

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003117.D
 Acq On : 07 Jul 2020 10:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:33 PM

Quant Time: Jul 08 03:55:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	427883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	615152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	559755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	198847	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.72	113	193110	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.18	98	712358	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.48	95	251360	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	156064	48.161	ug/l	99
3) Chloromethane	2.12	50	207452	43.717	ug/l	97
4) Vinyl Chloride	2.26	62	233791	50.509	ug/l	98
5) Bromomethane	2.65	94	161045	51.243	ug/l	98
6) Chloroethane	2.80	64	151808	51.555	ug/l	98
7) Trichlorofluoromethane	3.13	101	337371	51.640	ug/l	98
8) Diethyl Ether	3.54	74	112735	50.335	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	205231	52.612	ug/l	98
10) Methyl Iodide	4.10	142	264183	54.616	ug/l	99
11) Tert butyl alcohol	4.96	59	101966	235.434	ug/l	99
12) 1,1-Dichloroethene	3.88	96	192886	51.969	ug/l	92
13) Acrolein	3.74	56	88209	226.768	ug/l	98
14) Allyl chloride	4.49	41	295081	45.535	ug/l	96
15) Acrylonitrile	5.17	53	277180	240.131	ug/l	99
16) Acetone	3.96	43	223160	222.650	ug/l	99
17) Carbon Disulfide	4.20	76	574185	48.420	ug/l	100
18) Methyl Acetate	4.48	43	124972	46.280	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	547541	50.610	ug/l	96
20) Methylene Chloride	4.72	84	219777	48.999	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	215367	51.299	ug/l	95
22) Diisopropyl ether	6.12	45	663872	47.798	ug/l	96
23) Vinyl Acetate	6.07	43	2213508	238.374	ug/l	98
24) 1,1-Dichloroethane	6.02	63	380438	50.143	ug/l	97
25) 2-Butanone	6.99	43	362169	227.472	ug/l	99
26) 2,2-Dichloropropane	6.99	77	347698	50.440	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	244981	52.025	ug/l	95
28) Bromochloromethane	7.34	49	160690	47.600	ug/l	90
29) Tetrahydrofuran	7.35	42	250057	236.174	ug/l	94
30) Chloroform	7.52	83	390894	52.006	ug/l	99
31) Cyclohexane	7.79	56	340383	45.540	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	350876	51.141	ug/l	100
36) 1,1-Dichloropropene	7.93	75	306924	51.798	ug/l	98
37) Ethyl Acetate	7.08	43	168533	47.305	ug/l	97
38) Carbon Tetrachloride	7.91	117	320121	51.926	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	379758	51.691	ug/l	98
40) Benzene	8.16	78	843347	51.987	ug/l	99
41) Methacrylonitrile	7.33	41	90501m	47.554	ug/l	
42) 1,2-Dichloroethane	8.24	62	256801	50.040	ug/l	100
43) Isopropyl Acetate	8.28	43	328864	48.556	ug/l	97
44) Trichloroethene	8.94	130	258609	54.848	ug/l	99
45) 1,2-Dichloropropane	9.22	63	220315	50.481	ug/l	96
46) Dibromomethane	9.31	93	127160	52.167	ug/l	98
47) Bromodichloromethane	9.50	83	310353	51.997	ug/l	100
48) Methyl methacrylate	9.30	41	145954	47.345	ug/l	94
49) 1,4-Dioxane	9.30	88	33134	1113.550	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	860074	245.695	ug/l	97
52) Toluene	10.24	92	535515	52.440	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	323933	51.765	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	368157	51.442	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	181694	53.641	ug/l	97
56) Ethyl methacrylate	10.51	69	258438	52.708	ug/l	96
57) 1,3-Dichloropropane	10.79	76	308456	51.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	634632	252.369	ug/l	97
59) 2-Hexanone	10.83	43	591202	241.625	ug/l	98
60) Dibromochloromethane	10.99	129	229965	53.052	ug/l	100
61) 1,2-Dibromoethane	11.09	107	175545	52.569	ug/l	100
64) Tetrachloroethene	10.72	164	271593	57.329	ug/l	98
65) Chlorobenzene	11.52	112	592589	53.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	235610	54.676	ug/l	99
67) Ethyl Benzene	11.60	91	1076557	53.316	ug/l	99
68) m/p-Xylenes	11.70	106	801499	106.652	ug/l	100
69) o-Xylene	12.03	106	383611	54.170	ug/l	96
70) Styrene	12.05	104	656164	54.236	ug/l	98
71) Bromoform	12.21	173	157298	54.743	ug/l	99
73) Isopropylbenzene	12.33	105	1046190	53.889	ug/l	100
74) N-amyl acetate	12.14	43	311997	49.366	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	201585	51.454	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	157780m	53.743	ug/l	
77) Bromobenzene	12.61	156	264811	53.200	ug/l	96
78) n-propylbenzene	12.67	91	1249576	53.520	ug/l	99
79) 2-Chlorotoluene	12.76	91	690143	52.957	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	875818	53.761	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	78189	51.816	ug/l #	73
82) 4-Chlorotoluene	12.86	91	722882	53.276	ug/l	98
83) tert-Butylbenzene	13.08	119	765784	53.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	874303	53.260	ug/l	99
85) sec-Butylbenzene	13.25	105	1072632	54.402	ug/l	100
86) p-Isopropyltoluene	13.37	119	998834	54.671	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	505576	54.403	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	496462	54.177	ug/l	99
89) n-Butylbenzene	13.70	91	951605	54.438	ug/l	99
90) Hexachloroethane	13.96	117	188482	51.954	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	445974	53.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	36067	52.004	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	330632	53.365	ug/l	99
94) Hexachlorobutadiene	15.11	225	213901	54.734	ug/l	98
95) Naphthalene	15.23	128	592064	52.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	280306	52.102	ug/l	100

