

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059898.D
 Acq On : 28 Jan 2020 17:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 11:04:25 AM

Quant Time: Jan 28 23:04:05 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	197659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112737	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.56	113	95761	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.08	98	351269	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	132845	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	105687	45.302	ug/l	99
3) Chloromethane	2.04	50	99861	44.129	ug/l	99
4) Vinyl Chloride	2.17	62	128102	49.476	ug/l	98
5) Bromomethane	2.53	94	80646	51.038	ug/l	99
6) Chloroethane	2.68	64	62393	50.935	ug/l	97
7) Trichlorofluoromethane	3.00	101	158957	51.120	ug/l	100
8) Diethyl Ether	3.38	74	60464	55.408	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91441	52.837	ug/l	92
10) Methyl Iodide	3.93	142	147535	52.741	ug/l	95
11) Tert butyl alcohol	4.73	59	87089	235.678	ug/l	99
12) 1,1-Dichloroethene	3.72	96	88899	49.160	ug/l	88
13) Acrolein	3.58	56	76826	293.701	ug/l	97
14) Allyl chloride	4.29	41	123793	50.788	ug/l #	88
15) Acrylonitrile	4.94	53	230311	273.231	ug/l	99
16) Acetone	3.78	43	229563	308.990	ug/l	96
17) Carbon Disulfide	4.03	76	217695	42.259	ug/l	99
18) Methyl Acetate	4.28	43	139222	54.299	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	329774	55.931	ug/l	95
20) Methylene Chloride	4.52	84	104628	52.756	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	95577	49.721	ug/l	88
22) Diisopropyl ether	5.91	45	293717	53.173	ug/l #	94
23) Vinyl Acetate	5.86	43	1153706	269.763	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	174715	51.765	ug/l	98
25) 2-Butanone	6.80	43	311778	250.818	ug/l	91
26) 2,2-Dichloropropane	6.80	77	164996	50.849	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	116564	52.721	ug/l	88
28) Bromochloromethane	7.17	49	68511	50.787	ug/l #	70
29) Tetrahydrofuran	7.18	42	191386	248.845	ug/l #	86
30) Chloroform	7.35	83	191091	54.643	ug/l	98
31) Cyclohexane	7.63	56	139647	42.998	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	169764	52.503	ug/l	95
36) 1,1-Dichloropropene	7.77	75	130958	48.435	ug/l	95
37) Ethyl Acetate	6.90	43	127341	50.215	ug/l #	96
38) Carbon Tetrachloride	7.75	117	151380	51.470	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	148896	44.662	ug/l	90
40) Benzene	8.02	78	403021	49.980	ug/l	100
41) Methacrylonitrile	7.14	41	53414m	42.763	ug/l	
42) 1,2-Dichloroethane	8.10	62	149217	54.578	ug/l	96
43) Isopropyl Acetate	8.14	43	225974	51.807	ug/l #	95
44) Trichloroethene	8.82	130	120463	54.724	ug/l	90
45) 1,2-Dichloropropane	9.10	63	105204	52.725	ug/l	99
46) Dibromomethane	9.19	93	77030	54.727	ug/l #	90
47) Bromodichloromethane	9.39	83	157113	55.391	ug/l	99
48) Methyl methacrylate	9.18	41	101000	51.767	ug/l	91
49) 1,4-Dioxane	9.18	88	36735	1028.511	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	646973	256.587	ug/l	94
52) Toluene	10.14	92	263306	51.696	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	176310	55.669	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	185137	55.557	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	112548	55.792	ug/l	95
56) Ethyl methacrylate	10.42	69	165185	53.590	ug/l	91
57) 1,3-Dichloropropane	10.70	76	178360	55.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	318948	343.536	ug/l #	90
59) 2-Hexanone	10.74	43	474858	255.634	ug/l	93
60) Dibromochloromethane	10.89	129	131673	57.319	ug/l	98
61) 1,2-Dibromoethane	10.99	107	118126	55.869	ug/l	100
64) Tetrachloroethene	10.62	164	119262	51.046	ug/l	95
65) Chlorobenzene	11.43	112	299498	53.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	119548	54.909	ug/l	99
67) Ethyl Benzene	11.50	91	521478	50.983	ug/l	97
68) m/p-Xylenes	11.62	106	396205	102.544	ug/l	94
69) o-Xylene	11.94	106	194522	51.425	ug/l	95
70) Styrene	11.96	104	334455	52.839	ug/l	97
71) Bromoform	12.12	173	102861	58.981	ug/l #	99
73) Isopropylbenzene	12.25	105	516248	49.631	ug/l	98
74) N-amyl acetate	12.06	43	200642	49.711	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	155821	51.674	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	143839m	60.263	ug/l	
77) Bromobenzene	12.52	156	146439	55.593	ug/l	76
78) n-propylbenzene	12.59	91	580494	49.721	ug/l	97
79) 2-Chlorotoluene	12.67	91	347459	50.027	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	432105	49.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57624	51.846	ug/l	93
82) 4-Chlorotoluene	12.77	91	359075	51.544	ug/l	95
83) tert-Butylbenzene	12.99	119	363554	48.052	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	436616	50.450	ug/l	98
85) sec-Butylbenzene	13.17	105	475921	47.878	ug/l	98
86) p-Isopropyltoluene	13.28	119	443960	48.268	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	243122	53.134	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	242402	53.104	ug/l	97
89) n-Butylbenzene	13.61	91	381457	48.641	ug/l	98
90) Hexachloroethane	13.87	117	84188	48.921	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	241127	53.306	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33020	51.062	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143302	52.722	ug/l	99
94) Hexachlorobutadiene	15.01	225	66345	44.294	ug/l	99
95) Naphthalene	15.13	128	417119	53.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137605	52.011	ug/l	99

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

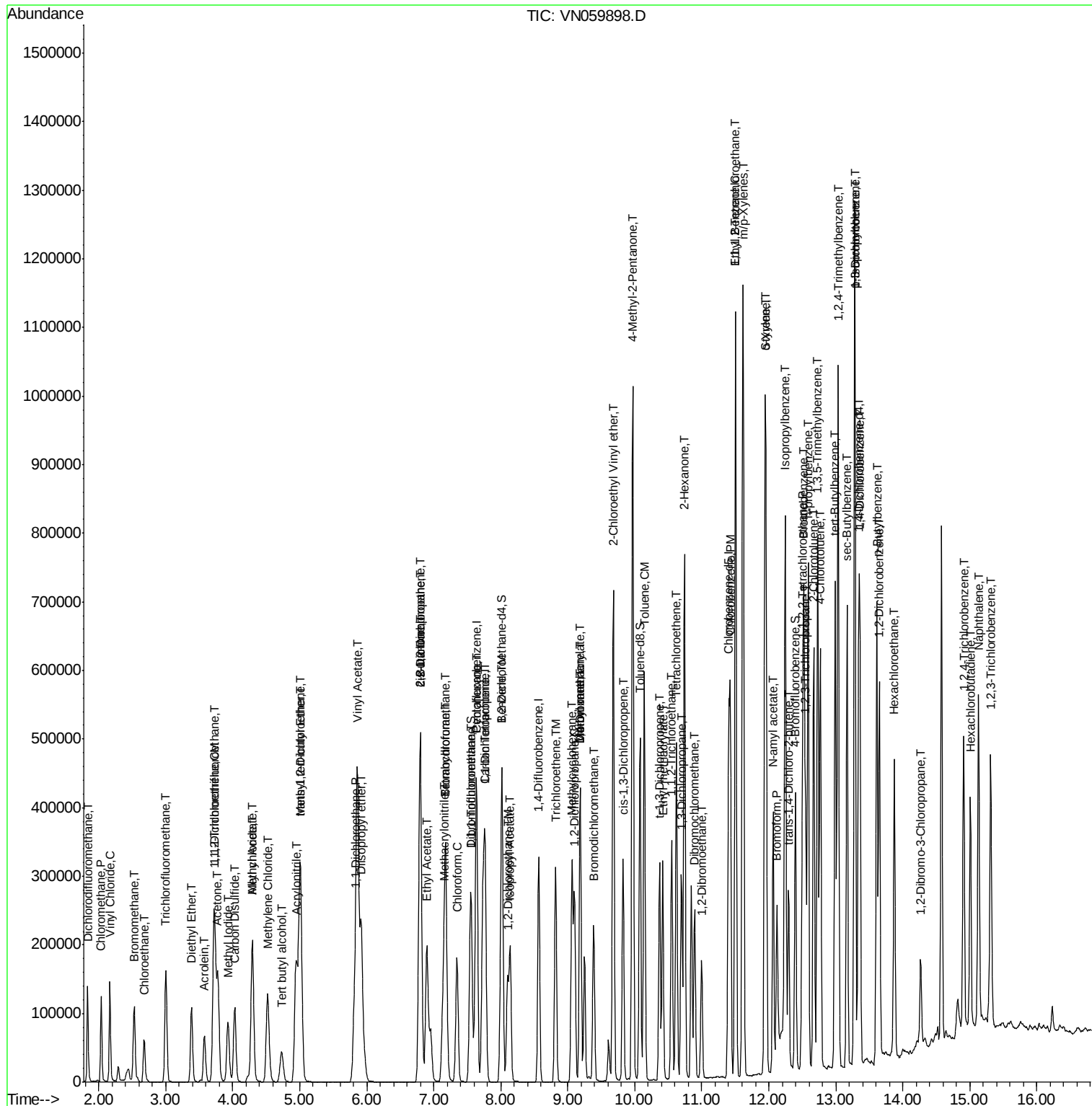
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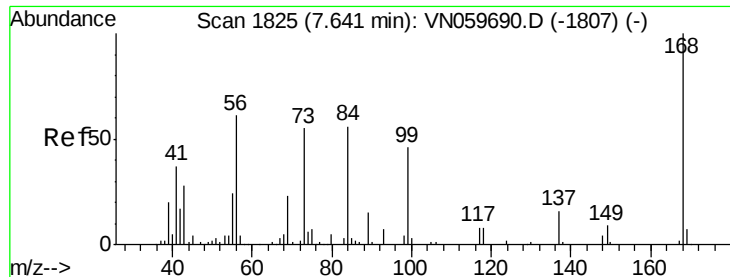
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197659

Ion Ratio Lower Upper

168 100

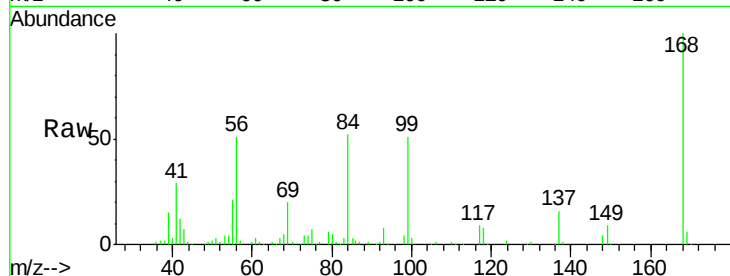
99 51.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

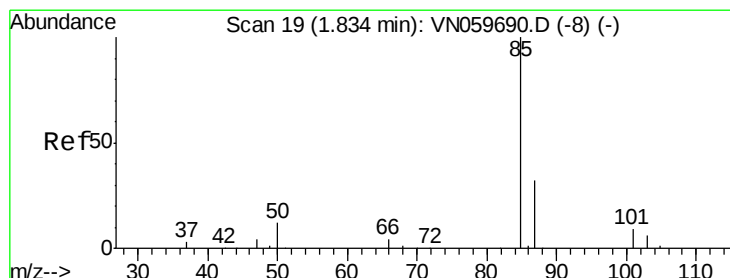
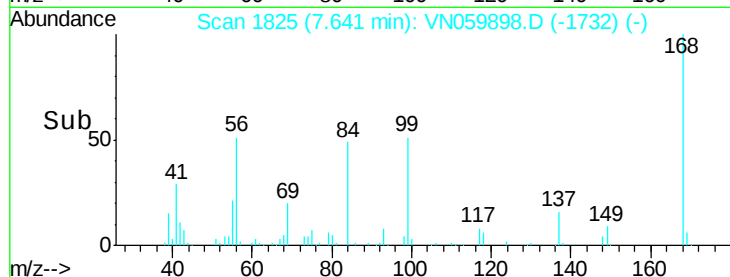
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.302 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059898.D

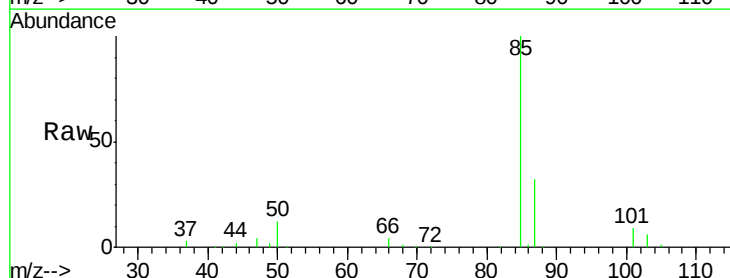
Acq: 28 Jan 2020 17:42

Tgt Ion: 85 Resp: 105687

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

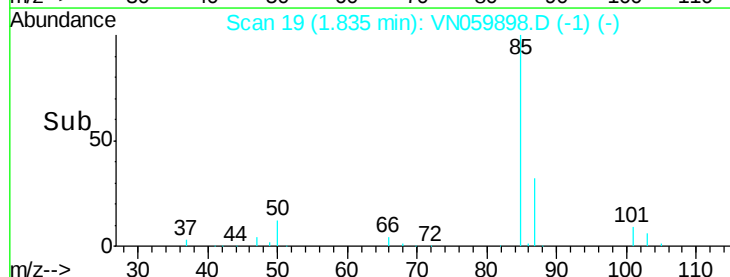
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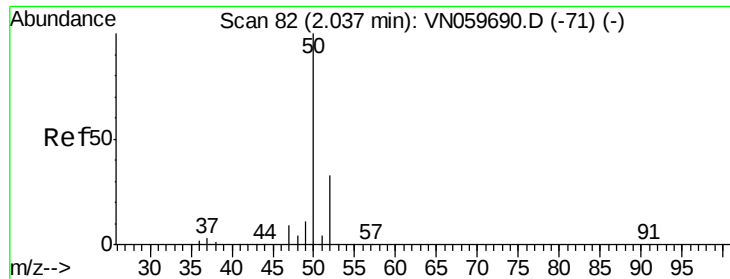
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0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.129 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 99861

Ion Ratio Lower Upper

50 100

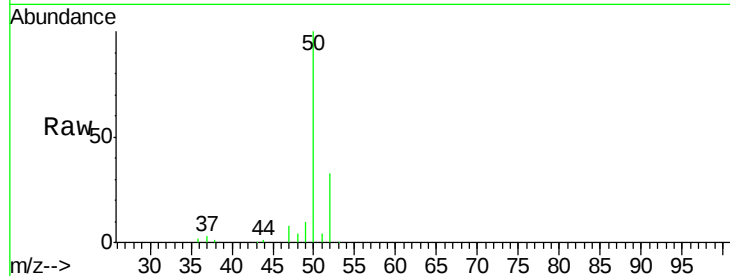
52 33.2 25.9 38.9

Manual Integrations

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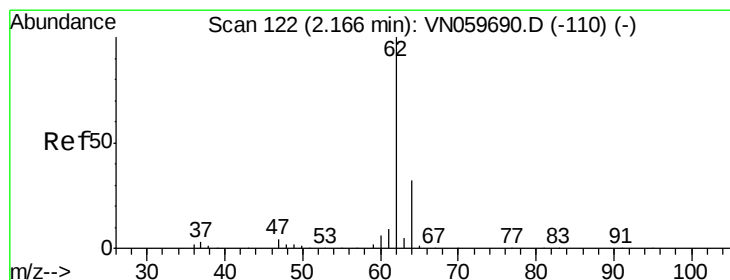
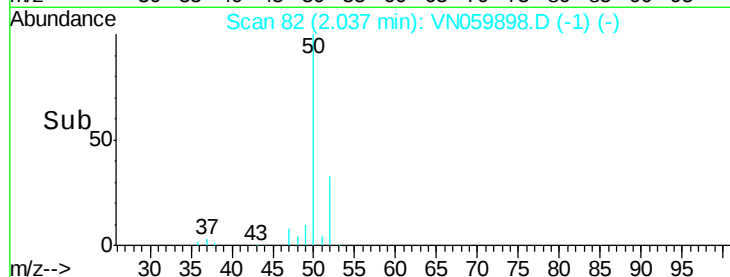
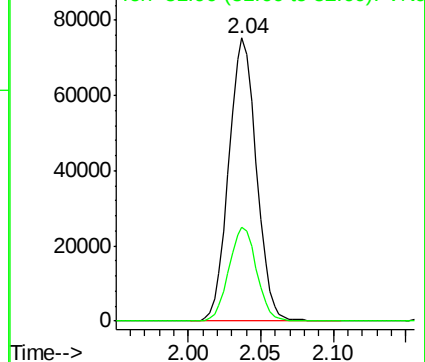
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.476 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059898.D

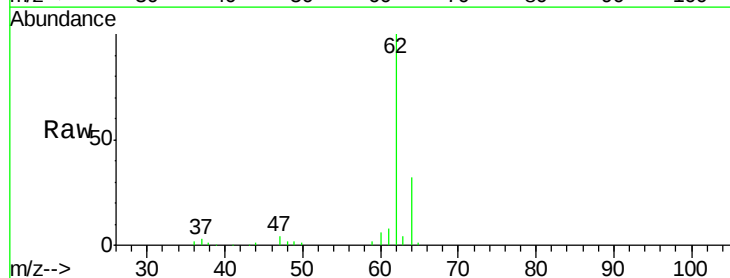
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Tgt Ion: 62 Resp: 128102

Ion Ratio Lower Upper

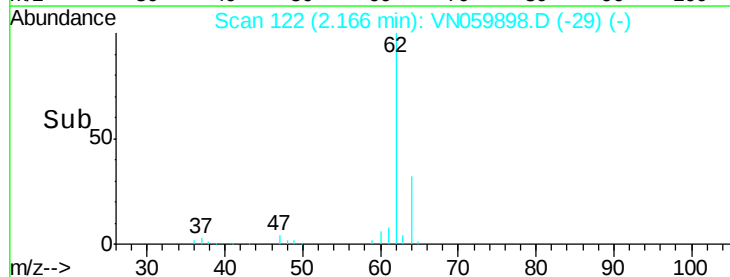
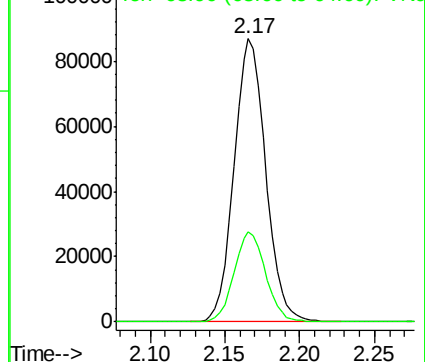
62 100

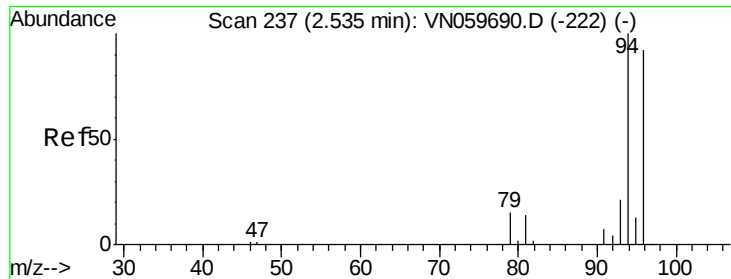
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.038 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

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Tot Ion: 94 Resp: 80646

Ion Ratio Lower Upper

94 100

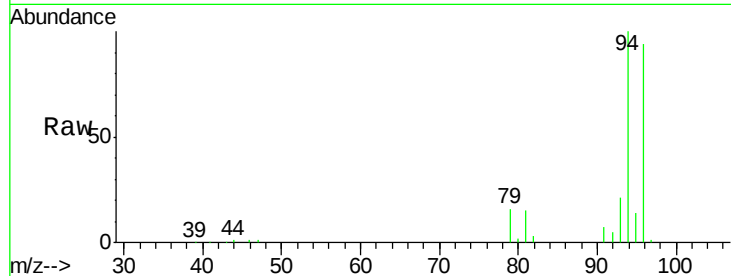
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Manual Integrations

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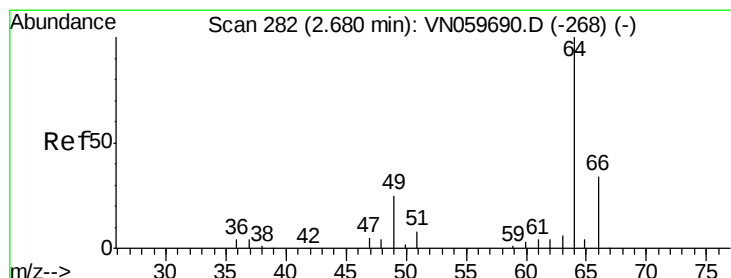
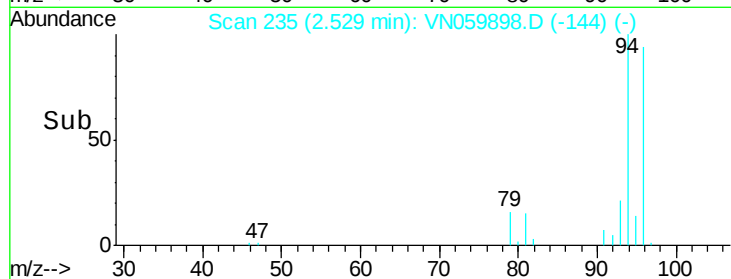
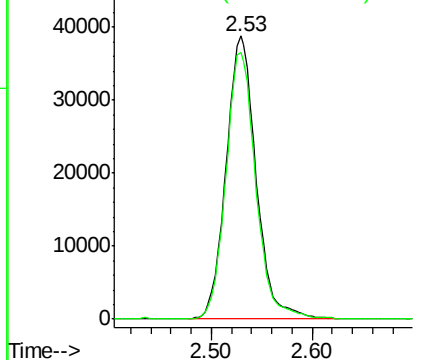
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.935 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059898.D

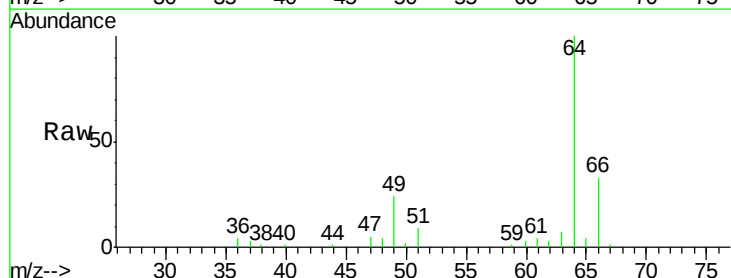
Acq: 28 Jan 2020 17:42

Tgt Ion: 64 Resp: 62393

Ion Ratio Lower Upper

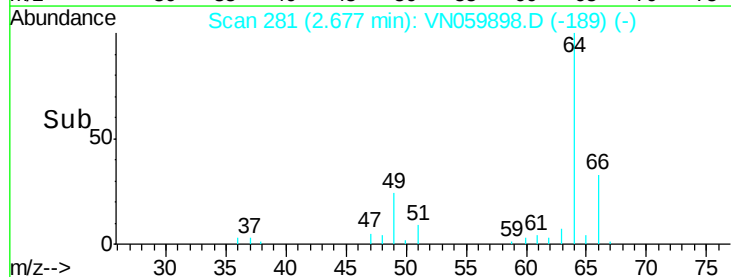
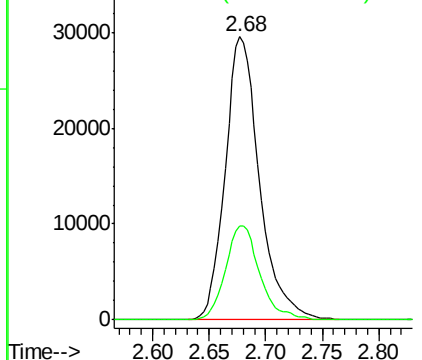
64 100

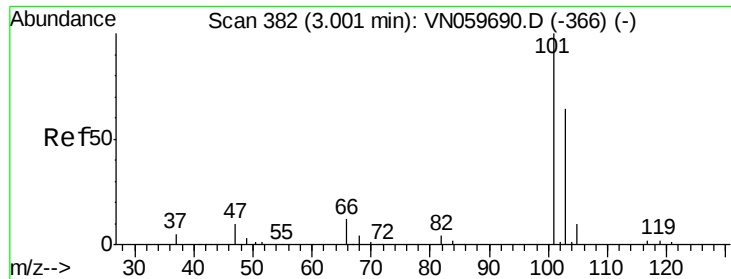
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

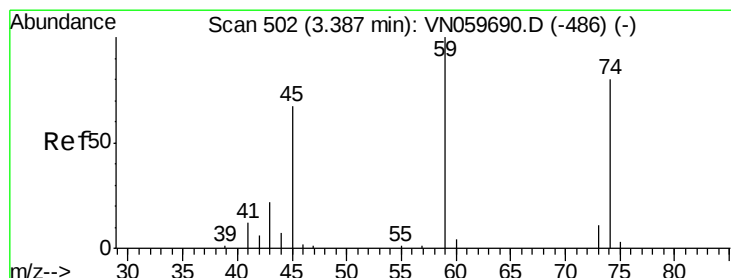
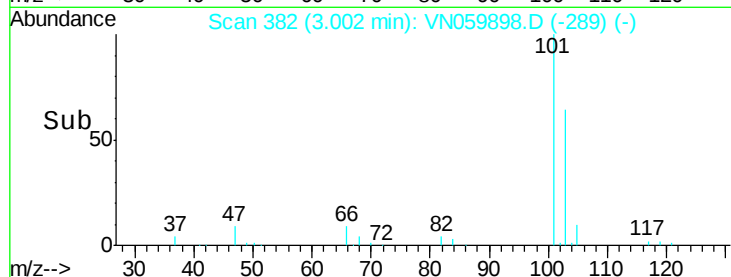
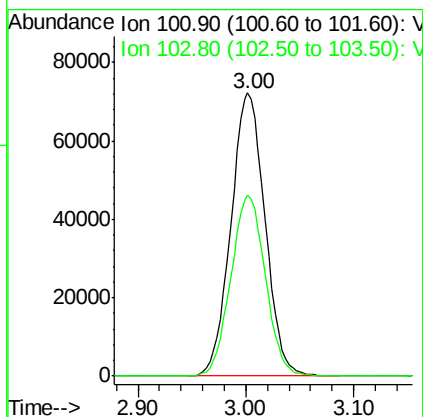
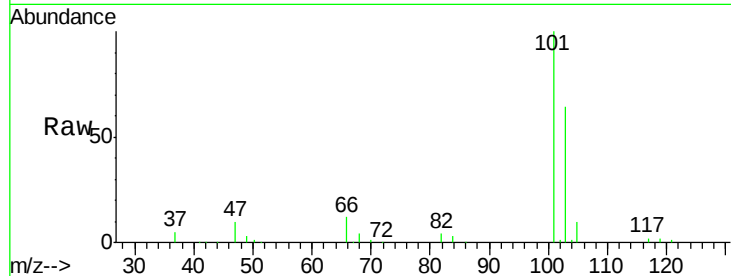
Trichlorofluoromethane
Concen: 51.120 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059898.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		158957		
103	64.0	51.0	76.6		

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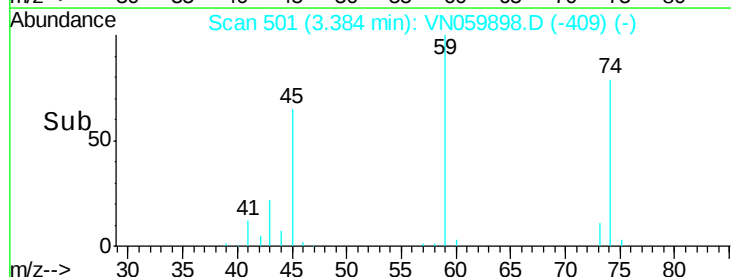
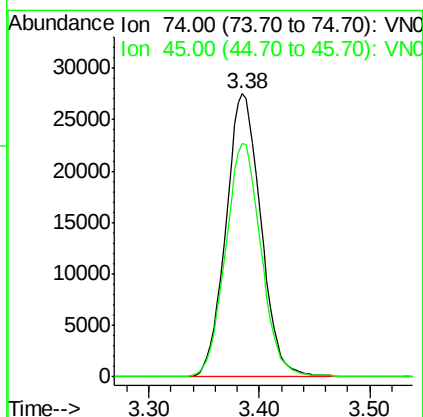
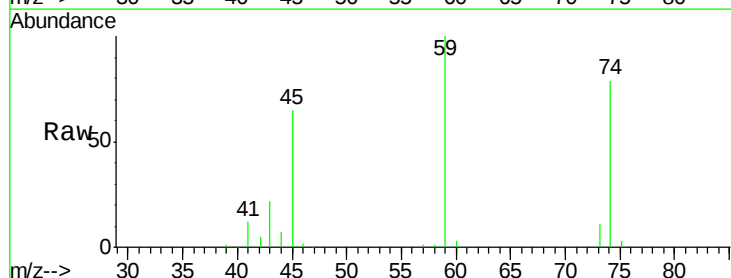
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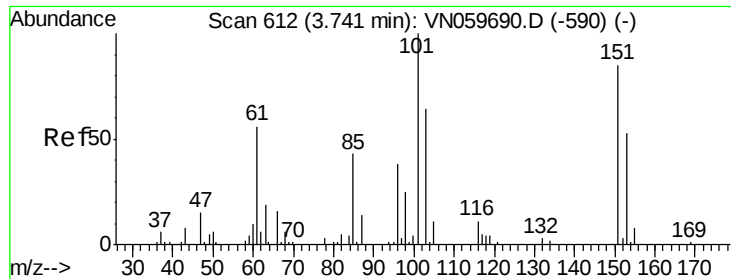


#8

Diethyl Ether
Concen: 55.408 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60464		
45	83.6	51.9	155.8		





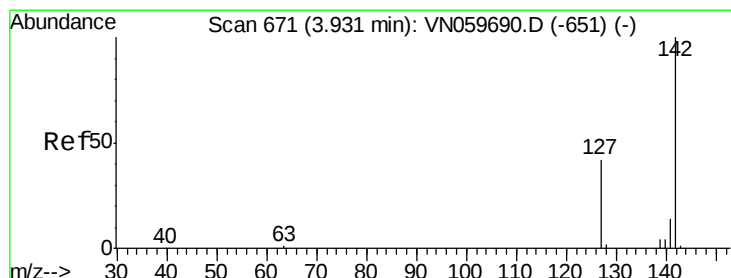
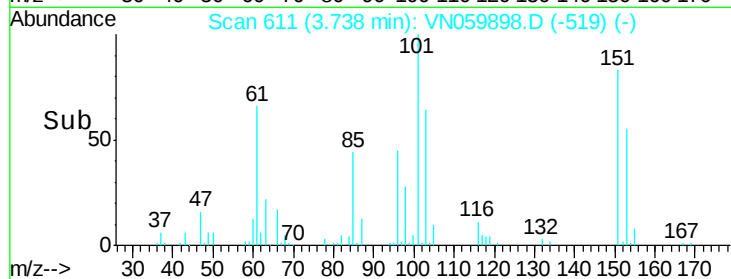
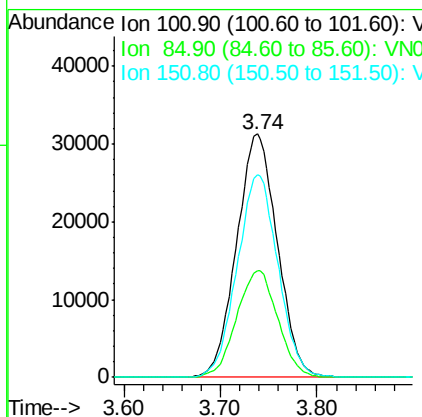
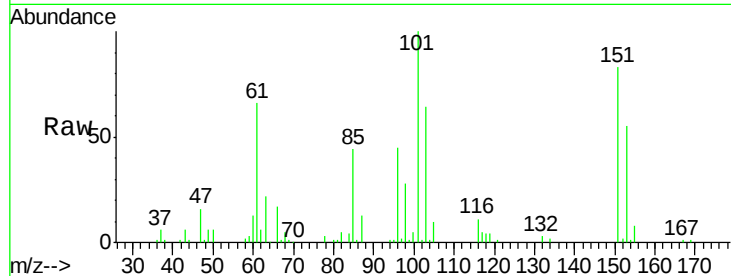
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.837 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.6	54.8
151	83.6	59.7	89.5

