

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059799.D
 Acq On : 20 Jan 2020 20:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 11:01:15 AM

Quant Time: Jan 21 03:19:33 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	194109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111202	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.56	113	94736	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.08	98	357183	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	126720	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	115999	50.694	ug/l	99
3) Chloromethane	2.04	50	106531	47.937	ug/l	100
4) Vinyl Chloride	2.17	62	136500	53.683	ug/l	98
5) Bromomethane	2.53	94	78702	50.719	ug/l	98
6) Chloroethane	2.68	64	62854	52.250	ug/l	99
7) Trichlorofluoromethane	3.00	101	161433	52.866	ug/l	96
8) Diethyl Ether	3.38	74	56039	52.292	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93009	54.726	ug/l	92
10) Methyl Iodide	3.93	142	142856	52.002	ug/l	95
11) Tert butyl alcohol	4.73	59	88404	243.612	ug/l	99
12) 1,1-Dichloroethene	3.72	96	89622	50.466	ug/l	89
13) Acrolein	3.58	56	69315	269.833	ug/l	100
14) Allyl chloride	4.29	41	116319	48.594	ug/l #	83
15) Acrylonitrile	4.94	53	213708	258.171	ug/l	99
16) Acetone	3.78	43	177005	240.364	ug/l	95
17) Carbon Disulfide	4.03	76	242805	47.995	ug/l	100
18) Methyl Acetate	4.29	43	132294	52.541	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	299383	51.705	ug/l	95
20) Methylene Chloride	4.52	84	101746	52.228	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	96065	50.889	ug/l	87
22) Diisopropyl ether	5.92	45	272835	50.296	ug/l #	95
23) Vinyl Acetate	5.86	43	1090427	259.630	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	167291	50.472	ug/l	97
25) 2-Butanone	6.80	43	276658	226.635	ug/l	90
26) 2,2-Dichloropropane	6.79	77	149711	46.983	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	113381	52.219	ug/l	86
28) Bromochloromethane	7.17	49	63790	48.152	ug/l #	71
29) Tetrahydrofuran	7.18	42	182618	241.787	ug/l #	86
30) Chloroform	7.35	83	179554	52.283	ug/l	99
31) Cyclohexane	7.63	56	147049	46.105	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	167384	52.714	ug/l	96
36) 1,1-Dichloropropene	7.77	75	130524	49.660	ug/l	95
37) Ethyl Acetate	6.89	43	114946	46.628	ug/l	95
38) Carbon Tetrachloride	7.75	117	149182	52.178	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162049	50.002	ug/l	90
40) Benzene	8.02	78	394762	50.361	ug/l	99
41) Methacrylonitrile	7.15	41	53983m	44.459	ug/l	
42) 1,2-Dichloroethane	8.10	62	136481	51.352	ug/l	96
43) Isopropyl Acetate	8.14	43	204531	48.236	ug/l #	94
44) Trichloroethene	8.82	130	110538	51.656	ug/l	94
45) 1,2-Dichloropropane	9.10	63	100123	51.618	ug/l	100
46) Dibromomethane	9.19	93	72396	52.911	ug/l	91
47) Bromodichloromethane	9.39	83	144776	52.507	ug/l	98
48) Methyl methacrylate	9.18	41	91286	48.131	ug/l	89
49) 1,4-Dioxane	9.18	88	36264	1044.460	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	595945	243.132	ug/l	94
52) Toluene	10.14	92	257749	52.057	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	158652	51.531	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170719	52.701	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	101088	51.549	ug/l	99
56) Ethyl methacrylate	10.42	69	150003	50.061	ug/l	93
57) 1,3-Dichloropropane	10.70	76	163765	52.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	249878	276.865	ug/l #	90
59) 2-Hexanone	10.74	43	434334	240.528	ug/l	93
60) Dibromochloromethane	10.89	129	120469	53.947	ug/l	100
61) 1,2-Dibromoethane	10.99	107	109115	53.088	ug/l	99
64) Tetrachloroethene	10.62	164	96748	43.349	ug/l	95
65) Chlorobenzene	11.43	112	281611	52.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110630	53.194	ug/l	99
67) Ethyl Benzene	11.50	91	500679	51.242	ug/l	97
68) m/p-Xylenes	11.62	106	384364	104.140	ug/l	93
69) o-Xylene	11.94	106	186391	51.584	ug/l	93
70) Styrene	11.96	104	314727	52.052	ug/l	96
71) Bromoform	12.12	173	91151	54.715	ug/l #	98
73) Isopropylbenzene	12.24	105	498184	50.592	ug/l	99
74) N-amyl acetate	12.06	43	182780	47.836	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	150027	52.555	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	127149m	56.271	ug/l	
77) Bromobenzene	12.52	156	127541	51.146	ug/l	82
78) n-propylbenzene	12.59	91	559050	50.582	ug/l	97
79) 2-Chlorotoluene	12.67	91	326555	49.666	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	419136	50.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51704	49.139	ug/l	95
82) 4-Chlorotoluene	12.77	91	334643	50.743	ug/l	96
83) tert-Butylbenzene	12.99	119	368774	51.487	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	419053	51.148	ug/l	98
85) sec-Butylbenzene	13.17	105	477124	50.702	ug/l	99
86) p-Isopropyltoluene	13.28	119	442610	50.832	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	225646	52.092	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223191	51.650	ug/l	97
89) n-Butylbenzene	13.61	91	373727	50.339	ug/l	98
90) Hexachloroethane	13.87	117	83203	51.072	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	221353	51.690	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30453	49.688	ug/l	78

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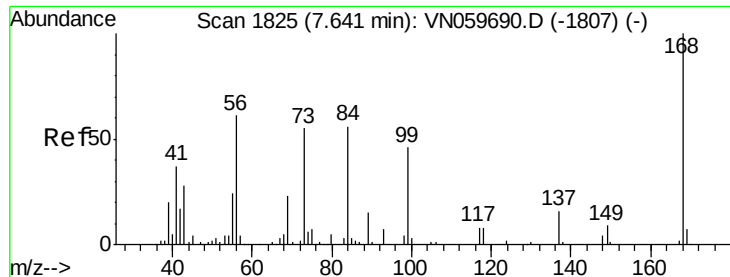
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134061	52.100	ug/l	98
94) Hexachlorobutadiene	15.01	225	69363	48.917	ug/l	99
95) Naphthalene	15.13	128	367723	50.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127614	50.951	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 194109

Ion Ratio Lower Upper

168 100

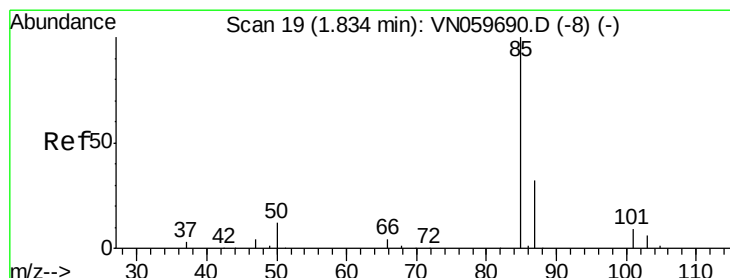
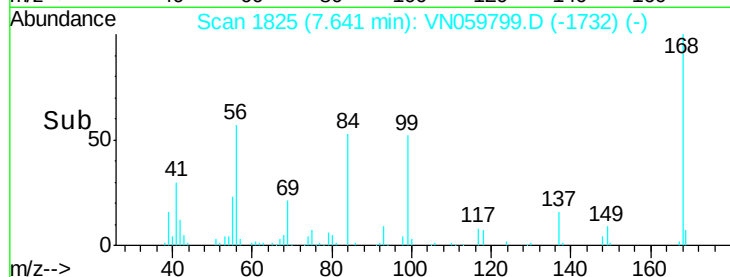
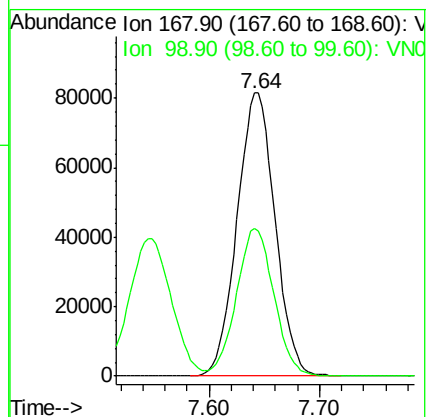
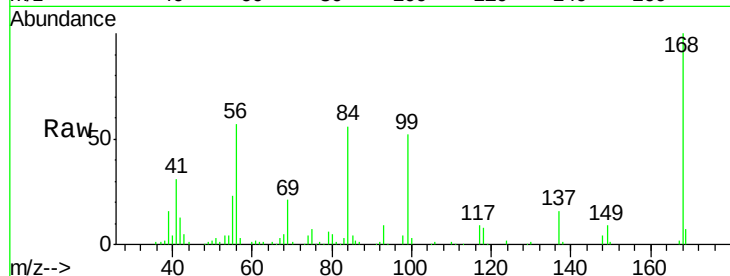
99 52.3 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.694 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059799.D

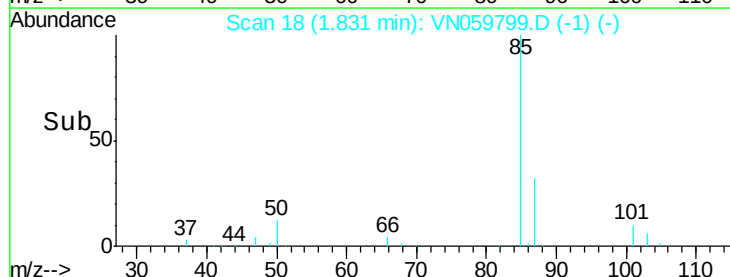
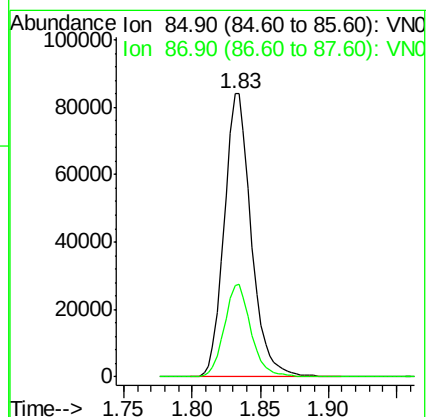
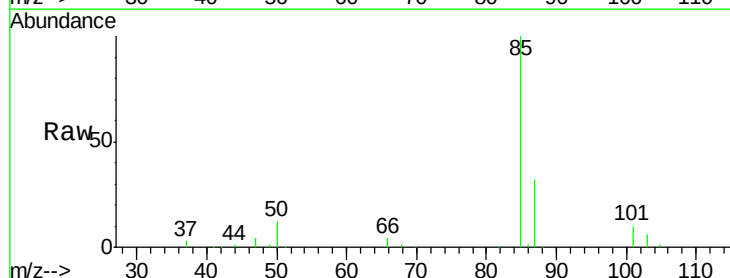
Acq: 20 Jan 2020 20:01

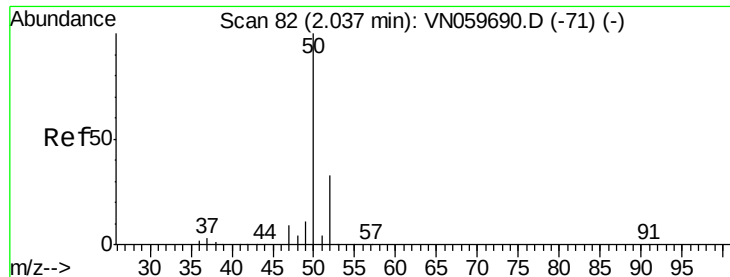
Tgt Ion: 85 Resp: 115999

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7





#3

Chloromethane

Concen: 47.937 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106531

Ion Ratio Lower Upper

50 100

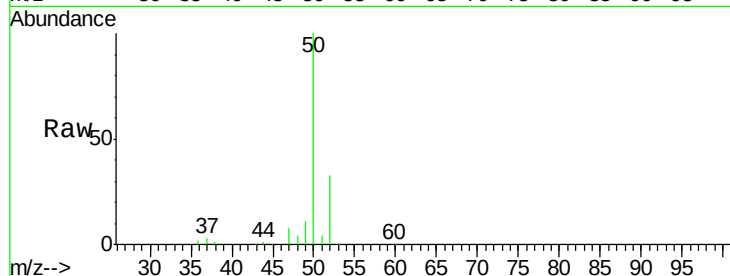
52 32.7 25.9 38.9

Manual Integrations

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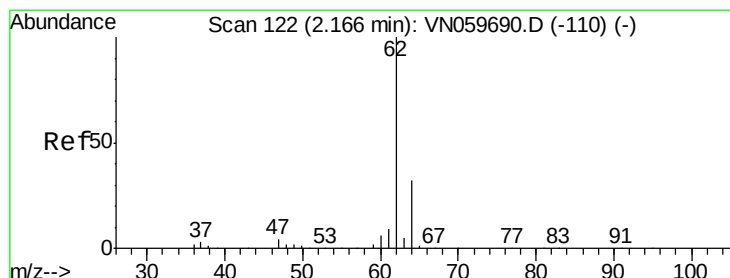
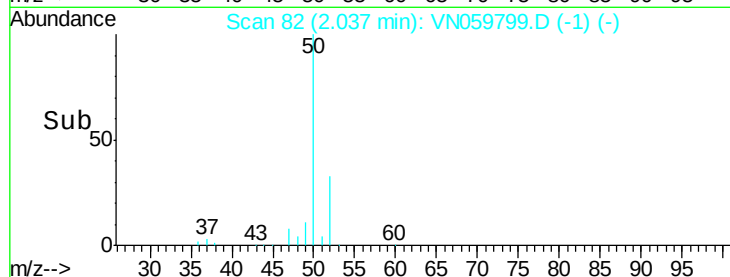
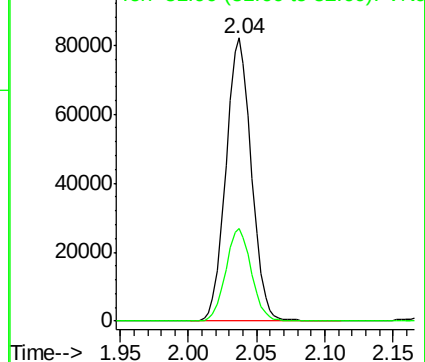
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 53.683 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059799.D

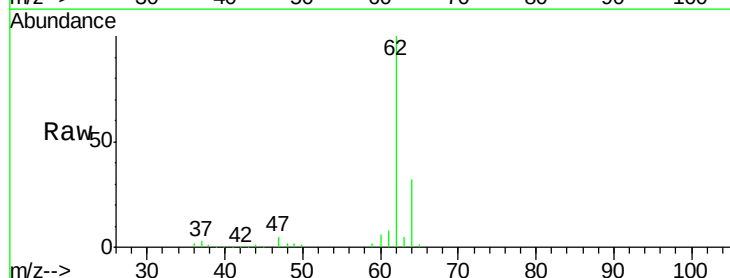
Acq: 20 Jan 2020 20:01

Tgt Ion: 62 Resp: 136500

Ion Ratio Lower Upper

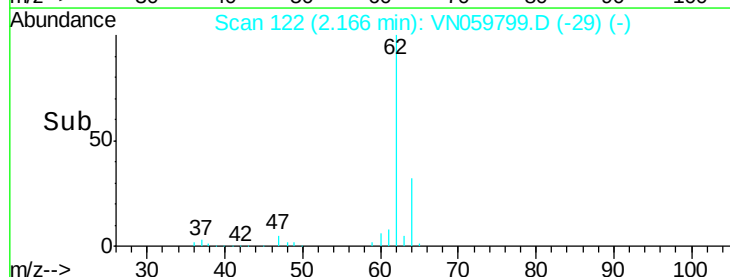
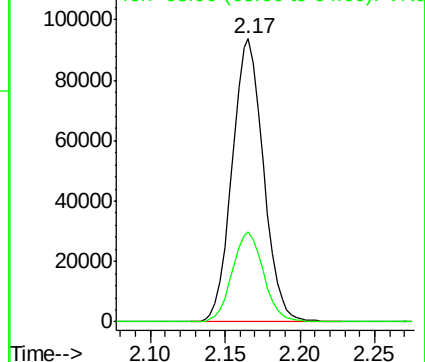
62 100

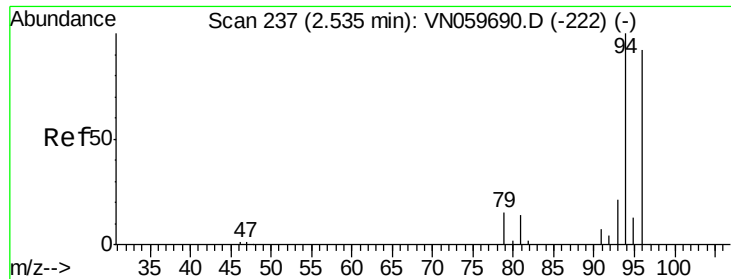
64 31.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.719 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

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Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 78702

Ion Ratio Lower Upper

94 100

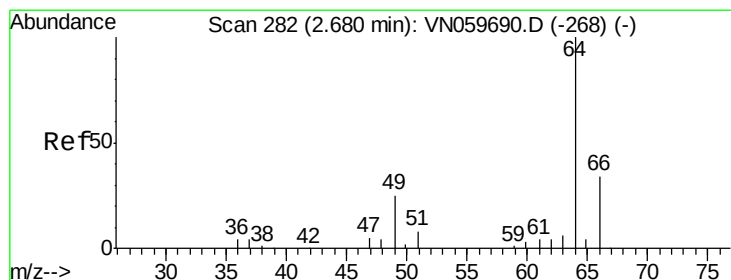
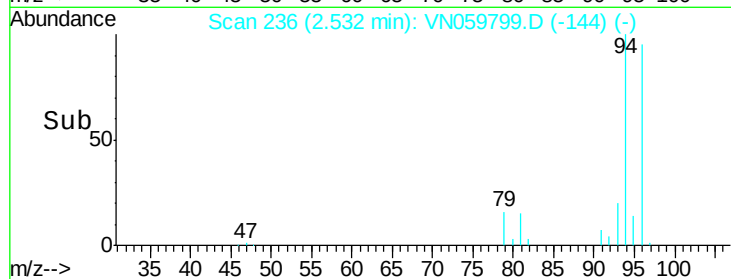
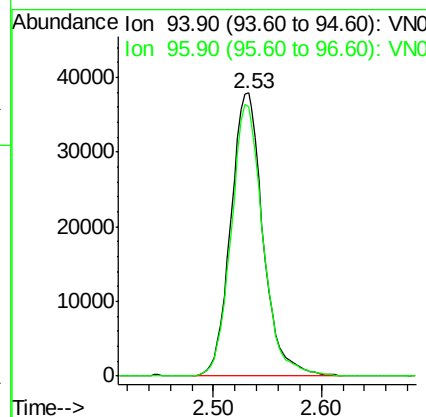
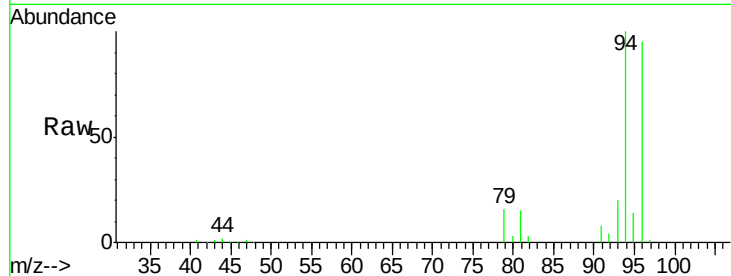
96 95.3 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 52.250 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059799.D

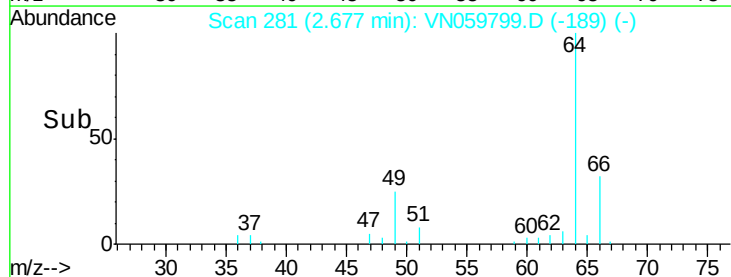
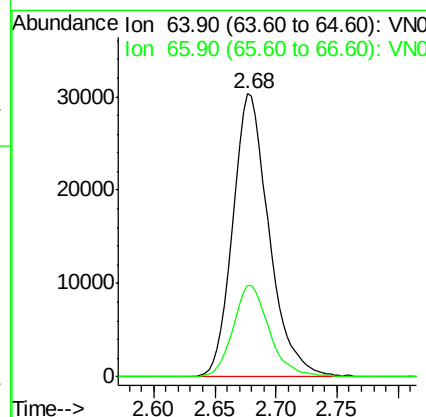
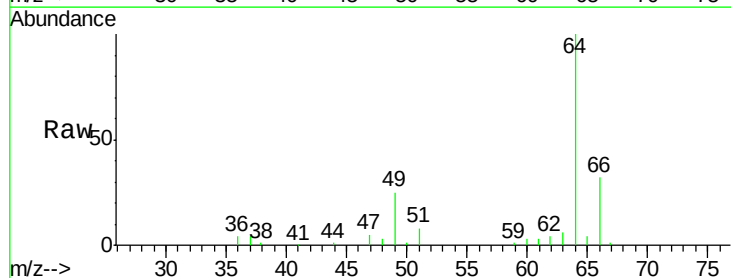
Acq: 20 Jan 2020 20:01

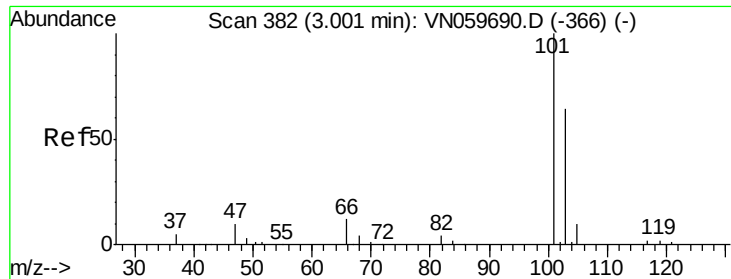
Tgt Ion: 64 Resp: 62854

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

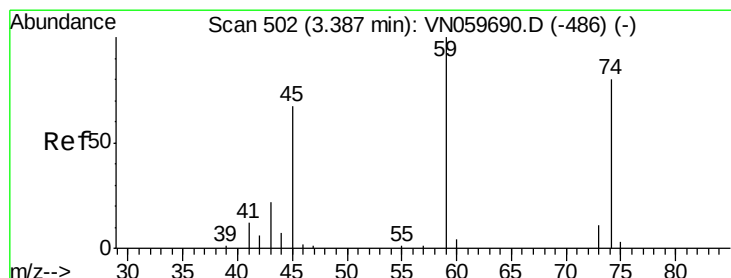
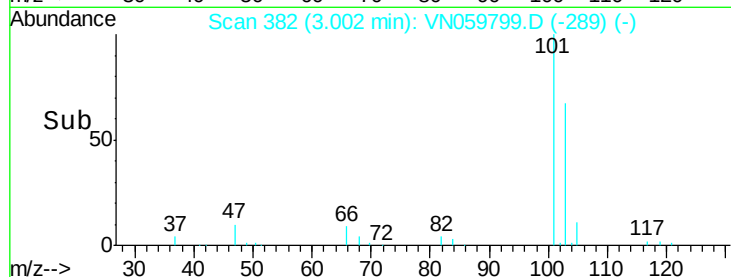
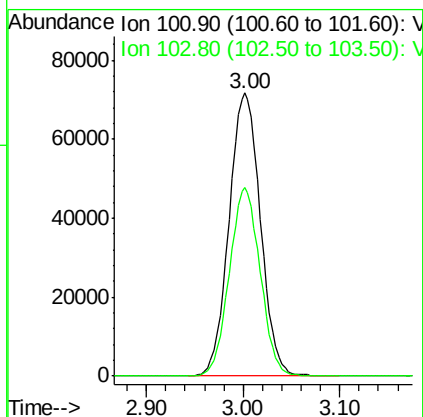
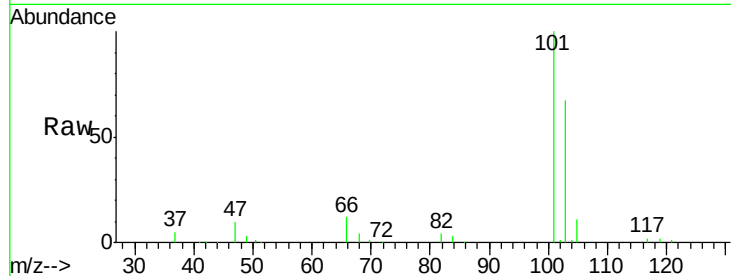
Trichlorofluoromethane
Concen: 52.866 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
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VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		161433		
103	66.8	51.0	76.6		

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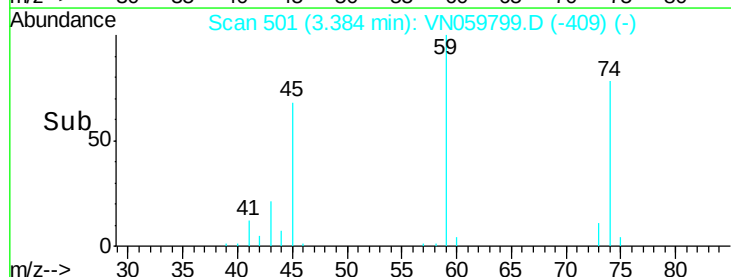
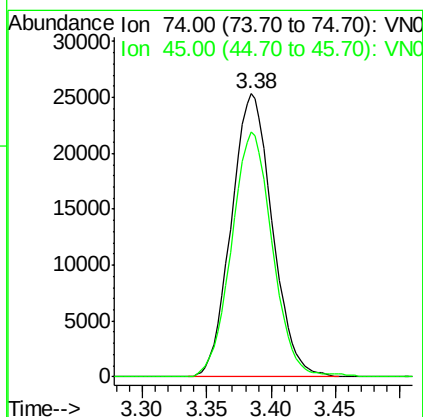
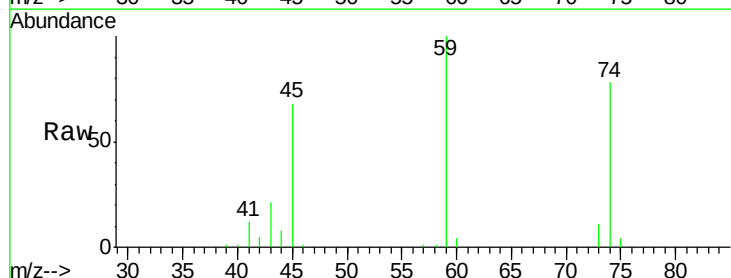
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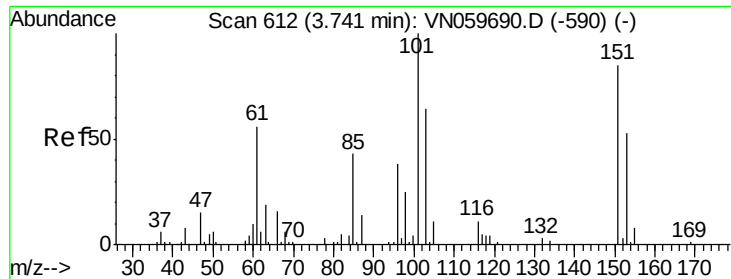


#8

Diethyl Ether
Concen: 52.292 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		56039		
45	86.0	51.9	155.8		





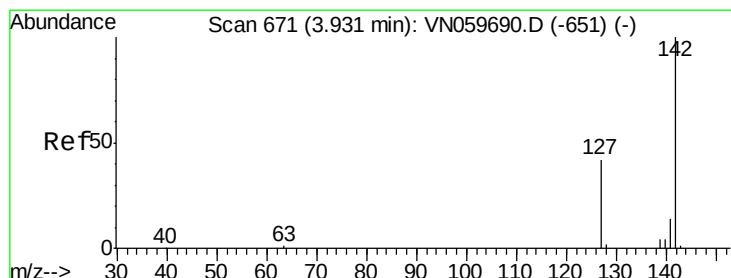
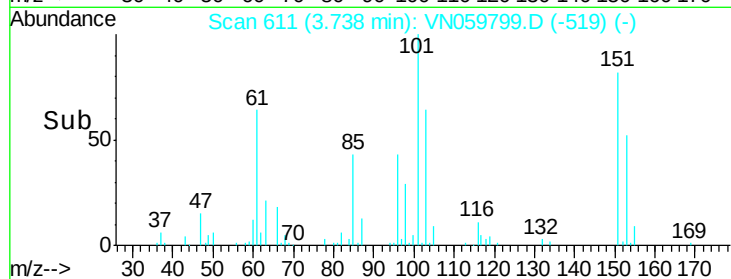
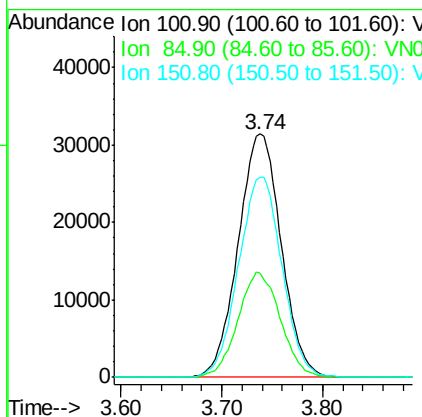
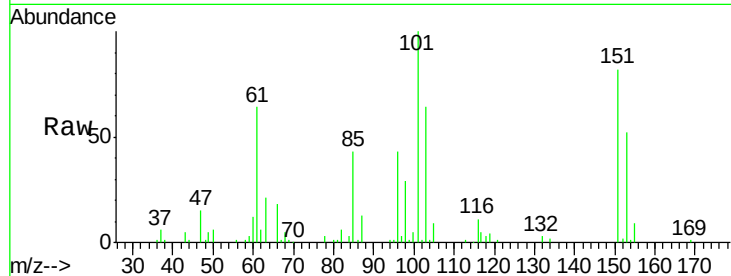
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.726 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	36.6	54.8
151	83.0	59.7	89.5

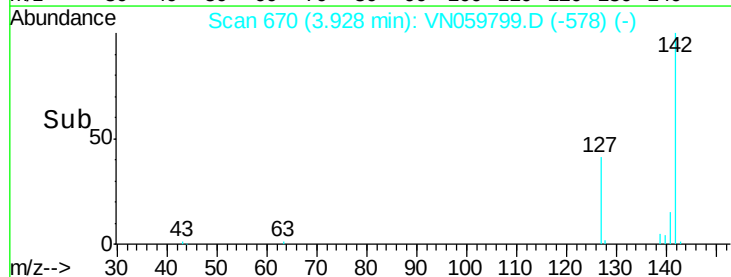
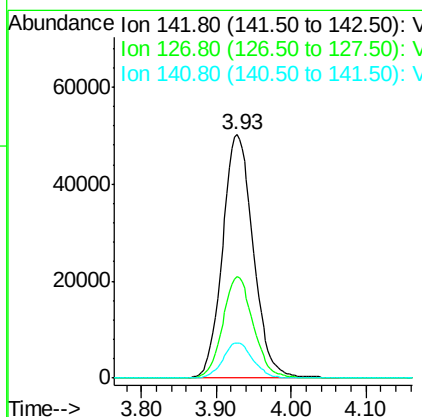
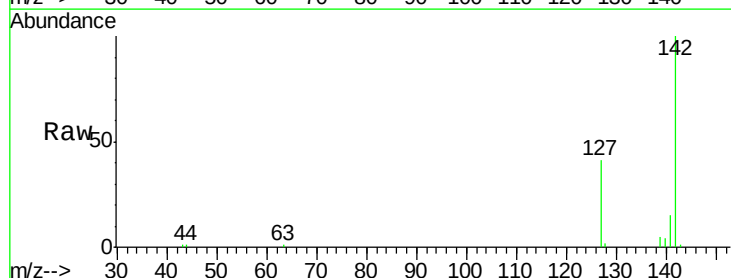
Manual Integrations
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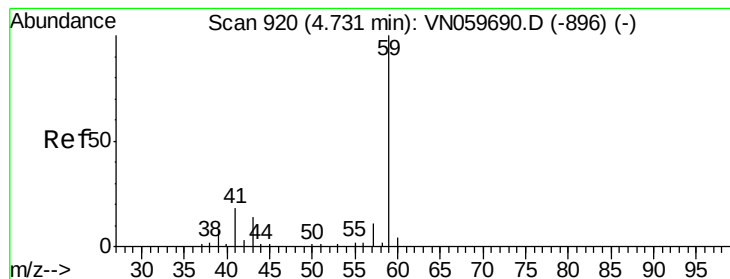
MMDadoda
1/21/2020 11:01:15 AM