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

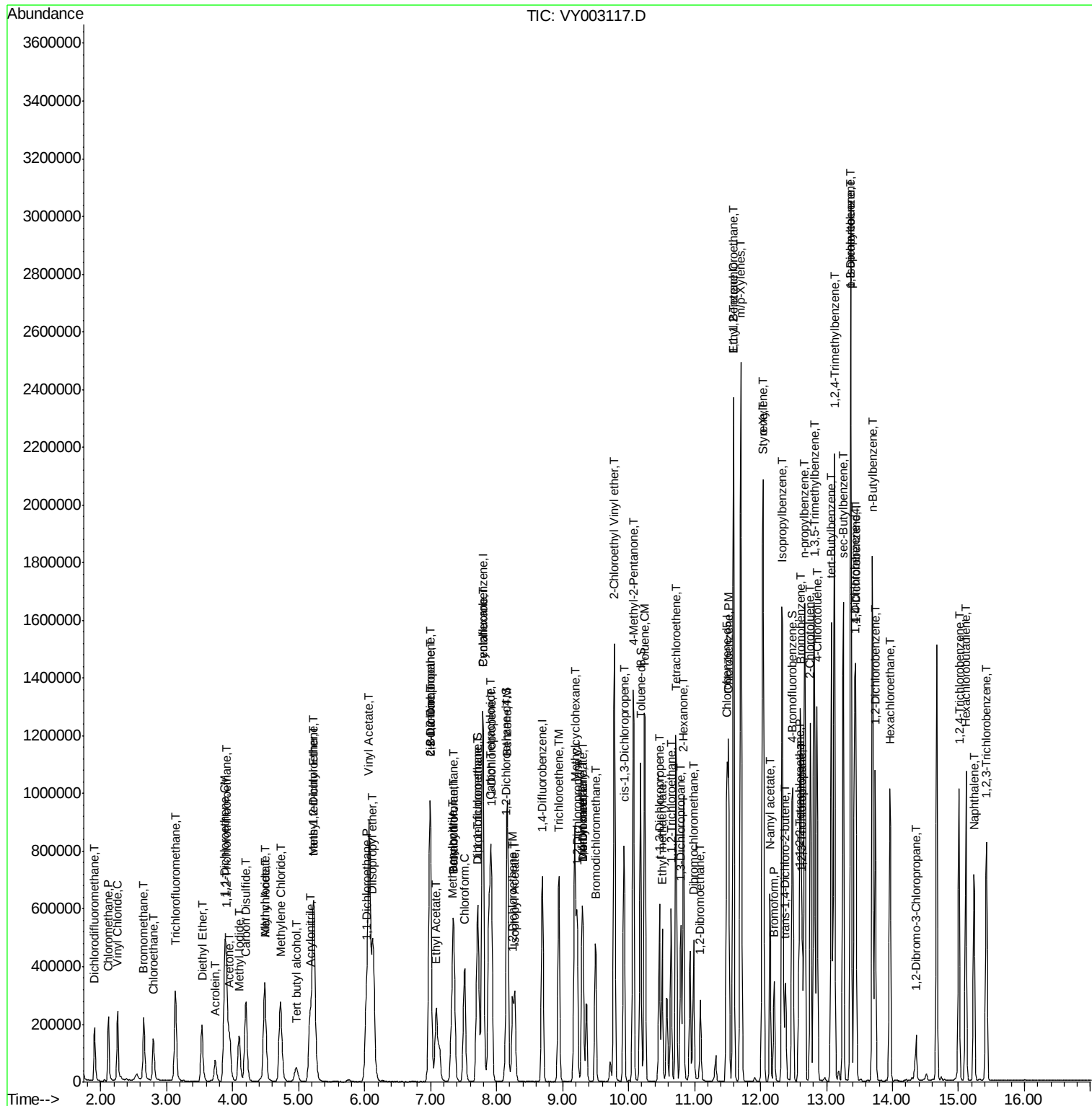
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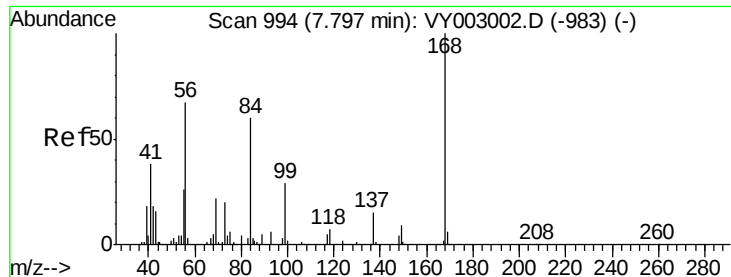
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 427883

