

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063836.D
 Acq On : 2 Oct 2020 21:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:31 PM

Quant Time: Oct 05 07:12:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	247775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	421182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	212052	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.55	113	146106	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.06	98	542815	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.38	95	203675	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	125592	48.038	ug/l	100
3) Chloromethane	2.04	50	146358	47.710	ug/l	99
4) Vinyl Chloride	2.16	62	145895	47.379	ug/l	98
5) Bromomethane	2.52	94	93091	48.062	ug/l	98
6) Chloroethane	2.67	64	99597	54.127	ug/l	98
7) Trichlorofluoromethane	2.98	101	245305	50.229	ug/l	95
8) Diethyl Ether	3.37	74	83016	50.262	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	127014	48.659	ug/l	99
10) Methyl Iodide	3.91	142	166772	55.025	ug/l	99
11) Tert butyl alcohol	4.73	59	147867	327.193	ug/l	98
12) 1,1-Dichloroethene	3.70	96	121284	48.610	ug/l	99
13) Acrolein	3.57	56	70830	255.365	ug/l	97
14) Allyl chloride	4.27	41	243529	52.538	ug/l	97
15) Acrylonitrile	4.93	53	374988	289.877	ug/l	99
16) Acetone	3.77	43	355712	282.292	ug/l	100
17) Carbon Disulfide	4.01	76	327058	48.520	ug/l	100
18) Methyl Acetate	4.28	43	205863	62.923	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	485239	53.530	ug/l	97
20) Methylene Chloride	4.50	84	154159	53.406	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	138828	49.676	ug/l	97
22) Diisopropyl ether	5.90	45	526391	55.195	ug/l	99
23) Vinyl Acetate	5.84	43	2185073	276.593	ug/l	100
24) 1,1-Dichloroethane	5.79	63	283263	51.947	ug/l	98
25) 2-Butanone	6.78	43	552861	309.468	ug/l	98
26) 2,2-Dichloropropane	6.78	77	213751	42.805	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	163711	50.934	ug/l	99
28) Bromochloromethane	7.15	49	142747	52.965	ug/l	98
29) Tetrahydrofuran	7.16	42	372596	310.966	ug/l	98
30) Chloroform	7.33	83	301995	53.115	ug/l	93
31) Cyclohexane	7.61	56	221846	46.682	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	275442	53.710	ug/l	99
36) 1,1-Dichloropropene	7.75	75	207488	48.626	ug/l	99
37) Ethyl Acetate	6.88	43	228506	53.902	ug/l	99
38) Carbon Tetrachloride	7.73	117	237520	49.641	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	191636	45.036	ug/l	98
40) Benzene	8.00	78	609402	50.002	ug/l	97
41) Methacrylonitrile	7.12	41	96285	51.103	ug/l #	90
42) 1,2-Dichloroethane	8.09	62	269664	51.834	ug/l	100
43) Isopropyl Acetate	8.13	43	388324	55.534	ug/l #	92
44) Trichloroethene	8.80	130	153308	48.009	ug/l	98
45) 1,2-Dichloropropane	9.08	63	169008	51.347	ug/l	98
46) Dibromomethane	9.17	93	117098	51.571	ug/l	99
47) Bromodichloromethane	9.37	83	247572	52.904	ug/l	100
48) Methyl methacrylate	9.16	41	199425	57.725	ug/l	95
49) 1,4-Dioxane	9.16	88	62482	1272.552	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1238039	301.700	ug/l	99
52) Toluene	10.13	92	390497	51.801	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	259794	51.790	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	267294	50.951	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	158057	52.282	ug/l	98
56) Ethyl methacrylate	10.40	69	239799	55.960	ug/l	98
57) 1,3-Dichloropropane	10.68	76	271218	53.027	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	639025	278.781	ug/l	99
59) 2-Hexanone	10.72	43	923105	302.819	ug/l	99
60) Dibromochloromethane	10.87	129	183089	52.003	ug/l	100
61) 1,2-Dibromoethane	10.98	107	166579	53.866	ug/l	99
64) Tetrachloroethene	10.60	164	137769	44.573	ug/l	99
65) Chlorobenzene	11.41	112	411977	50.271	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	161384	51.367	ug/l	99
67) Ethyl Benzene	11.48	91	759613	50.939	ug/l	100
68) m/p-Xylenes	11.60	106	562422	101.196	ug/l	99
69) o-Xylene	11.92	106	271483	52.262	ug/l	99
70) Styrene	11.94	104	475289	53.901	ug/l	99
71) Bromoform	12.10	173	124726	51.907	ug/l #	95
73) Isopropylbenzene	12.23	105	717297	49.617	ug/l	100
74) N-amyl acetate	12.05	43	347253	51.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	239898	54.267	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	223041m	51.050	ug/l	
77) Bromobenzene	12.50	156	180152	50.786	ug/l	99
78) n-propylbenzene	12.57	91	827822	49.203	ug/l	100
79) 2-Chlorotoluene	12.65	91	513072	49.585	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	611735	50.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	79190	52.203	ug/l	99
82) 4-Chlorotoluene	12.75	91	535504	49.853	ug/l	100
83) tert-Butylbenzene	12.97	119	487821	49.172	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	611730	50.519	ug/l	98
85) sec-Butylbenzene	13.15	105	634458	48.691	ug/l	100
86) p-Isopropyltoluene	13.26	119	577944	50.137	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	315060	49.094	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	315514	47.219	ug/l	99
89) n-Butylbenzene	13.59	91	486615	45.738	ug/l	99
90) Hexachloroethane	13.85	117	108691	48.659	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	319820	50.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56661	54.654	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	150202	43.684	ug/l	99
94) Hexachlorobutadiene	14.98	225	80874	46.930	ug/l	98
95) Naphthalene	15.10	128	485798	45.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	147683	44.241	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 247775

Ion Ratio Lower Upper

168 100

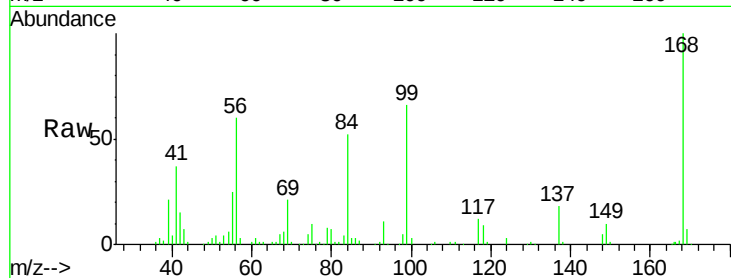
99 65.3 51.8 77.6

Manual Integrations

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10/5/2020 5:35:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

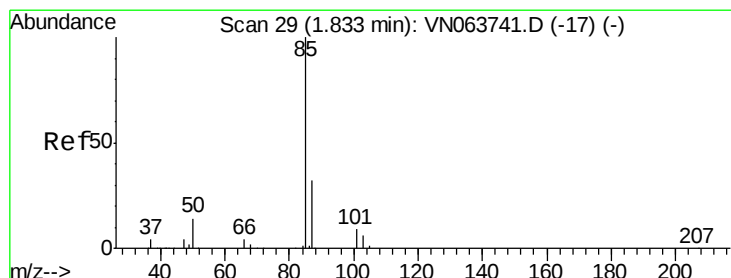
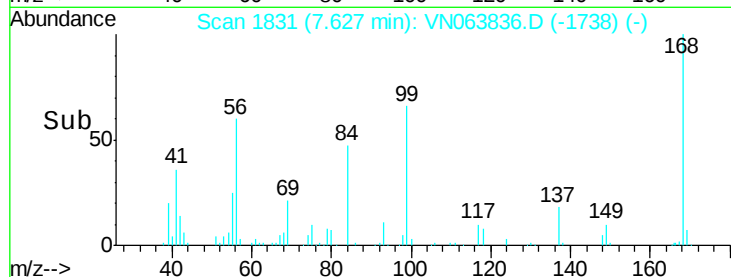
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 48.038 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063836.D

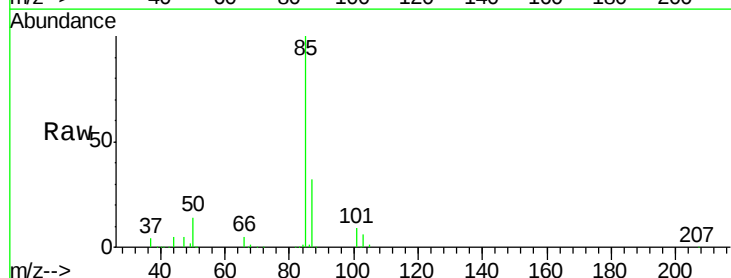
Acq: 2 Oct 2020 21:08

Tgt Ion: 85 Resp: 125592

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

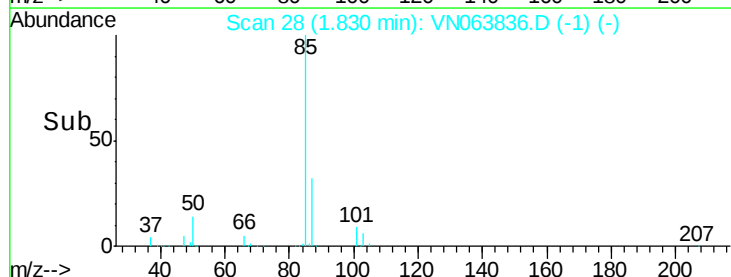
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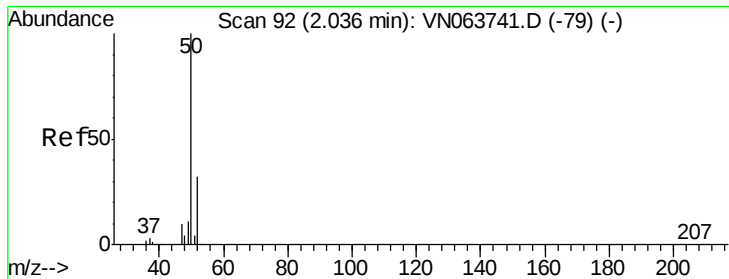
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.710 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146358

Ion Ratio Lower Upper

50 100

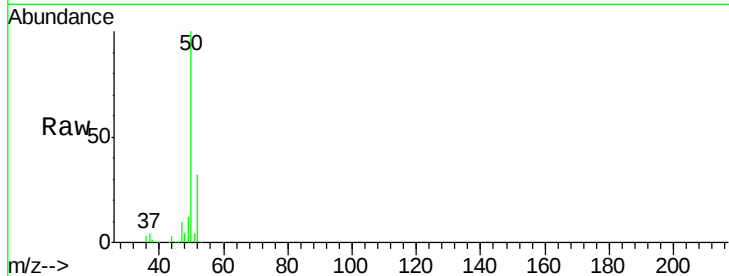
52 31.7 25.8 38.8

Manual Integrations

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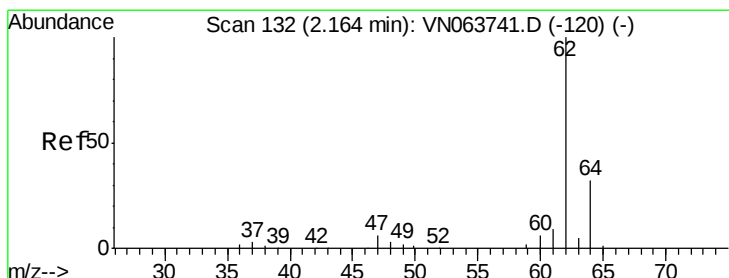
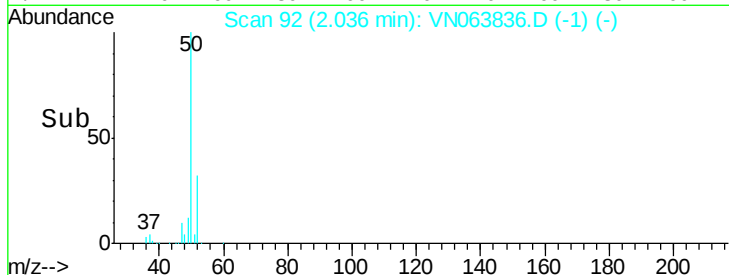
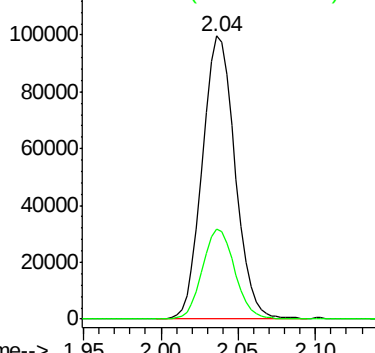
MMDadoda

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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: 47.379 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063836.D

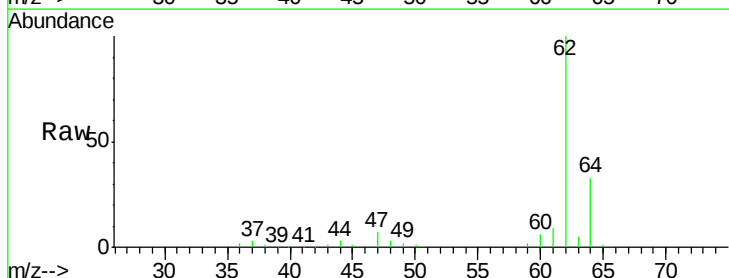
Acq: 2 Oct 2020 21:08

Tgt Ion: 62 Resp: 145895

Ion Ratio Lower Upper

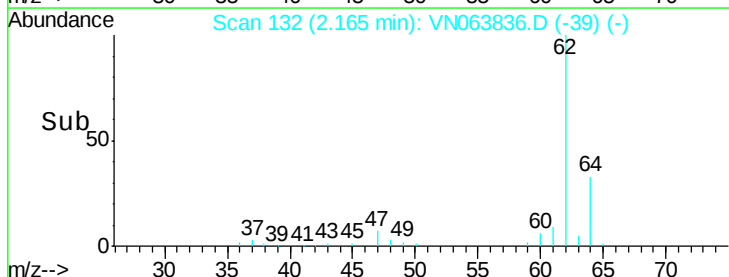
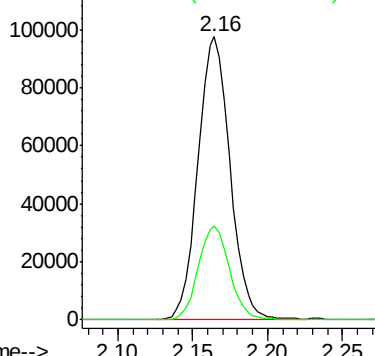
62 100

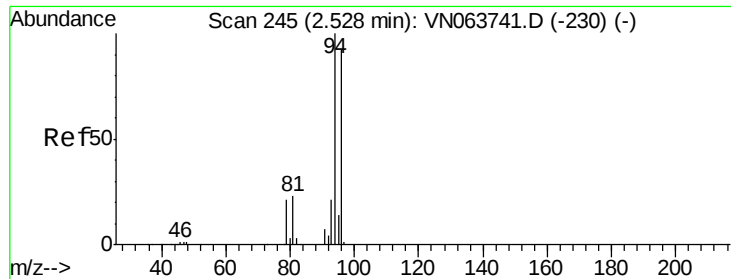
64 33.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.062 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 93091

Ion Ratio Lower Upper

94 100

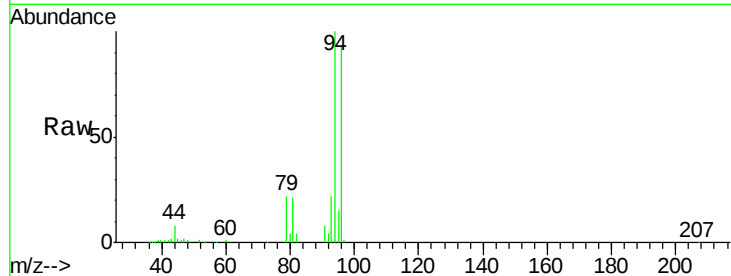
96 93.5 73.3 109.9

Manual Integrations

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10/5/2020 5:35:31 PM

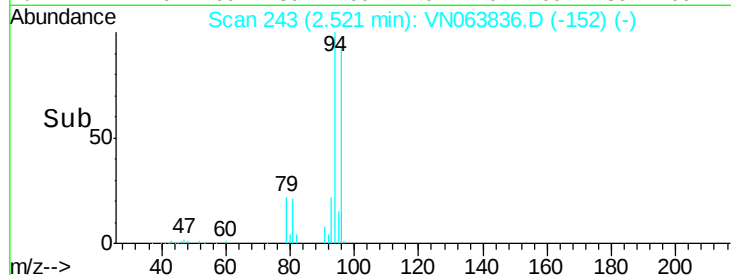


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->



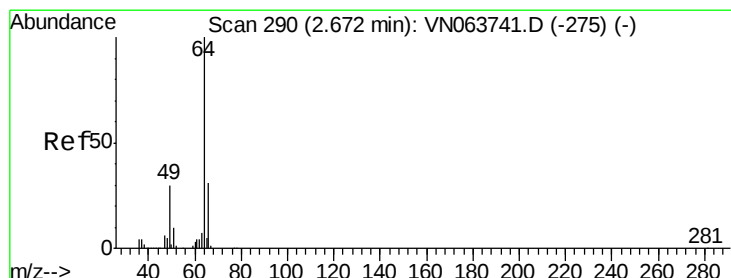
Abundance

Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->



#6

Chloroethane

Concen: 54.127 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN063836.D

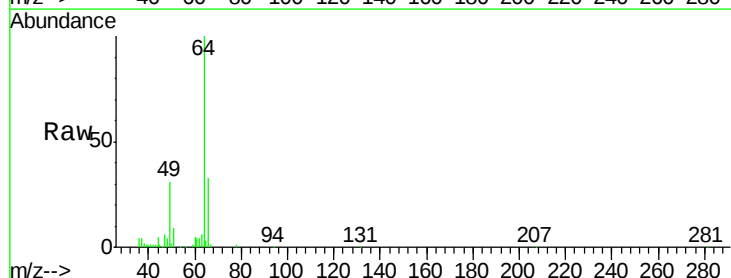
Acq: 2 Oct 2020 21:08

Tgt Ion: 64 Resp: 99597

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7

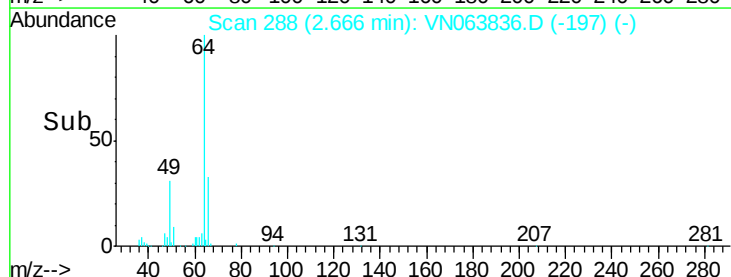


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->



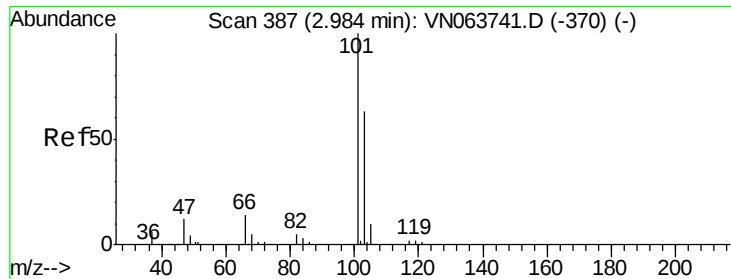
Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->



#7

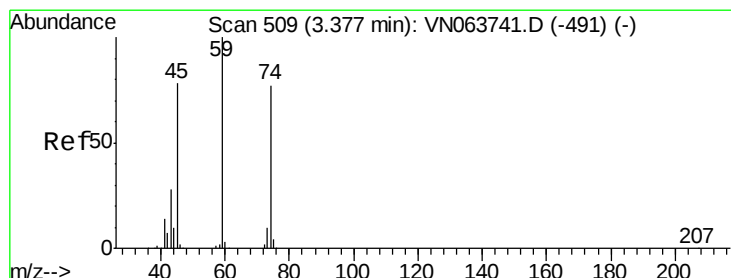
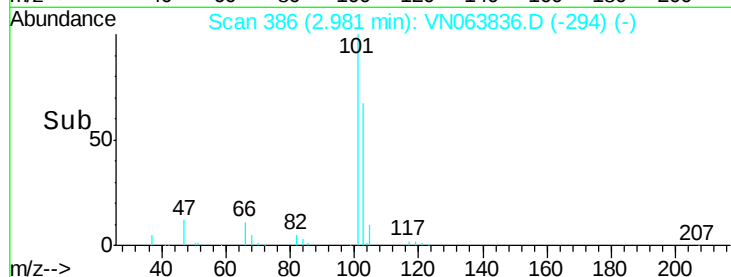
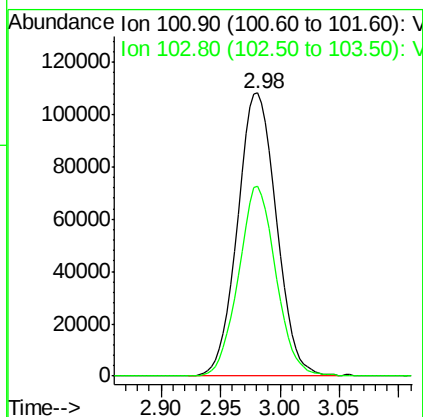
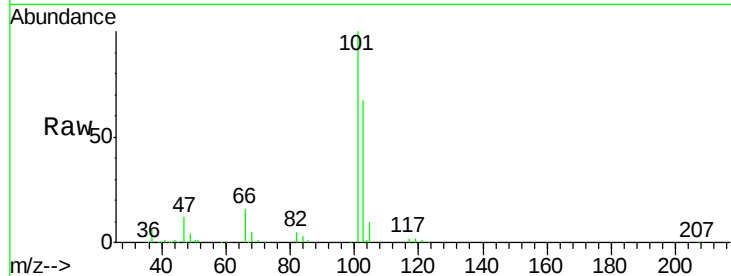
Trichlorofluoromethane
 Concen: 50.229 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	50.7	76.1

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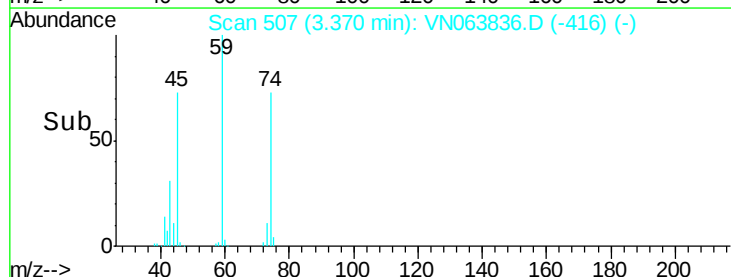
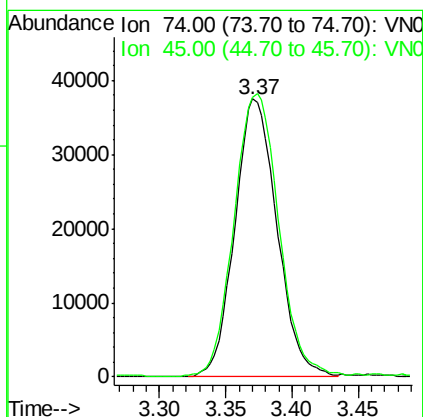
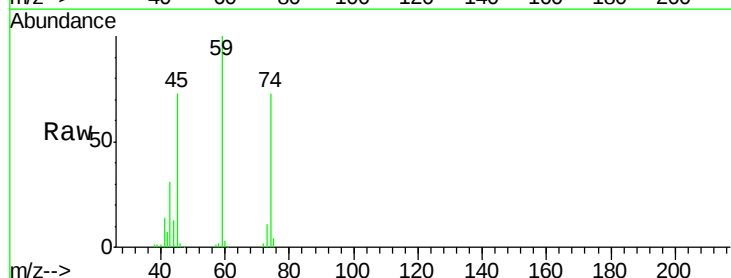
MMDadoda
 10/5/2020 5:35:31 PM

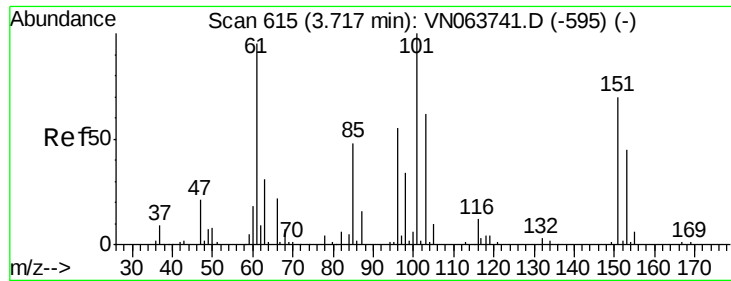


#8

Diethyl Ether
 Concen: 50.262 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.4	50.9	152.8





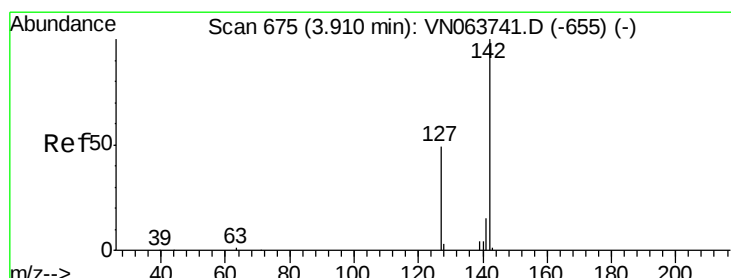
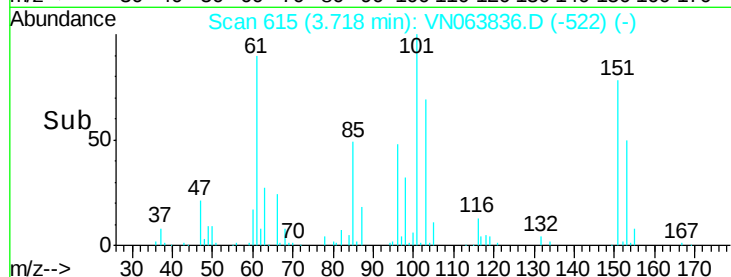
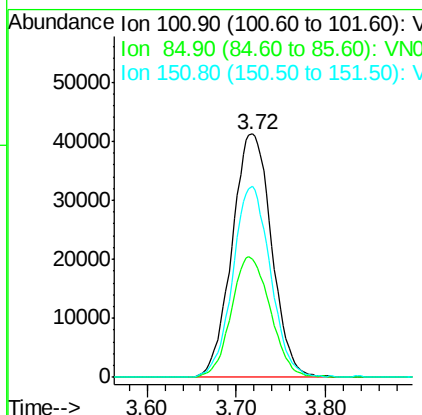
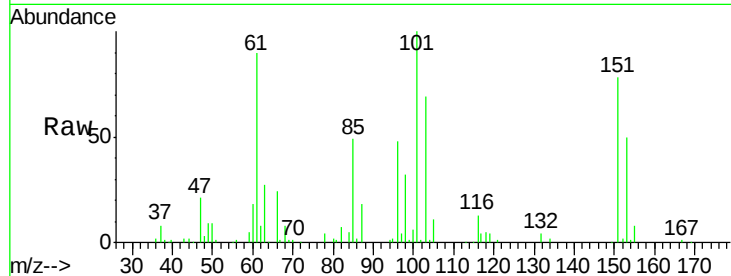
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.659 ug/l
RT: 3.72 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	48.7	38.6	58.0
151	74.7	58.7	88.1

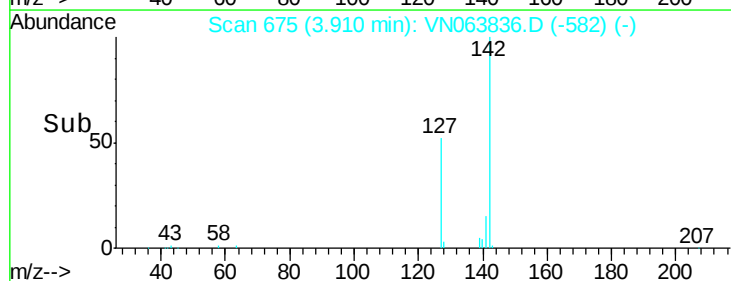
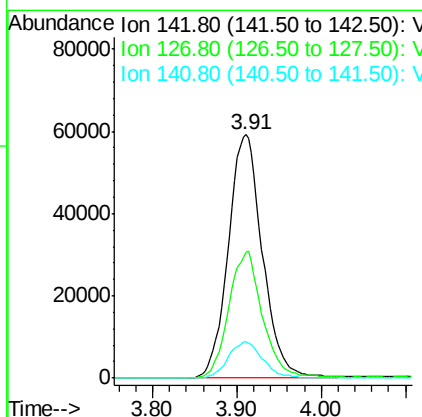
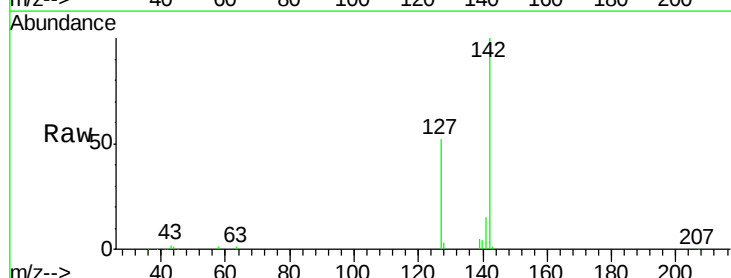
Manual Integrations
APPROVED

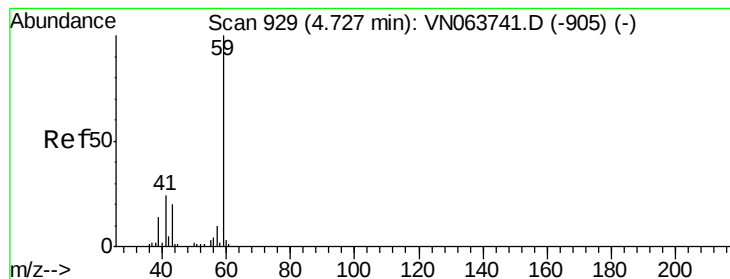
MMDadoda
10/5/2020 5:35:31 PM



#10
Methyl Iodide
Concen: 55.025 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.6	40.5	60.7
141	15.0	11.7	17.5





