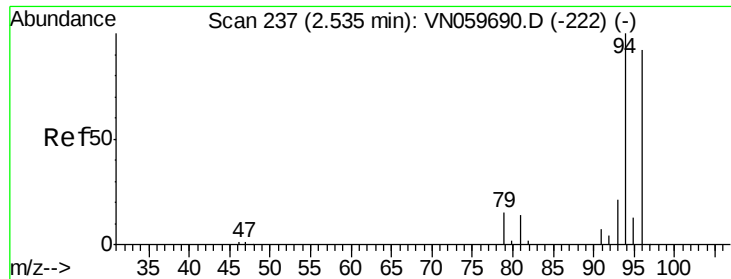
64 31.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059985.D (-29) (-)

Ion 63.90 (63.60 to 64.60): VN059985.D (-29) (-)

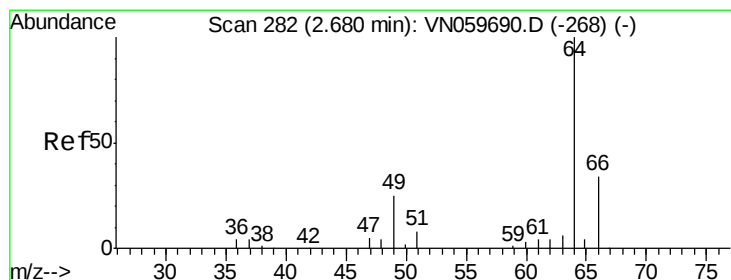
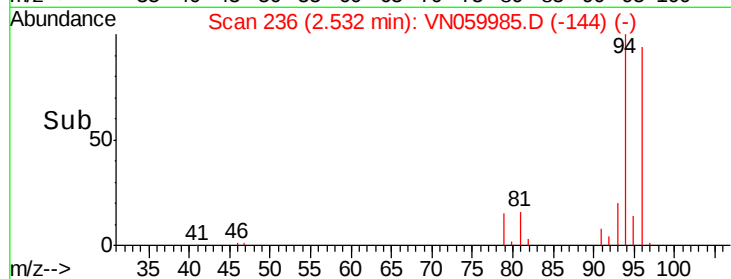
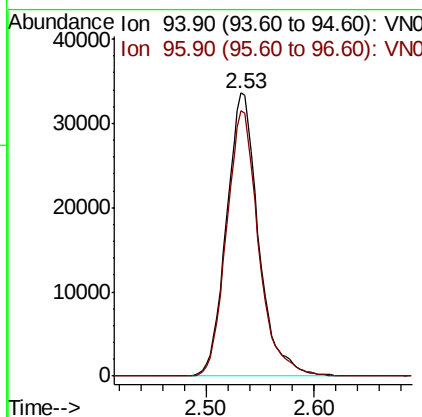
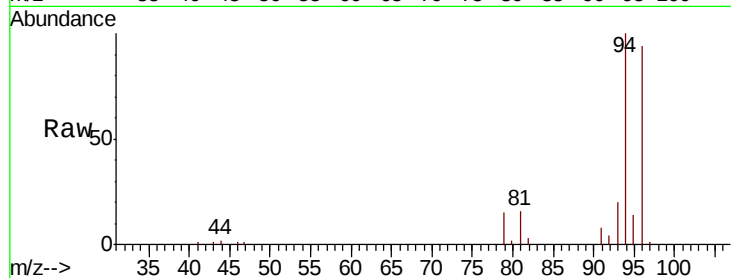




#5
Bromomethane
Concen: 45.200 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

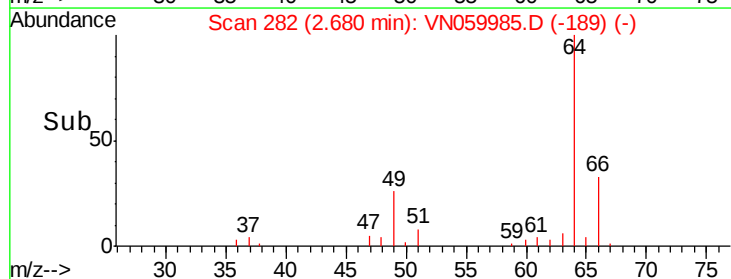
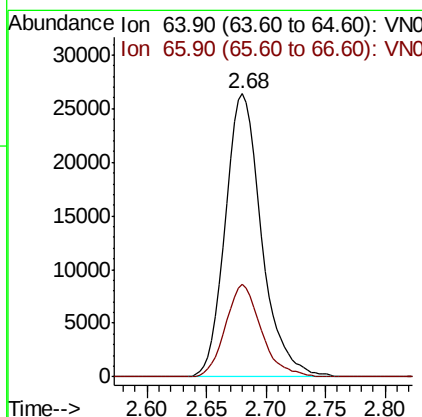
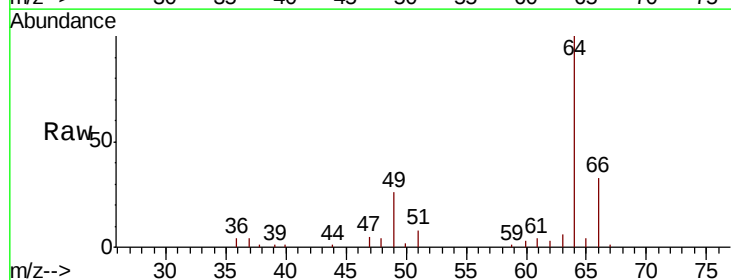
Instrument :
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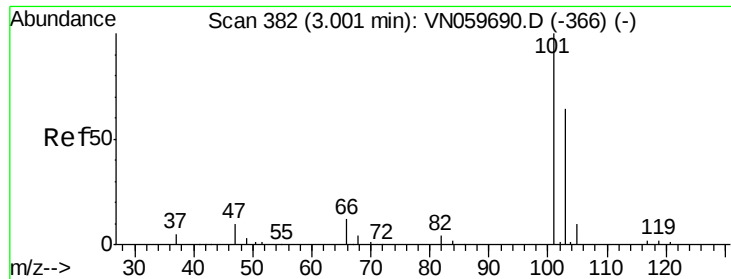
Tot Ion: 94 Resp: 69403
Ion Ratio Lower Upper
94 100
96 93.6 74.7 112.1



#6
Chloroethane
Concen: 46.809 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 64 Resp: 55718
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



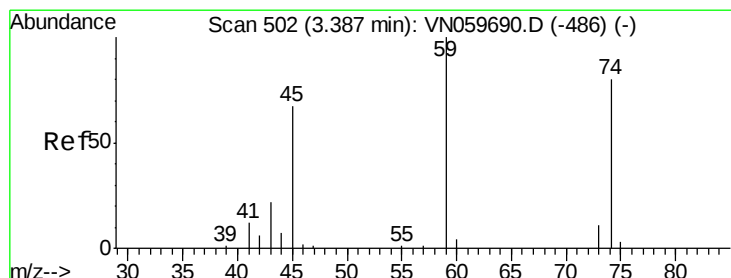
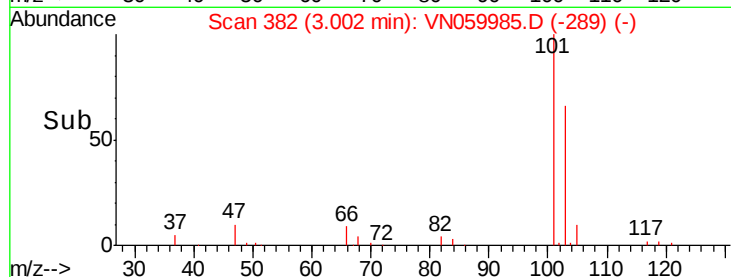
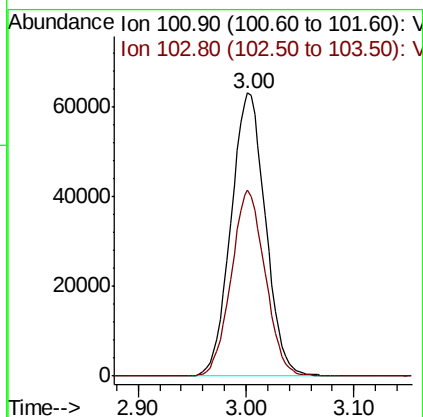
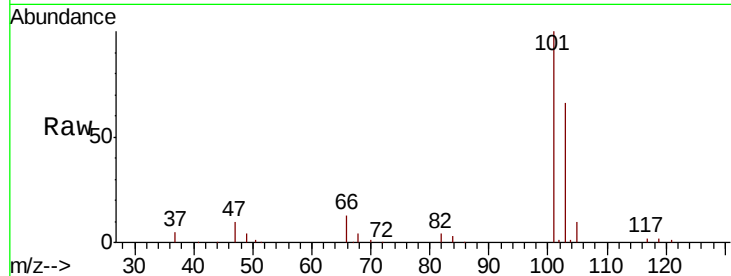


#7

Trichlorofluoromethane
 Concen: 46.543 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
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 ClientSampleId :
 VSTDCCC050

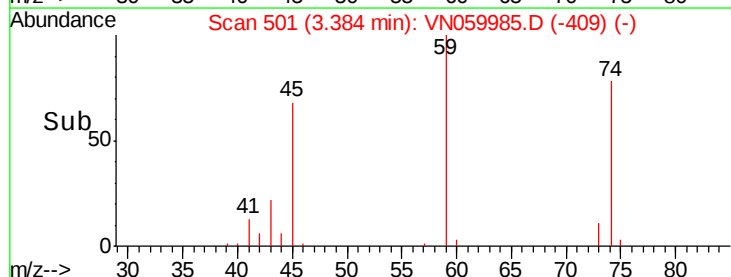
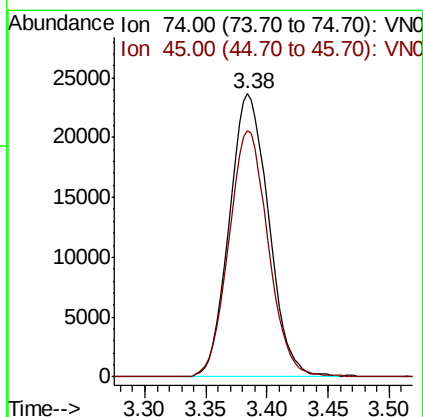
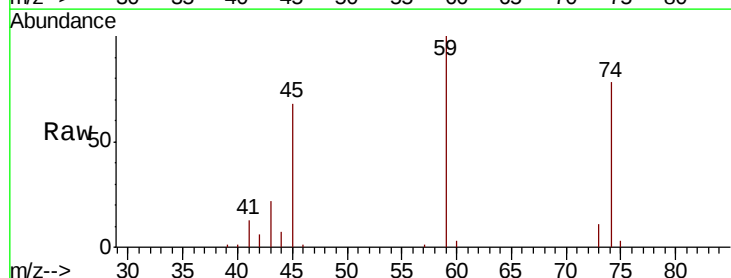
Tot Ion:101 Resp: 140632
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.0 76.6

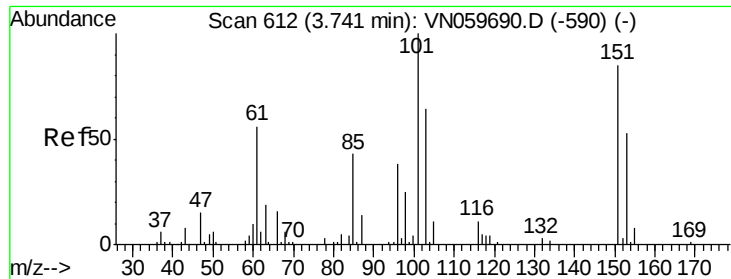


#8

Diethyl Ether
 Concen: 49.909 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 74 Resp: 52924
 Ion Ratio Lower Upper
 74 100
 45 87.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.859 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

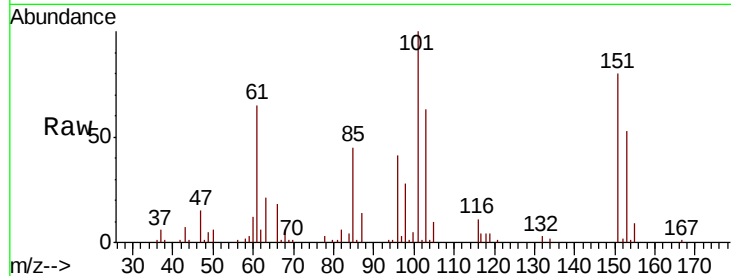
Tot Ion:101 Resp: 82167

Ion Ratio Lower Upper

101 100

85 44.0 36.6 54.8

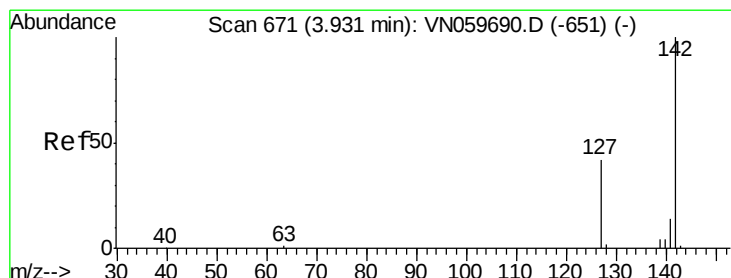
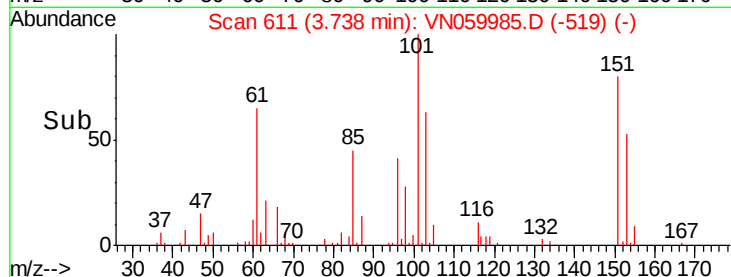
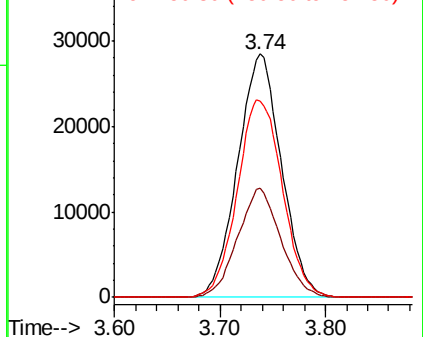
151 83.5 59.7 89.5



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: 42.856 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

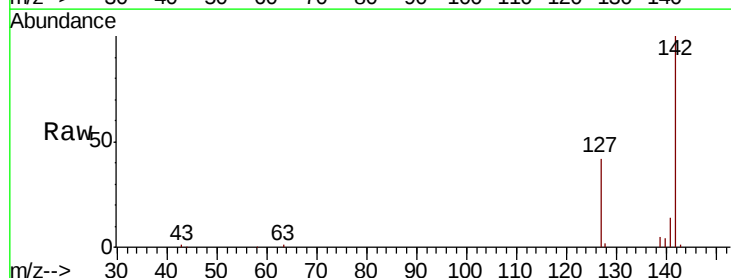
Tgt Ion:142 Resp: 116495

Ion Ratio Lower Upper

142 100

127 42.7 36.7 55.1

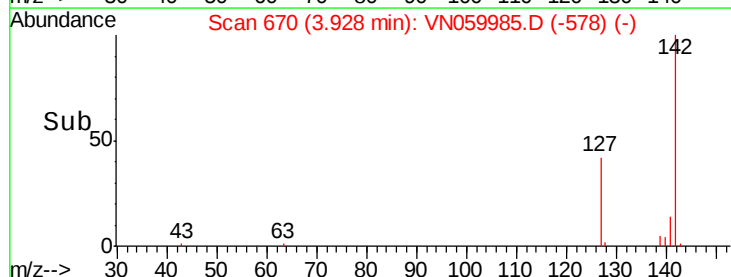
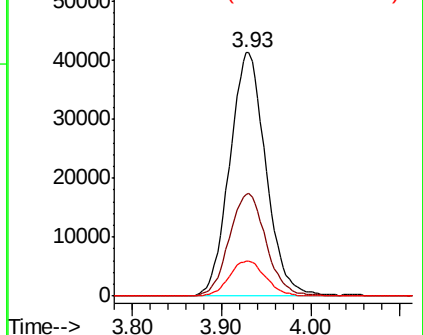
141 14.3 11.7 17.5

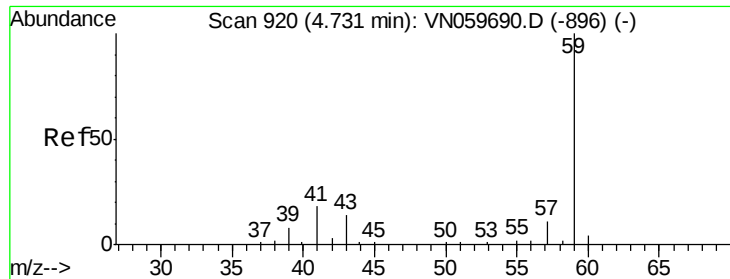


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

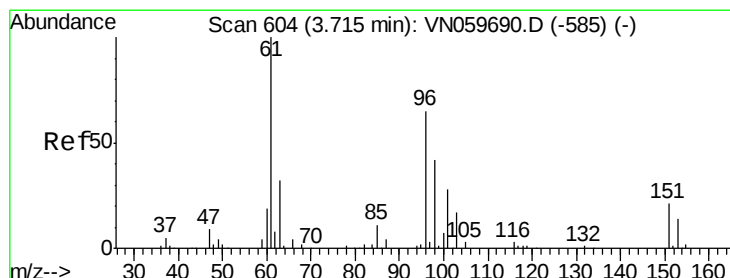
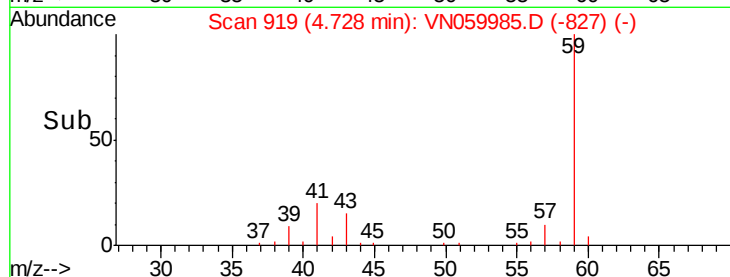
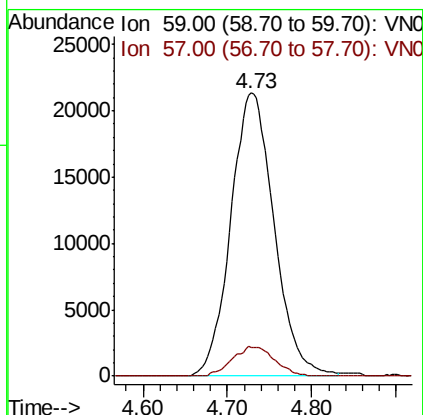
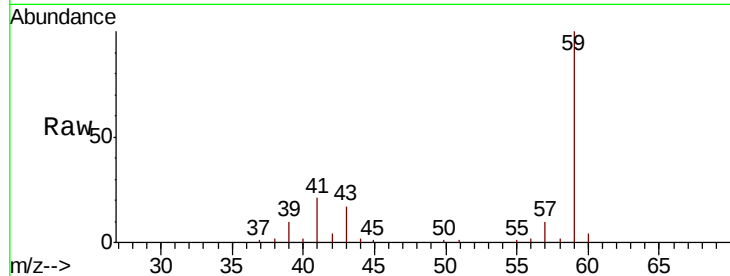




#11
Tert butyl alcohol
Concen: 212.005 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

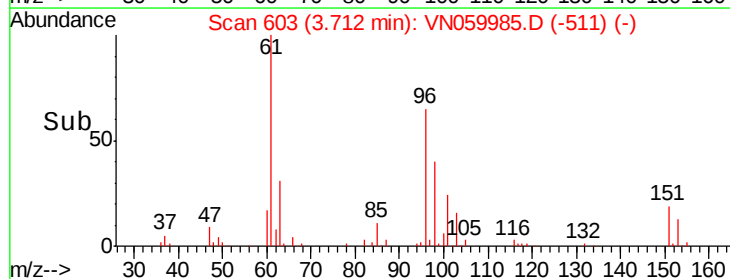
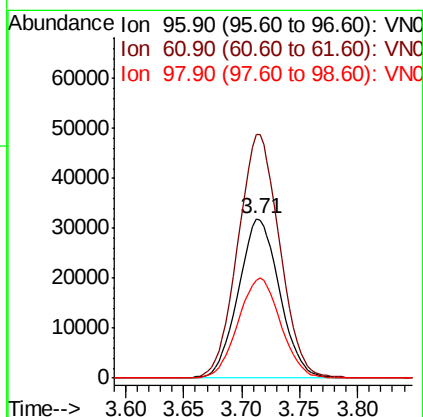
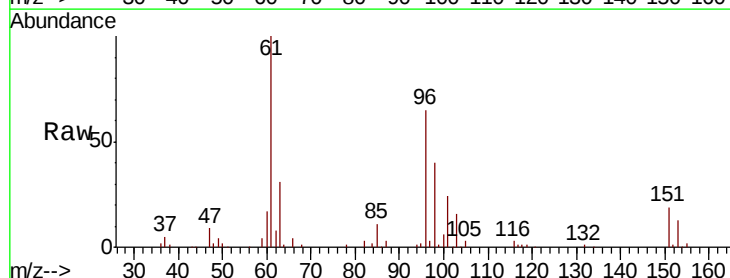
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

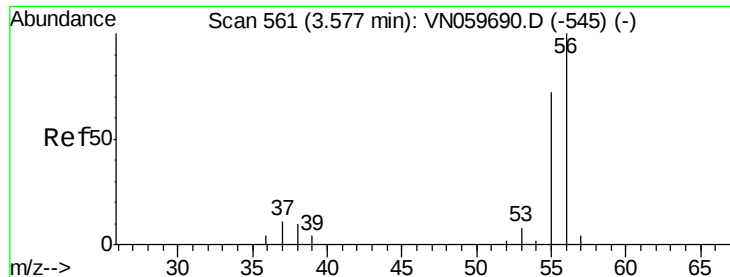
Tot Ion: 59 Resp: 76127
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8



#12
1,1-Dichloroethene
Concen: 44.885 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 96 Resp: 78875
Ion Ratio Lower Upper
96 100
61 152.9 137.5 206.3
98 61.5 50.2 75.4





#13

Acrolein

Concen: 242.760 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampled :

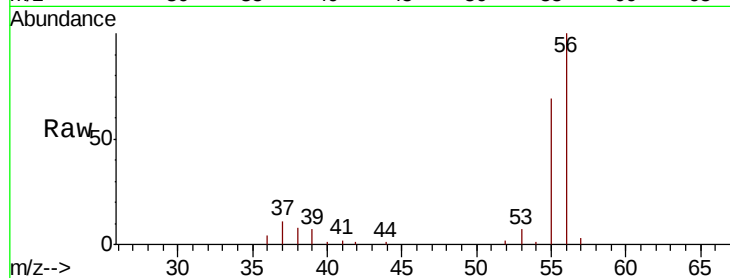
VSTDCCC050

Tot Ion: 56 Resp: 61706

Ion Ratio Lower Upper

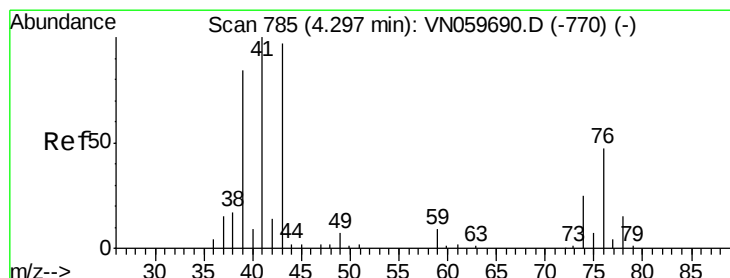
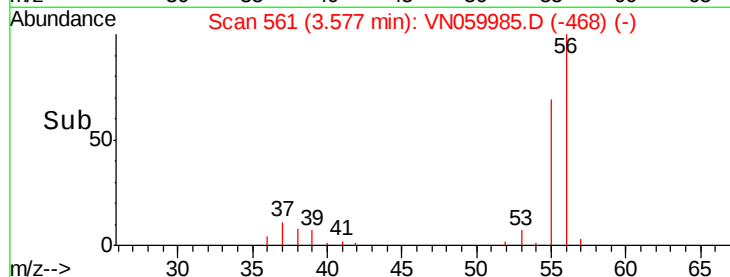
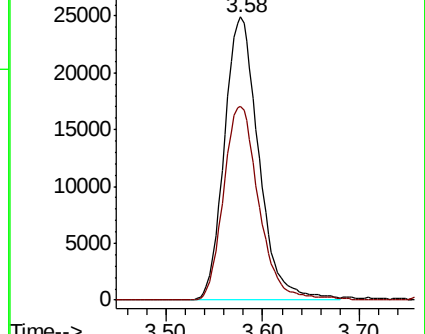
56 100

55 70.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.282 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

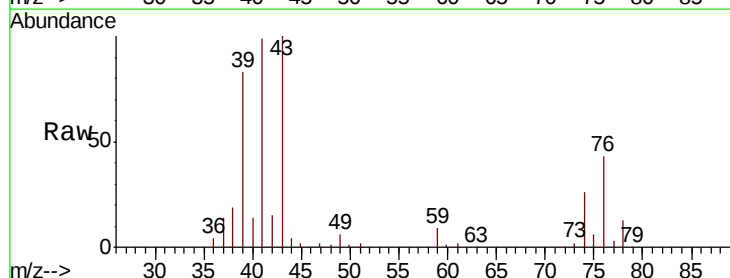
Tgt Ion: 41 Resp: 114359

Ion Ratio Lower Upper

41 100

39 83.5 57.8 86.8

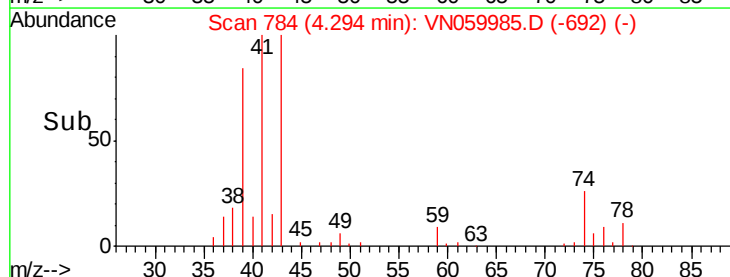
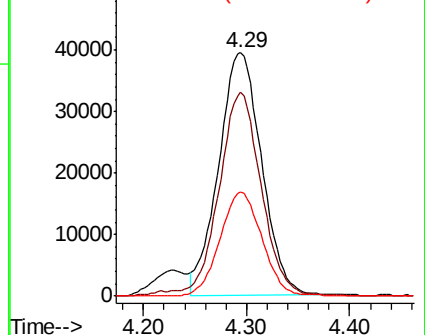
76 41.9 25.4 38.0#

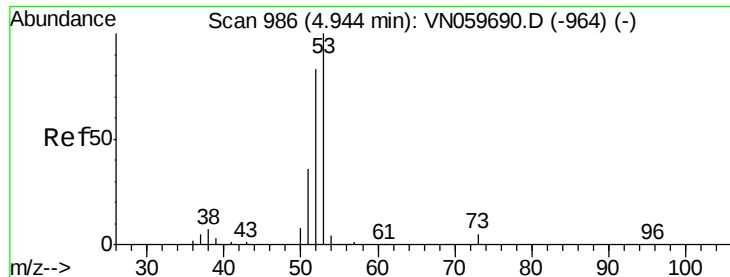


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.463 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

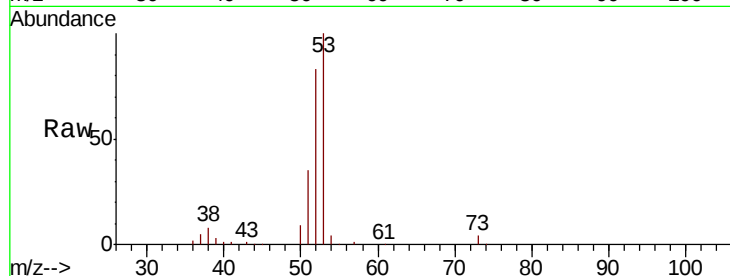
Tot Ion: 53 Resp: 202695

Ion Ratio Lower Upper

53 100

52 83.6 66.3 99.5

51 37.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059985.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059985.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059985.D (-964) (-)

4.94

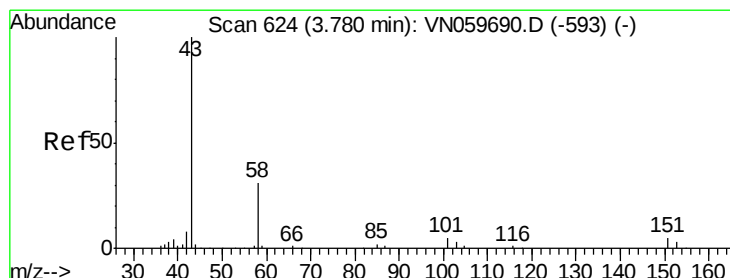
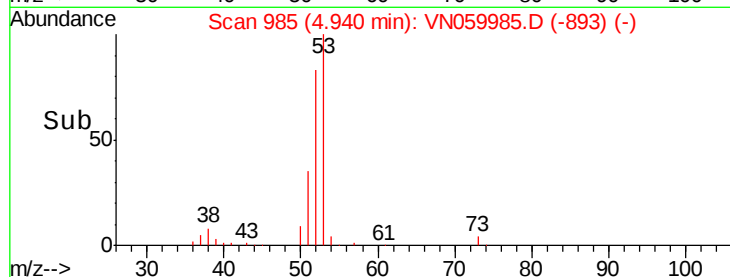
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 317.884 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059985.D