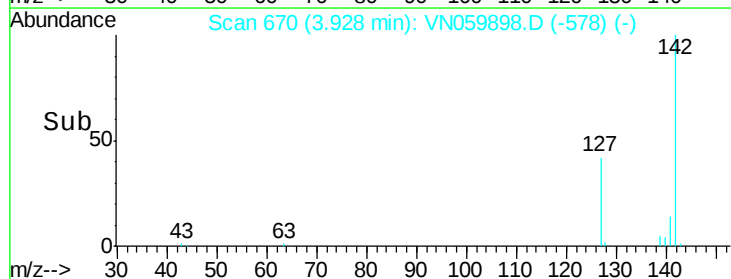
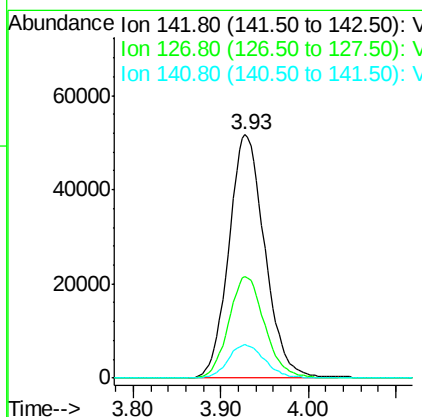
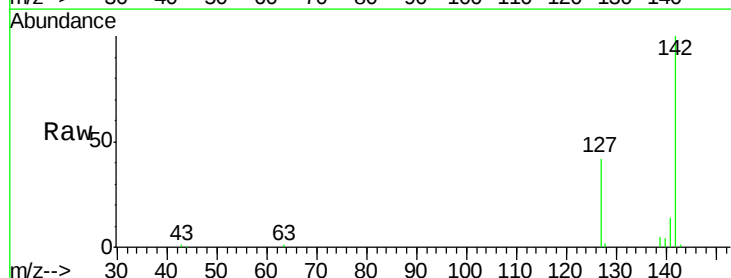
Manual Integrations
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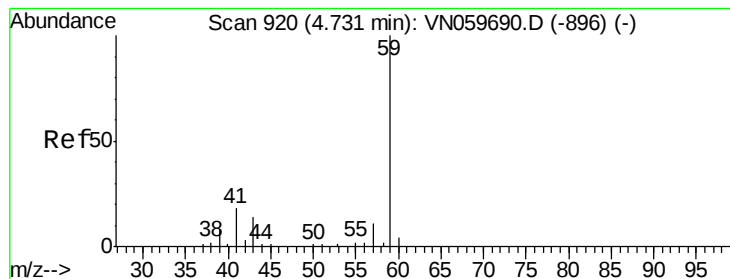
MMDadoda
 1/29/2020 11:04:25 AM



#10
 Methyl Iodide
 Concen: 52.741 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.8	36.7	55.1
141	14.0	11.7	17.5





#11

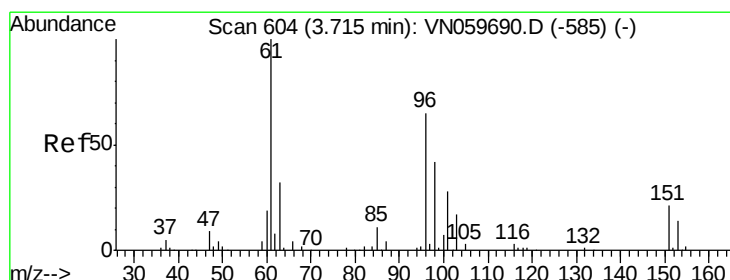
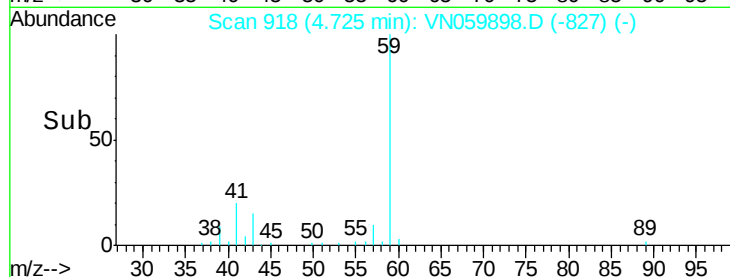
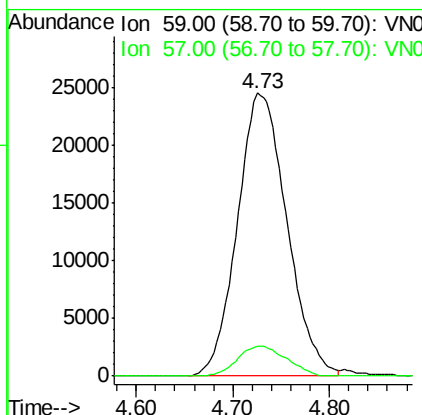
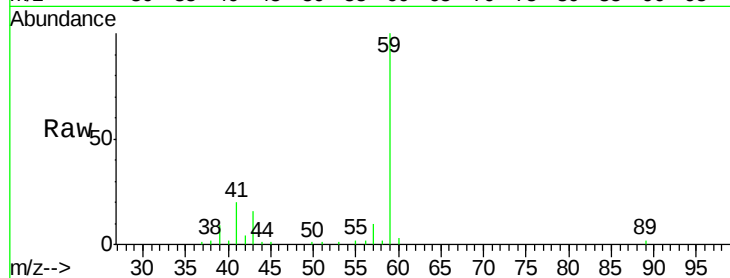
Tert butyl alcohol
Concen: 235.678 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

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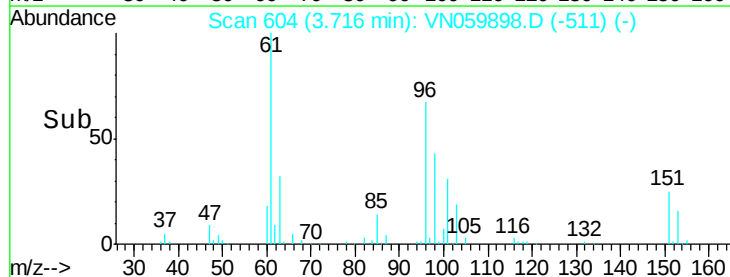
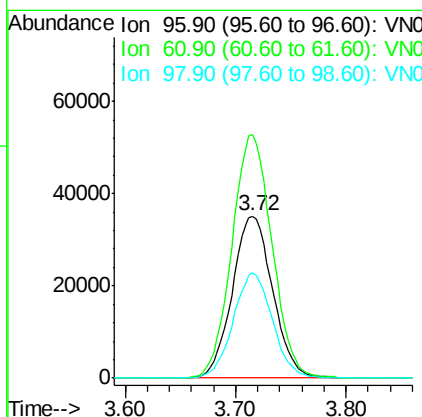
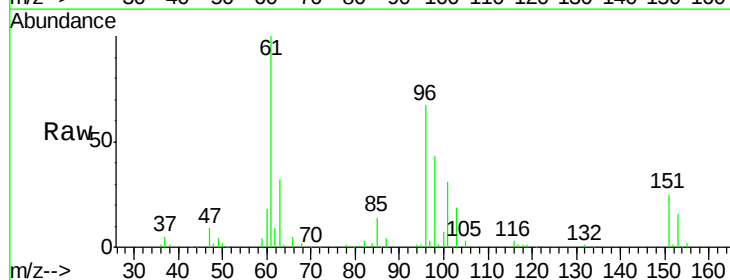
MMDadoda
1/29/2020 11:04:25 AM

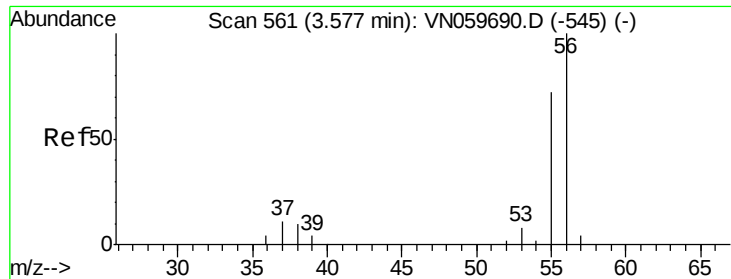


#12

1,1-Dichloroethene
Concen: 49.160 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	137.5	206.3
98	64.9	50.2	75.4





#13

Acrolein

Concen: 293.701 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76826

Ion Ratio Lower Upper

56 100

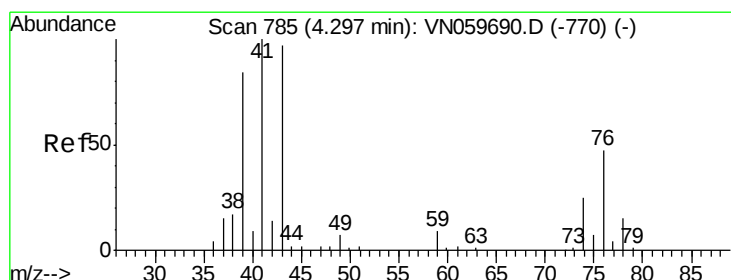
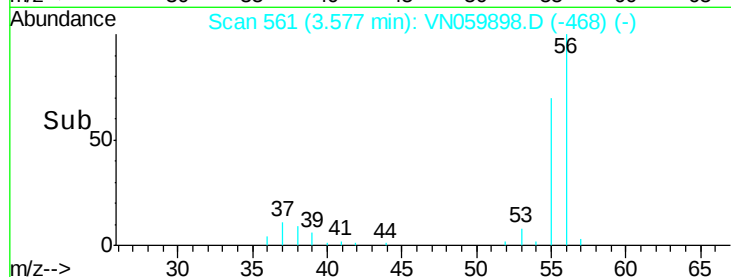
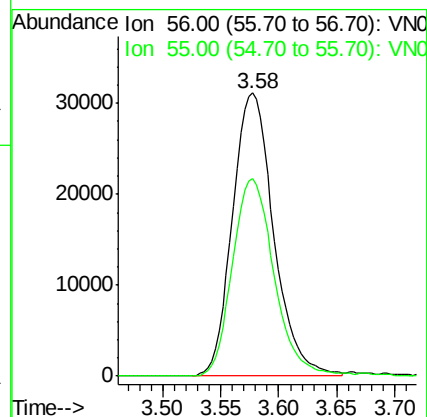
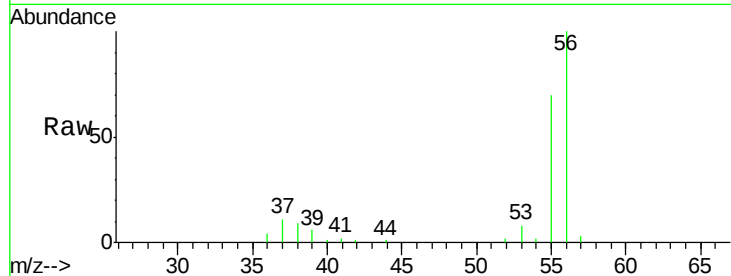
55 70.6 58.6 88.0

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#14

Allyl chloride

Concen: 50.788 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

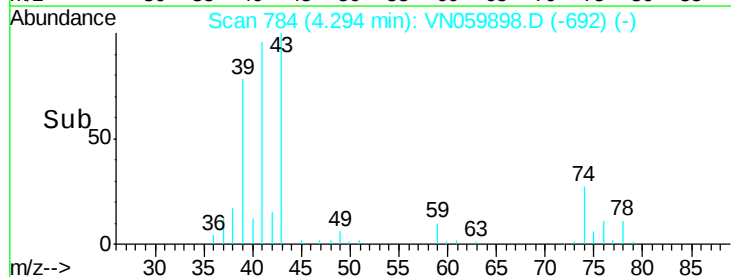
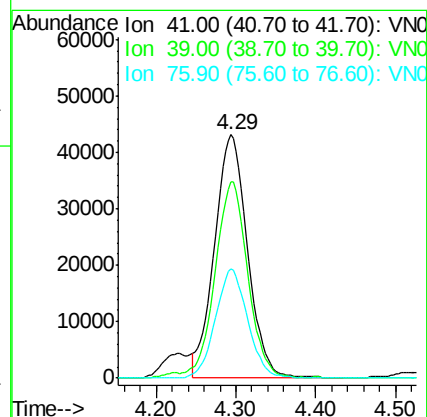
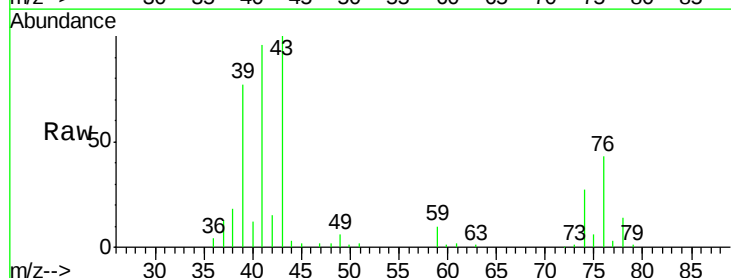
Tgt Ion: 41 Resp: 123793

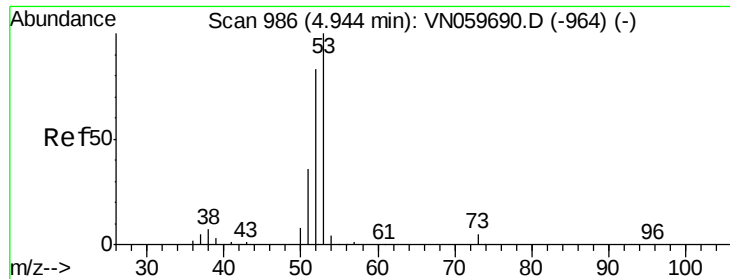
Ion Ratio Lower Upper

41 100

39 79.1 57.8 86.8

76 43.5 25.4 38.0#





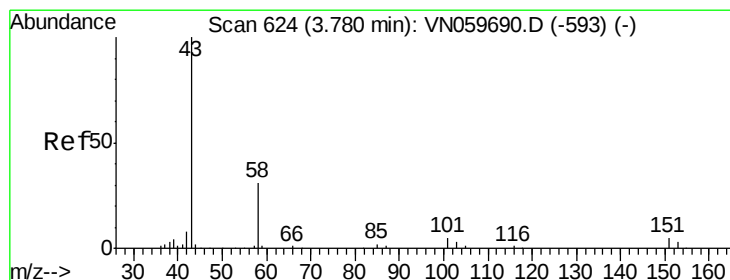
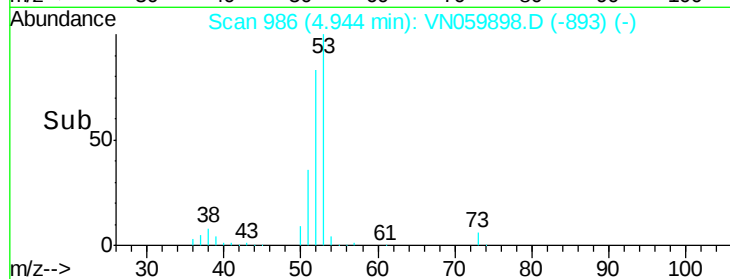
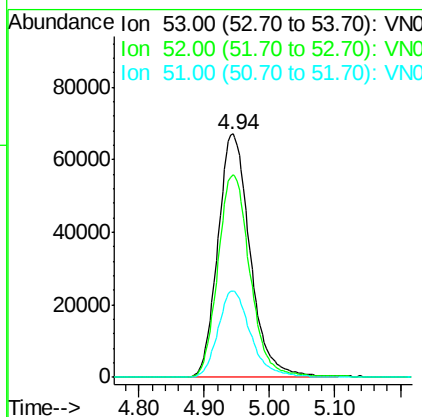
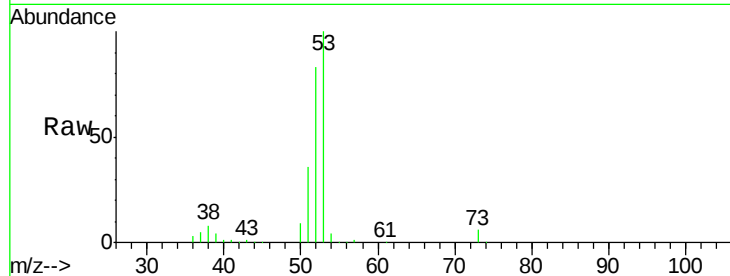
#15
 Acrylonitrile
 Concen: 273.231 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	230311
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.3	99.5
51	36.0	29.7	44.5

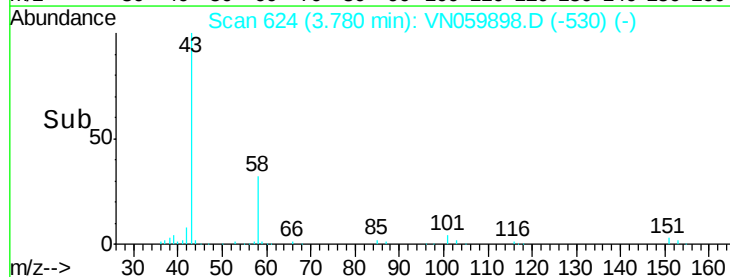
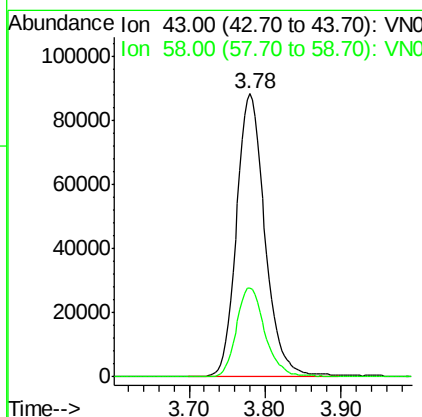
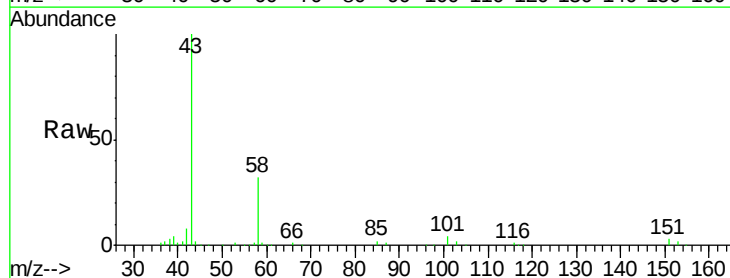
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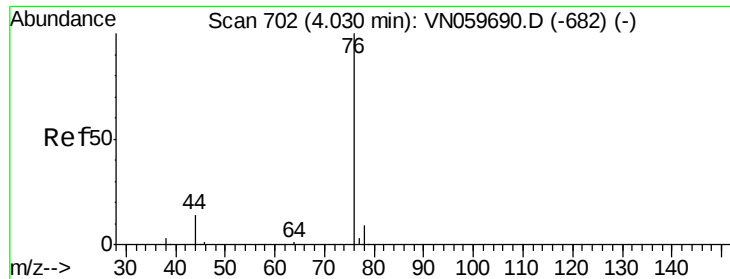
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#16
 Acetone
 Concen: 308.990 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion:	43	Resp:	229563
Ion Ratio	Lower	Upper	
43	100		
58	31.6	23.6	35.4





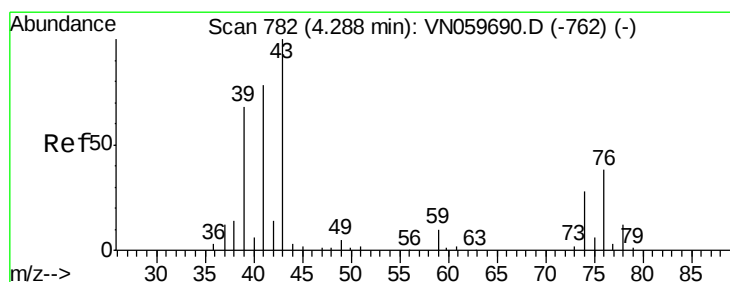
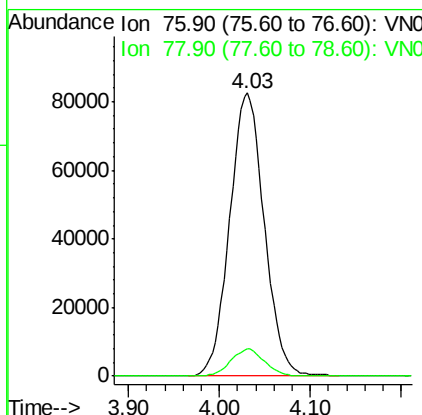
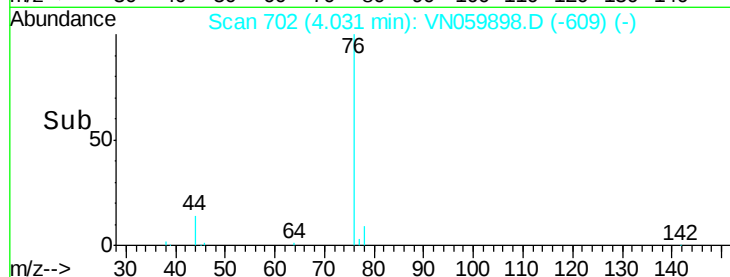
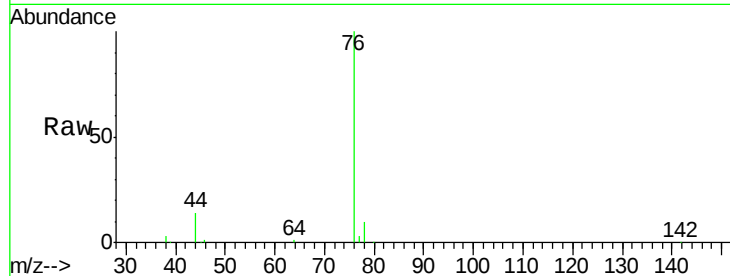
#17
Carbon Disulfide
Concen: 42.259 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

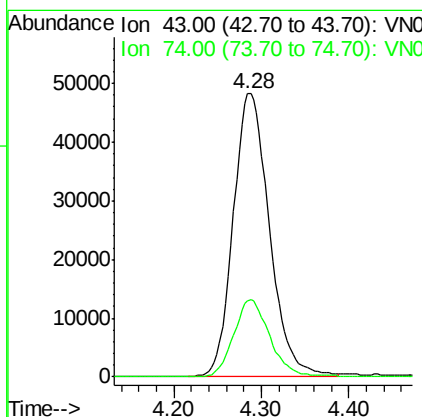
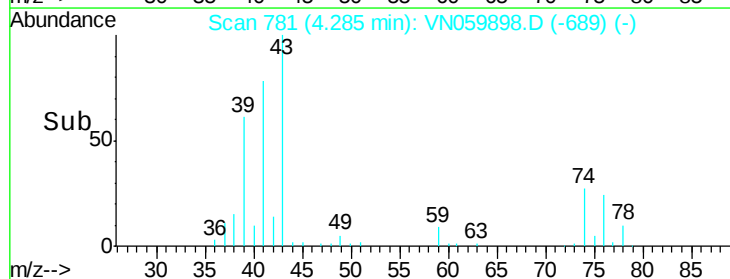
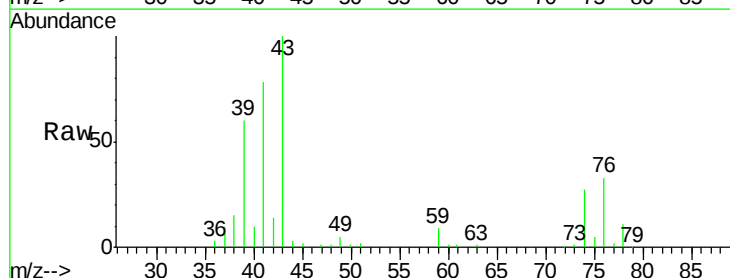
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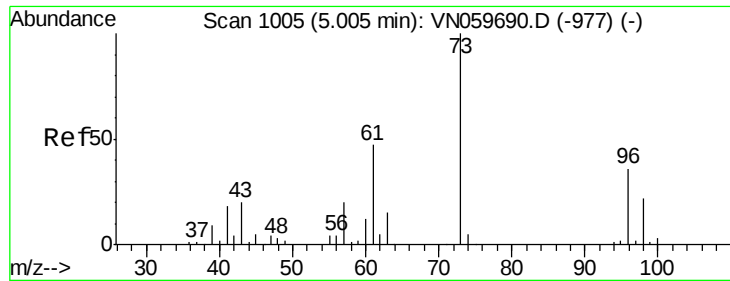
MMDadoda
1/29/2020 11:04:25 AM



#18
Methyl Acetate
Concen: 54.299 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	17.5	26.3#





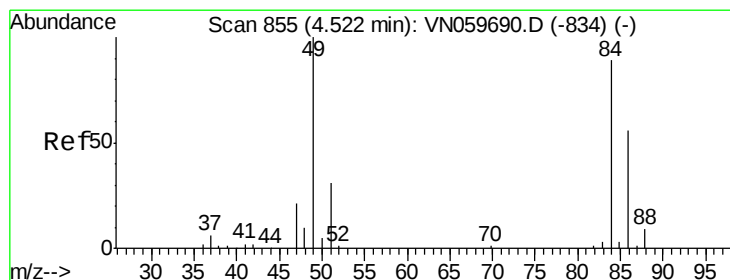
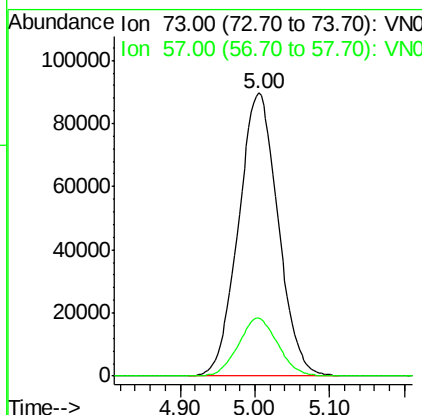
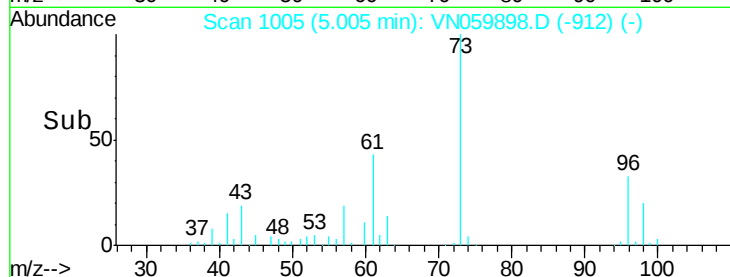
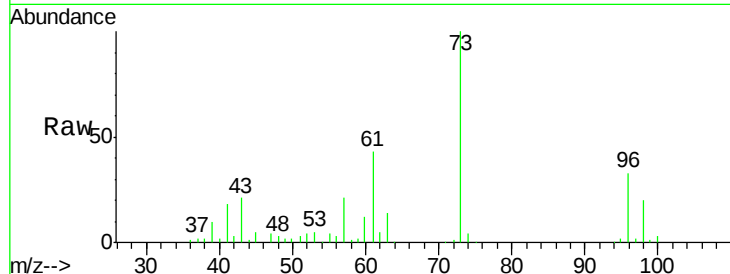
#19
Methvl tert-butvl Ether
Concen: 55.931 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 329774
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

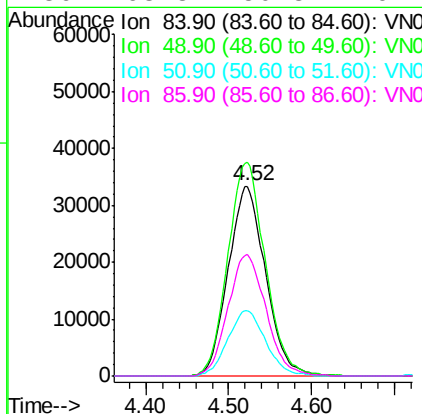
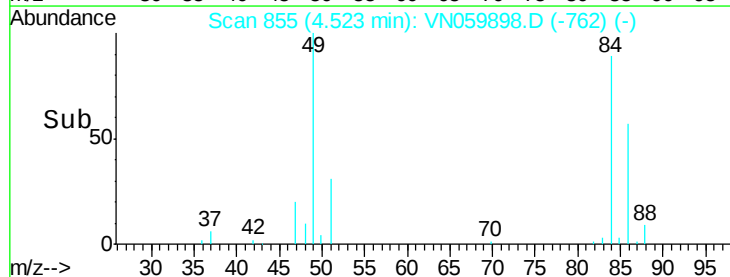
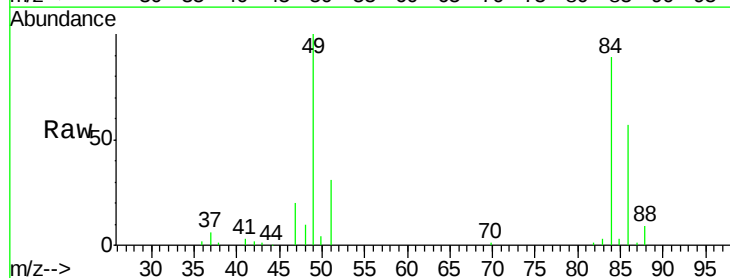
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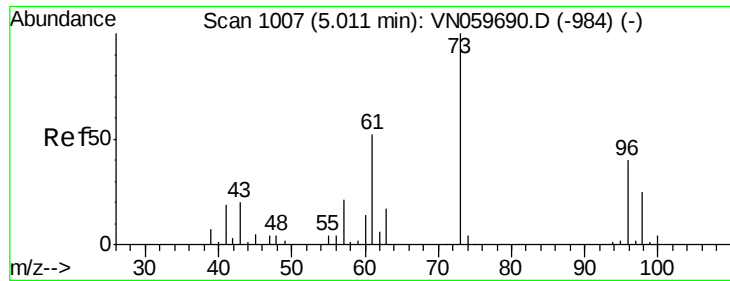
MMDadoda
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#20
Methylene Chloride
Concen: 52.756 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 84 Resp: 104628
Ion Ratio Lower Upper
84 100
49 112.6 106.6 160.0
51 34.5 31.9 47.9
86 63.8 50.8 76.2





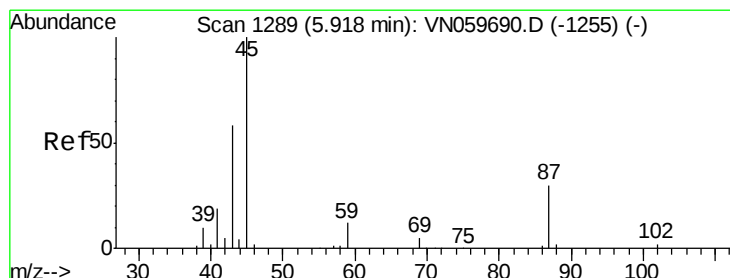
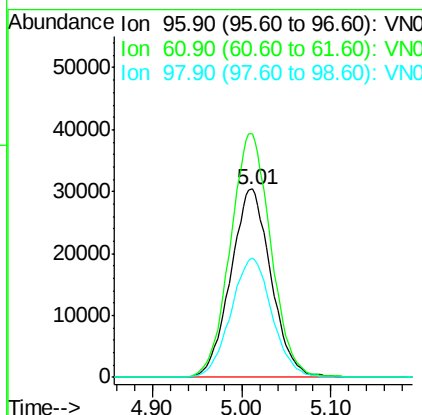
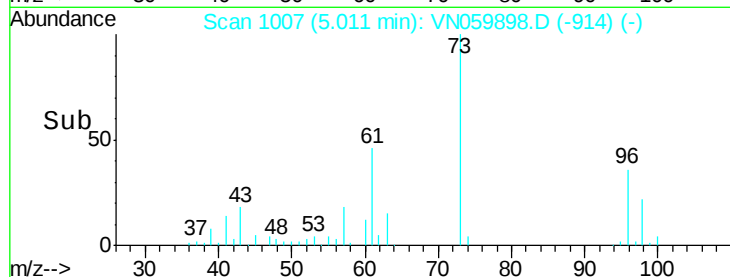
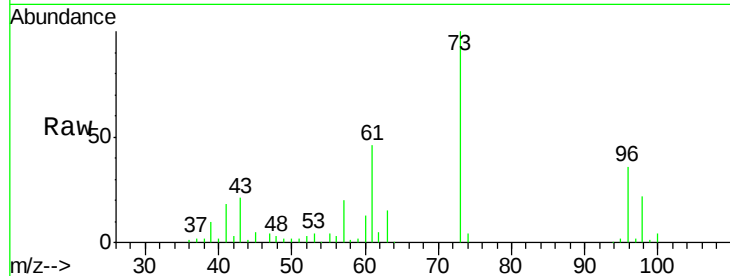
#21
trans-1,2-Dichloroethene
Concen: 49.721 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	120.4	180.6
98	63.2	50.6	75.8

