

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059801.D
 Acq On : 21 Jan 2020 9:19
 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
 1/22/2020 11:14:45 AM

Quant Time: Jan 22 02:53:00 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	188867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97641	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.56	113	83251	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.08	98	315529	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	114768	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112344	50.457	ug/l	99
3) Chloromethane	2.03	50	105925	48.987	ug/l	98
4) Vinyl Chloride	2.17	62	131230	53.043	ug/l	96
5) Bromomethane	2.54	94	79828	52.872	ug/l	99
6) Chloroethane	2.68	64	60367	51.575	ug/l	100
7) Trichlorofluoromethane	3.00	101	154265	51.921	ug/l	96
8) Diethyl Ether	3.38	74	53968	51.758	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91467	55.312	ug/l	92
10) Methyl Iodide	3.93	142	137061	51.277	ug/l	95
11) Tert butyl alcohol	4.73	59	78876	223.388	ug/l	98
12) 1,1-Dichloroethene	3.72	96	86385	49.993	ug/l	89
13) Acrolein	3.58	56	33758	135.062	ug/l	96
14) Allyl chloride	4.29	41	117163	50.305	ug/l #	85
15) Acrylonitrile	4.94	53	199201	247.324	ug/l	99
16) Acetone	3.78	43	232947	328.787	ug/l	95
17) Carbon Disulfide	4.03	76	235907	47.926	ug/l	100
18) Methyl Acetate	4.29	43	116186	47.424	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	289419	51.372	ug/l	96
20) Methylene Chloride	4.52	84	96990	51.141	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	94663	51.538	ug/l	84
22) Diisopropyl ether	5.91	45	264004	50.019	ug/l #	96
23) Vinyl Acetate	5.86	43	1021666	250.010	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	162206	50.296	ug/l	97
25) 2-Butanone	6.80	43	301601	253.926	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	158713	51.190	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	109412	51.790	ug/l	87
28) Bromochloromethane	7.17	49	56817	44.079	ug/l #	70
29) Tetrahydrofuran	7.18	42	164970	224.484	ug/l #	85
30) Chloroform	7.35	83	173841	52.024	ug/l	99
31) Cyclohexane	7.63	56	144611	46.600	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	162582	52.622	ug/l	95
36) 1,1-Dichloropropene	7.77	75	129615	51.867	ug/l	95
37) Ethyl Acetate	6.89	43	108385	46.243	ug/l	95
38) Carbon Tetrachloride	7.75	117	143876	52.927	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	160262	52.011	ug/l	91
40) Benzene	8.02	78	385505	51.726	ug/l	99
41) Methacrylonitrile	7.15	41	47157m	40.847	ug/l	
42) 1,2-Dichloroethane	8.10	62	131288	51.956	ug/l	95
43) Isopropyl Acetate	8.14	43	192933	47.857	ug/l #	95
44) Trichloroethene	8.82	130	113522	55.797	ug/l	92
45) 1,2-Dichloropropane	9.10	63	97333	52.777	ug/l	99
46) Dibromomethane	9.19	93	70035	53.835	ug/l	91
47) Bromodichloromethane	9.38	83	141590	54.010	ug/l	99
48) Methyl methacrylate	9.18	41	85233	47.266	ug/l	87
49) 1,4-Dioxane	9.18	88	34511	1045.428	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	551891	236.815	ug/l	94
52) Toluene	10.14	92	248699	52.830	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	158131	54.021	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	167072	54.245	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	97603	52.349	ug/l	99
56) Ethyl methacrylate	10.42	69	143744	50.456	ug/l	90
57) 1,3-Dichloropropane	10.70	76	158828	53.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	324068	377.656	ug/l	90
59) 2-Hexanone	10.74	43	447784	260.815	ug/l	94
60) Dibromochloromethane	10.89	129	117299	55.247	ug/l	98
61) 1,2-Dibromoethane	10.99	107	105537	54.006	ug/l	99
64) Tetrachloroethene	10.62	164	116189	54.458	ug/l	95
65) Chlorobenzene	11.43	112	274415	53.331	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107839	54.239	ug/l	99
67) Ethyl Benzene	11.50	91	493319	52.814	ug/l	98
68) m/p-Xylenes	11.62	106	376175	106.615	ug/l	93
69) o-Xylene	11.94	106	179897	52.079	ug/l	95
70) Styrene	11.96	104	305976	52.935	ug/l	96
71) Bromoform	12.12	173	88113	55.327	ug/l #	99
73) Isopropylbenzene	12.25	105	488959	51.176	ug/l	99
74) N-amyl acetate	12.06	43	169890	45.824	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	132520	47.844	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	124064m	56.587	ug/l	
77) Bromobenzene	12.52	156	127539	52.711	ug/l	78
78) n-propylbenzene	12.59	91	554686	51.724	ug/l	97
79) 2-Chlorotoluene	12.67	91	323087	50.643	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	415376	51.694	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	50206	49.177	ug/l	94
82) 4-Chlorotoluene	12.77	91	333940	52.187	ug/l	95
83) tert-Butylbenzene	12.99	119	360114	51.818	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	420154	52.853	ug/l	99
85) sec-Butylbenzene	13.17	105	476979	52.239	ug/l	99
86) p-Isopropyltoluene	13.29	119	443907	52.542	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226505	53.892	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	222329	53.026	ug/l	98
89) n-Butylbenzene	13.61	91	388179	53.887	ug/l	98
90) Hexachloroethane	13.87	117	81590	51.616	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	220097	52.971	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28915	48.577	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	140332	56.207	ug/l	99
94) Hexachlorobutadiene	15.01	225	73398	53.348	ug/l	100
95) Naphthalene	15.13	128	359332	50.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133363	54.877	ug/l	99

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

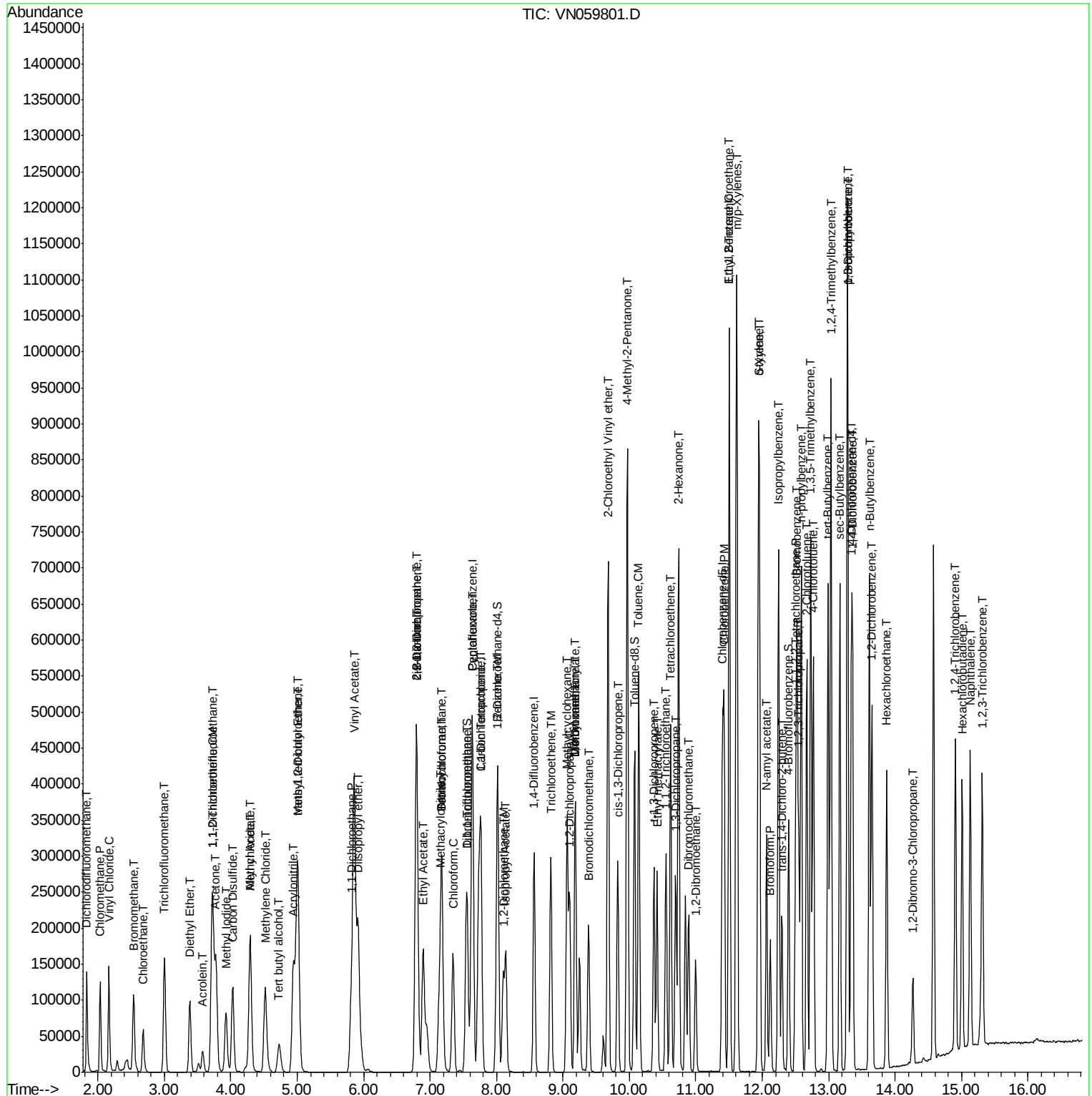
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
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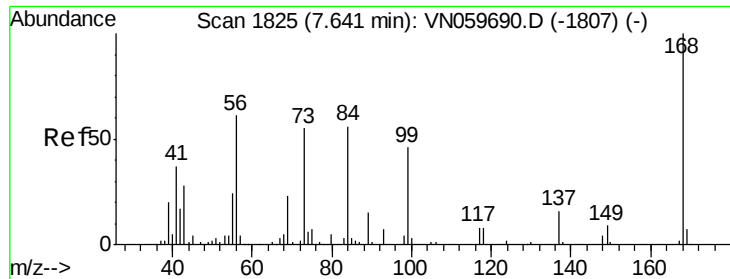
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188867

Ion Ratio Lower Upper

168 100

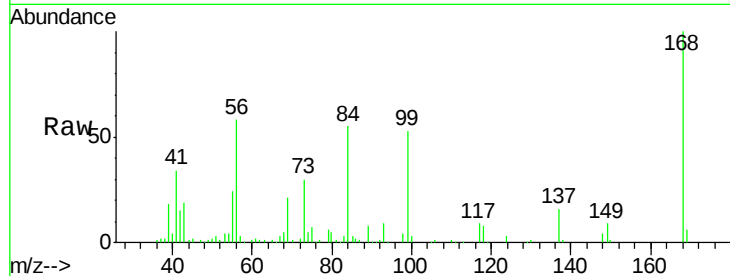
99 52.9 48.2 72.4

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

80000

60000

40000

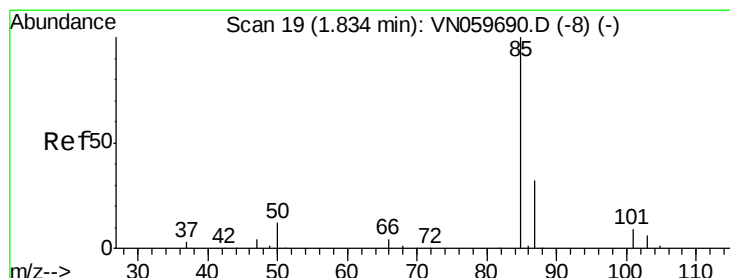
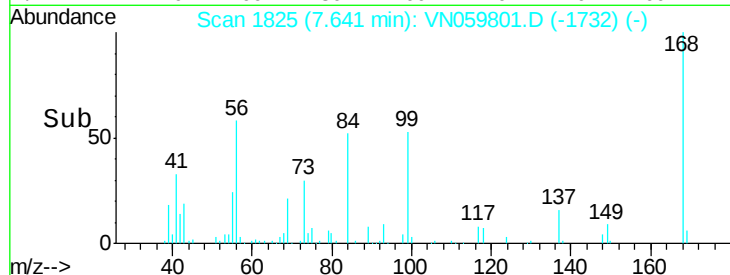
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.457 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059801.D

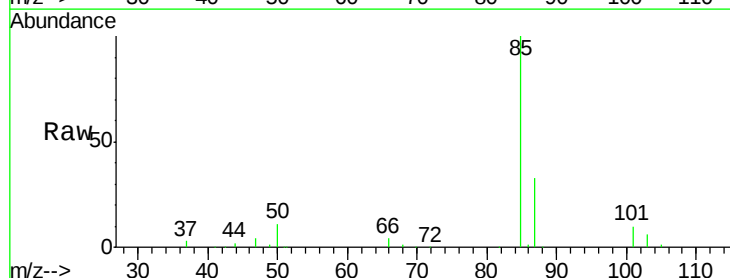
Acq: 21 Jan 2020 9:19

Tgt Ion: 85 Resp: 112344

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

40000

20000

0

1.75

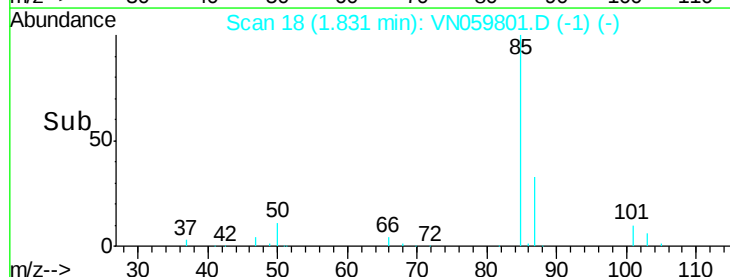
1.80

1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 48.987 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105925

Ion Ratio Lower Upper

50 100

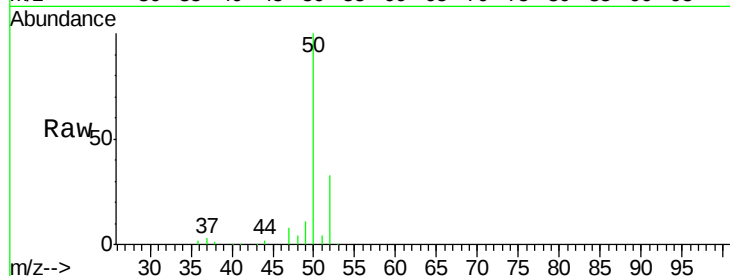
52 33.3 25.9 38.9

Manual Integrations

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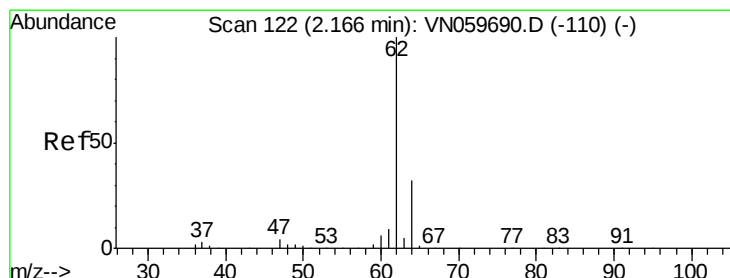
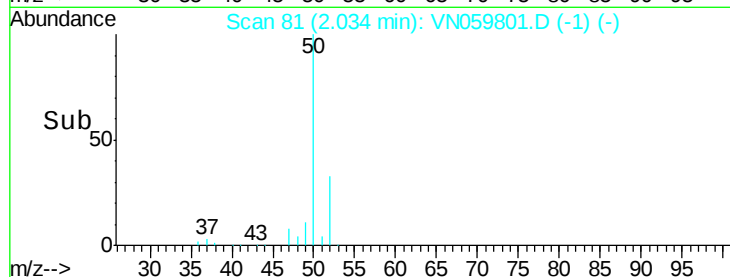
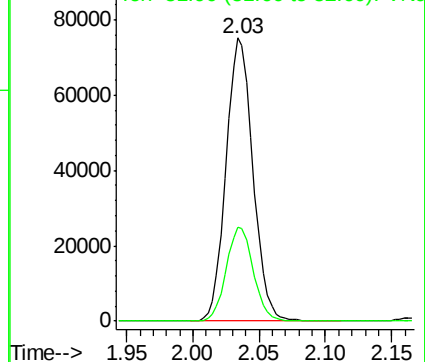
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 53.043 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059801.D

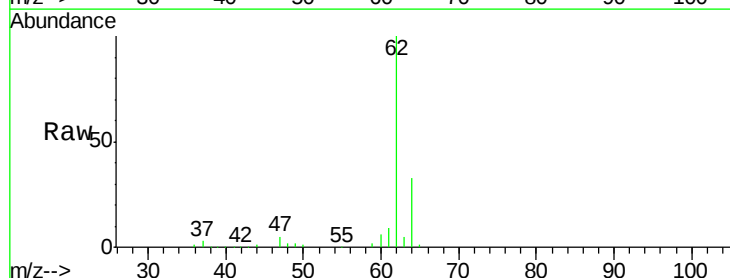
Acq: 21 Jan 2020 9:19

Tgt Ion: 62 Resp: 131230

Ion Ratio Lower Upper

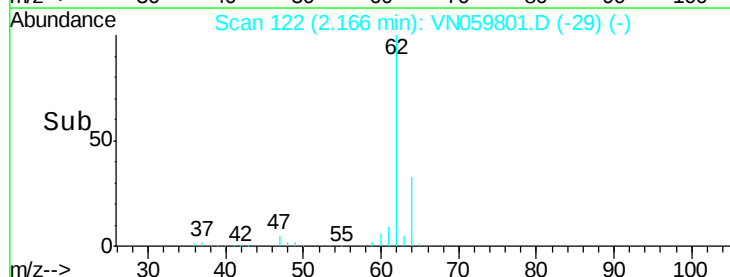
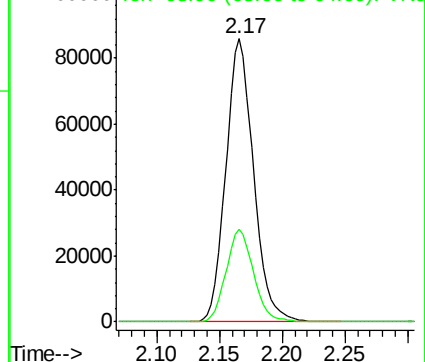
62 100

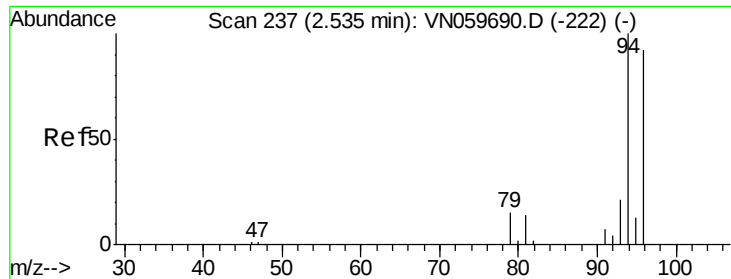
64 32.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 52.872 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 79828

Ion Ratio Lower Upper

94 100

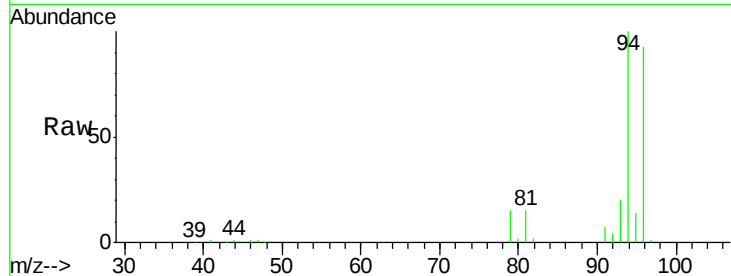
96 92.8 74.7 112.1

Manual Integrations

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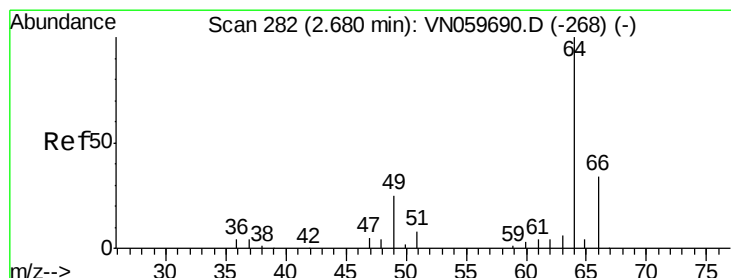
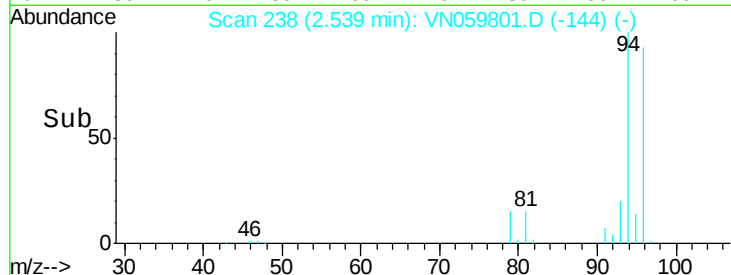
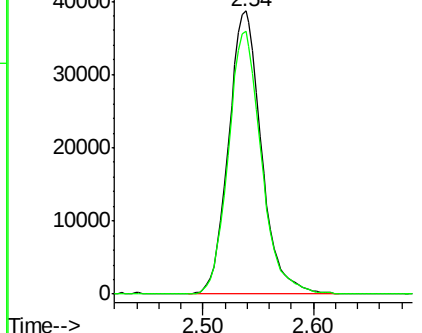
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.575 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059801.D

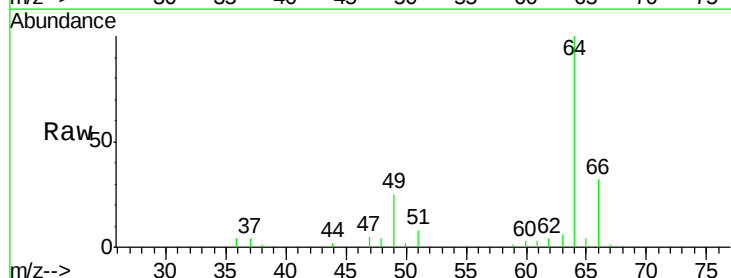
Acq: 21 Jan 2020 9:19

Tgt Ion: 64 Resp: 60367

Ion Ratio Lower Upper

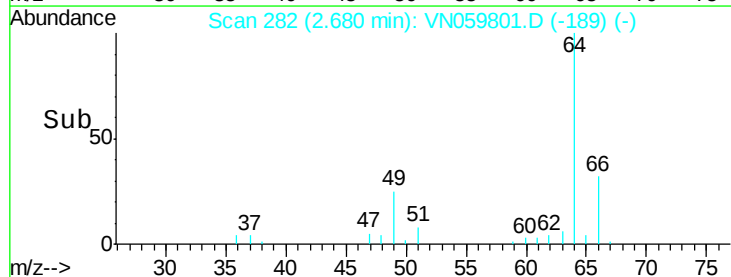
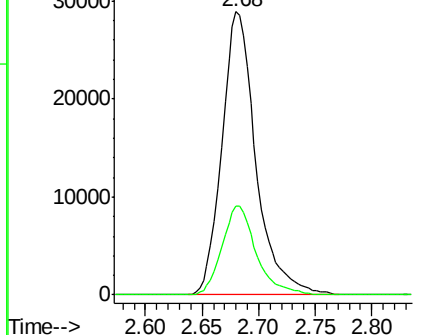
64 100

66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

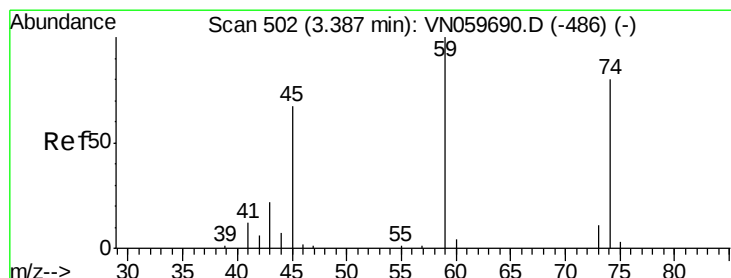
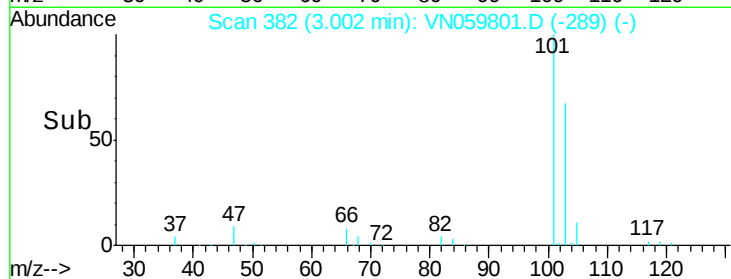
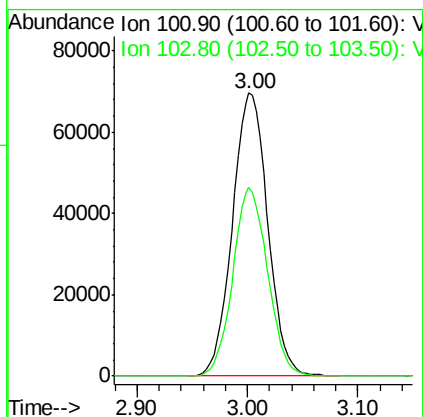
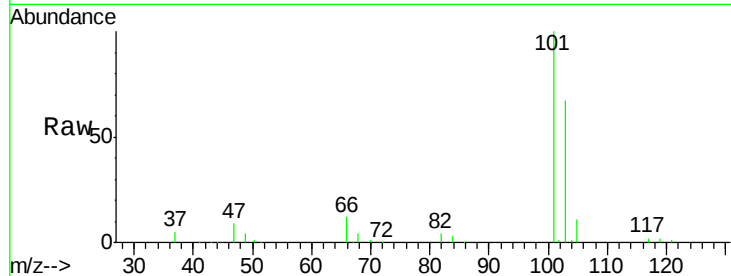
Trichlorofluoromethane
Concen: 51.921 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059801.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.0	76.6

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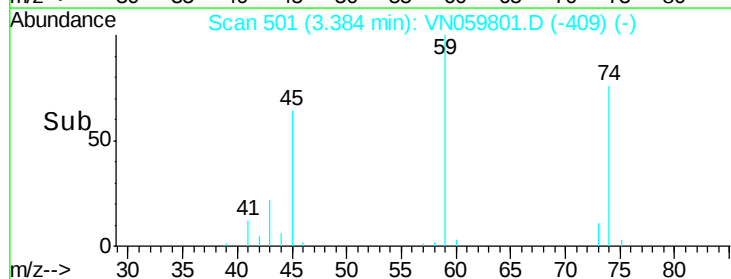
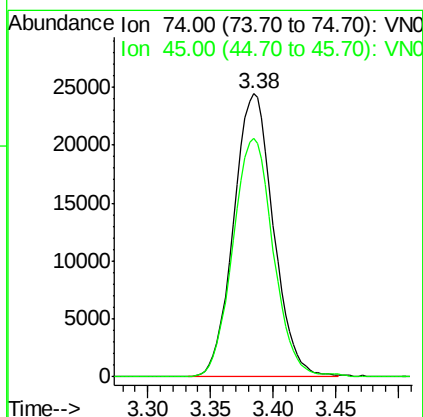
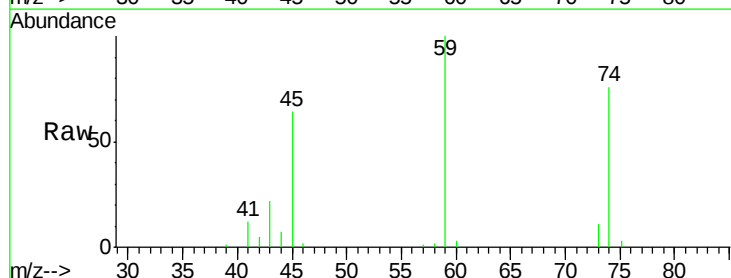
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#8

Diethyl Ether
Concen: 51.758 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059801.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.7	51.9	155.8





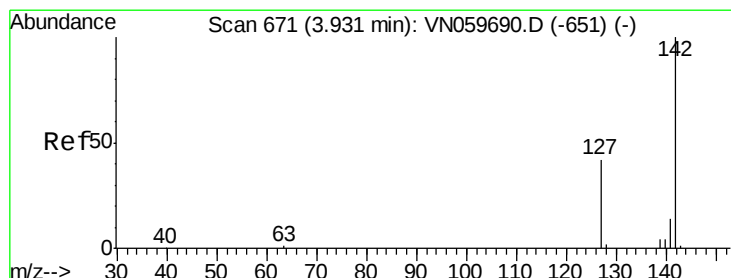
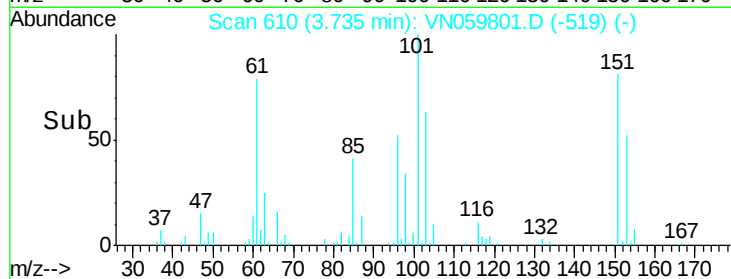
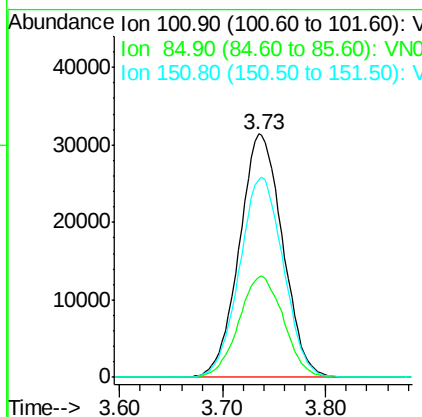
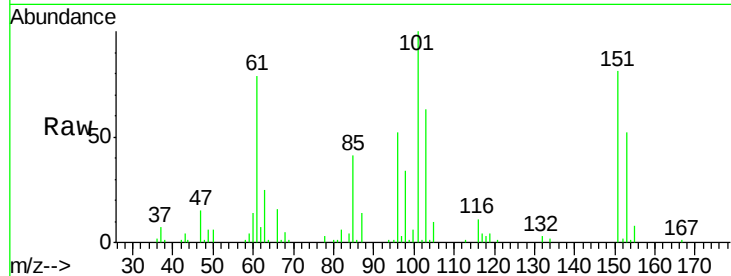
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 55.312 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.6	54.8
151	83.4	59.7	89.5