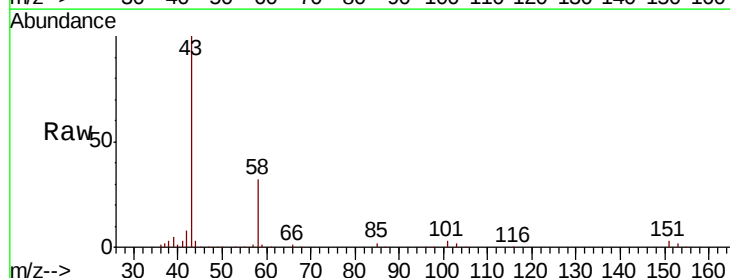
Acq: 4 Feb 2020 10:40

Tgt Ion: 43 Resp: 229286

Ion Ratio Lower Upper

43 100

58 32.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059985.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059985.D (-593) (-)

3.78

100000

80000

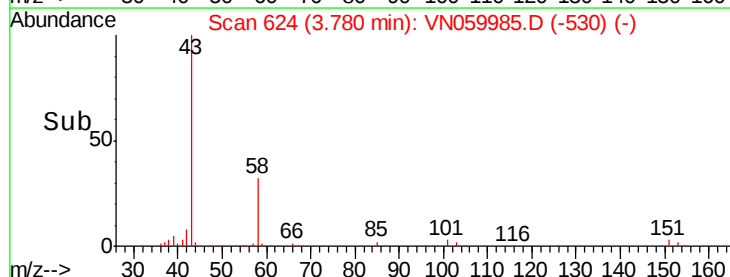
60000

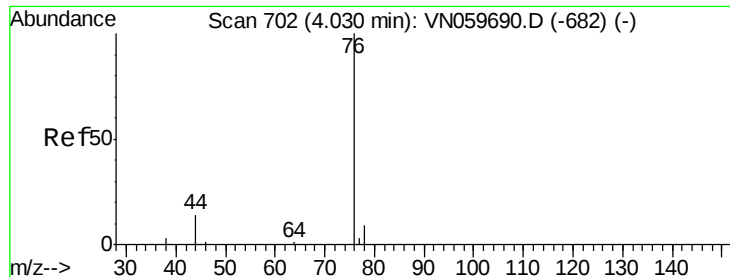
40000

20000

0

Time-->

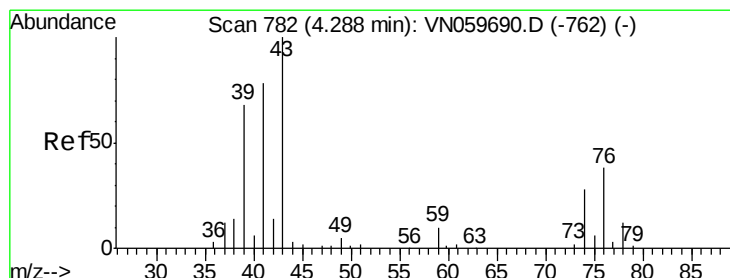
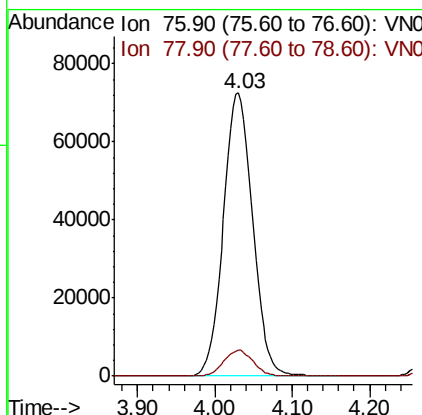
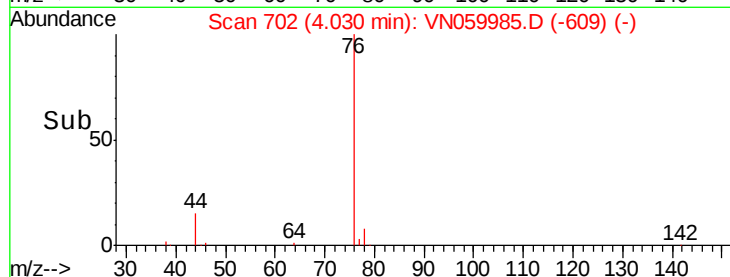
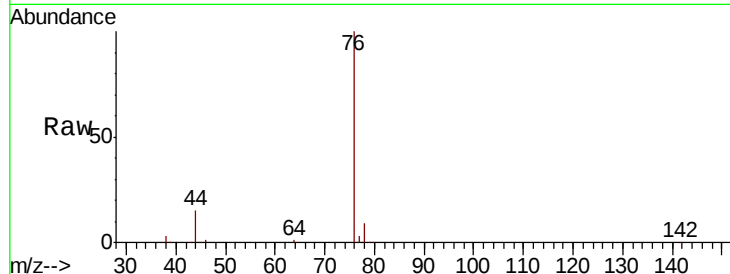




#17
Carbon Disulfide
Concen: 38.004 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

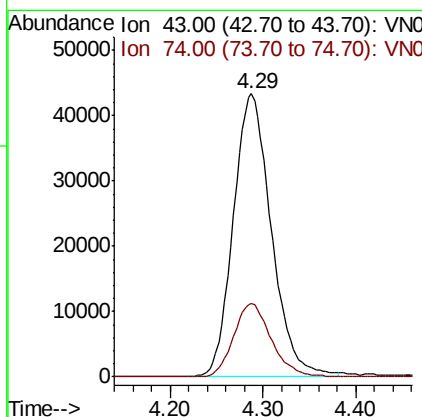
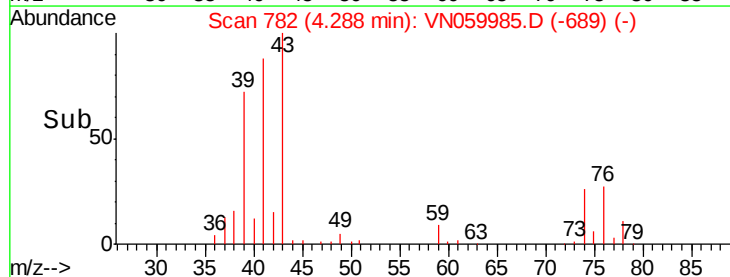
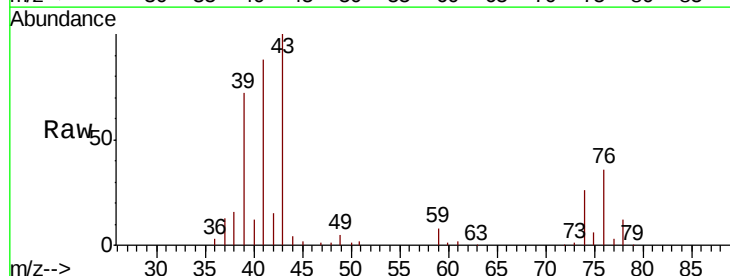
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

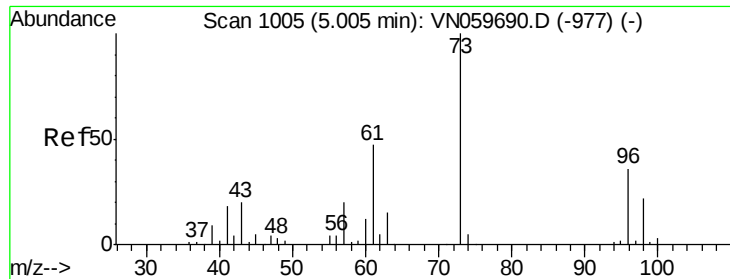
Tot Ion: 76 Resp: 190240
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 49.610 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 43 Resp: 123602
Ion Ratio Lower Upper
43 100
74 25.7 17.5 26.3

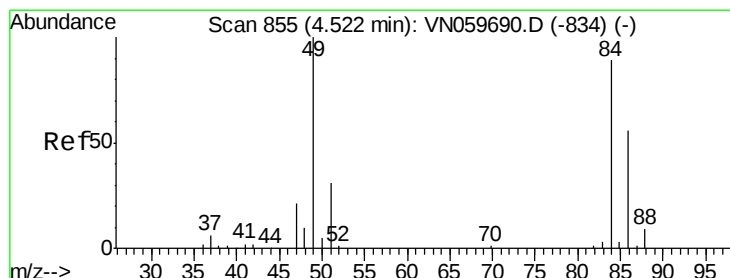
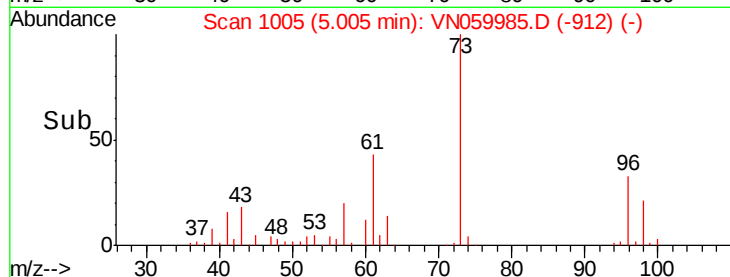
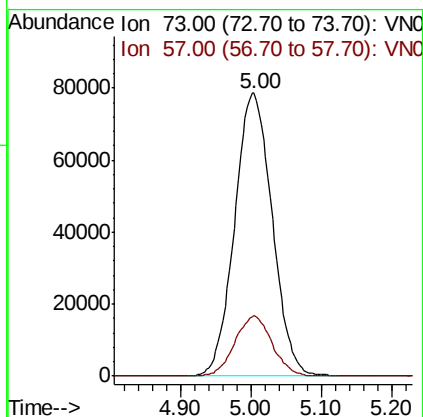
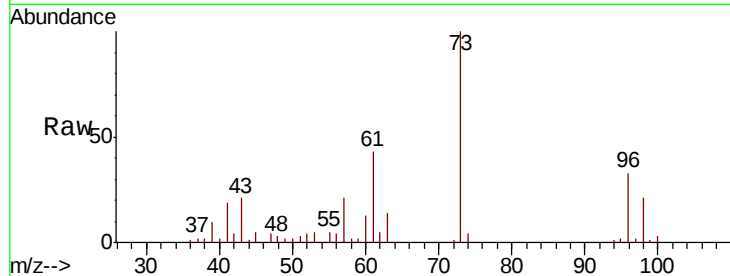




#19
Methvl tert-butvl Ether
Concen: 51.003 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

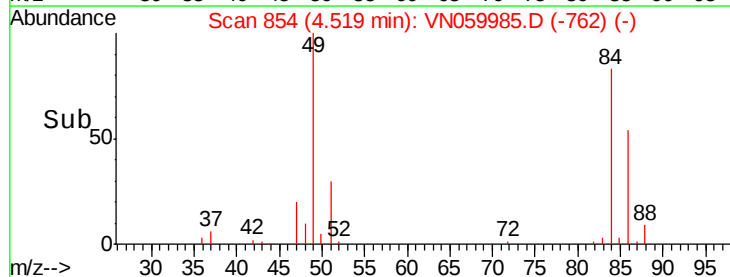
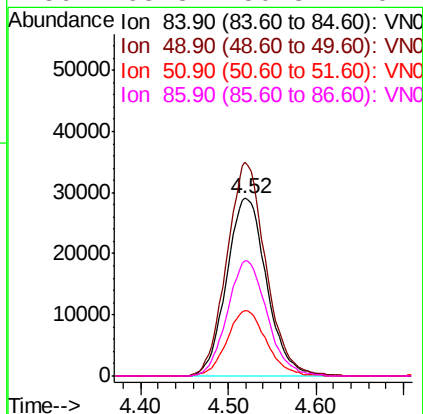
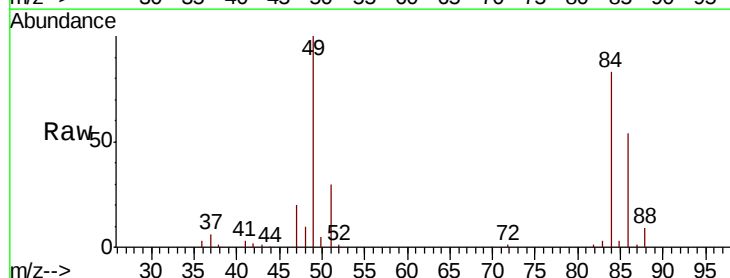
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

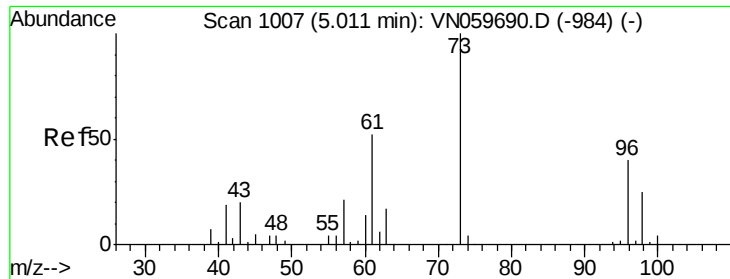
Tot Ion: 73 Resp: 292216
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8



#20
Methylene Chloride
Concen: 47.714 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 84 Resp: 92192
Ion Ratio Lower Upper
84 100
49 120.3 106.6 160.0
51 36.5 31.9 47.9
86 65.3 50.8 76.2

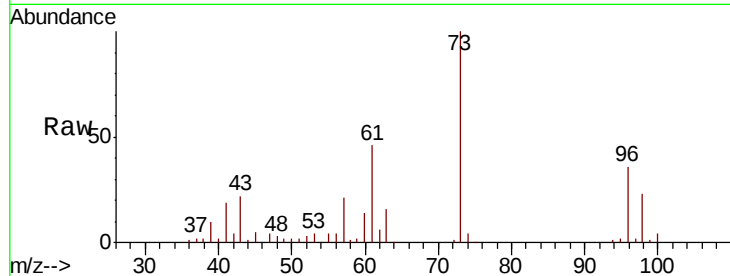




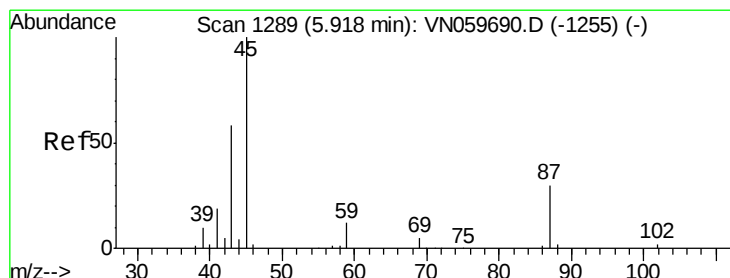
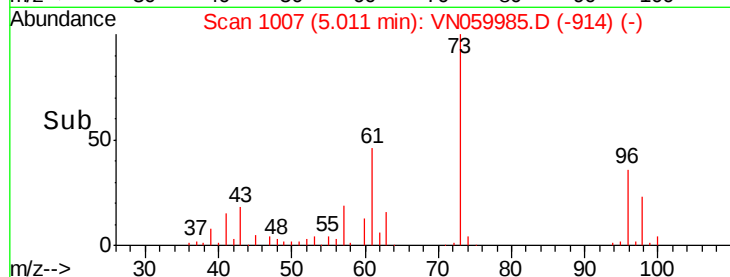
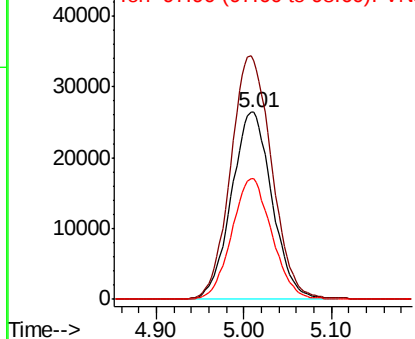
#21
trans-1,2-Dichloroethene
Concen: 45.627 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 85229
Ion Ratio Lower Upper
96 100
61 127.2 120.4 180.6
98 64.2 50.6 75.8

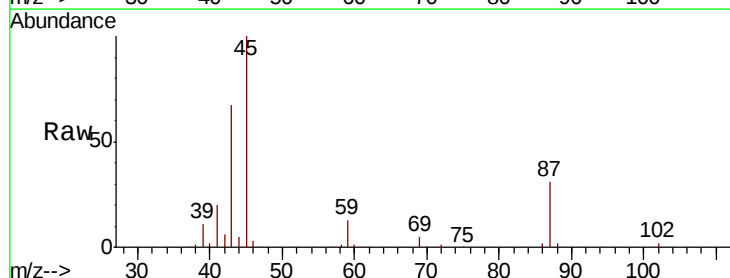


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

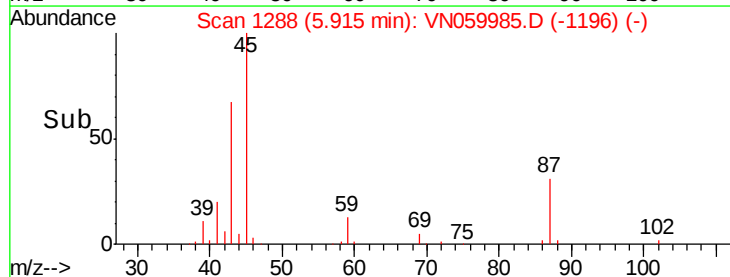
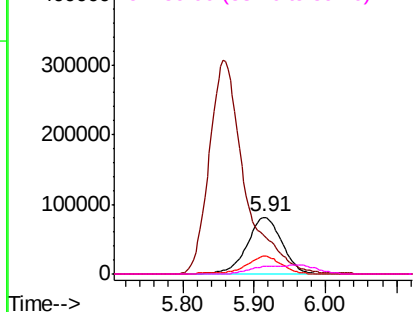


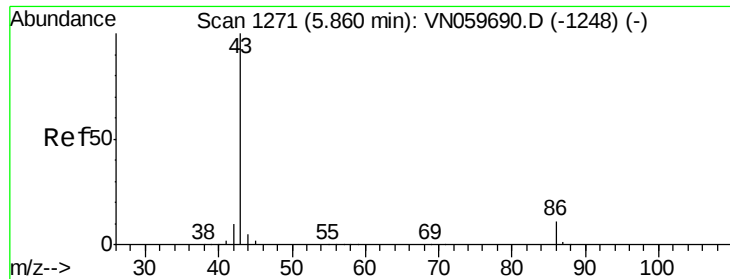
#22
Diisopropyl ether
Concen: 51.344 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 45 Resp: 275598
Ion Ratio Lower Upper
45 100
43 65.5 50.8 76.2
87 31.3 21.0 31.6
59 12.9 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

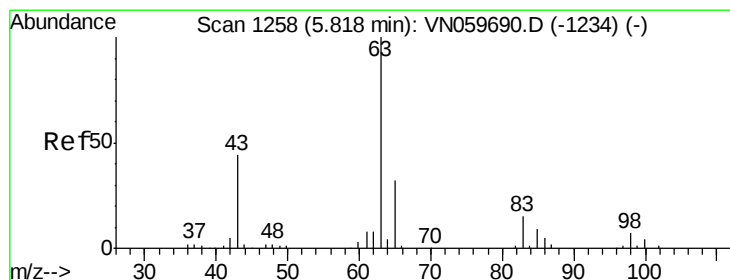
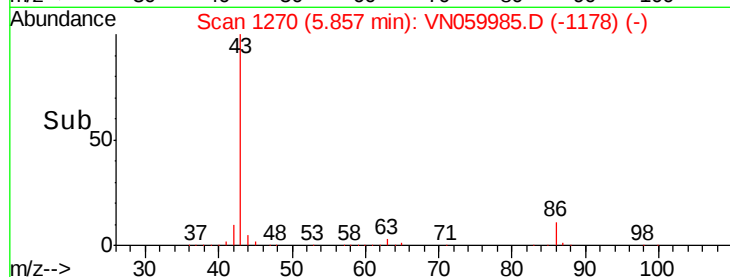
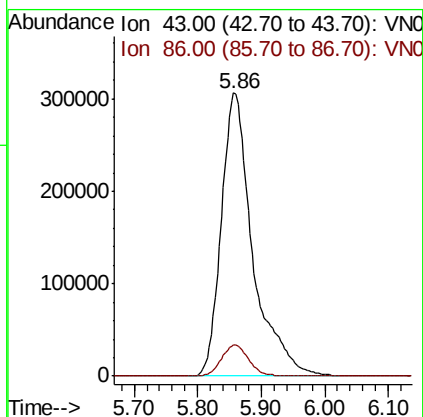
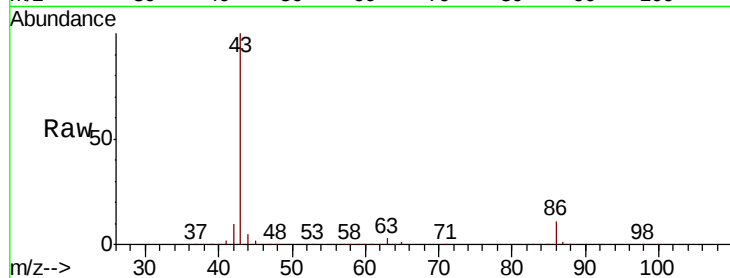




#23
 Vinyl Acetate
 Concen: 253.558 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

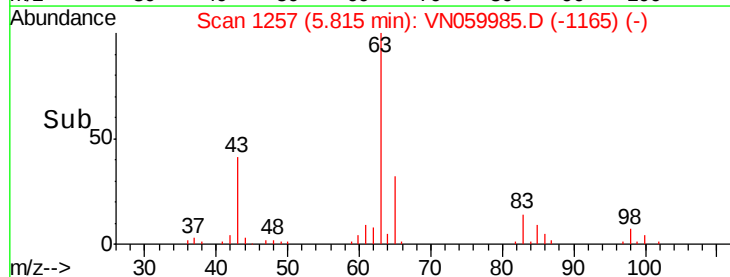
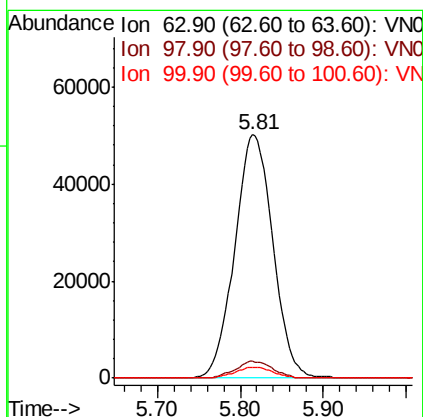
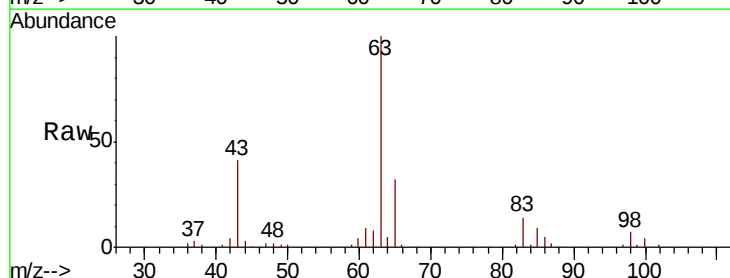
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

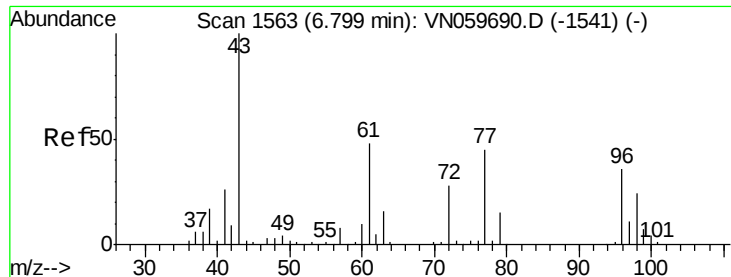
Tot Ion: 43 Resp: 1053749
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 48.878 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 63 Resp: 160307
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.7
 100 4.3 2.0 6.0

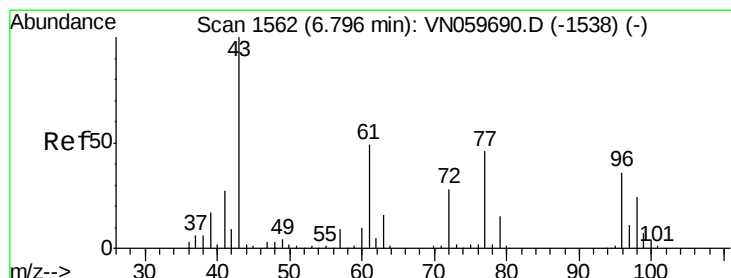
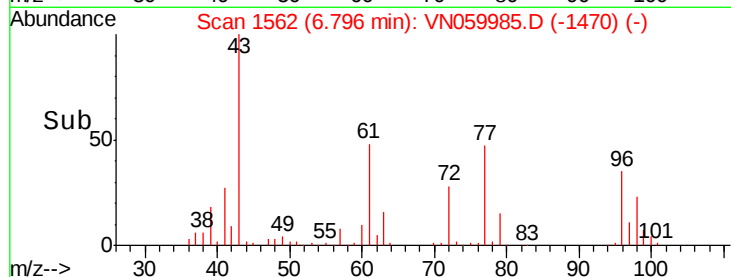
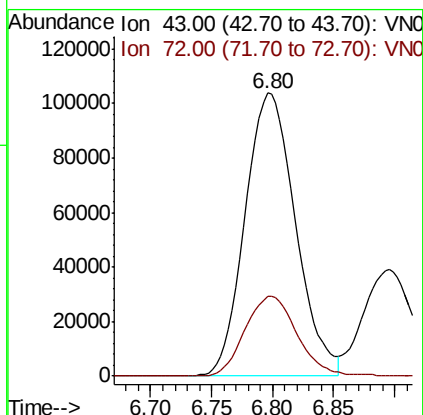
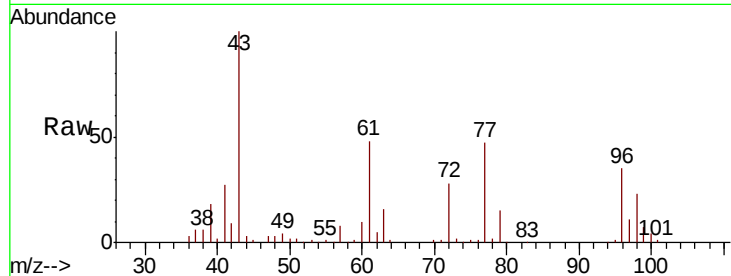




#25
2-Butanone
Concen: 246.200 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

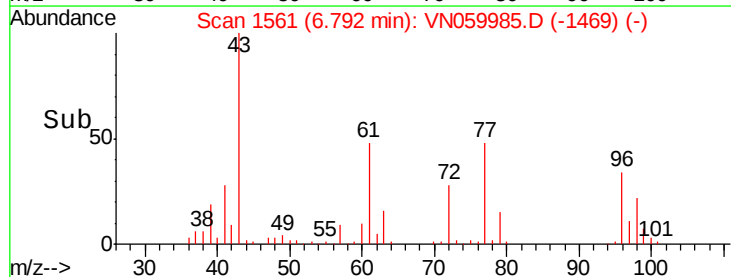
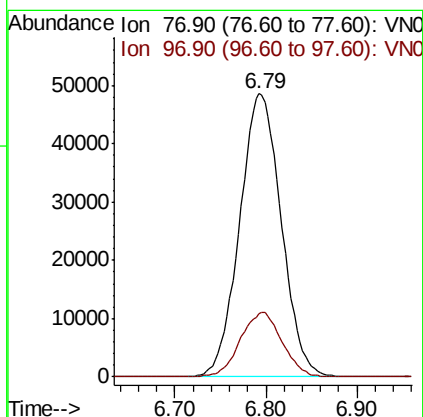
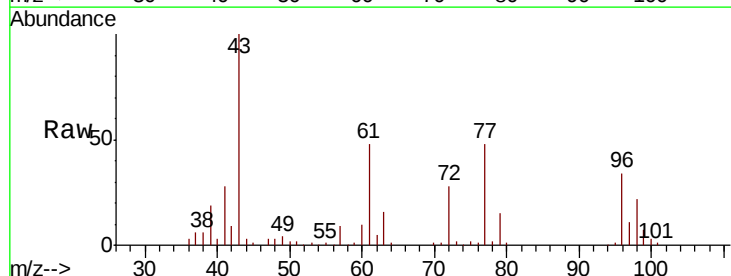
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

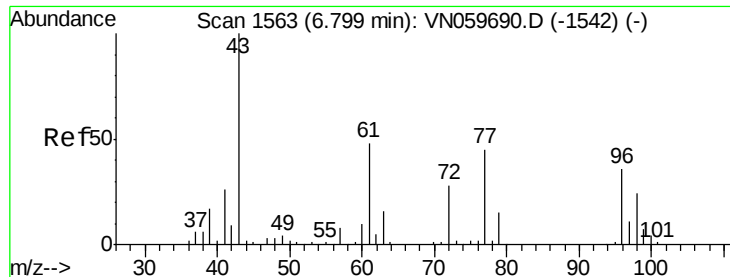
Tot Ion: 43 Resp: 297387
Ion Ratio Lower Upper
43 100
72 28.2 19.9 29.9



#26
2,2-Dichloropropane
Concen: 48.856 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 77 Resp: 154048
Ion Ratio Lower Upper
77 100
97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.187 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