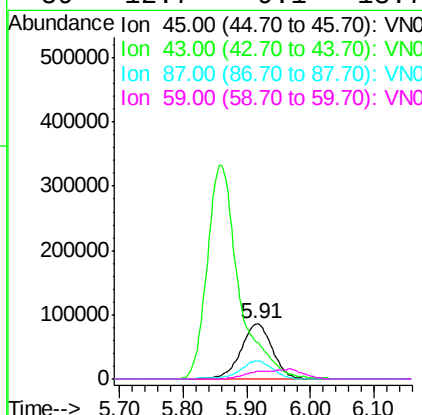
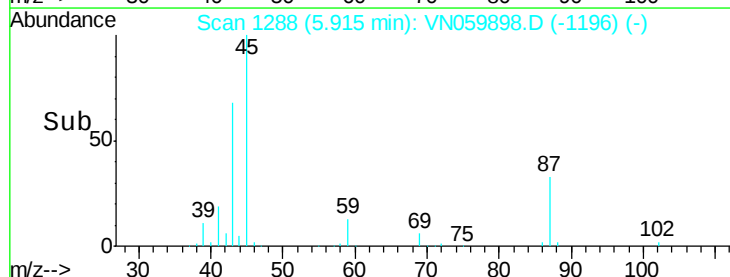
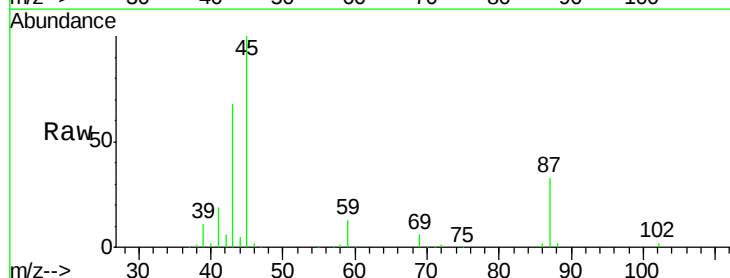
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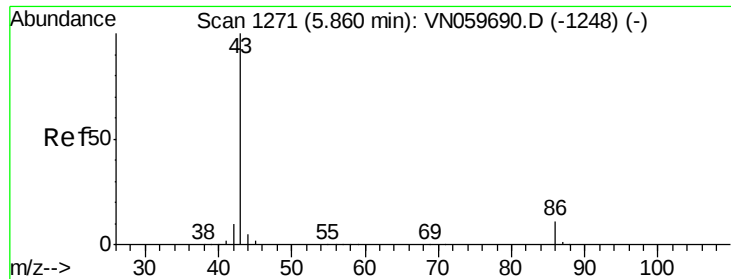
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#22
Diisopropyl ether
Concen: 53.173 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	50.8	76.2
87	32.9	21.0	31.6
59	12.7	9.1	13.7





#23

Vinyl Acetate

Concen: 269.763 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1153706

Ion Ratio Lower Upper

43 100

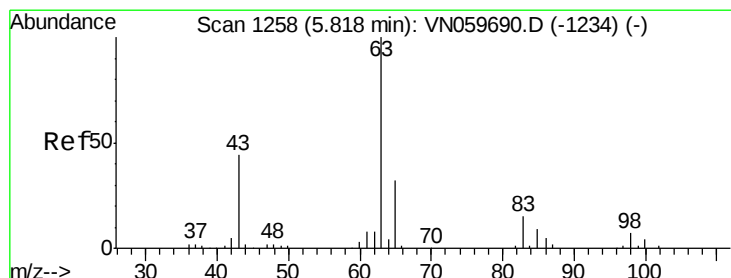
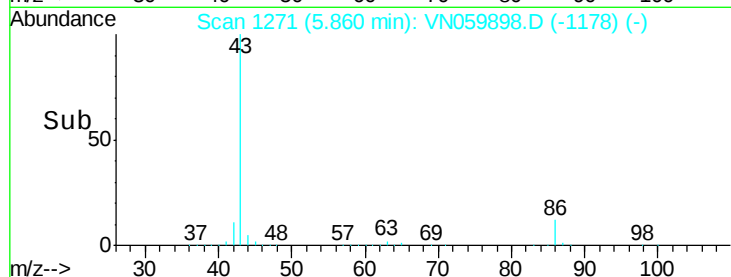
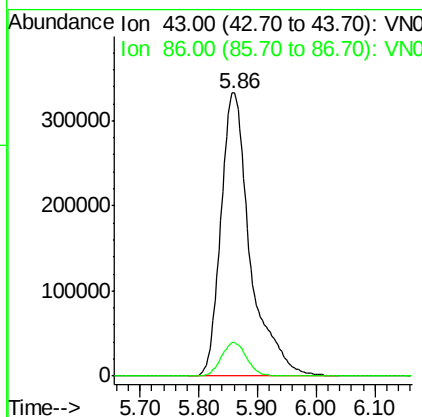
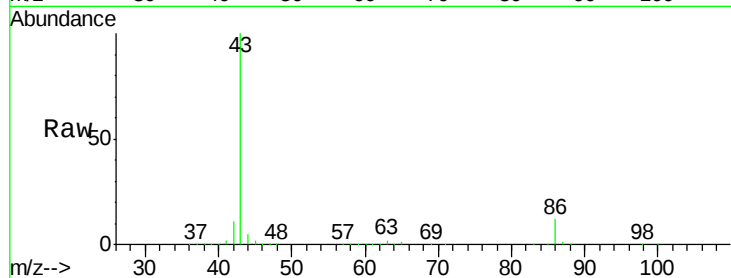
86 11.8 7.6 11.4#

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#24

1,1-Dichloroethane

Concen: 51.765 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

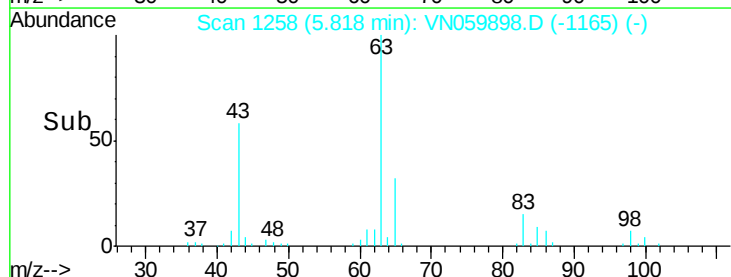
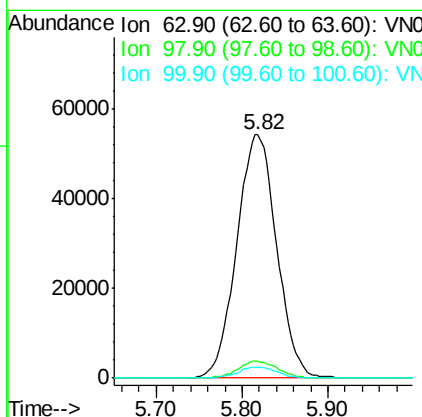
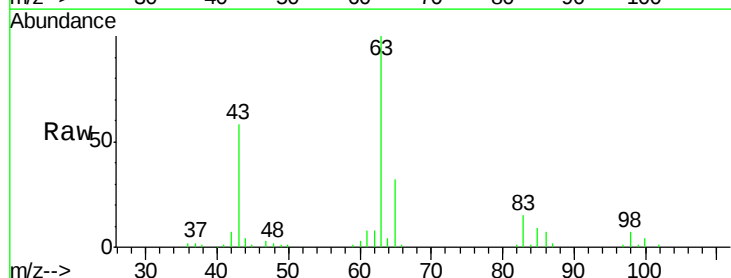
Tgt Ion: 63 Resp: 174715

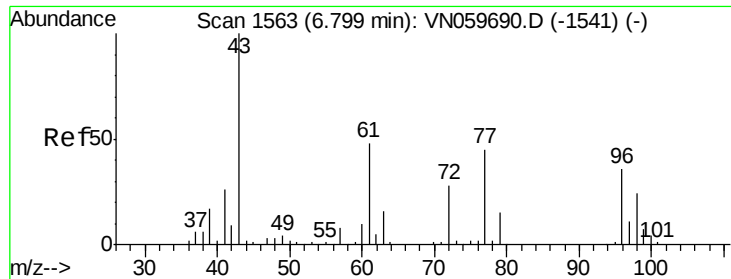
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 250.818 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 311778

Ion Ratio Lower Upper

43 100

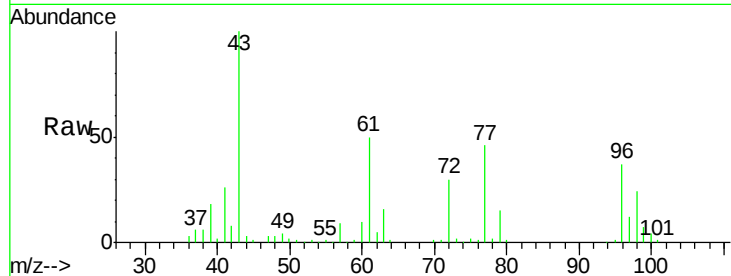
72 29.6 19.9 29.9

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Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059690.D (-1541) (-)

6.80

120000

100000

80000

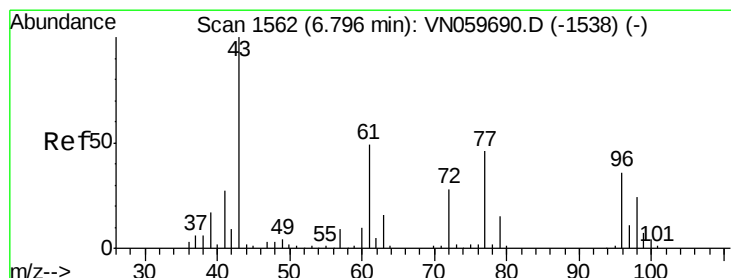
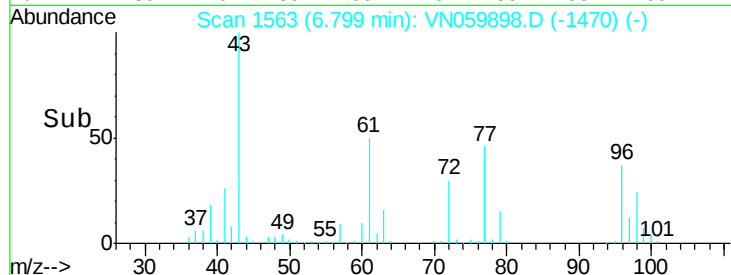
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.849 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059898.D

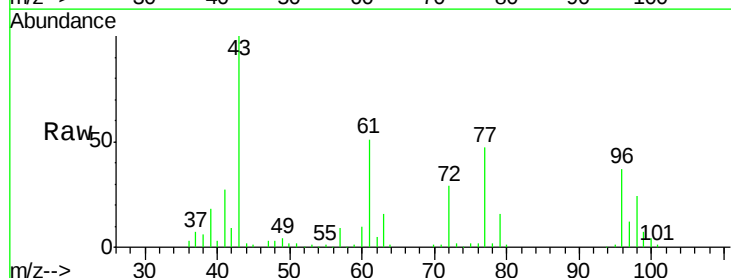
Acq: 28 Jan 2020 17:42

Tgt Ion: 77 Resp: 164996

Ion Ratio Lower Upper

77 100

97 24.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059690.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN059690.D (-1538) (-)

6.80

60000

50000

40000

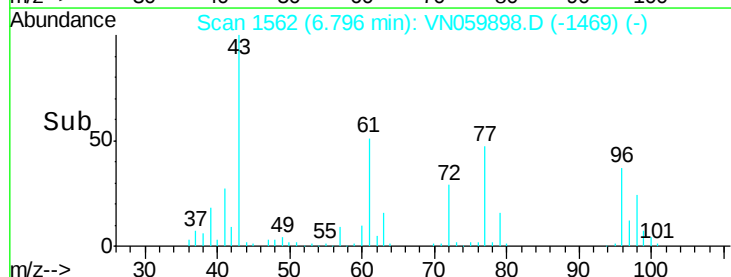
30000

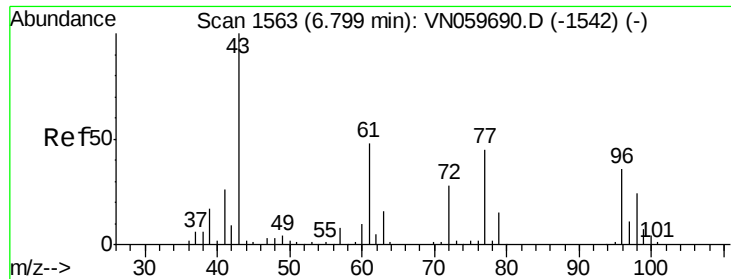
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.721 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

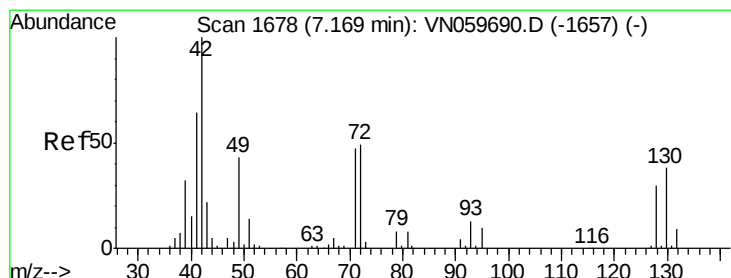
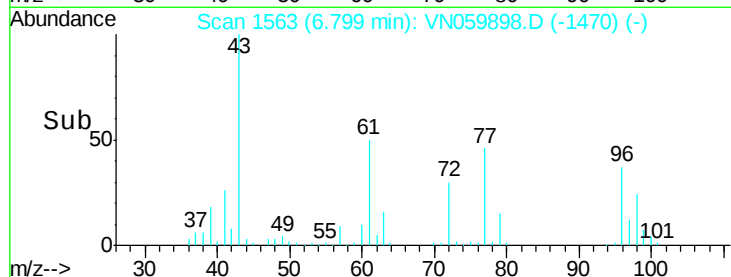
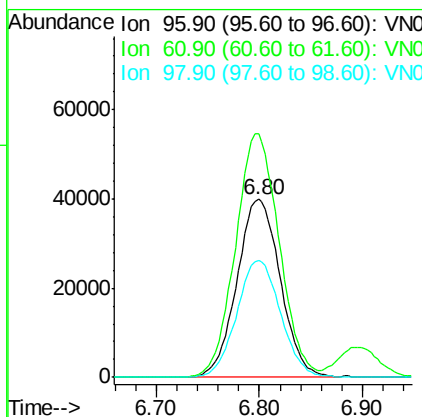
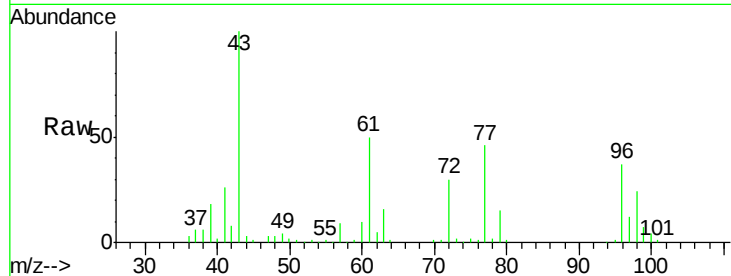
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	116564
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	317.6
98	66.3	0.0	127.0

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#28

Bromochloromethane

Concen: 50.787 ug/l

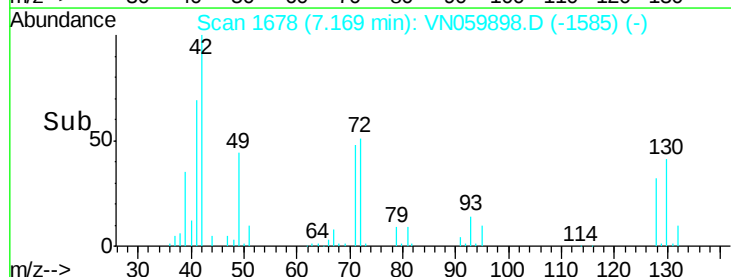
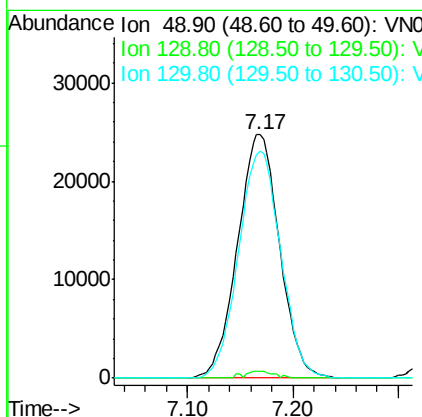
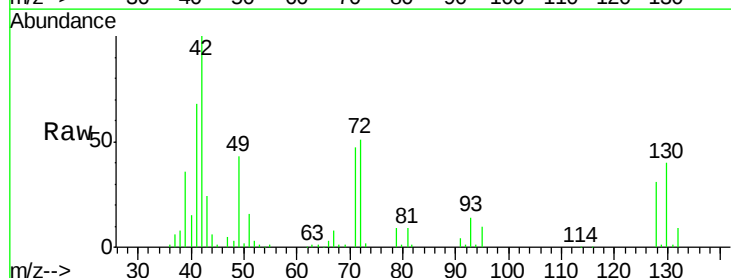
RT: 7.17 min Scan# 1678

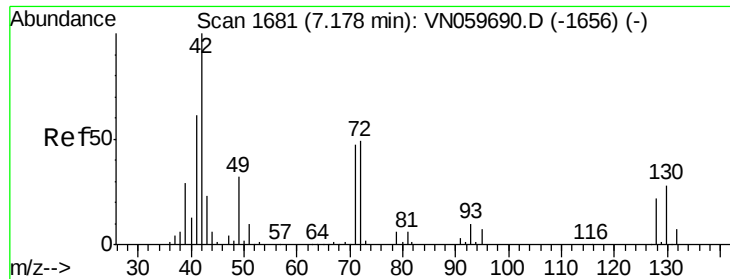
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion:	49	Resp:	68511
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	93.5	54.7	82.1#





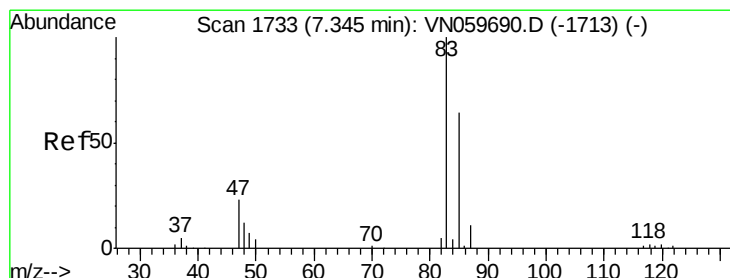
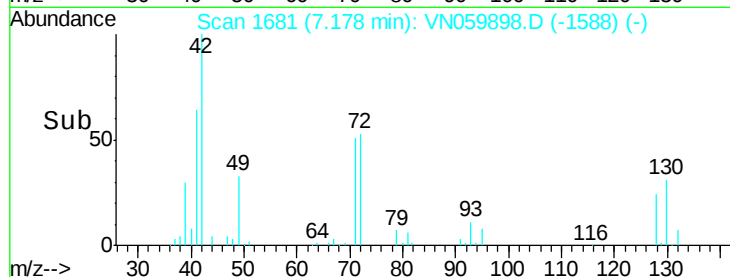
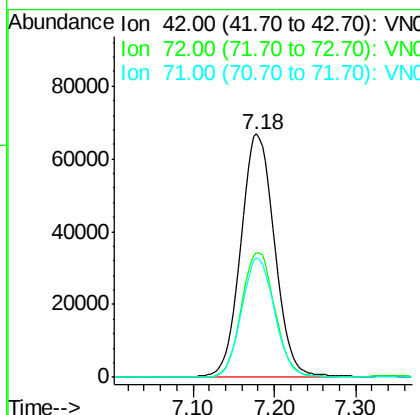
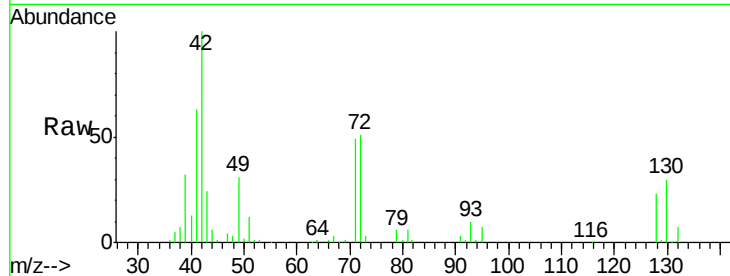
#29
Tetrahydrofuran
Concen: 248.845 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	33.1	49.7#
71	47.9	31.4	47.0#

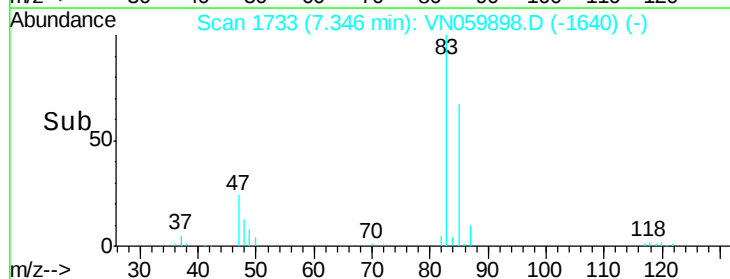
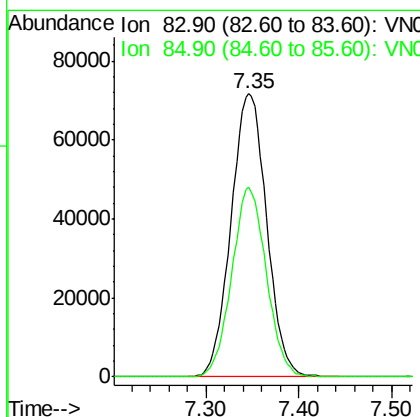
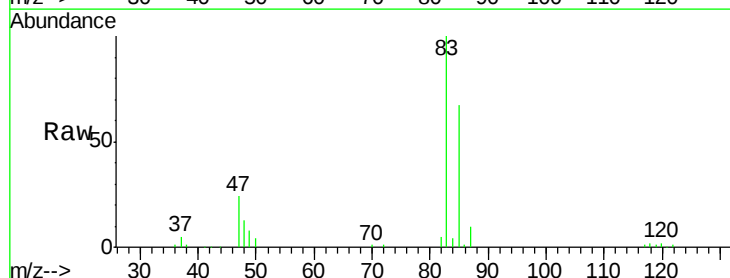
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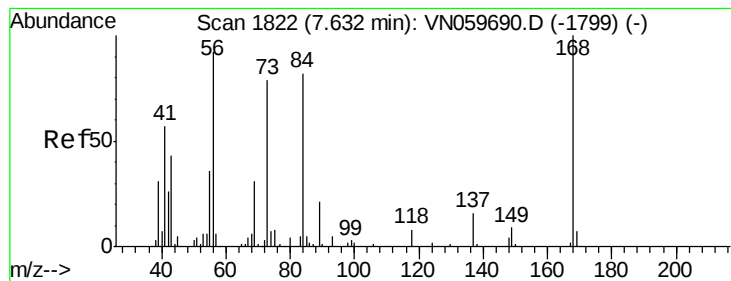
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#30
Chloroform
Concen: 54.643 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6





#31

Cyclohexane

Concen: 42.998 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 139647

Ion Ratio Lower Upper

56 100

69 35.6 26.5 39.7

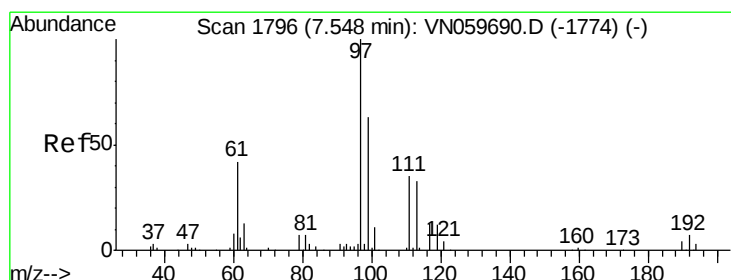
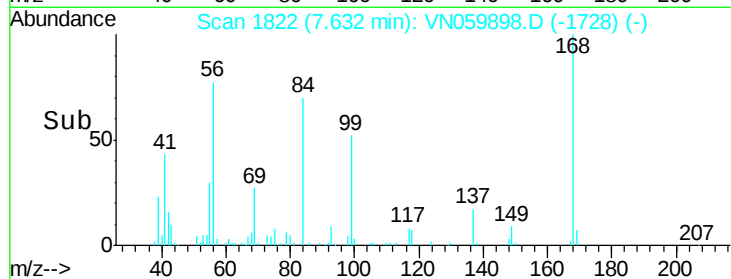
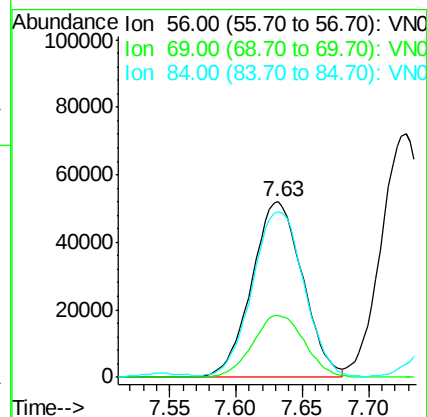
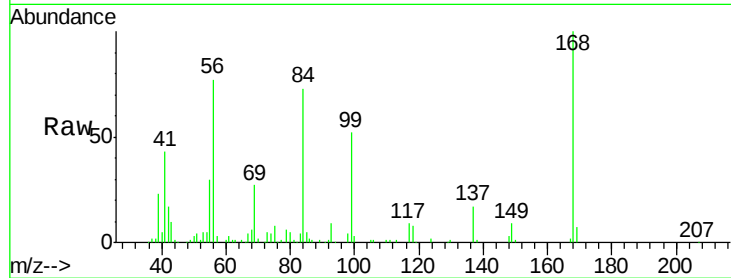
84 93.4 65.3 97.9

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#32

1,1,1-Trichloroethane

Concen: 52.503 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

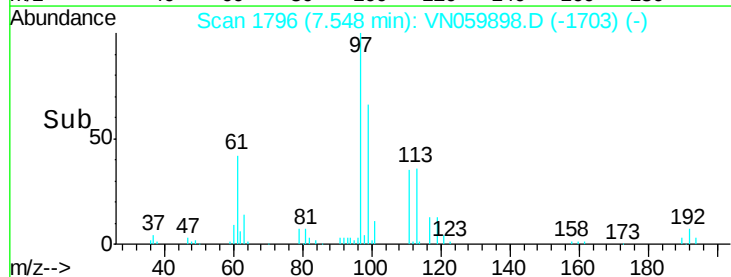
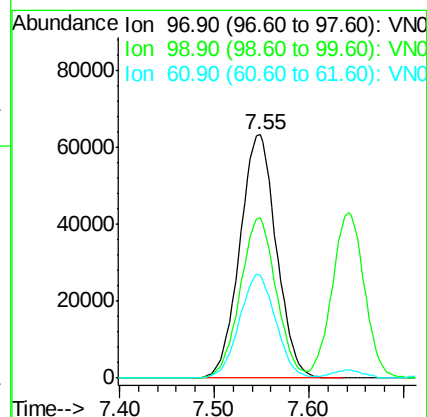
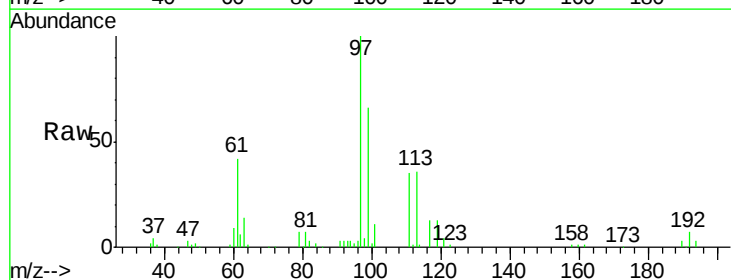
Tgt Ion: 97 Resp: 169764

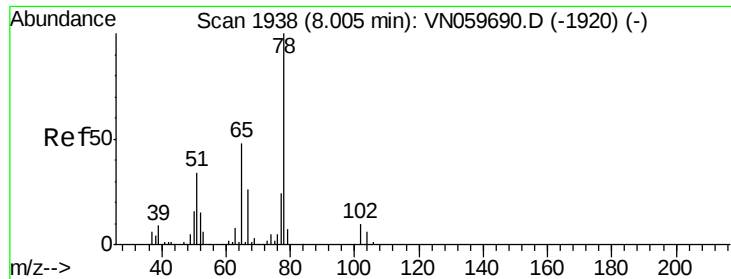
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 42.2 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 51.360 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 112737

Ion Ratio Lower Upper

65 100

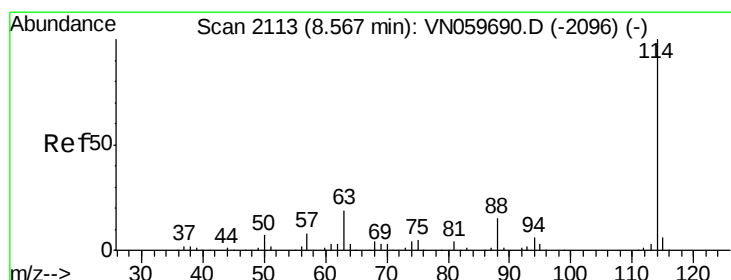
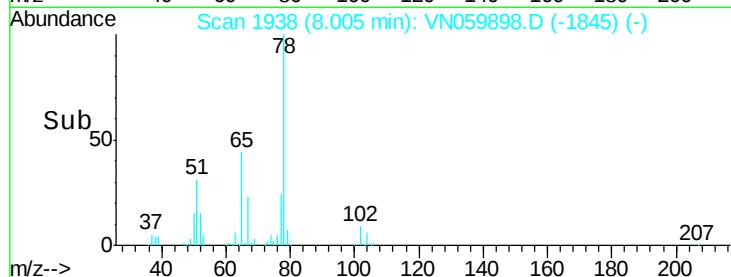
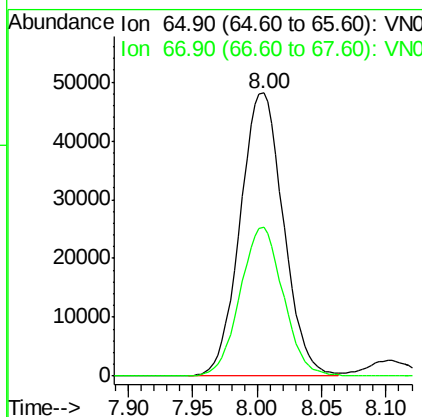
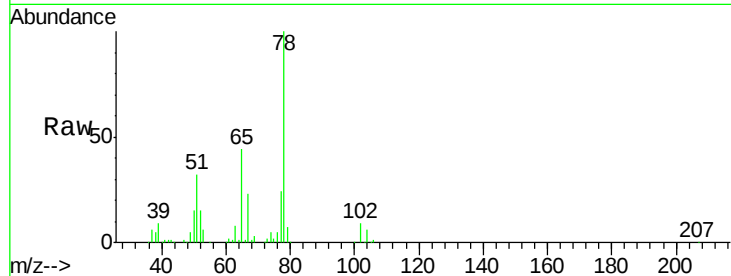
67 52.3 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

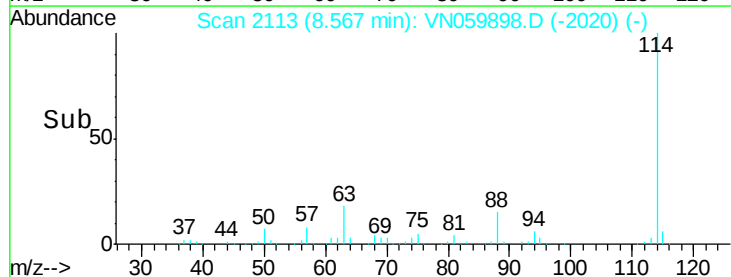
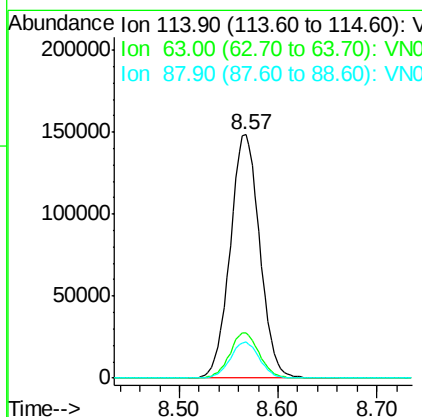
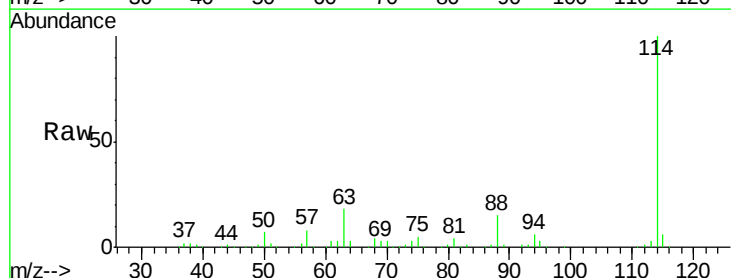
Tgt Ion: 114 Resp: 310480