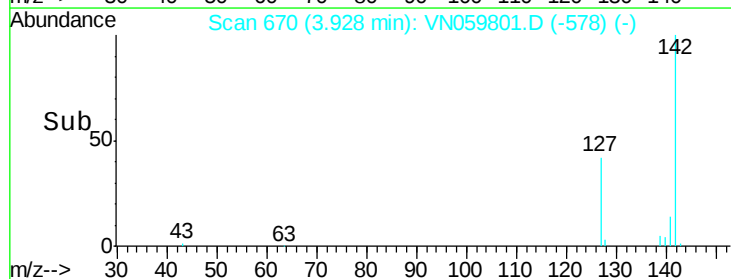
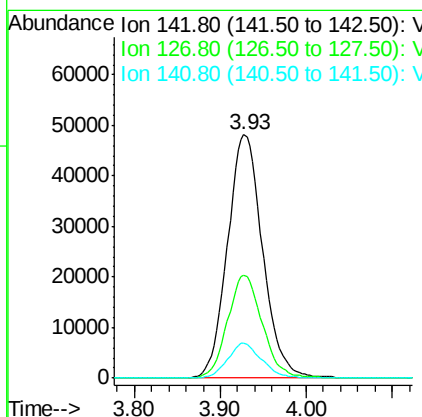
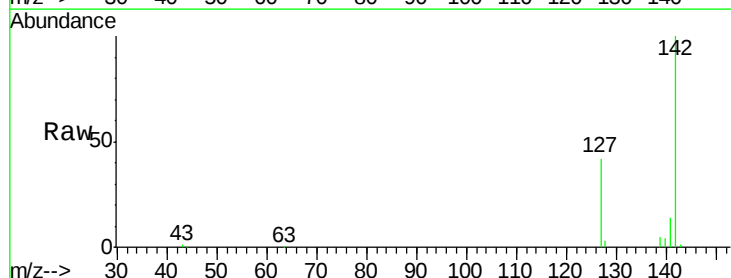
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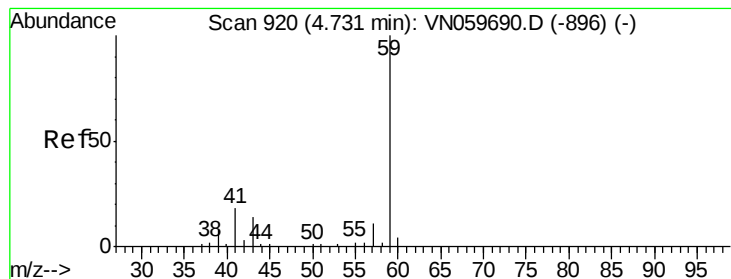
MMDadoda
 1/22/2020 11:14:45 AM



#10
 Methyl Iodide
 Concen: 51.277 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.7	36.7	55.1
141	13.9	11.7	17.5





#11

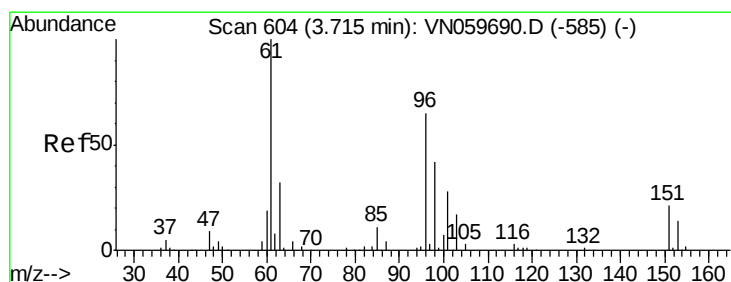
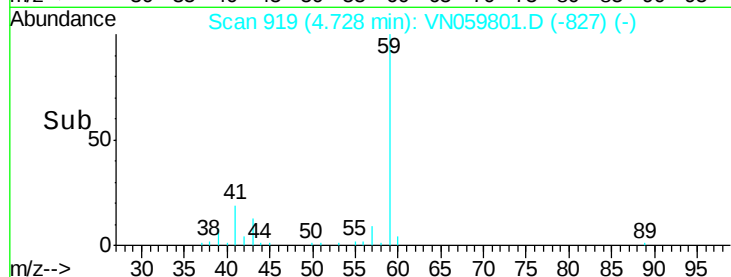
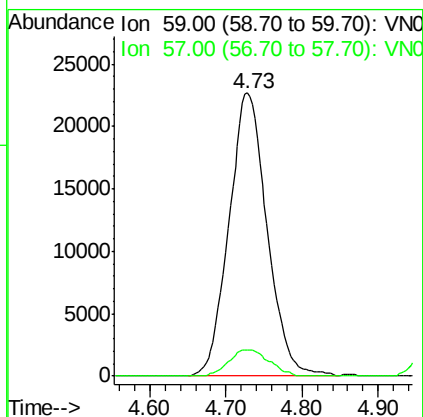
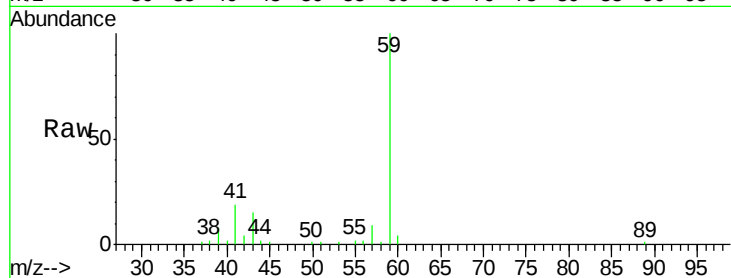
Tert butyl alcohol
Concen: 223.388 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

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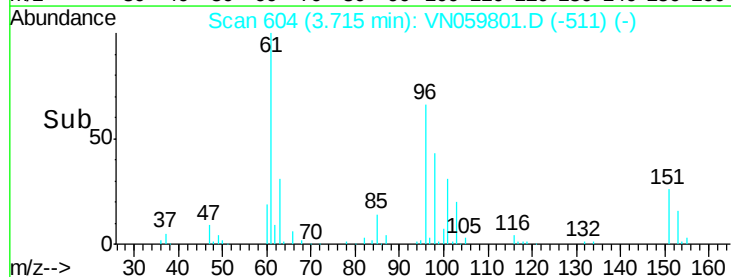
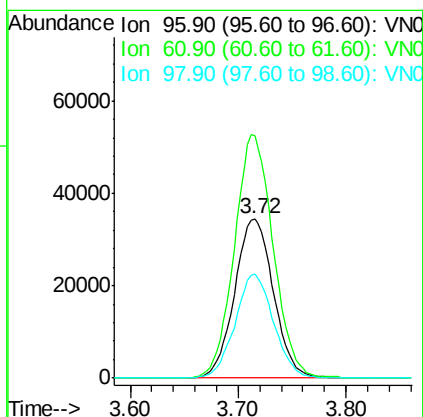
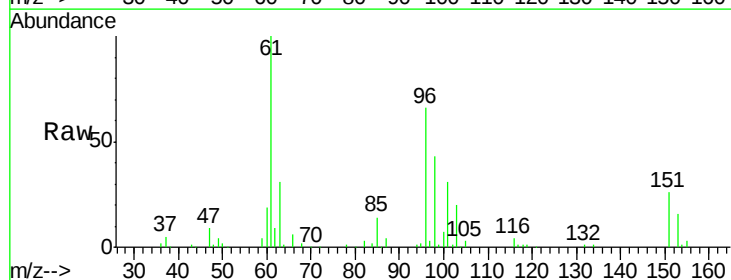
MMDadoda
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#12

1,1-Dichloroethene
Concen: 49.993 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	137.5	206.3
98	65.2	50.2	75.4





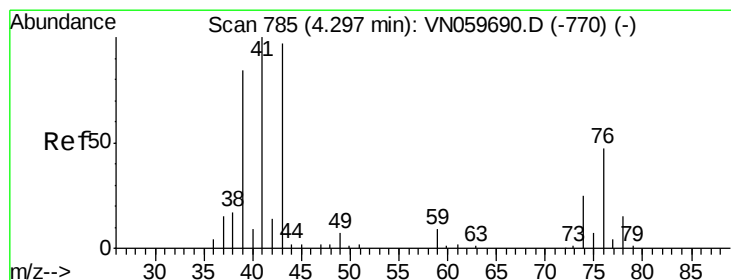
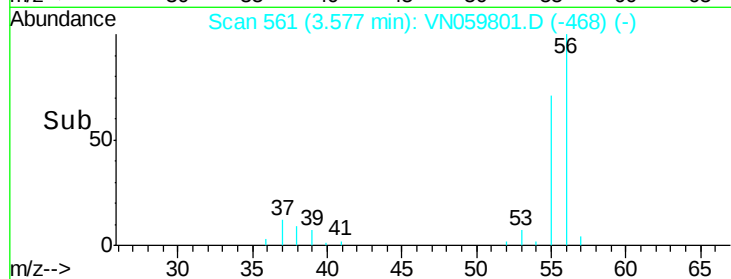
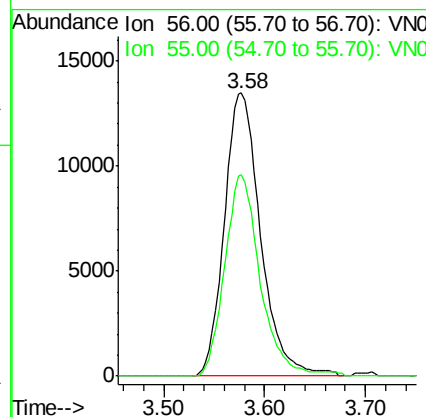
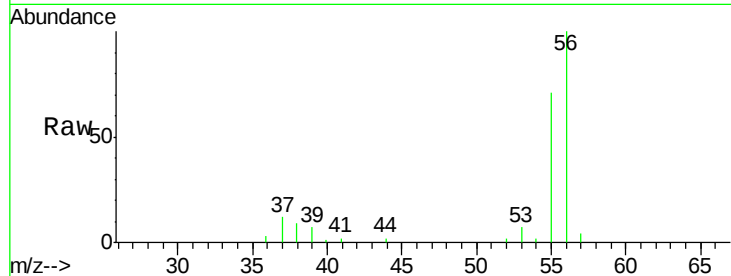
#13
Acrolein
Concen: 135.062 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	33758
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	58.6	88.0

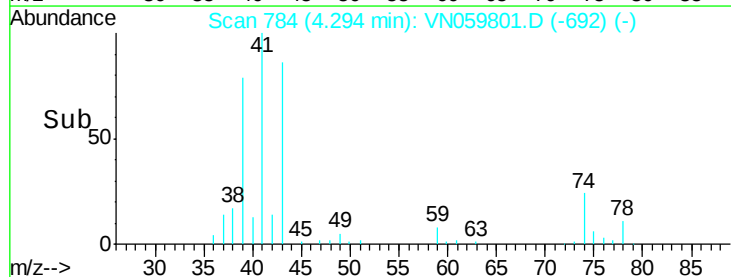
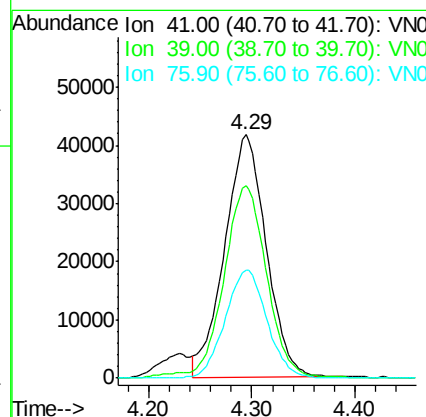
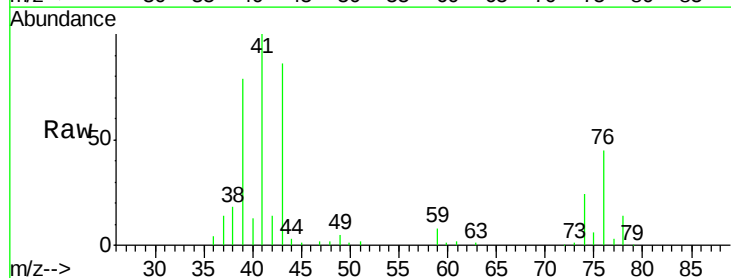
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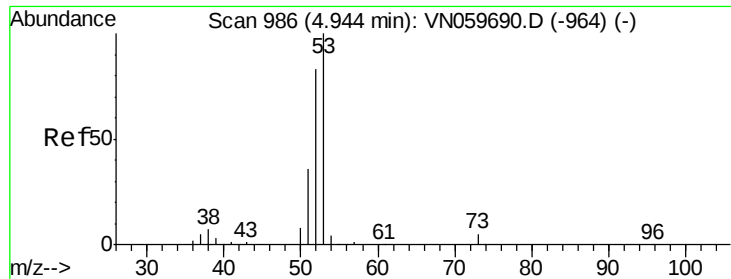
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#14
Allyl chloride
Concen: 50.305 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	41	Resp	117163
Ion Ratio	100	Lower	Upper
41	100		
39	82.1	57.8	86.8
76	44.6	25.4	38.0





#15

Acrylonitrile

Concen: 247.324 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

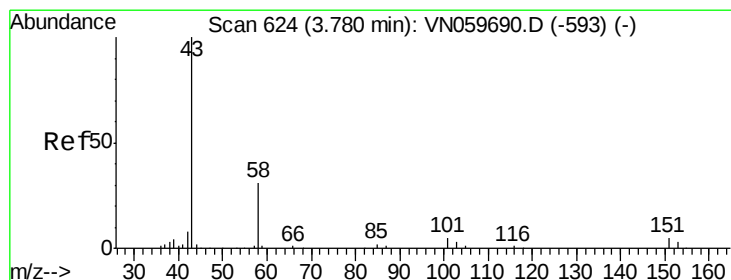
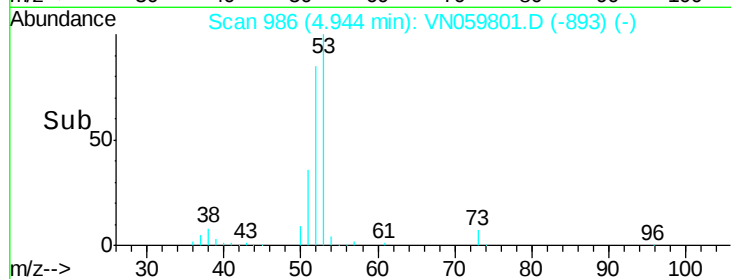
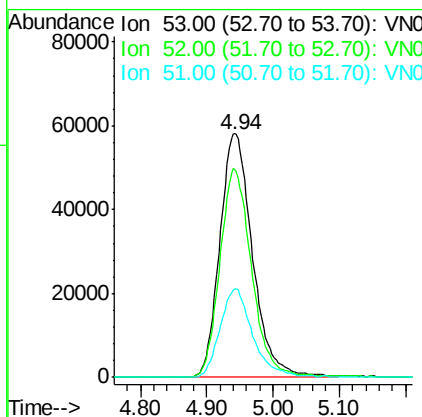
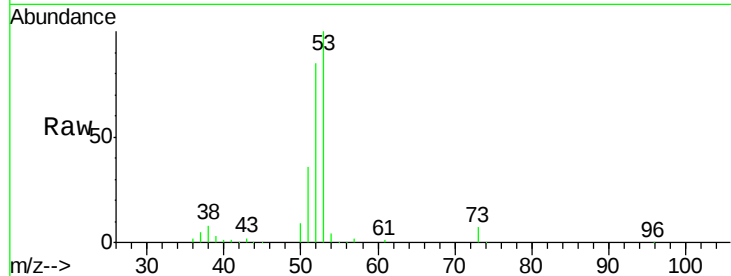
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	199201
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.2	29.7	44.5

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#16

Acetone

Concen: 328.787 ug/l

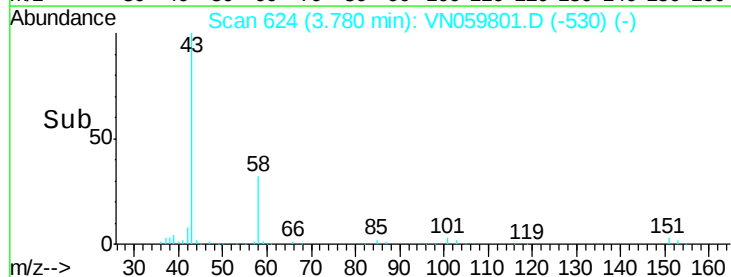
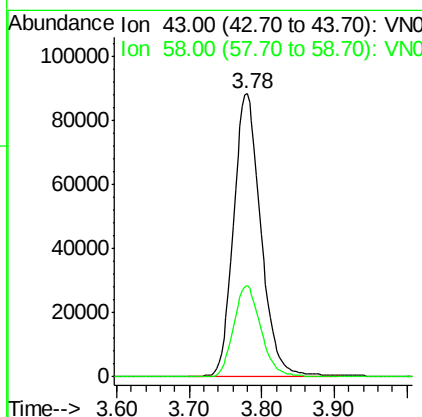
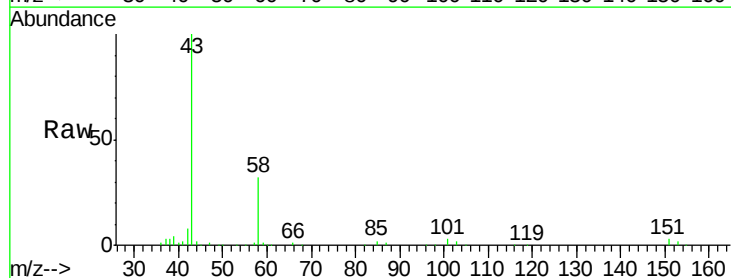
RT: 3.78 min Scan# 624

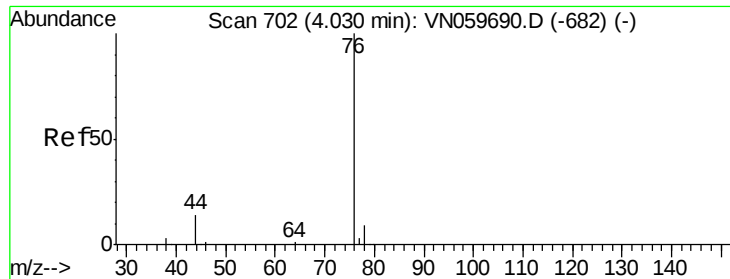
Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Tgt Ion:	43	Resp:	232947
Ion Ratio		Lower	Upper
43	100		
58	32.2	23.6	35.4





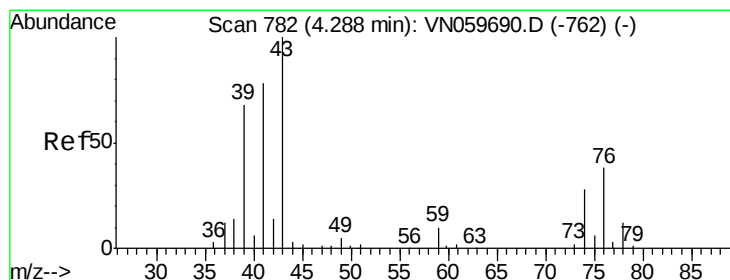
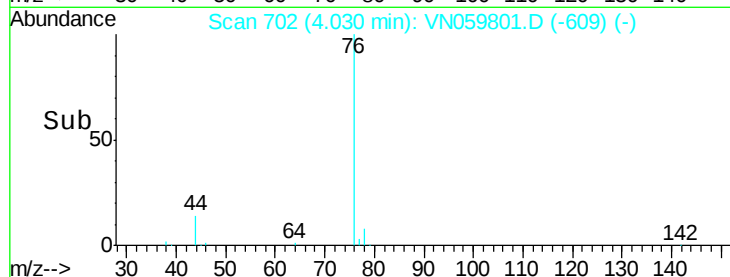
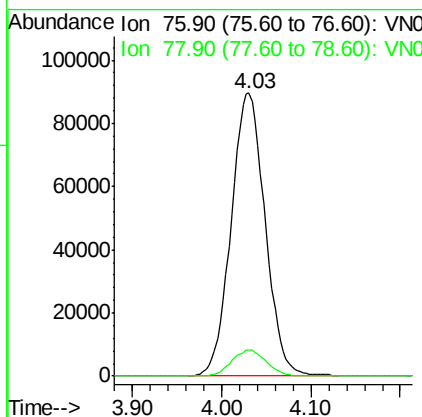
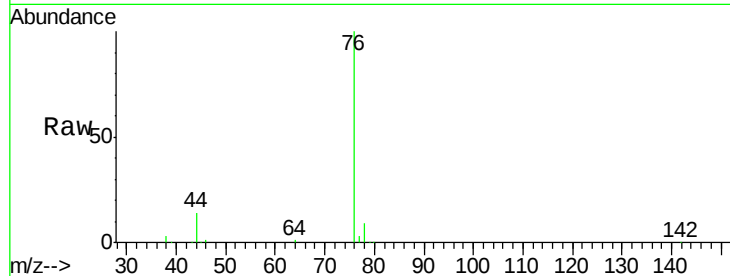
#17
Carbon Disulfide
Concen: 47.926 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

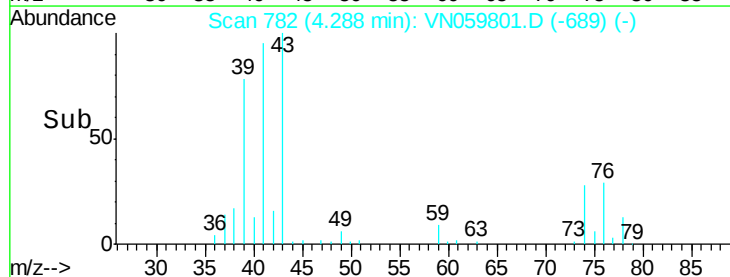
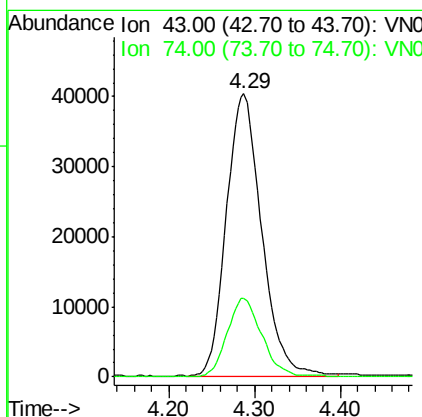
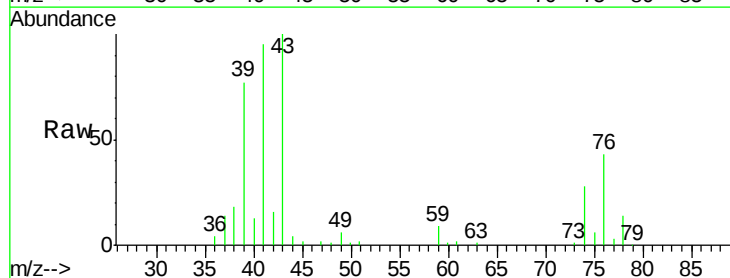
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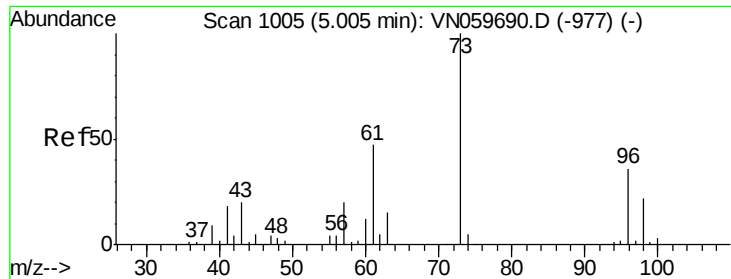
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#18
Methyl Acetate
Concen: 47.424 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	17.5	26.3#





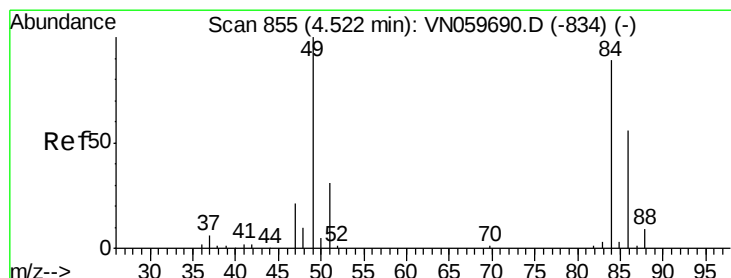
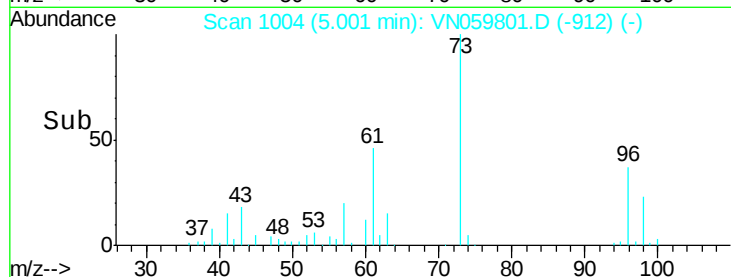
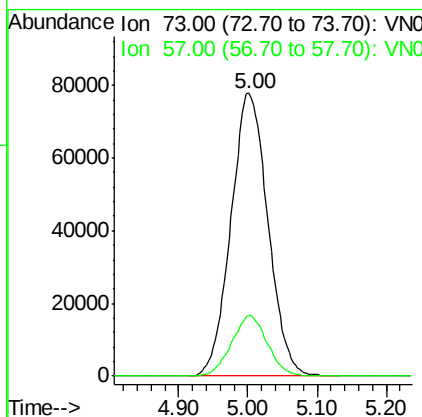
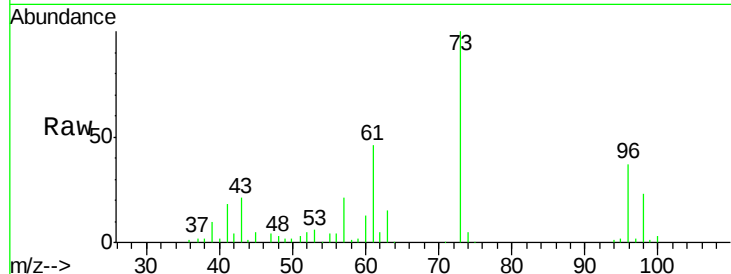
#19
Methvl tert-butvl Ether
Concen: 51.372 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 289419
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8

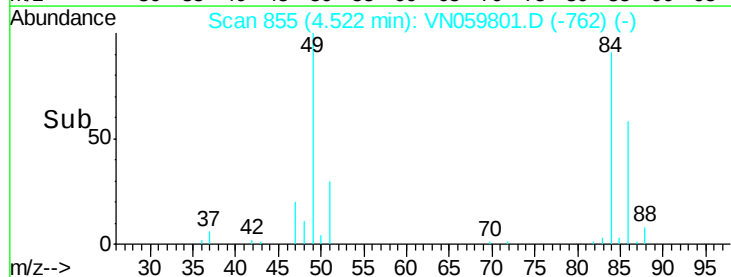
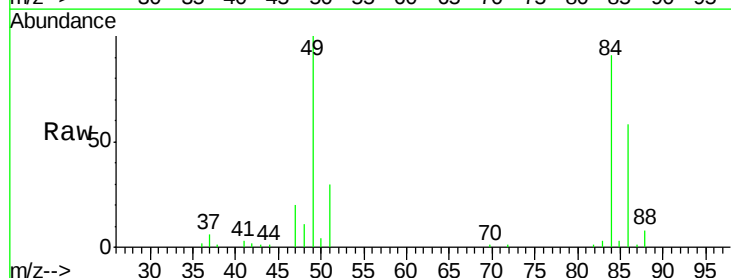
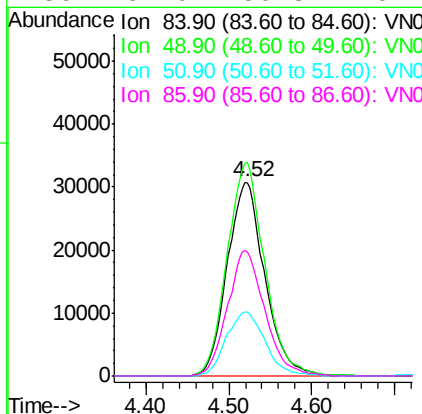
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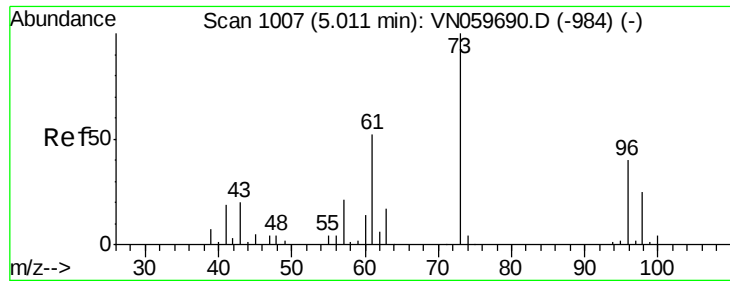
MMDadoda
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#20
Methylene Chloride
Concen: 51.141 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion: 84 Resp: 96990
Ion Ratio Lower Upper
84 100
49 110.4 106.6 160.0
51 33.1 31.9 47.9
86 64.0 50.8 76.2





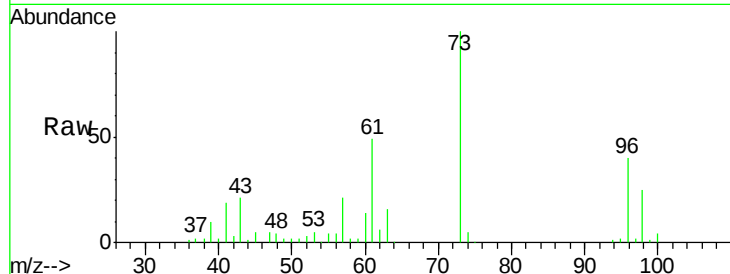
#21
trans-1,2-Dichloroethene
Concen: 51.538 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.2	120.4	180.6
98	61.6	50.6	75.8

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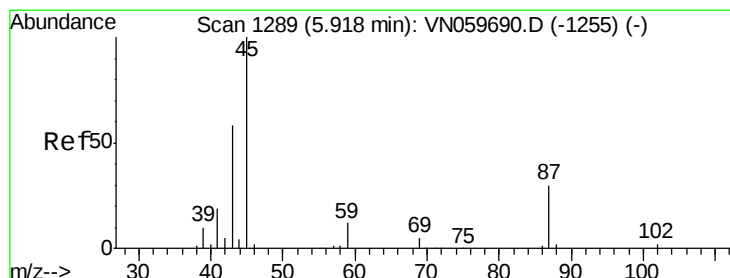
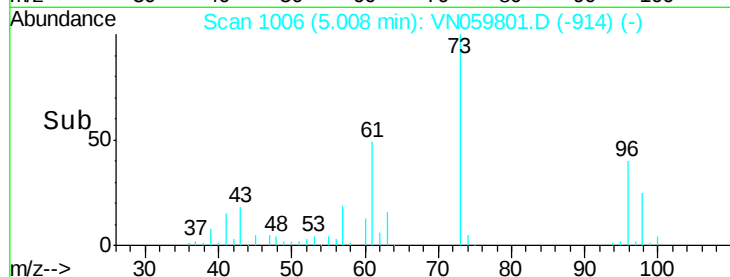
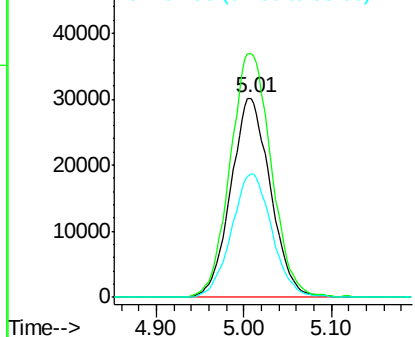