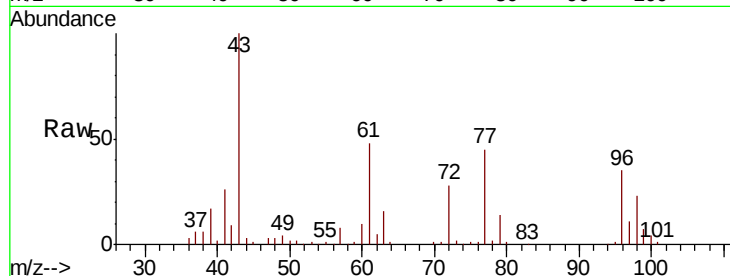
Tot Ion: 96 Resp: 105677

Ion Ratio Lower Upper

96 100

61 139.8 0.0 317.6

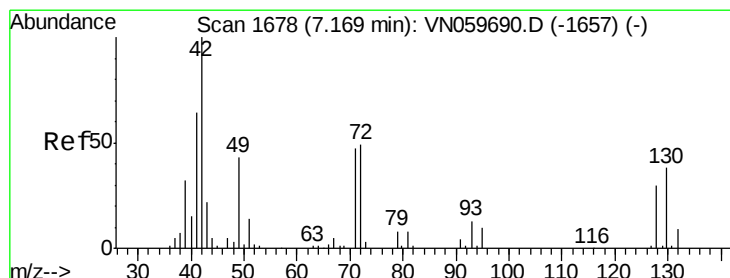
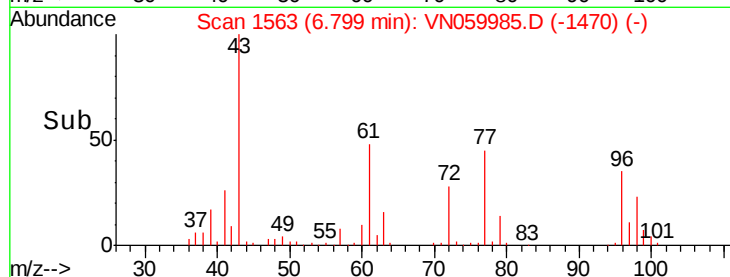
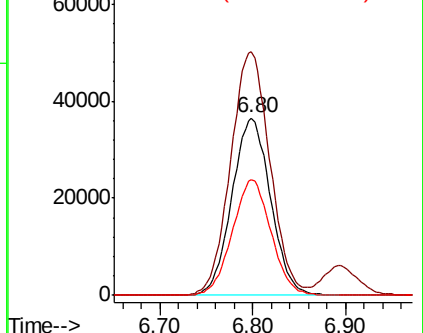
98 65.1 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059985.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059985.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059985.D (-1470) (-)



#28

Bromochloromethane

Concen: 50.982 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

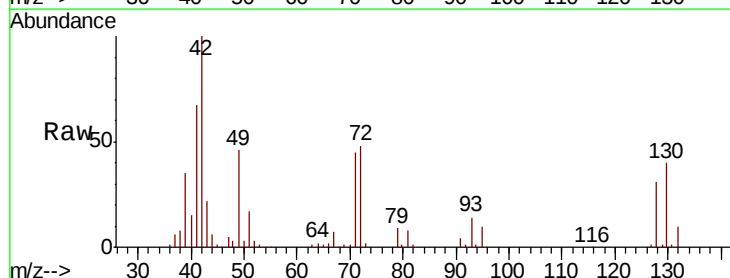
Tgt Ion: 49 Resp: 66831

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.4

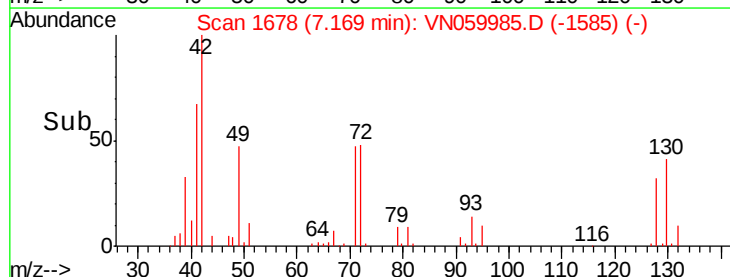
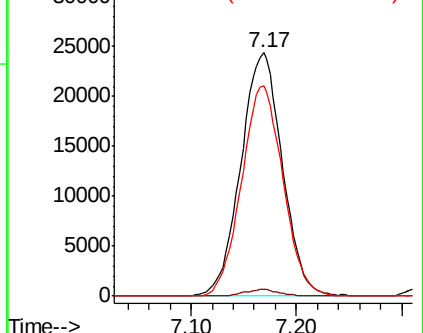
130 86.1 54.7 82.1#

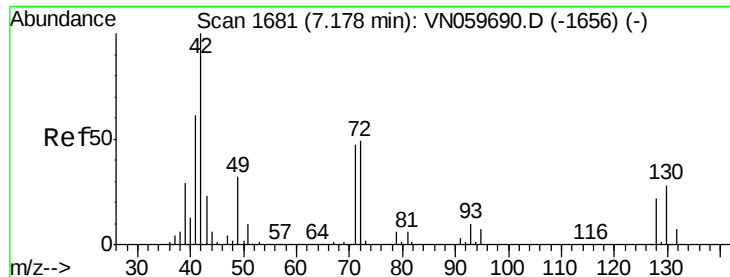


Abundance Ion 48.90 (48.60 to 49.60): VN059985.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059985.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059985.D (-1585) (-)

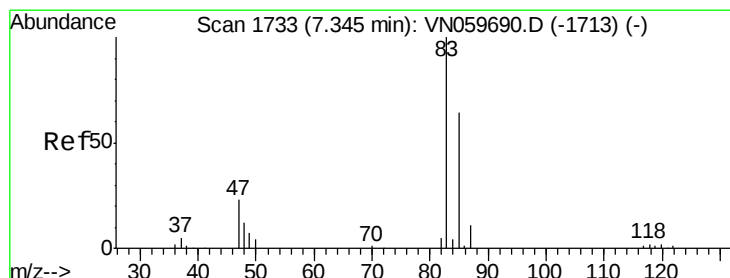
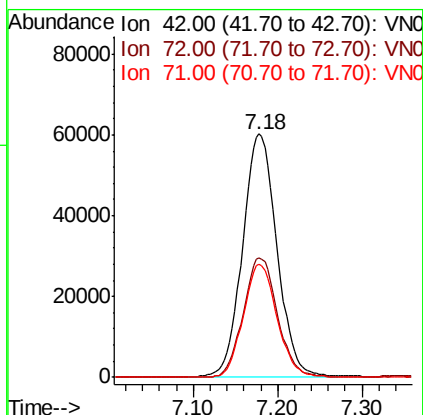
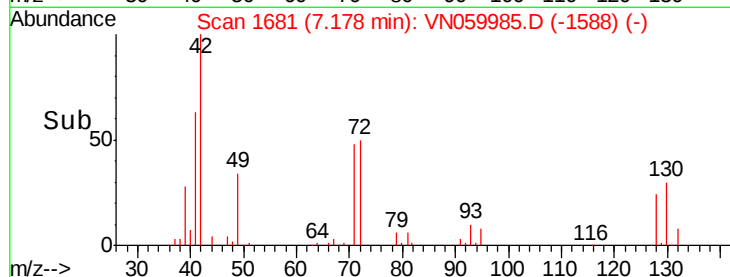
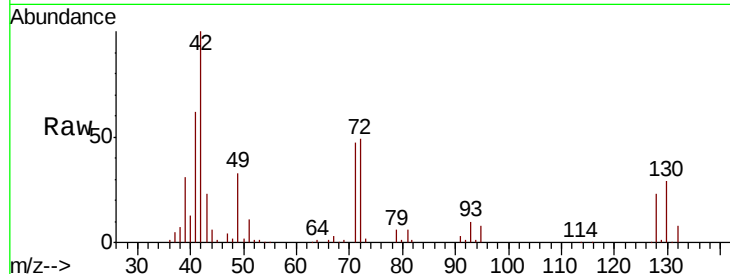




#29
Tetrahydrofuran
Concen: 229.232 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

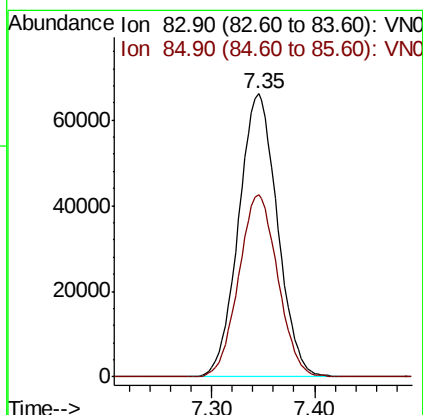
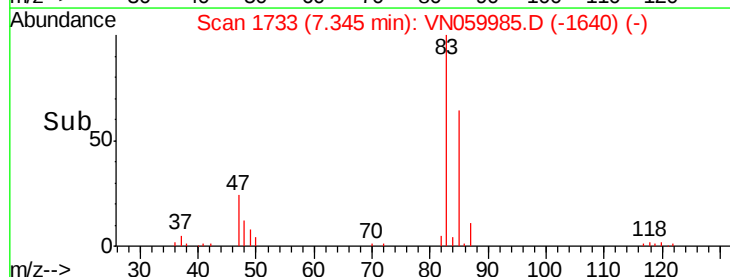
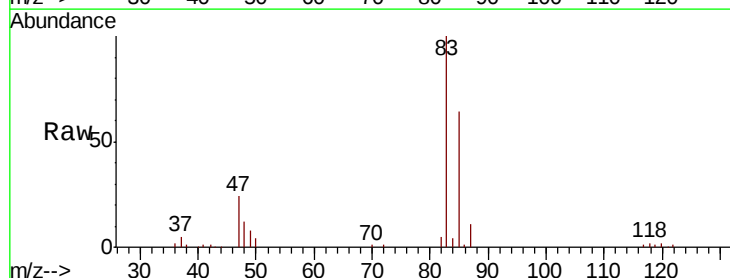
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

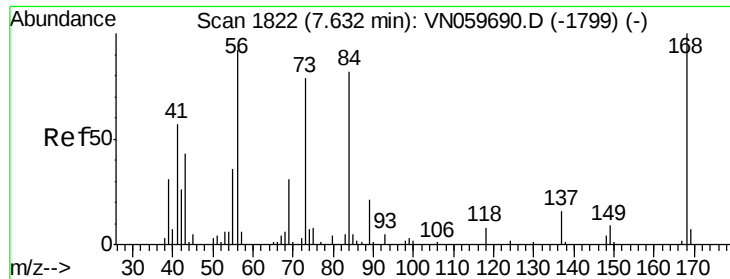
Tot Ion: 42 Resp: 171318
Ion Ratio Lower Upper
42 100
72 48.7 33.1 49.7
71 45.5 31.4 47.0



#30
Chloroform
Concen: 50.904 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 83 Resp: 172985
Ion Ratio Lower Upper
83 100
85 64.4 52.4 78.6

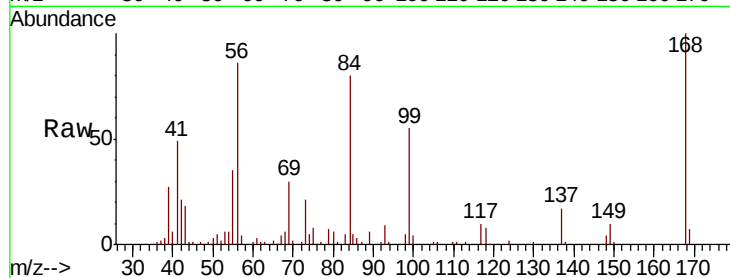




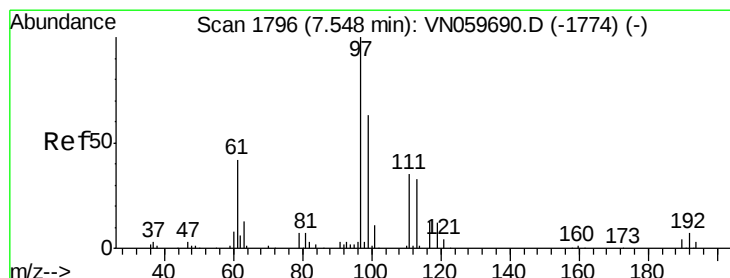
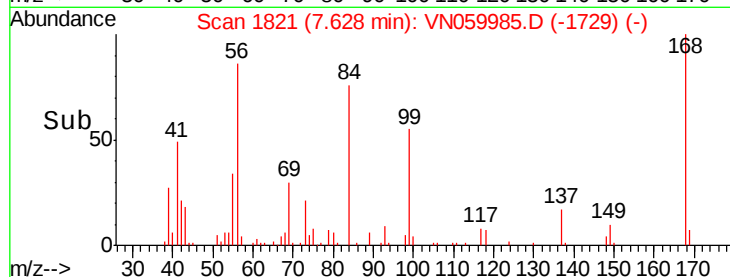
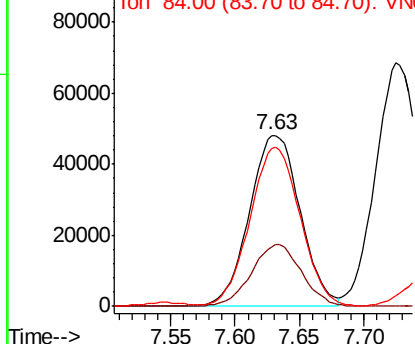
#31
Cyclohexane
Concen: 41.840 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 132043
Ion Ratio Lower Upper
56 100
69 34.6 26.5 39.7
84 91.1 65.3 97.9

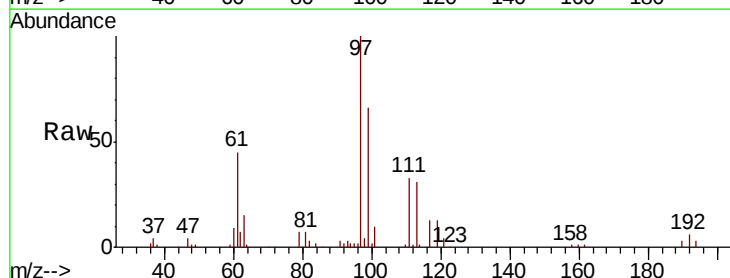


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

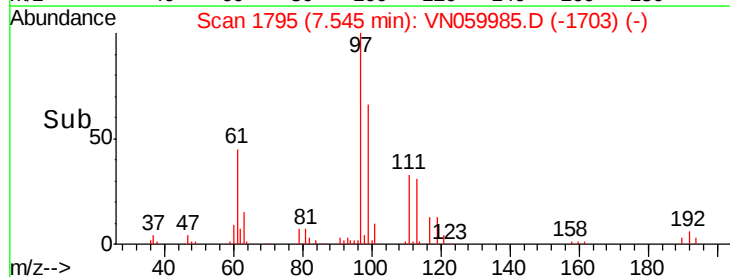
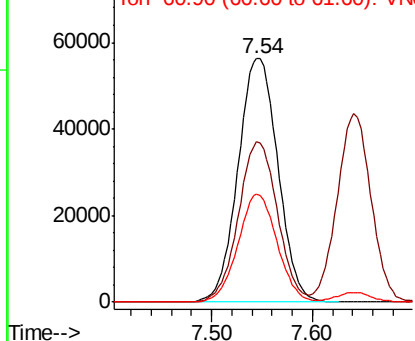


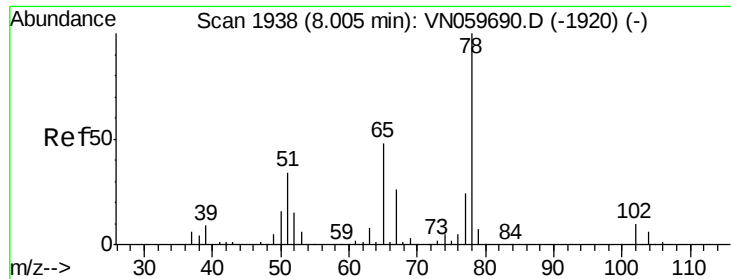
#32
1,1,1-Trichloroethane
Concen: 49.190 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 97 Resp: 154556
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 43.4 38.5 57.7



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

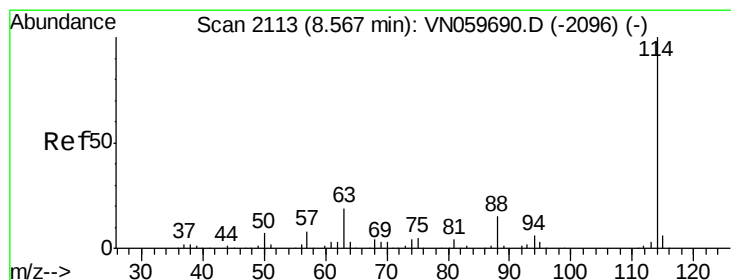
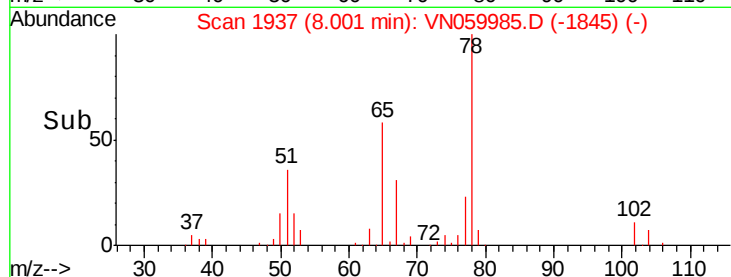
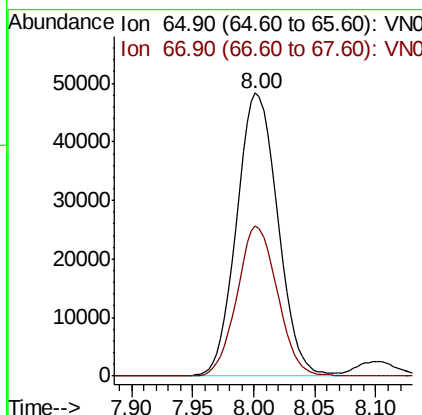
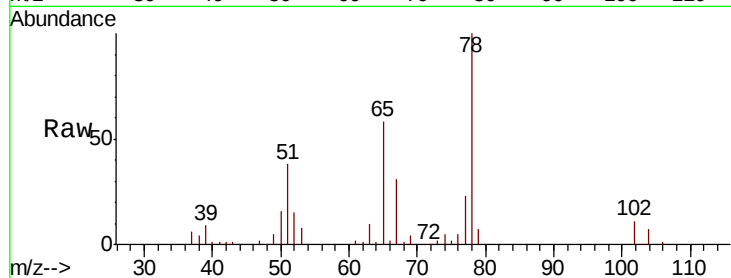




#33
 1,2-Dichloroethane-d4
 Concen: 52.958 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

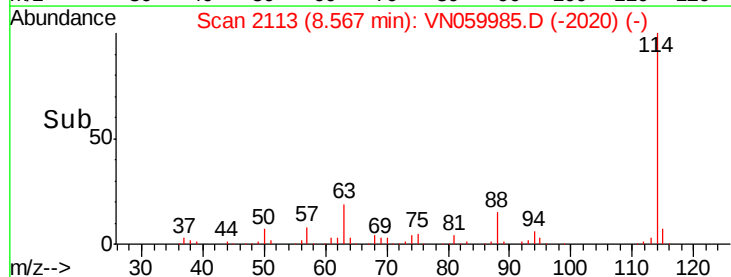
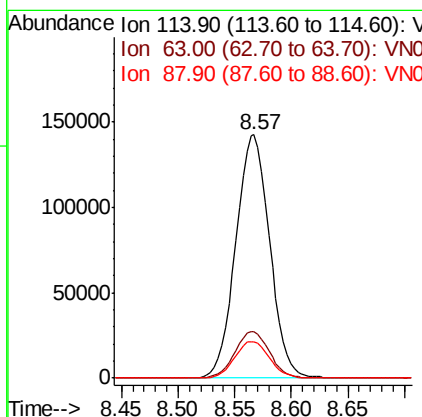
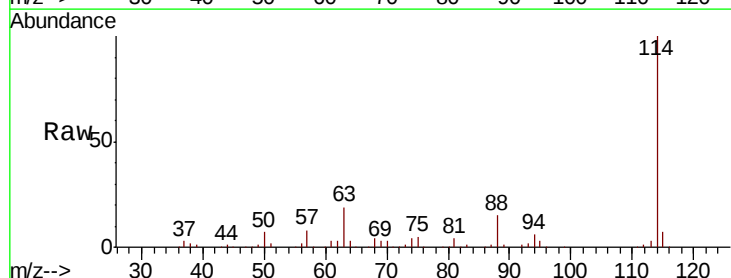
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

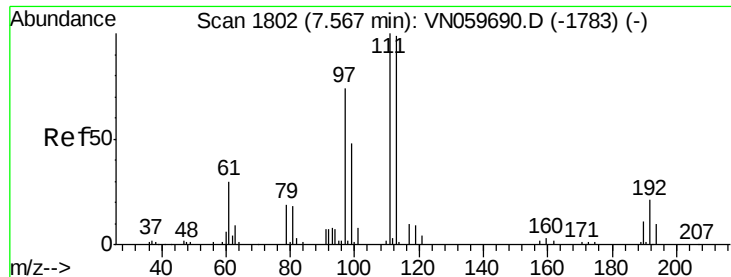
Tot Ion: 65 Resp: 112960
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 114 Resp: 297684
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.404 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

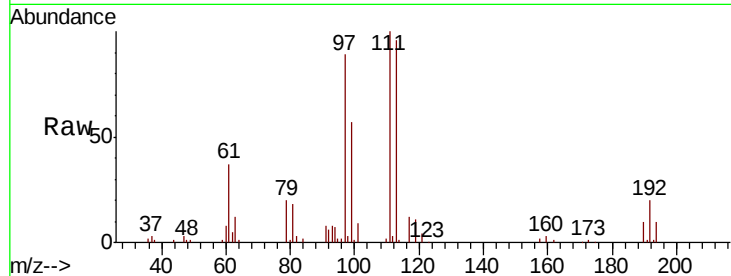
Tot Ion:113 Resp: 93028

Ion Ratio Lower Upper

113 100

111 104.5 83.5 125.3

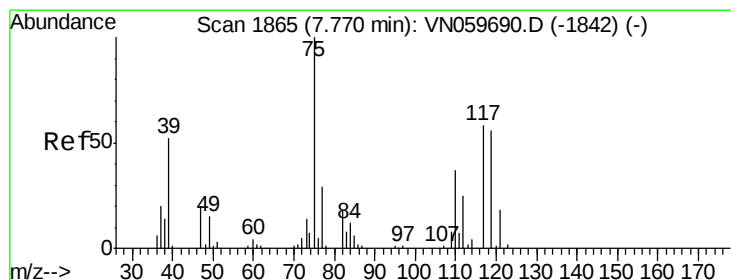
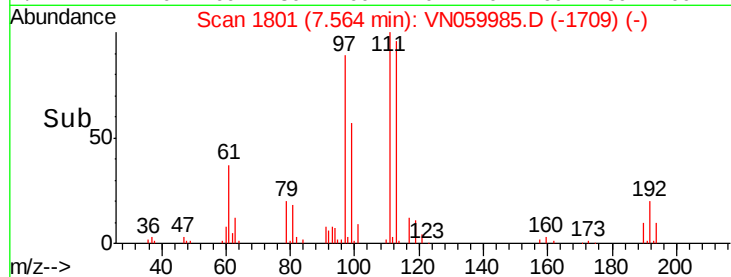
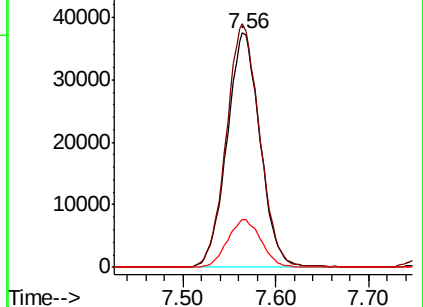
192 20.5 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.535 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

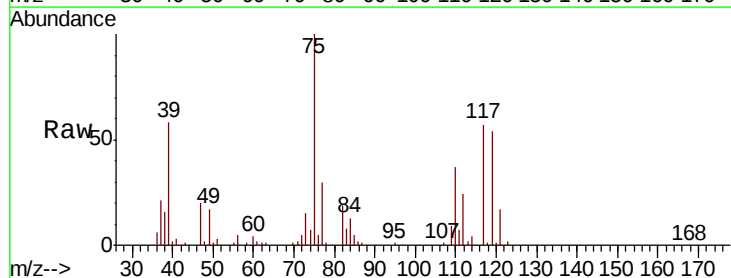
Tgt Ion: 75 Resp: 123227

Ion Ratio Lower Upper

75 100

110 36.8 16.6 49.7

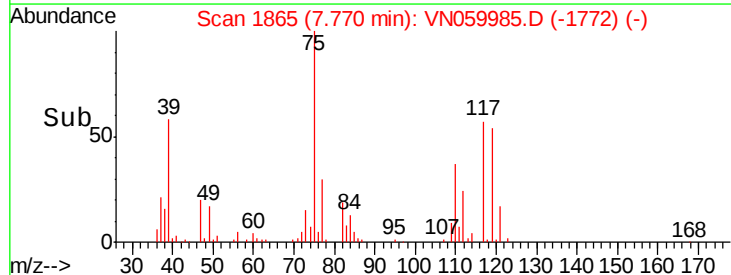
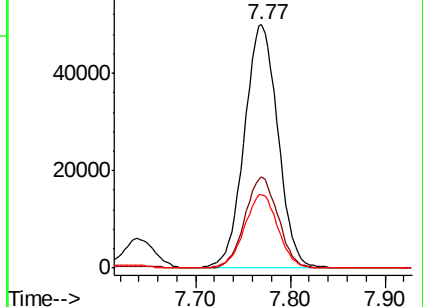
77 30.2 25.1 37.7

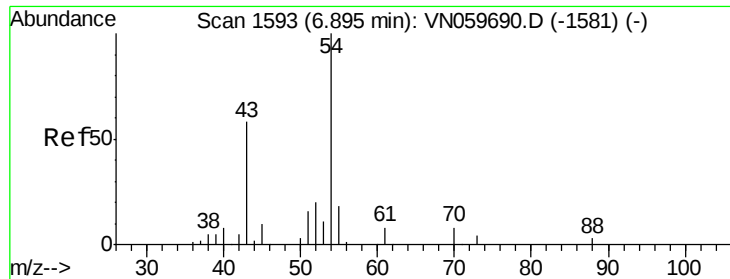


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

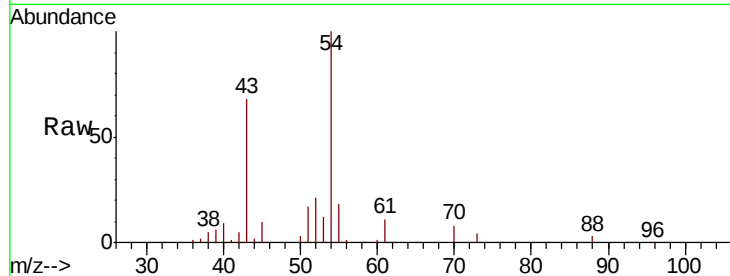




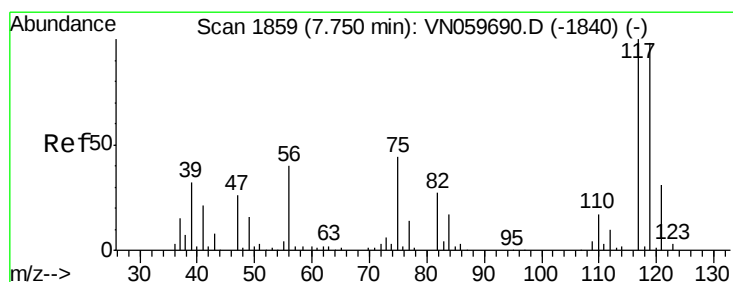
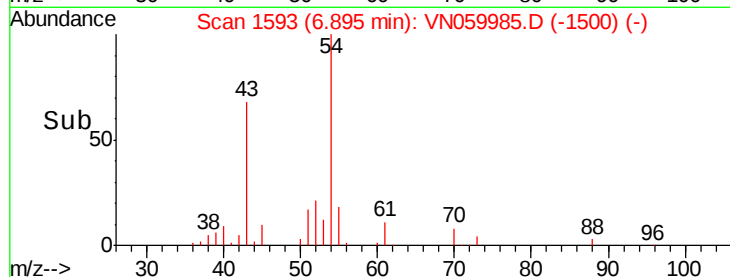
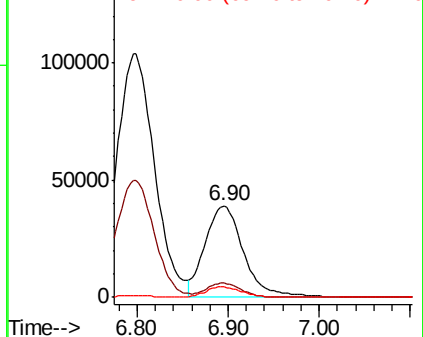
#37
Ethyl Acetate
Concen: 46.343 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 112678
Ion Ratio Lower Upper
43 100
61 14.6 10.9 16.3
70 11.0 7.7 11.5

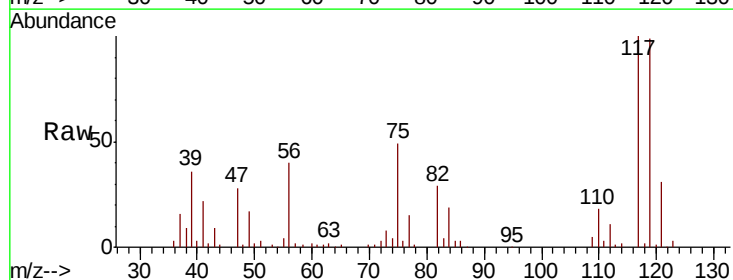


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

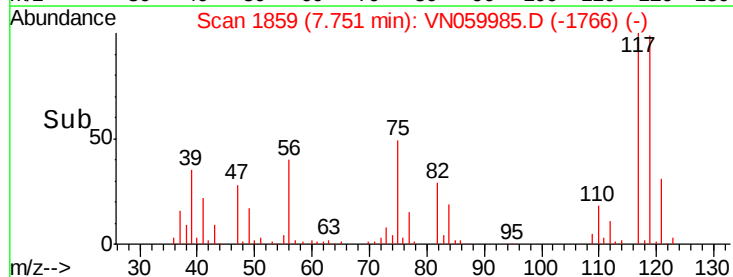
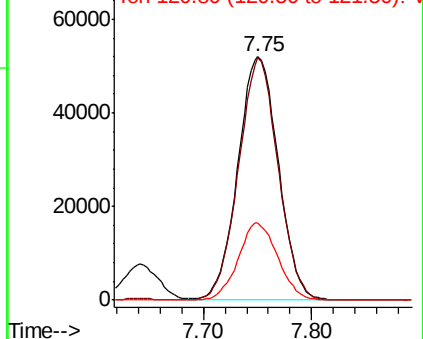


