

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
 Data File : VN059936.D
 Acq On : 30 Jan 2020 18:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:40:52 AM

Quant Time: Jan 31 00:47:49 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	183737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106733	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.57	113	88838	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.08	98	332340	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	126091	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95042	43.809	ug/l	98
3) Chloromethane	2.04	50	95323	45.315	ug/l	98
4) Vinyl Chloride	2.17	62	122131	50.744	ug/l	97
5) Bromomethane	2.54	94	70922	48.285	ug/l	97
6) Chloroethane	2.68	64	56041	49.216	ug/l	99
7) Trichlorofluoromethane	3.00	101	142827	49.413	ug/l	100
8) Diethyl Ether	3.39	74	51829	51.094	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83613	51.975	ug/l	93
10) Methyl Iodide	3.93	142	116471	44.791	ug/l	95
11) Tert butyl alcohol	4.73	59	81596	237.544	ug/l	99
12) 1,1-Dichloroethene	3.72	96	80296	47.767	ug/l	89
13) Acrolein	3.58	56	58820	241.903	ug/l	98
14) Allyl chloride	4.30	41	112459	49.634	ug/l #	83
15) Acrylonitrile	4.95	53	207675	265.045	ug/l	99
16) Acetone	3.78	43	186764	269.129	ug/l	96
17) Carbon Disulfide	4.03	76	197172	41.175	ug/l	99
18) Methyl Acetate	4.29	43	129051	54.146	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	284207	51.855	ug/l	97
20) Methylene Chloride	4.52	84	91682	49.655	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	85836	48.037	ug/l	88
22) Diisopropyl ether	5.92	45	265339	51.676	ug/l	97
23) Vinyl Acetate	5.86	43	1002478	252.164	ug/l	95
24) 1,1-Dichloroethane	5.82	63	161327	51.420	ug/l	98
25) 2-Butanone	6.80	43	277128	239.836	ug/l	92
26) 2,2-Dichloropropane	6.80	77	150011	49.734	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	104099	50.651	ug/l	89
28) Bromochloromethane	7.17	49	62378	49.744	ug/l #	77
29) Tetrahydrofuran	7.18	42	179637	251.267	ug/l	88
30) Chloroform	7.35	83	169594	52.171	ug/l	99
31) Cyclohexane	7.63	56	133981	44.380	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	153746	51.152	ug/l	96
36) 1,1-Dichloropropene	7.77	75	120903	47.543	ug/l	96
37) Ethyl Acetate	6.90	43	116252	48.740	ug/l	96
38) Carbon Tetrachloride	7.75	117	137788	49.810	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	143555	45.782	ug/l	93
40) Benzene	8.02	78	365909	48.246	ug/l	99
41) Methacrylonitrile	7.15	41	56044m	47.704	ug/l	
42) 1,2-Dichloroethane	8.10	62	131447	51.118	ug/l	96
43) Isopropyl Acetate	8.14	43	201954	49.227	ug/l	95
44) Trichloroethene	8.82	130	101047	48.805	ug/l	93
45) 1,2-Dichloropropane	9.10	63	94443	50.323	ug/l	100
46) Dibromomethane	9.19	93	67404	50.915	ug/l	92
47) Bromodichloromethane	9.39	83	136394	51.126	ug/l	99
48) Methyl methacrylate	9.18	41	87421	47.639	ug/l	88
49) 1,4-Dioxane	9.18	88	33457	995.942	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	596145	251.373	ug/l	96
52) Toluene	10.14	92	237711	49.621	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	155785	52.298	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	160849	51.320	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	96616	50.922	ug/l	97
56) Ethyl methacrylate	10.42	69	142974	49.316	ug/l	93
57) 1,3-Dichloropropane	10.70	76	159698	53.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	242157	277.312	ug/l	92
59) 2-Hexanone	10.74	43	435845	249.463	ug/l	94
60) Dibromochloromethane	10.89	129	114613	53.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101861	51.222	ug/l	100
64) Tetrachloroethene	10.62	164	100447	45.442	ug/l	95
65) Chlorobenzene	11.43	112	262554	49.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105007	50.979	ug/l	99
67) Ethyl Benzene	11.50	91	467321	48.291	ug/l	97
68) m/p-Xylenes	11.62	106	352056	96.309	ug/l	95
69) o-Xylene	11.94	106	171897	48.033	ug/l	95
70) Styrene	11.96	104	291551	48.685	ug/l	97
71) Bromoform	12.12	173	87559	53.067	ug/l #	99
73) Isopropylbenzene	12.24	105	470669	47.097	ug/l	100
74) N-amyl acetate	12.06	43	180641	46.583	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	146197	50.462	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101015m	44.049	ug/l	
77) Bromobenzene	12.52	156	120631	47.665	ug/l	84
78) n-propylbenzene	12.59	91	530245	47.272	ug/l	97
79) 2-Chlorotoluene	12.67	91	313954	47.049	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	394759	46.969	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	52444	49.112	ug/l	94
82) 4-Chlorotoluene	12.77	91	319306	47.707	ug/l	95
83) tert-Butylbenzene	12.99	119	339196	46.663	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	392672	47.225	ug/l	99
85) sec-Butylbenzene	13.17	105	449730	47.090	ug/l	99
86) p-Isopropyltoluene	13.28	119	415027	46.965	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	215649	49.055	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	213228	48.620	ug/l	97
89) n-Butylbenzene	13.61	91	362711	48.139	ug/l	99
90) Hexachloroethane	13.87	117	78487	47.471	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	210704	48.482	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30842	49.580	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	129203	49.475	ug/l	98
94) Hexachlorobutadiene	15.01	225	66798	46.417	ug/l	99
95) Naphthalene	15.13	128	355489	47.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125064	49.201	ug/l	99

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

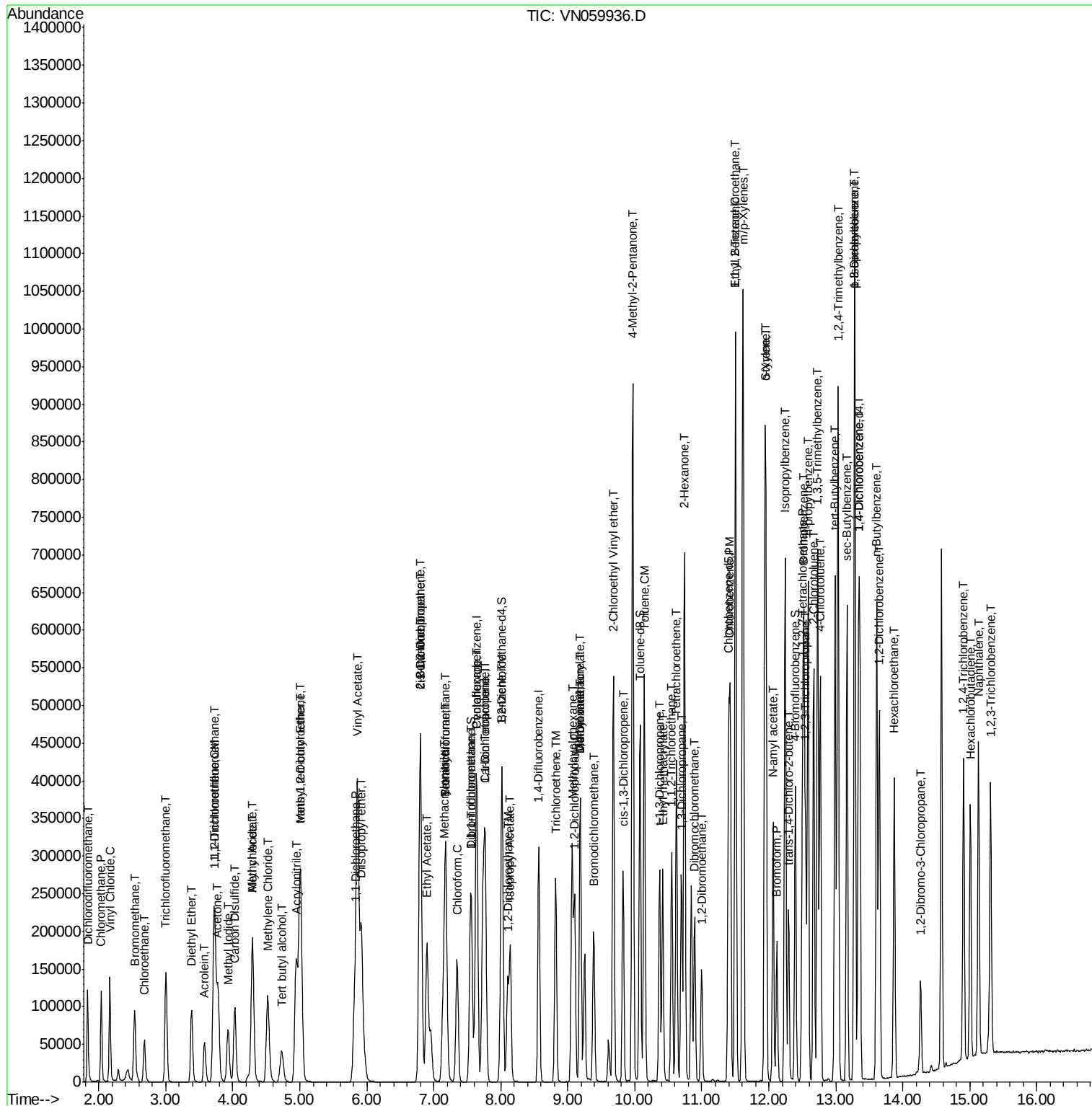
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183737

Ion Ratio Lower Upper

168 100

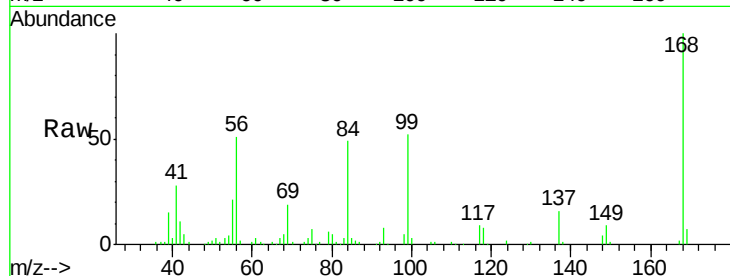
99 51.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

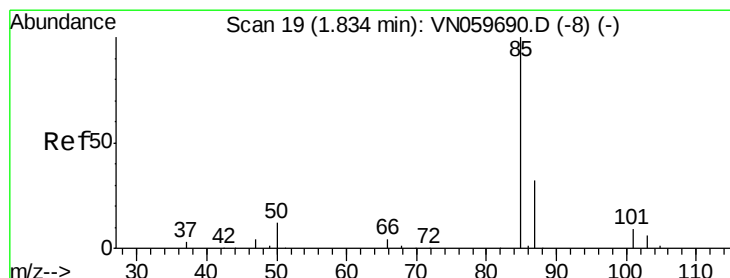
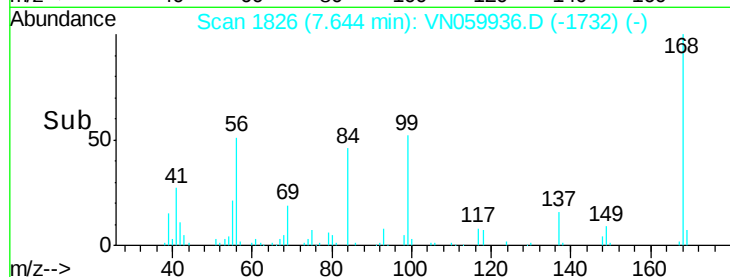
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.809 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059936.D

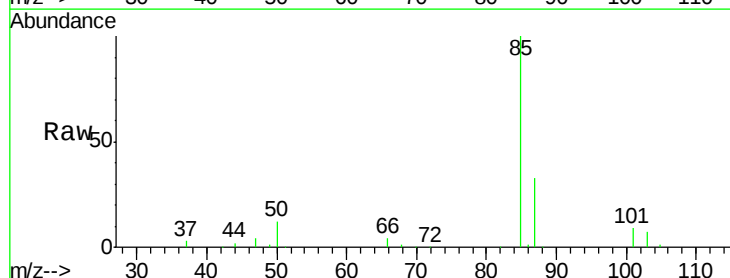
Acq: 30 Jan 2020 18:01

Tgt Ion: 85 Resp: 95042

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

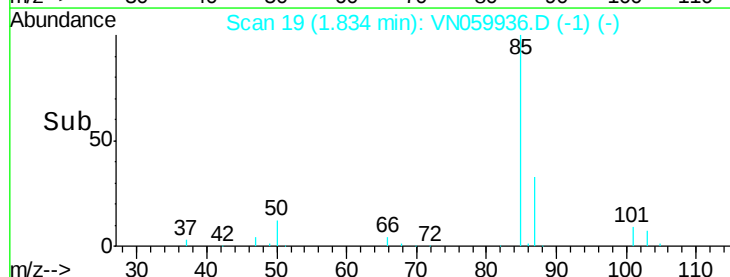
1.80

1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 45.315 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95323

Ion Ratio Lower Upper

50 100

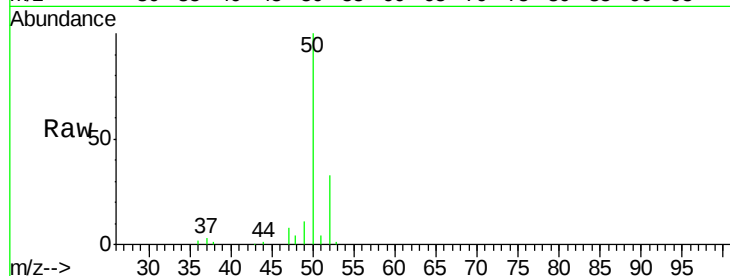
52 33.4 25.9 38.9

Manual Integrations

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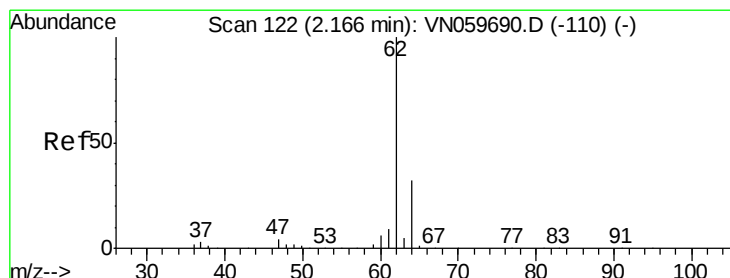
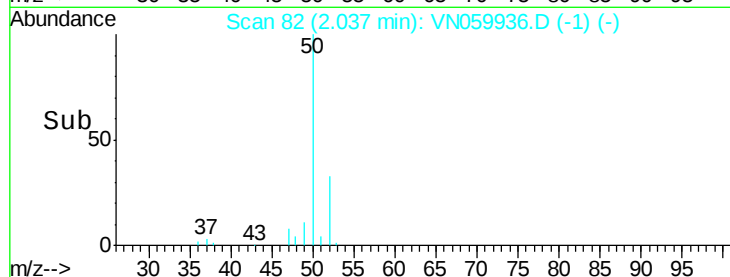
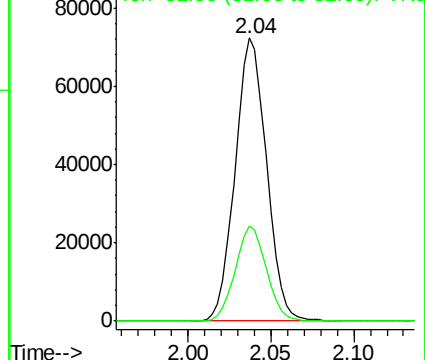
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.744 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059936.D

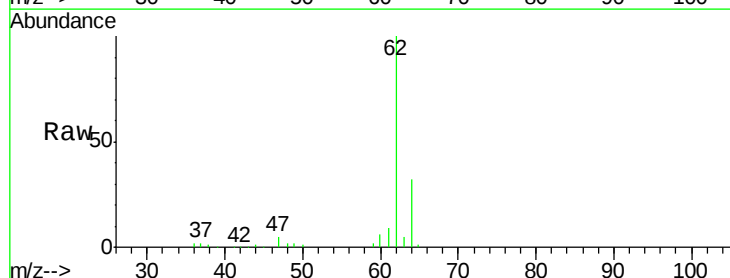
Acq: 30 Jan 2020 18:01

Tgt Ion: 62 Resp: 122131

Ion Ratio Lower Upper

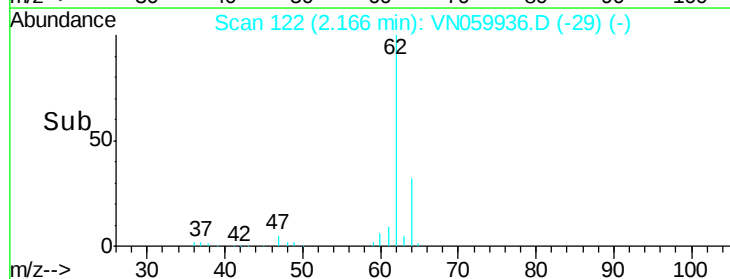
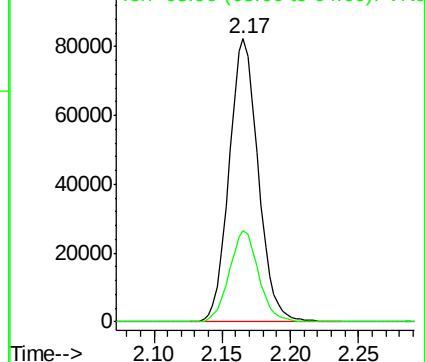
62 100

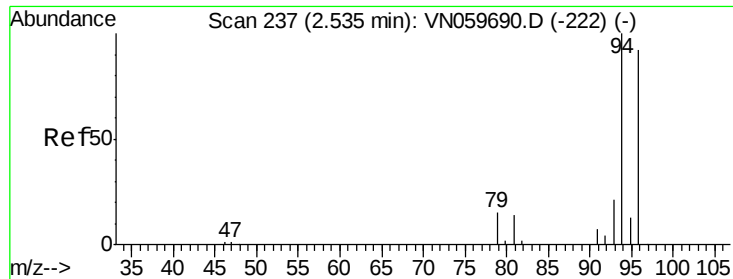
64 32.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.285 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 70922

Ion Ratio Lower Upper

94 100

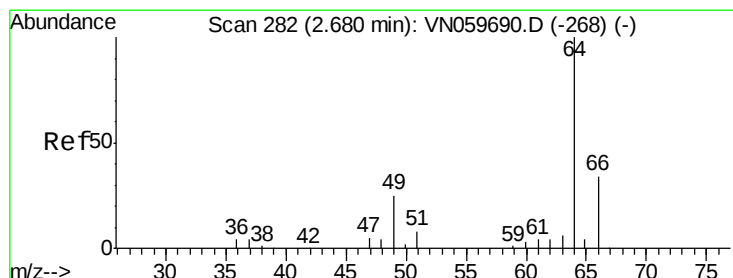
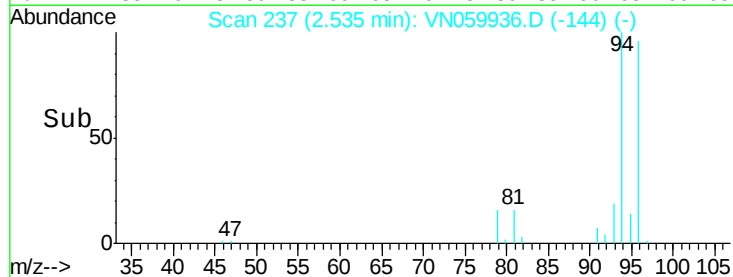
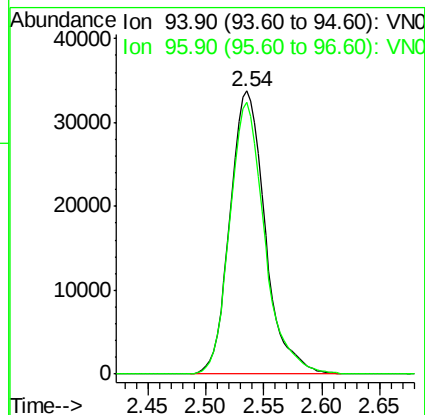
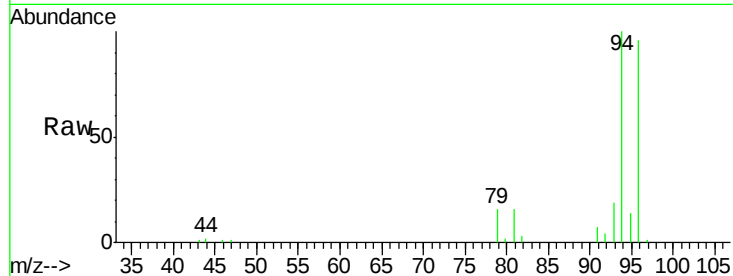
96 95.9 74.7 112.1

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#6

Chloroethane

Concen: 49.216 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059936.D

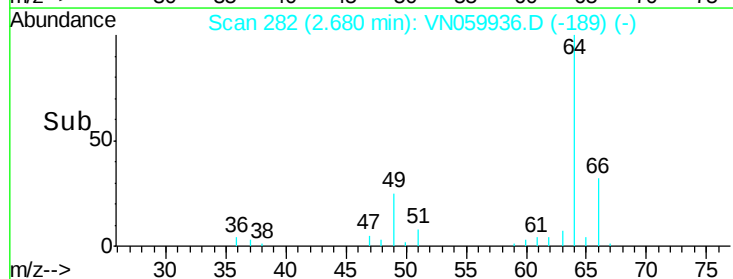
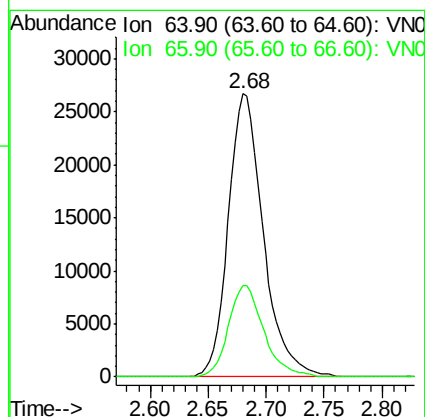
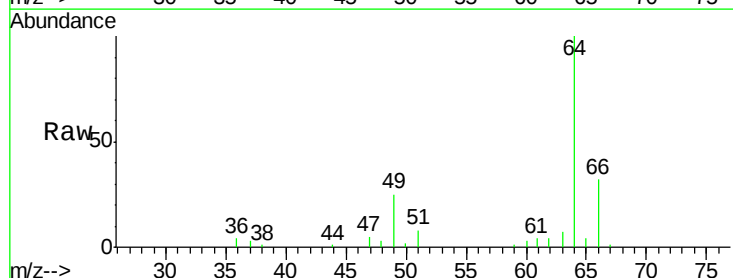
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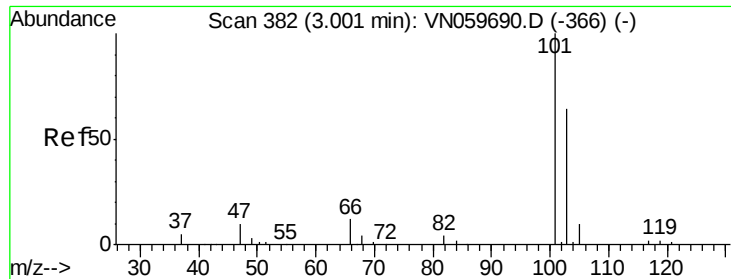
Tgt Ion: 64 Resp: 56041

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7





#7

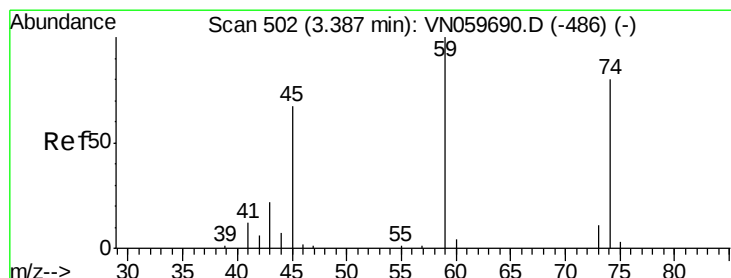
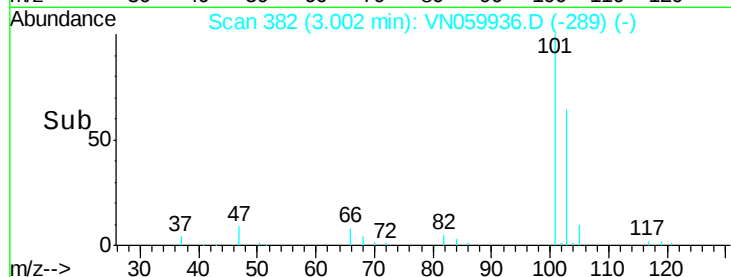
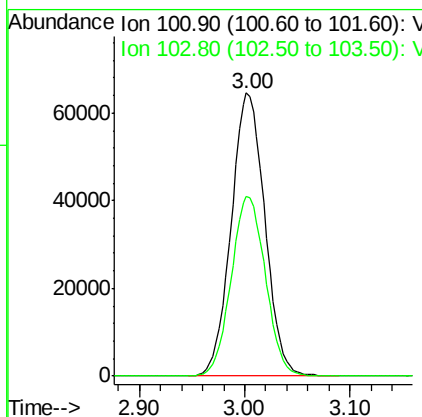
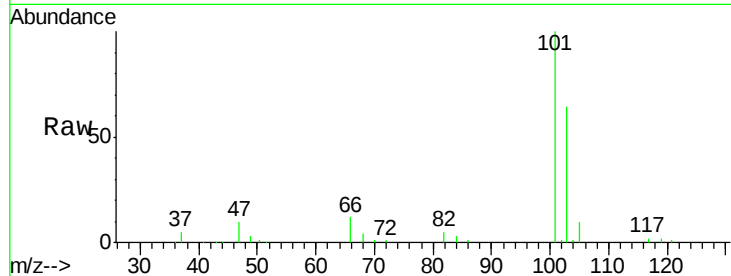
Trichlorofluoromethane
Concen: 49.413 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 142827
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6

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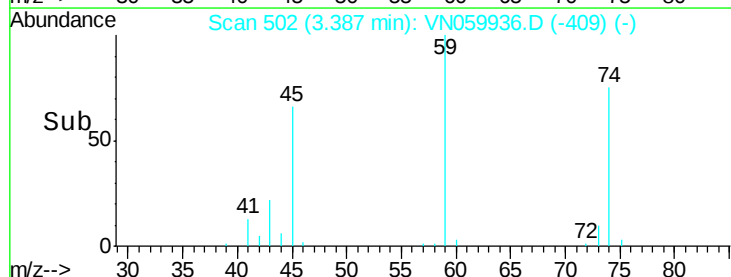
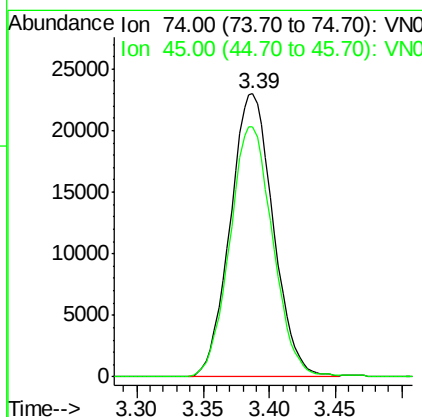
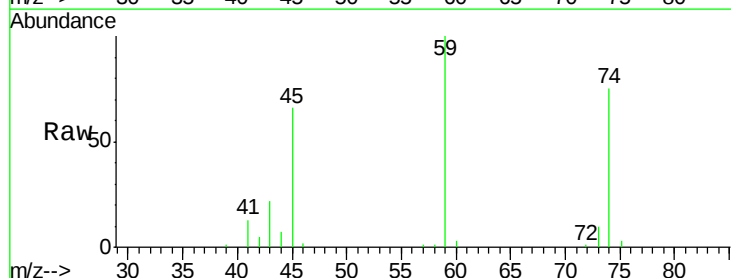
MMDadoda
2/3/2020 10:40:52 AM



#8

Diethyl Ether
Concen: 51.094 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion: 74 Resp: 51829
Ion Ratio Lower Upper
74 100
45 88.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.975 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

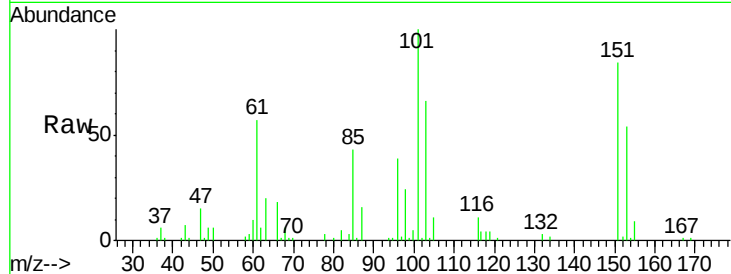
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	83613
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	82.2	59.7	89.5

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APPROVED

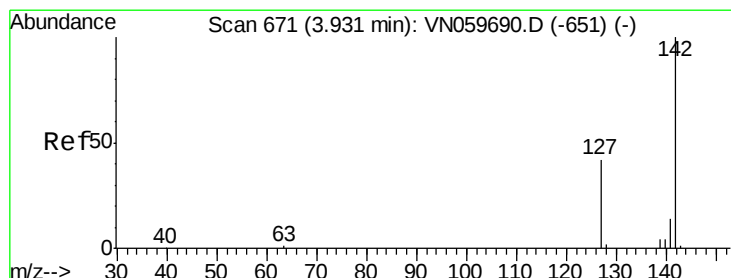
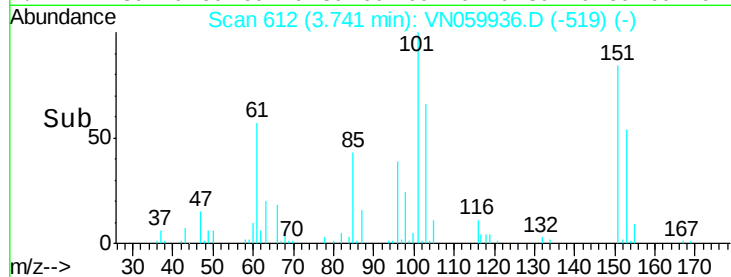
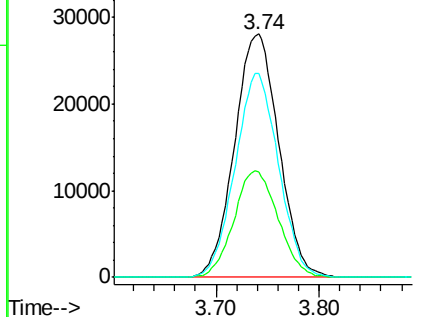
MMDadoda
2/3/2020 10:40:52 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.791 ug/l