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 50.019 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	50.8	76.2
87	32.6	21.0	31.6#
59	12.9	9.1	13.7

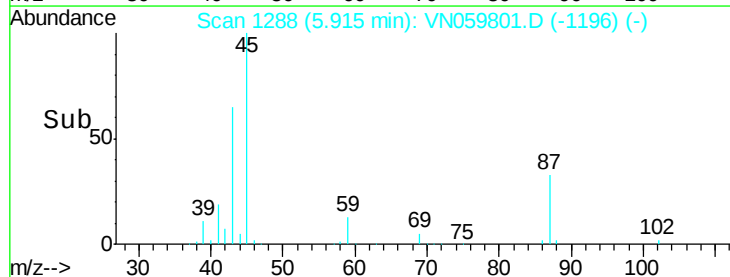
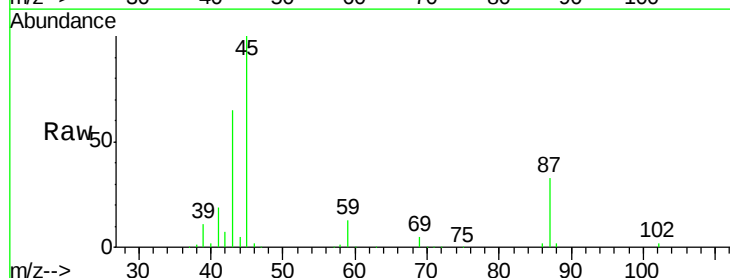
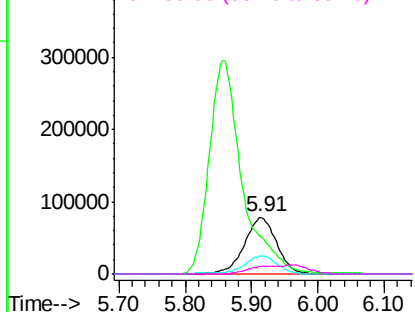
Abundance

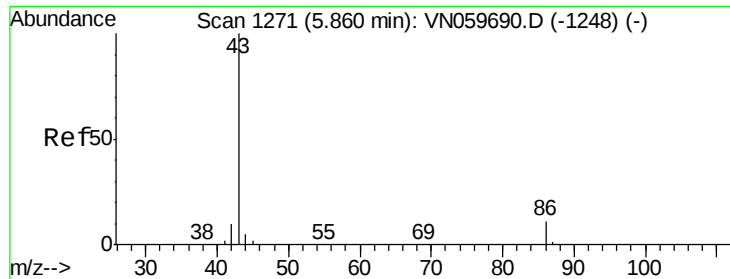
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





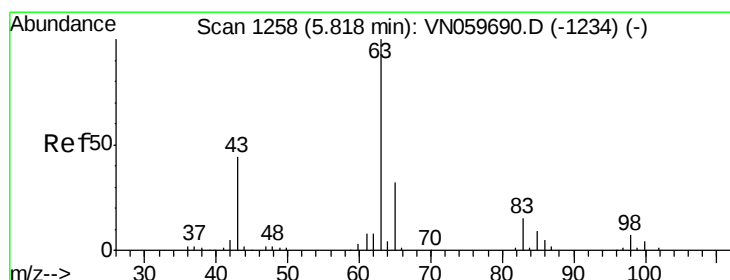
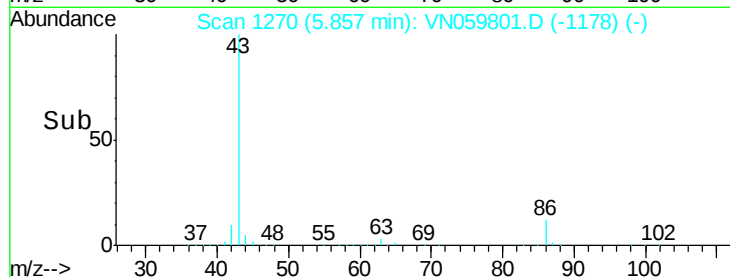
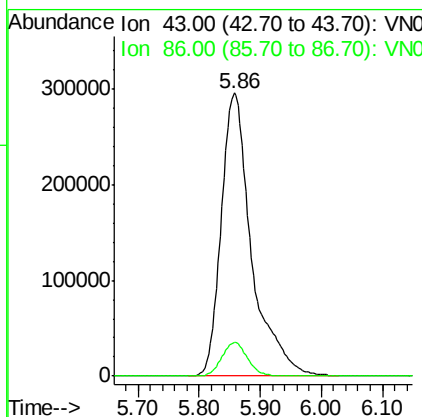
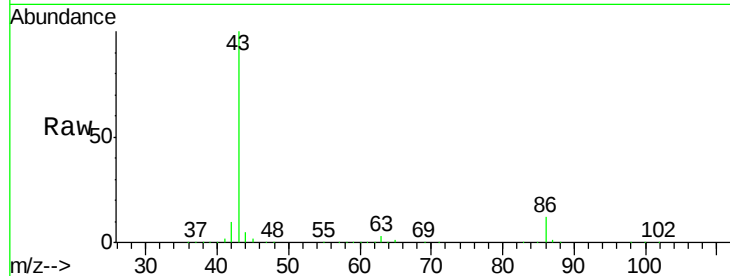
#23
 Vinyl Acetate
 Concen: 250.010 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1021666
 Ion Ratio Lower Upper
 43 100
 86 12.0 7.6 11.4#

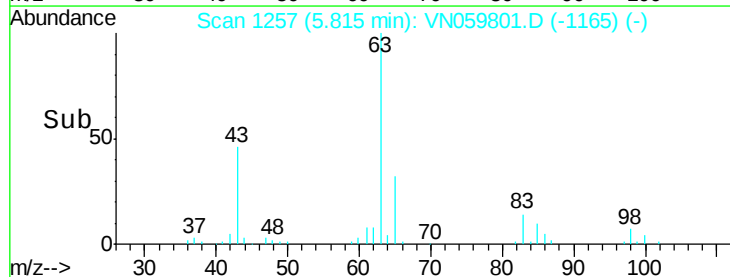
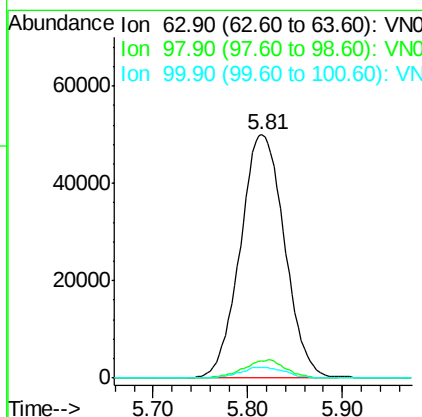
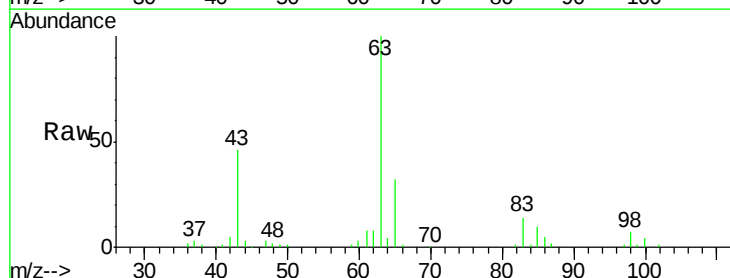
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#24
 1,1-Dichloroethane
 Concen: 50.296 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion: 63 Resp: 162206
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 253.926 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 301601

Ion Ratio Lower Upper

43 100

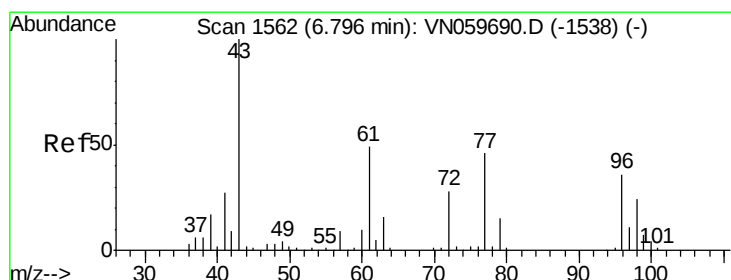
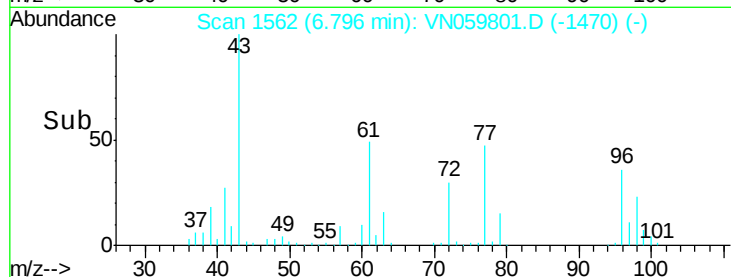
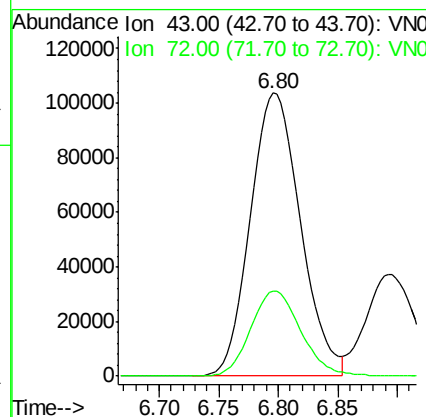
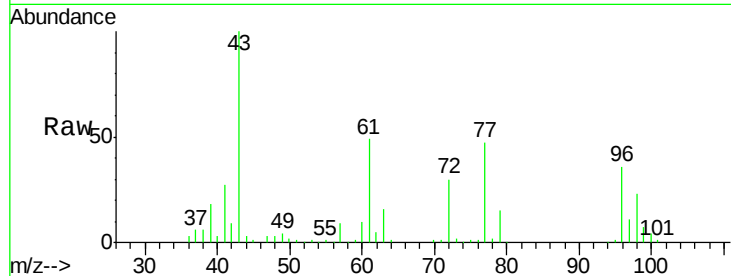
72 30.0 19.9 29.9#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.190 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059801.D

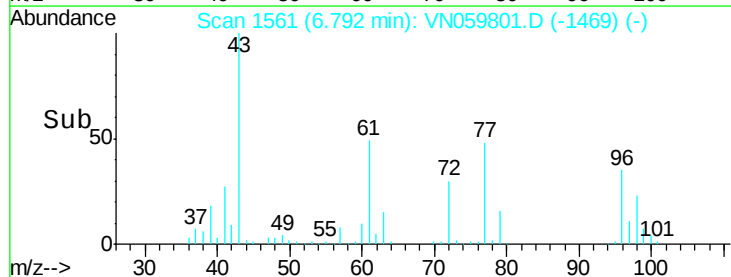
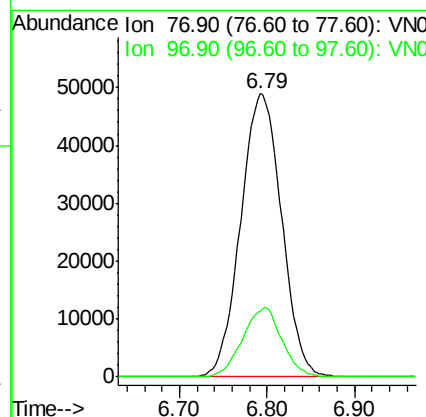
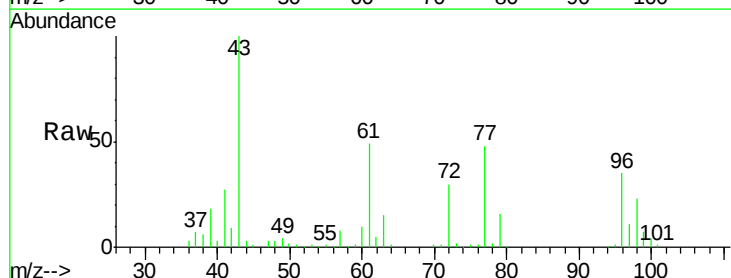
Acq: 21 Jan 2020 9:19

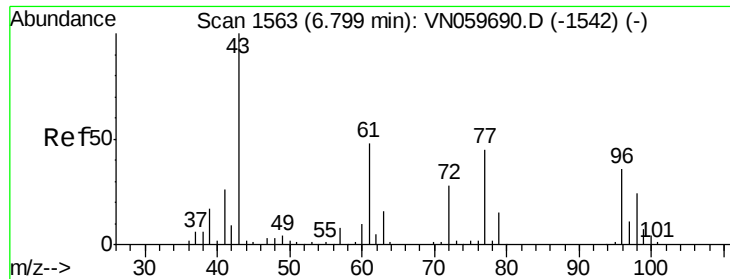
Tgt Ion: 77 Resp: 158713

Ion Ratio Lower Upper

77 100

97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.790 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

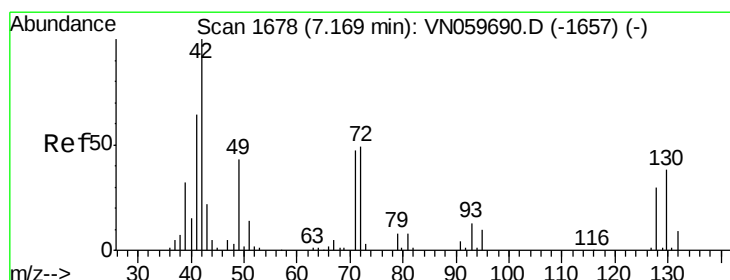
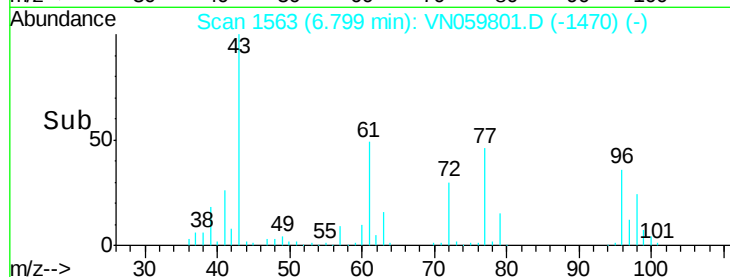
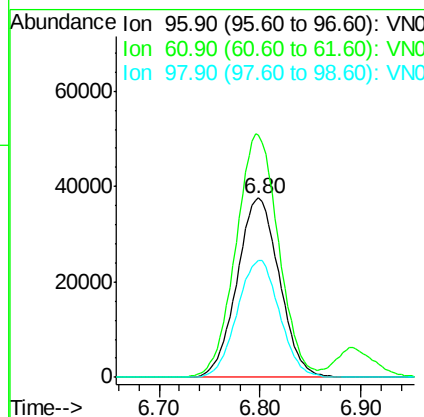
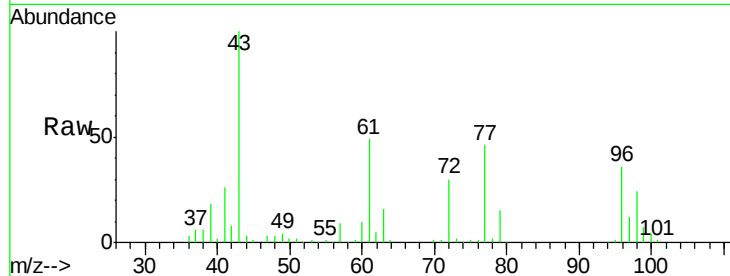
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	109412
Ion Ratio	Lower	Upper	
96	100		
61	136.9	0.0	317.6
98	65.3	0.0	127.0

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#28

Bromochloromethane

Concen: 44.079 ug/l

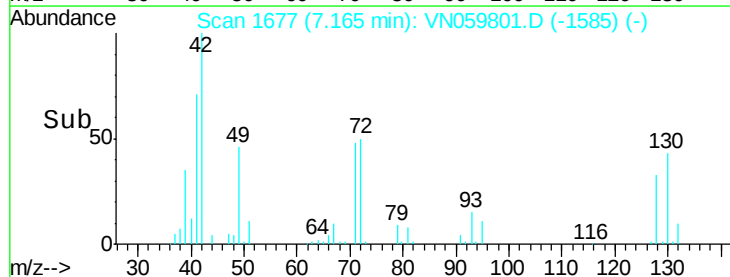
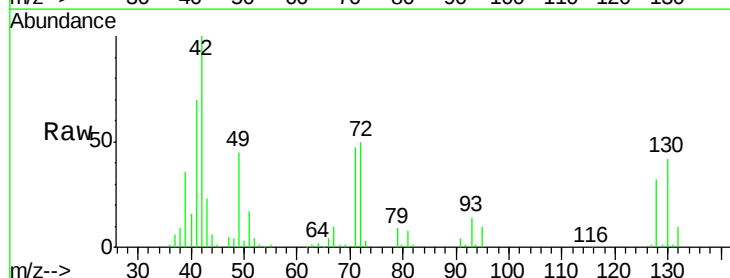
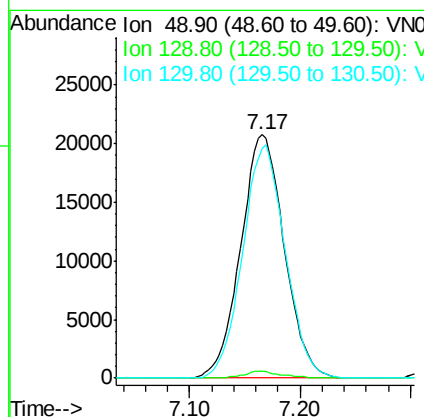
RT: 7.17 min Scan# 1677

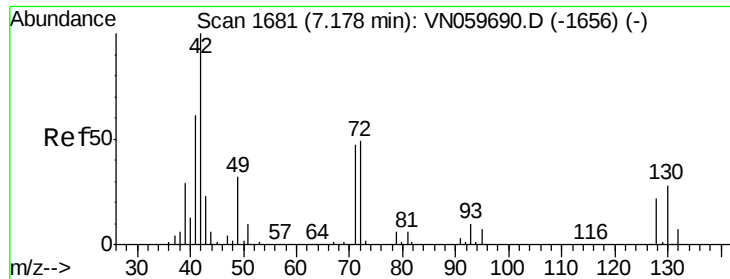
Delta R.T. -0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Tgt Ion:	49	Resp:	56817
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.4
130	93.5	54.7	82.1#





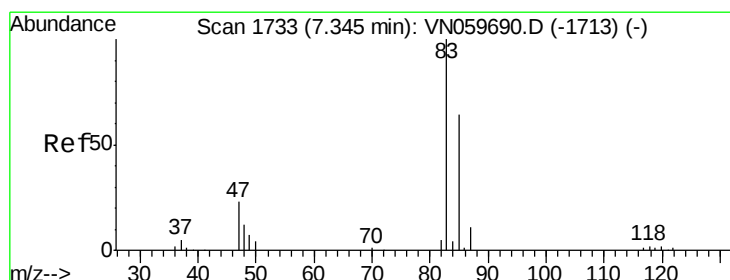
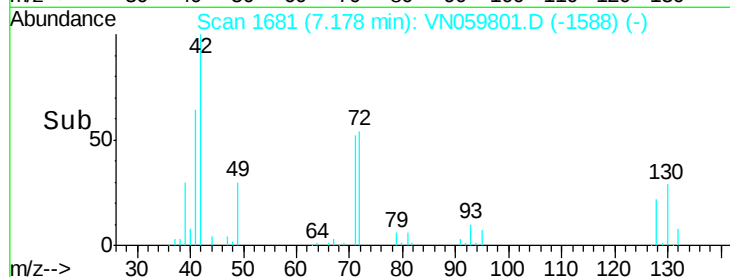
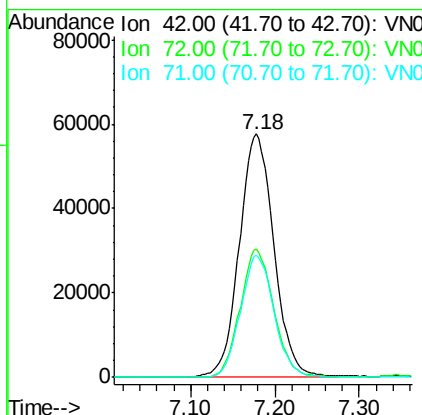
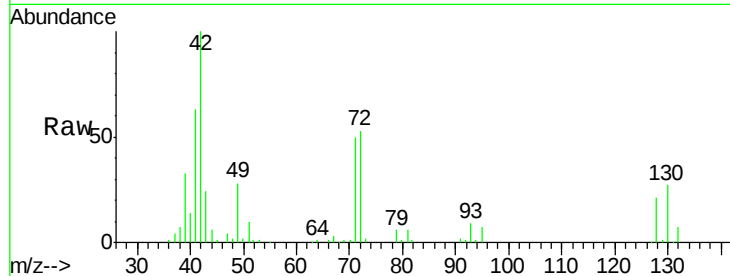
#29
Tetrahydrofuran
Concen: 224.484 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	33.1	49.7#
71	48.4	31.4	47.0#

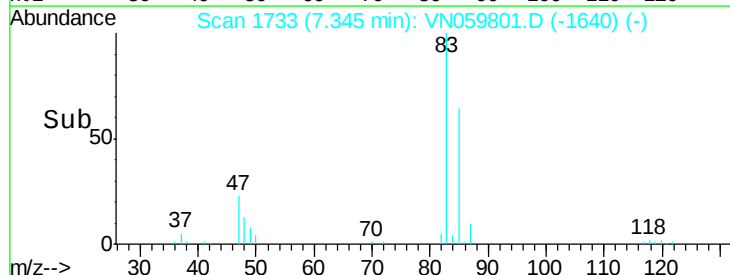
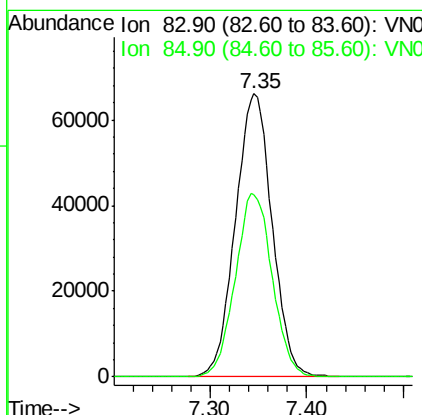
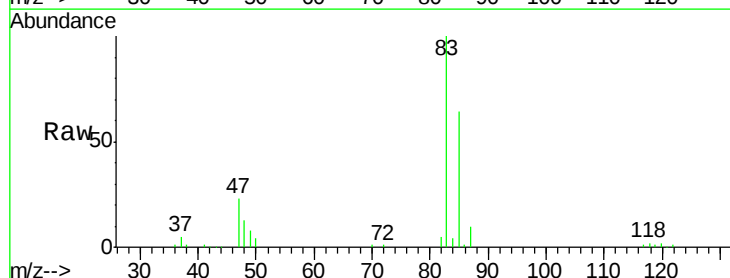
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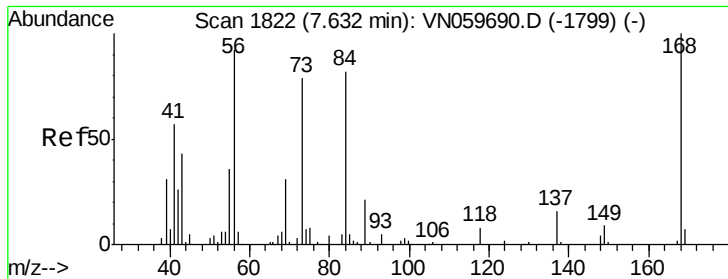
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#30
Chloroform
Concen: 52.024 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





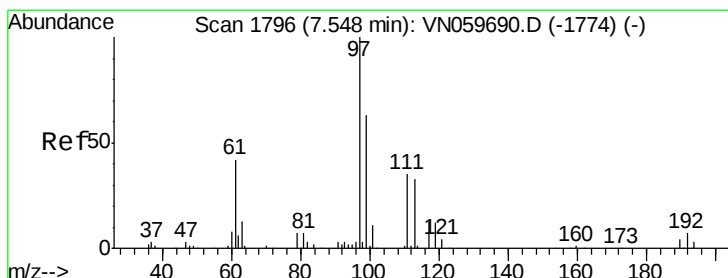
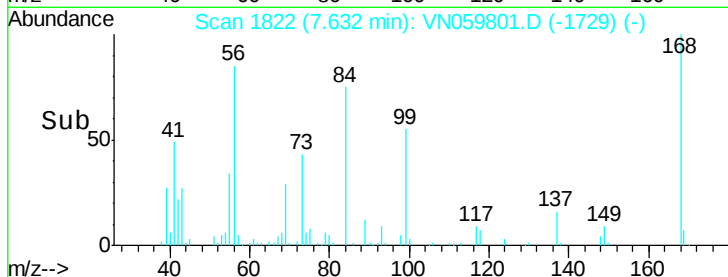
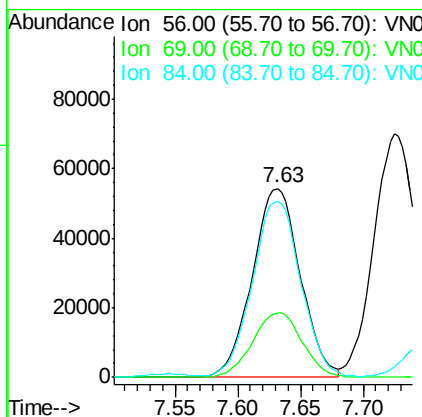
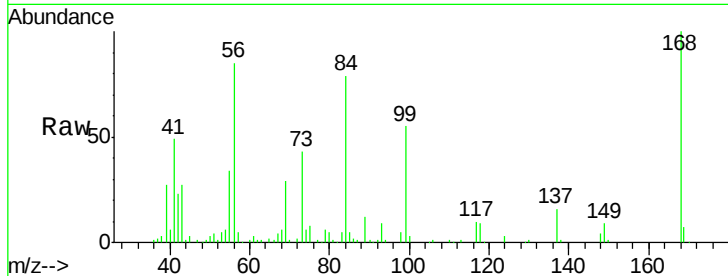
#31
Cyclohexane
Concen: 46.600 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.5	39.7
84	91.9	65.3	97.9

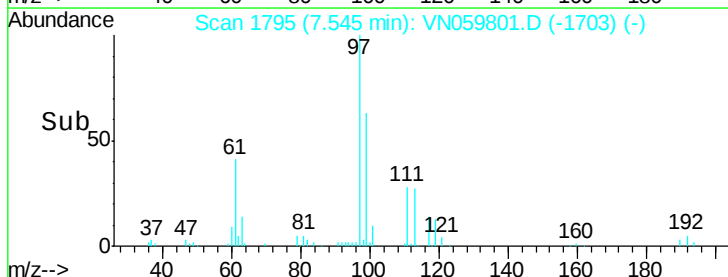
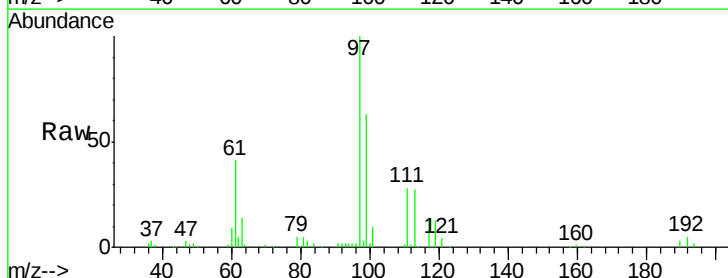
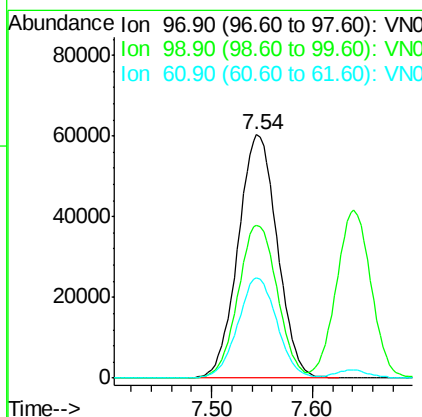
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#32
1,1,1-Trichloroethane
Concen: 52.622 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.4
61	41.0	38.5	57.7





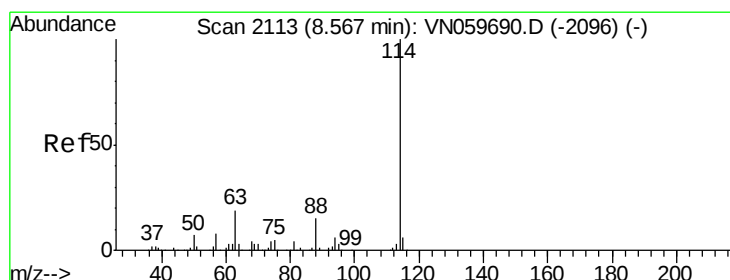
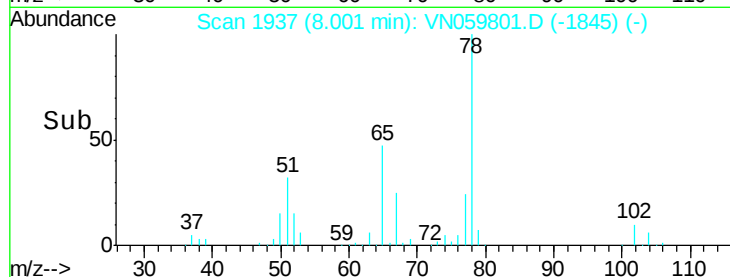
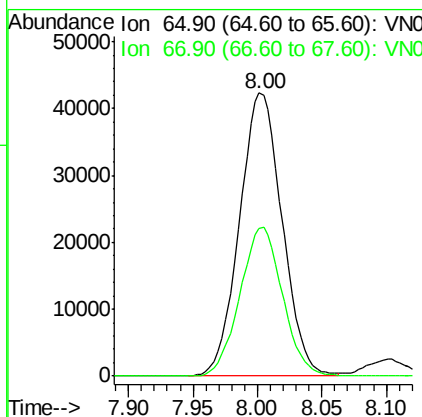
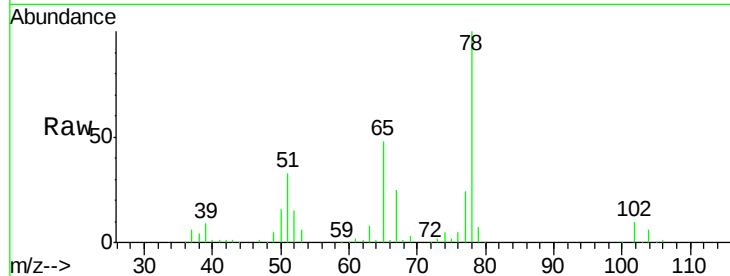
#33
 1,2-Dichloroethane-d4
 Concen: 46.553 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.0	