#11

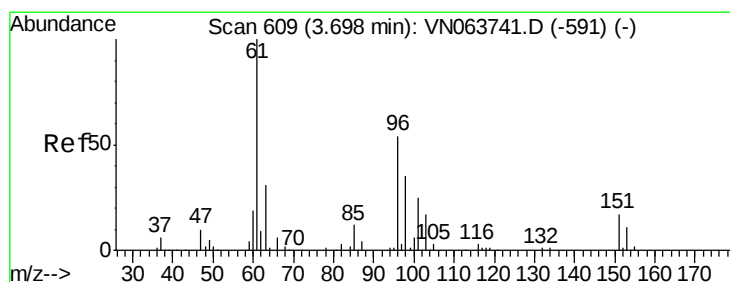
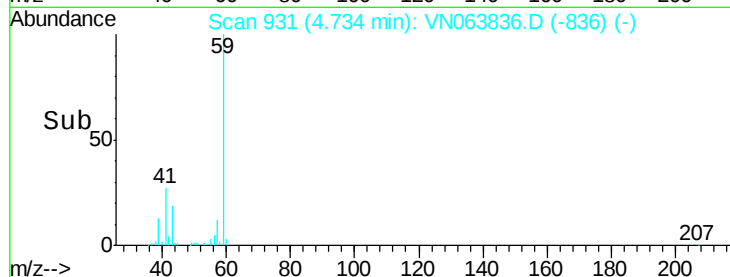
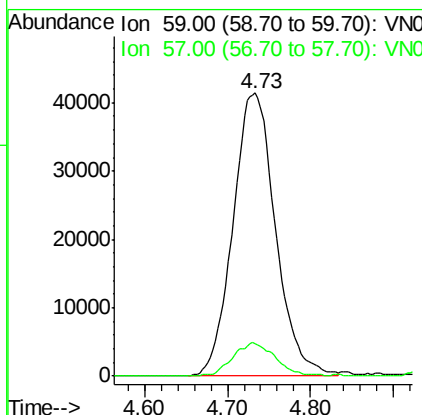
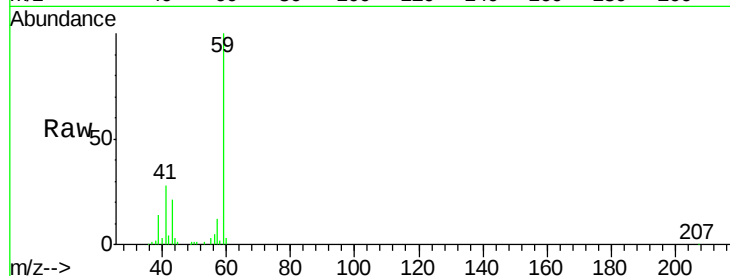
Tert butyl alcohol
Concen: 327.193 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	Resp	Lower	Upper
147867							
	59	57	100	11.8		8.7	13.1

Manual Integrations
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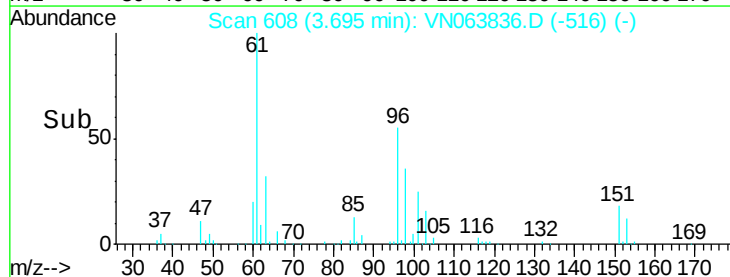
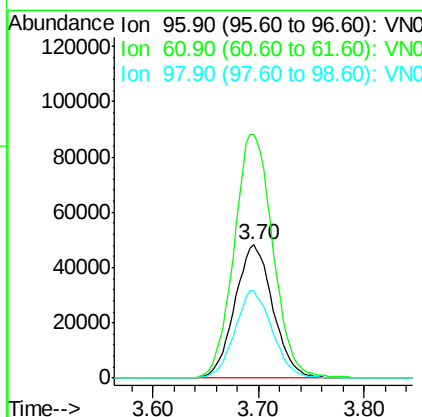
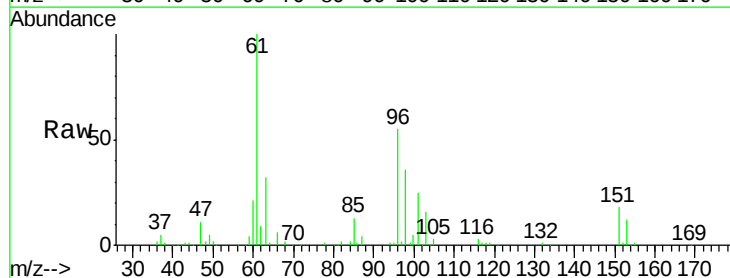
MMDadoda
10/5/2020 5:35:31 PM

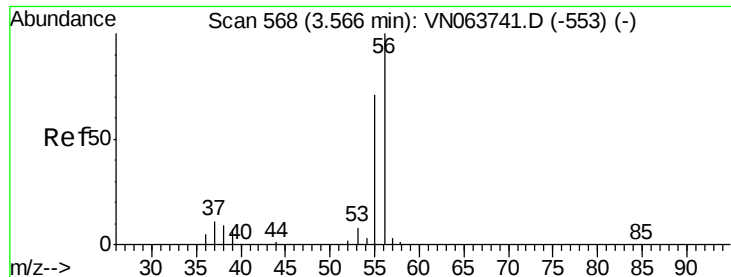


#12

1,1-Dichloroethene
Concen: 48.610 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	96	61	98	Ratio	100	182.9	65.5	Resp	121284	Lower	Upper
	96	61	98	100	182.9	65.5				147.7	221.5
										51.9	77.9





#13

Acrolein

Concen: 255.365 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70830

Ion Ratio Lower Upper

56 100

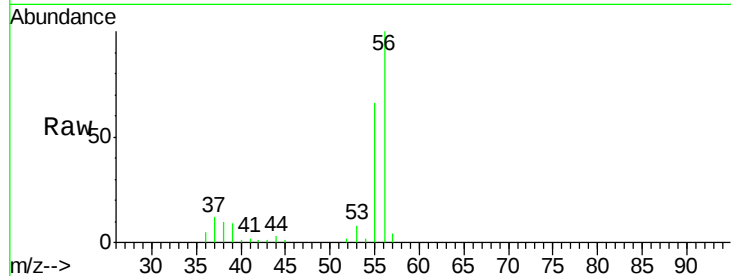
55 68.4 56.9 85.3

Manual Integrations

APPROVED

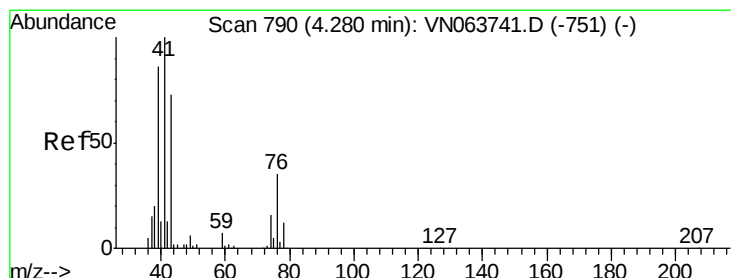
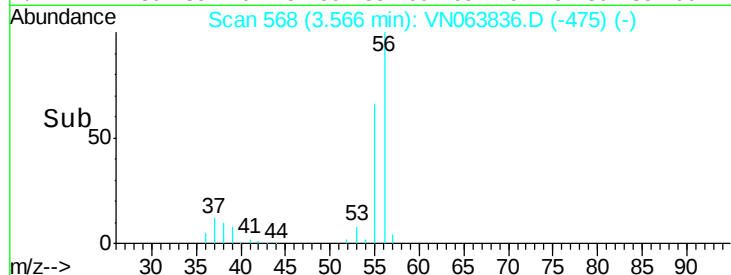
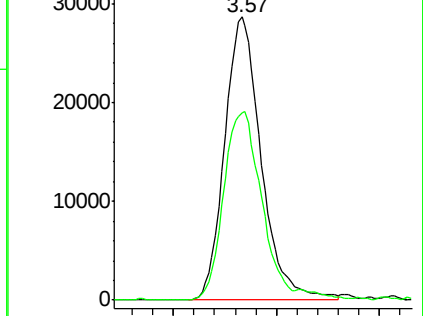
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.538 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

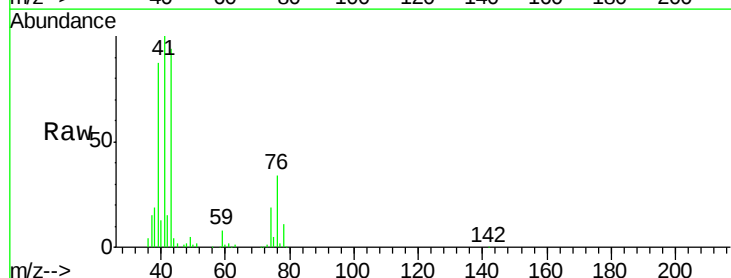
Tgt Ion: 41 Resp: 243529

Ion Ratio Lower Upper

41 100

39 78.9 64.5 96.7

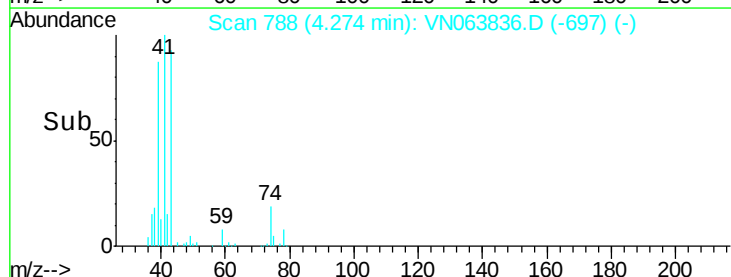
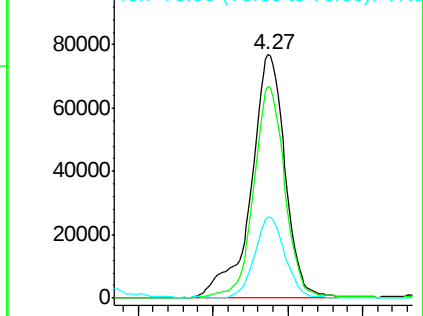
76 29.6 25.9 38.9

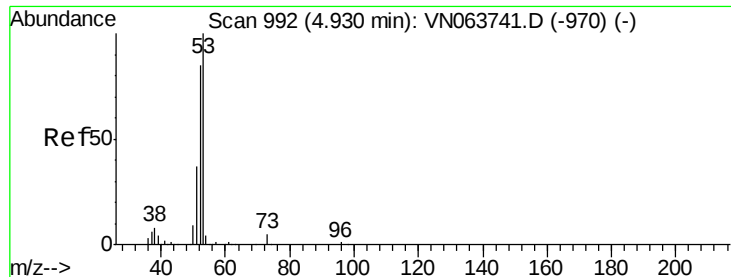


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 289.877 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

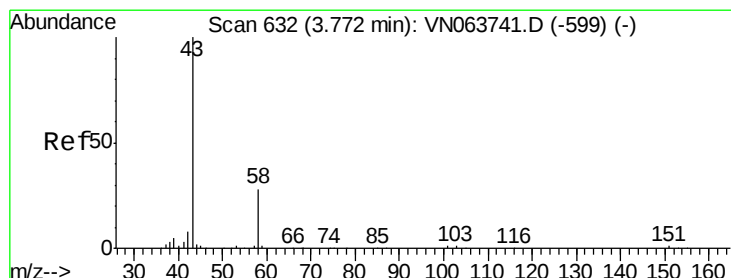
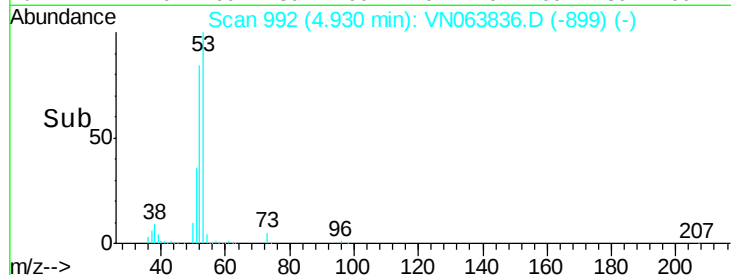
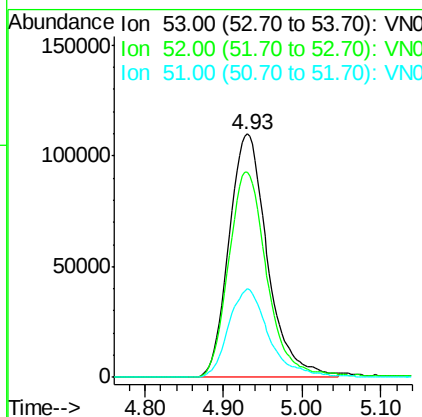
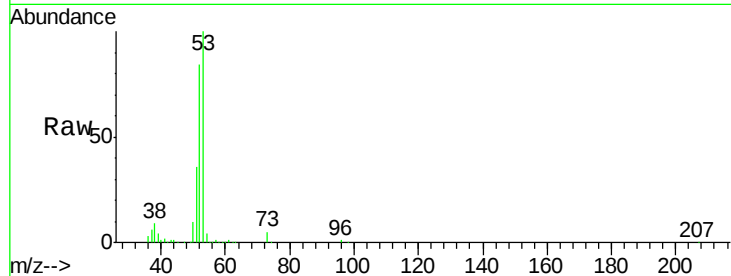
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	374988
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.5	99.7
51	38.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 282.292 ug/l

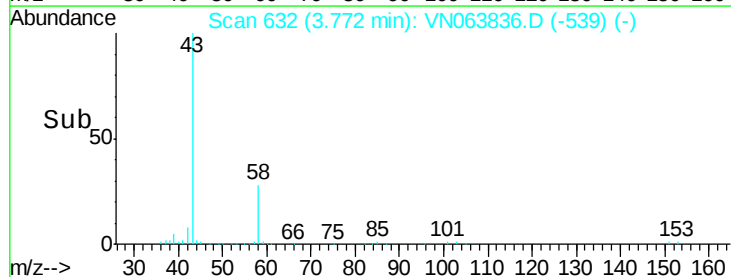
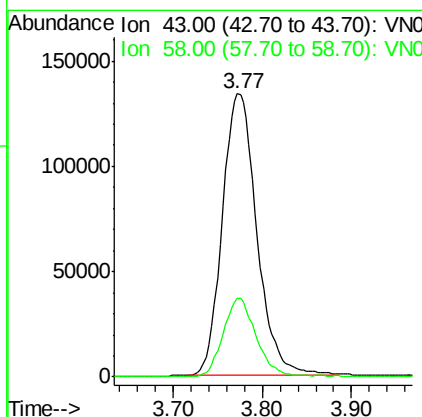
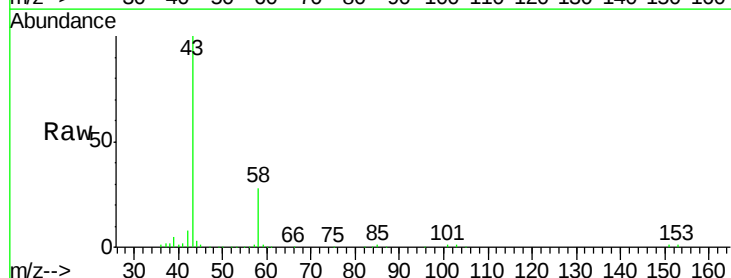
RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	43	Resp:	355712
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.3	33.5





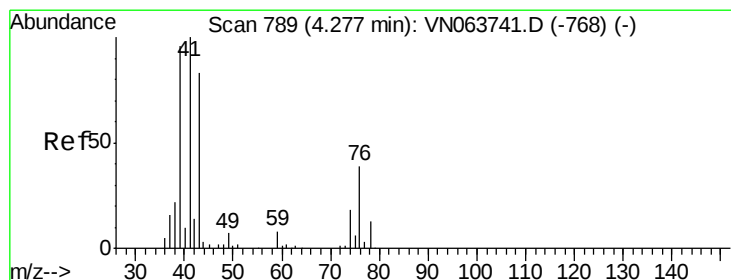
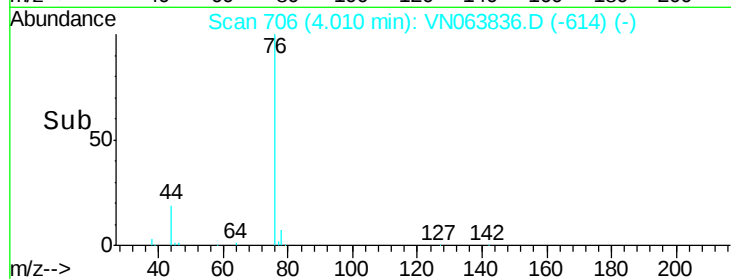
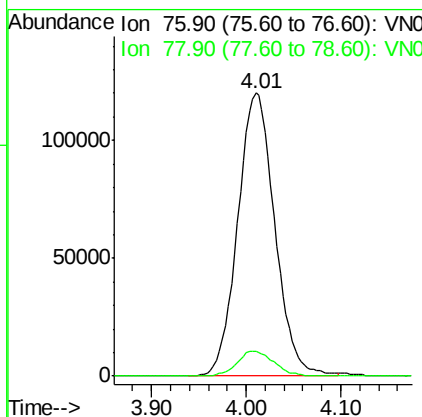
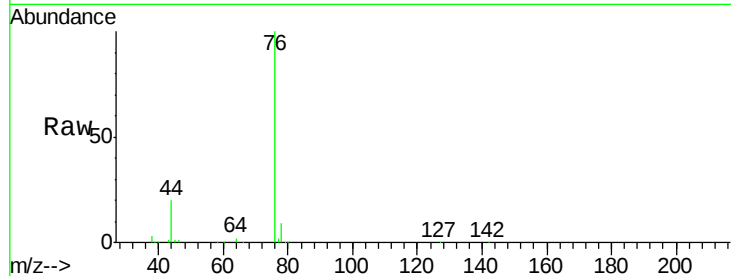
#17
Carbon Disulfide
Concen: 48.520 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

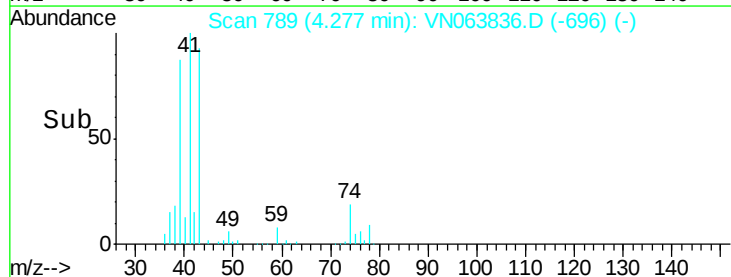
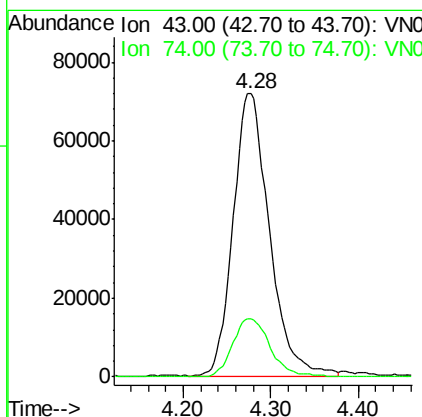
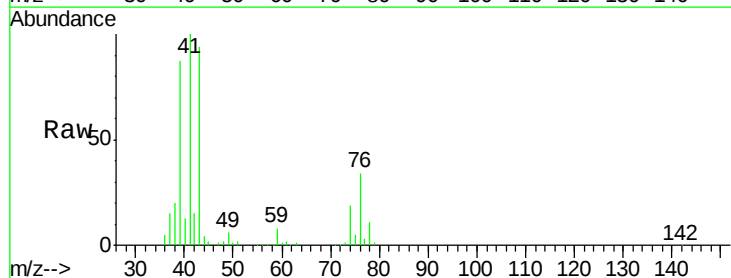
Manual Integrations
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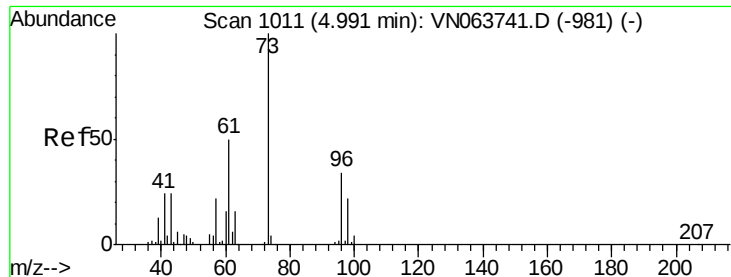
MMDadoda
10/5/2020 5:35:31 PM



#18
Methyl Acetate
Concen: 62.923 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





#19

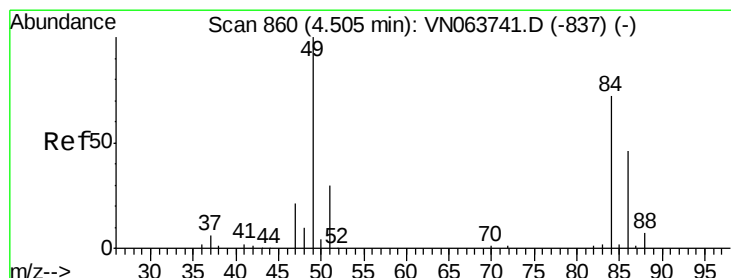
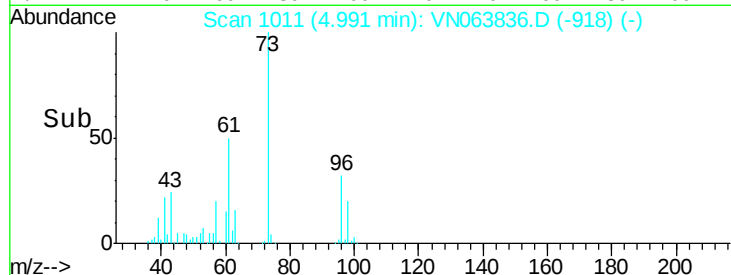
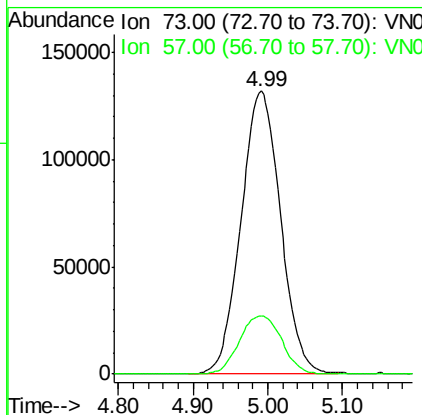
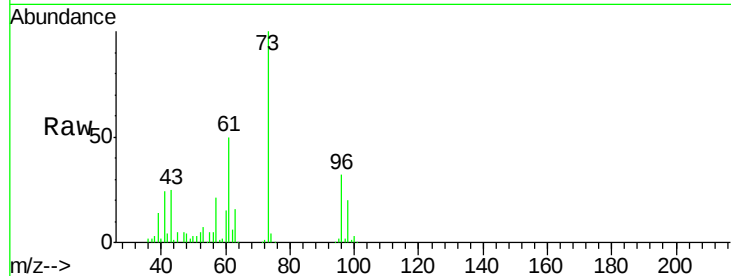
Methyl tert-butyl Ether
 Concen: 53.530 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 485239
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.6 26.4

Manual Integrations
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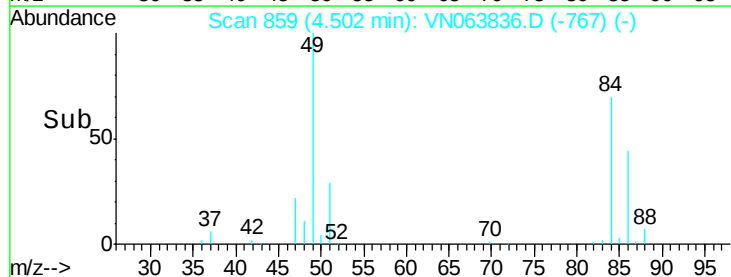
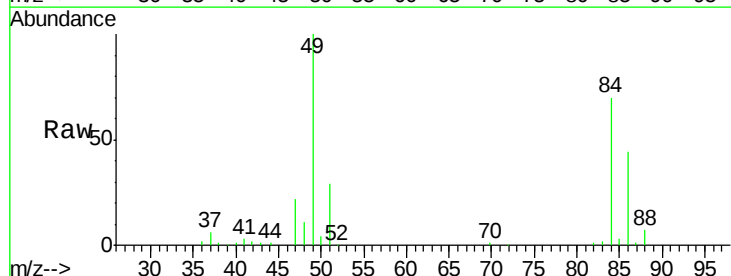
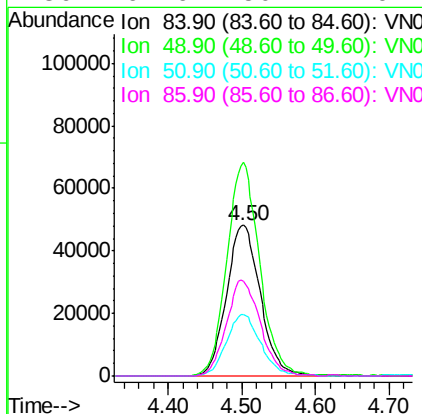
MMDadoda
 10/5/2020 5:35:31 PM

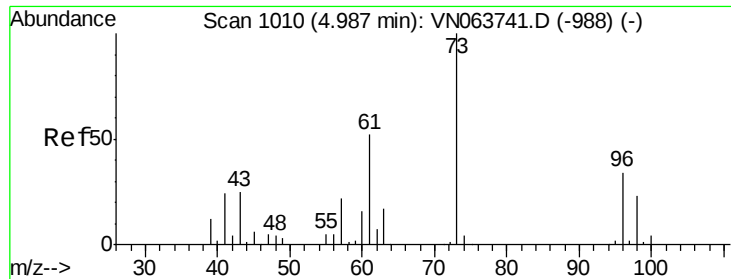


#20

Methylene Chloride
 Concen: 53.406 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion: 84 Resp: 154159
 Ion Ratio Lower Upper
 84 100
 49 141.9 110.4 165.6
 51 41.0 33.3 49.9
 86 62.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.676 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 138828

Ion Ratio Lower Upper

96 100

61 153.9 120.2 180.2

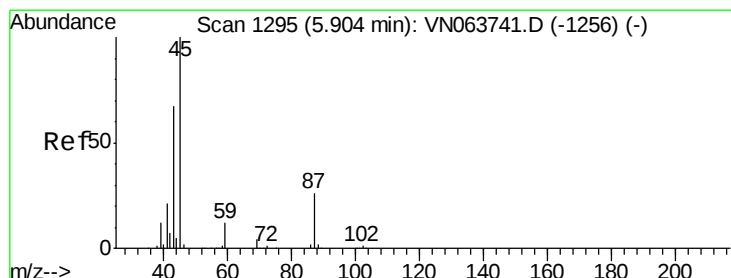
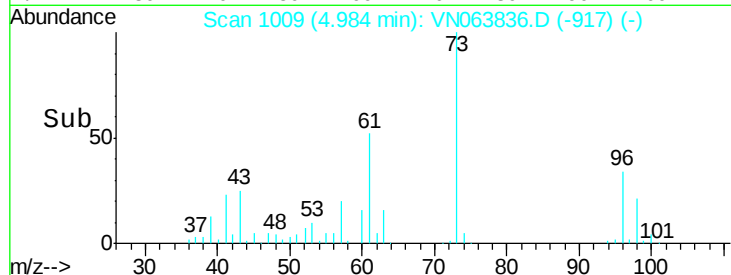
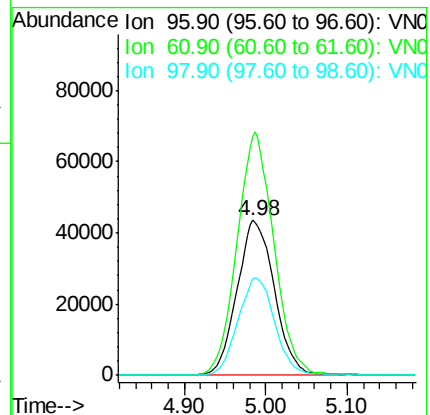
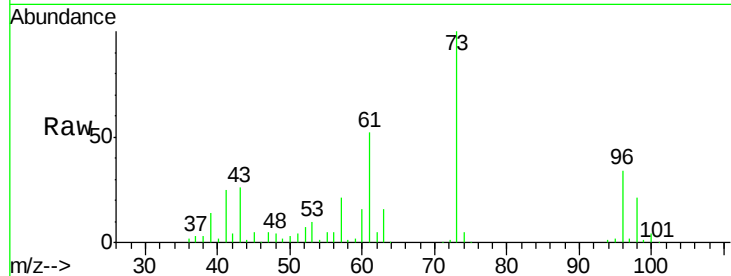
98 62.2 52.6 79.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.195 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion: 45 Resp: 526391

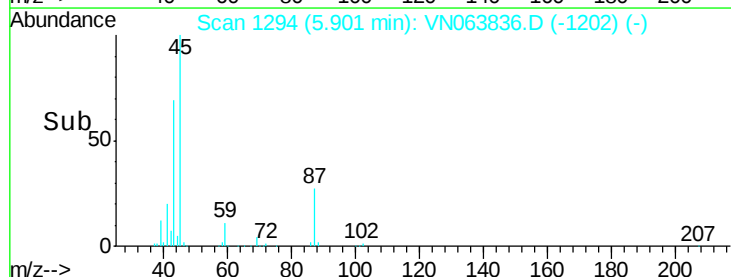
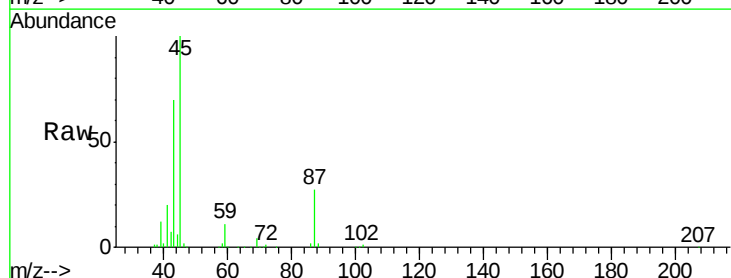
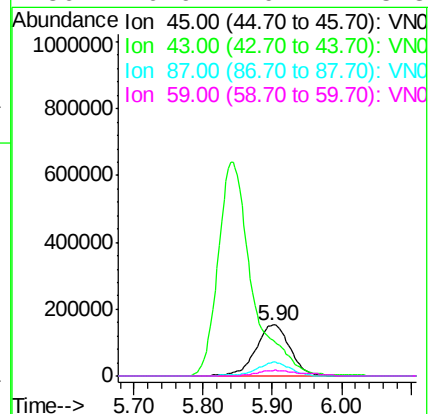
Ion Ratio Lower Upper

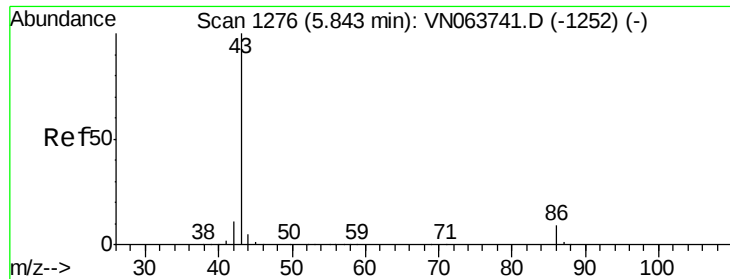
45 100

43 67.5 53.7 80.5

87 26.6 21.1 31.7

59 10.9 9.2 13.8





#23

Vinyl Acetate

Concen: 276.593 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2185073

Ion Ratio Lower Upper

43 100

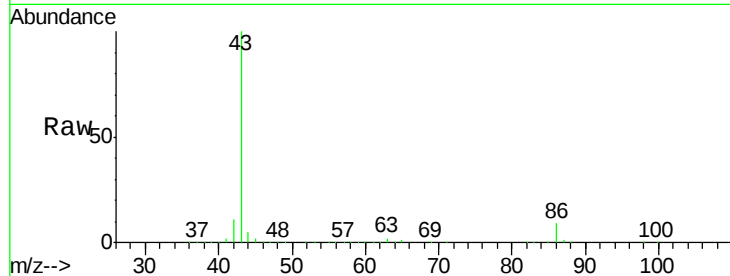
86 9.0 7.3 10.9

Manual Integrations

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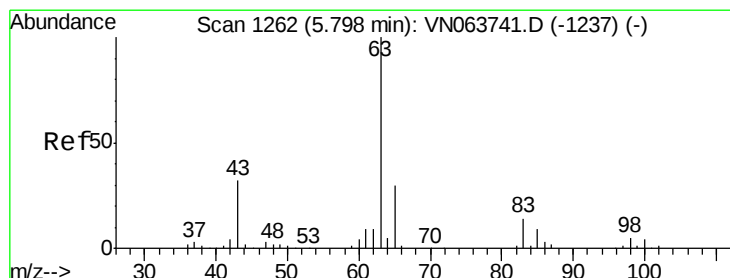
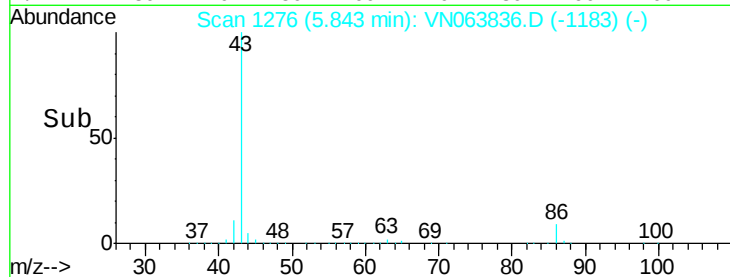
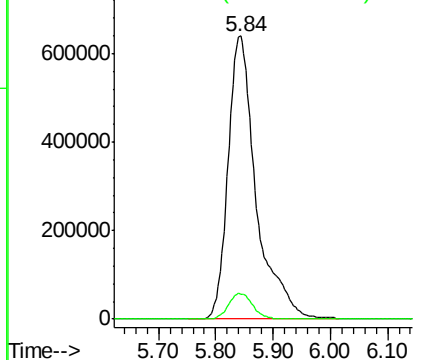
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.947 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