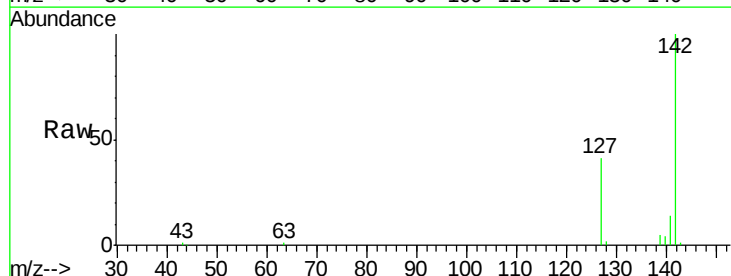
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

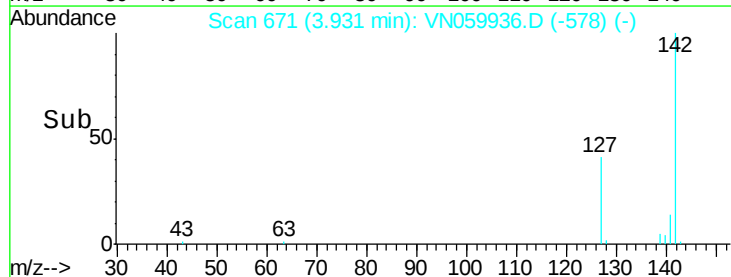
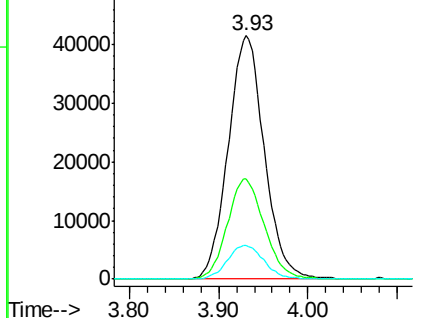
Tgt Ion:	142	Resp:	116471
Ion Ratio	Lower	Upper	
142	100		
127	42.0	36.7	55.1
141	14.0	11.7	17.5

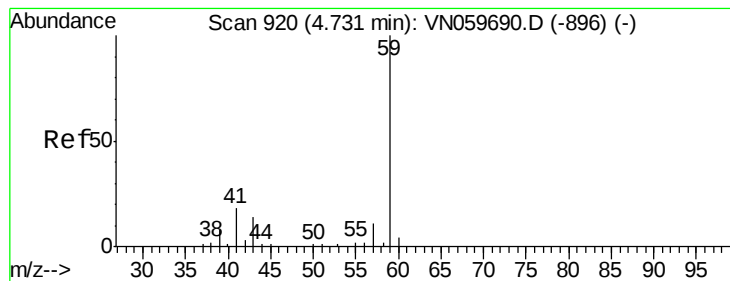


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

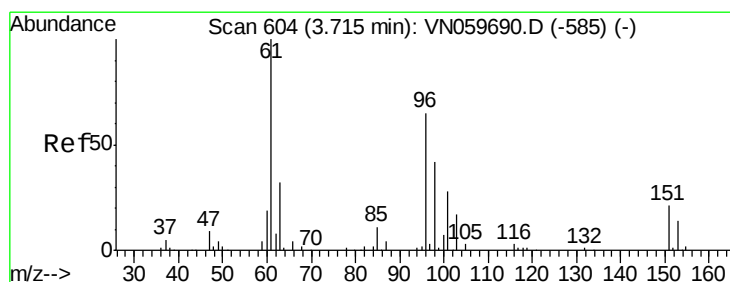
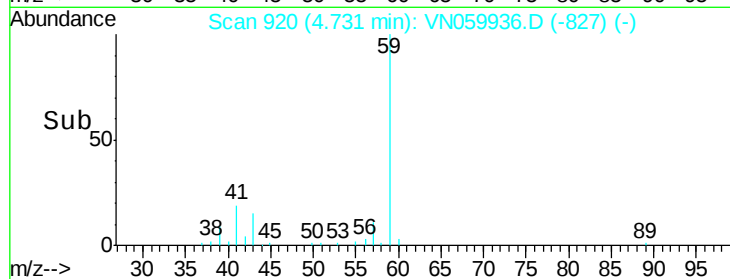
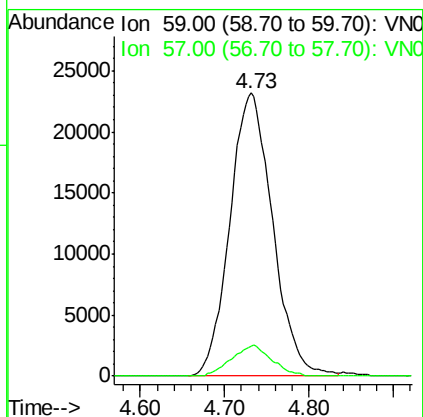
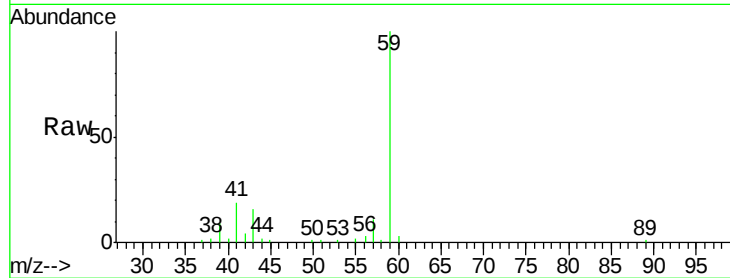
Tert butyl alcohol
Concen: 237.544 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Manual Integrations
APPROVED

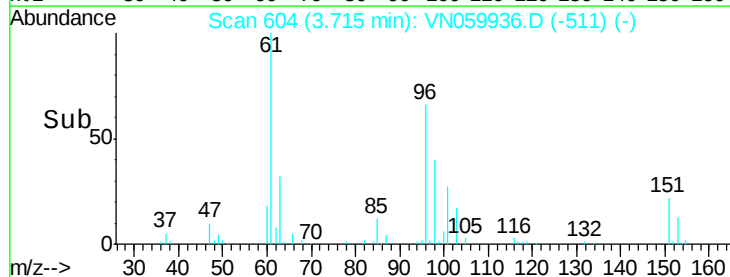
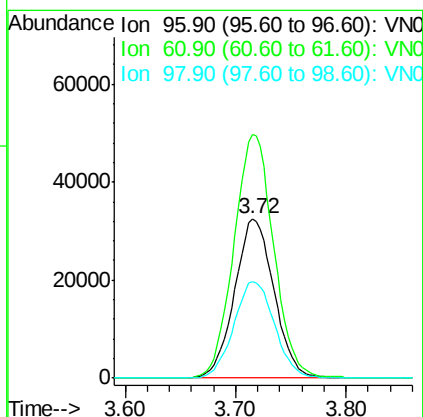
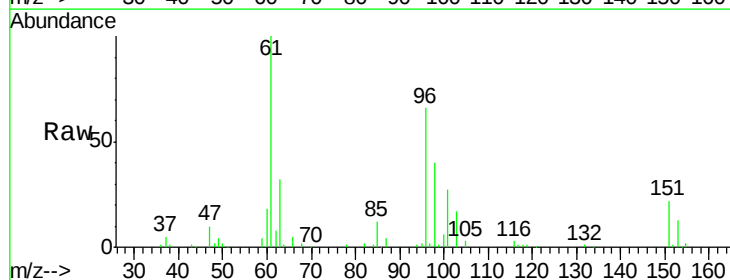
MMDadoda
2/3/2020 10:40:52 AM



#12

1,1-Dichloroethene
Concen: 47.767 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	137.5	206.3
98	60.6	50.2	75.4





#13

Acrolein

Concen: 241.903 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58820

Ion Ratio Lower Upper

56 100

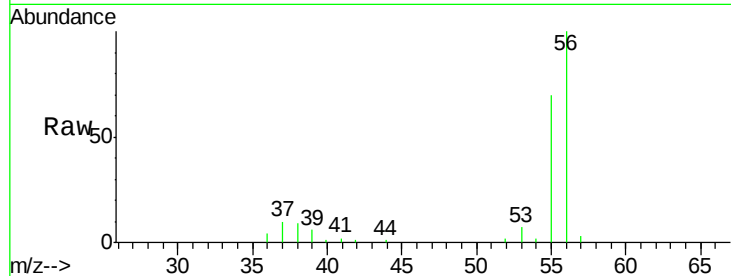
55 71.9 58.6 88.0

Manual Integrations

APPROVED

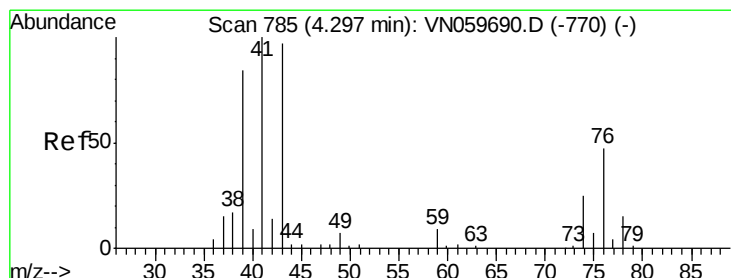
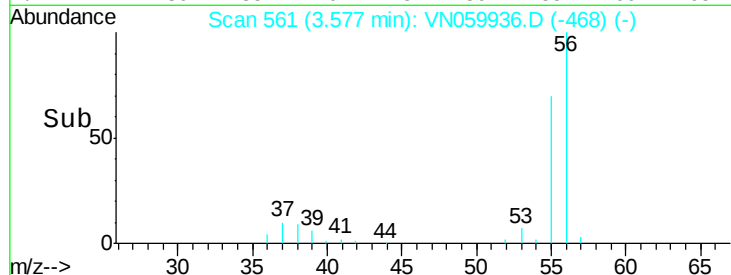
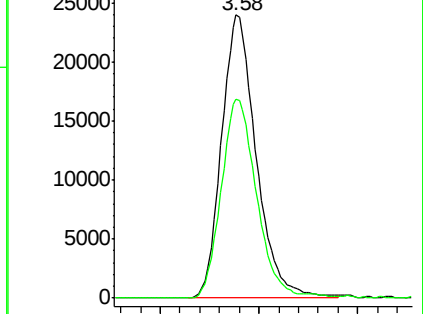
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.634 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

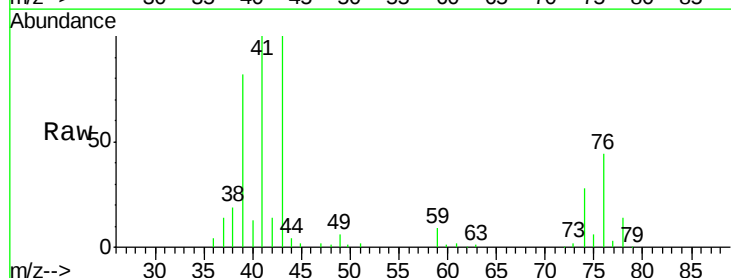
Tgt Ion: 41 Resp: 112459

Ion Ratio Lower Upper

41 100

39 84.5 57.8 86.8

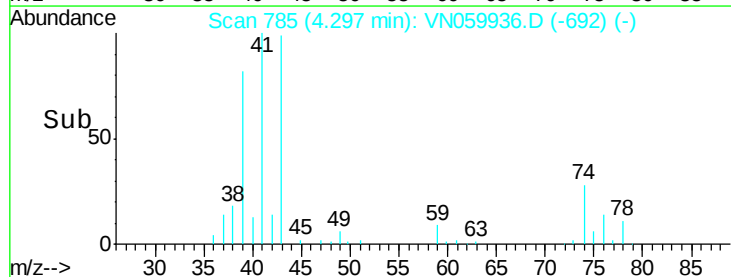
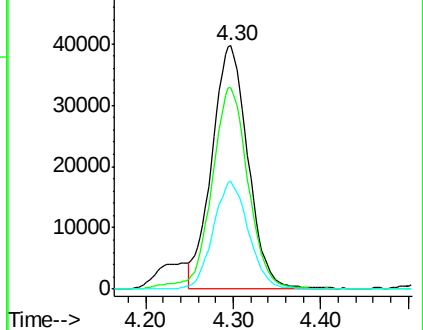
76 43.6 25.4 38.0#

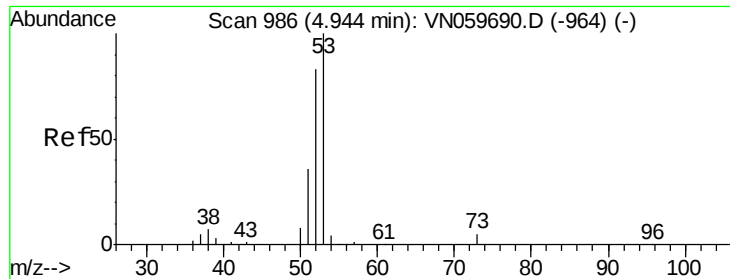


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 265.045 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

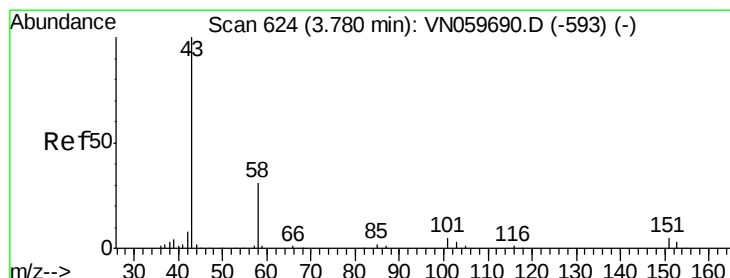
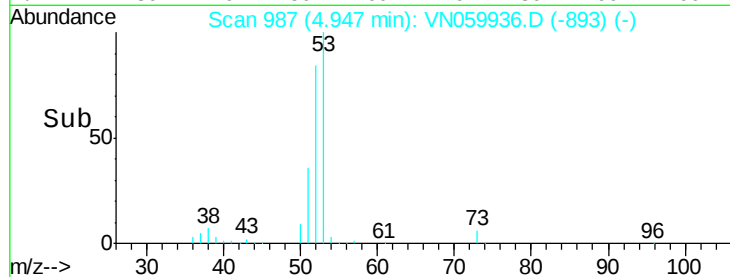
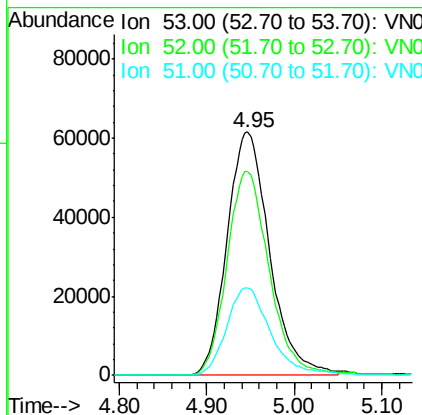
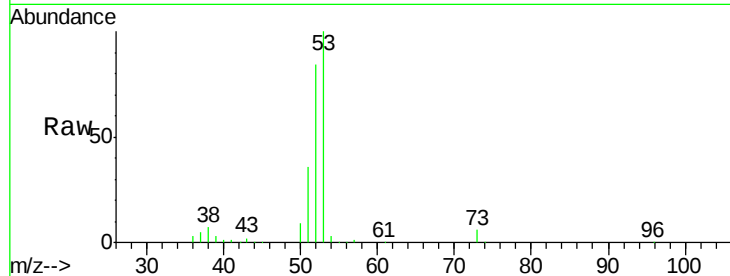
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	207675
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.3	99.5
51	37.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 269.129 ug/l

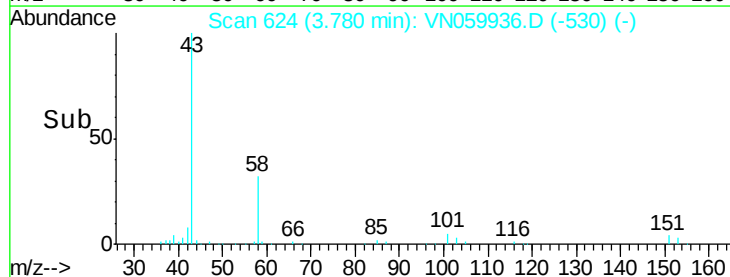
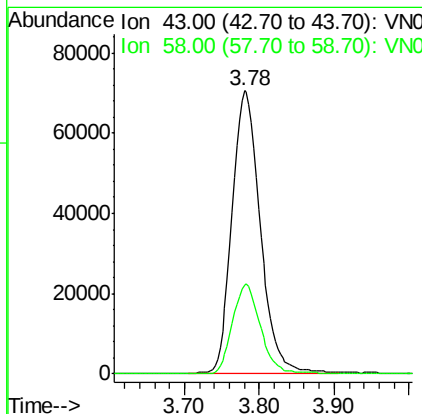
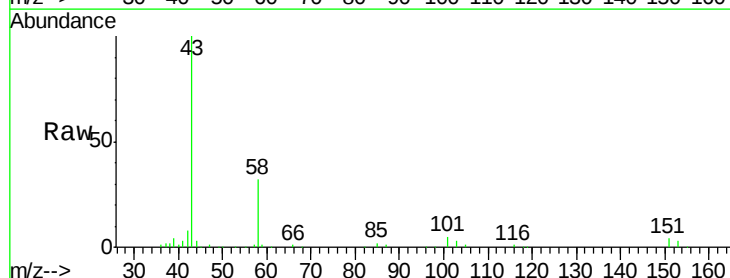
RT: 3.78 min Scan# 624

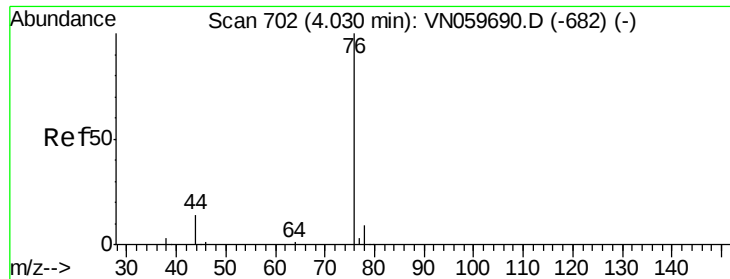
Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	43	Resp:	186764
Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4





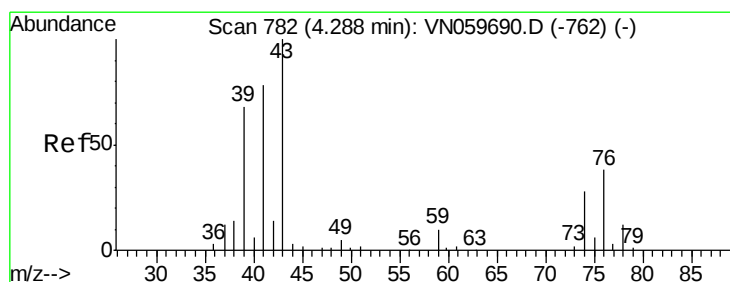
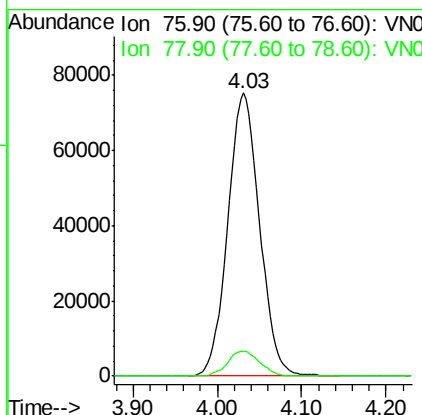
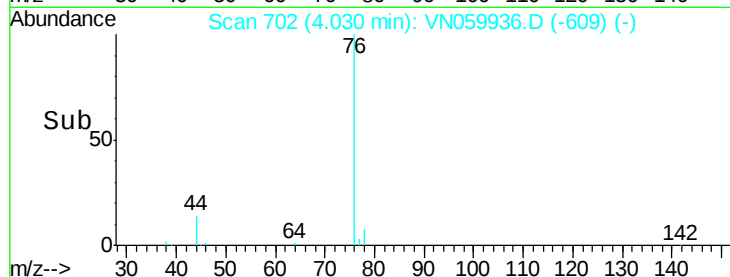
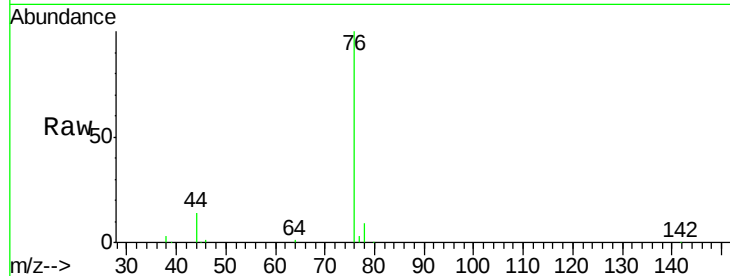
#17
Carbon Disulfide
Concen: 41.175 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

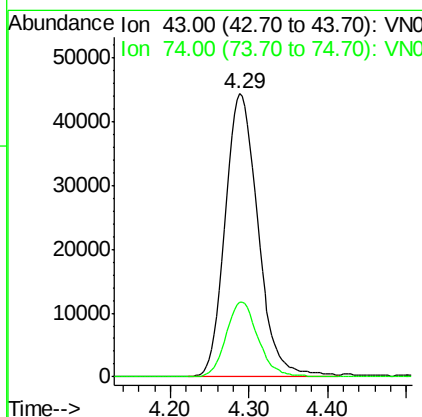
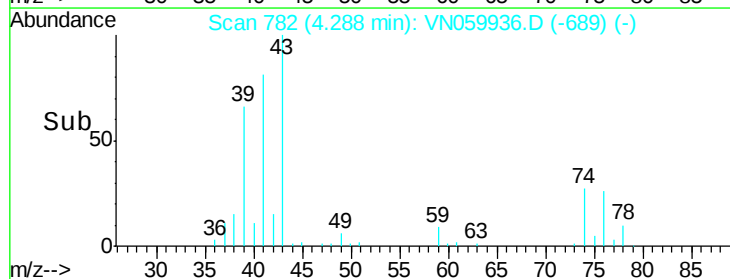
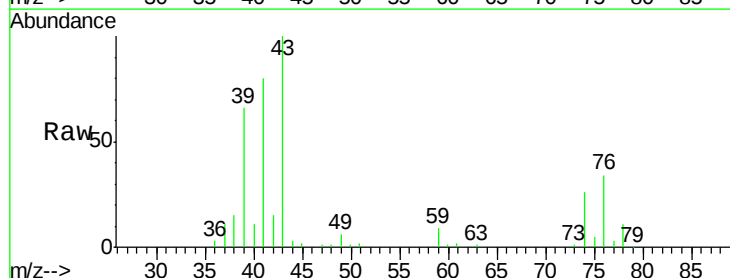
Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:40:52 AM



#18
Methyl Acetate
Concen: 54.146 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	17.5	26.3





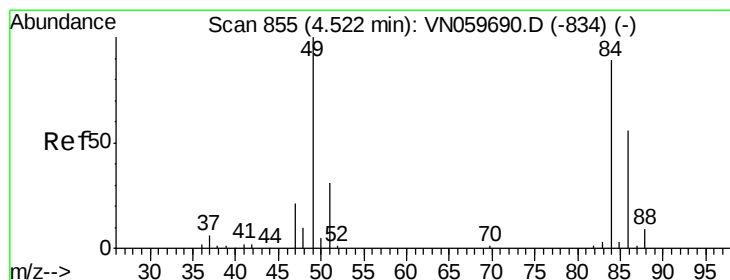
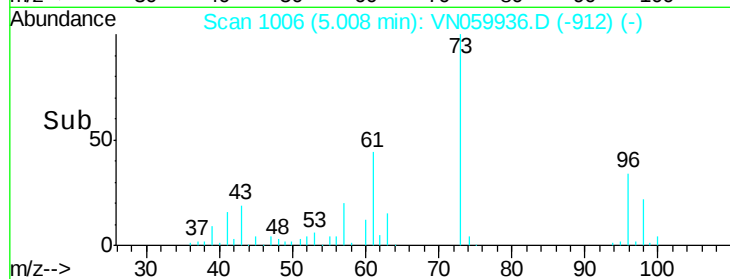
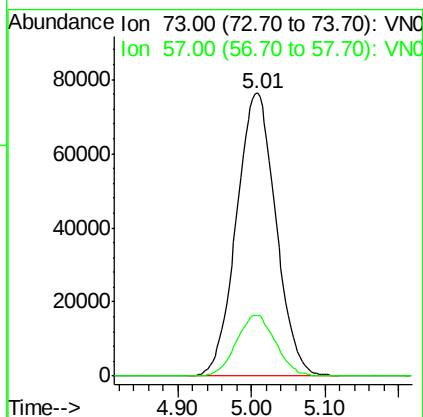
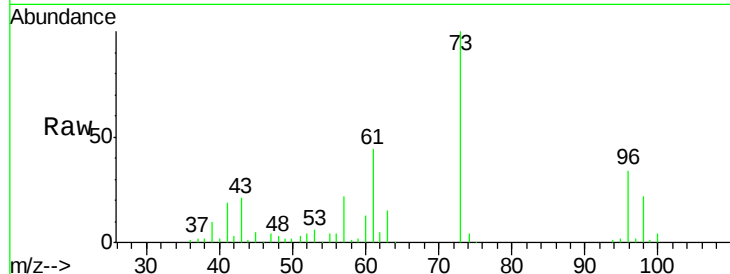
#19
Methvl tert-butvl Ether
Concen: 51.855 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 284207
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8

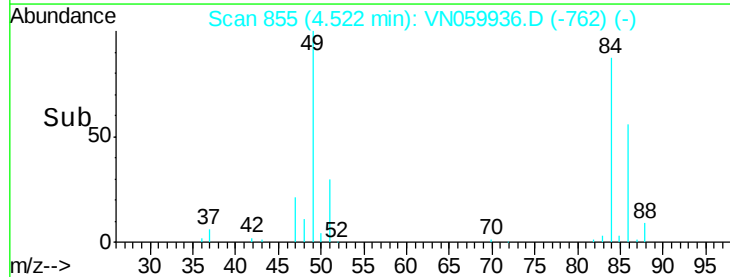
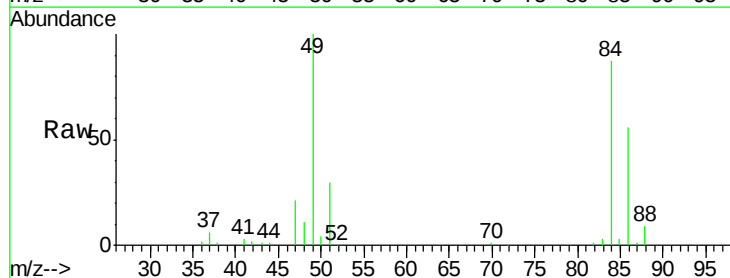
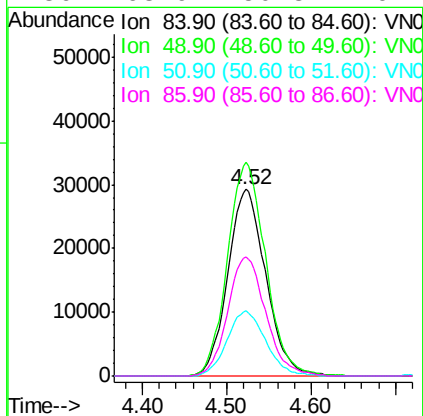
Manual Integrations
APPROVED

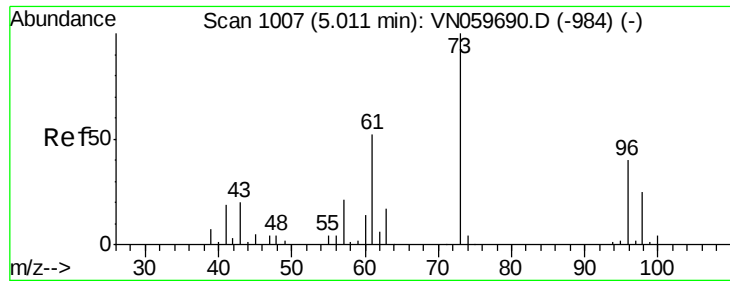
MMDadoda
2/3/2020 10:40:52 AM



#20
Methylene Chloride
Concen: 49.655 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion: 84 Resp: 91682
Ion Ratio Lower Upper
84 100
49 114.5 106.6 160.0
51 34.9 31.9 47.9
86 63.9 50.8 76.2





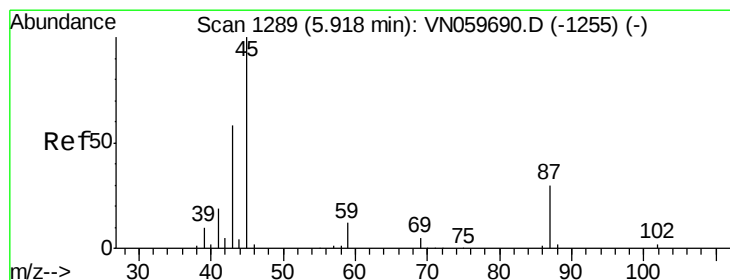
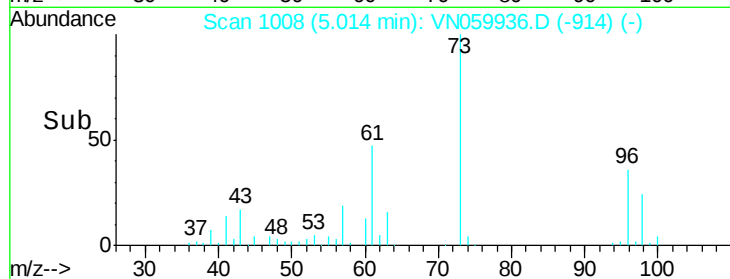
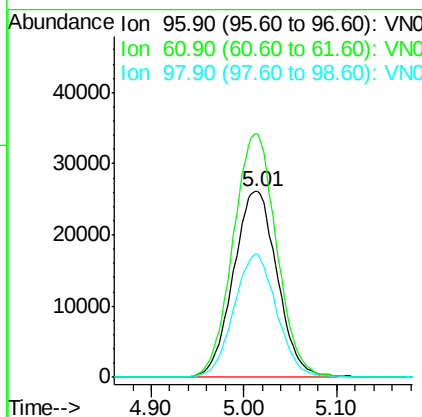
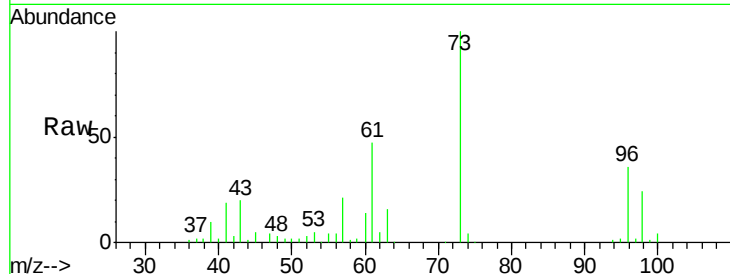
#21
trans-1,2-Dichloroethene
Concen: 48.037 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	120.4	180.6
98	66.4	50.6	75.8