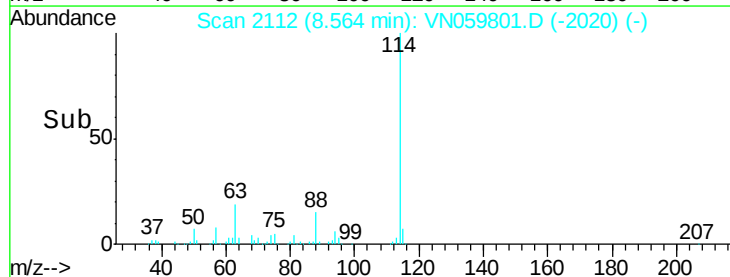
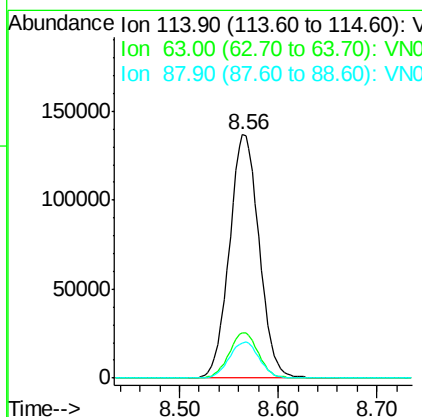
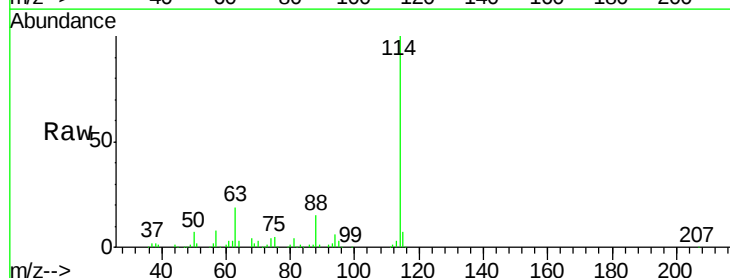
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	43.6	
88	14.6	0.0	31.4	





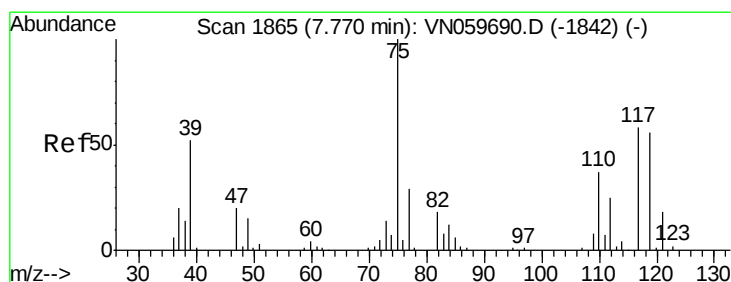
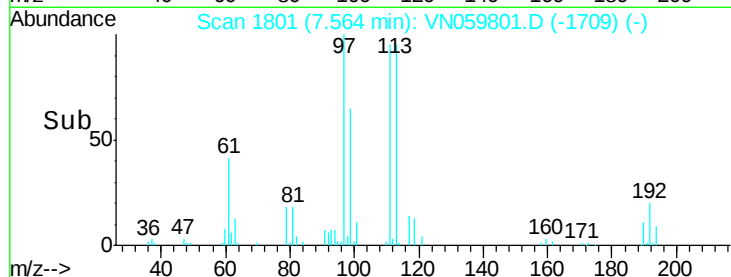
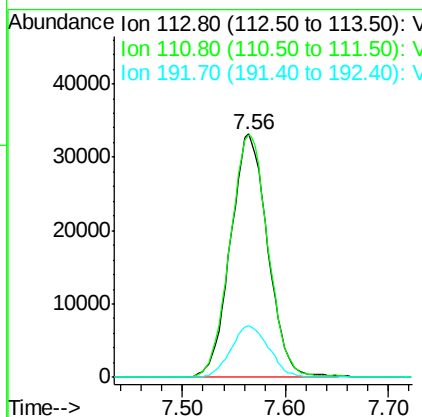
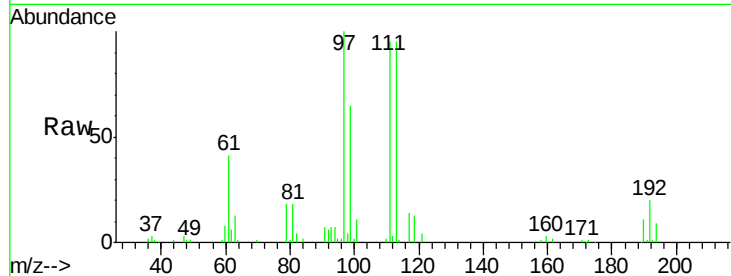
#35
Dibromofluoromethane
Concen: 48.648 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83251		
111	101.4	83.5	125.3	
192	21.4	15.4	23.2	

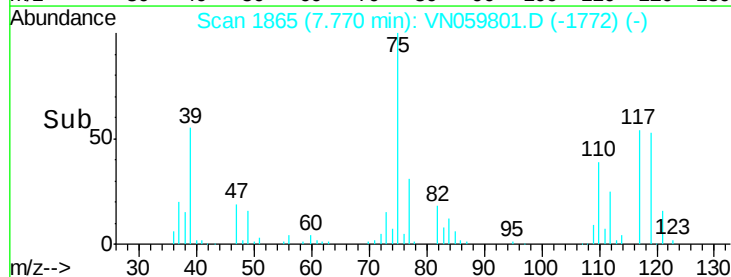
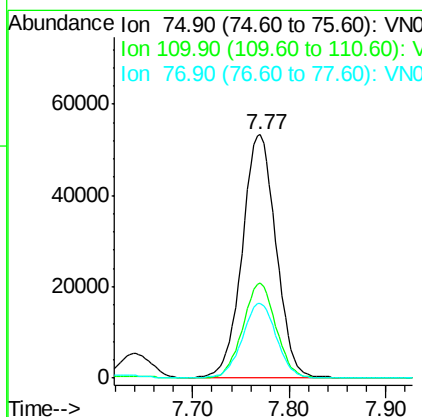
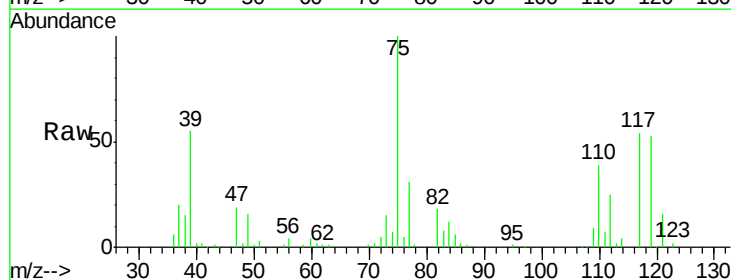
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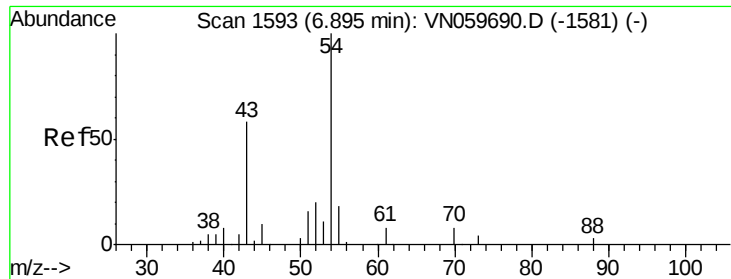
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#36
1,1-Dichloropropene
Concen: 51.867 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129615		
110	38.2	16.6	49.7	
77	30.9	25.1	37.7	





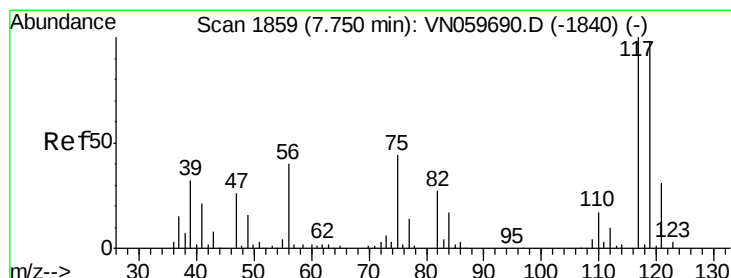
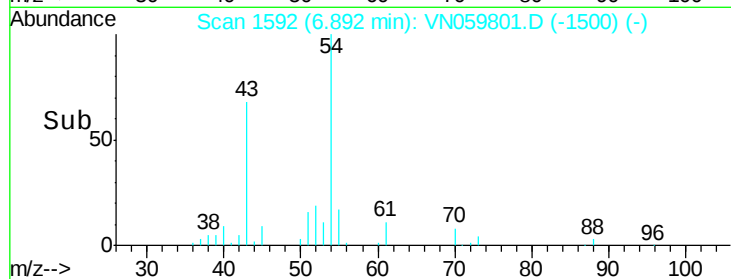
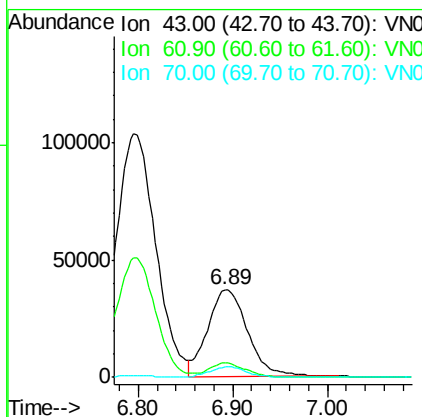
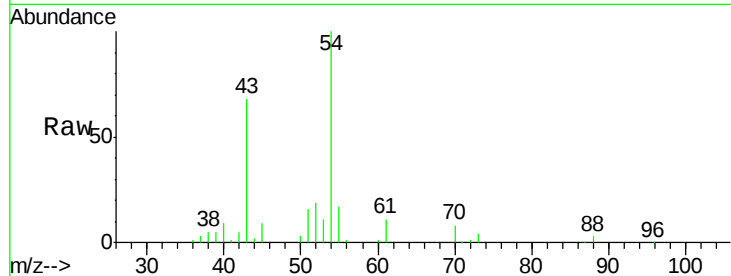
#37
Ethyl Acetate
Concen: 46.243 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.9	16.3
70	11.4	7.7	11.5

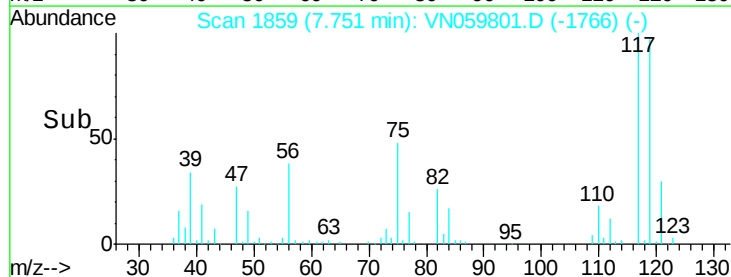
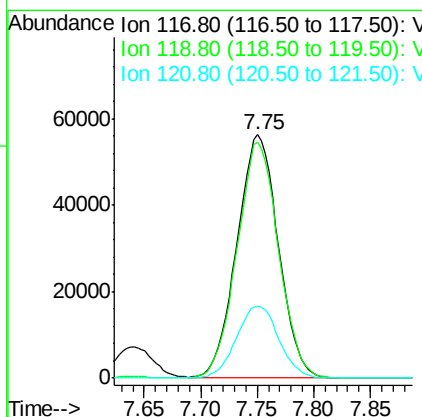
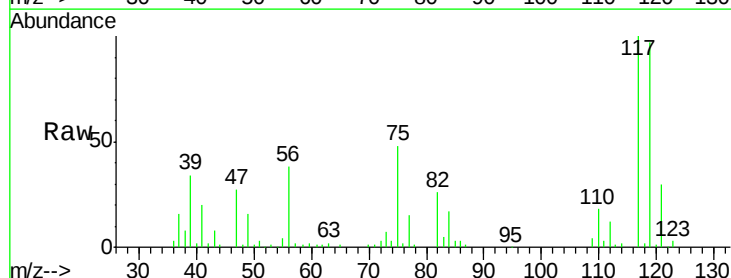
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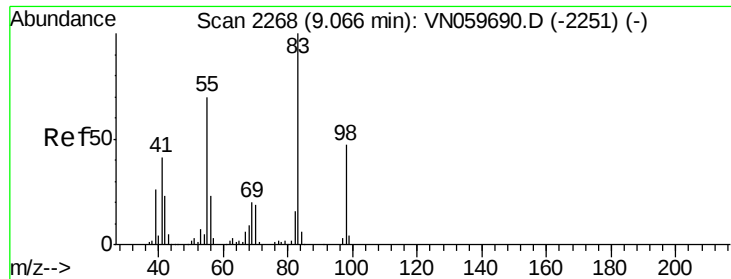
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#38
Carbon Tetrachloride
Concen: 52.927 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.5	114.7
121	29.6	25.1	37.7





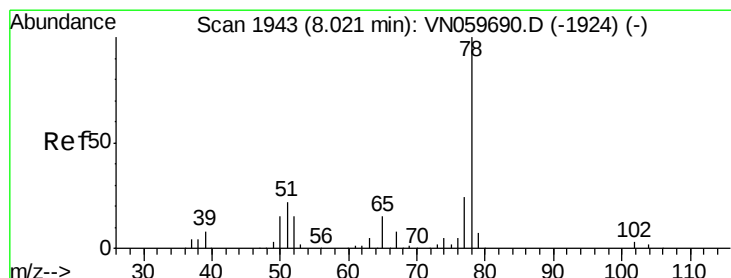
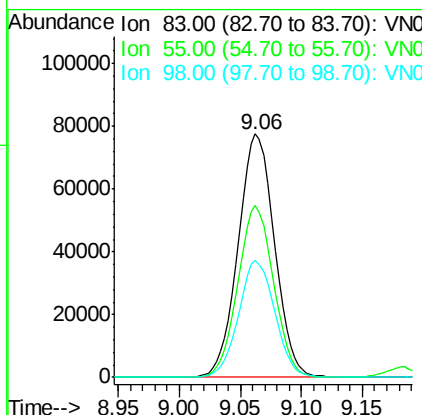
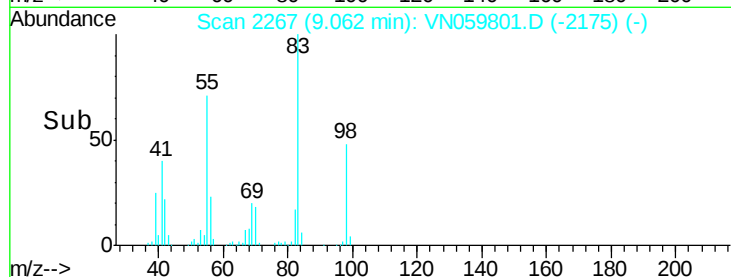
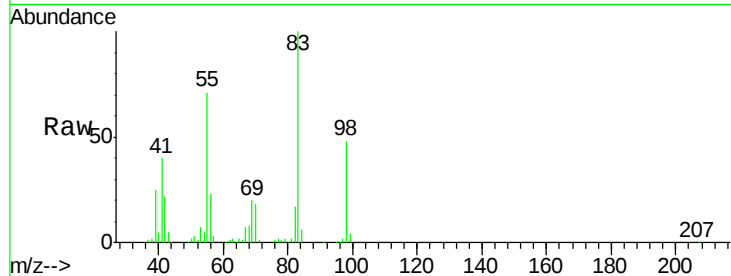
#39
Methvlcvclohexane
Concen: 52.011 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160262		
55	70.5	64.2	96.2	
98	47.8	35.9	53.9	

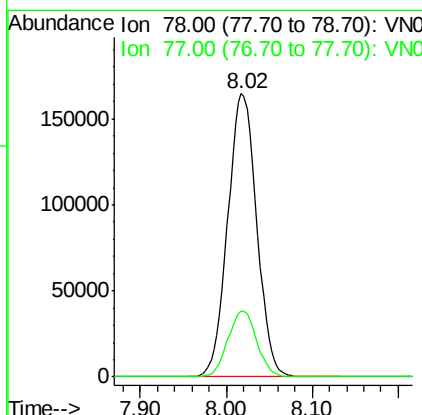
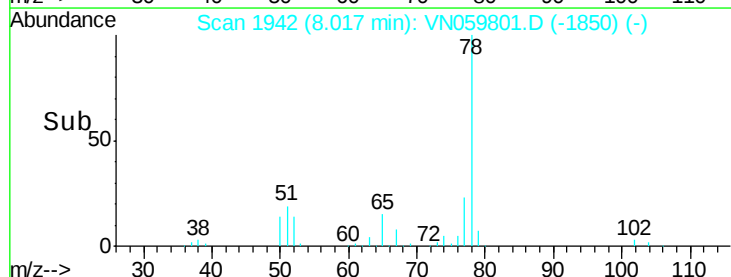
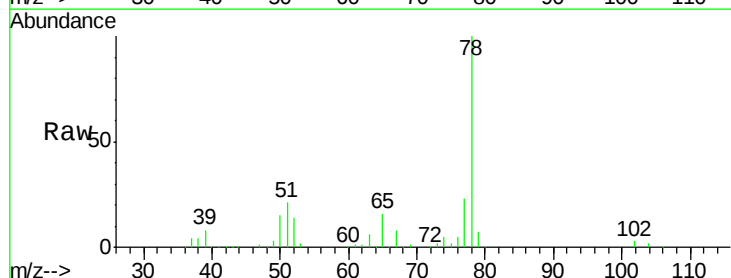
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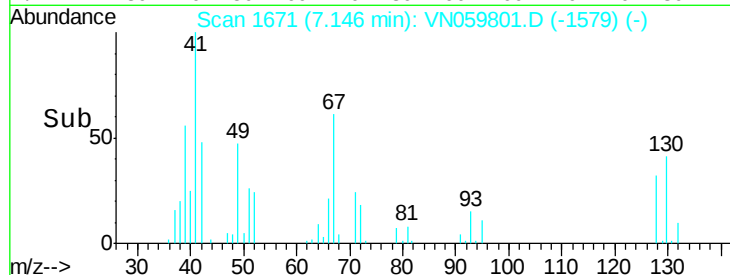
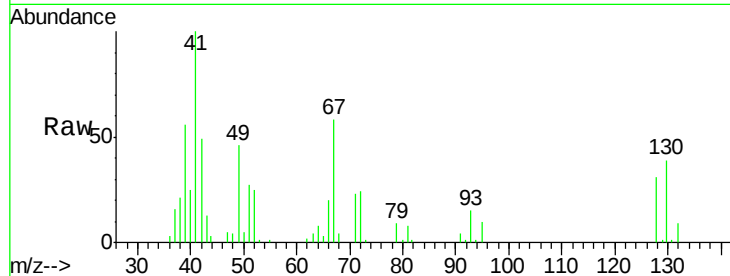
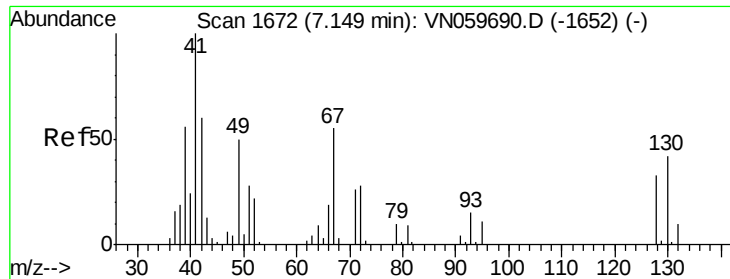
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#40
Benzene
Concen: 51.726 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	385505		
77	23.3	18.9	28.3	





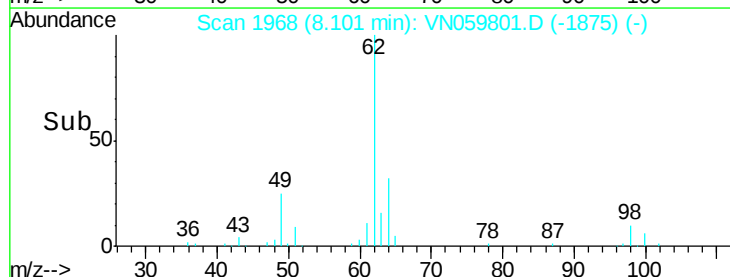
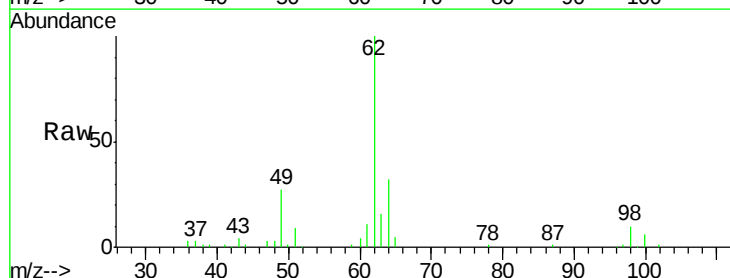
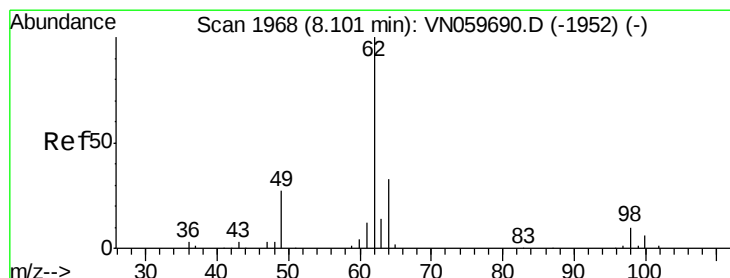
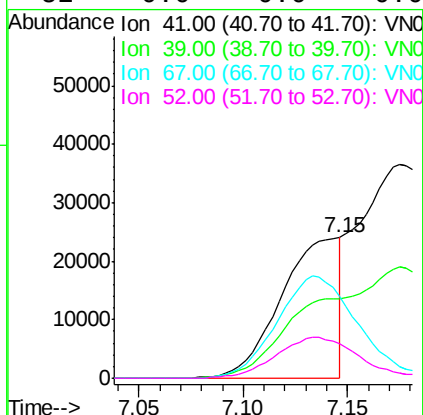
#41
Methacrylonitrile
Concen: 40.847 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tot Ion	41	Resp:	47157
Ion	Ratio	Lower	Upper
41	100		
39	177.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

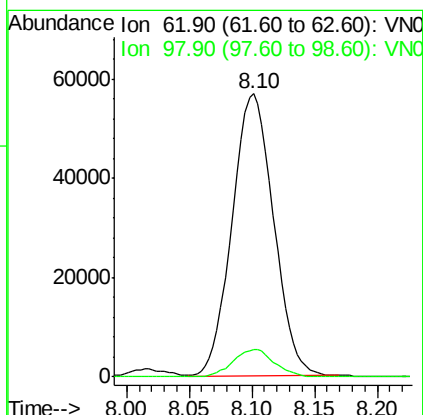
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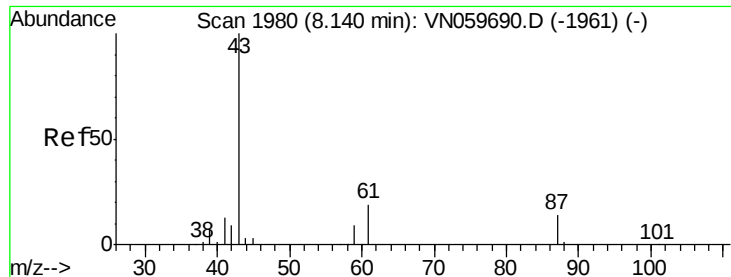
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.956 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	62	Resp:	131288
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	15.8





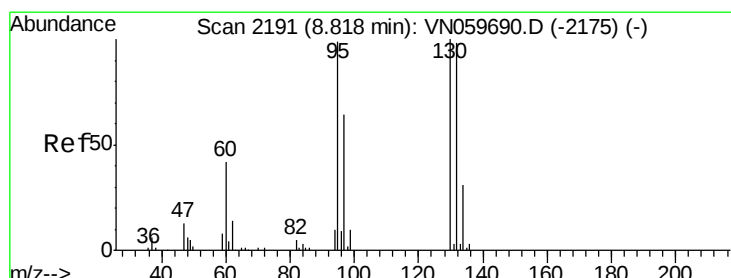
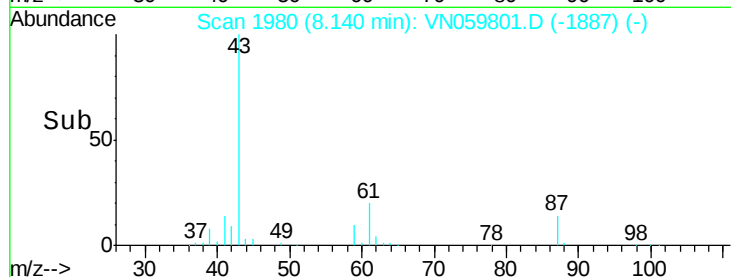
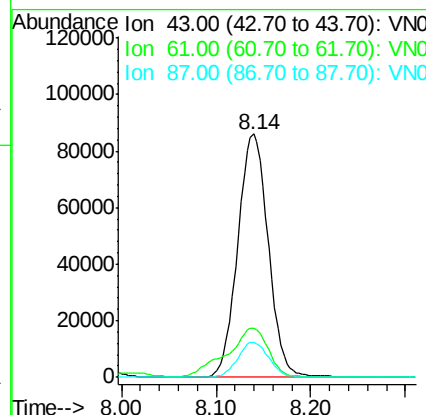
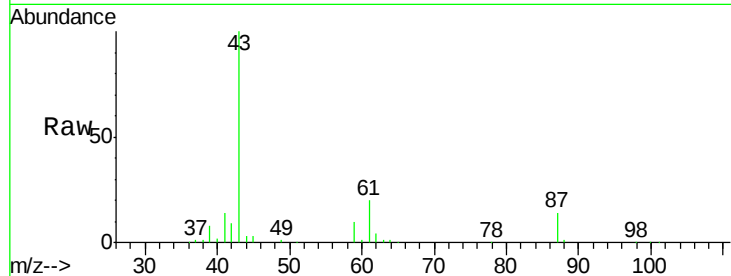
#43
Isopropyl Acetate
Concen: 47.857 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	14.6	9.5	14.3

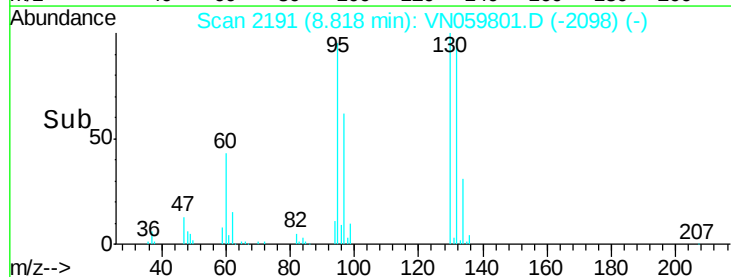
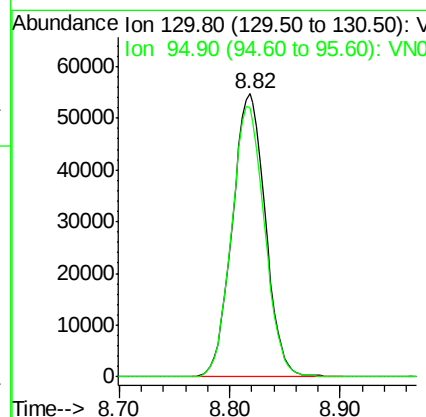
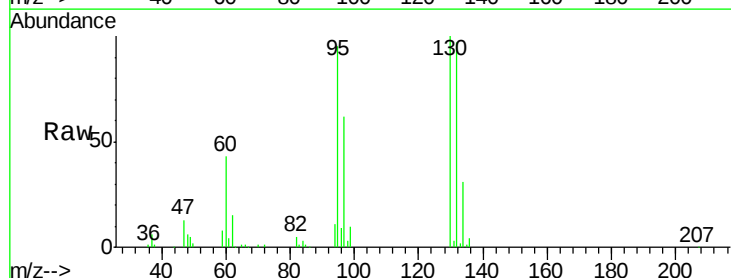
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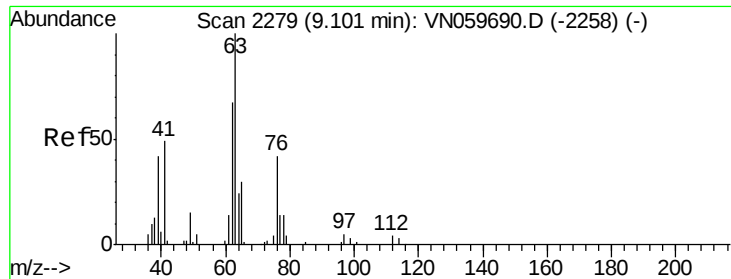
MMDadoda
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#44
Trichloroethene
Concen: 55.797 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	207.0





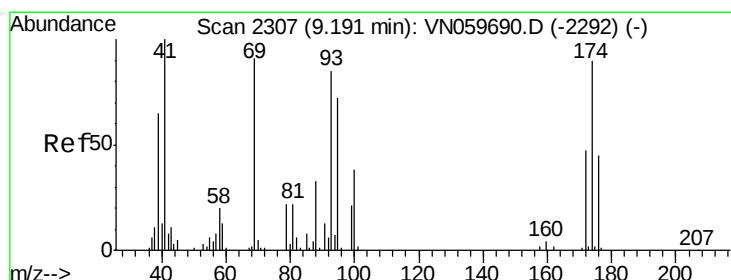
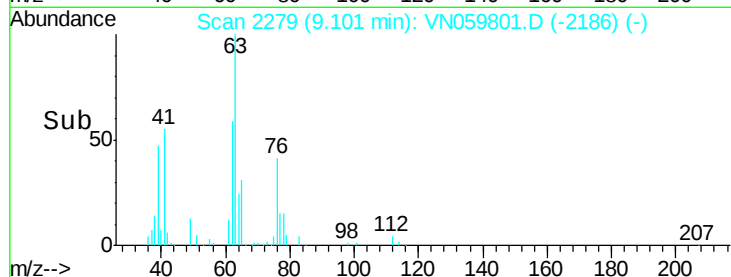
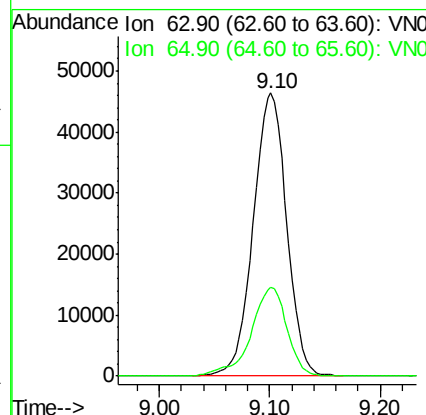
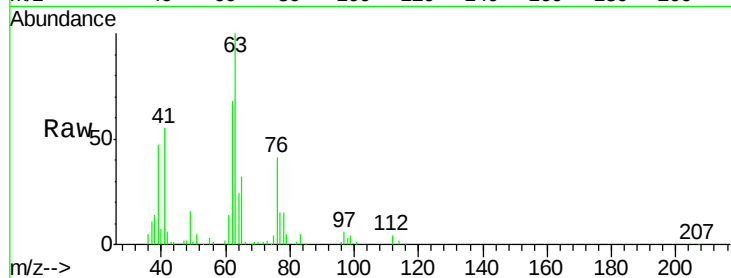
#45
 1,2-Dichloropropane
 Concen: 52.777 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.9	37.3