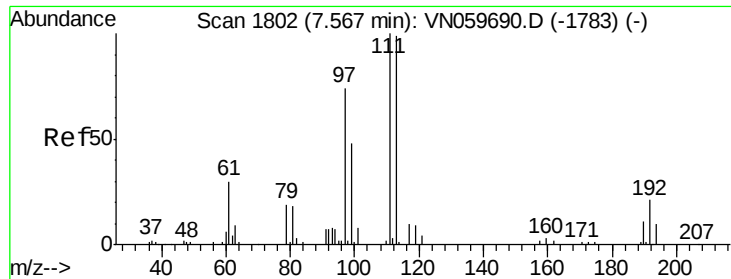
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.6

88 14.6 0.0 31.4





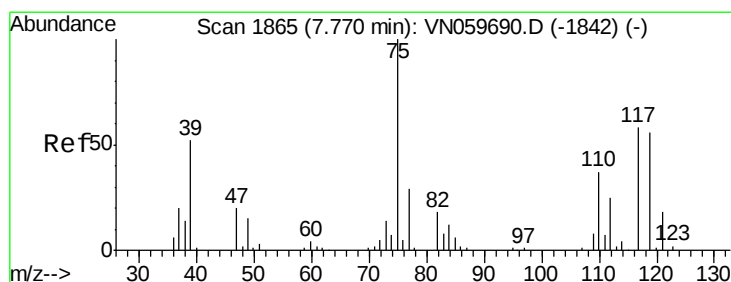
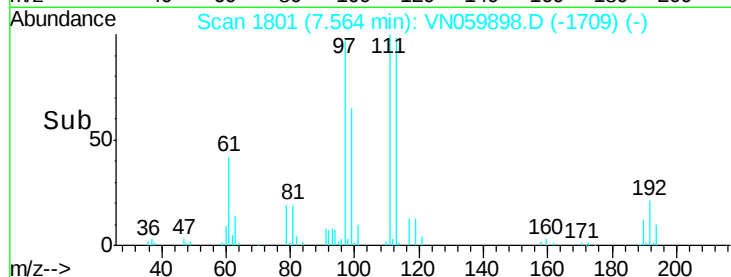
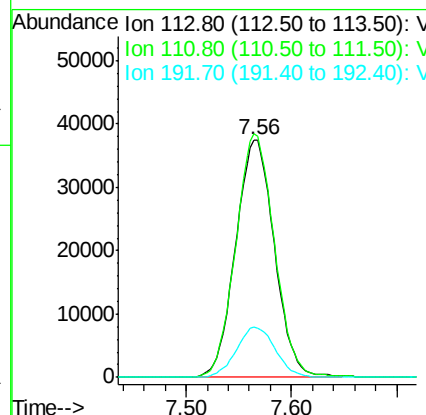
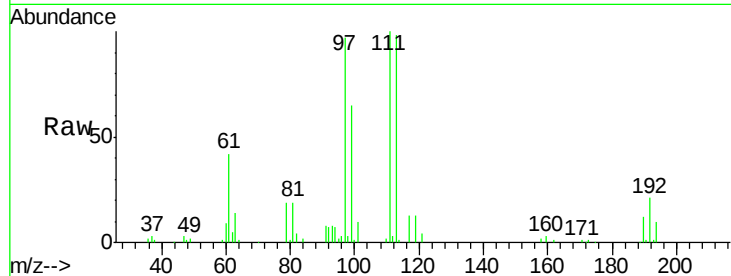
#35
Dibromofluoromethane
Concen: 51.720 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.5	125.3
192	21.2	15.4	23.2

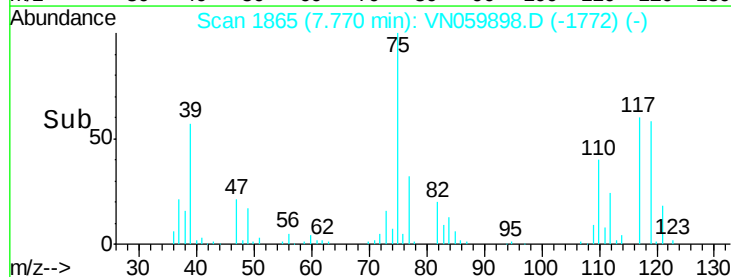
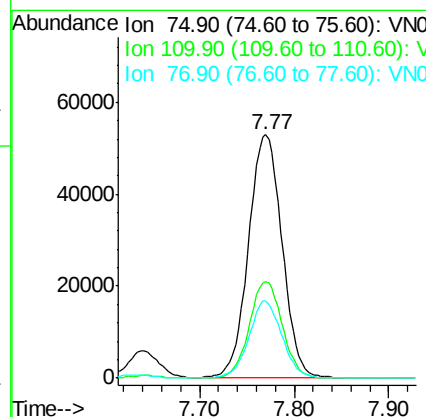
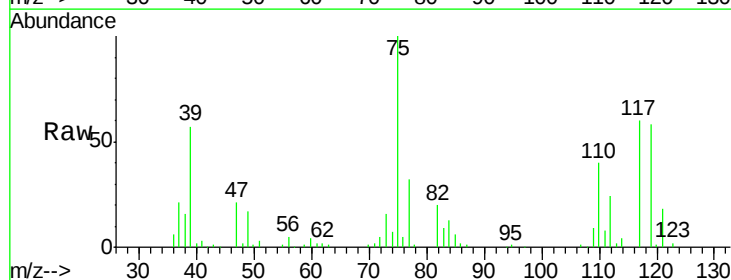
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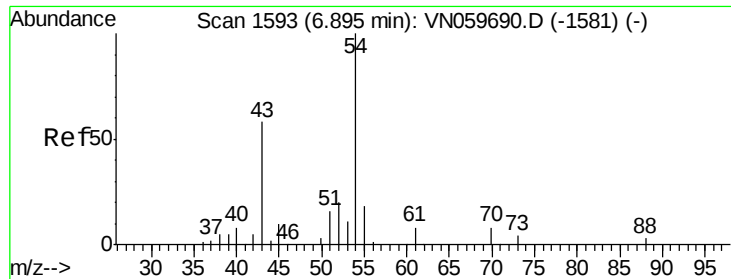
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#36
1,1-Dichloropropene
Concen: 48.435 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	16.6	49.7
77	31.1	25.1	37.7





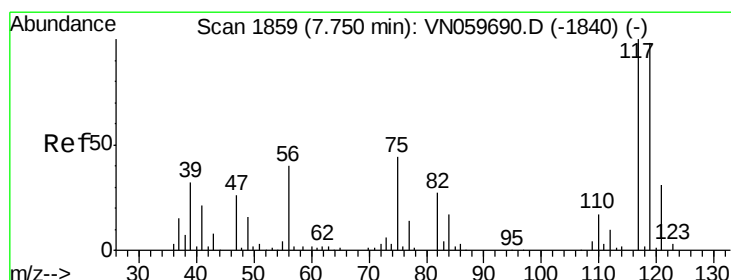
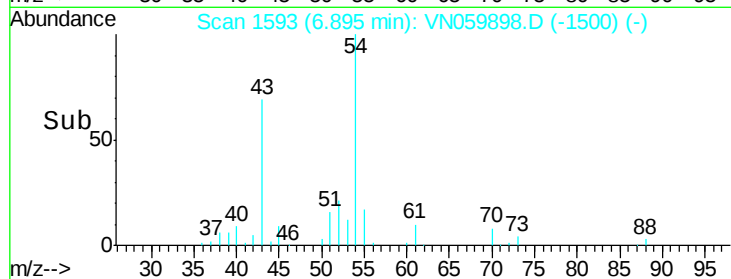
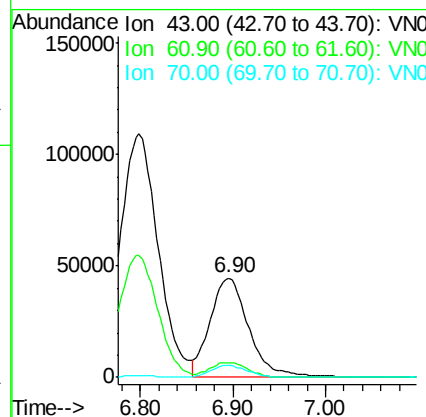
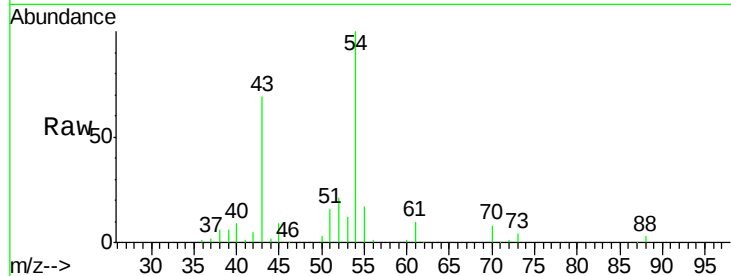
#37
Ethyl Acetate
Concen: 50.215 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.9	16.3
70	11.6	7.7	11.5

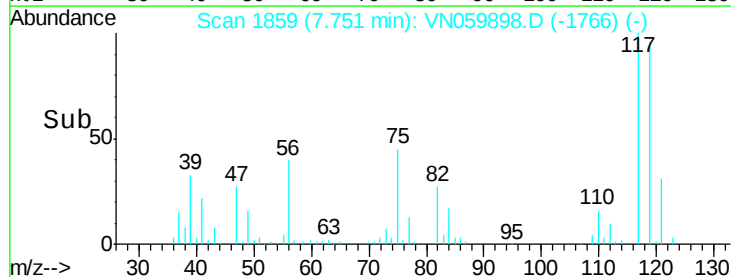
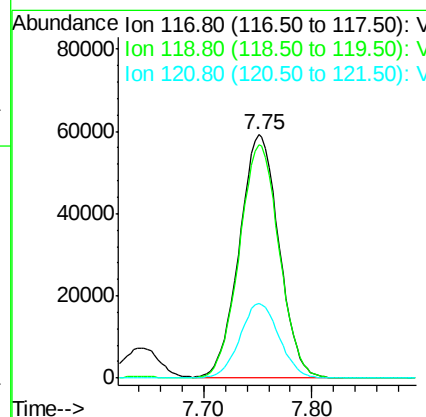
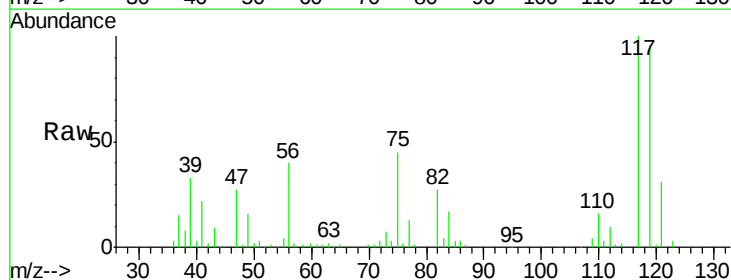
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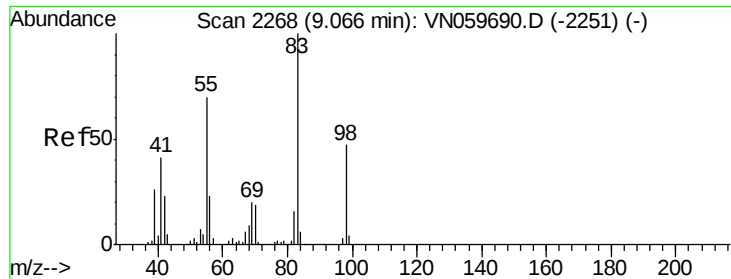
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#38
Carbon Tetrachloride
Concen: 51.470 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
121	30.7	25.1	37.7





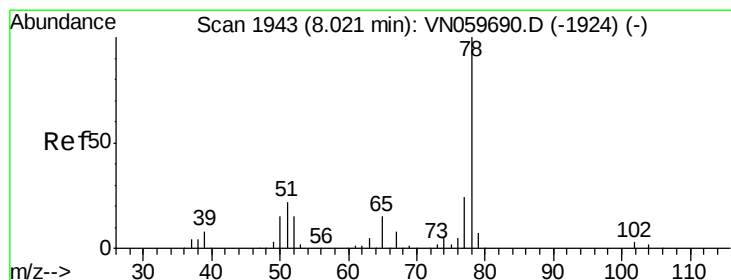
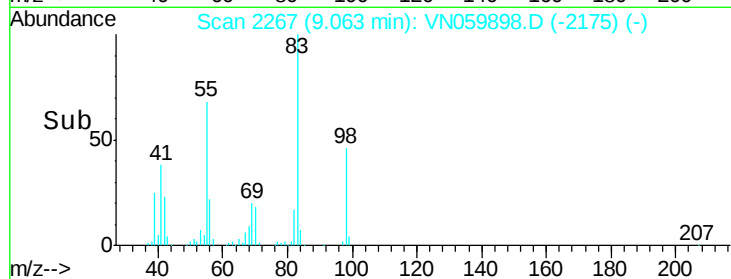
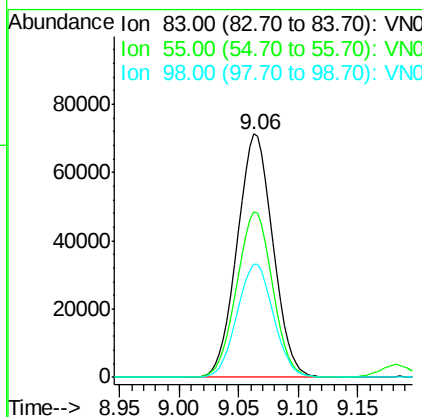
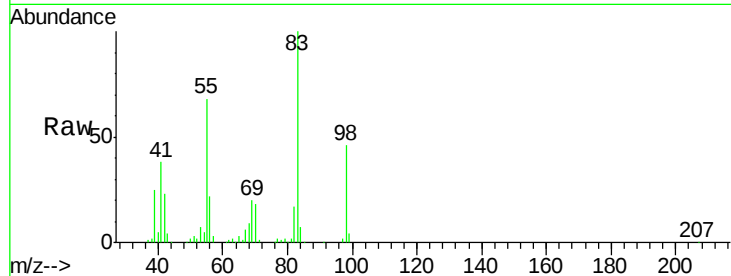
#39
Methvlcvclohexane
Concen: 44.662 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	64.2	96.2
98	46.3	35.9	53.9

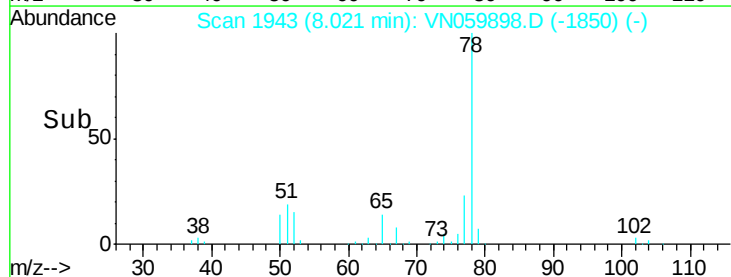
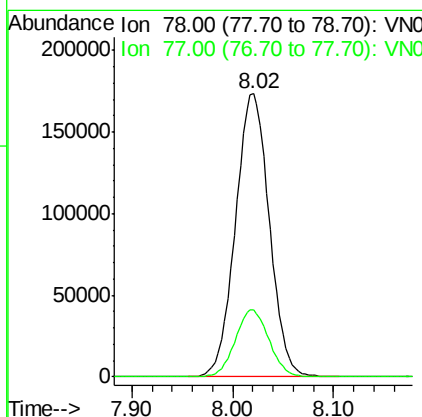
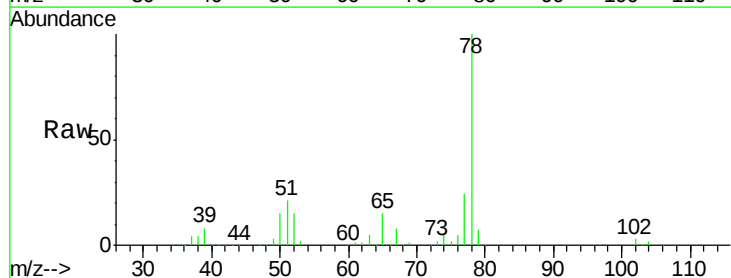
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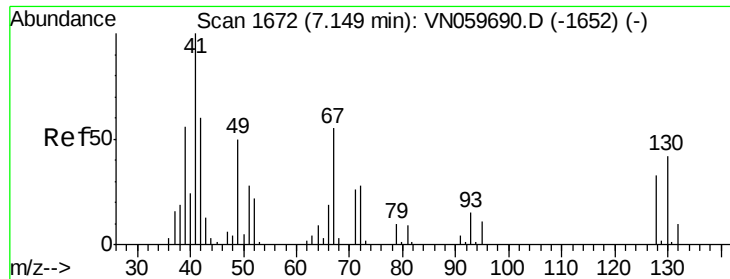
MMDadoda
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#40
Benzene
Concen: 49.980 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





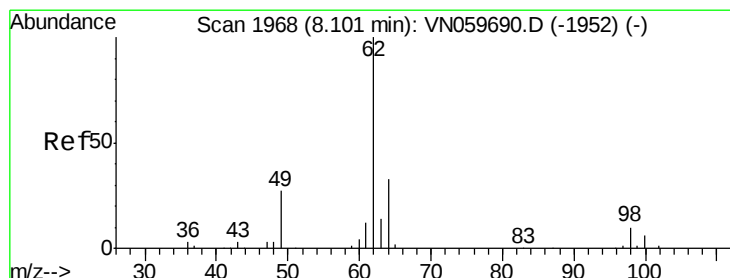
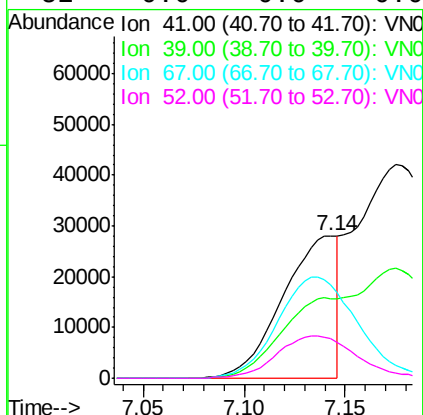
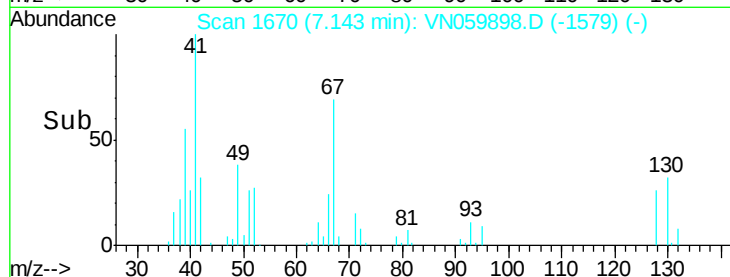
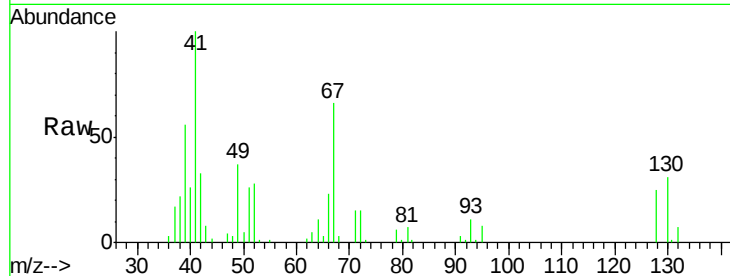
#41
Methacrylonitrile
Concen: 42.763 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	53414
Ion	Ratio	Lower	Upper
41	100		
39	180.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

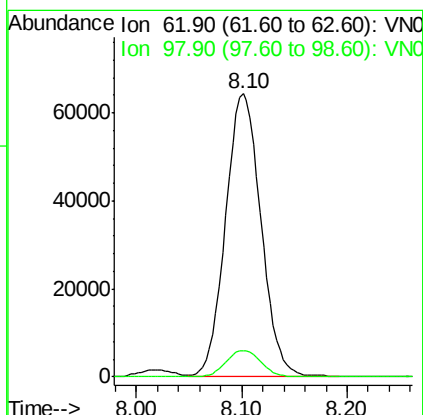
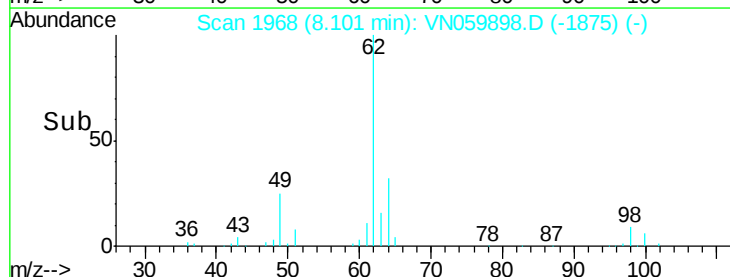
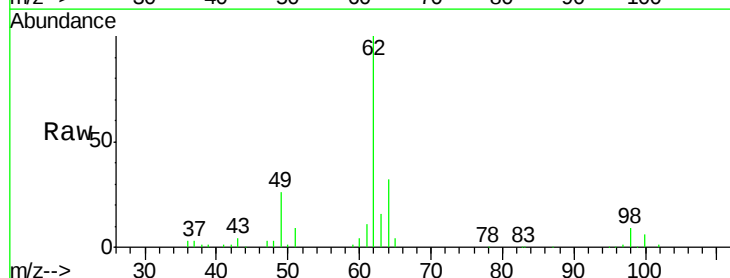
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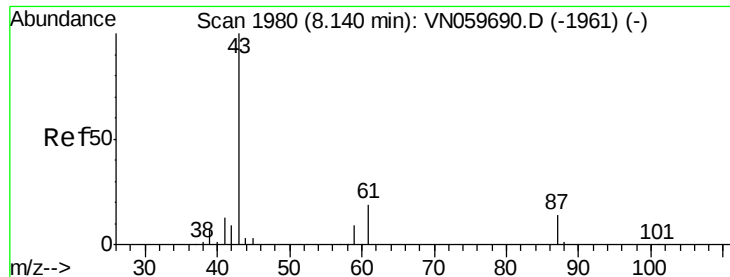
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.578 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	62	Resp	149217
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8





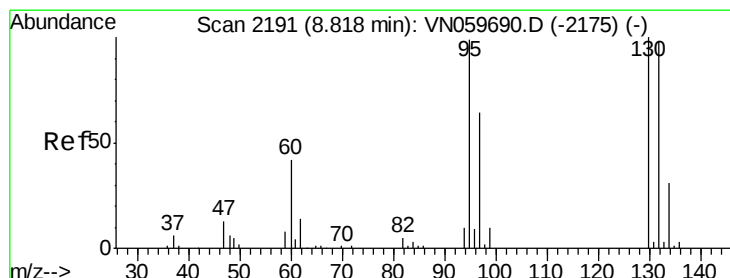
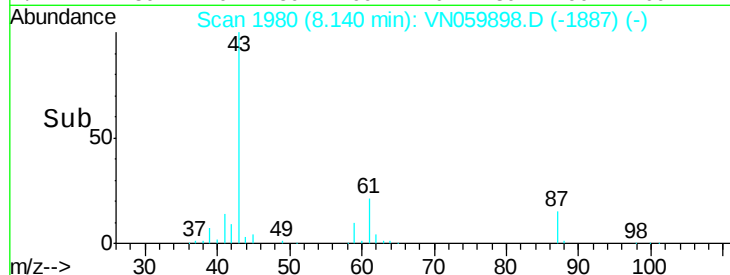
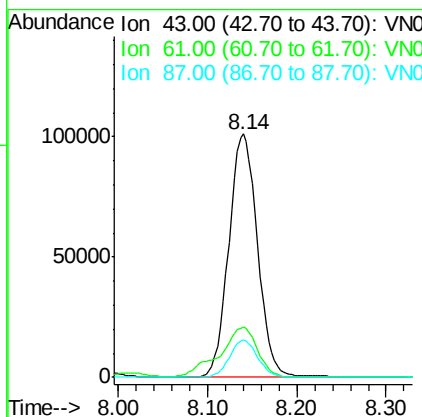
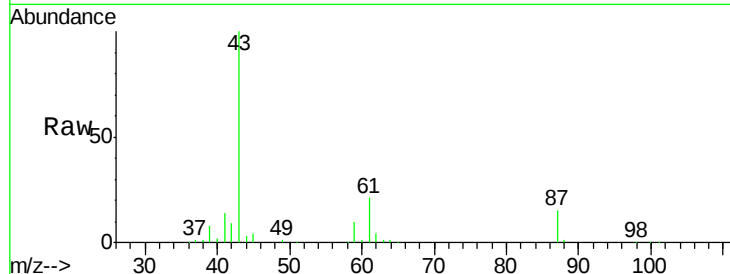
#43
Isopropyl Acetate
Concen: 51.807 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.9	9.5	14.3

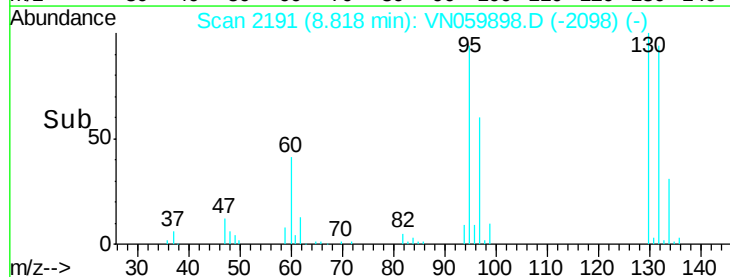
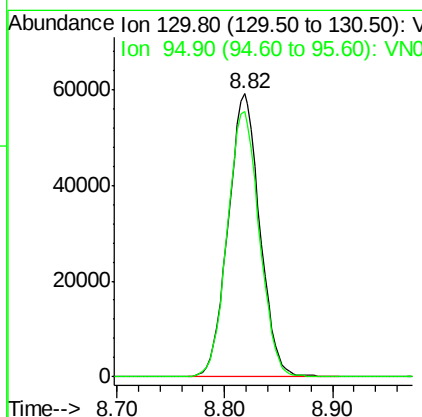
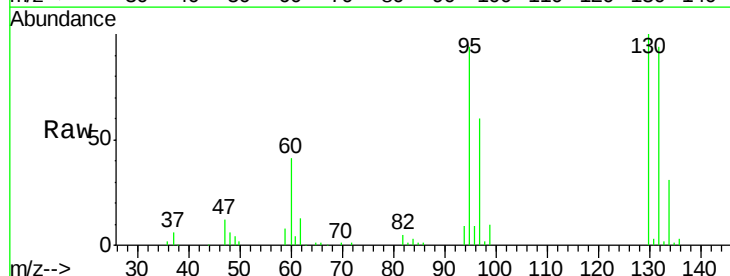
Manual Integrations
APPROVED

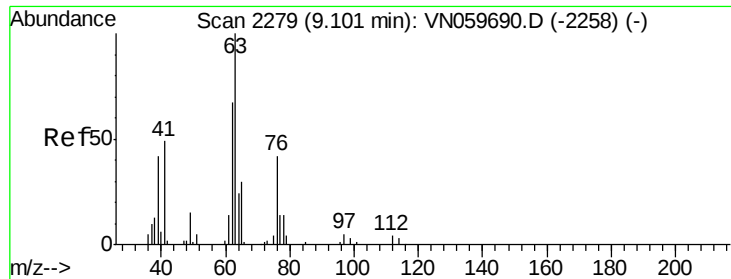
MMDadoda
1/29/2020 11:04:25 AM



#44
Trichloroethene
Concen: 54.724 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.725 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 105204

Ion Ratio Lower Upper

63 100

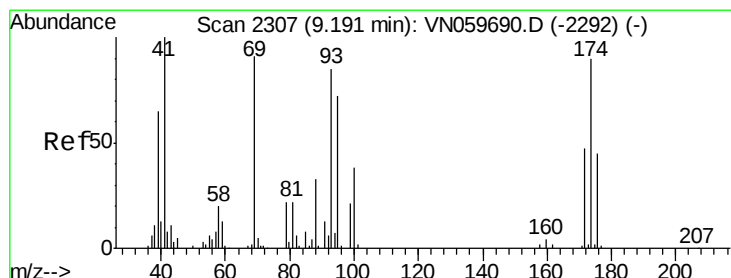
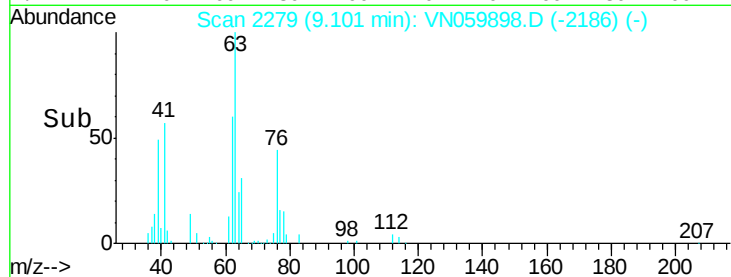
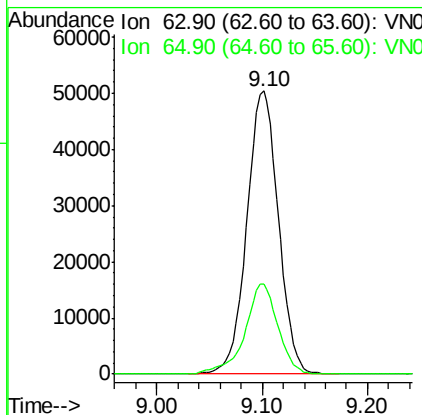
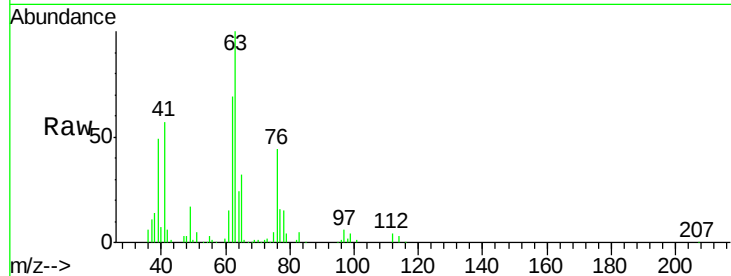
65 31.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 54.727 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

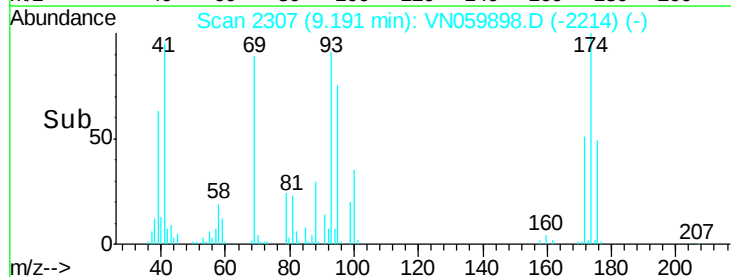
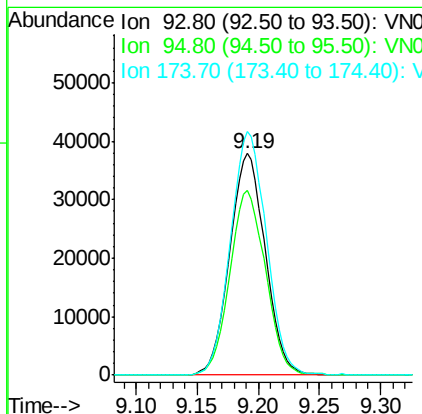
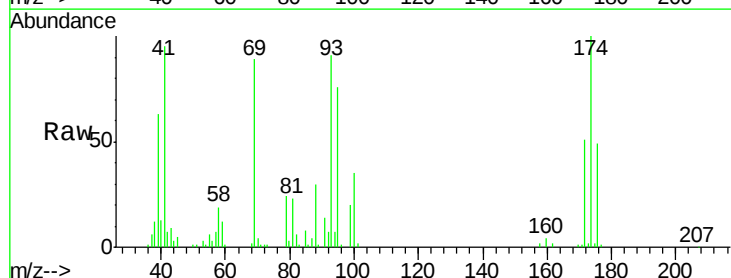
Tgt Ion: 93 Resp: 77030