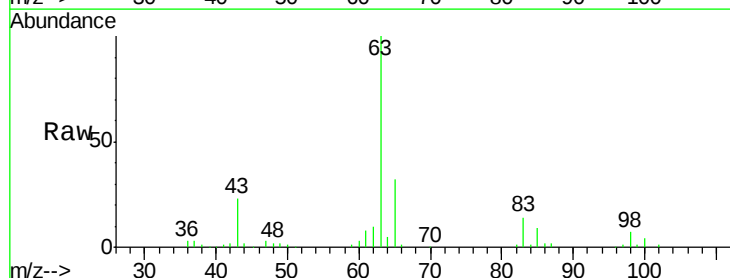
Tgt Ion: 63 Resp: 283263

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

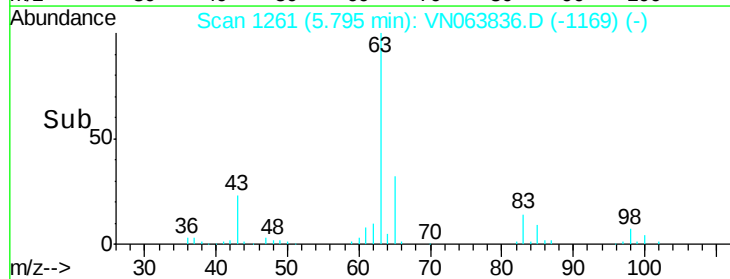
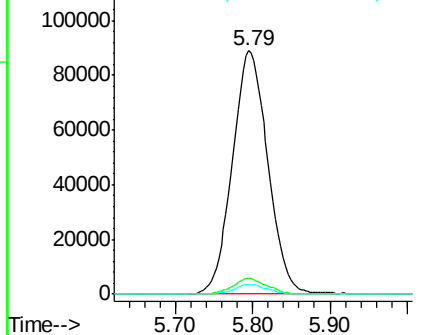
100 3.9 1.9 5.7

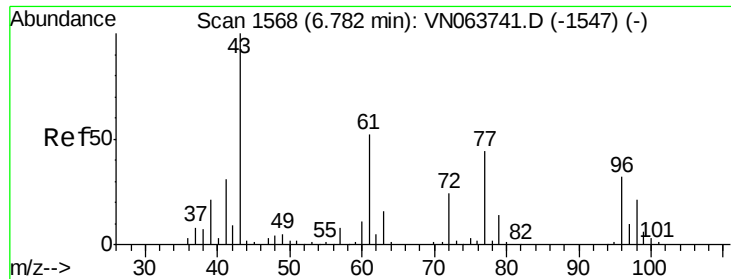


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 309.468 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 552861

Ion Ratio Lower Upper

43 100

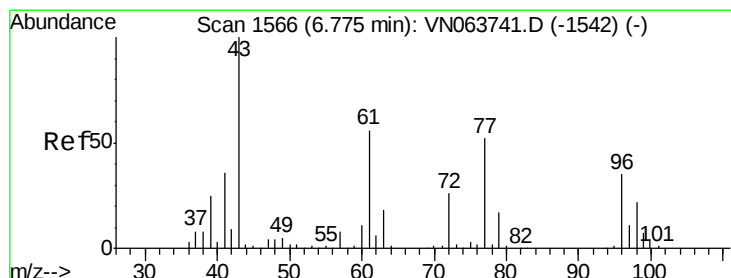
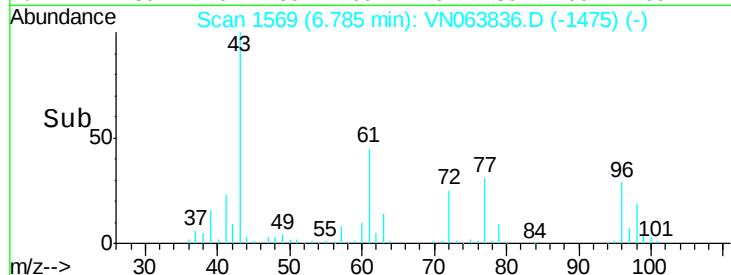
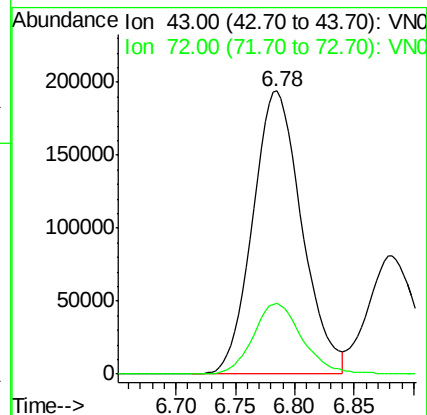
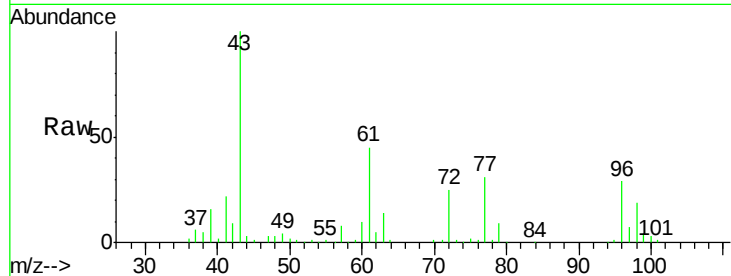
72 25.0 19.3 28.9

Manual Integrations

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MMDadoda

10/5/2020 5:35:31 PM



#26

2,2-Dichloropropane

Concen: 42.805 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063836.D

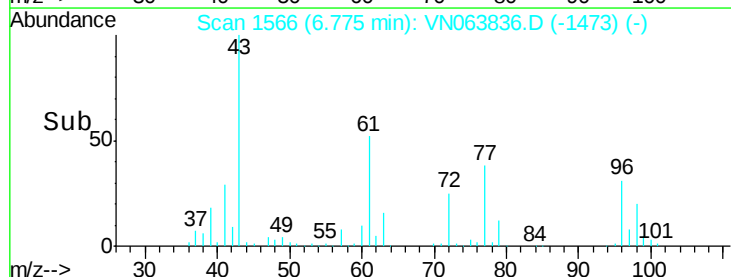
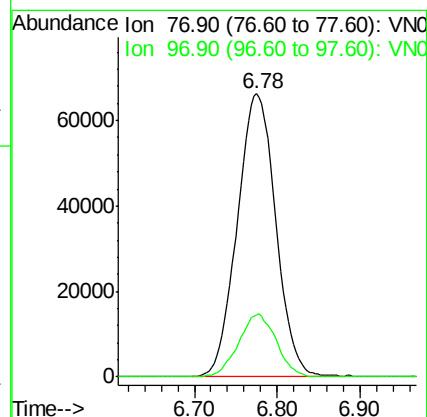
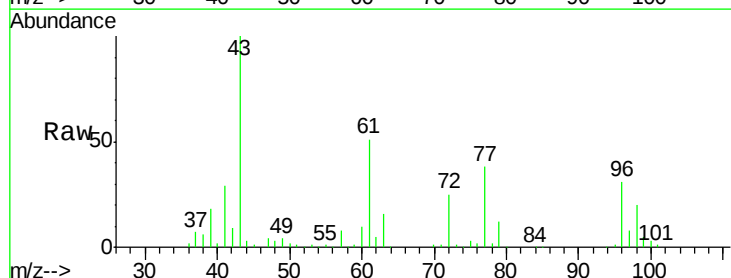
Acq: 2 Oct 2020 21:08

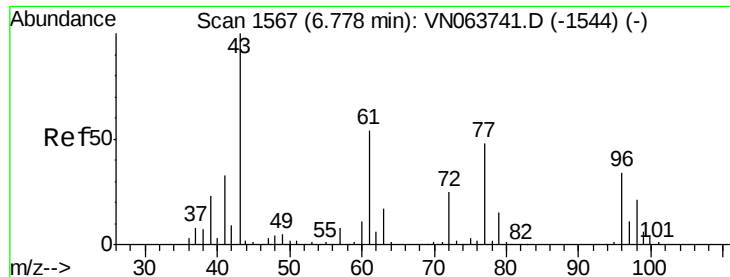
Tgt Ion: 77 Resp: 213751

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 50.934 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

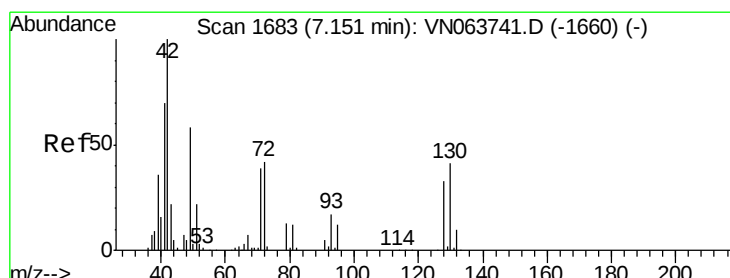
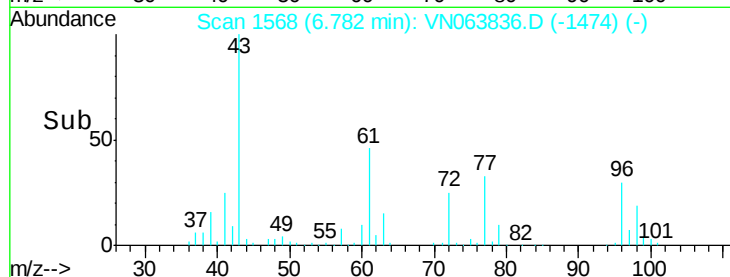
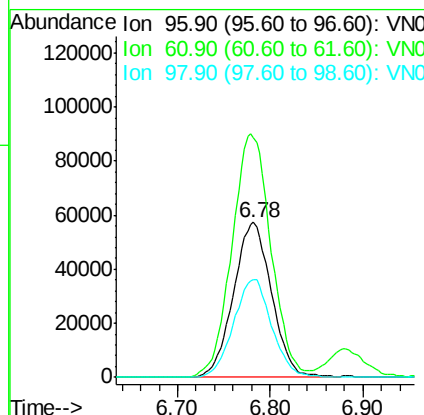
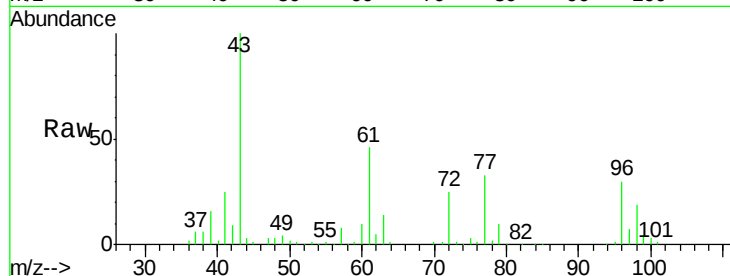
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163711
Ion Ratio	Lower	Upper	
96	100		
61	160.3	0.0	321.2
98	63.1	0.0	124.4

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#28

Bromochloromethane

Concen: 52.965 ug/l

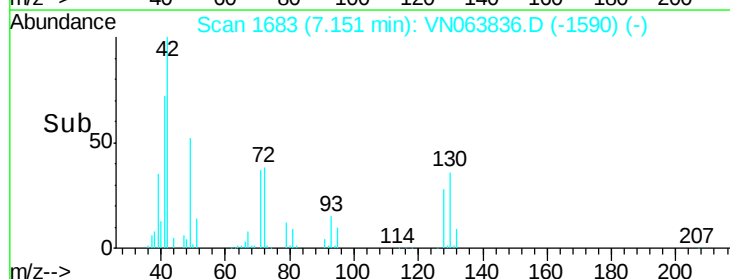
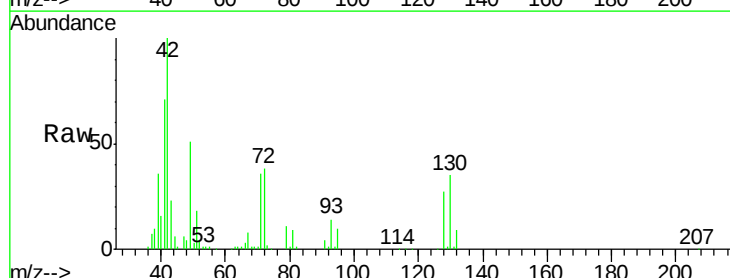
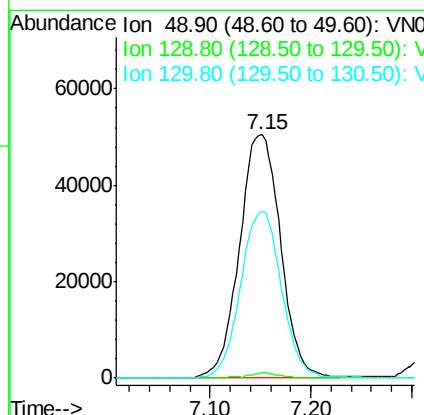
RT: 7.15 min Scan# 1683

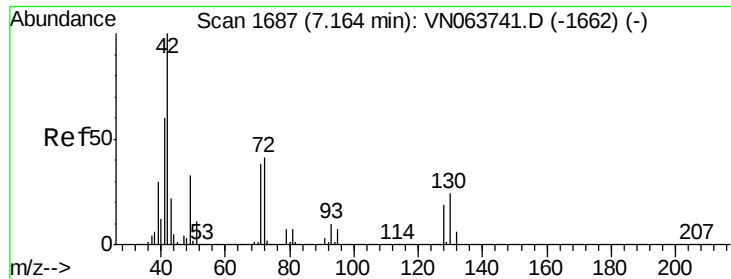
Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	49	Resp:	142747
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	4.8
130	68.0	55.6	83.4





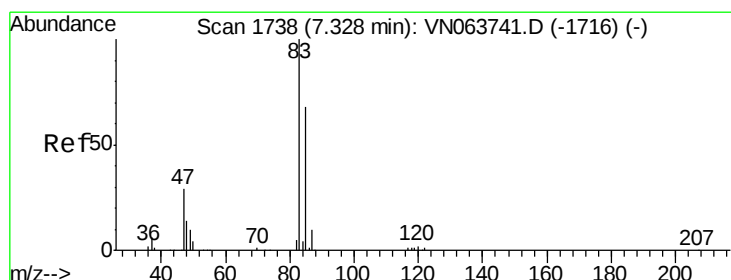
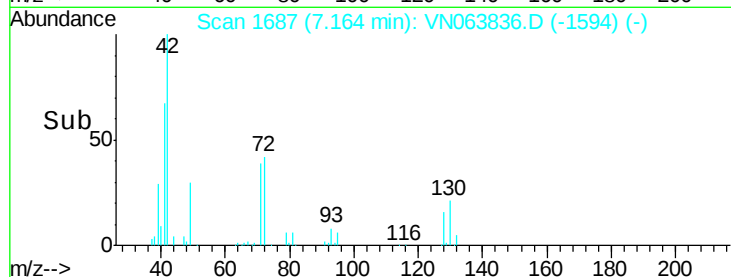
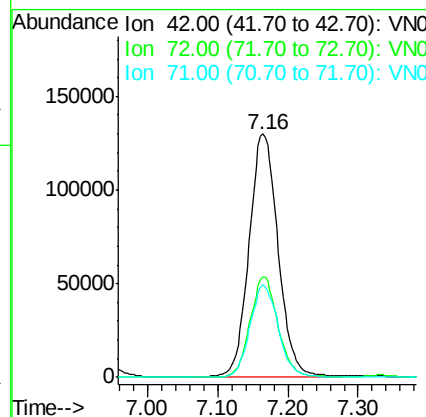
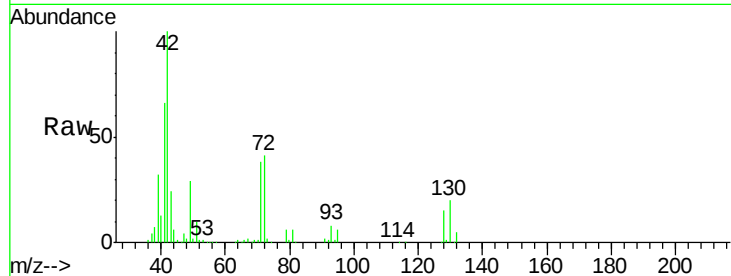
#29
Tetrahydrofuran
Concen: 310.966 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.8	49.2
71	37.0	30.6	45.8

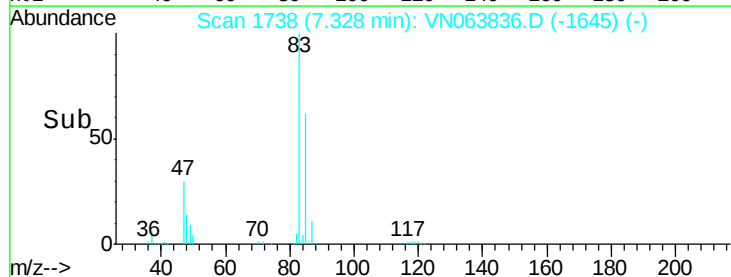
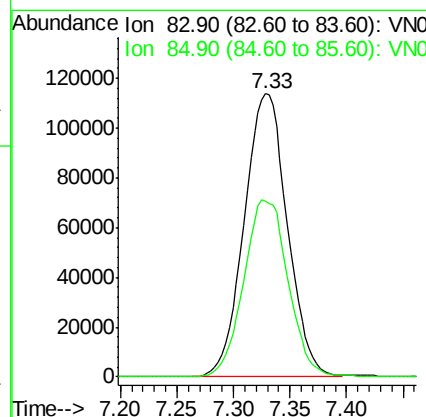
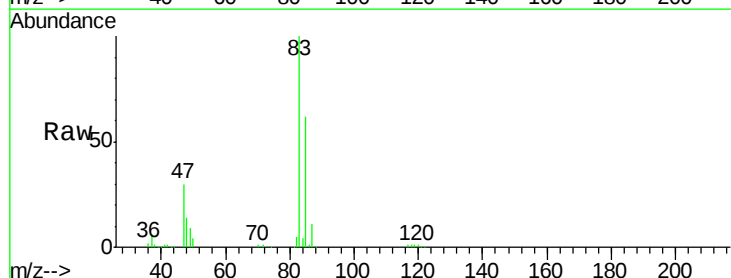
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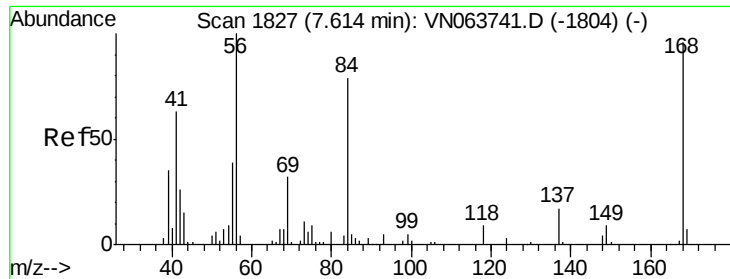
MMDadoda
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#30
Chloroform
Concen: 53.115 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	54.6	82.0





#31

Cyclohexane

Concen: 46.682 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

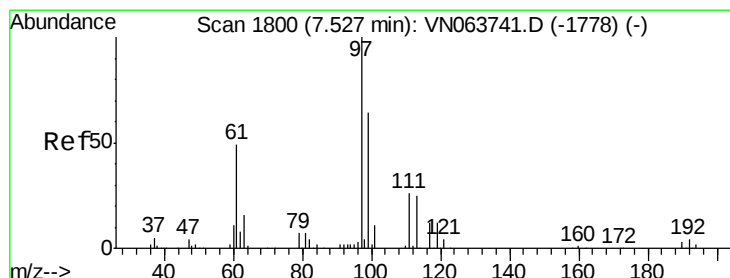
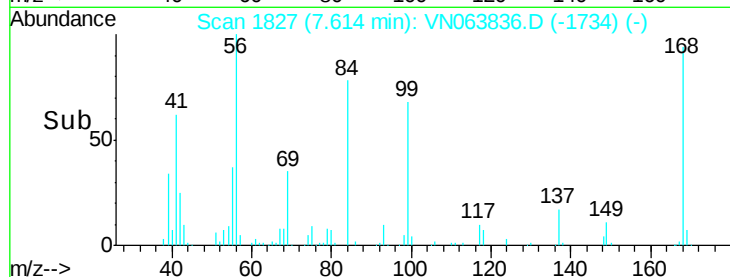
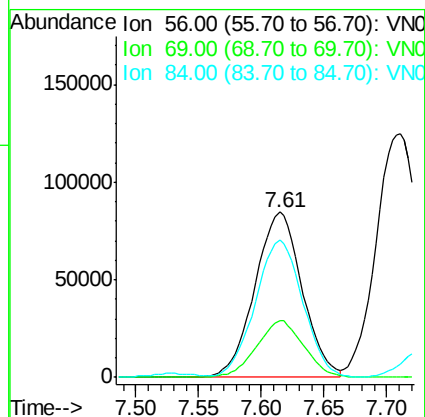
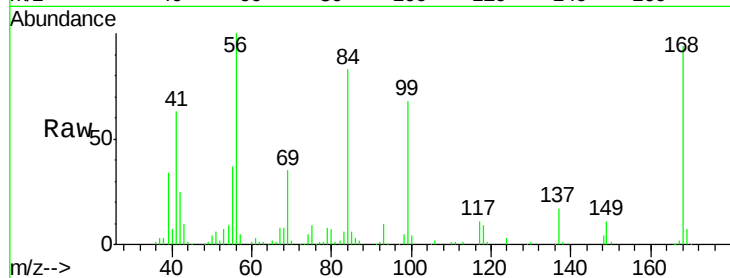
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	221846
Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.4	38.2
84	81.1	63.3	94.9

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#32

1,1,1-Trichloroethane

Concen: 53.710 ug/l

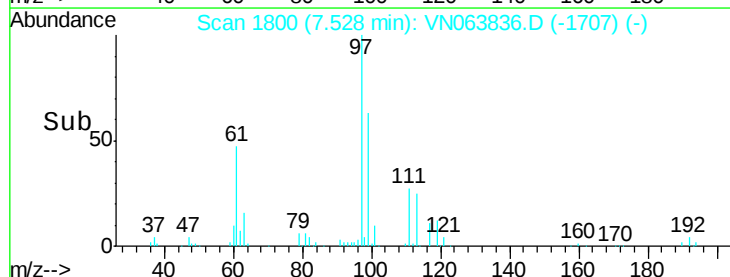
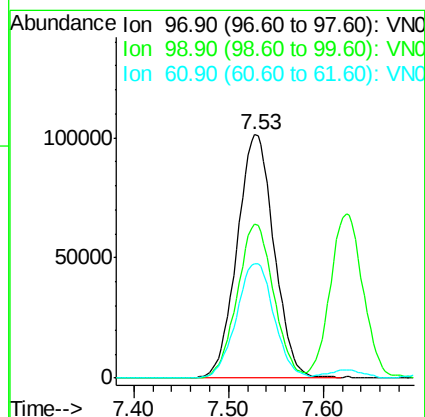
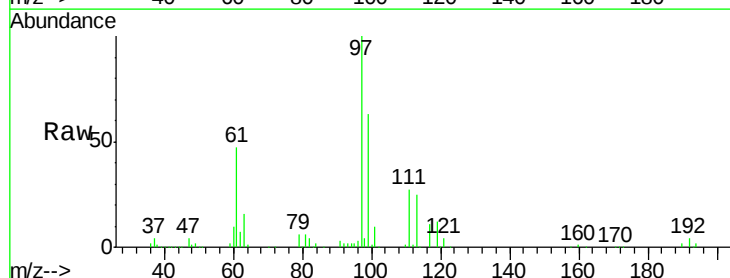
RT: 7.53 min Scan# 1800

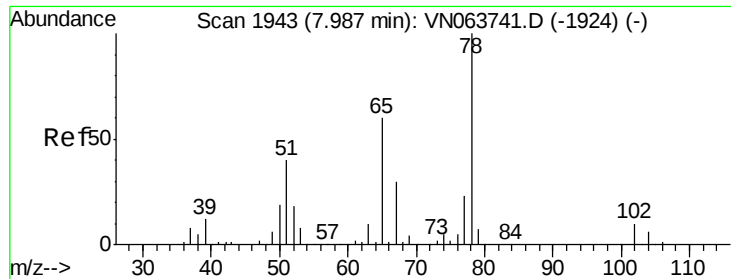
Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	97	Resp:	275442
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.0	76.6
61	48.0	38.7	58.1





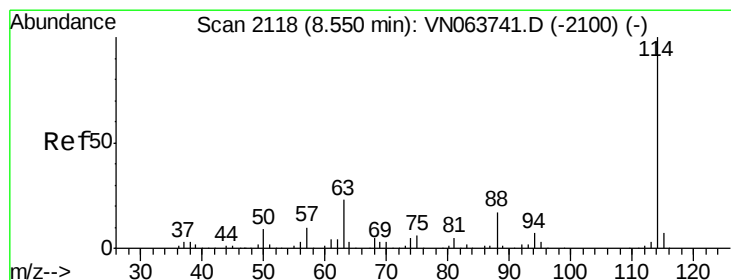
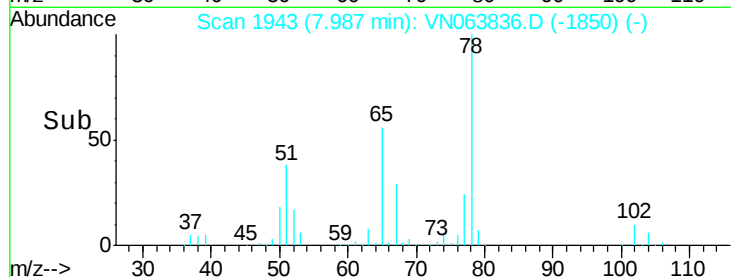
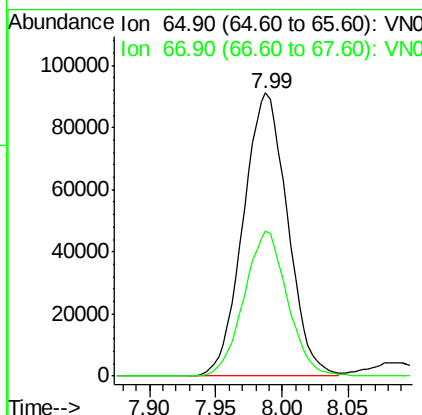
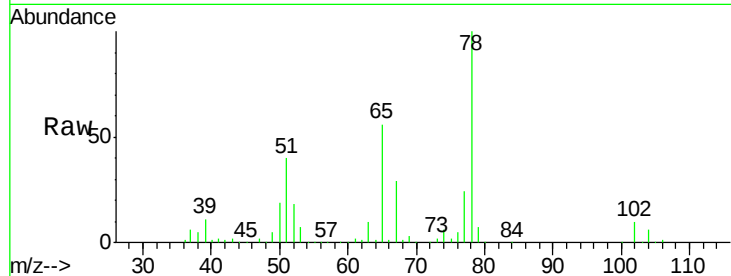
#33
 1,2-Dichloroethane-d4
 Concen: 51.803 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 212052
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.6

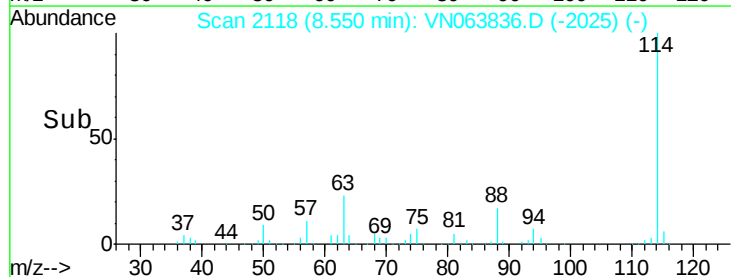
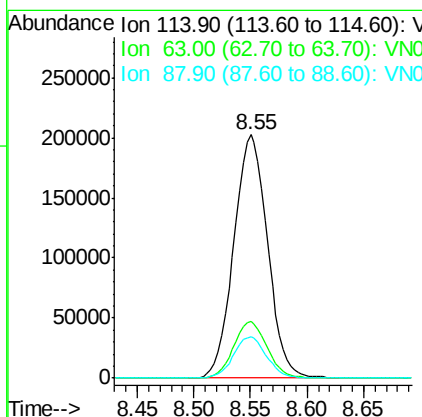
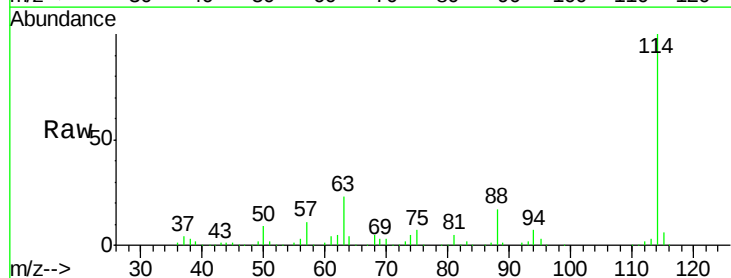
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion: 114 Resp: 421182
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 16.7 0.0 34.0