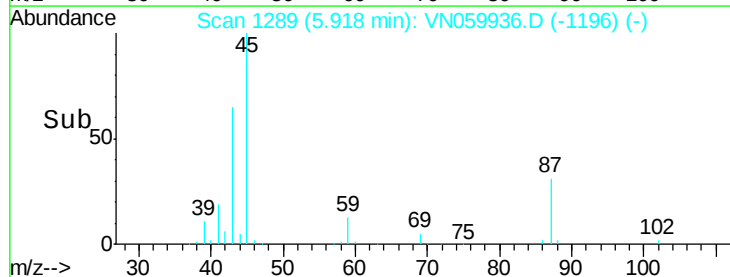
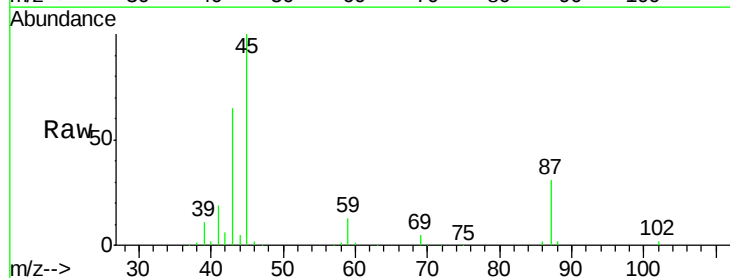
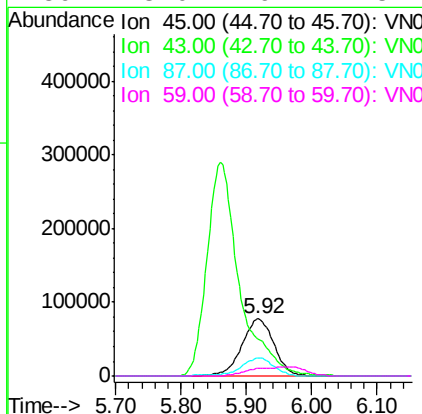
Manual Integrations
APPROVED

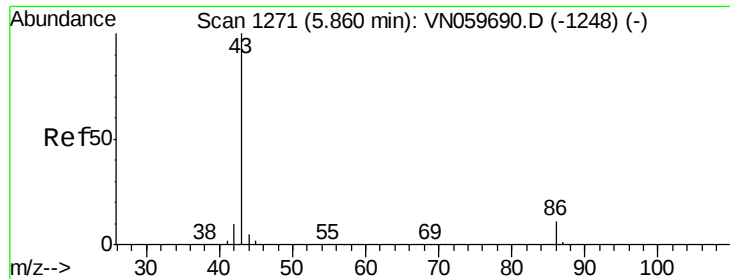
MMDadoda
2/3/2020 10:40:52 AM



#22
Diisopropyl ether
Concen: 51.676 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.8	76.2
87	30.9	21.0	31.6
59	13.0	9.1	13.7





#23

Vinyl Acetate

Concen: 252.164 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1002478

Ion Ratio Lower Upper

43 100

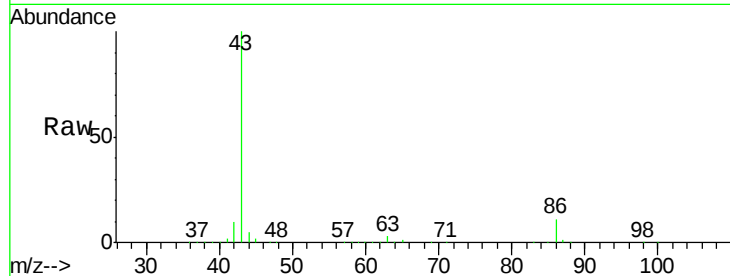
86 11.2 7.6 11.4

Manual Integrations

APPROVED

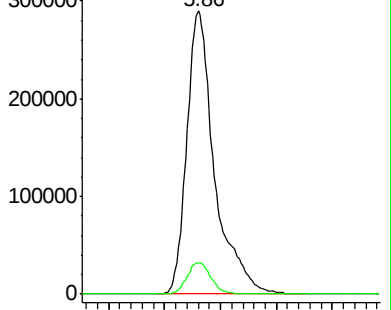
MMDadoda

2/3/2020 10:40:52 AM

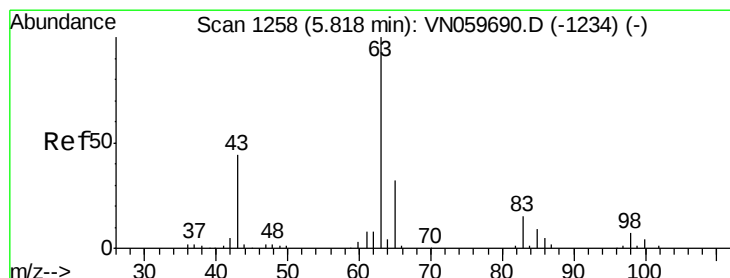
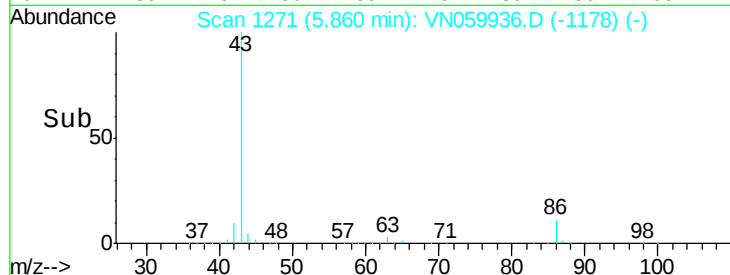


Abundance Ion 43.00 (42.70 to 43.70): VN059936.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059936.D (-1178) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 51.420 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

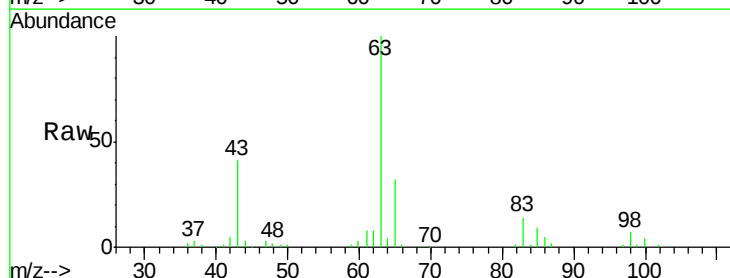
Tgt Ion: 63 Resp: 161327

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

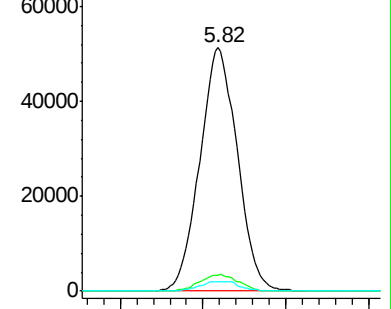
100 4.1 2.0 6.0



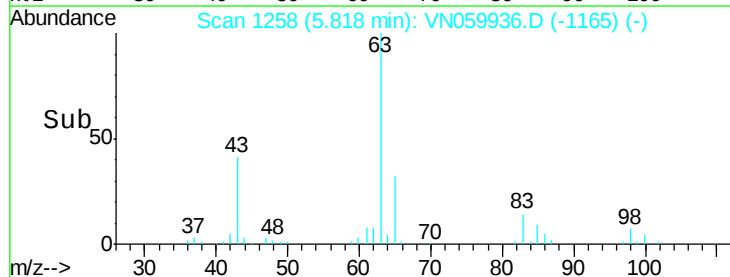
Abundance Ion 62.90 (62.60 to 63.60): VN059936.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059936.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059936.D (-1165) (-)



Time-->





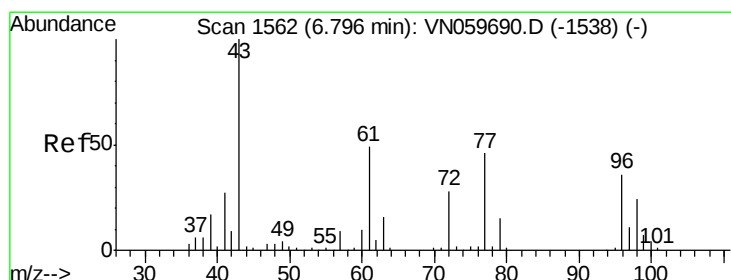
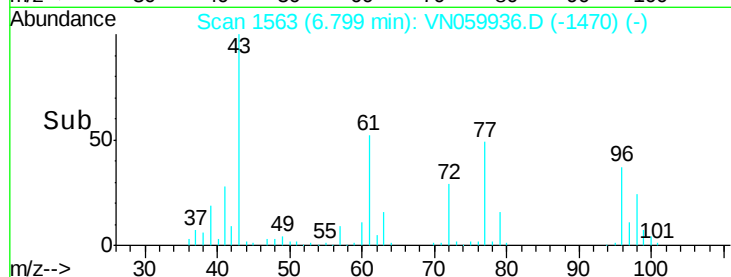
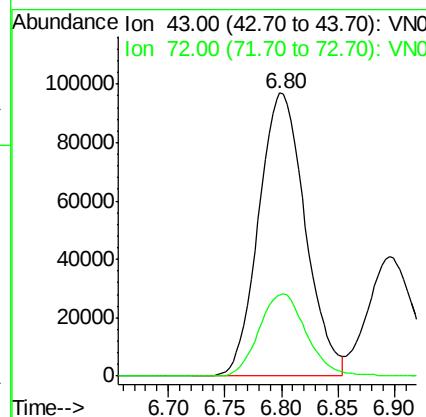
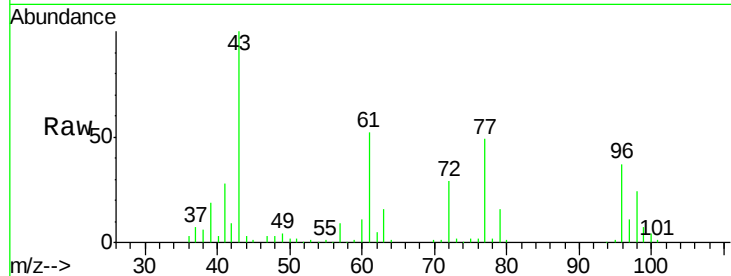
#25
2-Butanone
Concen: 239.836 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 277128
Ion Ratio Lower Upper
43 100
72 28.7 19.9 29.9

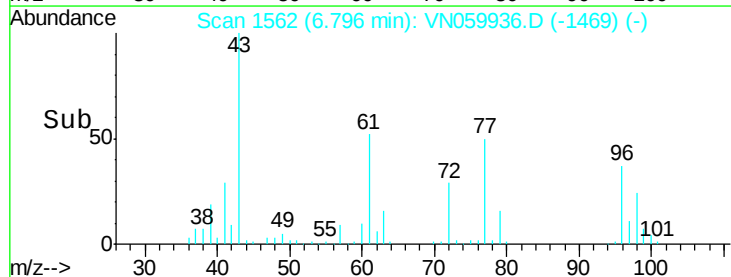
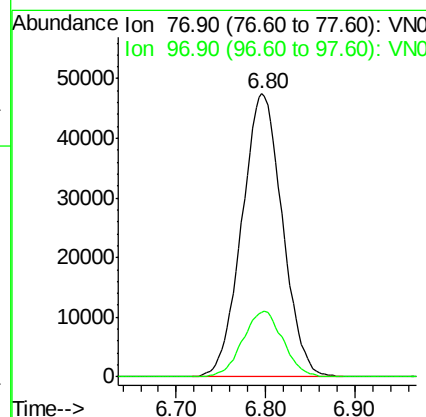
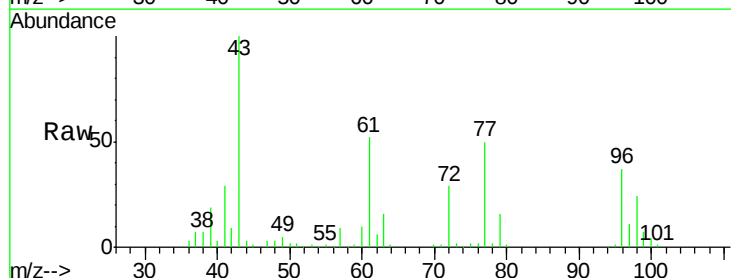
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2/3/2020 10:40:52 AM



#26
2,2-Dichloropropane
Concen: 49.734 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion: 77 Resp: 150011
Ion Ratio Lower Upper
77 100
97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.651 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

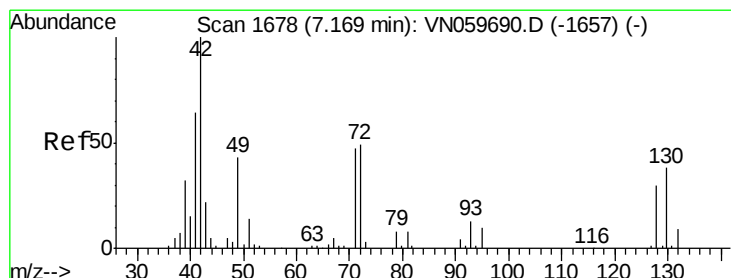
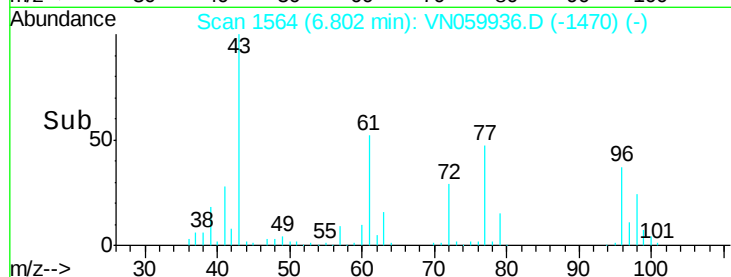
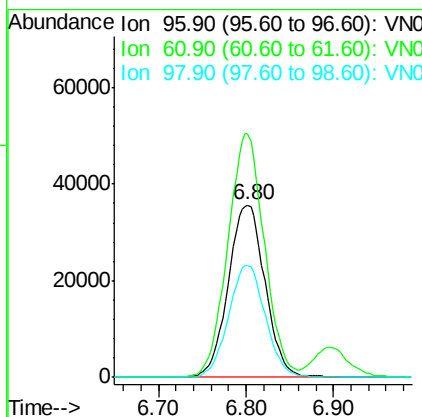
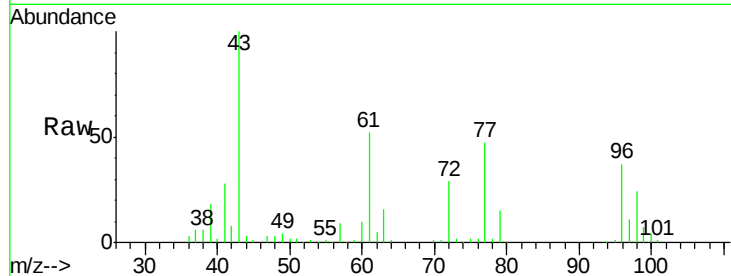
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	104099
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	317.6
98	65.0	0.0	127.0

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#28

Bromochloromethane

Concen: 49.744 ug/l

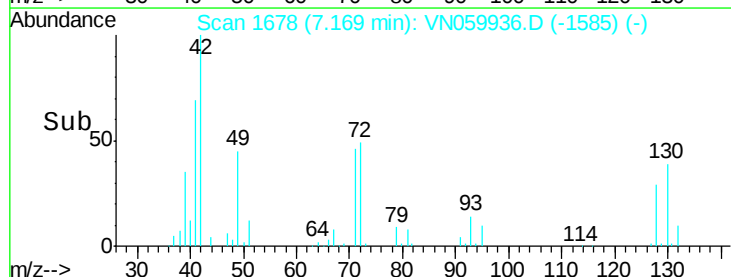
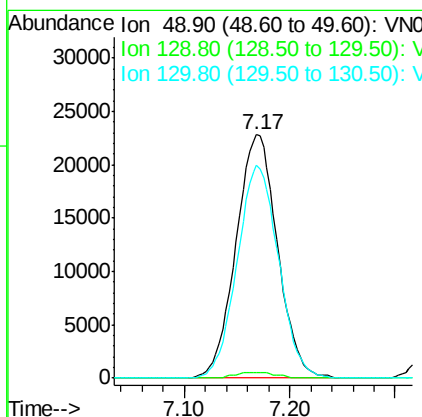
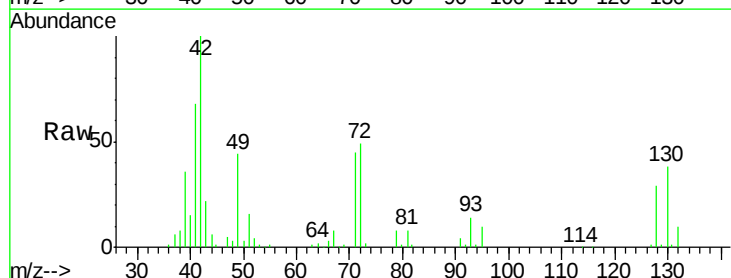
RT: 7.17 min Scan# 1678

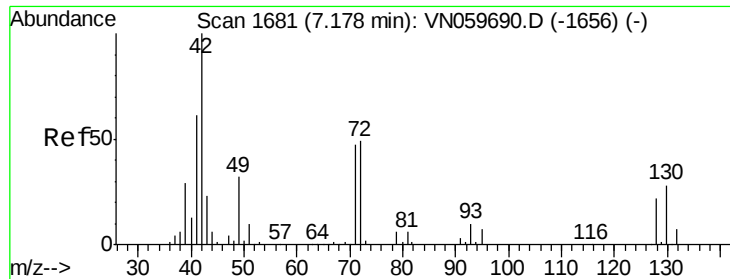
Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	49	Resp:	62378
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.4
130	87.2	54.7	82.1#





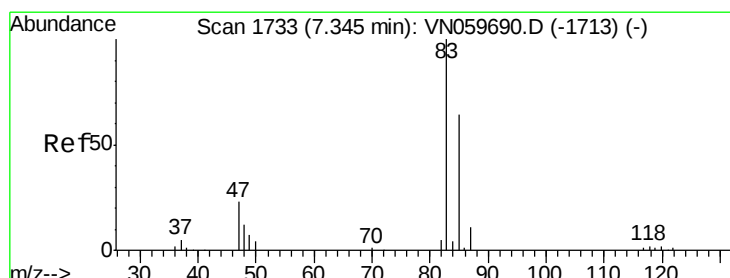
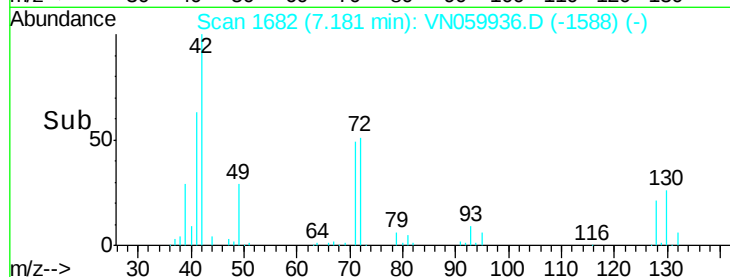
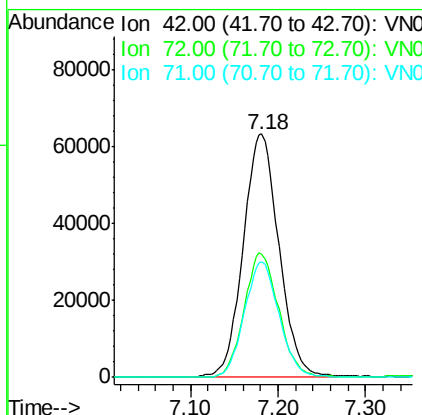
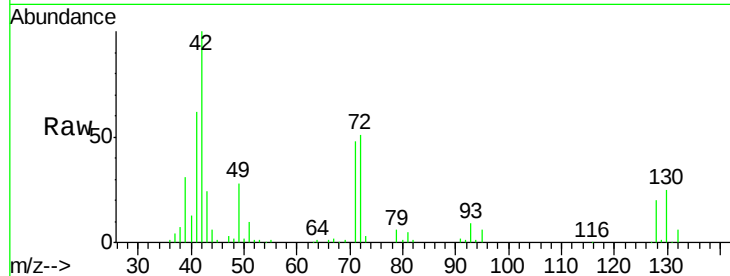
#29
Tetrahydrofuran
Concen: 251.267 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	33.1	49.7
71	46.2	31.4	47.0

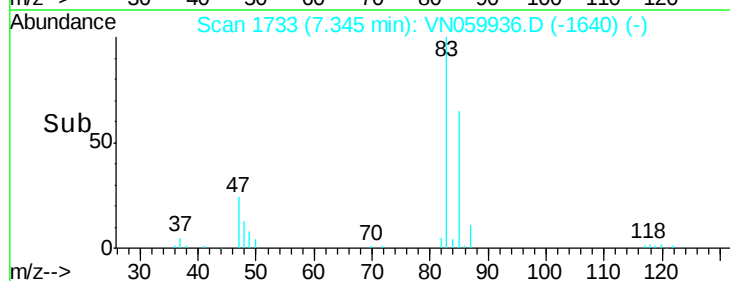
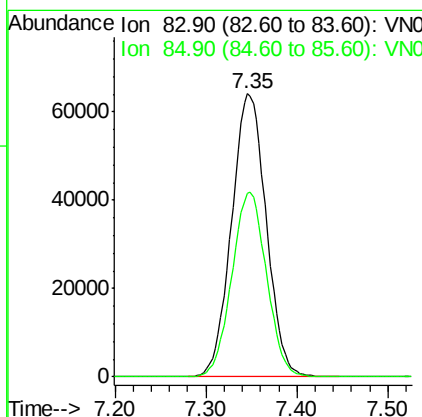
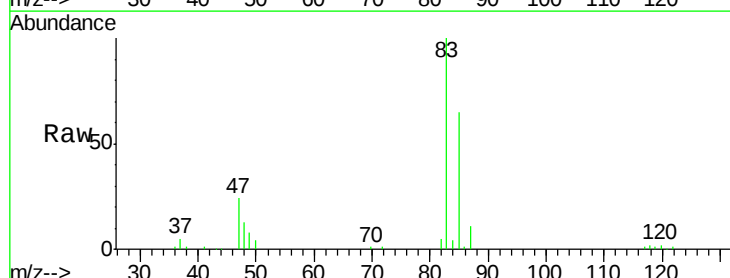
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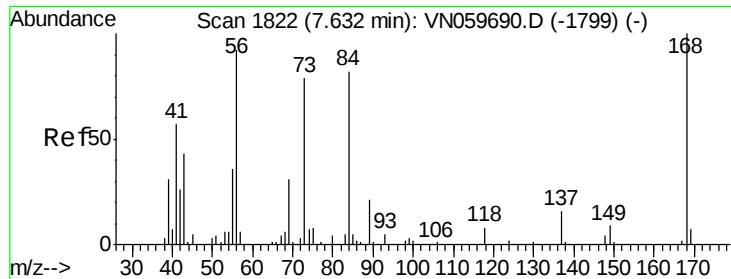
MMDadoda
2/3/2020 10:40:52 AM



#30
Chloroform
Concen: 52.171 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





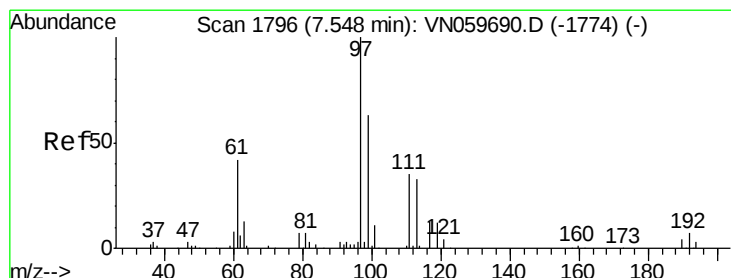
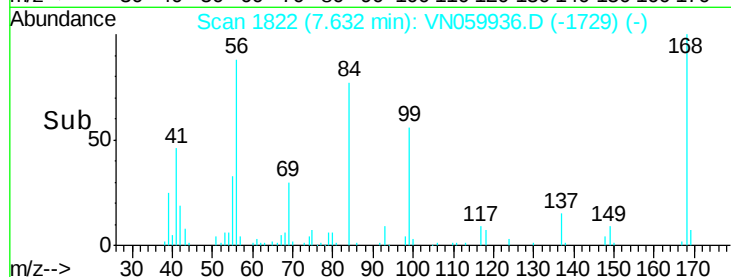
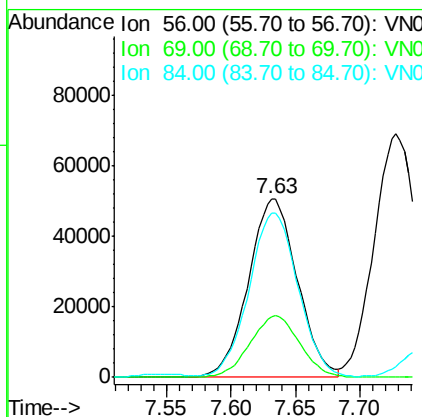
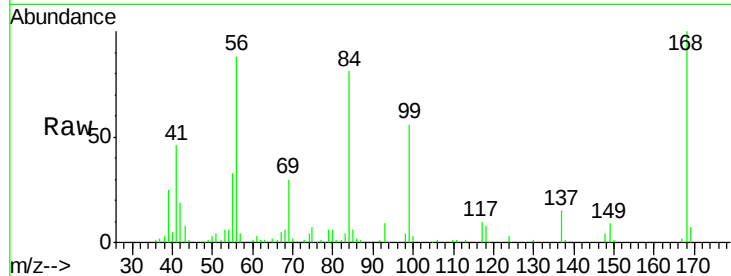
#31
Cyclohexane
Concen: 44.380 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.5	39.7
84	90.9	65.3	97.9

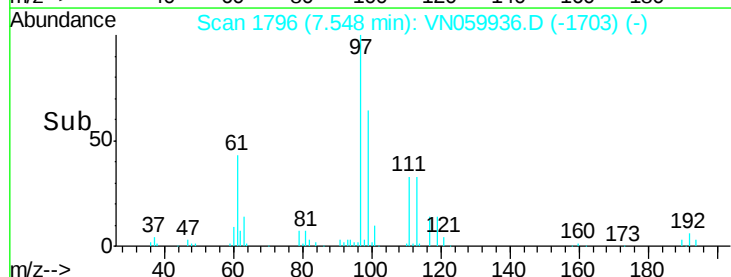
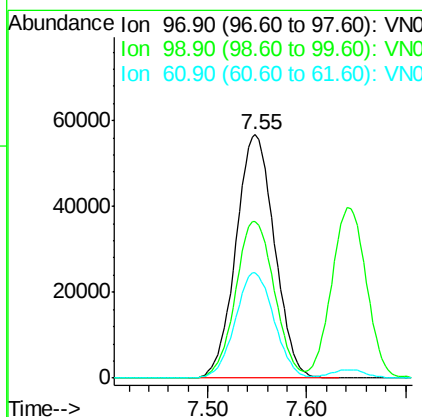
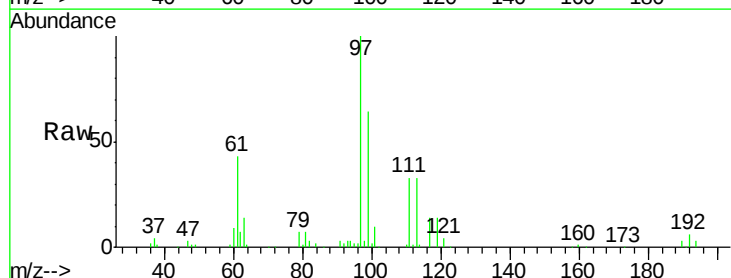
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#32
1,1,1-Trichloroethane
Concen: 51.152 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	43.6	38.5	57.7





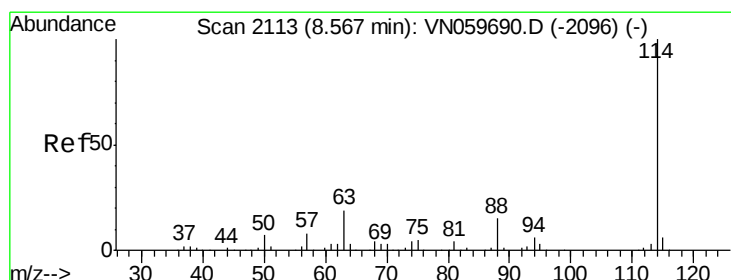
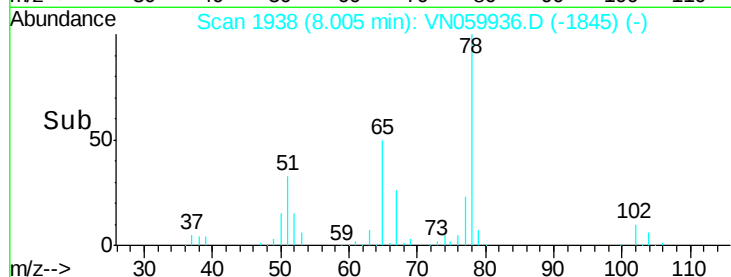
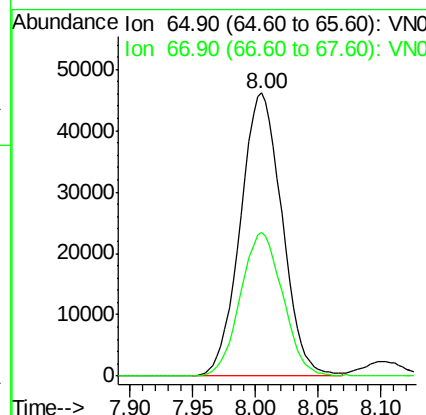
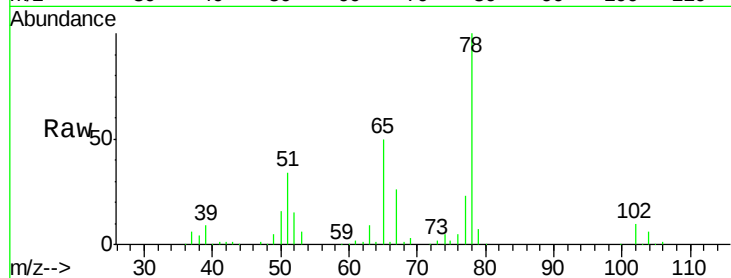
#33
 1,2-Dichloroethane-d4
 Concen: 52.309 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	103.0	