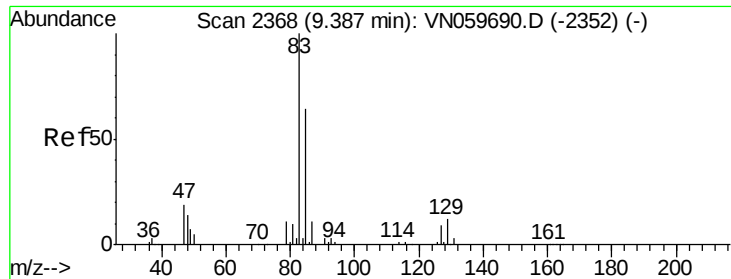
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.6

174 110.5 73.4 110.2#





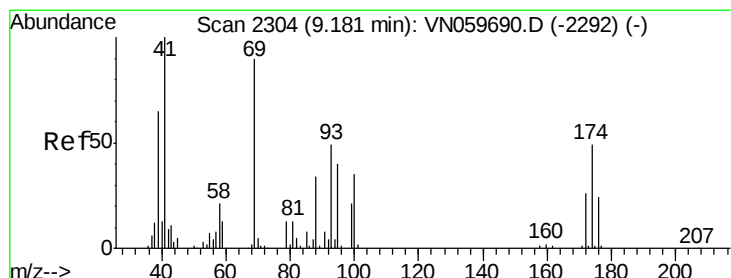
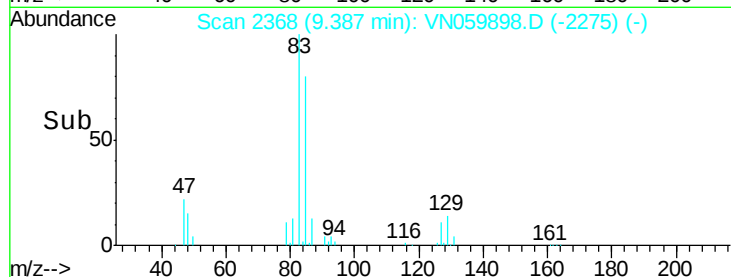
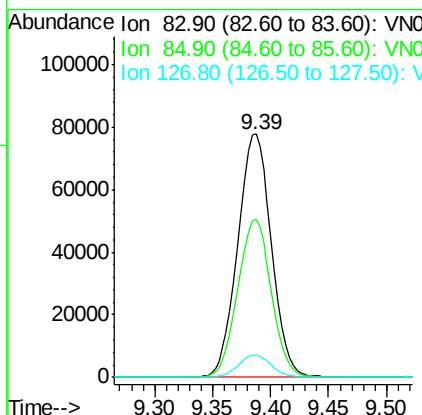
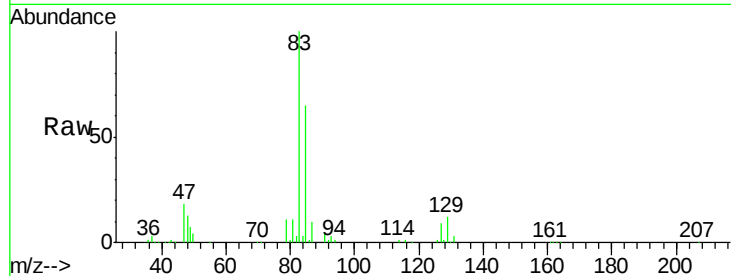
#47
Bromodichloromethane
Concen: 55.391 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	9.0	6.6	9.8

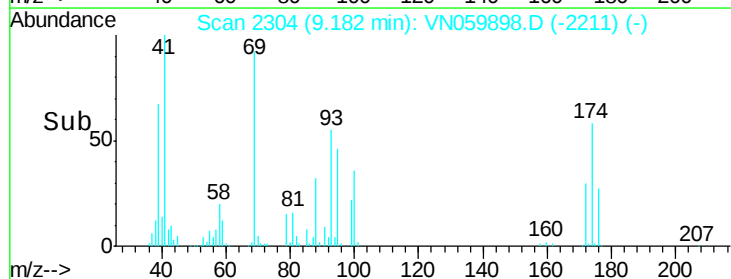
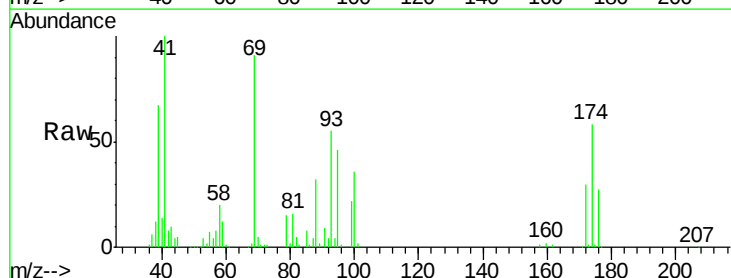
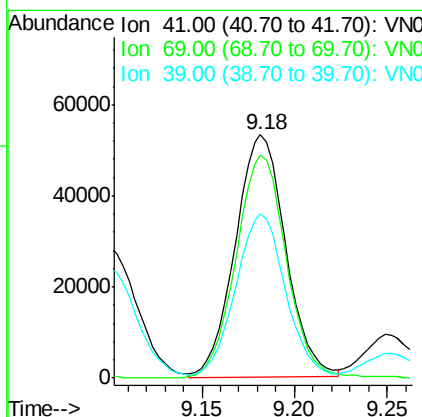
Manual Integrations
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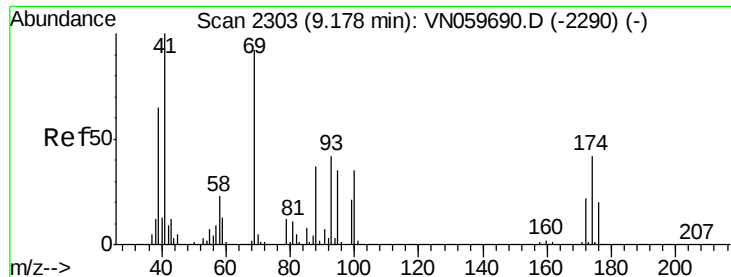
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#48
Methyl methacrylate
Concen: 51.767 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.7	64.4	96.6
39	66.8	51.3	76.9





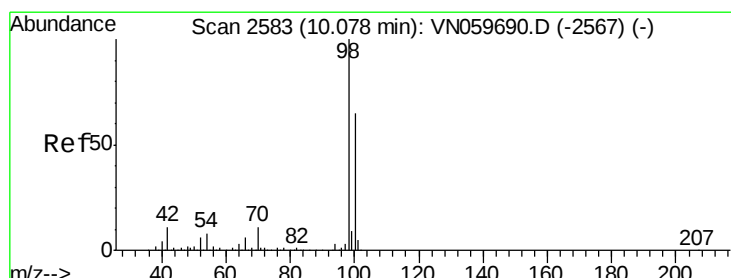
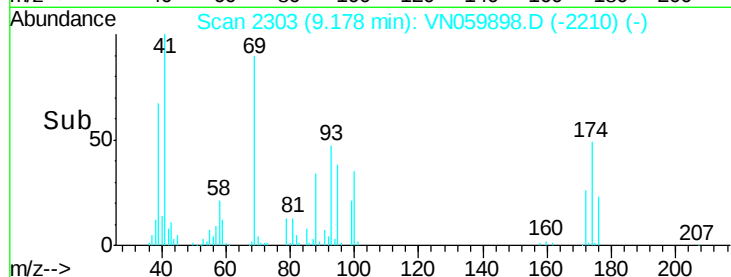
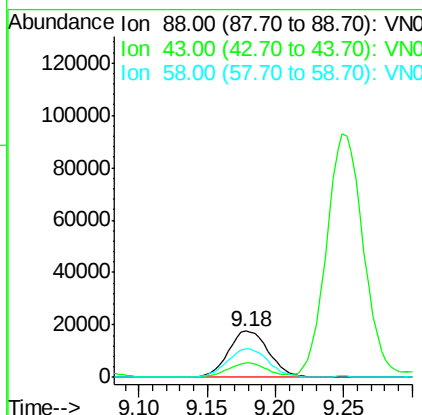
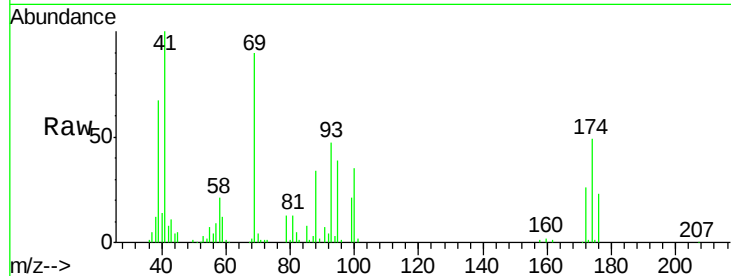
#49
1,4-Dioxane
Concen: 1028.511 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	29.7	44.5
58	62.9	56.6	85.0

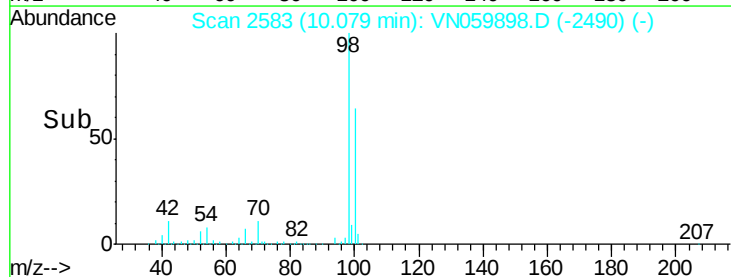
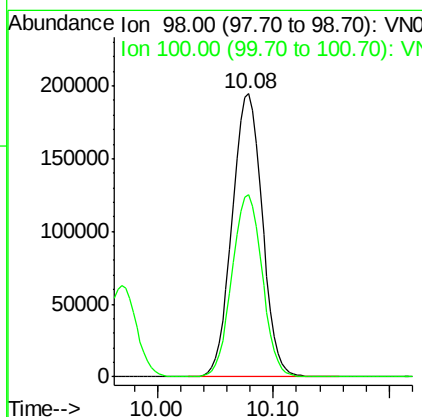
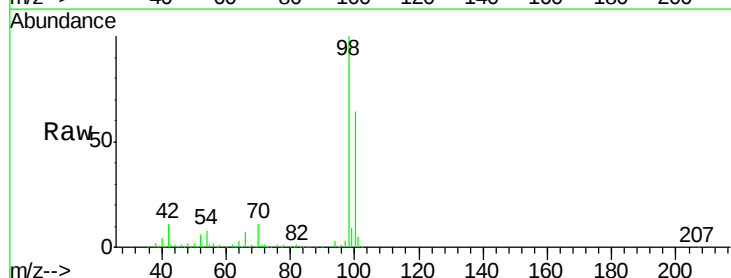
Manual Integrations
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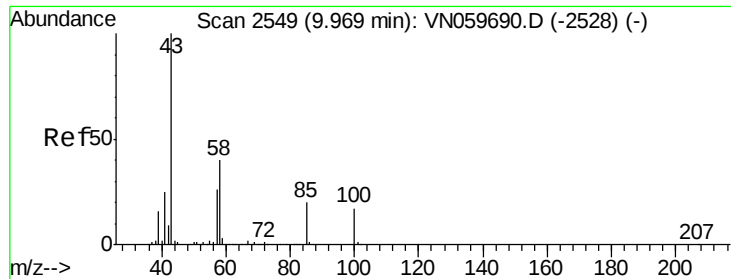
MMDadoda
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#50
Toluene-d8
Concen: 48.966 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 256.587 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 646973

Ion Ratio Lower Upper

43 100

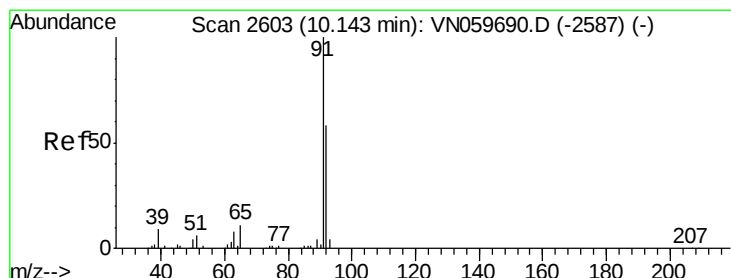
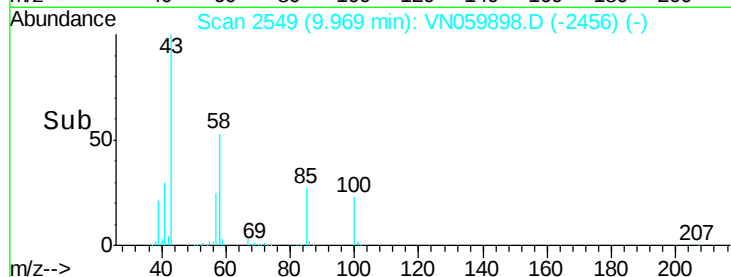
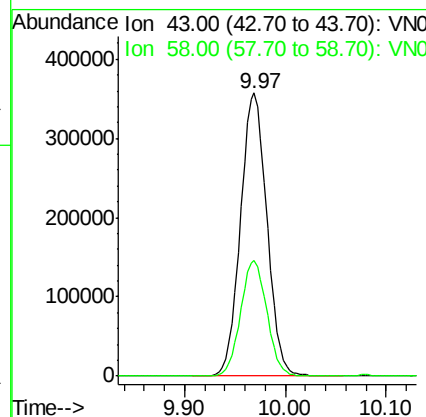
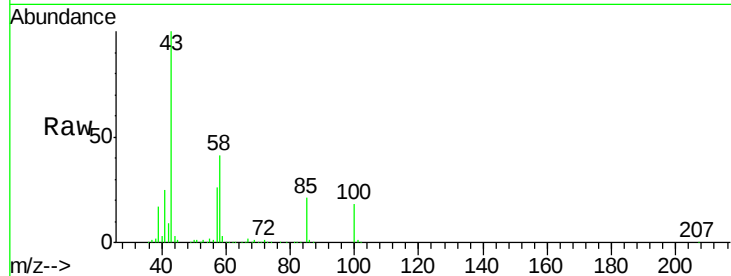
58 40.7 29.8 44.8

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#52

Toluene

Concen: 51.696 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059898.D

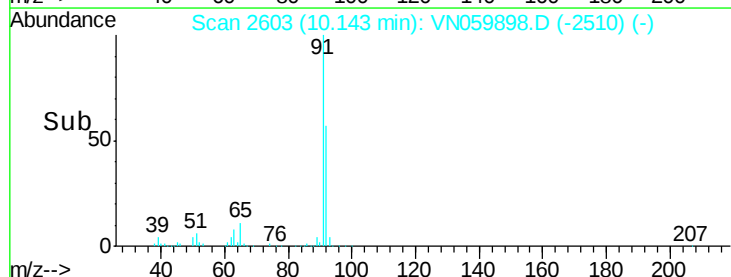
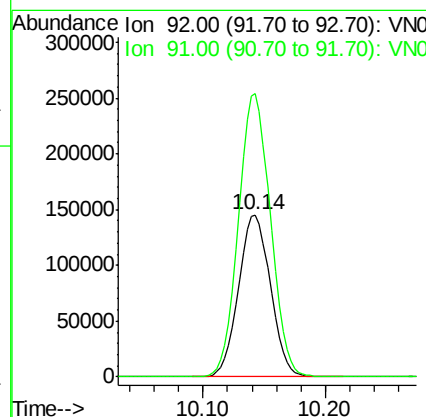
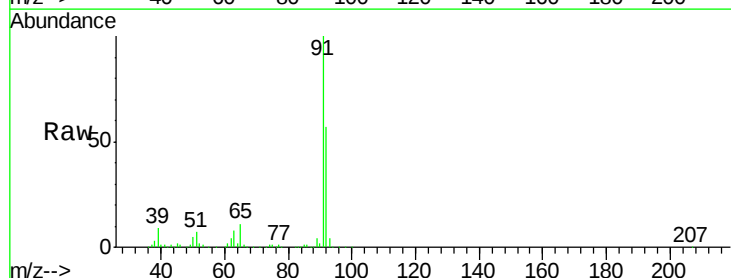
Acq: 28 Jan 2020 17:42

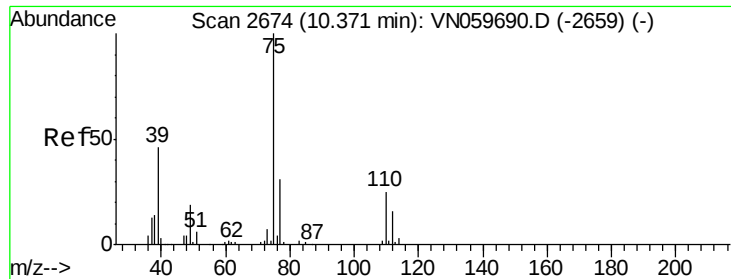
Tgt Ion: 92 Resp: 263306

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6





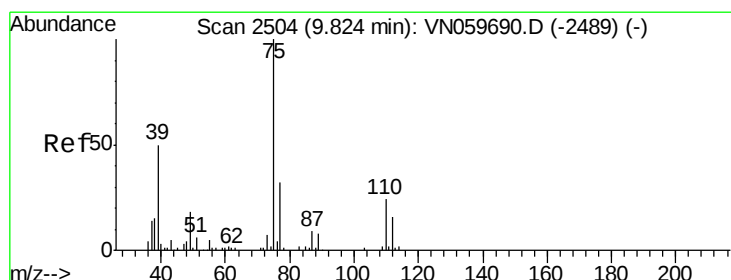
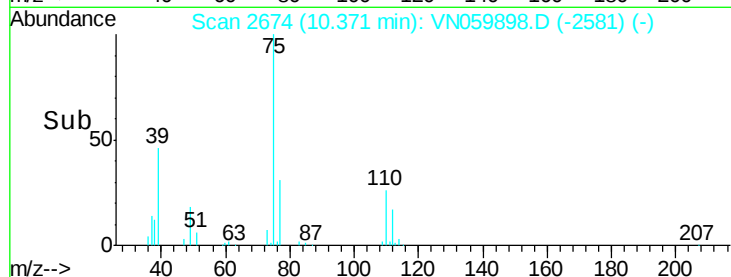
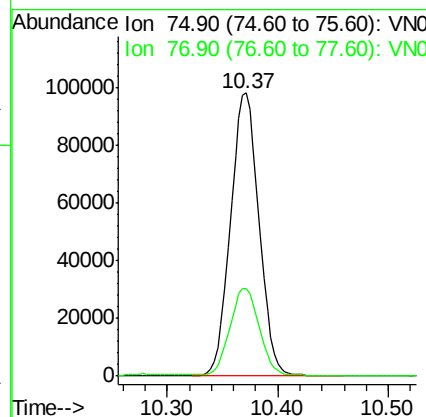
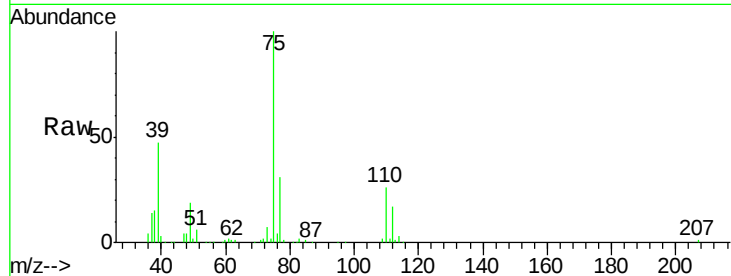
#53
t-1,3-Dichloropropene
Concen: 55.669 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 176310
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

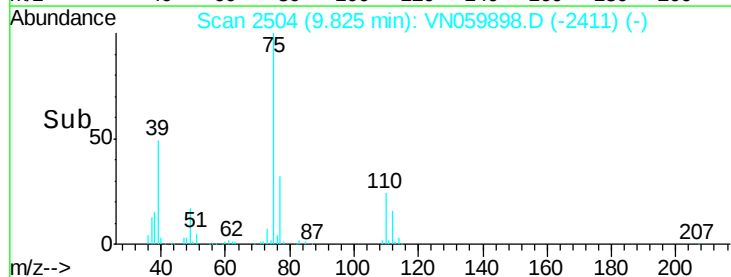
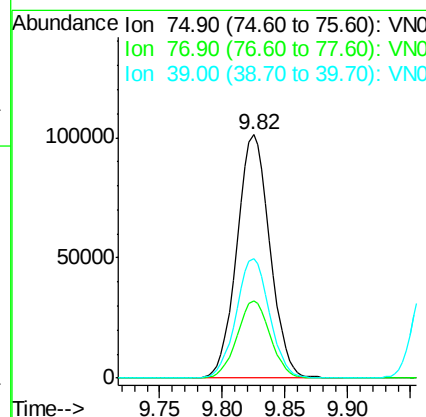
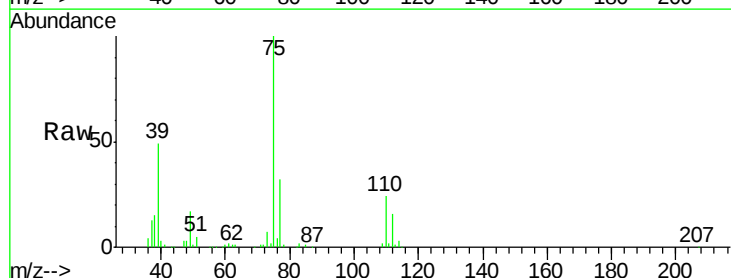
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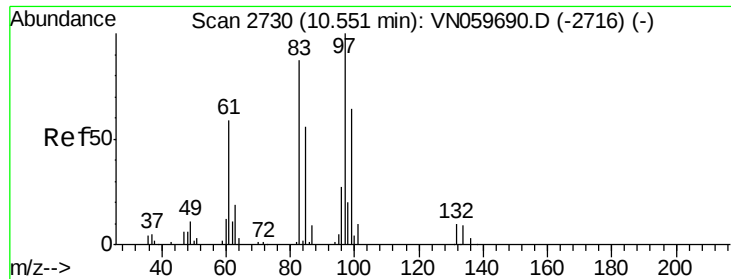
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#54
cis-1,3-Dichloropropene
Concen: 55.557 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 75 Resp: 185137
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 49.1 46.1 69.1





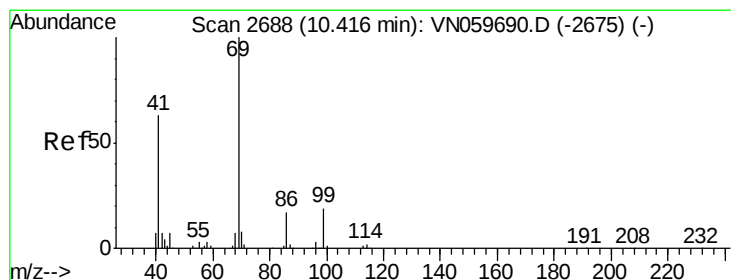
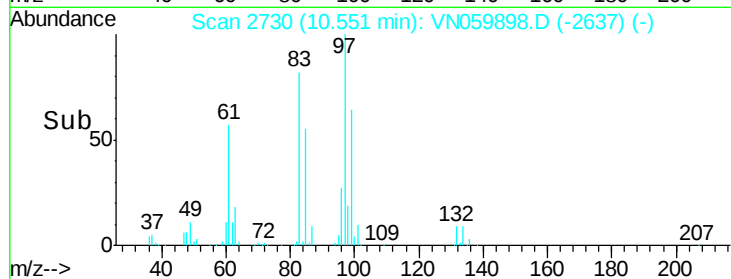
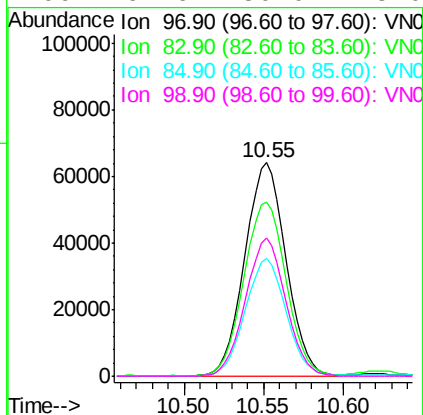
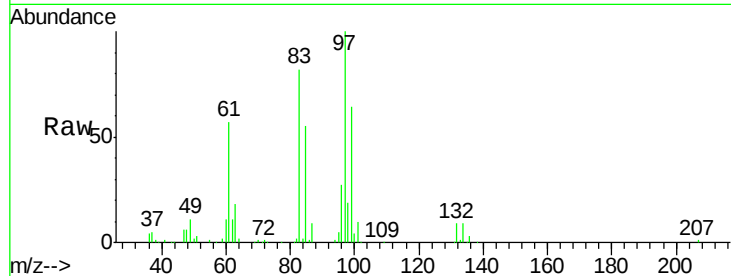
#55
 1,1,2-Trichloroethane
 Concen: 55.792 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.3	106.9
85	55.1	45.8	68.8
99	64.6	50.0	75.0

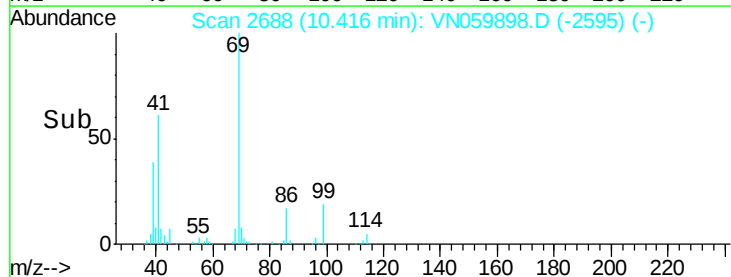
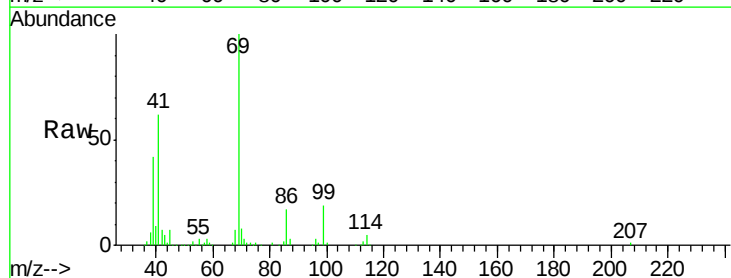
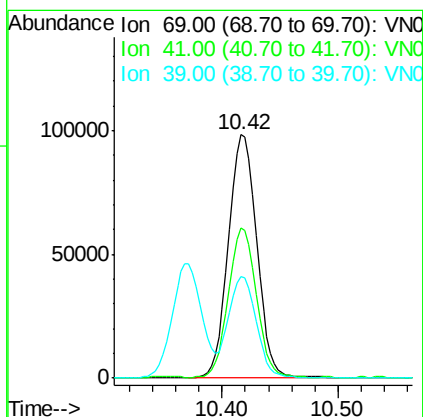
Manual Integrations
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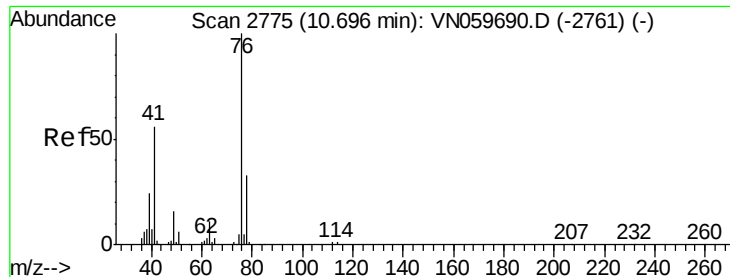
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#56
 Ethyl methacrylate
 Concen: 53.590 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	57.1	85.7
39	41.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 55.691 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 178360

Ion Ratio Lower Upper

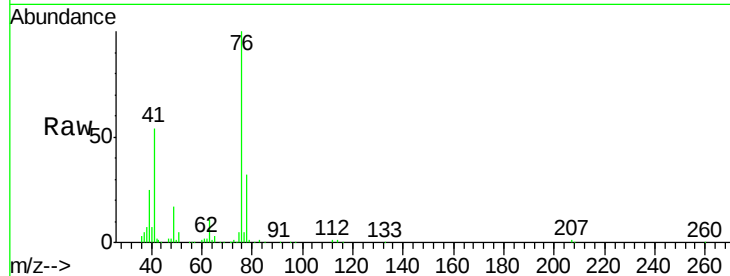
76 100

78 32.7 25.8 38.8

Manual Integrations
APPROVED

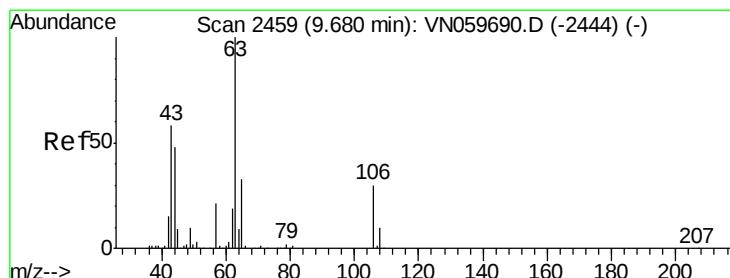
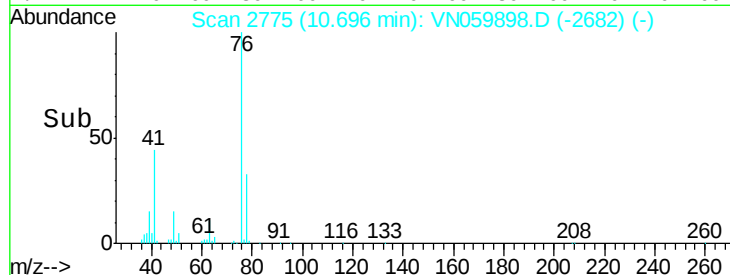
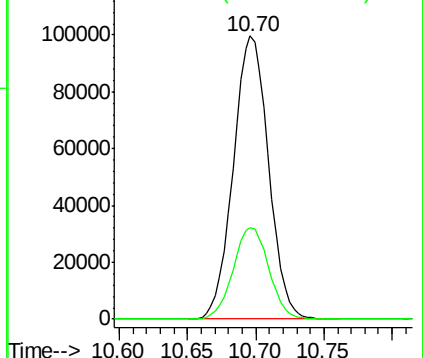
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 343.536 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059898.D

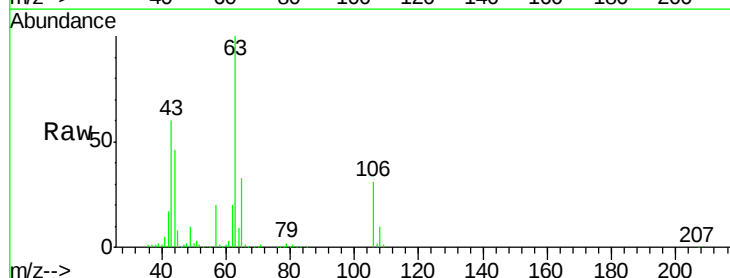
Acq: 28 Jan 2020 17:42

Tgt Ion: 63 Resp: 318948

Ion Ratio Lower Upper

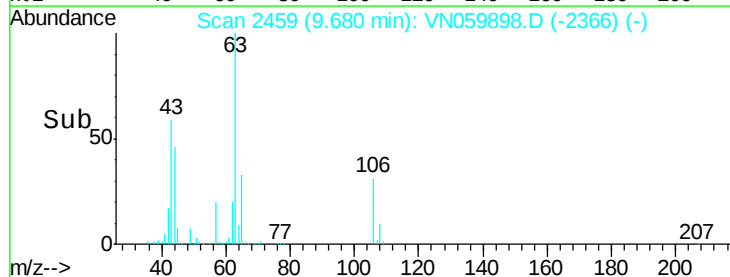
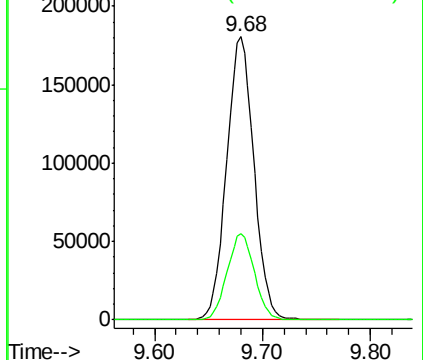
63 100