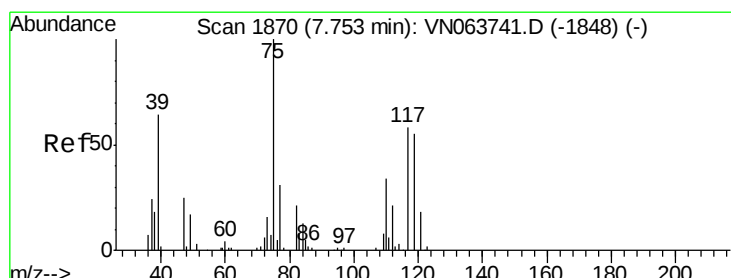
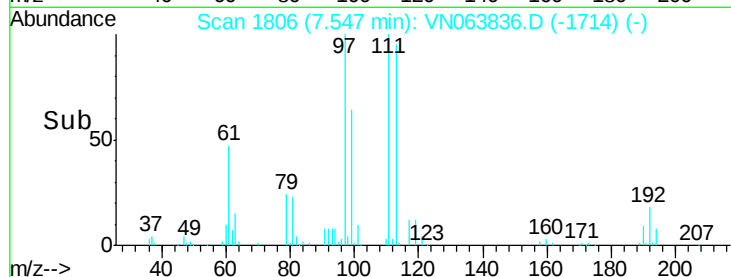
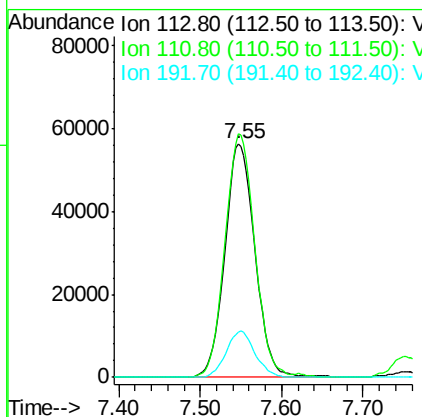
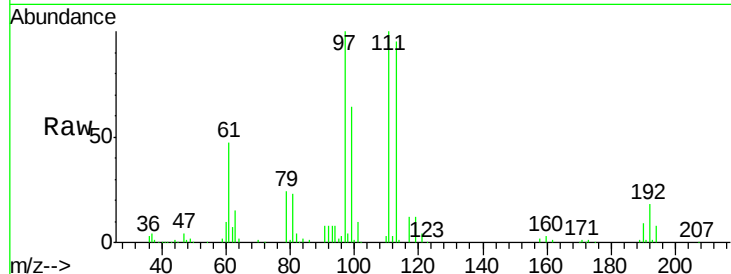
#35
Dibromofluoromethane
Concen: 49.994 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146106		
111	102.9	81.8	122.8	
192	18.8	14.2	21.2	

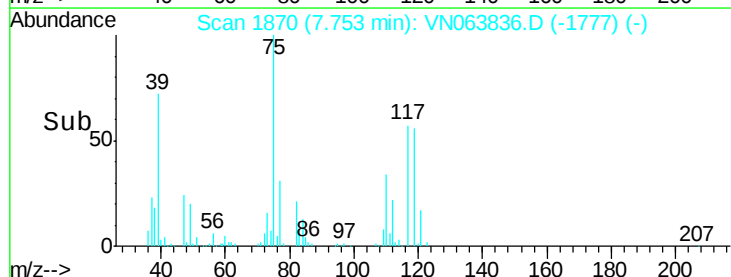
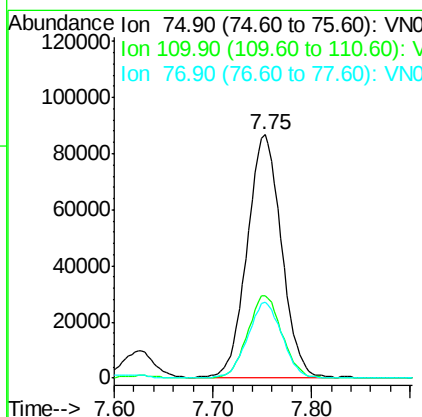
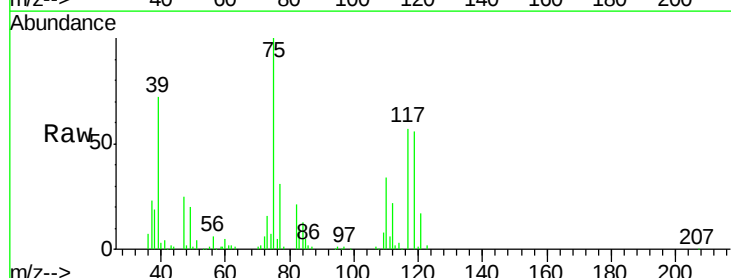
Manual Integrations
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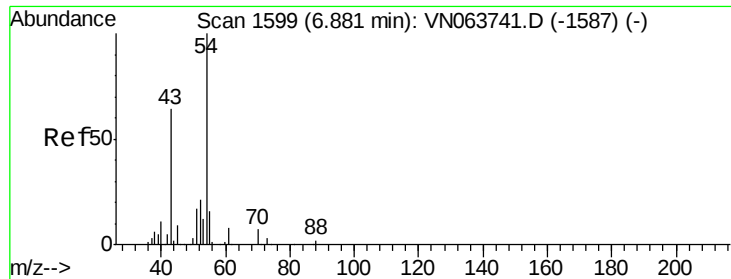
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#36
1,1-Dichloropropene
Concen: 48.626 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207488		
110	34.2	16.9	50.6	
77	31.5	24.5	36.7	





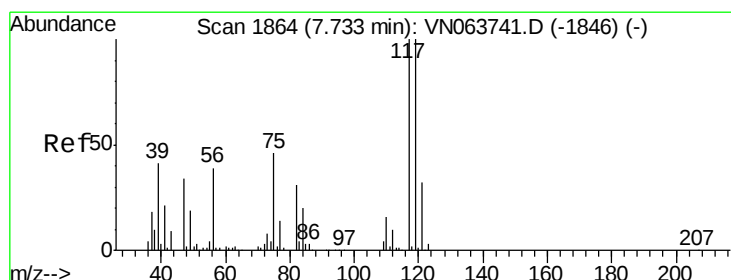
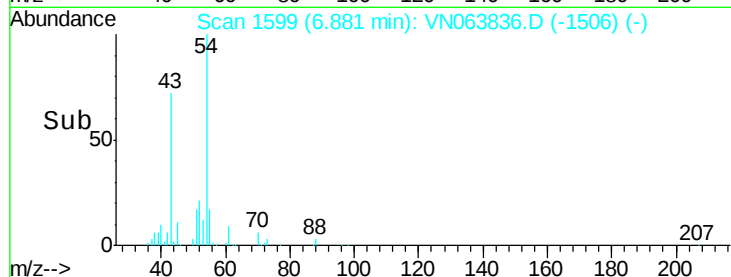
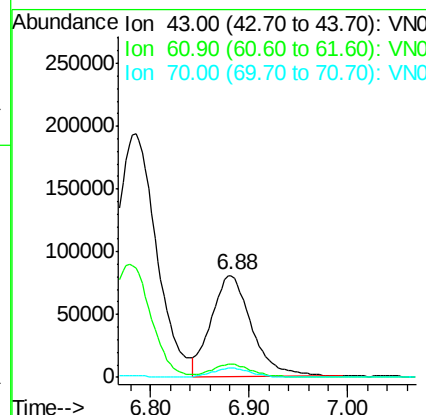
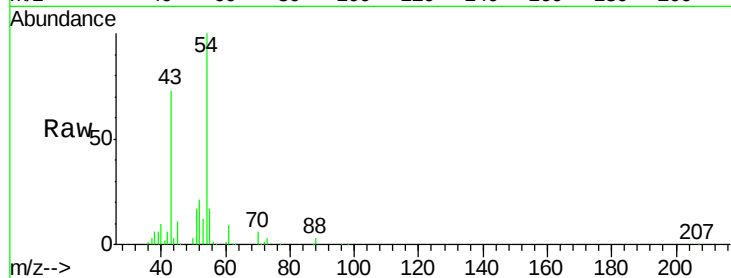
#37
Ethyl Acetate
Concen: 53.902 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	9.1	7.3	10.9

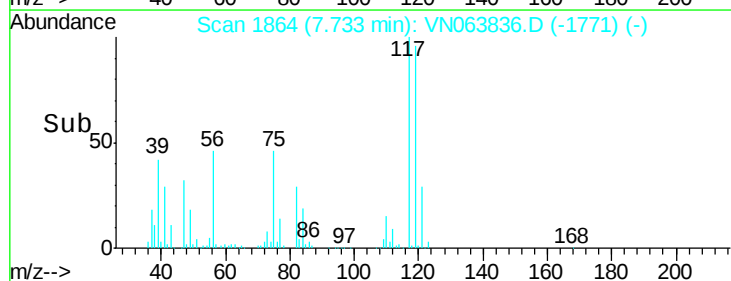
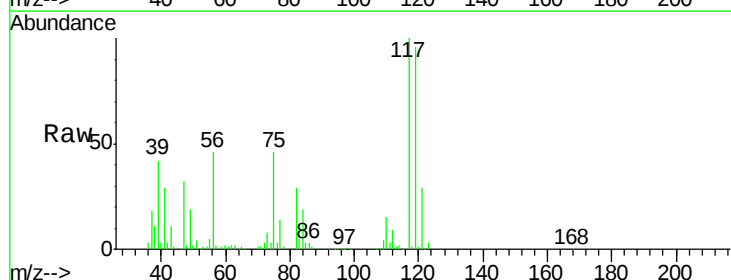
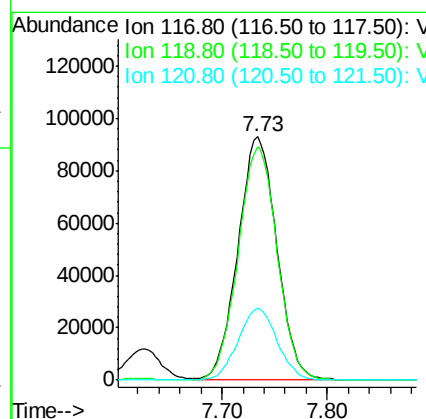
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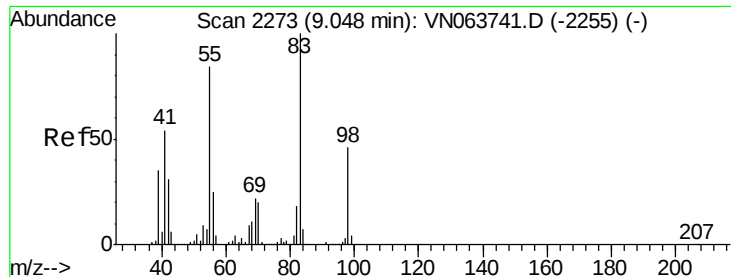
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#38
Carbon Tetrachloride
Concen: 49.641 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	80.1	120.1
121	29.5	25.7	38.5





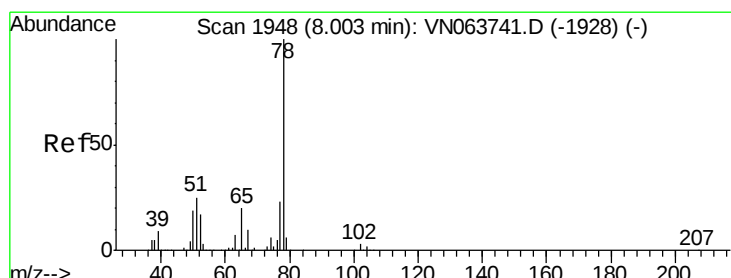
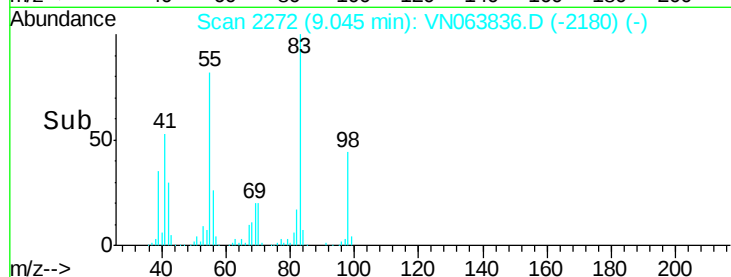
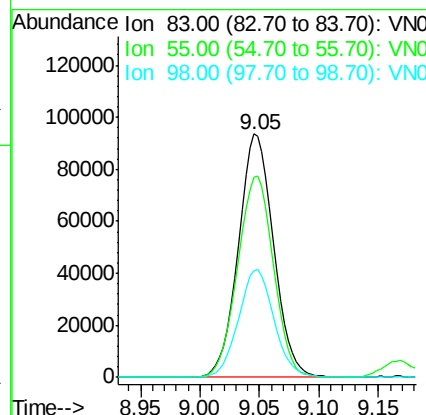
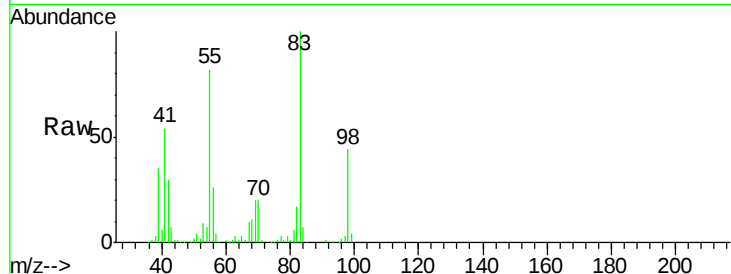
#39
Methvlcvclohexane
Concen: 45.036 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.1	100.7
98	44.0	36.6	54.8

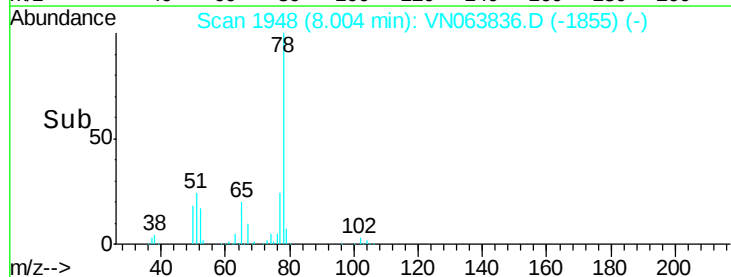
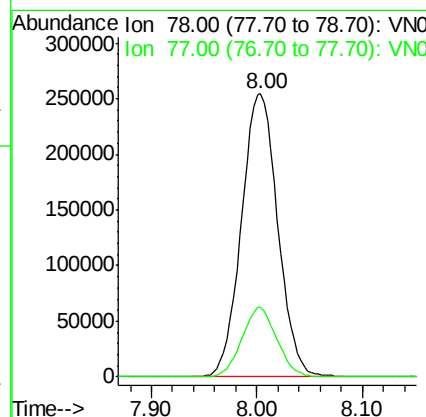
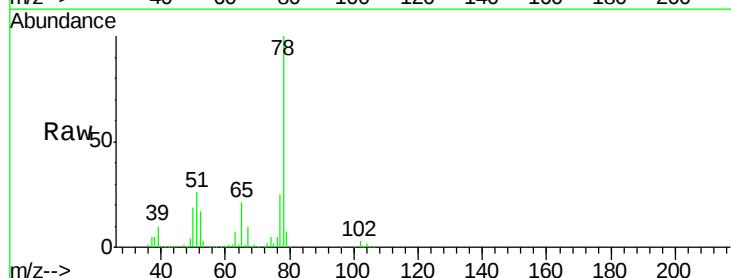
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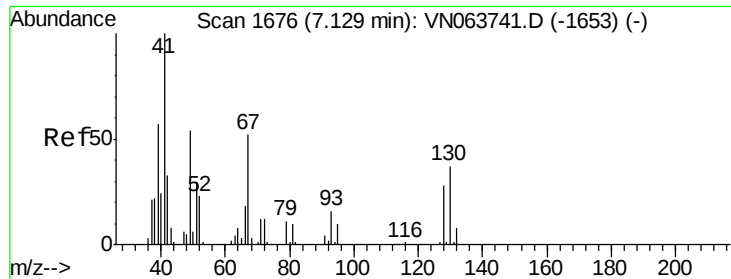
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#40
Benzene
Concen: 50.002 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





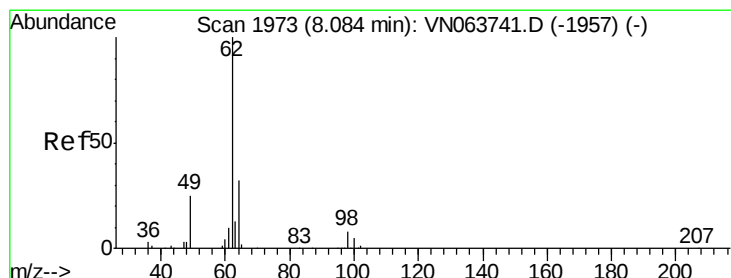
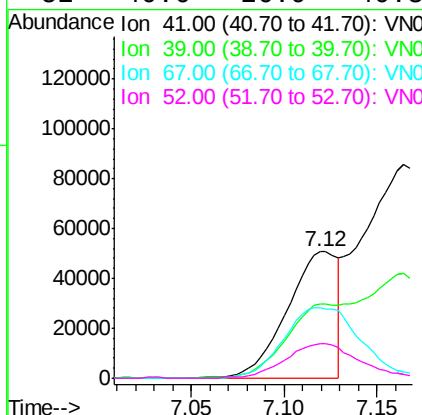
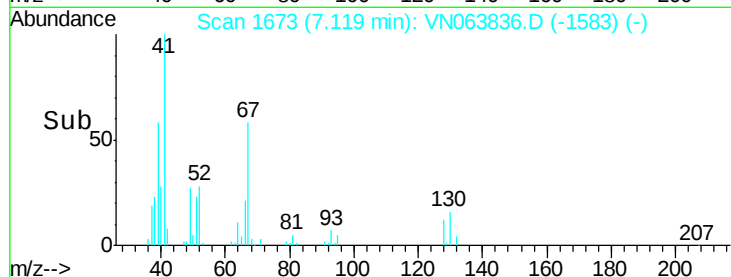
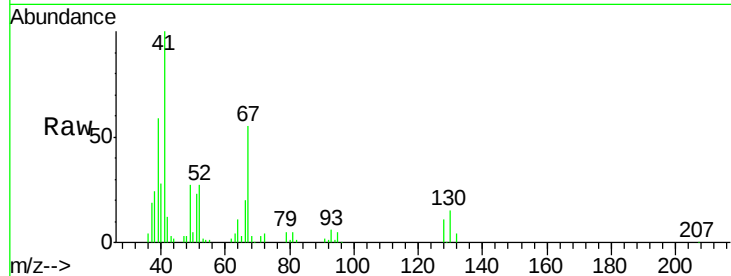
#41
Methacrylonitrile
Concen: 51.103 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	96285
Ion Ratio	Lower	Upper	
41	100		
39	53.1	42.5	63.7
67	85.5	57.4	86.2
52	40.6	26.9	40.3#

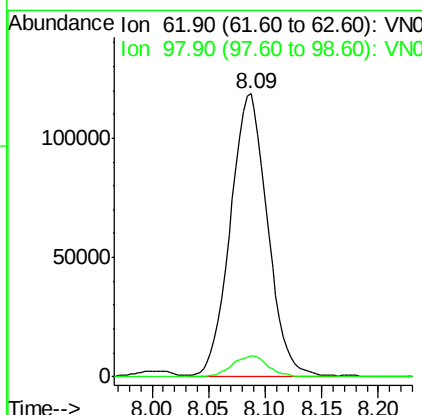
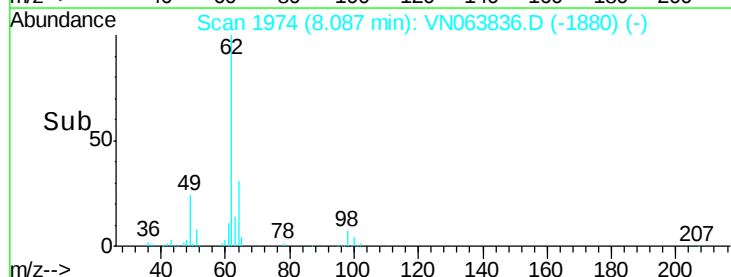
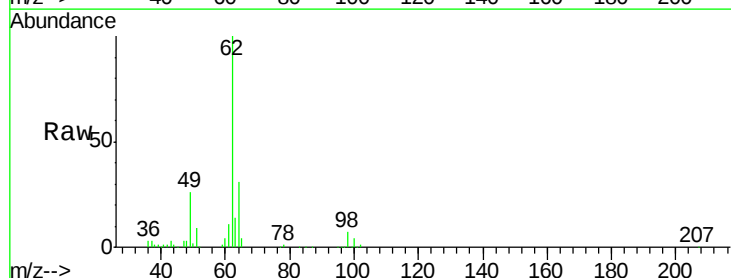
Manual Integrations
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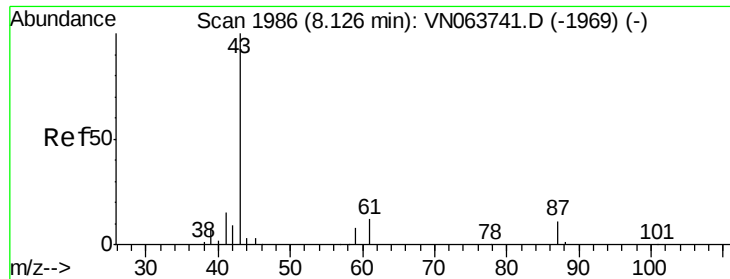
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#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	62	Resp	269664
Ion Ratio	Lower	Upper	
62	100		
98	7.4	0.0	15.0





#43

Isopropyl Acetate

Concen: 55.534 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

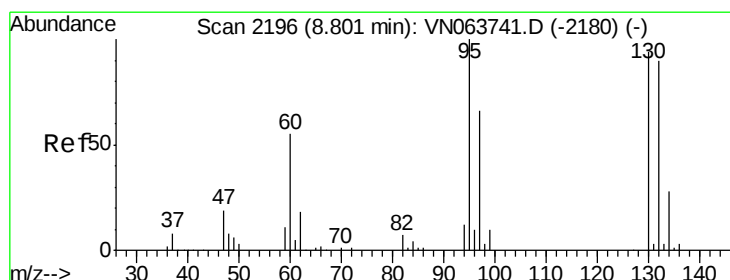
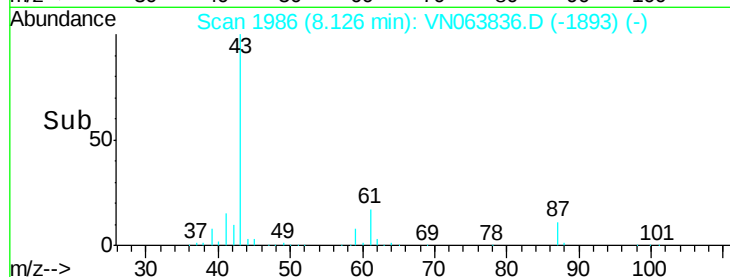
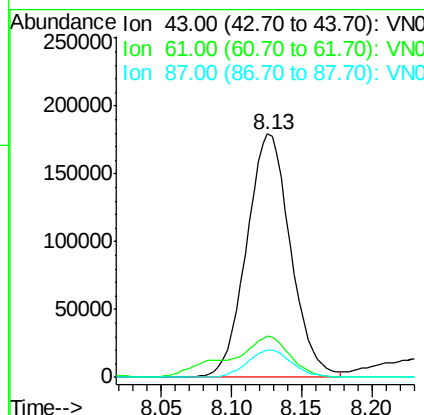
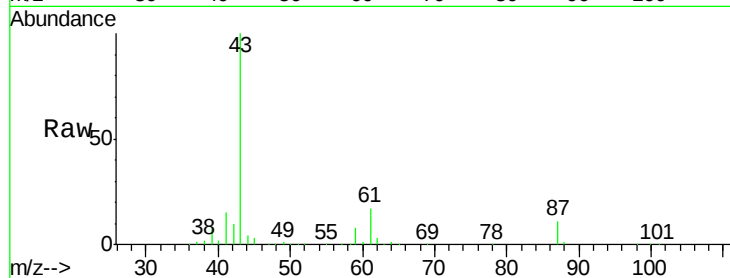
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	388324
Ion	Ratio	Lower	Upper
43	100		
61	23.3	14.2	21.4#
87	11.6	9.0	13.6

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#44

Trichloroethene

Concen: 48.009 ug/l

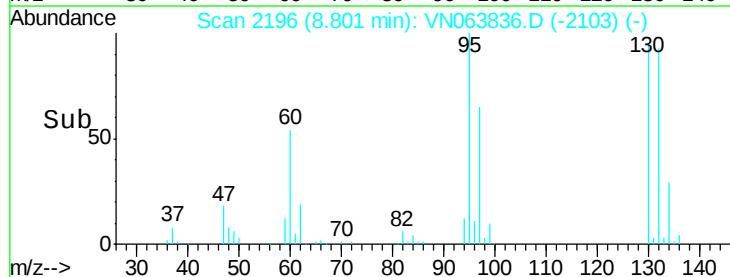
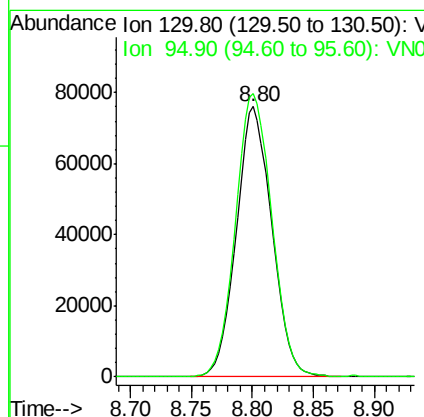
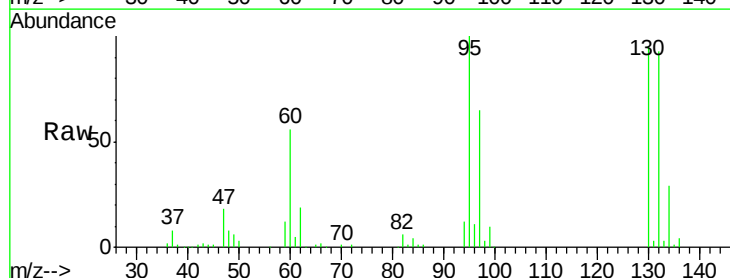
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	130	Resp:	153308
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	213.6





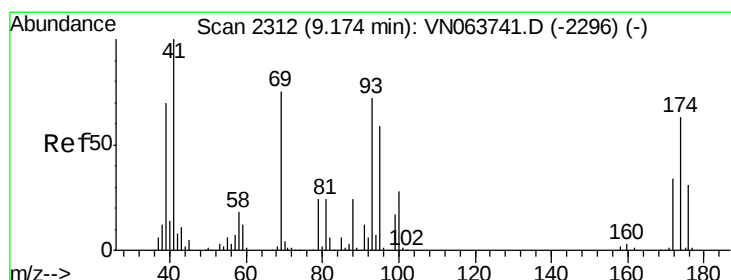
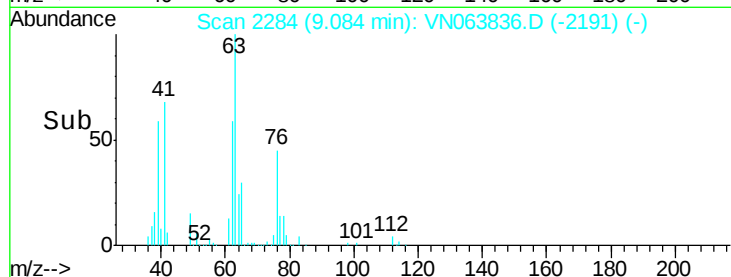
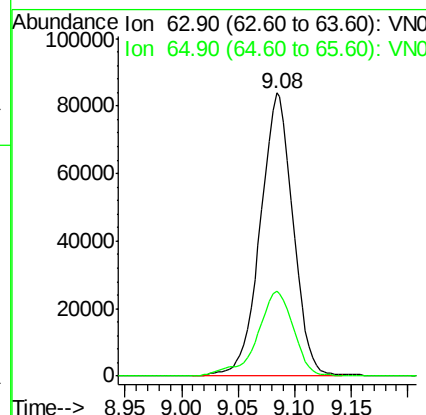
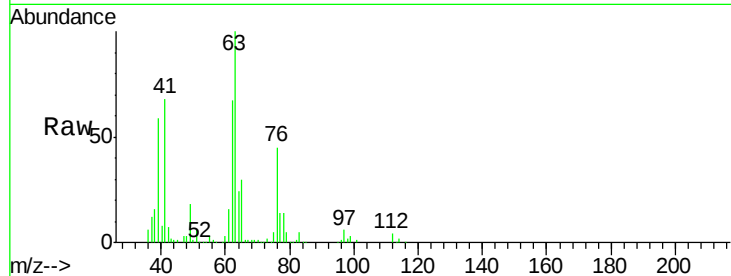
#45
 1,2-Dichloropropane
 Concen: 51.347 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 169008
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1

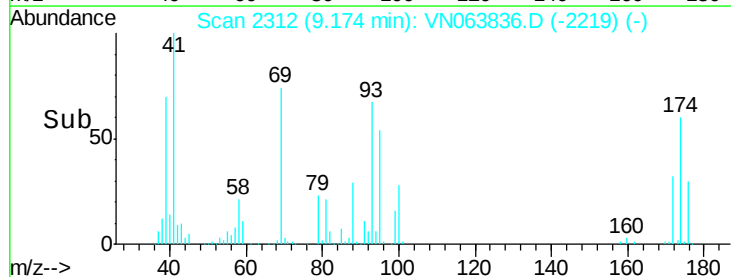
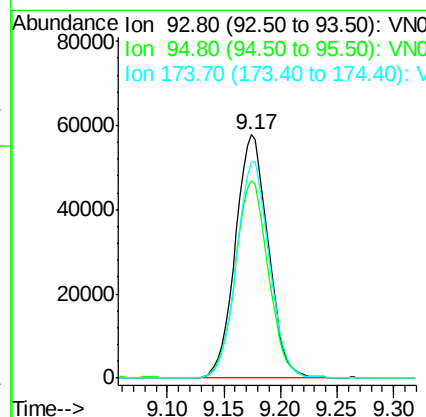
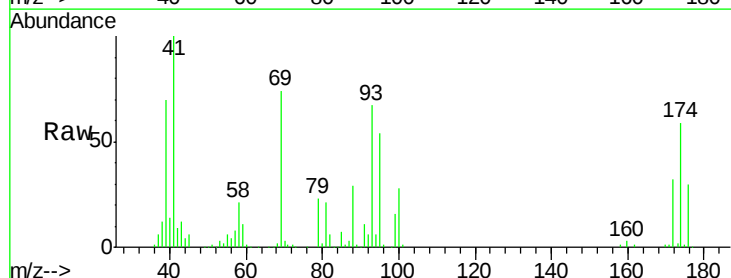
Manual Integrations
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#46
 Dibromomethane
 Concen: 51.571 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion: 93 Resp: 117098
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.3 99.5
 174 89.4 72.7 109.1





#47

Bromodichloromethane

Concen: 52.904 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 247572

Ion Ratio Lower Upper

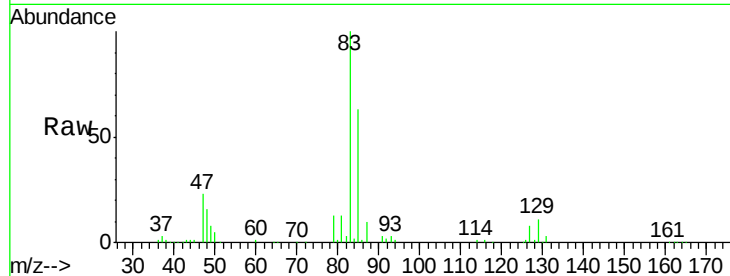
83 100

85 63.1 50.6 75.8

127 8.3 6.6 9.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

9.37

150000

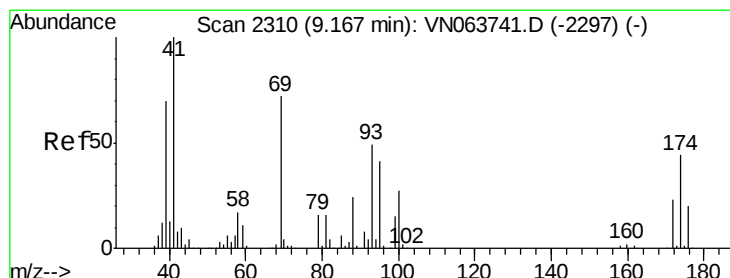
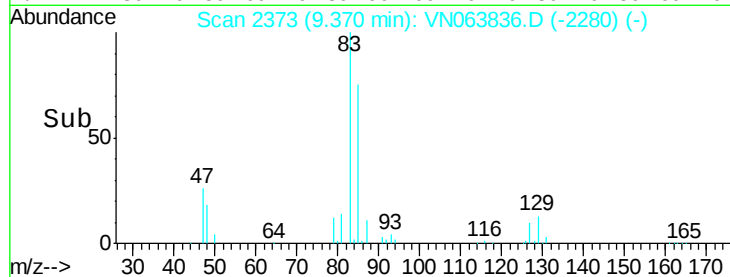
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#48