#10
Methyl Iodide
Concen: 52.002 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.4	36.7	55.1
141	14.1	11.7	17.5





#11

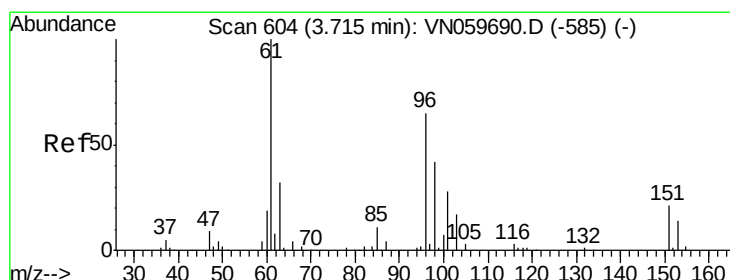
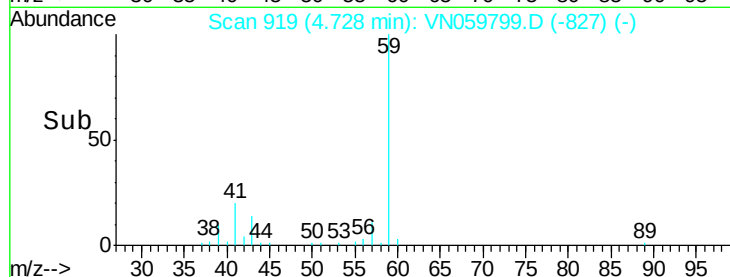
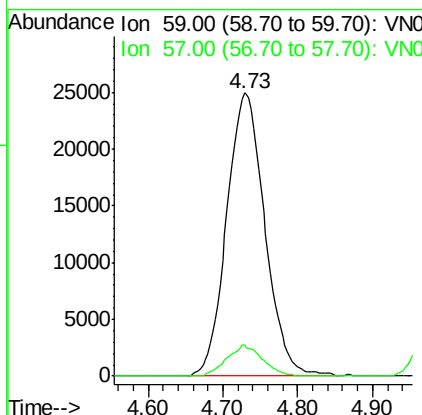
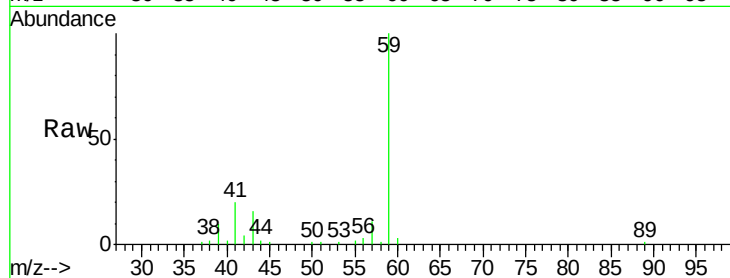
Tert butyl alcohol
Concen: 243.612 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

Manual Integrations
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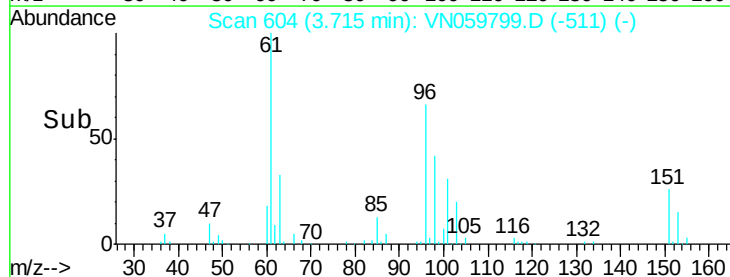
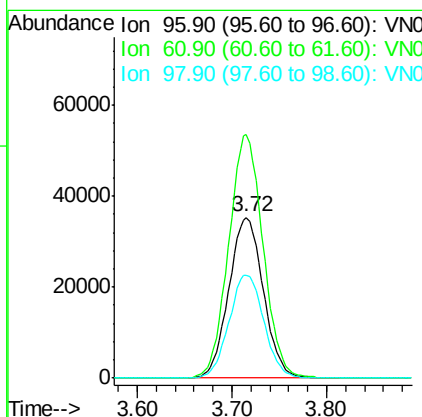
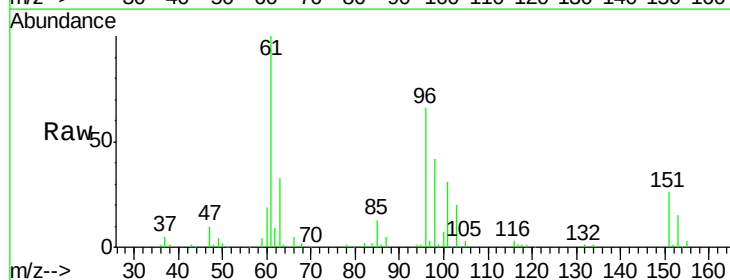
MMDadoda
1/21/2020 11:01:15 AM

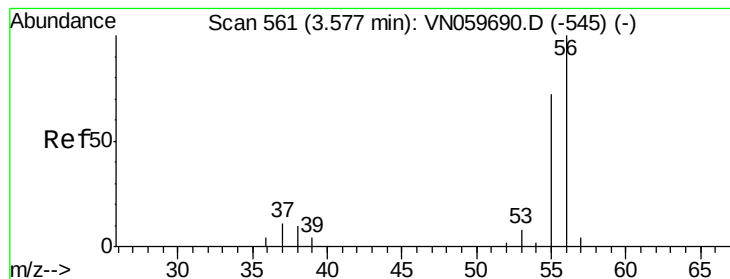


#12

1,1-Dichloroethene
Concen: 50.466 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	137.5	206.3
98	64.2	50.2	75.4





#13

Acrolein

Concen: 269.833 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69315

Ion Ratio Lower Upper

56 100

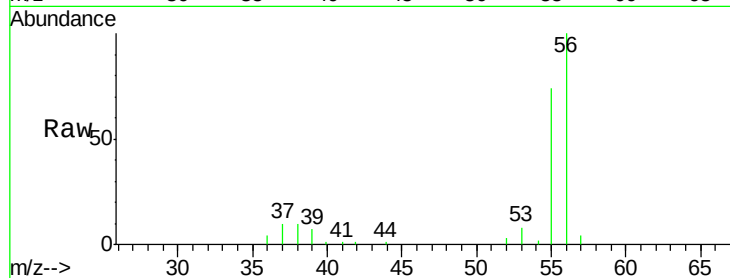
55 73.0 58.6 88.0

Manual Integrations

APPROVED

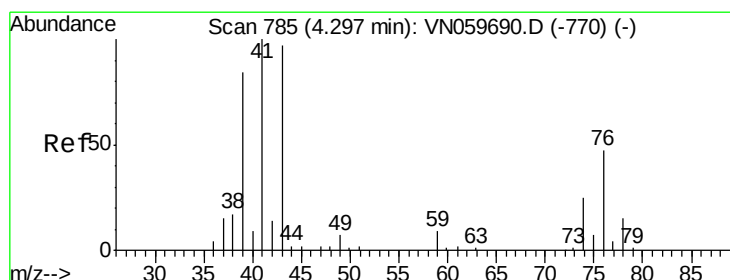
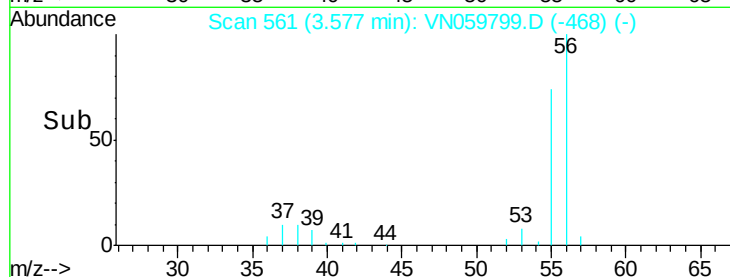
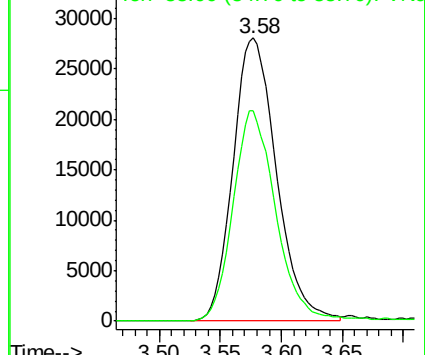
MMDadoda

1/21/2020 11:01:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.594 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

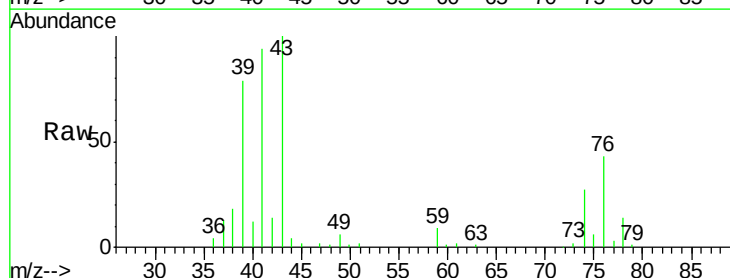
Tgt Ion: 41 Resp: 116319

Ion Ratio Lower Upper

41 100

39 83.5 57.8 86.8

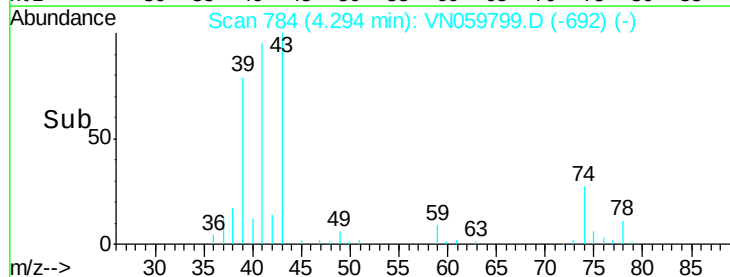
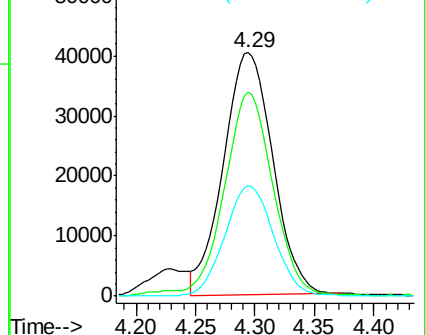
76 44.9 25.4 38.0#

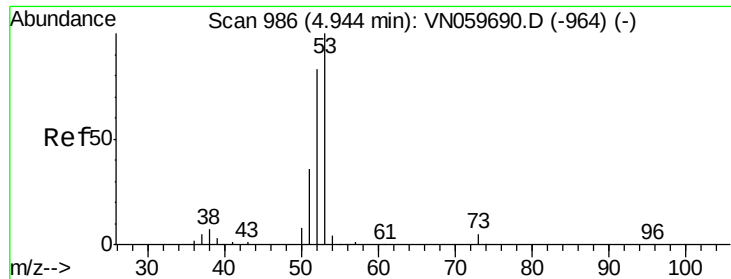


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 258.171 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

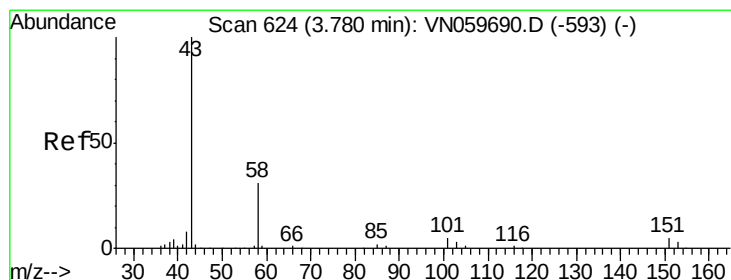
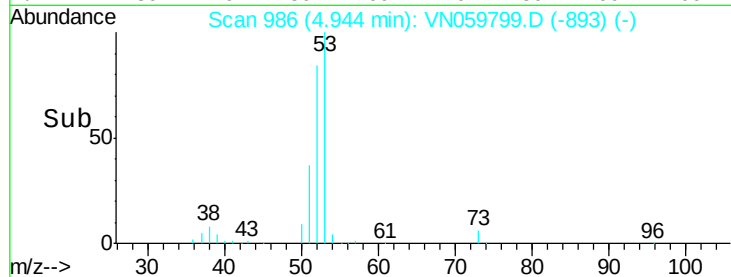
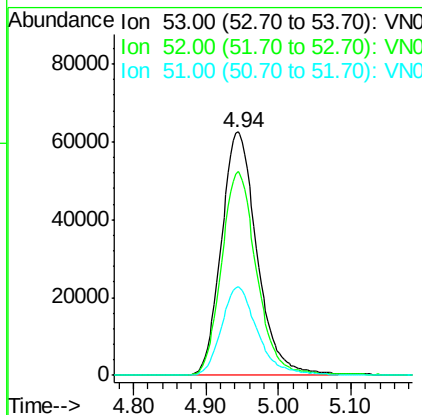
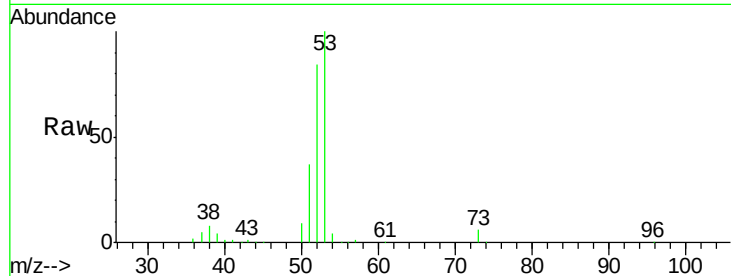
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	213708
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 240.364 ug/l

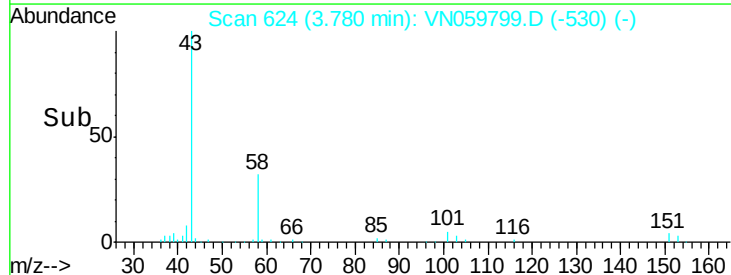
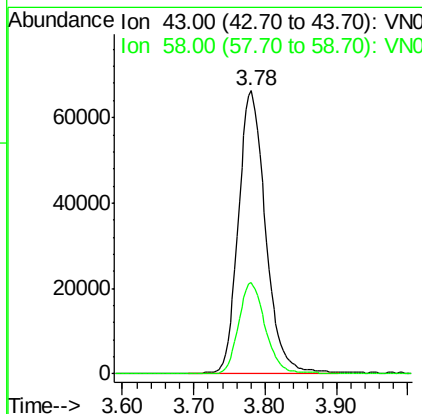
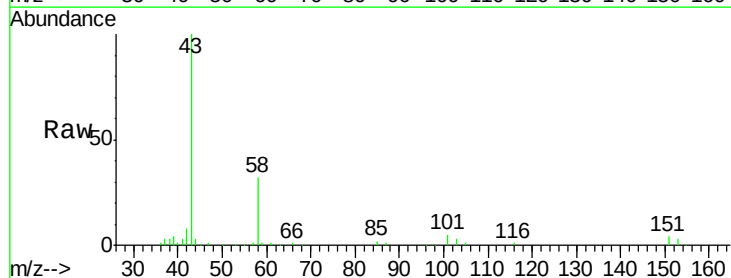
RT: 3.78 min Scan# 624

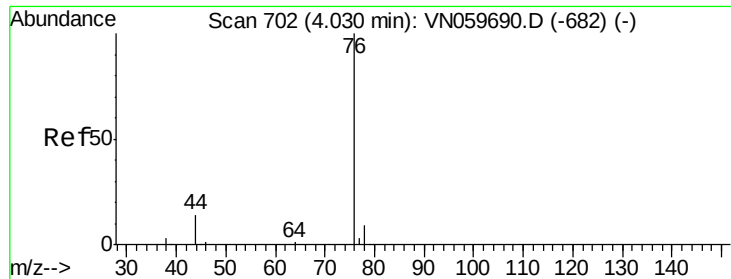
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	43	Resp:	177005
Ion	Ratio	Lower	Upper
43	100		
58	32.4	23.6	35.4





#17

Carbon Disulfide

Concen: 47.995 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 242805

Ion Ratio Lower Upper

76 100

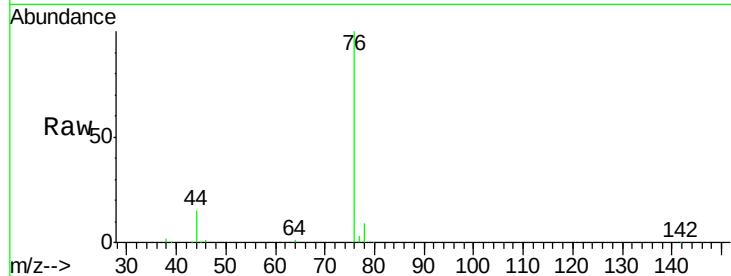
78 9.3 7.4 11.0

Manual Integrations

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MMDadoda

1/21/2020 11:01:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059799.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059799.D (-682) (-)

4.03

100000

80000

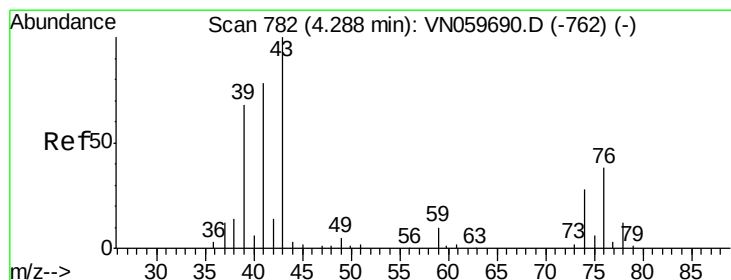
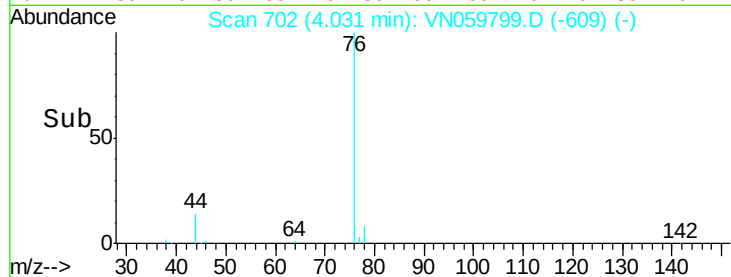
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 52.541 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059799.D

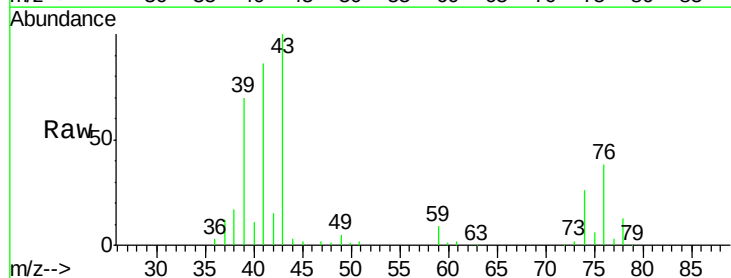
Acq: 20 Jan 2020 20:01

Tgt Ion: 43 Resp: 132294

Ion Ratio Lower Upper

43 100

74 26.5 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059799.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN059799.D (-689) (-)

4.29

50000

40000

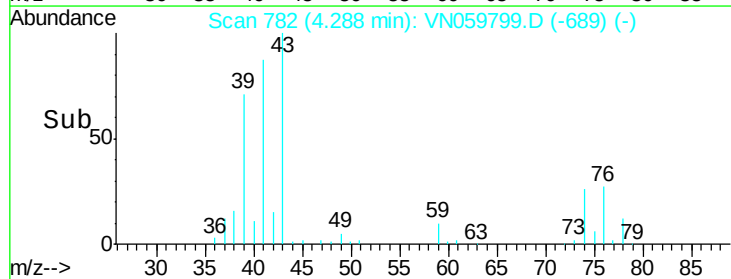
30000

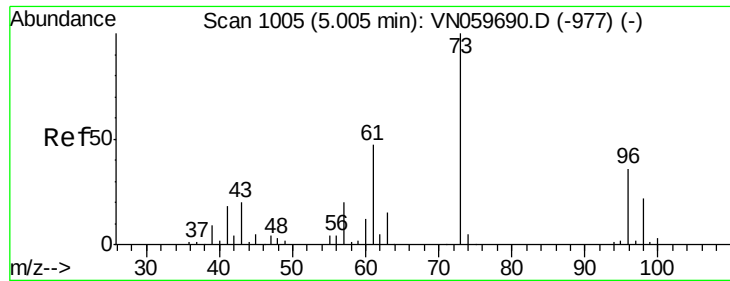
20000

10000

0

Time-->





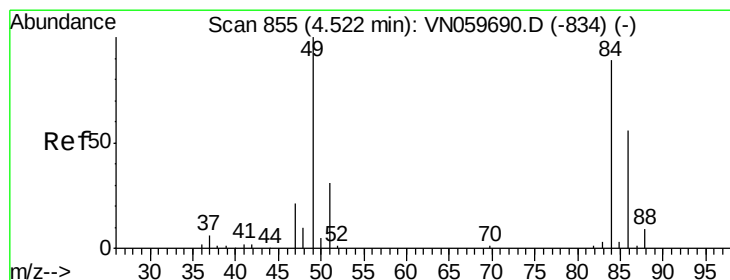
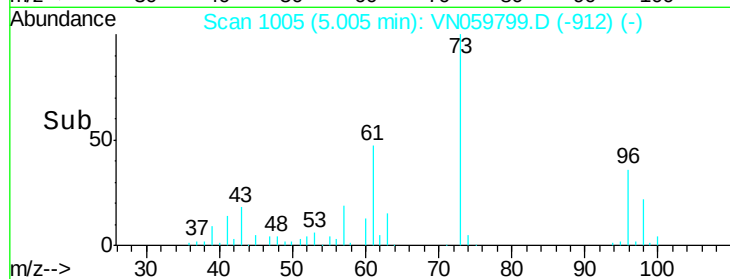
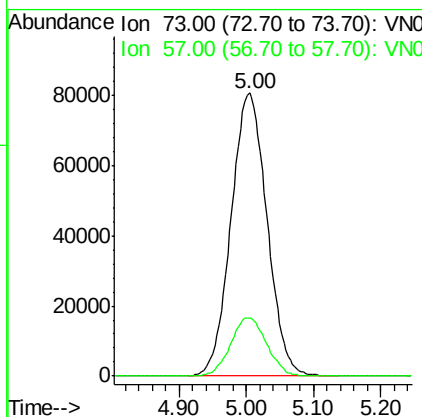
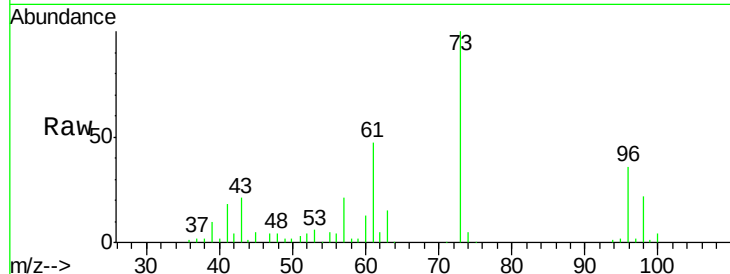
#19
Methyl tert-butyl Ether
Concen: 51.705 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 299383
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

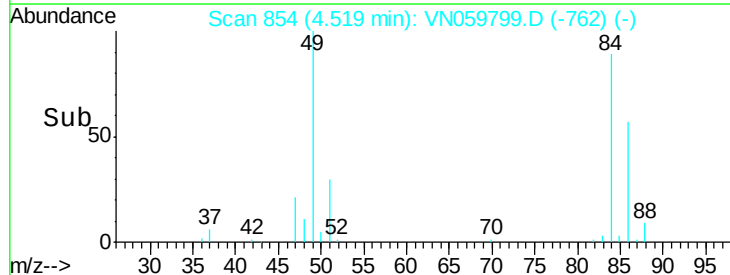
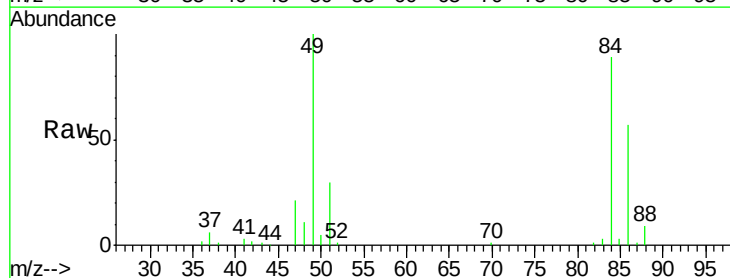
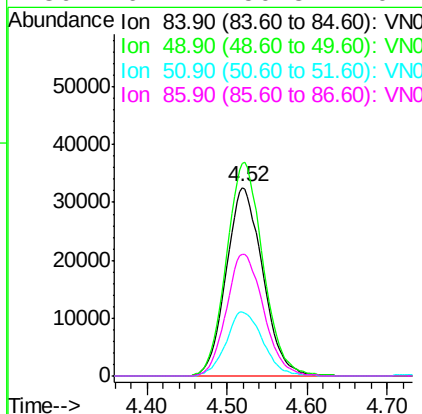
Manual Integrations
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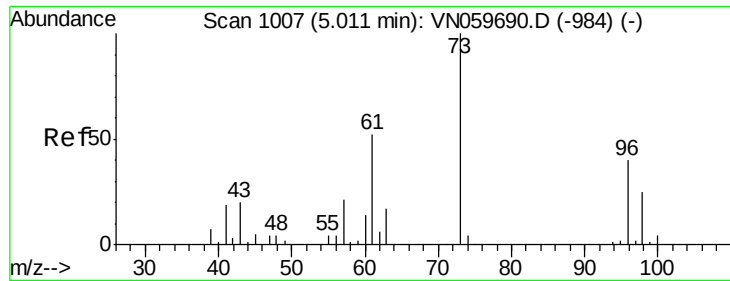
MMDadoda
1/21/2020 11:01:15 AM



#20
Methylene Chloride
Concen: 52.228 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion: 84 Resp: 101746
Ion Ratio Lower Upper
84 100
49 112.8 106.6 160.0
51 34.0 31.9 47.9
86 64.7 50.8 76.2





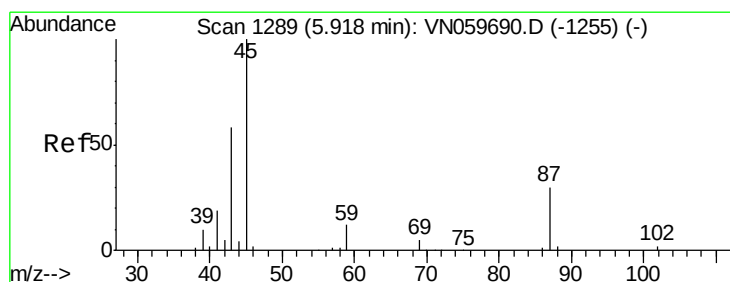
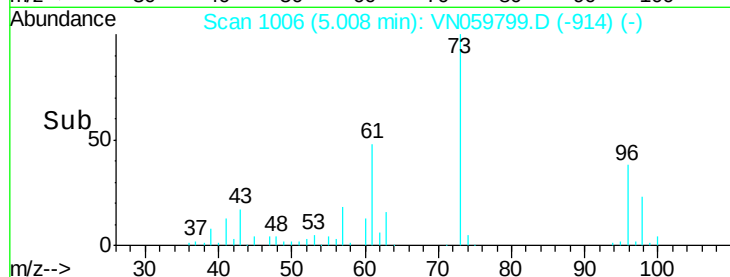
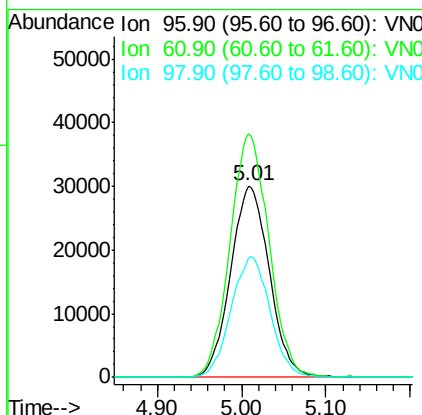
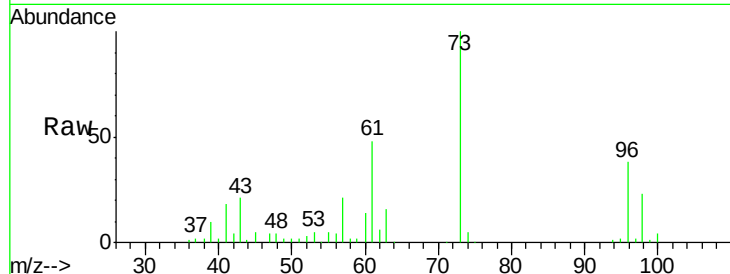
#21
trans-1,2-Dichloroethene
Concen: 50.889 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	120.4	180.6
98	62.2	50.6	75.8

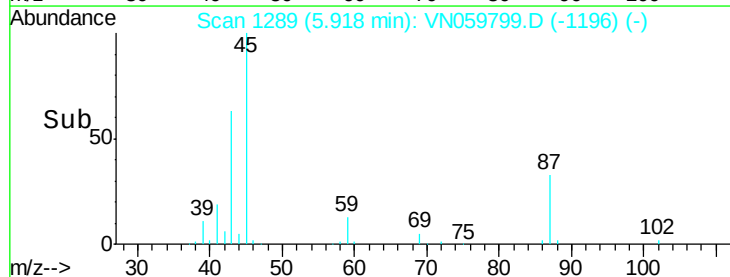
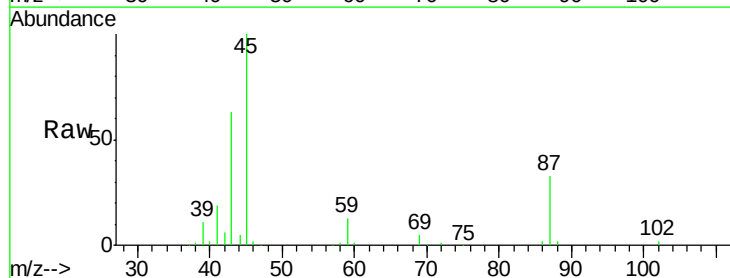
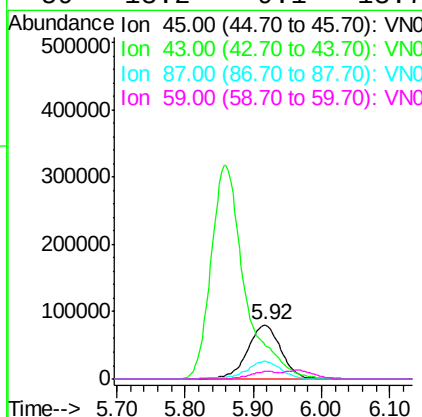
Manual Integrations
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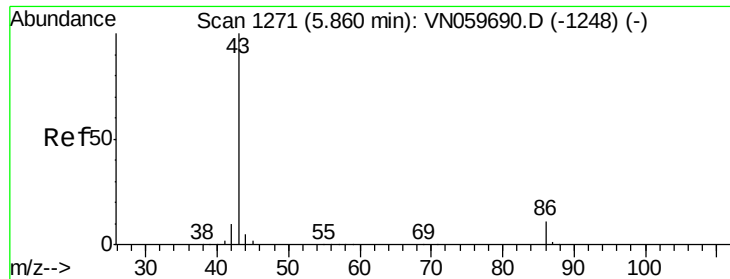
MMDadoda
1/21/2020 11:01:15 AM



#22
Diisopropyl ether
Concen: 50.296 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	50.8	76.2
87	32.5	21.0	31.6
59	13.2	9.1	13.7