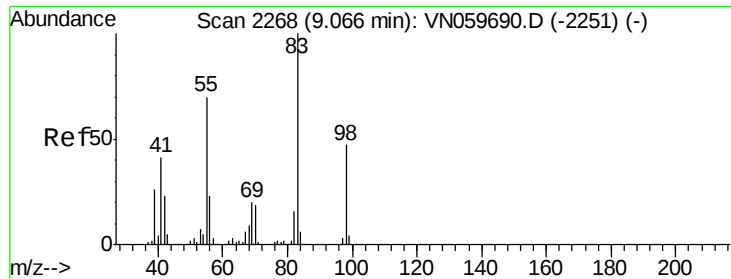
#38
Carbon Tetrachloride
Concen: 48.072 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 117 Resp: 135559
Ion Ratio Lower Upper
117 100
119 99.4 76.5 114.7
121 31.5 25.1 37.7



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

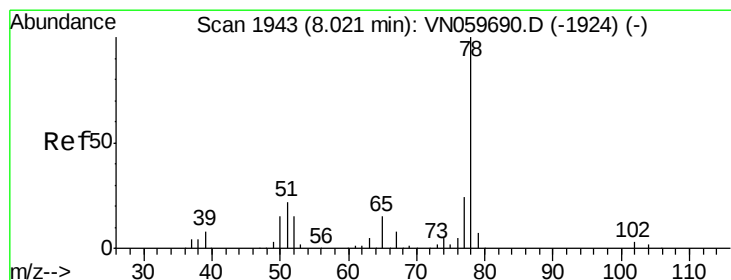
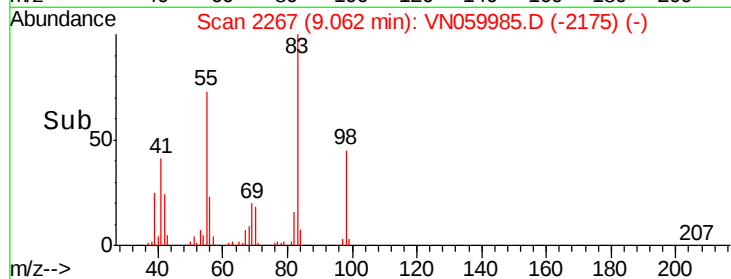
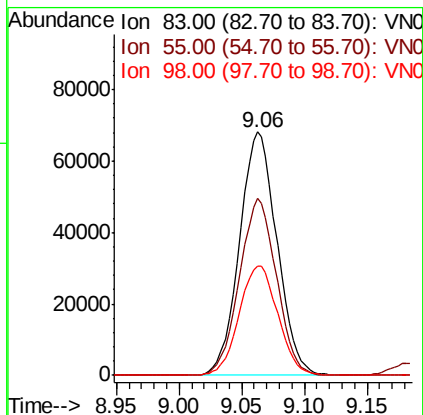
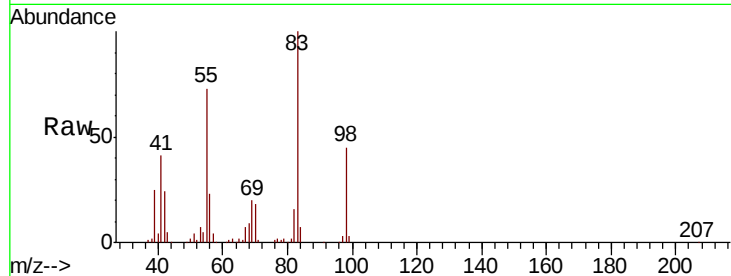




#39
Methvlcvclohexane
Concen: 44.274 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

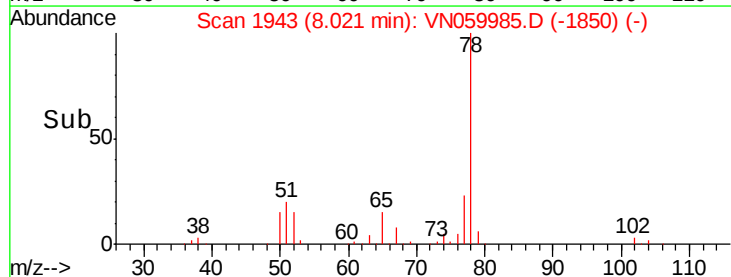
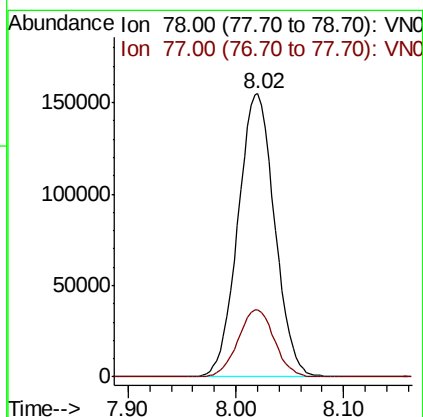
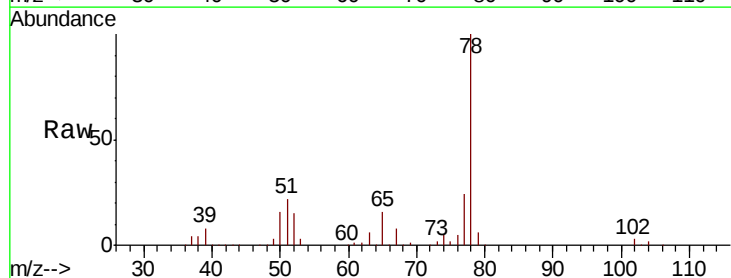
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

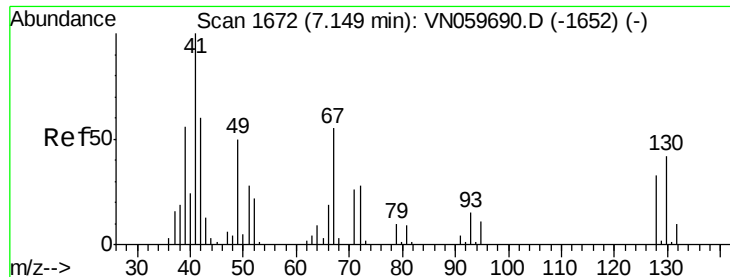
Tot Ion: 83 Resp: 141518
Ion Ratio Lower Upper
83 100
55 72.6 64.2 96.2
98 45.0 35.9 53.9



#40
Benzene
Concen: 47.360 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 78 Resp: 366154
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

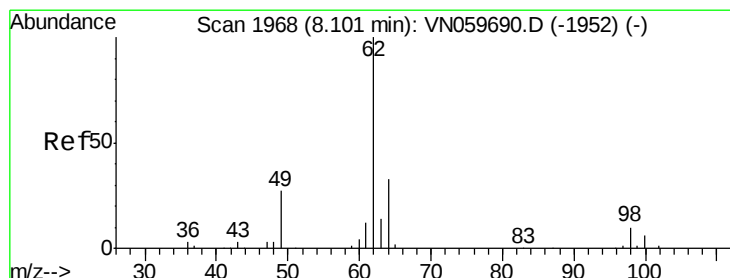
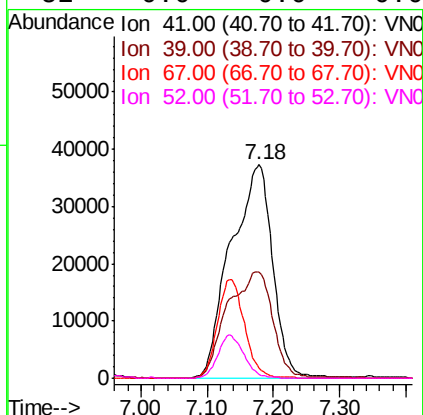
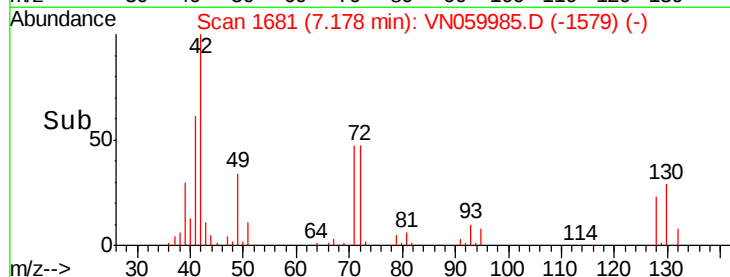
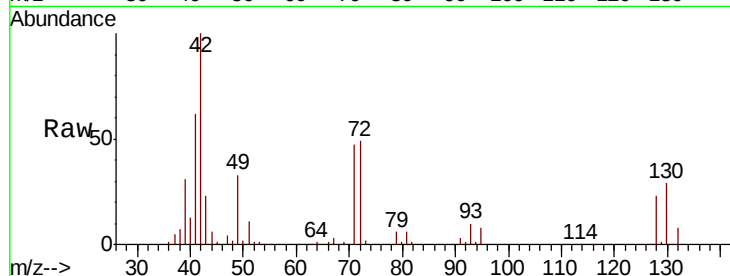




#41
Methacrylonitrile
Concen: 135.906 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

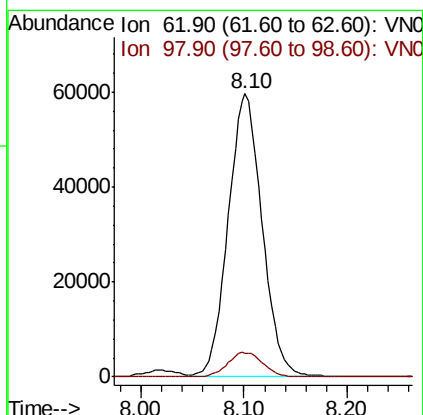
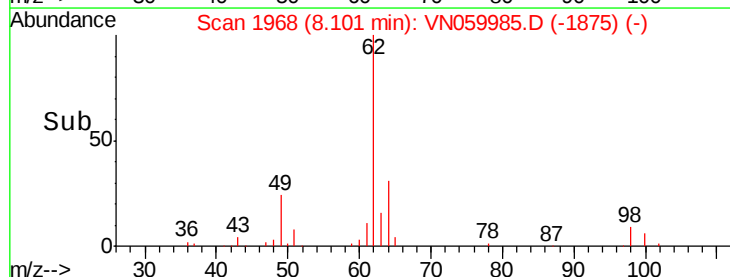
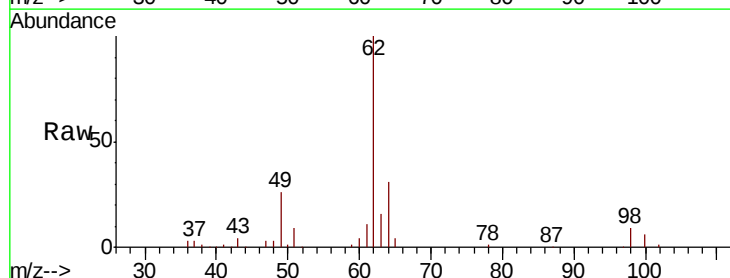
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

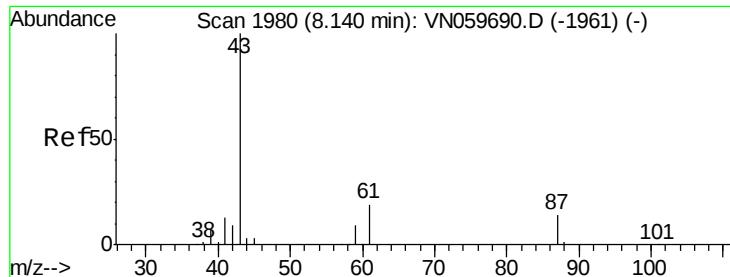
Tot Ion: 41 Resp: 162761
Ion Ratio Lower Upper
41 100
39 54.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 52.189 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 62 Resp: 136804
Ion Ratio Lower Upper
62 100
98 8.8 0.0 15.8





#43

Isopropyl Acetate

Concen: 48.224 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

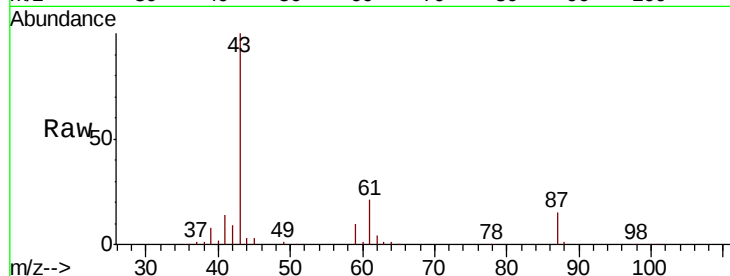
Tot Ion: 43 Resp: 201677

Ion Ratio Lower Upper

43 100

61 27.5 20.2 30.2

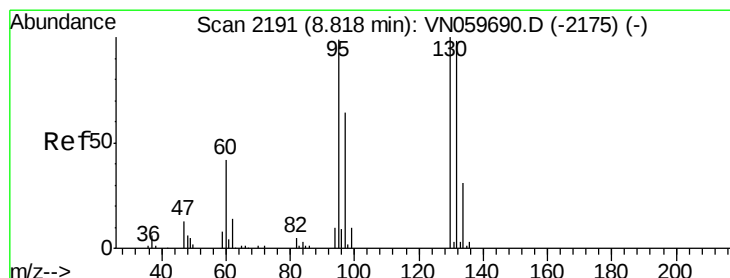
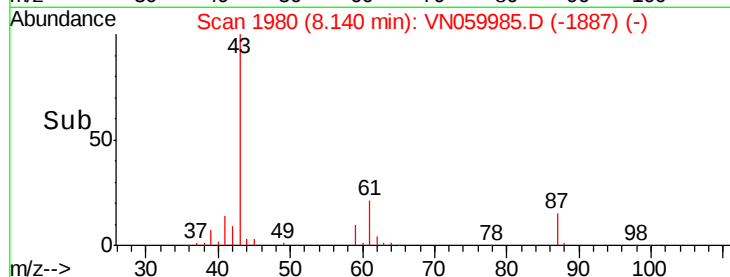
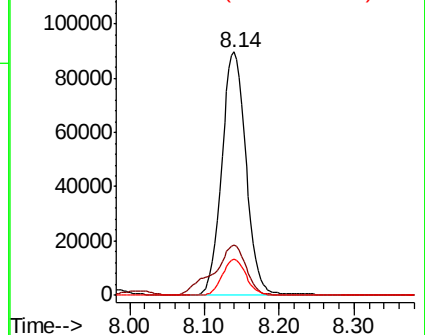
87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059985.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN059985.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN059985.D (-1887) (-)



#44

Trichloroethene

Concen: 49.352 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059985.D

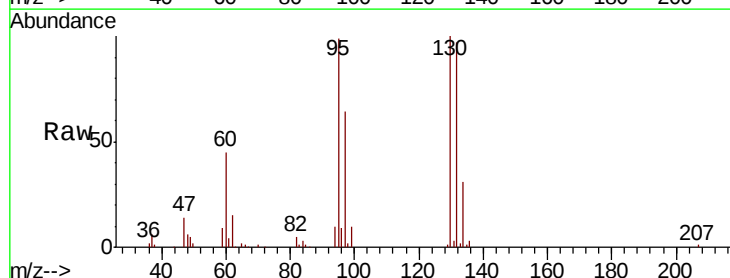
Acq: 4 Feb 2020 10:40

Tgt Ion:130 Resp: 104160

Ion Ratio Lower Upper

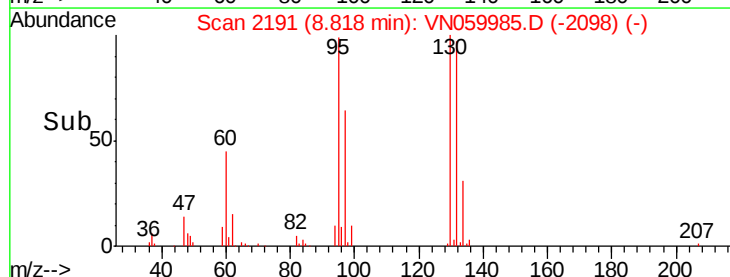
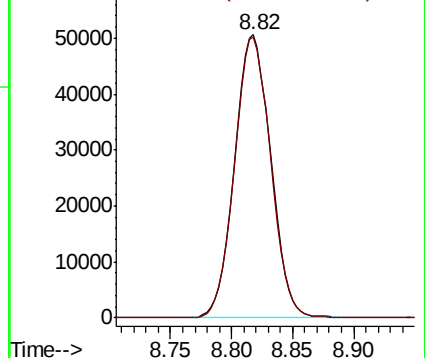
130 100

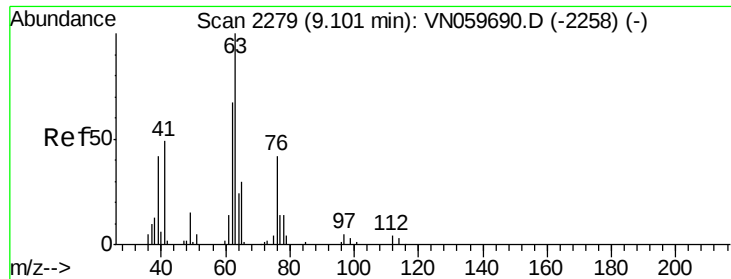
95 99.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059985.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059985.D (-2098) (-)

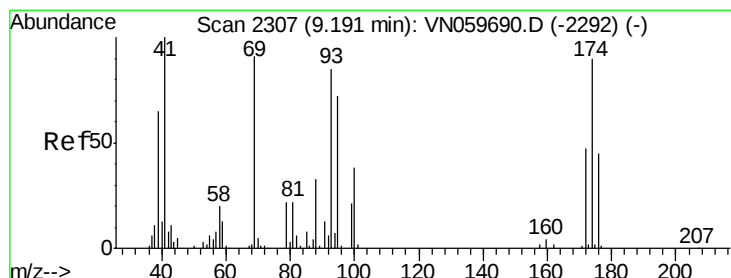
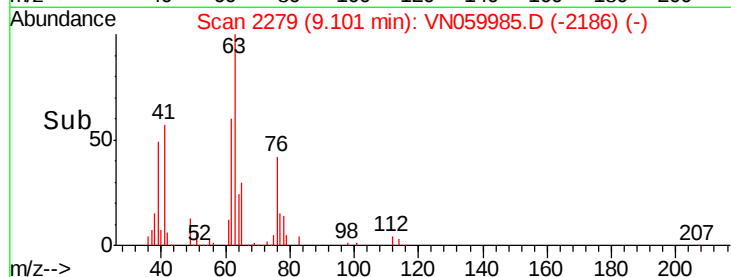
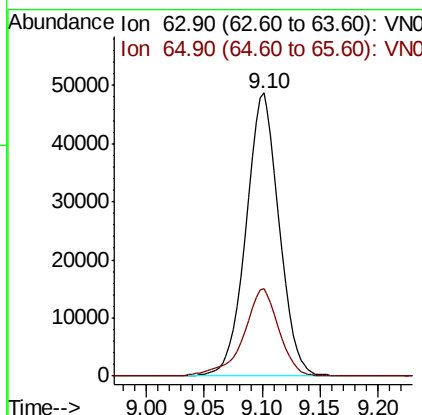
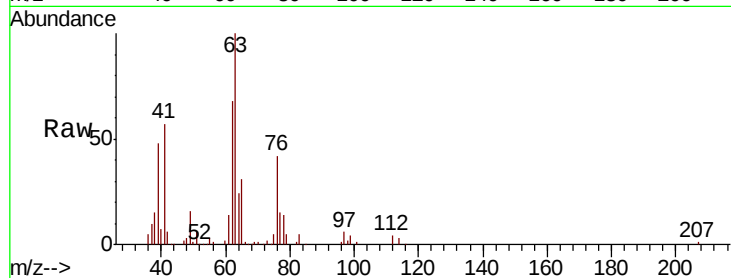




#45
 1,2-Dichloropropane
 Concen: 50.689 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

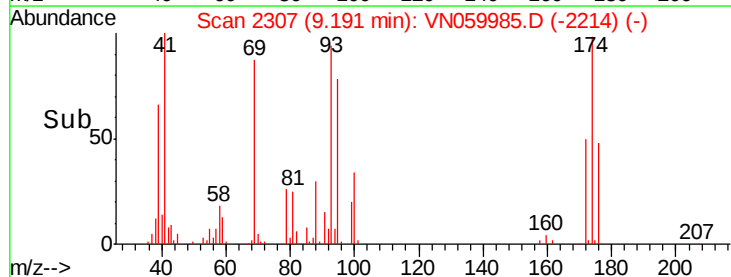
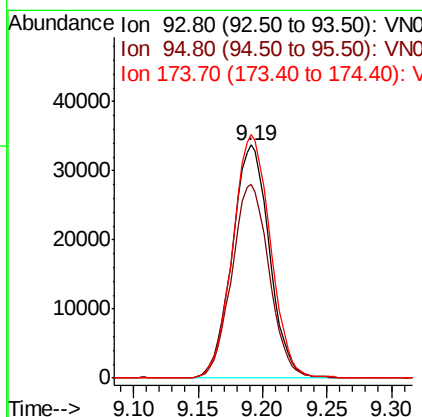
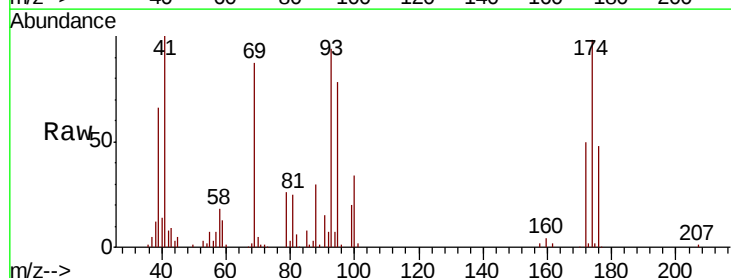
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

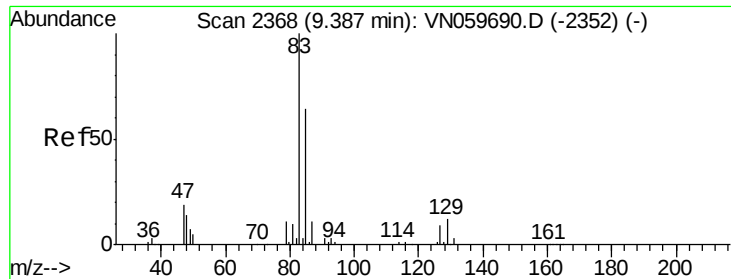
Tot Ion: 63 Resp: 96974
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.9 37.3



#46
 Dibromomethane
 Concen: 50.225 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 93 Resp: 67780
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.6
 174 105.7 73.4 110.2

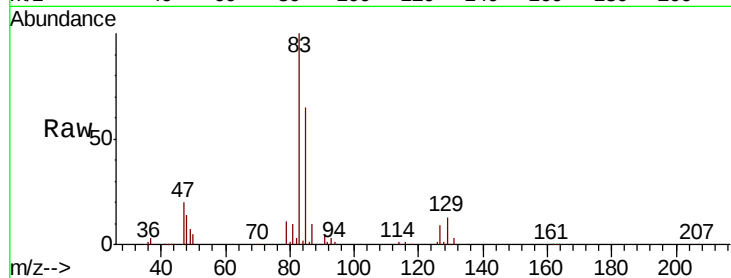




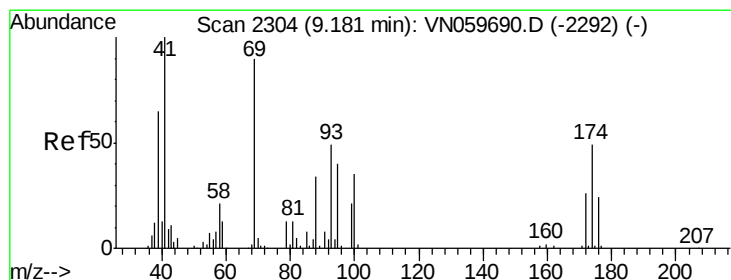
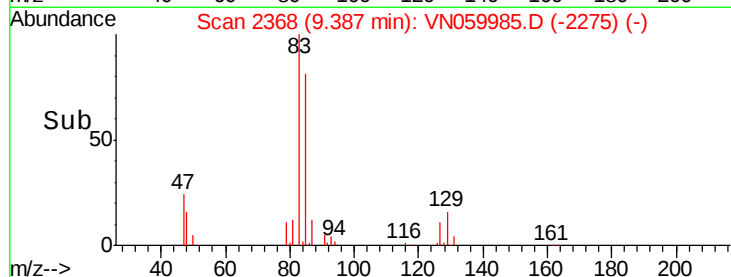
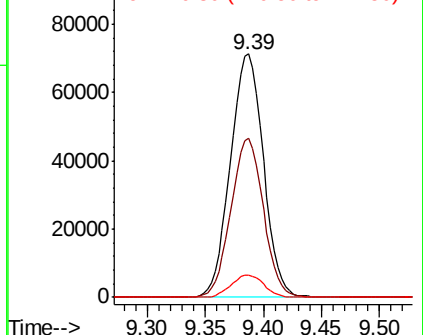
#47
Bromodichloromethane
Concen: 51.818 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 140919
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 9.1 6.6 9.8

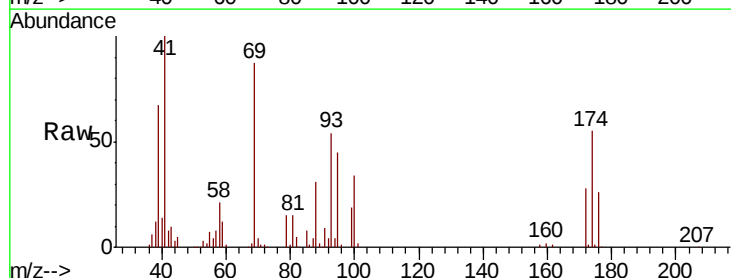


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

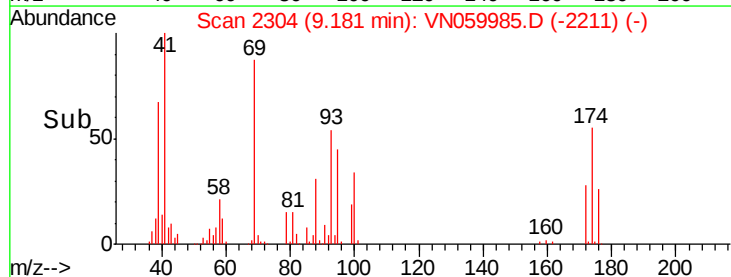
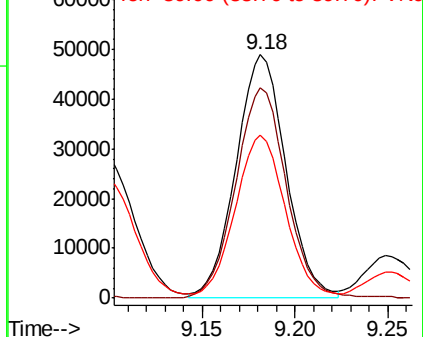


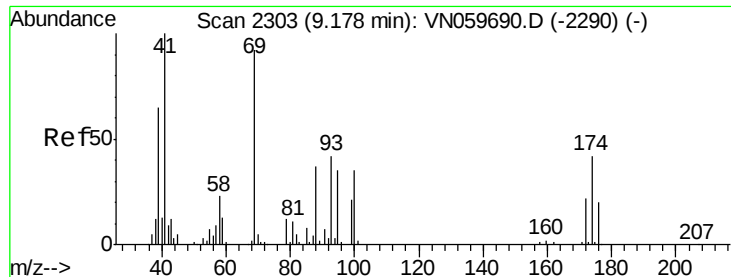
#48
Methyl methacrylate
Concen: 48.721 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 41 Resp: 91139
Ion Ratio Lower Upper
41 100
69 88.6 64.4 96.6
39 68.3 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

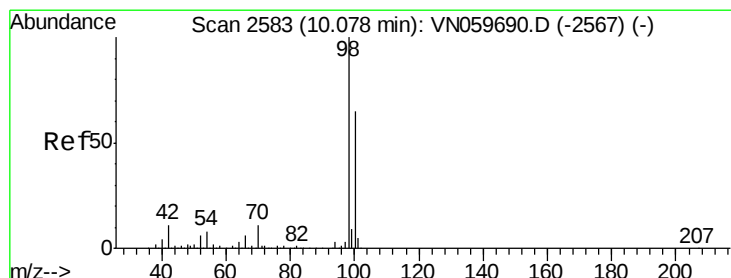
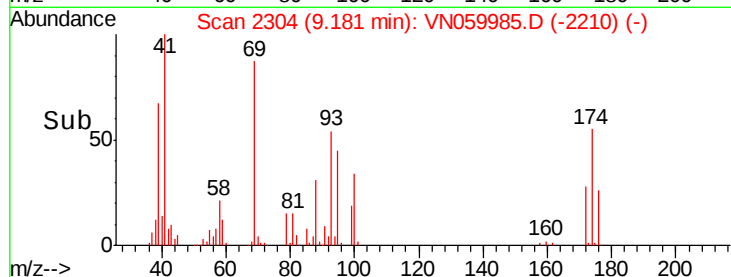
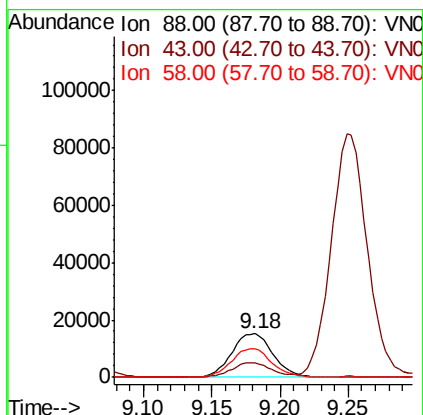
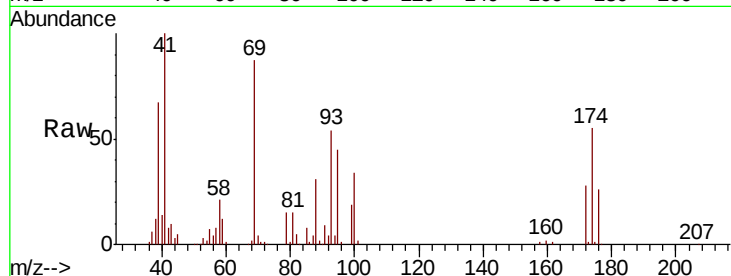