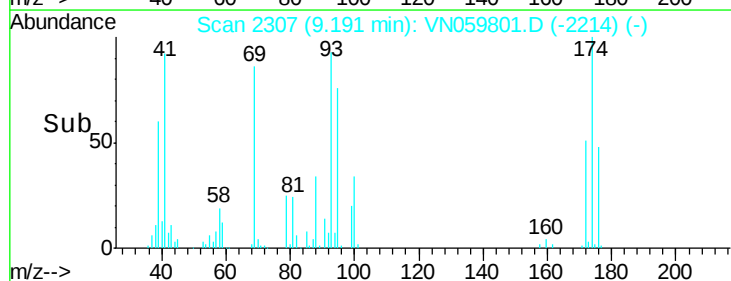
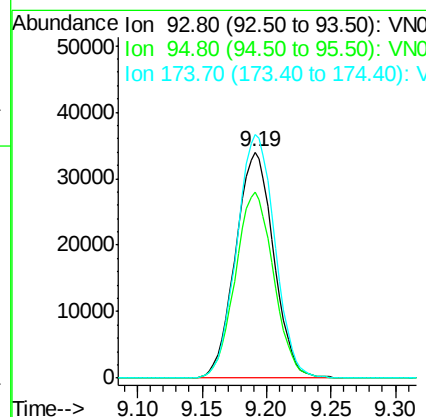
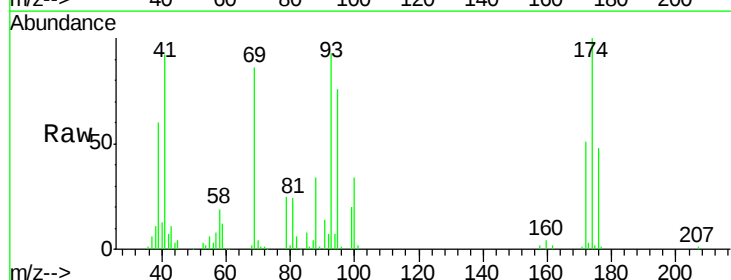
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#46
 Dibromomethane
 Concen: 53.835 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.0	100.6
174	107.6	73.4	110.2





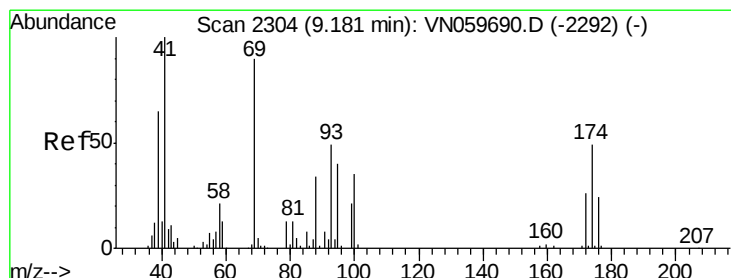
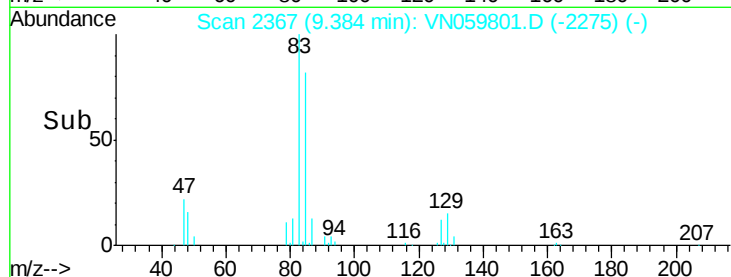
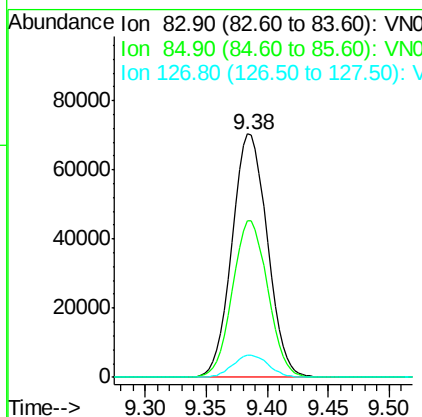
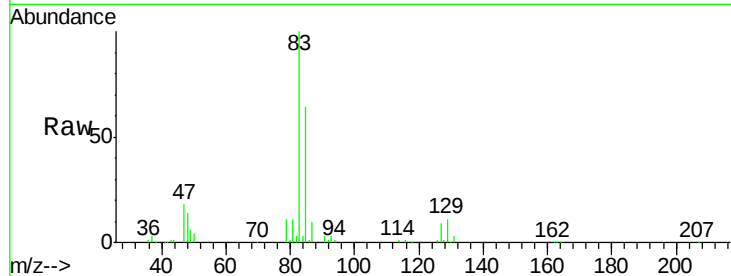
#47
Bromodichloromethane
Concen: 54.010 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	9.2	6.6	9.8

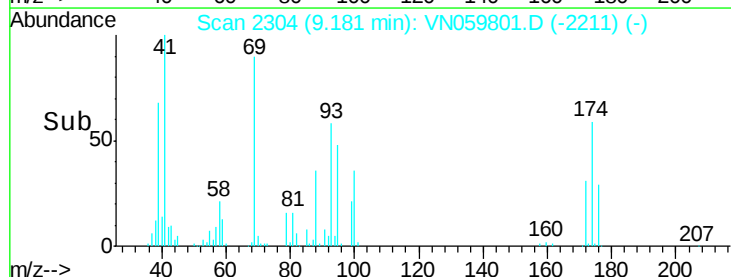
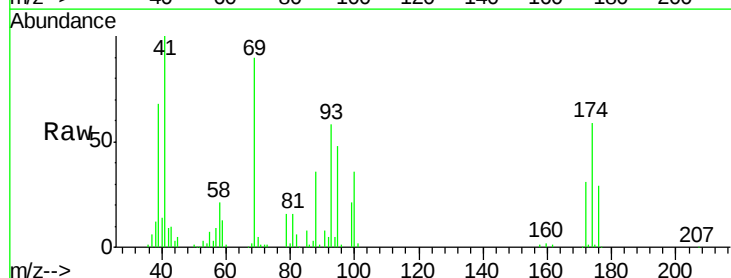
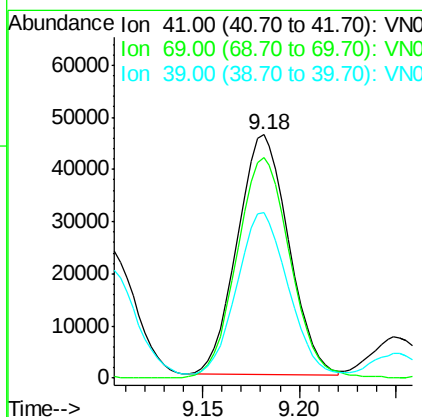
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#48
Methyl methacrylate
Concen: 47.266 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.3	64.4	96.6
39	70.2	51.3	76.9





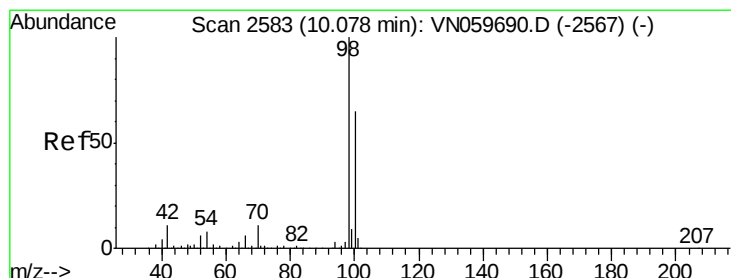
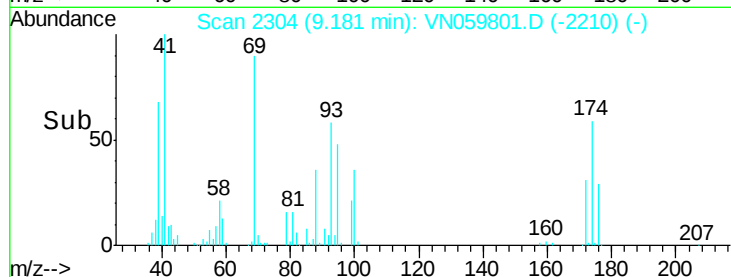
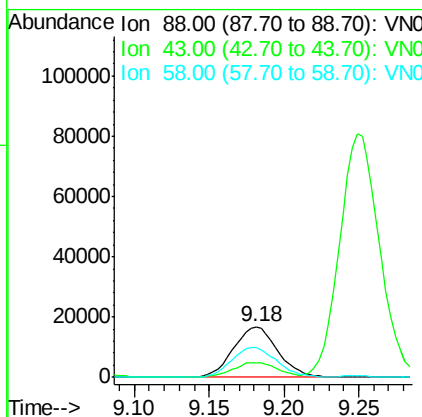
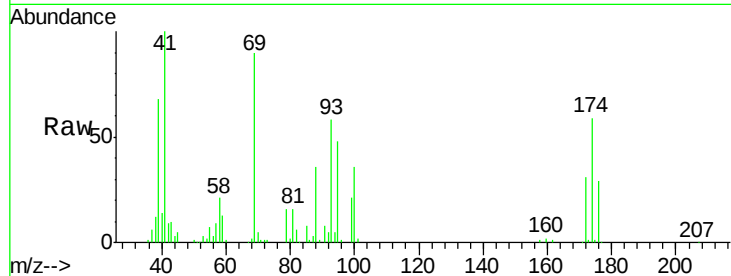
#49
1,4-Dioxane
Concen: 1045.428 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	34511
Ion	Ratio	Lower	Upper
88	100		
43	29.7	29.7	44.5#
58	60.6	56.6	85.0

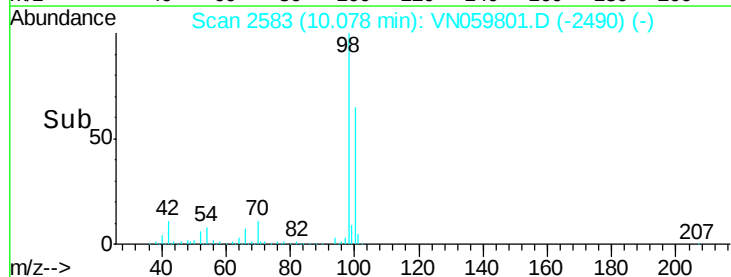
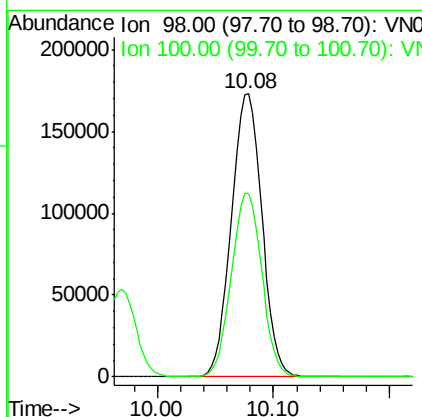
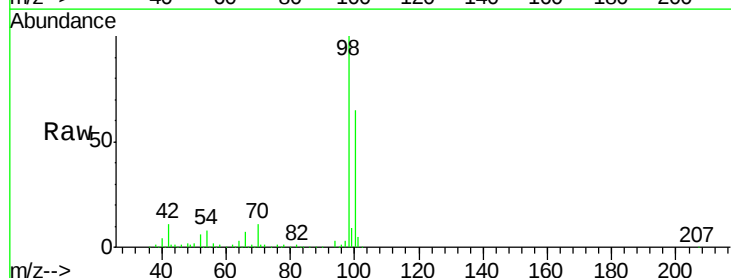
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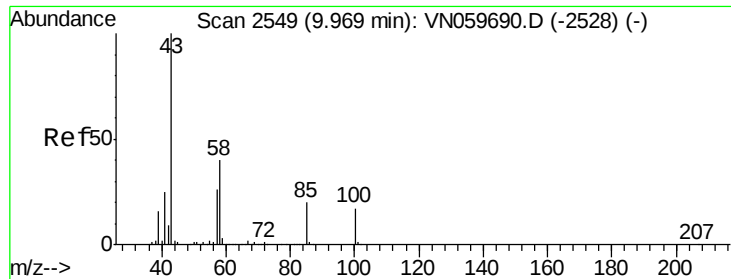
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#50
Toluene-d8
Concen: 47.588 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	98	Resp	315529
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 236.815 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 551891

Ion Ratio Lower Upper

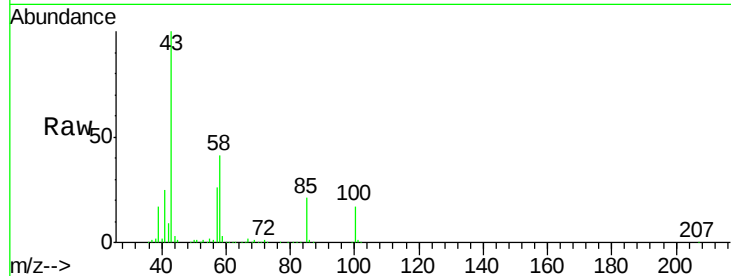
43 100

58 41.0 29.8 44.8

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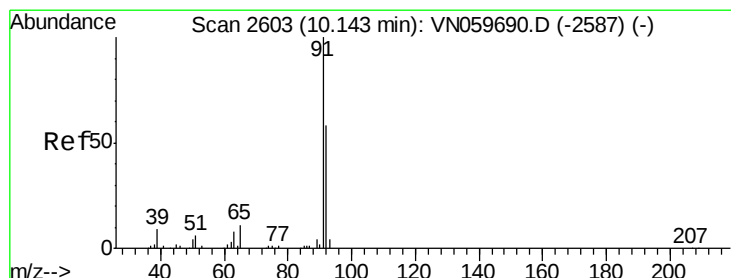
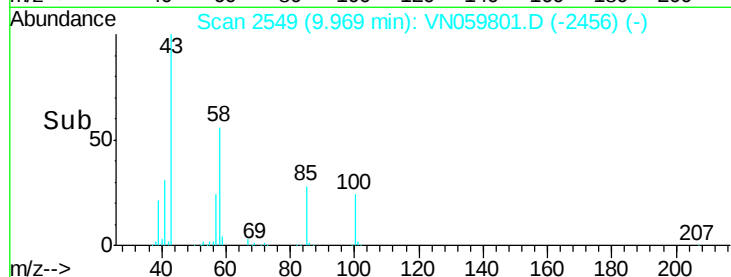
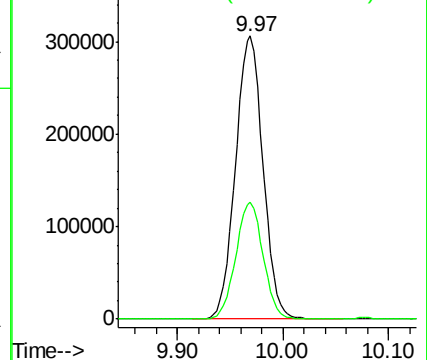
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.830 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059801.D

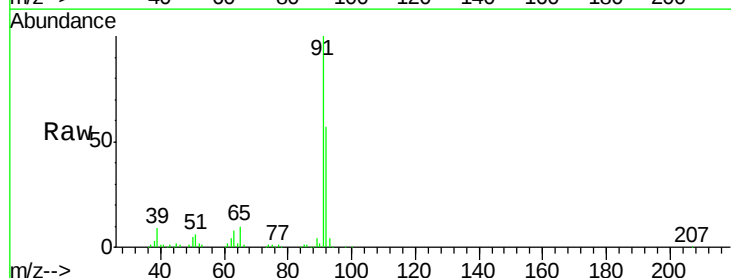
Acq: 21 Jan 2020 9:19

Tgt Ion: 92 Resp: 248699

Ion Ratio Lower Upper

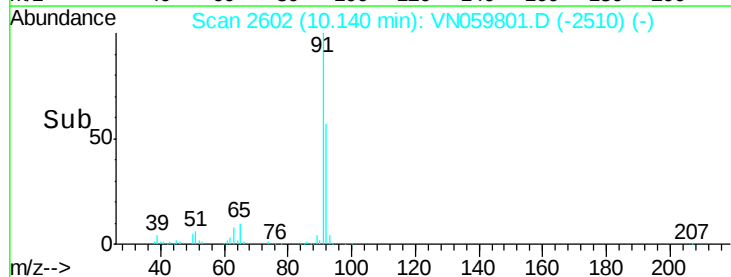
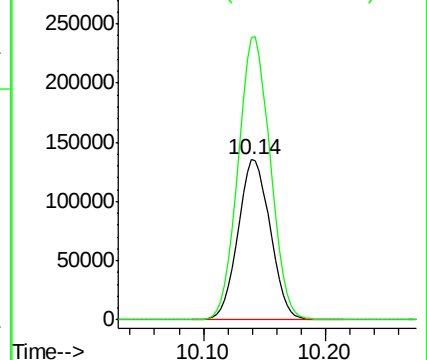
92 100

91 176.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





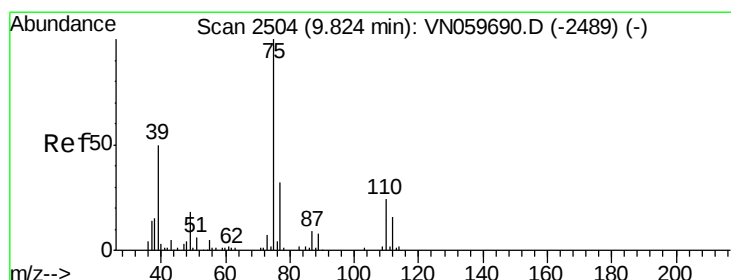
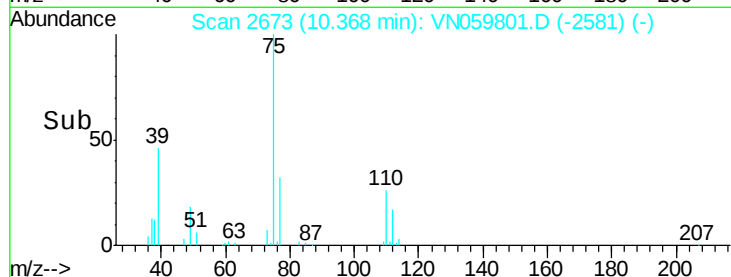
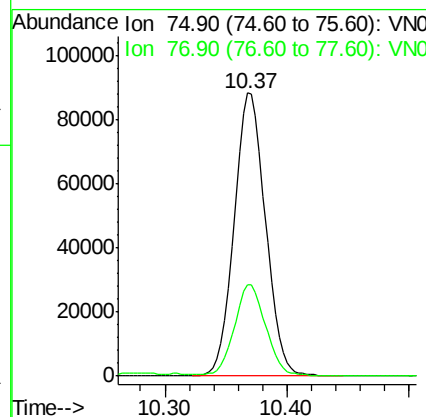
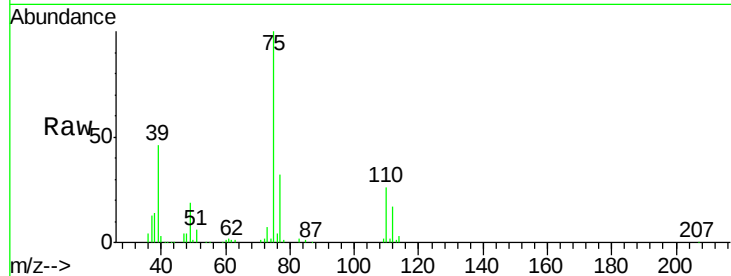
#53
t-1,3-Dichloropropene
Concen: 54.021 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 158131
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

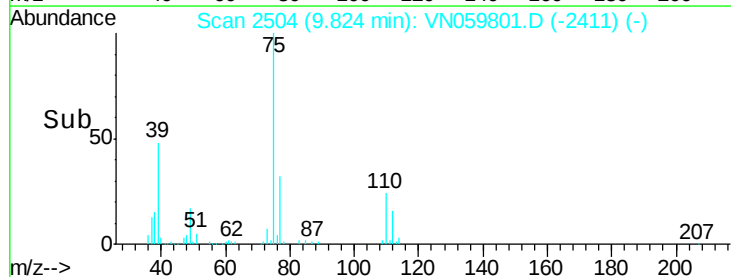
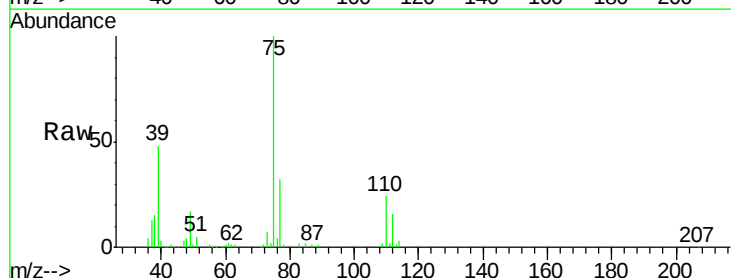
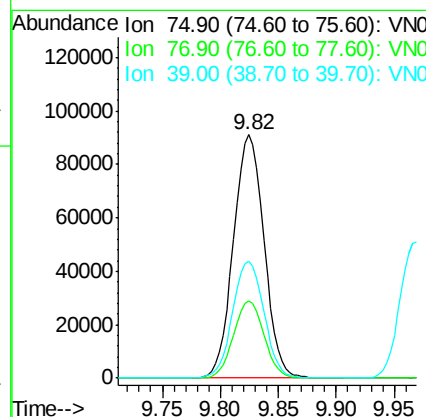
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#54
cis-1,3-Dichloropropene
Concen: 54.245 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion: 75 Resp: 167072
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 47.8 46.1 69.1





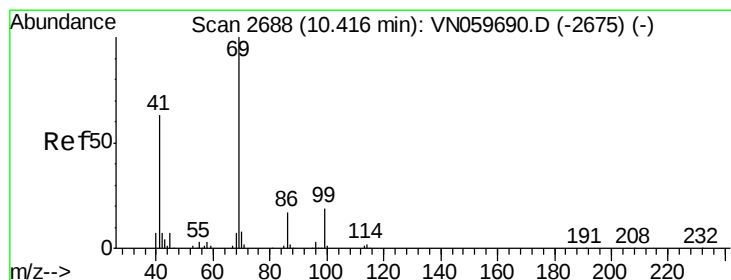
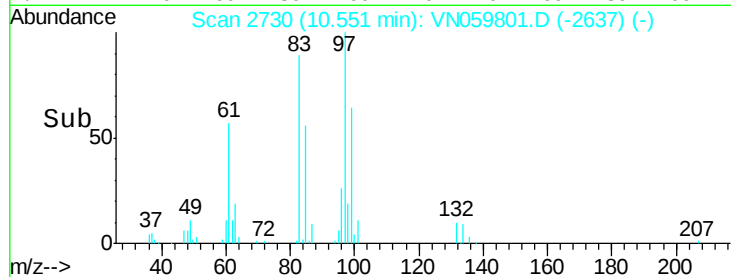
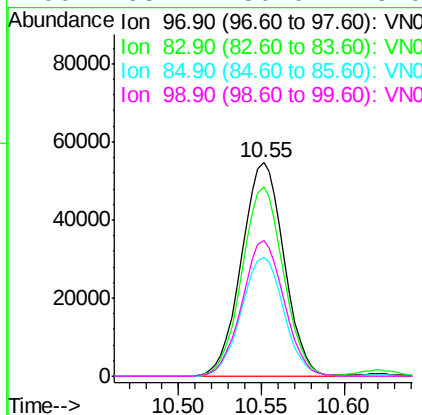
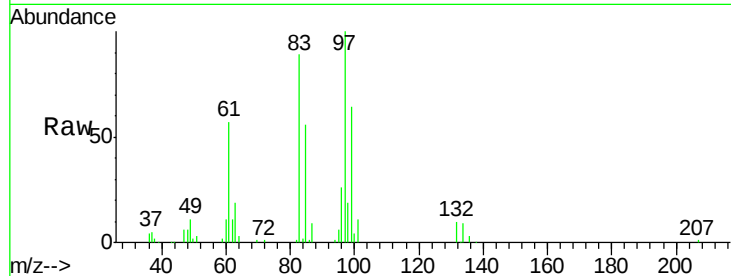
#55
 1,1,2-Trichloroethane
 Concen: 52.349 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100			
83	83	88.7	71.3	106.9	
85	85	55.7	45.8	68.8	
99	99	63.7	50.0	75.0	

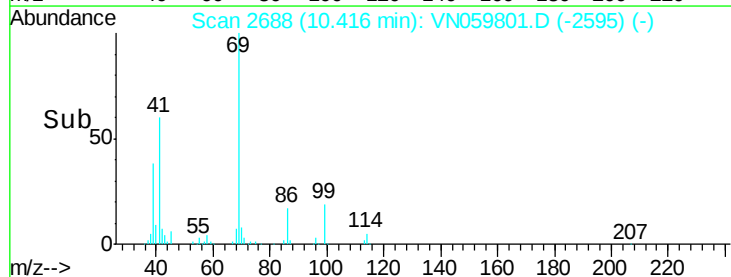
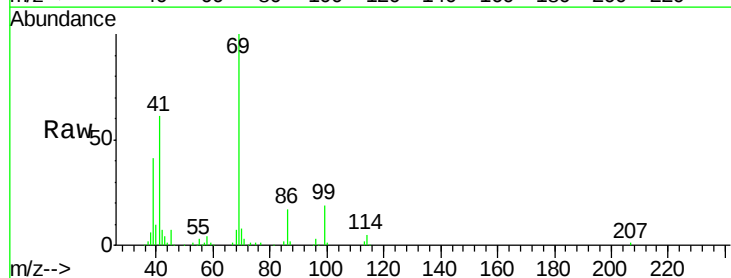
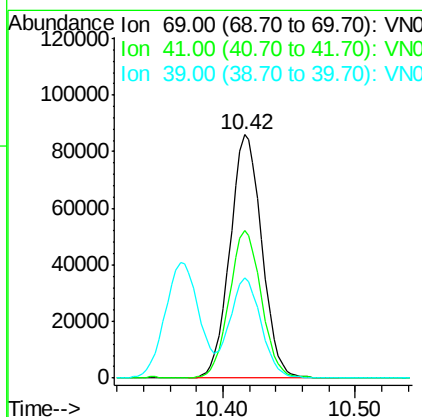
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#56
 Ethyl methacrylate
 Concen: 50.456 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100			
41	41	60.7	57.1	85.7	
39	39	40.5	34.7	52.1	





#57

1,3-Dichloropropane

Concen: 53.657 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 158828

Ion Ratio Lower Upper

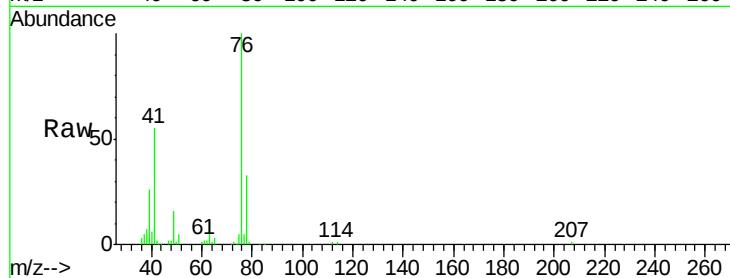
76 100

78 32.9 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN059801.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059801.D (-2682) (-)

10.70

80000

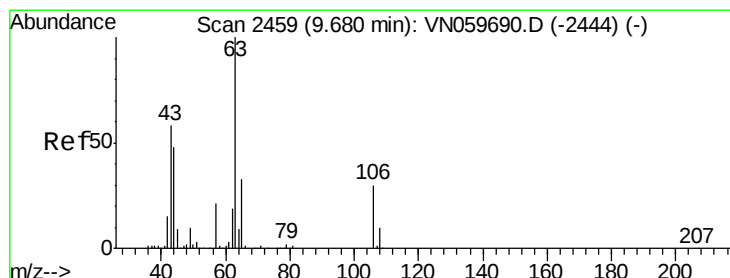
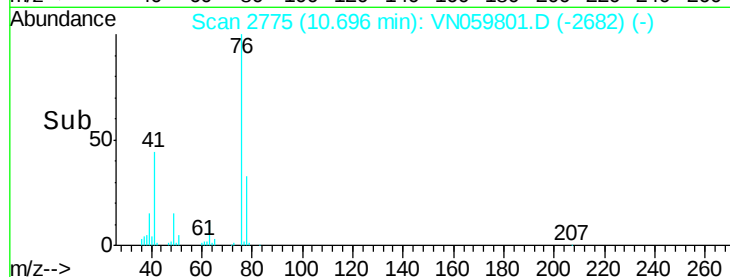
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 377.656 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059801.D

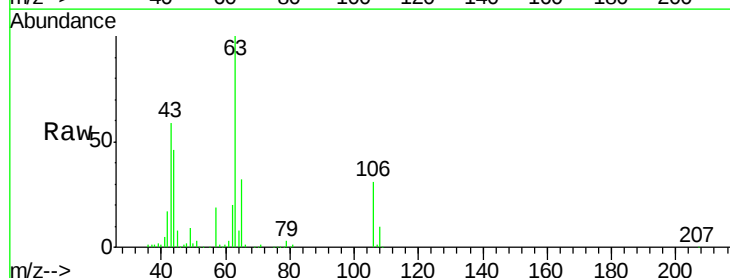
Acq: 21 Jan 2020 9:19

Tgt Ion: 63 Resp: 324068

Ion Ratio Lower Upper

63 100

106 30.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059801.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059801.D (-2366) (-)