Methyl methacrylate

Concen: 57.725 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

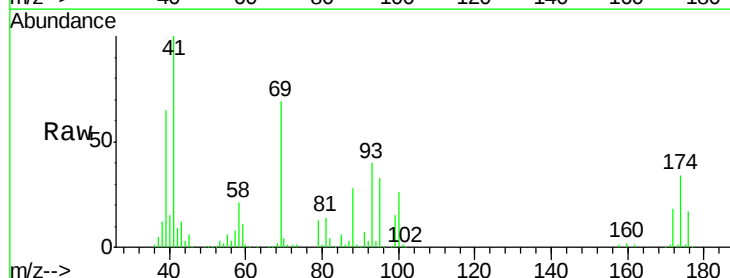
Tgt Ion: 41 Resp: 199425

Ion Ratio Lower Upper

41 100

69 72.2 60.9 91.3

39 67.7 57.5 86.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.16

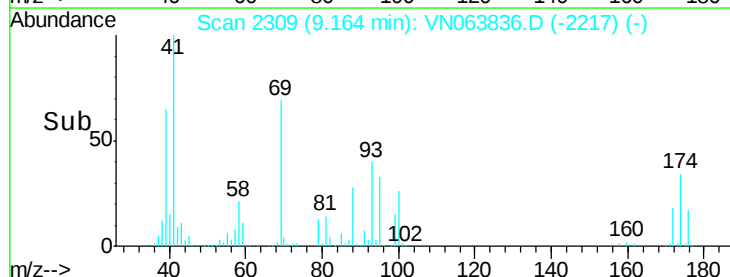
100000

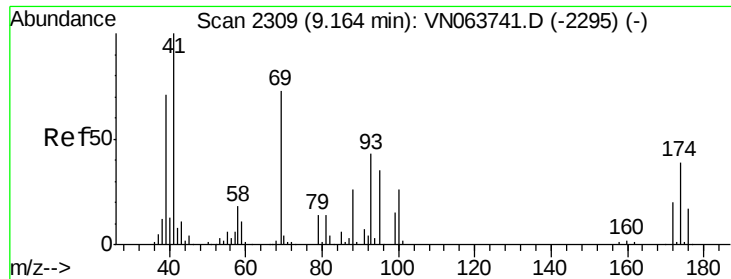
50000

0

9.10 9.15 9.20

Time-->





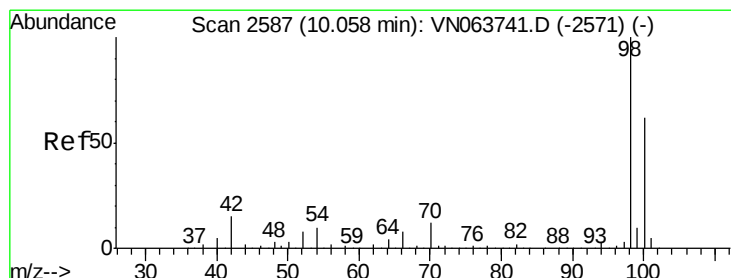
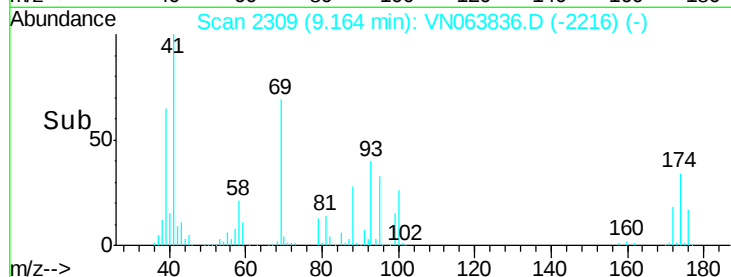
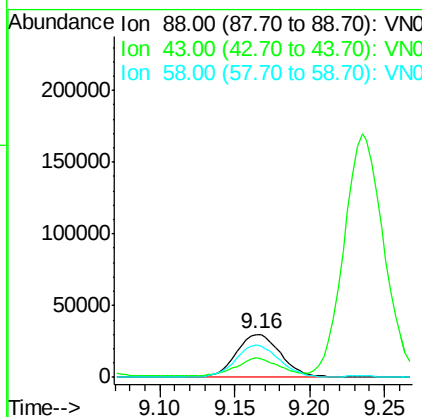
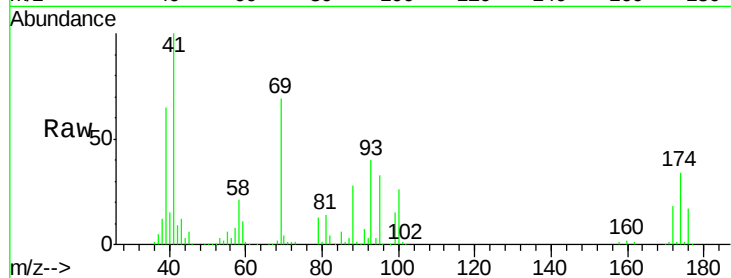
#49
1,4-Dioxane
Concen: 1272.552 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	33.1	49.7
58	74.5	58.9	88.3

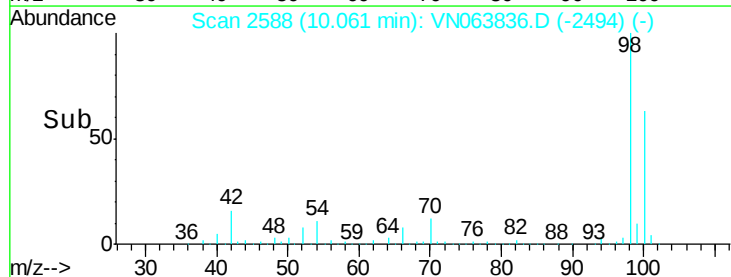
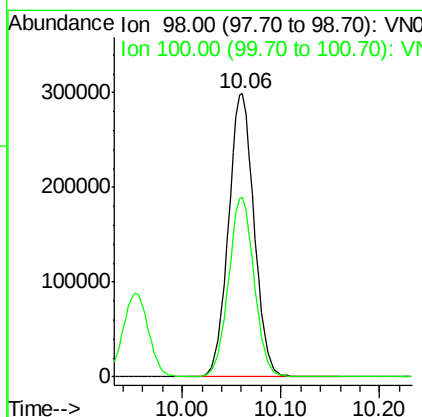
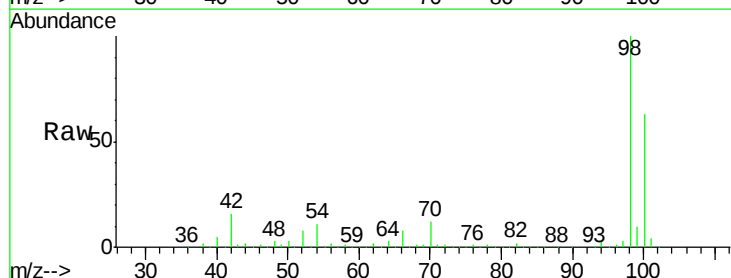
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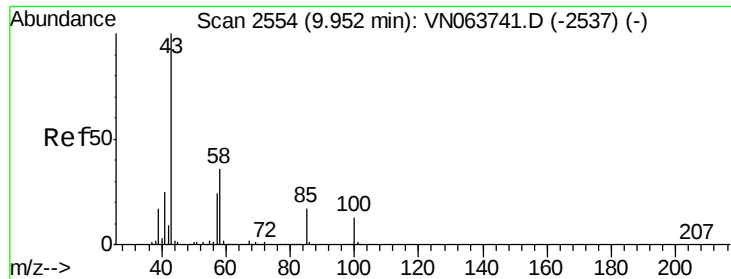
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#50
Toluene-d8
Concen: 48.996 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	49.8	74.6





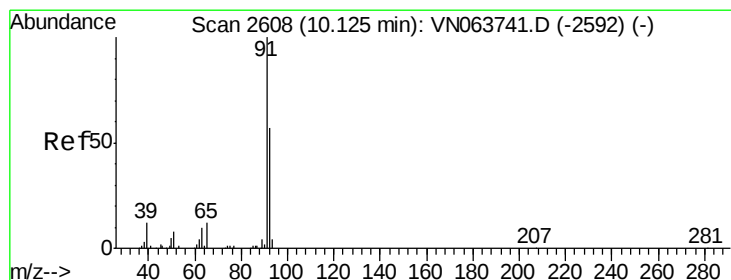
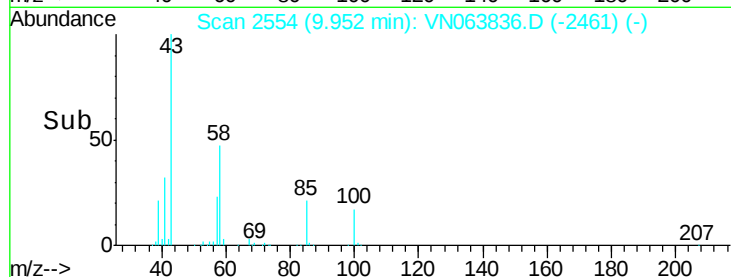
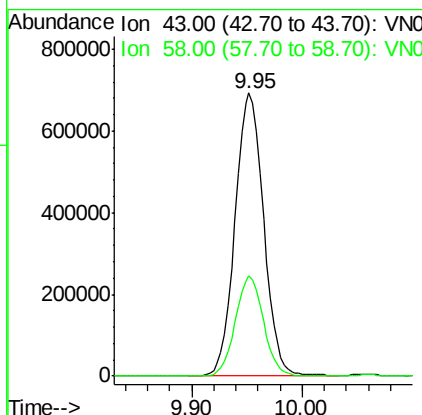
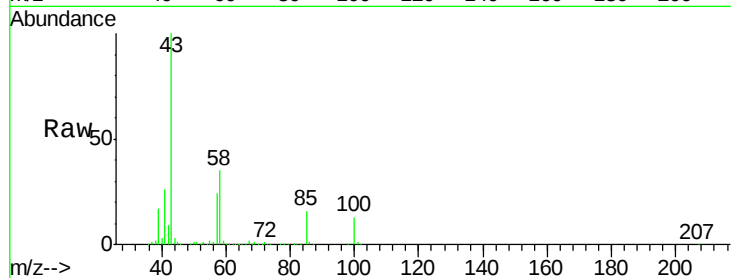
#51
4-Methyl-2-Pentanone
Concen: 301.700 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1238039
Ion Ratio Lower Upper
43 100
58 34.9 28.4 42.6

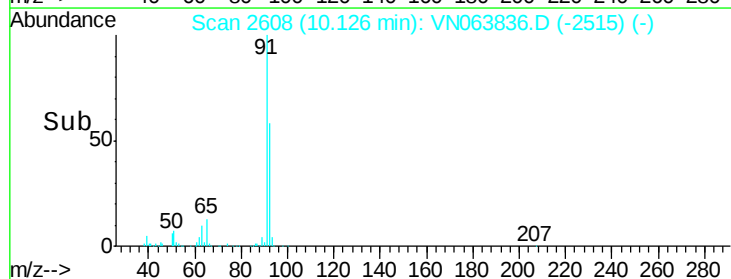
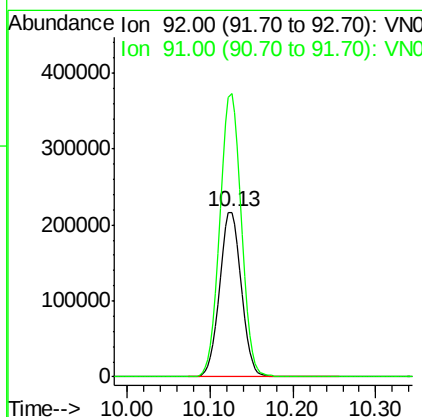
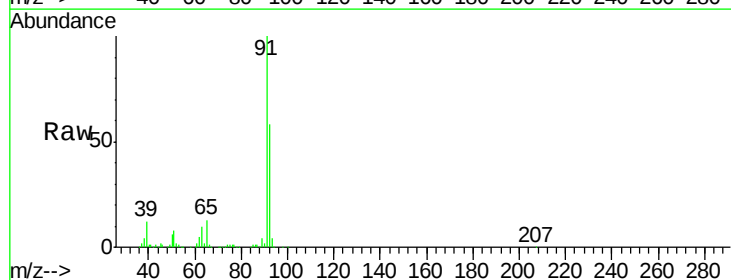
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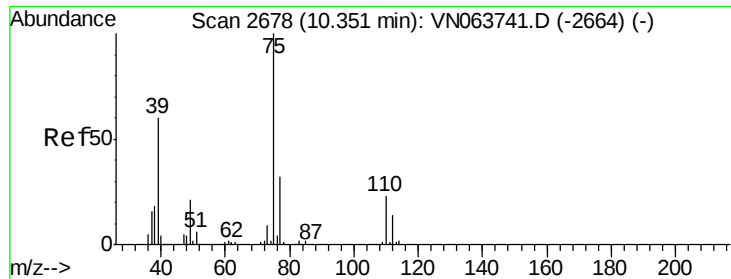
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10/5/2020 5:35:31 PM



#52
Toluene
Concen: 51.801 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion: 92 Resp: 390497
Ion Ratio Lower Upper
92 100
91 170.3 140.6 210.8





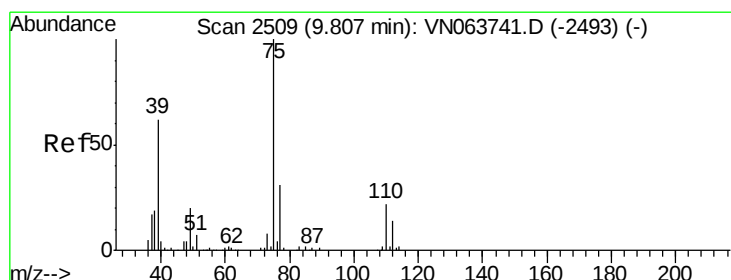
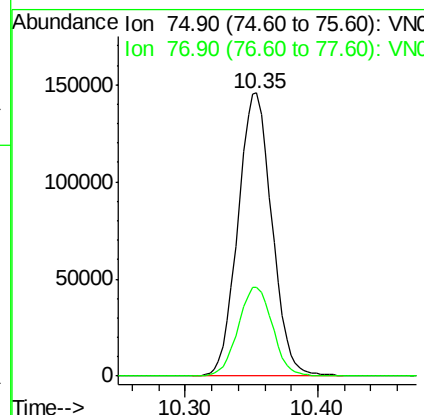
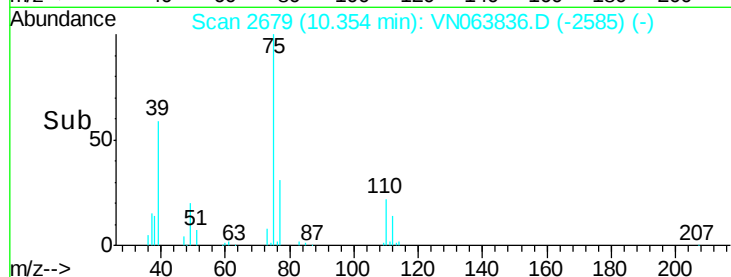
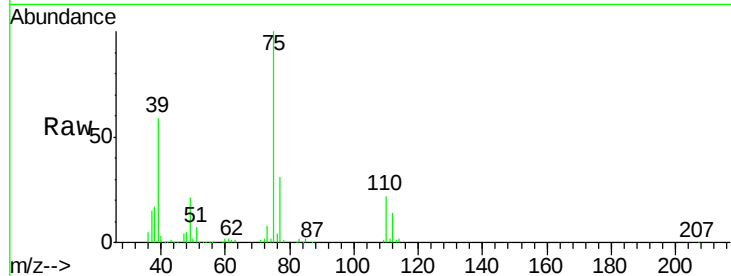
#53
t-1,3-Dichloropropene
Concen: 51.790 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 259794
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

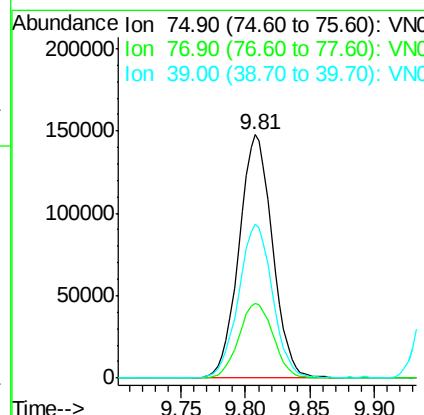
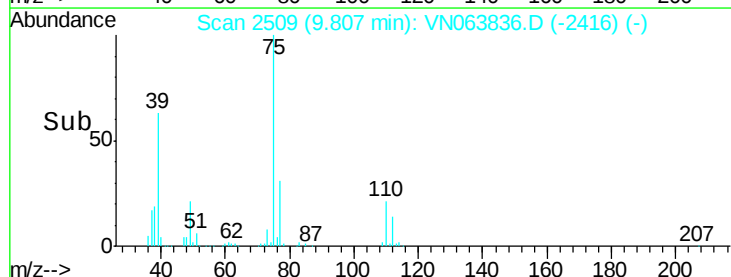
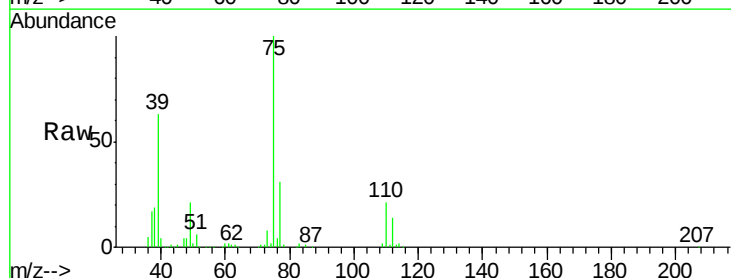
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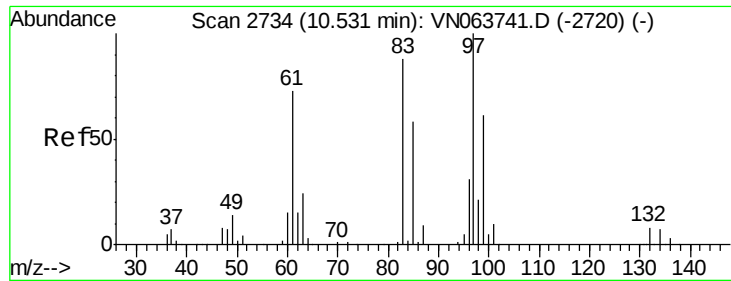
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#54
cis-1,3-Dichloropropene
Concen: 50.951 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion: 75 Resp: 267294
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 63.2 49.7 74.5





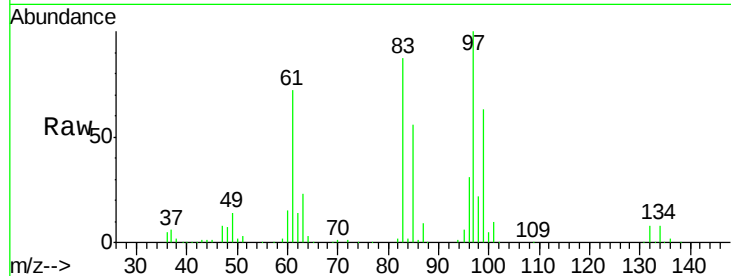
#55
 1,1,2-Trichloroethane
 Concen: 52.282 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	158057
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.7	106.1
85	55.8	46.1	69.1
99	62.6	48.8	73.2

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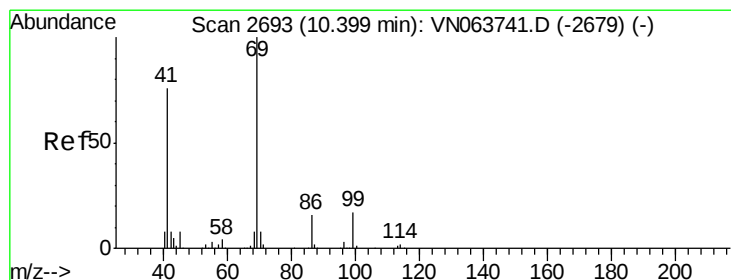
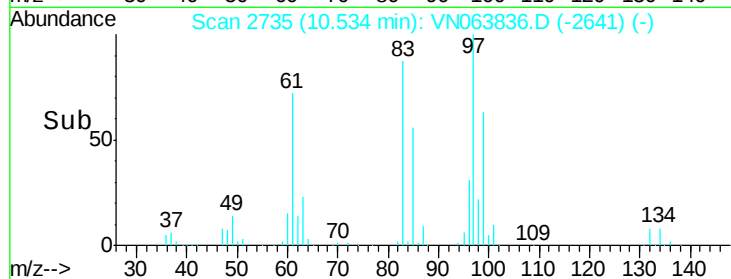
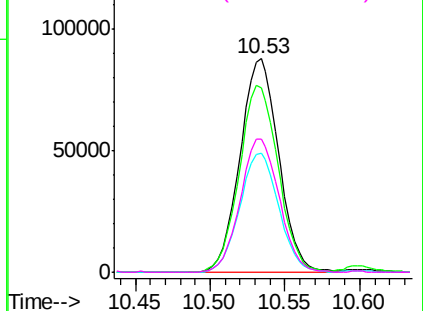


Abundance Ion 96.90 (96.60 to 97.60): VN063836.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063836.D (-2641) (-)

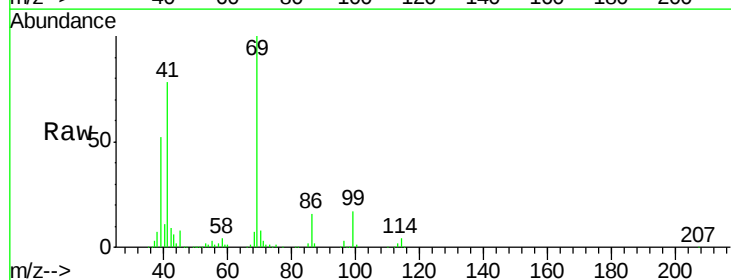
Ion 84.90 (84.60 to 85.60): VN063836.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063836.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 55.960 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

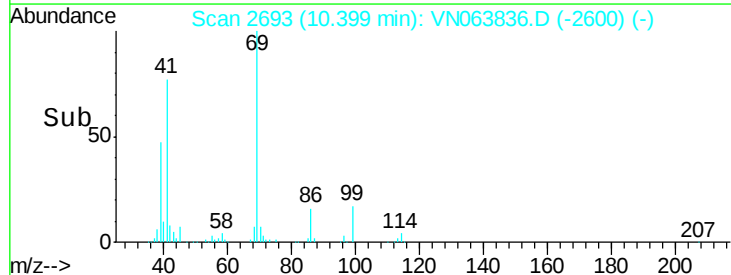
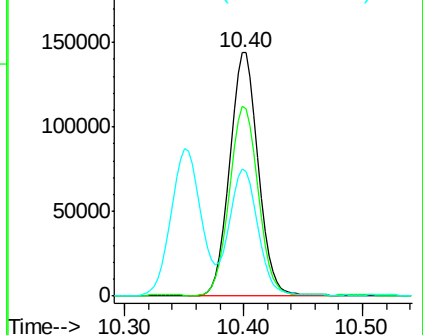
Tgt Ion:	69	Resp:	239799
Ion	Ratio	Lower	Upper
69	100		
41	78.5	61.1	91.7
39	52.4	42.2	63.4

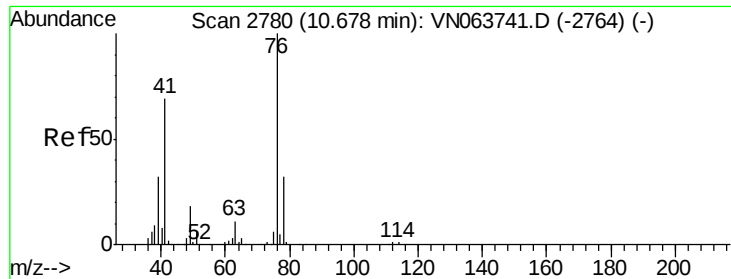


Abundance Ion 69.00 (68.70 to 69.70): VN063836.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063836.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063836.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 53.027 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 271218

Ion Ratio Lower Upper

76 100

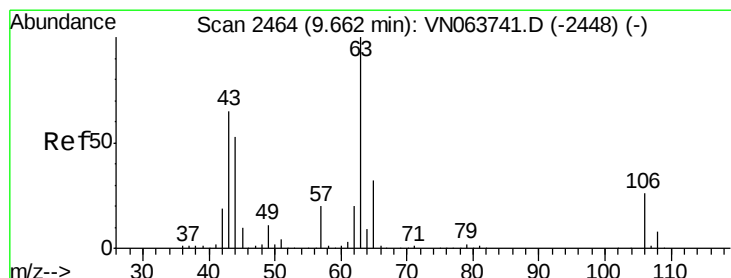
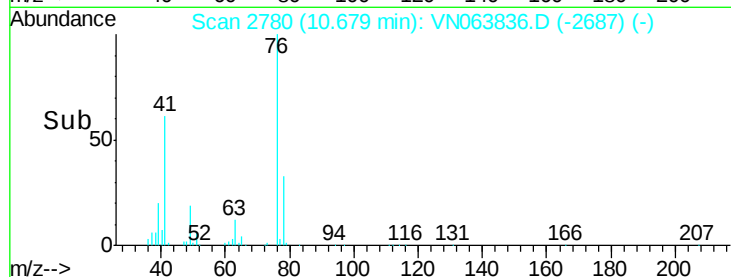
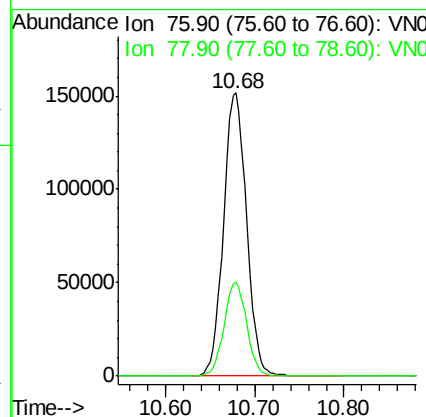
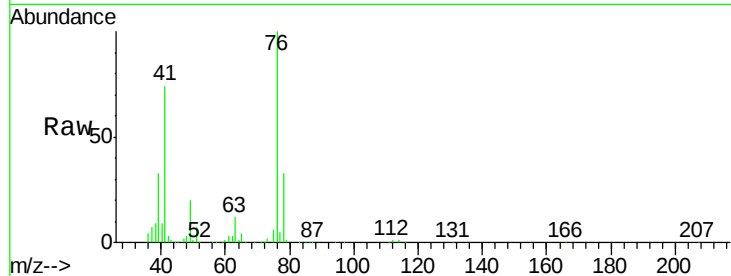
78 32.4 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 278.781 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063836.D

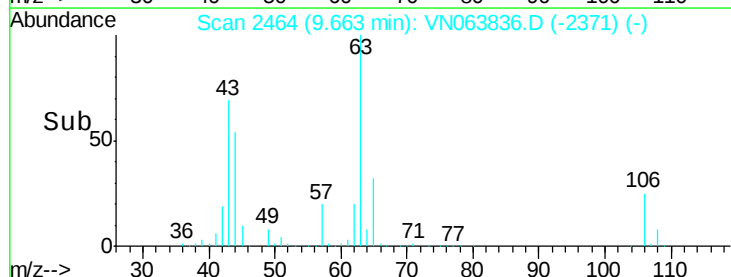
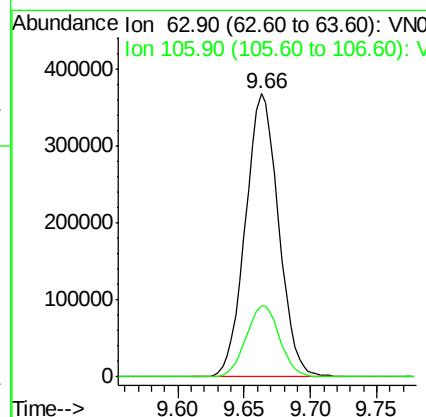
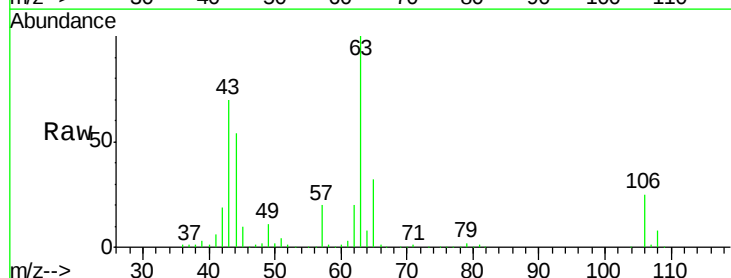
Acq: 2 Oct 2020 21:08

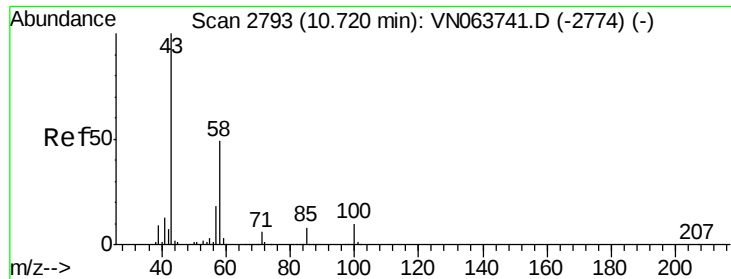
Tgt Ion: 63 Resp: 639025

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1





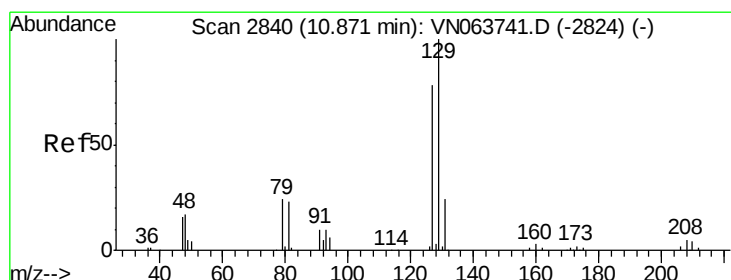
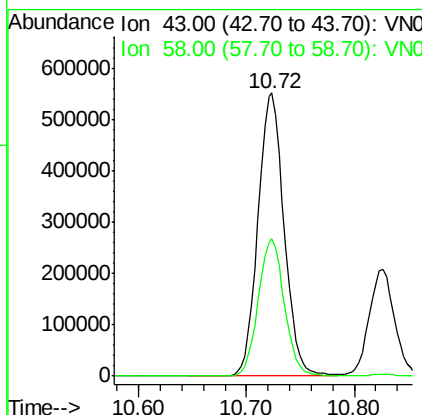
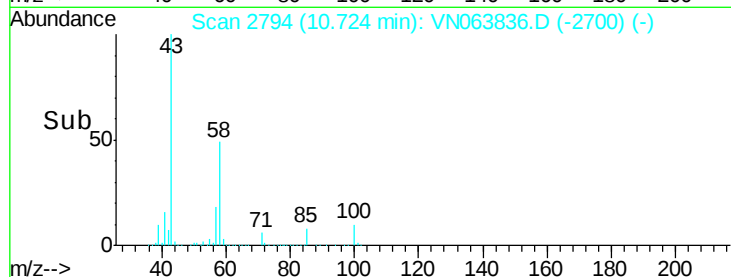
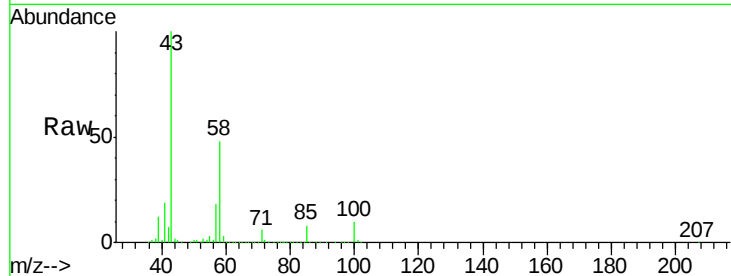
#59
2-Hexanone
Concen: 302.819 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 923105
Ion Ratio Lower Upper
43 100
58 48.5 24.6 73.8