#49
1,4-Dioxane
Concen: 945.053 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

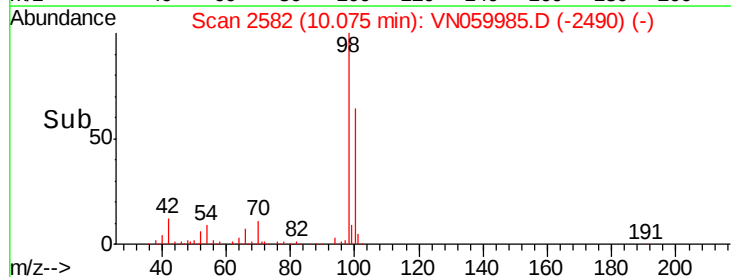
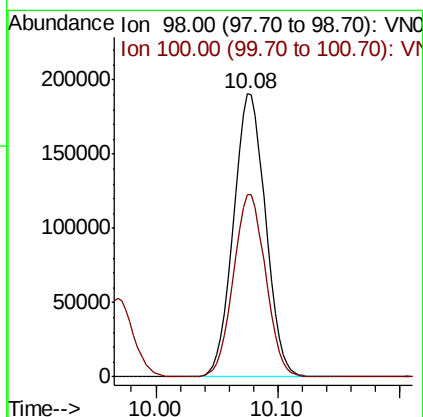
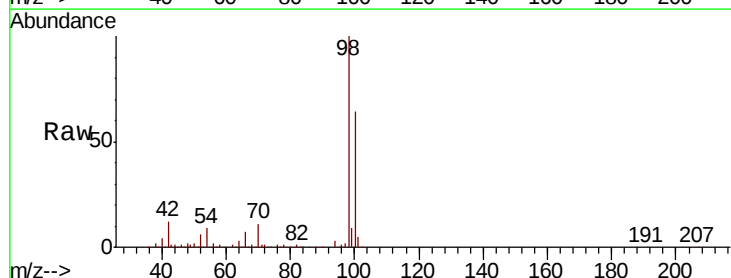
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

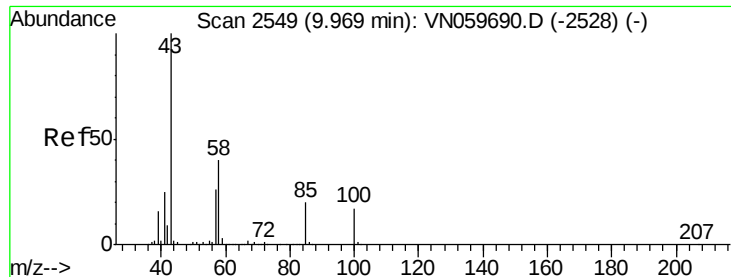
Tot Ion: 88 Resp: 32363
Ion Ratio Lower Upper
88 100
43 32.3 29.7 44.5
58 63.2 56.6 85.0



#50
Toluene-d8
Concen: 50.577 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 98 Resp: 347877
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 241.896 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

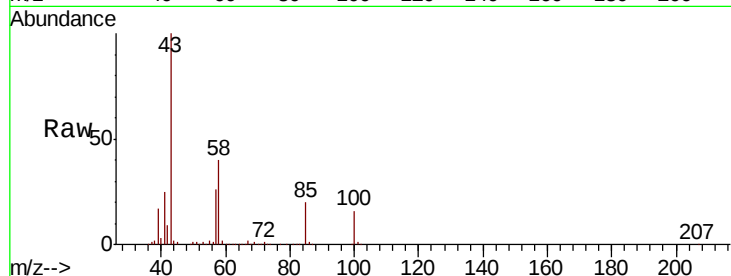
VSTDCCC050

Tot Ion: 43 Resp: 584793

Ion Ratio Lower Upper

43 100

58 39.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059985.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059985.D (-2528) (-)

9.97

300000

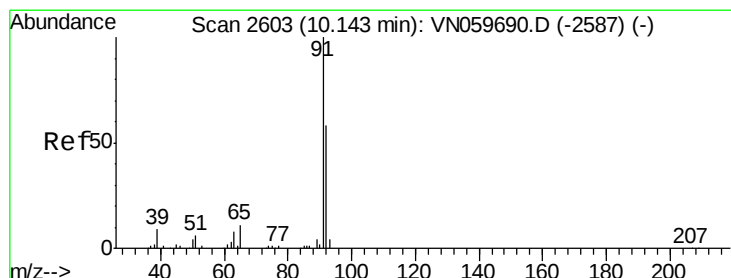
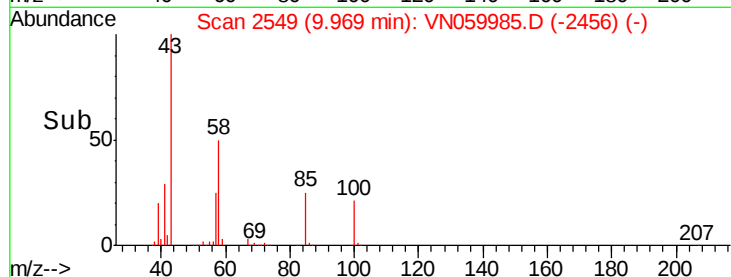
200000

100000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 49.033 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059985.D

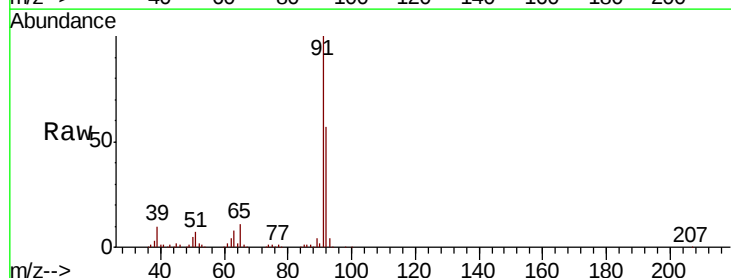
Acq: 4 Feb 2020 10:40

Tgt Ion: 92 Resp: 239451

Ion Ratio Lower Upper

92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059985.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059985.D (-2587) (-)

10.14

250000

200000

150000

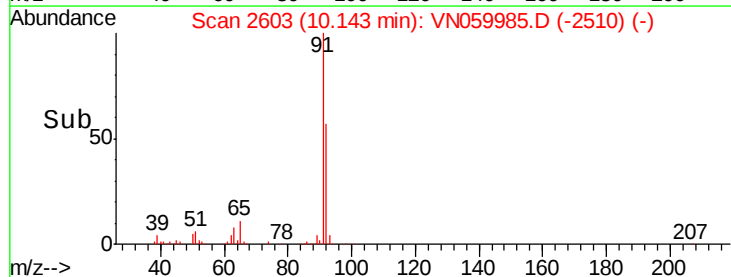
100000

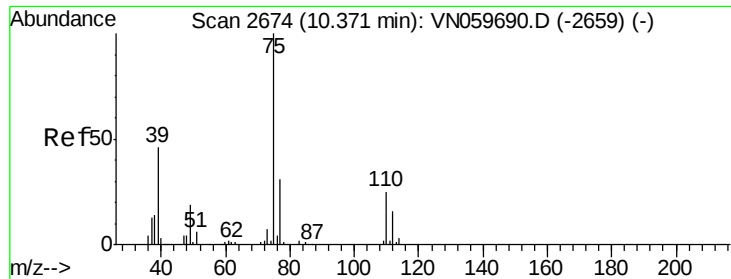
50000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.238 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampled :

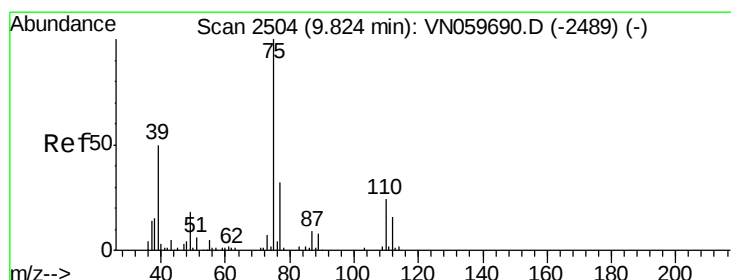
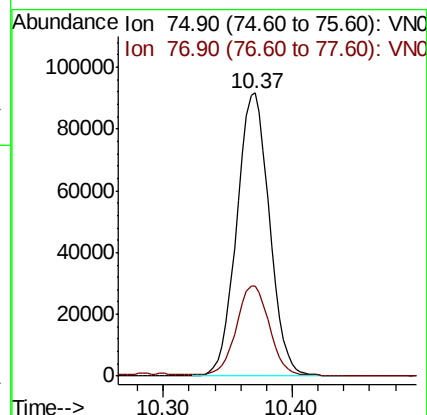
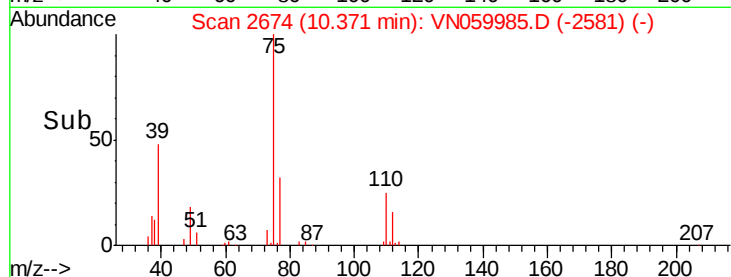
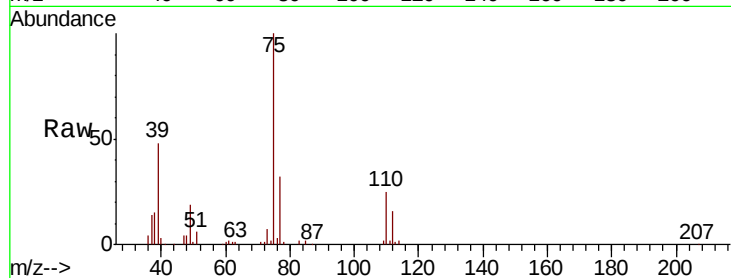
VSTDCCC050

Tot Ion: 75 Resp: 161662

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 51.919 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

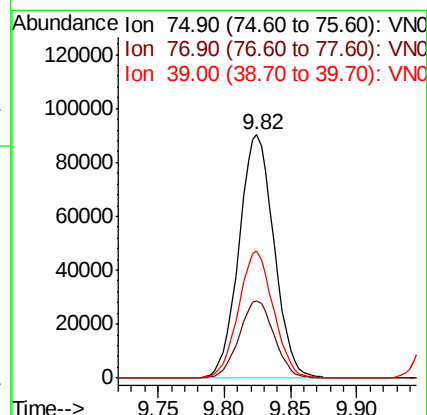
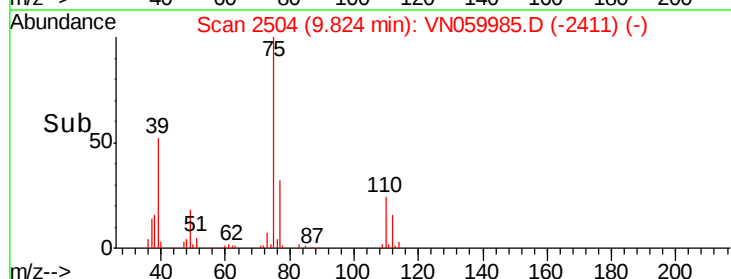
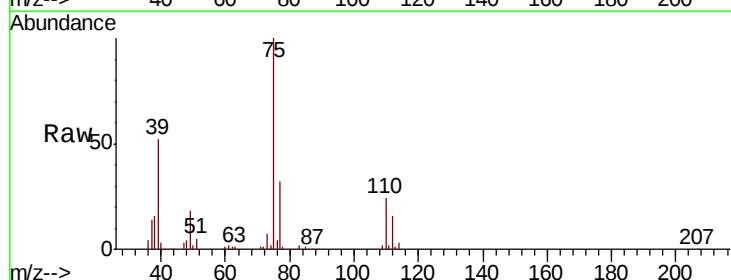
Tgt Ion: 75 Resp: 165884

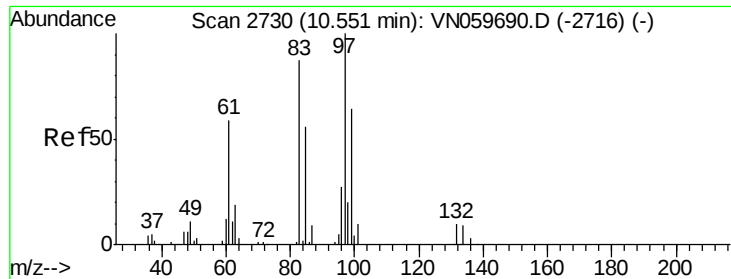
Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 52.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 51.354 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 99326

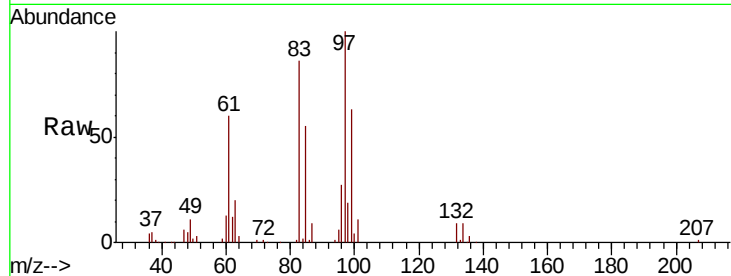
Ion Ratio Lower Upper

97 100

83 85.5 71.3 106.9

85 54.6 45.8 68.8

99 62.7 50.0 75.0



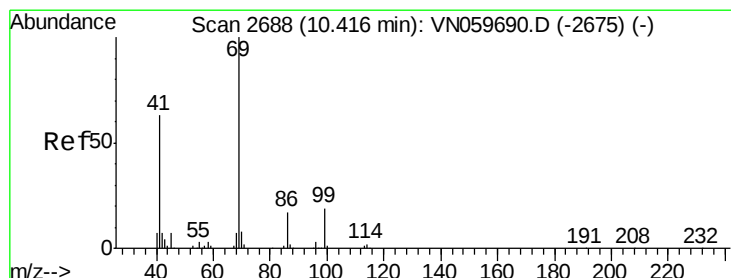
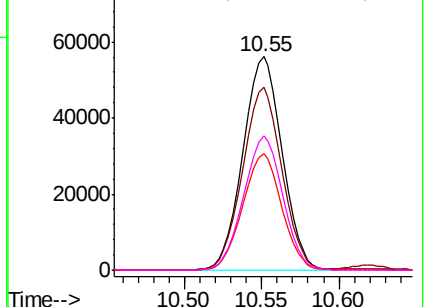
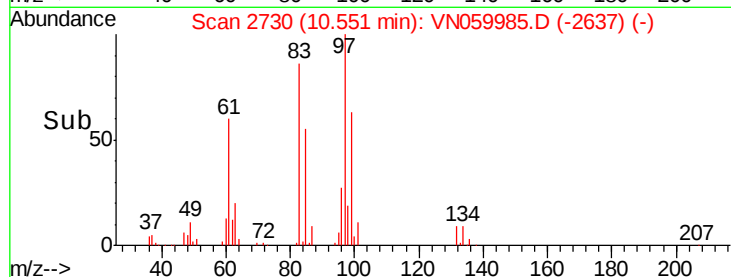
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.910 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

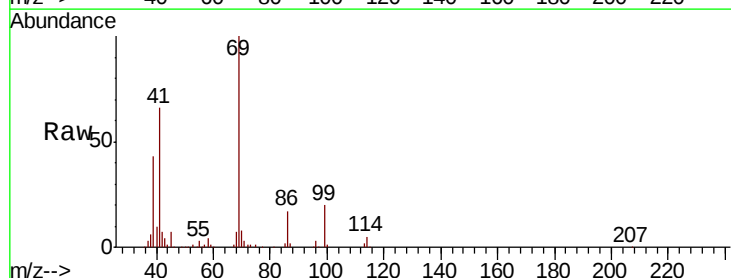
Tgt Ion: 69 Resp: 144548

Ion Ratio Lower Upper

69 100

41 64.8 57.1 85.7

39 42.4 34.7 52.1

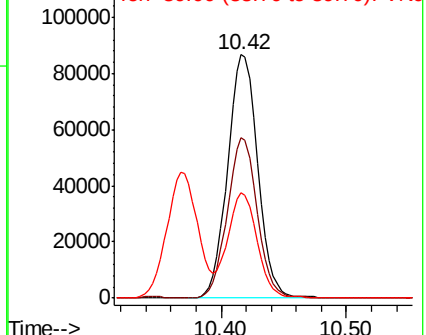
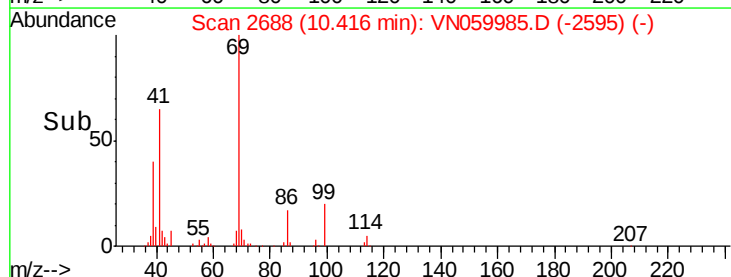


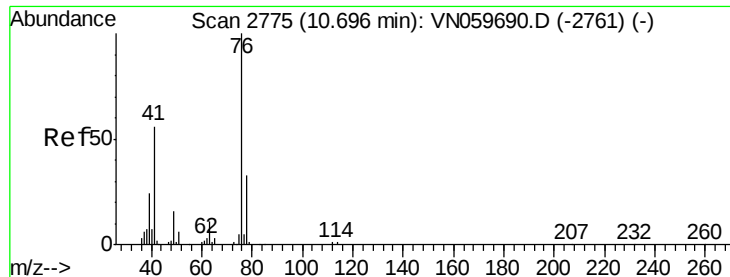
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

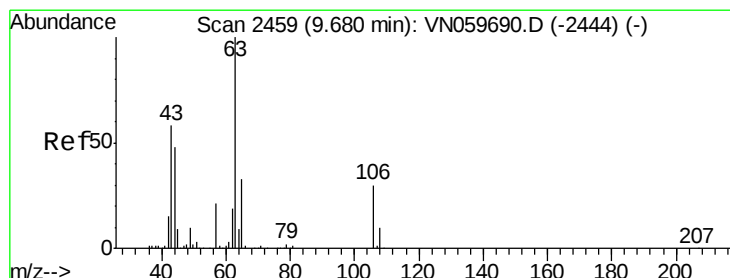
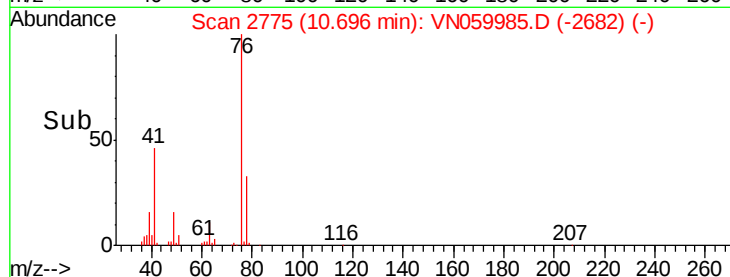
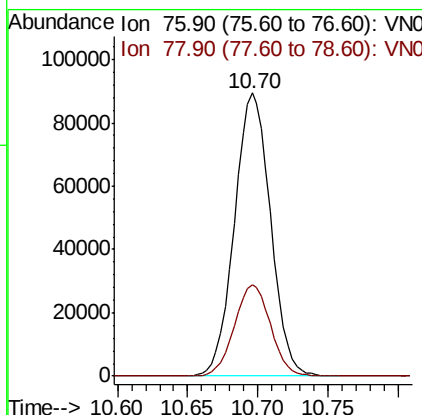
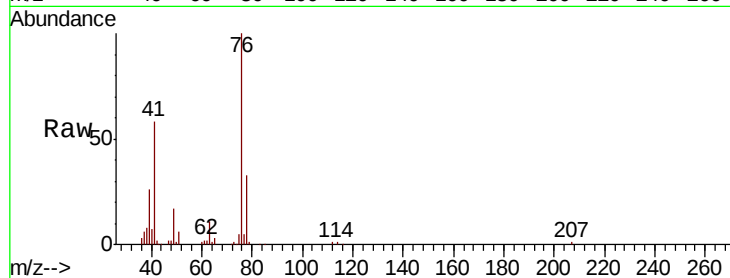




#57
 1,3-Dichloropropane
 Concen: 52.183 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

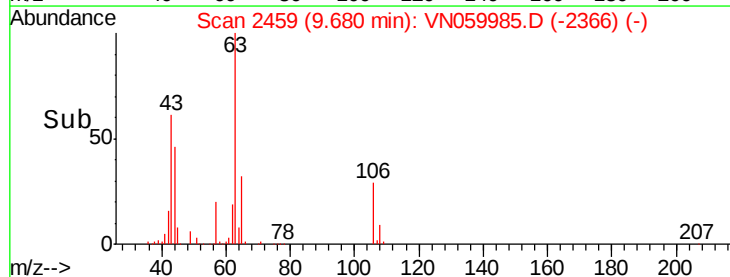
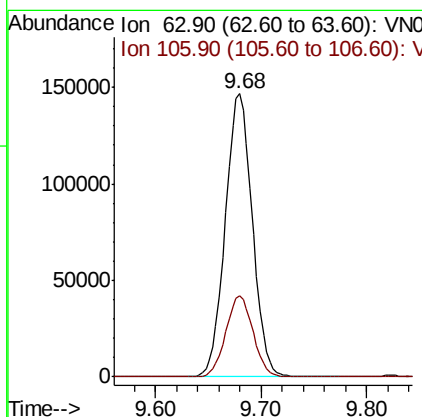
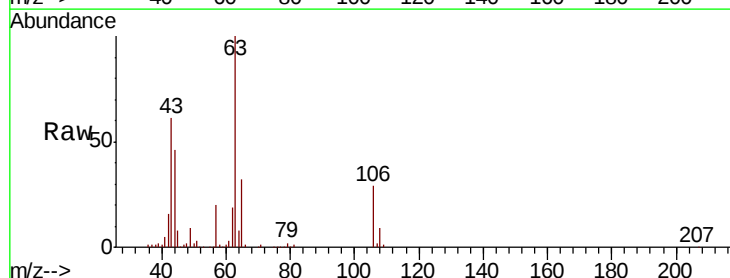
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

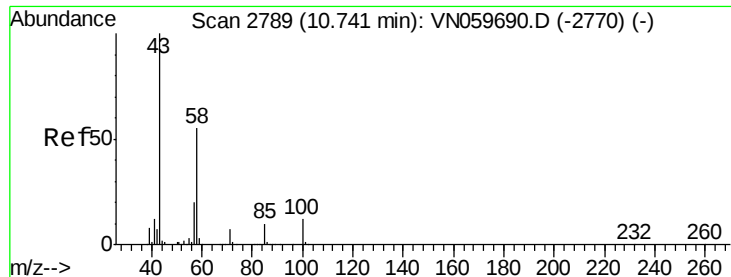
Tot Ion: 76 Resp: 160235
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.150 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 63 Resp: 260061
 Ion Ratio Lower Upper
 63 100
 106 28.8 20.2 30.2

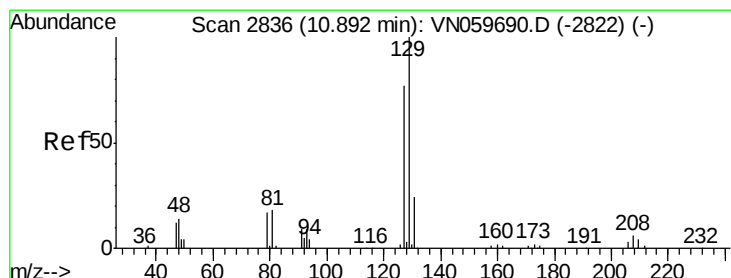
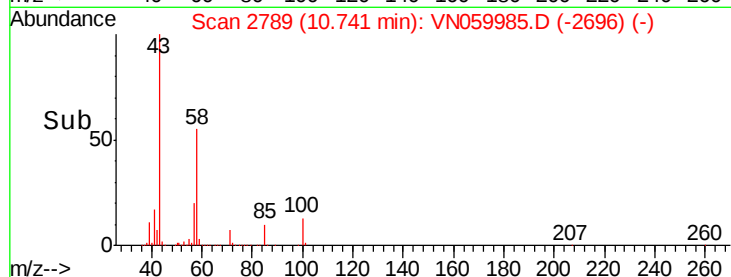
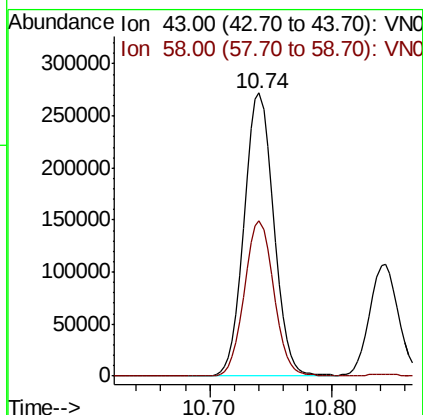
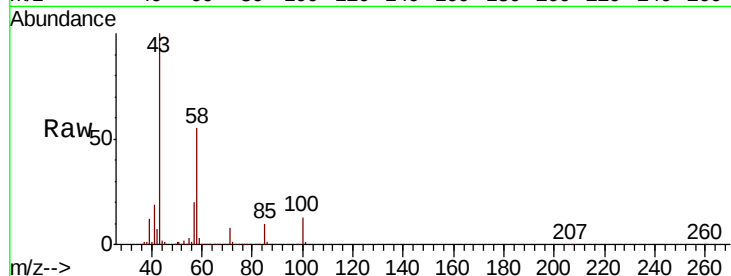




#59
2-Hexanone
Concen: 254.940 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

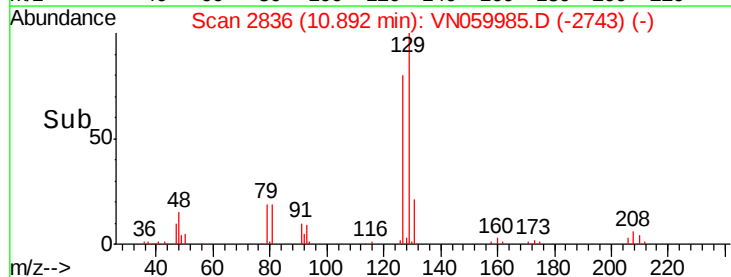
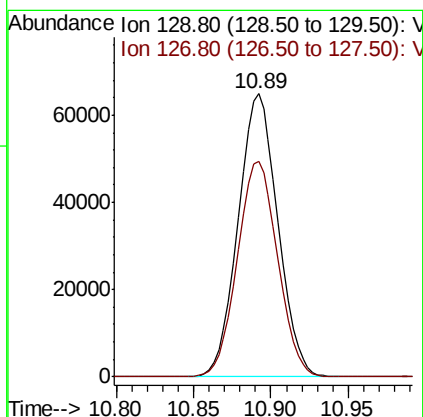
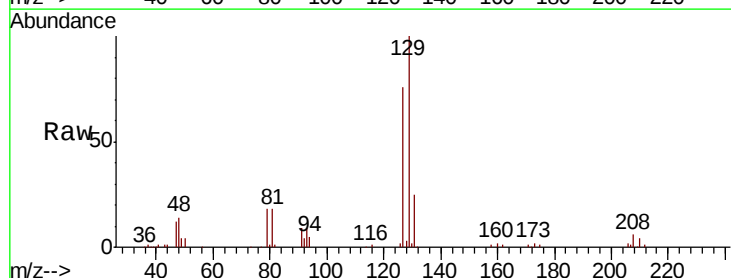
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

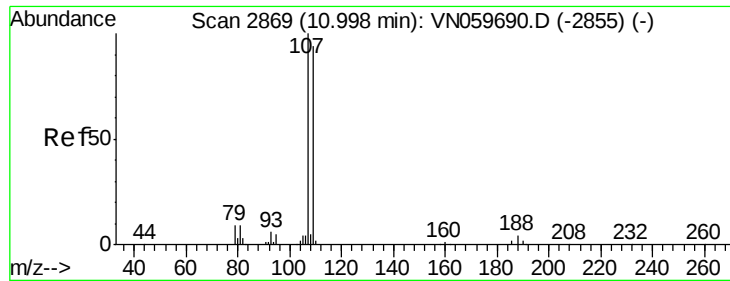
Tot Ion: 43 Resp: 454051
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3



#60
Dibromochloromethane
Concen: 52.538 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 129 Resp: 115715
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