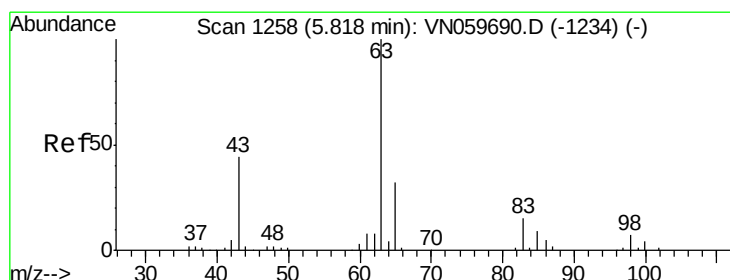
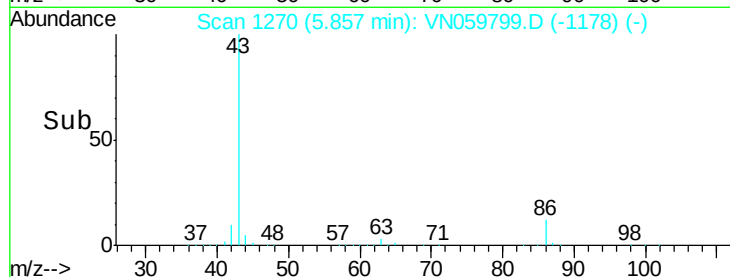
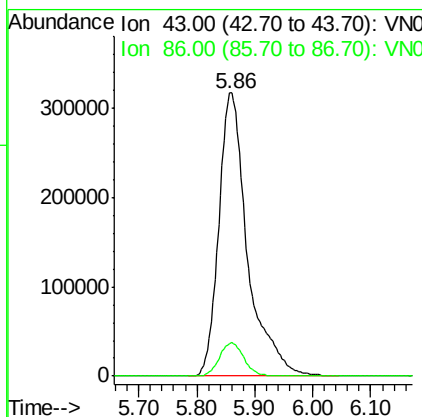
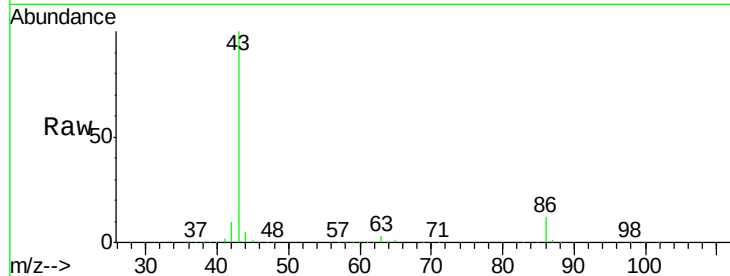
#23
 Vinyl Acetate
 Concen: 259.630 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1090427
 Ion Ratio Lower Upper
 43 100
 86 11.6 7.6 11.4#

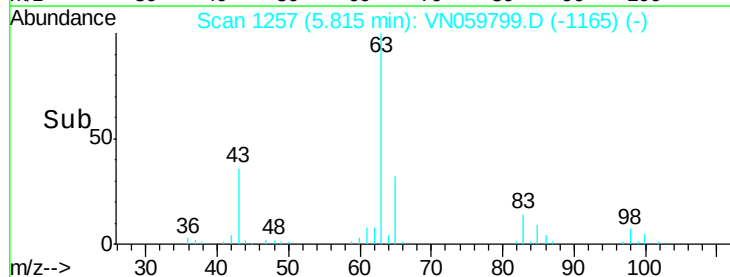
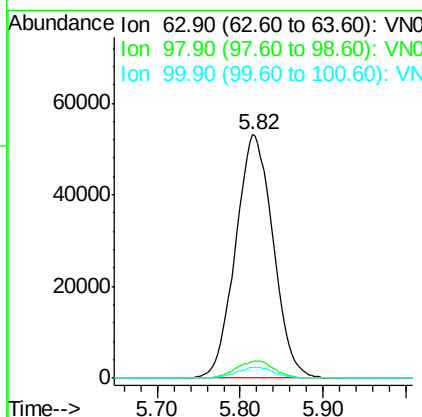
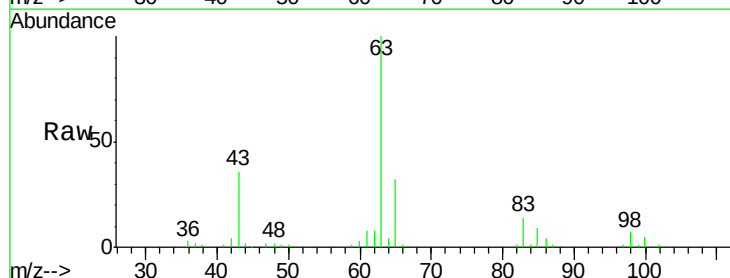
Manual Integrations
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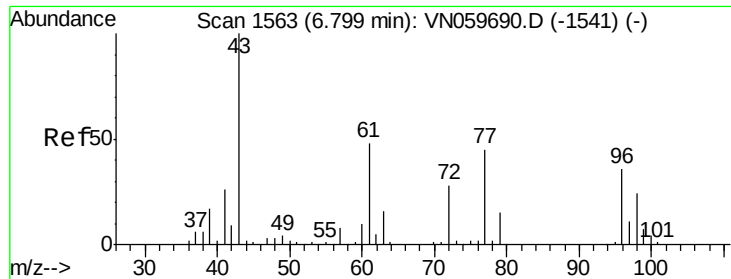
MMDadoda
 1/21/2020 11:01:15 AM



#24
 1,1-Dichloroethane
 Concen: 50.472 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion: 63 Resp: 167291
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.9 8.7
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 226.635 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 276658

Ion Ratio Lower Upper

43 100

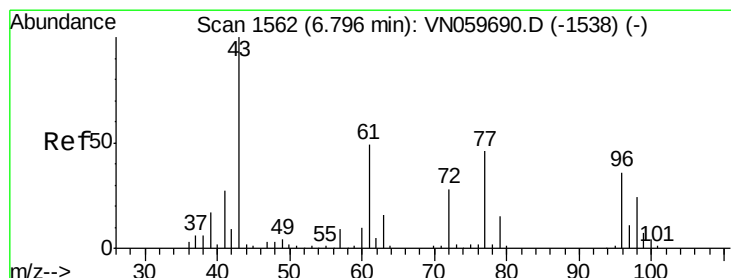
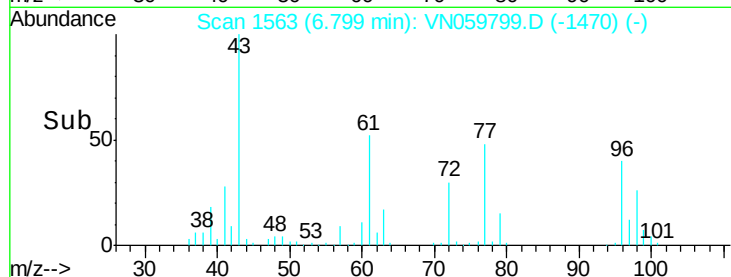
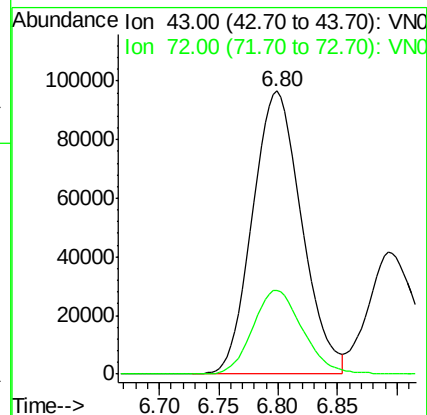
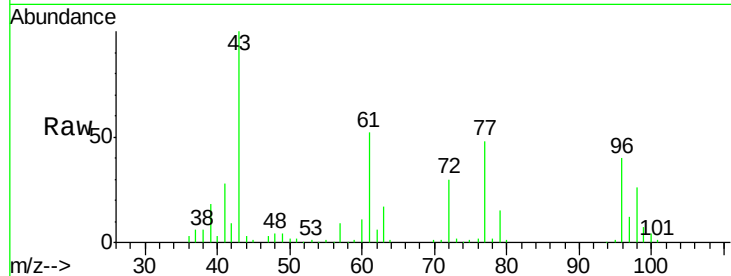
72 29.7 19.9 29.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 46.983 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059799.D

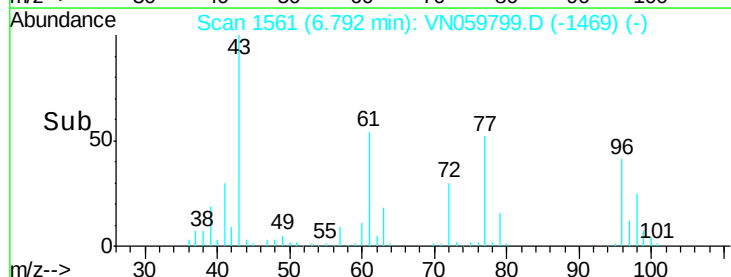
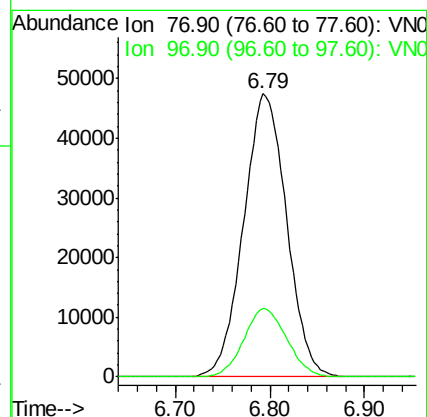
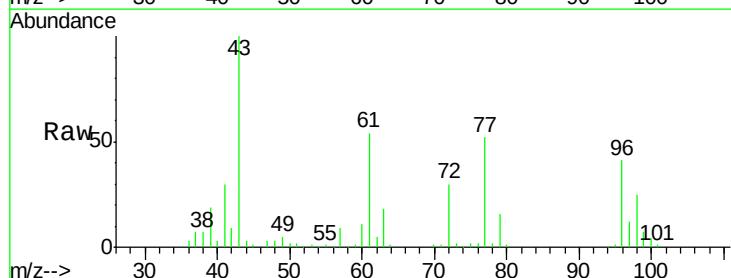
Acq: 20 Jan 2020 20:01

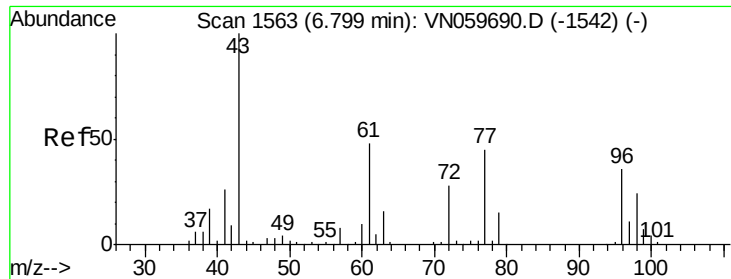
Tgt Ion: 77 Resp: 149711

Ion Ratio Lower Upper

77 100

97 24.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.219 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

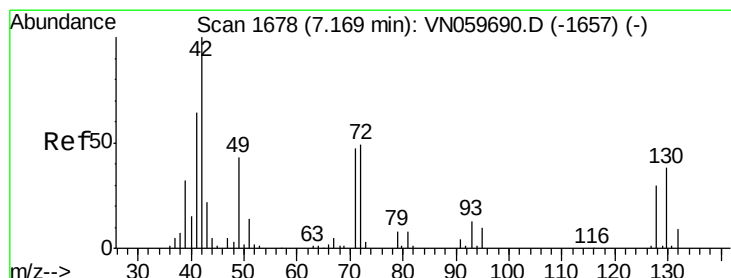
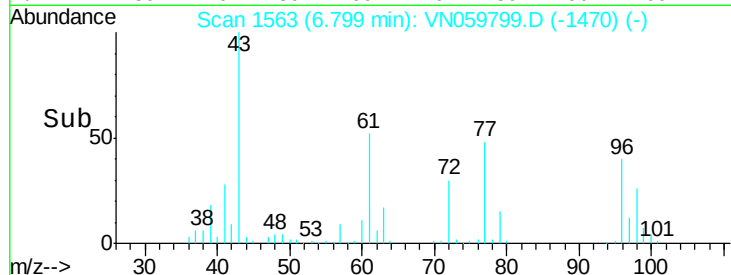
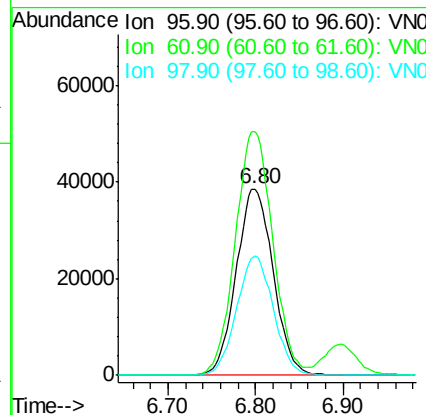
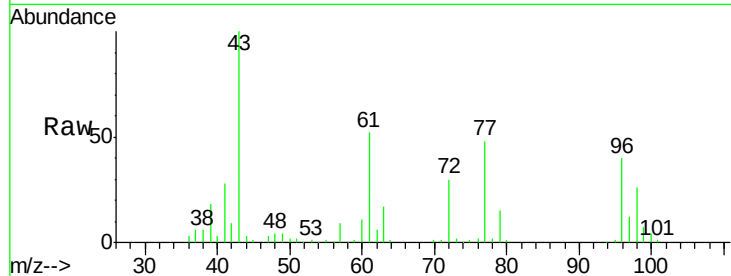
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	113381
Ion Ratio	Lower	Upper	
96	100		
61	132.5	0.0	317.6
98	63.6	0.0	127.0

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#28

Bromochloromethane

Concen: 48.152 ug/l

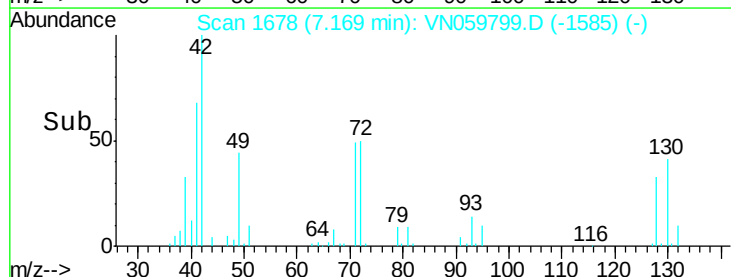
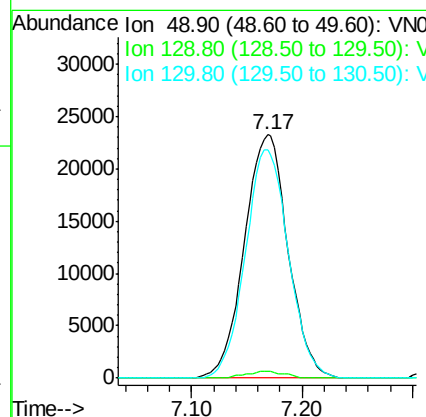
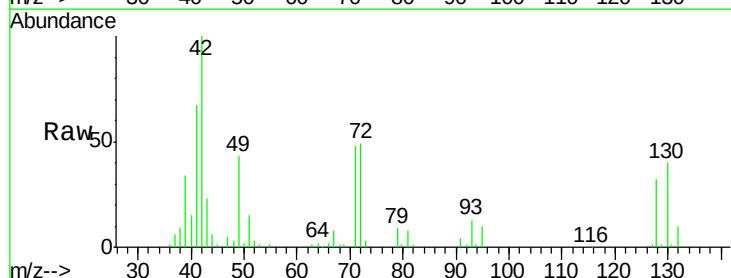
RT: 7.17 min Scan# 1678

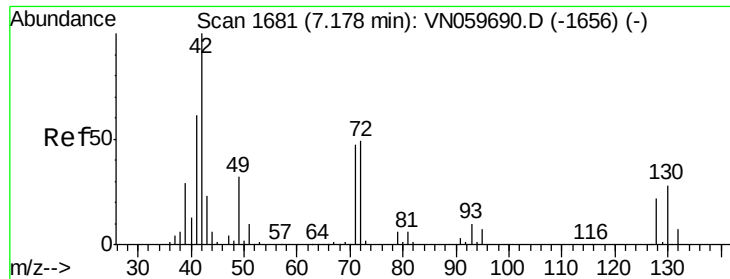
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	49	Resp:	63790
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.4
130	92.6	54.7	82.1#





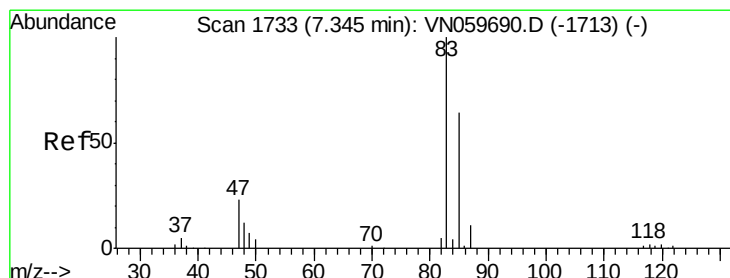
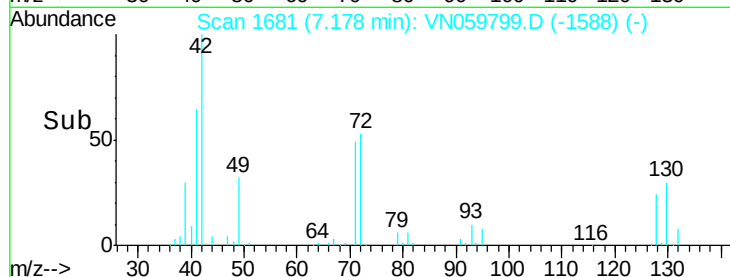
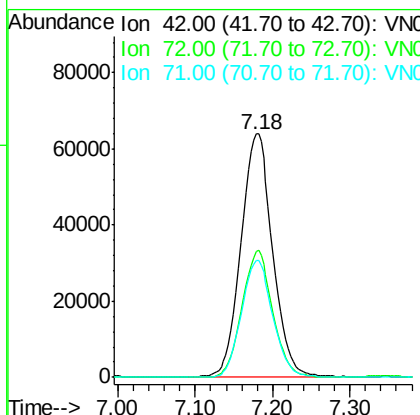
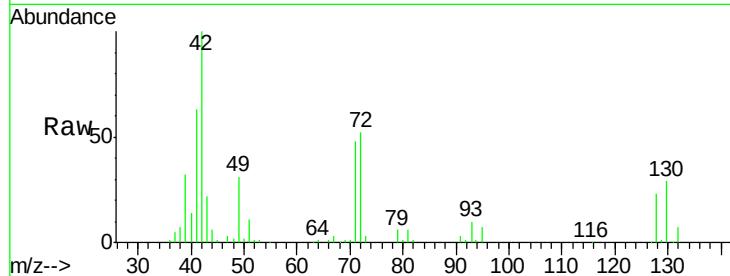
#29
Tetrahydrofuran
Concen: 241.787 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	33.1	49.7#
71	47.2	31.4	47.0#

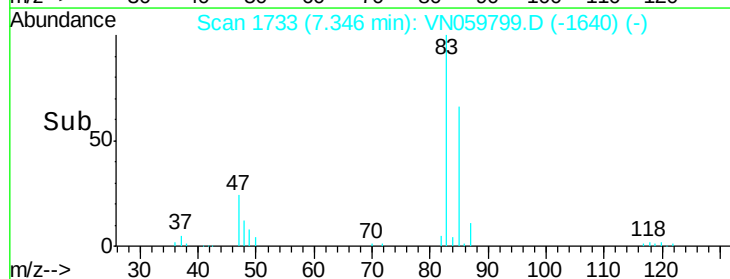
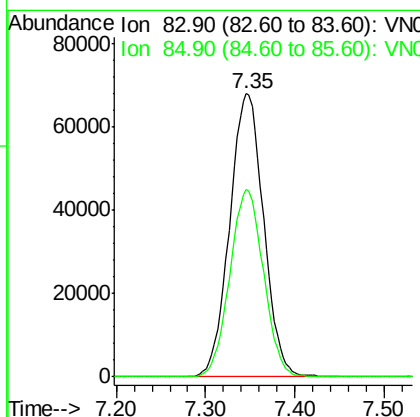
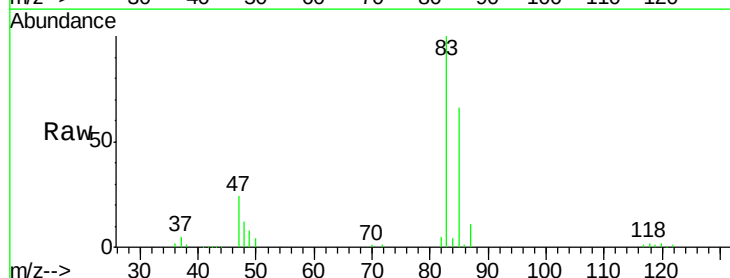
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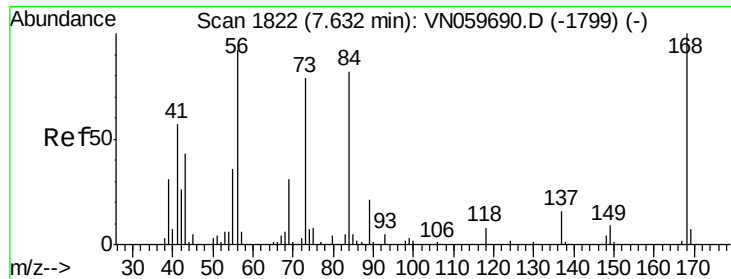
MMDadoda
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#30
Chloroform
Concen: 52.283 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6





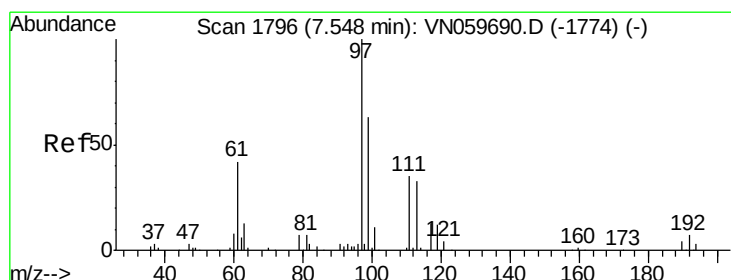
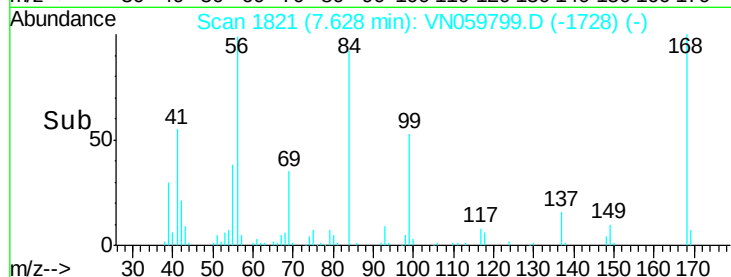
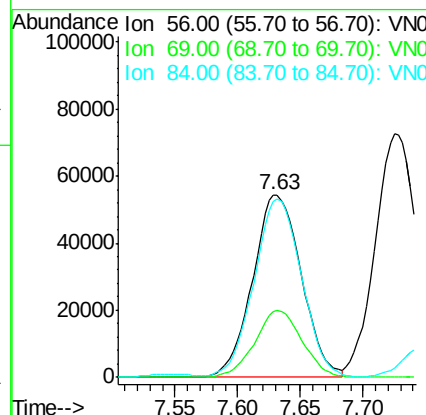
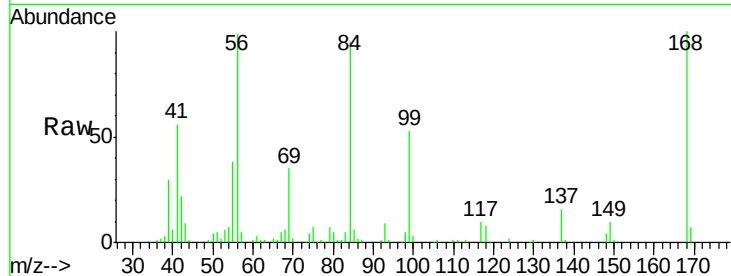
#31
Cyclohexane
Concen: 46.105 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	26.5	39.7
84	94.8	65.3	97.9

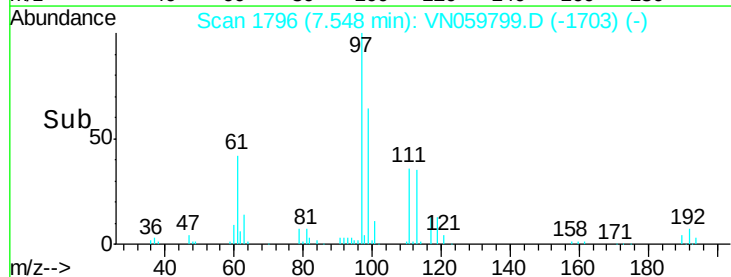
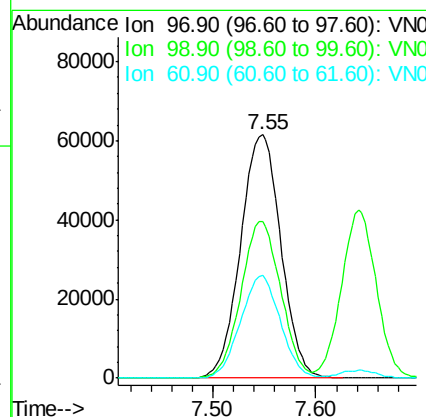
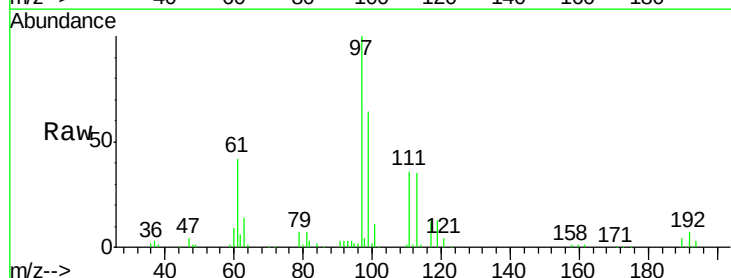
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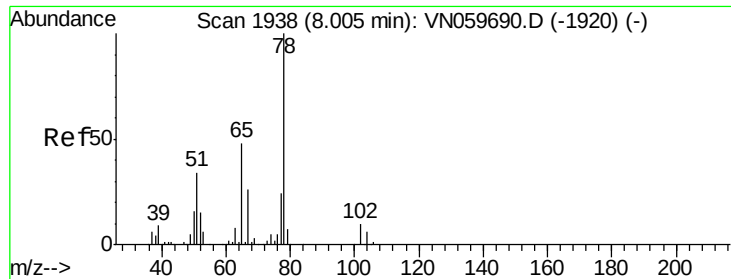
MMDadoda
1/21/2020 11:01:15 AM



#32
1,1,1-Trichloroethane
Concen: 52.714 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	41.5	38.5	57.7





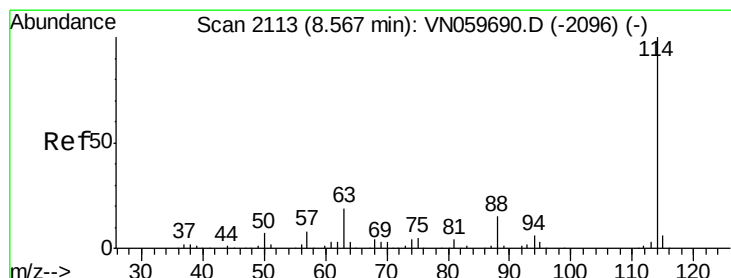
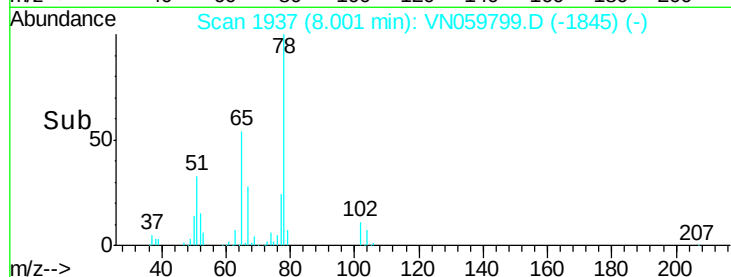
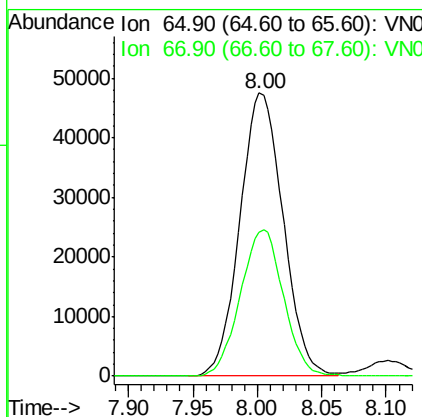
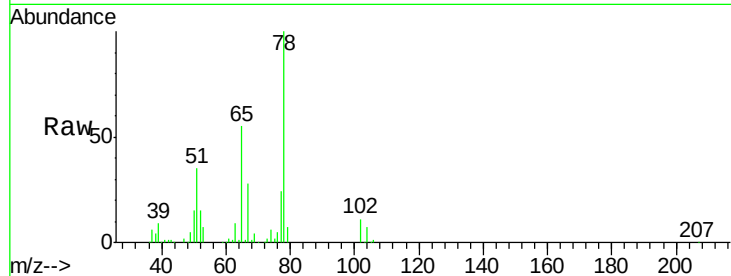
#33
 1,2-Dichloroethane-d4
 Concen: 51.587 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 111202
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0

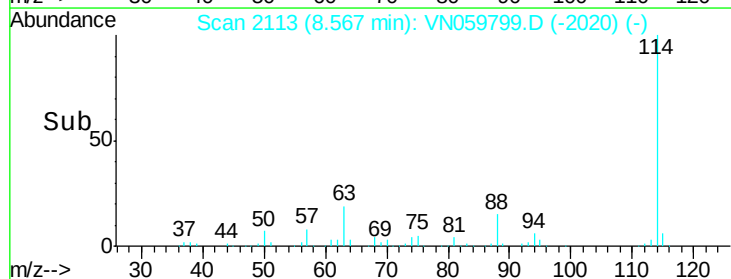
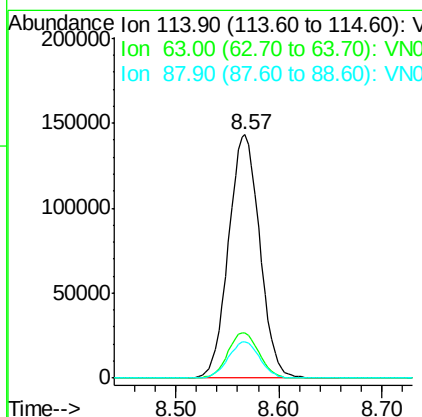
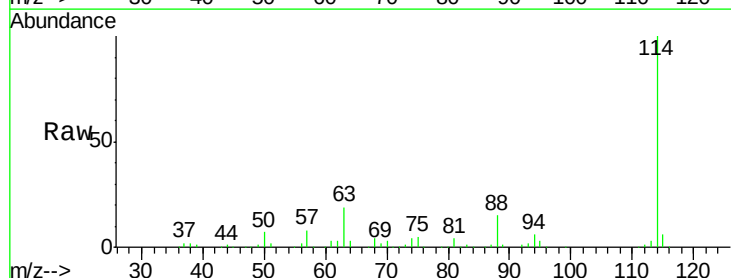
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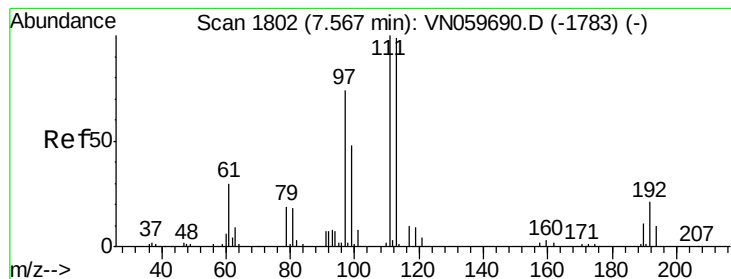
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 1/21/2020 11:01:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion: 114 Resp: 301819
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.6
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.635 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

