

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

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:20:56 PM

Quant Time: Feb 05 01:35:00 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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Quant Time: Feb 05 01:35:00 2020
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 Quant Title : SW846 8260
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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	7.15	41	49136m	41.029	ug/l	
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	129103m	54.834	ug/l	
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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Response via : Initial Calibration

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

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 192072

Ion Ratio Lower Upper

168 100

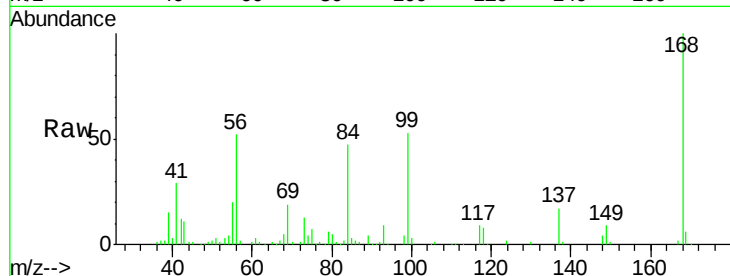
99 53.1 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

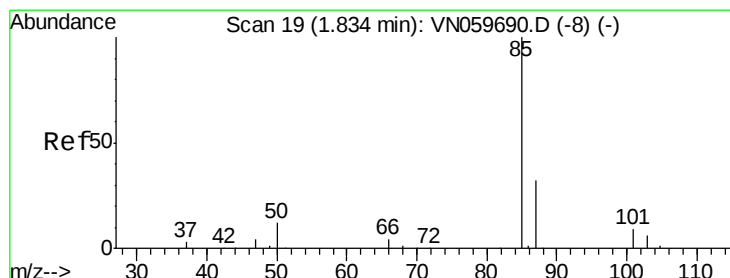
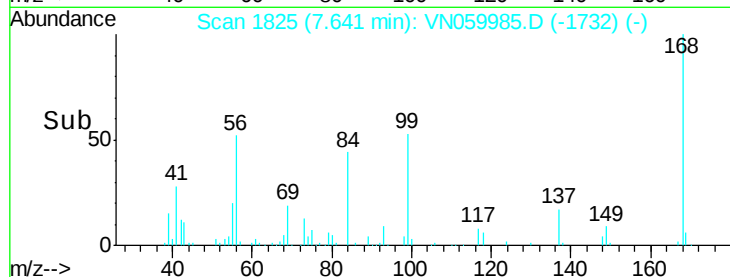
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.099 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059985.D

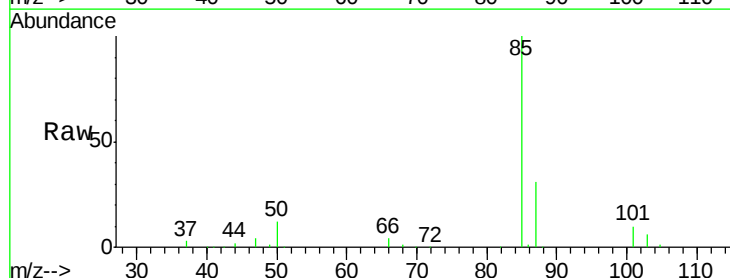
Acq: 4 Feb 2020 10:40

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

1.83

80000

60000

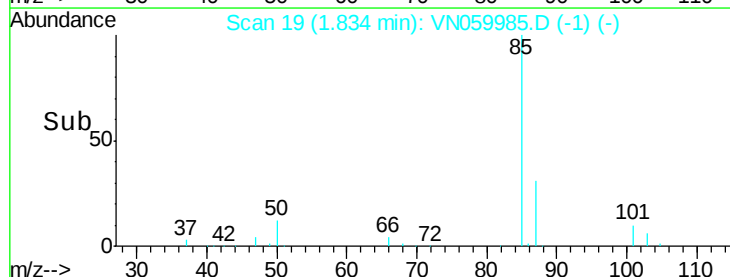
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#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

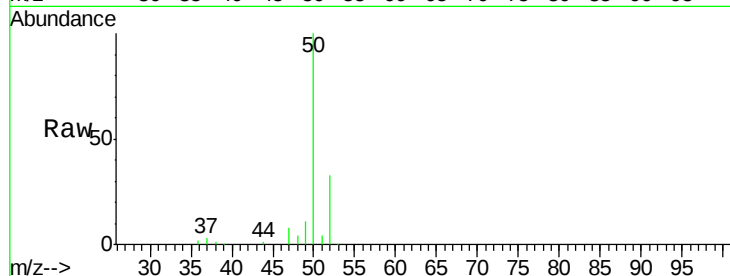
52 32.7 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

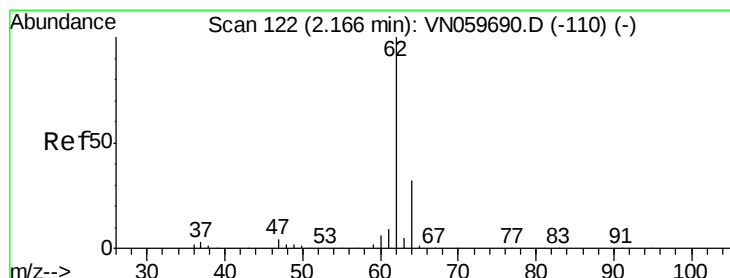
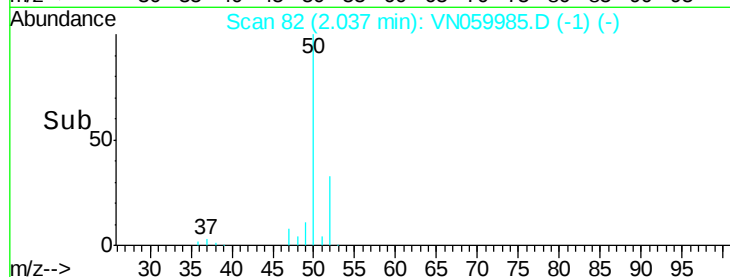
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.759 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059985.D

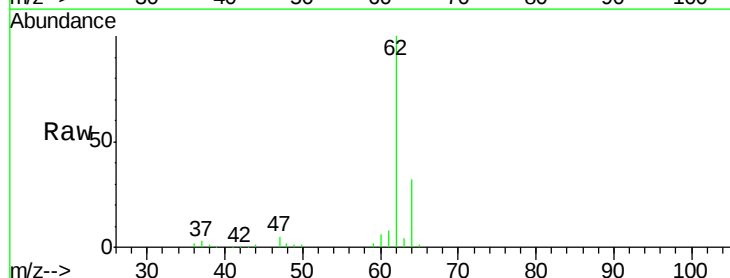
Acq: 4 Feb 2020 10:40

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): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

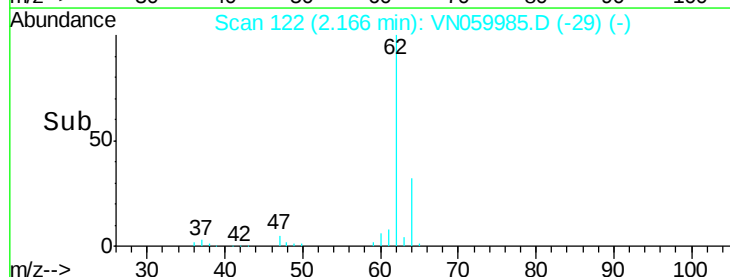
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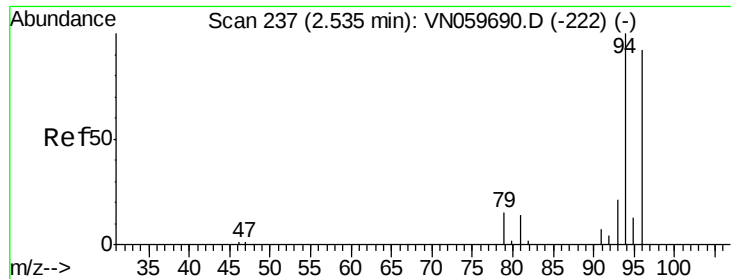
40000

20000

0

Time-->





#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 :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69403

Ion Ratio Lower Upper

94 100

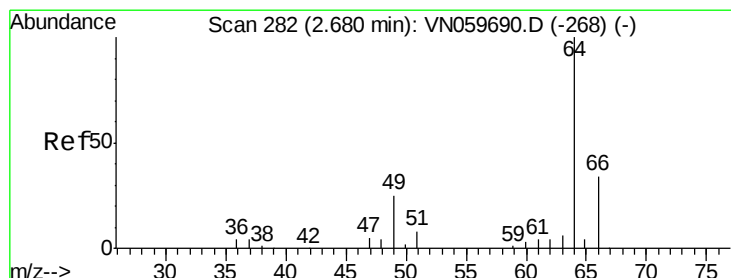
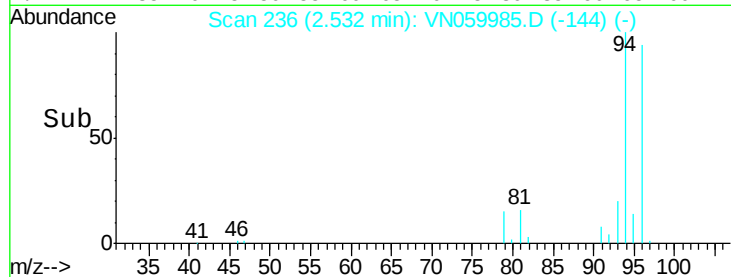
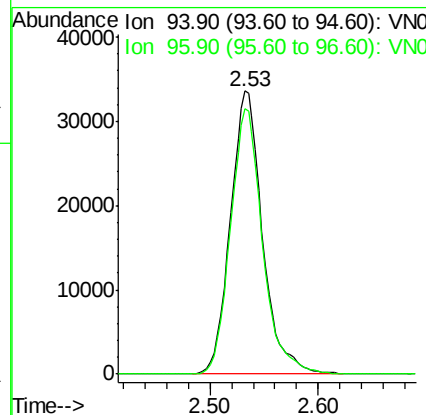
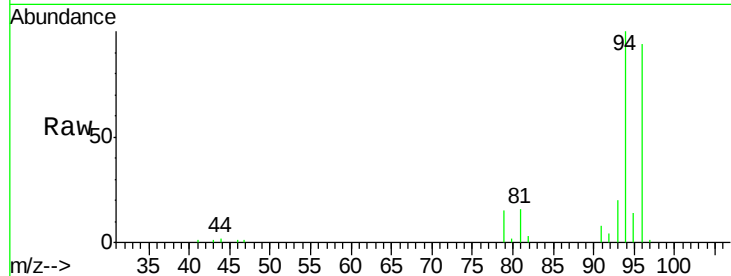
96 93.6 74.7 112.1

Manual Integrations

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2/5/2020 12:20:56 PM



#6

Chloroethane

Concen: 46.809 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059985.D

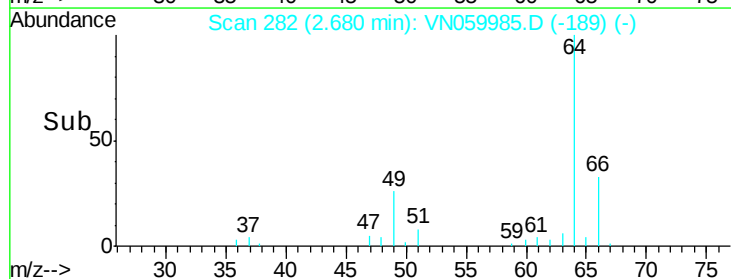
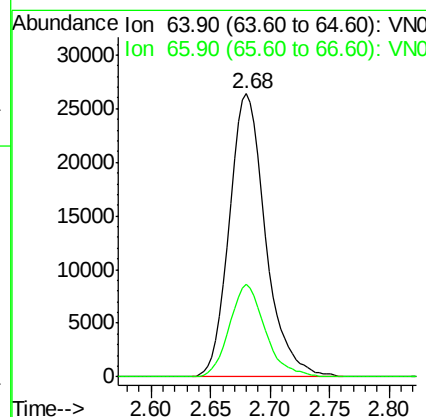
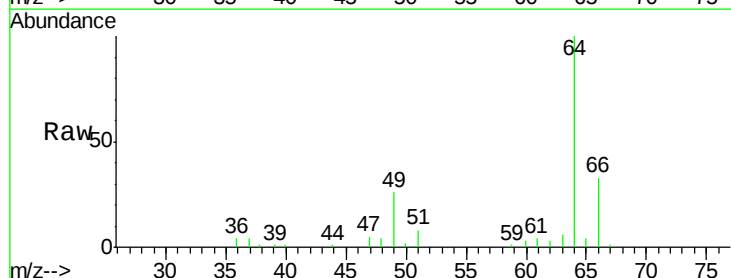
Acq: 4 Feb 2020 10:40

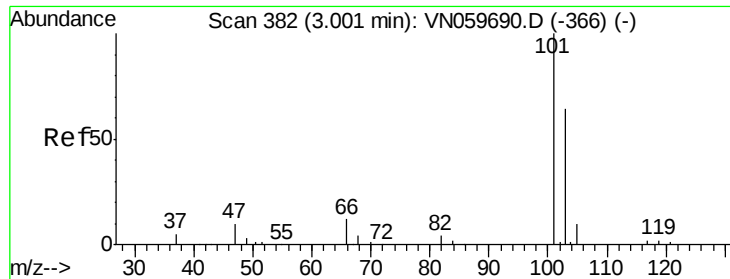
Tgt Ion: 64 Resp: 55718

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

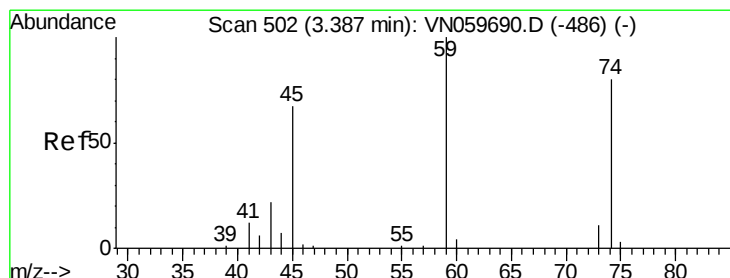
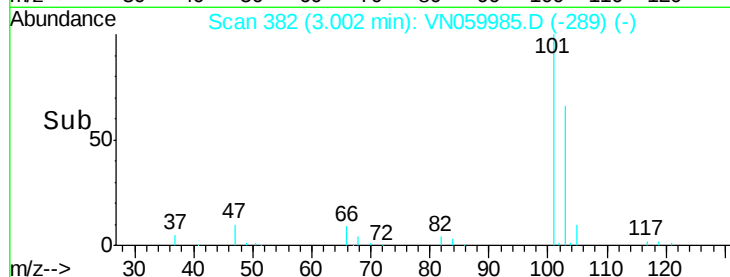
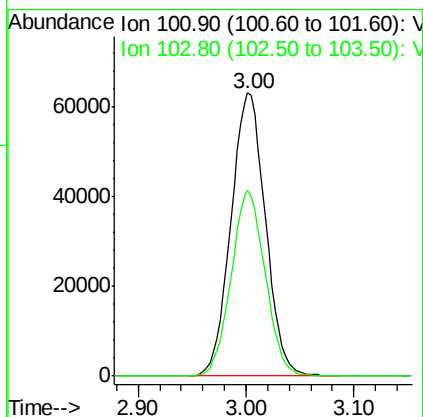
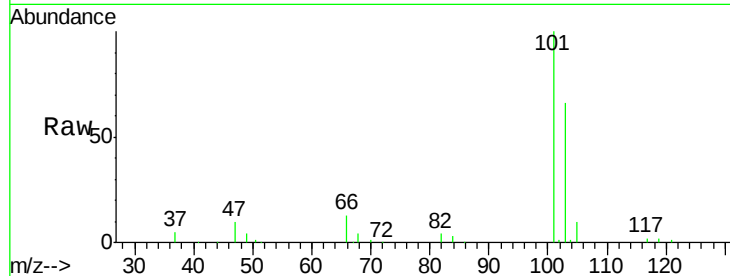
Trichlorofluoromethane
Concen: 46.543 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059985.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.6

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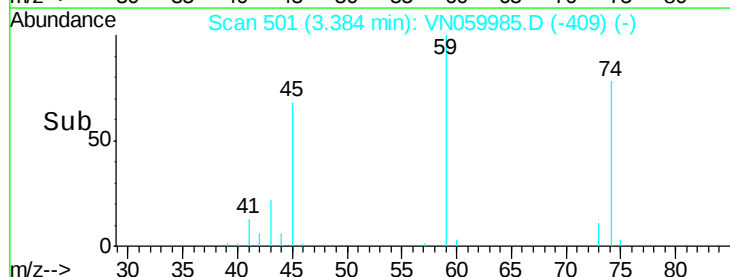
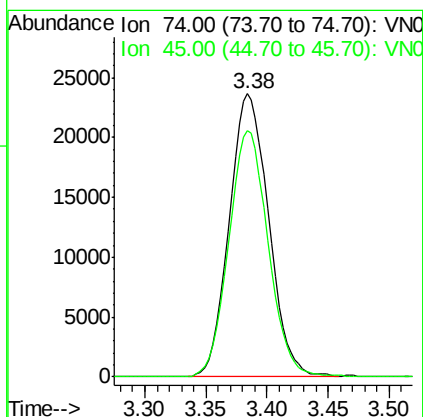
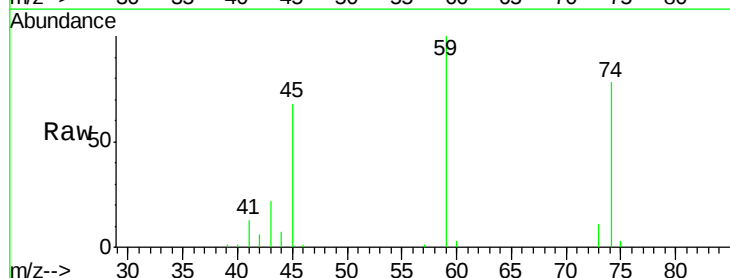
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#8

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	Ratio	Lower	Upper
74	100		
45	87.2	51.9	155.8





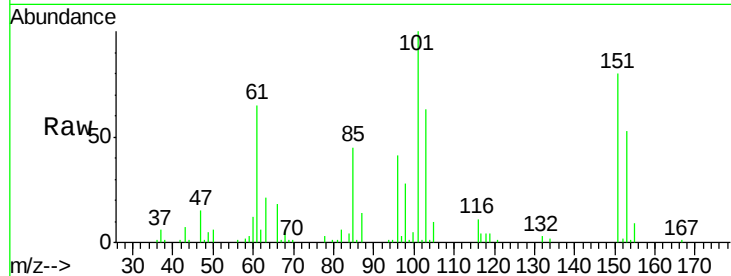
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.859 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
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VSTDCCC050

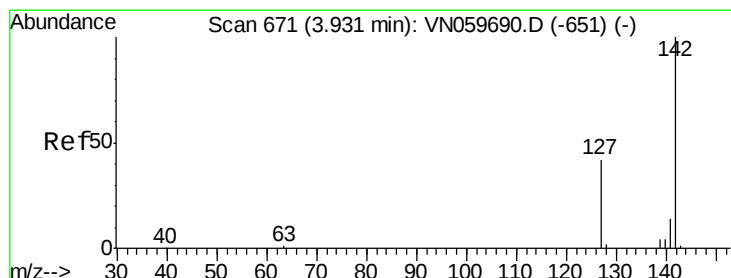
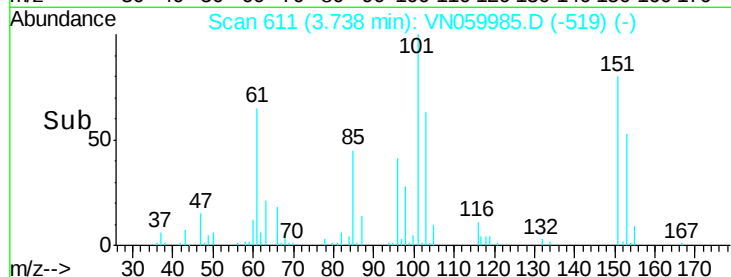
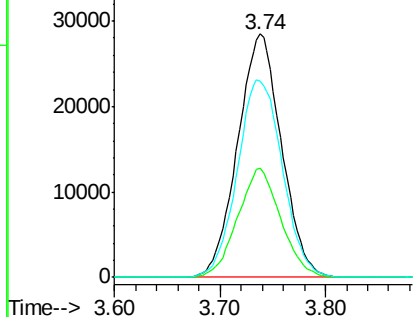
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.6	54.8
151	83.5	59.7	89.5

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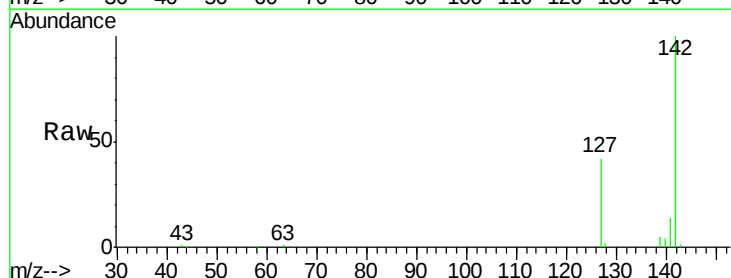


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

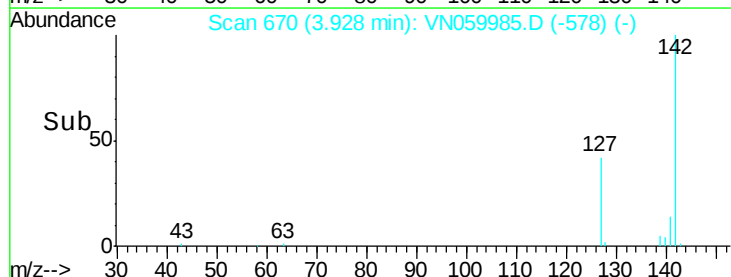
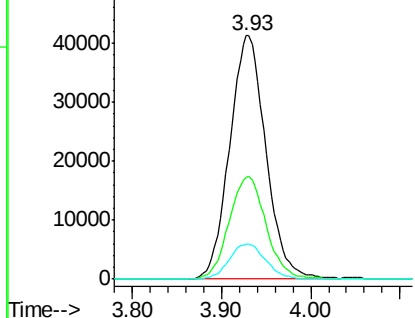


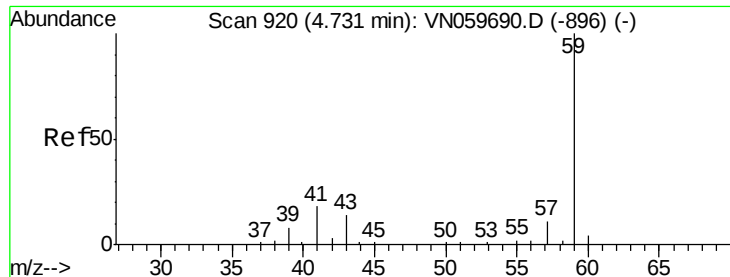
#10
Methyl Iodide
Concen: 42.856 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	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





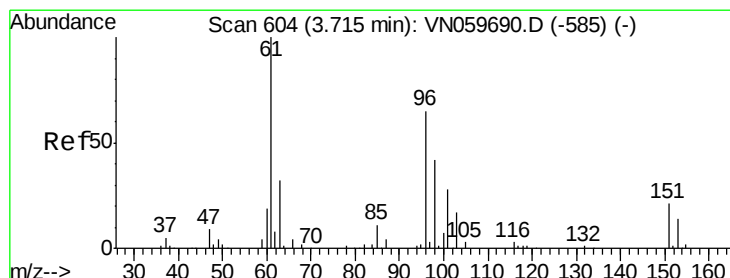
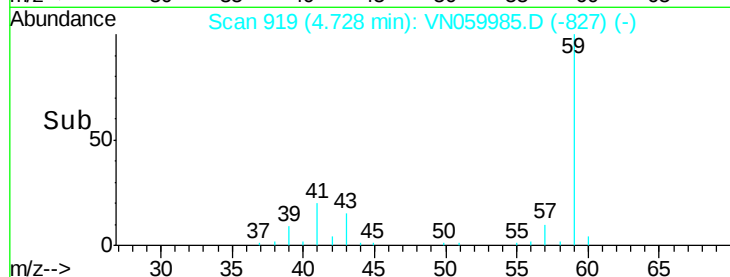
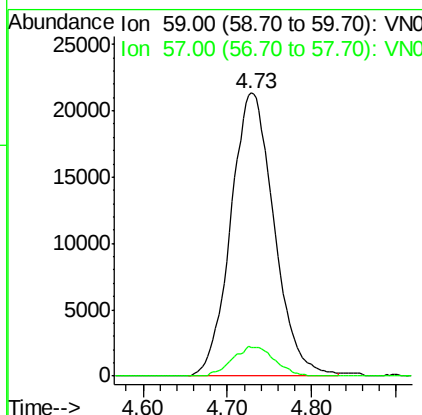
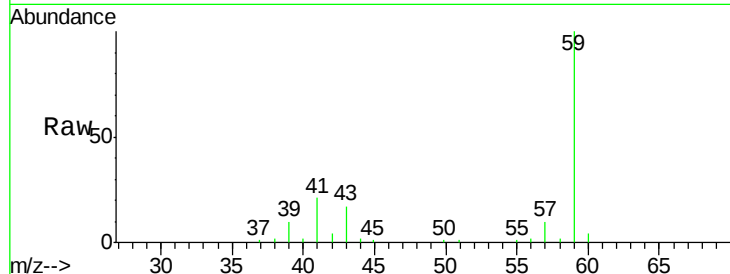
#11
Tert butyl alcohol
Concen: 212.005 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

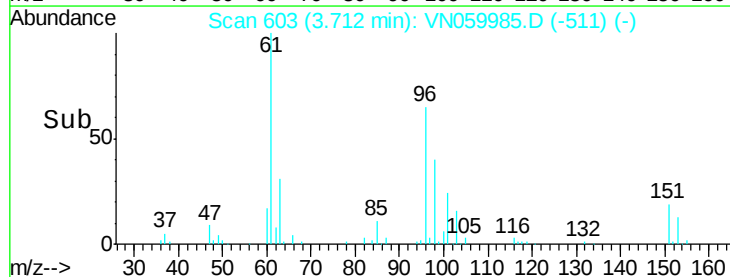
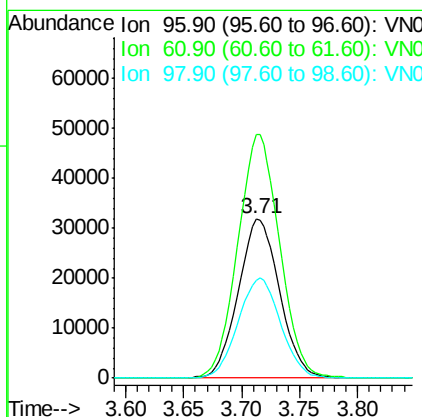
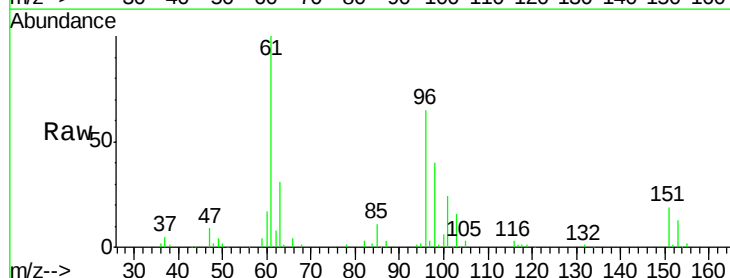
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 44.885 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





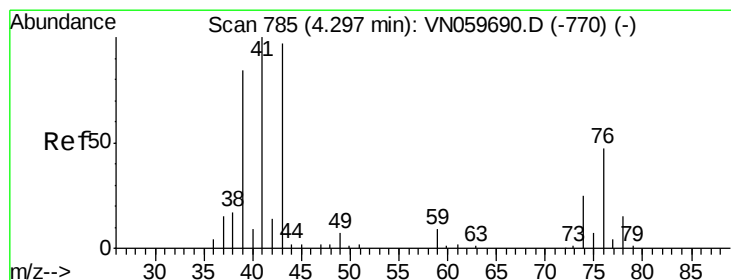
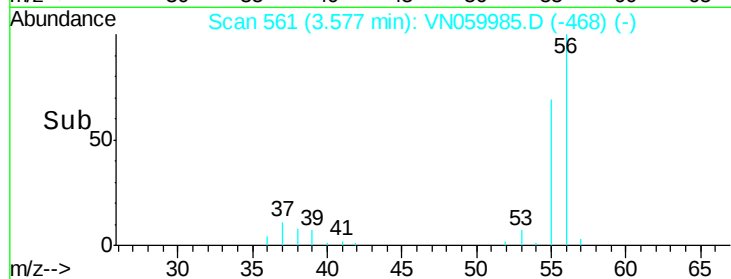
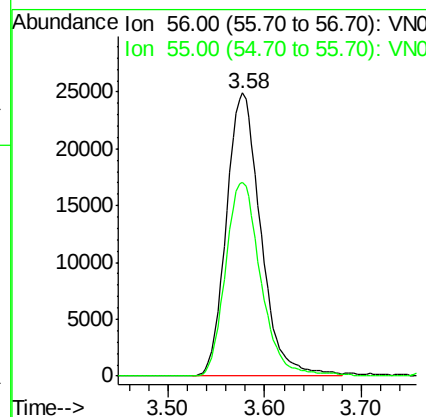
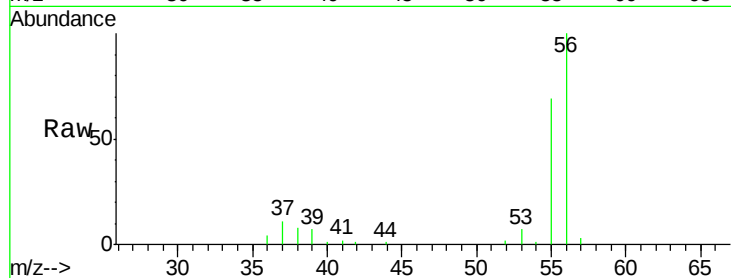
#13
Acrolein
Concen: 242.760 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61706
Ion Ratio	100	Lower	Upper
56	100		
55	70.2	58.6	88.0