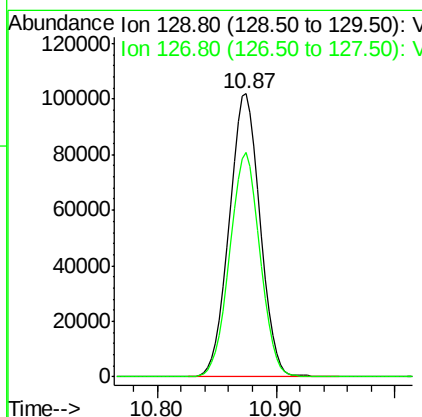
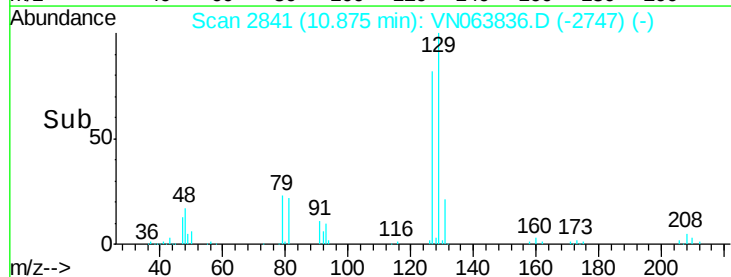
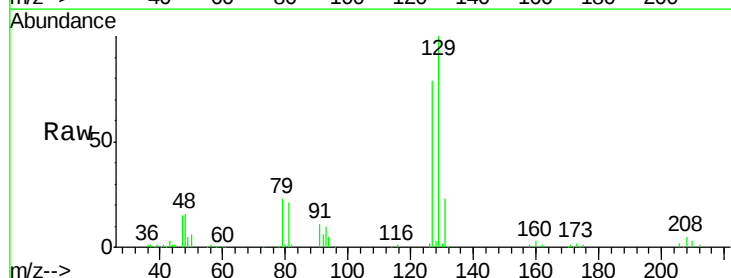
Manual Integrations
APPROVED

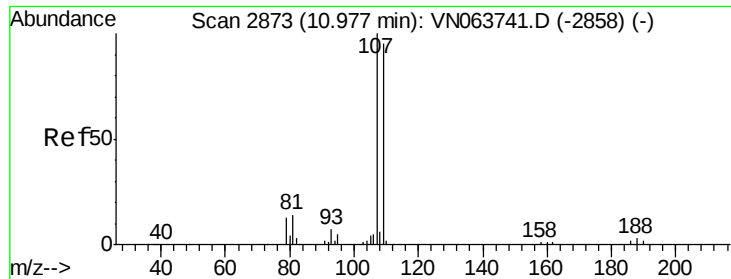
MMDadoda
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#60
Dibromochloromethane
Concen: 52.003 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion: 129 Resp: 183089
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





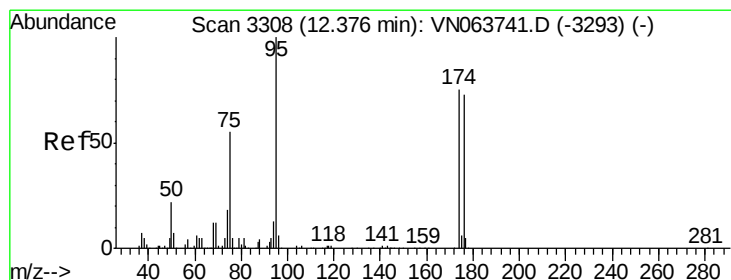
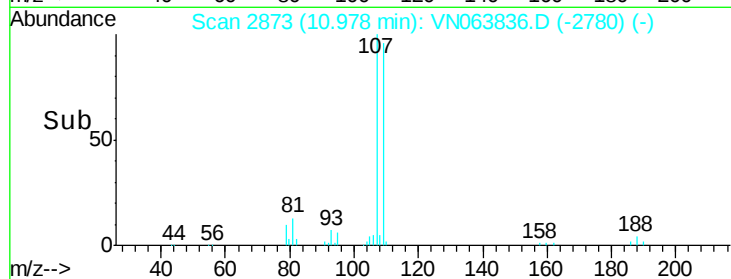
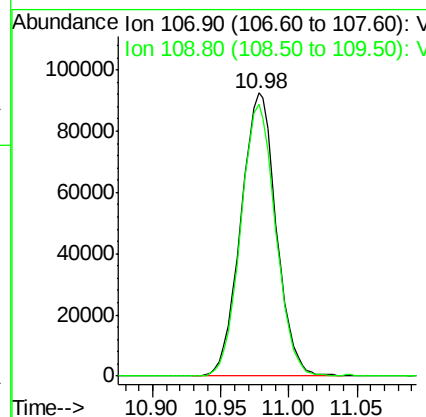
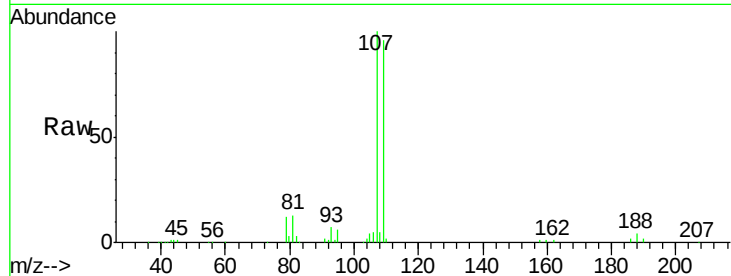
#61
 1,2-Dibromoethane
 Concen: 53.866 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.8	112.2

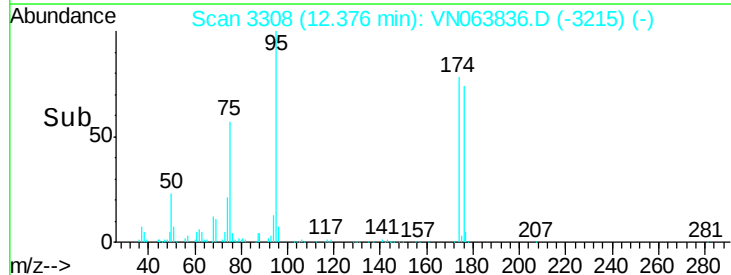
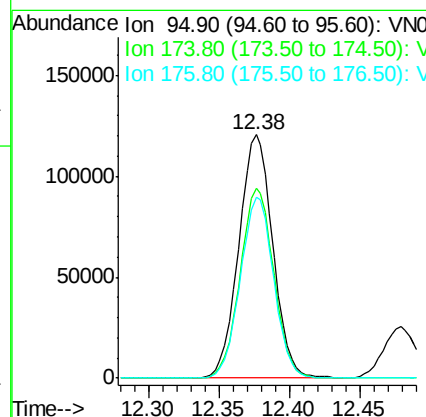
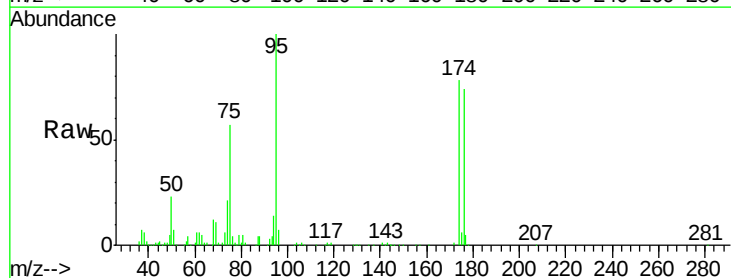
Manual Integrations
 APPROVED

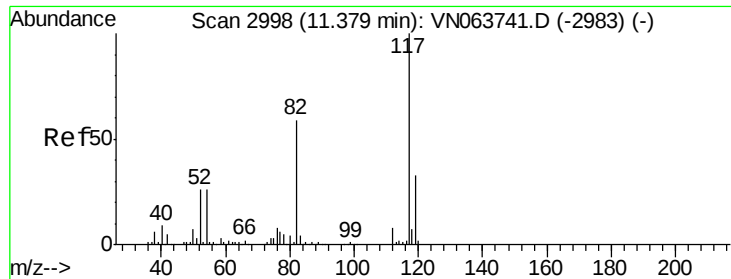
MMDadoda
 10/5/2020 5:35:31 PM



#62
 4-Bromofluorobenzene
 Concen: 48.906 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	150.6
176	73.2	0.0	145.4





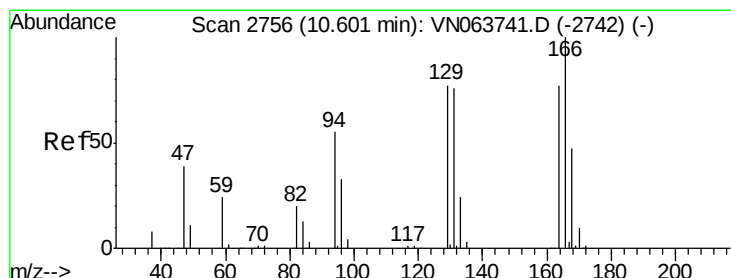
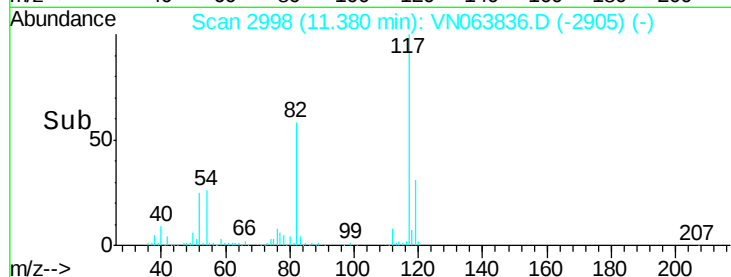
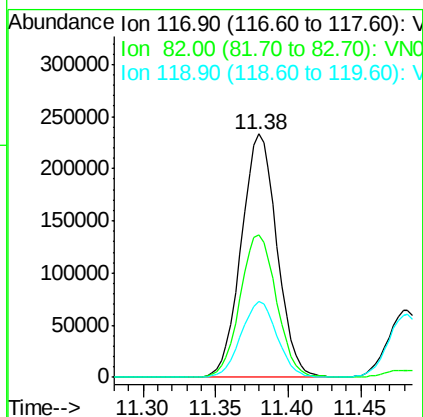
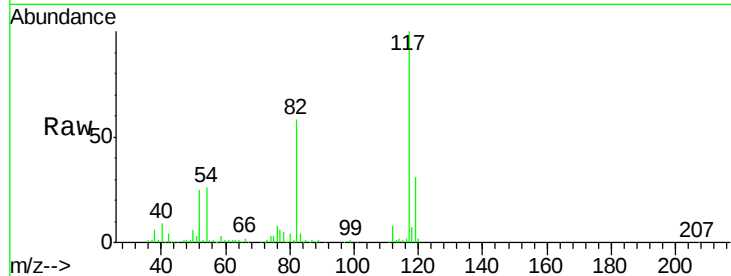
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.4	71.2
119	31.0	26.4	39.6

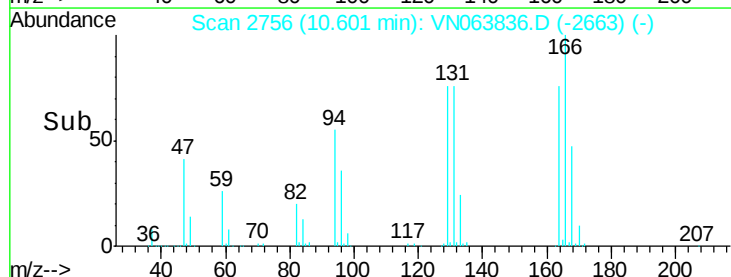
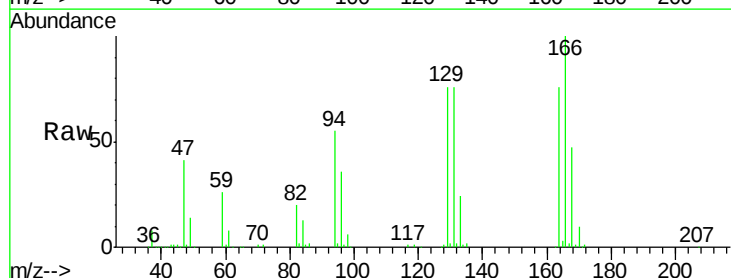
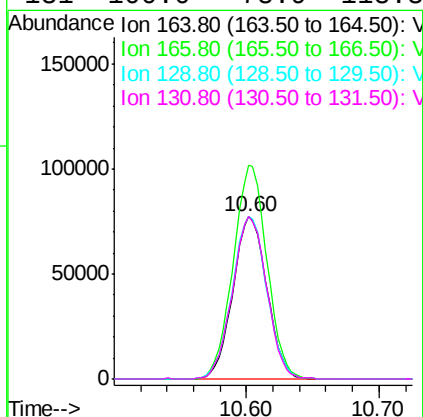
Manual Integrations
APPROVED

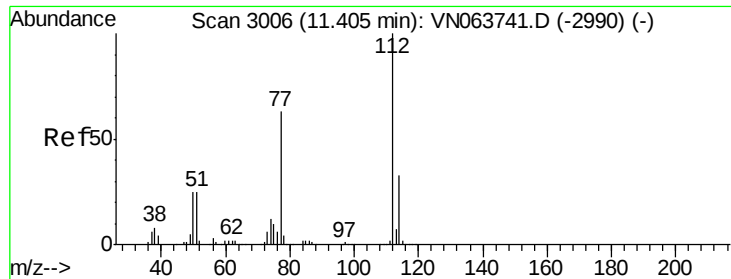
MMDadoda
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#64
Tetrachloroethene
Concen: 44.573 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	103.9	155.9
129	100.7	80.3	120.5
131	100.0	78.9	118.3





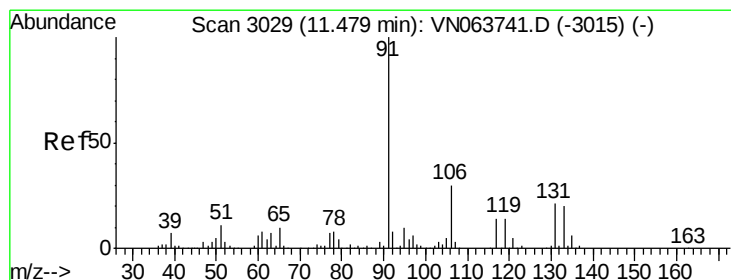
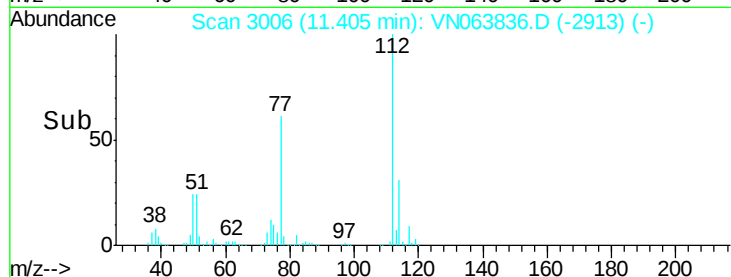
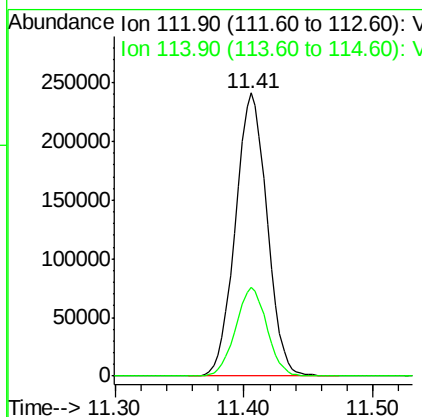
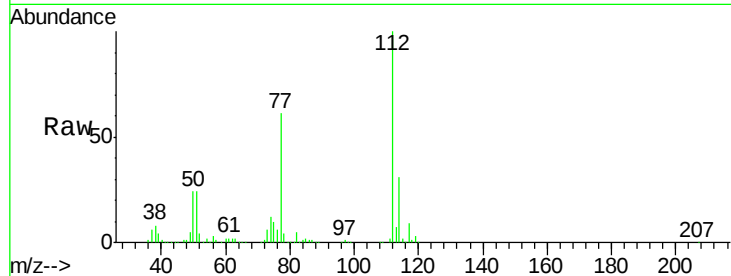
#65
Chlorobenzene
Concen: 50.271 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.1	39.1

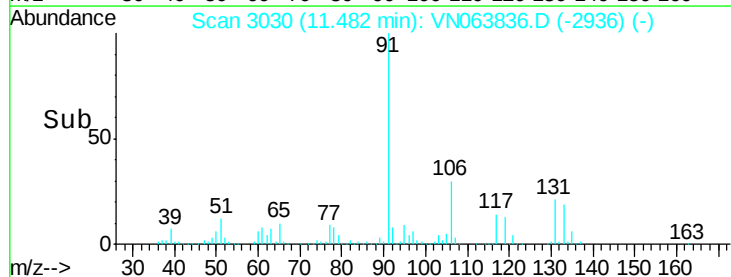
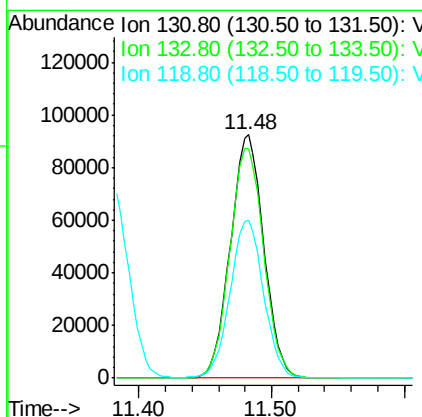
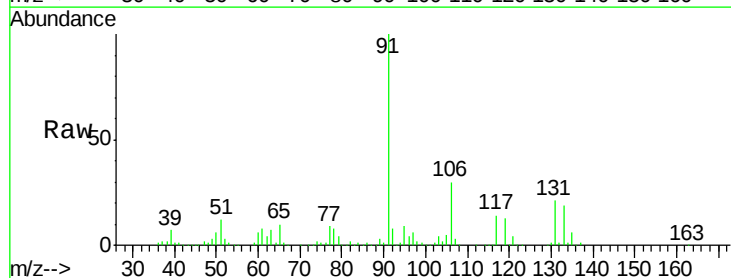
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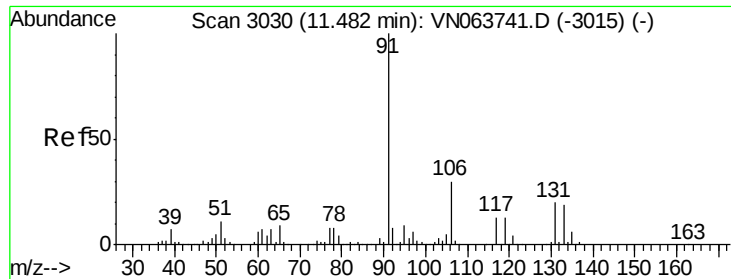
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.367 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.8
119	65.2	32.6	97.7





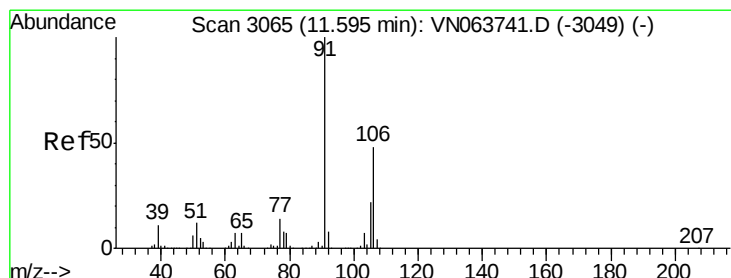
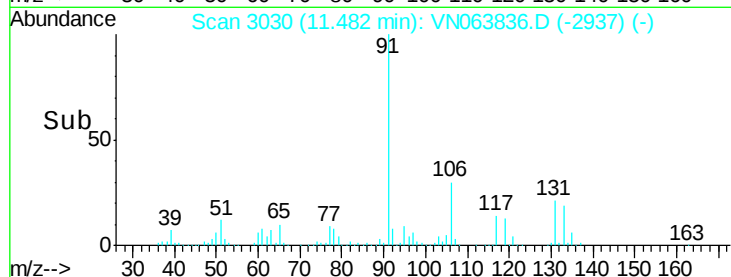
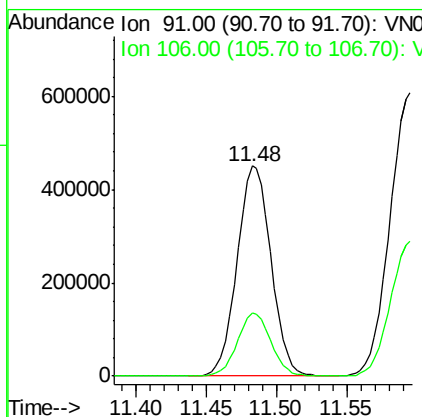
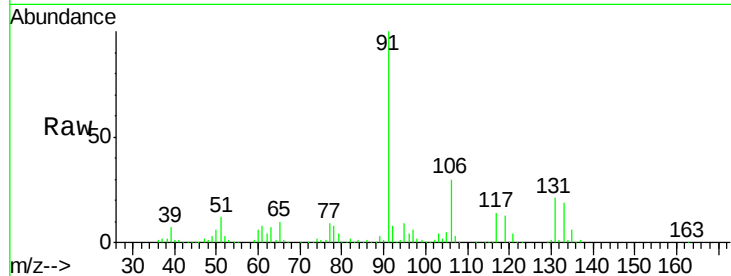
#67
Ethyl Benzene
Concen: 50.939 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 759613
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

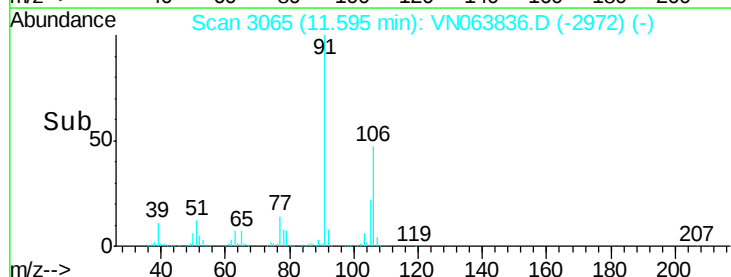
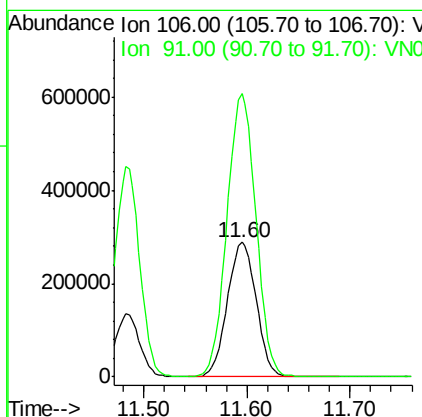
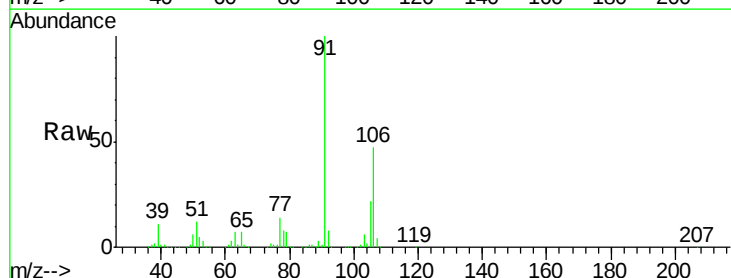
Manual Integrations
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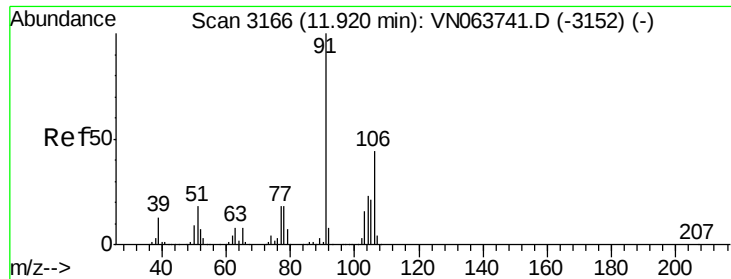
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#68
m/p-Xylenes
Concen: 101.196 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion: 106 Resp: 562422
Ion Ratio Lower Upper
106 100
91 211.3 168.0 252.0





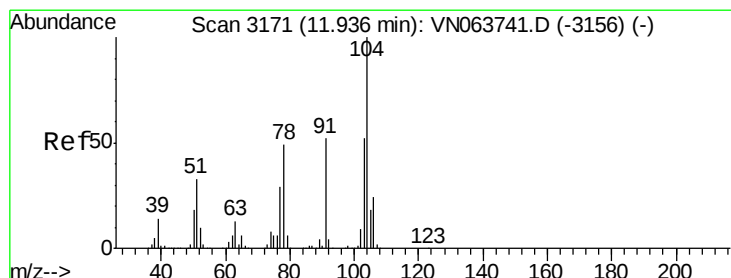
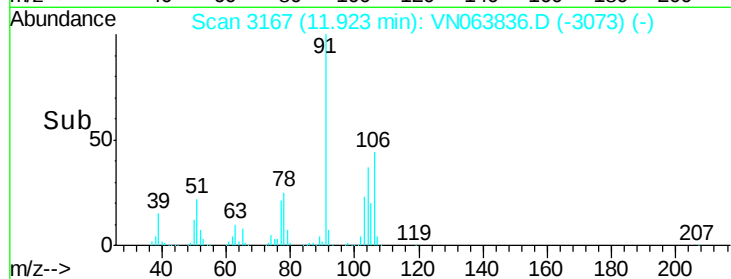
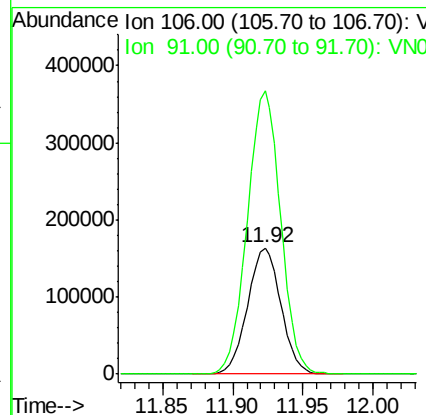
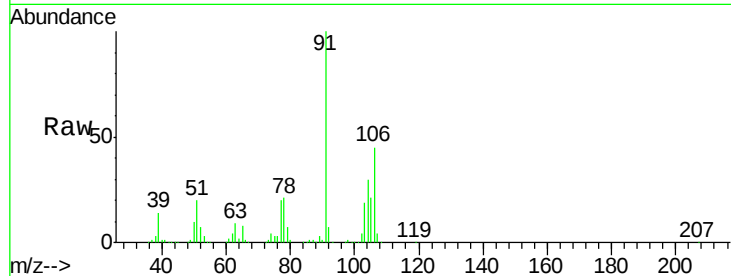
#69
o-Xylene
Concen: 52.262 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		271483		
91	223.9	112.7	338.0		

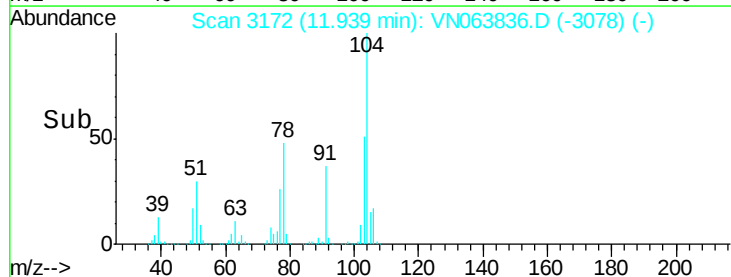
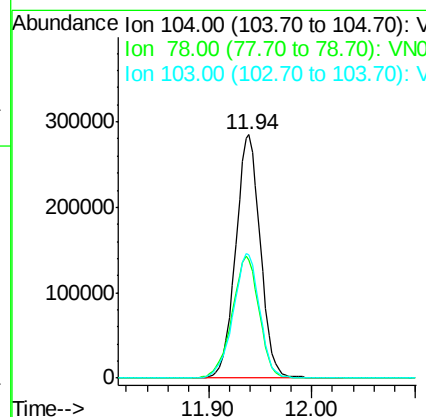
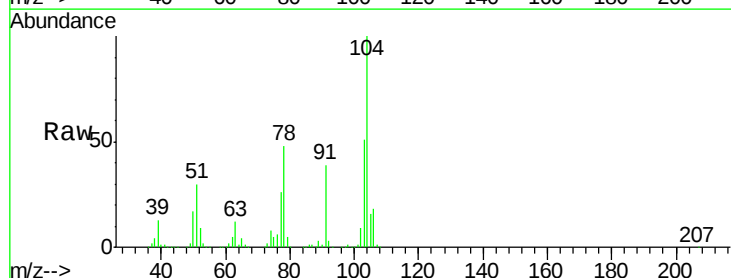
Manual Integrations
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#70
Styrene
Concen: 53.901 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		475289		
78	54.7	44.1	66.1		
103	55.0	44.3	66.5		





#71

Bromoform

Concen: 51.907 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

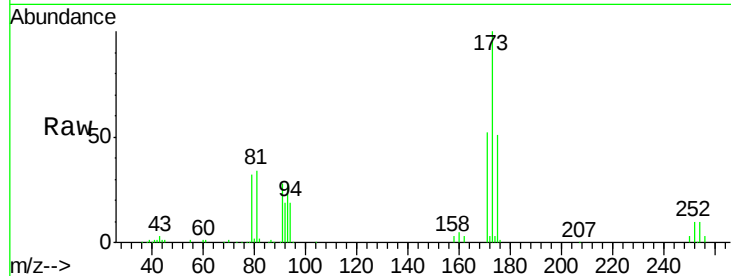
ClientSampleId :