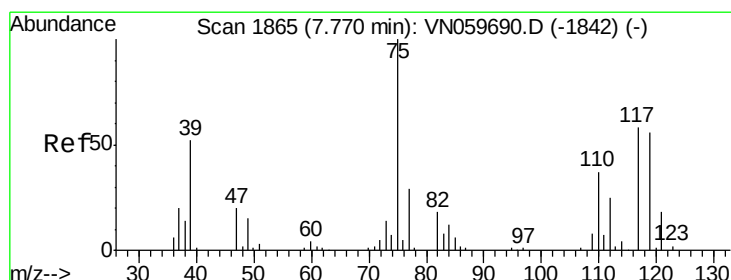
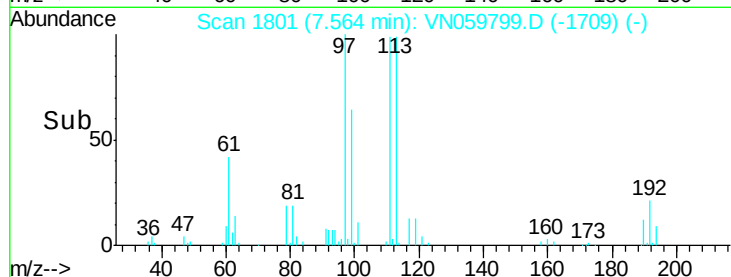
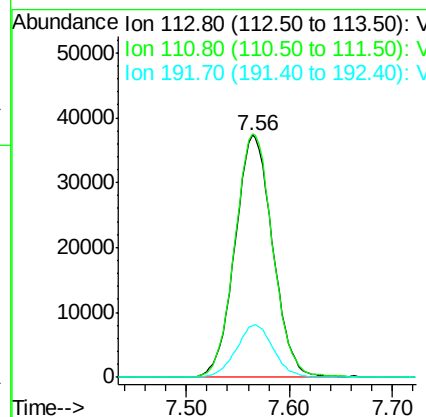
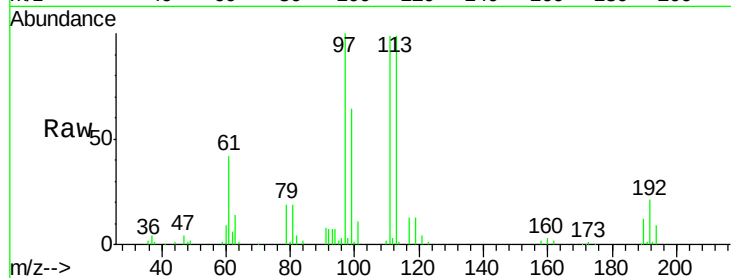
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	94736
Ion Ratio	Lower	Upper	
113	100		
111	101.1	83.5	125.3
192	21.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 49.660 ug/l

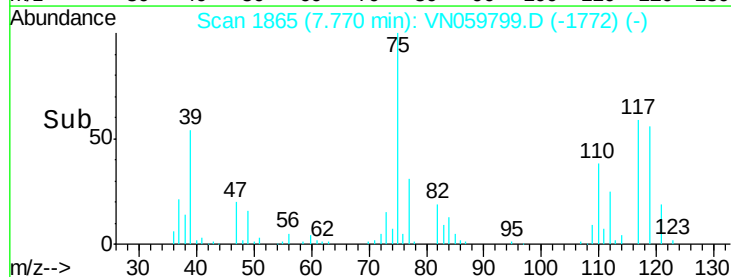
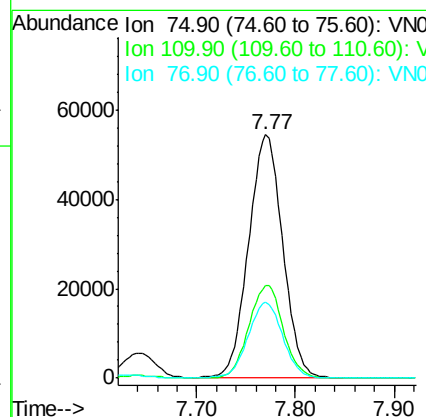
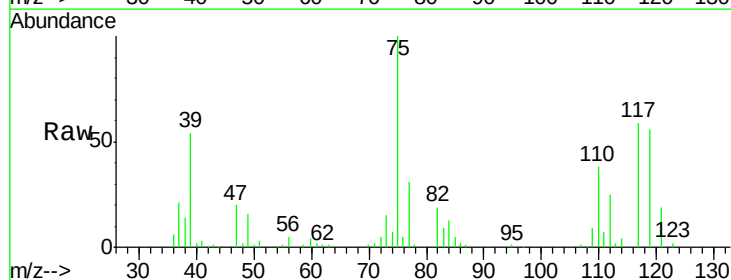
RT: 7.77 min Scan# 1865

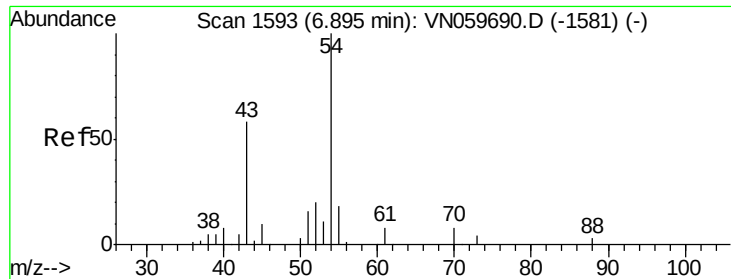
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	75	Resp:	130524
Ion Ratio	Lower	Upper	
75	100		
110	38.1	16.6	49.7
77	31.6	25.1	37.7





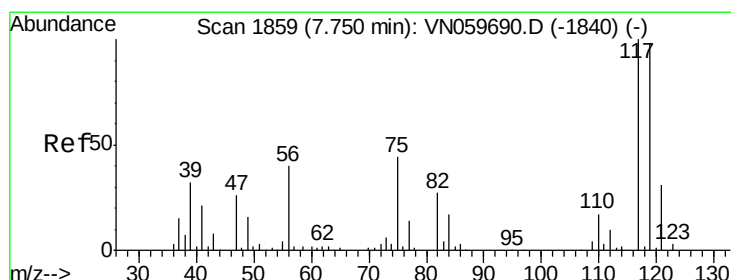
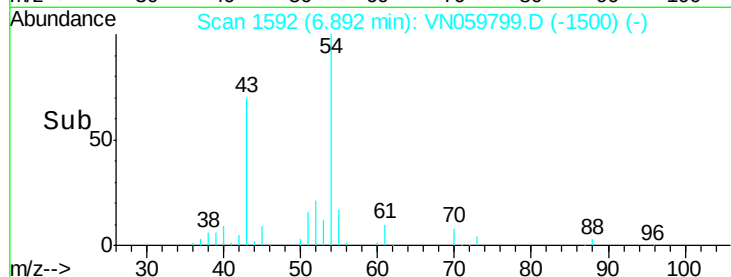
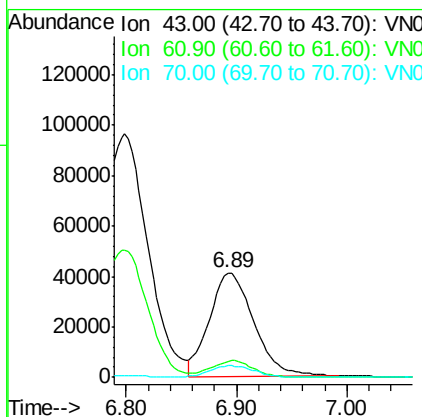
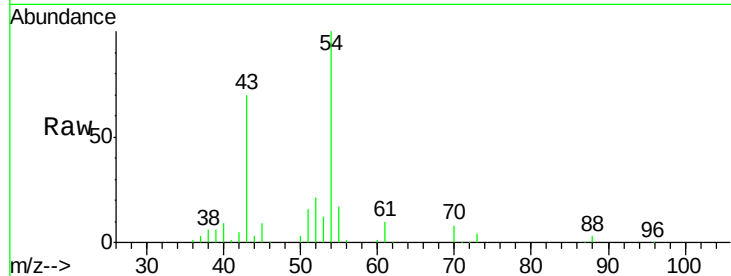
#37
Ethyl Acetate
Concen: 46.628 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

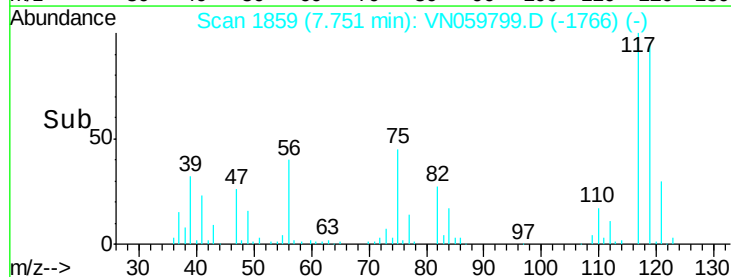
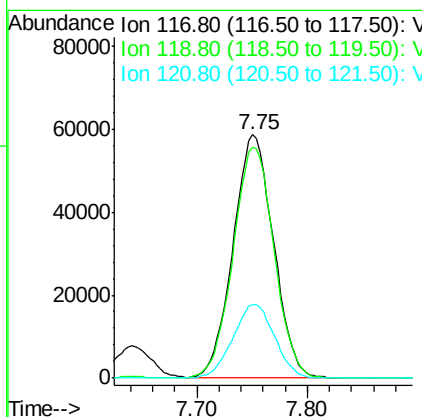
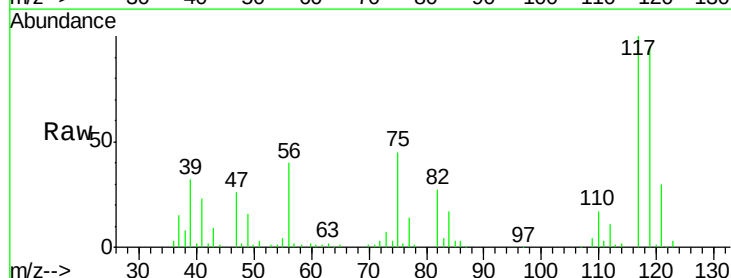
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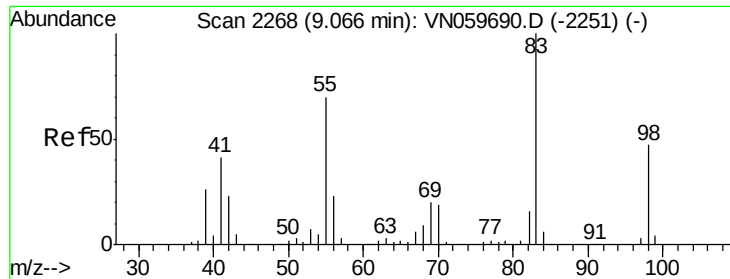
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#38
Carbon Tetrachloride
Concen: 52.178 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
121	30.4	25.1	37.7





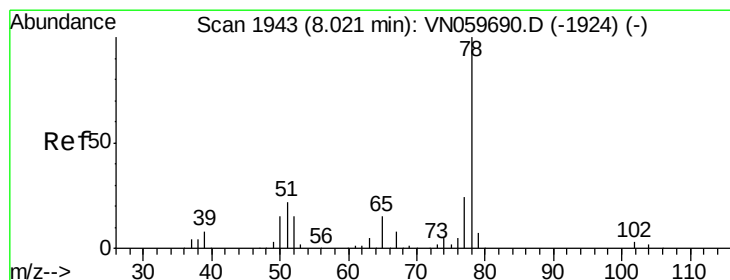
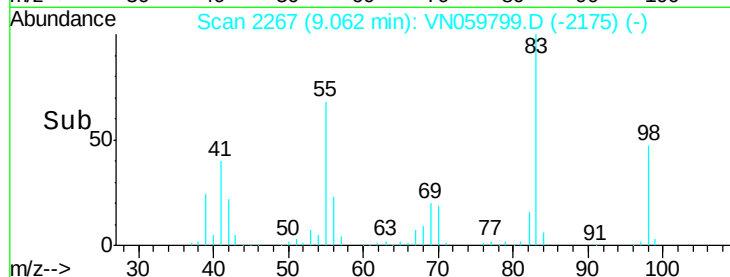
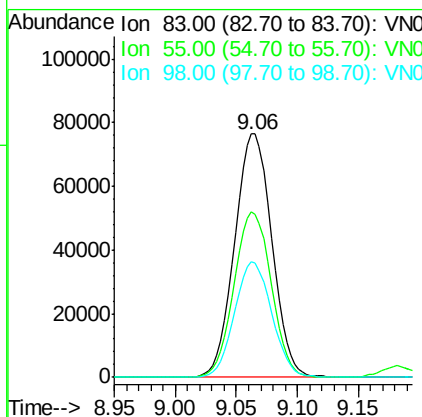
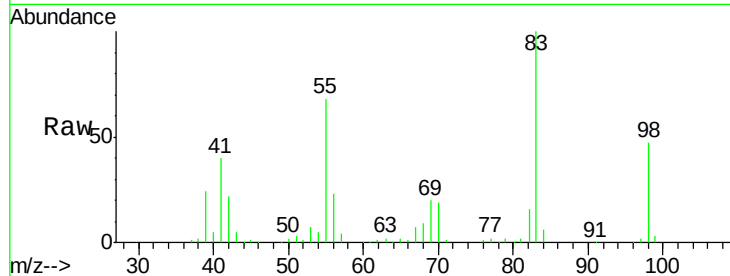
#39
Methylvlcyclohexane
Concen: 50.002 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	162049
Ion Ratio	Lower	Upper	
83	100		
55	67.9	64.2	96.2
98	47.4	35.9	53.9

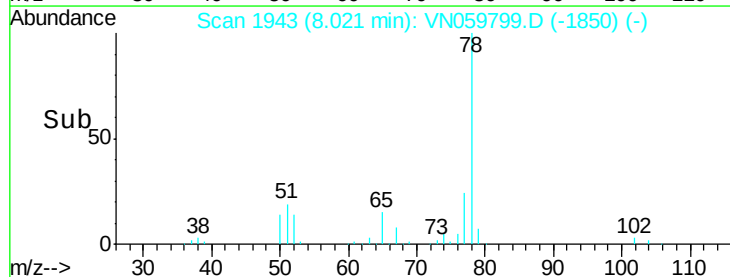
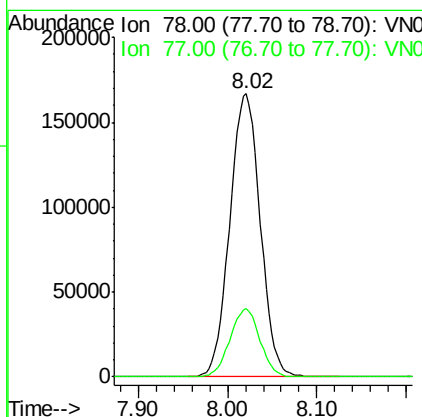
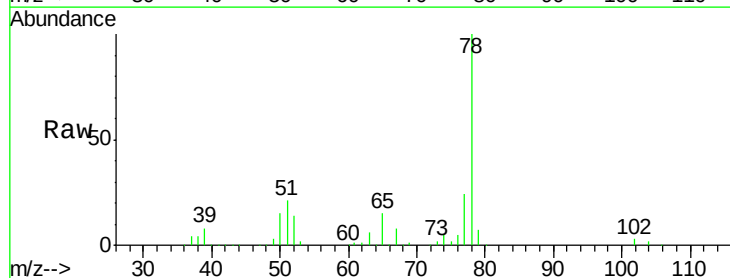
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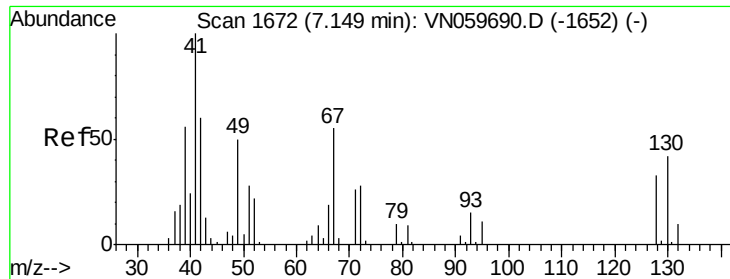
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#40
Benzene
Concen: 50.361 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	78	Resp	394762
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.9	28.3





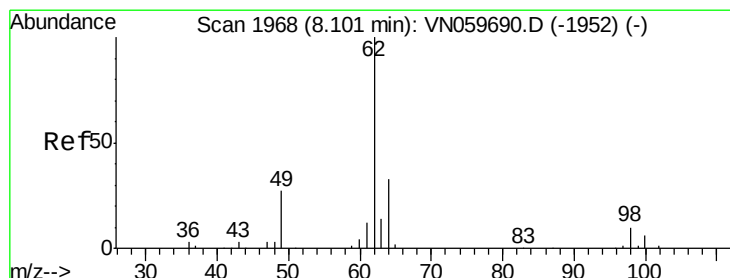
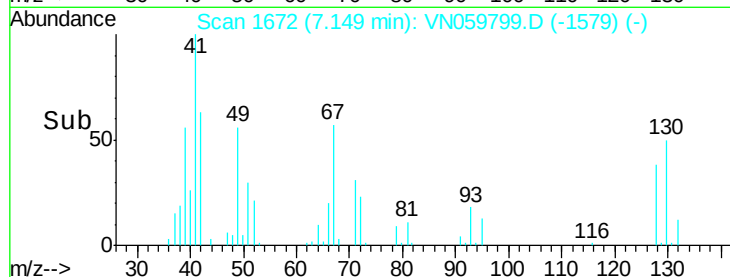
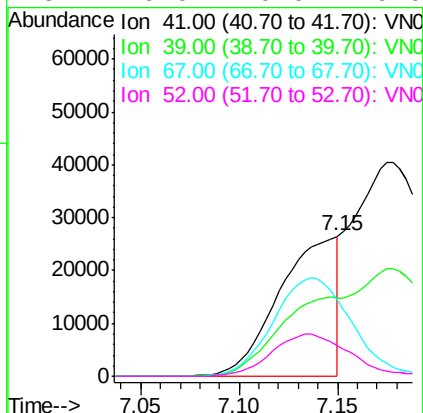
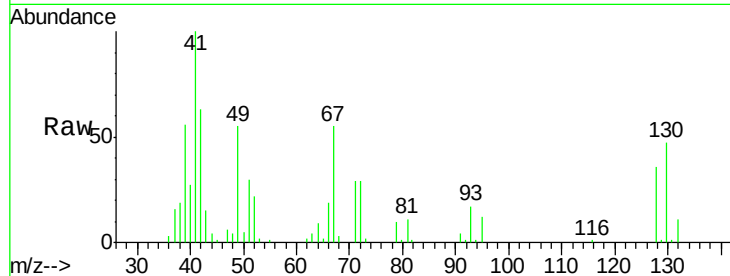
#41
Methacrylonitrile
Concen: 44.459 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	53983
Ion	Ratio	Lower	Upper
41	100		
39	166.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

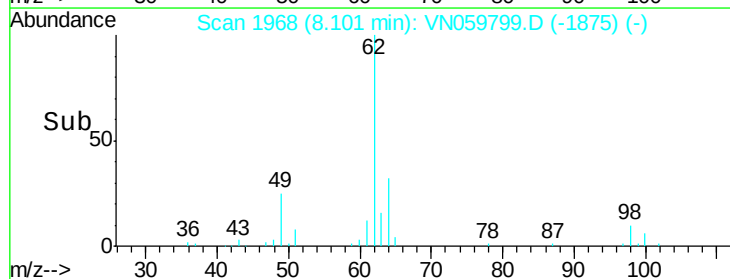
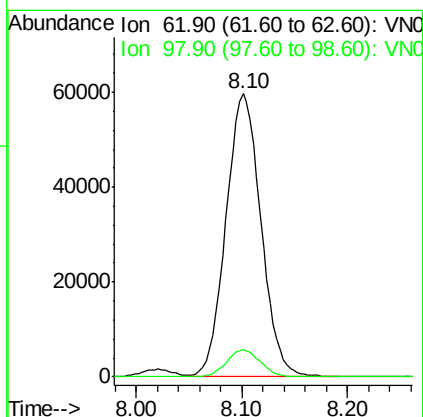
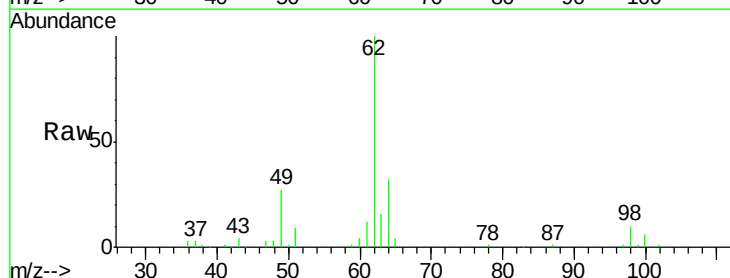
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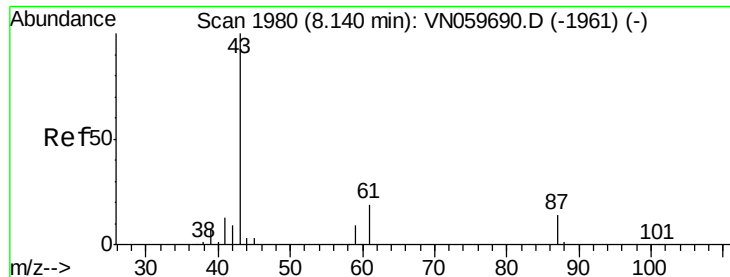
MMDadoda
1/21/2020 11:01:15 AM



#42
1,2-Dichloroethane
Concen: 51.352 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	62	Resp	136481
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 48.236 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

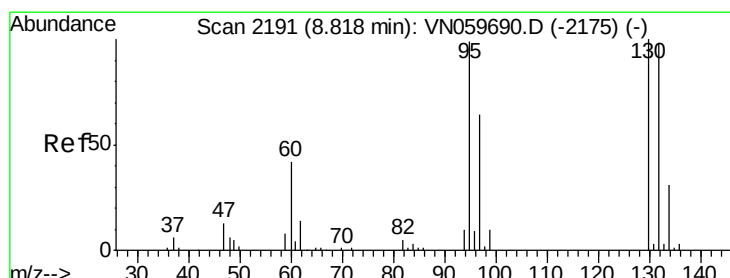
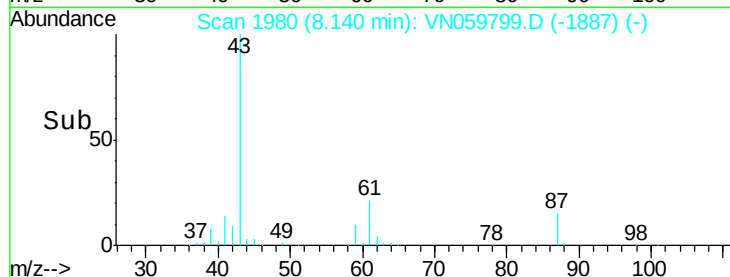
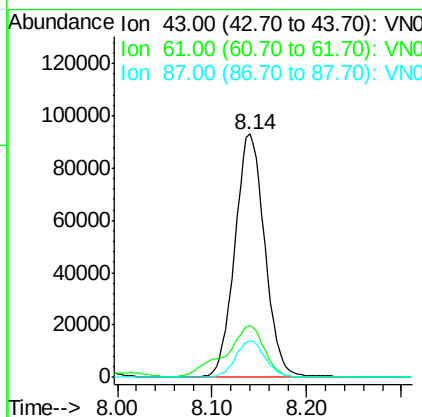
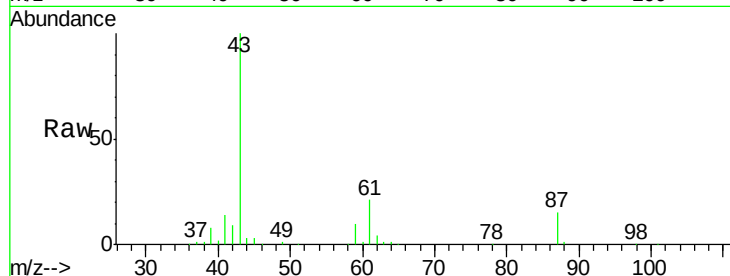
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	204531
Ion	Ratio	Lower	Upper
43	100		
61	28.0	20.2	30.2
87	15.0	9.5	14.3#

Manual Integrations
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1/21/2020 11:01:15 AM



#44

Trichloroethene

Concen: 51.656 ug/l

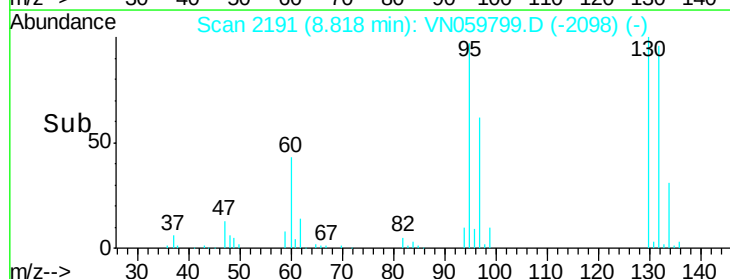
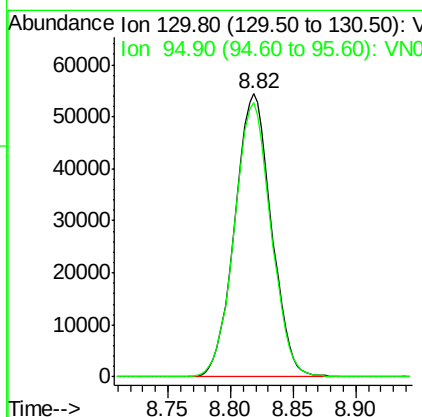
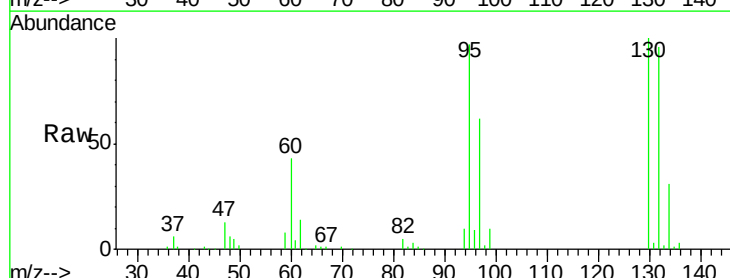
RT: 8.82 min Scan# 2191

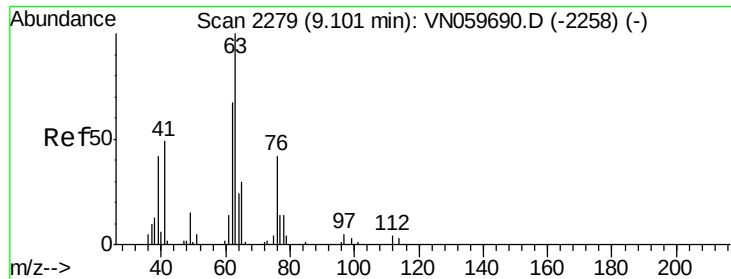
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	130	Resp:	110538
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	207.0





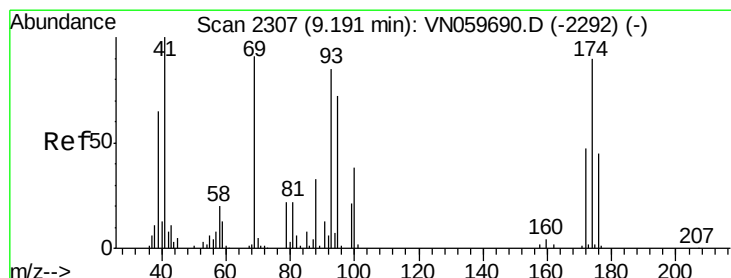
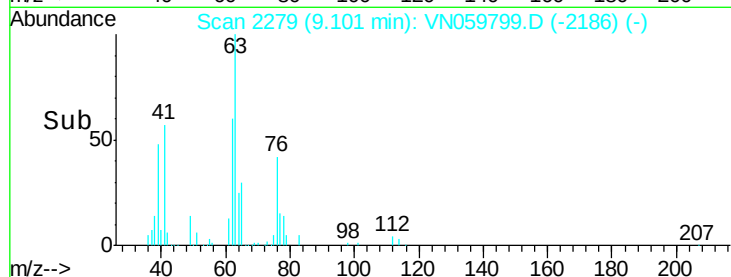
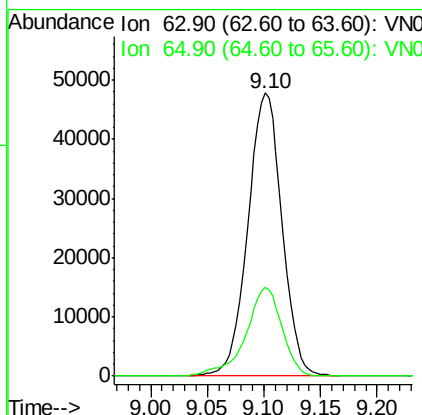
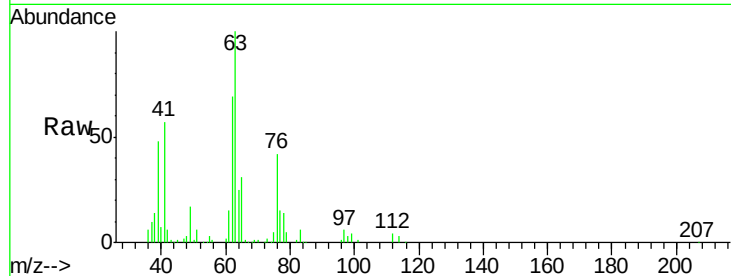
#45
 1,2-Dichloropropane
 Concen: 51.618 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 100123
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

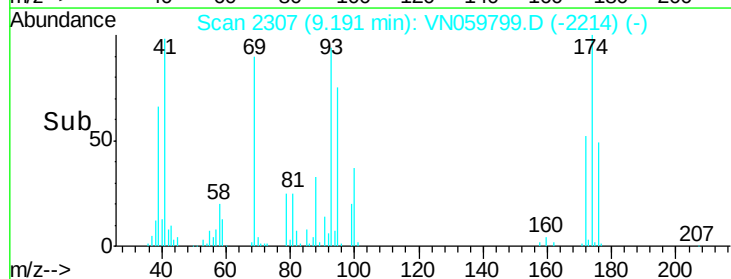
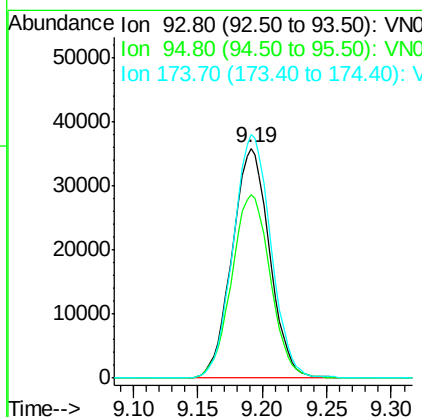
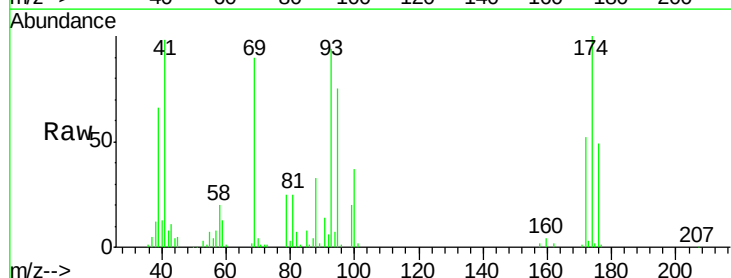
Manual Integrations
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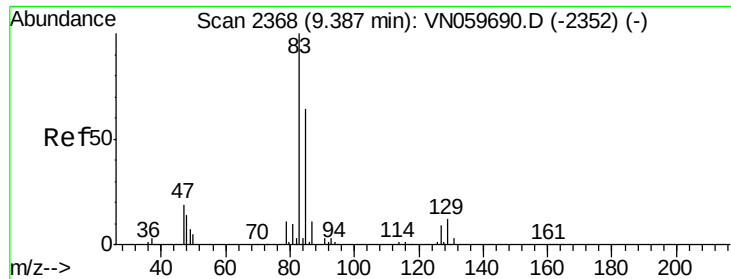
MMDadoda
 1/21/2020 11:01:15 AM



#46
 Dibromomethane
 Concen: 52.911 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion: 93 Resp: 72396
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.6
 174 106.8 73.4 110.2