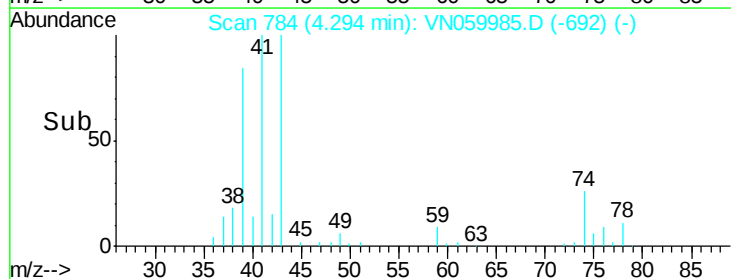
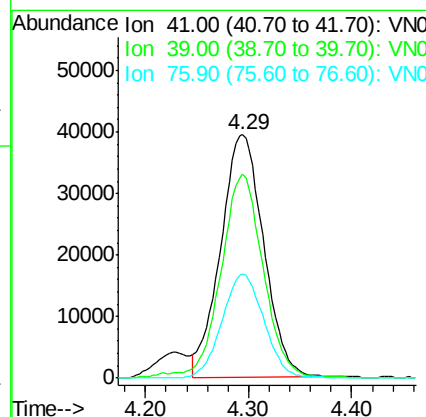
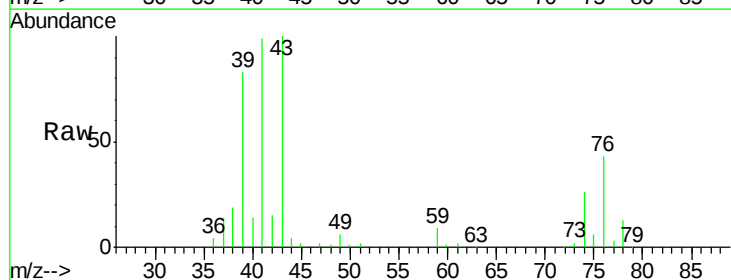
Manual Integrations
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#14
Allyl chloride
Concen: 48.282 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	41	Resp	114359
Ion Ratio	100	Lower	Upper
41	100		
39	83.5	57.8	86.8
76	41.9	25.4	38.0





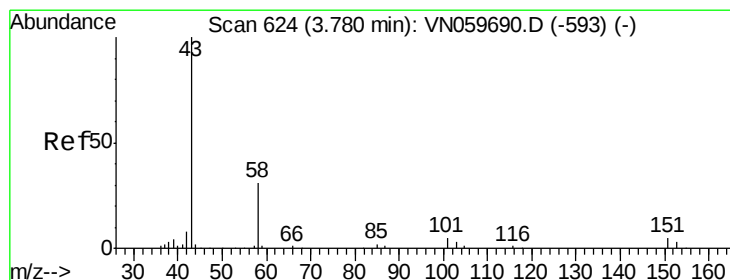
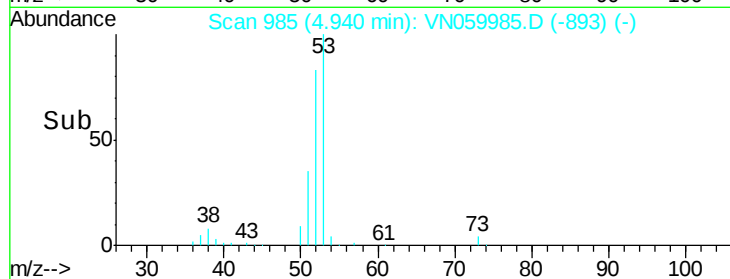
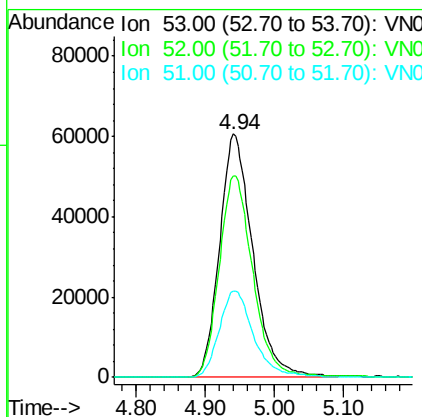
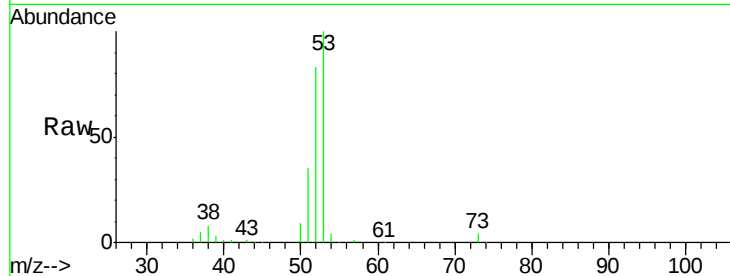
#15
 Acrylonitrile
 Concen: 247.463 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

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

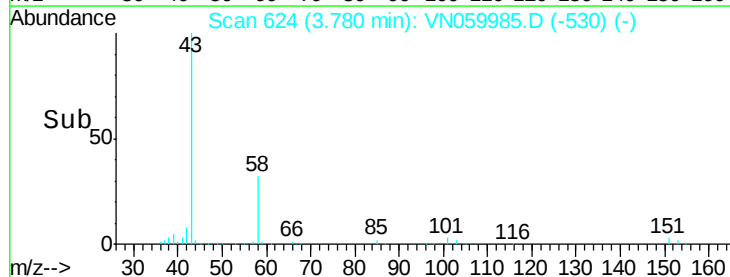
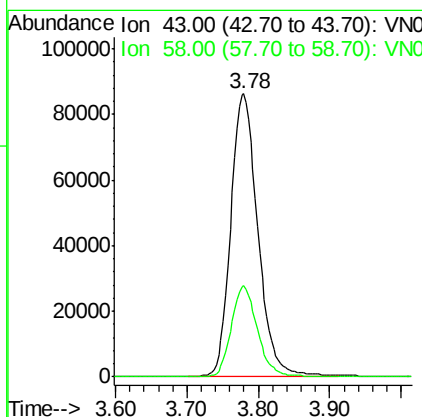
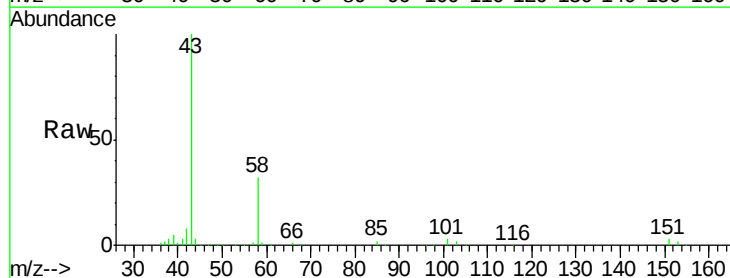
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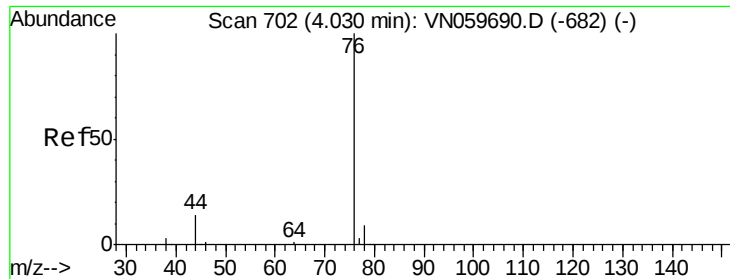
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#16
 Acetone
 Concen: 317.884 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion:	43	Resp:	229286
Ion Ratio	Lower	Upper	
43	100		
58	32.2	23.6	35.4





#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

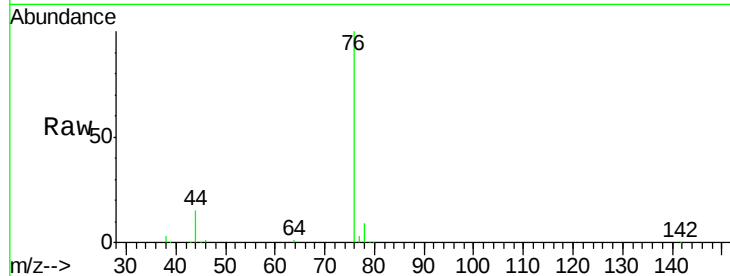
78 9.2 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

80000

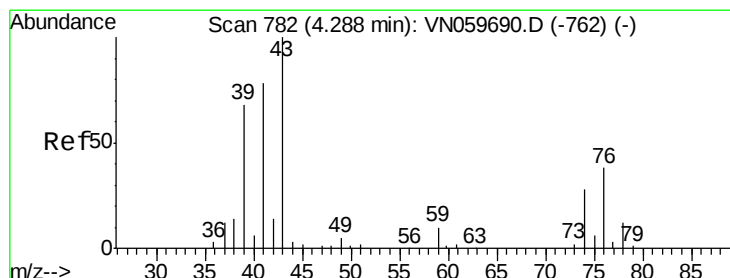
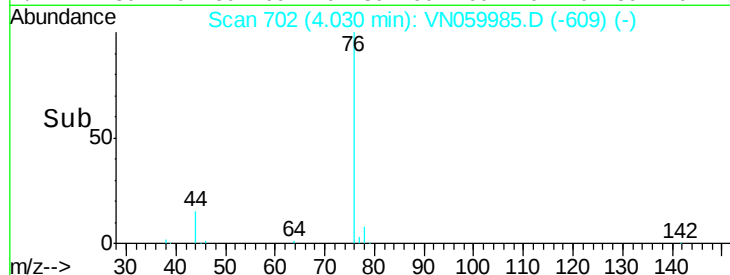
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.610 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059985.D

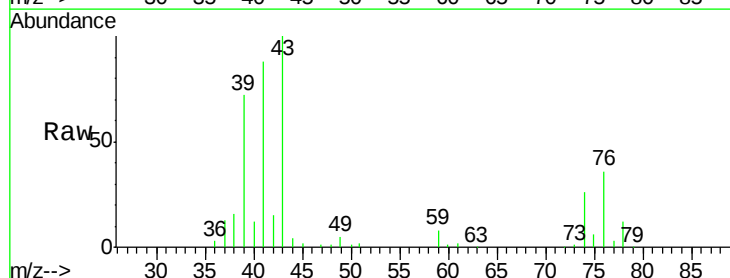
Acq: 4 Feb 2020 10:40

Tgt Ion: 43 Resp: 123602

Ion Ratio Lower Upper

43 100

74 25.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

50000

40000

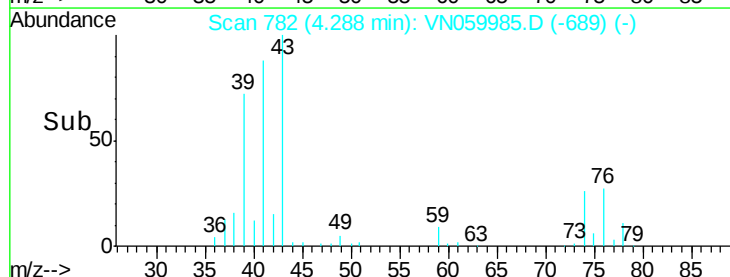
30000

20000

10000

0

Time-->





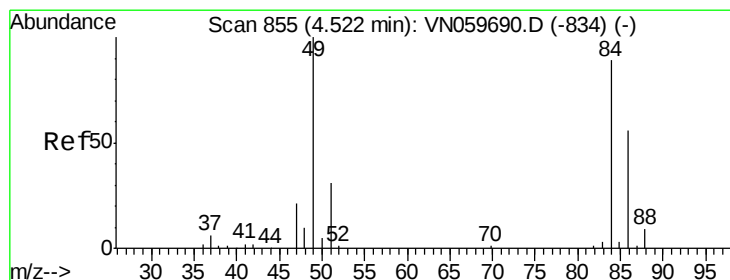
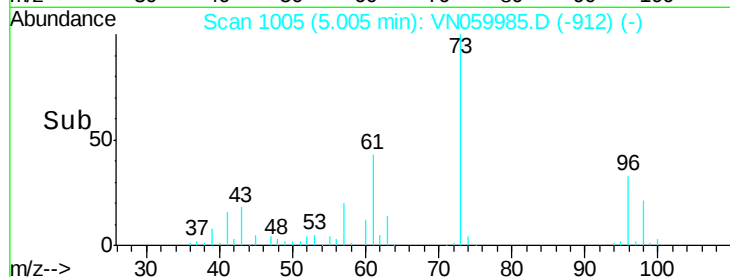
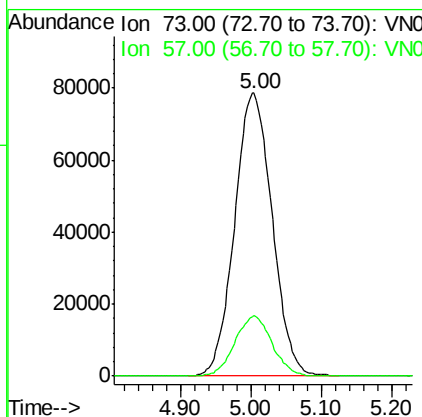
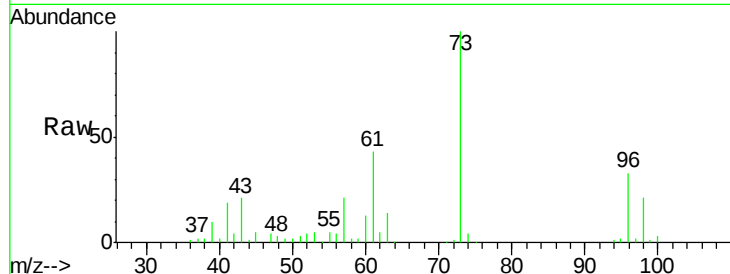
#19
Methvl tert-butvl Ether
Concen: 51.003 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

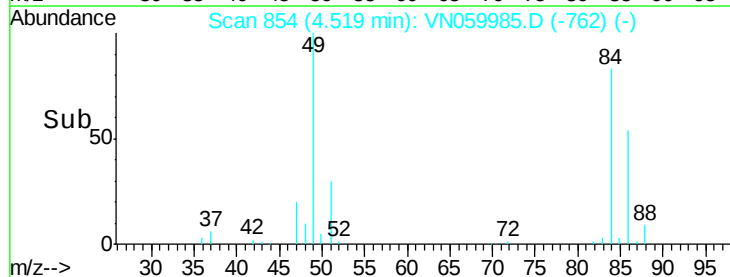
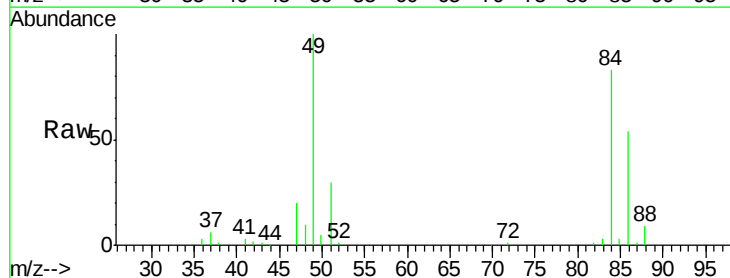
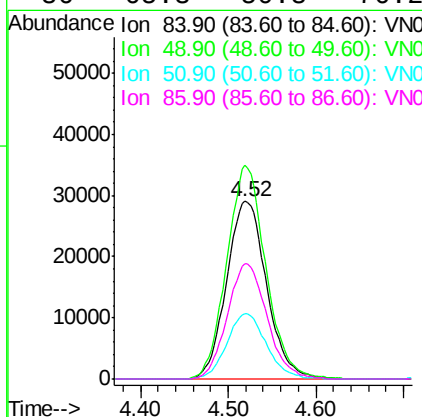
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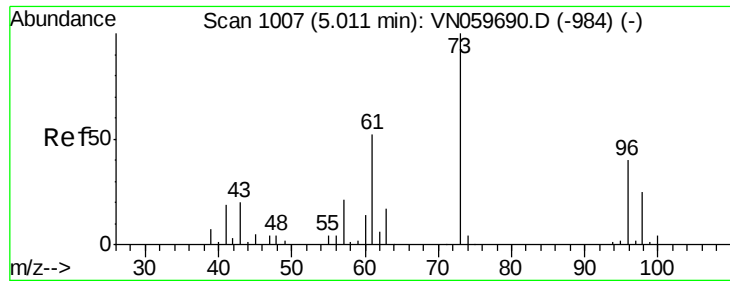
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#20
Methylene Chloride
Concen: 47.714 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





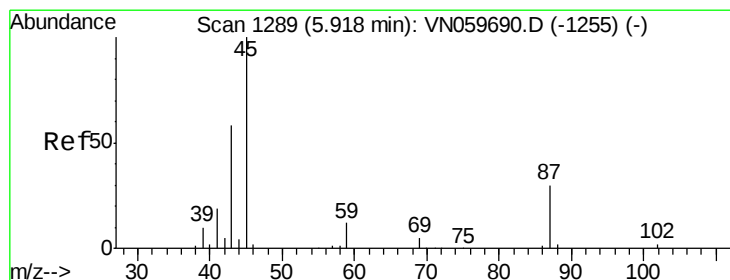
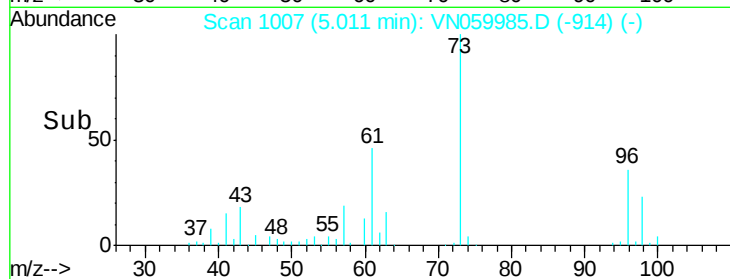
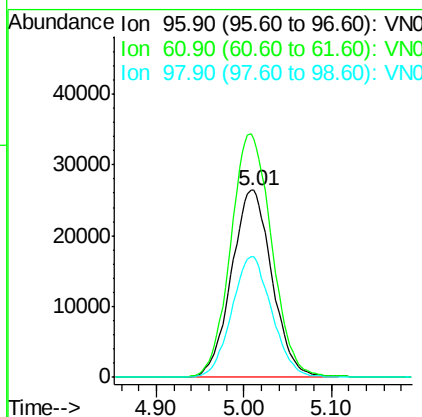
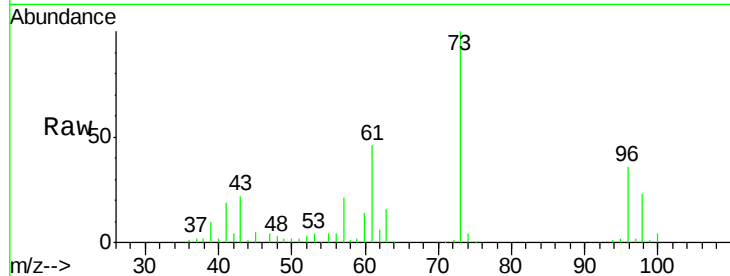
#21
trans-1,2-Dichloroethene
Concen: 45.627 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

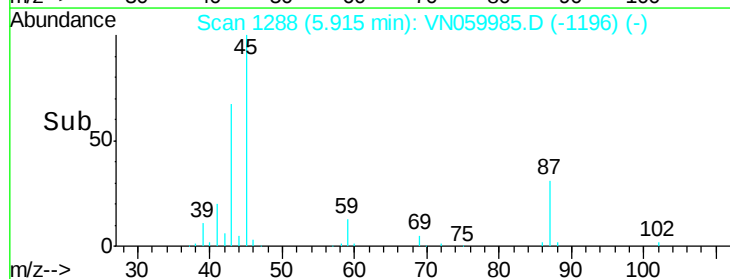
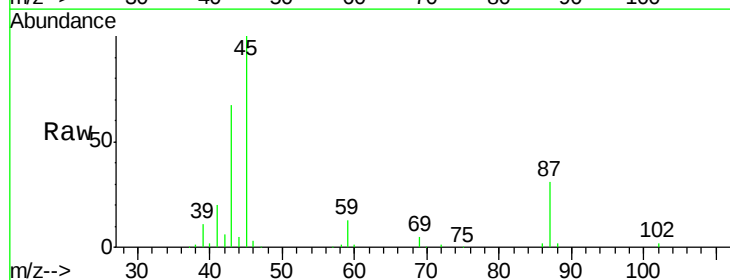
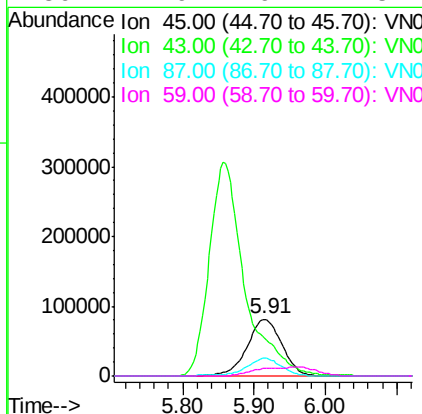
Manual Integrations
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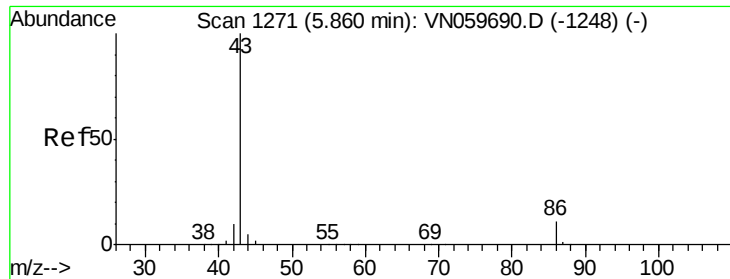
MMDadoda
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#22
Diisopropyl ether
Concen: 51.344 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	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





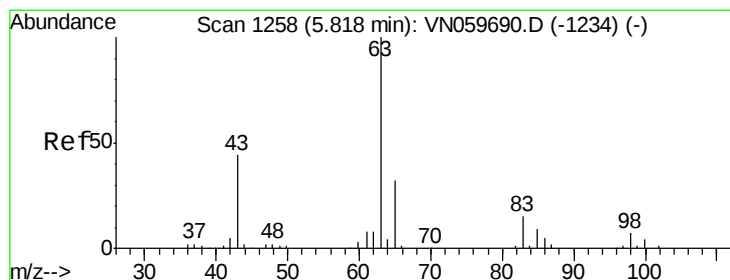
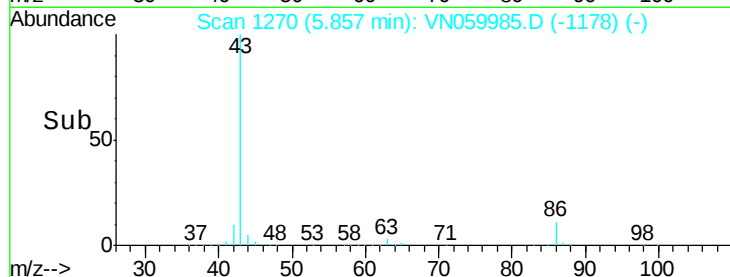
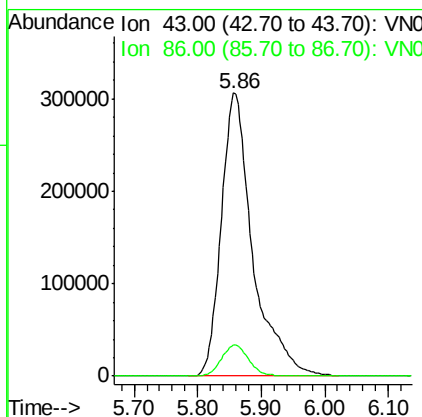
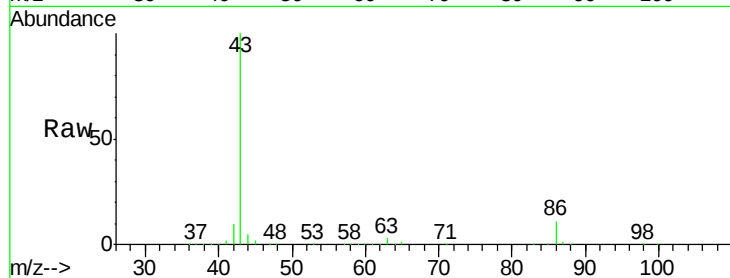
#23
 Vinyl Acetate
 Concen: 253.558 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

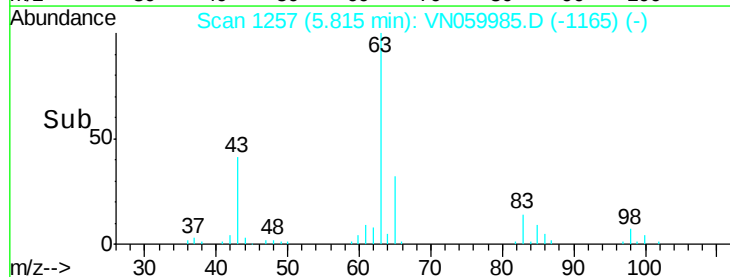
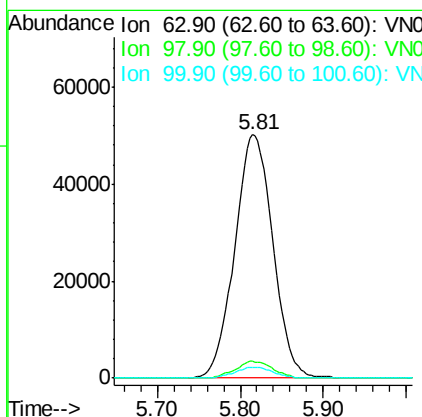
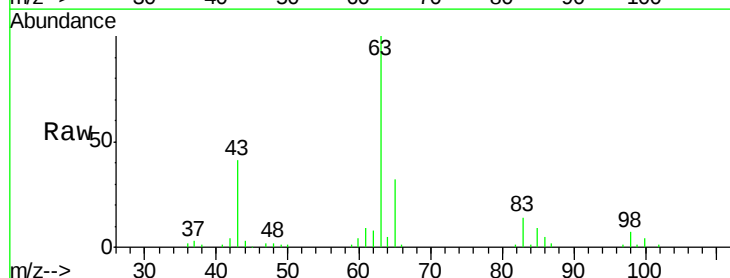
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 48.878 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

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

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 297387

Ion Ratio Lower Upper

43 100

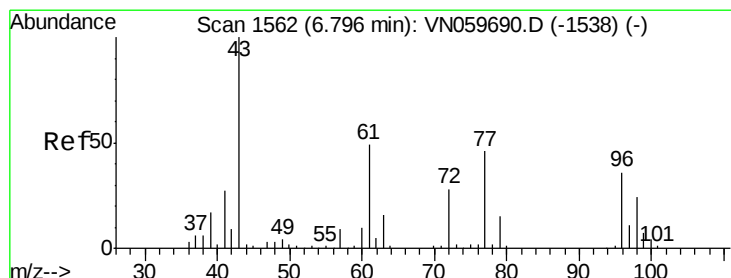
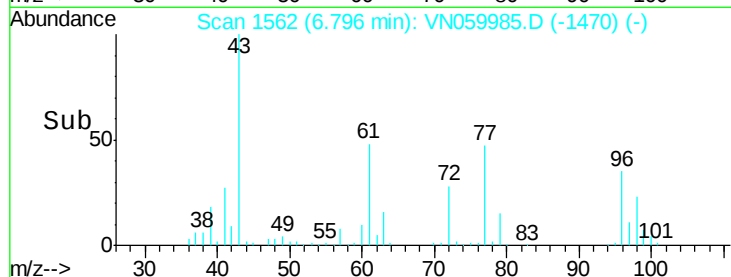
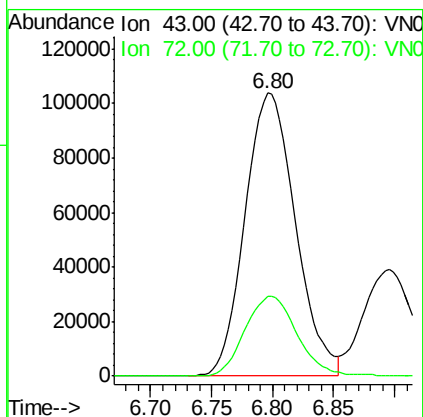
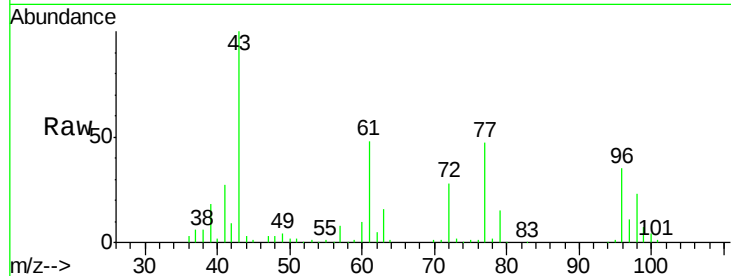
72 28.2 19.9 29.9