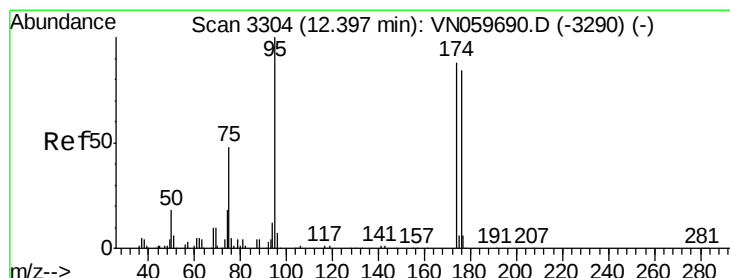
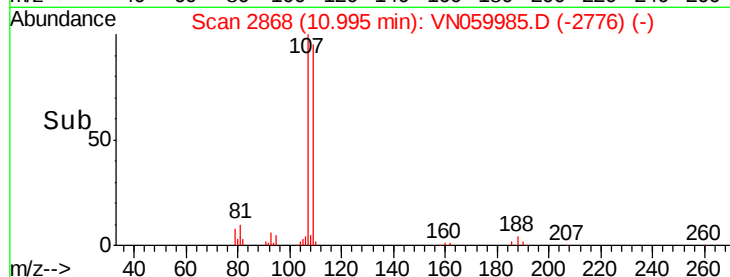
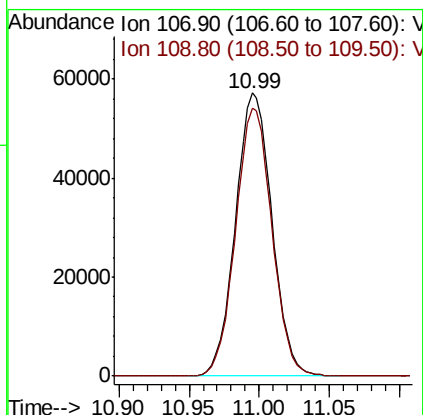
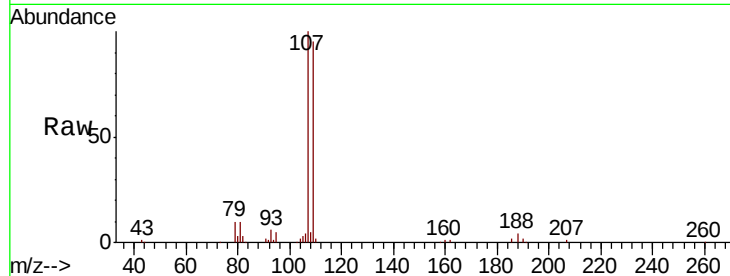




#61
 1,2-Dibromoethane
 Concen: 51.097 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

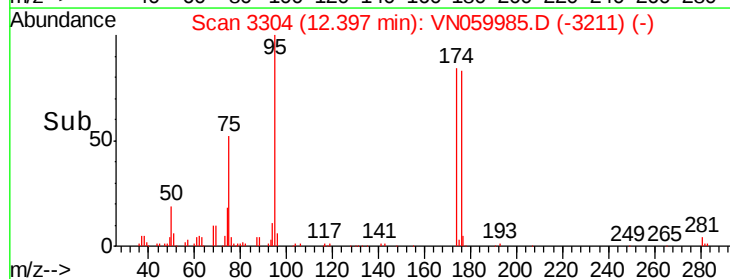
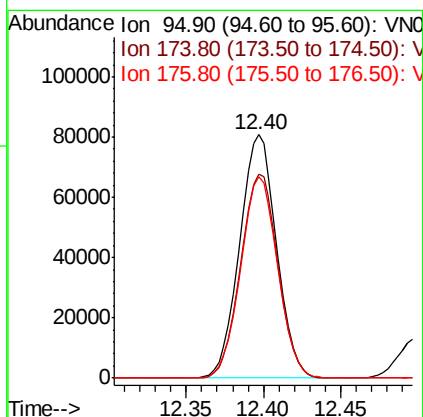
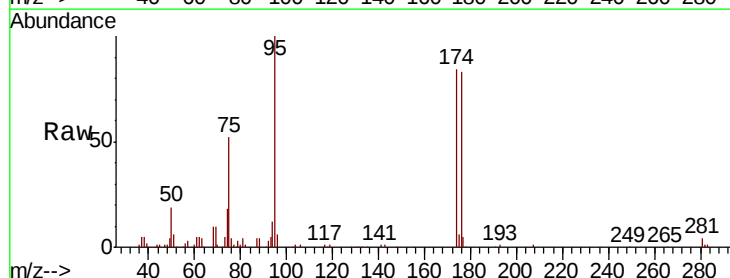
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

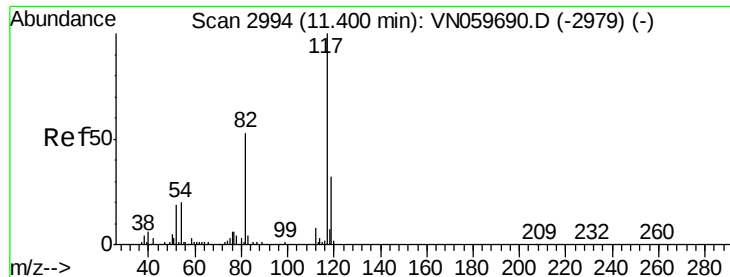
Tot Ion:107 Resp: 103584
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.928 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion: 95 Resp: 133716
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 151.4
 176 83.2 0.0 146.0

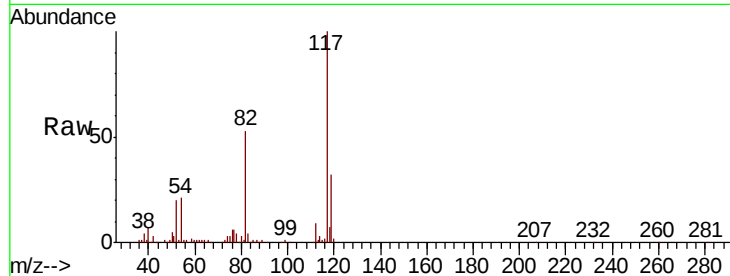




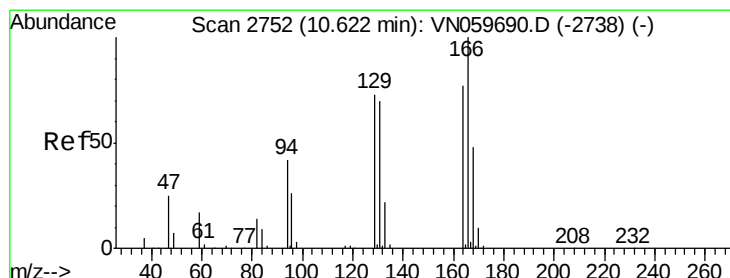
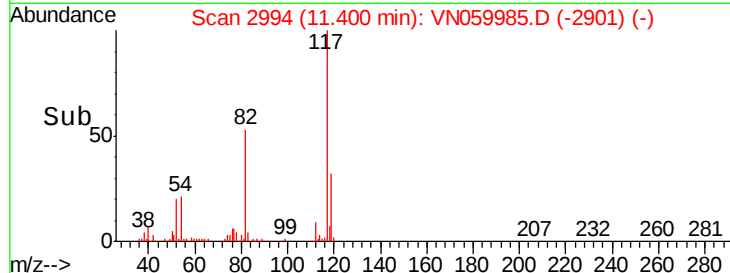
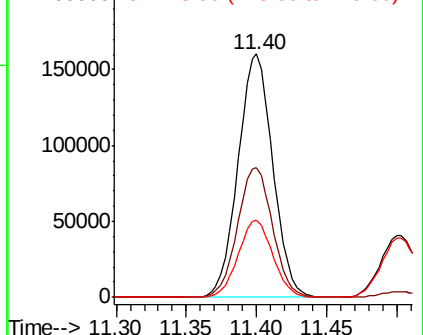
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 276636
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.6 25.5 38.3

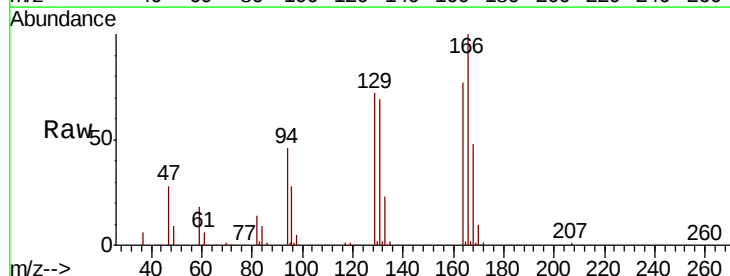


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

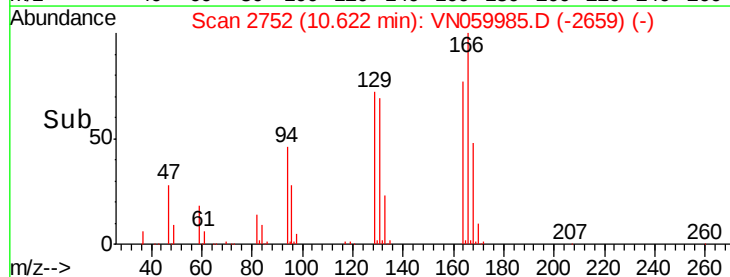
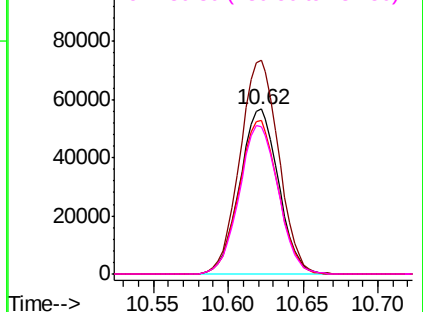


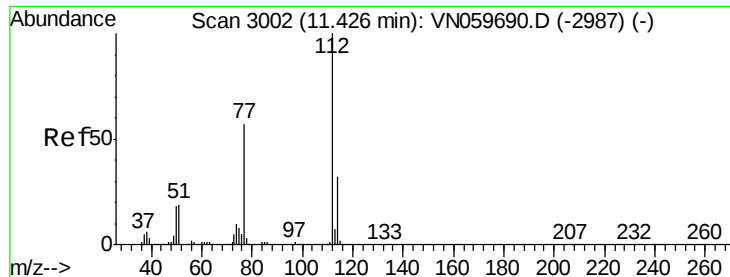
#64
Tetrachloroethene
Concen: 45.303 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion:164 Resp: 102140
Ion Ratio Lower Upper
164 100
166 129.7 101.4 152.0
129 93.0 80.2 120.4
131 89.7 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.386 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

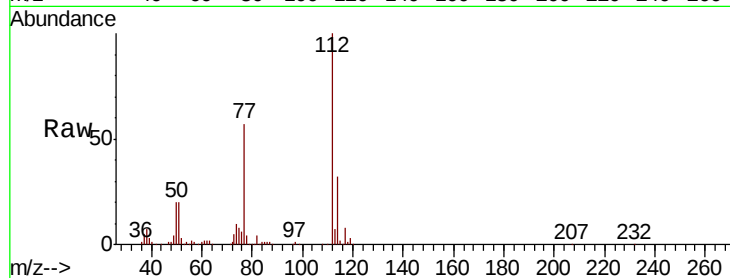
VSTDCCC050

Tot Ion:112 Resp: 268531

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

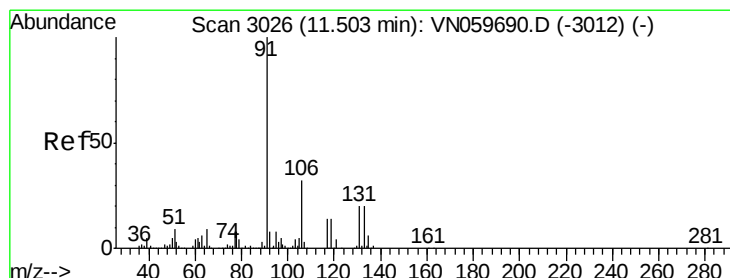
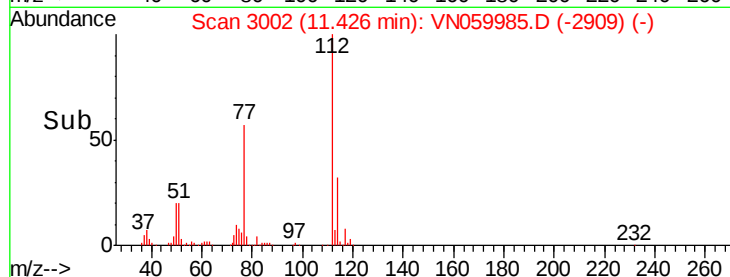
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 50.628 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

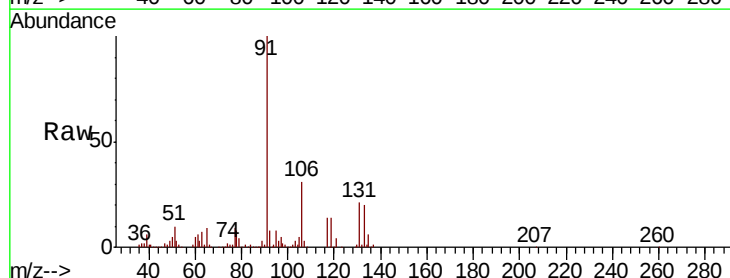
Tgt Ion:131 Resp: 106369

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.2

119 65.5 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

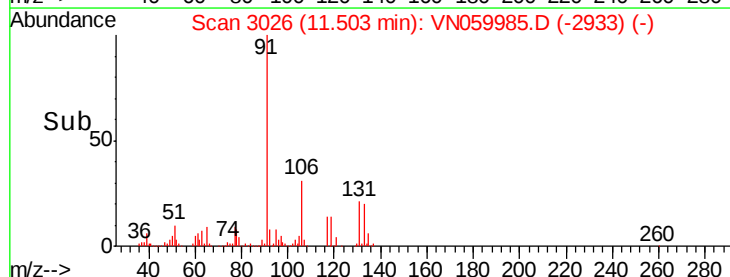
40000

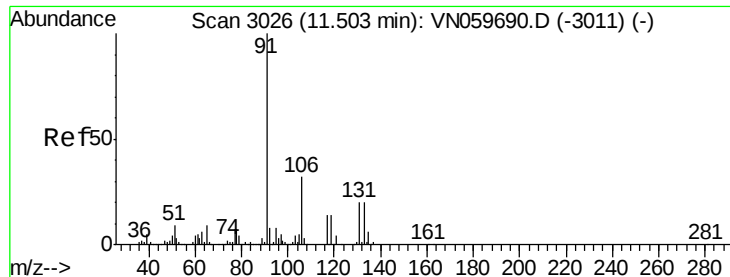
20000

0

Time-->

11.45 11.50 11.55

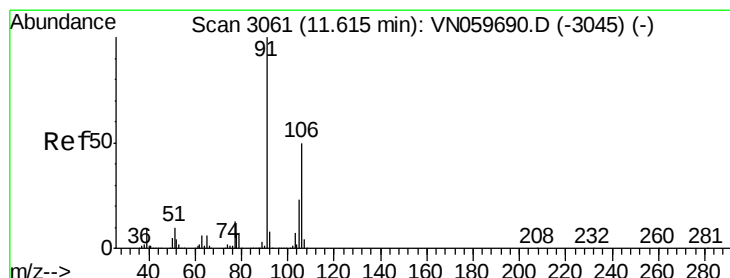
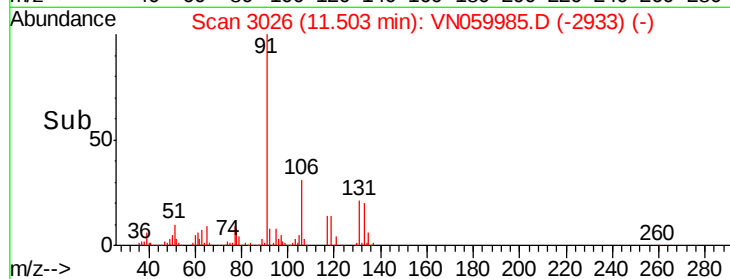
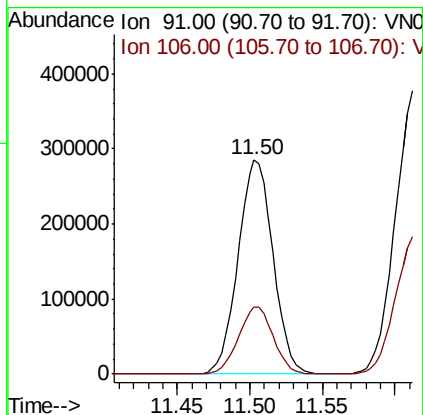
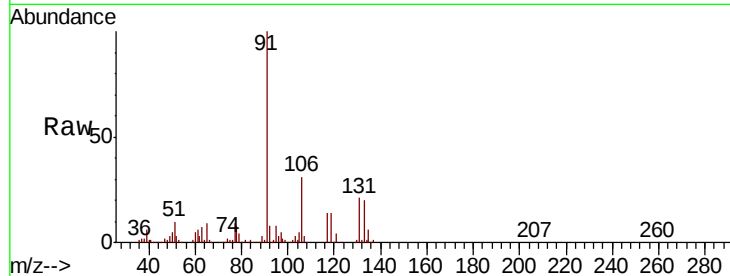




#67
Ethyl Benzene
Concen: 48.361 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

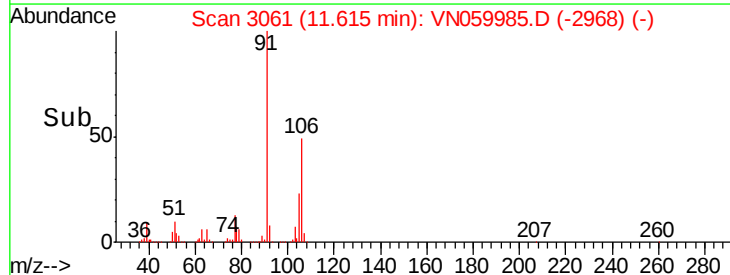
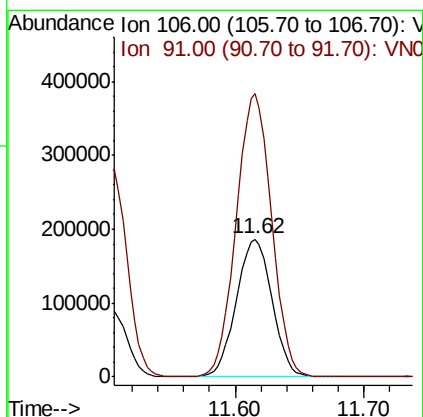
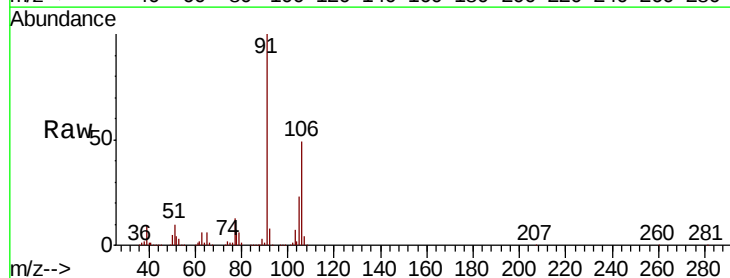
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

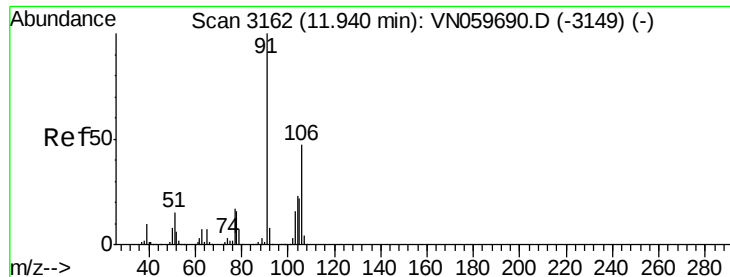
Tot Ion: 91 Resp: 477353
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1



#68
m/p-Xylenes
Concen: 96.137 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 106 Resp: 358450
Ion Ratio Lower Upper
106 100
91 203.9 167.9 251.9

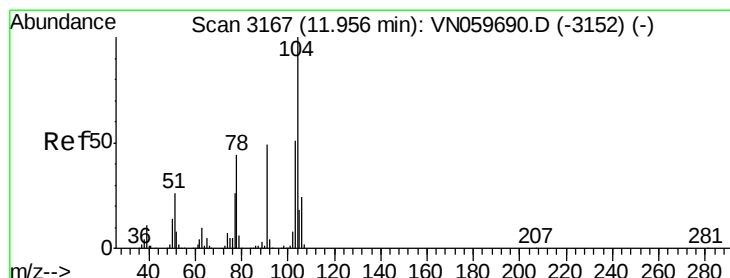
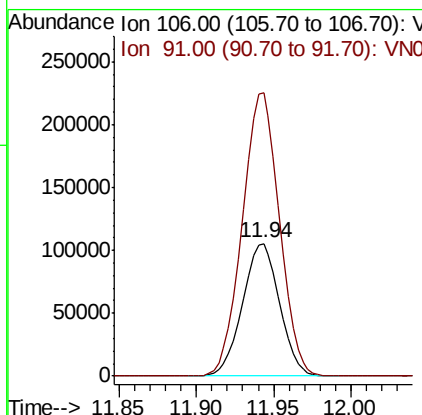
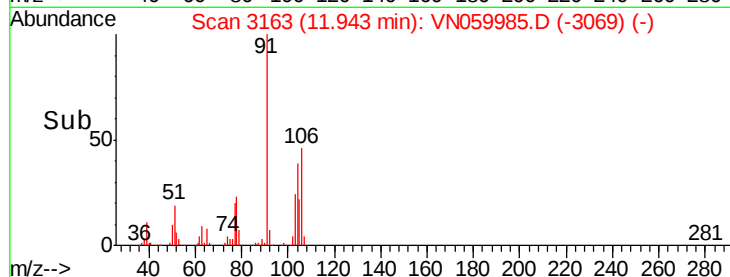
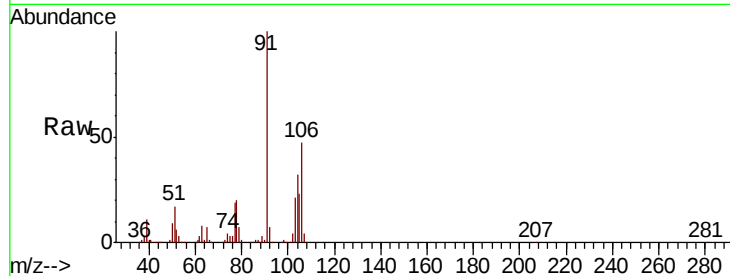




#69
o-Xylene
Concen: 48.318 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

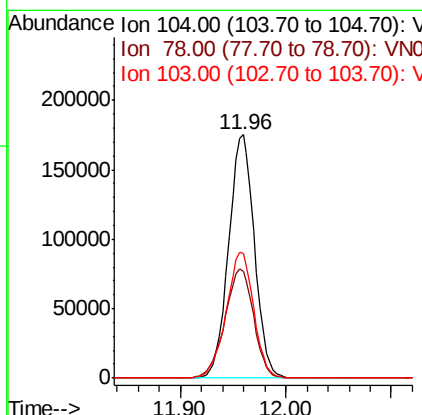
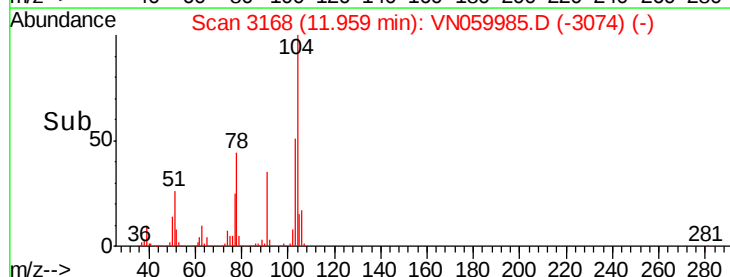
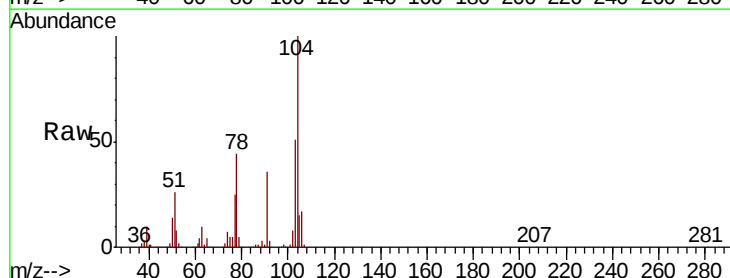
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

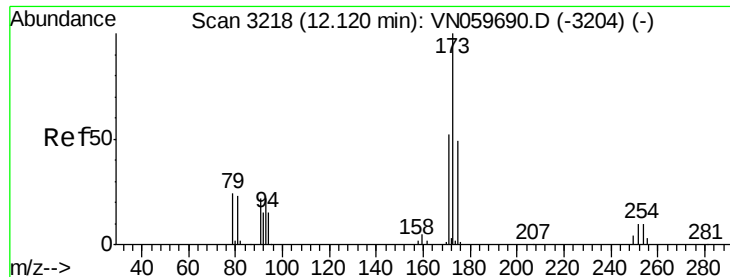
Tot Ion:106 Resp: 176373
Ion Ratio Lower Upper
106 100
91 213.8 110.3 330.9



#70
Styrene
Concen: 48.499 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion:104 Resp: 296240
Ion Ratio Lower Upper
104 100
78 49.7 42.4 63.6
103 55.0 43.9 65.9





#71

Bromoform

Concen: 51.949 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

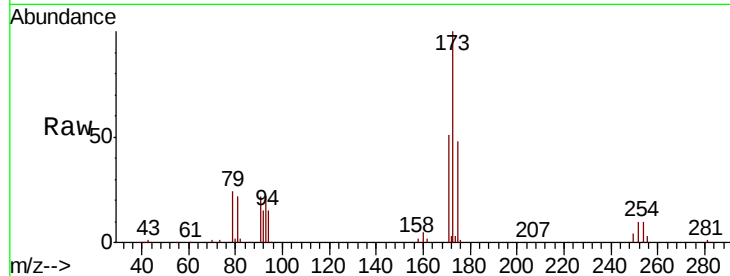
Tot Ion:173 Resp: 87427

Ion Ratio Lower Upper

173 100

175 48.9 23.8 71.4

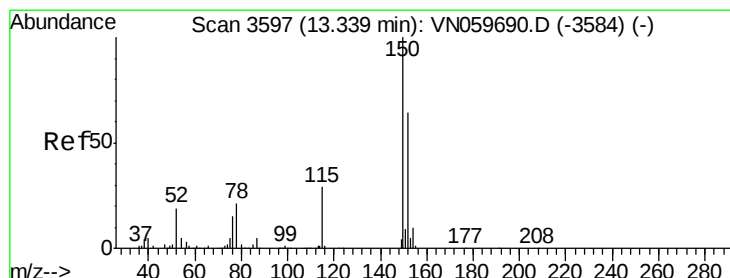
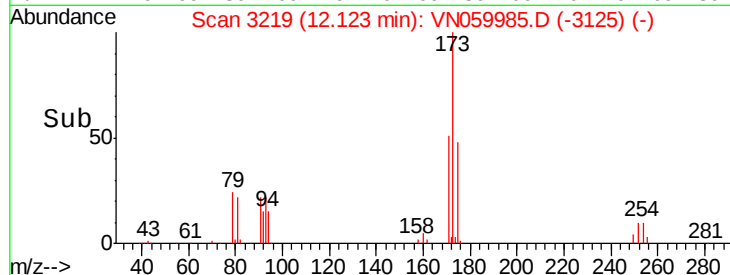
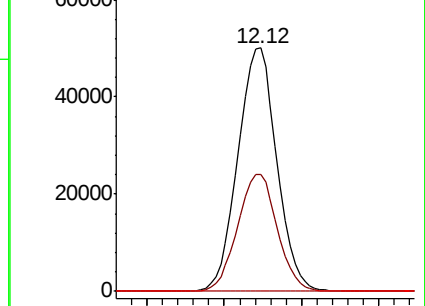
254 0.0 0.0 0.0



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: VN059985.D

Acq: 4 Feb 2020 10:40

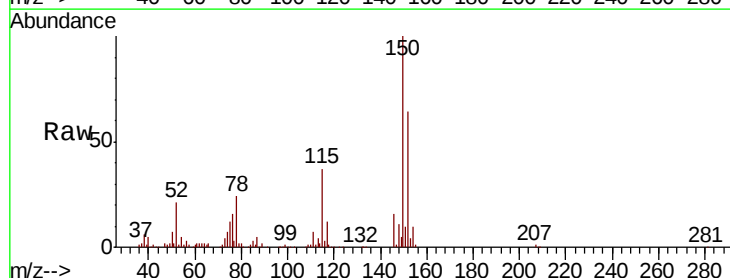
Tgt Ion:152 Resp: 139904

Ion Ratio Lower Upper

152 100

115 58.4 30.3 90.9

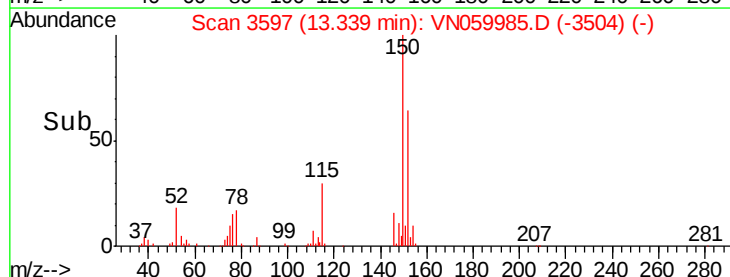
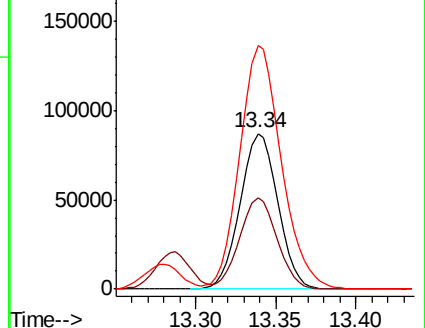
150 173.1 0.0 345.2

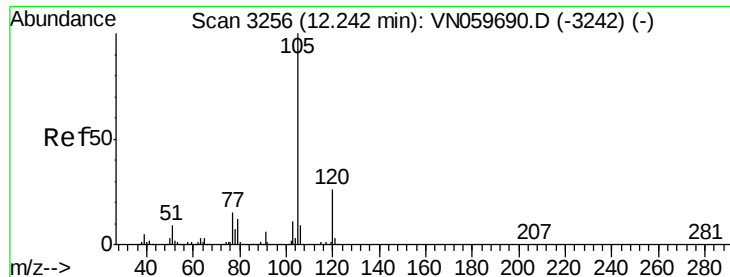


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.682 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