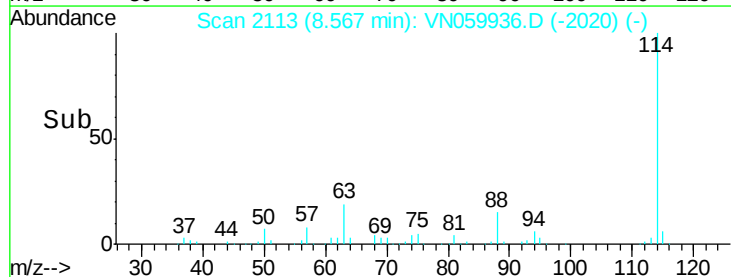
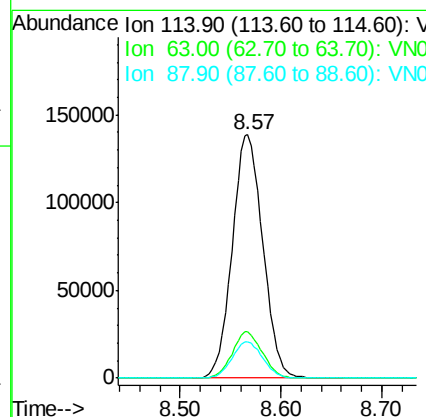
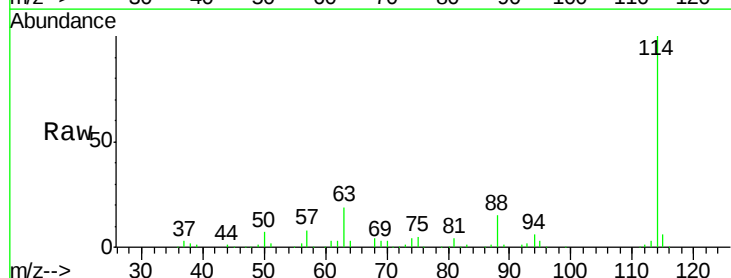
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	43.6	
88	14.9	0.0	31.4	





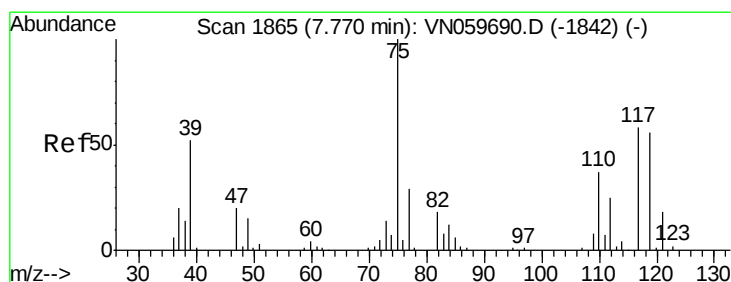
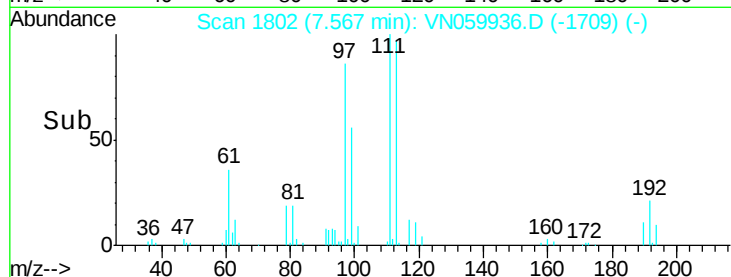
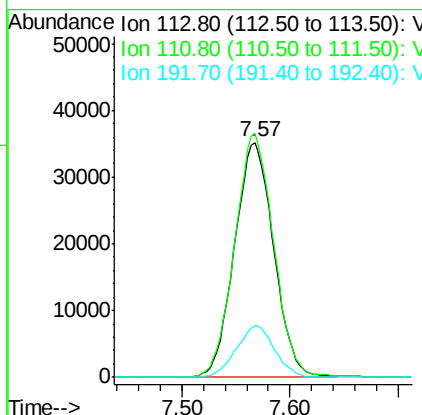
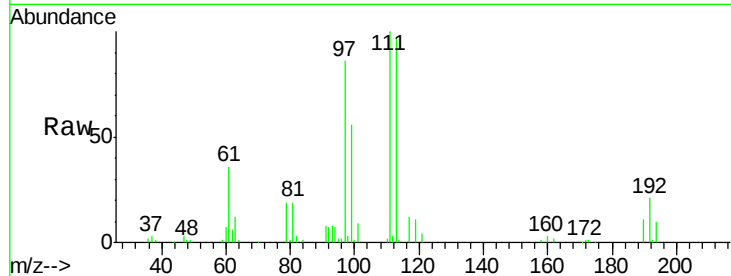
#35
 Dibromofluoromethane
 Concen: 51.014 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88838		
111	103.2	83.5	125.3	
192	21.3	15.4	23.2	

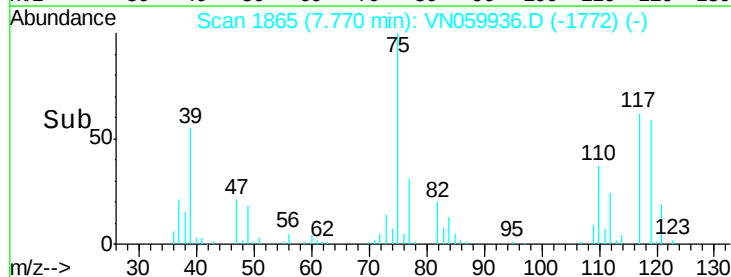
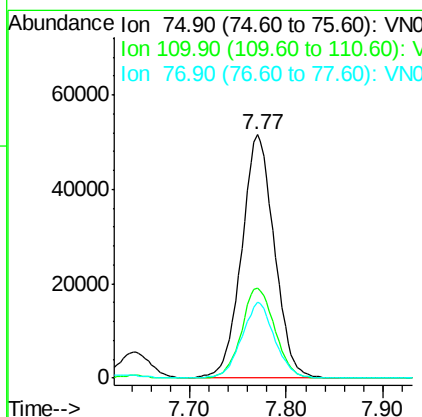
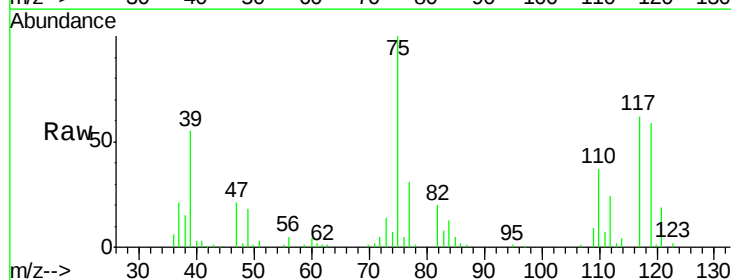
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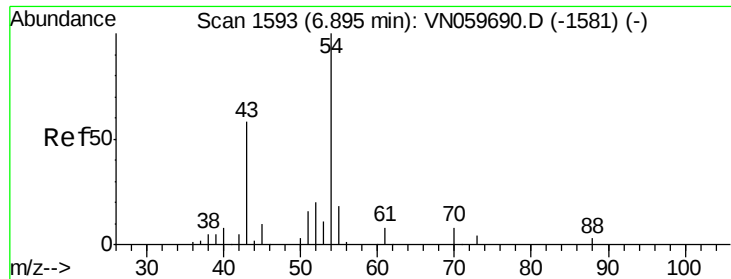
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#36
 1,1-Dichloropropene
 Concen: 47.543 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120903		
110	37.5	16.6	49.7	
77	31.3	25.1	37.7	





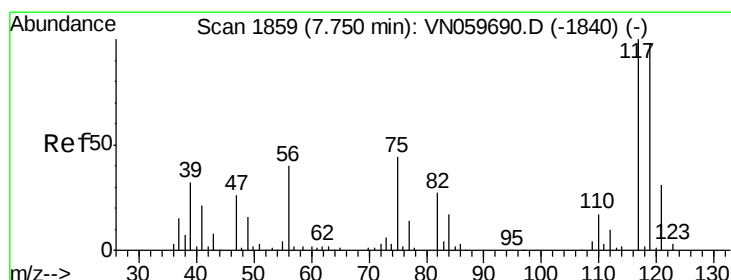
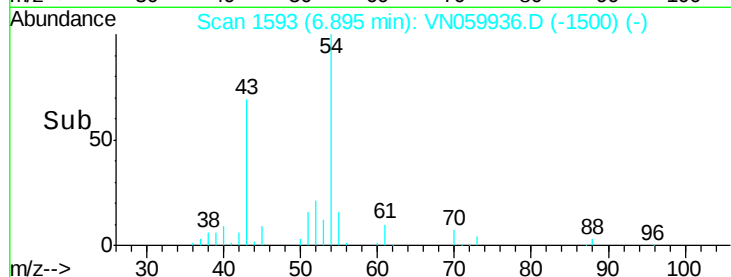
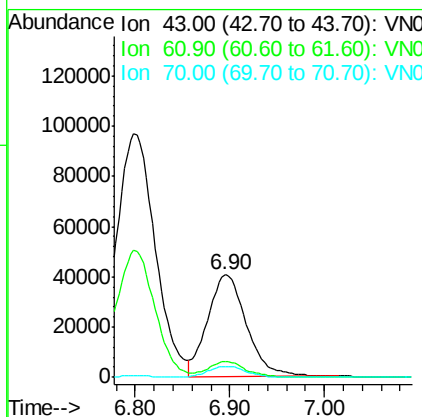
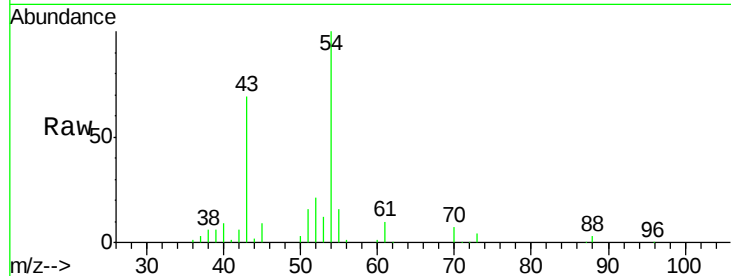
#37
Ethyl Acetate
Concen: 48.740 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	116252		
Ratio	100	15.4	10.7
Lower		10.9	7.7
Upper		16.3	11.5

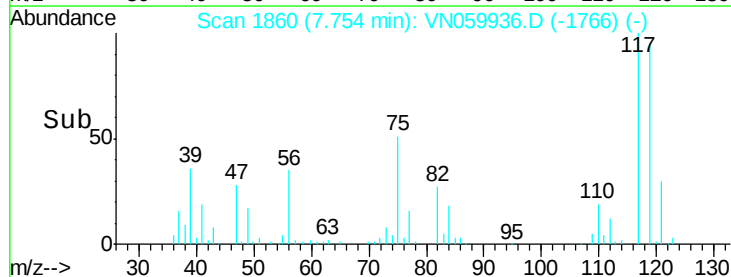
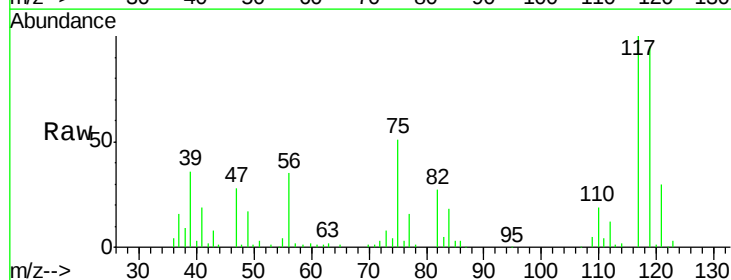
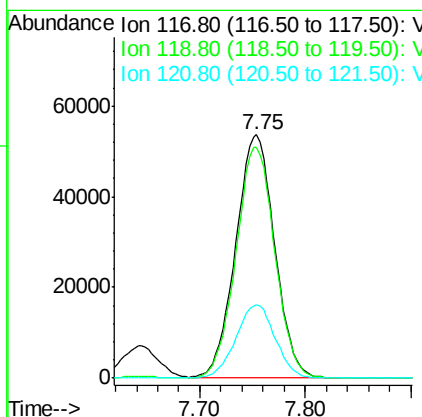
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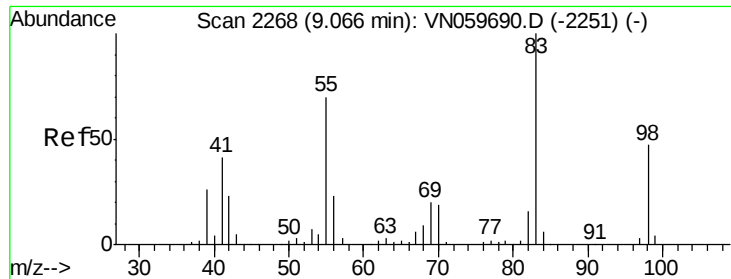
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#38
Carbon Tetrachloride
Concen: 49.810 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	117	119	121
Resp	137788		
Ratio	100	94.8	30.4
Lower		76.5	25.1
Upper		114.7	37.7





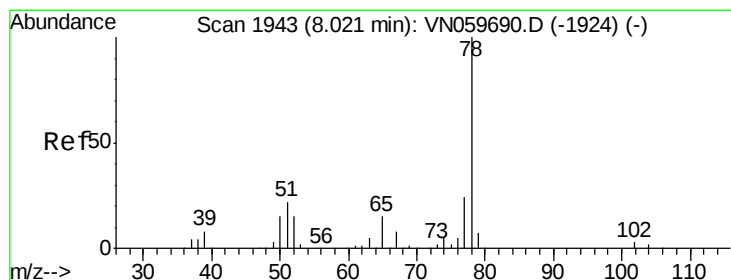
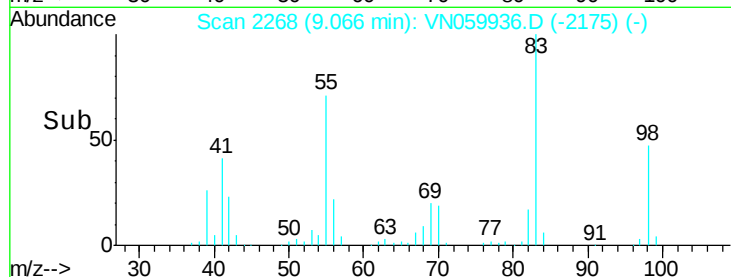
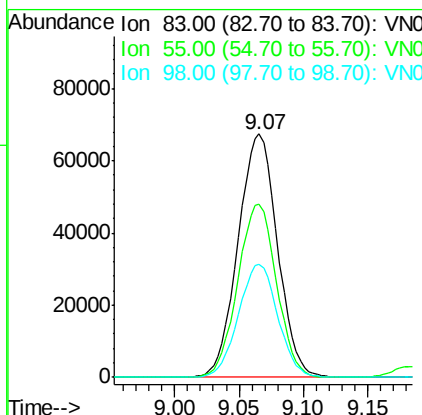
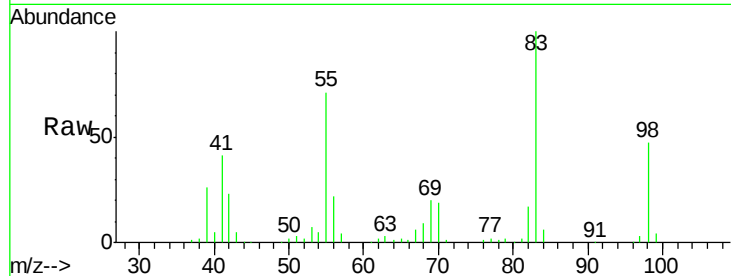
#39
Methvlcvclohexane
Concen: 45.782 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	64.2	96.2
98	46.6	35.9	53.9

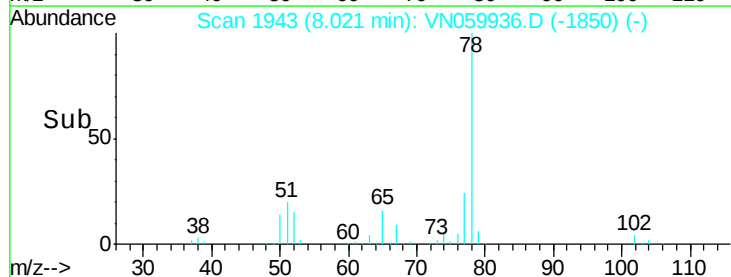
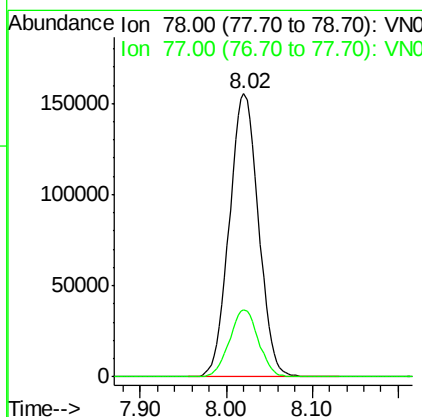
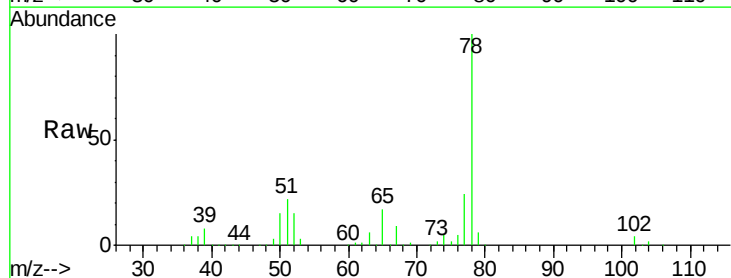
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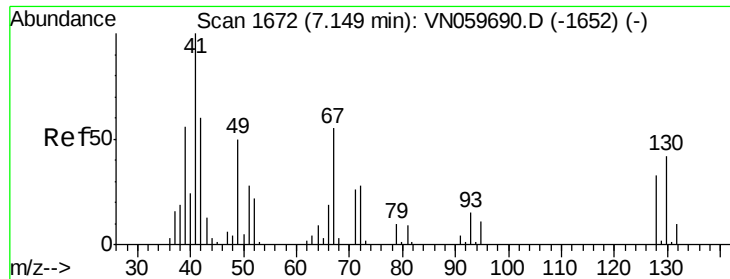
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#40
Benzene
Concen: 48.246 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





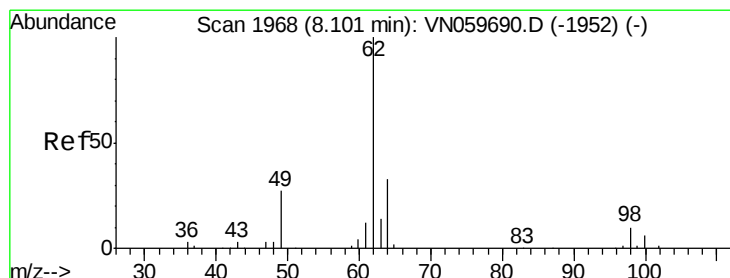
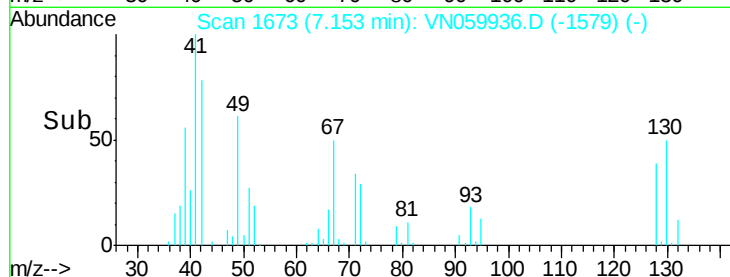
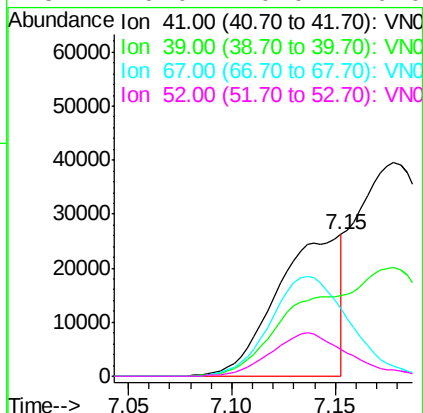
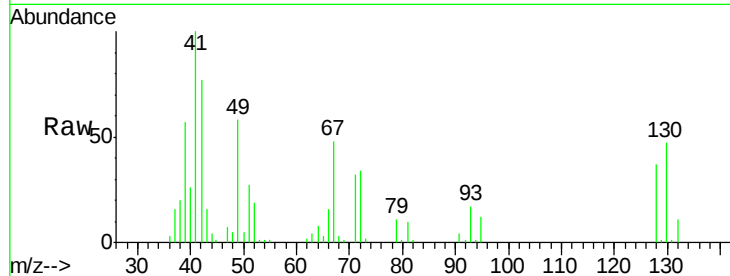
#41
Methacrylonitrile
Concen: 47.704 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	56044
Ion	Ratio	Lower	Upper
41	100		
39	160.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

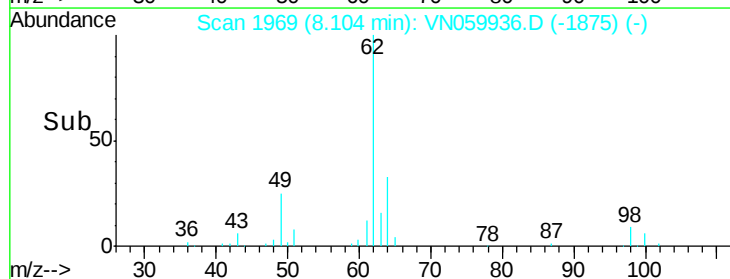
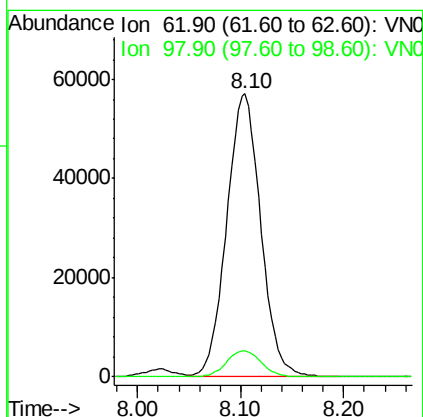
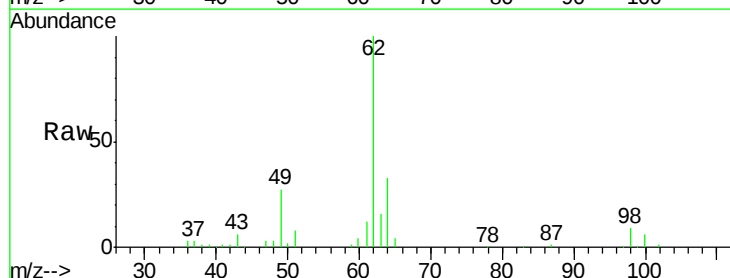
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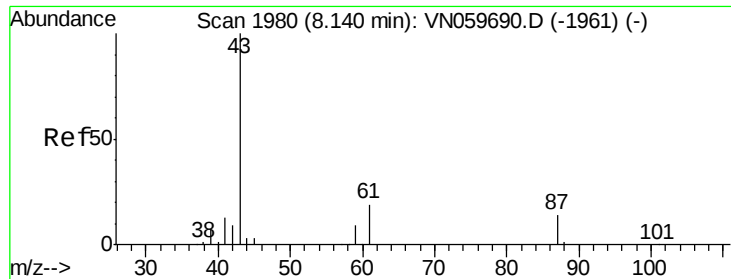
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#42
1,2-Dichloroethane
Concen: 51.118 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	62	Resp	131447
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8





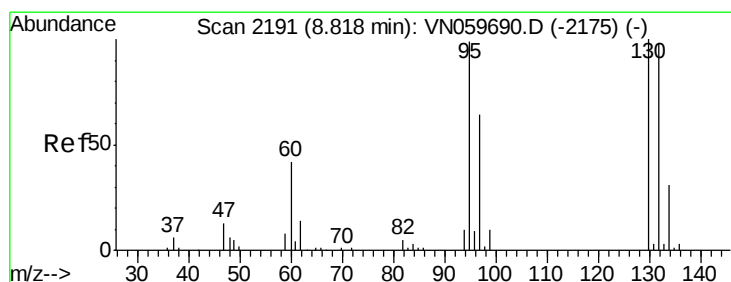
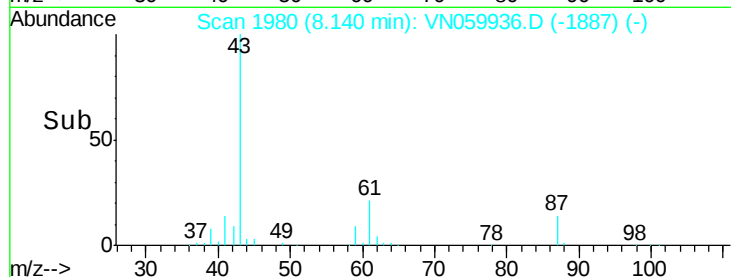
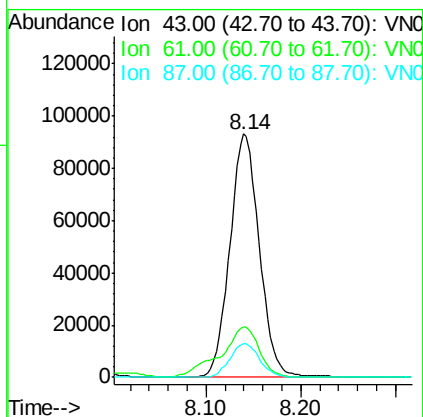
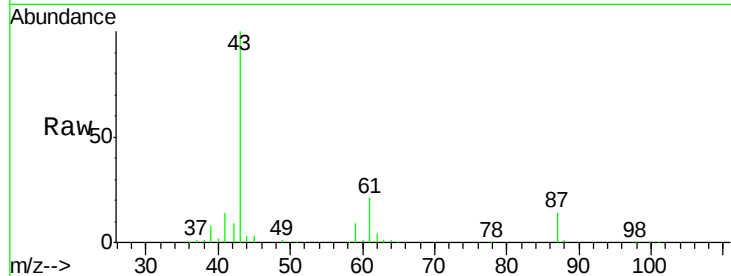
#43
Isopropyl Acetate
Concen: 49.227 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.2	30.2
87	14.1	9.5	14.3

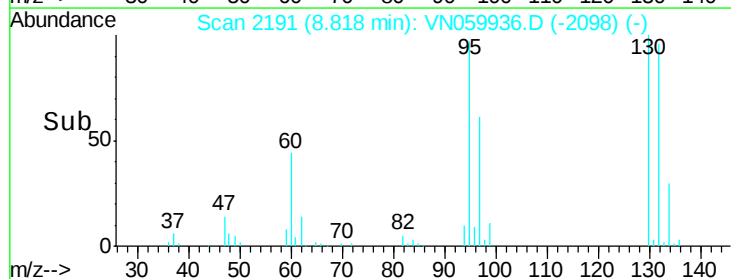
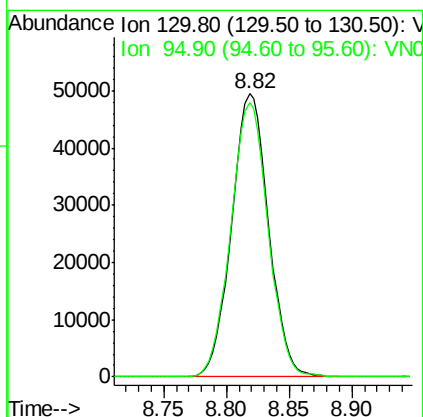
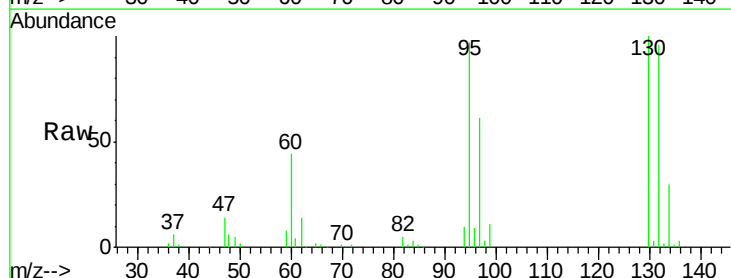
Manual Integrations
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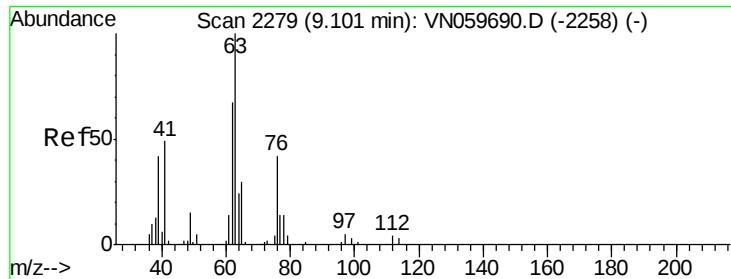
MMDadoda
2/3/2020 10:40:52 AM



#44
Trichloroethene
Concen: 48.805 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 50.323 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 94443

Ion Ratio Lower Upper

63 100

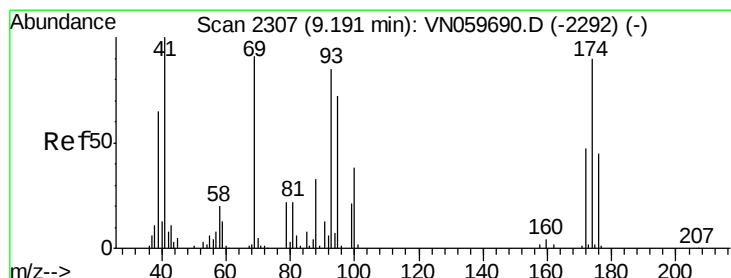
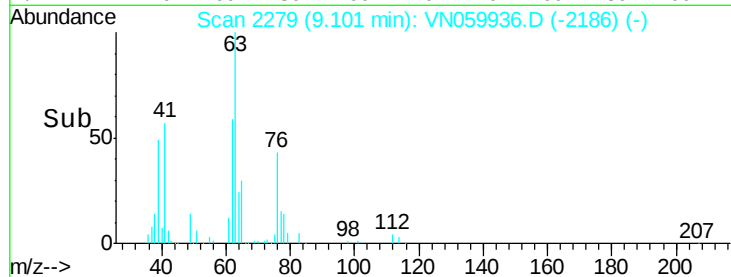
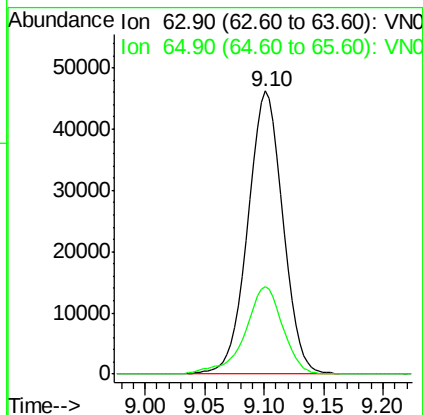
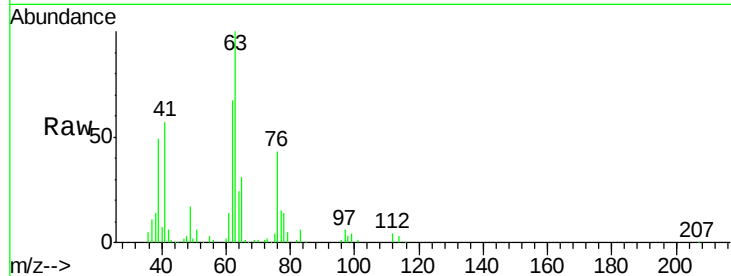
65 31.1 24.9 37.3