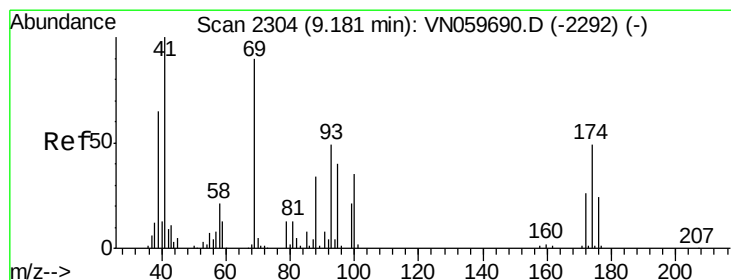
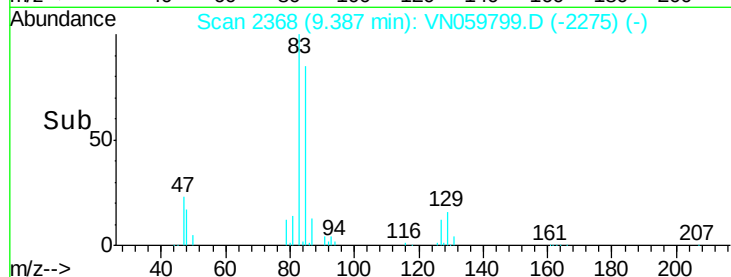
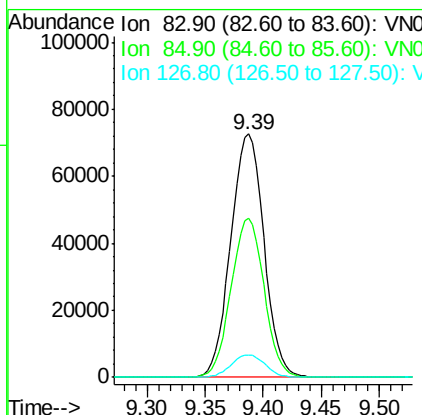
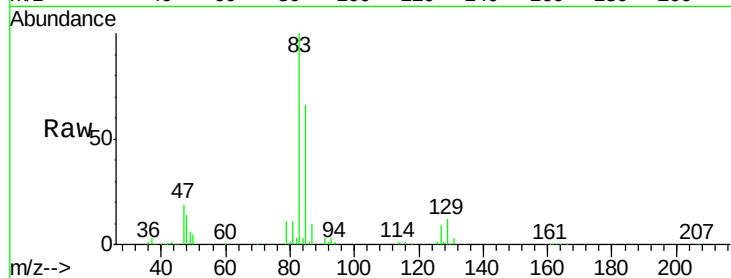
#47
Bromodichloromethane
Concen: 52.507 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	144776
Ion Ratio	100		
85	65.6	51.1	76.7
127	9.3	6.6	9.8

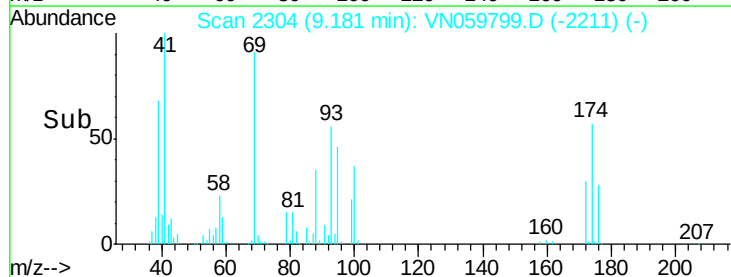
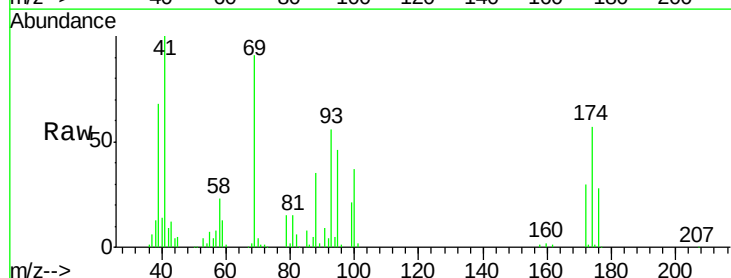
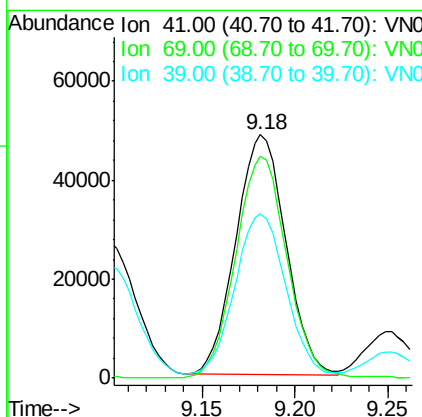
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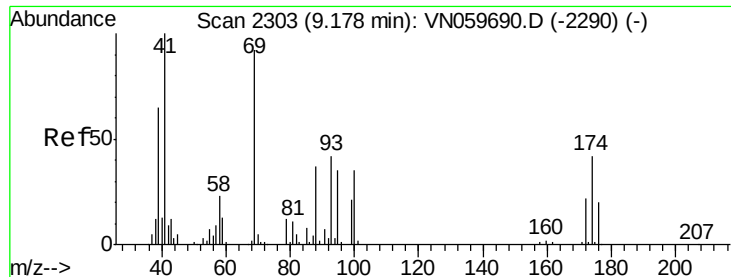
MMDadoda
1/21/2020 11:01:15 AM



#48
Methyl methacrylate
Concen: 48.131 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	41	Resp	91286
Ion Ratio	100		
69	94.4	64.4	96.6
39	67.4	51.3	76.9





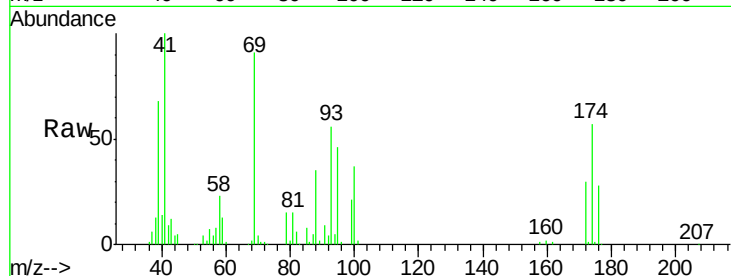
#49
1,4-Dioxane
Concen: 1044.460 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.7	44.5
58	63.0	56.6	85.0

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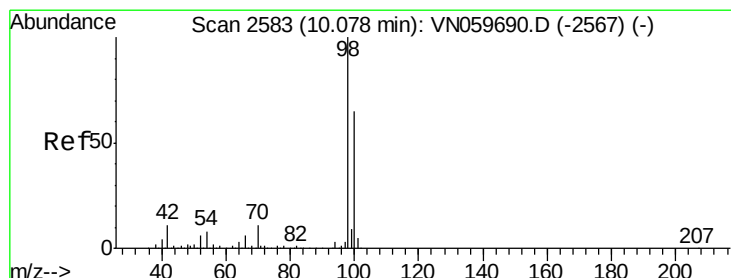
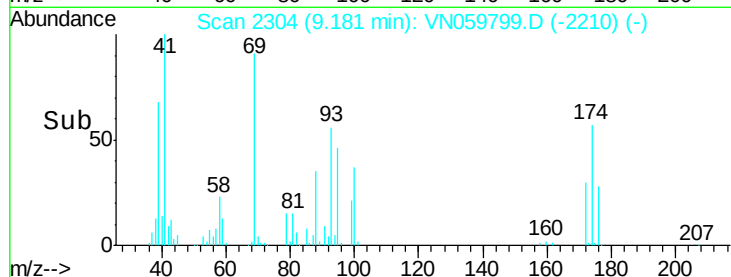
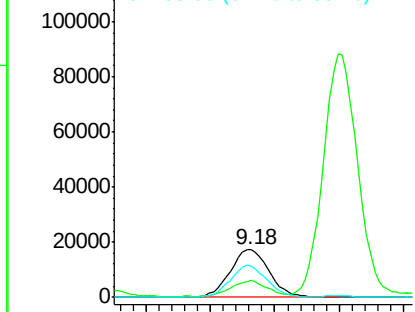


Abundance

Ion 88.00 (87.70 to 88.70): VN0

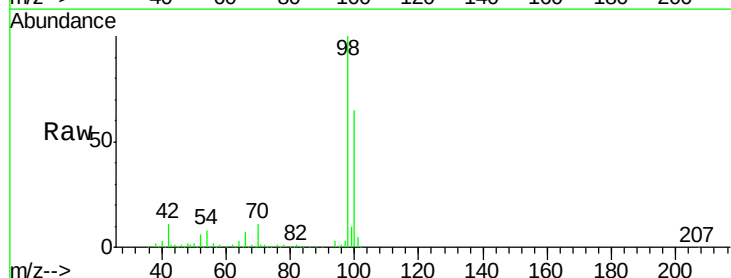
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.219 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

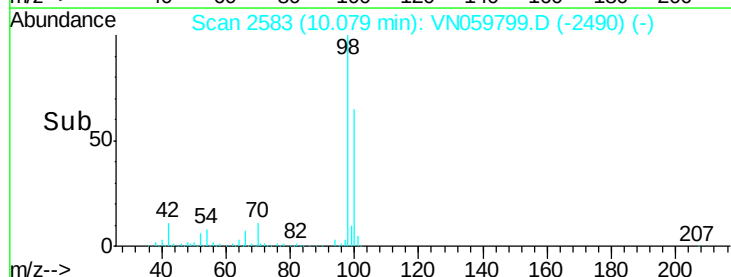
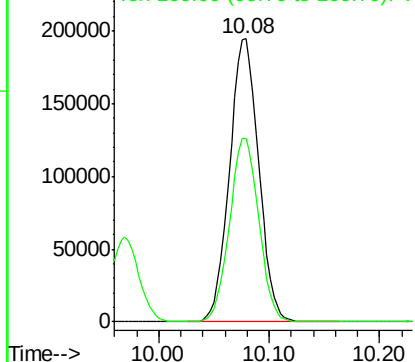
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8

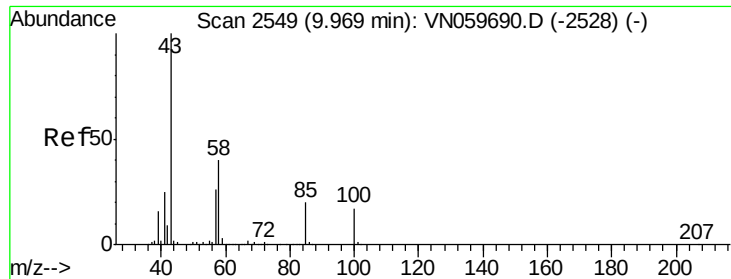


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





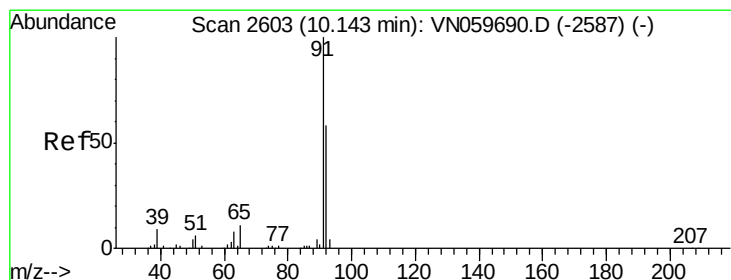
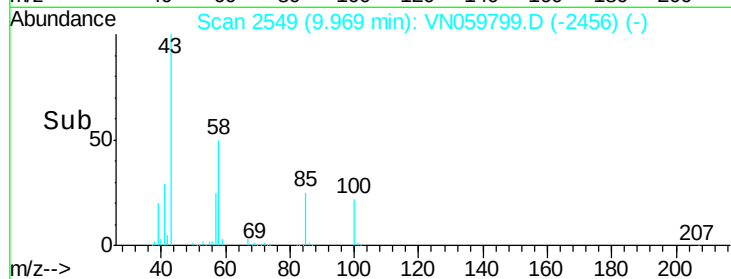
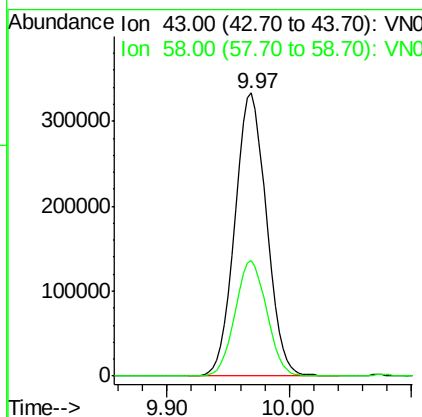
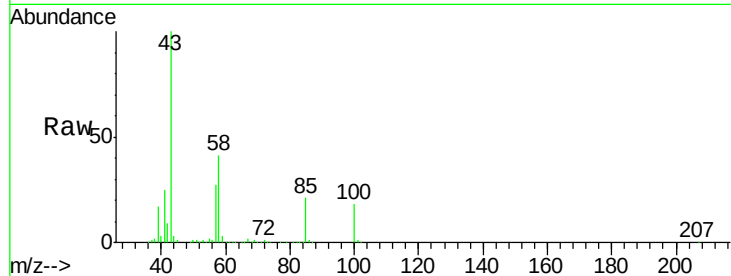
#51
 4-Methyl-2-Pentanone
 Concen: 243.132 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	595945
Ion Ratio	100	Lower	Upper
43	100		
58	41.0	29.8	44.8

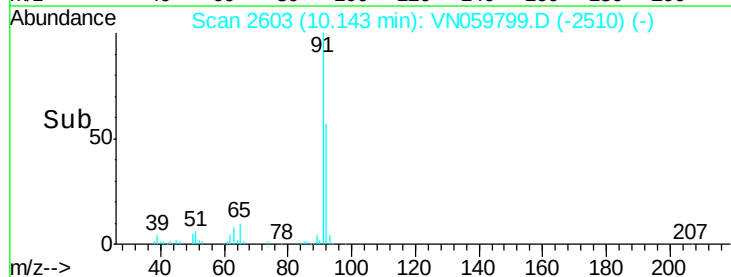
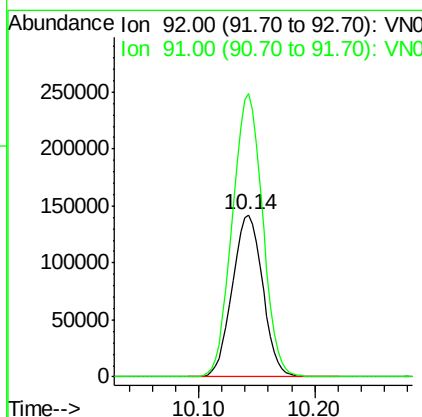
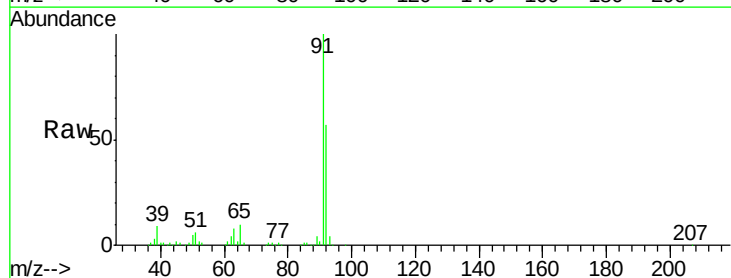
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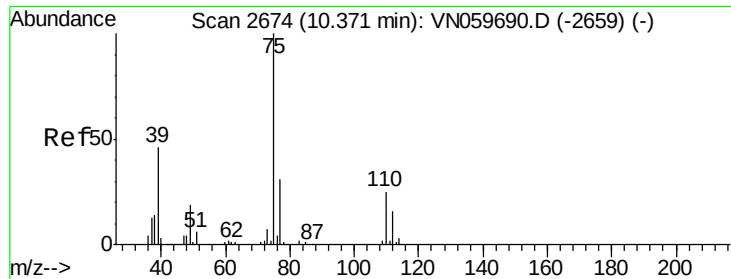
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 1/21/2020 11:01:15 AM



#52
 Toluene
 Concen: 52.057 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	92	Resp	257749
Ion Ratio	100	Lower	Upper
92	100		
91	174.0	140.4	210.6





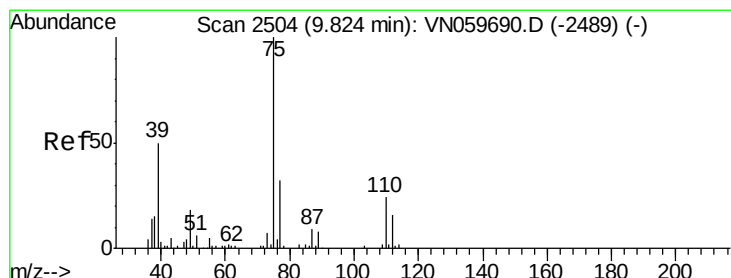
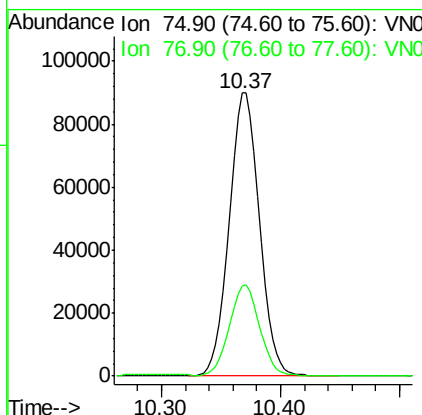
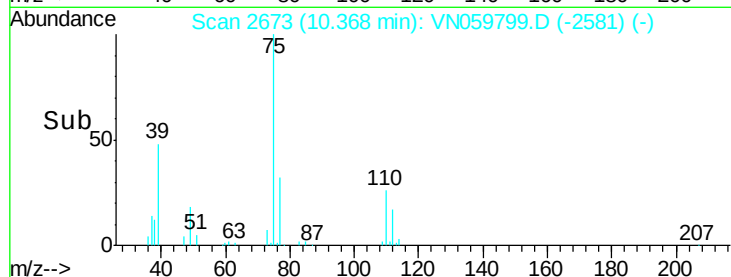
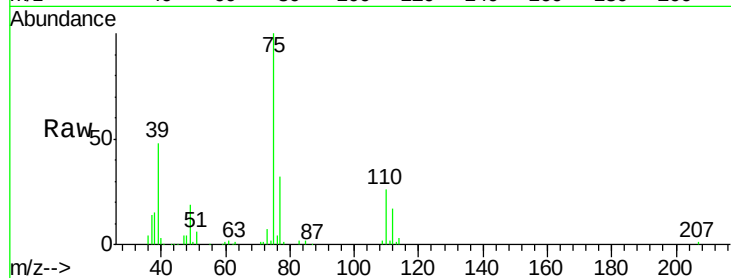
#53
t-1,3-Dichloropropene
Concen: 51.531 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 158652
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

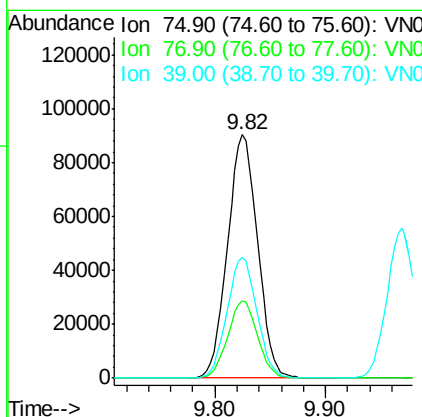
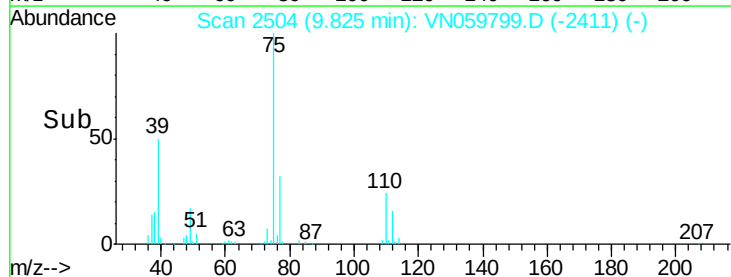
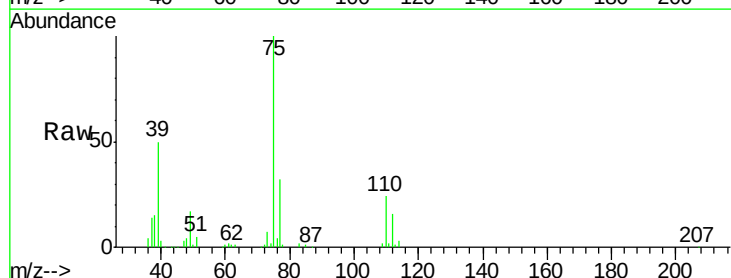
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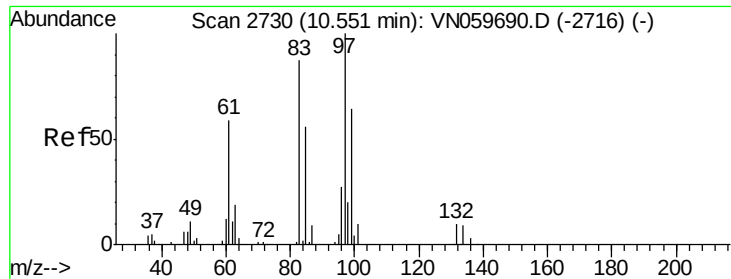
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.701 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion: 75 Resp: 170719
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 49.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 51.549 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 101088

Ion Ratio Lower Upper

97 100

83 87.4 71.3 106.9

85 56.6 45.8 68.8

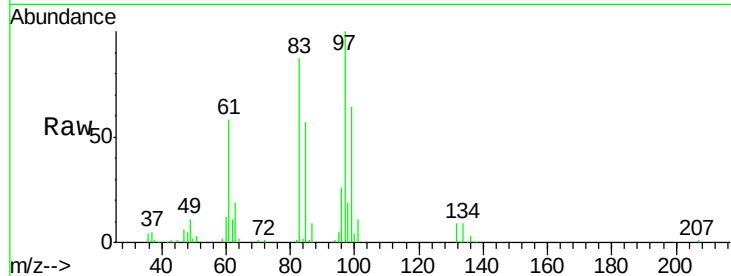
99 63.5 50.0 75.0

Manual Integrations

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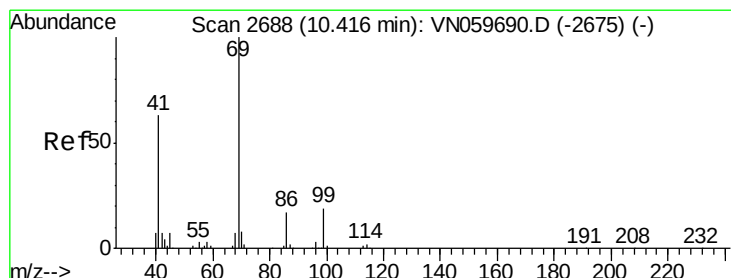
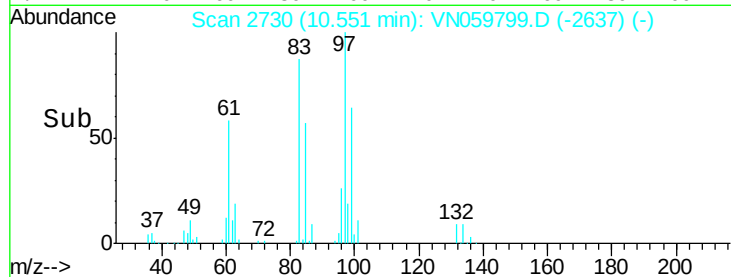
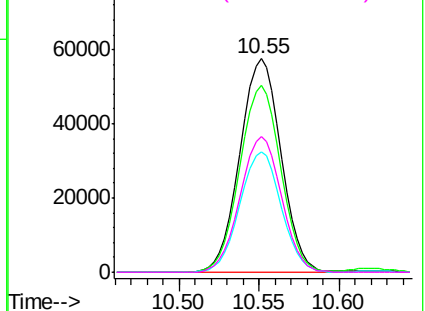


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 50.061 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

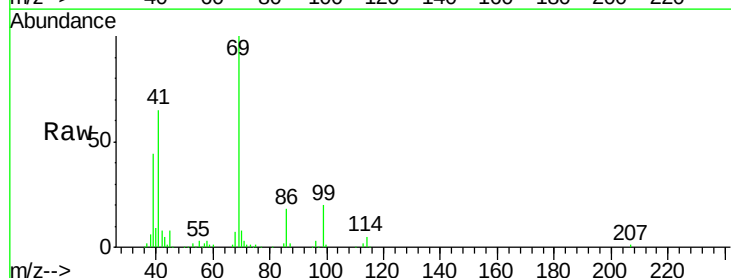
Tgt Ion: 69 Resp: 150003

Ion Ratio Lower Upper

69 100

41 62.9 57.1 85.7

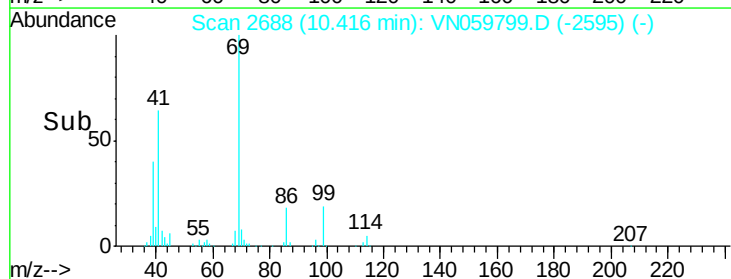
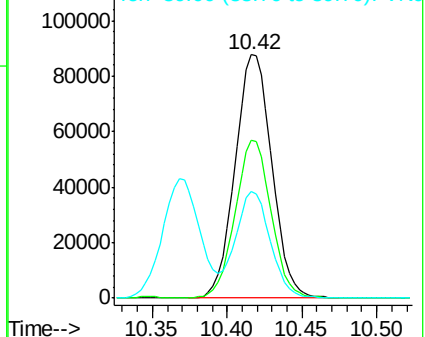
39 42.3 34.7 52.1

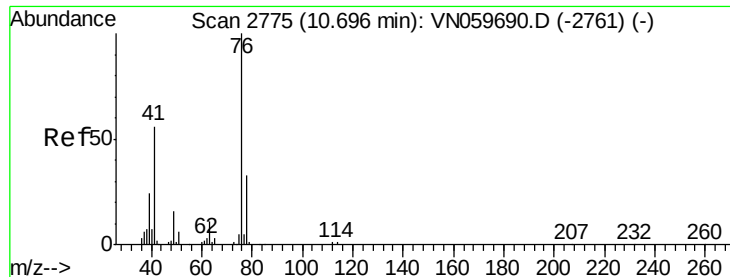


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





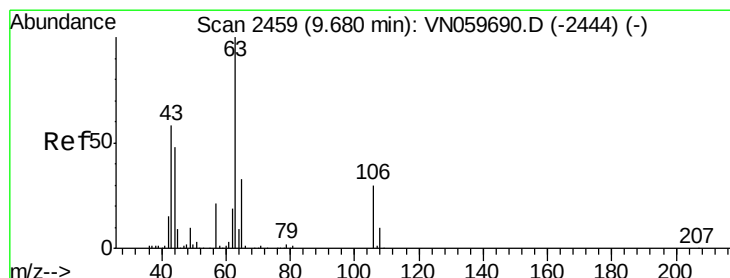
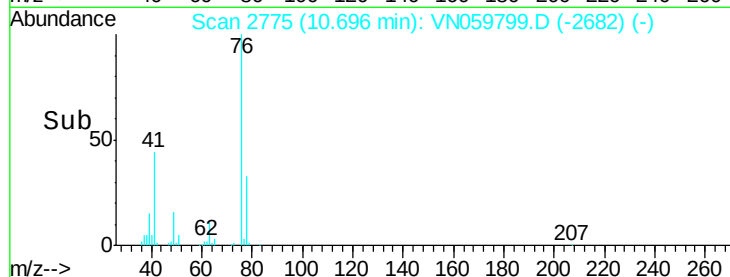
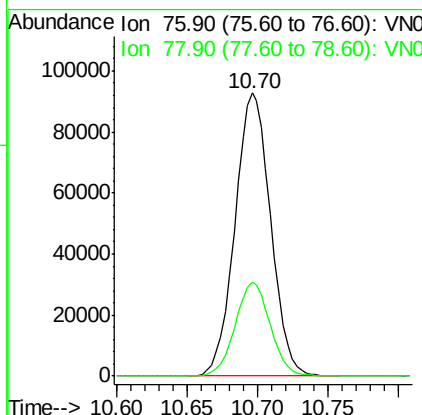
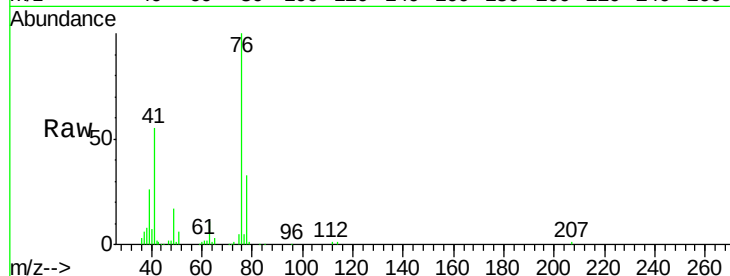
#57
 1,3-Dichloropropane
 Concen: 52.601 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

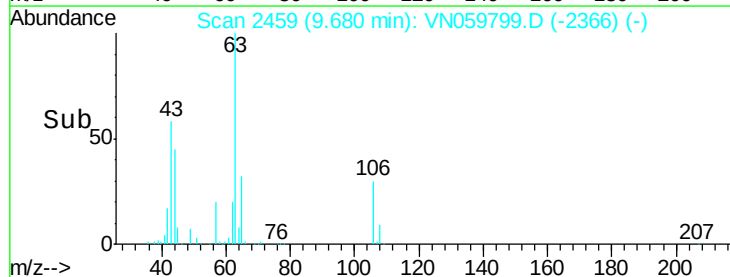
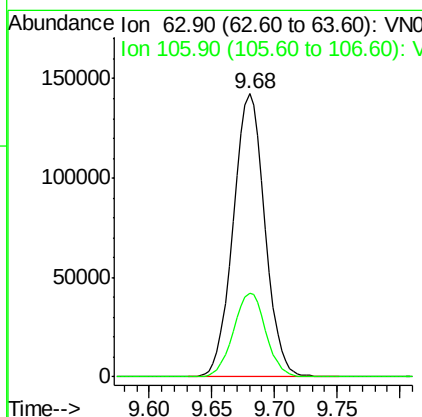
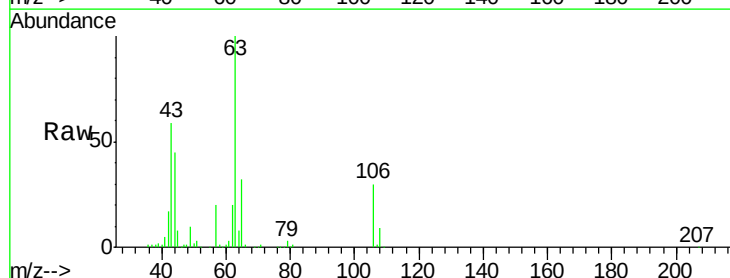
Manual Integrations
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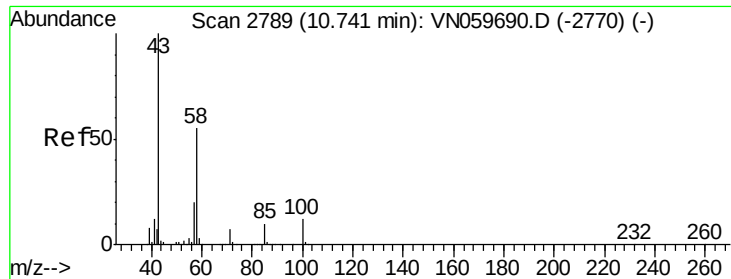
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 1/21/2020 11:01:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.865 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	20.2	30.2#





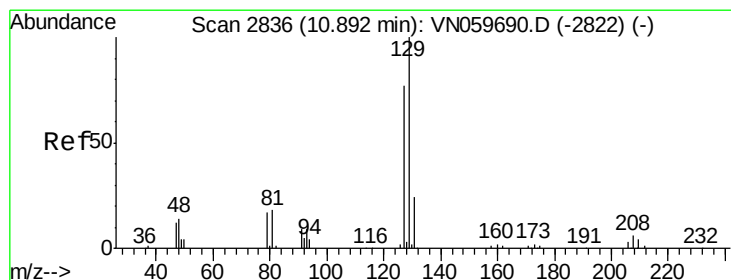
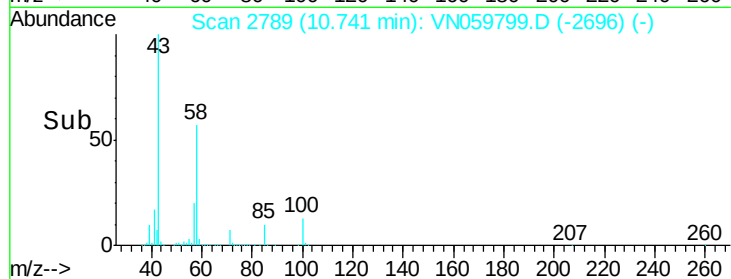
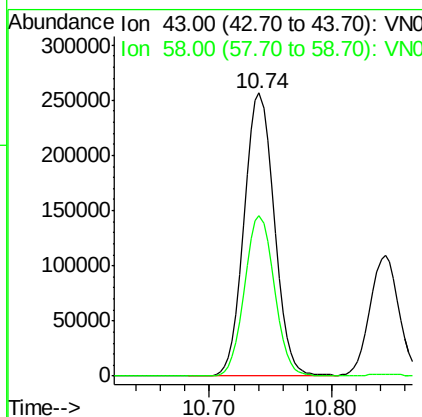
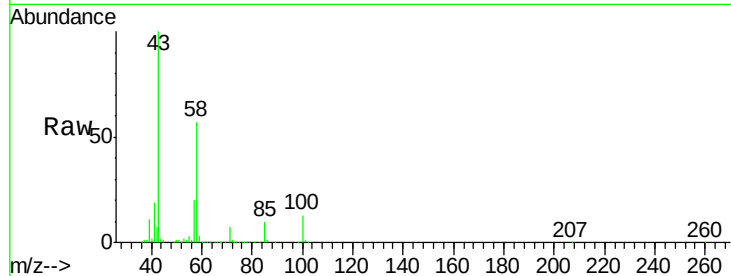
#59
2-Hexanone
Concen: 240.528 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 434334
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3