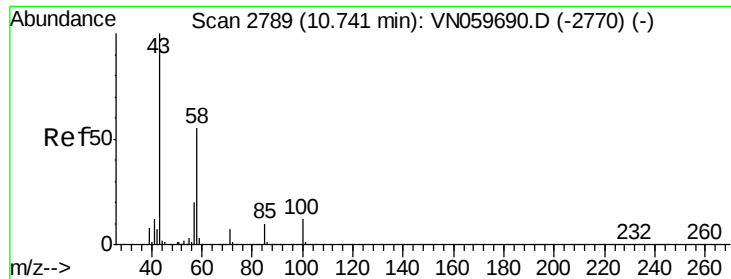
106 30.4 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





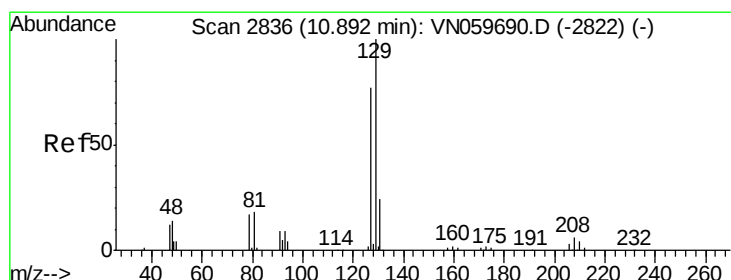
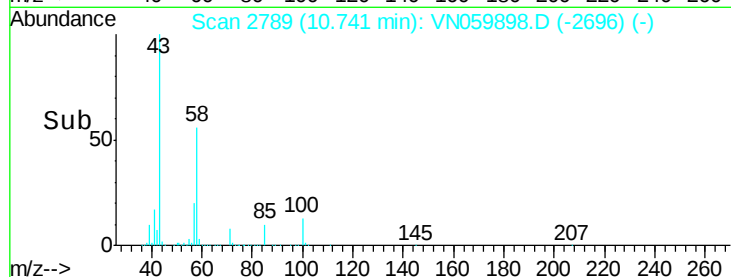
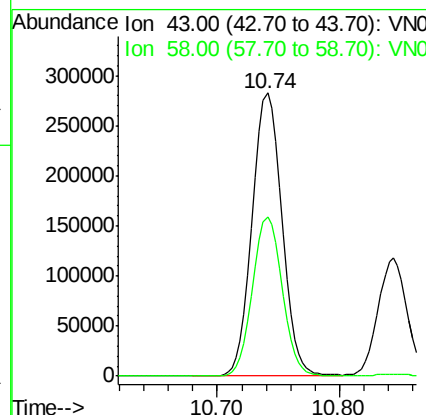
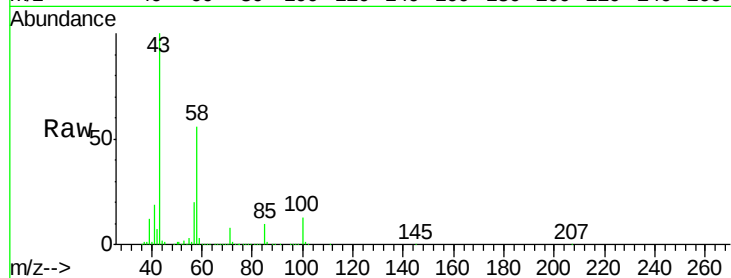
#59
2-Hexanone
Concen: 255.634 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 474858
Ion Ratio Lower Upper
43 100
58 56.2 25.8 77.3

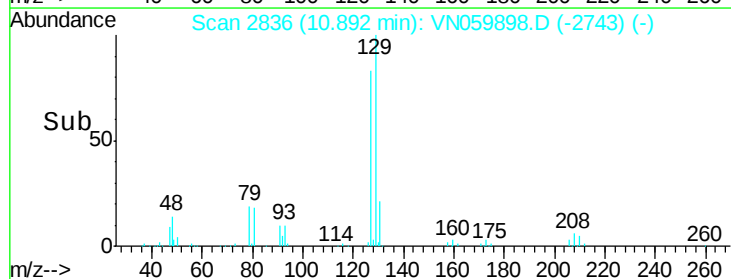
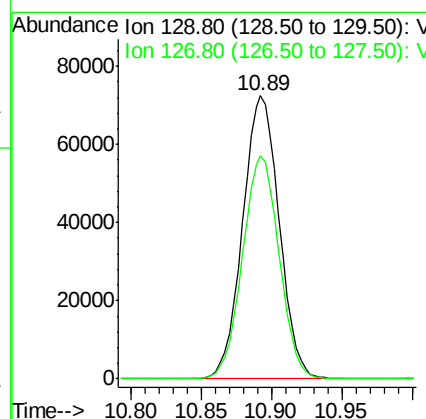
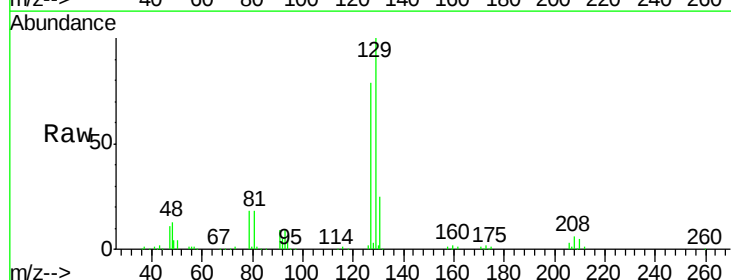
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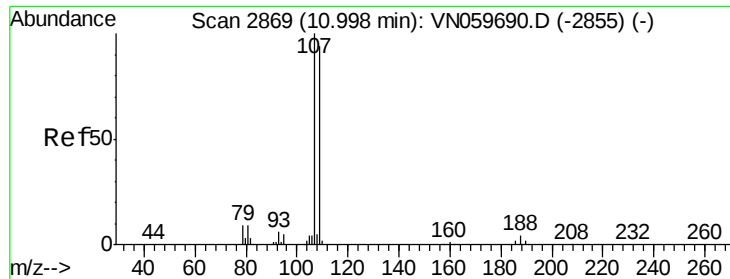
MMDadoda
1/29/2020 11:04:25 AM



#60
Dibromochloromethane
Concen: 57.319 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion: 129 Resp: 131673
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5





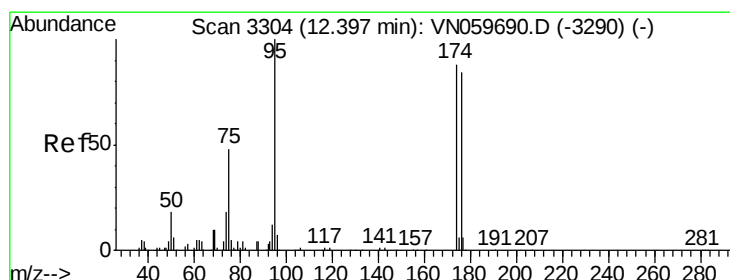
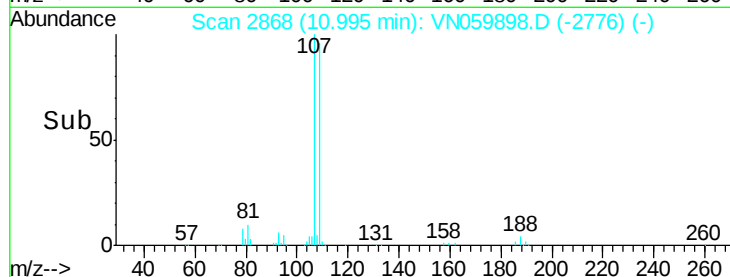
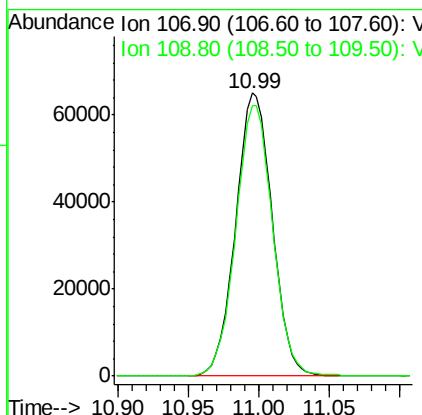
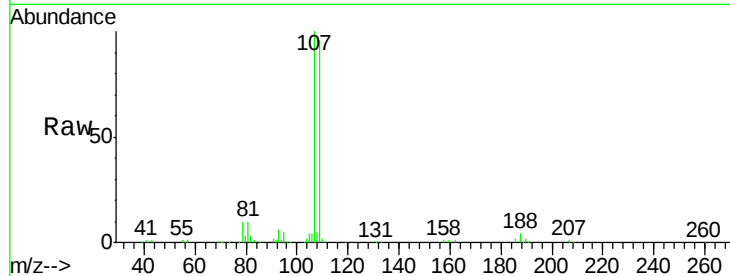
#61
 1,2-Dibromoethane
 Concen: 55.869 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 118126
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.6 115.0

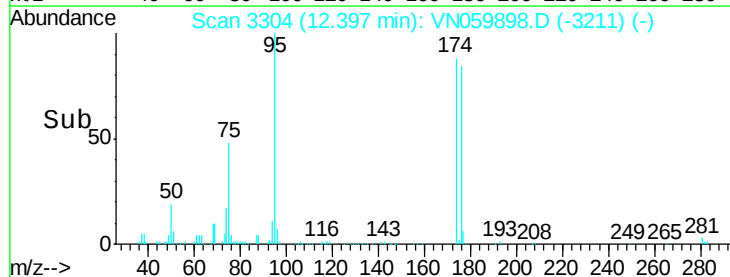
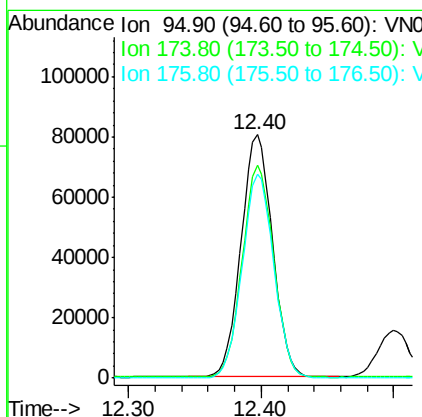
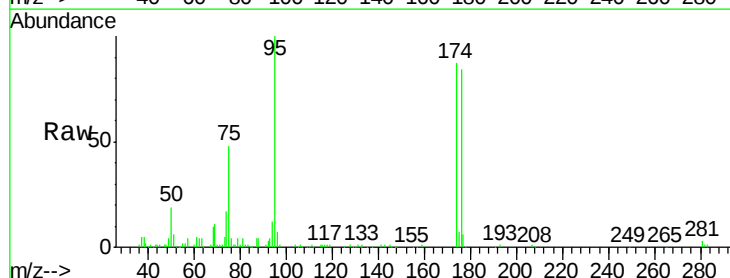
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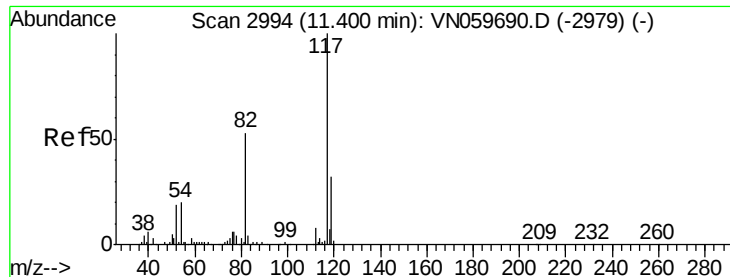
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 1/29/2020 11:04:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.368 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion: 95 Resp: 132845
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 151.4
 176 84.6 0.0 146.0





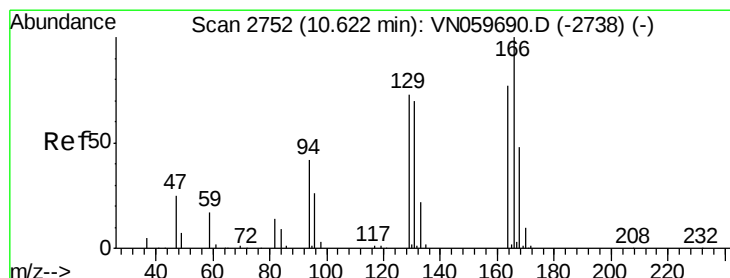
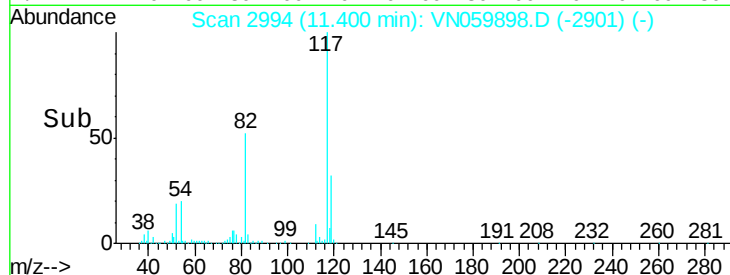
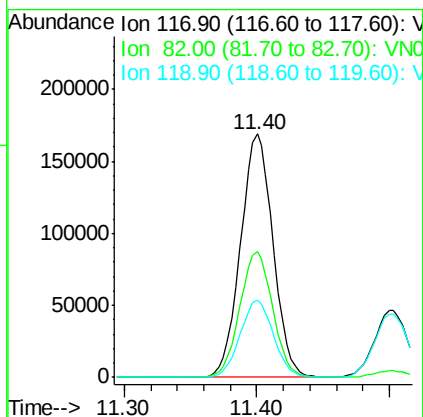
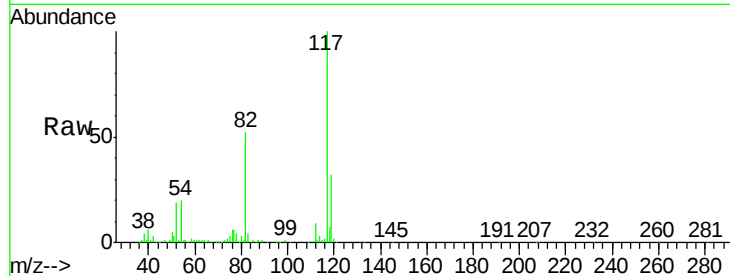
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286669		
82	51.5		45.9	68.9
119	31.8		25.5	38.3

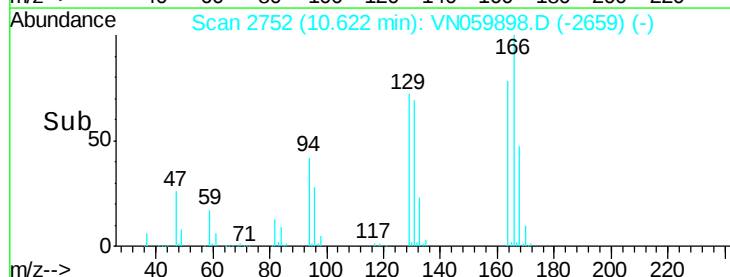
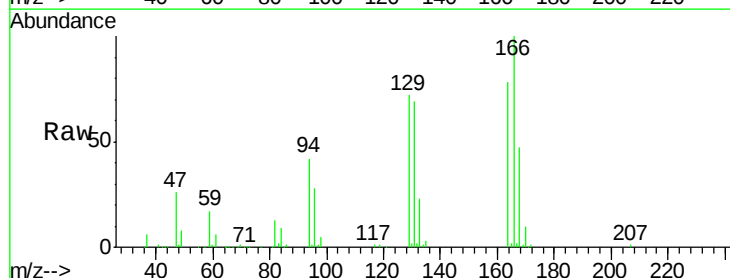
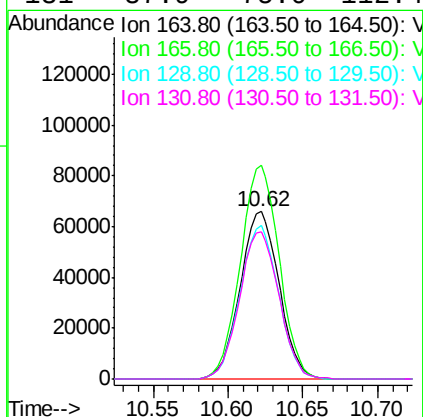
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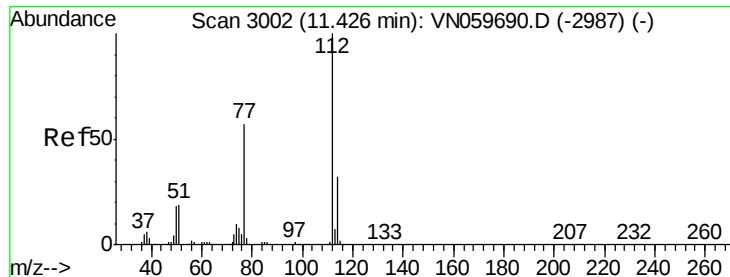
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#64
Tetrachloroethene
Concen: 51.046 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119262		
166	127.8		101.4	152.0
129	91.8		80.2	120.4
131	87.9		75.0	112.4





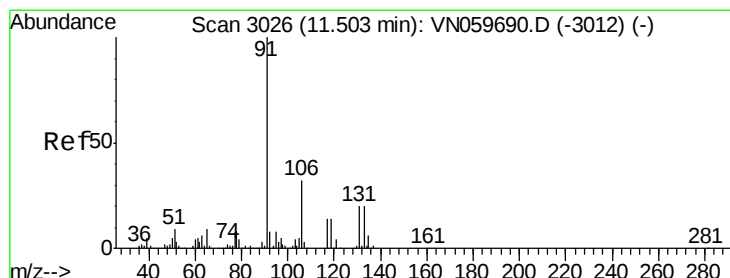
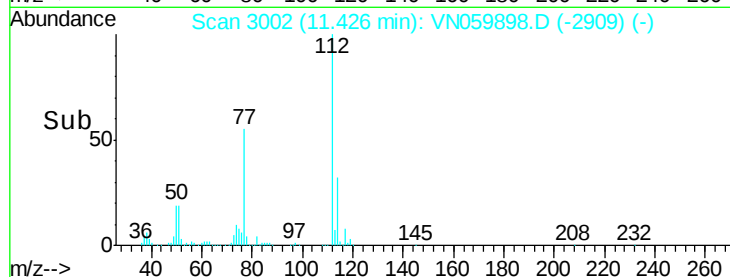
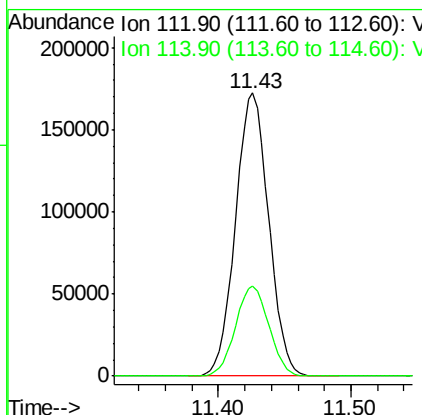
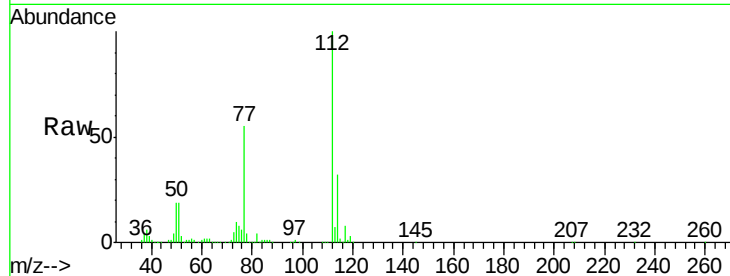
#65
Chlorobenzene
Concen: 53.153 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.8

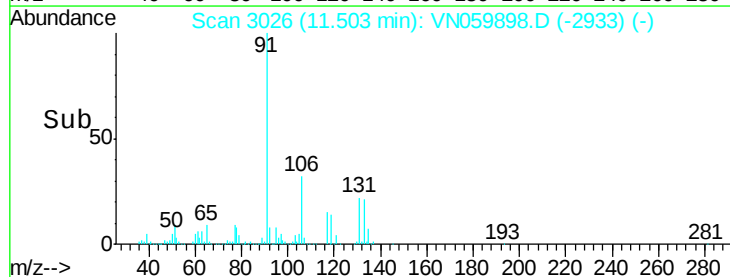
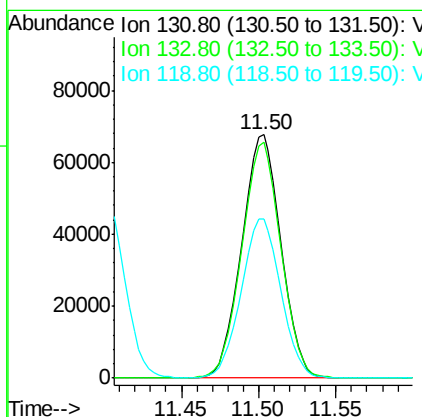
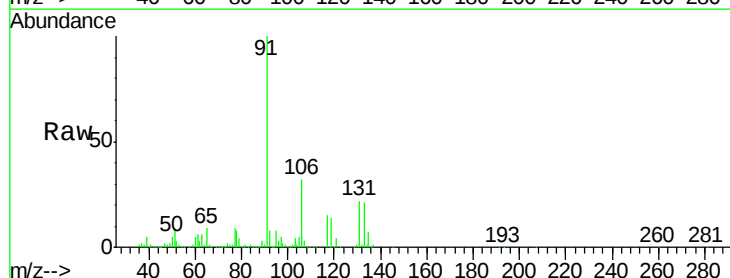
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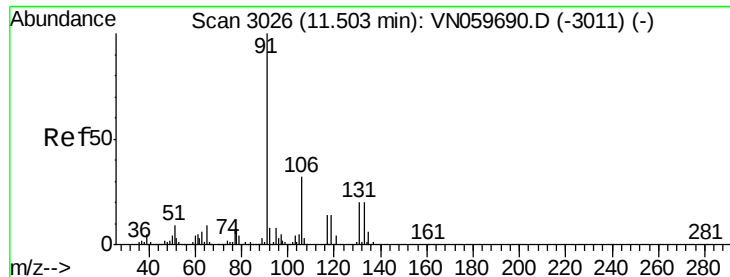
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.909 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.4	142.2
119	66.3	33.1	99.3





#67

Ethyl Benzene

Concen: 50.983 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 521478

Ion Ratio Lower Upper

91 100

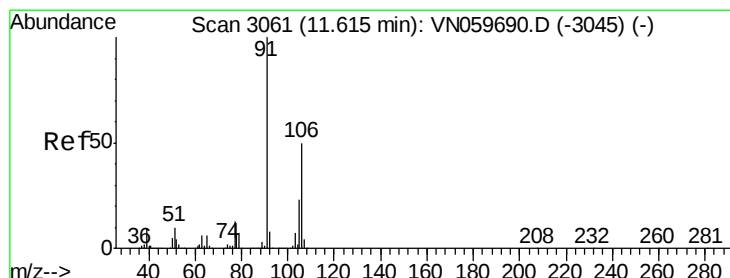
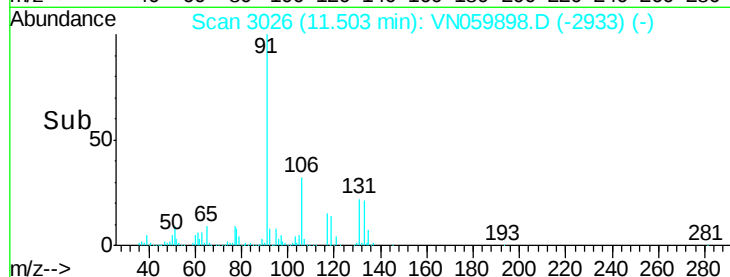
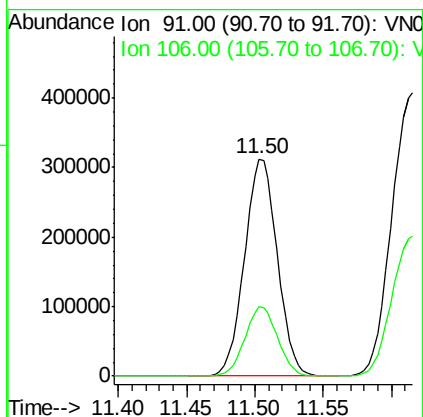
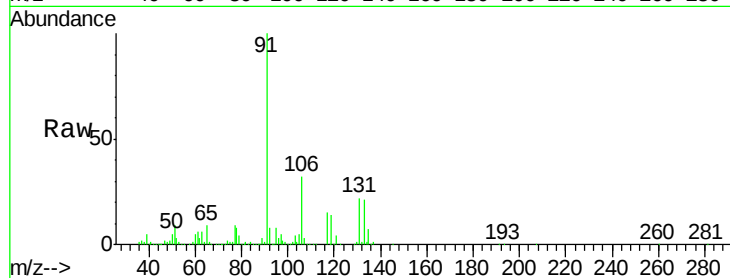
106 31.8 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.544 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059898.D

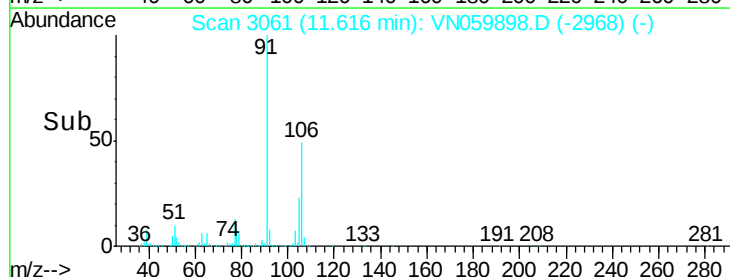
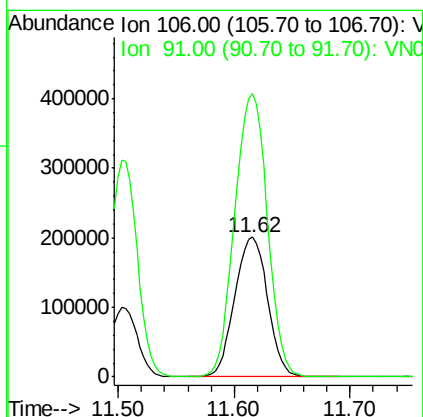
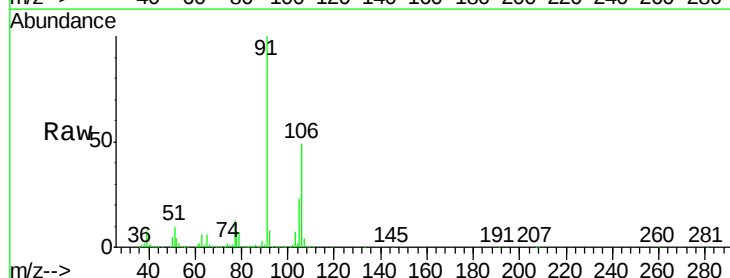
Acq: 28 Jan 2020 17:42

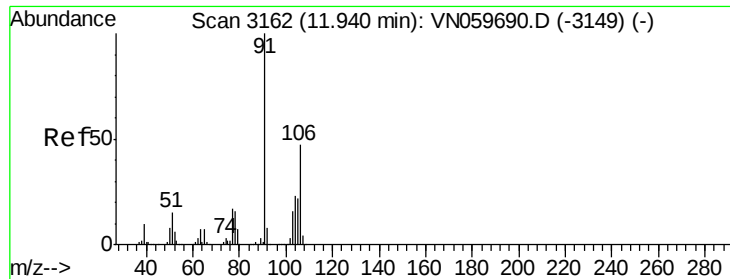
Tgt Ion: 106 Resp: 396205

Ion Ratio Lower Upper

106 100

91 200.9 167.9 251.9





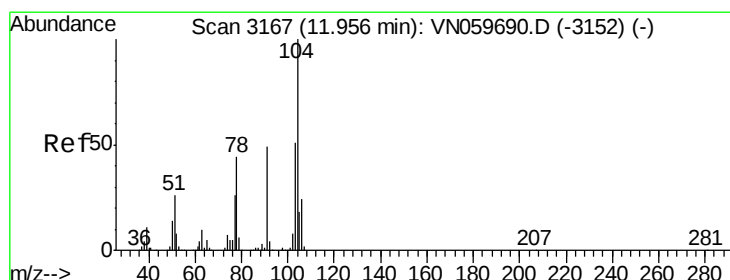
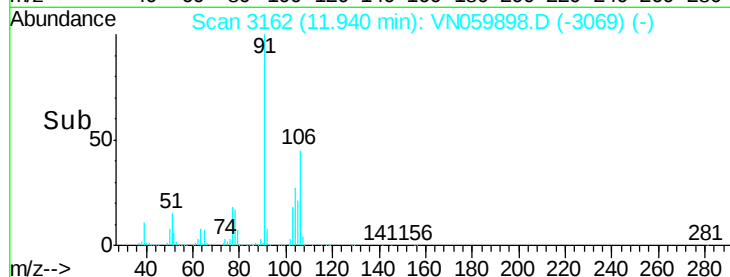
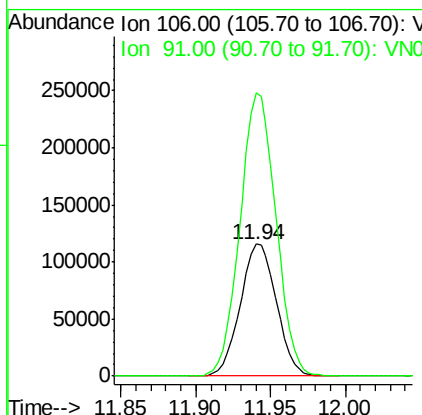
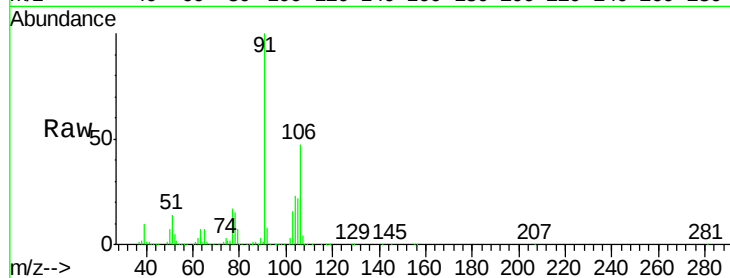
#69
o-Xylene
Concen: 51.425 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.9	110.3	194522	330.9	

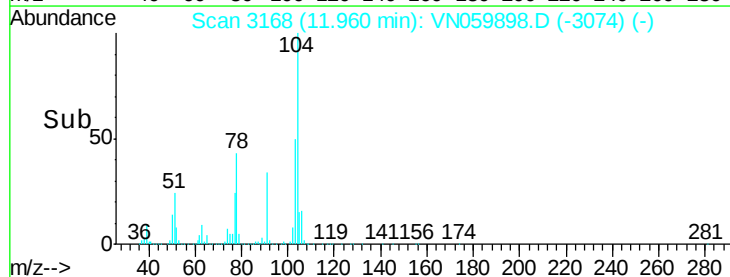
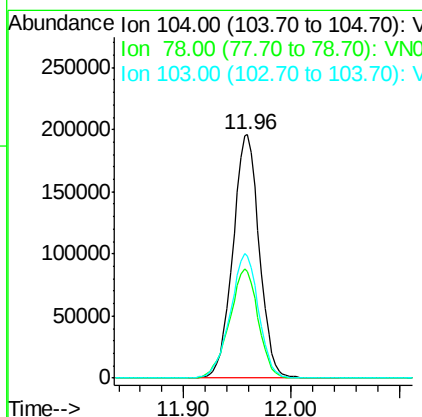
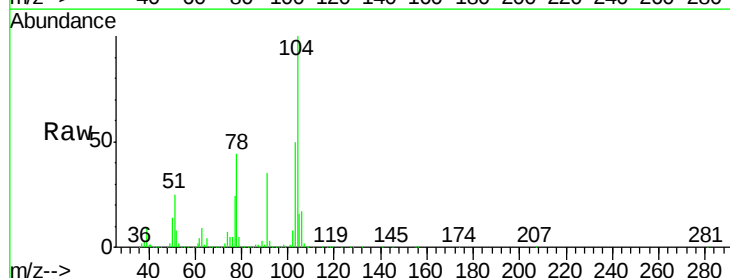
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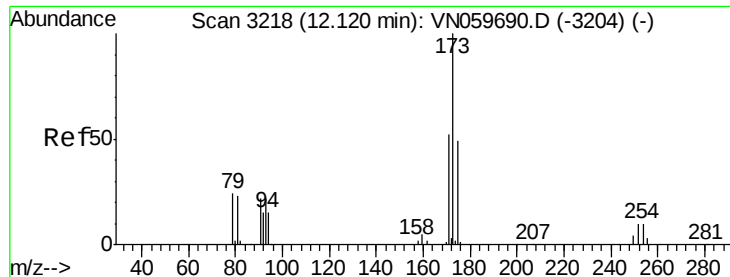
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#70
Styrene
Concen: 52.839 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.9	42.4	334455	63.6	
103	54.8	43.9		65.9	