Manual Integrations

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2/3/2020 10:40:52 AM



#46

Dibromomethane

Concen: 50.915 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

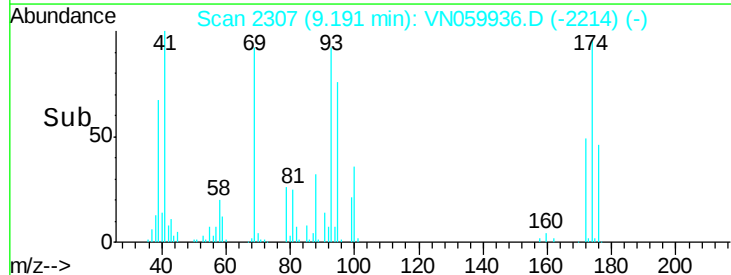
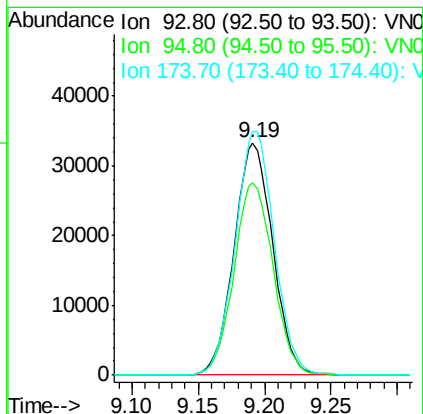
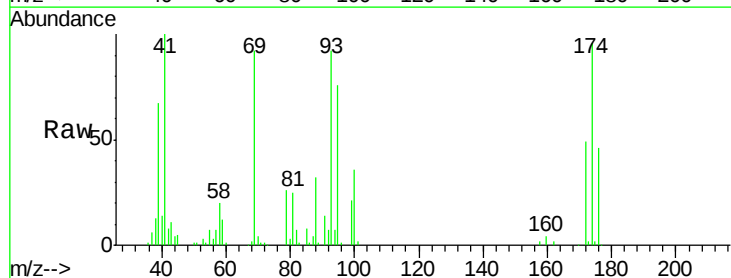
Tgt Ion: 93 Resp: 67404

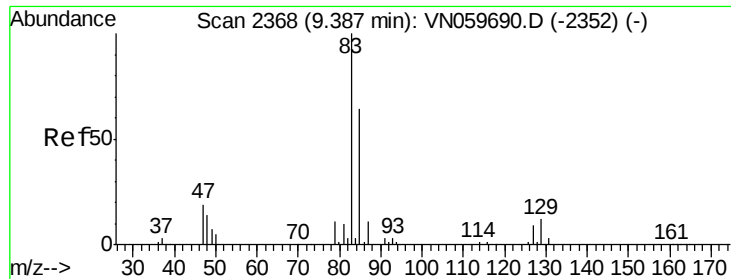
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 106.0 73.4 110.2





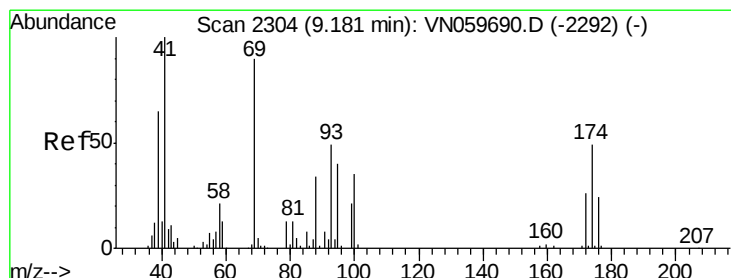
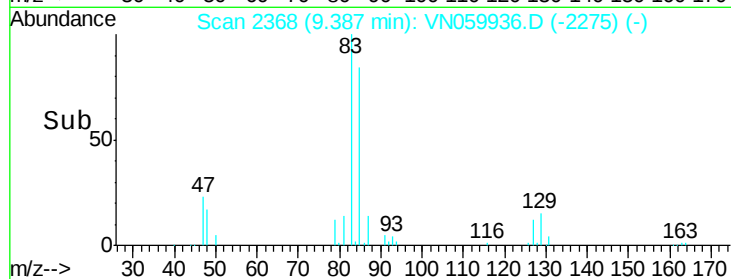
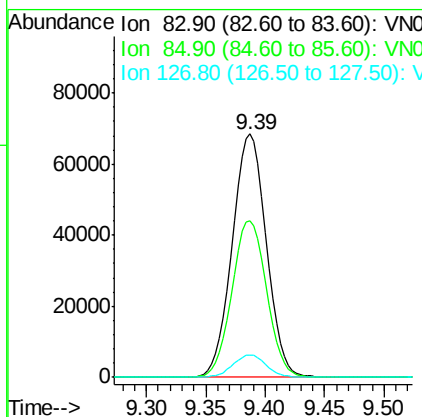
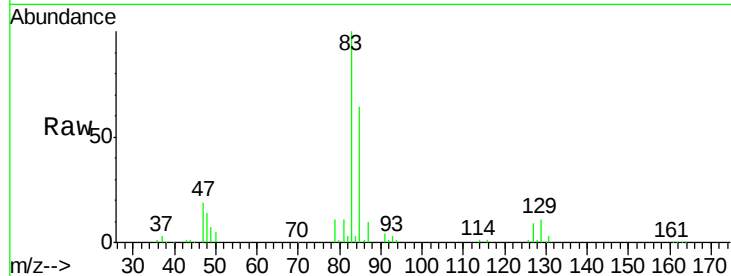
#47
Bromodichloromethane
Concen: 51.126 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136394
Ion Ratio	100		
85	64.3	51.1	76.7
127	9.2	6.6	9.8

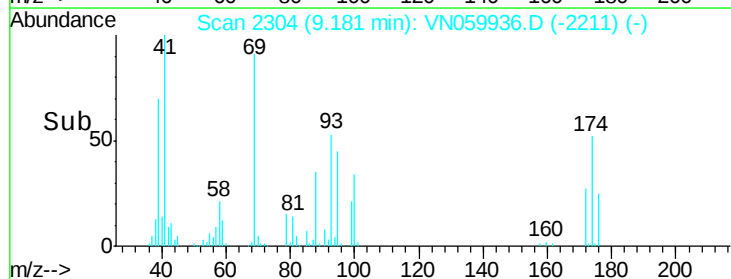
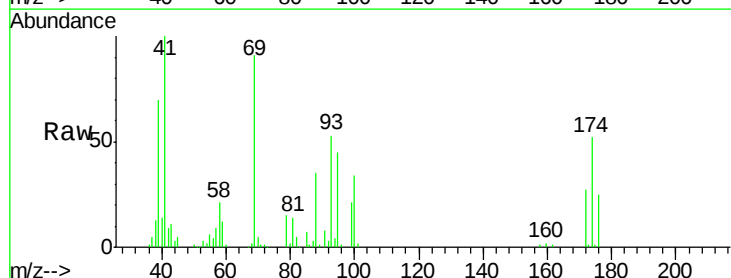
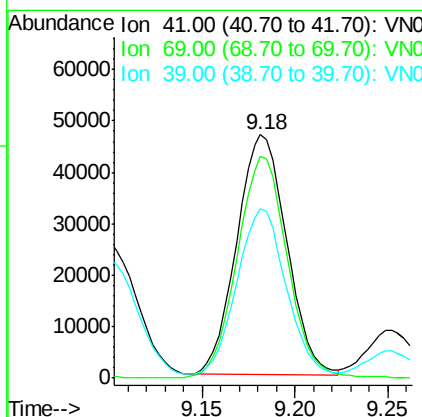
Manual Integrations
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#48
Methyl methacrylate
Concen: 47.639 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	41	Resp	87421
Ion Ratio	100		
69	92.9	64.4	96.6
39	71.2	51.3	76.9





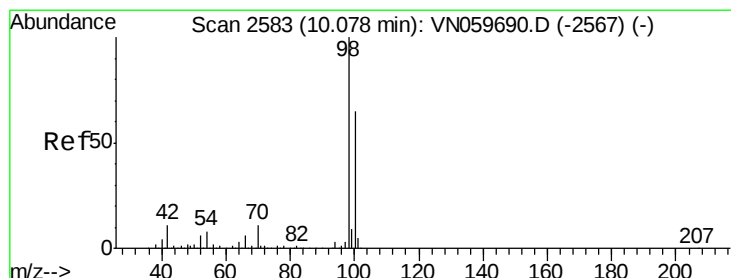
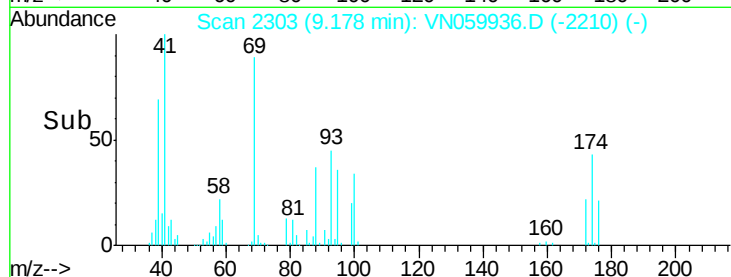
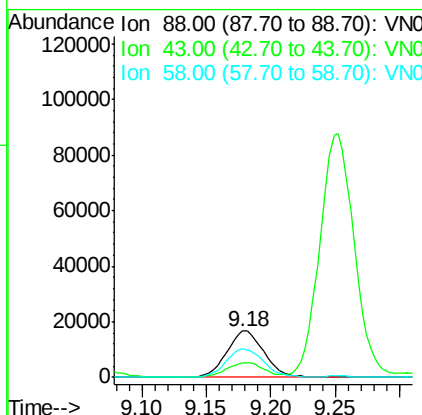
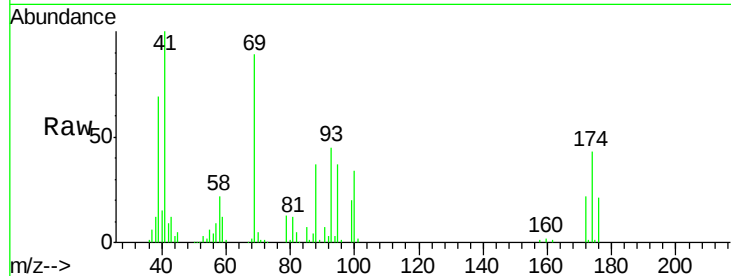
#49
1,4-Dioxane
Concen: 995.942 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	29.7	44.5
58	62.5	56.6	85.0

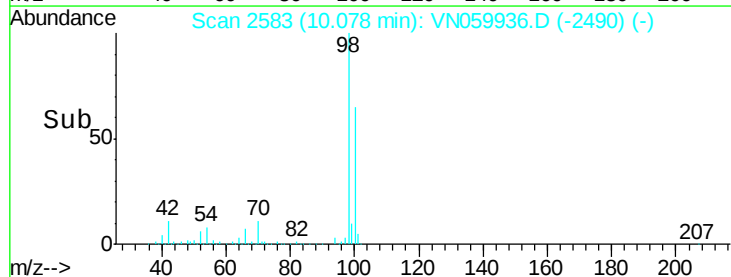
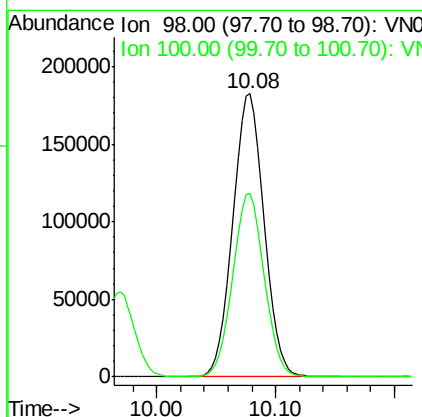
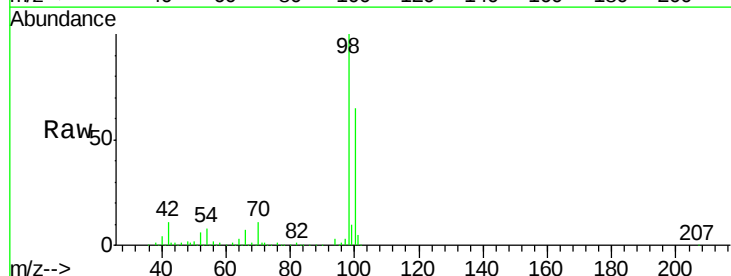
Manual Integrations
APPROVED

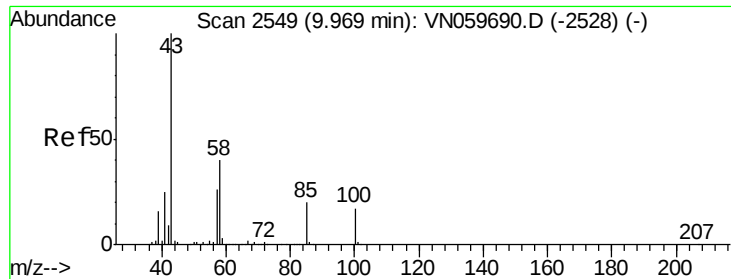
MMDadoda
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#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 251.373 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 596145

Ion Ratio Lower Upper

43 100

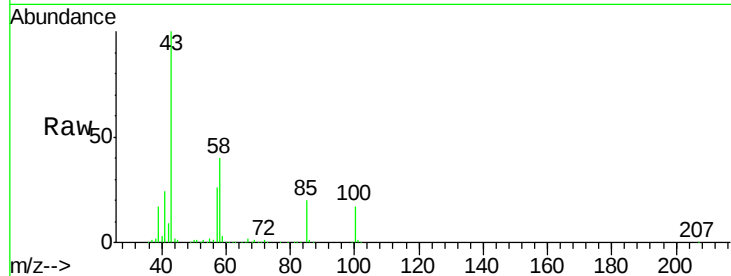
58 40.0 29.8 44.8

Manual Integrations

APPROVED

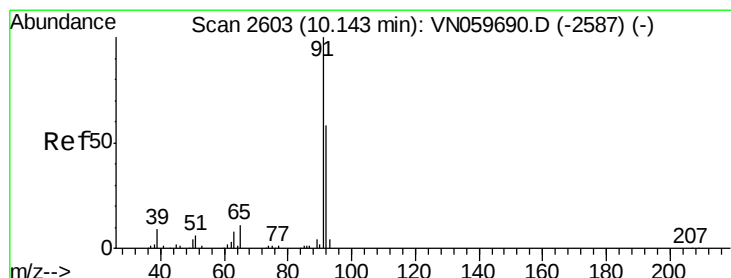
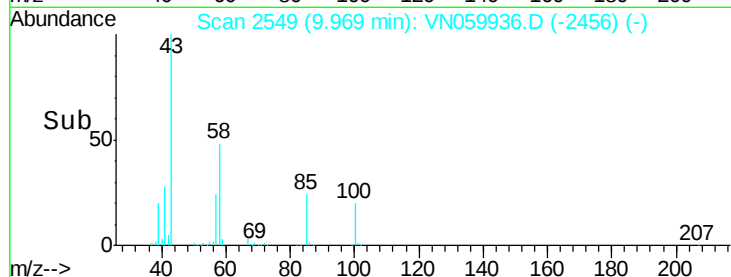
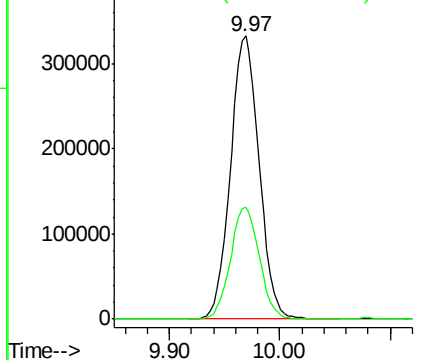
MMDadoda

2/3/2020 10:40:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.621 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059936.D

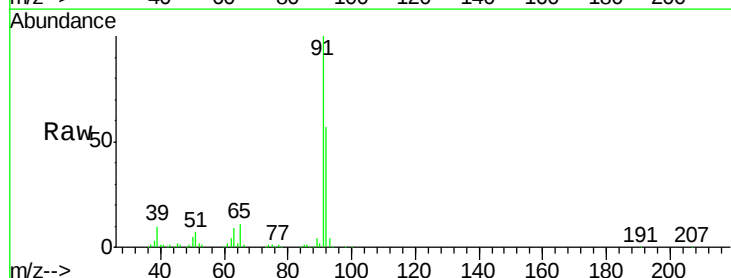
Acq: 30 Jan 2020 18:01

Tgt Ion: 92 Resp: 237711

Ion Ratio Lower Upper

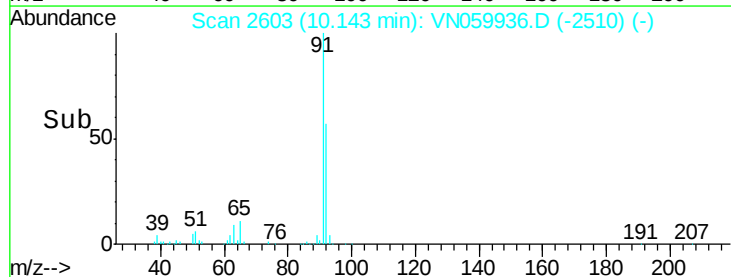
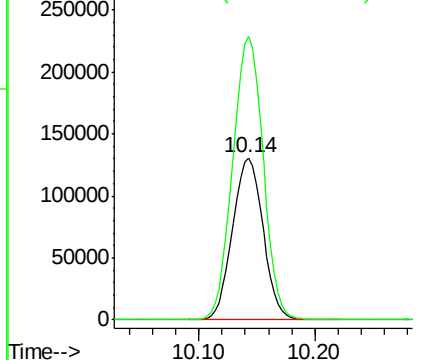
92 100

91 174.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





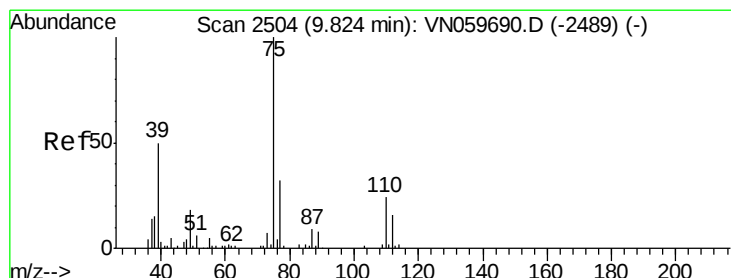
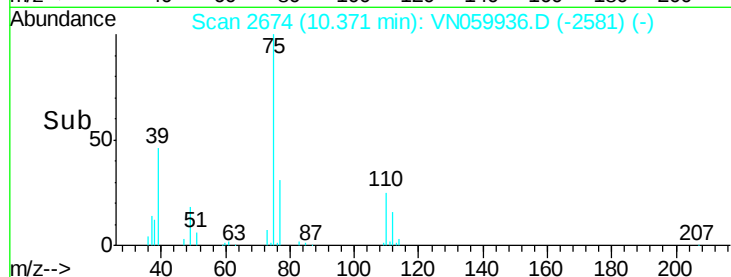
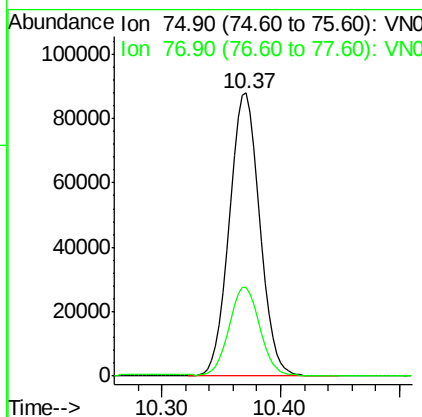
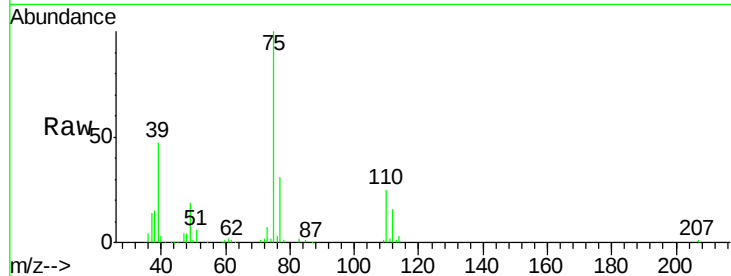
#53
t-1,3-Dichloropropene
Concen: 52.298 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 155785
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

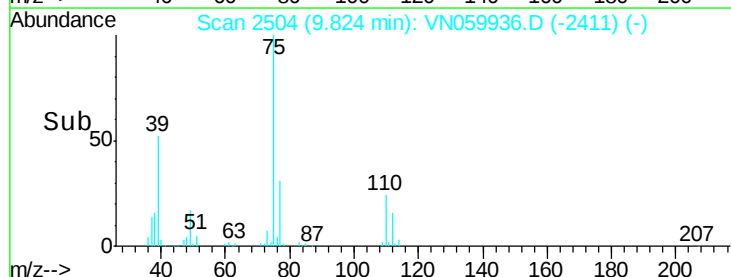
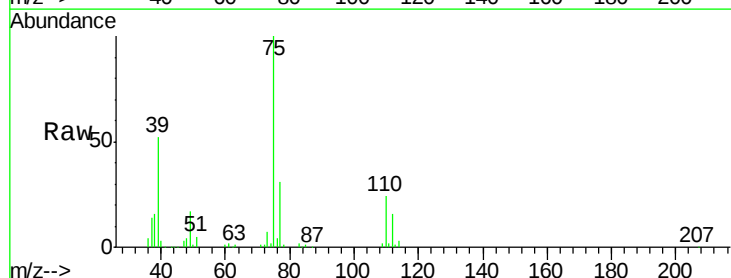
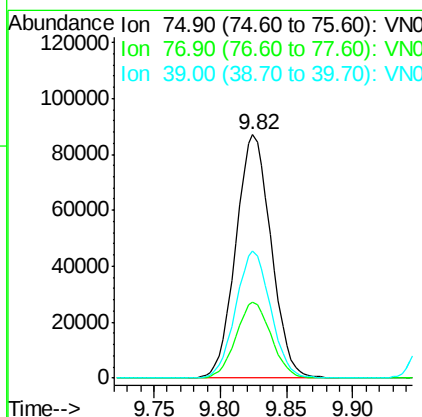
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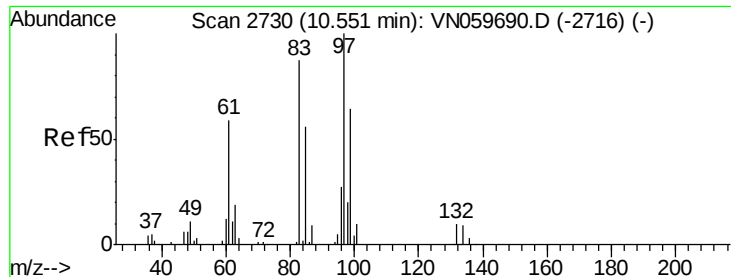
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.320 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion: 75 Resp: 160849
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7
39 52.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 50.922 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

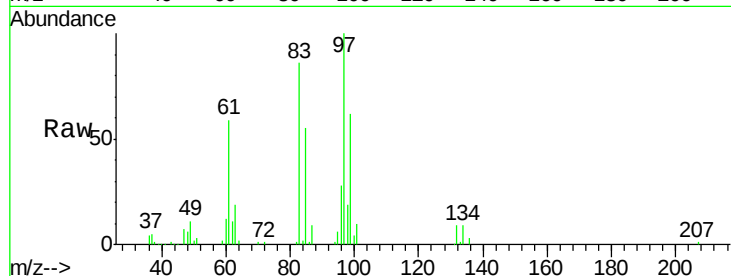
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	96616
Ion	Ratio	Lower	Upper
97	100		
83	85.8	71.3	106.9
85	54.8	45.8	68.8
99	61.9	50.0	75.0

Manual Integrations
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MMDadoda
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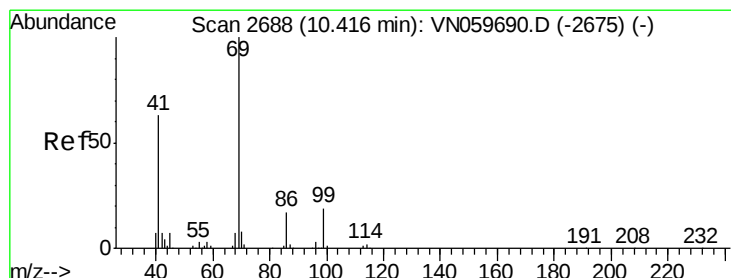
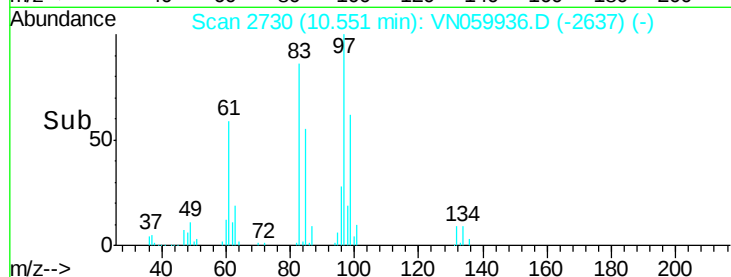
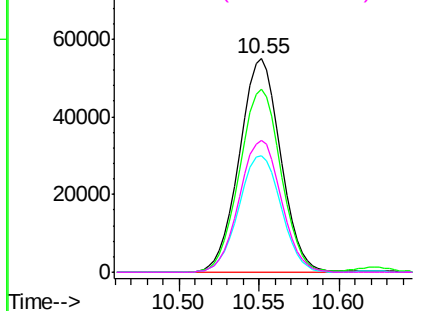
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.316 ug/l

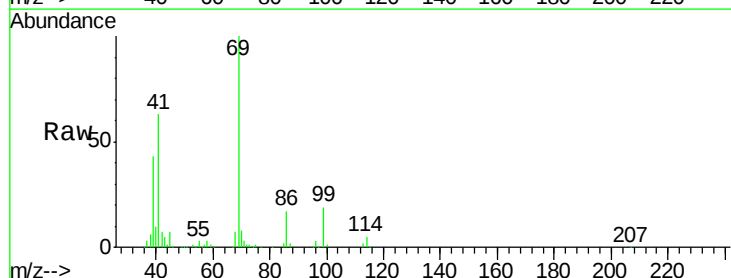
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	69	Resp:	142974
Ion	Ratio	Lower	Upper
69	100		
41	62.5	57.1	85.7
39	43.2	34.7	52.1

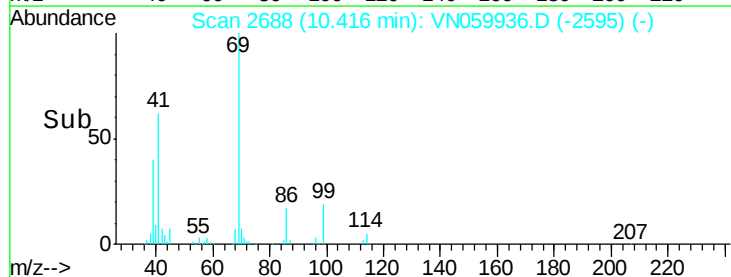
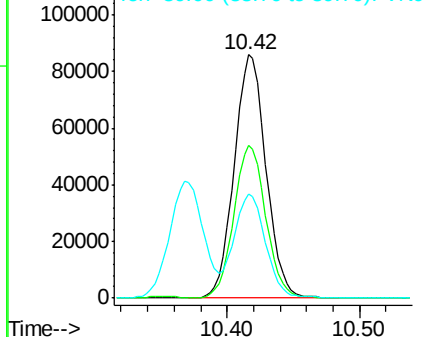


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





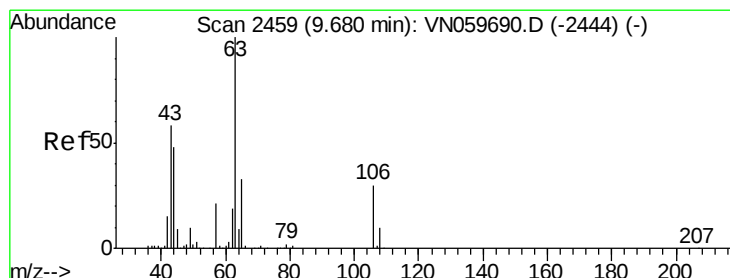
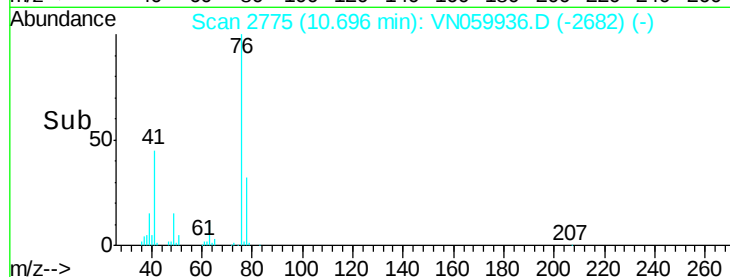
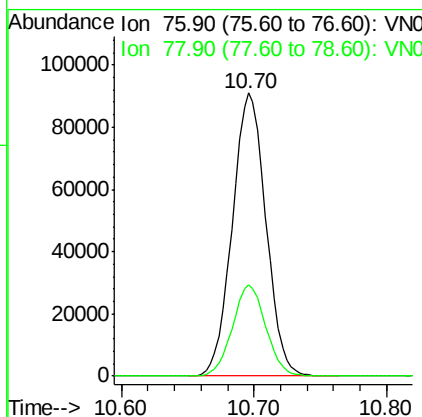
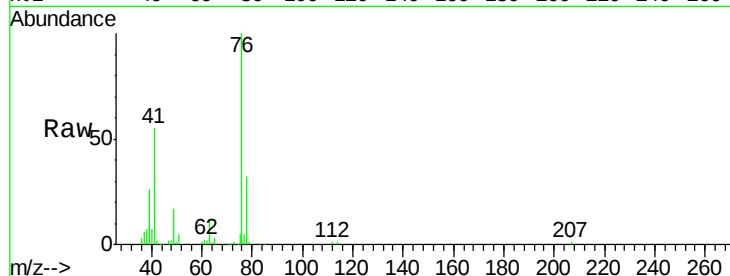
#57
 1,3-Dichloropropane
 Concen: 53.016 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