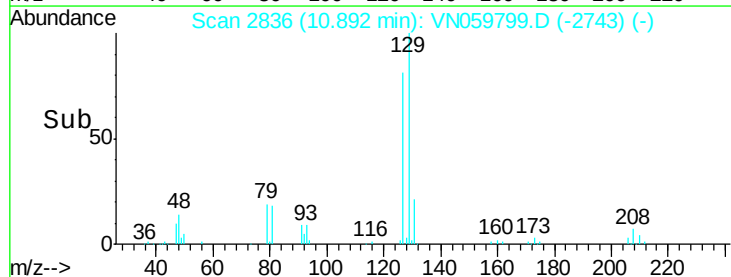
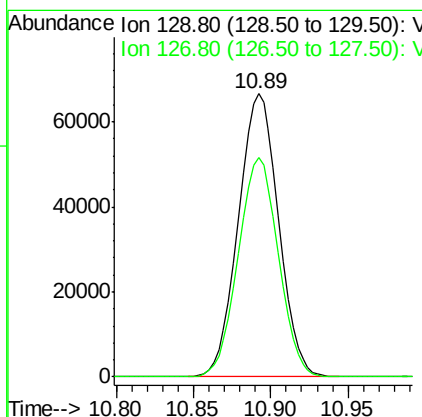
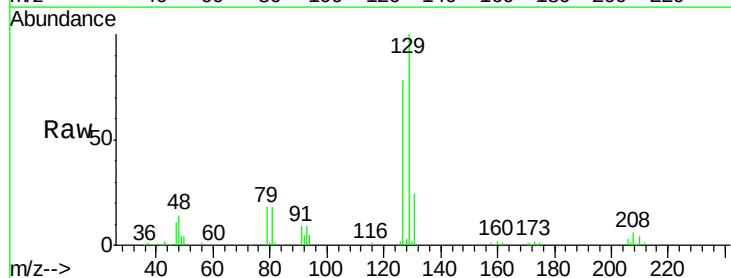
Manual Integrations
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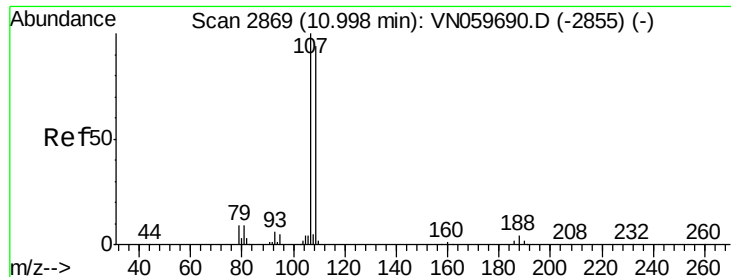
MMDadoda
1/21/2020 11:01:15 AM



#60
Dibromochloromethane
Concen: 53.947 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion: 129 Resp: 120469
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





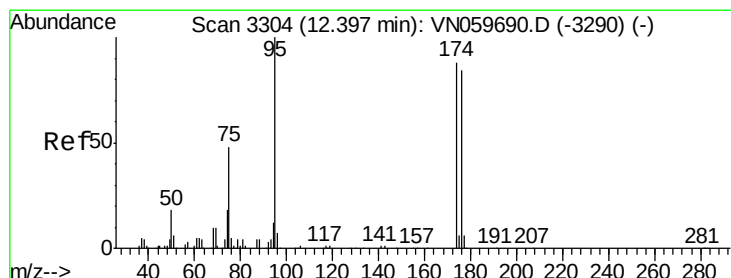
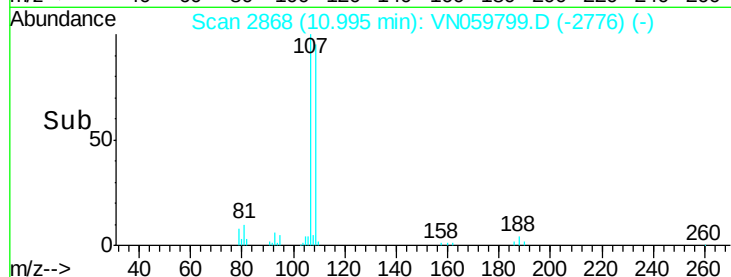
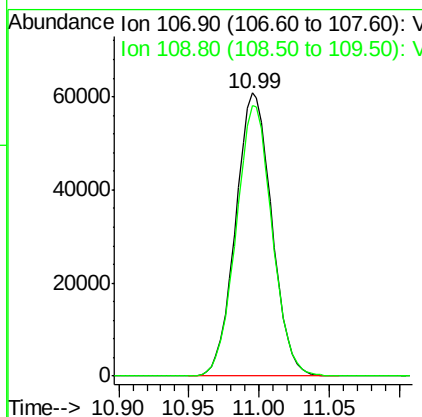
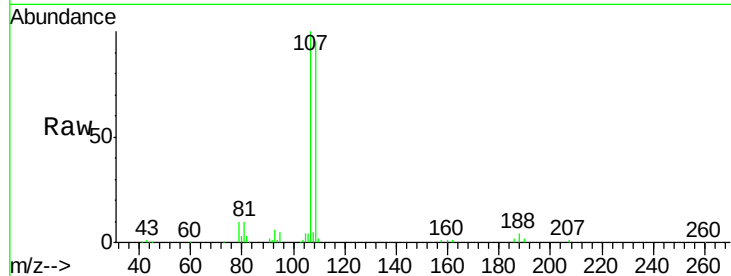
#61
 1,2-Dibromoethane
 Concen: 53.088 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109115		
109	95.3	76.6	115.0	

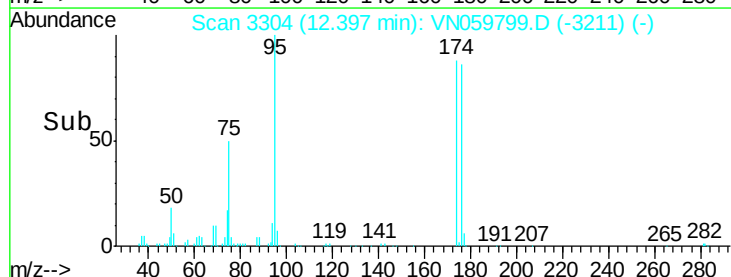
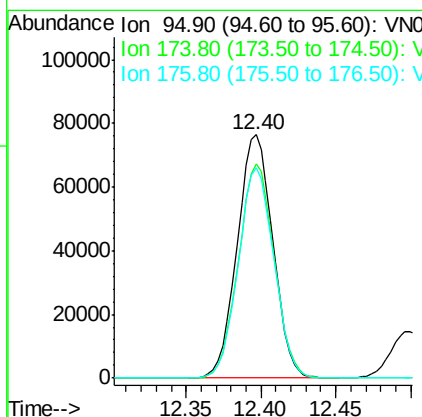
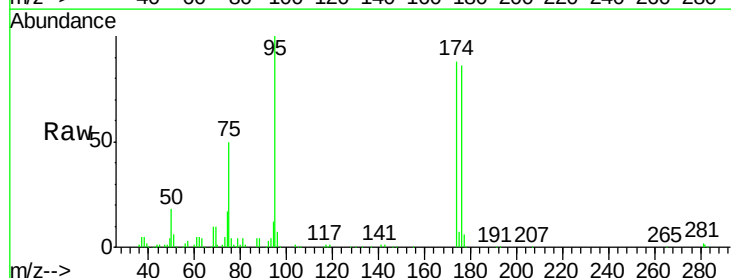
Manual Integrations
 APPROVED

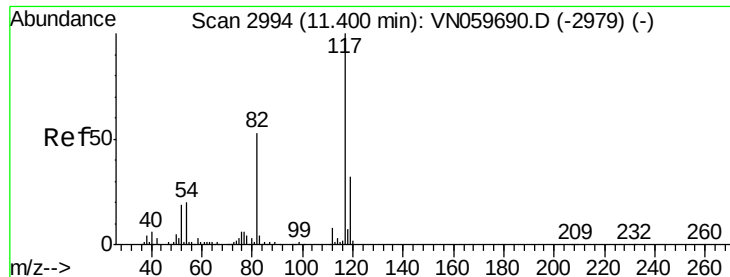
MMDadoda
 1/21/2020 11:01:15 AM



#62
 4-Bromofluorobenzene
 Concen: 50.406 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	126720		
174	88.3	0.0	151.4	
176	86.5	0.0	146.0	





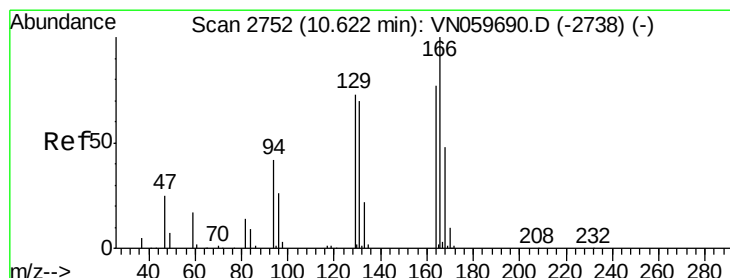
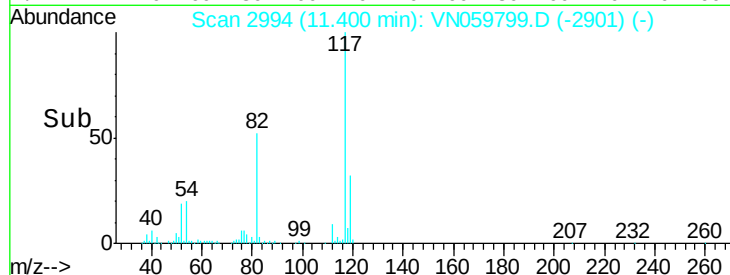
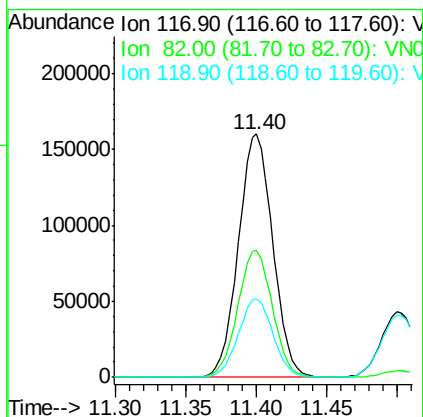
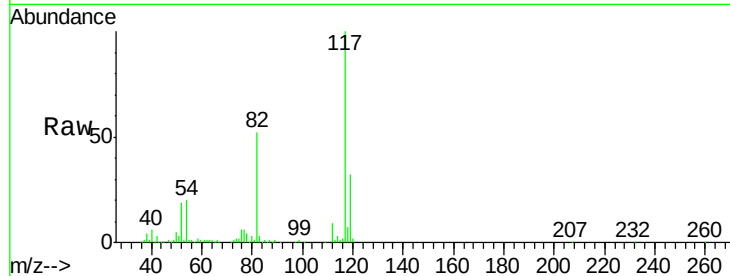
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	45.9	68.9
119	32.4	25.5	38.3

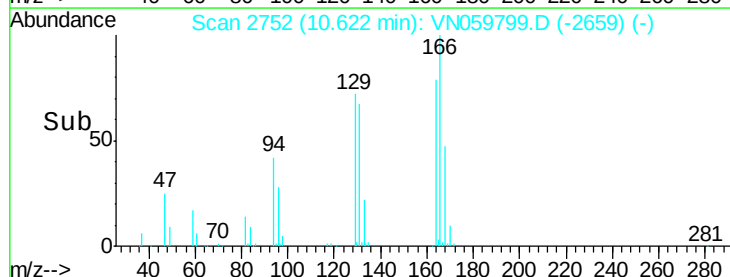
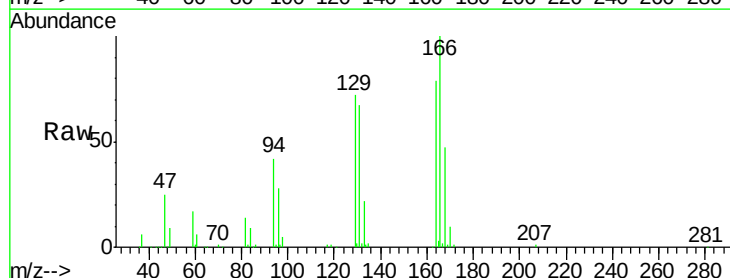
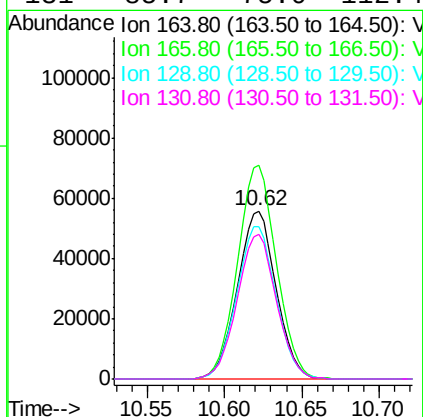
Manual Integrations
APPROVED

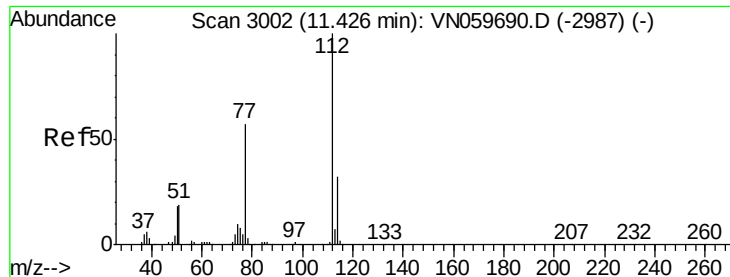
MMDadoda
1/21/2020 11:01:15 AM



#64
Tetrachloroethene
Concen: 43.349 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.4	152.0
129	91.0	80.2	120.4
131	85.7	75.0	112.4





#65

Chlorobenzene

Concen: 52.320 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 281611

Ion Ratio Lower Upper

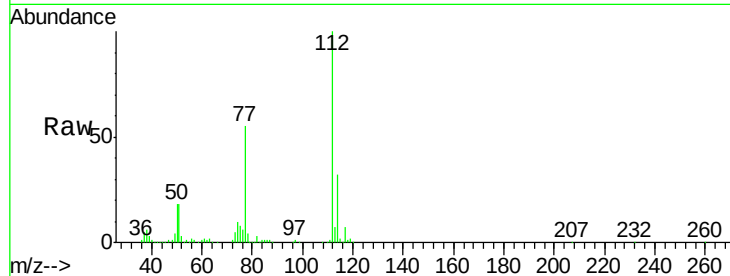
112 100

114 31.7 25.8 38.8

Manual Integrations
APPROVED

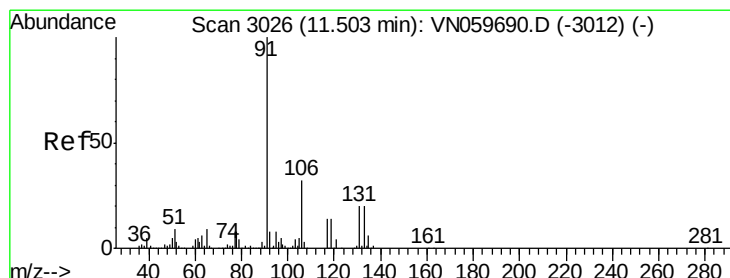
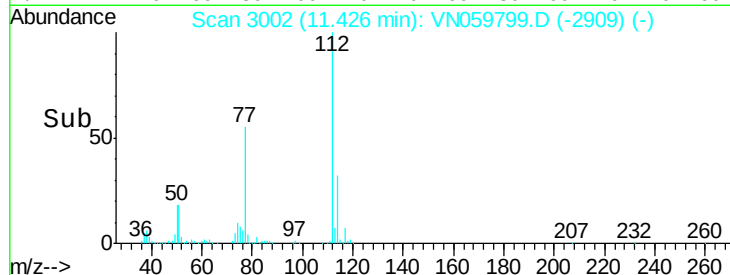
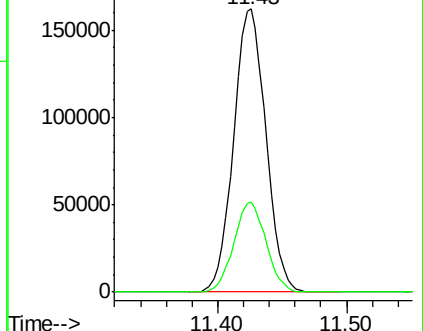
MMDadoda

1/21/2020 11:01:15 AM



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: 53.194 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

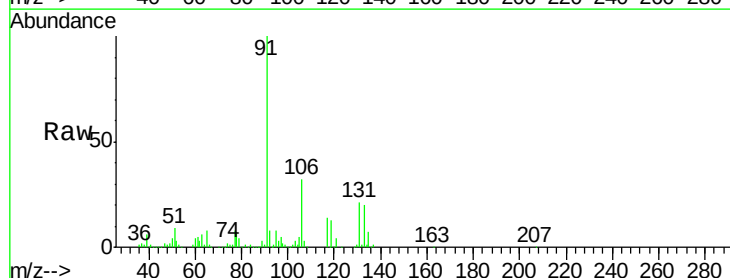
Tgt Ion:131 Resp: 110630

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

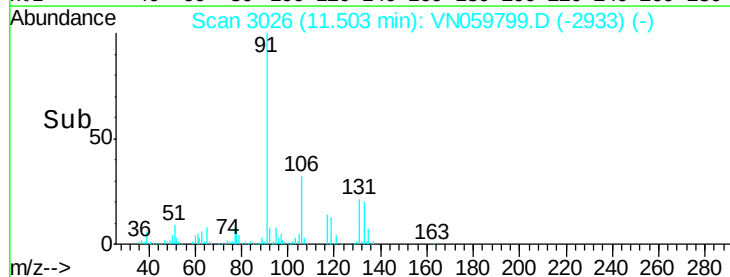
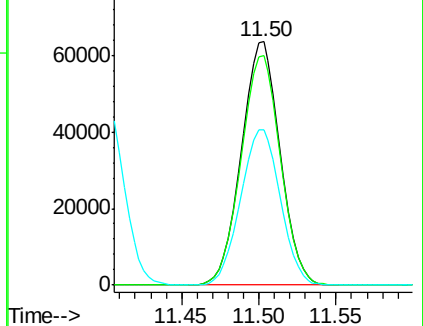
119 65.7 33.1 99.3

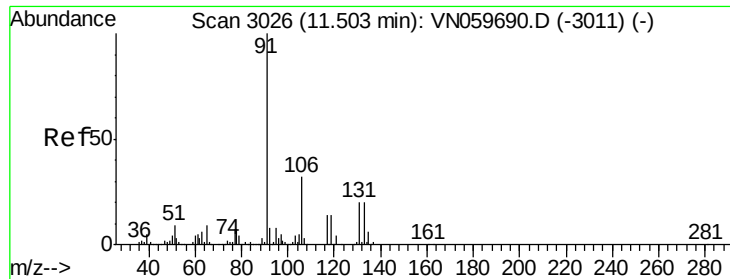


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





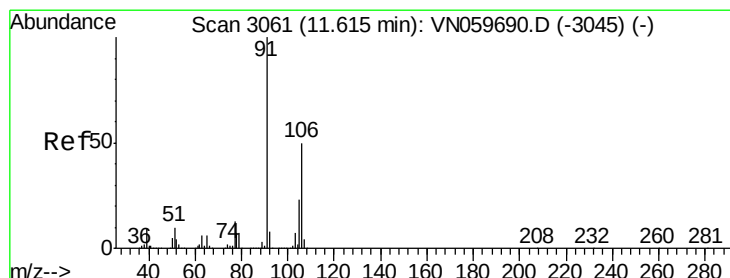
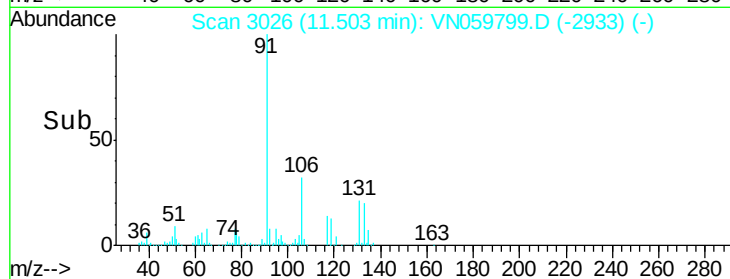
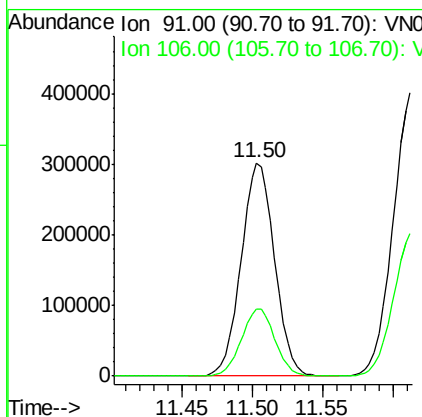
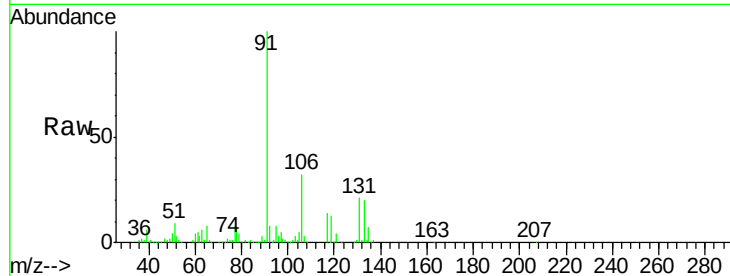
#67
Ethyl Benzene
Concen: 51.242 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 500679
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

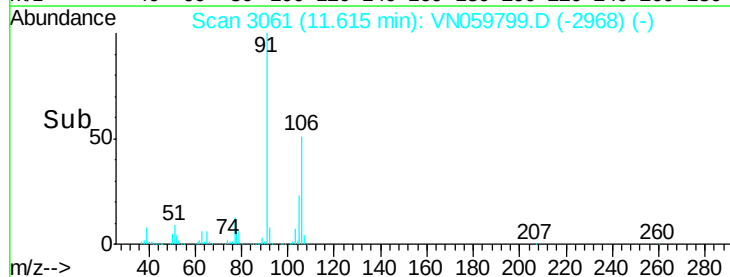
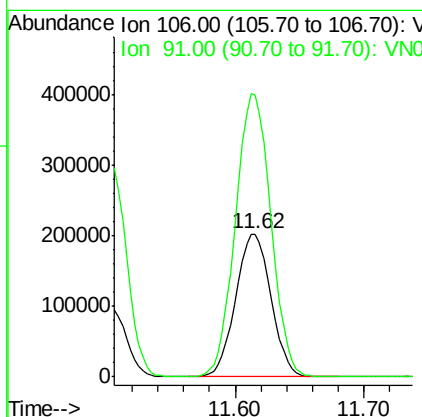
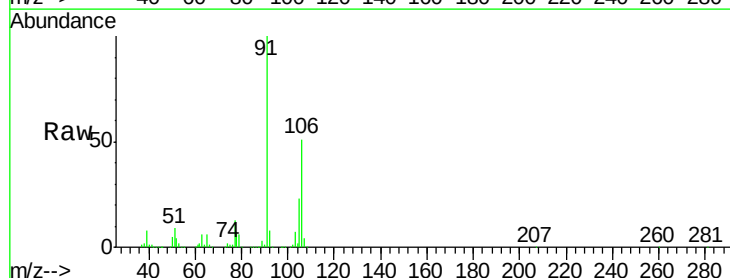
Manual Integrations
APPROVED

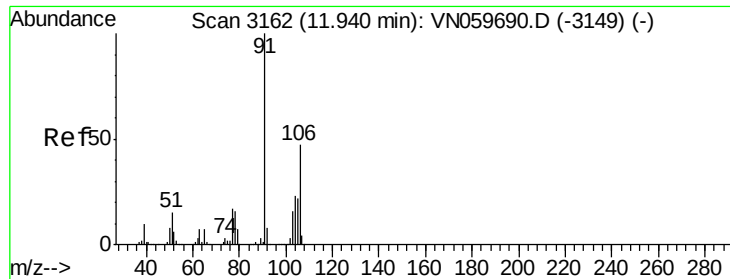
MMDadoda
1/21/2020 11:01:15 AM



#68
m/p-Xylenes
Concen: 104.140 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion: 106 Resp: 384364
Ion Ratio Lower Upper
106 100
91 199.0 167.9 251.9





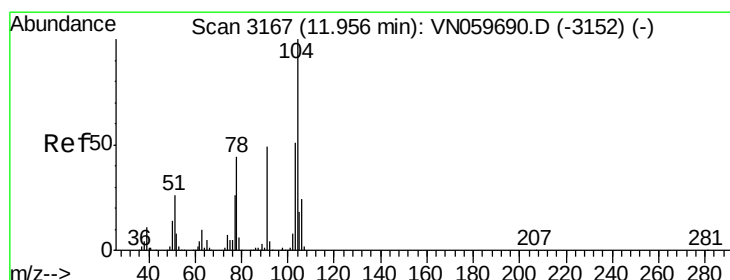
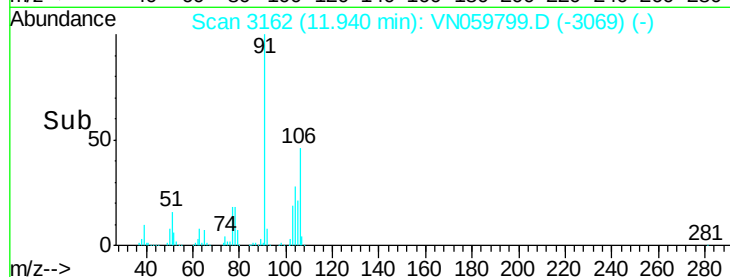
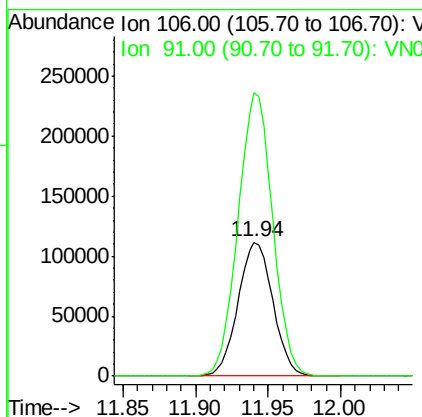
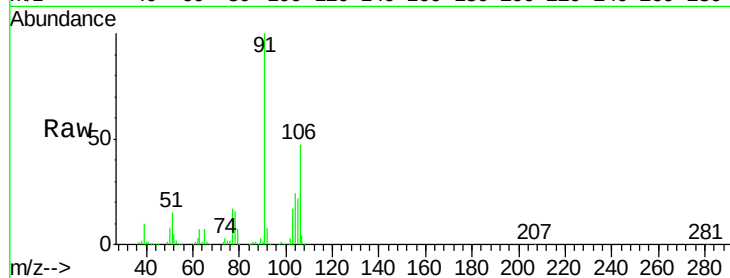
#69
o-Xylene
Concen: 51.584 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		186391		
91	209.9	110.3	330.9		

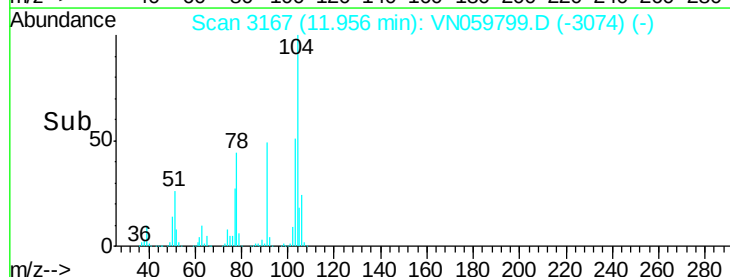
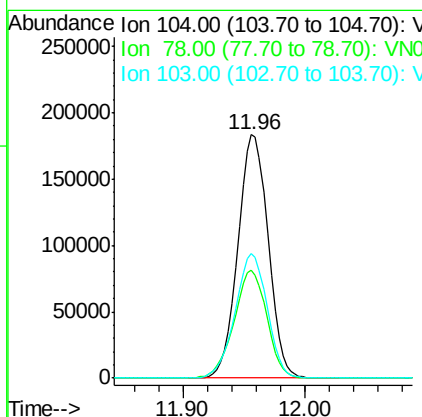
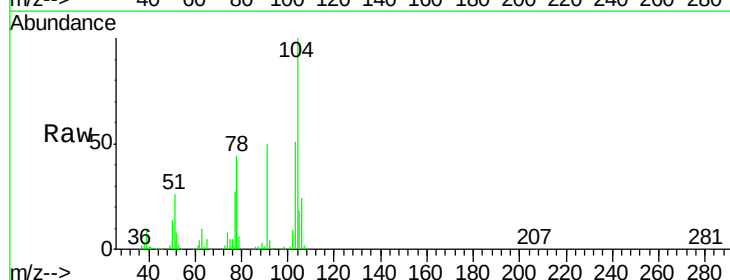
Manual Integrations
APPROVED

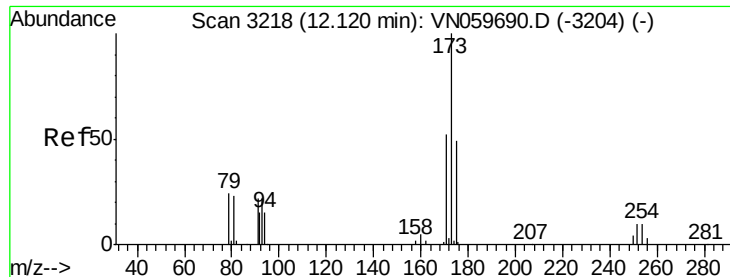
MMDadoda
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#70
Styrene
Concen: 52.052 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		314727		
78	48.1	42.4	63.6		
103	54.4	43.9	65.9		





#71

Bromoform

Concen: 54.715 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91151

Ion Ratio Lower Upper

173 100

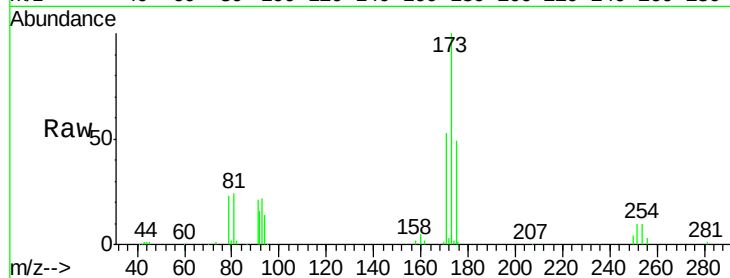
175 48.9 23.8 71.4

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

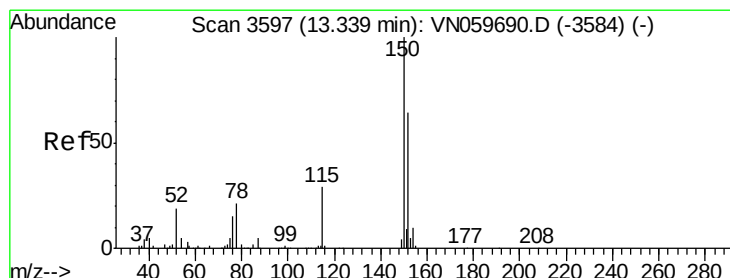
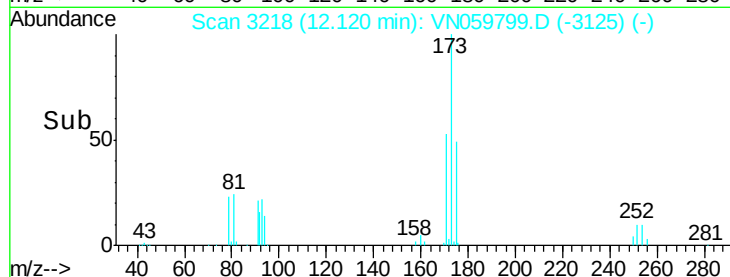
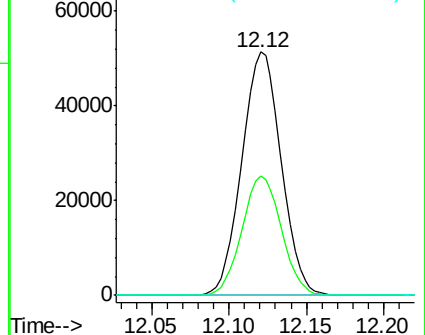
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN059799.D