9.68

200000

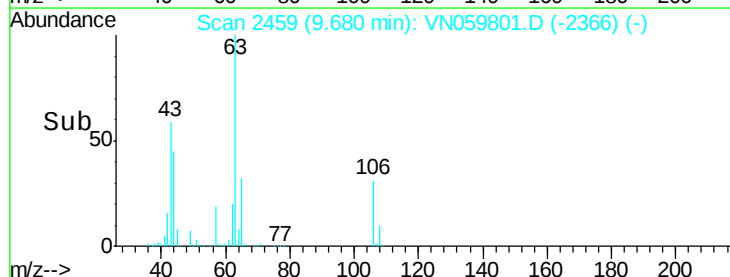
150000

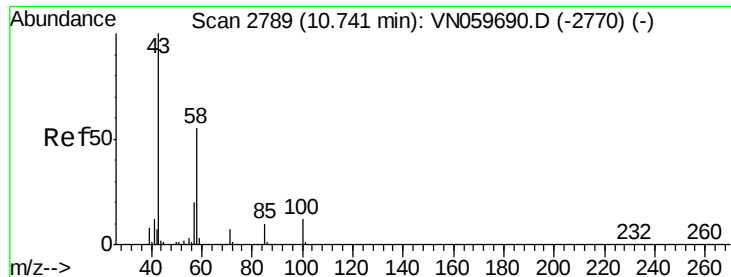
100000

50000

0

Time--> 9.60 9.70 9.80





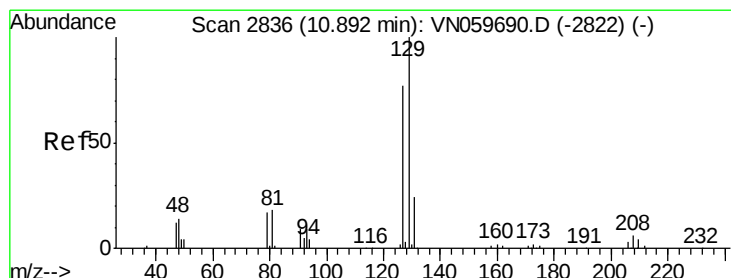
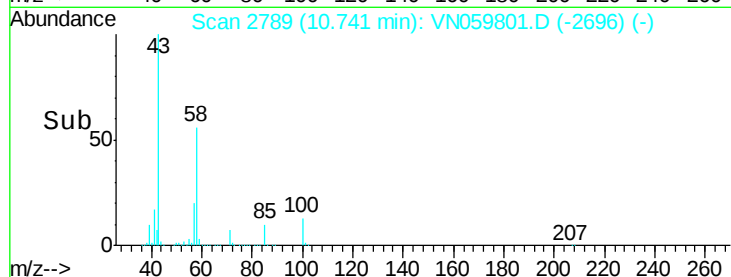
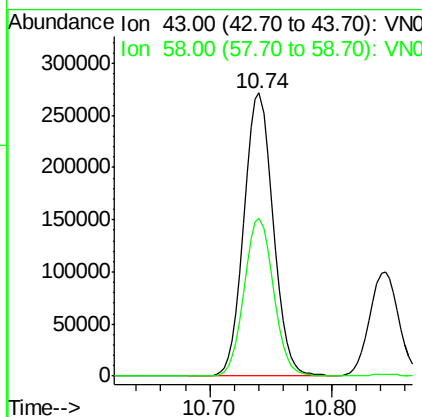
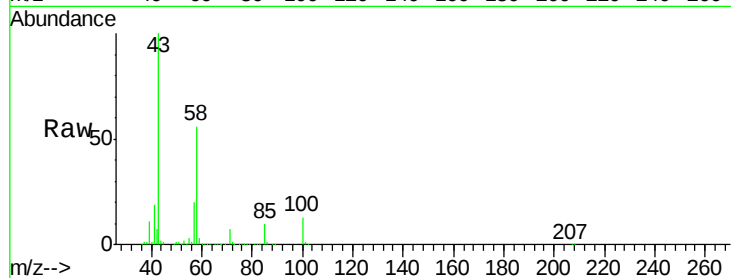
#59
2-Hexanone
Concen: 260.815 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 447784
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3

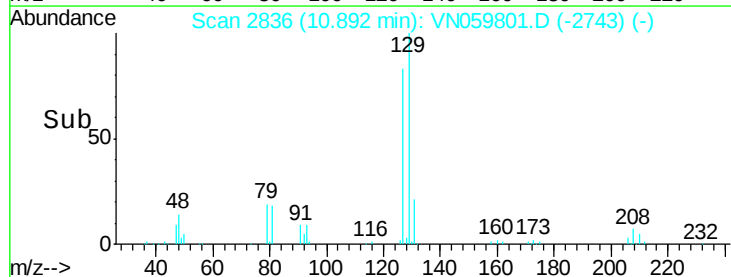
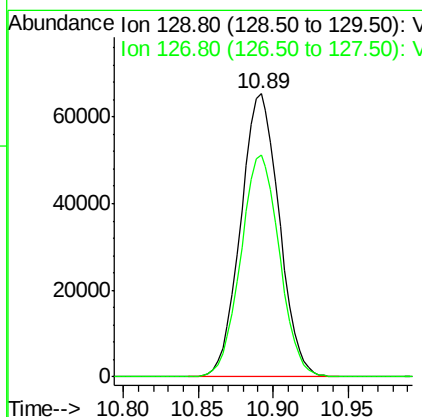
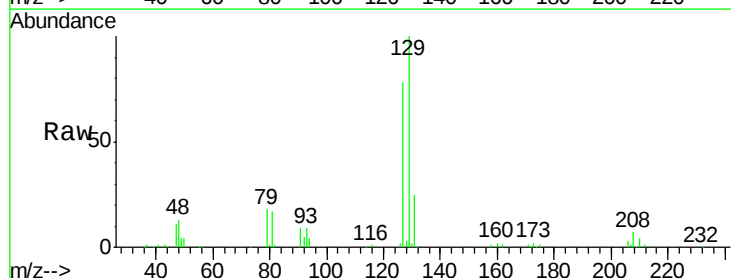
Manual Integrations
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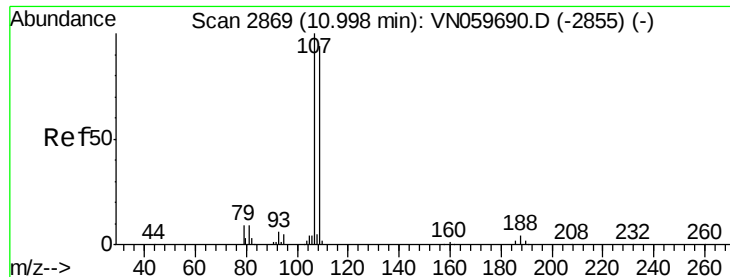
MMDadoda
1/22/2020 11:14:45 AM



#60
Dibromochloromethane
Concen: 55.247 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion: 129 Resp: 117299
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





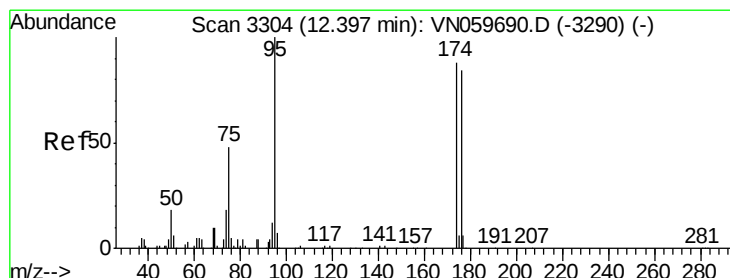
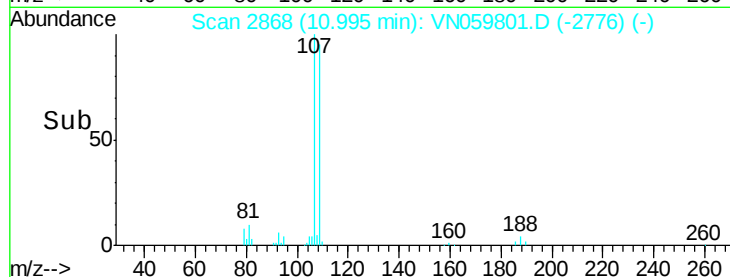
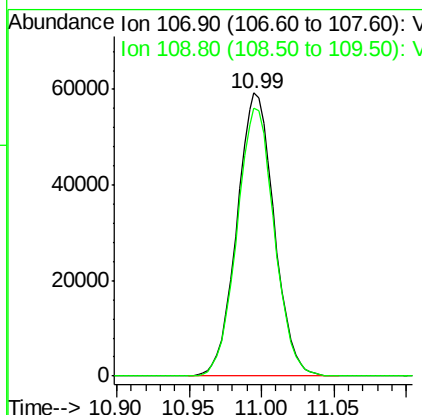
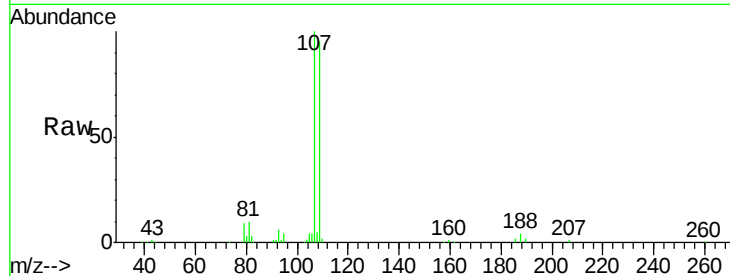
#61
 1,2-Dibromoethane
 Concen: 54.006 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.6	115.0

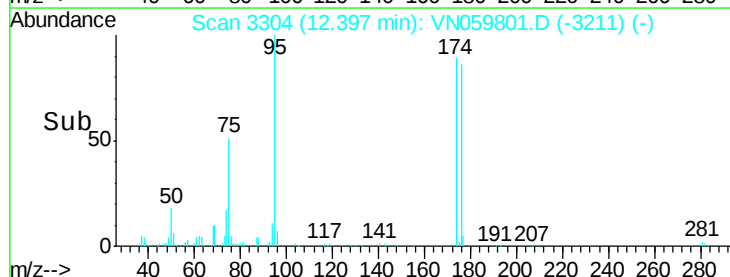
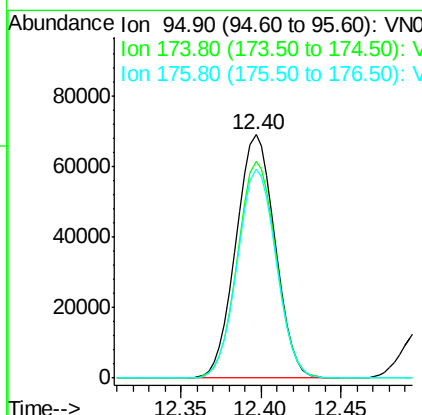
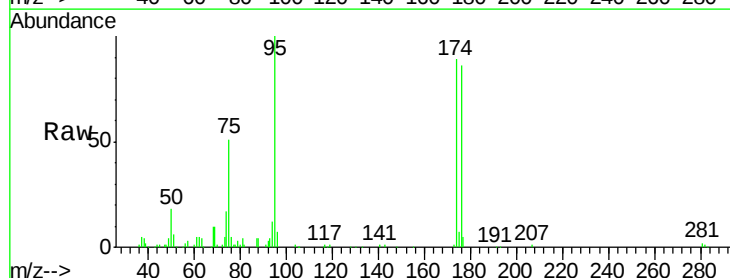
Manual Integrations
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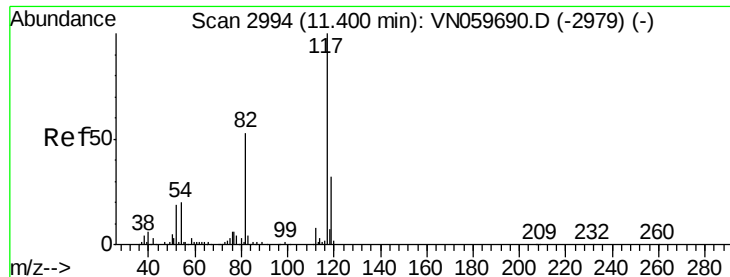
MMDadoda
 1/22/2020 11:14:45 AM



#62
 4-Bromofluorobenzene
 Concen: 48.015 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	151.4
176	85.4	0.0	146.0





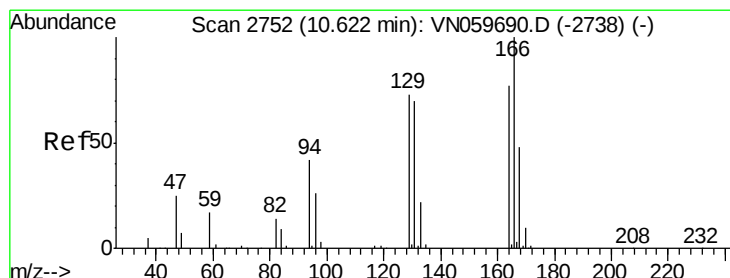
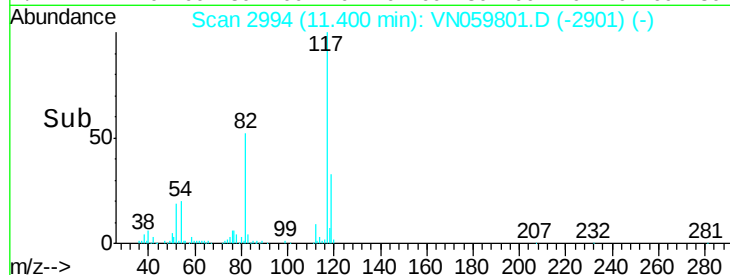
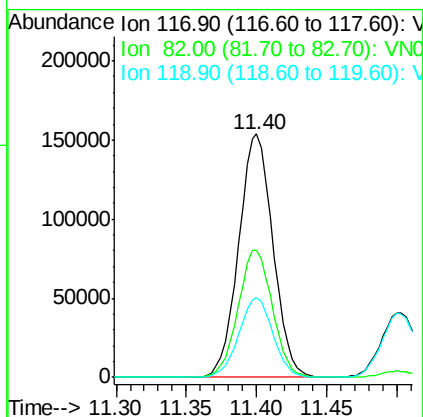
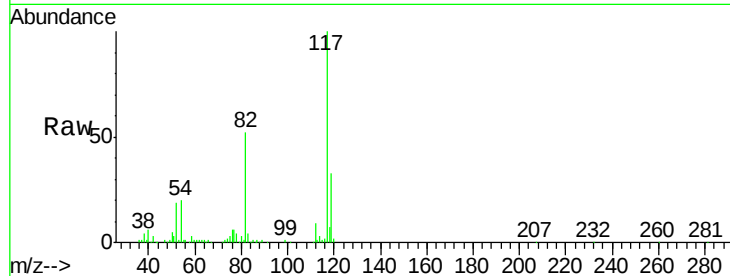
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261785		
82	52.4		45.9	68.9
119	32.9		25.5	38.3

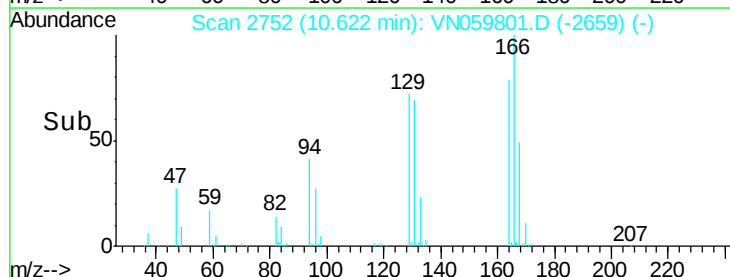
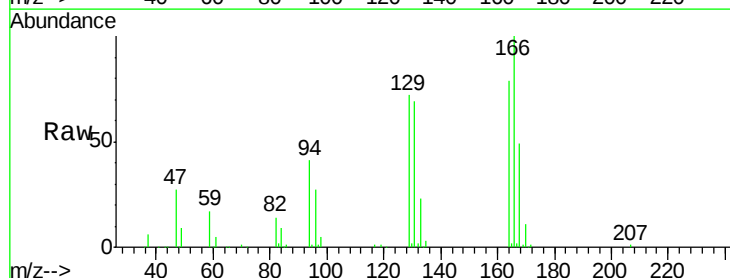
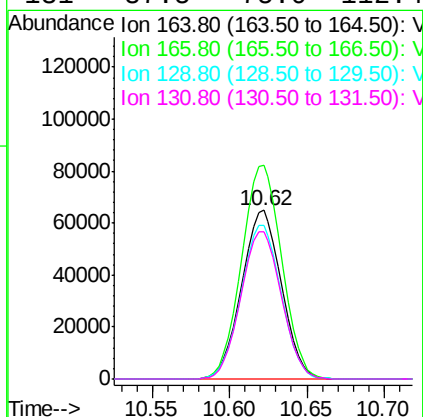
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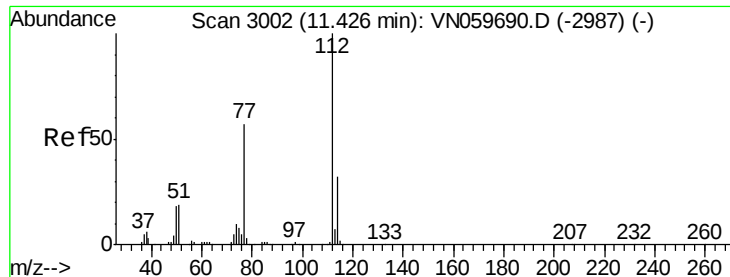
MMDadoda
1/22/2020 11:14:45 AM



#64
Tetrachloroethene
Concen: 54.458 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116189		
166	126.7		101.4	152.0
129	91.3		80.2	120.4
131	87.5		75.0	112.4





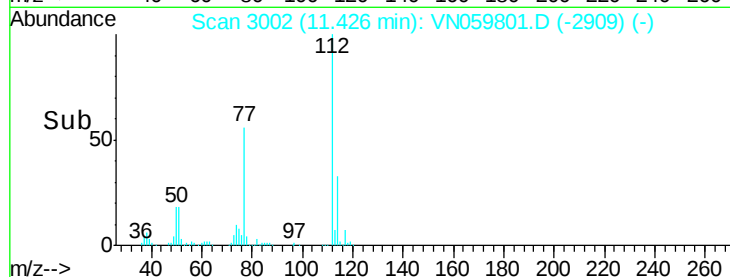
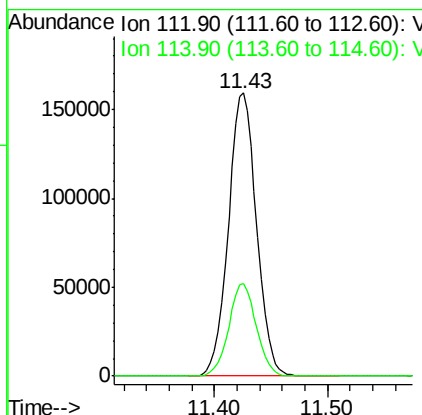
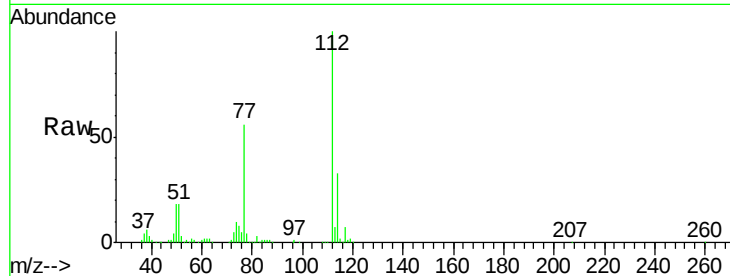
#65
Chlorobenzene
Concen: 53.331 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8

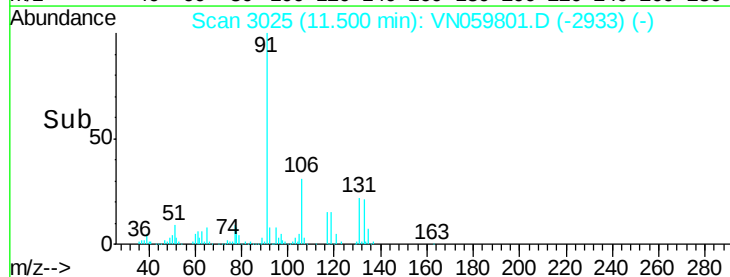
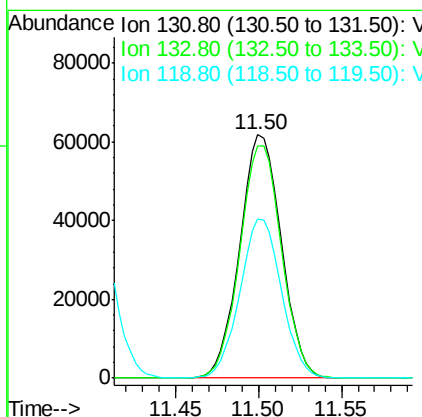
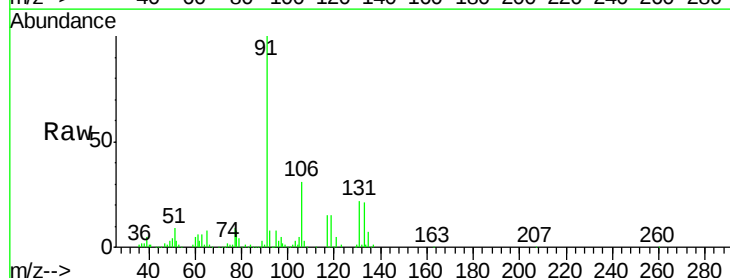
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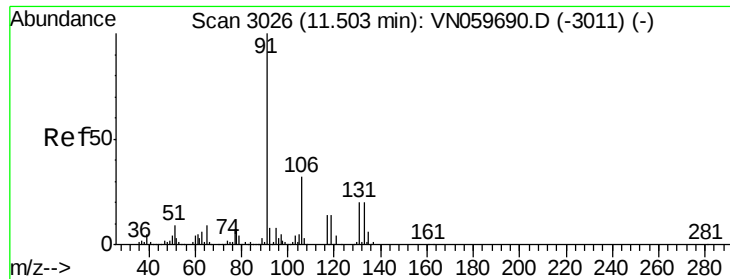
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.239 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.4	142.2
119	65.1	33.1	99.3





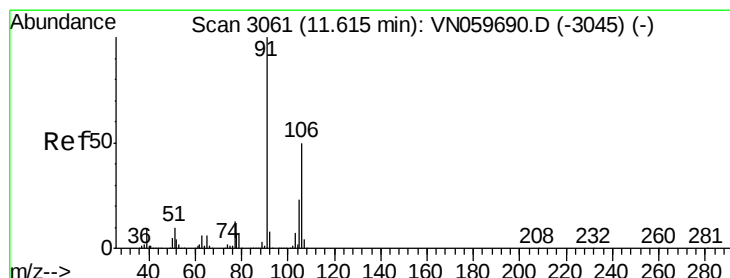
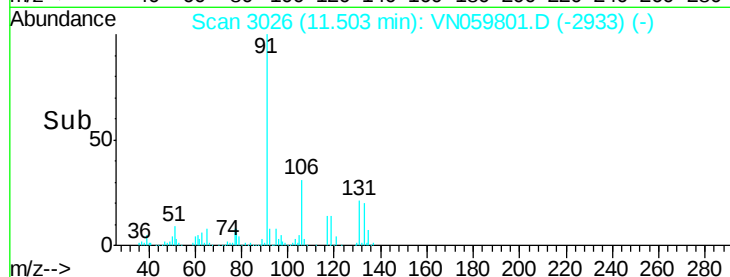
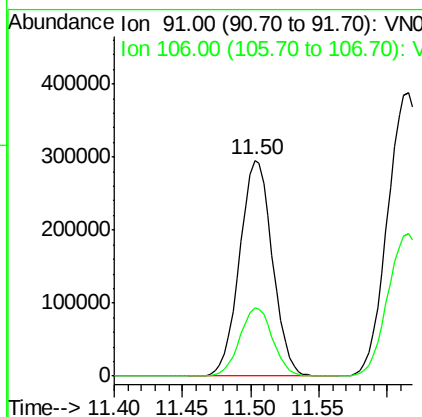
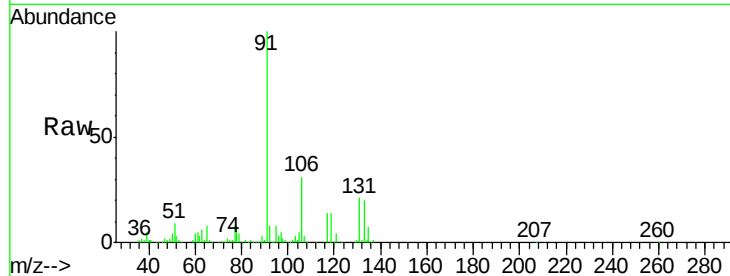
#67
Ethyl Benzene
Concen: 52.814 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 493319
Ion Ratio Lower Upper
91 100
106 31.5 24.1 36.1

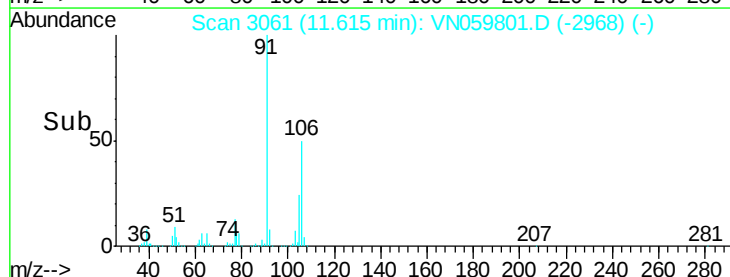
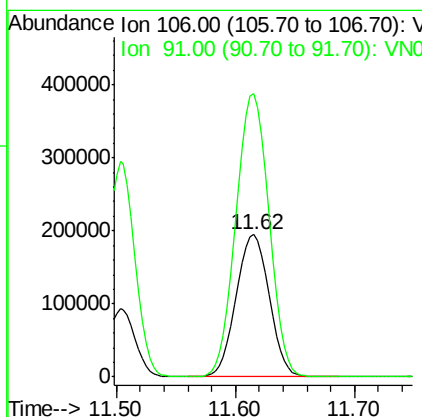
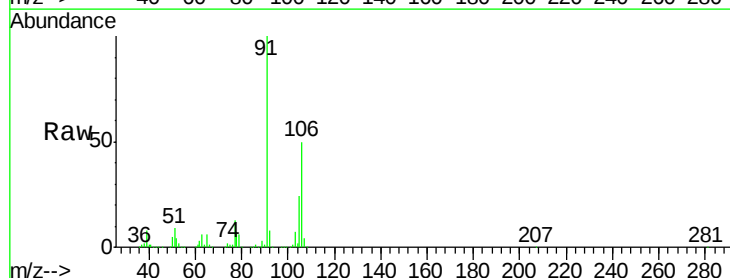
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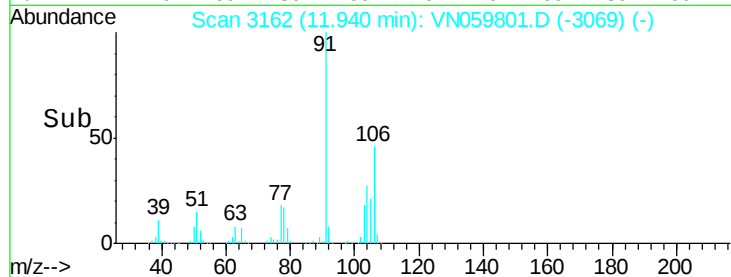
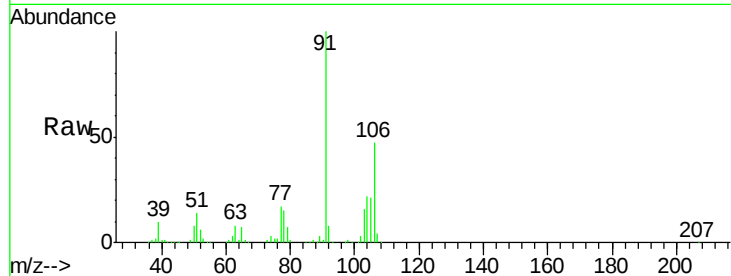
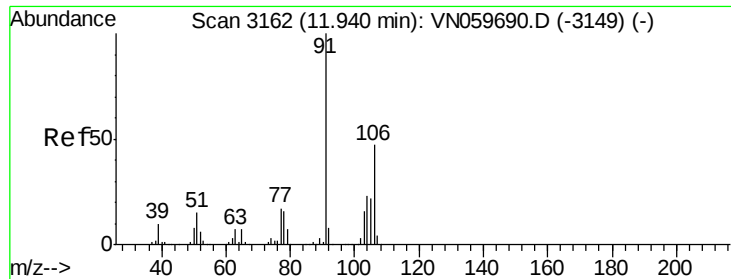
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1/22/2020 11:14:45 AM



#68
m/p-Xylenes
Concen: 106.615 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion: 106 Resp: 376175
Ion Ratio Lower Upper
106 100
91 199.2 167.9 251.9





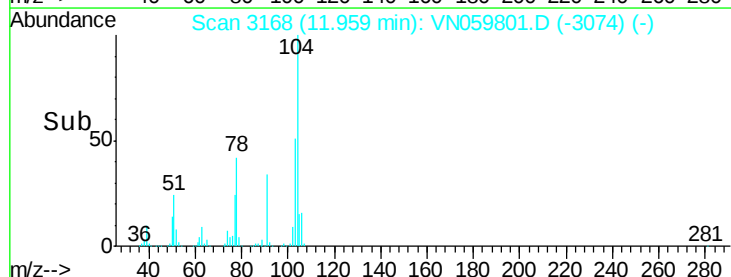
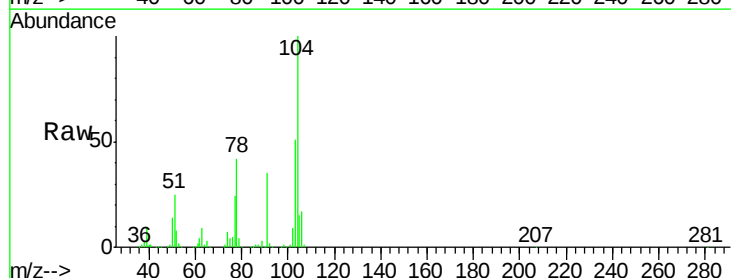
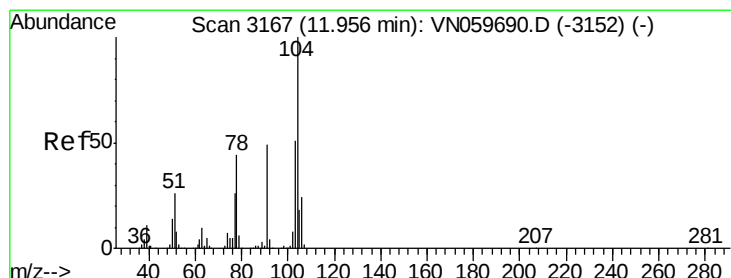
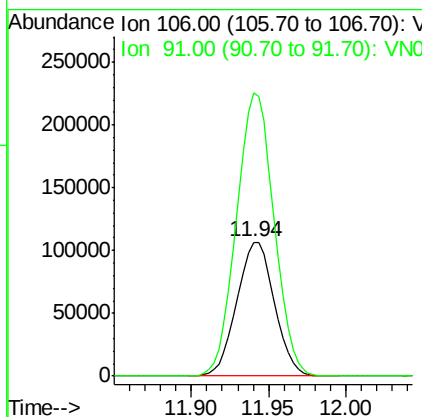
#69
o-Xylene
Concen: 52.079 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	179897		
91	91	212.0	110.3	330.9	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