Manual Integrations

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#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

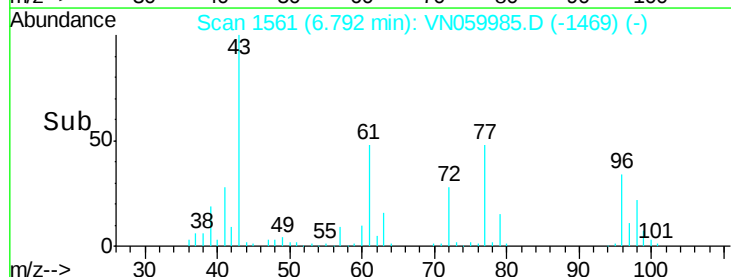
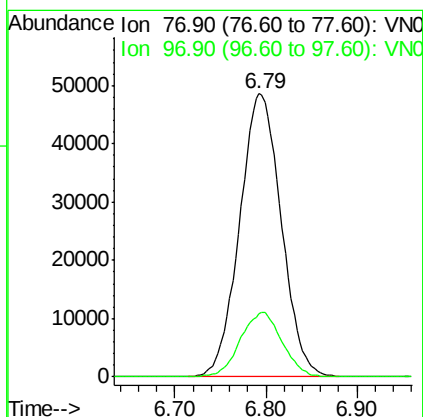
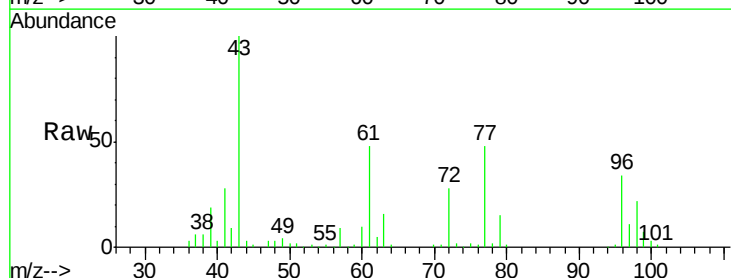
Acq: 4 Feb 2020 10:40

Tgt Ion: 77 Resp: 154048

Ion Ratio Lower Upper

77 100

97 22.8 10.7 31.9





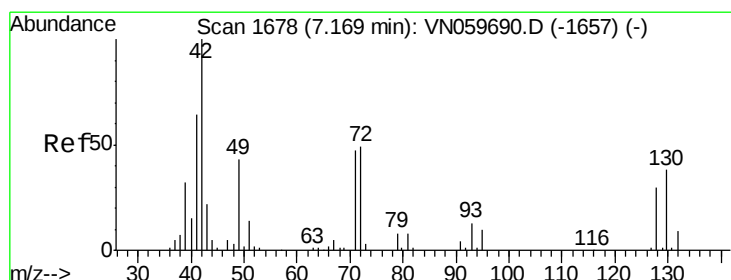
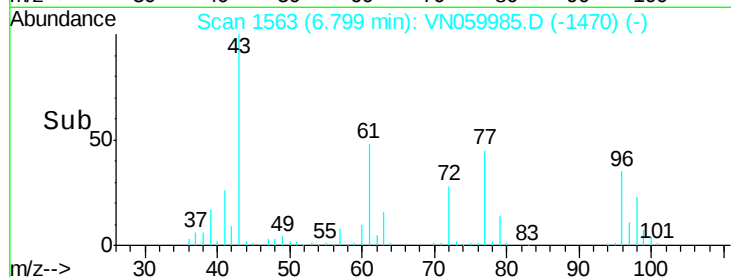
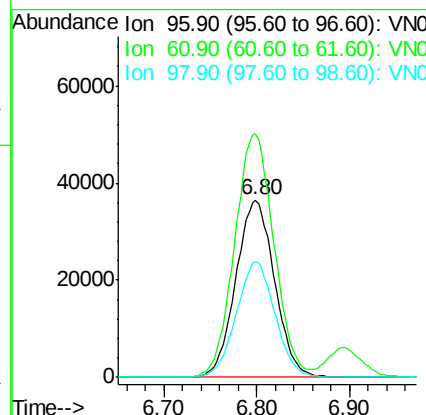
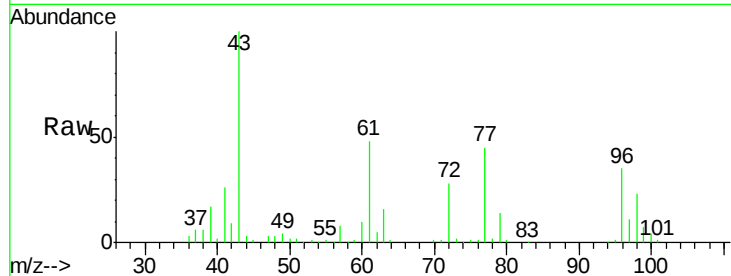
#27
 cis-1,2-Dichloroethene
 Concen: 49.187 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.8	0.0	317.6	
98	65.1	0.0	127.0	

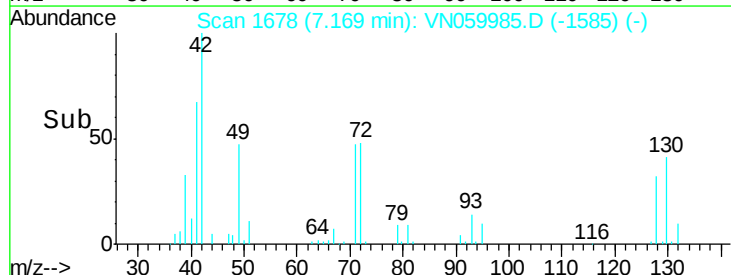
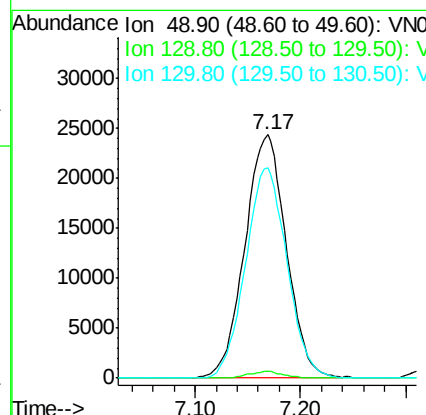
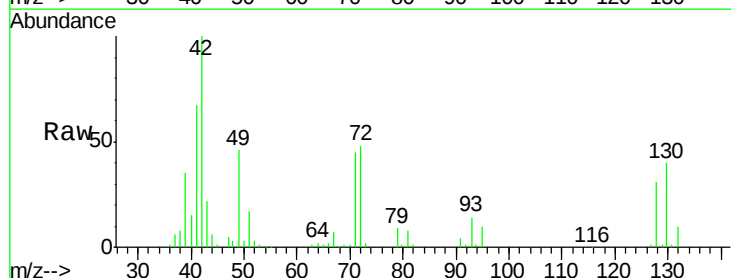
Manual Integrations
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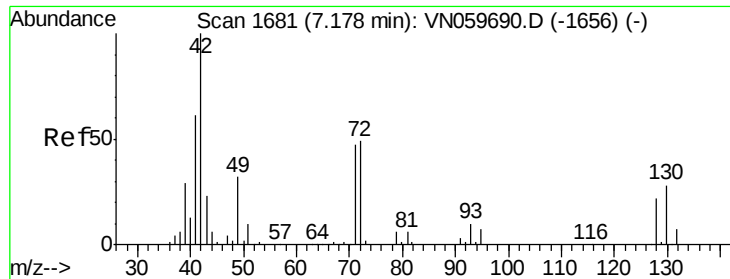
MMDadoda
 2/5/2020 12:20:56 PM



#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	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.4	
130	86.1	54.7	82.1	





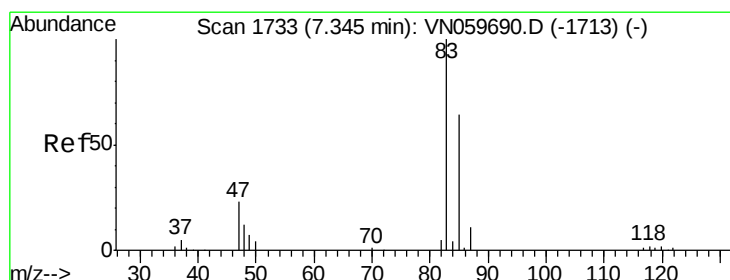
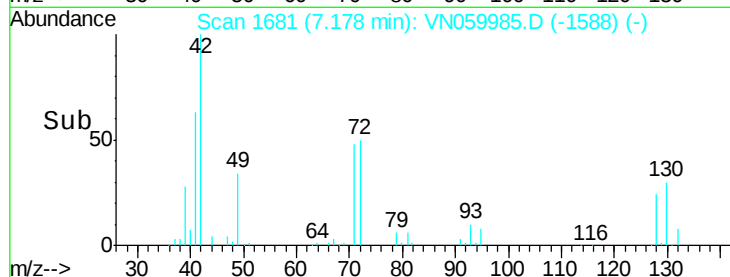
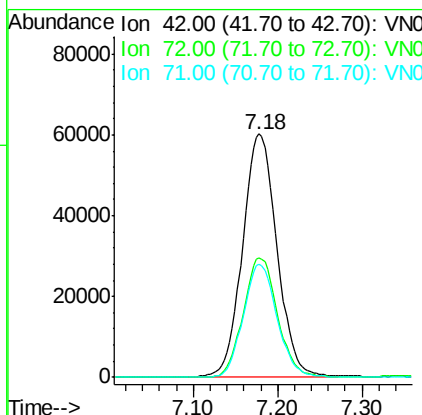
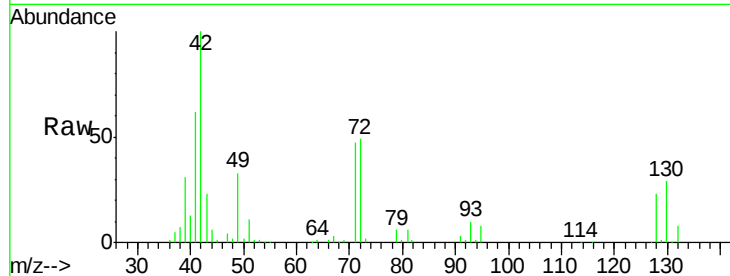
#29
Tetrahydrofuran
Concen: 229.232 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

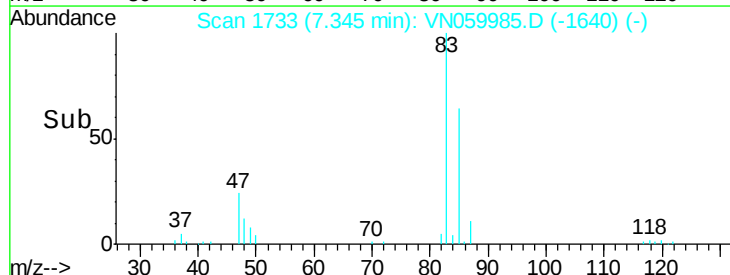
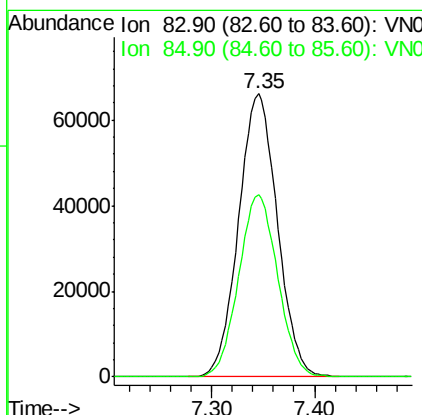
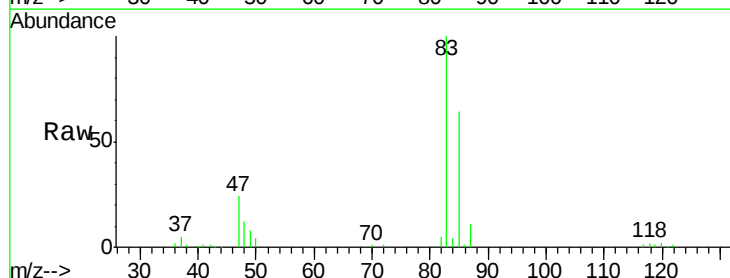
Manual Integrations
APPROVED

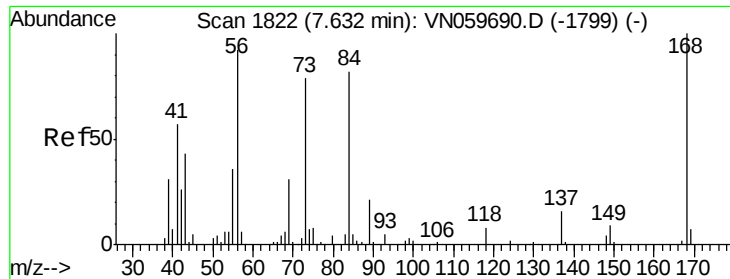
MMDadoda
2/5/2020 12:20:56 PM



#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	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





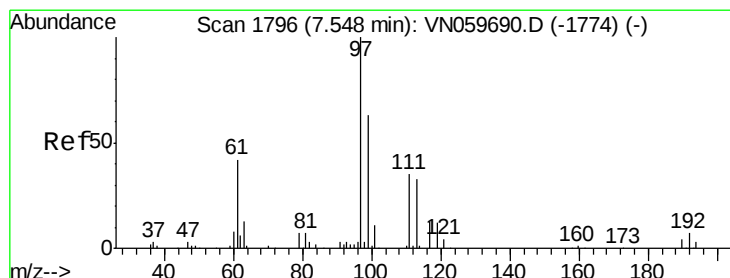
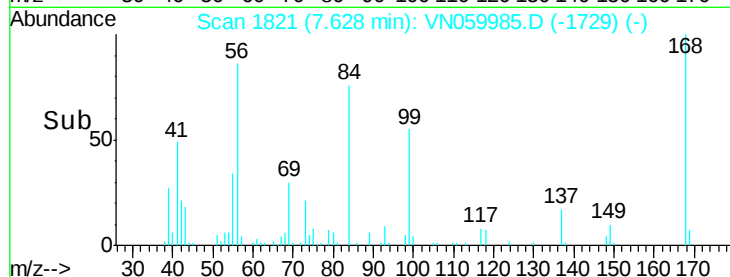
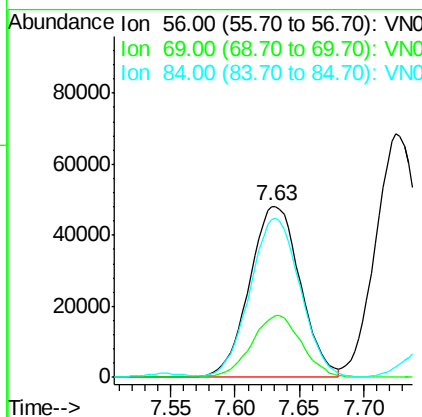
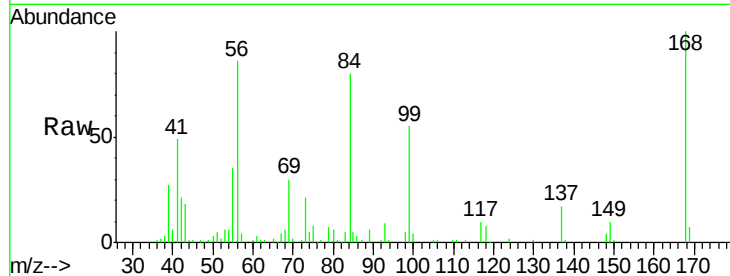
#31
Cyclohexane
Concen: 41.840 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

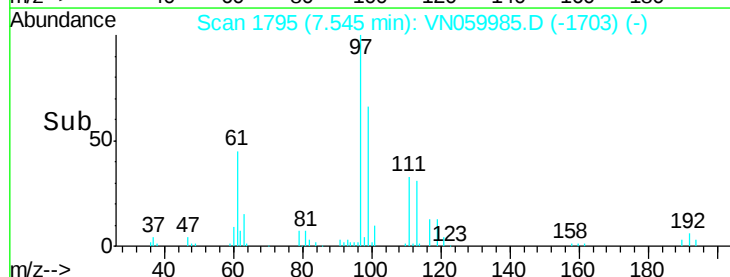
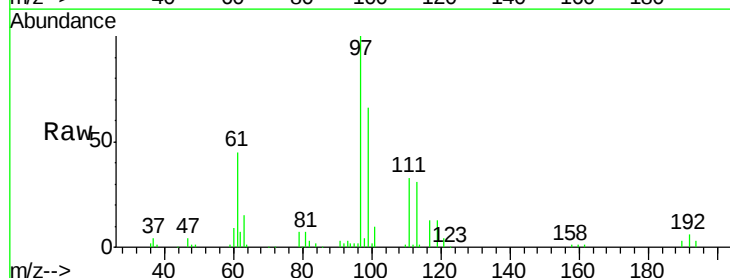
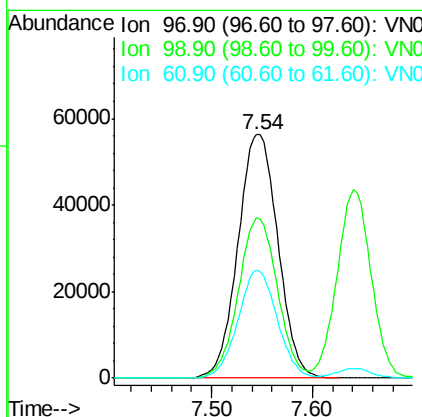
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#32
1,1,1-Trichloroethane
Concen: 49.190 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





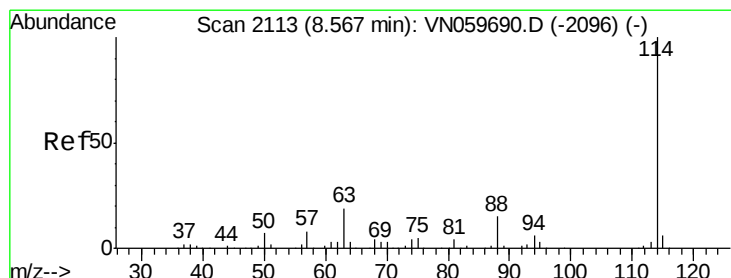
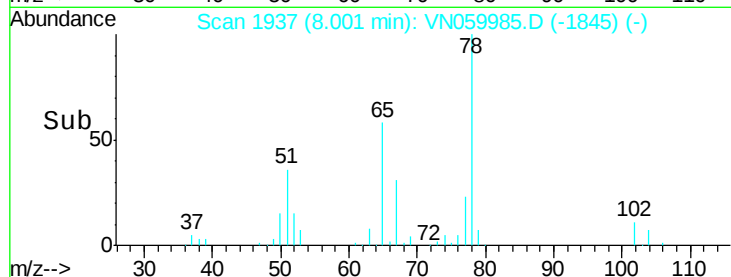
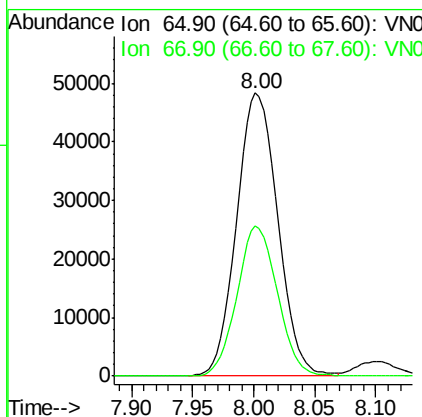
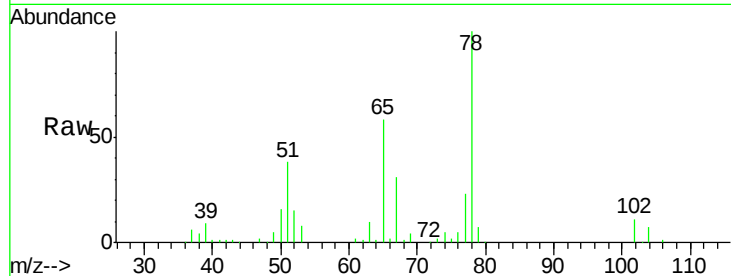
#33
 1,2-Dichloroethane-d4
 Concen: 52.958 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

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

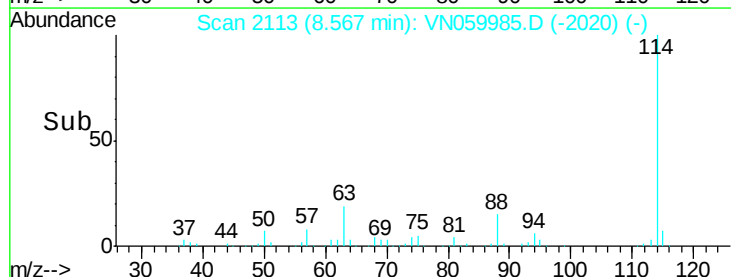
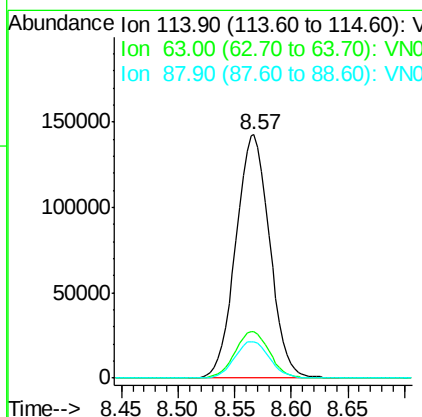
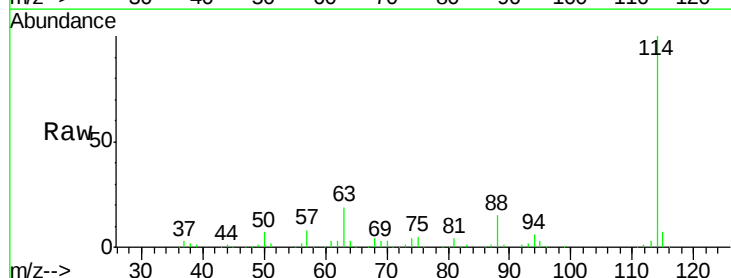
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

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





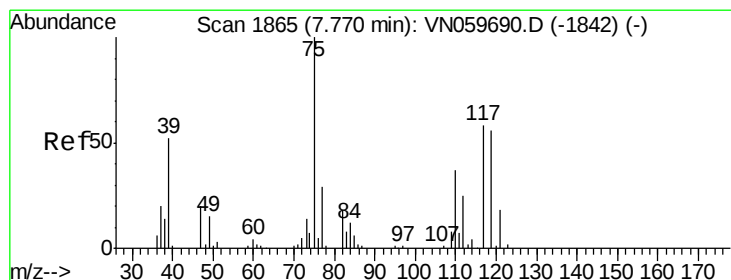
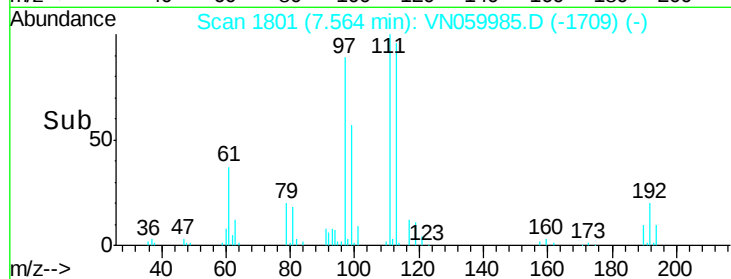
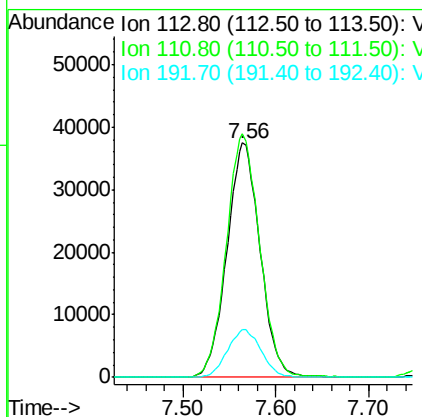
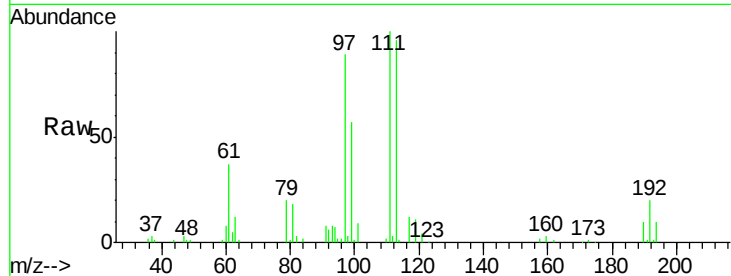
#35
Dibromofluoromethane
Concen: 52.404 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93028		
111	104.5	83.5	125.3	
192	20.5	15.4	23.2	

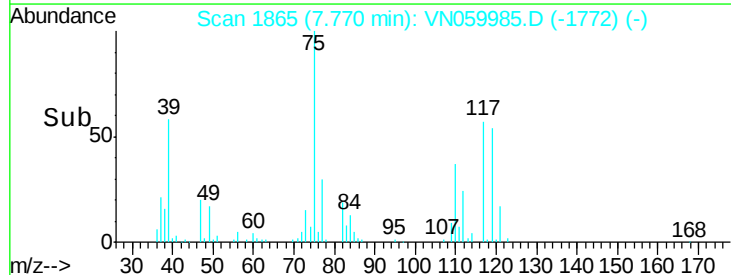
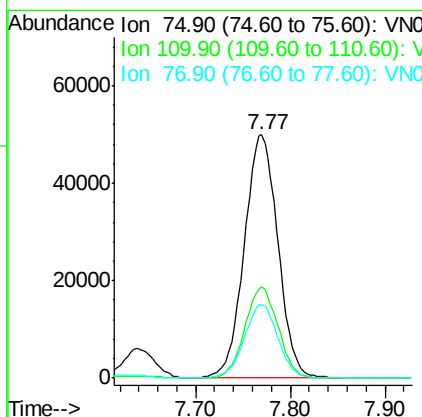
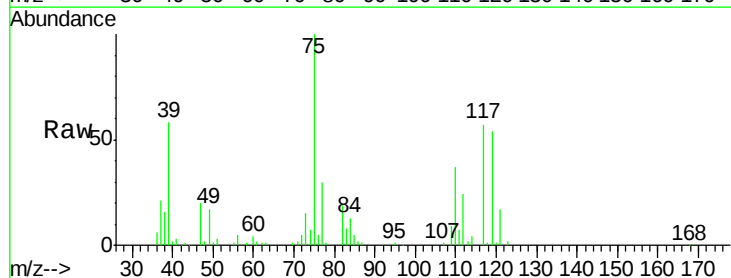
Manual Integrations
APPROVED

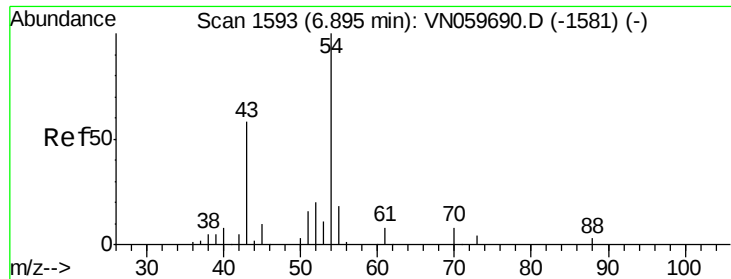
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#36
1,1-Dichloropropene
Concen: 47.535 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123227		
110	36.8	16.6	49.7	
77	30.2	25.1	37.7	