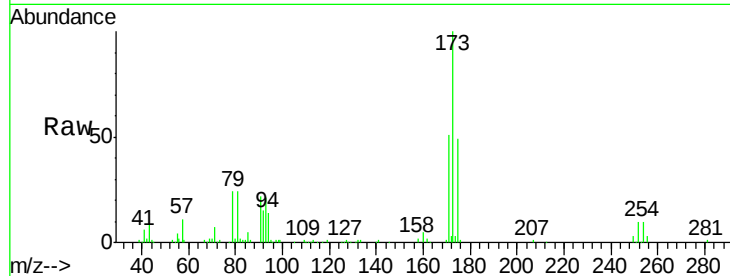
#71
Bromoform
Concen: 58.981 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

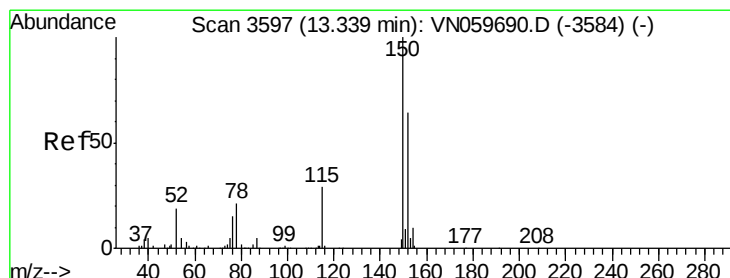
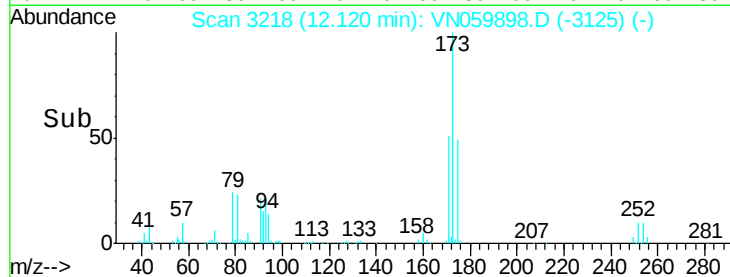
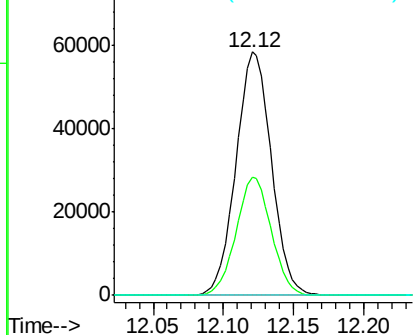
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.4
254	0.0	0.0	0.0

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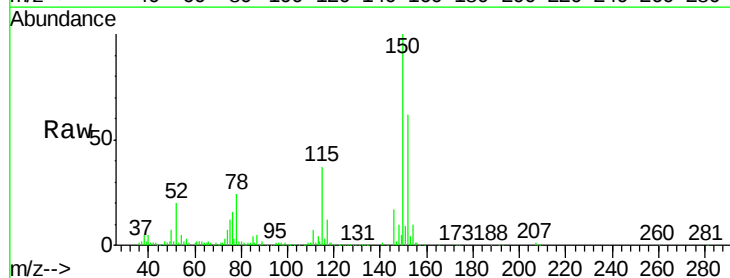


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

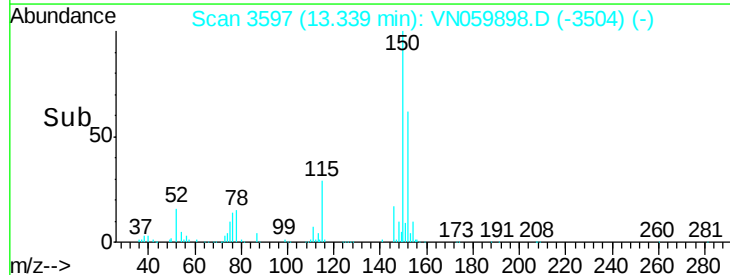
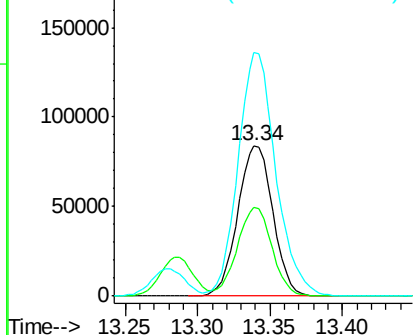


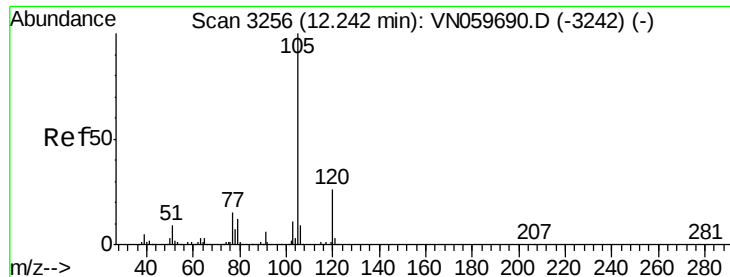
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	30.3	90.9
150	173.7	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: 49.631 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 516248

Ion Ratio Lower Upper

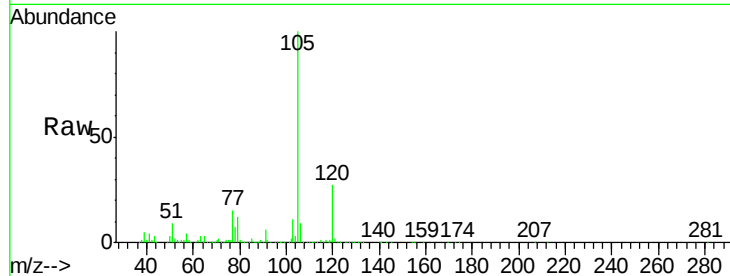
105 100

120 27.1 13.2 39.5

Manual Integrations
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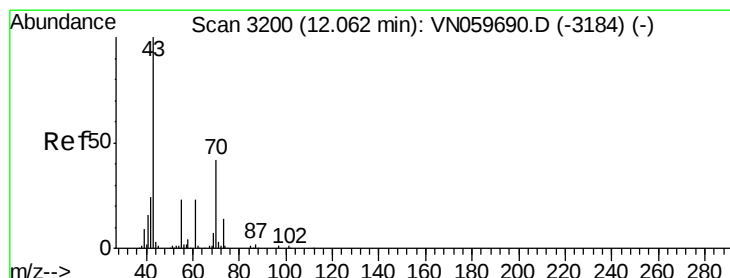
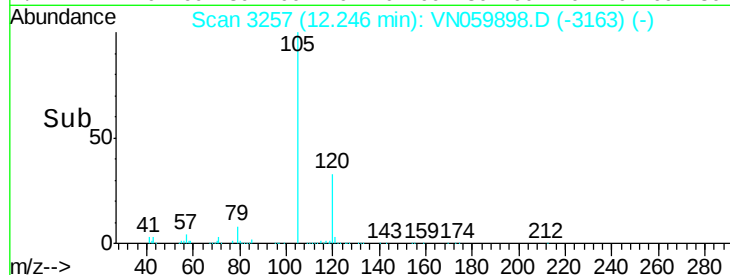
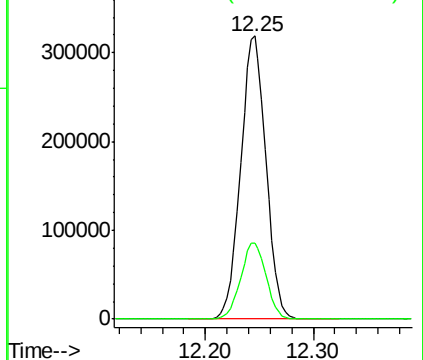
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.711 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion: 43 Resp: 200642

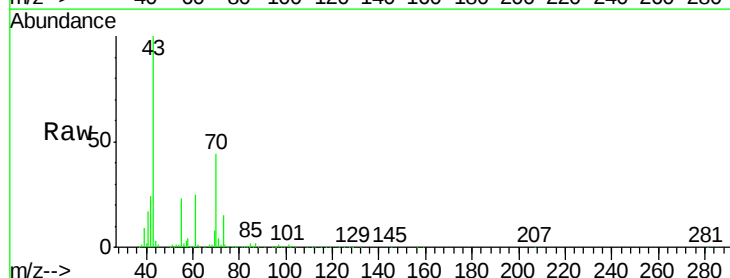
Ion Ratio Lower Upper

43 100

70 43.4 31.3 46.9

55 23.0 19.8 29.6

61 24.5 18.3 27.5

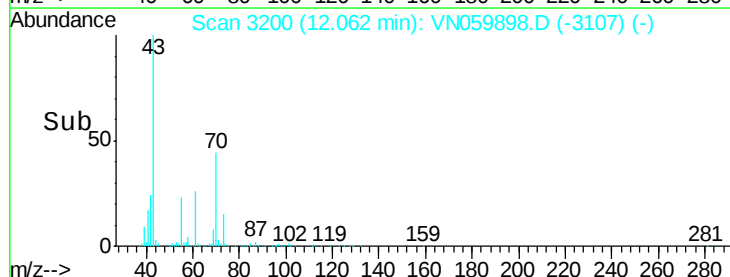
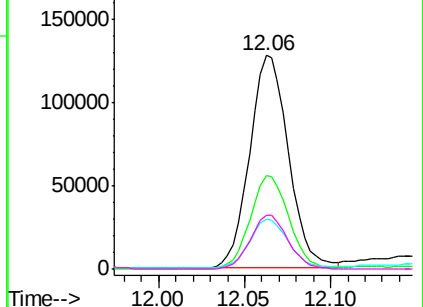


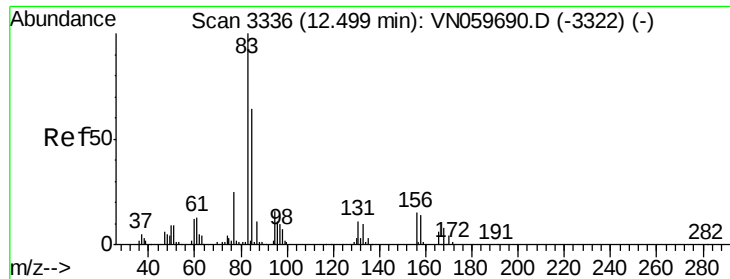
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.674 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

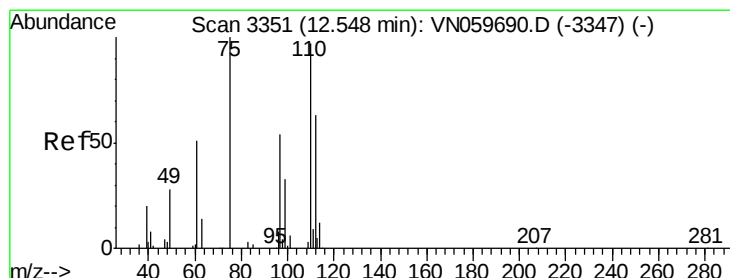
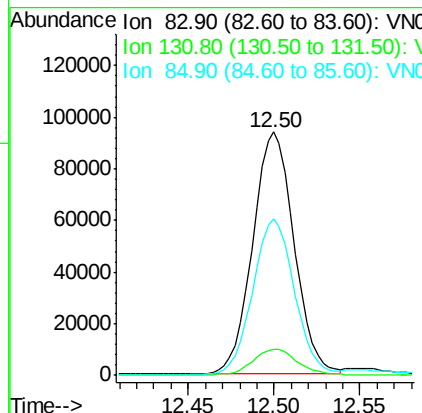
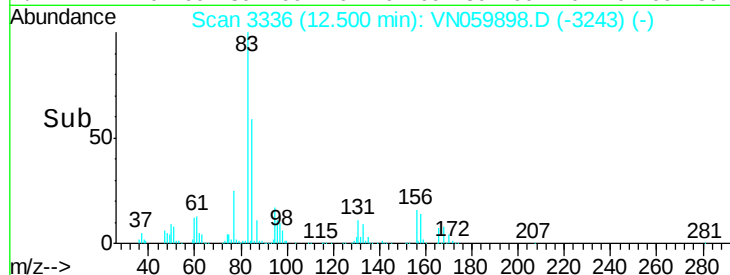
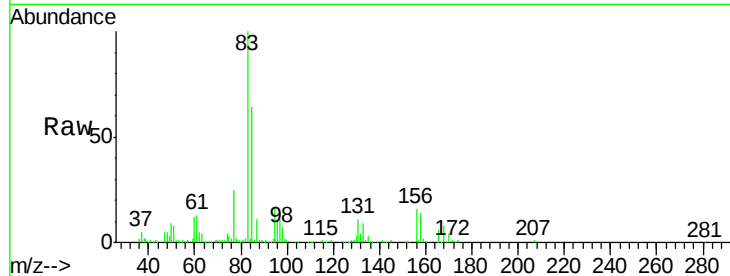
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155821
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.0	14.9
85	64.9	31.9	95.5

Manual Integrations
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1/29/2020 11:04:25 AM



#76

1,2,3-Trichloropropane

Concen: 60.263 ug/l m

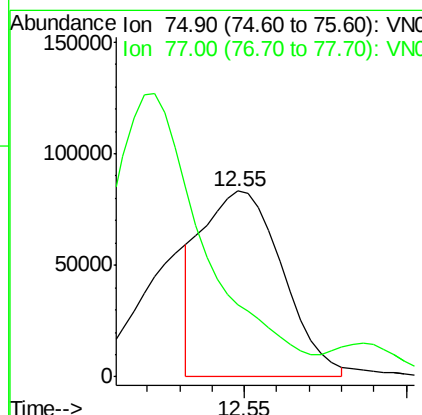
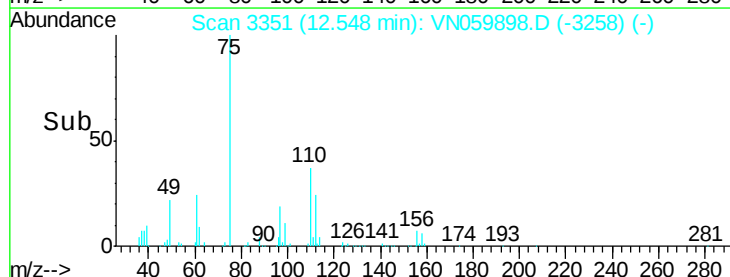
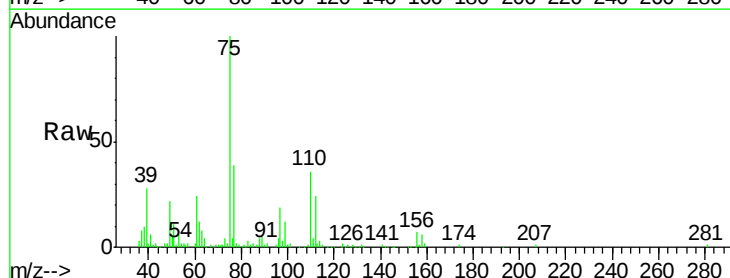
RT: 12.55 min Scan# 3351

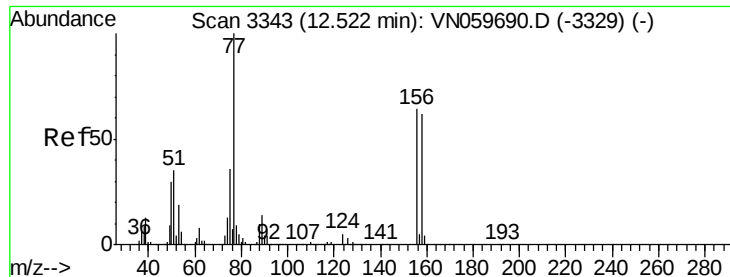
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion:	75	Resp:	143839
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.593 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

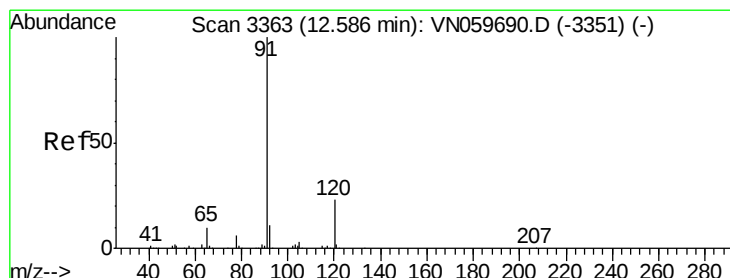
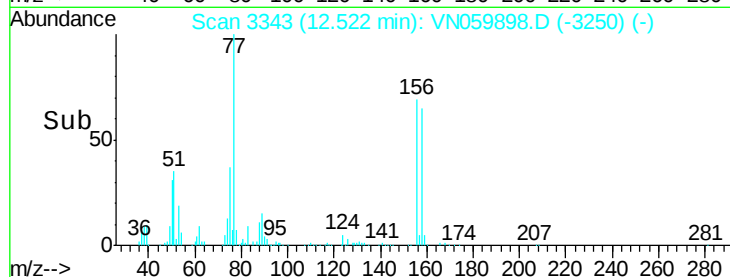
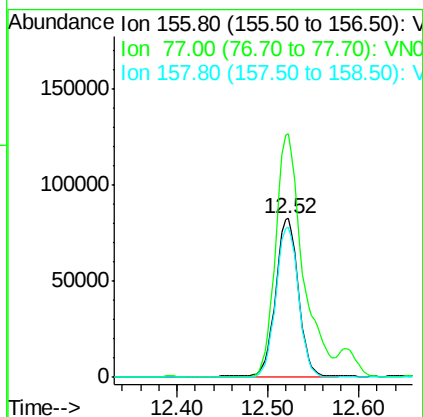
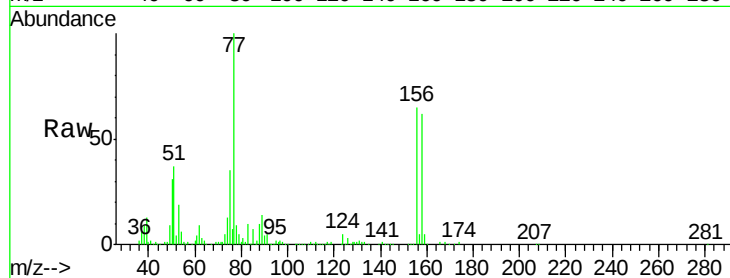
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	178.4	115.8	347.4	
158	92.4	49.2	147.6	

Manual Integrations
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1/29/2020 11:04:25 AM



#78

n-propylbenzene

Concen: 49.721 ug/l

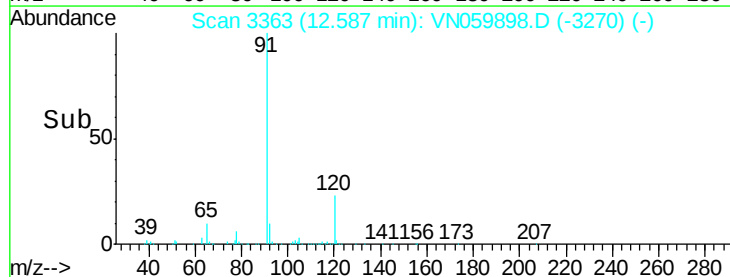
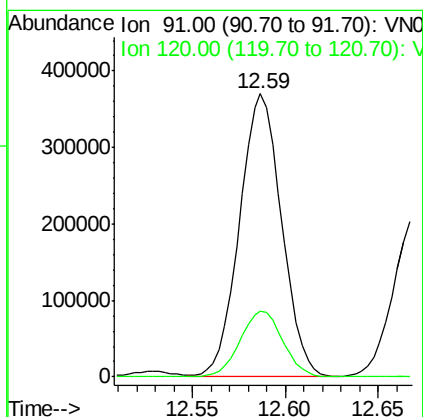
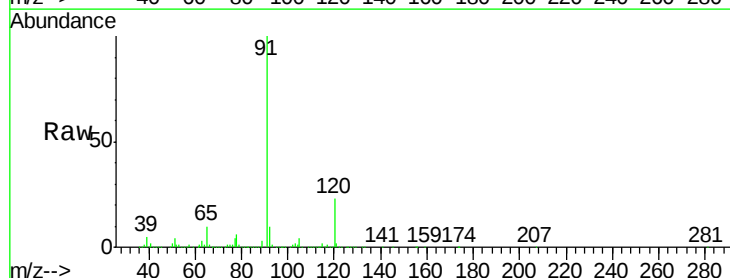
RT: 12.59 min Scan# 3363

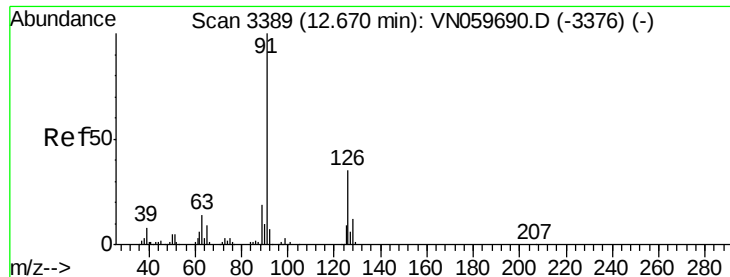
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.1	33.3	





#79

2-Chlorotoluene

Concen: 50.027 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 347459

Ion Ratio Lower Upper

91 100

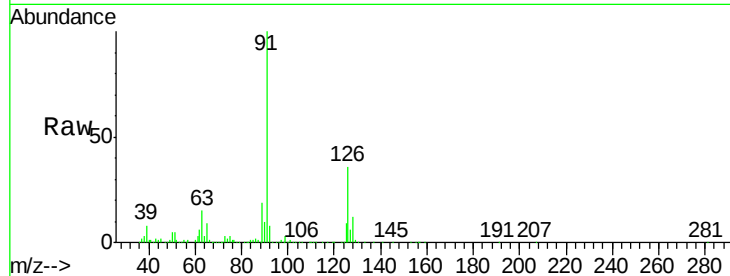
126 35.7 16.3 48.9

Manual Integrations

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MMDadoda

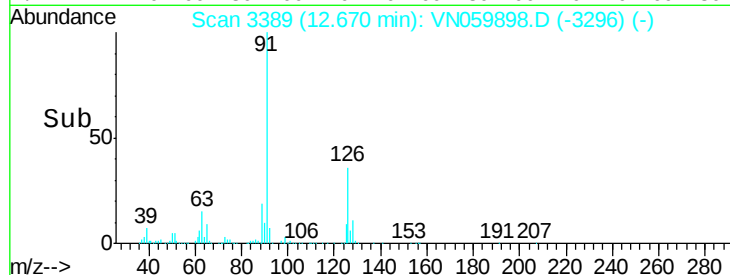
1/29/2020 11:04:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)

Time-->

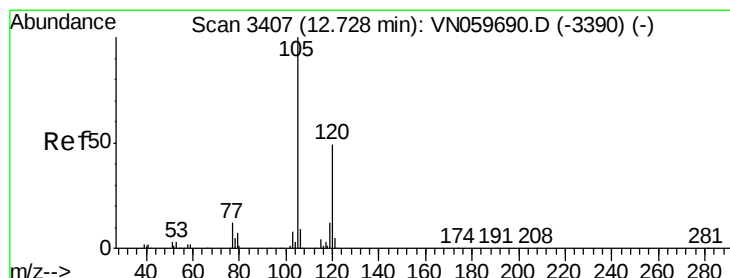


Abundance

Ion 91.00 (90.70 to 91.70): VN059898.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059898.D (-3296) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.396 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059898.D

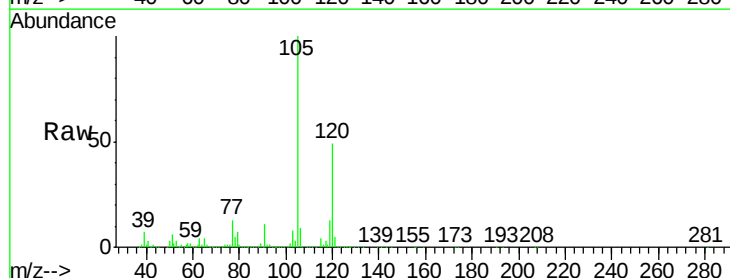
Acq: 28 Jan 2020 17:42

Tgt Ion: 105 Resp: 432105

Ion Ratio Lower Upper

105 100

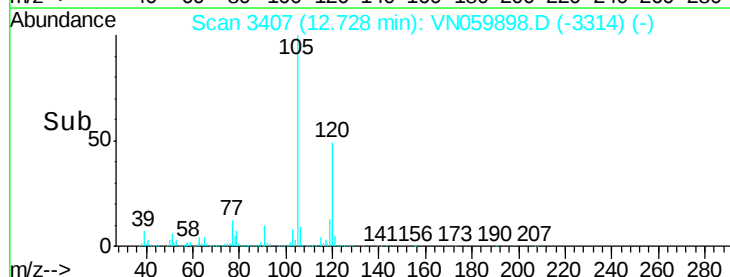
120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)

Time-->

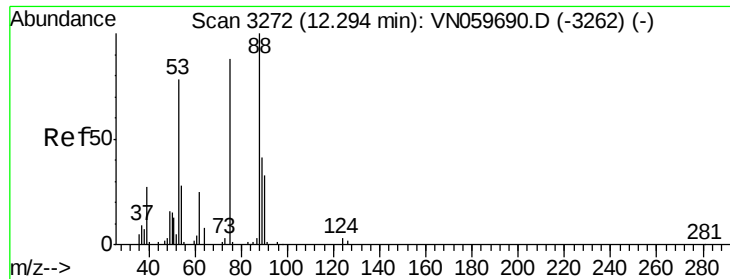


Abundance

Ion 105.00 (104.70 to 105.70): VN059898.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059898.D (-3314) (-)

Time-->



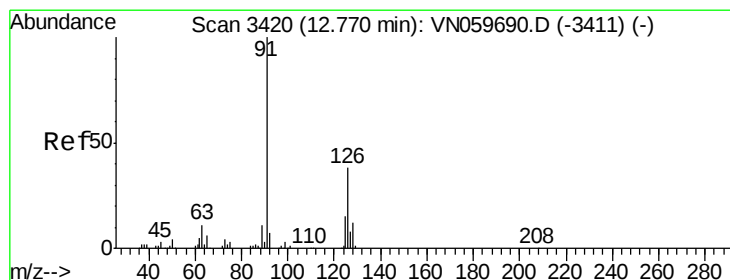
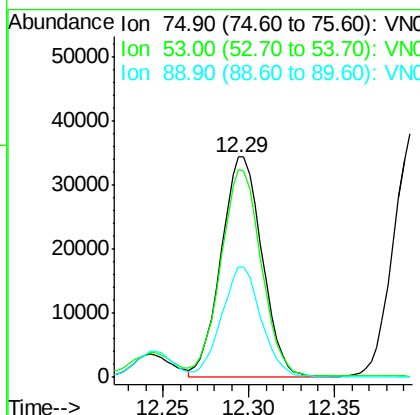
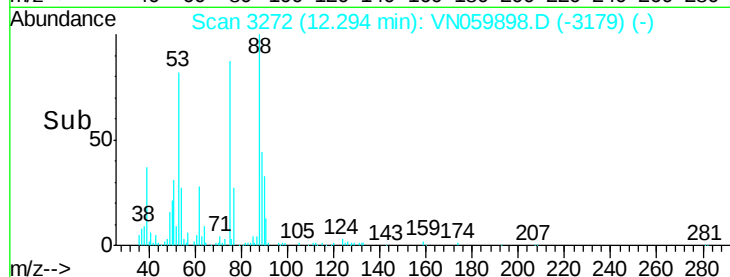
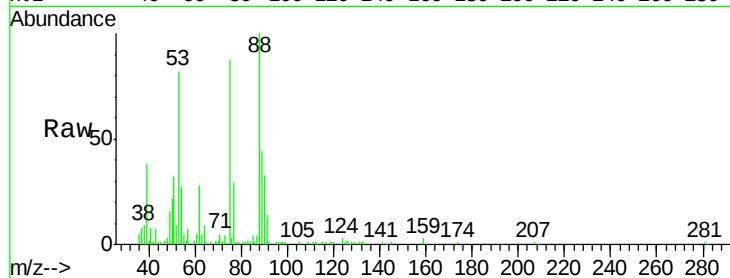
#81
trans-1,4-Dichloro-2-butene
Concen: 51.846 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	78.1	117.1
89	48.5	35.4	53.2

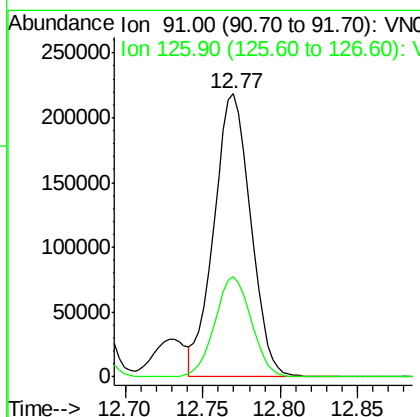
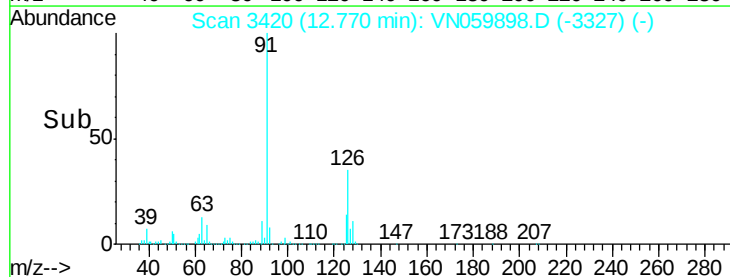
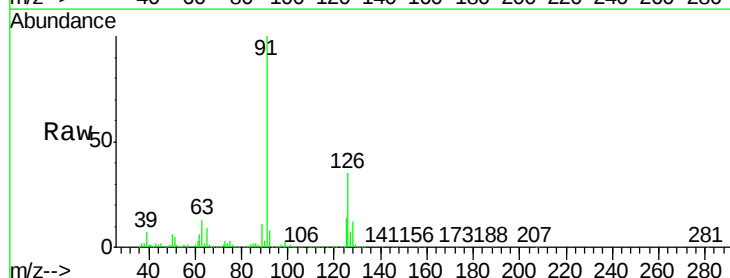
Manual Integrations
APPROVED

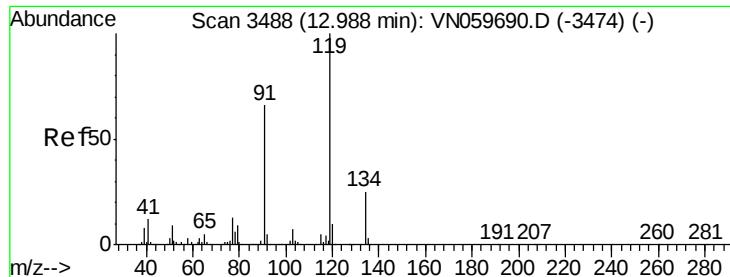
MMDadoda
1/29/2020 11:04:25 AM



#82
4-Chlorotoluene
Concen: 51.544 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 48.052 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

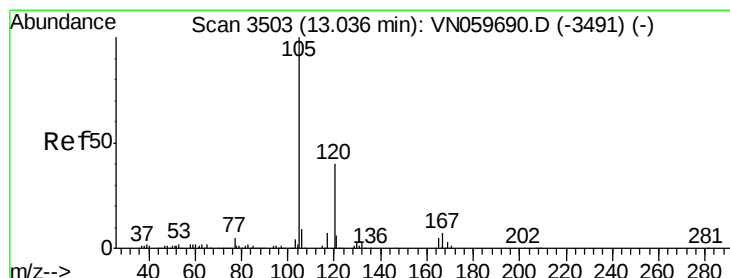
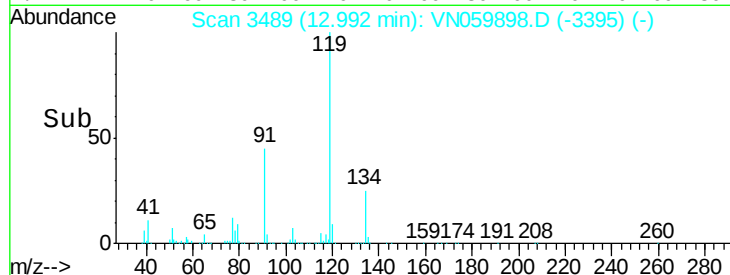
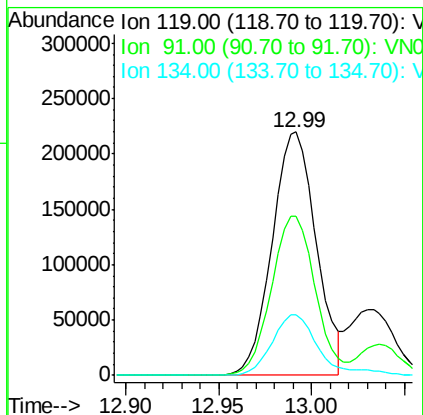
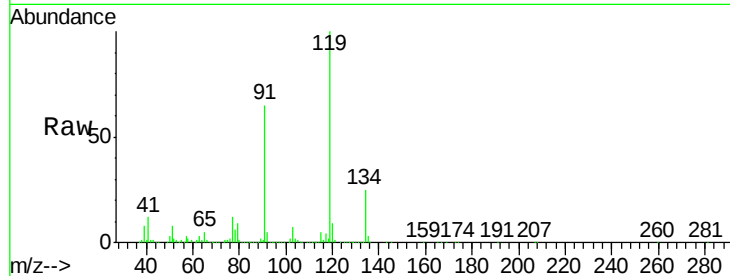
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	363554
Ion Ratio	Lower	Upper	
119	100		
91	64.5	34.8	104.4
134	26.4	12.3	36.9