VSTDCCC050EC

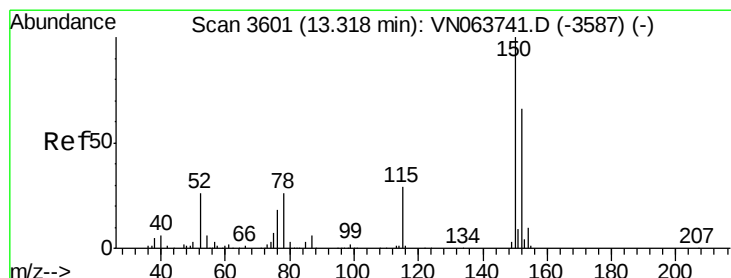
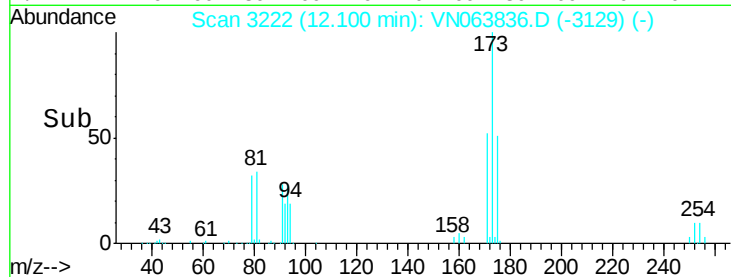
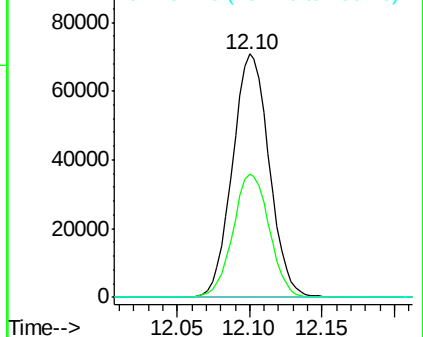
Tot Ion:	173	Resp:	124726
Ion Ratio	Lower	Upper	
173	100		
175	50.1	23.5	70.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

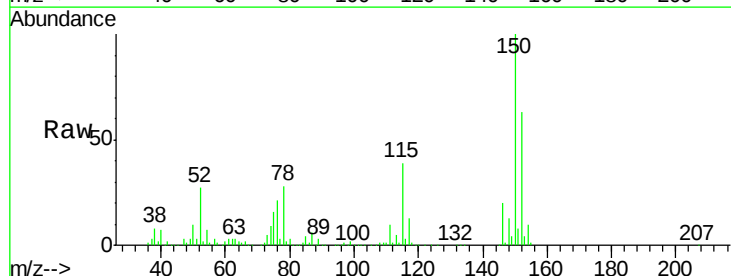
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

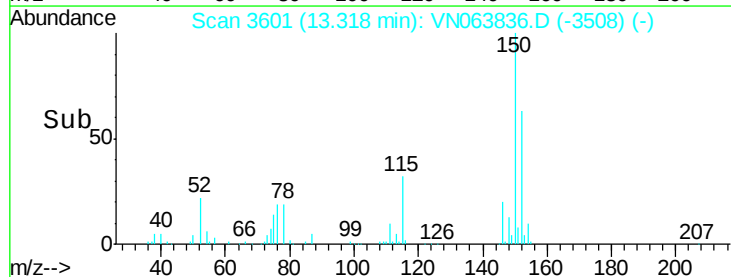
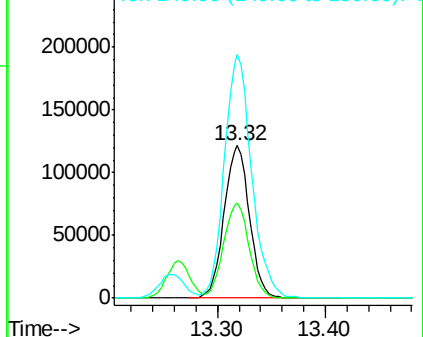
Lab File: VN063836.D

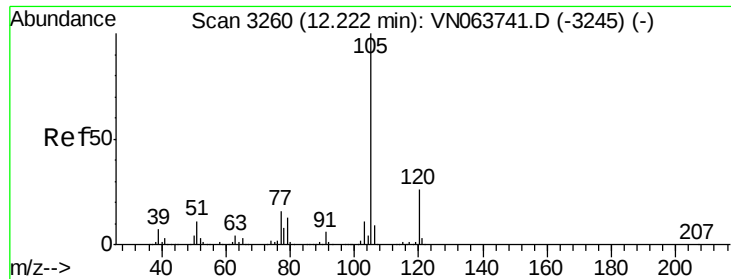
Acq: 2 Oct 2020 21:08

Tgt Ion:	152	Resp:	198200
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.3	93.8
150	171.4	0.0	341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.617 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 717297

Ion Ratio Lower Upper

105 100

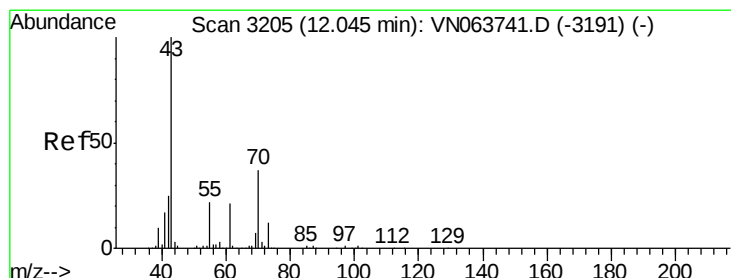
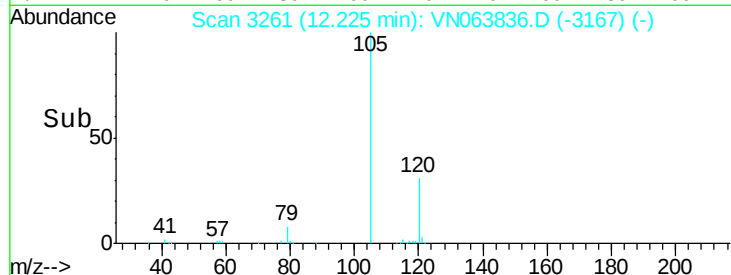
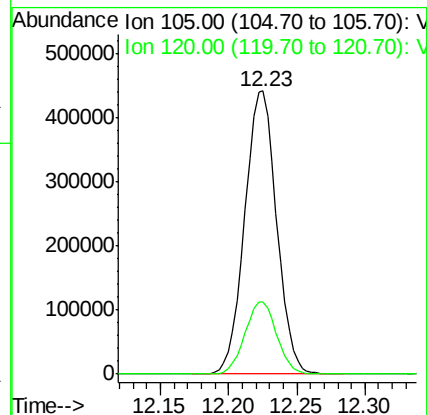
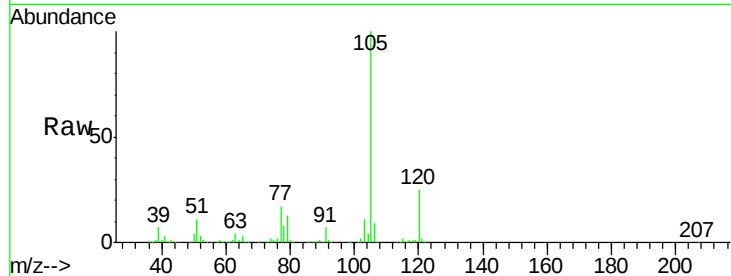
120 25.3 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.606 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion: 43 Resp: 347253

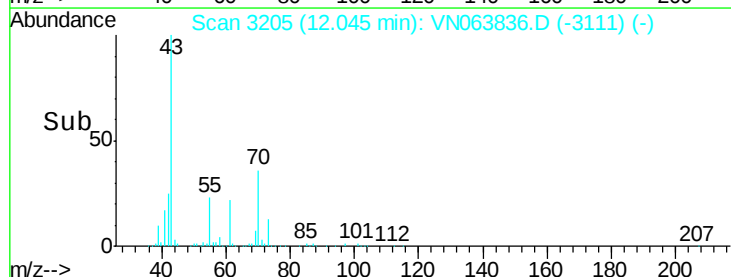
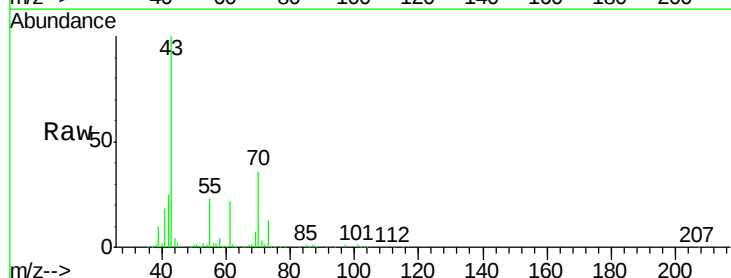
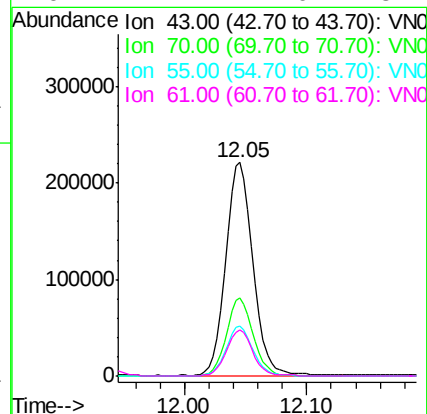
Ion Ratio Lower Upper

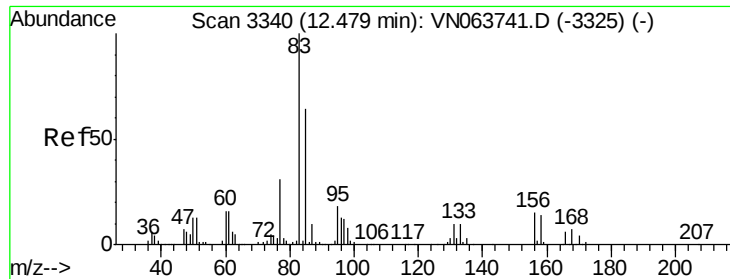
43 100

70 35.8 29.8 44.8

55 23.2 17.9 26.9

61 21.4 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.267 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 239898

Ion Ratio Lower Upper

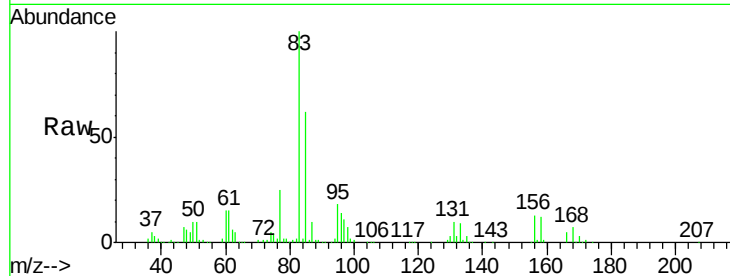
83 100

131 10.1 5.3 15.8

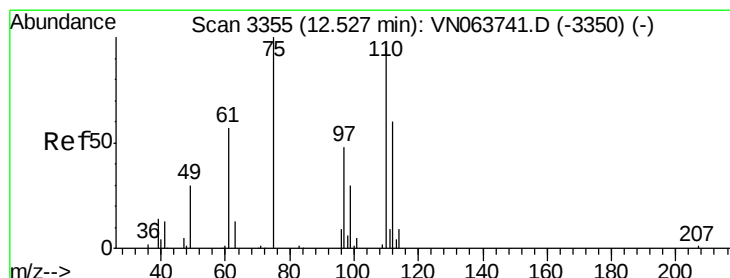
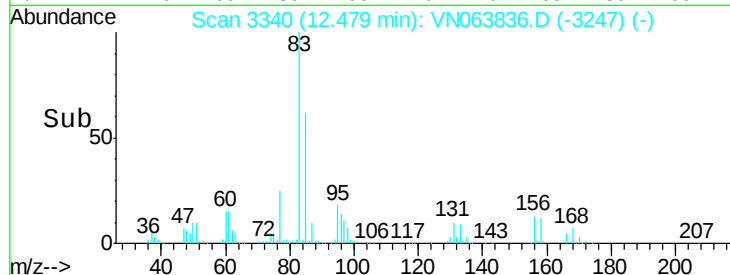
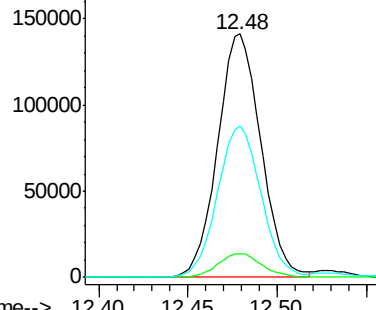
85 62.8 31.3 93.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 51.050 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063836.D

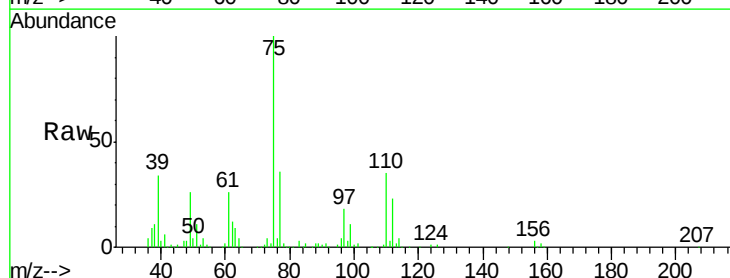
Acq: 2 Oct 2020 21:08

Tgt Ion: 75 Resp: 223041

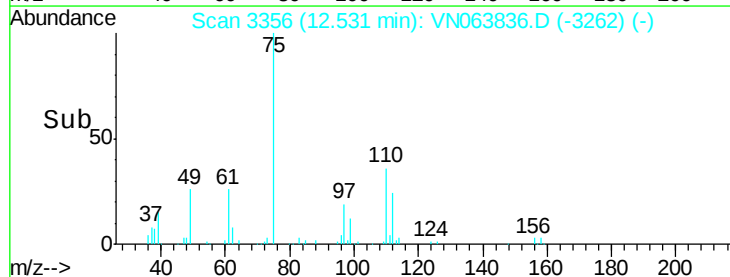
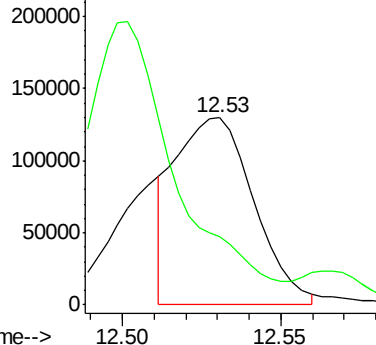
Ion Ratio Lower Upper

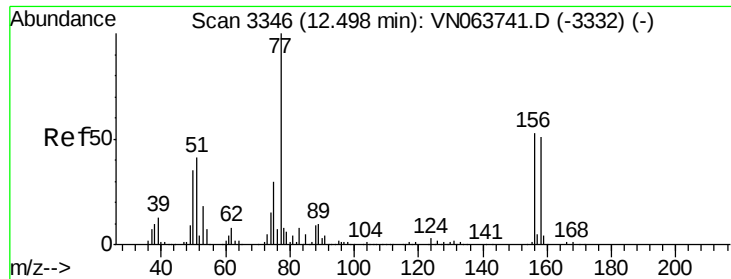
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.786 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

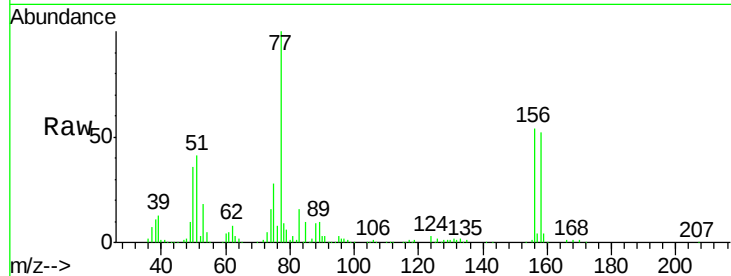
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	224.2	110.9	332.7		
158	95.4	47.7	143.1		

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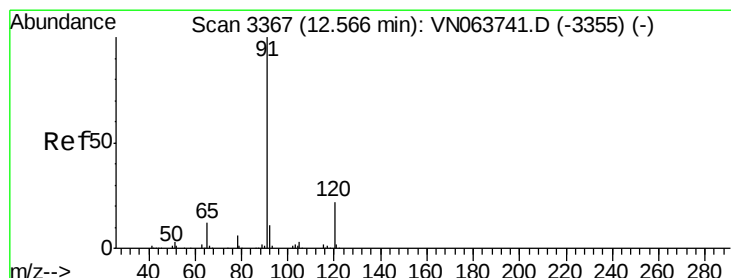
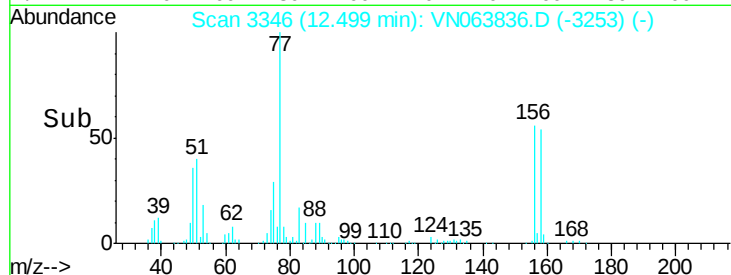
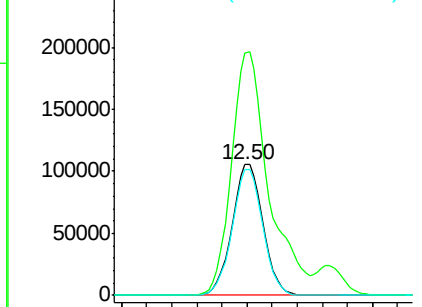


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.203 ug/l

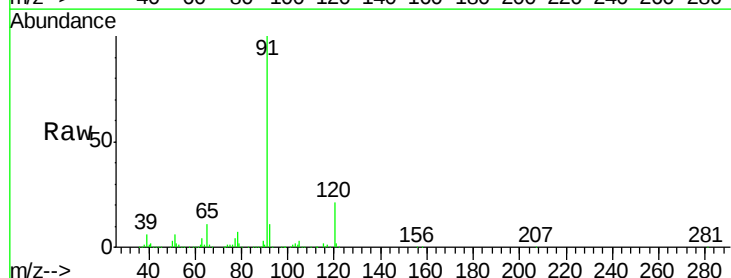
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

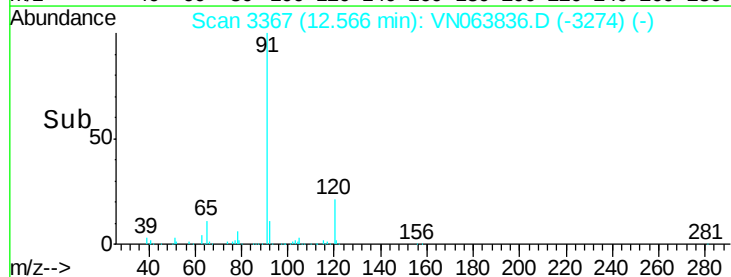
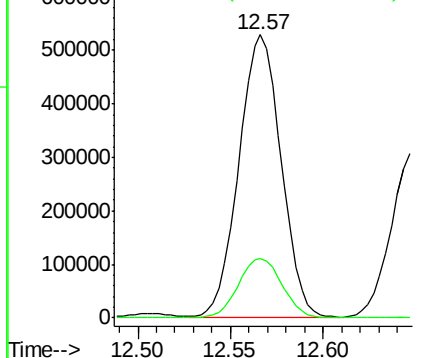
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	11.1	33.1		

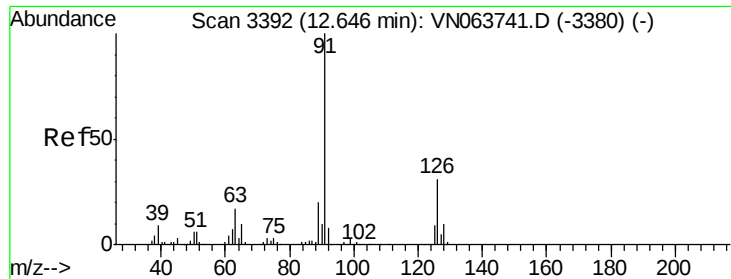


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.585 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 513072

Ion Ratio Lower Upper

91 100

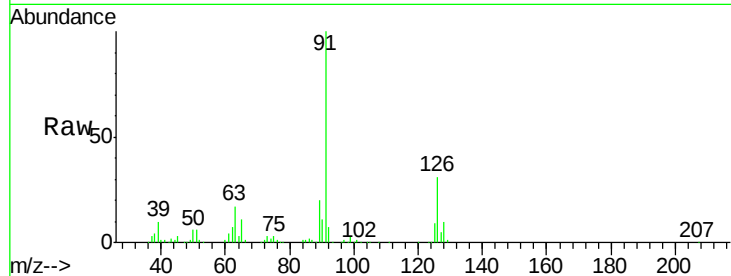
126 31.8 15.9 47.7

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10/5/2020 5:35:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

500000

400000

300000

200000

100000

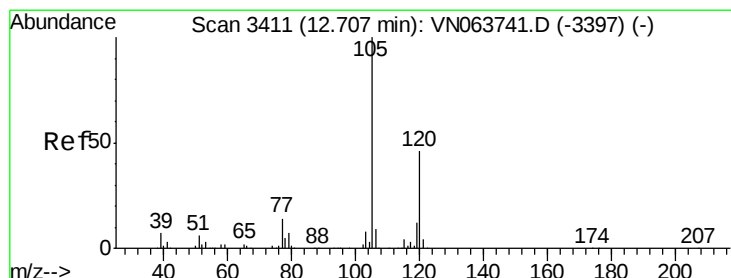
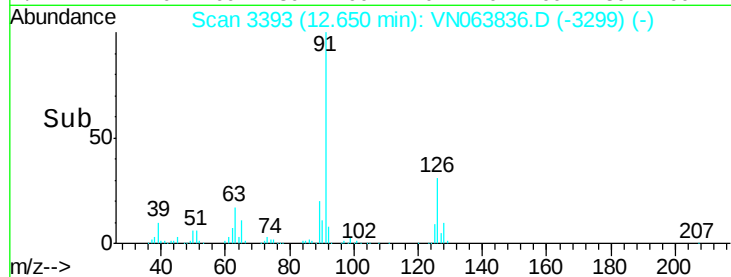
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.439 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063836.D

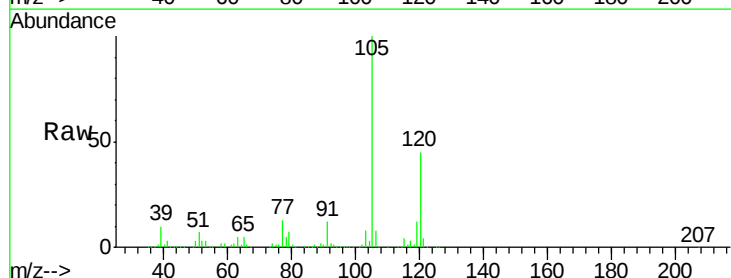
Acq: 2 Oct 2020 21:08

Tgt Ion: 105 Resp: 611735

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

400000

300000

200000

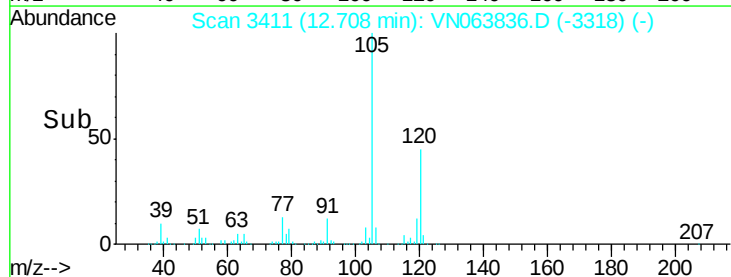
100000

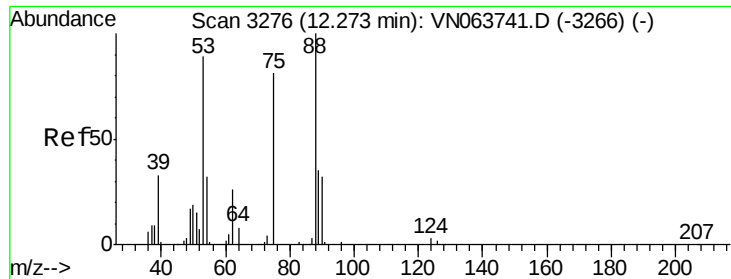
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.203 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

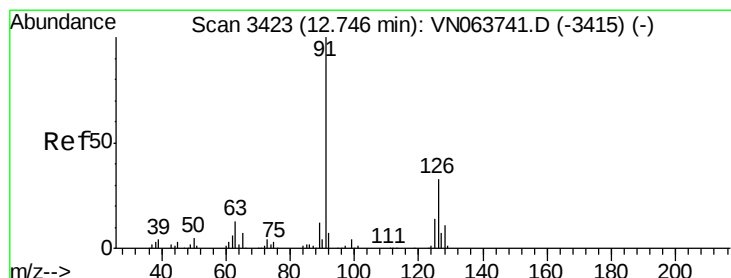
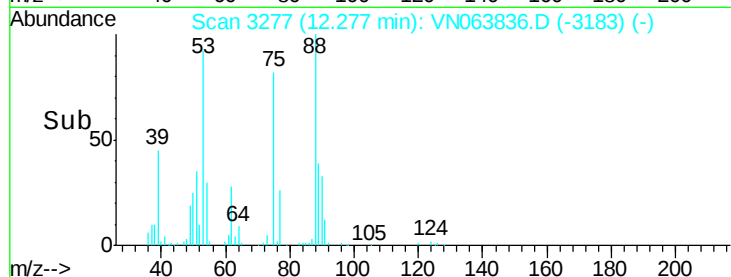
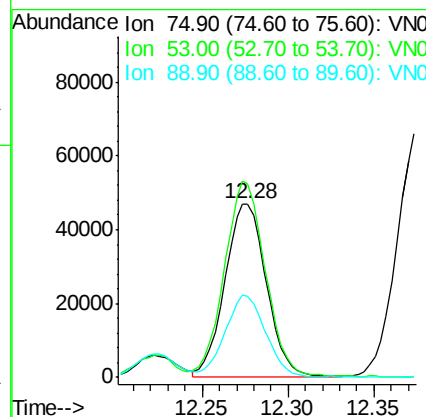
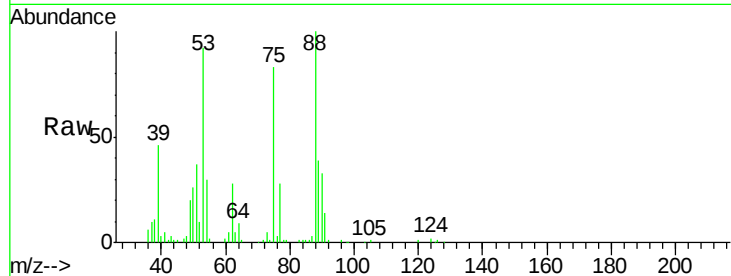
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	79190
Ion	Ratio	Lower	Upper
75	100		
53	111.6	88.2	132.2
89	45.7	36.0	54.0

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#82

4-Chlorotoluene

Concen: 49.853 ug/l

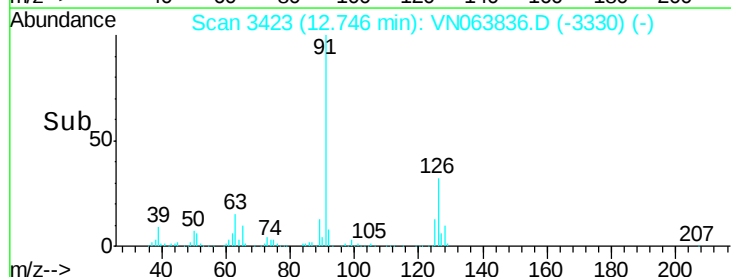
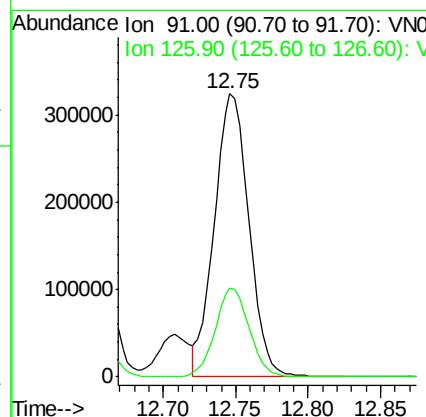
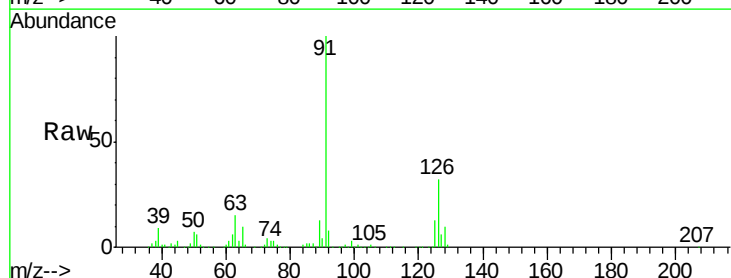
RT: 12.75 min Scan# 3423

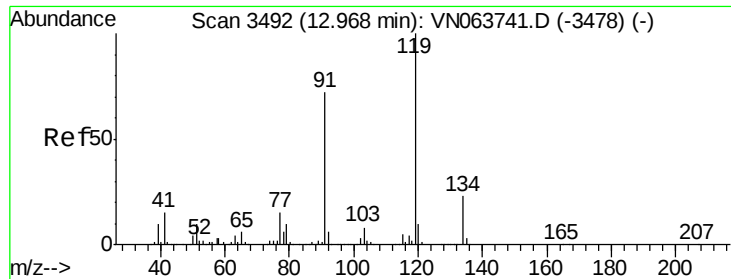
Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	91	Resp:	535504
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.2





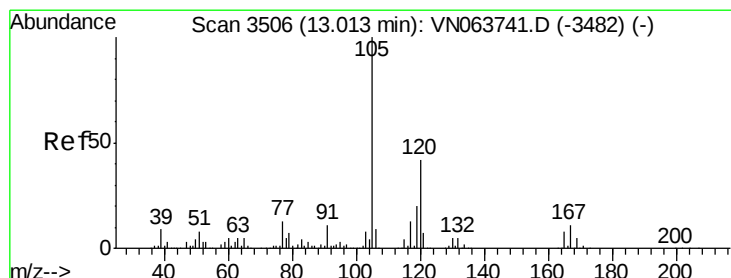
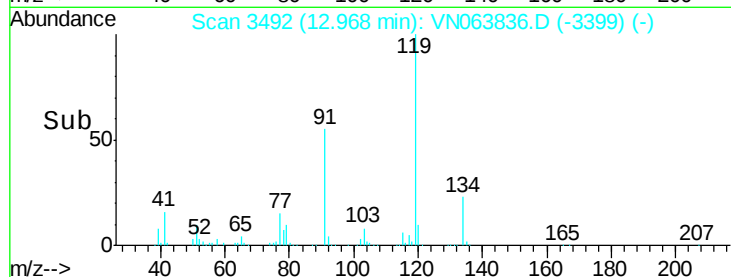
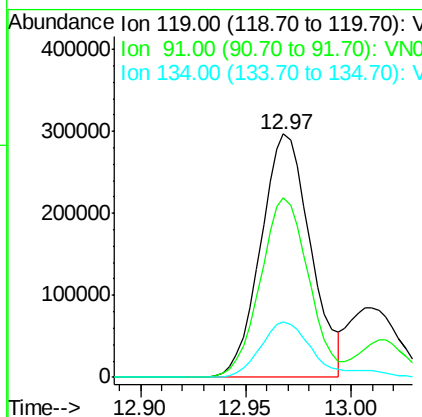
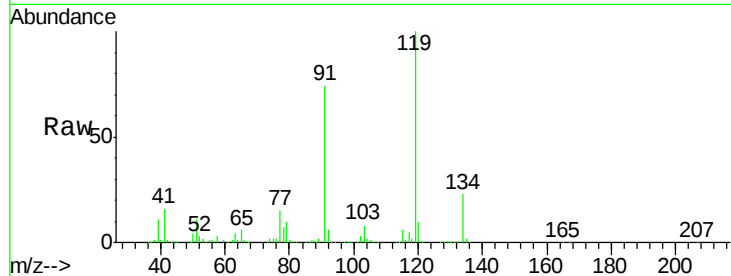
#83
tert-Butylbenzene
Concen: 49.172 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.8	35.5	106.5
134	23.1	11.7	35.1