Acq: 20 Jan 2020 20:01

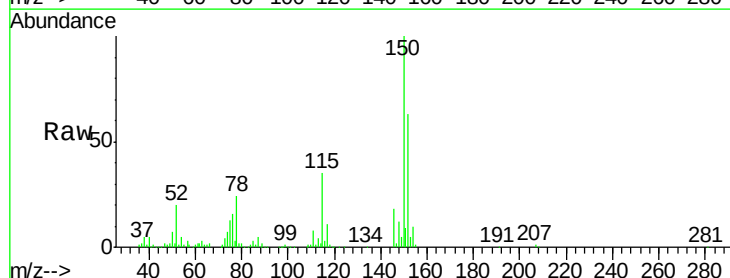
Tgt Ion:152 Resp: 134268

Ion Ratio Lower Upper

152 100

115 57.0 30.3 90.9

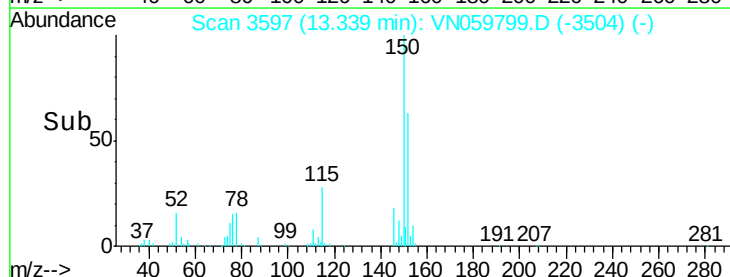
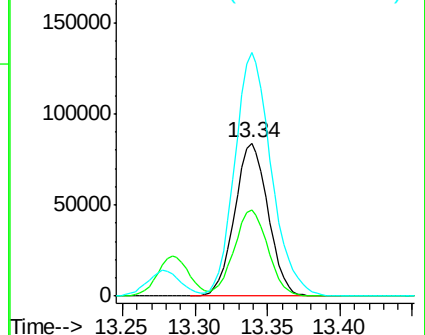
150 174.1 0.0 345.2

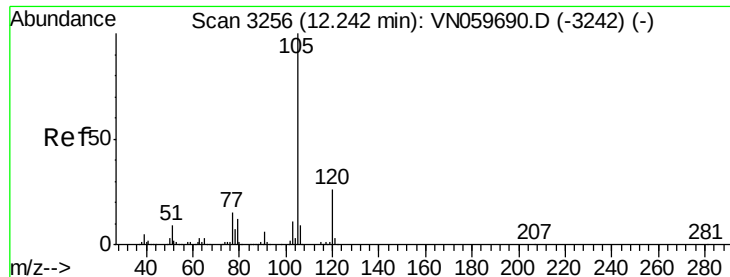


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.592 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 498184

Ion Ratio Lower Upper

105 100

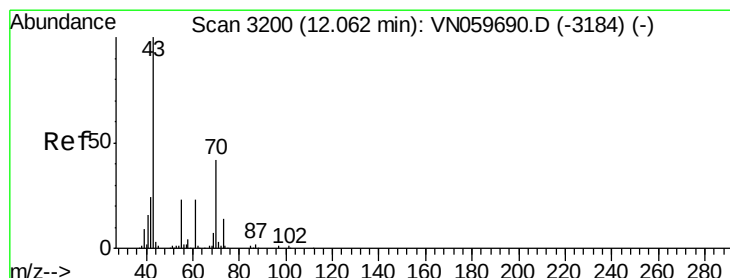
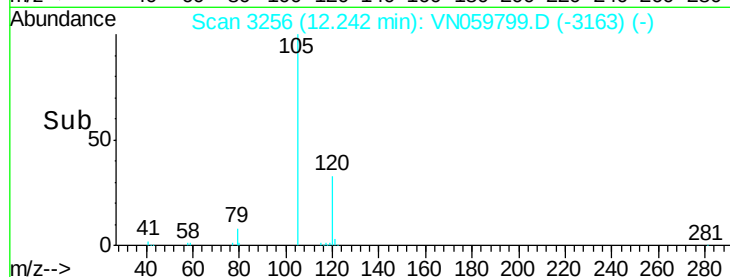
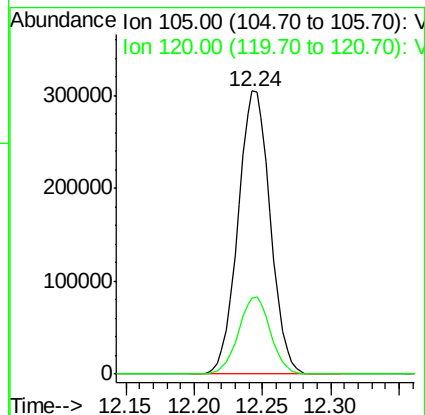
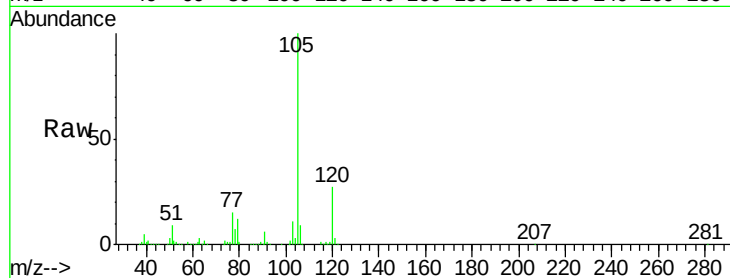
120 27.0 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.836 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion: 43 Resp: 182780

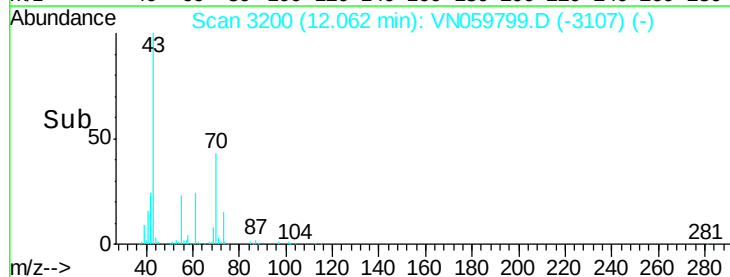
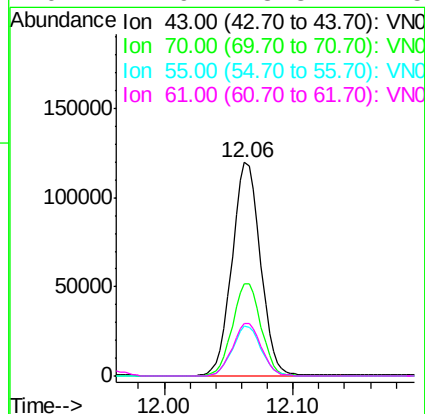
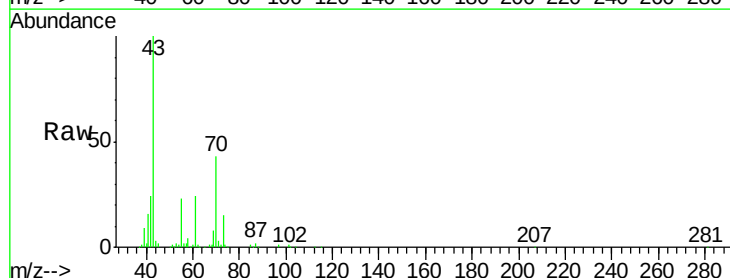
Ion Ratio Lower Upper

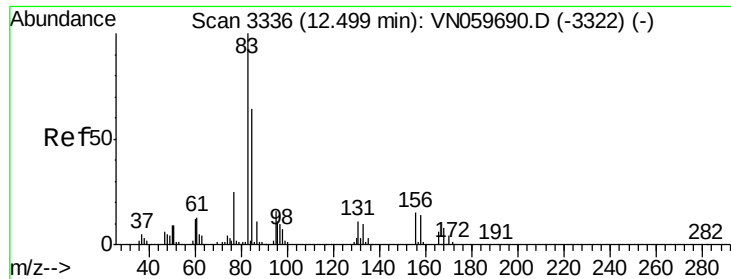
43 100

70 43.6 31.3 46.9

55 23.7 19.8 29.6

61 24.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.555 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

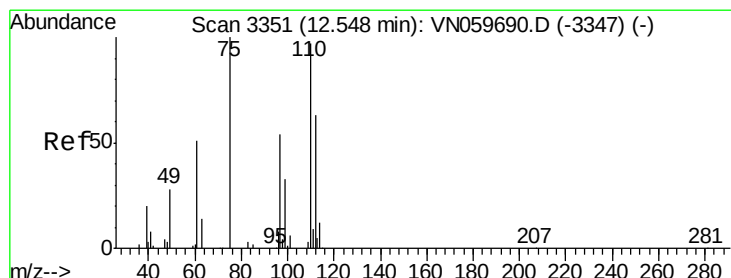
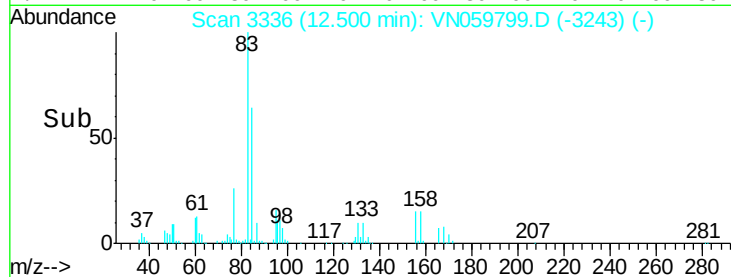
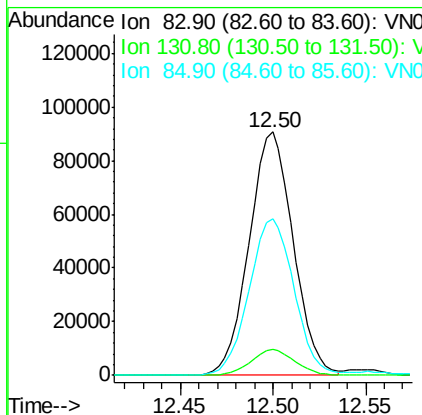
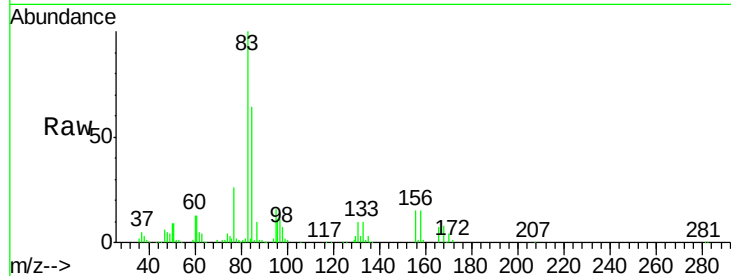
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	150027
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	65.6	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.271 ug/l m

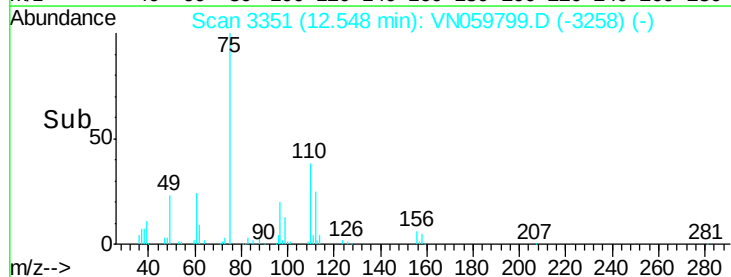
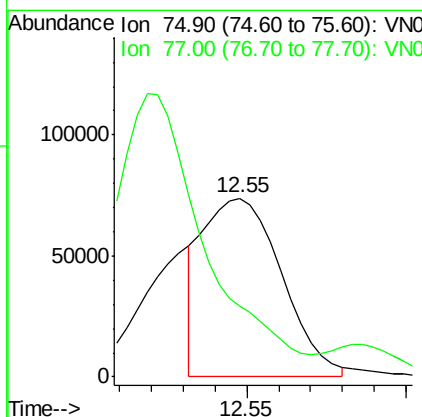
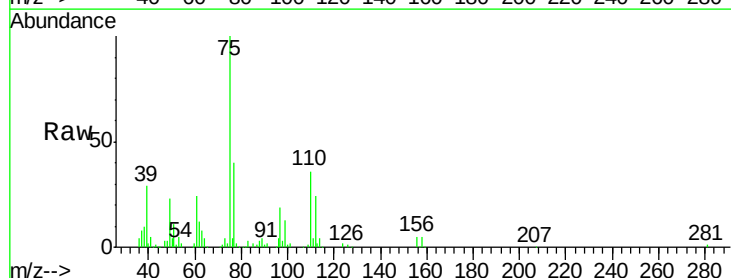
RT: 12.55 min Scan# 3351

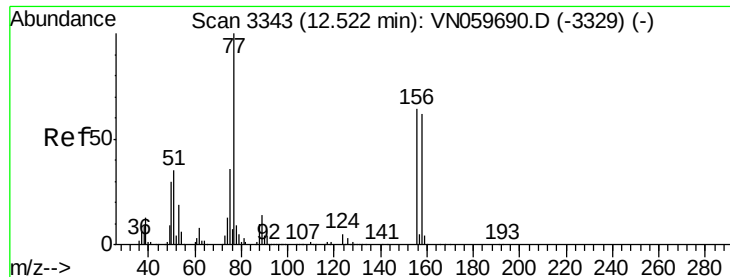
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	75	Resp:	127149
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.146 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

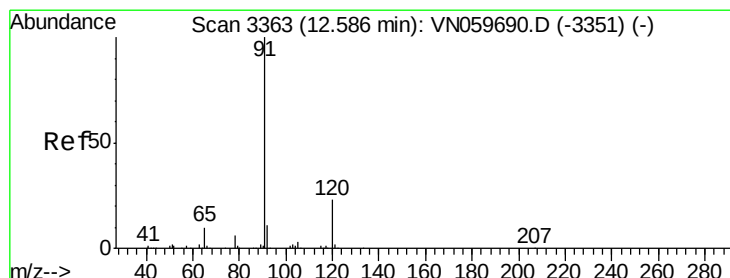
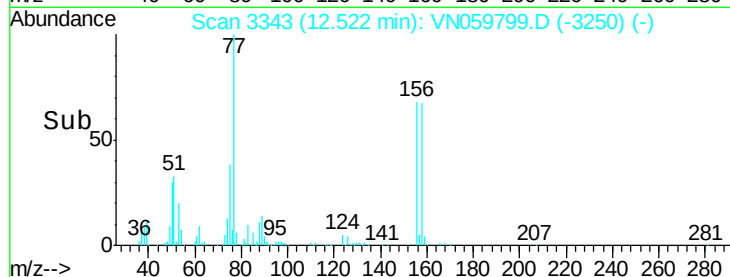
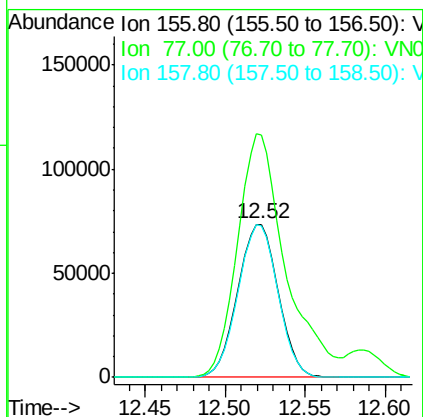
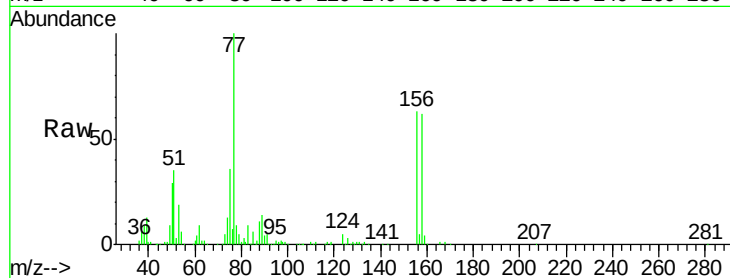
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	127541
Ion Ratio	Lower	Upper	
156	100		
77	188.4	115.8	347.4
158	97.9	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.582 ug/l

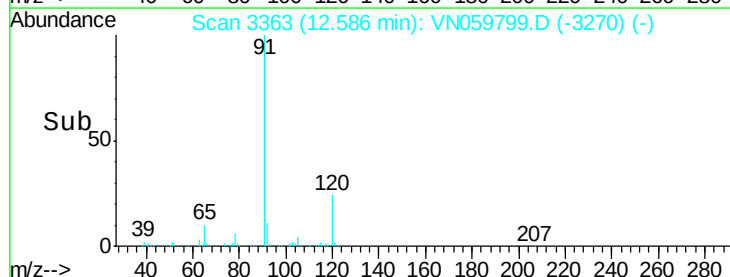
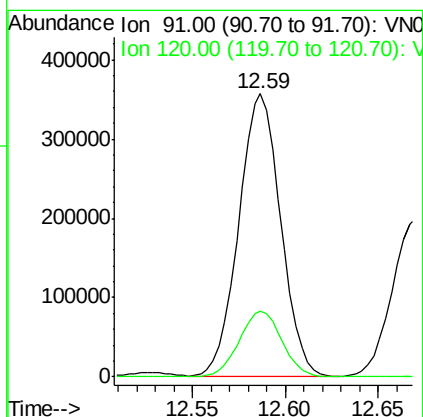
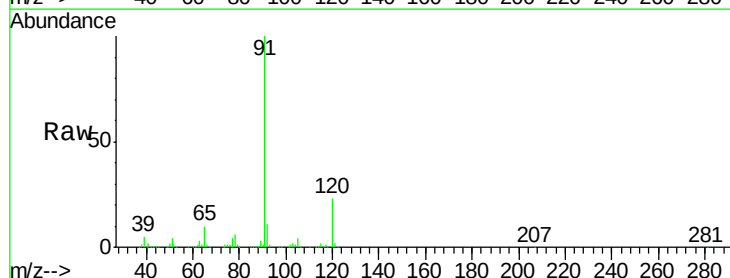
RT: 12.59 min Scan# 3363

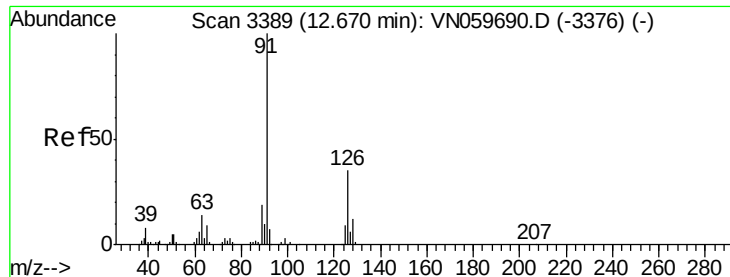
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	91	Resp:	559050
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.666 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 326555

Ion Ratio Lower Upper

91 100

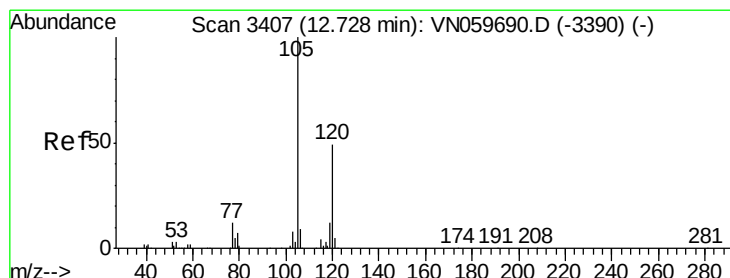
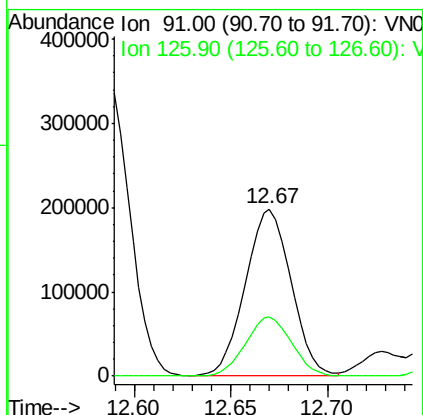
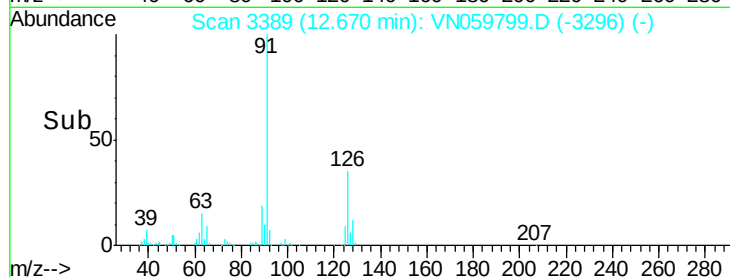
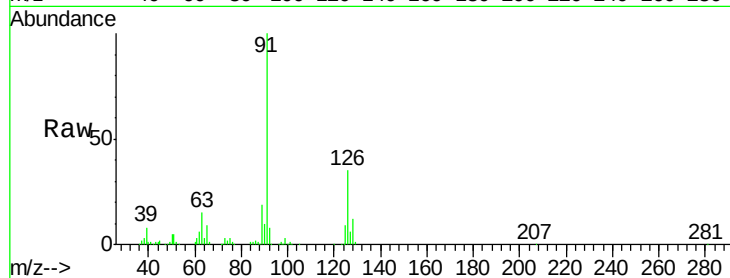
126 35.7 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.612 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059799.D

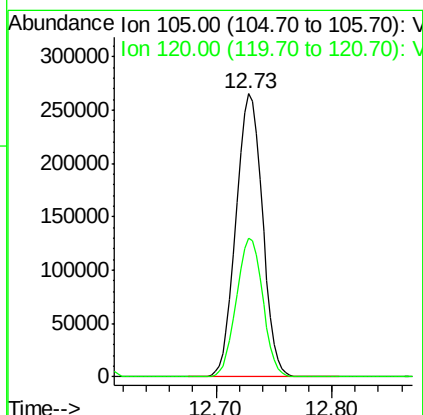
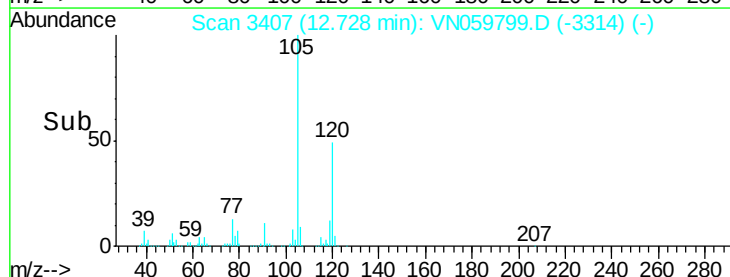
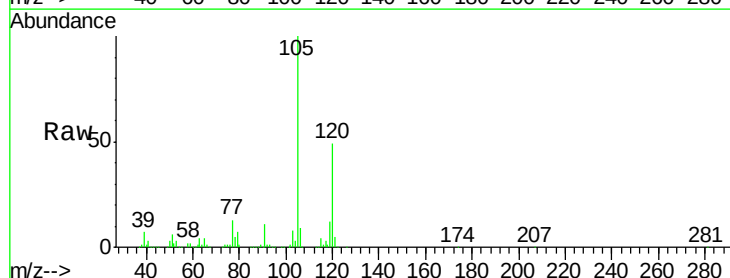
Acq: 20 Jan 2020 20:01

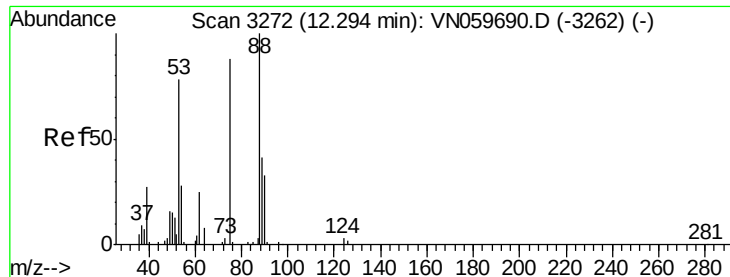
Tgt Ion: 105 Resp: 419136

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





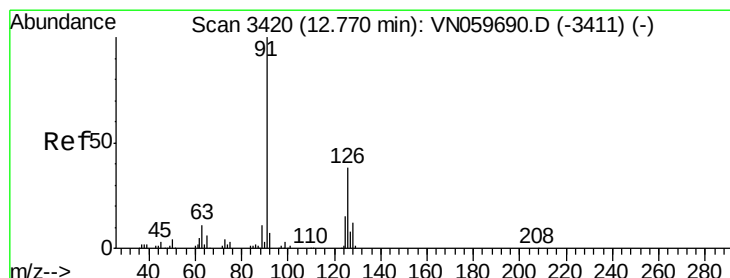
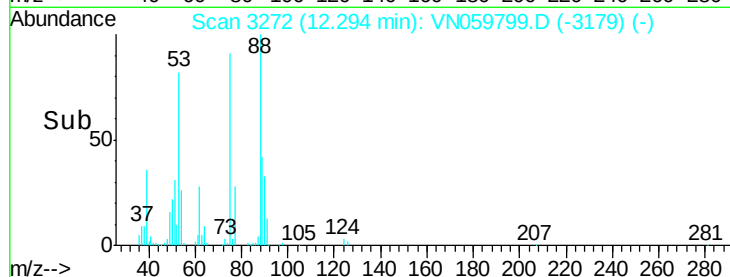
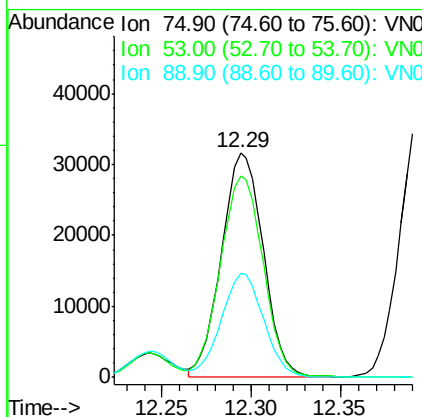
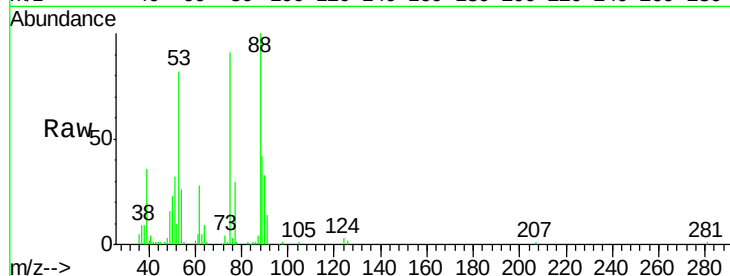
#81
trans-1,4-Dichloro-2-butene
Concen: 49.139 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	78.1	117.1
89	47.0	35.4	53.2

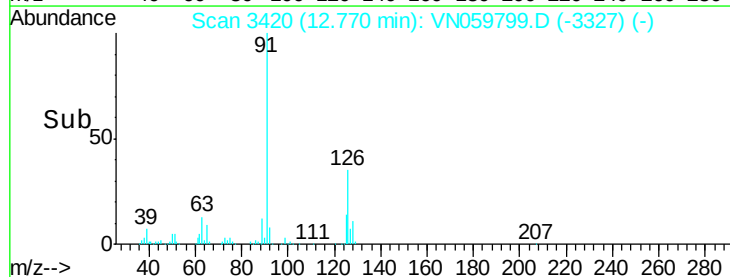
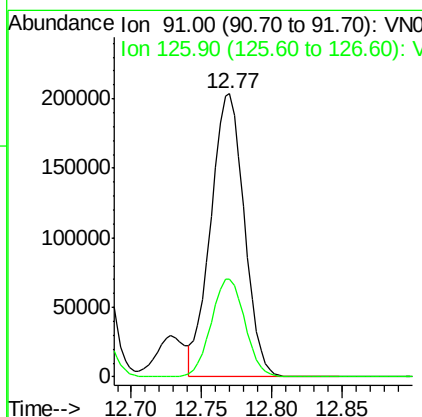
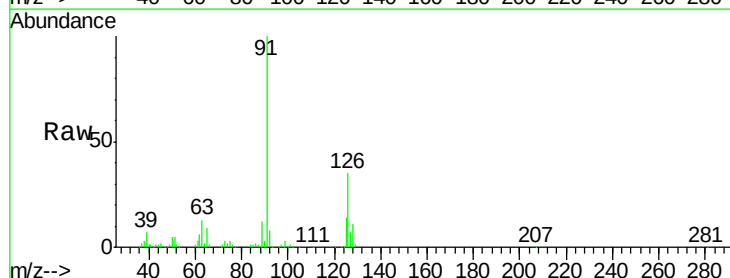
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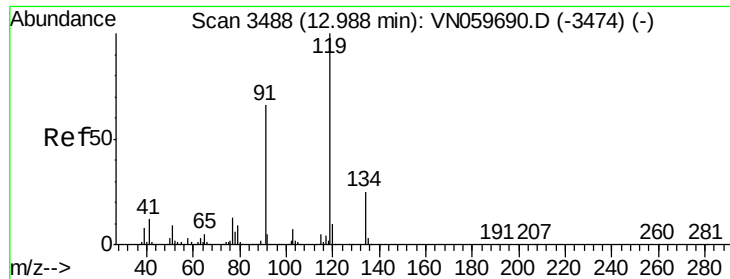
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#82
4-Chlorotoluene
Concen: 50.743 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.3	48.8





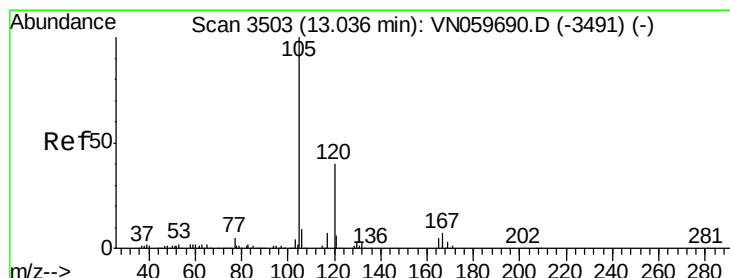
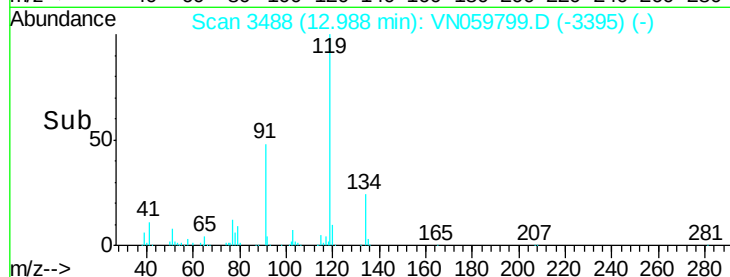
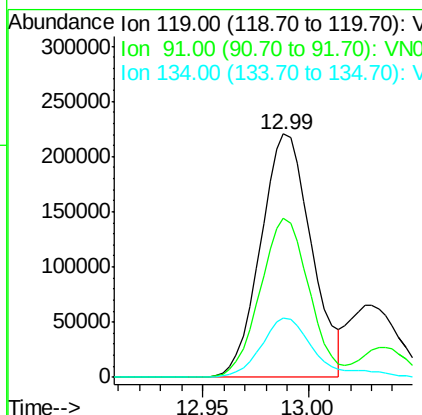
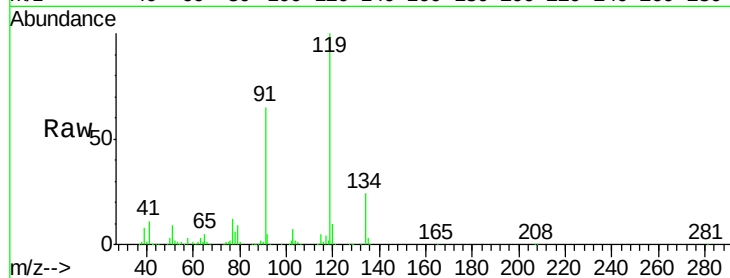
#83
 tert-Butylbenzene
 Concen: 51.487 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	34.8	104.4
134	25.8	12.3	36.9