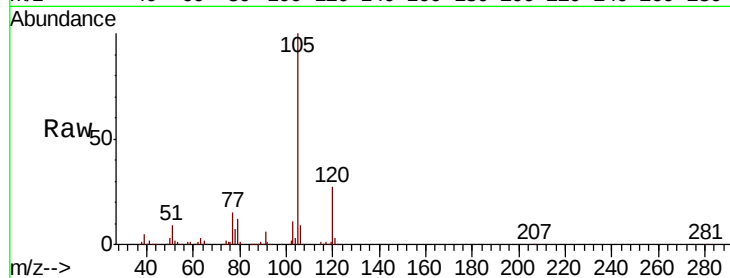
VSTDCCC050

Tot Ion:105 Resp: 478983

Ion Ratio Lower Upper

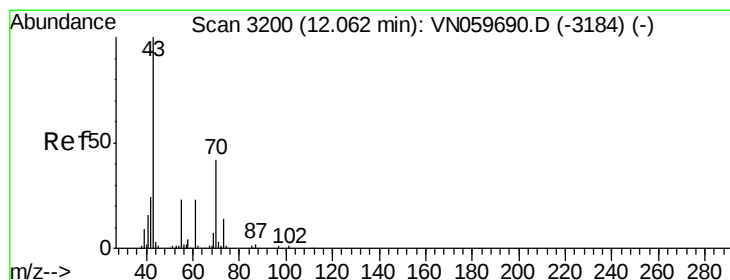
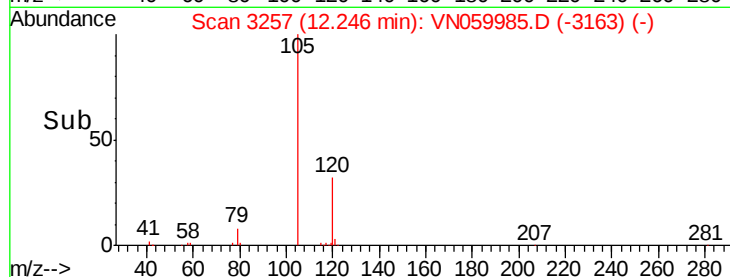
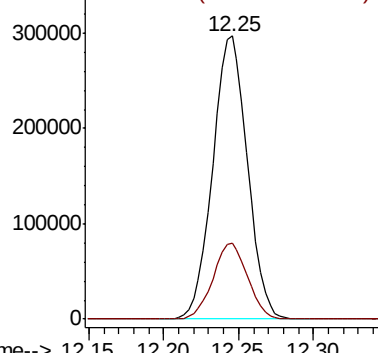
105 100

120 26.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.832 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Tgt Ion: 43 Resp: 182473

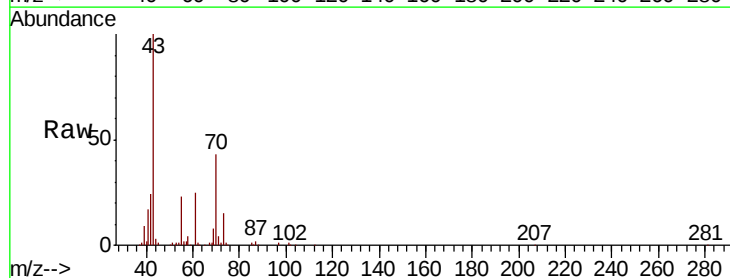
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 23.6 19.8 29.6

61 24.8 18.3 27.5

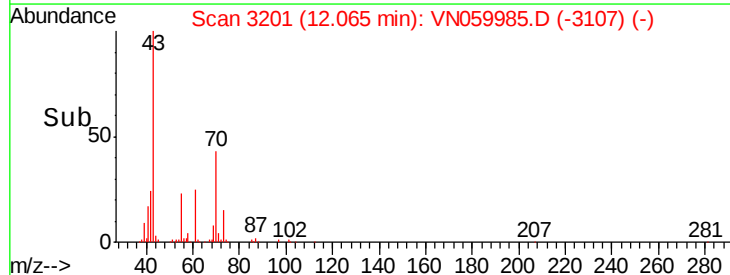
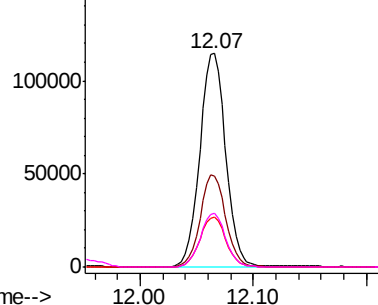


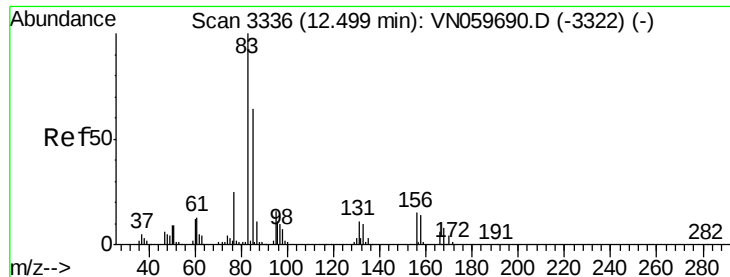
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 47.231 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

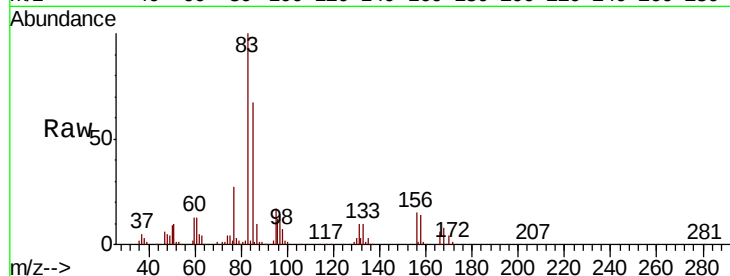
Tot Ion: 83 Resp: 140488

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

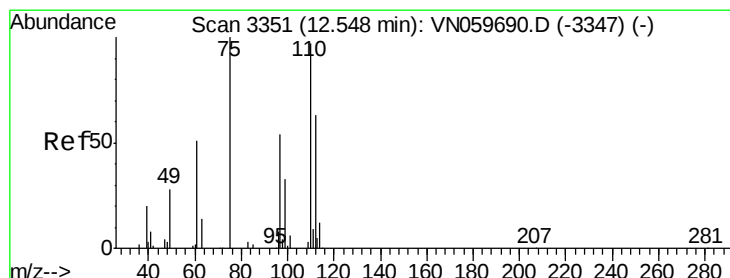
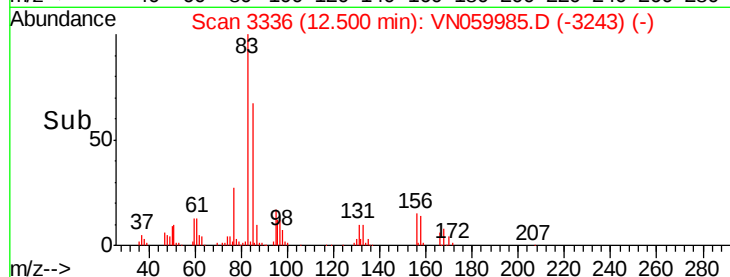
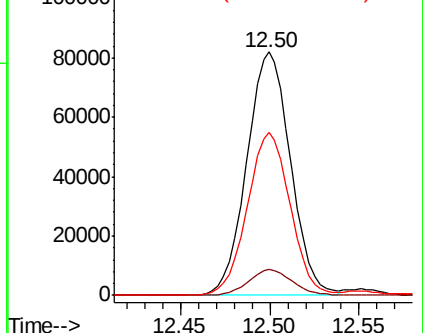
85 65.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059985.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059985.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059985.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 80.736 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059985.D

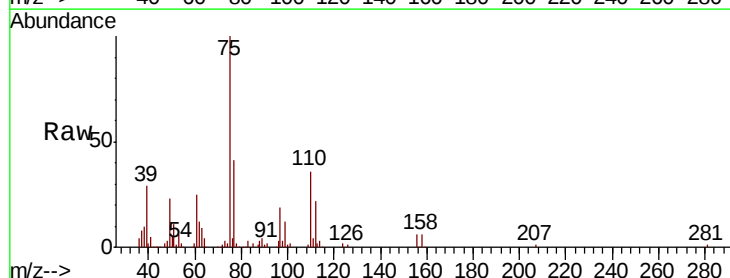
Acq: 4 Feb 2020 10:40

Tgt Ion: 75 Resp: 190088

Ion Ratio Lower Upper

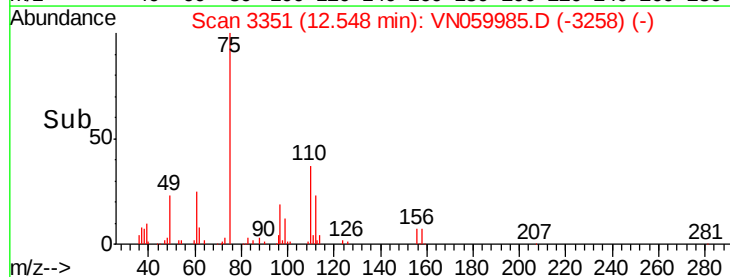
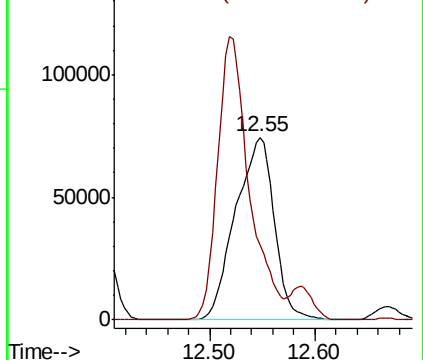
75 100

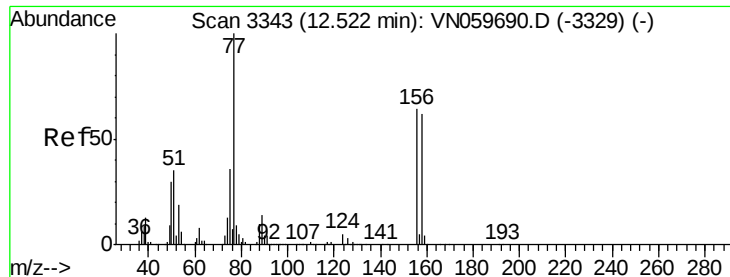
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059985.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059985.D (-3258) (-)





#77

Bromobenzene

Concen: 47.547 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

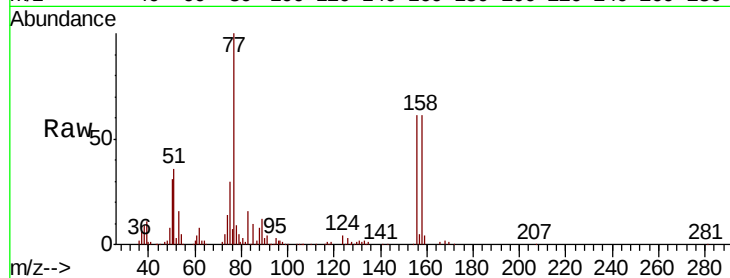
Tot Ion:156 Resp: 123544

Ion Ratio Lower Upper

156 100

77 194.8 115.8 347.4

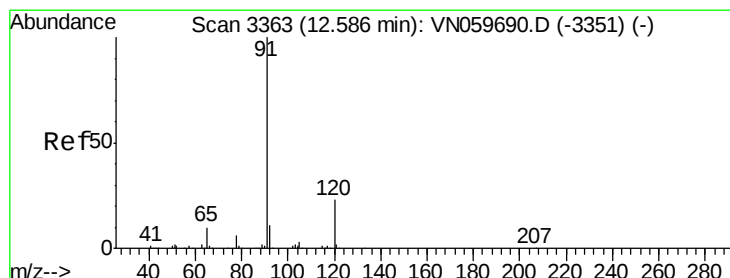
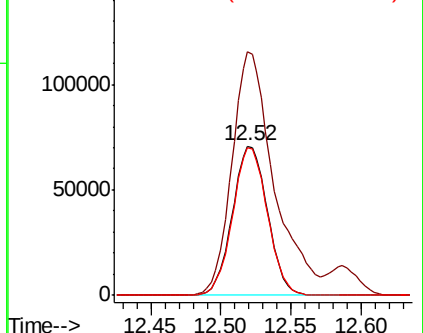
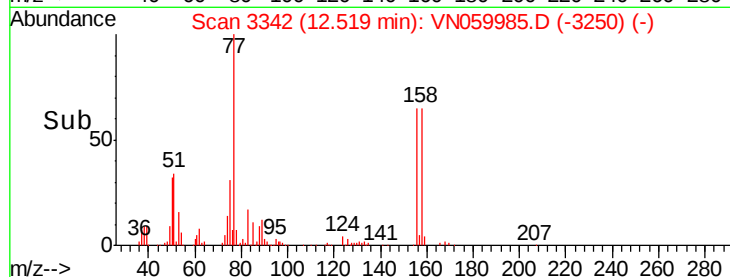
158 97.9 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.538 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059985.D

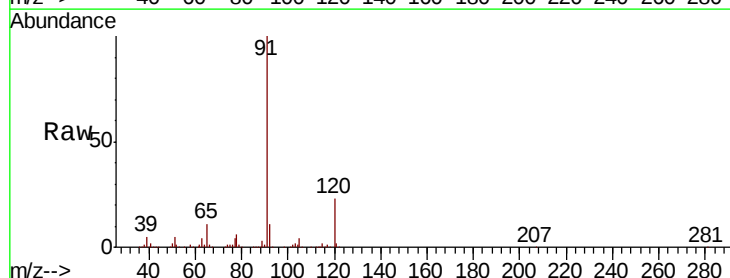
Acq: 4 Feb 2020 10:40

Tgt Ion: 91 Resp: 547468

Ion Ratio Lower Upper

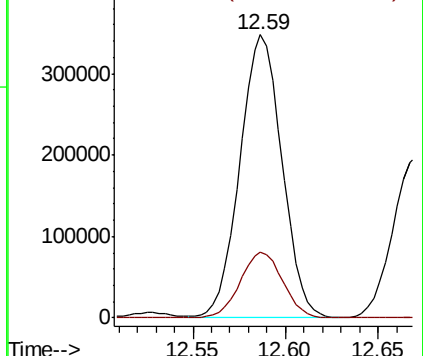
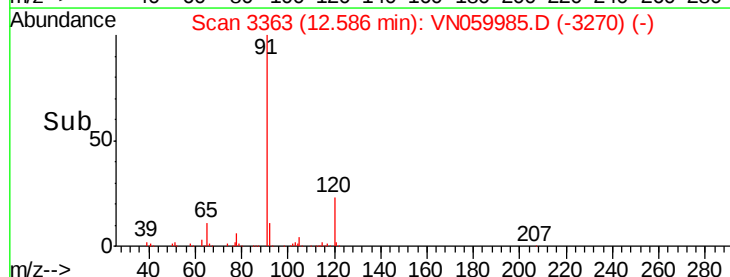
91 100

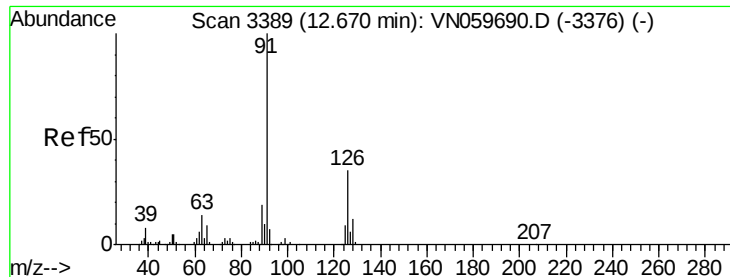
120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.237 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

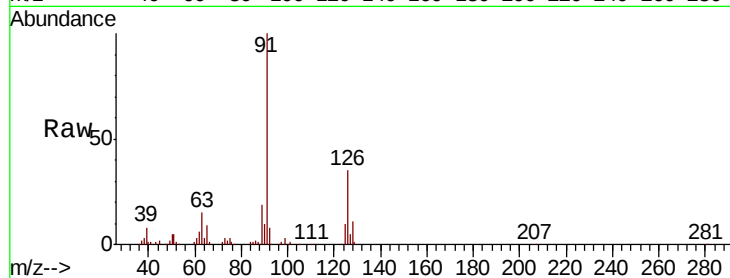
VSTDCCC050

Tot Ion: 91 Resp: 323623

Ion Ratio Lower Upper

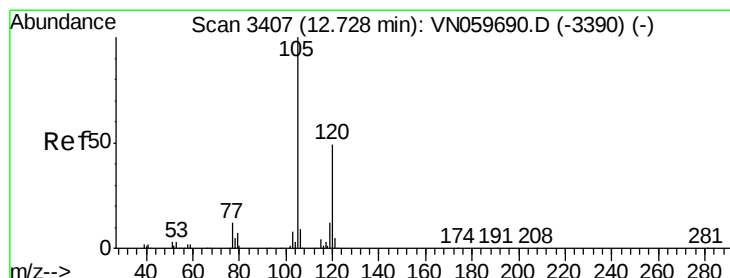
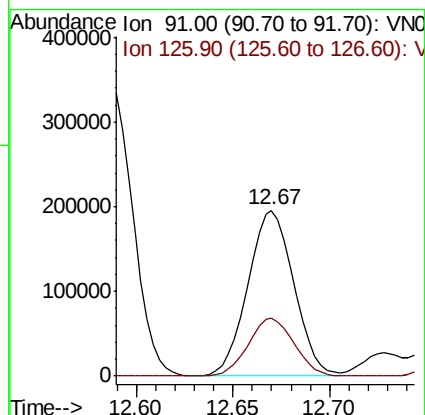
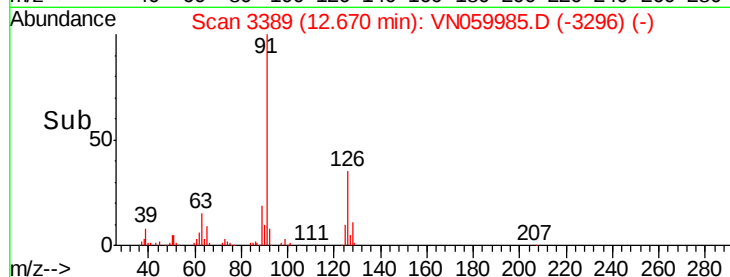
91 100

126 34.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059985.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059985.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.532 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059985.D

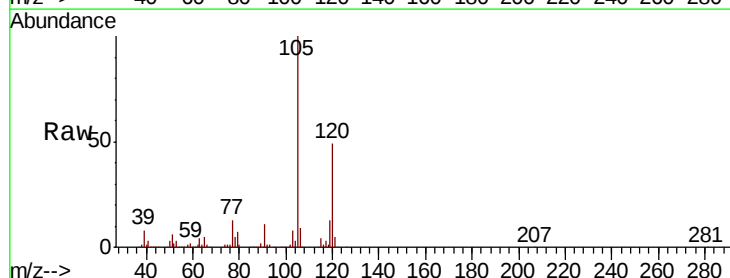
Acq: 4 Feb 2020 10:40

Tgt Ion: 105 Resp: 401530

Ion Ratio Lower Upper

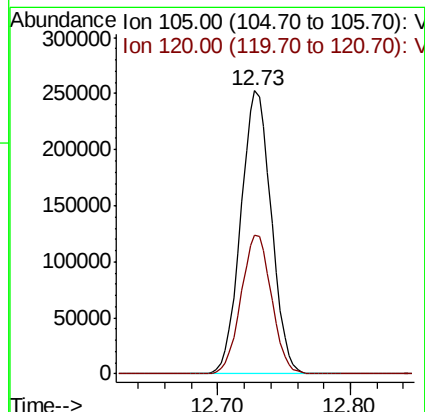
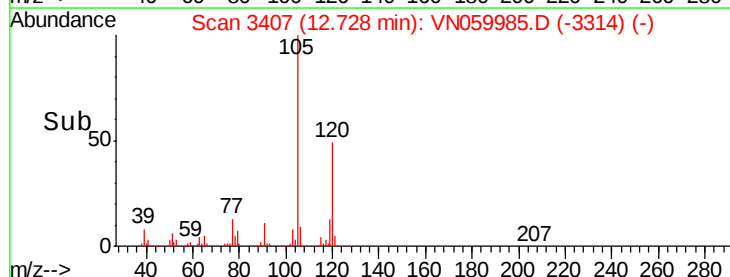
105 100

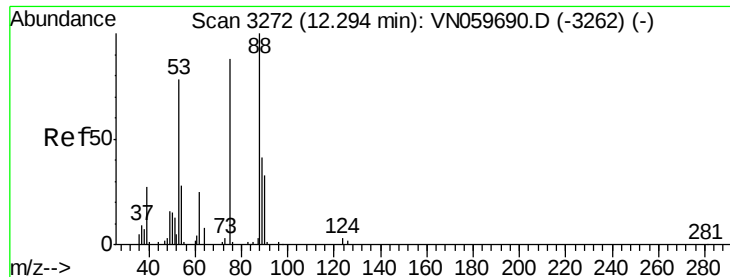
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059985.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059985.D (-3390) (-)

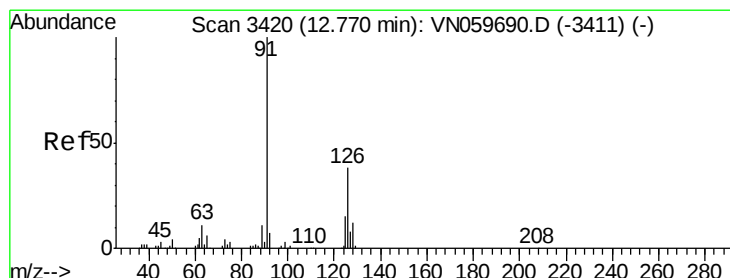
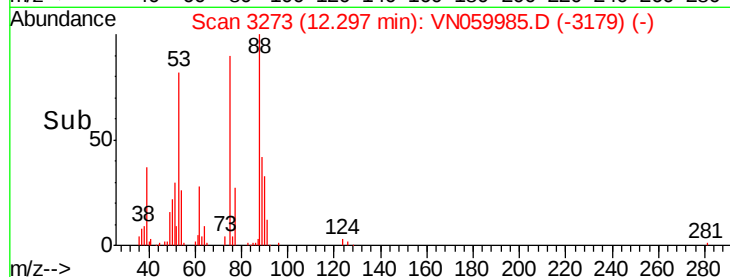
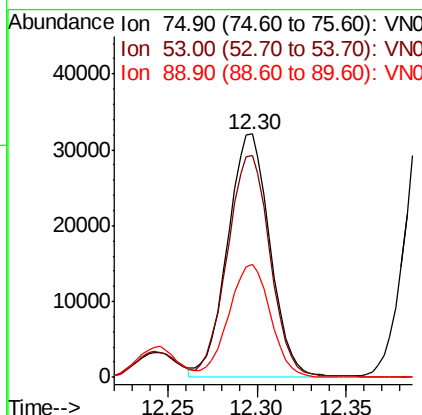
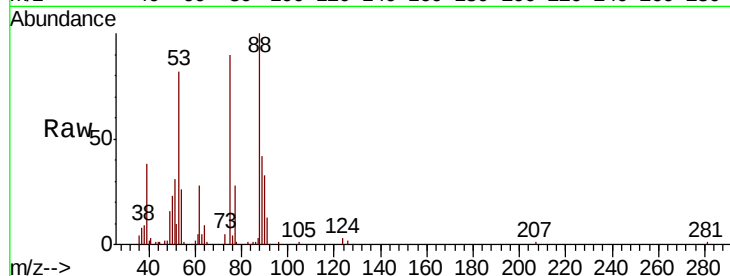




#81
trans-1,4-Dichloro-2-butene
Concen: 48.686 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

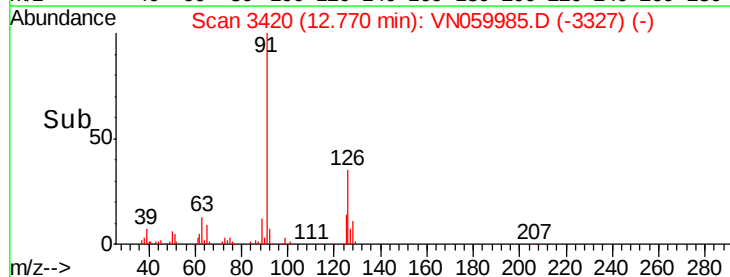
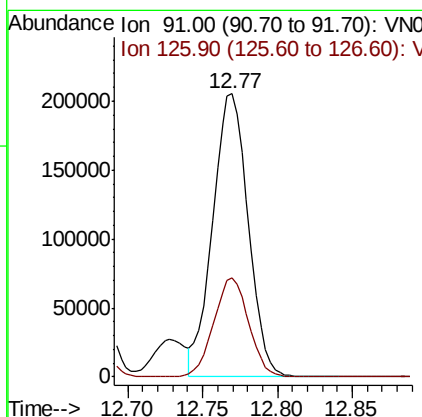
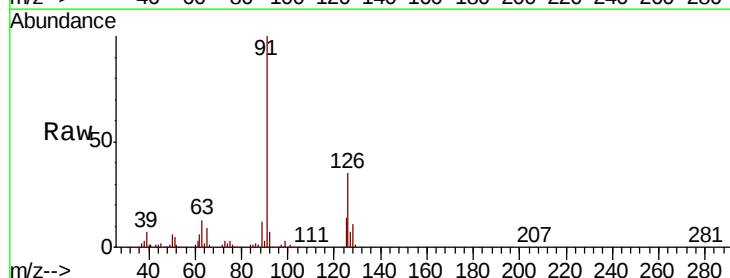
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

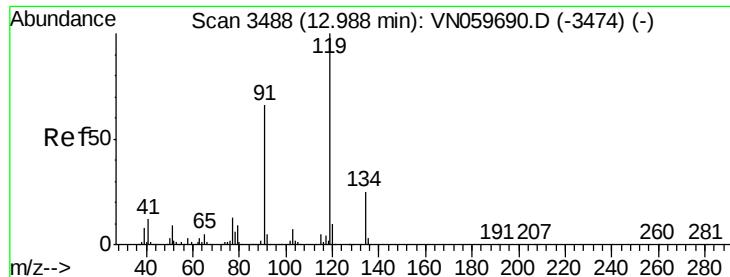
Tot Ion: 75 Resp: 53377
Ion Ratio Lower Upper
75 100
53 92.2 78.1 117.1
89 45.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 49.200 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 91 Resp: 338093
Ion Ratio Lower Upper
91 100
126 34.5 16.3 48.8

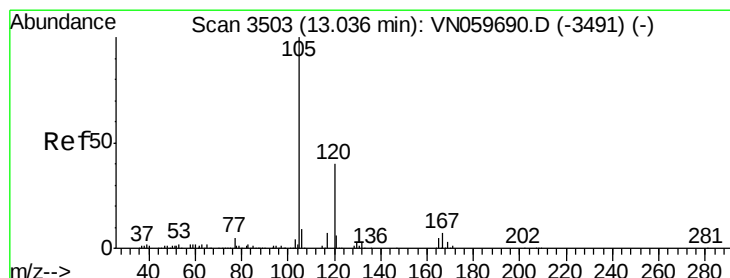
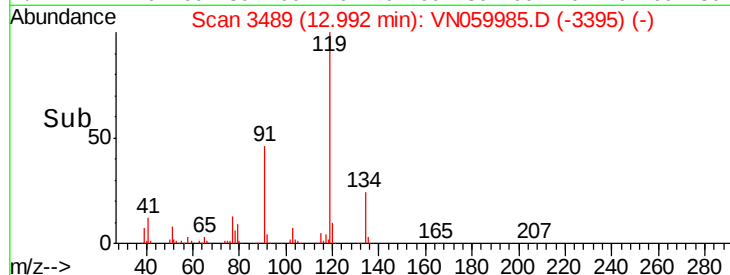
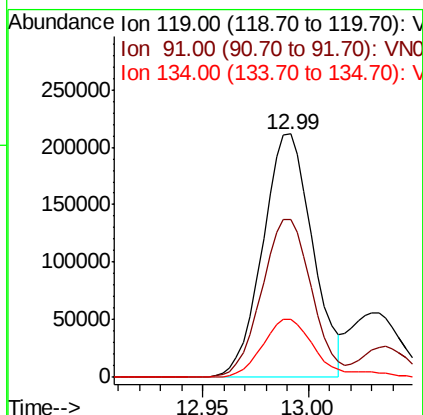
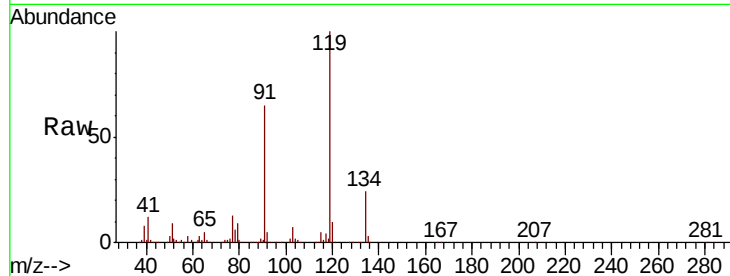




#83
tert-Butylbenzene
Concen: 46.615 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