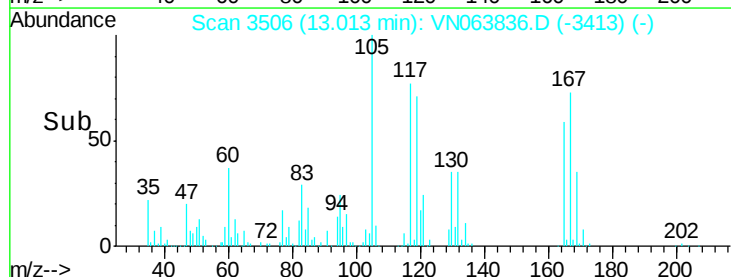
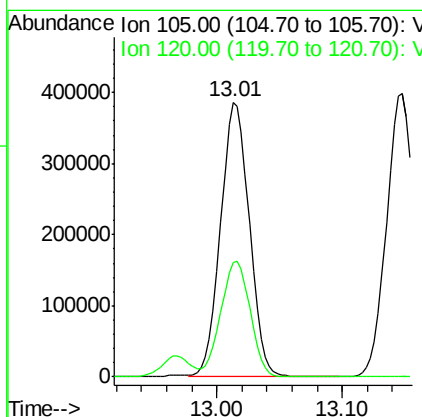
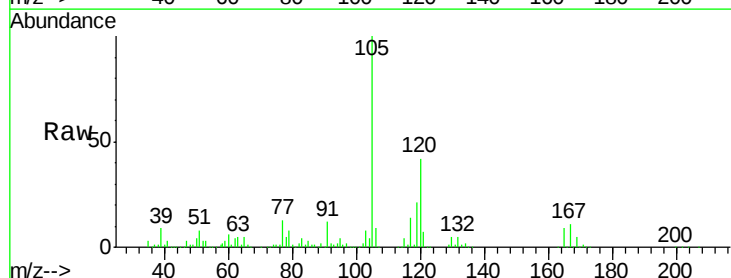
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#84
1,2,4-Trimethylbenzene
Concen: 50.519 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	20.9	62.7





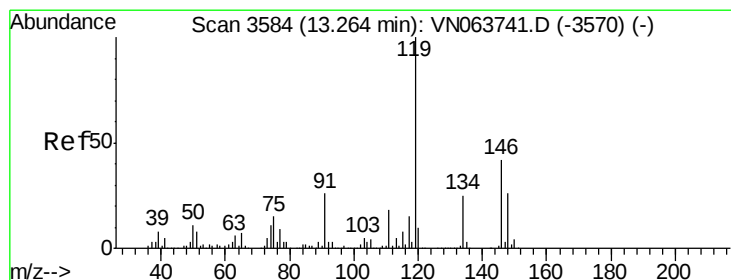
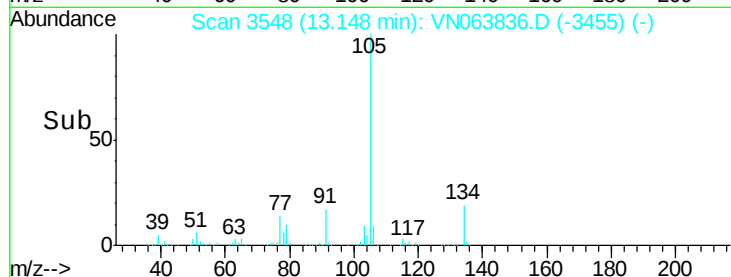
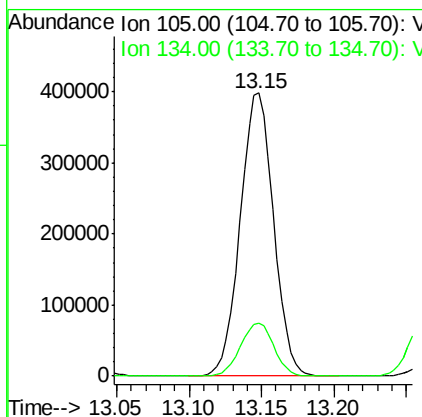
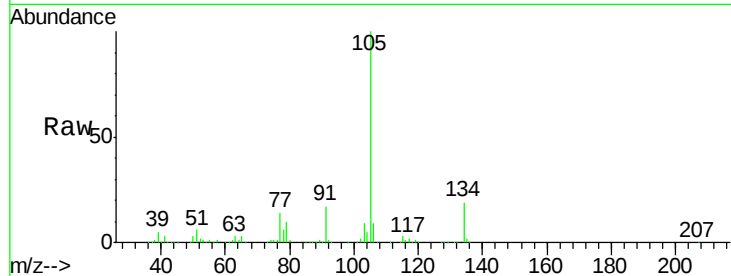
#85
 sec-Butylbenzene
 Concen: 48.691 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.5	28.5

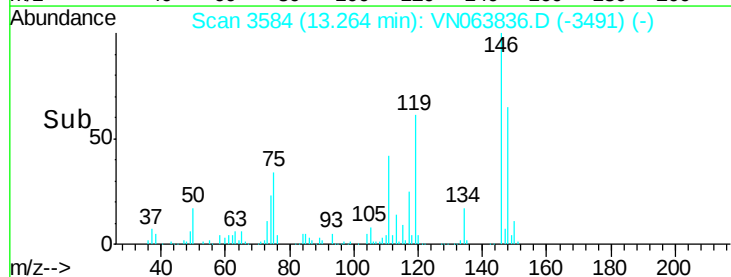
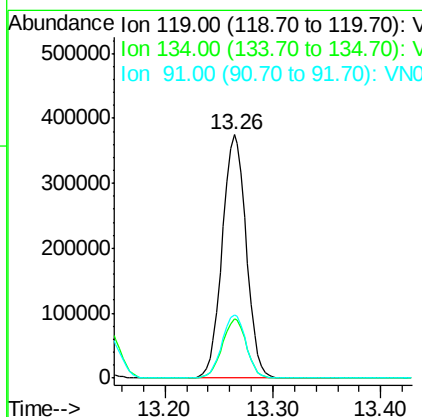
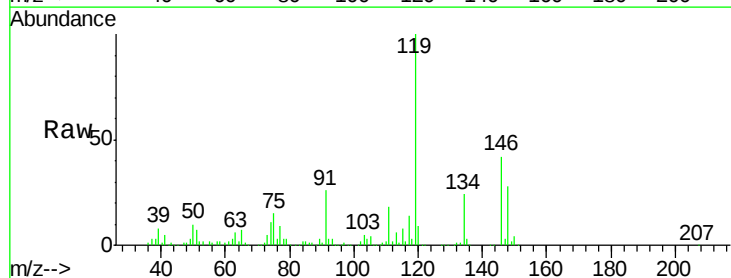
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 50.137 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.4	12.6	37.8
91	26.4	13.4	40.2





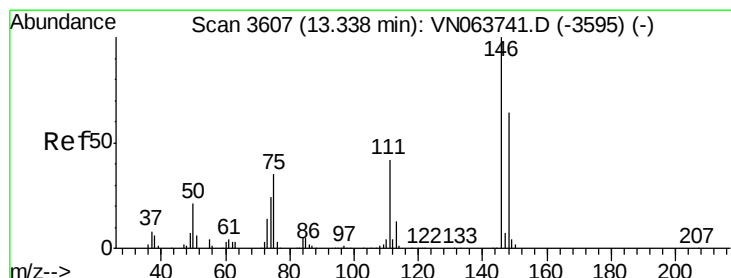
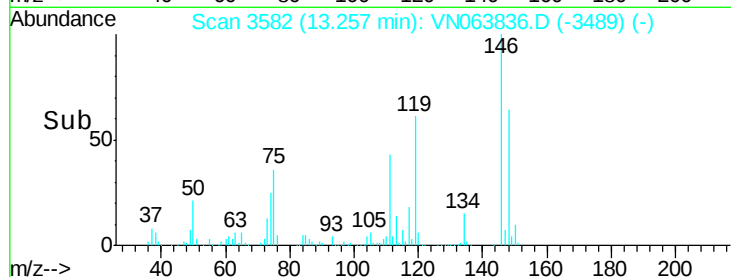
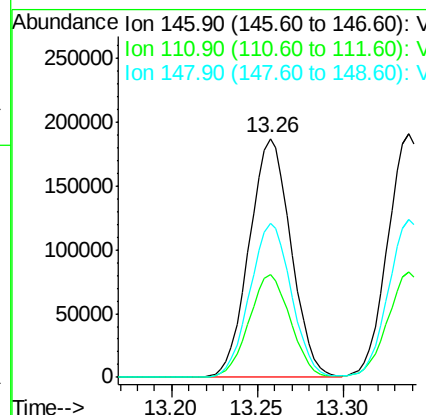
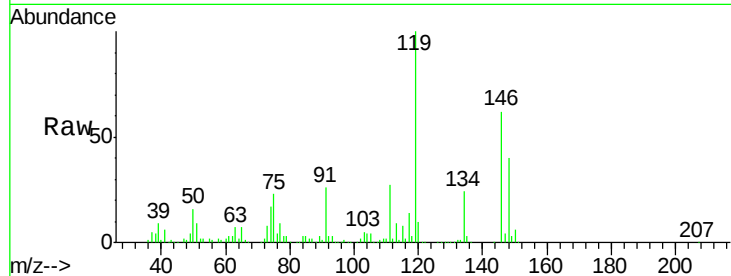
#87
 1,3-Dichlorobenzene
 Concen: 49.094 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.0	31.1	93.3

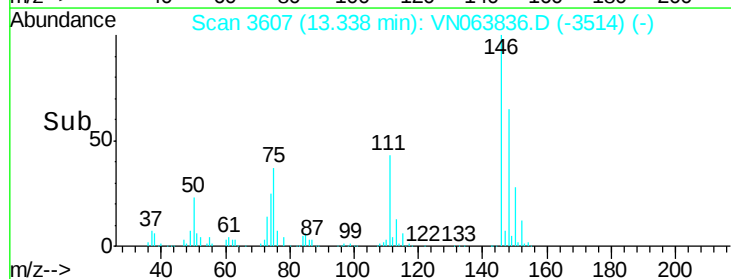
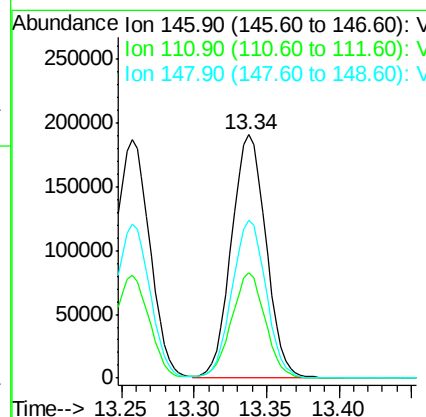
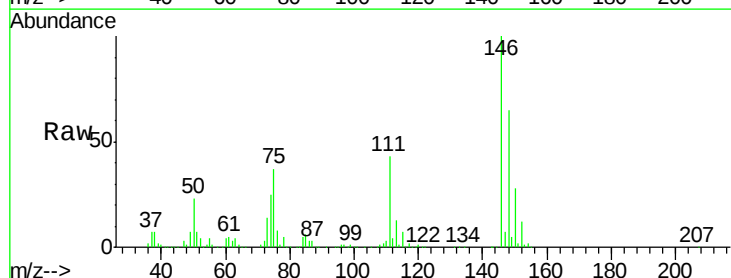
Manual Integrations
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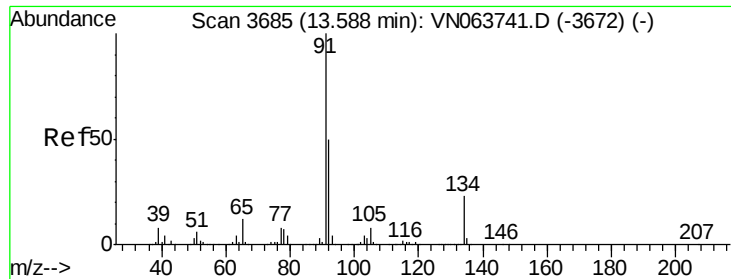
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#88
 1,4-Dichlorobenzene
 Concen: 47.219 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.6	32.0	96.0





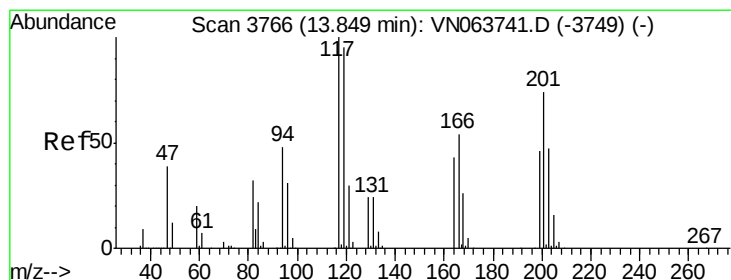
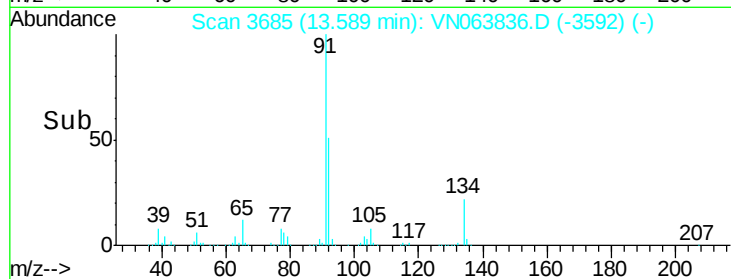
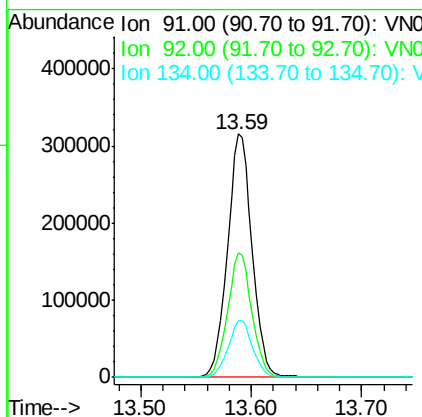
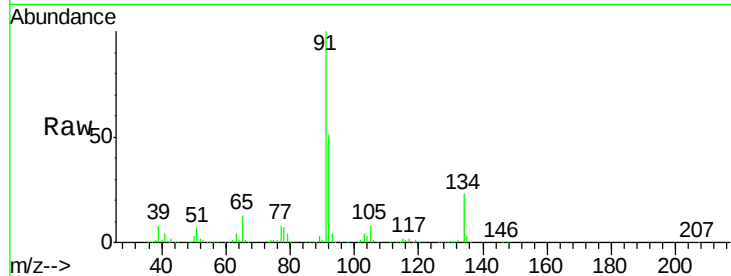
#89
n-Butylbenzene
Concen: 45.738 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.4	76.4
134	23.3	11.7	35.1

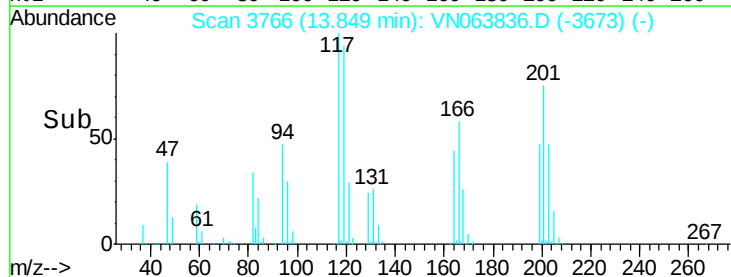
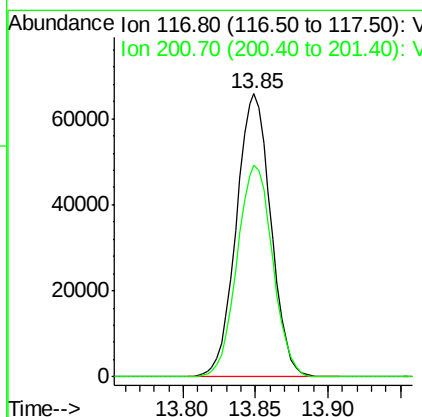
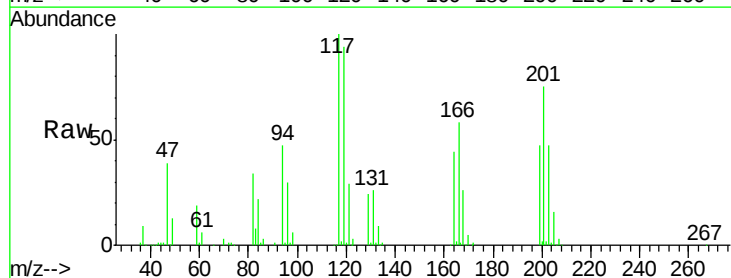
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#90
Hexachloroethane
Concen: 48.659 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063836.D
Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	36.0	108.0





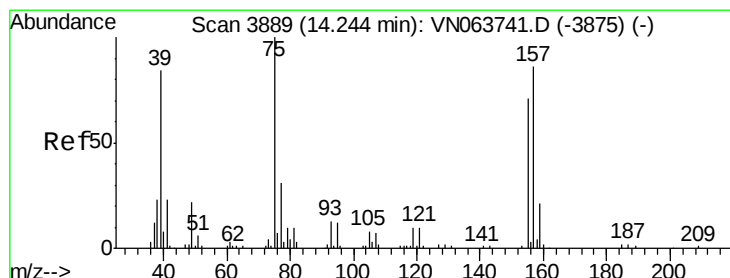
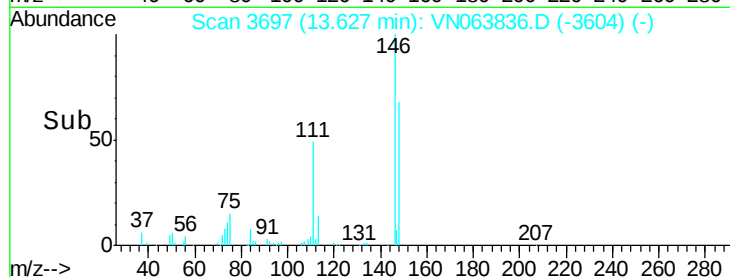
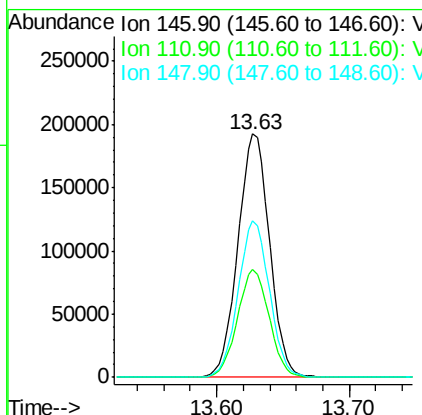
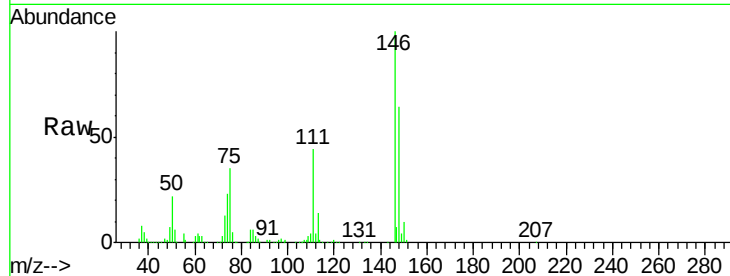
#91
 1,2-Dichlorobenzene
 Concen: 50.315 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.8	32.5	97.4

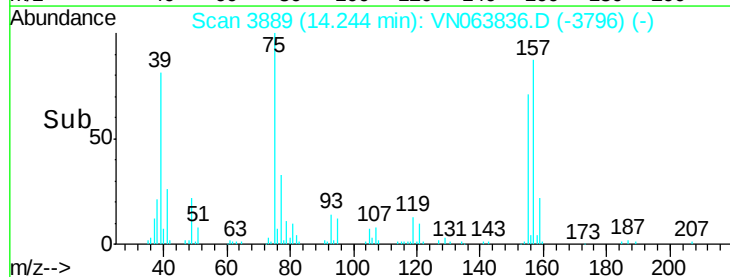
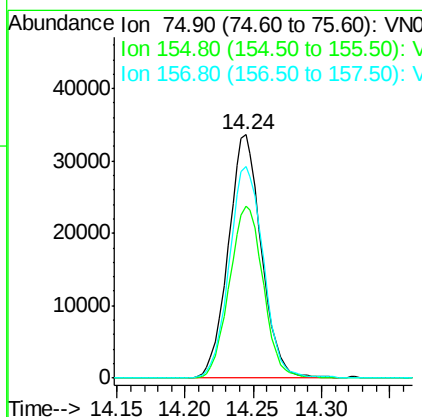
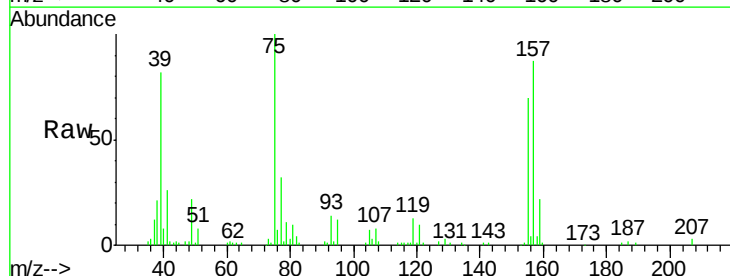
Manual Integrations
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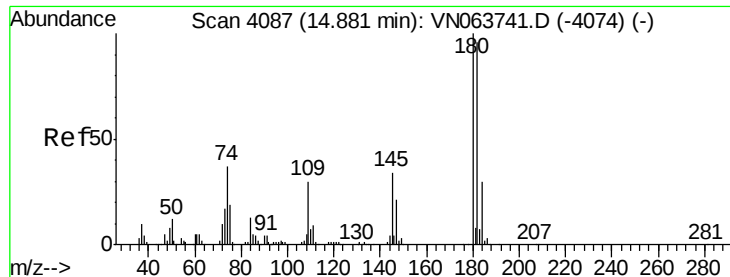
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.654 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	34.8	104.5
157	89.3	43.7	131.1





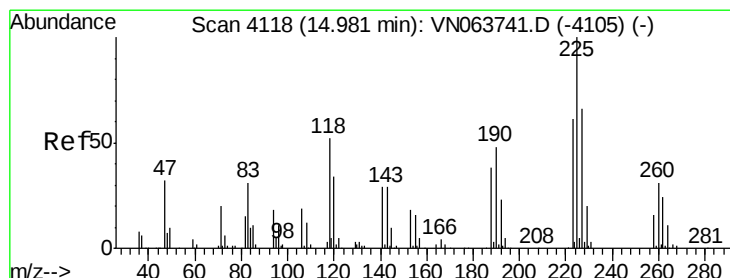
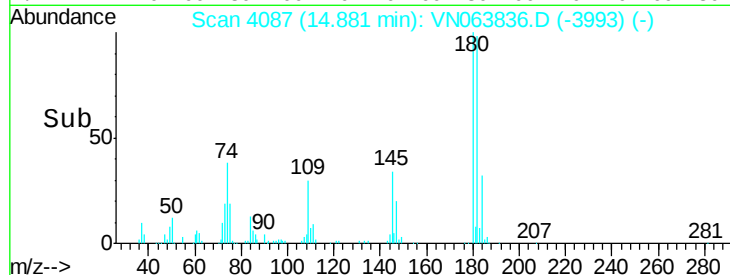
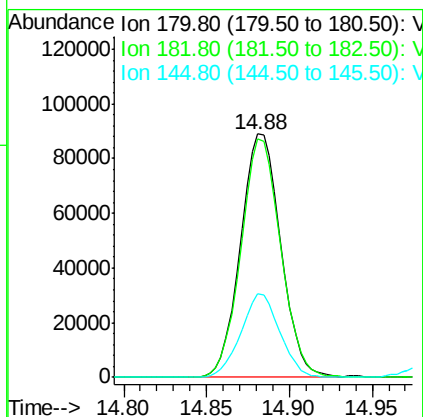
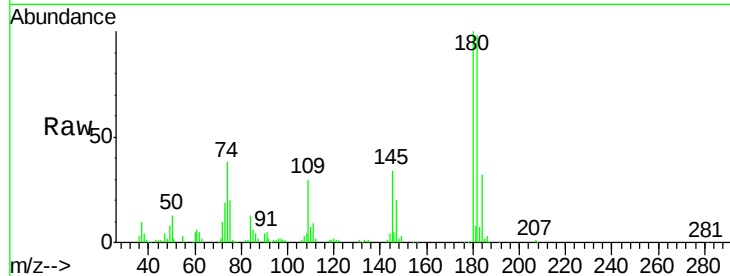
#93
 1,2,4-Trichlorobenzene
 Concen: 43.684 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150202		
182	96.7	48.2	144.6	
145	33.2	17.1	51.2	

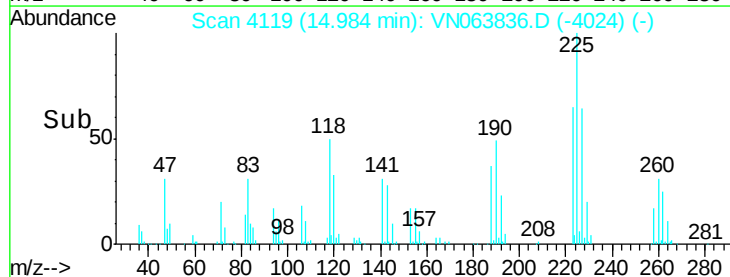
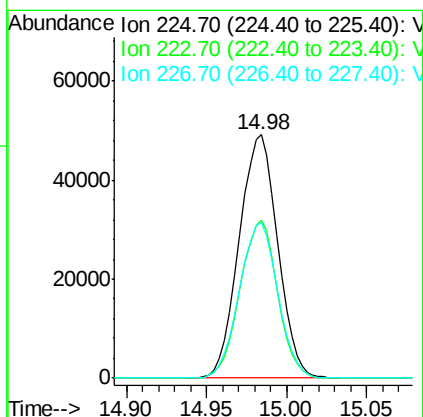
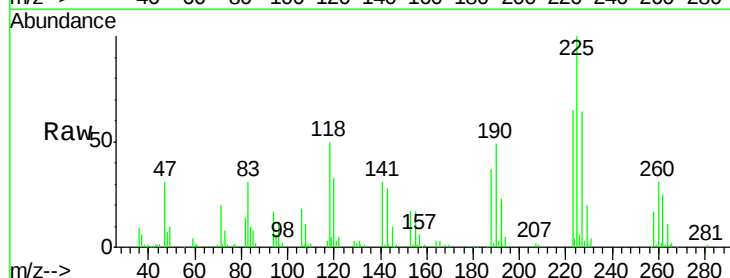
Manual Integrations
 APPROVED

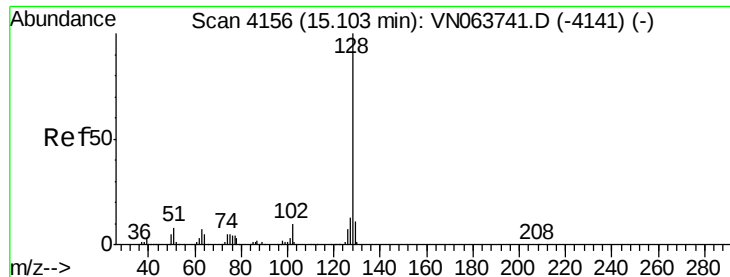
MMDadoda
 10/5/2020 5:35:31 PM



#94
 Hexachlorobutadiene
 Concen: 46.930 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063836.D
 Acq: 2 Oct 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80874		
223	63.0	30.3	91.0	
227	63.5	31.9	95.5	





#95

Naphthalene

Concen: 45.601 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Instrument :

MSVOA_N

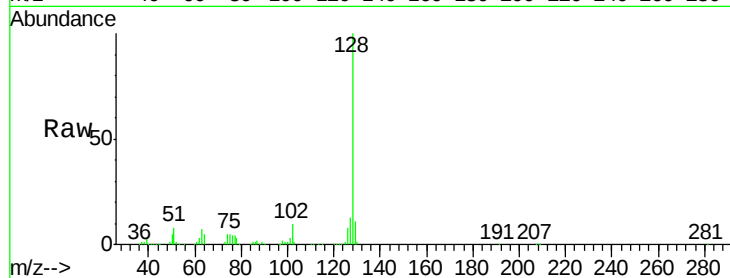
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	485798
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

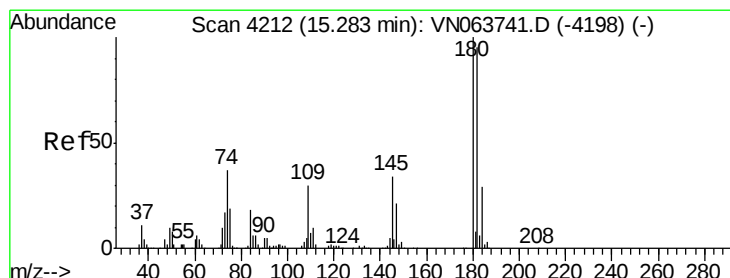
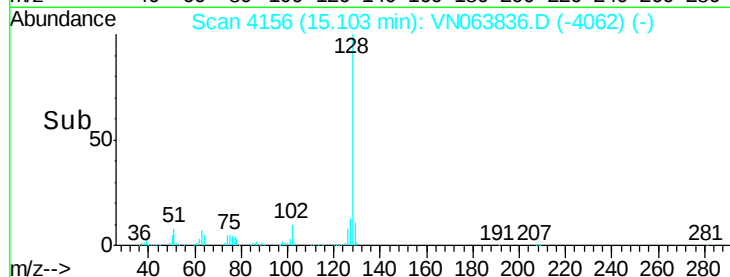
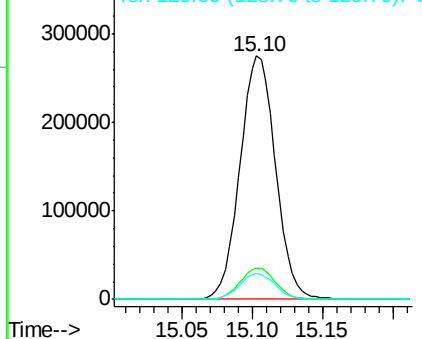
MMDadoda
10/5/2020 5:35:31 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.241 ug/l

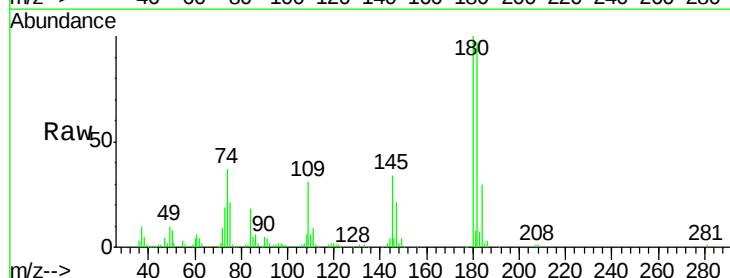
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063836.D

Acq: 2 Oct 2020 21:08

Tgt Ion:	180	Resp:	147683
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	34.1	17.2	51.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