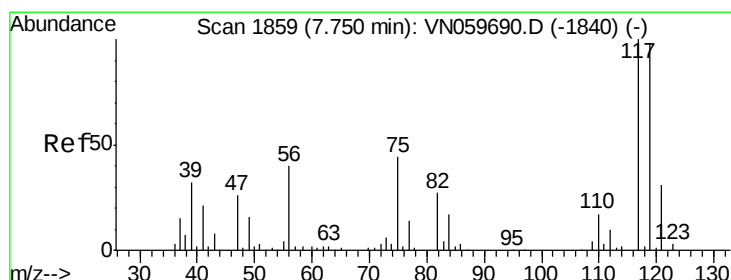
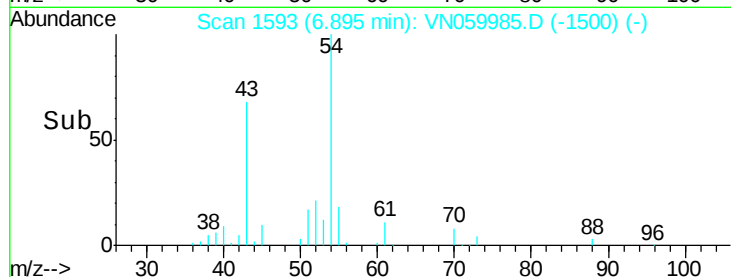
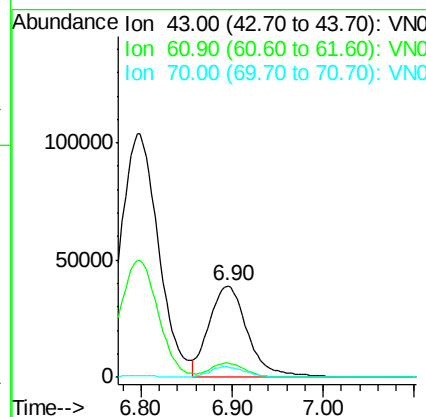
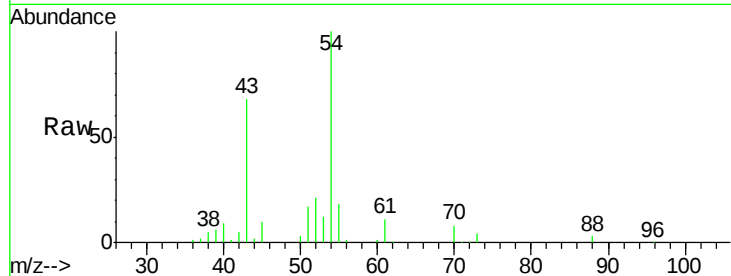
#37
Ethyl Acetate
Concen: 46.343 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

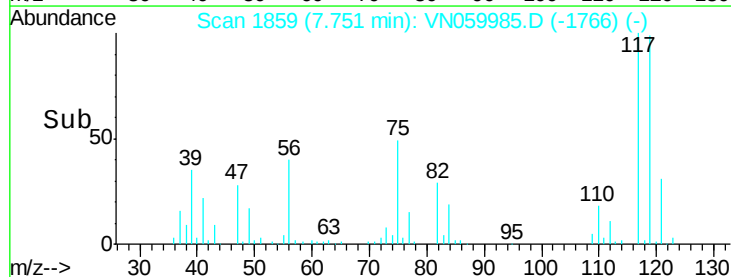
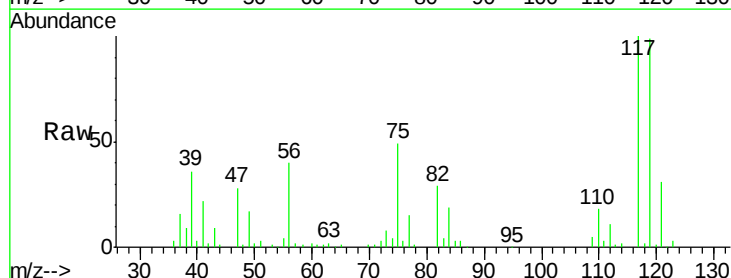
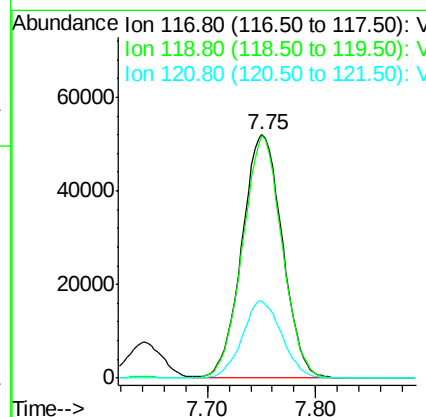
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.072 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





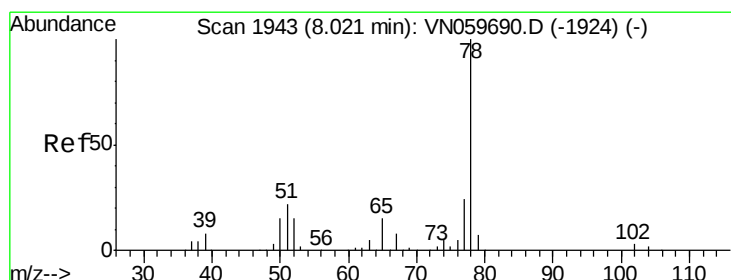
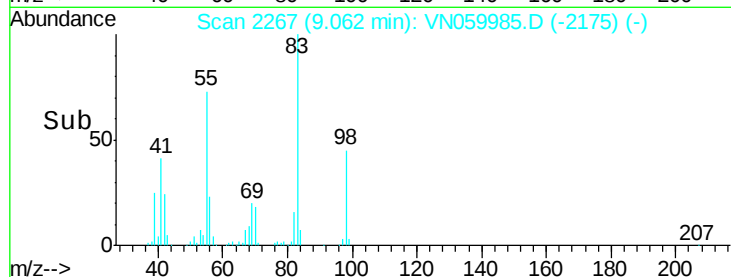
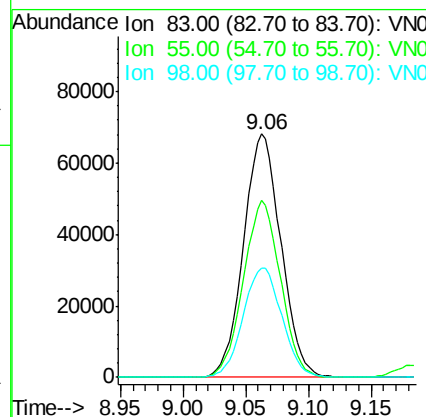
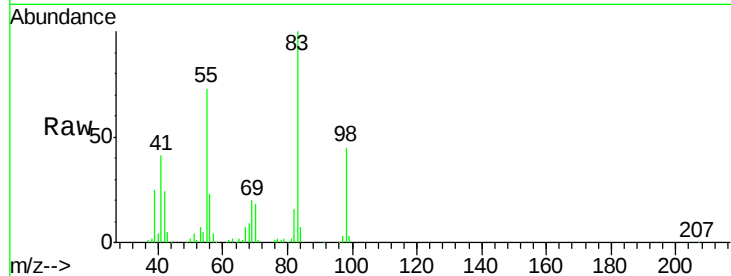
#39
Methvlcvclohexane
Concen: 44.274 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

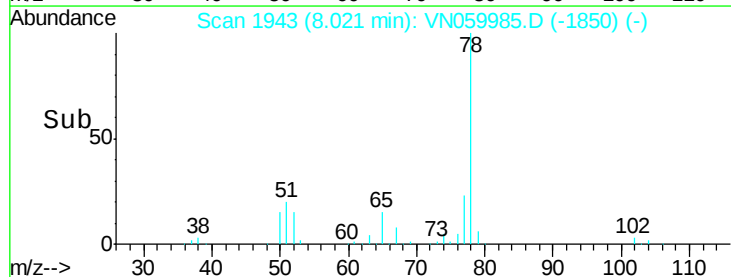
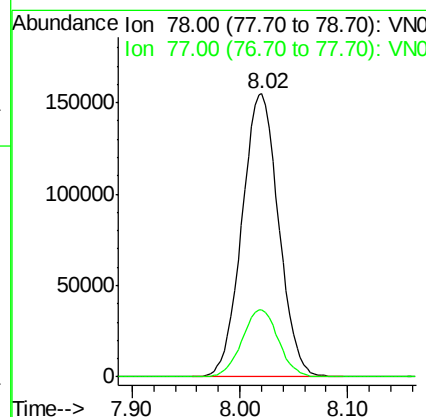
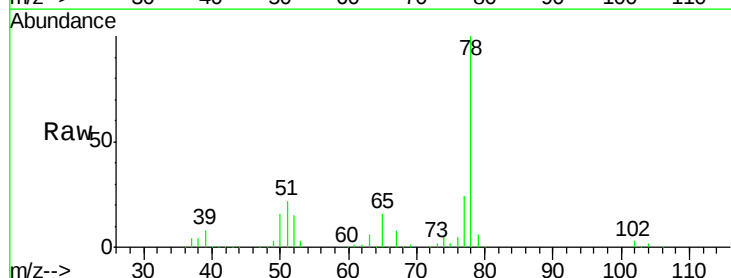
Manual Integrations
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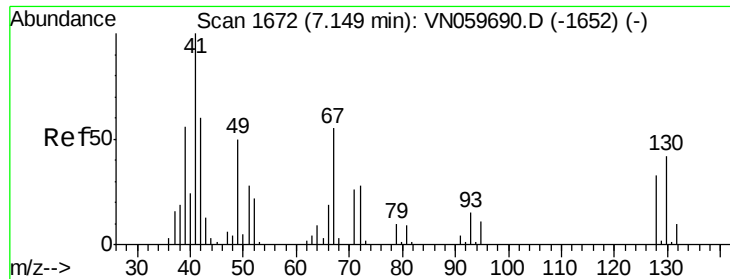
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#40
Benzene
Concen: 47.360 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





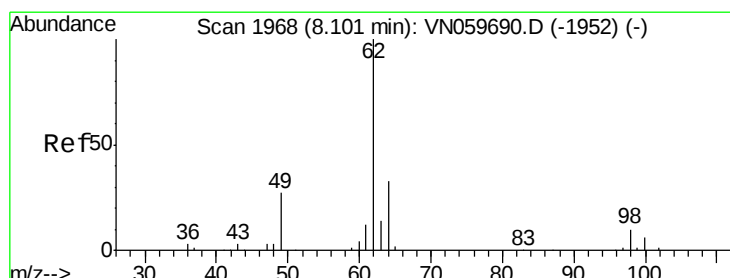
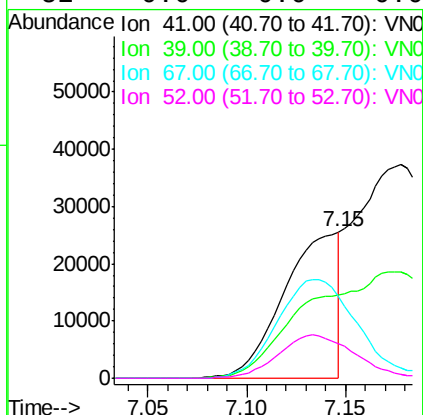
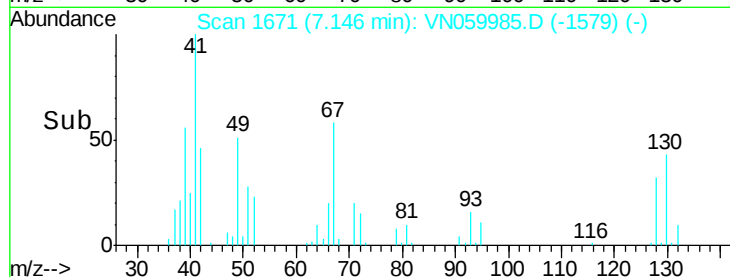
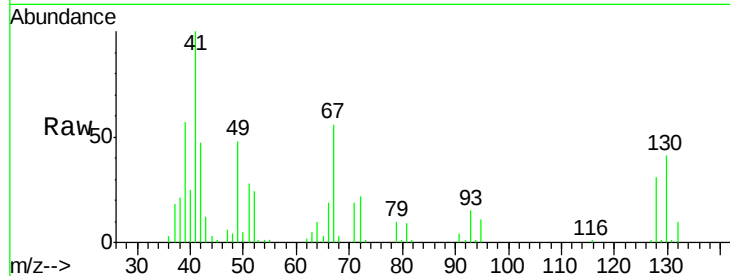
#41
Methacrylonitrile
Concen: 41.029 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	179.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

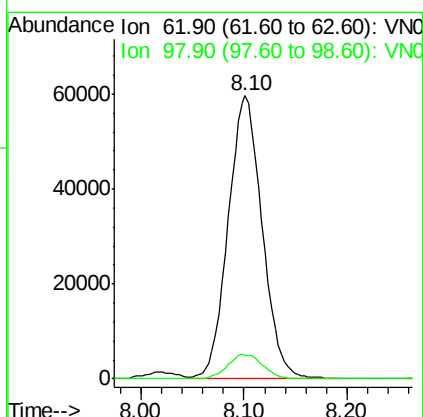
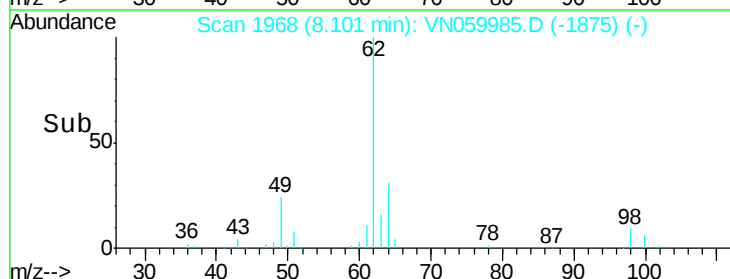
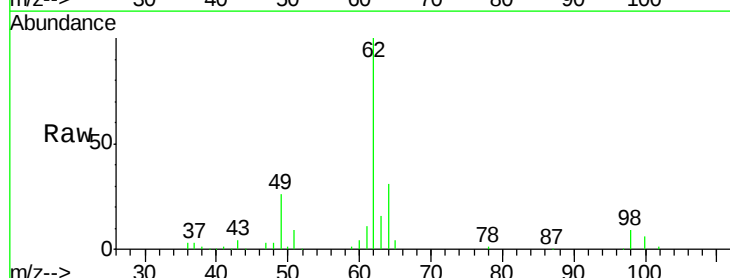
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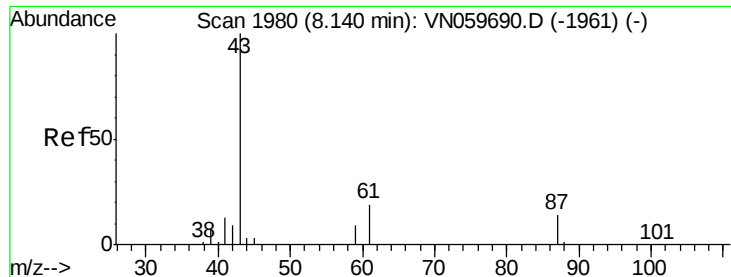
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.189 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	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

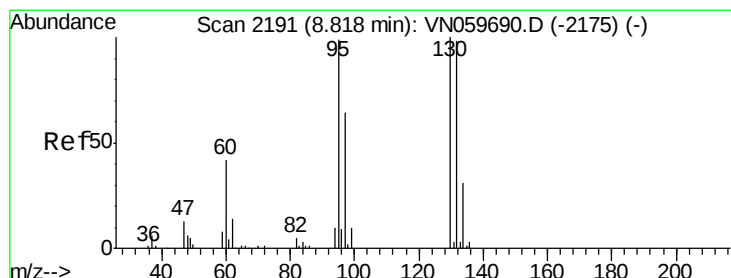
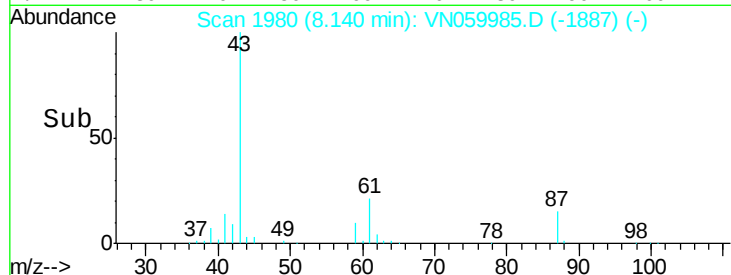
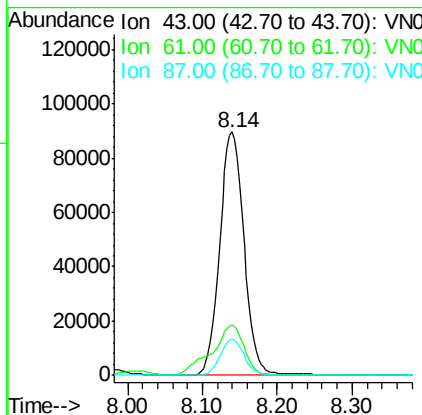
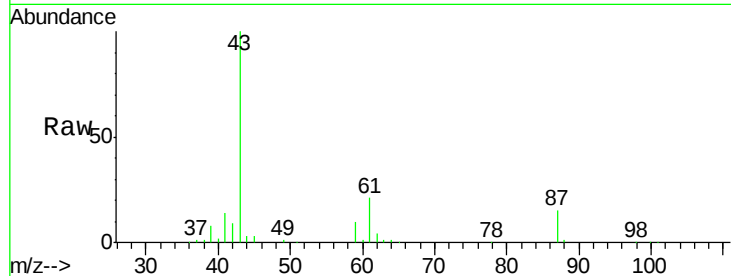
ClientSampleId :

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#

Manual Integrations
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#44

Trichloroethene

Concen: 49.352 ug/l

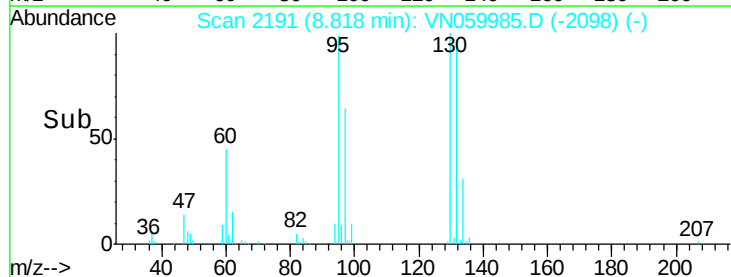
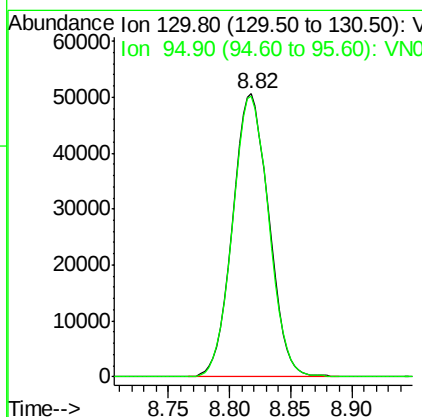
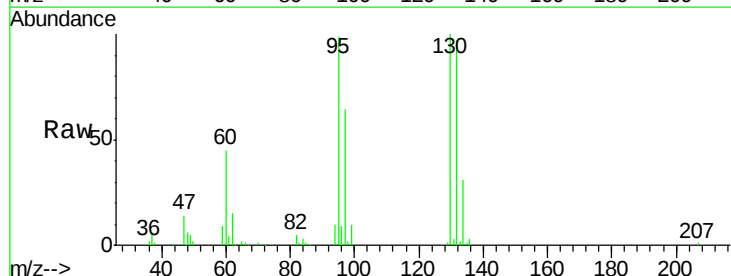
RT: 8.82 min Scan# 2191

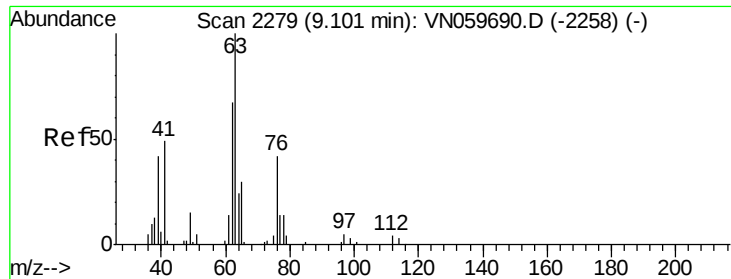
Delta R.T. 0.00 min

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





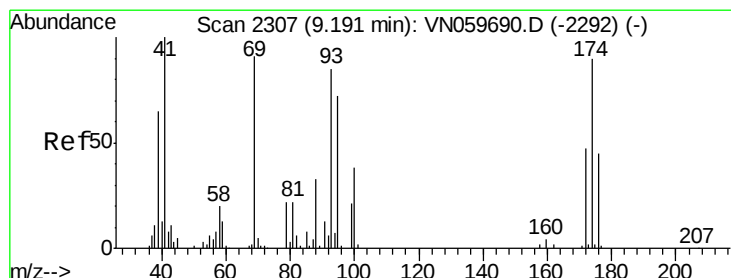
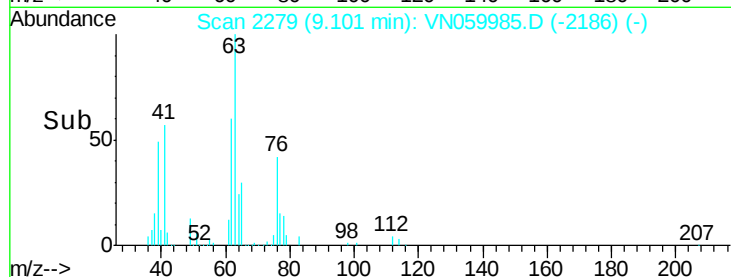
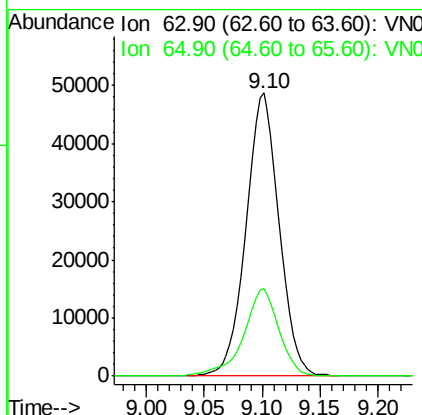
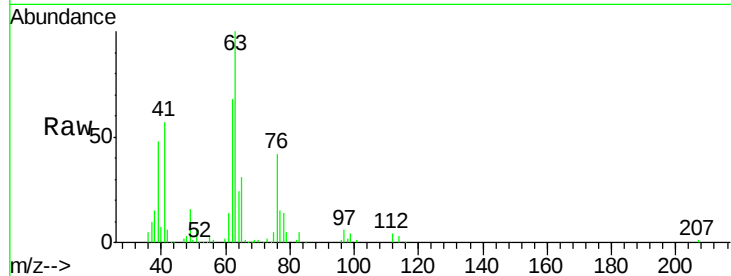
#45
 1,2-Dichloropropane
 Concen: 50.689 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

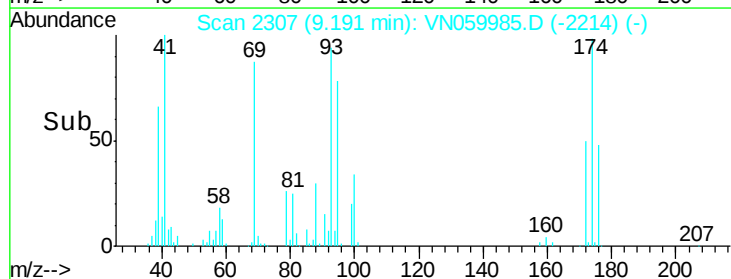
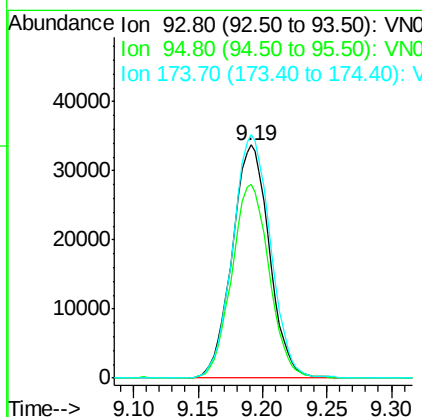
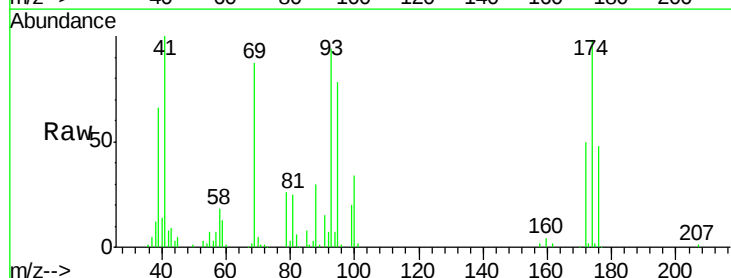
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#46
 Dibromomethane
 Concen: 50.225 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

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





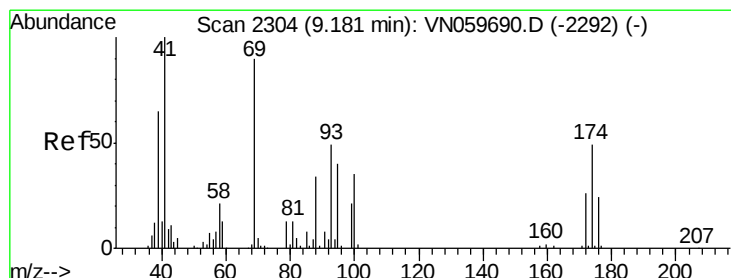
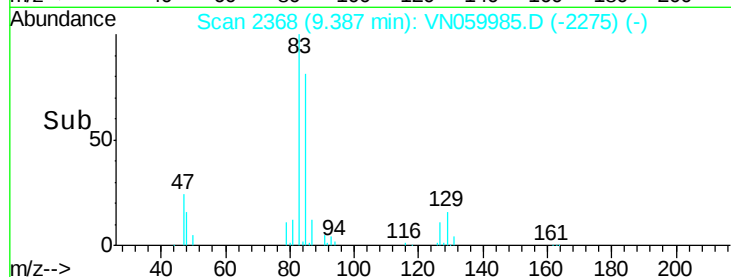
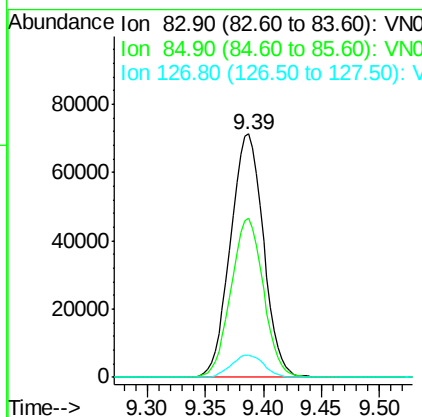
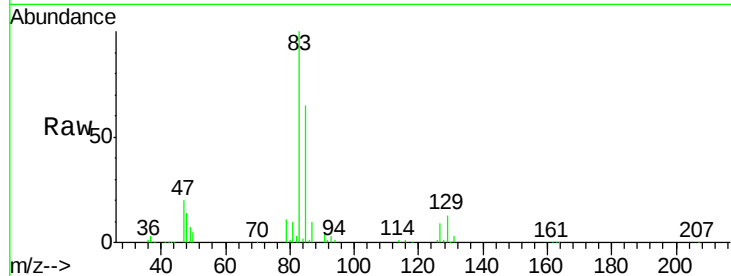
#47
Bromodichloromethane
Concen: 51.818 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

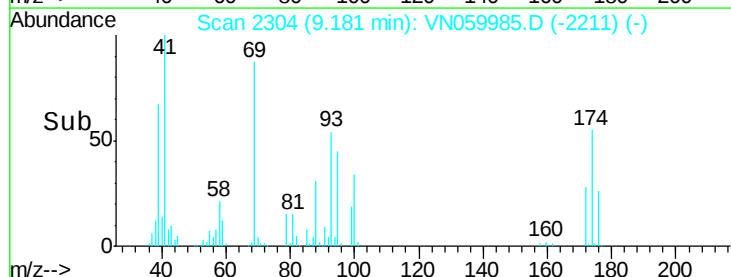
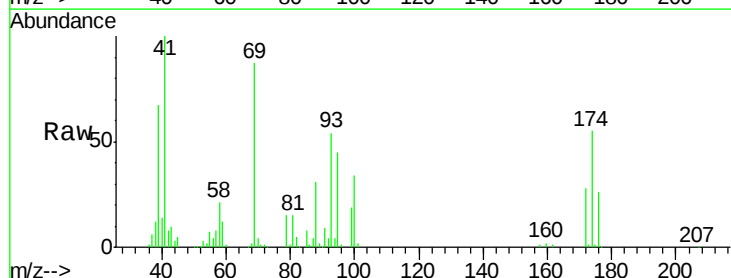
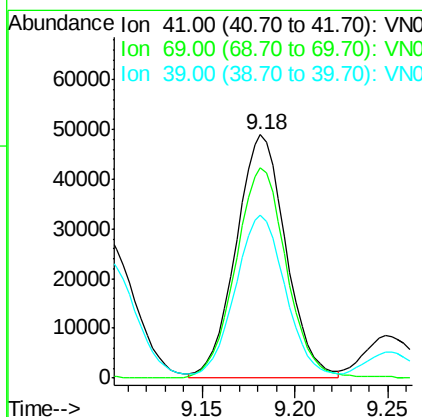
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#48
Methyl methacrylate
Concen: 48.721 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