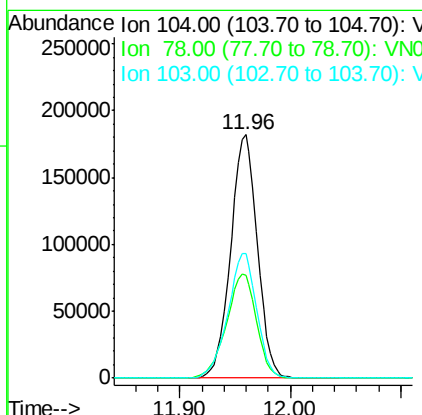
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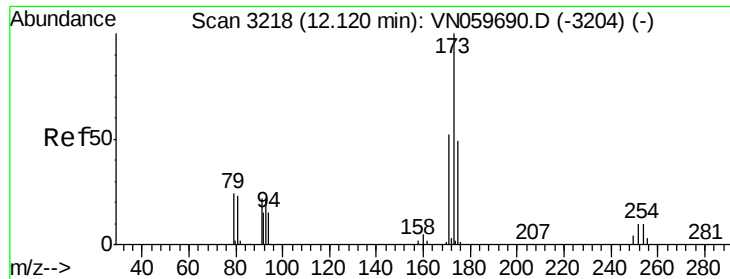
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#70
Styrene
Concen: 52.935 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	305976		
78	78	47.9	42.4	63.6	
103	103	55.2	43.9	65.9	





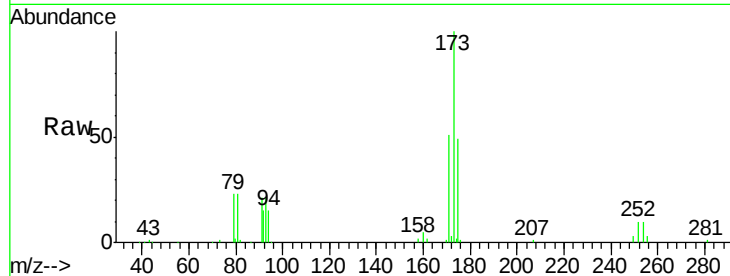
#71
Bromoform
Concen: 55.327 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

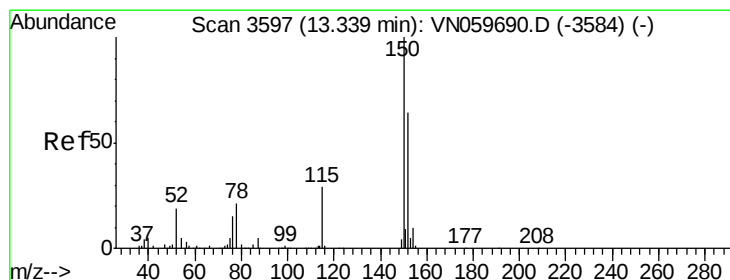
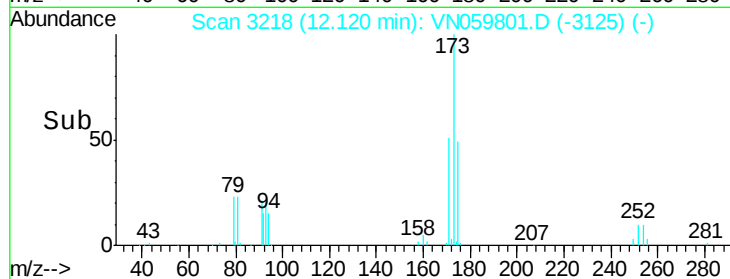
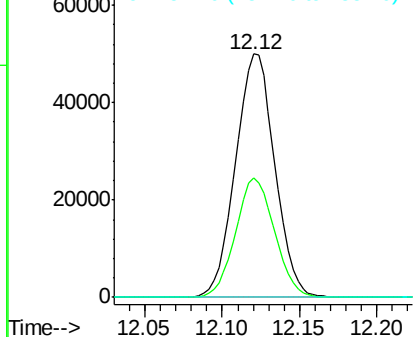
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

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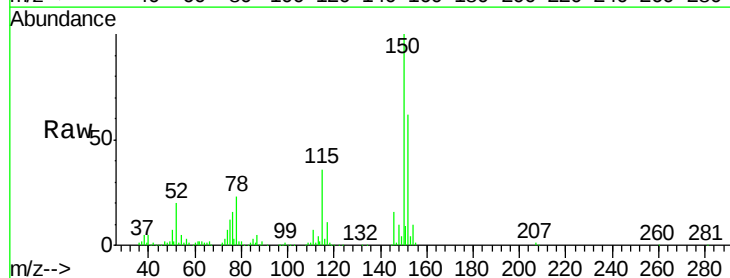


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

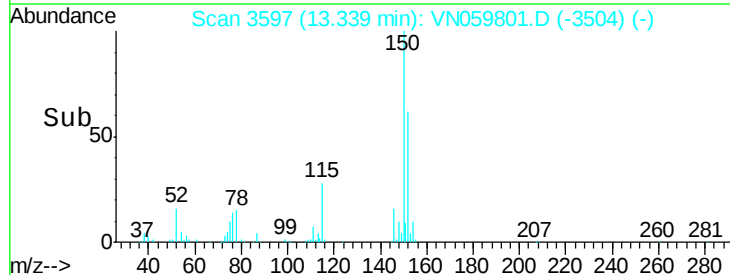
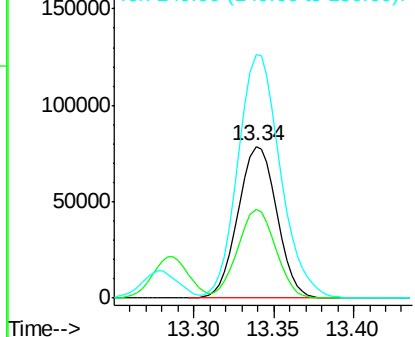


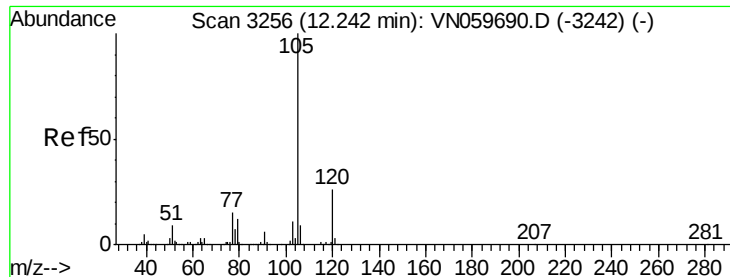
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	30.3	90.9
150	175.7	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: 51.176 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 488959

Ion Ratio Lower Upper

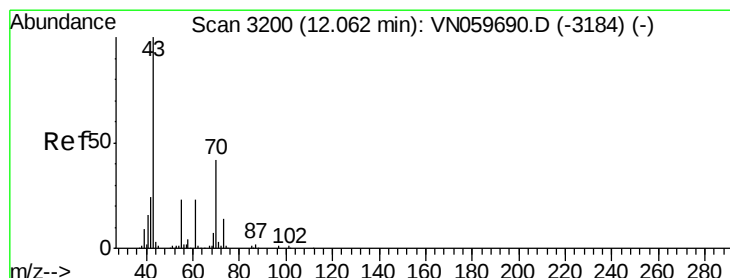
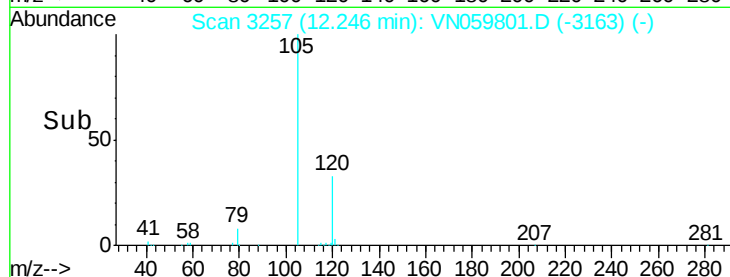
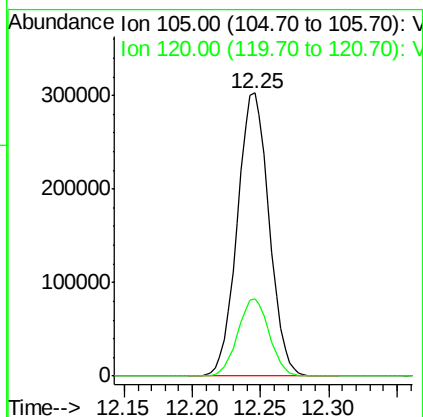
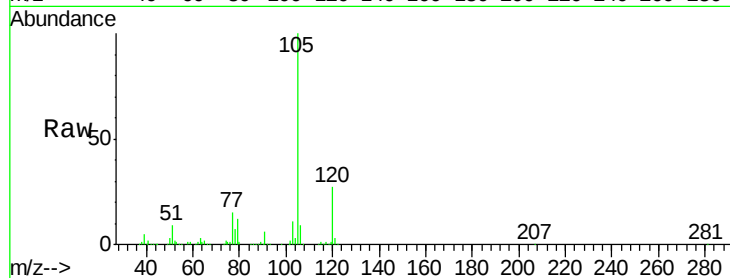
105 100

120 27.1 13.2 39.5

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#74

N-ethyl acetate

Concen: 45.824 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Tgt Ion: 43 Resp: 169890

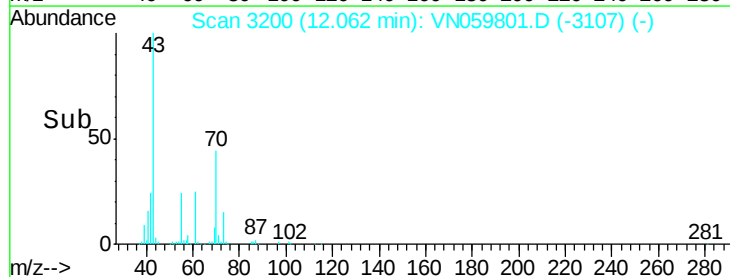
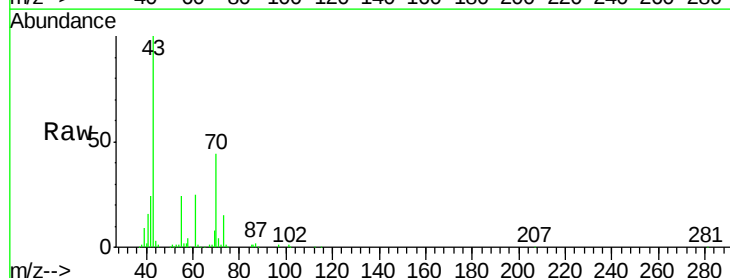
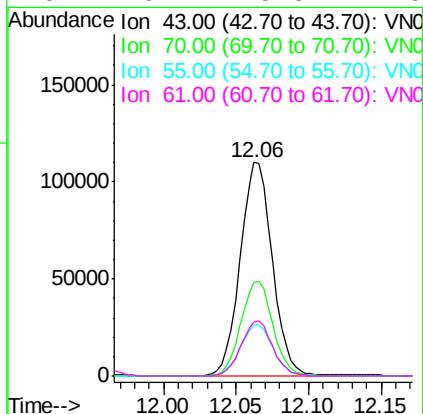
Ion Ratio Lower Upper

43 100

70 44.3 31.3 46.9

55 24.4 19.8 29.6

61 25.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.844 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

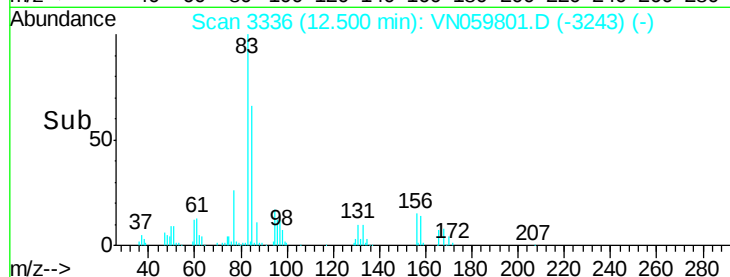
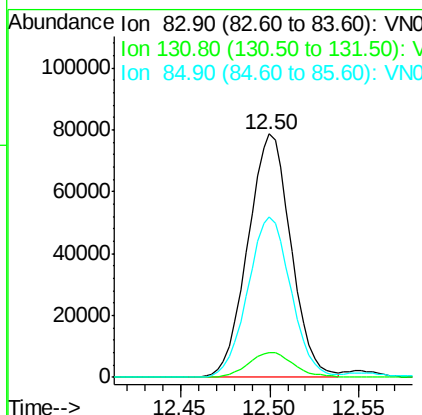
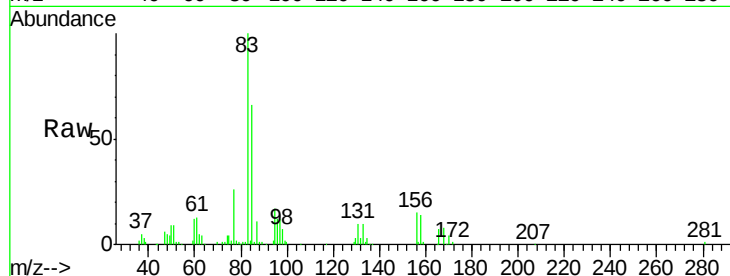
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	132520
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	66.1	31.9	95.5

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1/22/2020 11:14:45 AM



#76

1,2,3-Trichloropropane

Concen: 56.587 ug/l m

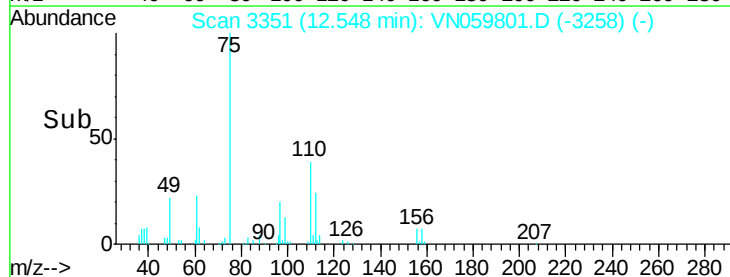
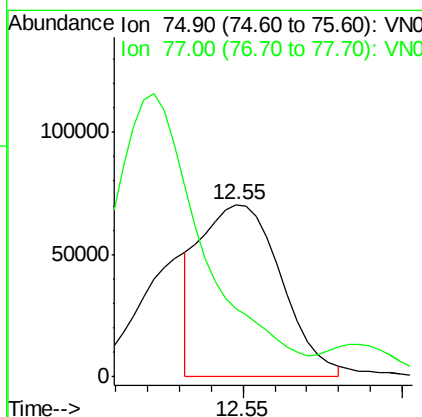
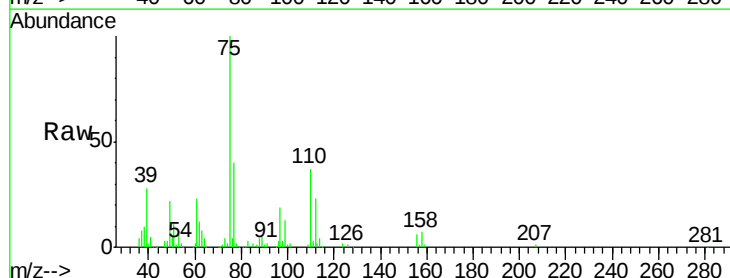
RT: 12.55 min Scan# 3351

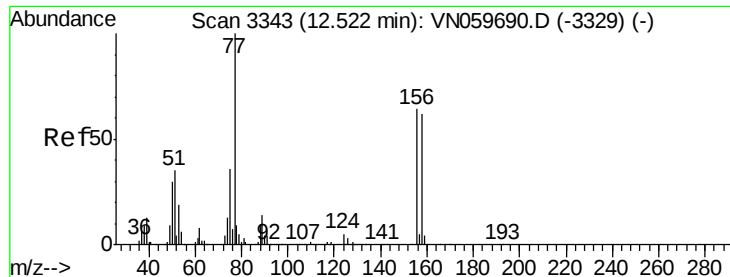
Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Tgt Ion:	75	Resp:	124064
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.711 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 127539

Ion Ratio Lower Upper

156 100

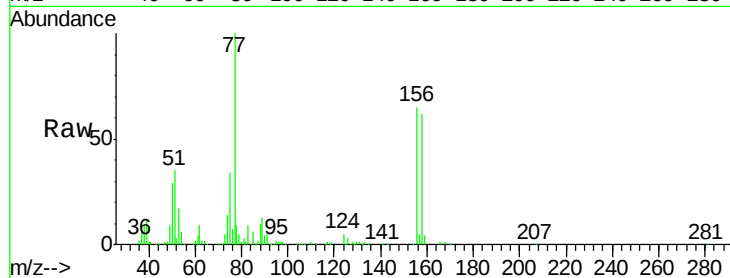
77 183.0 115.8 347.4

158 94.2 49.2 147.6

Manual Integrations
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MMDadoda

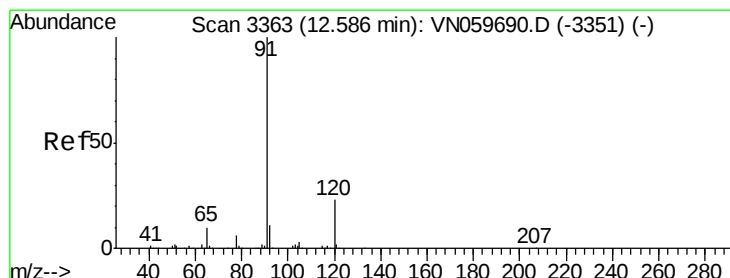
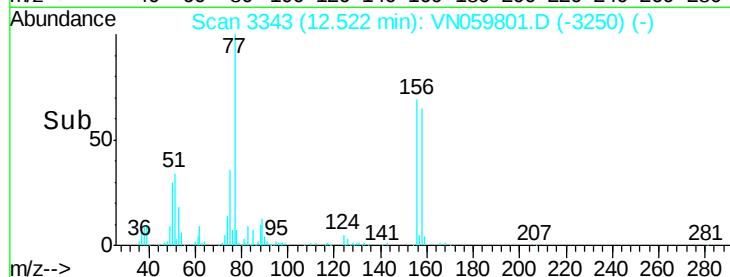
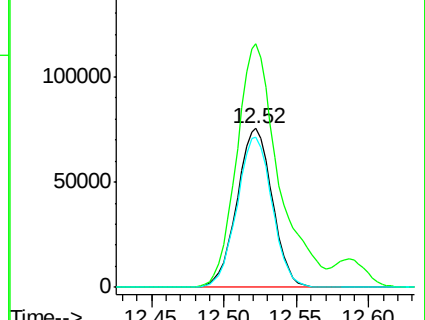
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.724 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059801.D

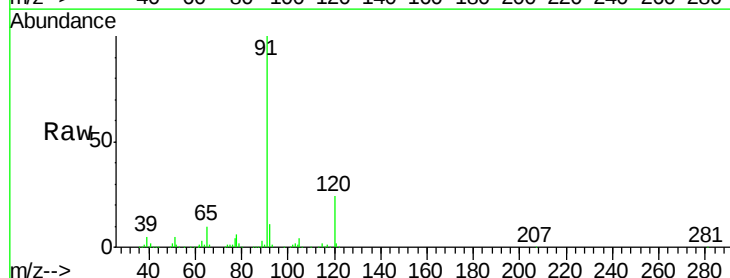
Acq: 21 Jan 2020 9:19

Tgt Ion: 91 Resp: 554686

Ion Ratio Lower Upper

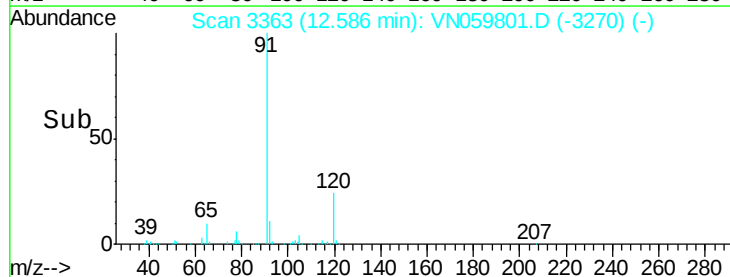
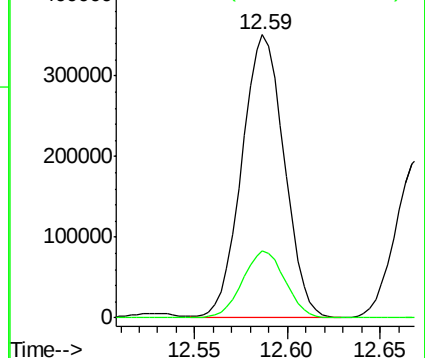
91 100

120 23.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





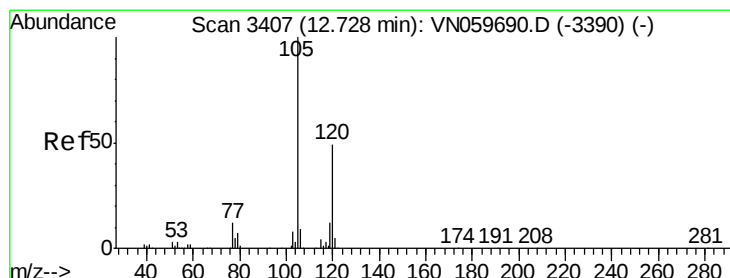
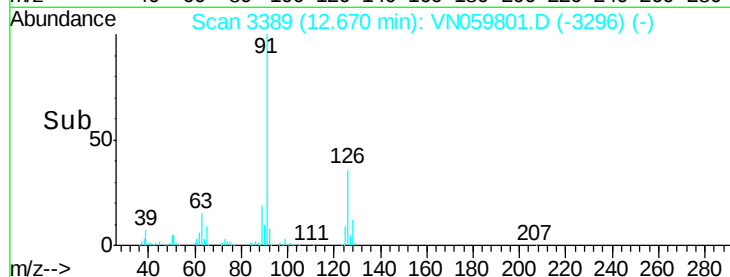
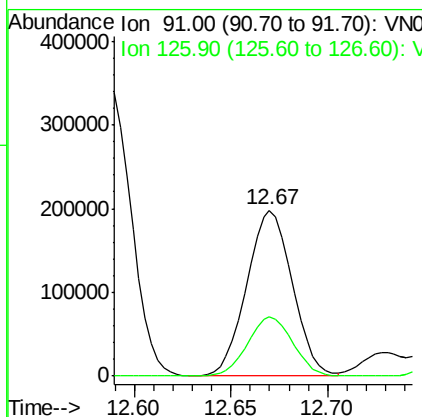
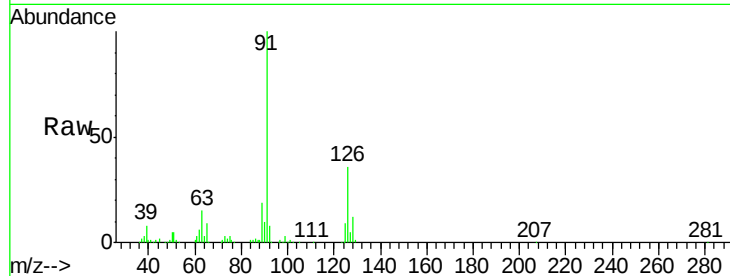
#79
 2-Chlorotoluene
 Concen: 50.643 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 323087
 Ion Ratio Lower Upper
 91 100
 126 35.9 16.3 48.9

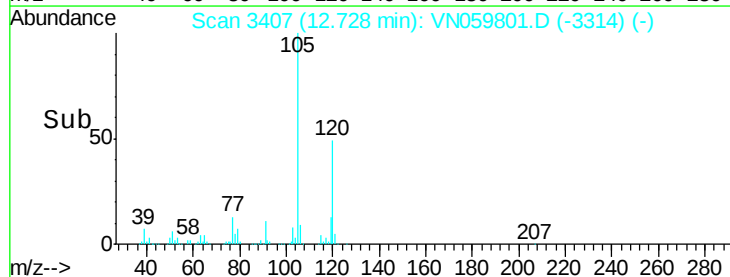
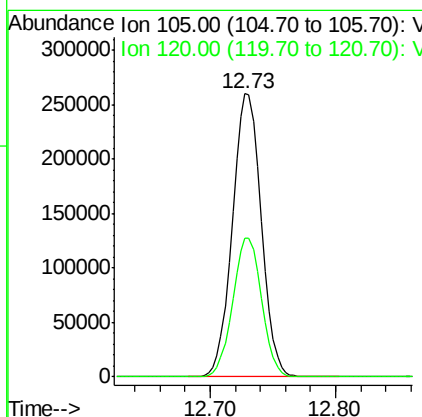
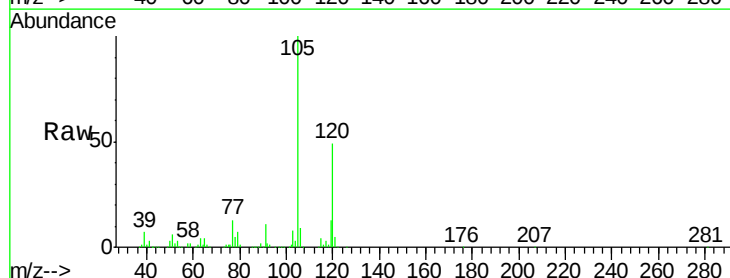
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.694 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion: 105 Resp: 415376
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.4





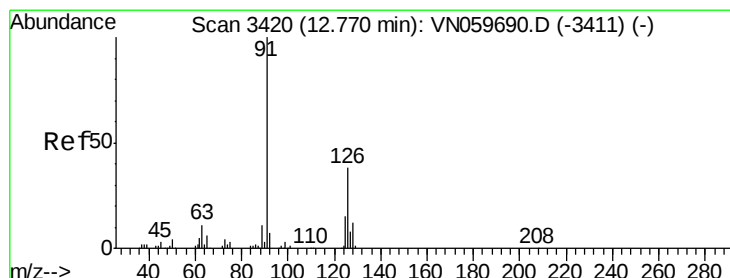
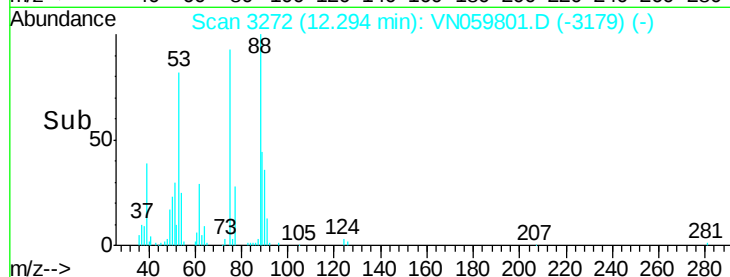
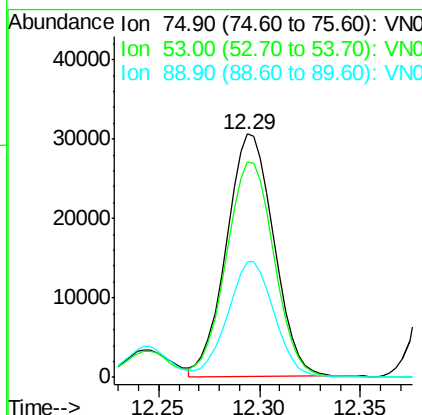
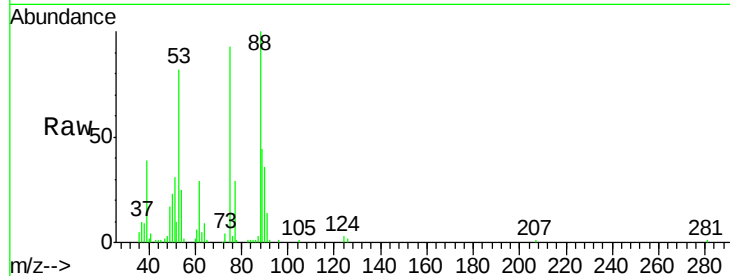
#81
trans-1,4-Dichloro-2-butene
Concen: 49.177 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	78.1	117.1
89	46.7	35.4	53.2

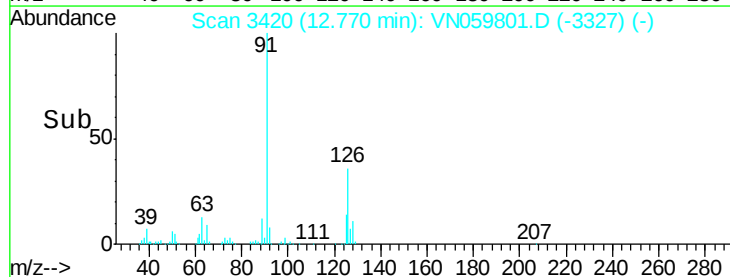
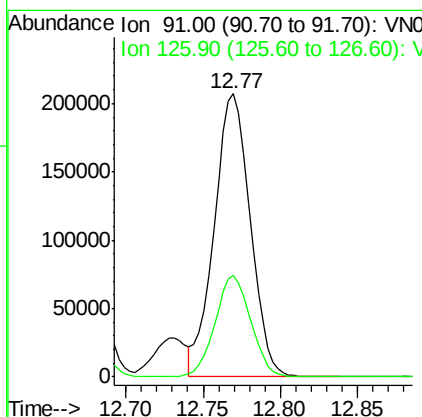
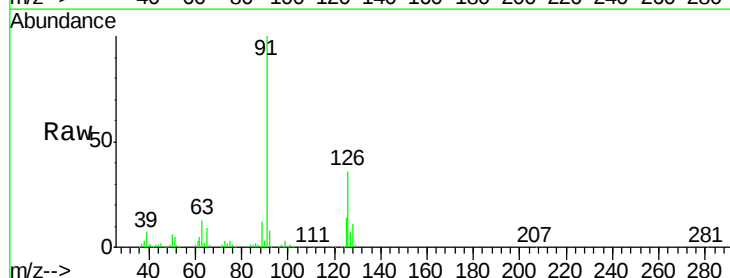
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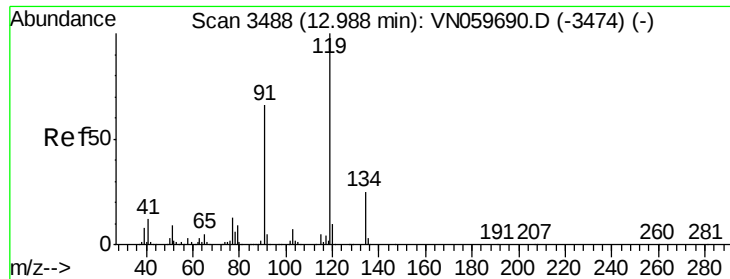
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.187 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.3	48.8