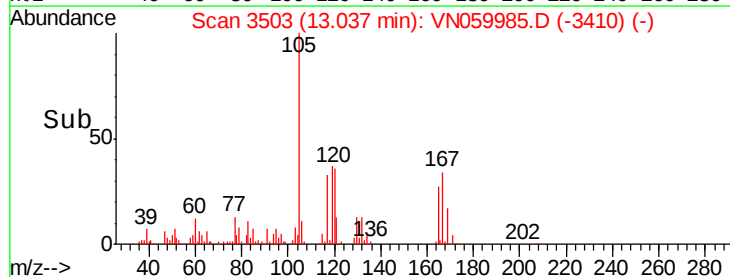
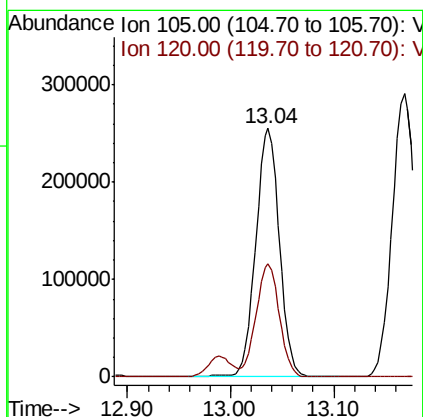
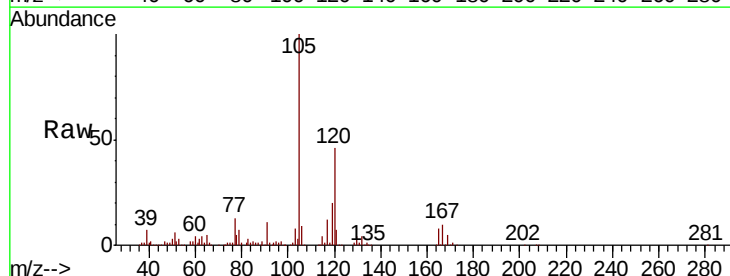
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

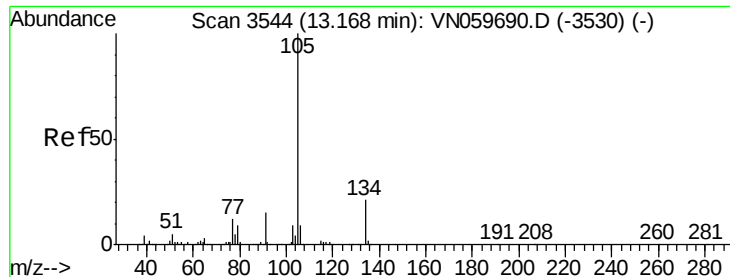
Tot Ion:119 Resp: 347889
Ion Ratio Lower Upper
119 100
91 64.8 34.8 104.4
134 24.3 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 47.368 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion:105 Resp: 404374
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 46.972 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

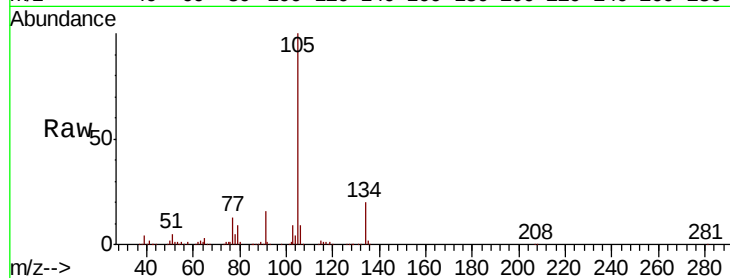
VSTDCCC050

Tot Ion:105 Resp: 460571

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

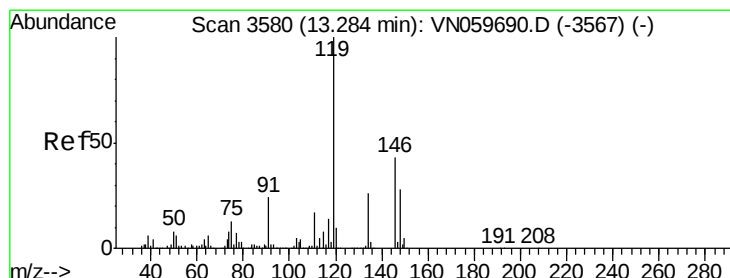
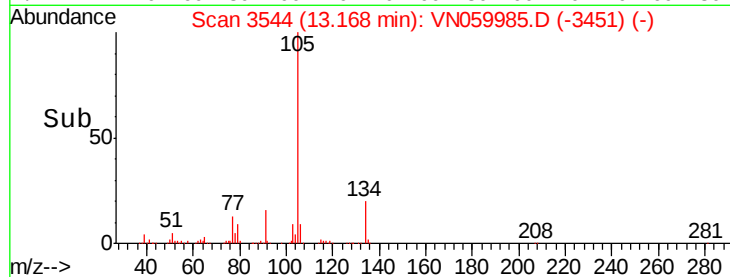
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.897 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

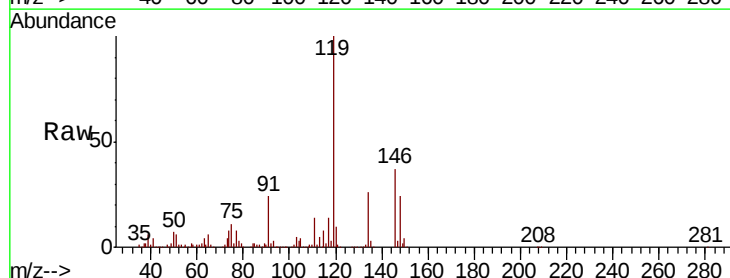
Tgt Ion:119 Resp: 425491

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

91 23.9 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

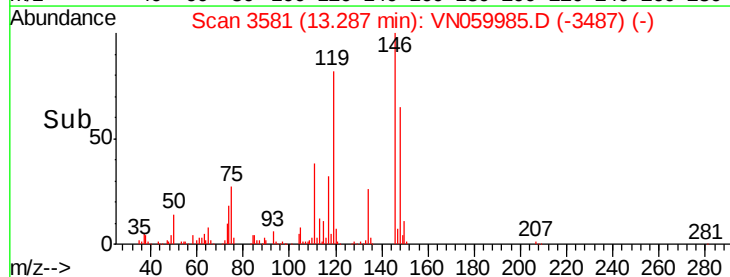
300000

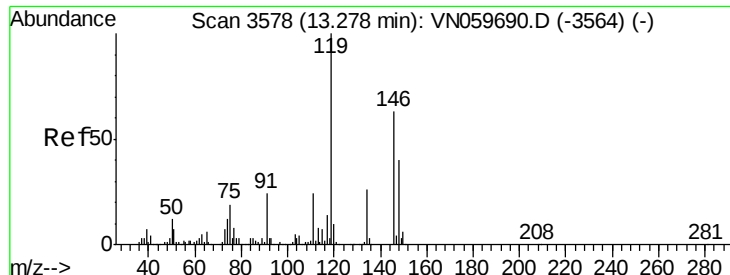
200000

100000

0

Time-->

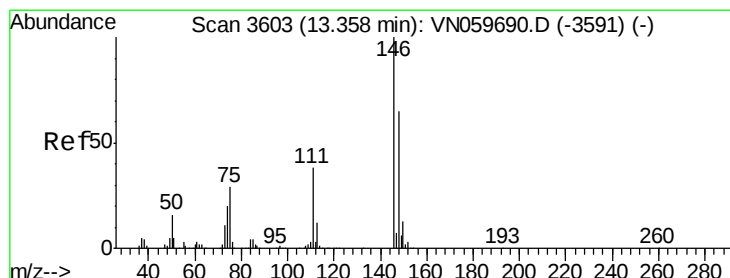
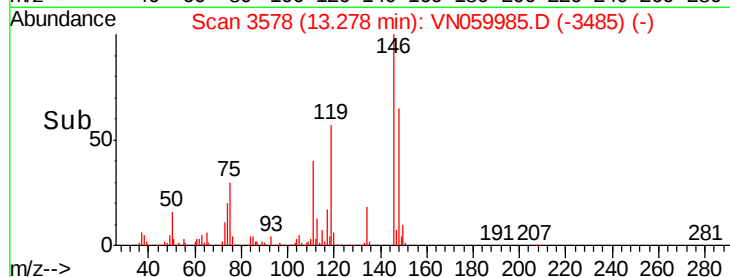
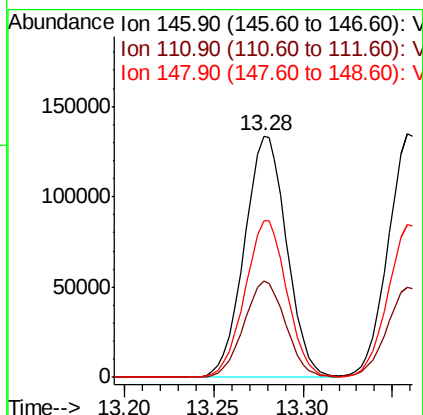
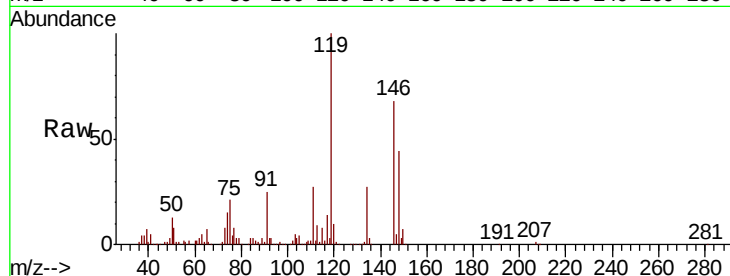




#87
 1,3-Dichlorobenzene
 Concen: 49.086 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

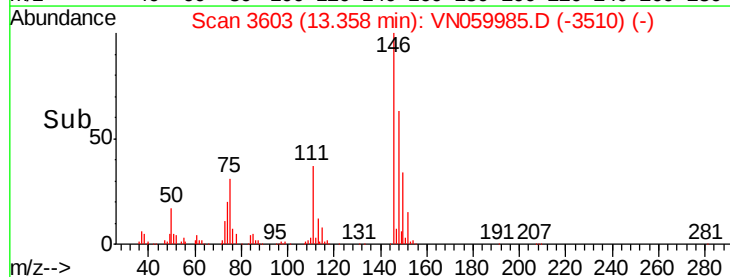
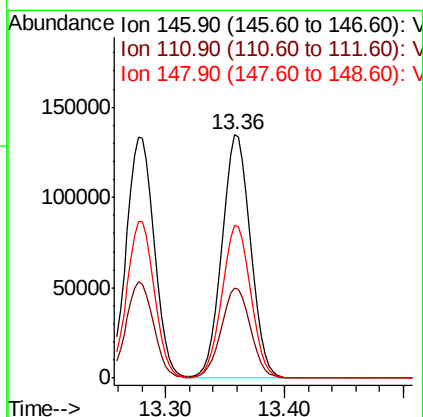
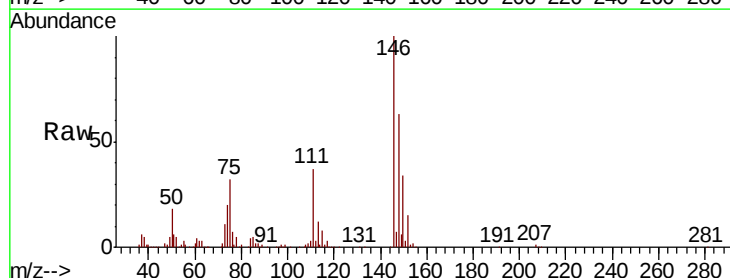
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

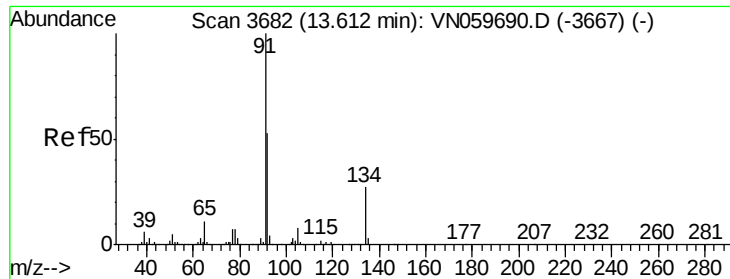
Tot Ion:146 Resp: 221548
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.8 62.2
 148 64.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.876 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion:146 Resp: 224574
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.8 62.2
 148 62.9 31.8 95.4

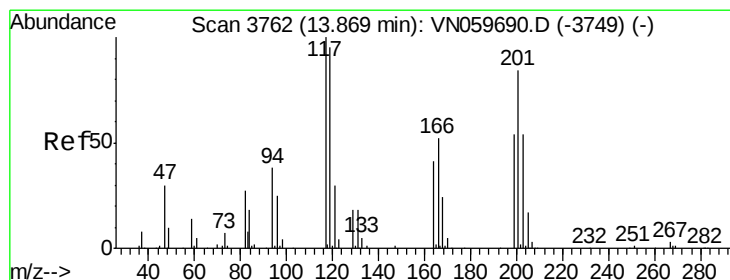
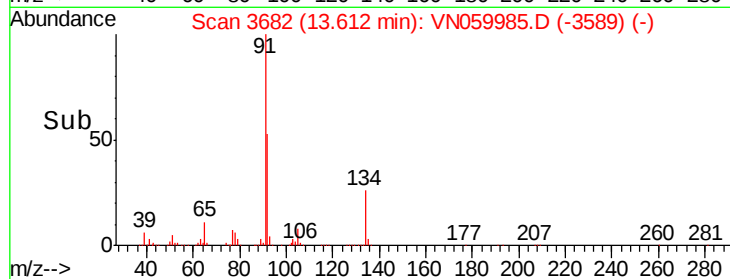
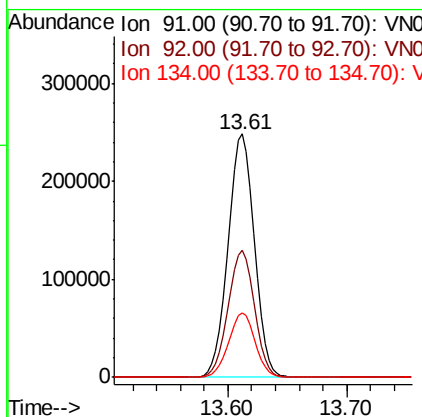
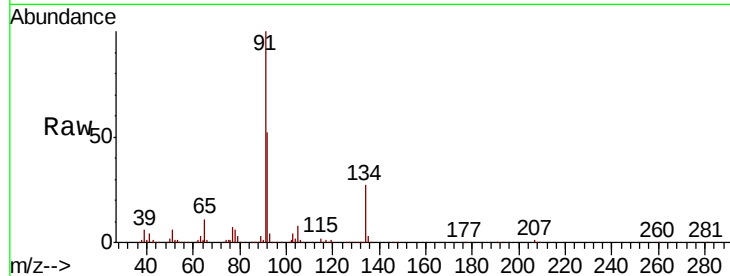




#89
n-Butylbenzene
Concen: 49.247 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

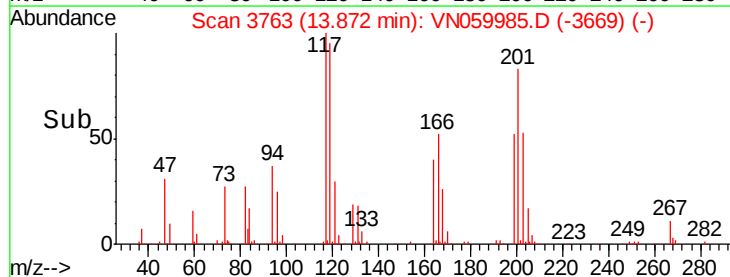
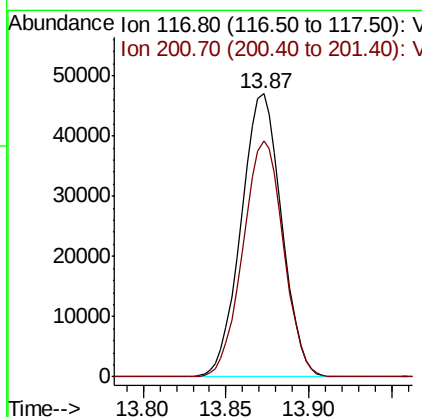
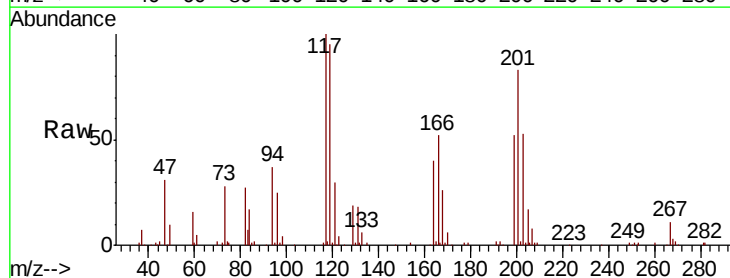
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

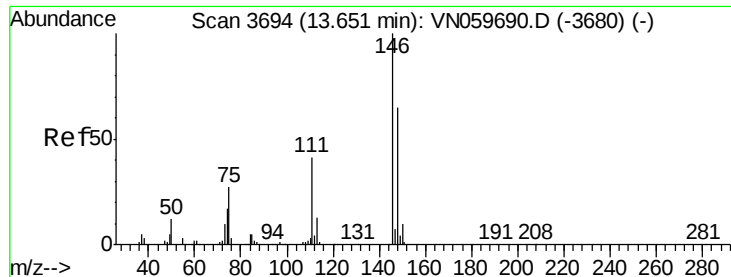
Tot Ion: 91 Resp: 380968
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.7
134 26.6 12.3 36.8



#90
Hexachloroethane
Concen: 47.073 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion: 117 Resp: 79908
Ion Ratio Lower Upper
117 100
201 83.4 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 48.653 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

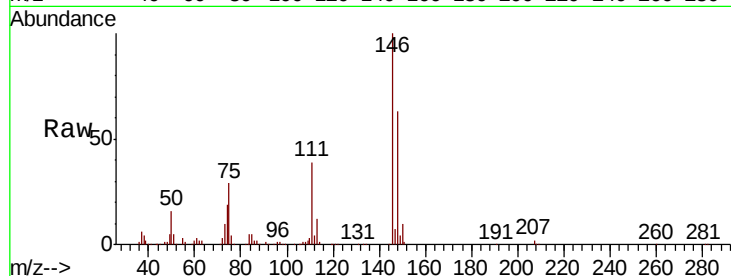
Tot Ion:146 Resp: 217091

Ion Ratio Lower Upper

146 100

111 39.5 21.6 64.8

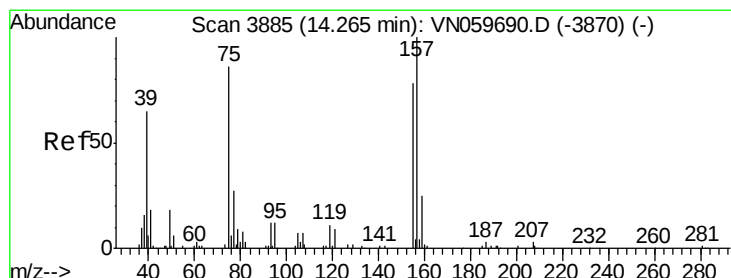
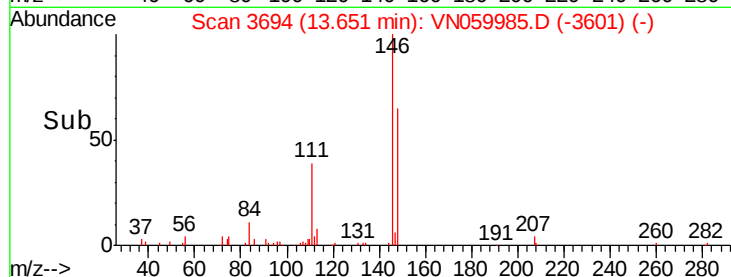
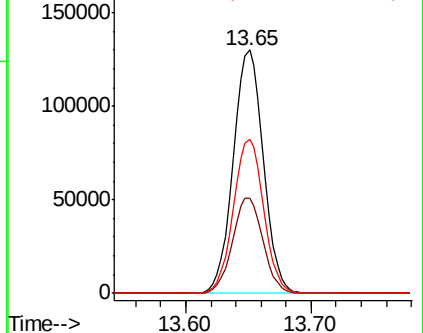
148 63.6 31.6 95.0



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: 45.818 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

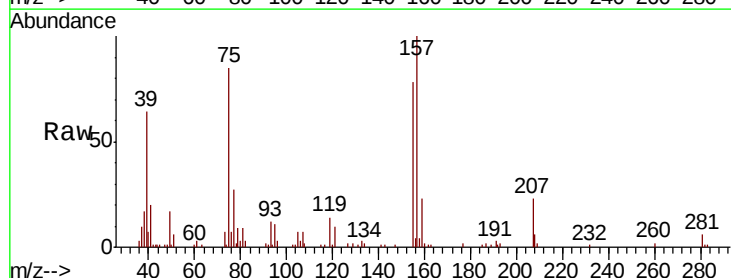
Tgt Ion: 75 Resp: 29364

Ion Ratio Lower Upper

75 100

155 86.5 37.0 110.9

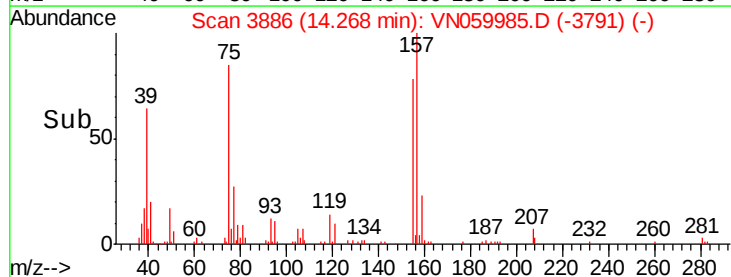
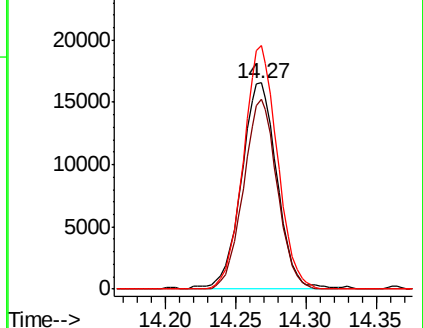
157 112.2 48.4 145.2

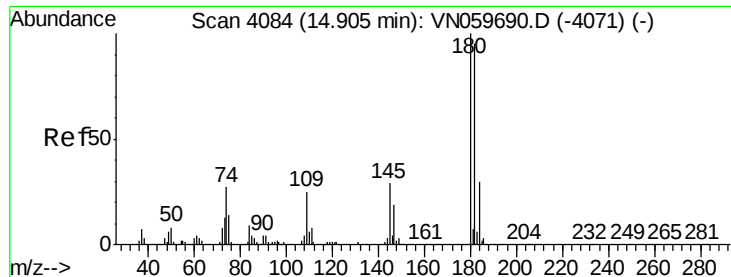


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 51.700 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

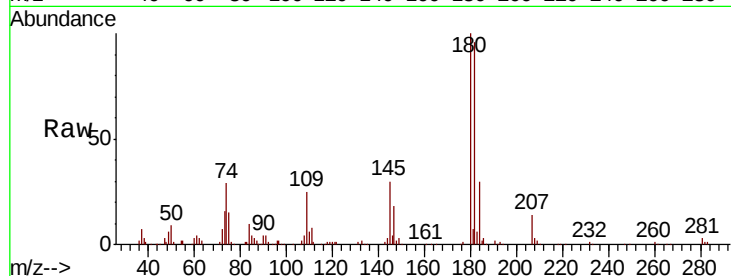
Tot Ion:180 Resp: 138618

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.7

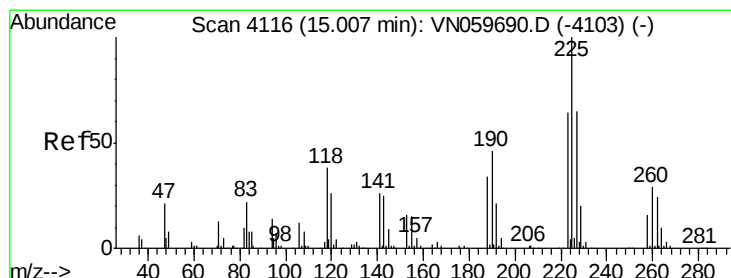
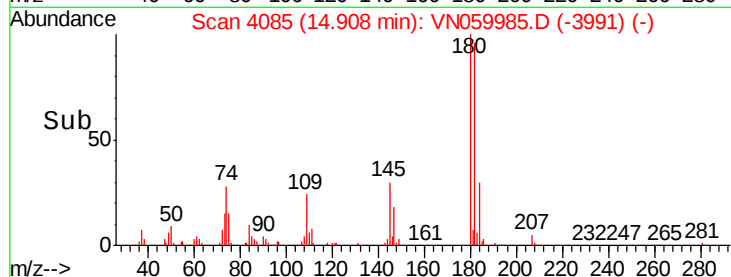
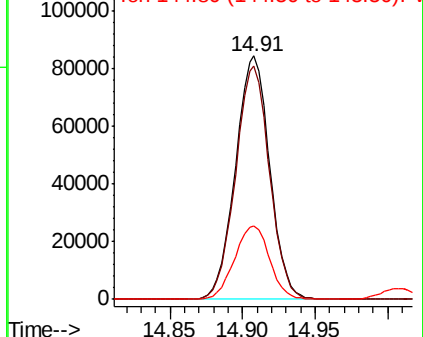
145 30.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.383 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

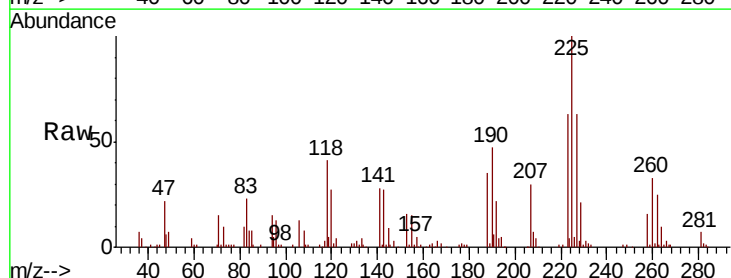
Tgt Ion:225 Resp: 70008

Ion Ratio Lower Upper

225 100

223 62.6 31.8 95.3

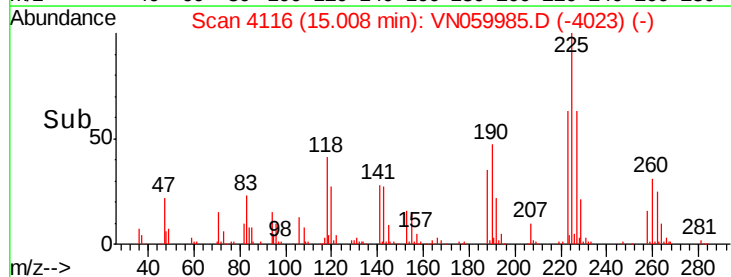
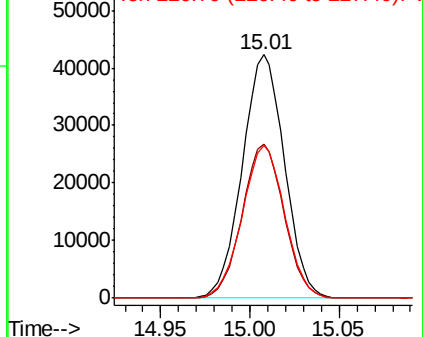
227 63.0 32.1 96.5

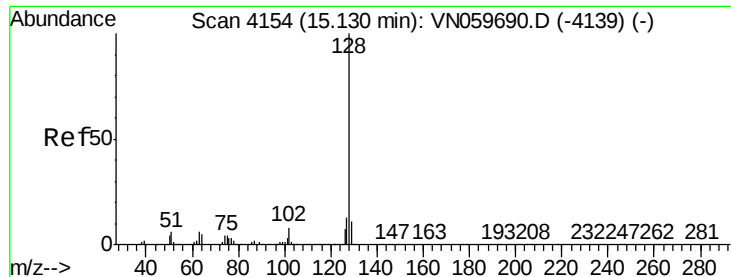


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

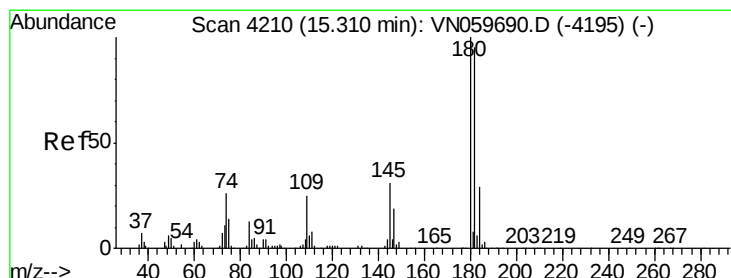
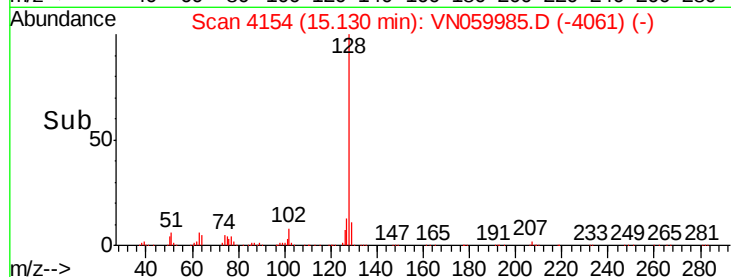
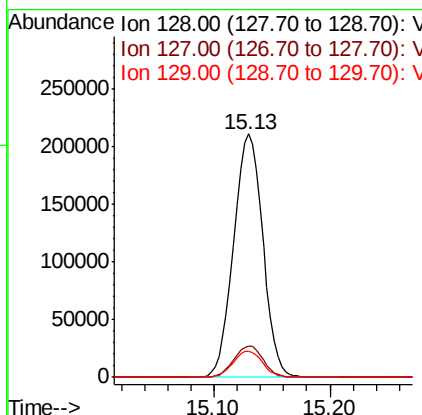
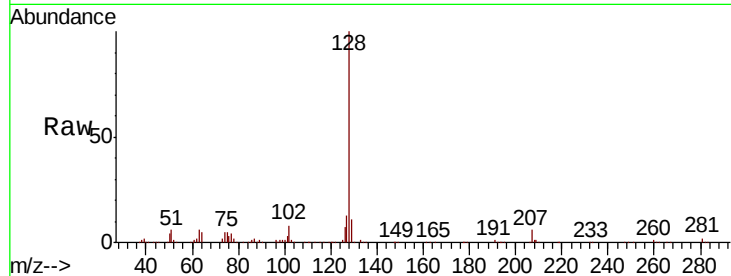




#95
Naphthalene
Concen: 48.135 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 367090
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.583 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion:180 Resp: 132010
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 31.1 16.3 48.9