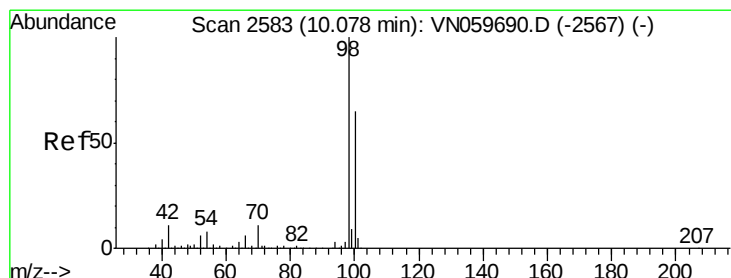
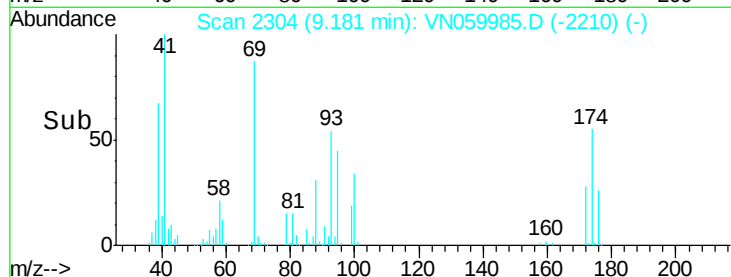
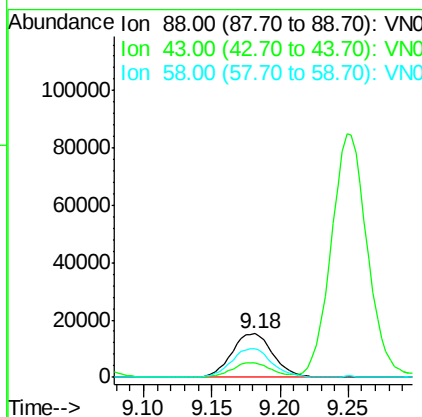
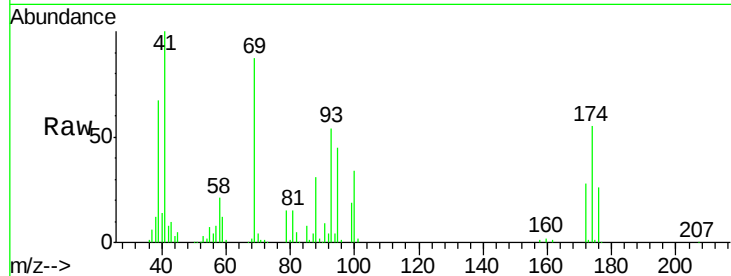
#49
1,4-Dioxane
Concen: 945.053 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
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

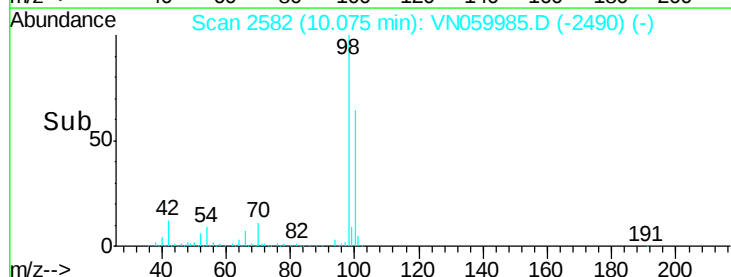
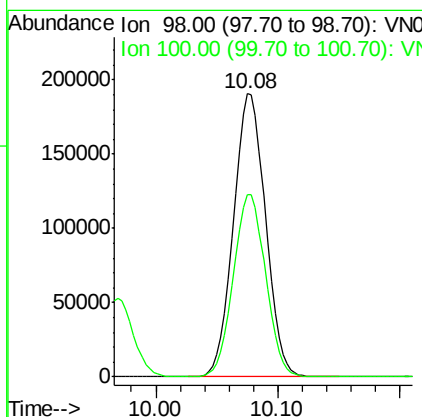
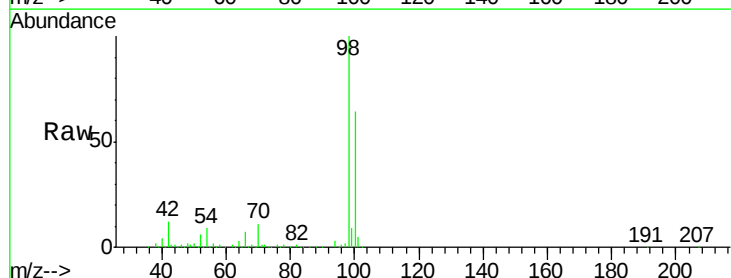
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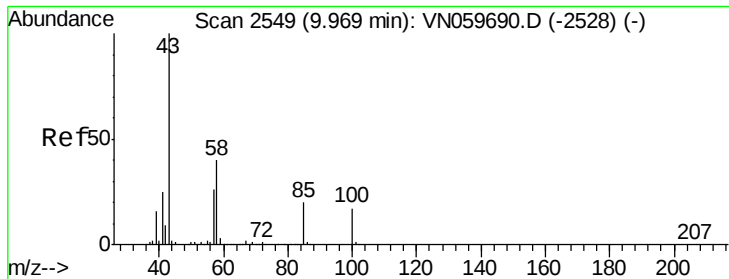
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#50
Toluene-d8
Concen: 50.577 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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

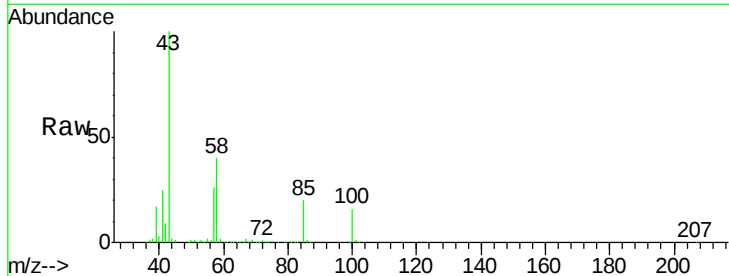
58 39.8 29.8 44.8

Manual Integrations

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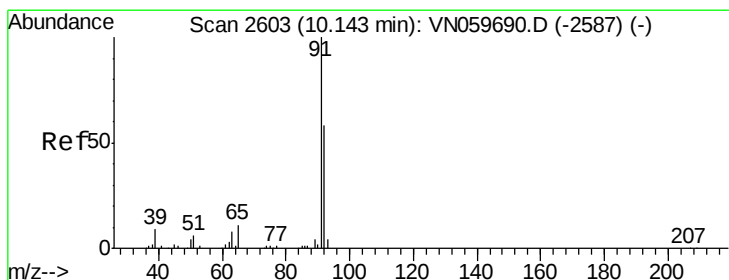
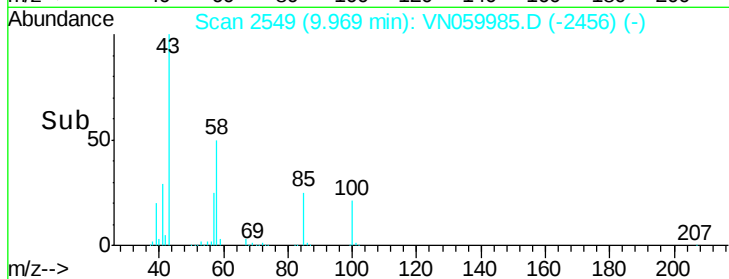
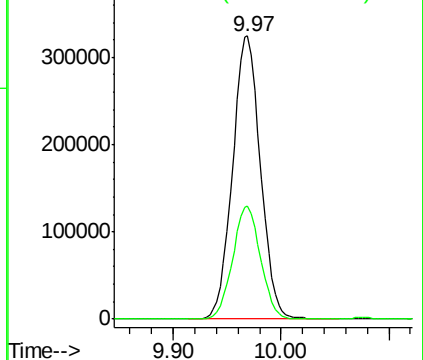
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.033 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059985.D

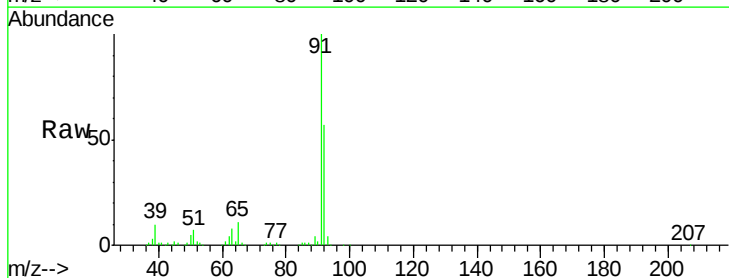
Acq: 4 Feb 2020 10:40

Tgt Ion: 92 Resp: 239451

Ion Ratio Lower Upper

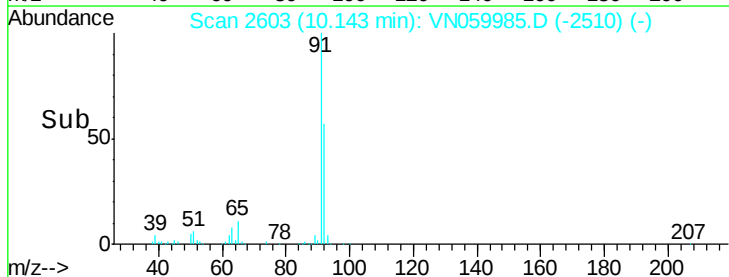
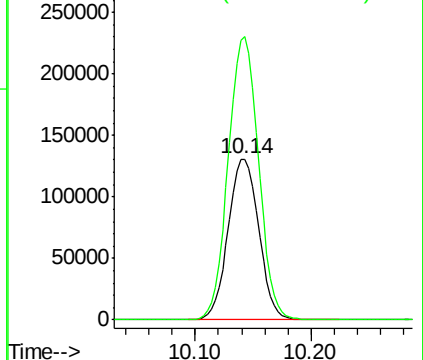
92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





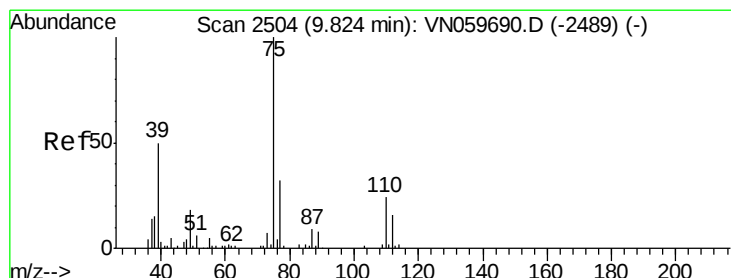
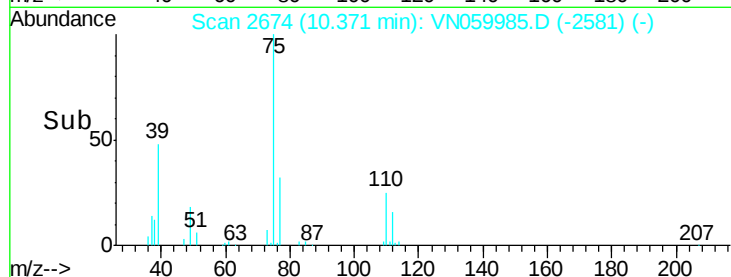
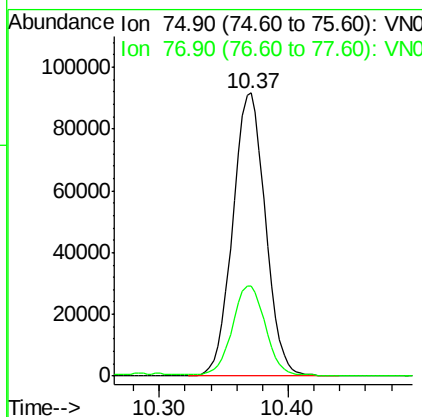
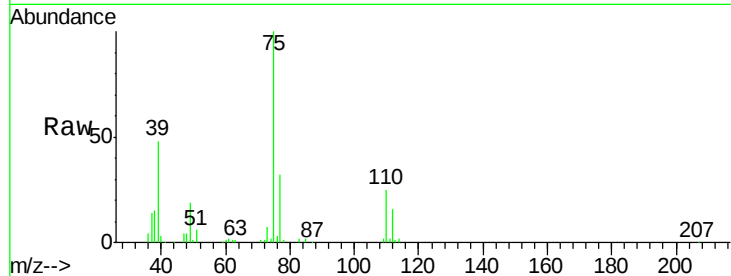
#53
t-1,3-Dichloropropene
Concen: 53.238 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 161662
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

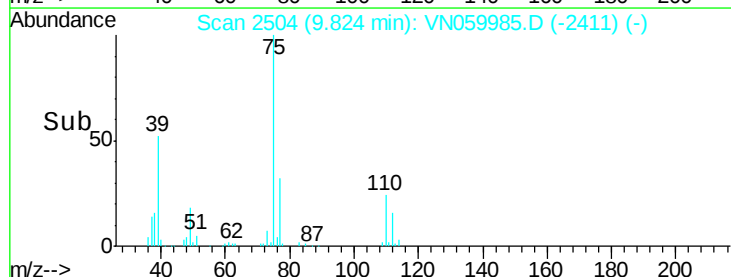
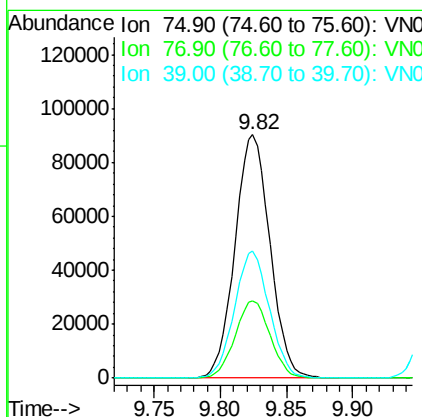
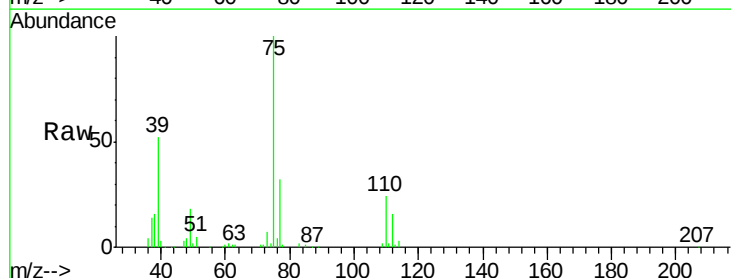
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#54
cis-1,3-Dichloropropene
Concen: 51.919 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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

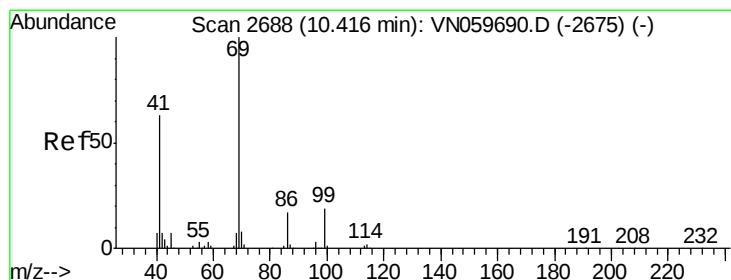
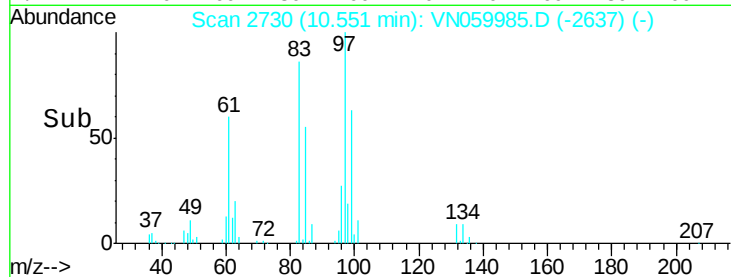
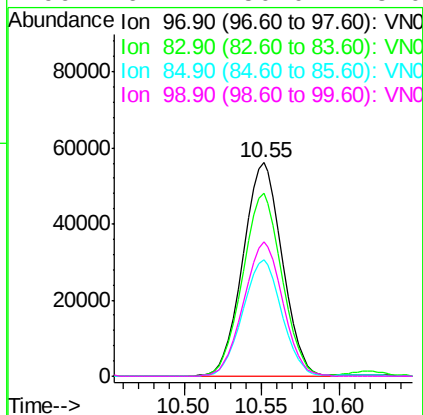
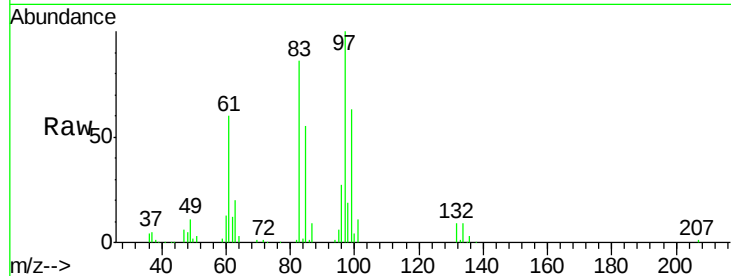
ClientSampleId :

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

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#56

Ethyl methacrylate

Concen: 48.910 ug/l

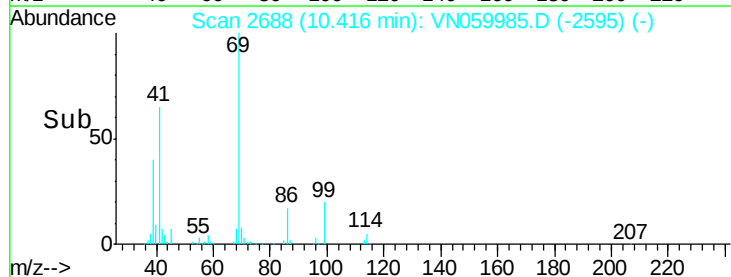
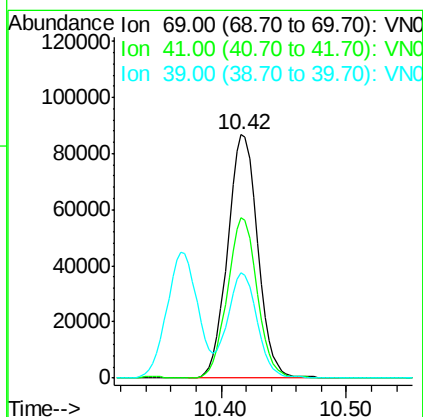
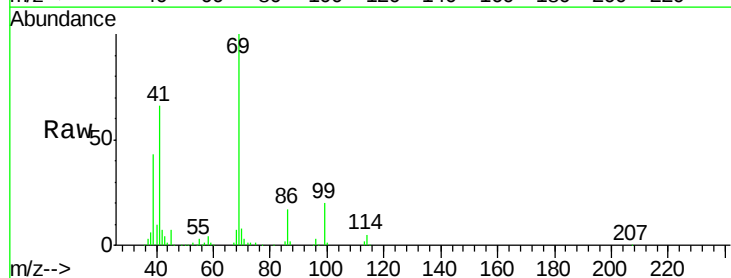
RT: 10.42 min Scan# 2688

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





#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

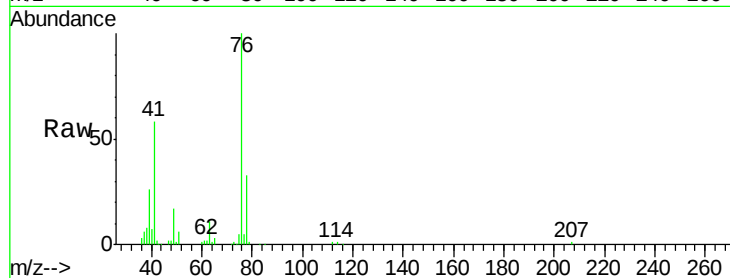
76 100

78 32.4 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

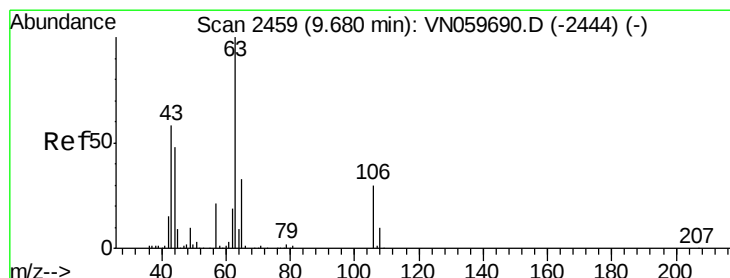
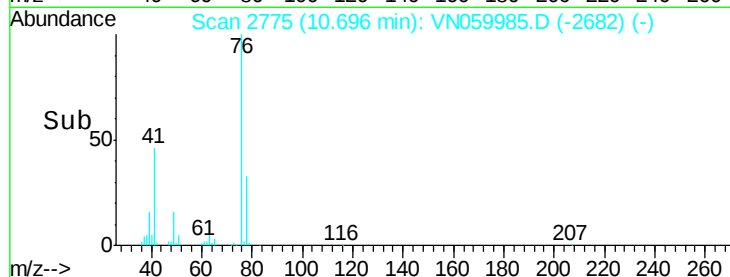
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#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

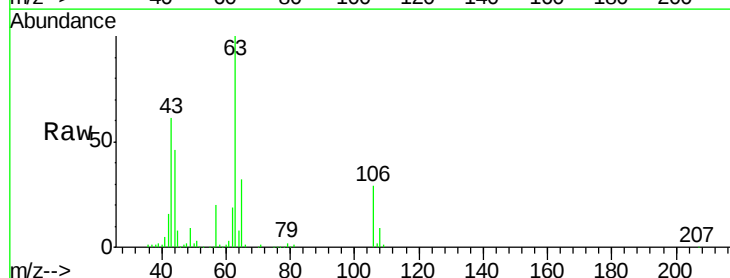
Acq: 4 Feb 2020 10:40

Tgt Ion: 63 Resp: 260061

Ion Ratio Lower Upper

63 100

106 28.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

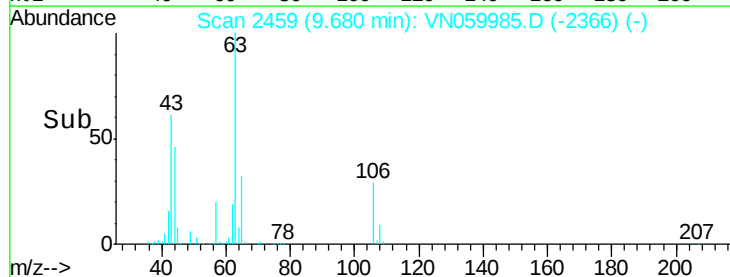
150000

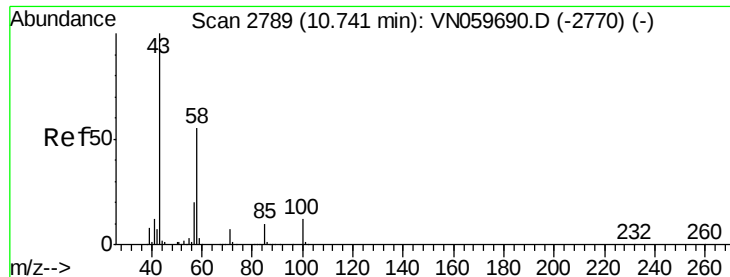
100000

50000

0

Time--> 9.60 9.70 9.80





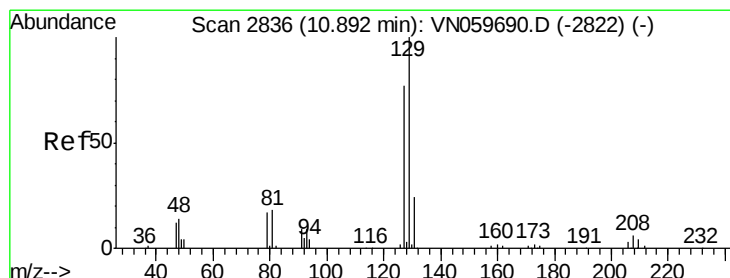
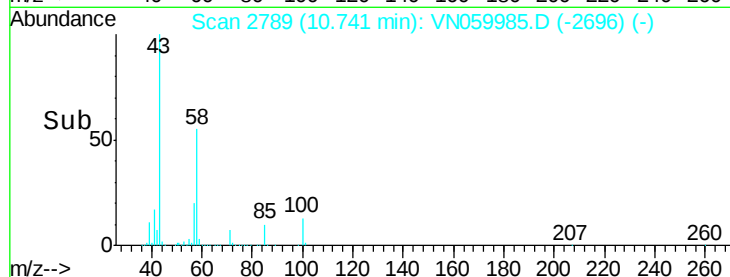
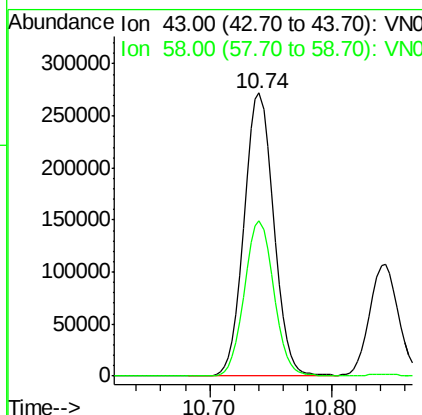
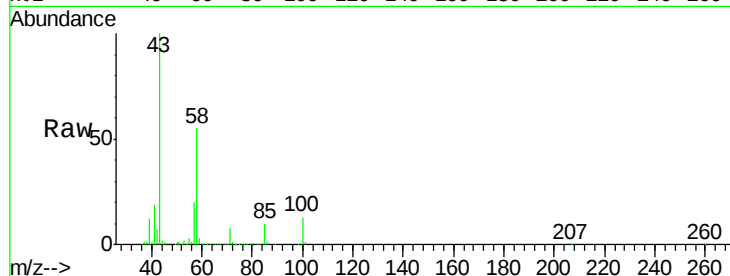
#59
2-Hexanone
Concen: 254.940 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

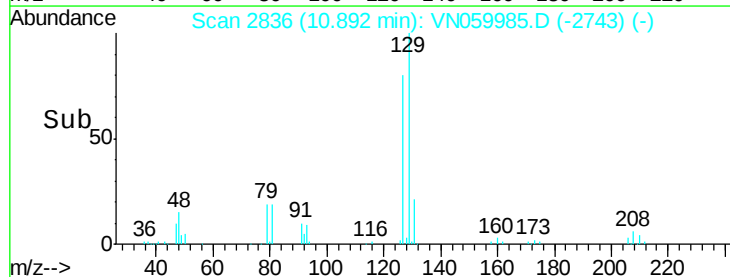
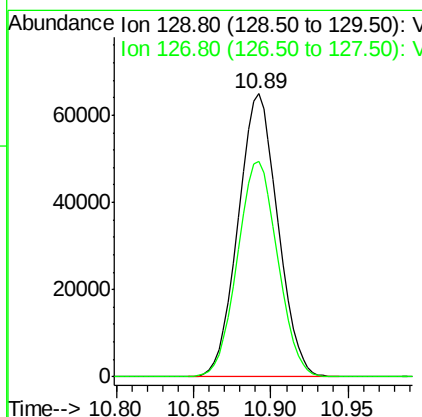
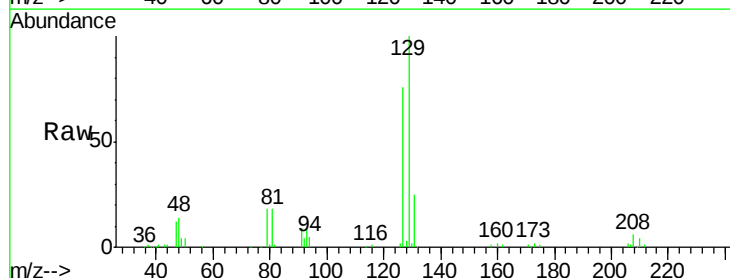
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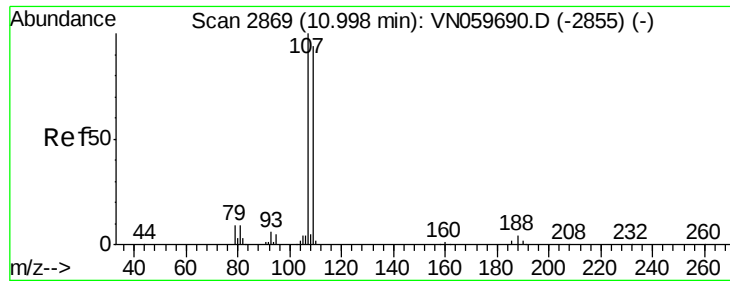
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#60
Dibromochloromethane
Concen: 52.538 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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