Manual Integrations
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1/29/2020 11:04:25 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.450 ug/l

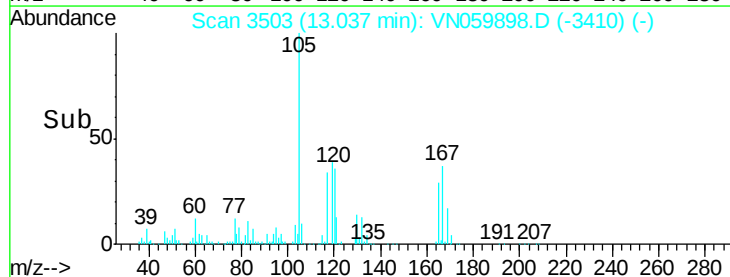
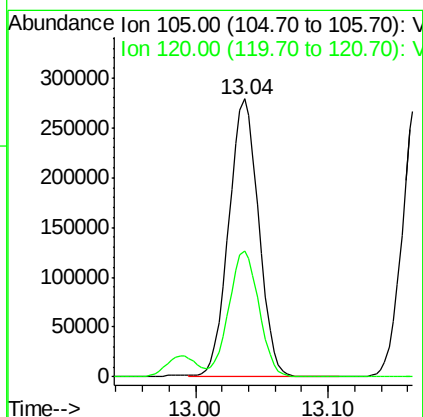
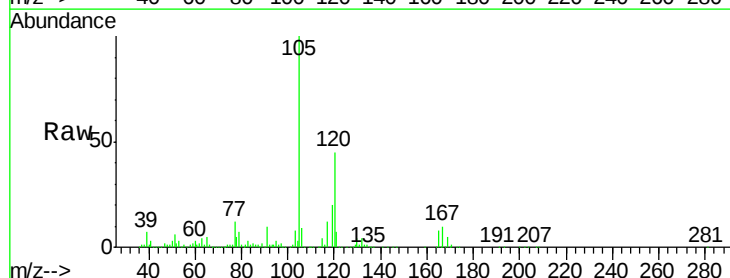
RT: 13.04 min Scan# 3503

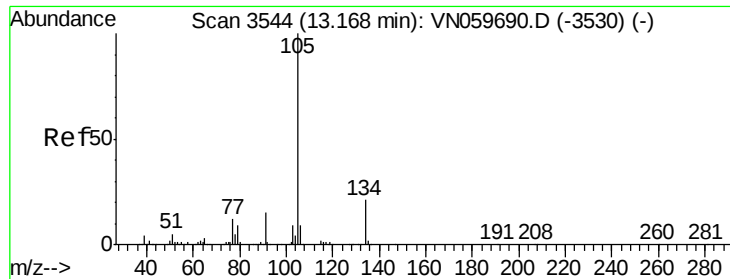
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion:	105	Resp:	436616
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 47.878 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 475921

Ion Ratio Lower Upper

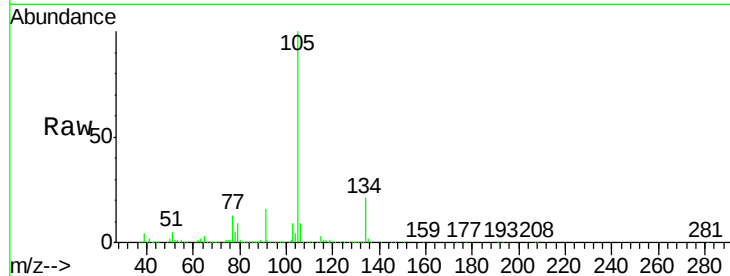
105 100

134 20.6 9.8 29.5

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

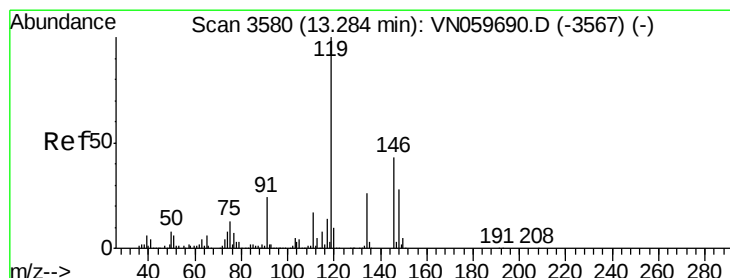
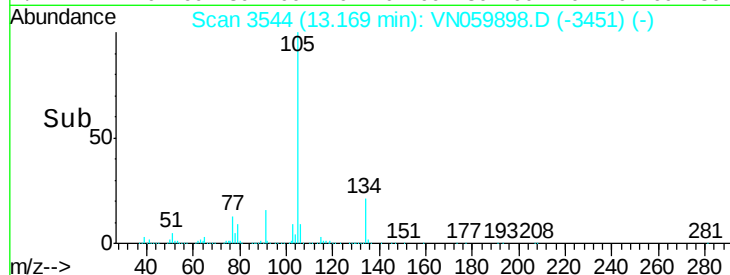
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.268 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

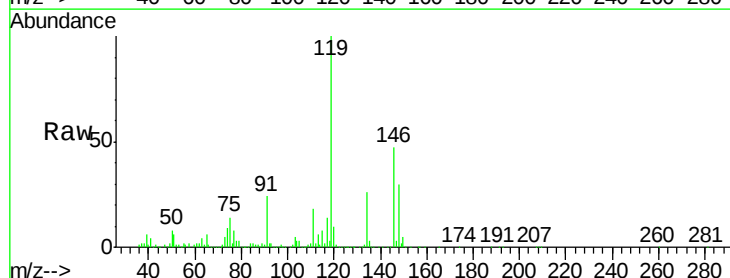
Tgt Ion:119 Resp: 443960

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

91 23.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

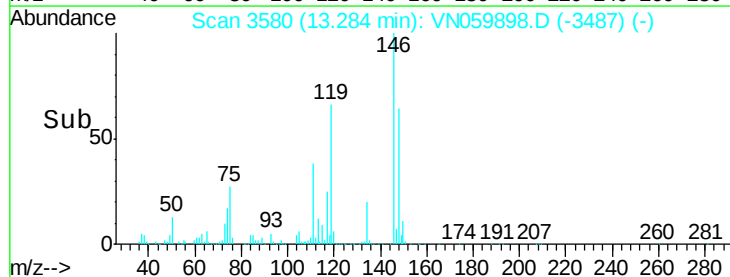
300000

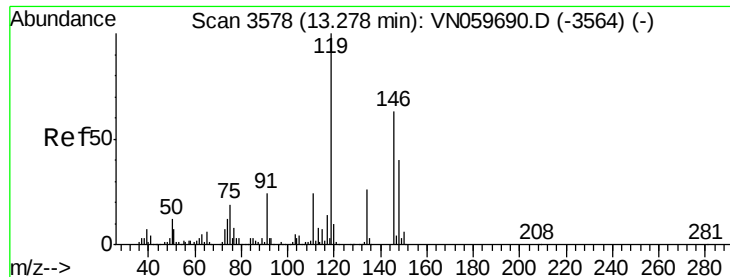
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.134 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Instrument :

MSVOA_N

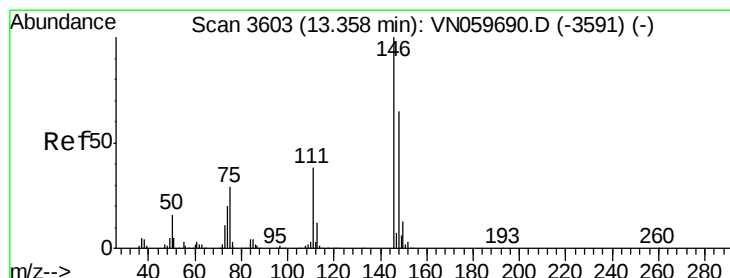
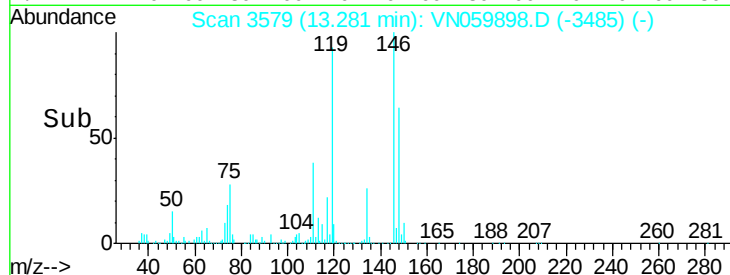
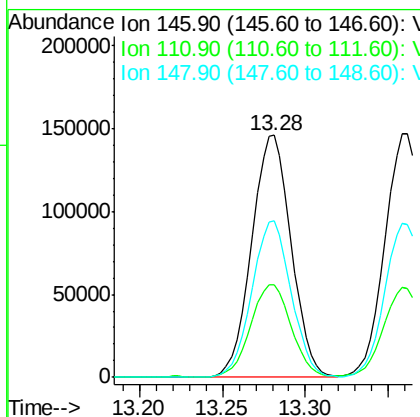
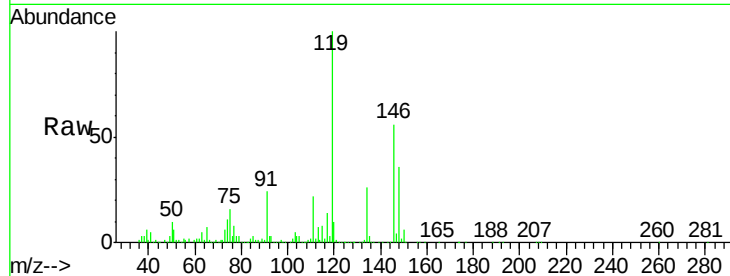
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	243122
Ion Ratio	Lower	Upper	
146	100		
111	38.7	20.8	62.2
148	64.0	32.0	96.0

Manual Integrations
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1/29/2020 11:04:25 AM



#88

1,4-Dichlorobenzene

Concen: 53.104 ug/l

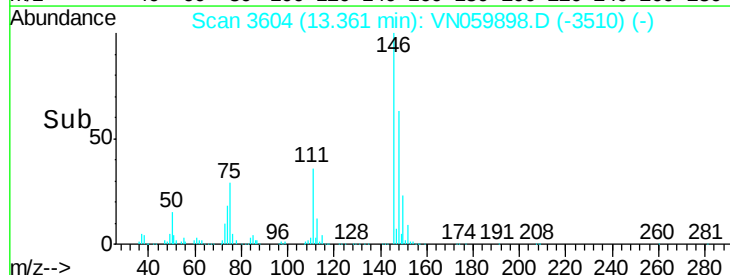
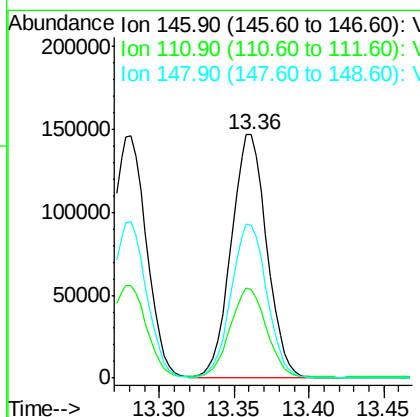
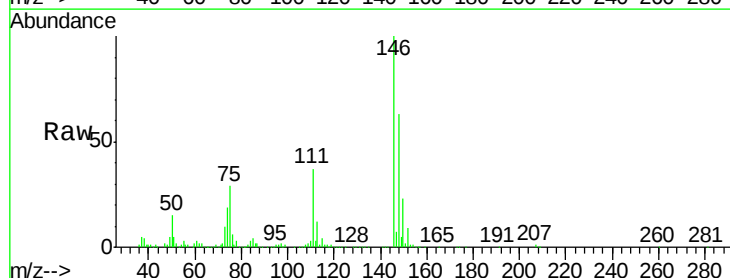
RT: 13.36 min Scan# 3604

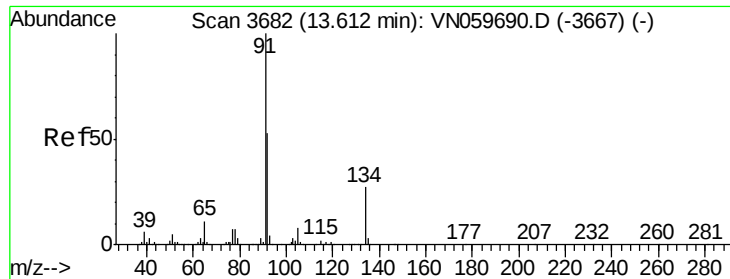
Delta R.T. 0.00 min

Lab File: VN059898.D

Acq: 28 Jan 2020 17:42

Tgt Ion:	146	Resp:	242402
Ion Ratio	Lower	Upper	
146	100		
111	37.1	20.8	62.2
148	63.6	31.8	95.4





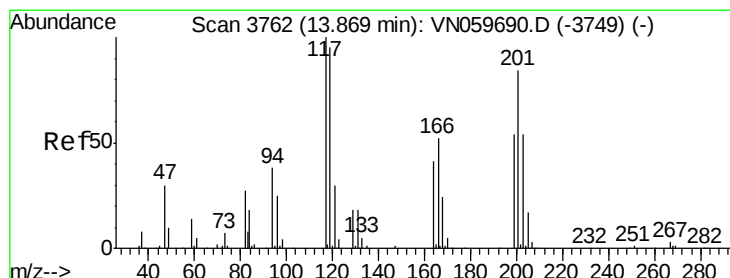
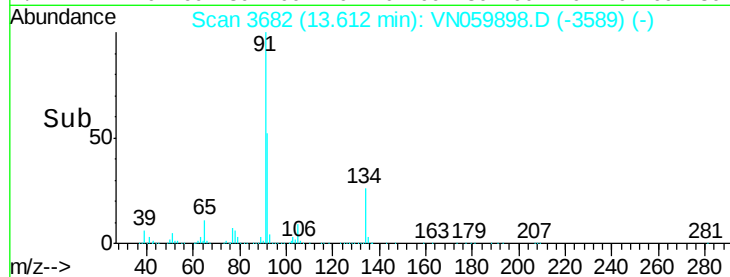
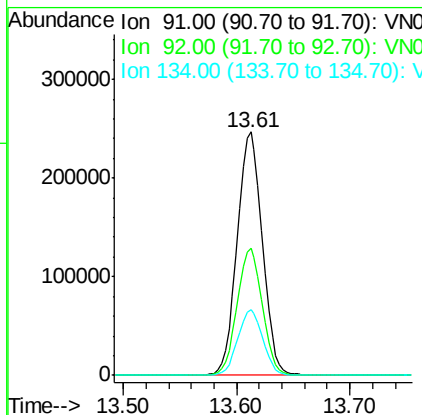
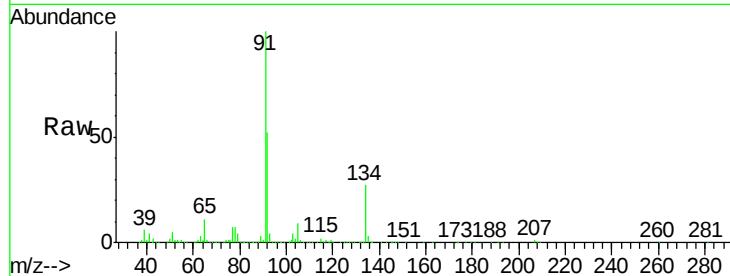
#89
n-Butylbenzene
Concen: 48.641 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	27.1	12.3	36.8

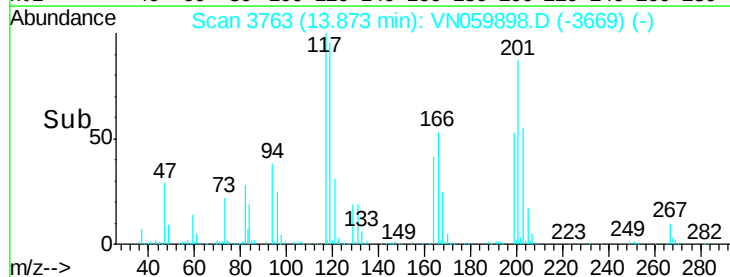
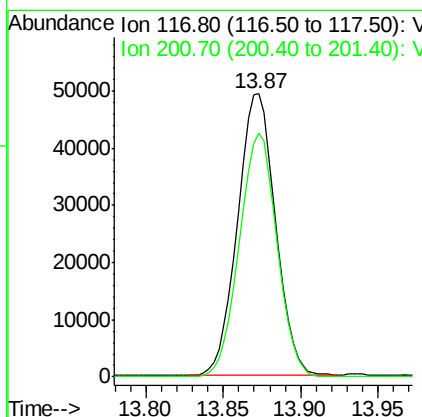
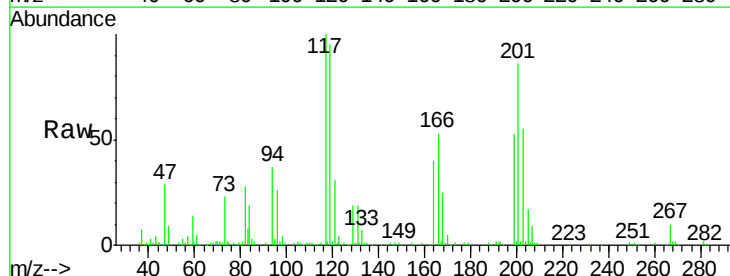
Manual Integrations
APPROVED

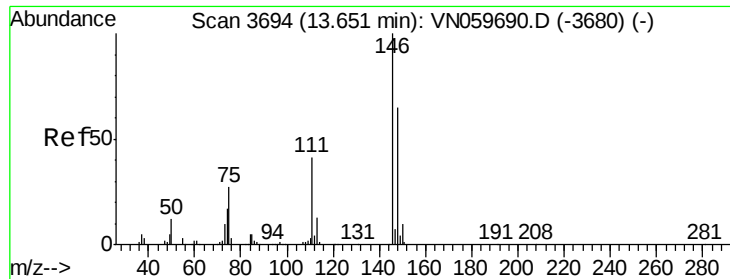
MMDadoda
1/29/2020 11:04:25 AM



#90
Hexachloroethane
Concen: 48.921 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	37.8	113.4





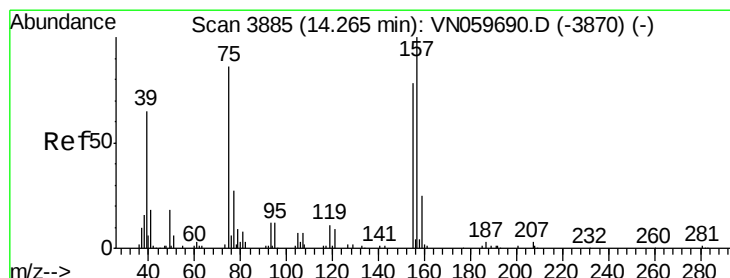
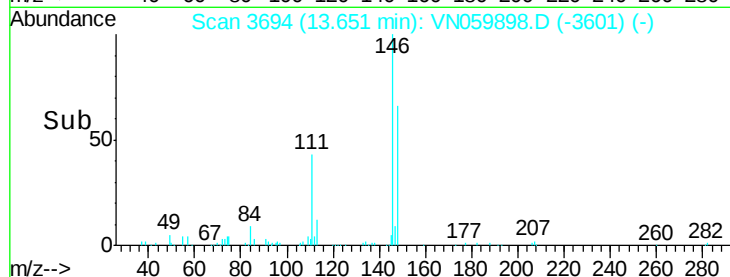
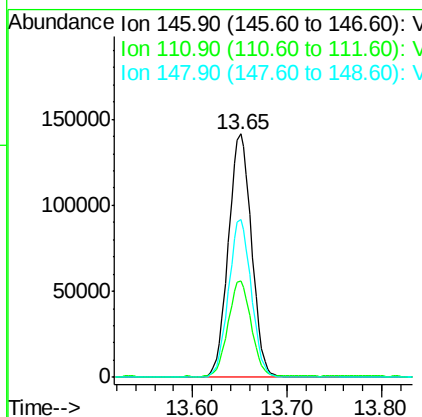
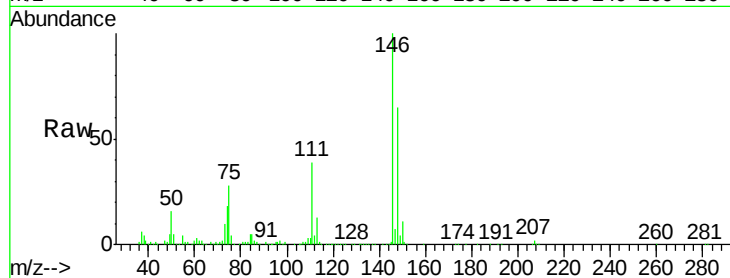
#91
 1,2-Dichlorobenzene
 Concen: 53.306 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.8	31.6	95.0

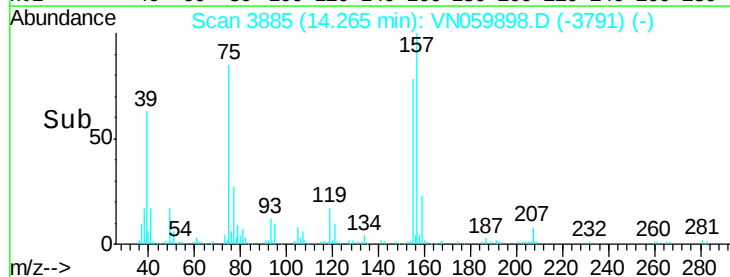
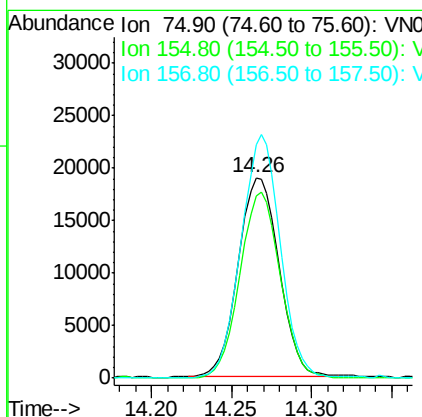
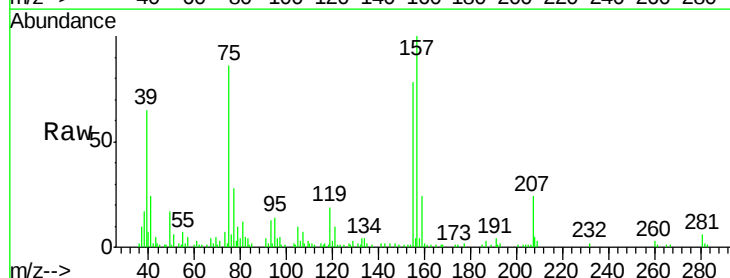
Manual Integrations
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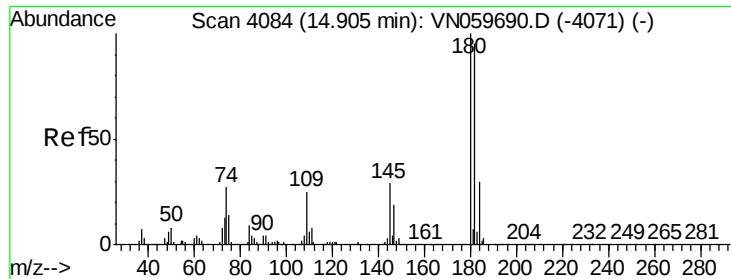
MMDadoda
 1/29/2020 11:04:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.062 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	37.0	110.9
157	118.1	48.4	145.2





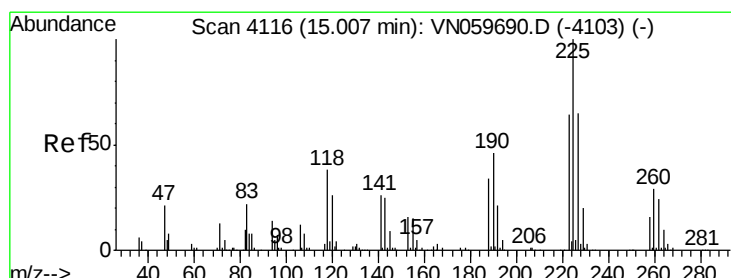
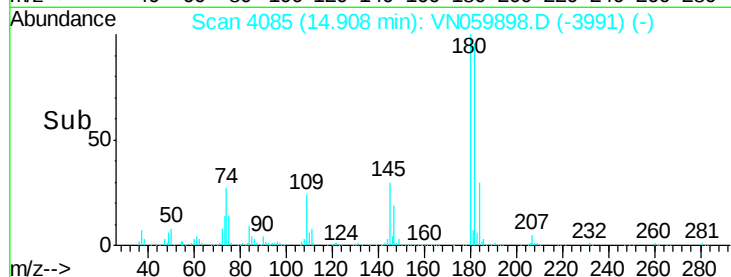
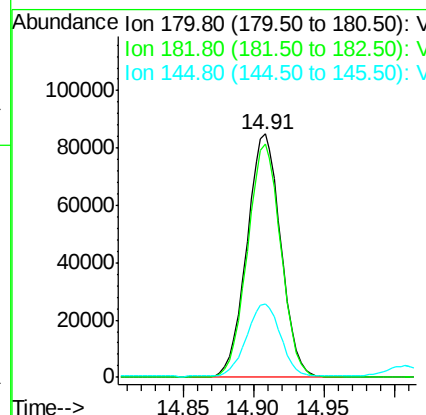
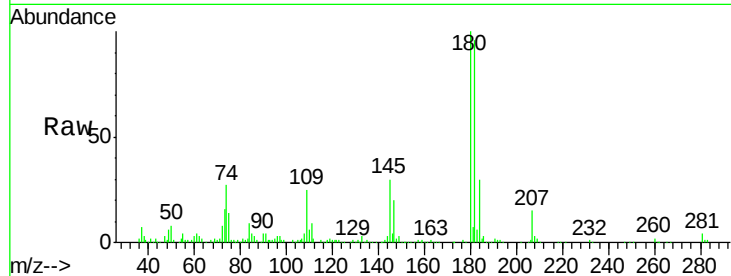
#93
 1,2,4-Trichlorobenzene
 Concen: 52.722 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.7
145	29.5	15.0	45.1

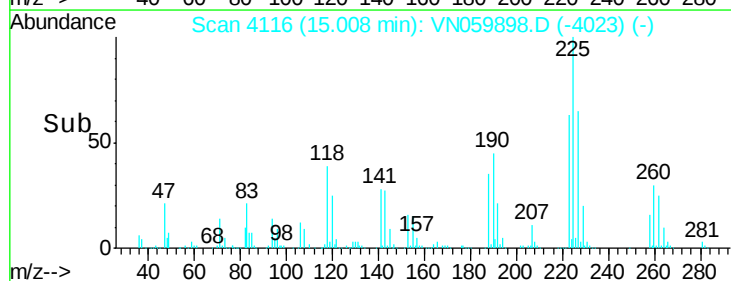
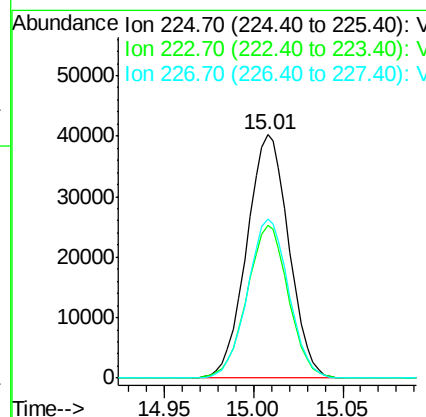
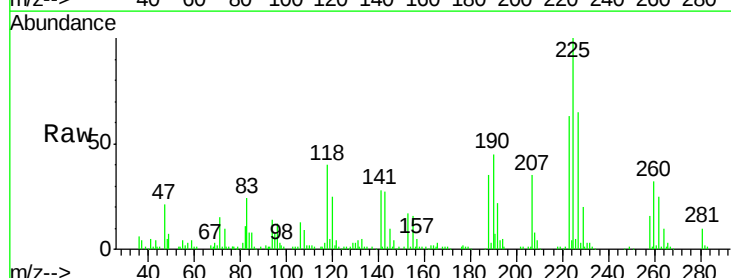
Manual Integrations
 APPROVED

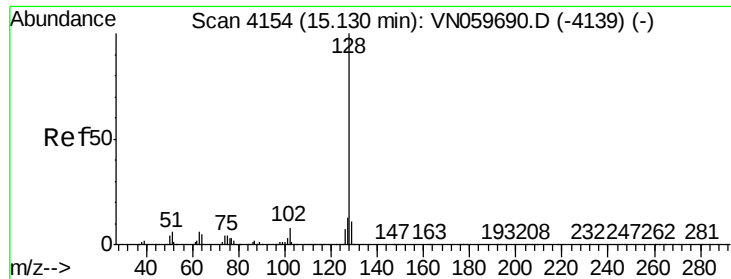
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 1/29/2020 11:04:25 AM



#94
 Hexachlorobutadiene
 Concen: 44.294 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059898.D
 Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.3
227	64.0	32.1	96.5





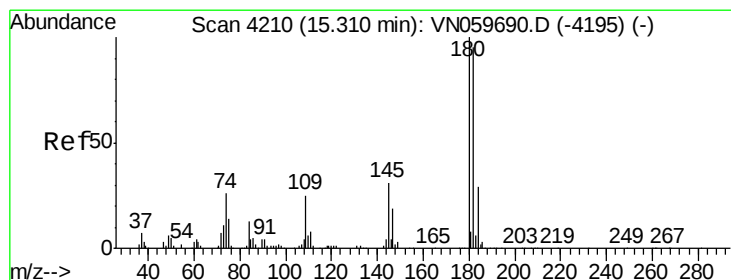
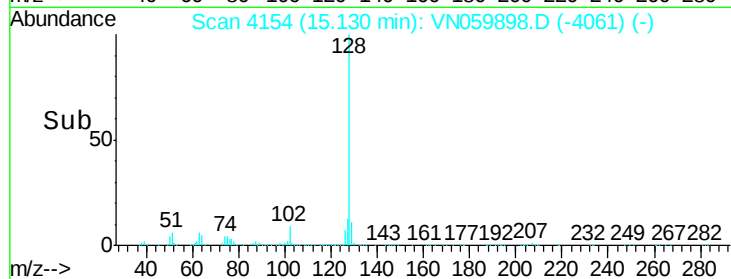
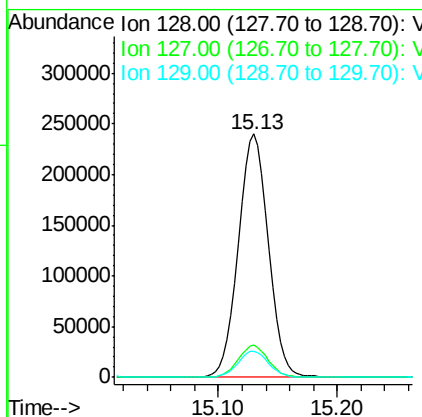
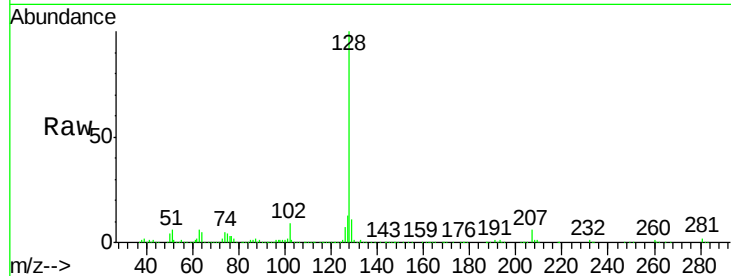
#95
Naphthalene
Concen: 53.952 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.011 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059898.D
Acq: 28 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	31.4	16.3	48.9