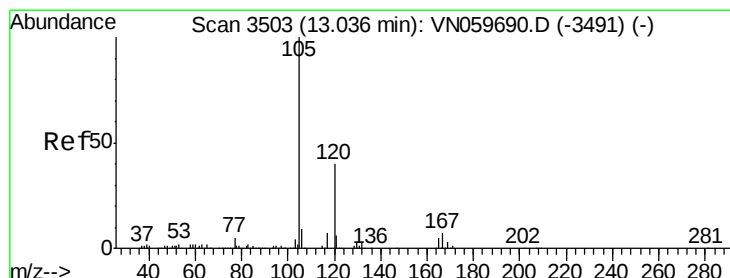
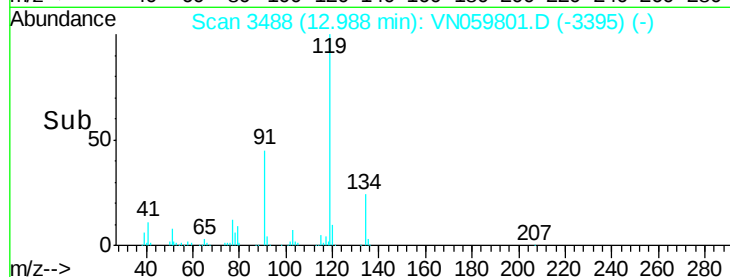
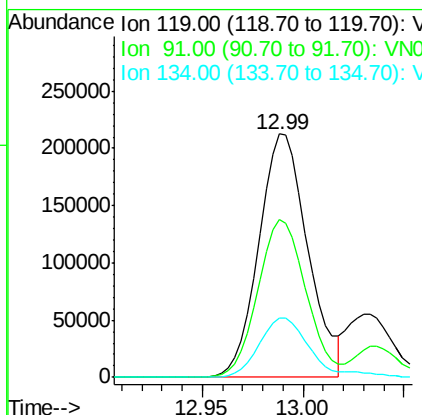
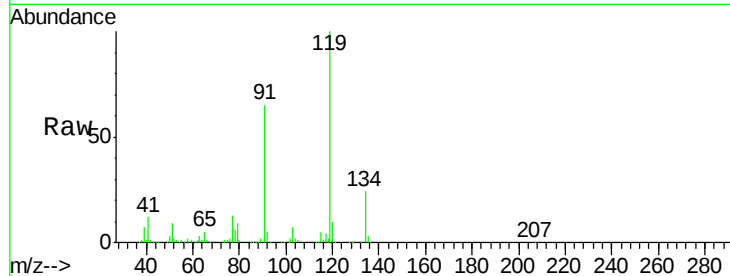
#83
 tert-Butylbenzene
 Concen: 51.818 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	34.8	104.4
134	25.6	12.3	36.9

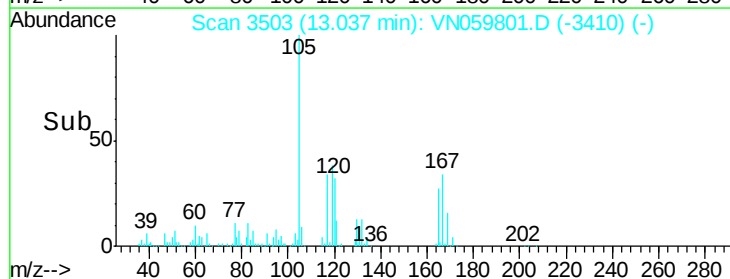
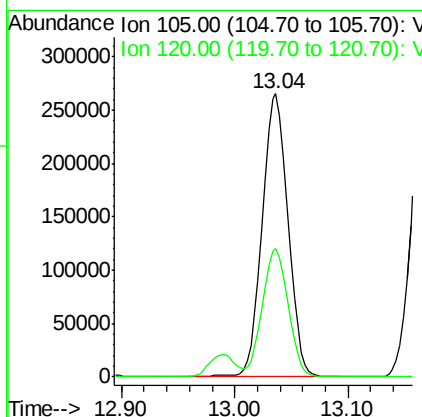
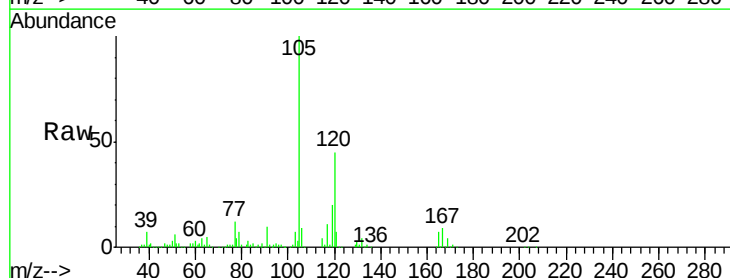
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.853 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.9





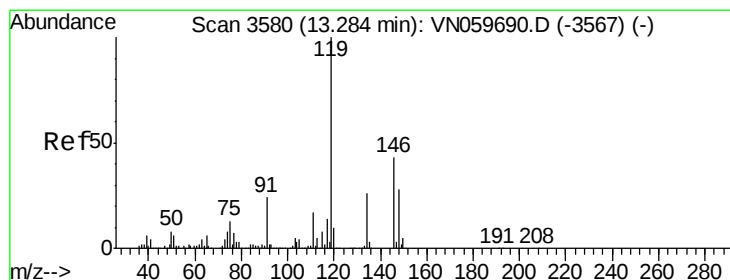
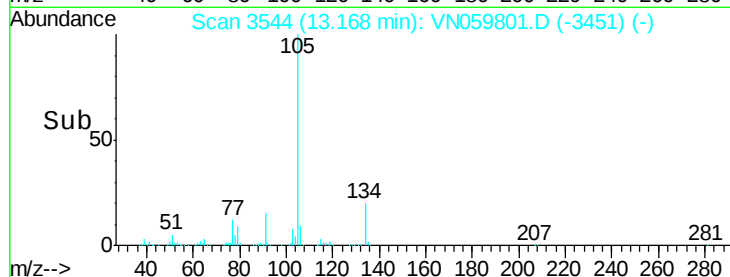
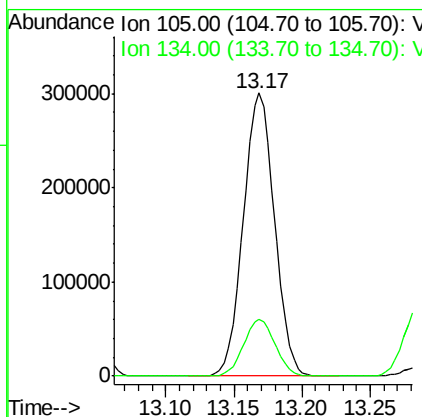
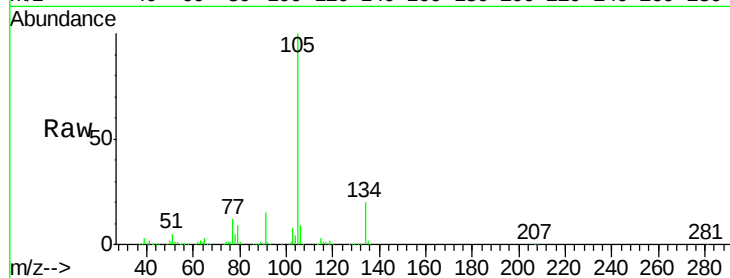
#85
 sec-Butylbenzene
 Concen: 52.239 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.5

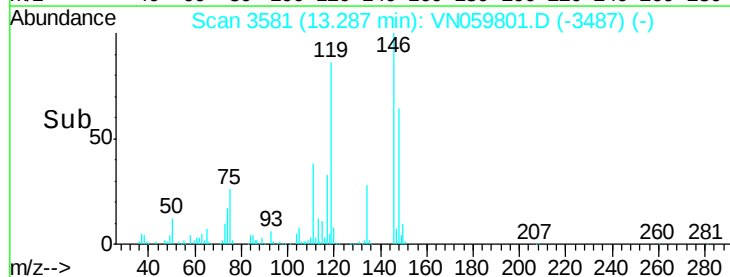
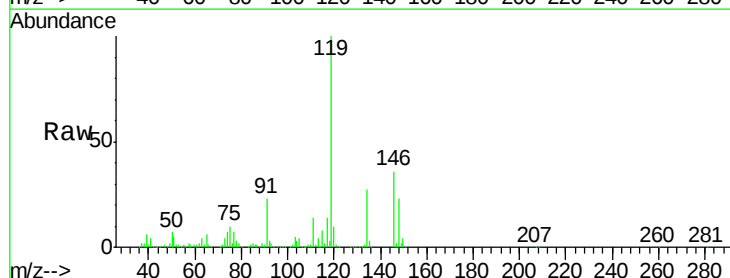
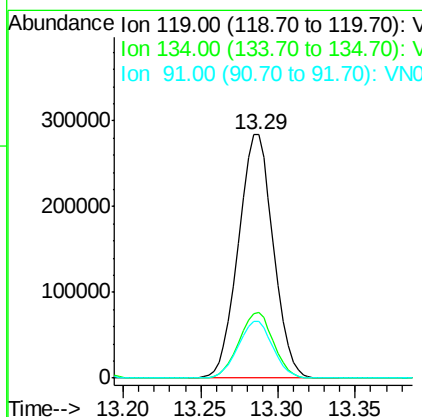
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 1/22/2020 11:14:45 AM



#86
 p-Isopropyltoluene
 Concen: 52.542 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.7
91	23.4	12.4	37.4





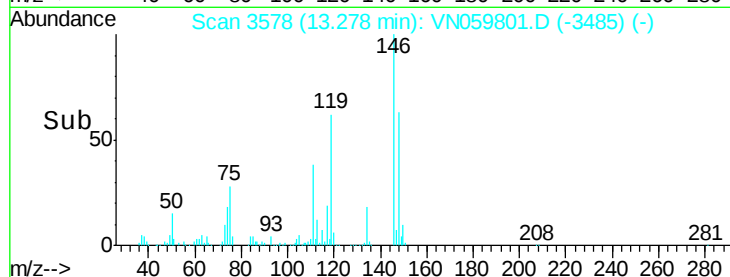
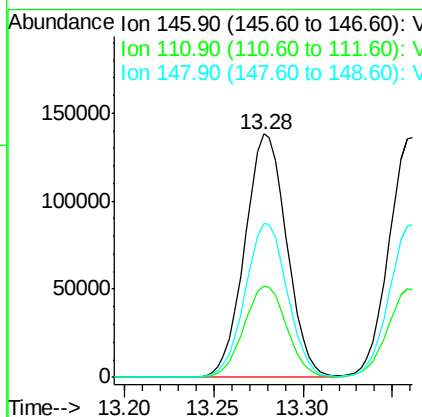
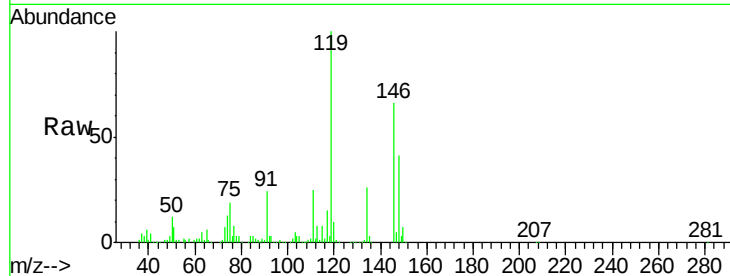
#87
 1,3-Dichlorobenzene
 Concen: 53.892 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	63.8	32.0	96.0

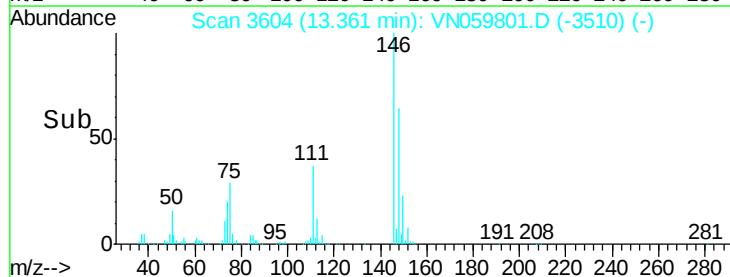
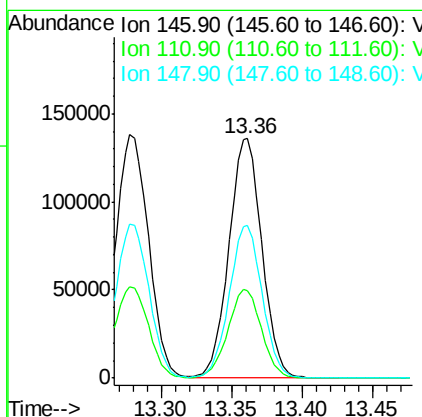
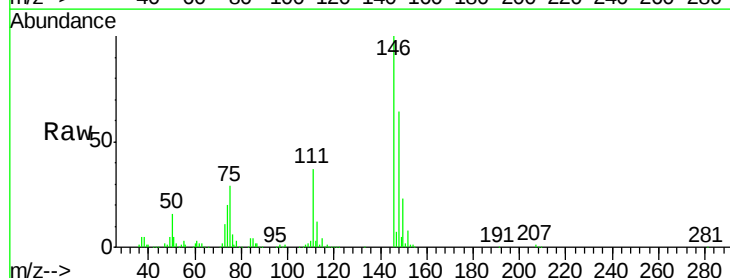
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#88
 1,4-Dichlorobenzene
 Concen: 53.026 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	63.5	31.8	95.4





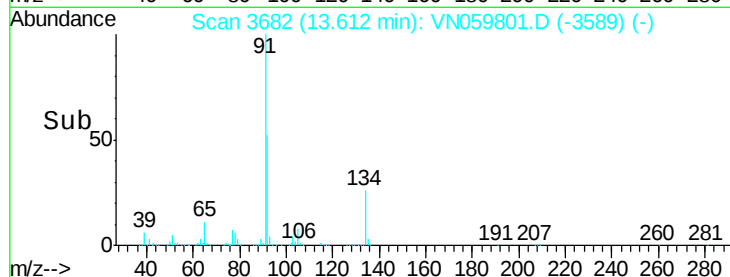
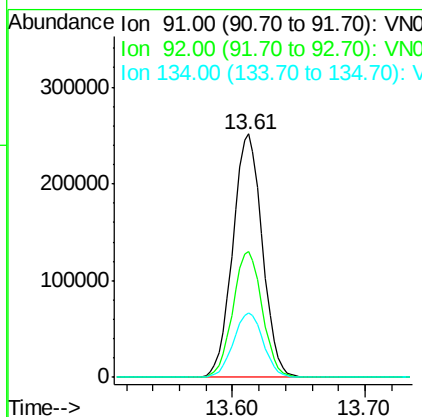
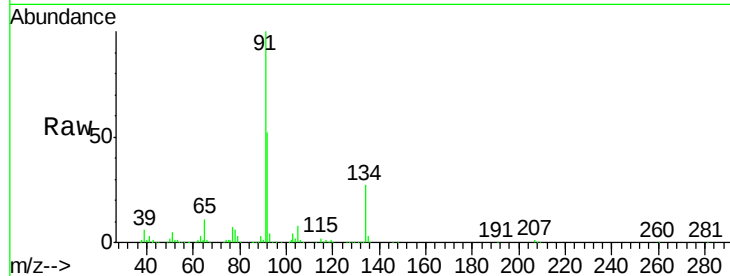
#89
n-Butylbenzene
Concen: 53.887 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	26.8	12.3	36.8

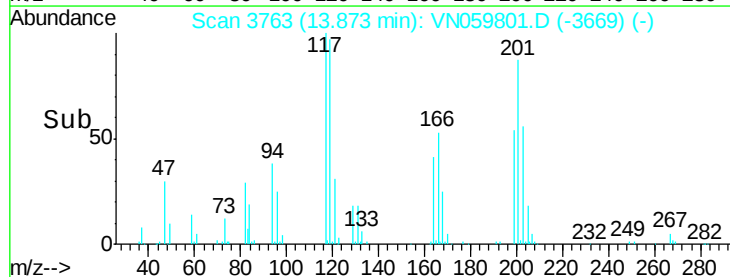
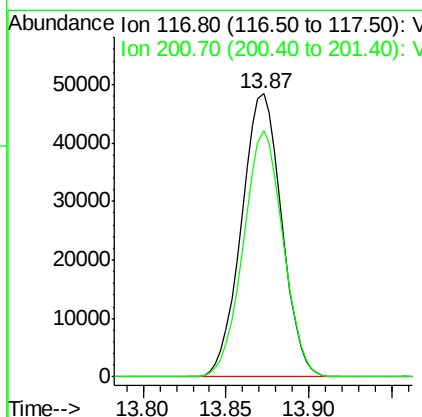
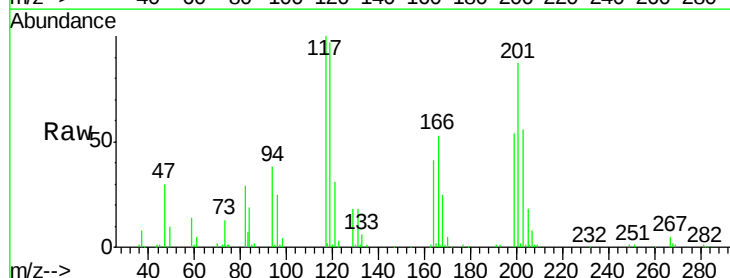
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#90
Hexachloroethane
Concen: 51.616 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 52.971 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Instrument :

MSVOA_N

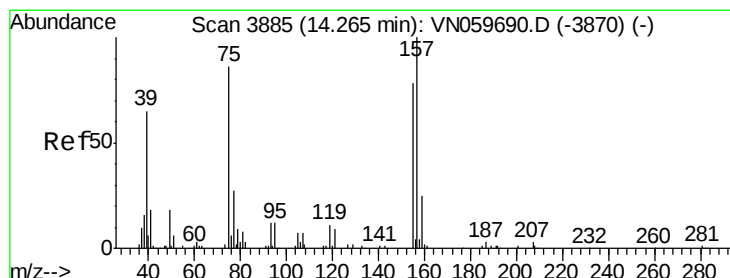
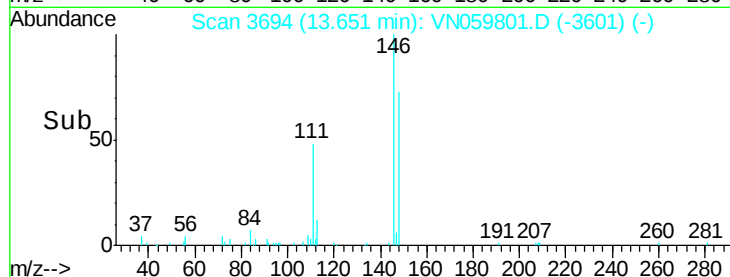
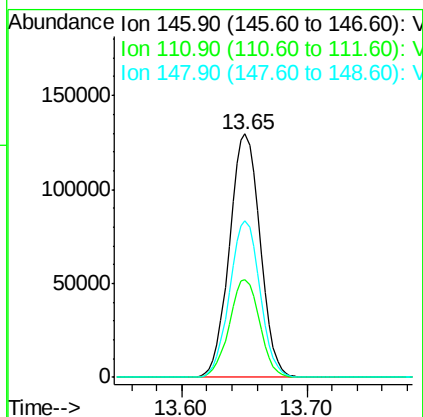
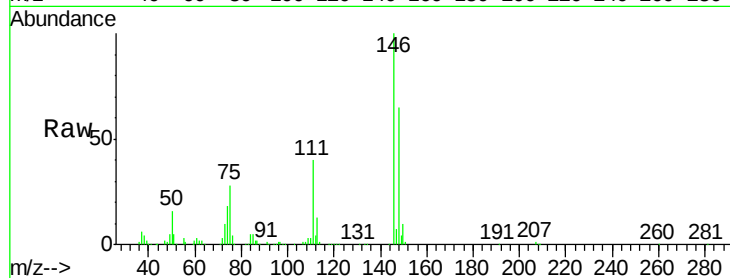
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	220097
Ion Ratio		Lower	Upper
146	100		
111	39.8	21.6	64.8
148	63.6	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.577 ug/l

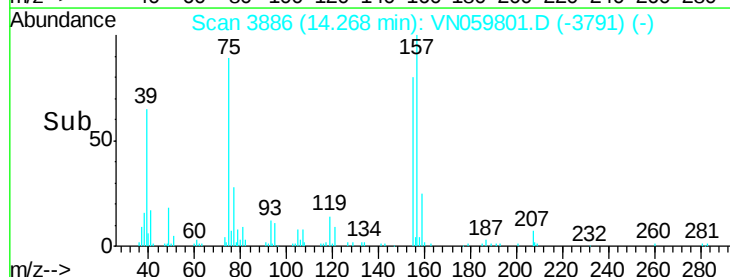
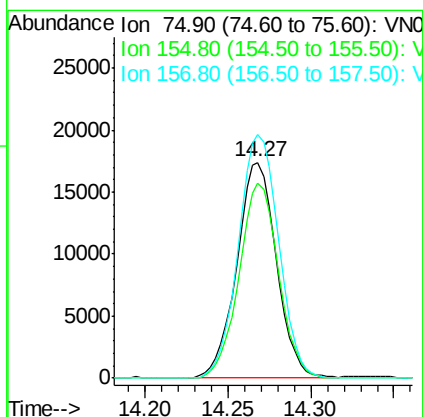
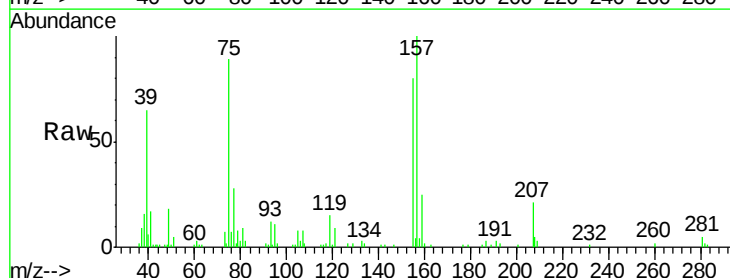
RT: 14.27 min Scan# 3886

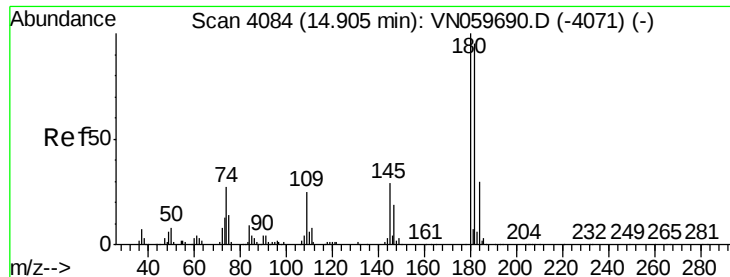
Delta R.T. 0.00 min

Lab File: VN059801.D

Acq: 21 Jan 2020 9:19

Tgt Ion:	75	Resp:	28915
Ion Ratio		Lower	Upper
75	100		
155	89.2	37.0	110.9
157	114.7	48.4	145.2





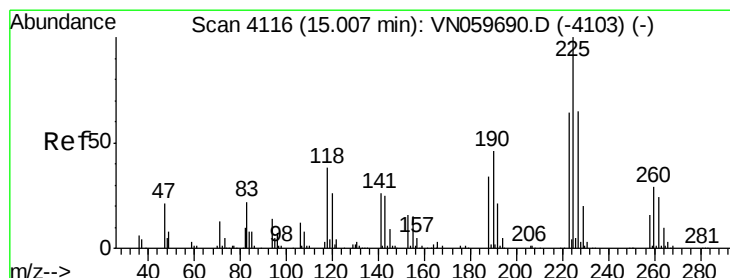
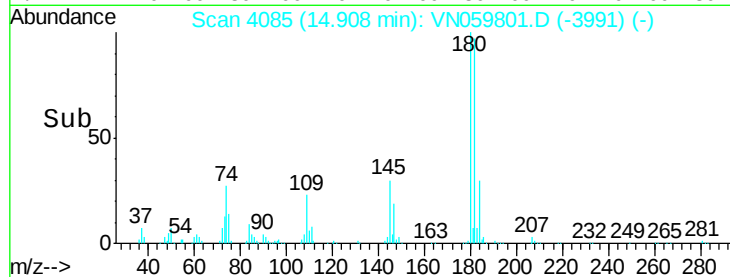
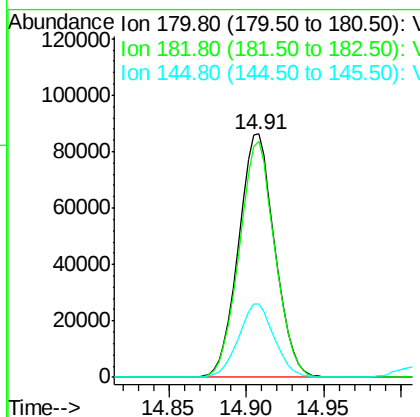
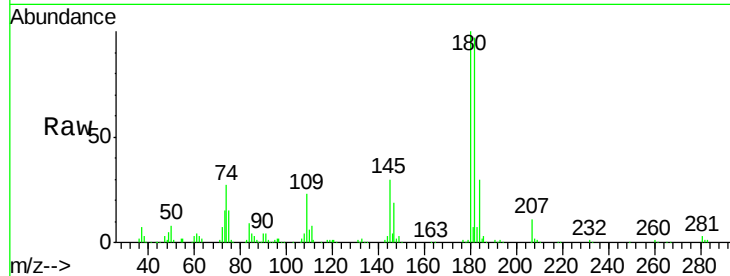
#93
 1,2,4-Trichlorobenzene
 Concen: 56.207 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140332		
182	95.4	46.9	140.7	
145	29.8	15.0	45.1	

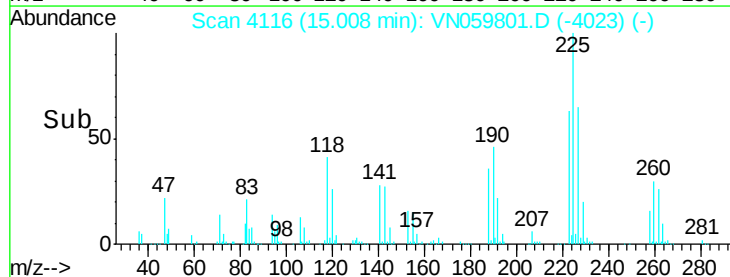
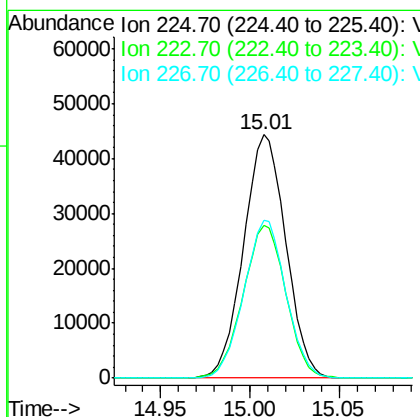
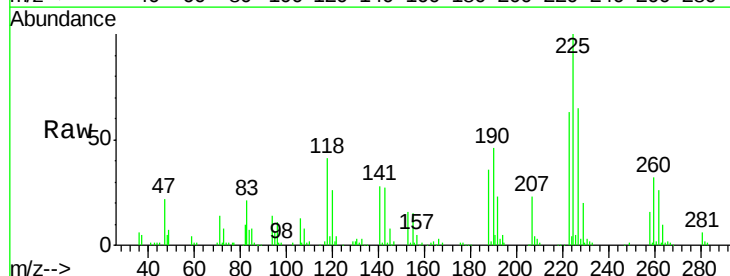
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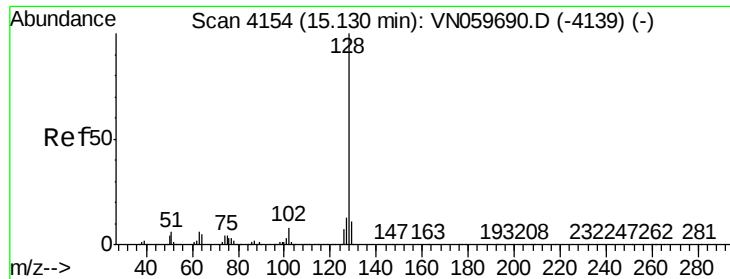
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 1/22/2020 11:14:45 AM



#94
 Hexachlorobutadiene
 Concen: 53.348 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059801.D
 Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73398		
223	63.4	31.8	95.3	
227	64.5	32.1	96.5	





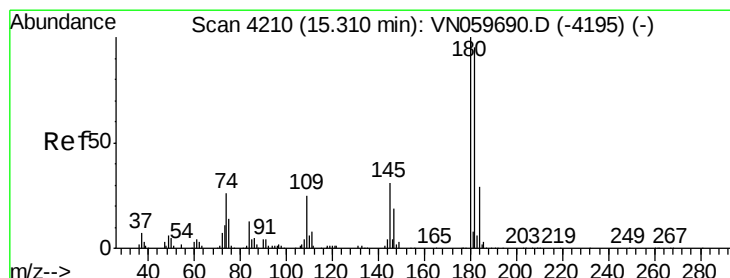
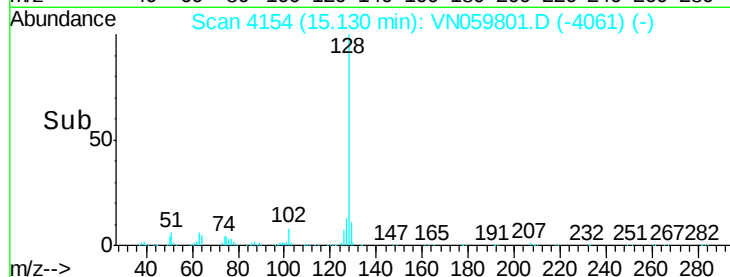
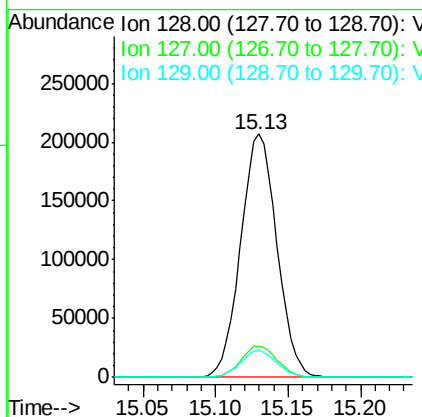
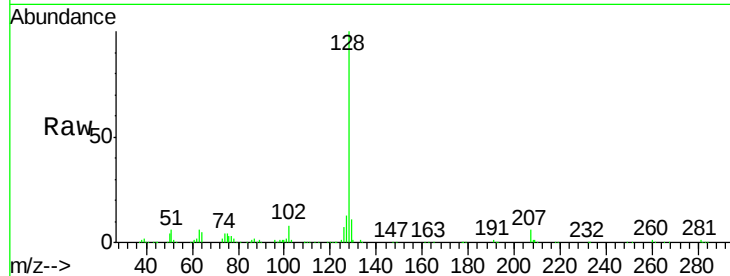
#95
Naphthalene
Concen: 50.599 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.877 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059801.D
Acq: 21 Jan 2020 9:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	31.3	16.3	48.9