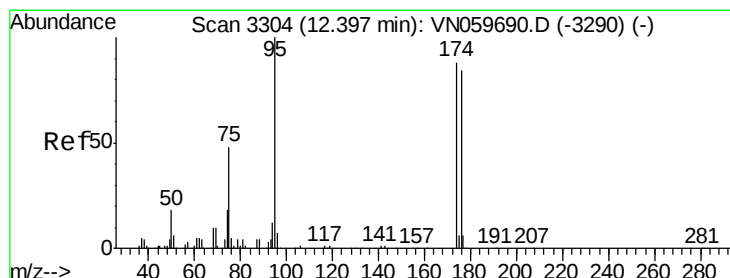
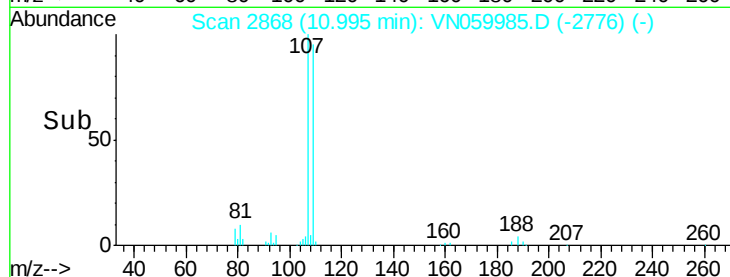
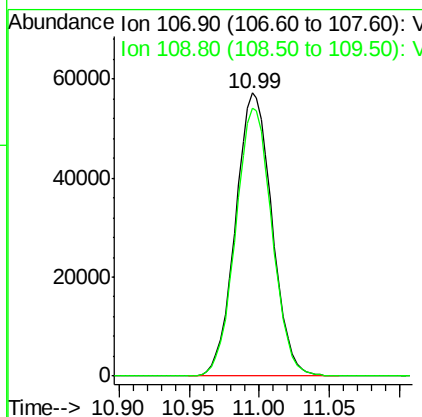
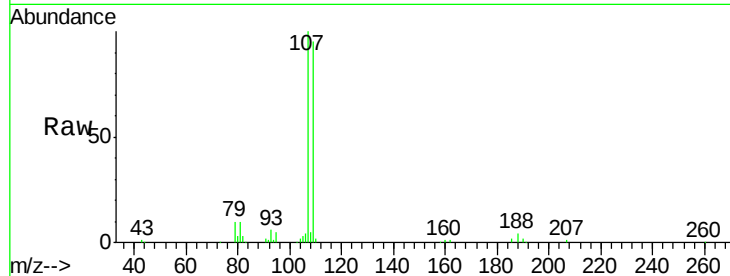
#61
 1,2-Dibromoethane
 Concen: 51.097 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

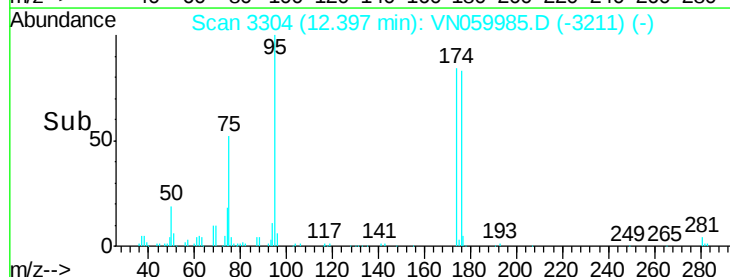
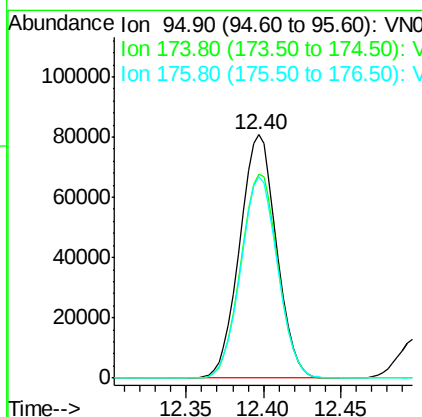
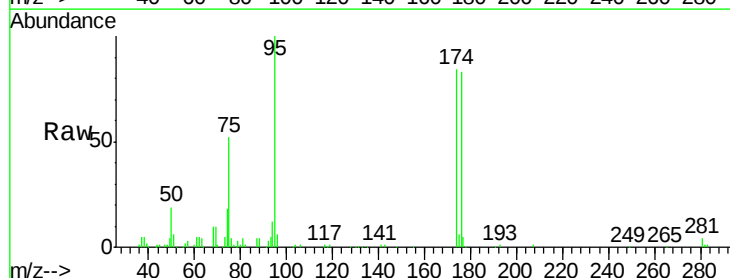
Manual Integrations
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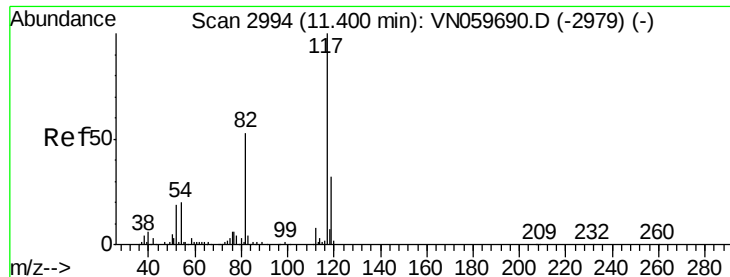
MMDadoda
 2/5/2020 12:20:56 PM



#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





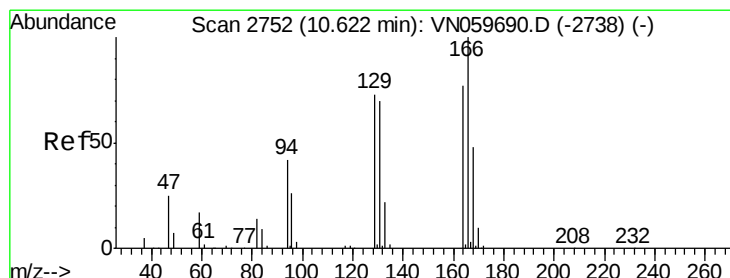
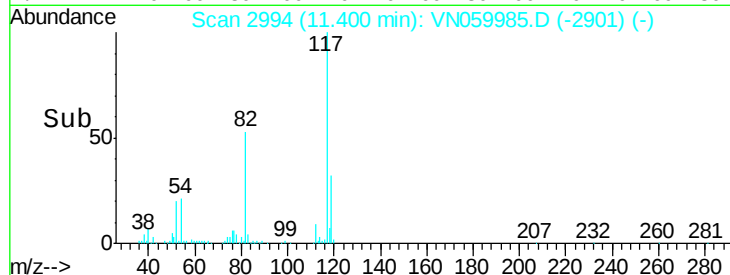
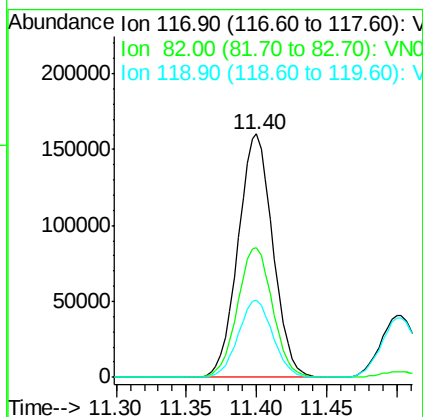
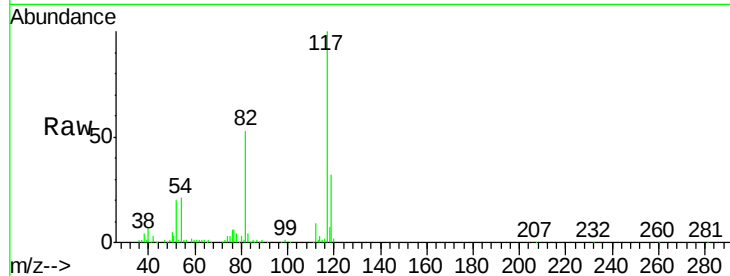
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

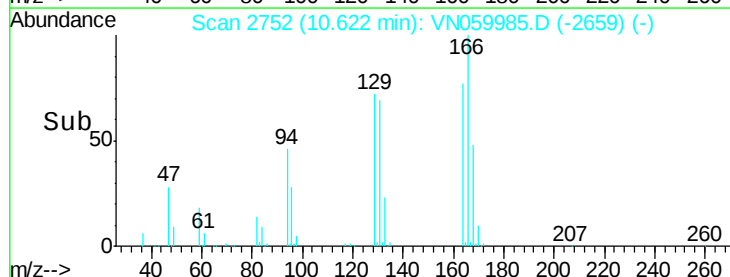
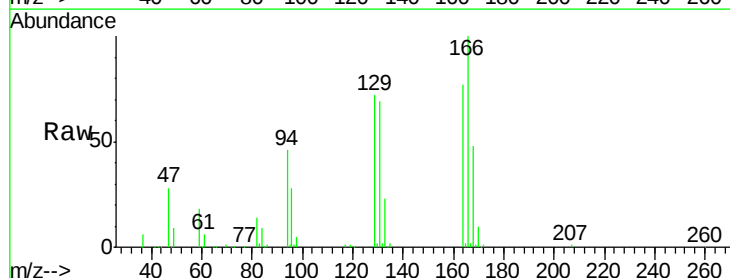
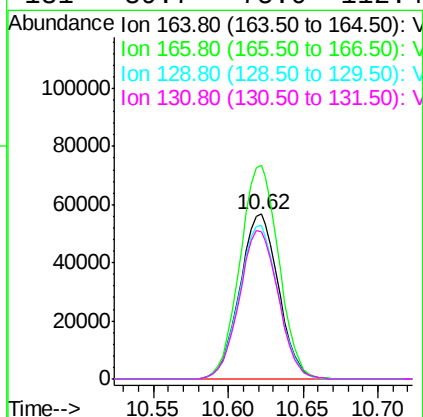
Manual Integrations
APPROVED

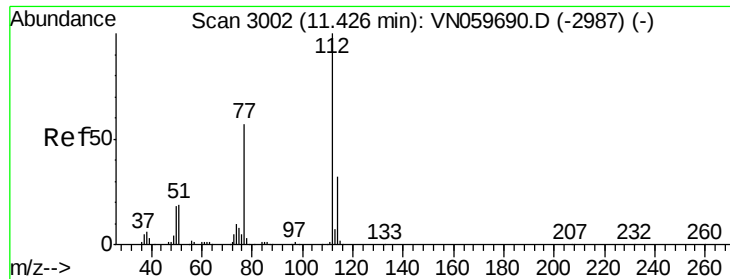
MMDadoda
2/5/2020 12:20:56 PM



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





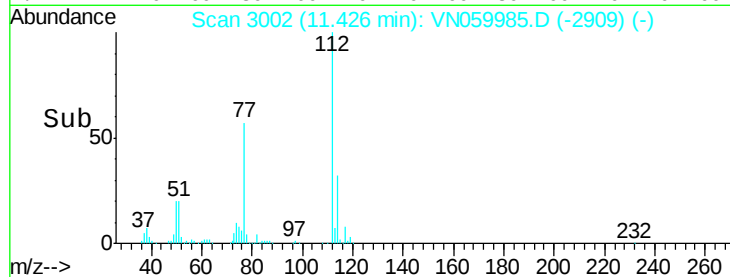
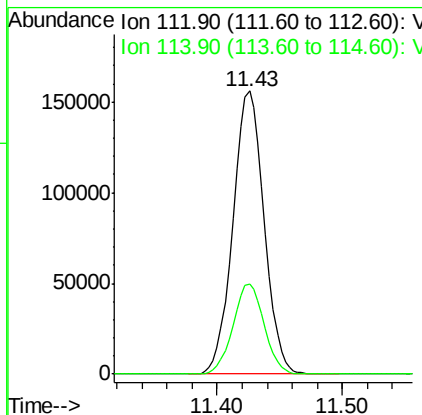
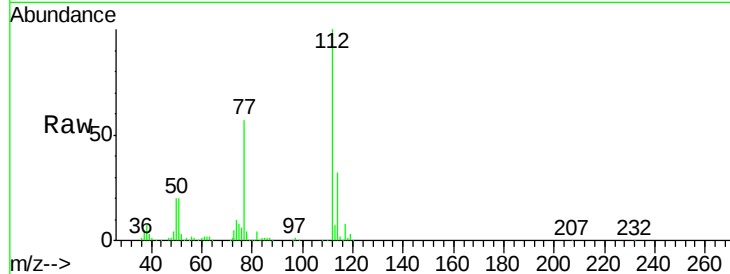
#65
Chlorobenzene
Concen: 49.386 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

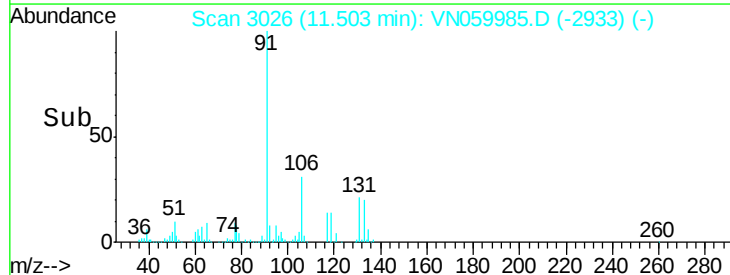
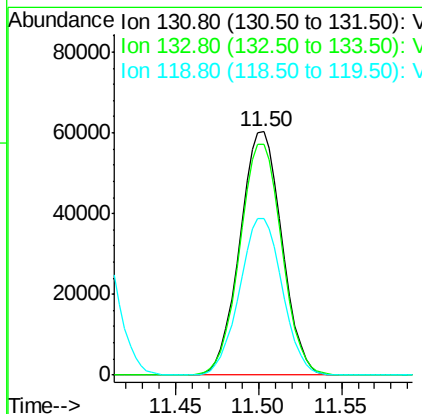
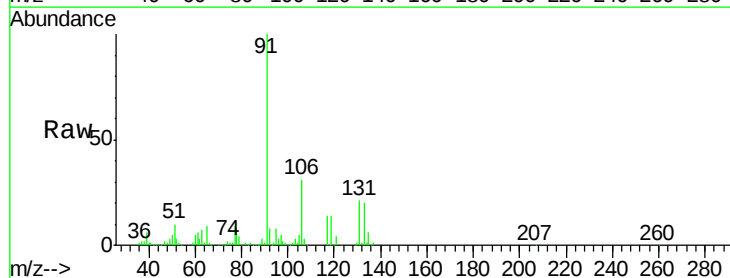
Manual Integrations
APPROVED

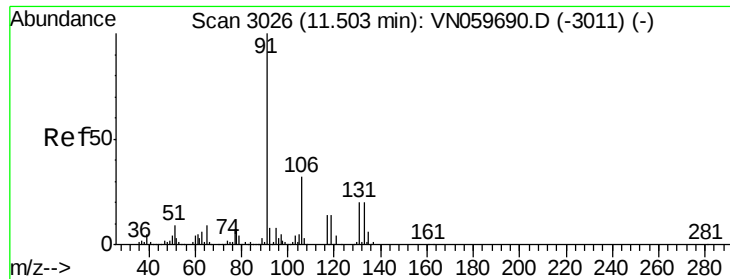
MMDadoda
2/5/2020 12:20:56 PM



#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	Ratio	Lower	Upper
131	100		
133	95.4	47.4	142.2
119	65.5	33.1	99.3





#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

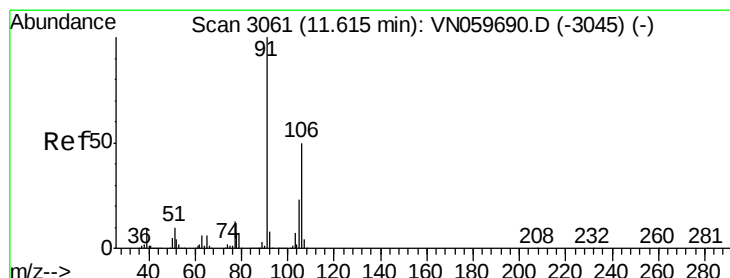
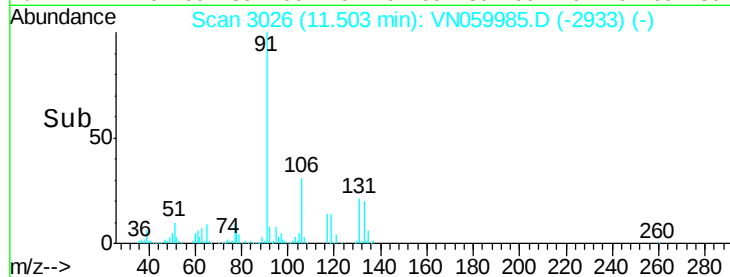
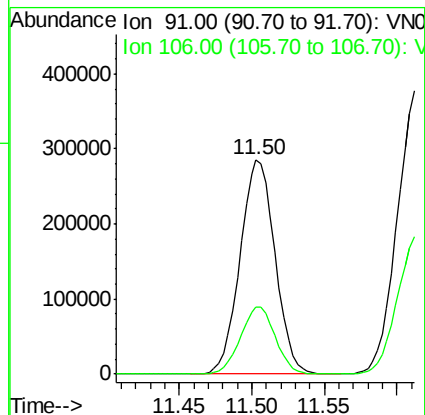
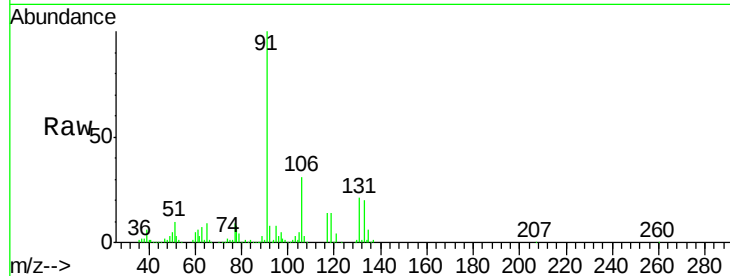
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1

Manual Integrations
APPROVED

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#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

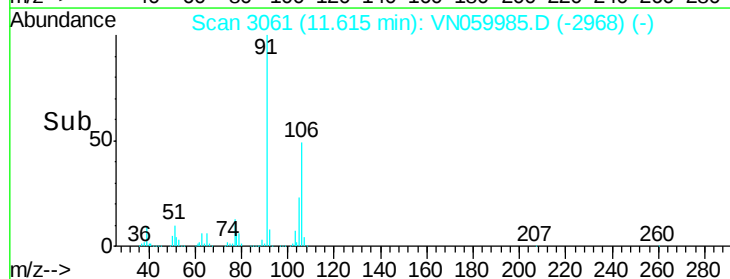
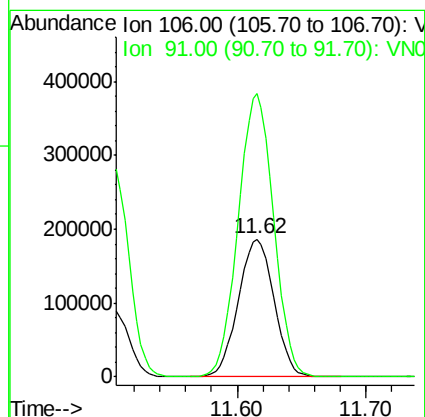
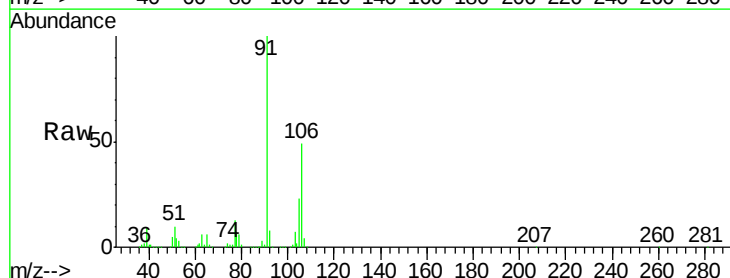
Acq: 4 Feb 2020 10:40

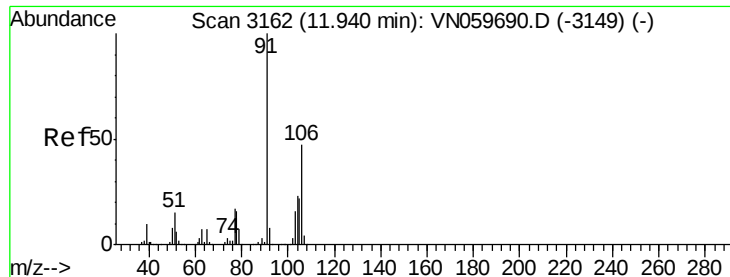
Tgt Ion: 106 Resp: 358450

Ion Ratio Lower Upper

106 100

91 203.9 167.9 251.9





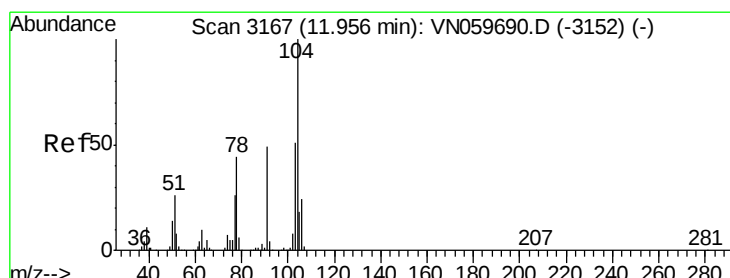
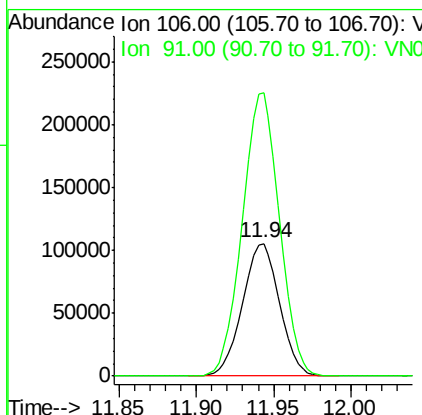
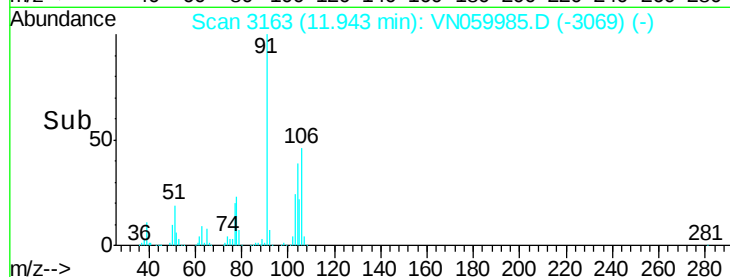
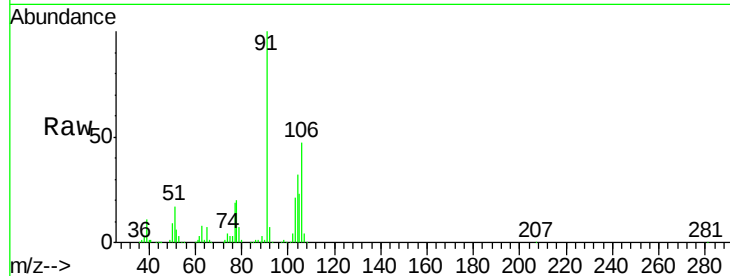
#69
o-Xylene
Concen: 48.318 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

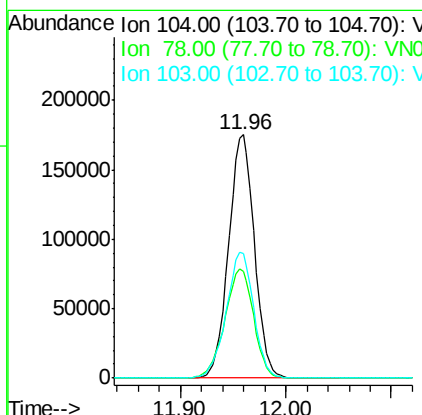
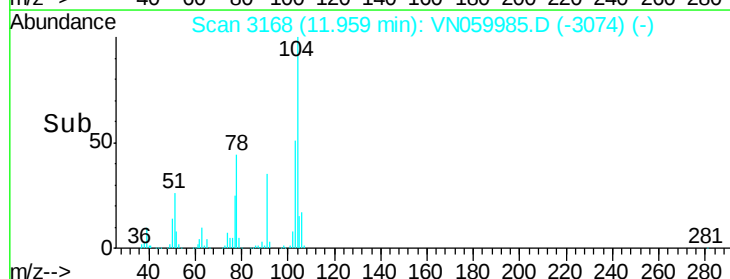
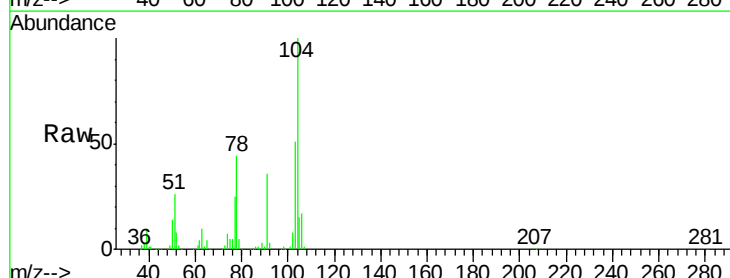
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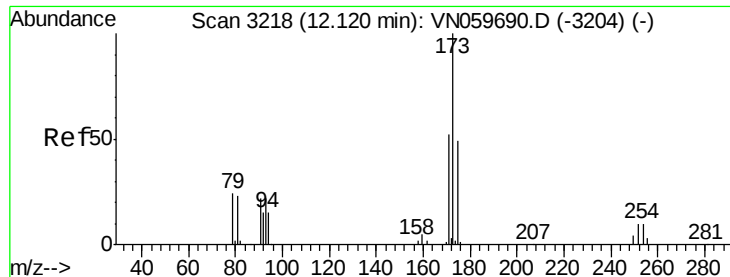
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#70
Styrene
Concen: 48.499 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

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

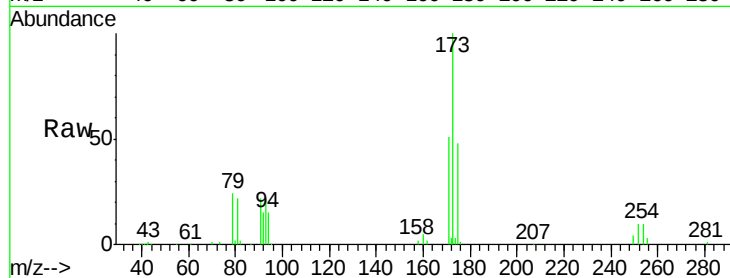
ClientSampleId :

VSTDCCC050

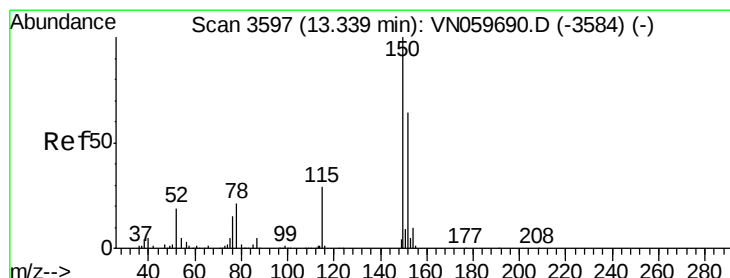
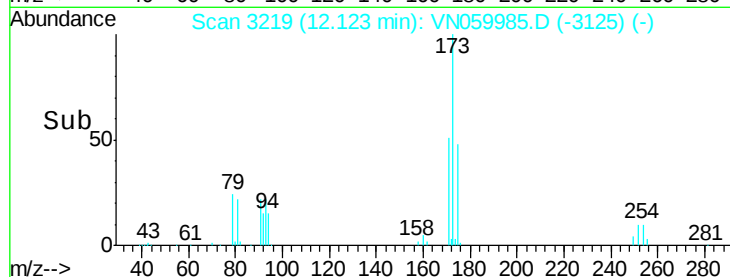
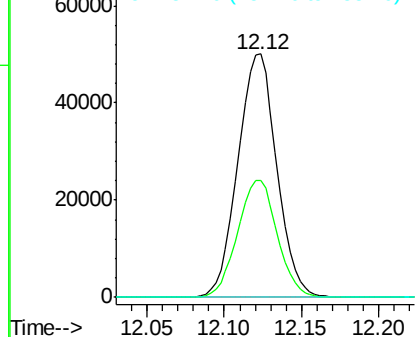
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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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

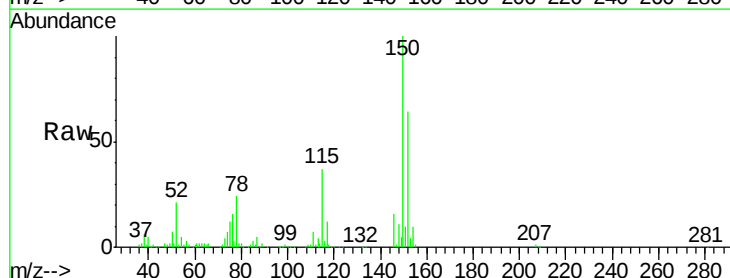
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

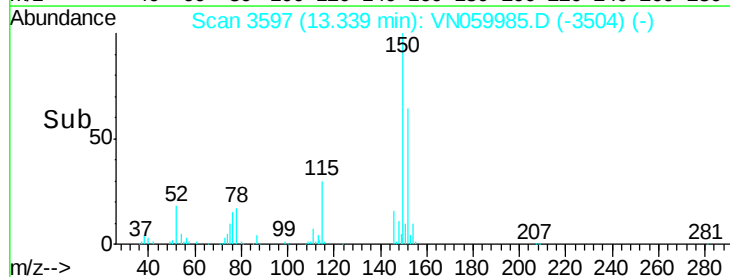
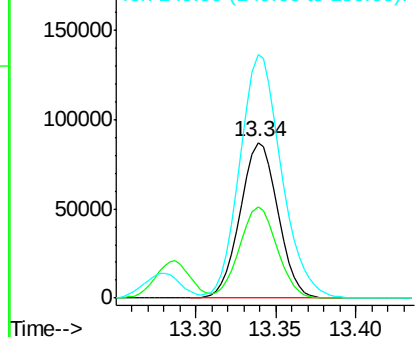
Lab File: VN059985.D