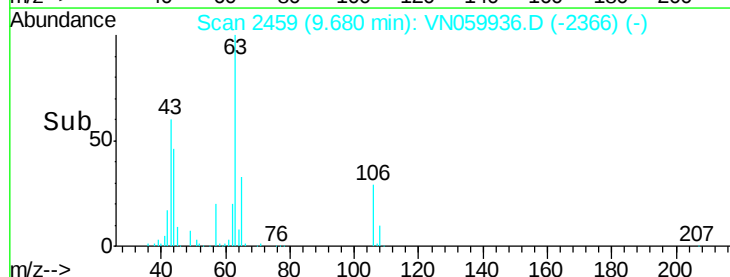
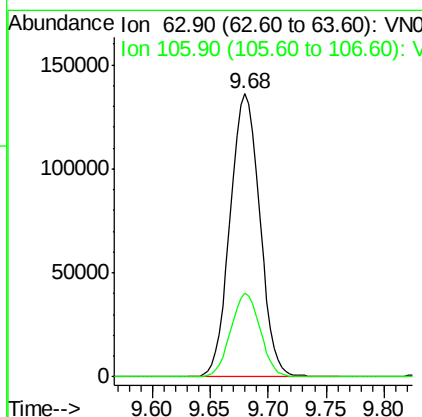
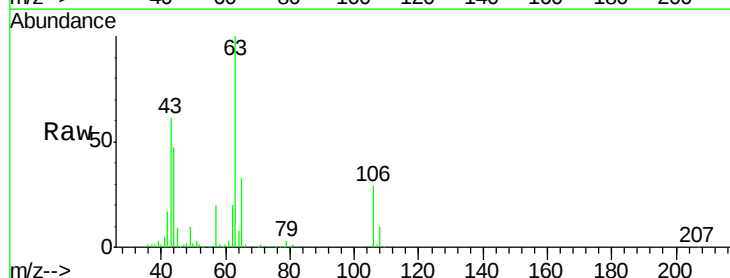
Manual Integrations
 APPROVED

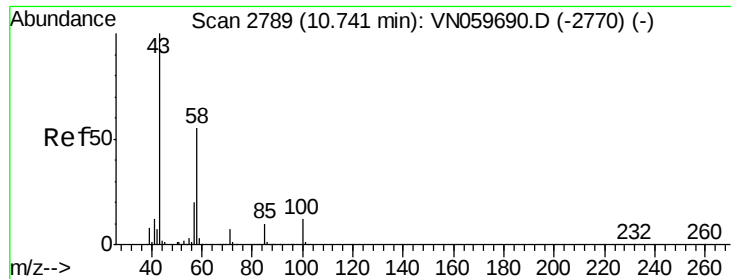
MMDadoda
 2/3/2020 10:40:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.312 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	20.2	30.2





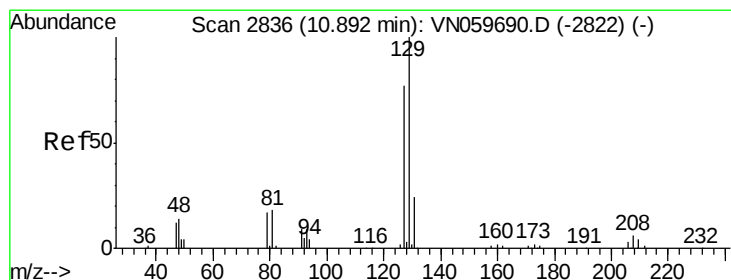
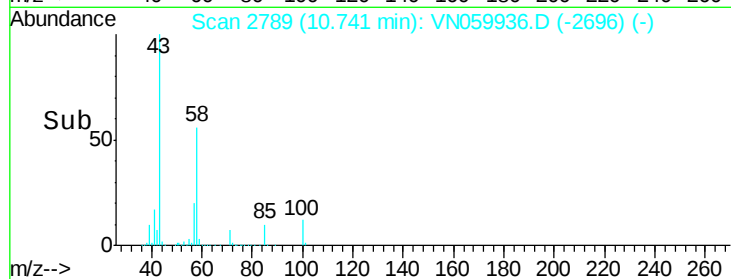
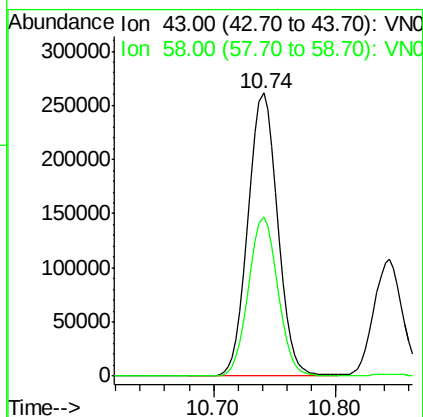
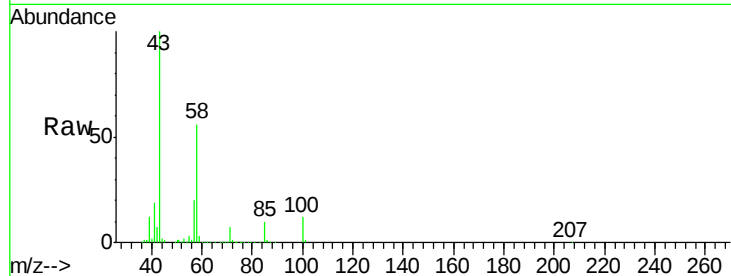
#59
2-Hexanone
Concen: 249.463 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 435845
Ion Ratio Lower Upper
43 100
58 55.9 25.8 77.3

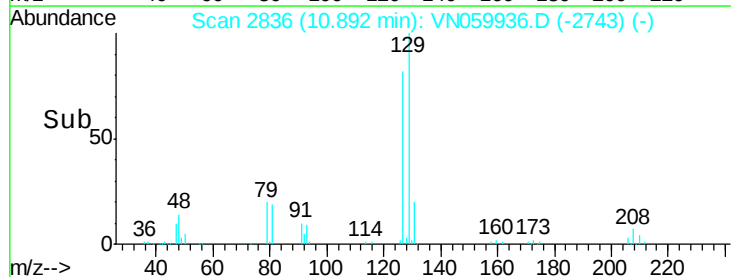
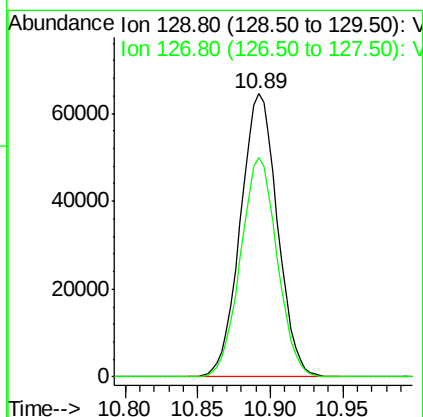
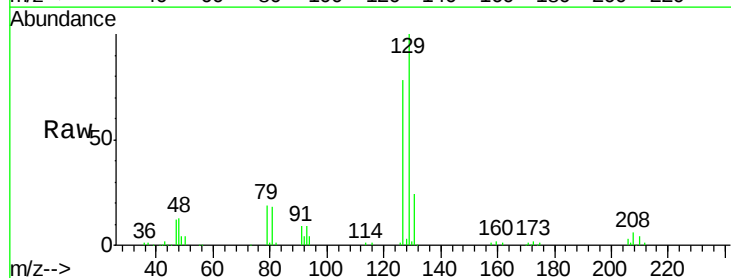
Manual Integrations
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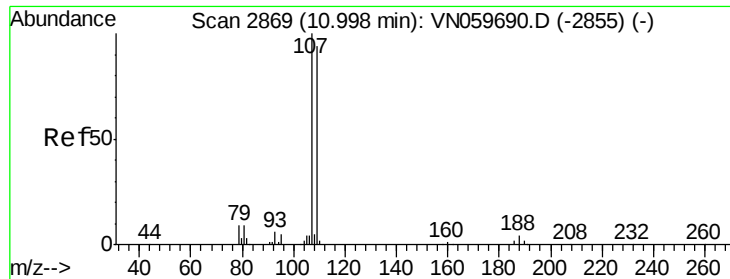
MMDadoda
2/3/2020 10:40:52 AM



#60
Dibromochloromethane
Concen: 53.046 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion: 129 Resp: 114613
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





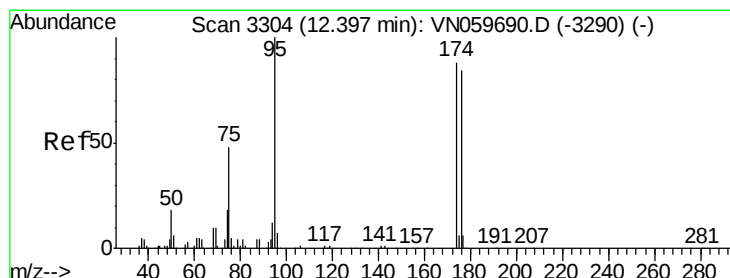
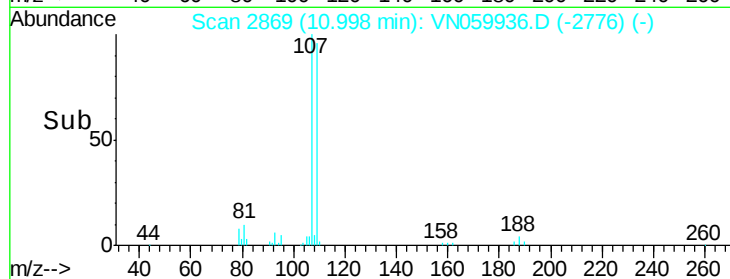
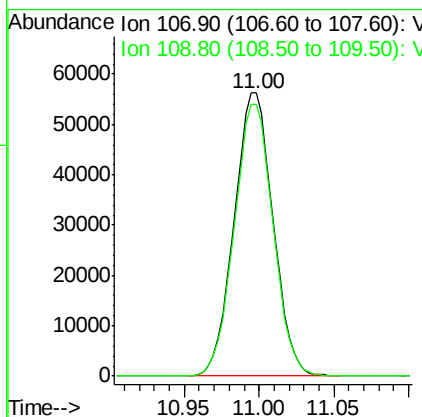
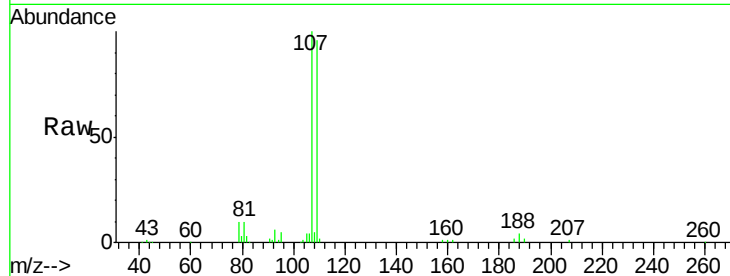
#61
 1,2-Dibromoethane
 Concen: 51.222 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.6	115.0

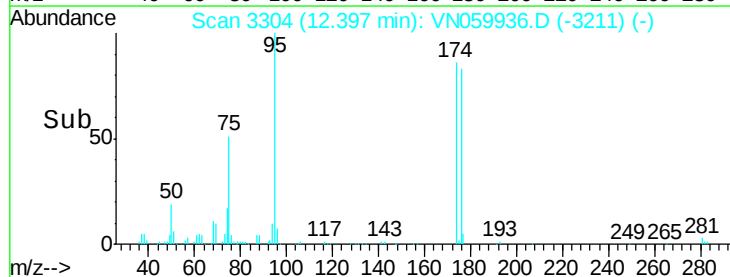
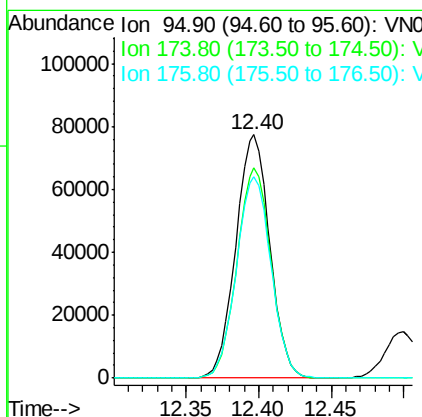
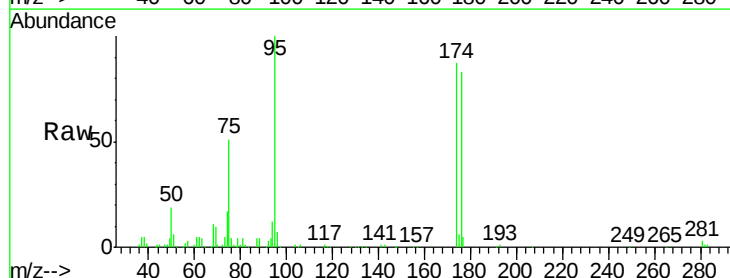
Manual Integrations
 APPROVED

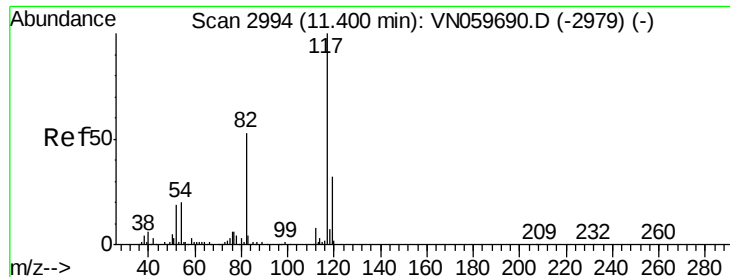
MMDadoda
 2/3/2020 10:40:52 AM



#62
 4-Bromofluorobenzene
 Concen: 51.838 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	151.4
176	84.2	0.0	146.0





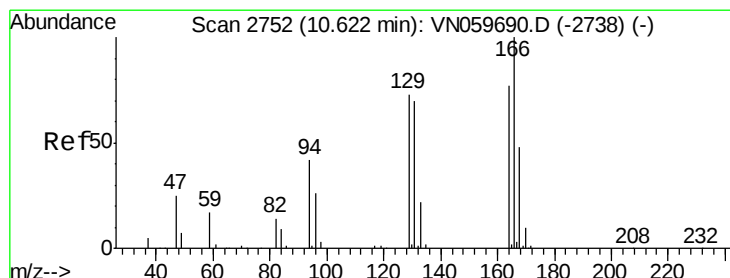
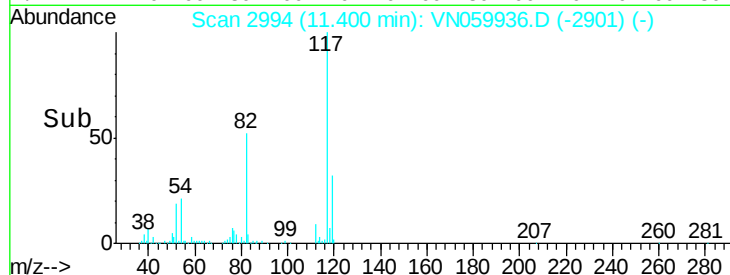
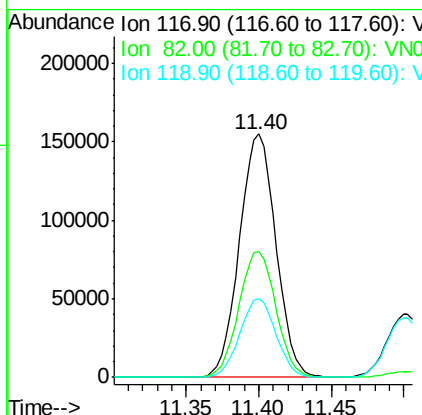
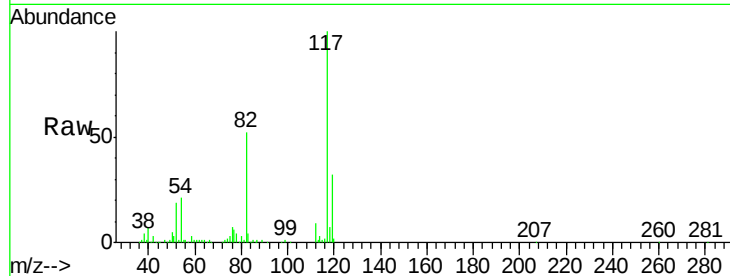
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	45.9	68.9
119	32.5	25.5	38.3

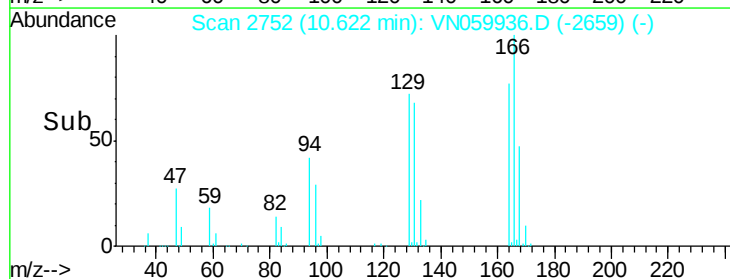
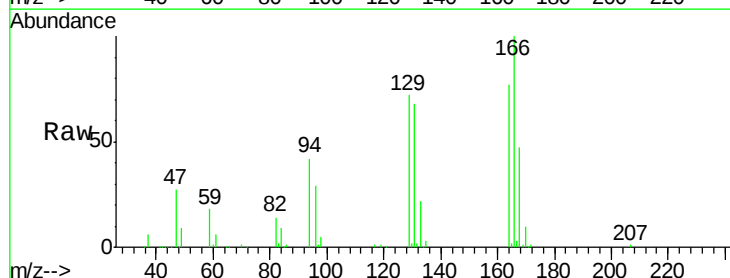
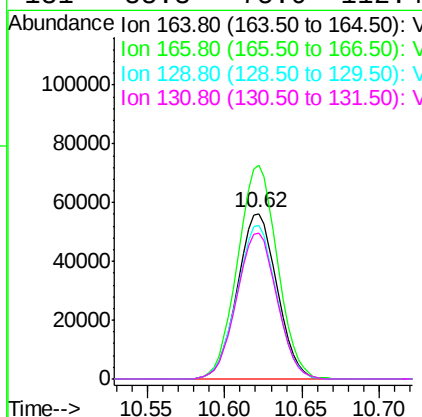
Manual Integrations
APPROVED

MMDadoda
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#64
Tetrachloroethene
Concen: 45.442 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.4	152.0
129	93.1	80.2	120.4
131	88.3	75.0	112.4





#65

Chlorobenzene

Concen: 49.252 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 262554

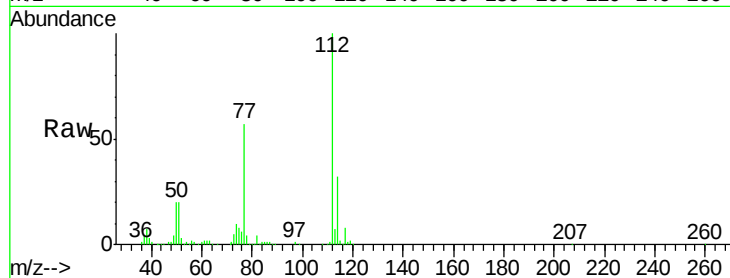
Ion Ratio Lower Upper

112 100

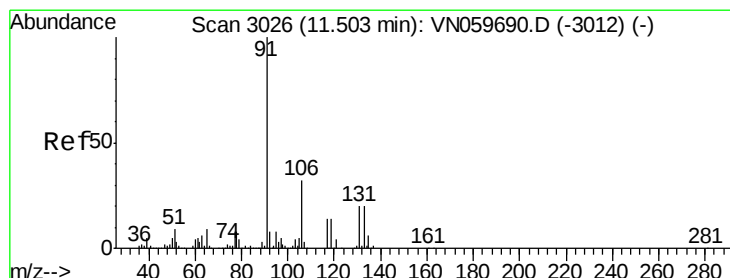
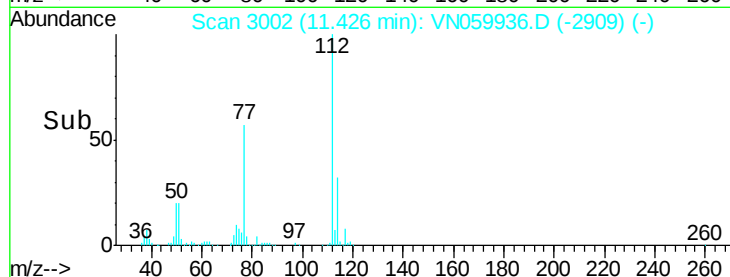
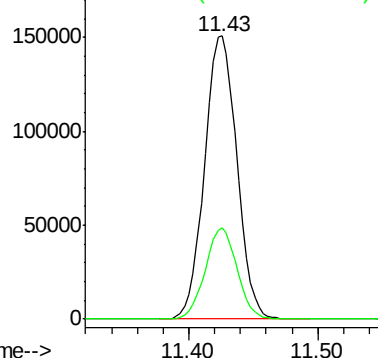
114 32.1 25.8 38.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.979 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

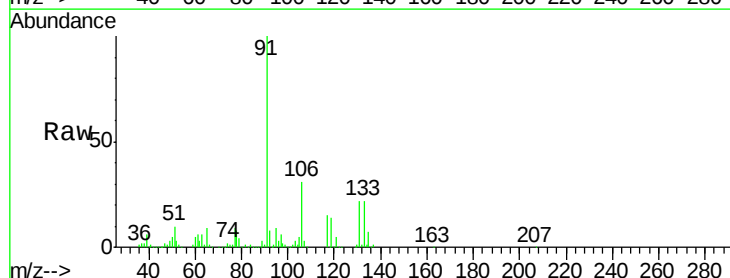
Tgt Ion:131 Resp: 105007

Ion Ratio Lower Upper

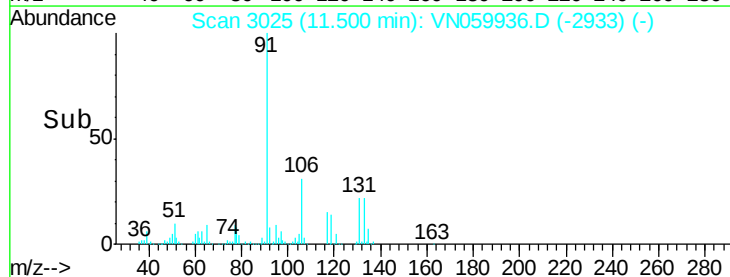
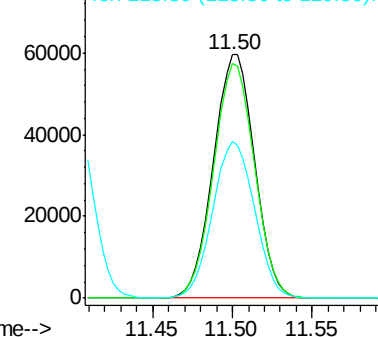
131 100

133 95.5 47.4 142.2

119 64.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.291 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 467321

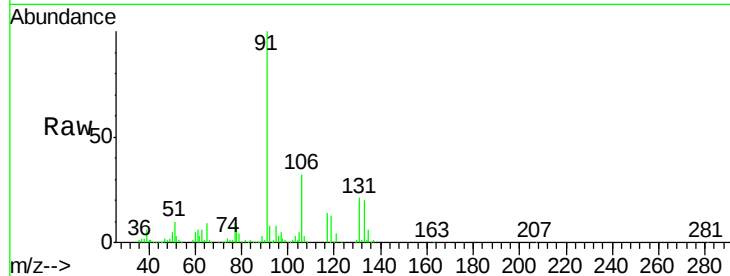
Ion Ratio Lower Upper

91 100

106 31.5 24.1 36.1

Manual Integrations
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2/3/2020 10:40:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059936.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN059936.D (-2933) (-)

400000

300000

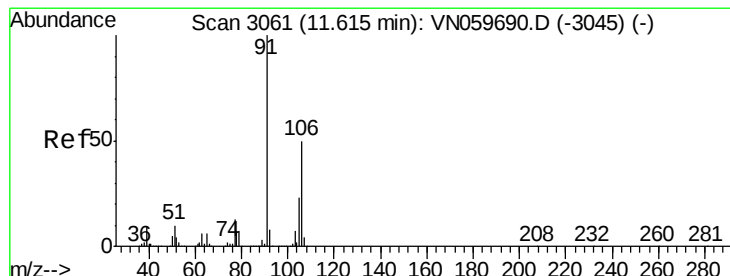
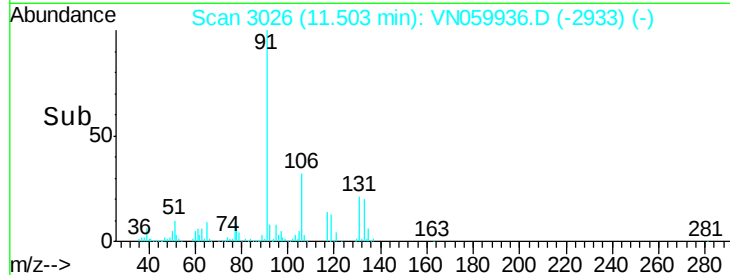
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 96.309 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059936.D

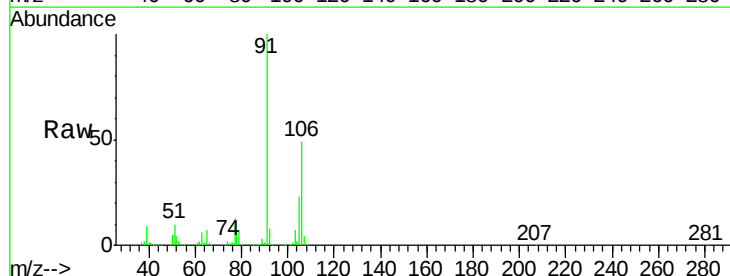
Acq: 30 Jan 2020 18:01

Tgt Ion: 106 Resp: 352056

Ion Ratio Lower Upper

106 100

91 202.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059936.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN059936.D (-2968) (-)

400000

300000

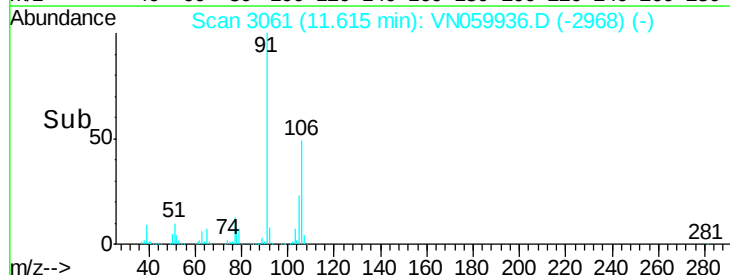
200000

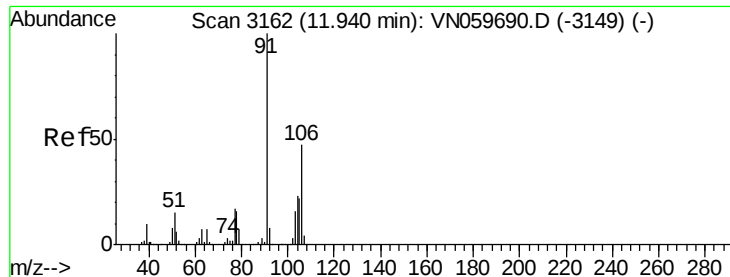
100000

0

11.50 11.60 11.70

Time-->





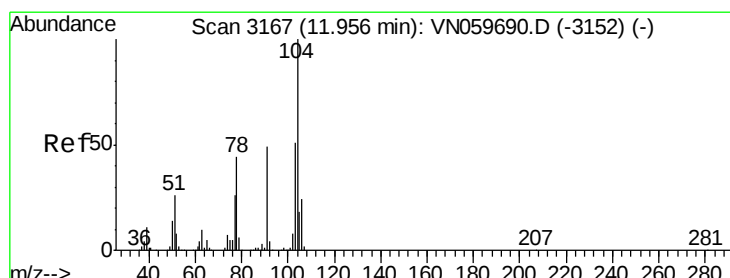
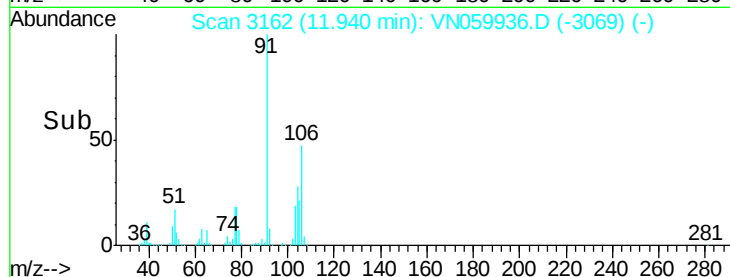
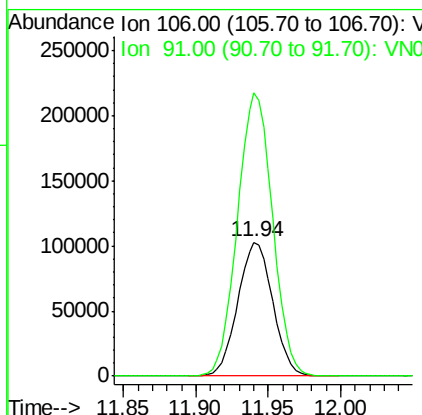
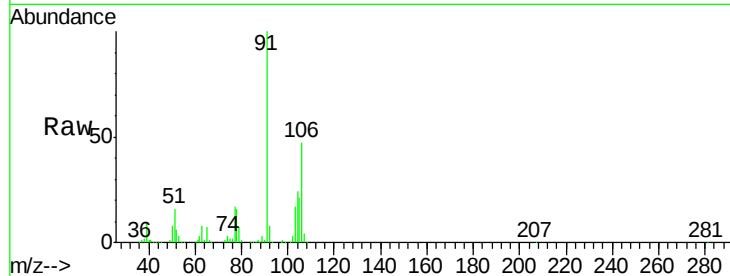
#69
o-Xylene
Concen: 48.033 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	212.7	110.3	330.9