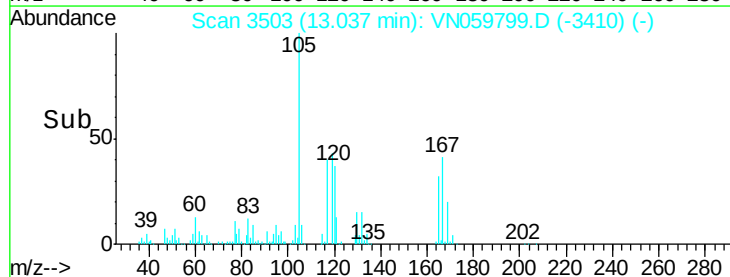
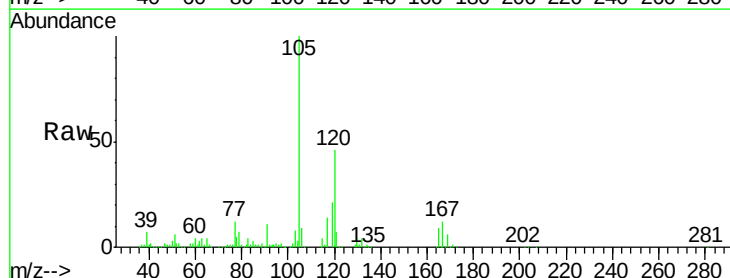
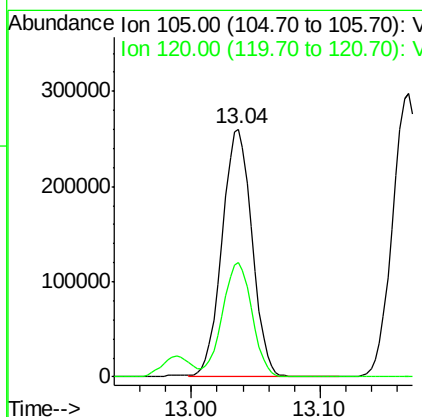
Manual Integrations
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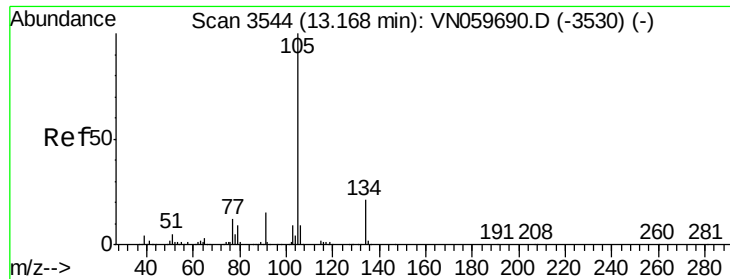
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.148 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 50.702 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 477124

Ion Ratio Lower Upper

105 100

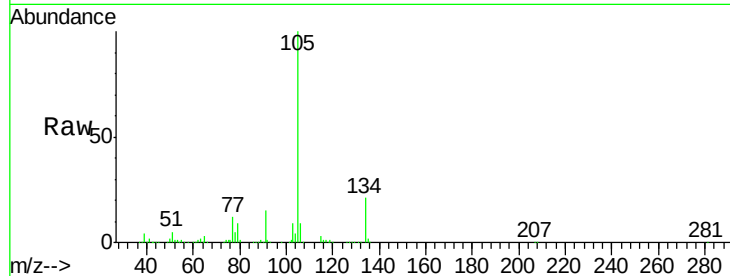
134 20.3 9.8 29.5

Manual Integrations

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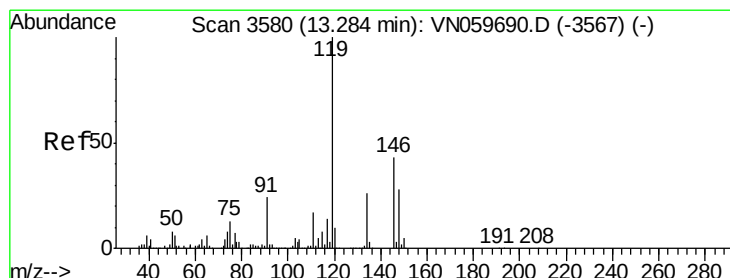
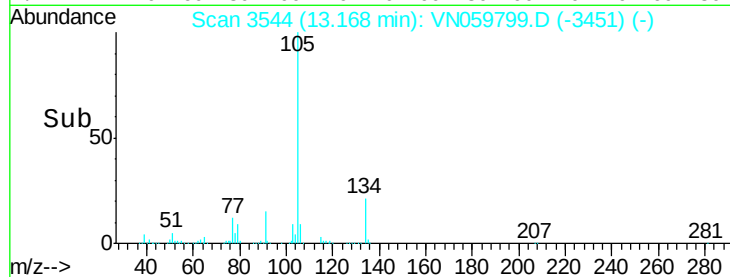
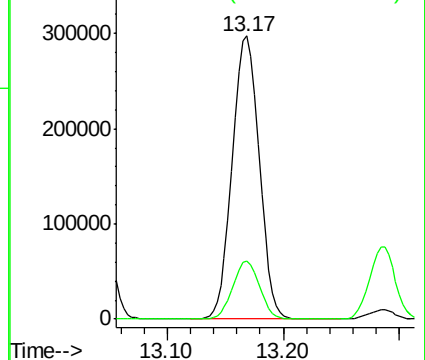
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.832 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

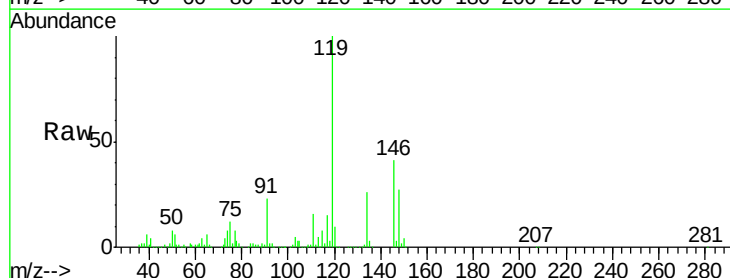
Tgt Ion:119 Resp: 442610

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

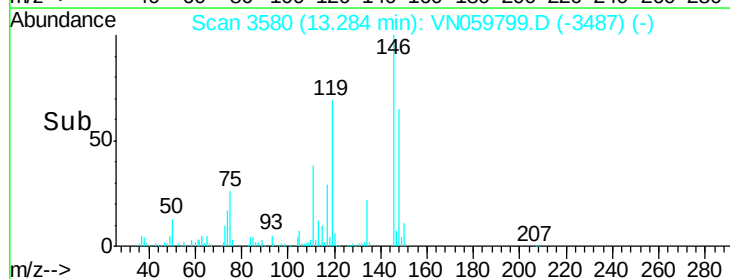
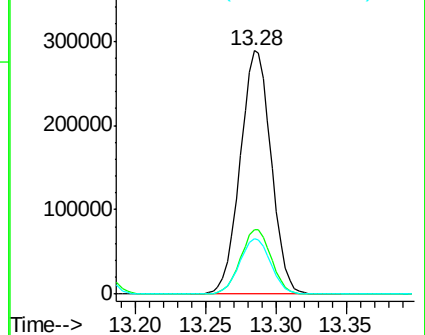
91 23.0 12.4 37.4

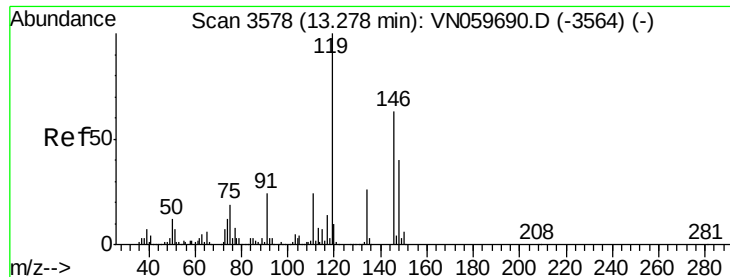


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.092 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059799.D

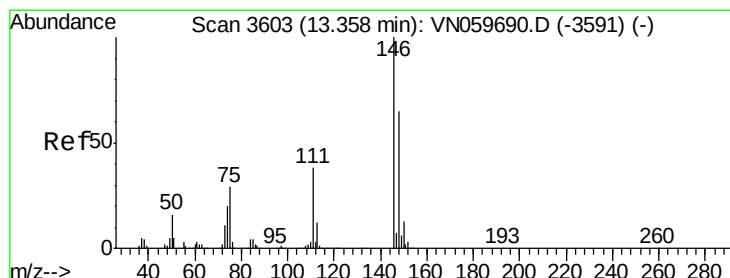
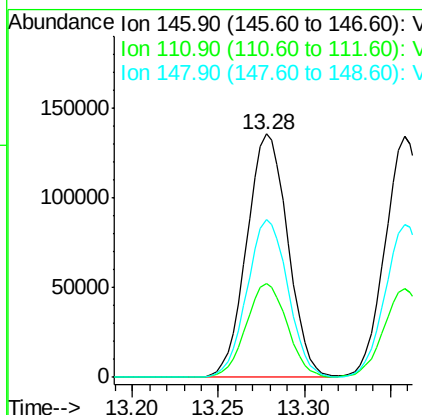
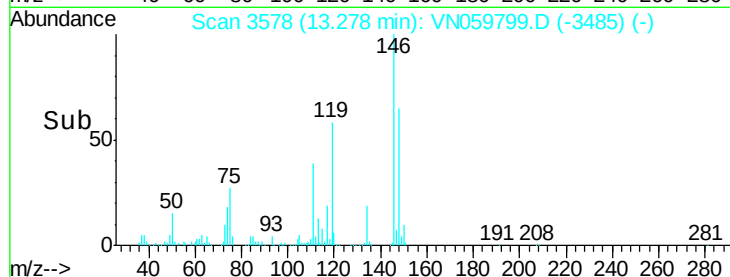
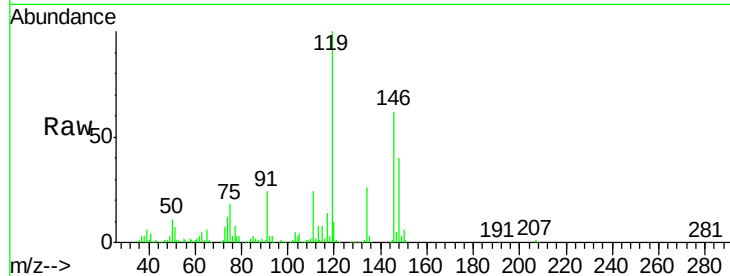
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	64.4	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.650 ug/l

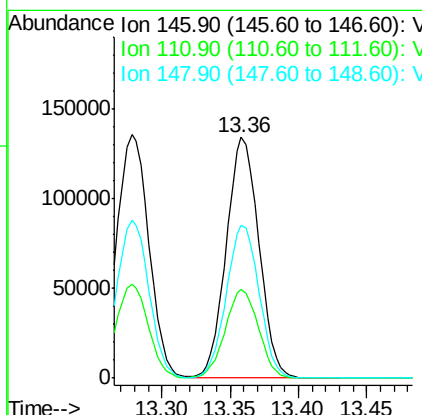
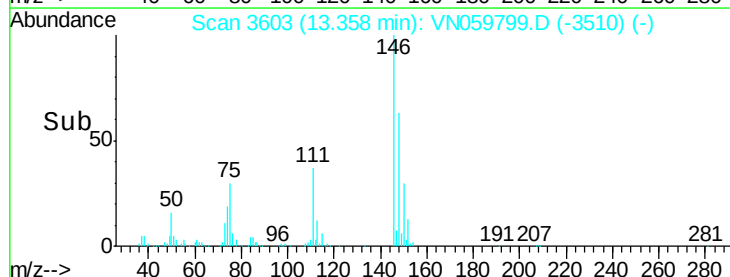
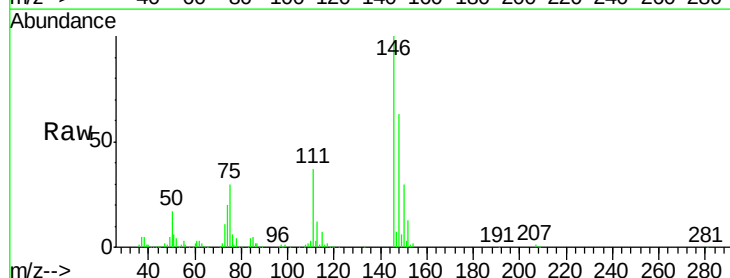
RT: 13.36 min Scan# 3603

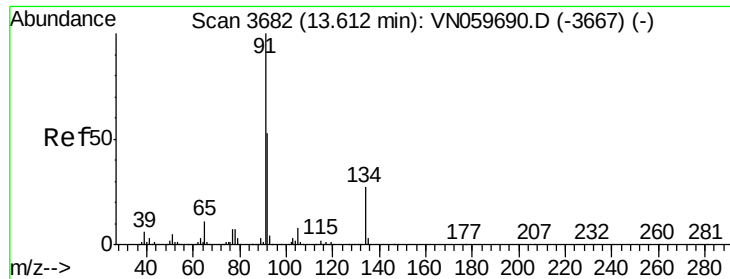
Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.8	62.2
148	64.2	31.8	95.4





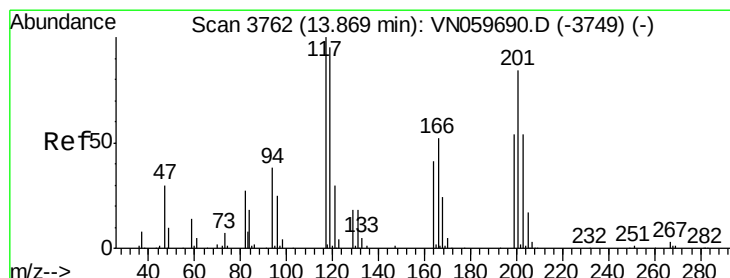
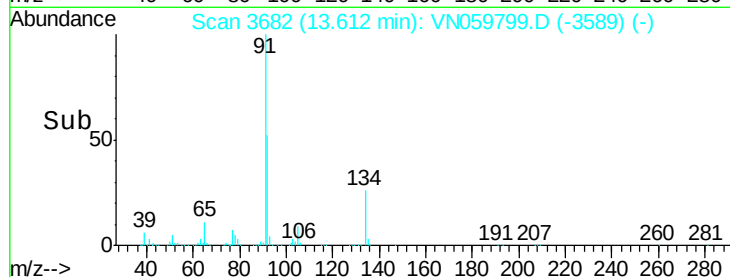
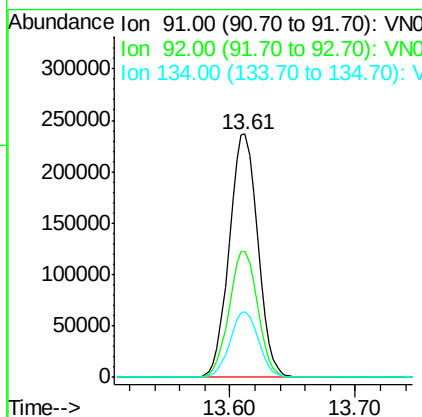
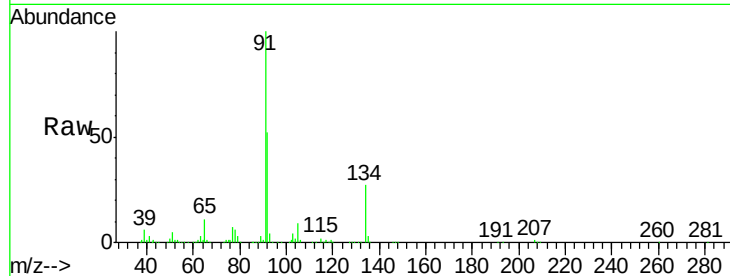
#89
n-Butylbenzene
Concen: 50.339 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	26.9	12.3	36.8

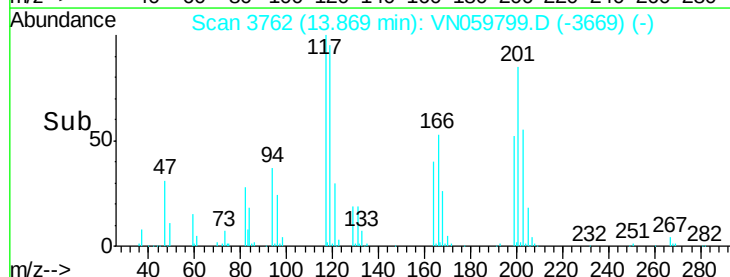
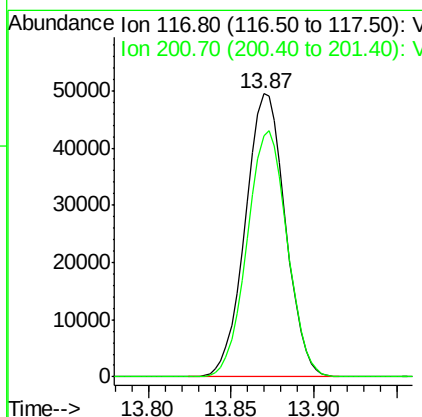
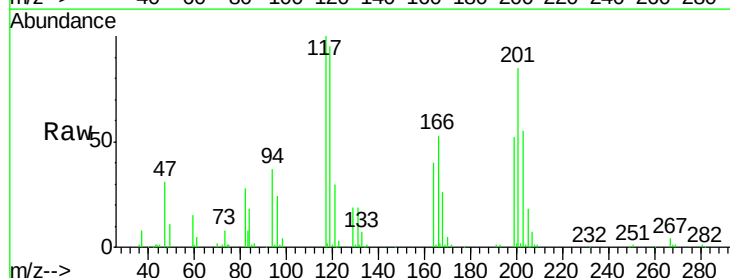
Manual Integrations
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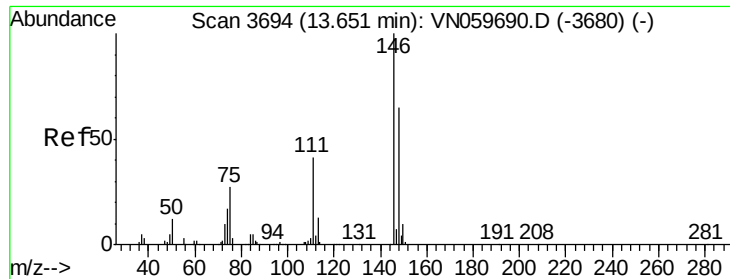
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#90
Hexachloroethane
Concen: 51.072 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059799.D
Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	37.8	113.4





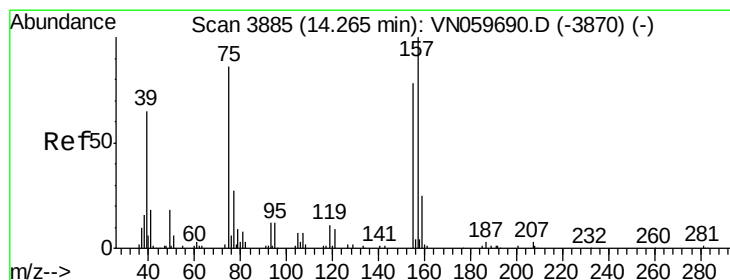
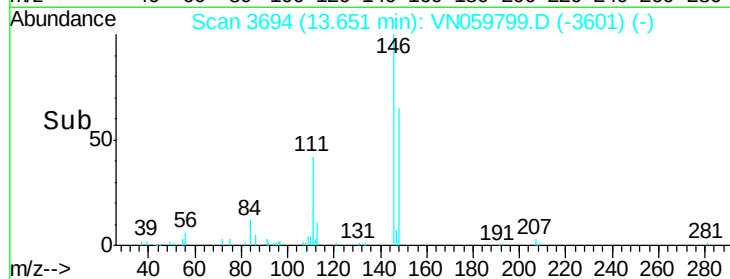
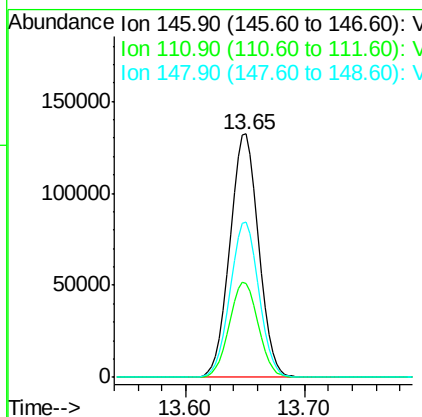
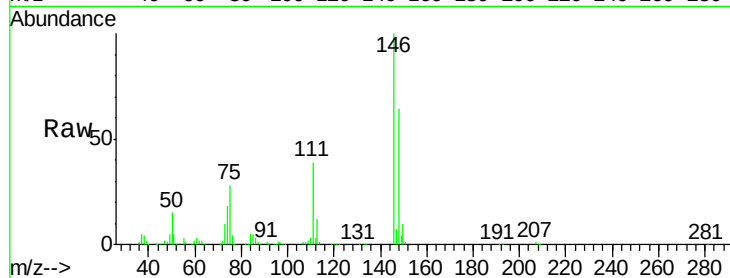
#91
 1,2-Dichlorobenzene
 Concen: 51.690 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.6	64.8
148	64.0	31.6	95.0

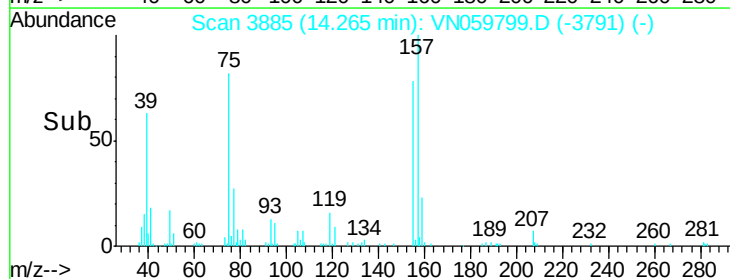
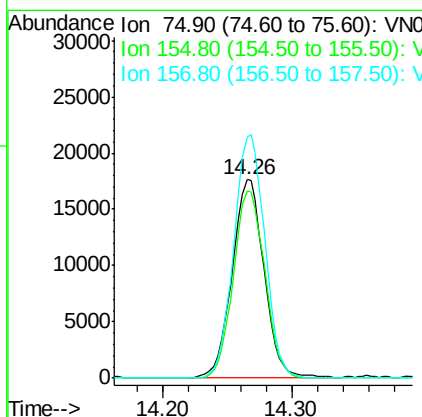
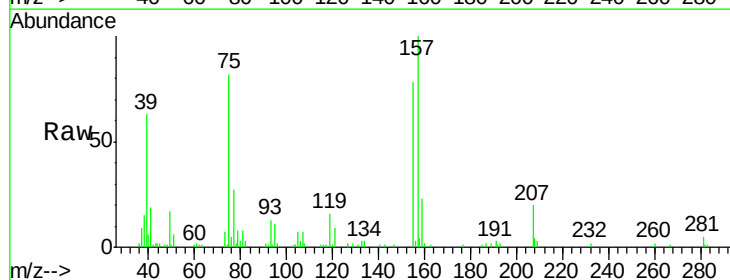
Manual Integrations
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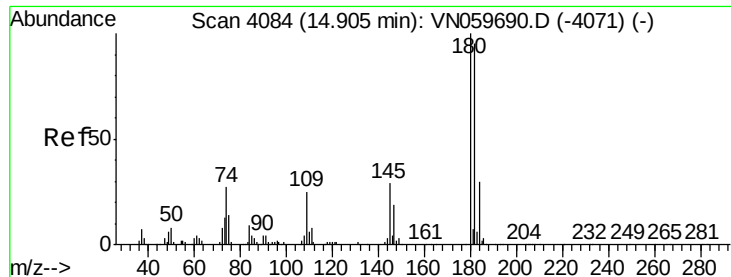
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.688 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	37.0	110.9
157	118.5	48.4	145.2





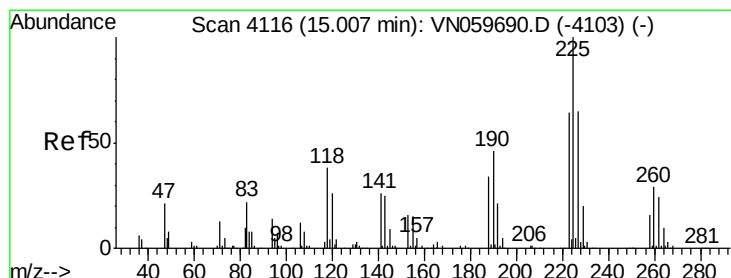
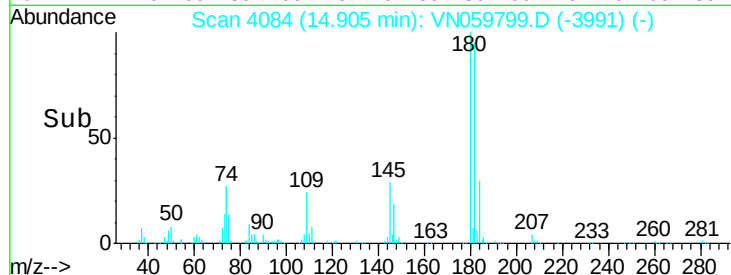
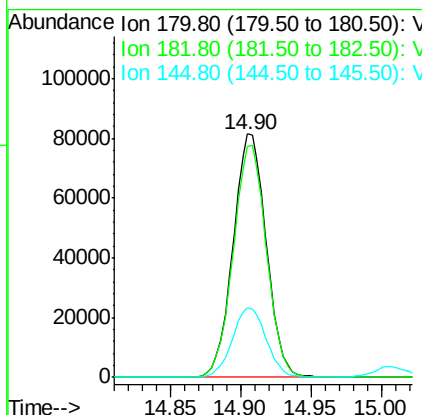
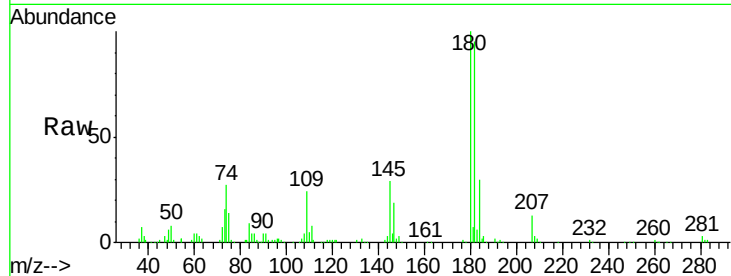
#93
 1,2,4-Trichlorobenzene
 Concen: 52.100 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134061		
182	95.3	46.9	140.7	
145	29.2	15.0	45.1	

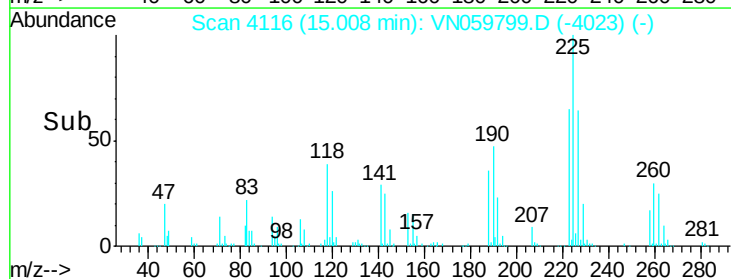
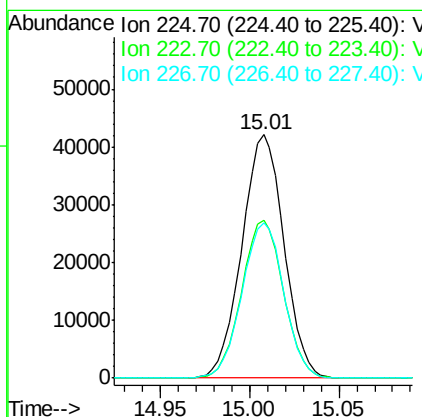
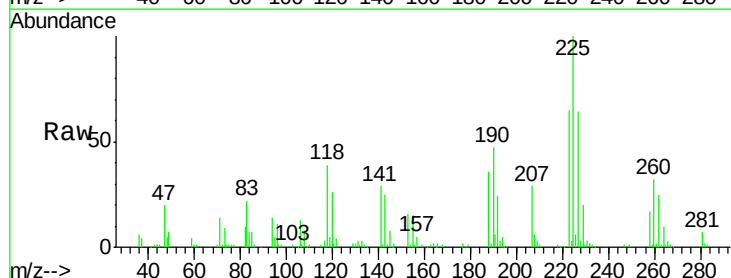
Manual Integrations
 APPROVED

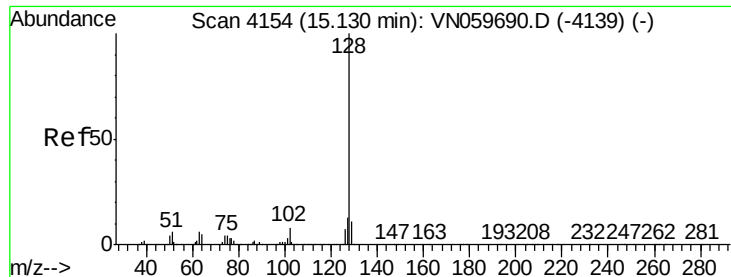
MMDadoda
 1/21/2020 11:01:15 AM



#94
 Hexachlorobutadiene
 Concen: 48.917 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059799.D
 Acq: 20 Jan 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69363		
223	64.2	31.8	95.3	
227	63.4	32.1	96.5	





#95

Naphthalene

Concen: 50.242 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Instrument :

MSVOA_N

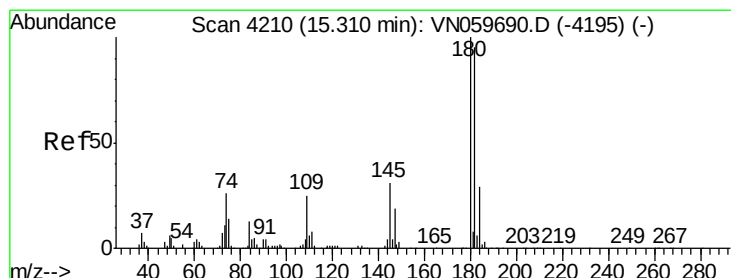
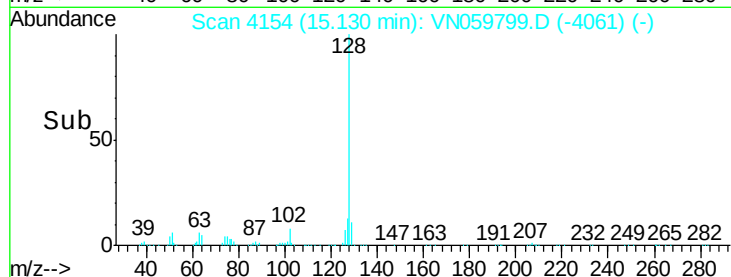
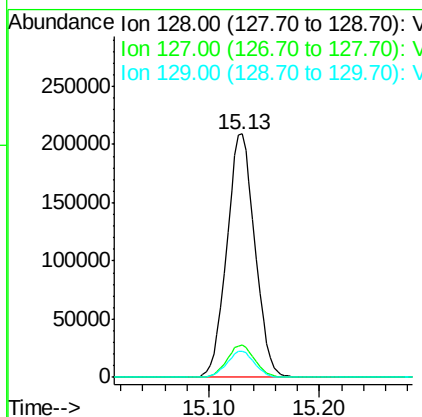
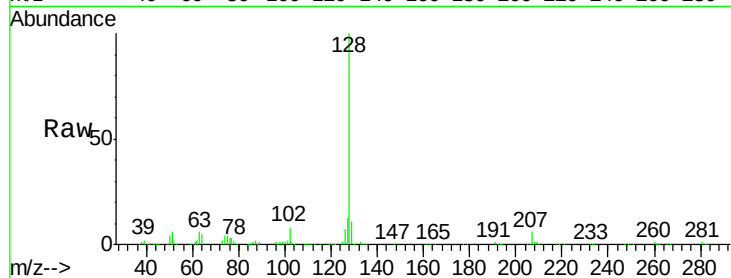
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	367723
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/21/2020 11:01:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.951 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059799.D

Acq: 20 Jan 2020 20:01

Tgt Ion:	180	Resp:	127614
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.3
145	31.3	16.3	48.9