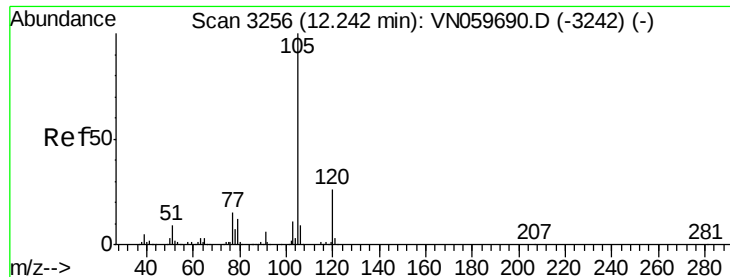
Acq: 4 Feb 2020 10:40

Tgt Ion	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





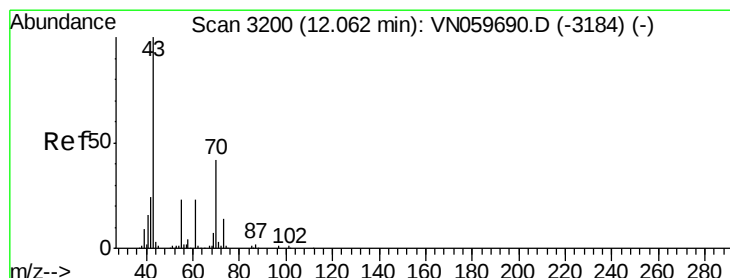
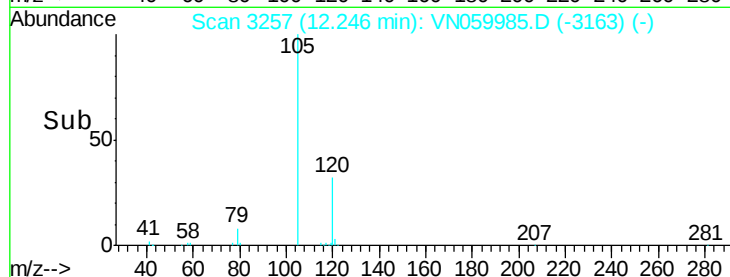
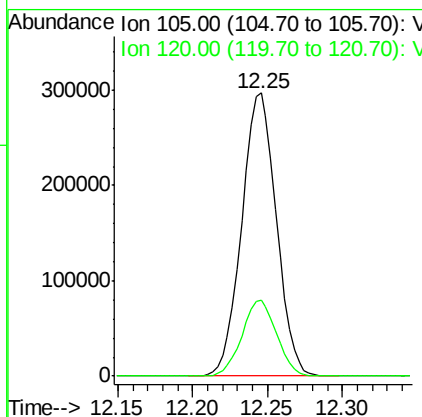
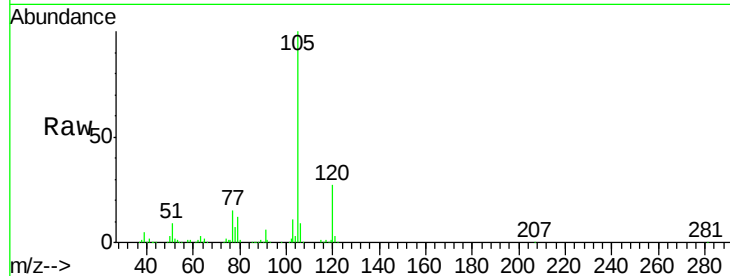
#73
Isopropylbenzene
Concen: 46.682 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5

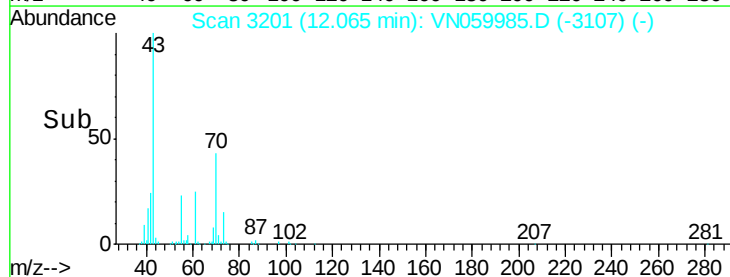
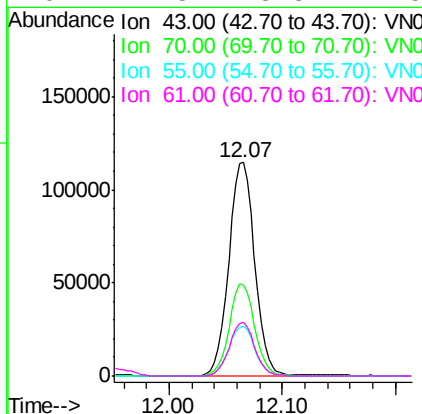
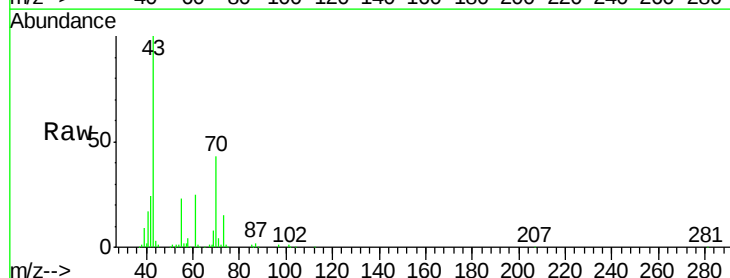
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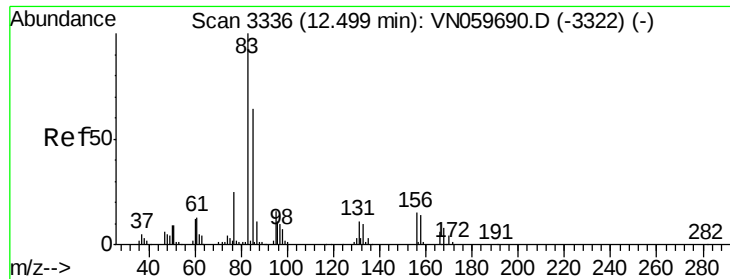
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#74
N-ethyl acetate
Concen: 45.832 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	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





#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

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 140488

Ion Ratio Lower Upper

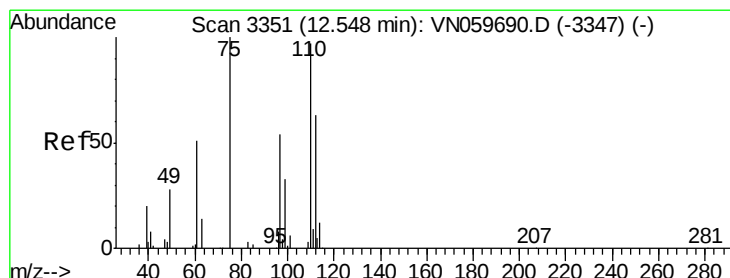
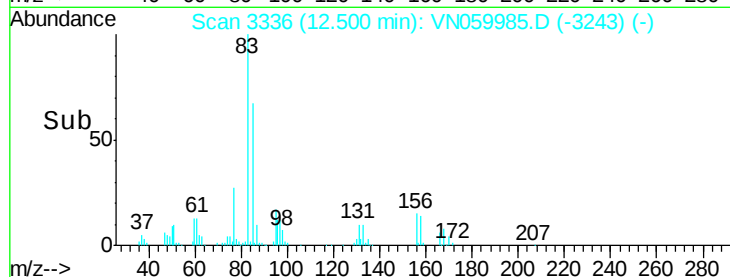
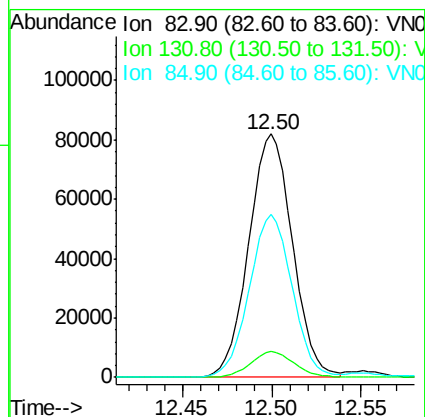
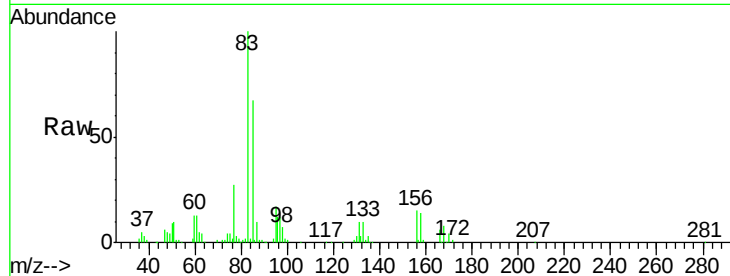
83 100

131 10.6 5.0 14.9

85 65.7 31.9 95.5

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#76

1,2,3-Trichloropropane

Concen: 54.834 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059985.D

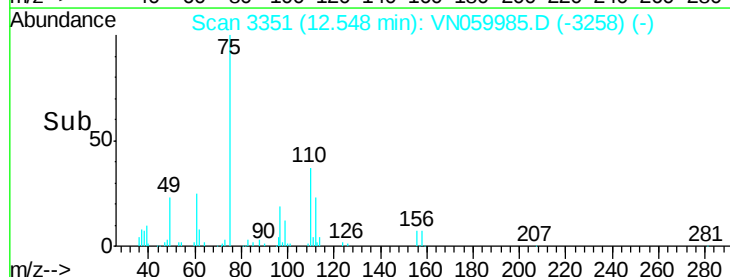
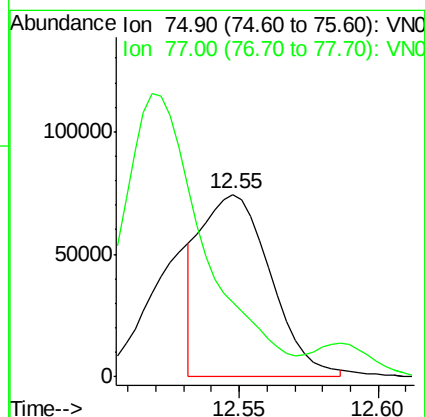
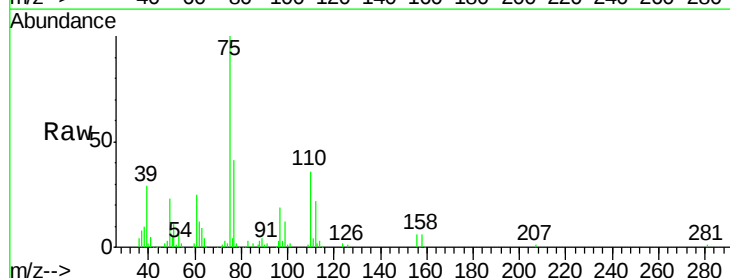
Acq: 4 Feb 2020 10:40

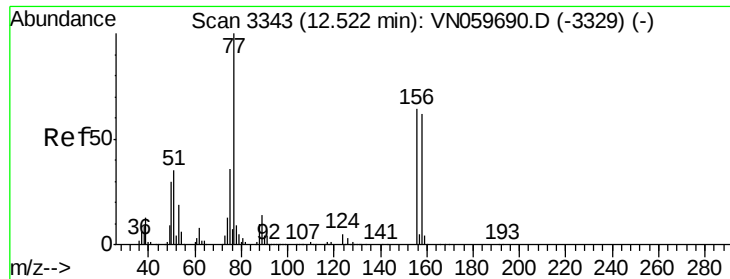
Tgt Ion: 75 Resp: 129103

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#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

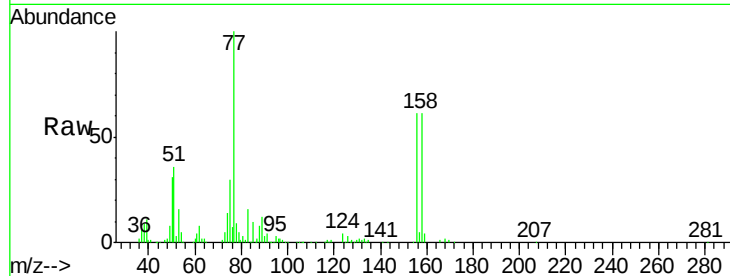
ClientSampled :

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

Manual Integrations
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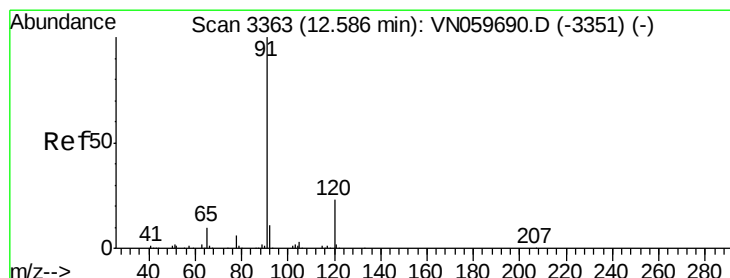
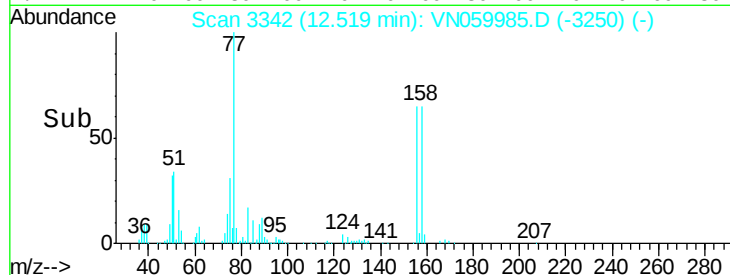
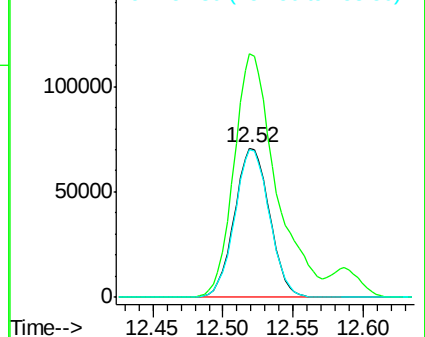
MMDadoda
2/5/2020 12:20:56 PM



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

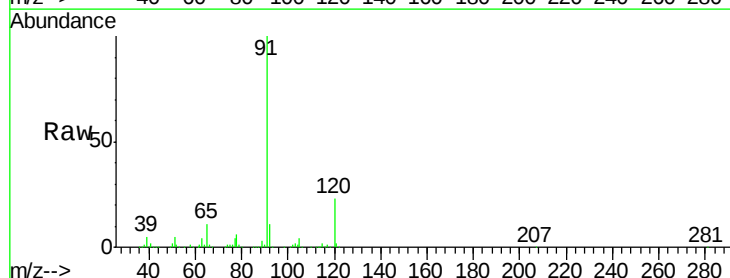
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059985.D

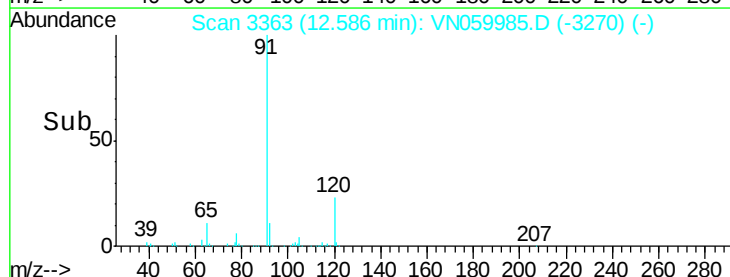
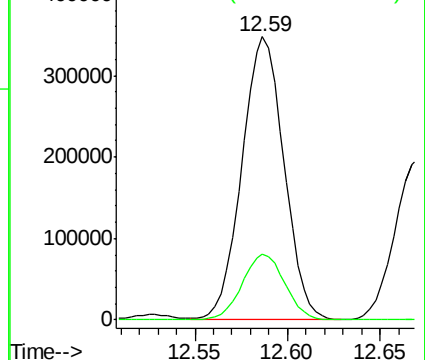
Acq: 4 Feb 2020 10:40

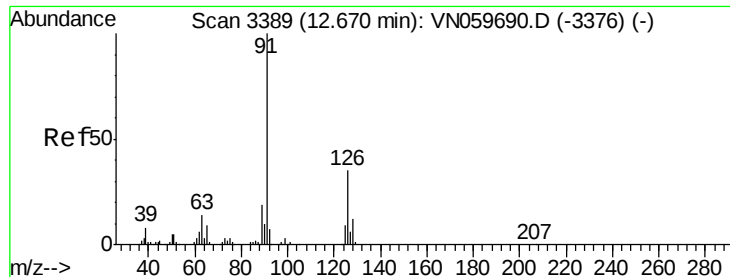
Tgt Ion:	91	Resp:	547468
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3



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

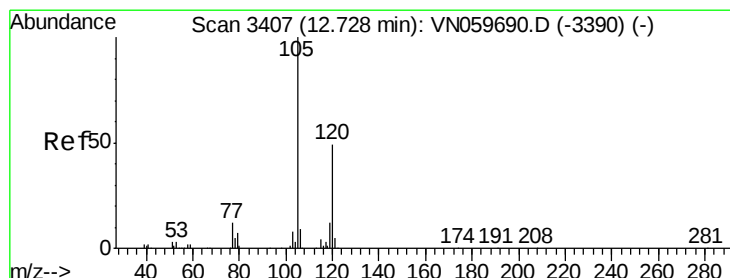
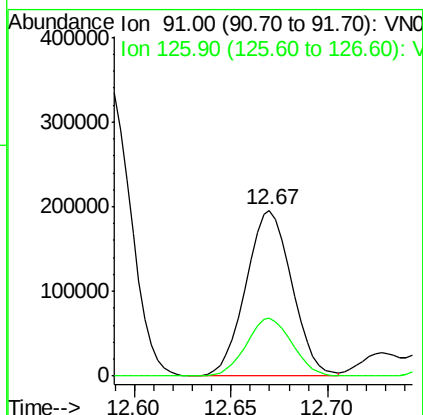
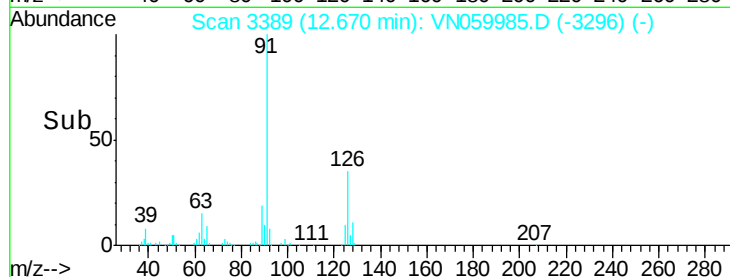
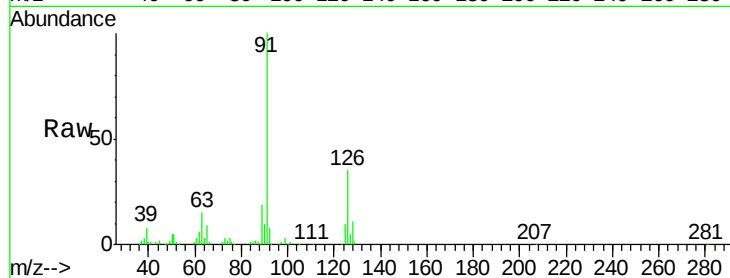
Ion Ratio Lower Upper

91 100

126 34.7 16.3 48.9

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#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

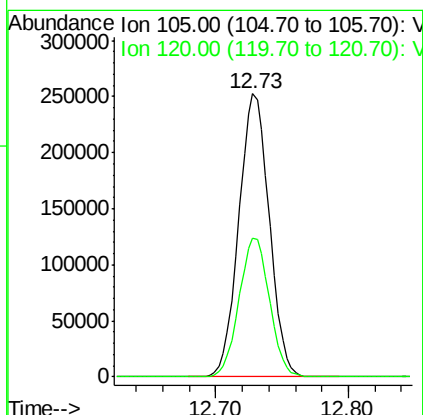
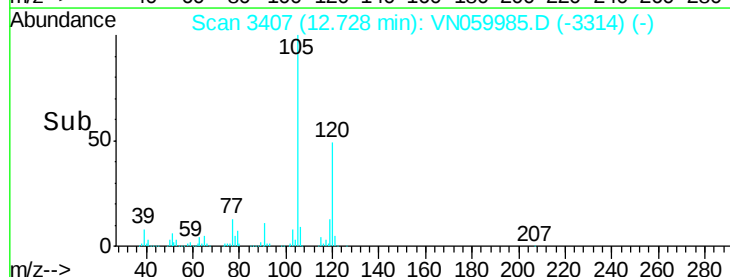
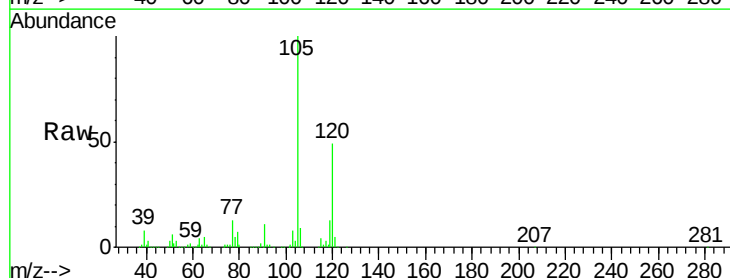
Acq: 4 Feb 2020 10:40

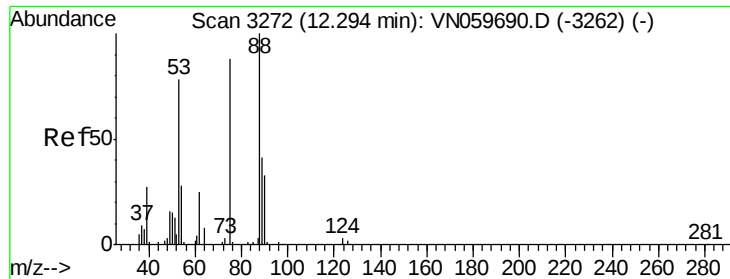
Tgt Ion: 105 Resp: 401530

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#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

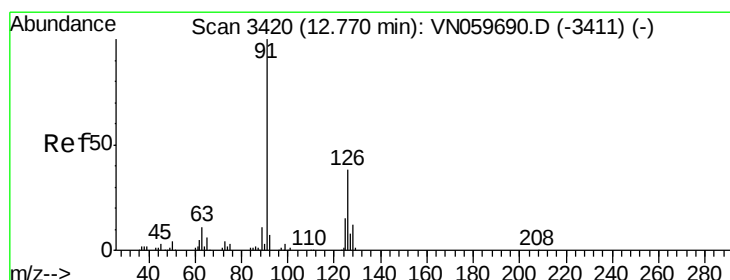
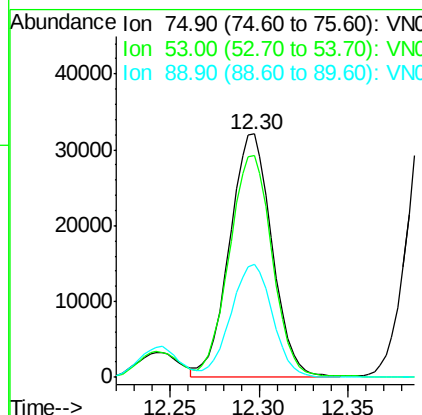
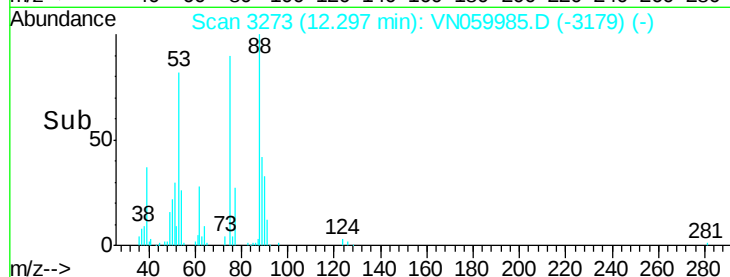
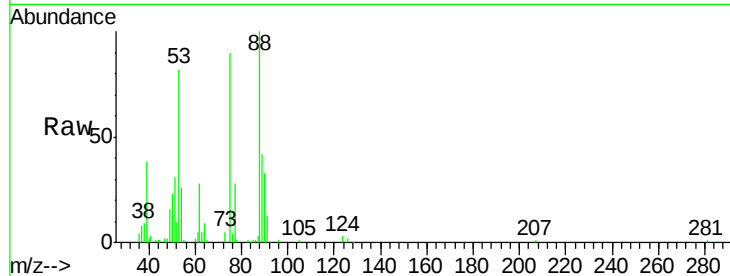
ClientSampleId :

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

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#82

4-Chlorotoluene

Concen: 49.200 ug/l

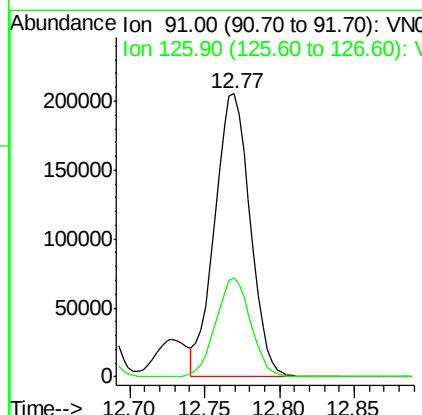
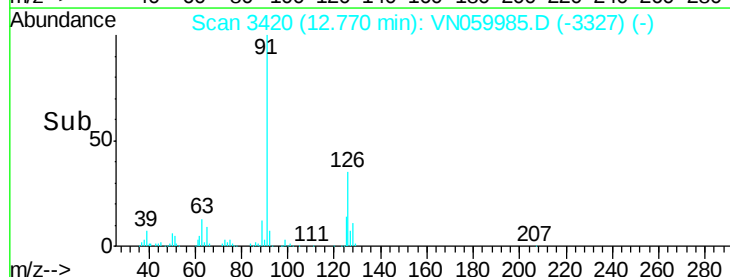
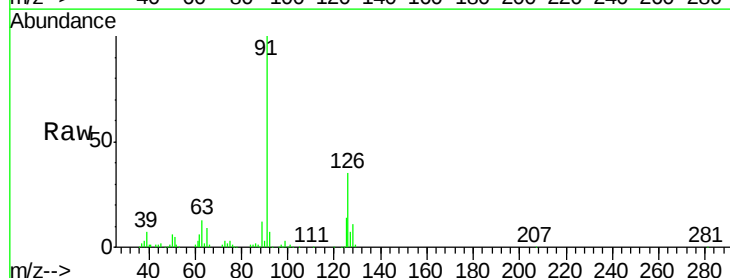
RT: 12.77 min Scan# 3420

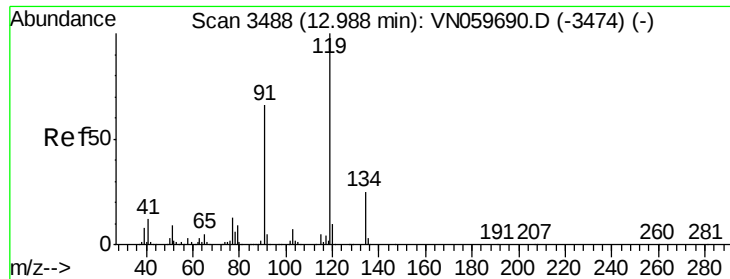
Delta R.T. 0.00 min

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





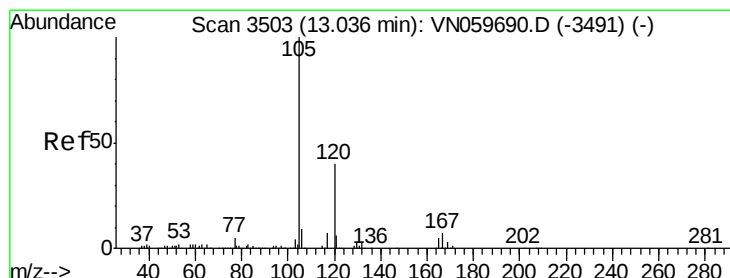
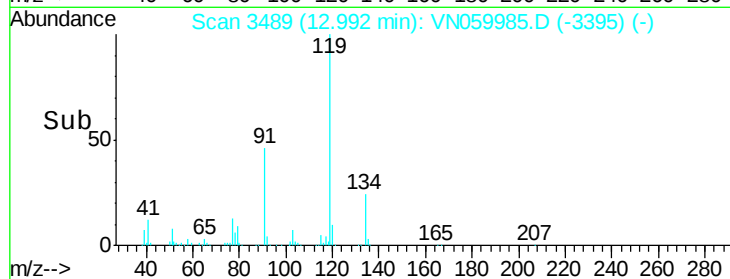
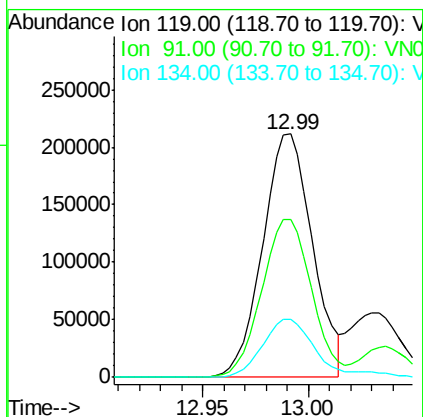
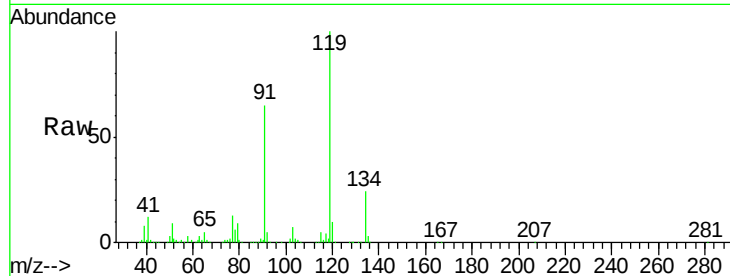
#83
tert-Butylbenzene
Concen: 46.615 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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