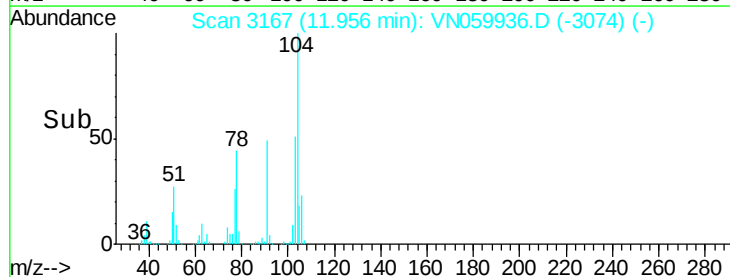
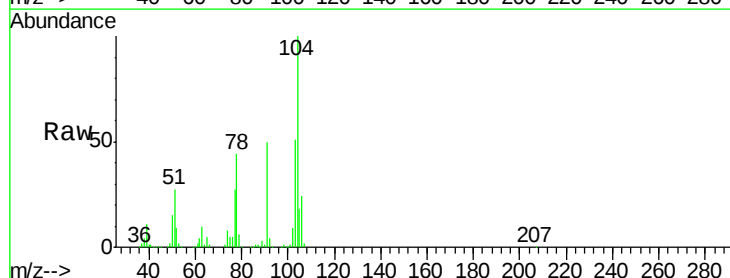
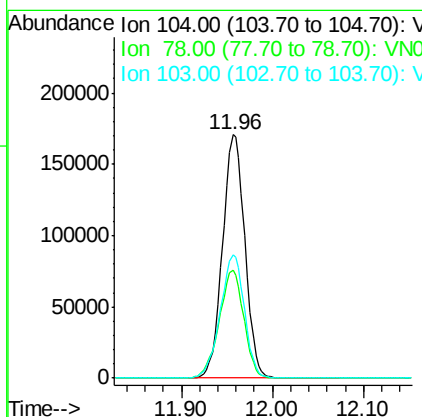
Manual Integrations
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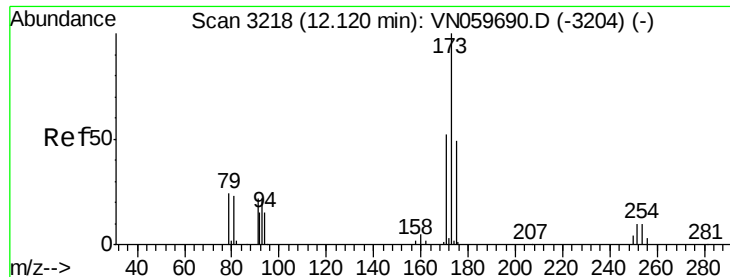
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#70
Styrene
Concen: 48.685 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	48.6	42.4	63.6
103	103	54.7	43.9	65.9





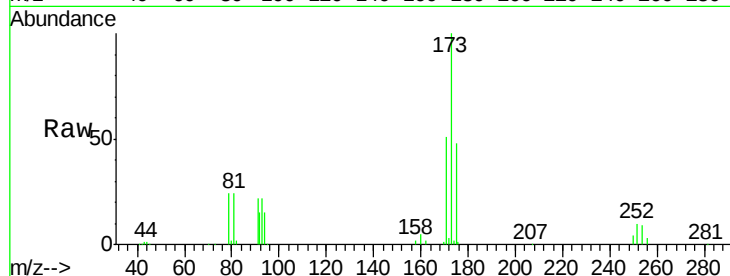
#71
Bromoform
Concen: 53.067 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

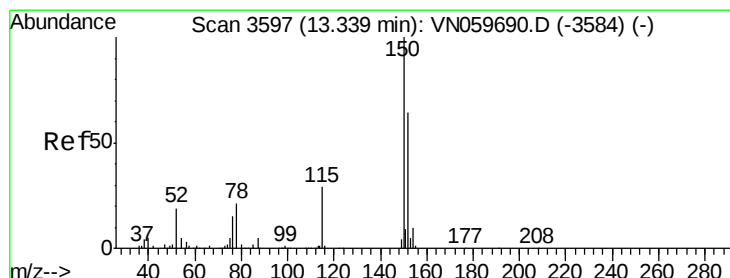
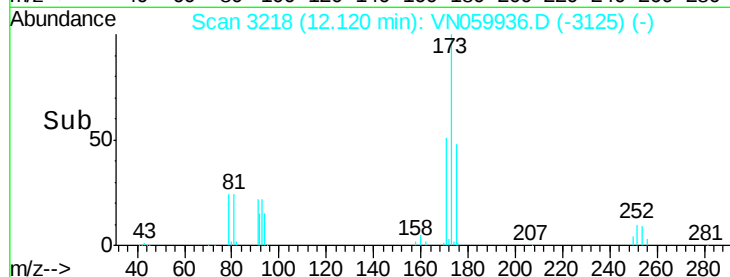
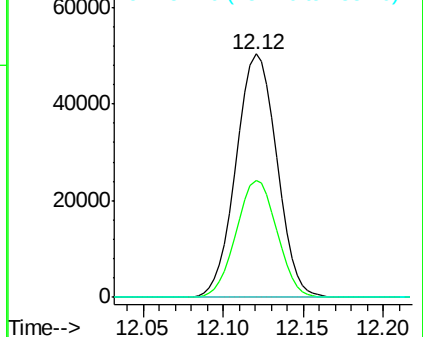
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.4
254	0.0	0.0	0.0

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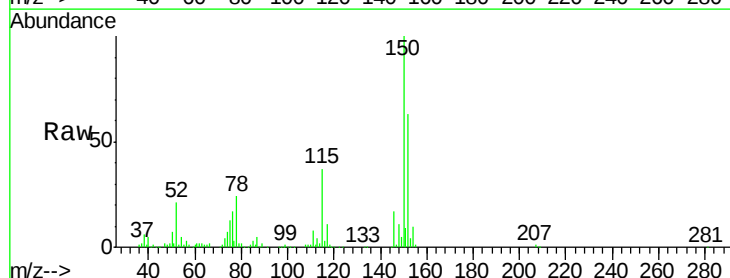


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

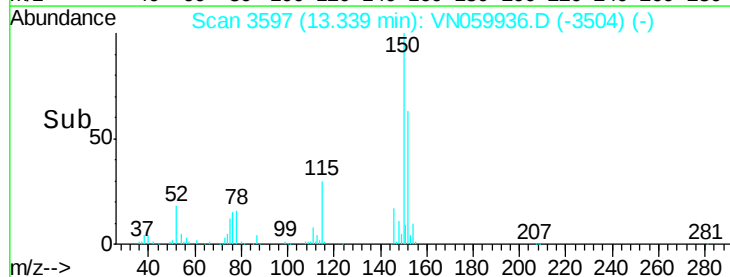
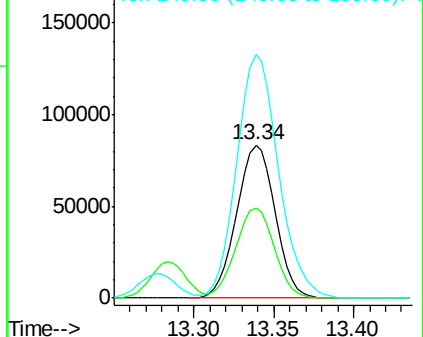


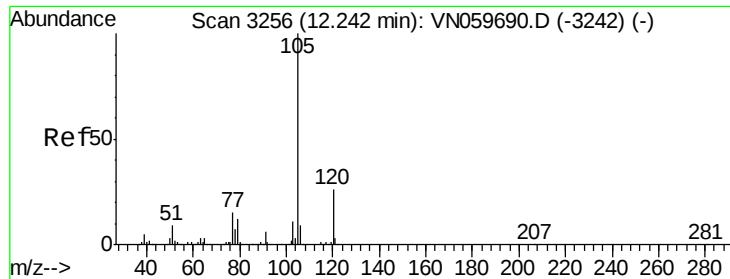
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	90.9
150	173.5	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: 47.097 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 470669

Ion Ratio Lower Upper

105 100

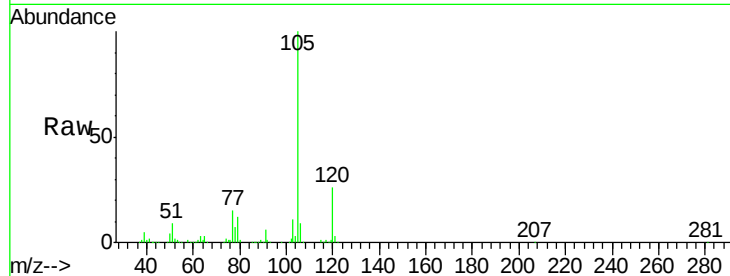
120 26.3 13.2 39.5

Manual Integrations

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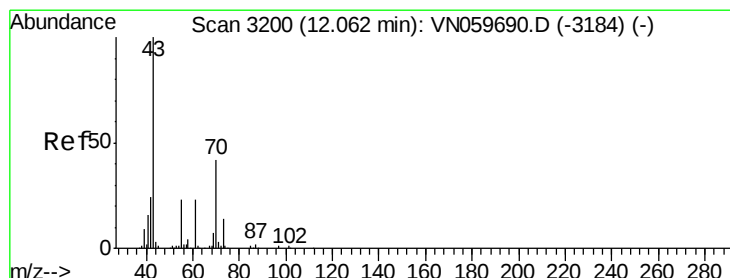
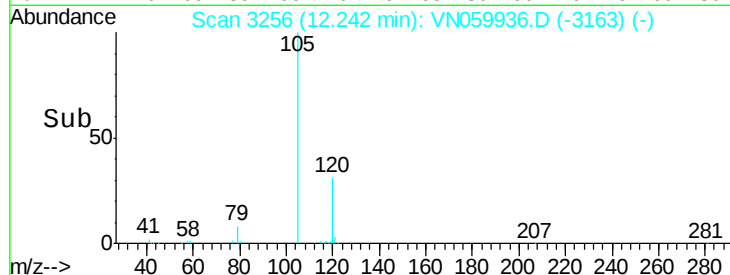
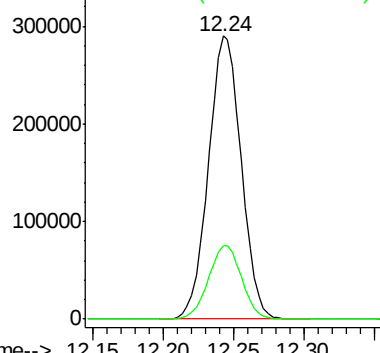
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.583 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion: 43 Resp: 180641

Ion Ratio Lower Upper

43 100

70 42.7 31.3 46.9

55 24.0 19.8 29.6

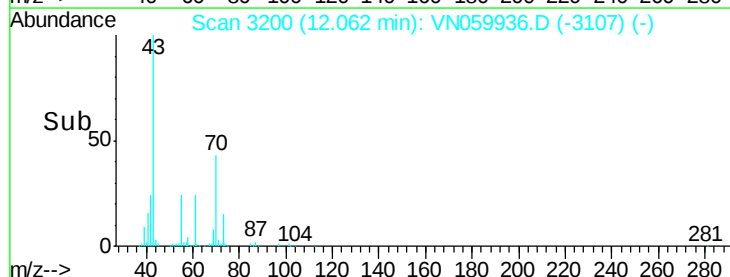
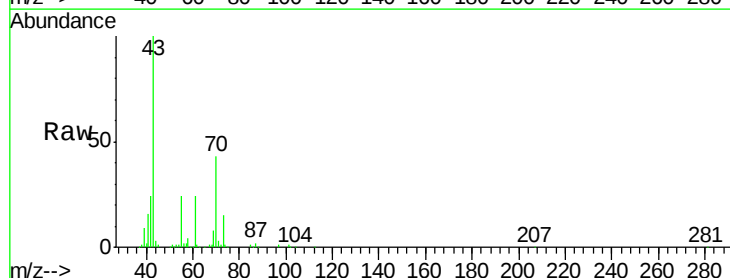
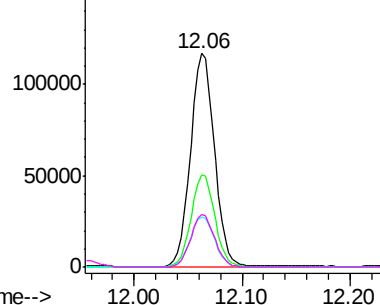
61 24.3 18.3 27.5

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: 50.462 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

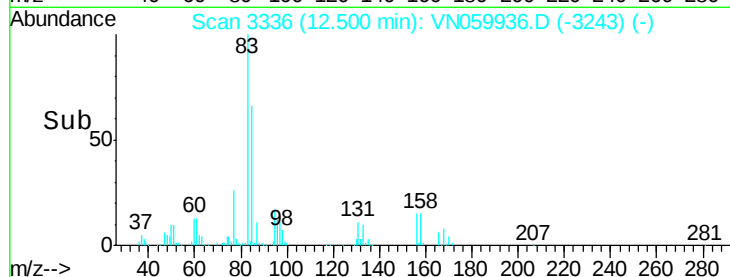
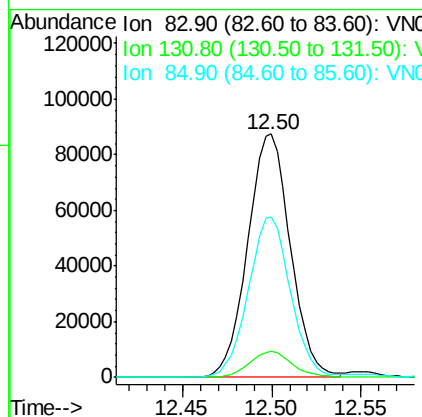
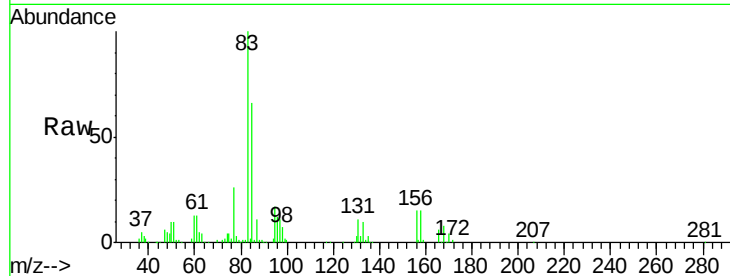
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	146197
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.049 ug/l m

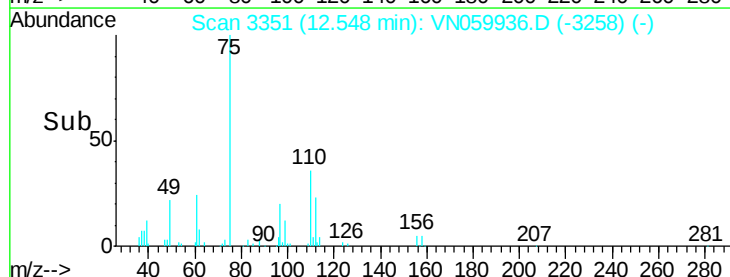
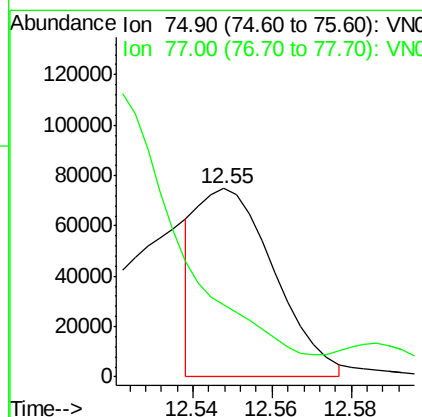
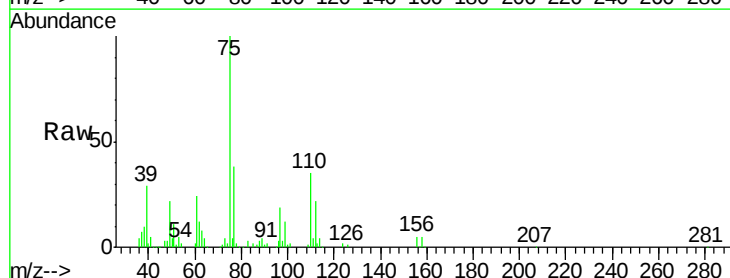
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	75	Resp:	101015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.665 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

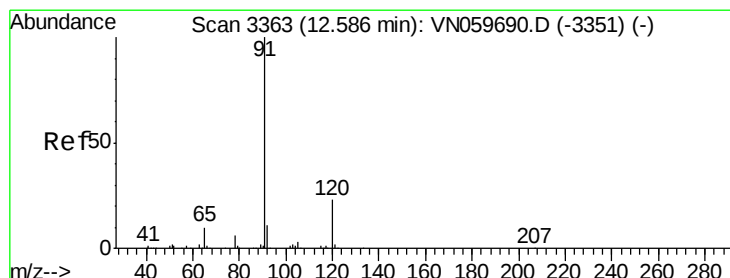
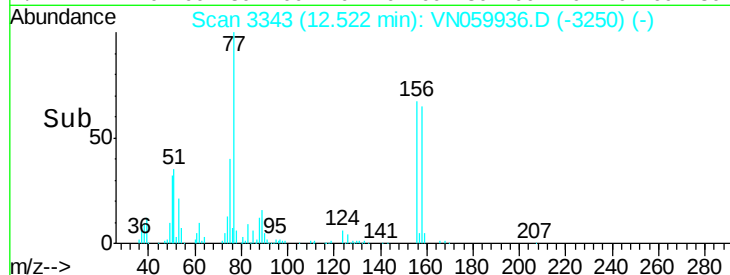
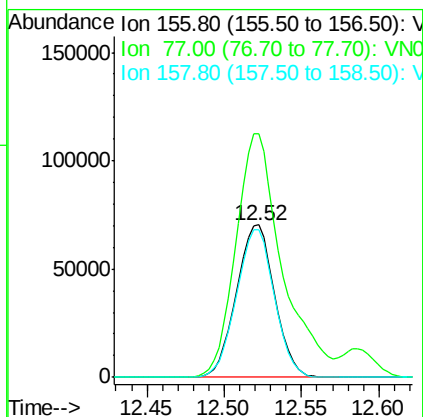
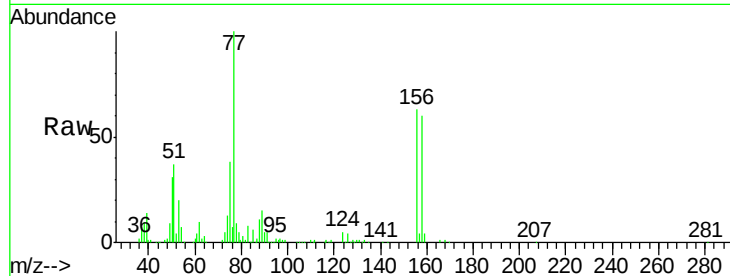
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	120631
Ion Ratio	Lower	Upper	
156	100		
77	194.0	115.8	347.4
158	96.5	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 47.272 ug/l

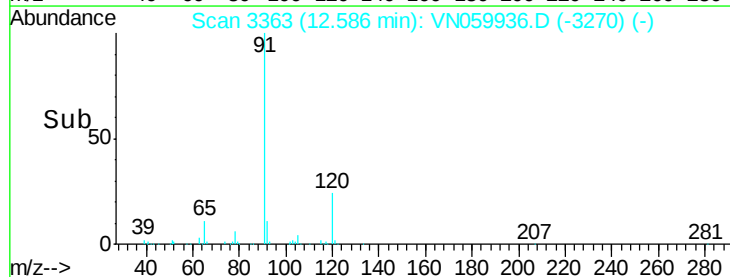
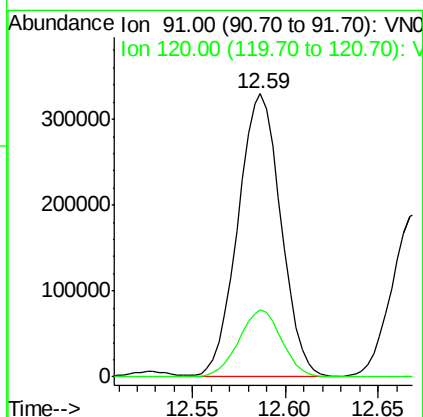
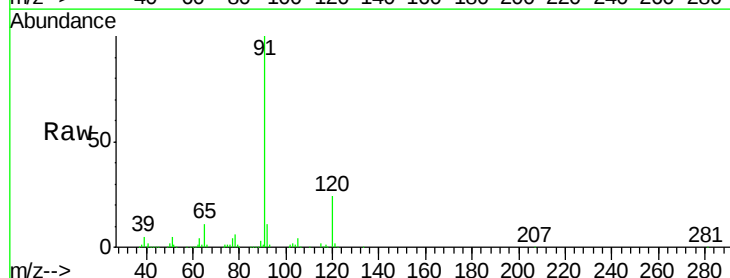
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	91	Resp:	530245
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3





#79

2-Chlorotoluene

Concen: 47.049 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 313954

Ion Ratio Lower Upper

91 100

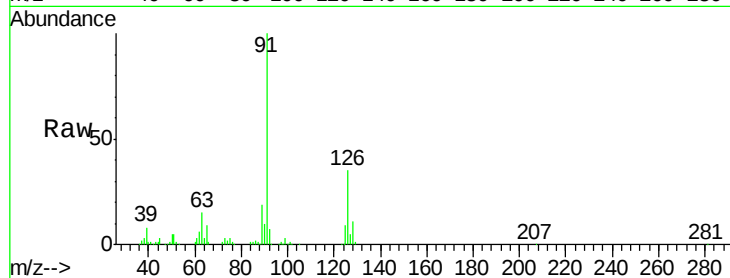
126 34.6 16.3 48.9

Manual Integrations

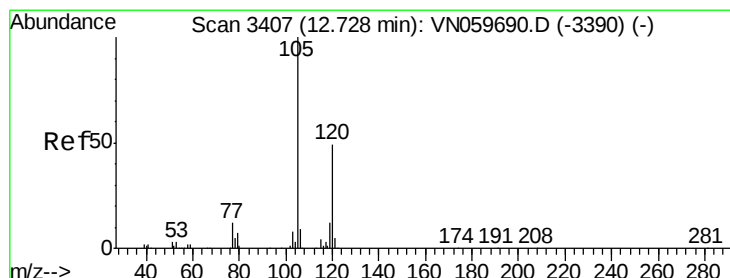
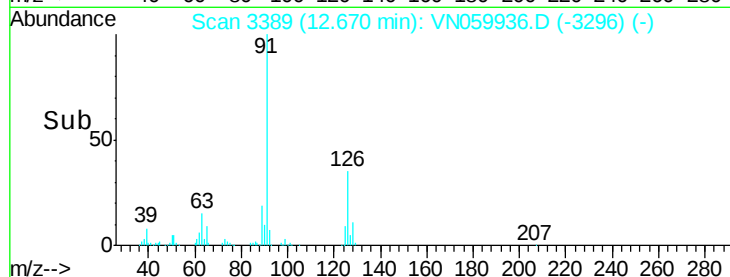
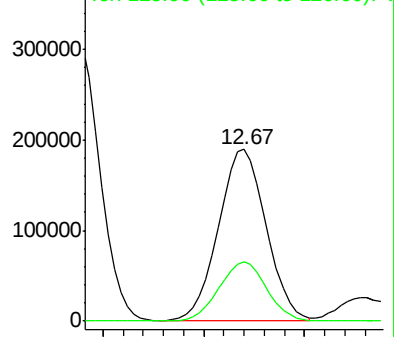
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Abundance Ion 91.00 (90.70 to 91.70): VN059936.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.969 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059936.D

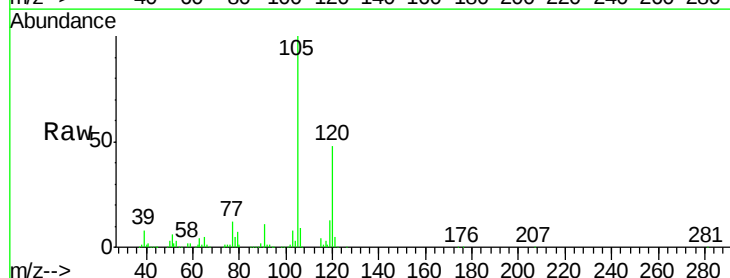
Acq: 30 Jan 2020 18:01

Tgt Ion: 105 Resp: 394759

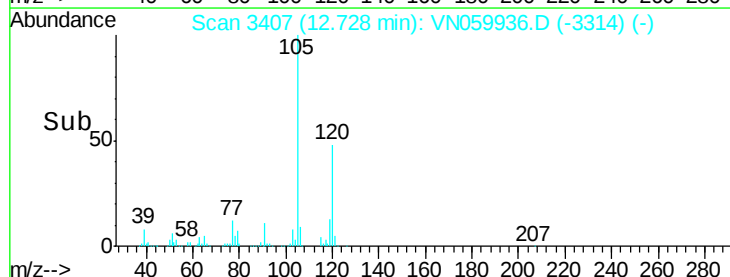
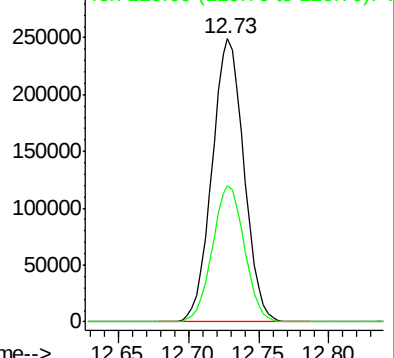
Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059936.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.112 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 52444

Ion Ratio Lower Upper

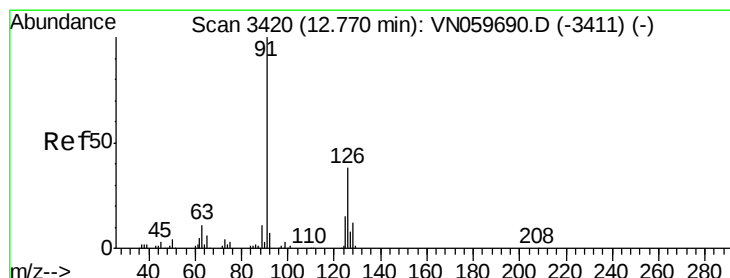
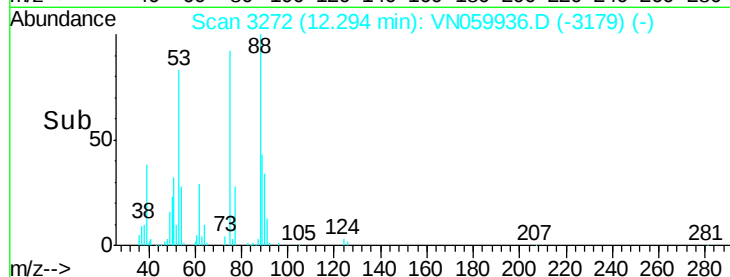
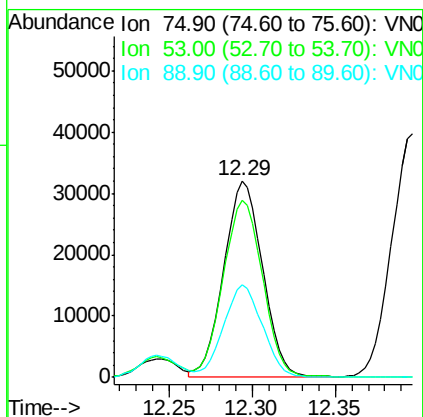
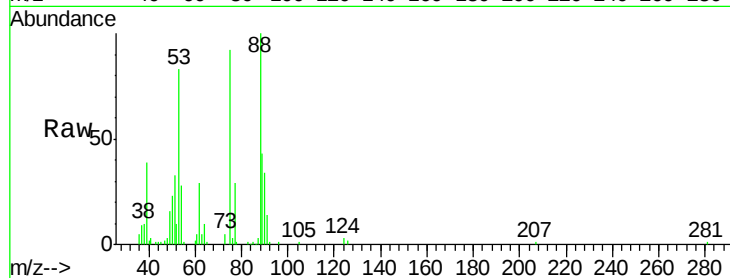
75 100

53 91.3 78.1 117.1

89 47.0 35.4 53.2

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#82

4-Chlorotoluene

Concen: 47.707 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059936.D

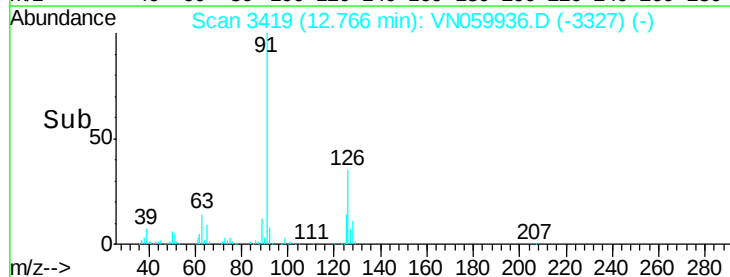
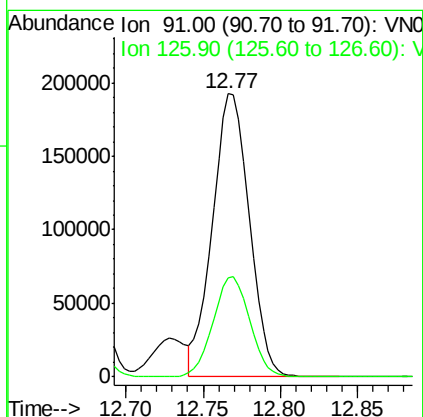
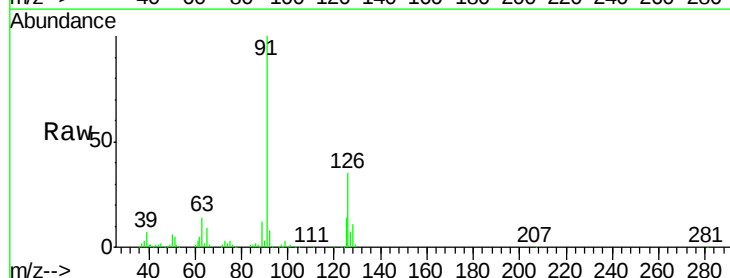
Acq: 30 Jan 2020 18:01