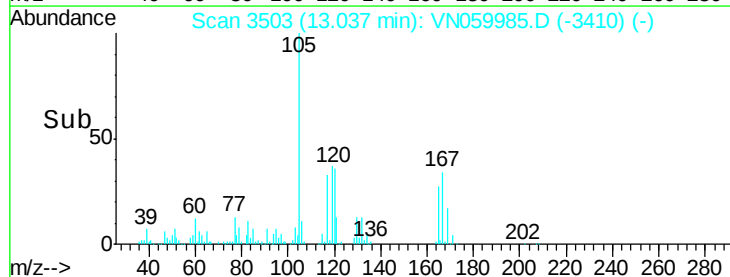
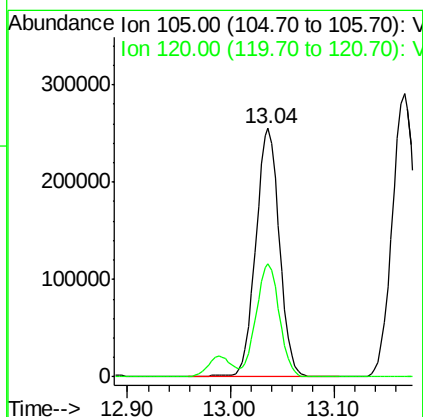
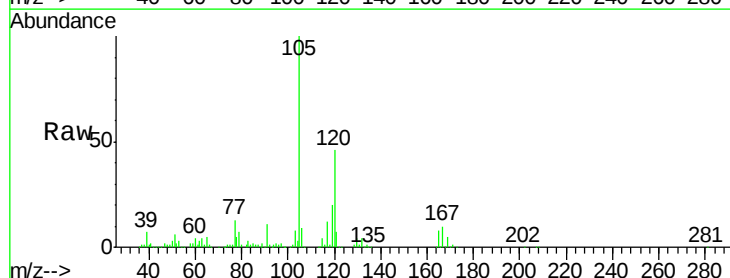
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 47.368 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





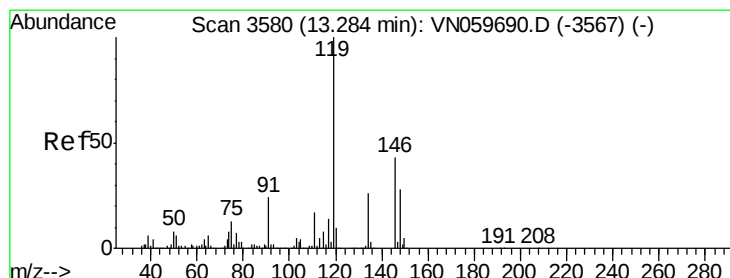
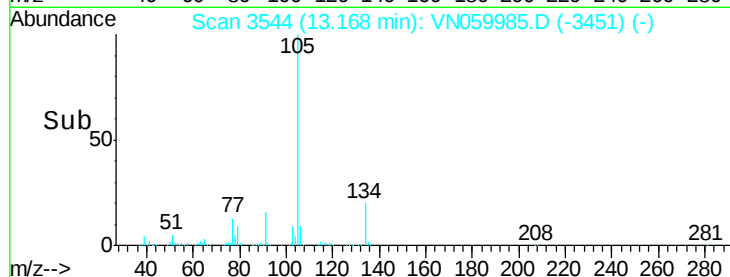
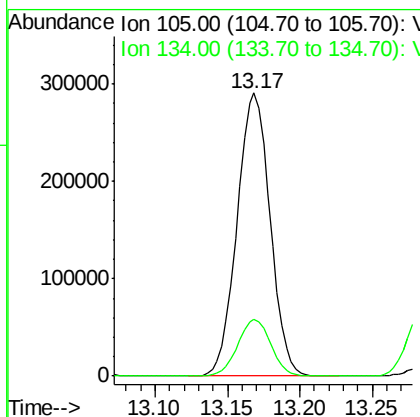
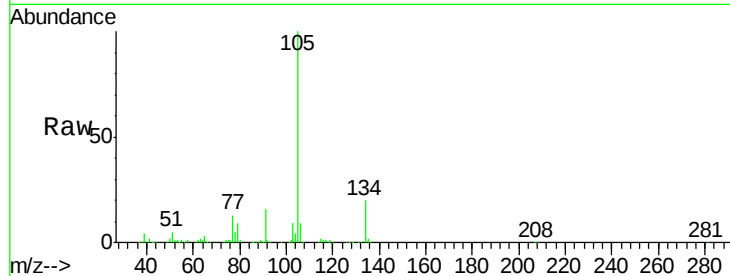
#85
 sec-Butylbenzene
 Concen: 46.972 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	460571		
134	20.0	9.8	29.5	

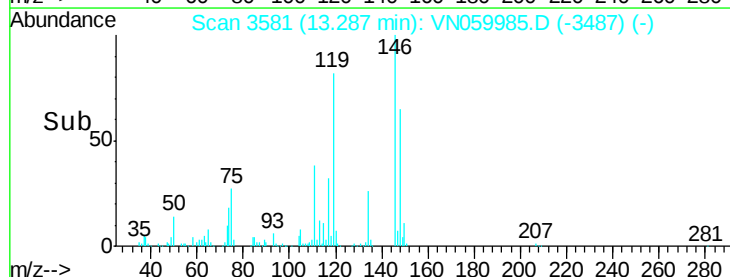
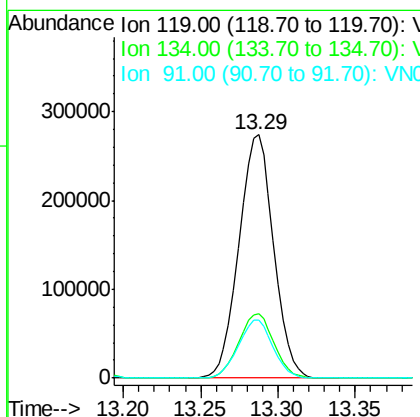
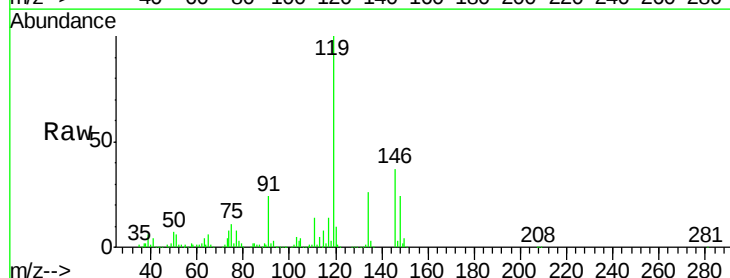
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 46.897 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059985.D
 Acq: 4 Feb 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	425491		
134	26.8	12.9	38.7	
91	23.9	12.4	37.4	





#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

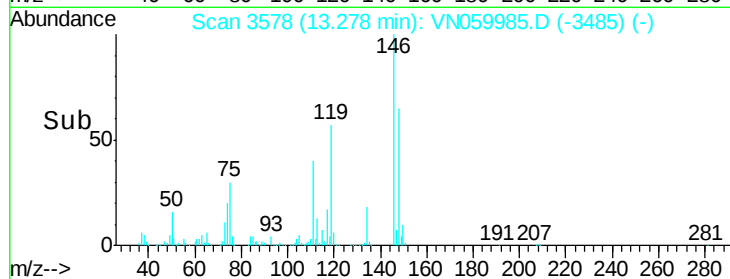
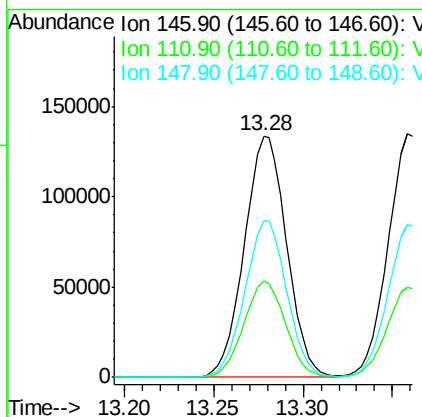
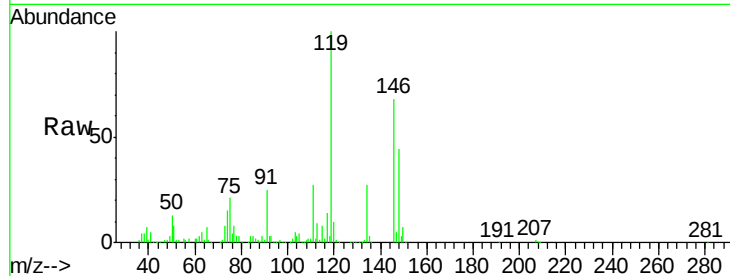
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.876 ug/l

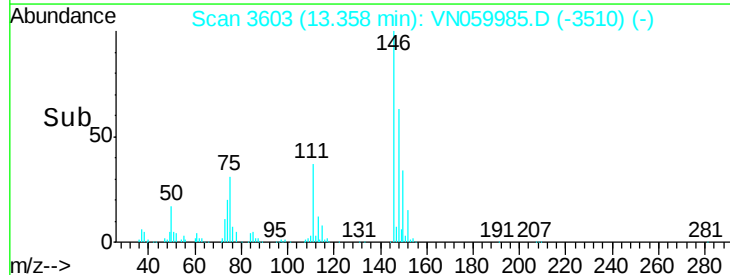
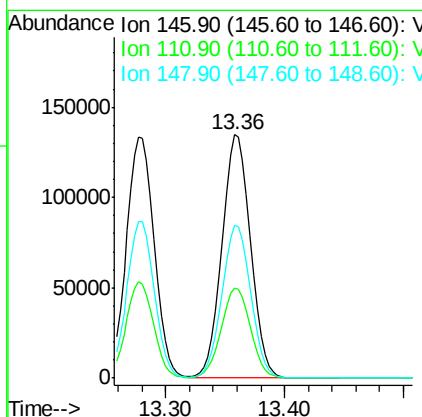
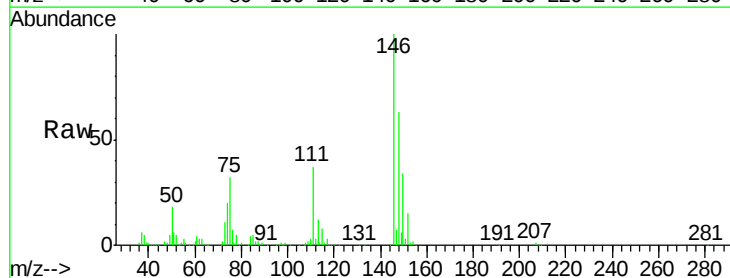
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059985.D

Acq: 4 Feb 2020 10:40

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





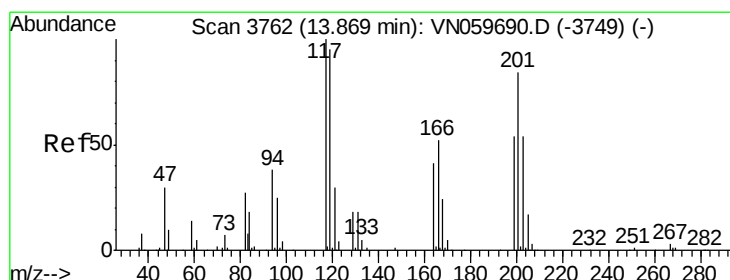
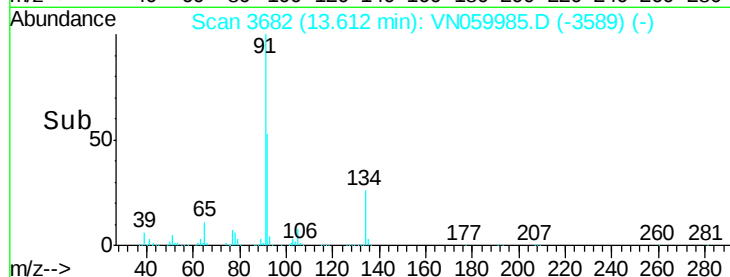
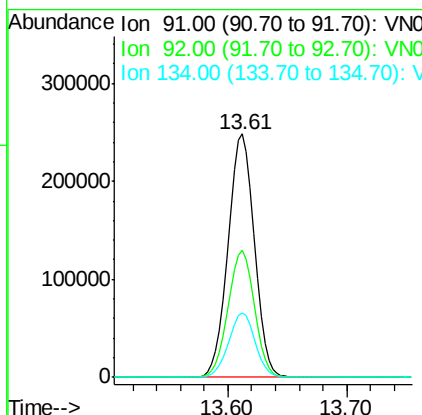
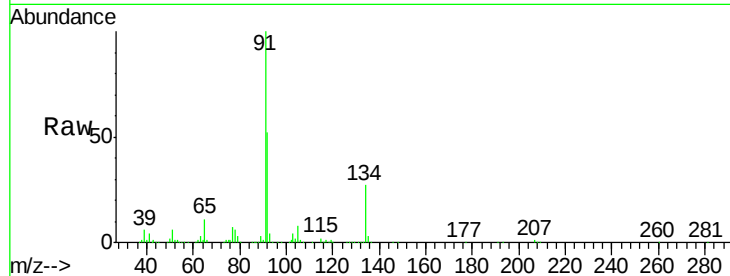
#89
n-Butylbenzene
Concen: 49.247 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

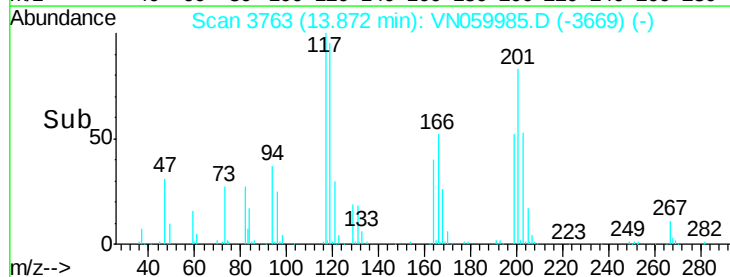
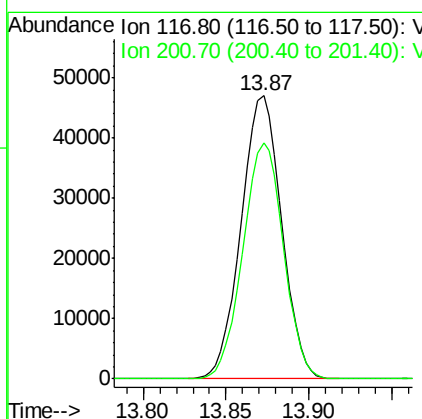
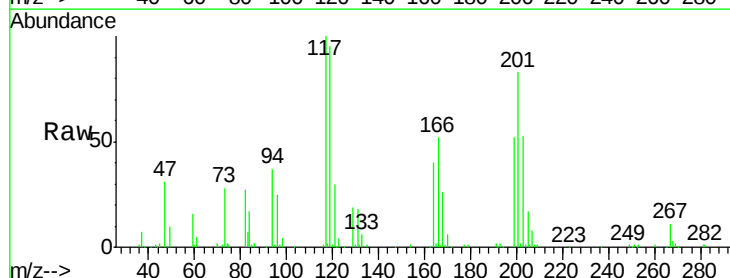
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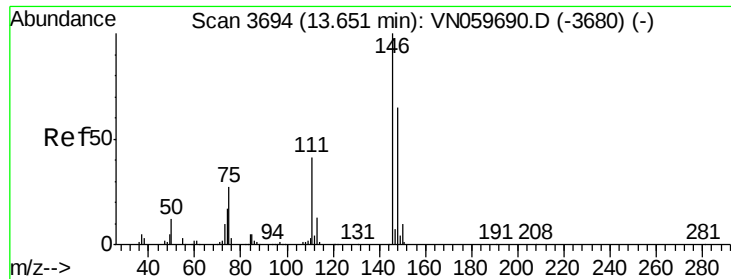
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#90
Hexachloroethane
Concen: 47.073 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Tgt Ion	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

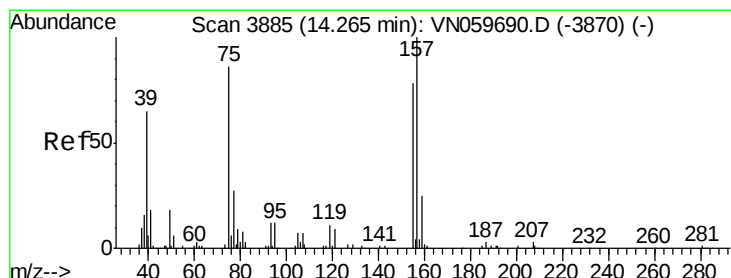
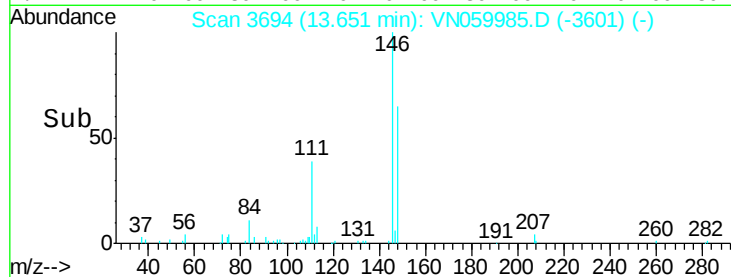
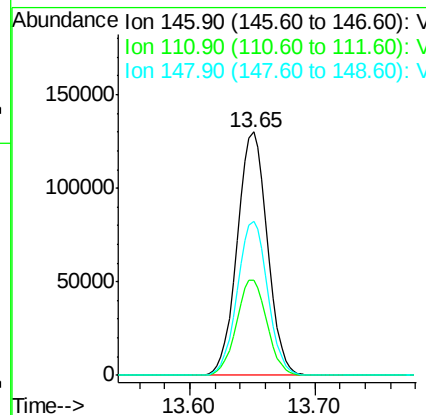
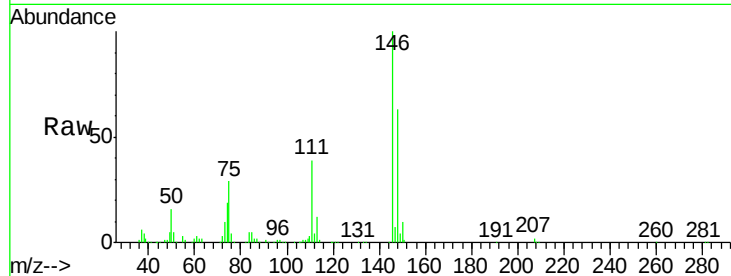
ClientSampleId :

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

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.818 ug/l

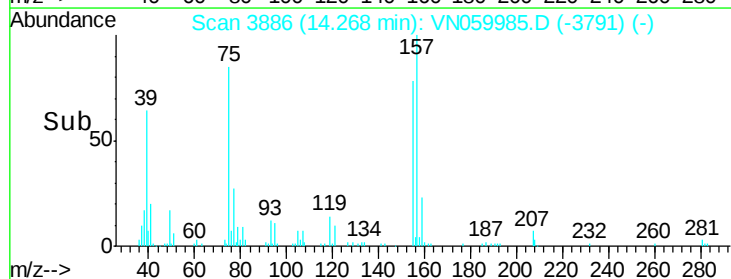
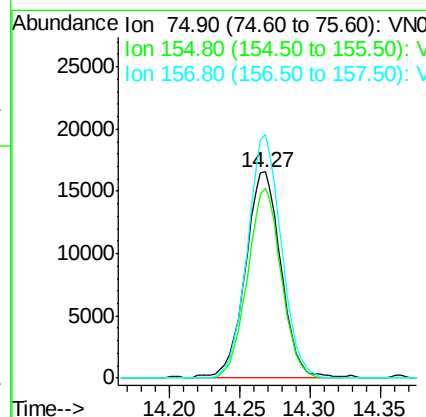
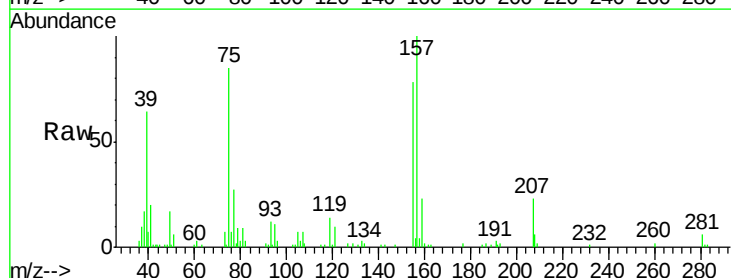
RT: 14.27 min Scan# 3886

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





#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

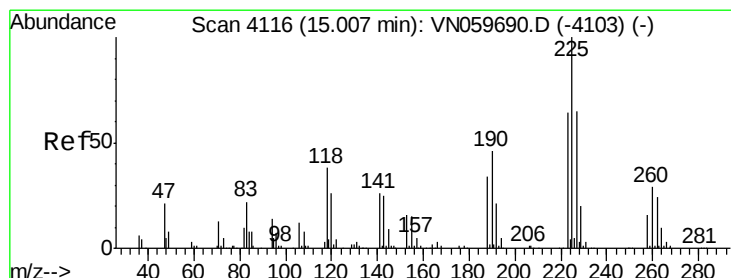
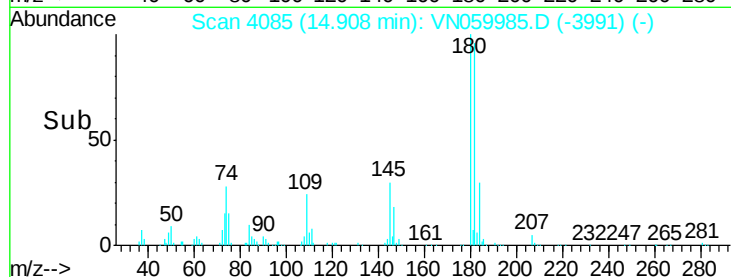
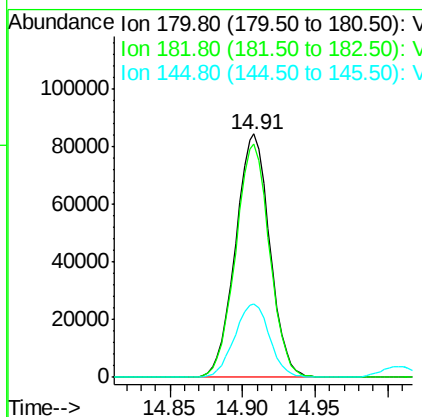
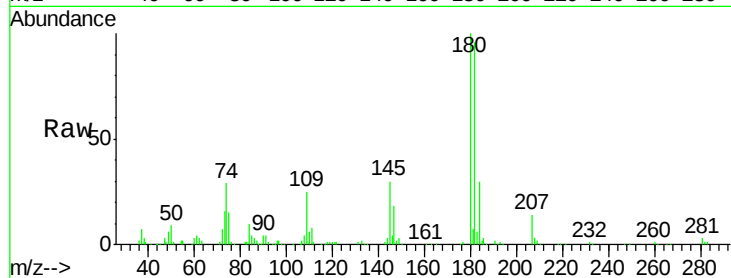
ClientSampleId :

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

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#94

Hexachlorobutadiene

Concen: 47.383 ug/l

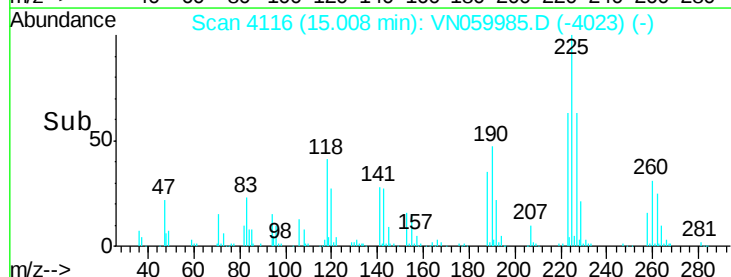
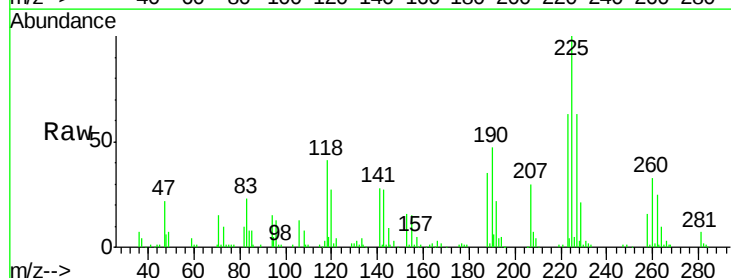
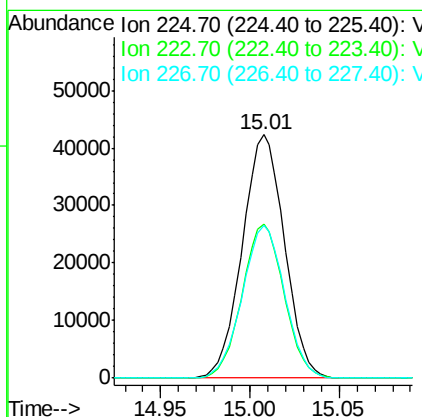
RT: 15.01 min Scan# 4116

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





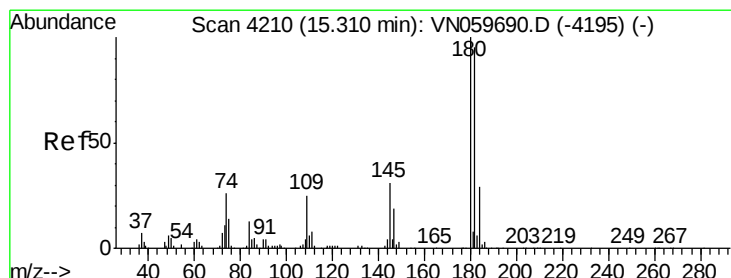
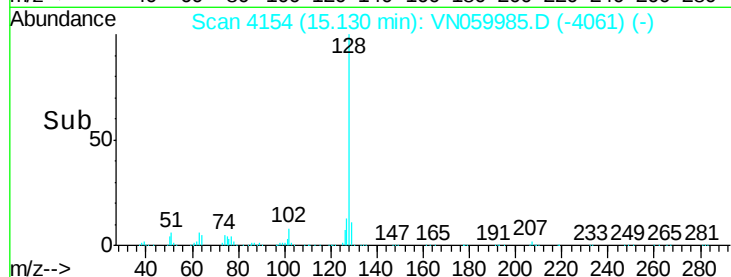
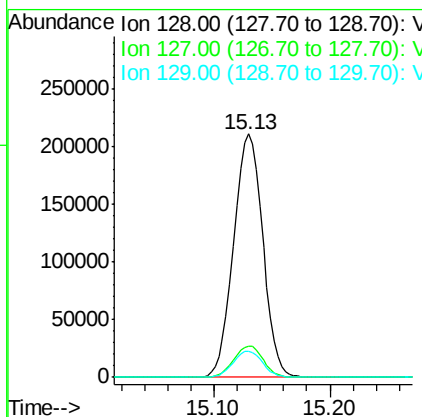
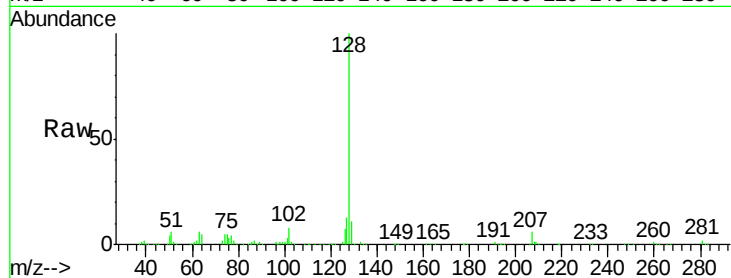
#95
Naphthalene
Concen: 48.135 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059985.D
Acq: 4 Feb 2020 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

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#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	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.3
145	31.1	16.3	48.9