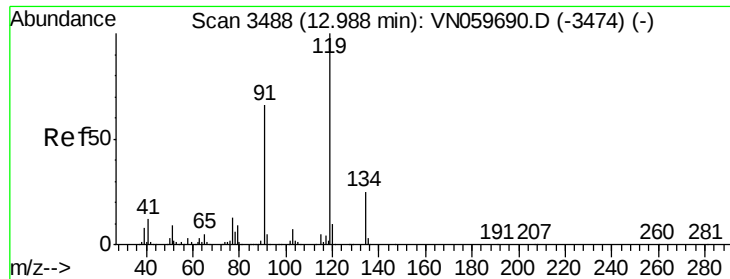
Tgt Ion: 91 Resp: 319306

Ion Ratio Lower Upper

91 100

126 35.4 16.3 48.8





#83

tert-Butylbenzene

Concen: 46.663 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

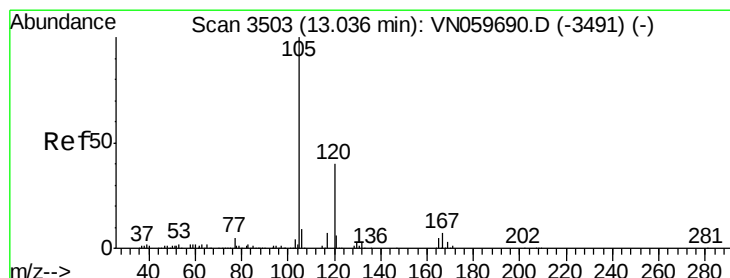
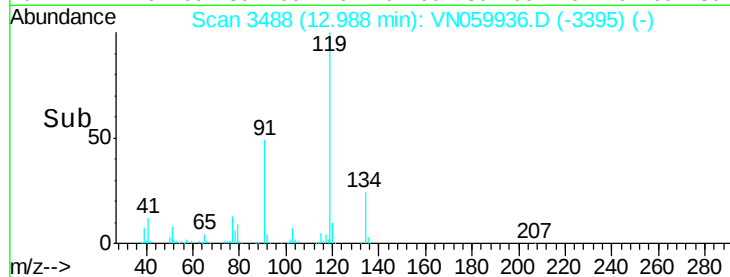
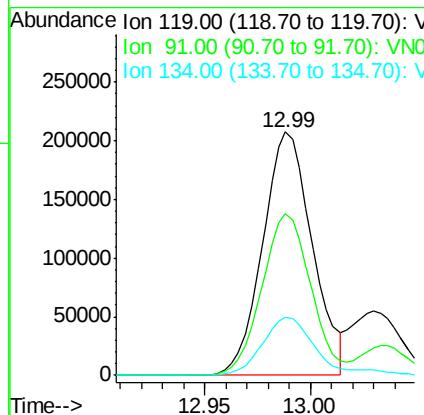
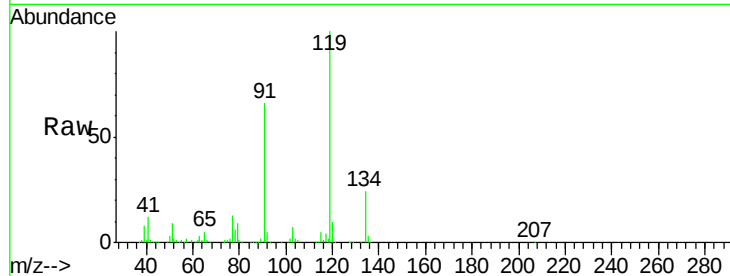
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	339196
Ion Ratio	Lower	Upper	
119	100		
91	65.8	34.8	104.4
134	25.7	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 47.225 ug/l

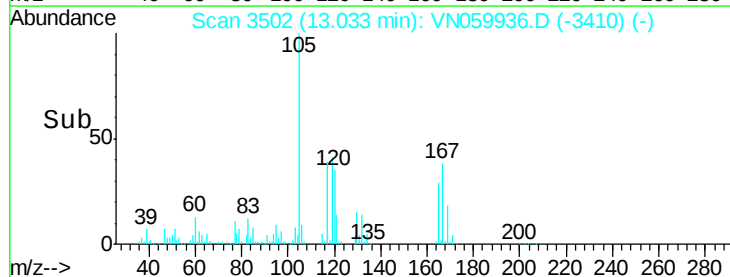
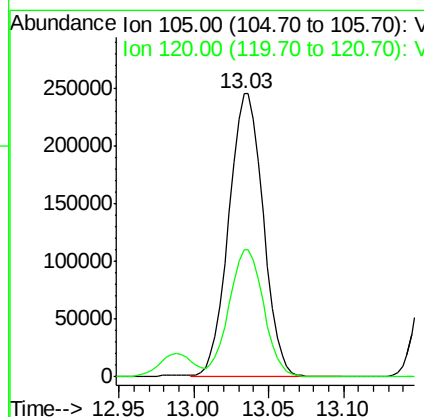
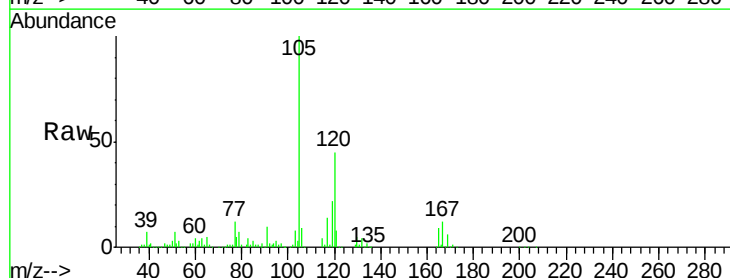
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	105	Resp:	392672
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 47.090 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 449730

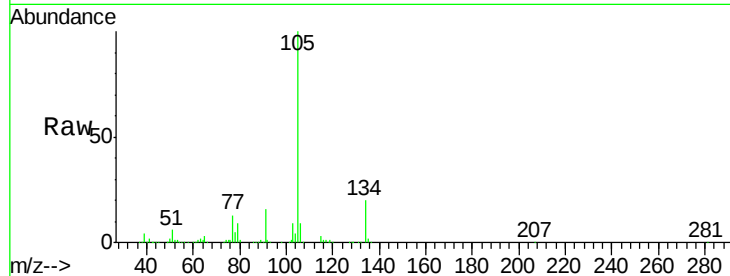
Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.5

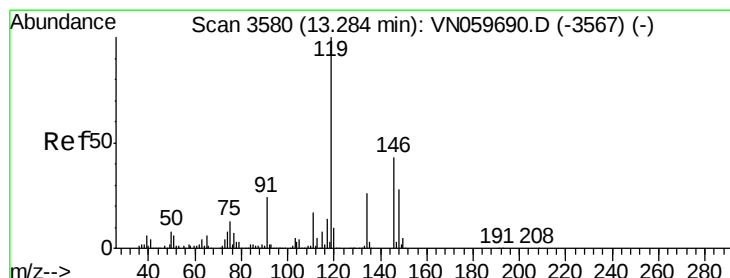
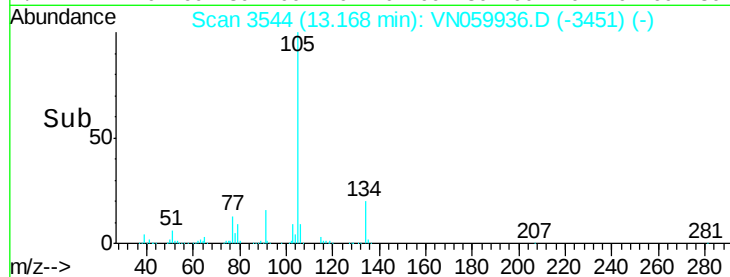
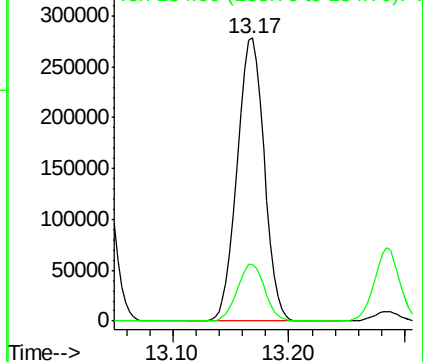
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.965 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

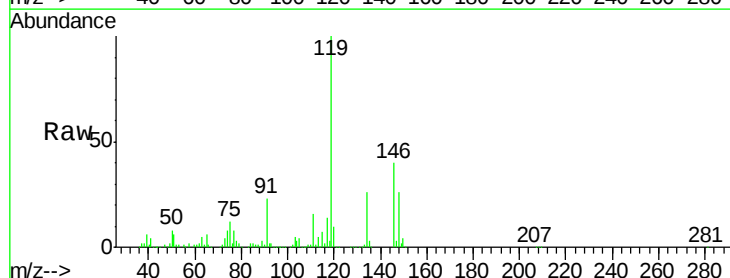
Tgt Ion:119 Resp: 415027

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

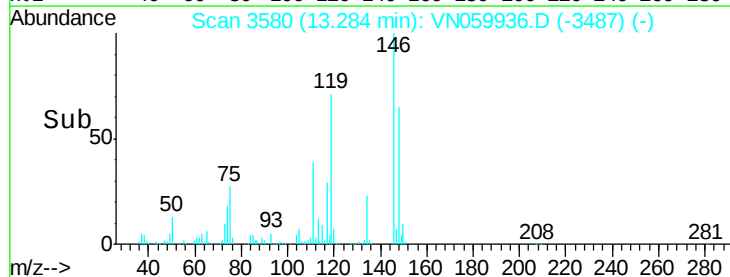
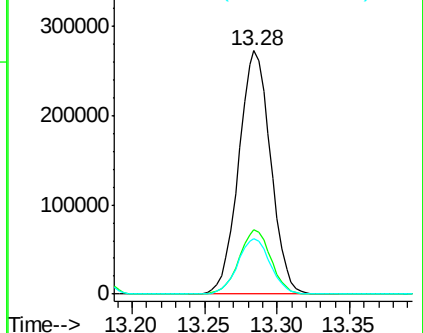
91 23.3 12.4 37.4



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





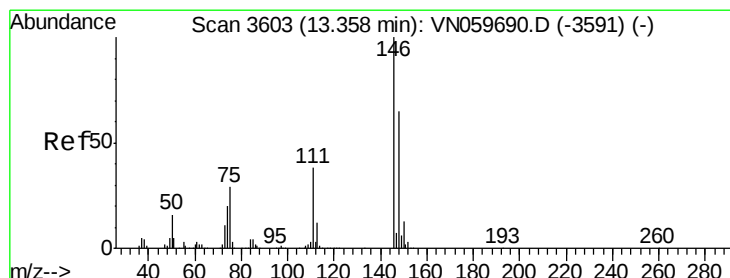
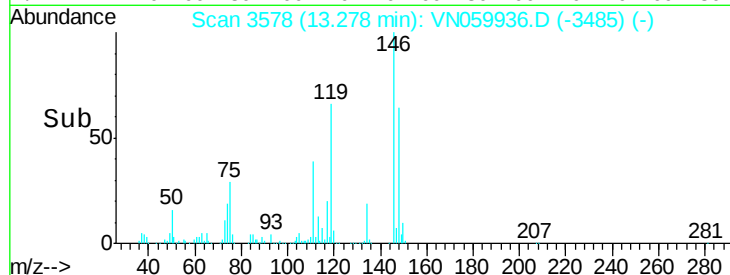
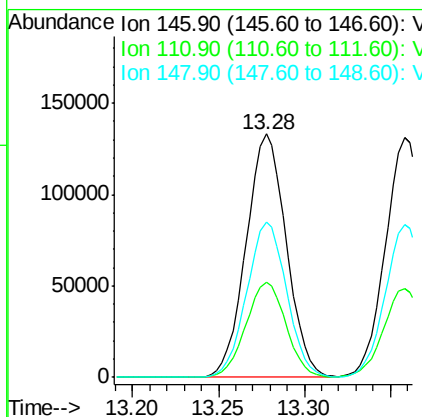
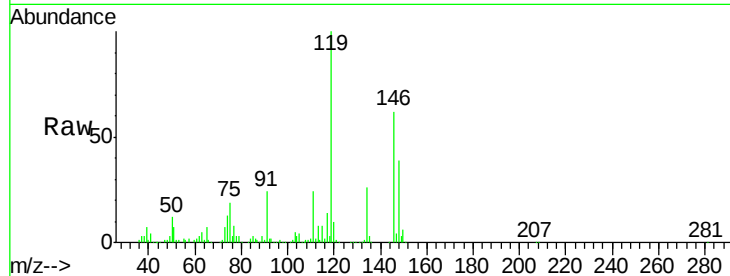
#87
 1,3-Dichlorobenzene
 Concen: 49.055 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.4	32.0	96.0

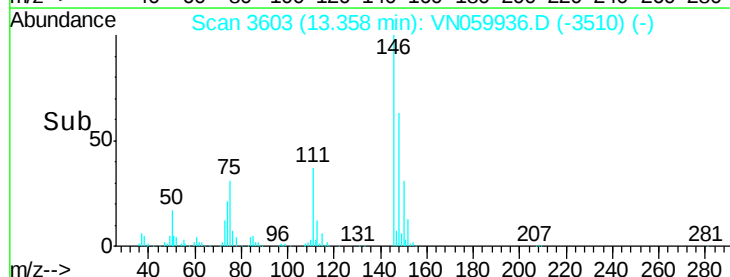
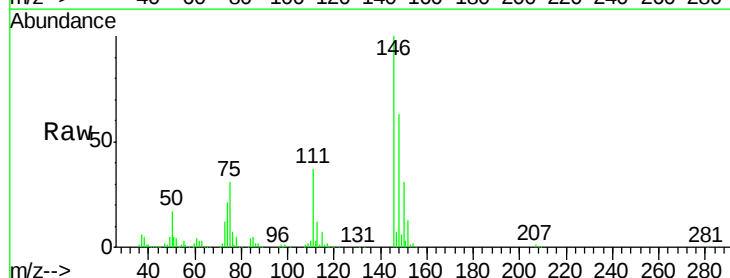
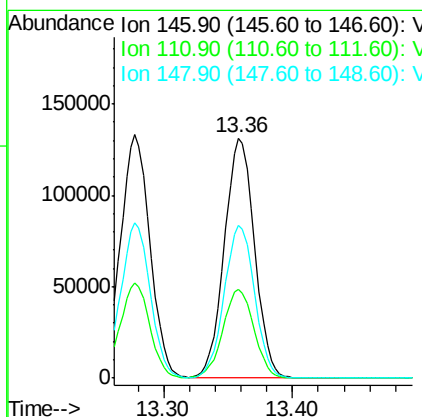
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 48.620 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.8	62.2
148	63.9	31.8	95.4





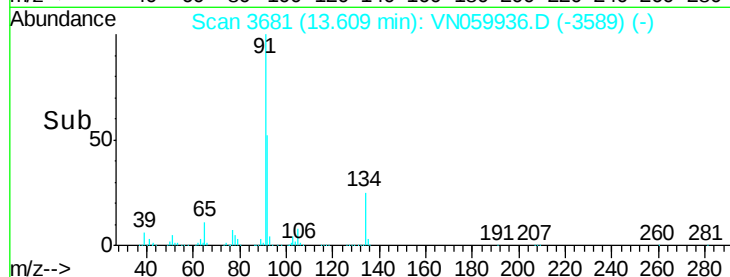
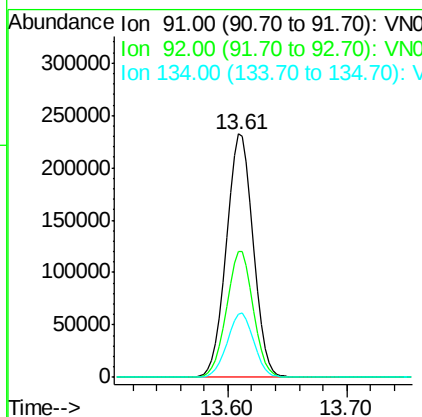
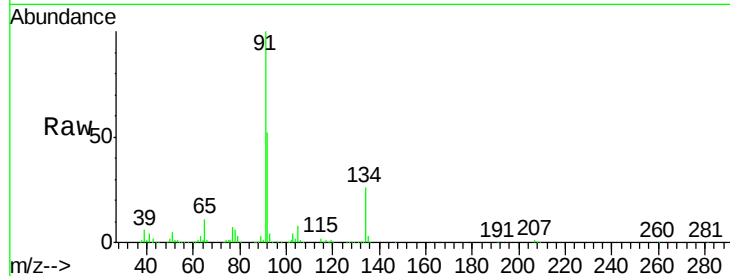
#89
n-Butylbenzene
Concen: 48.139 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	26.4	12.3	36.8

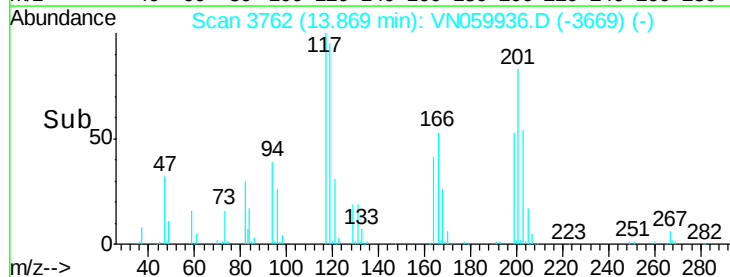
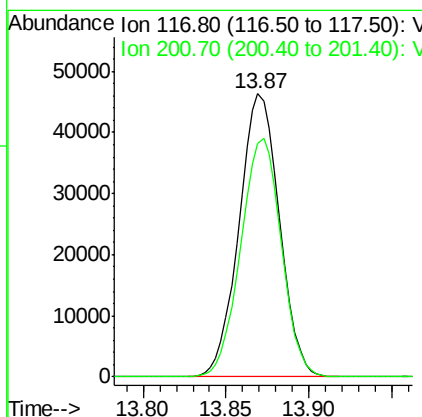
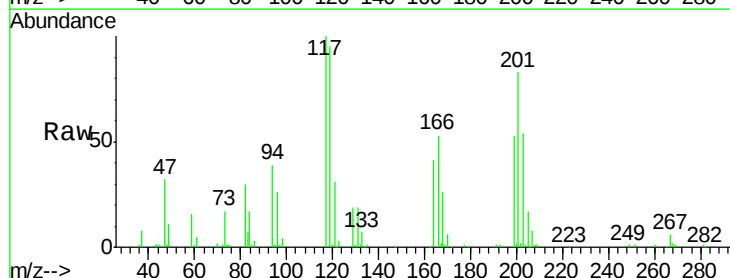
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#90
Hexachloroethane
Concen: 47.471 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059936.D
Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 48.482 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

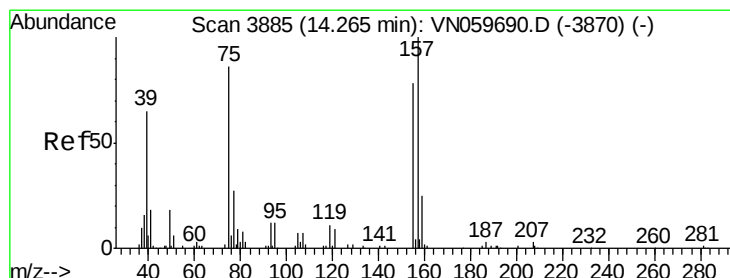
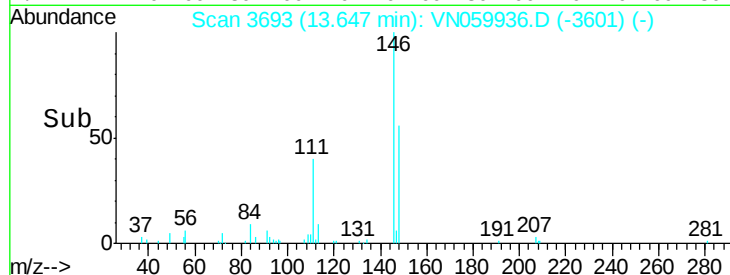
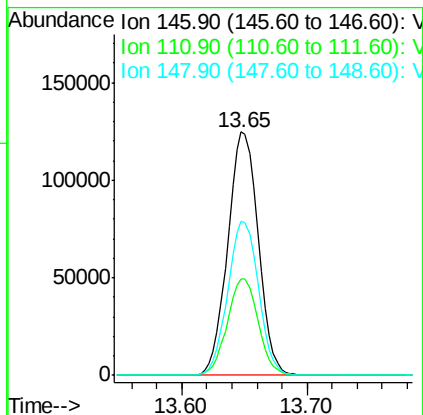
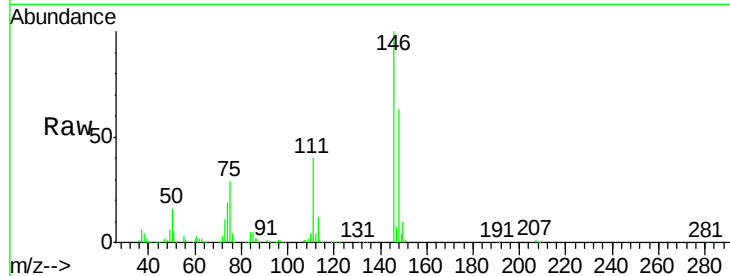
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	210704
Ion Ratio	Lower	Upper	
146	100		
111	39.9	21.6	64.8
148	63.7	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.580 ug/l

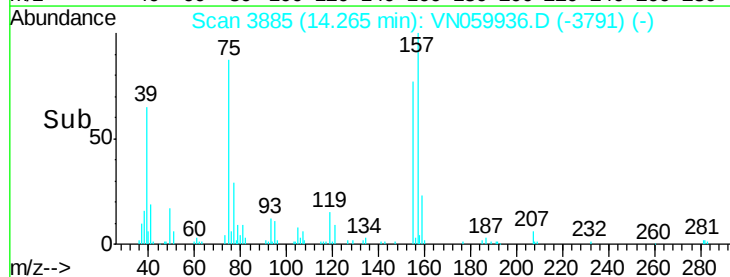
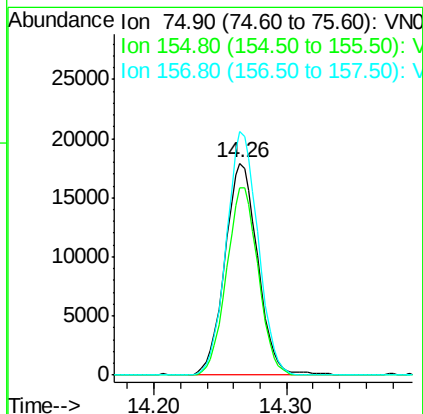
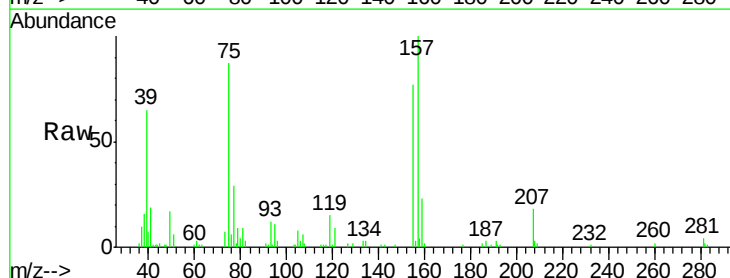
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	75	Resp:	30842
Ion Ratio	Lower	Upper	
75	100		
155	84.8	37.0	110.9
157	110.5	48.4	145.2





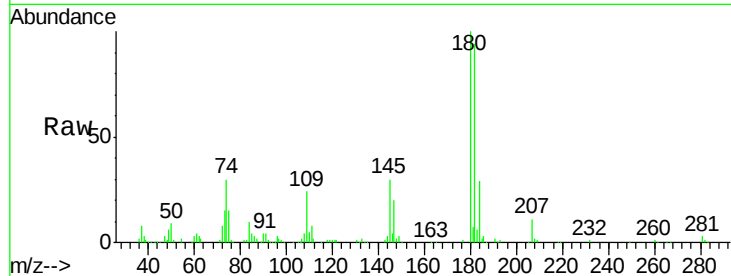
#93
 1,2,4-Trichlorobenzene
 Concen: 49.475 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

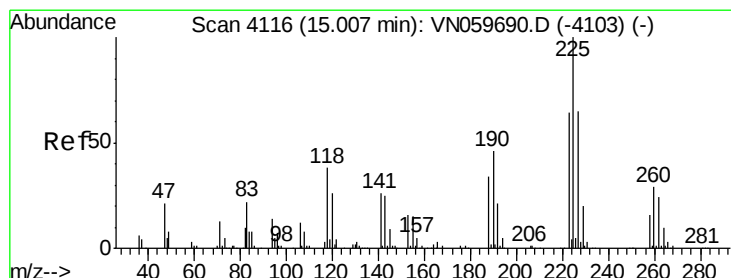
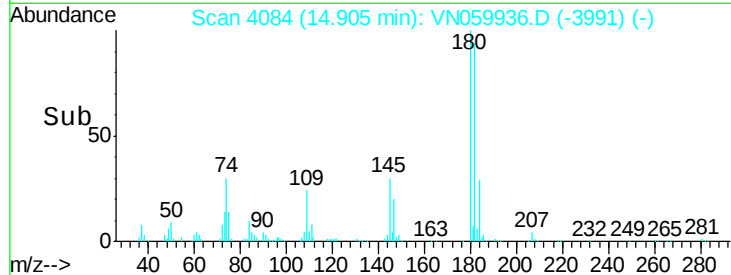
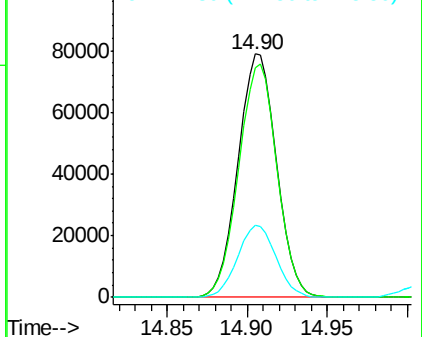
Tot Ion	Ratio	Resp	Lower	Upper
180	100	129203		
182	95.6	46.9	140.7	
145	29.7	15.0	45.1	

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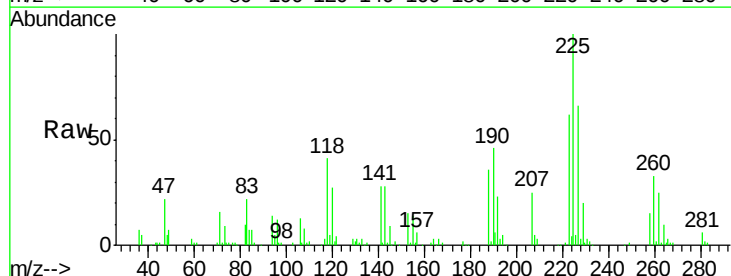


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

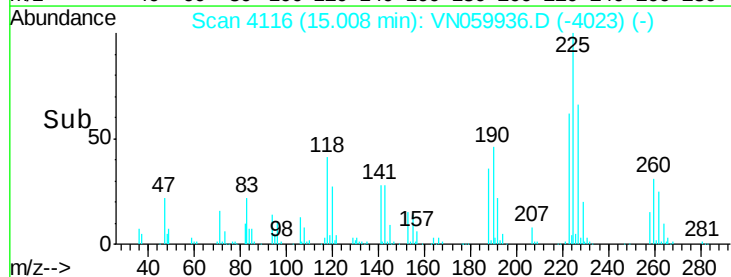
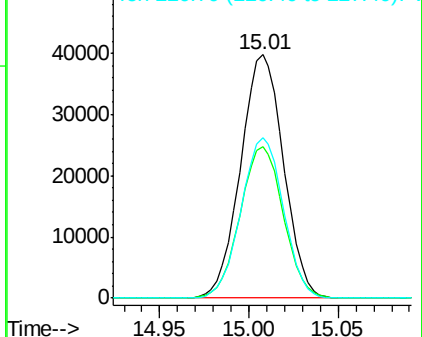


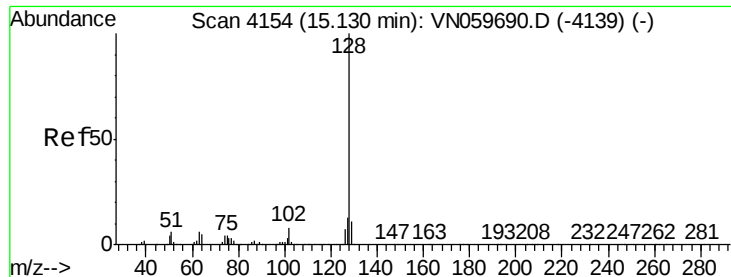
#94
 Hexachlorobutadiene
 Concen: 46.417 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059936.D
 Acq: 30 Jan 2020 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66798		
223	62.6	31.8	95.3	
227	64.9	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.858 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Instrument :

MSVOA_N

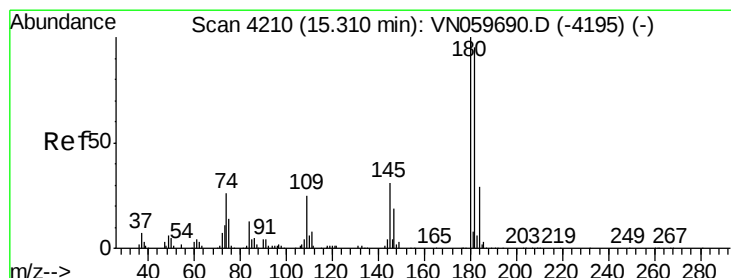
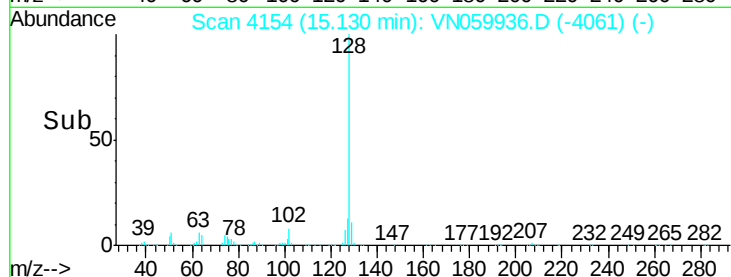
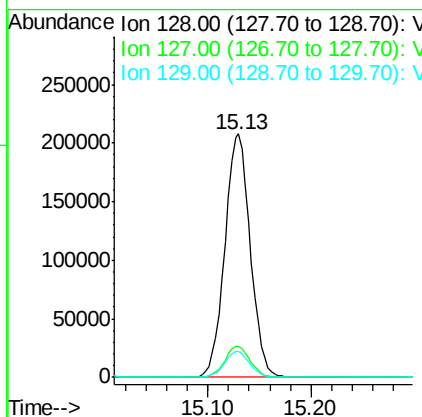
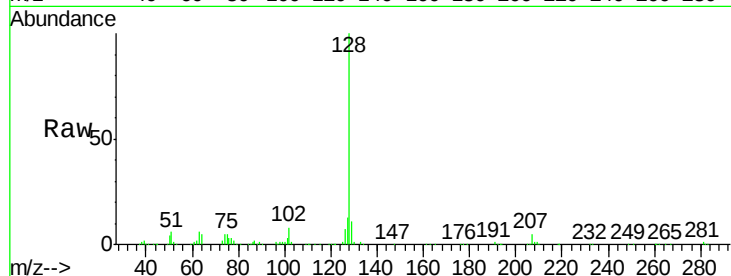
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	355489
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:40:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.201 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059936.D

Acq: 30 Jan 2020 18:01

Tgt Ion:	180	Resp:	125064
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	31.7	16.3	48.9