Ion Ratio Lower Upper

168 100

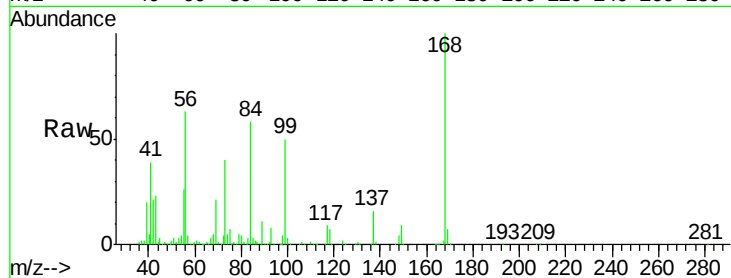
99 49.5 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003117.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003117.D (-945) (-)

7.80

200000

150000

100000

50000

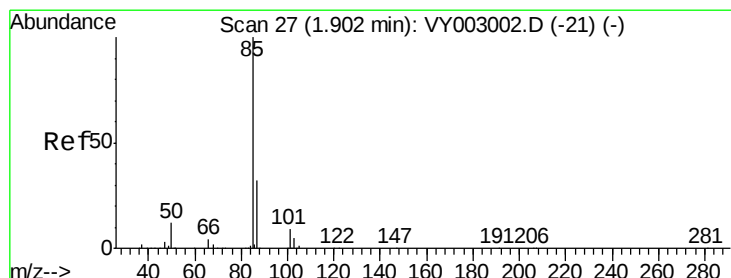
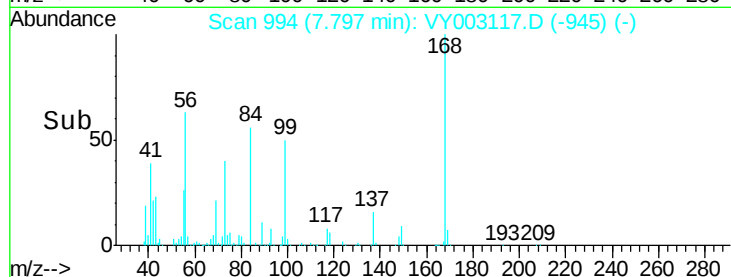
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.161 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003117.D

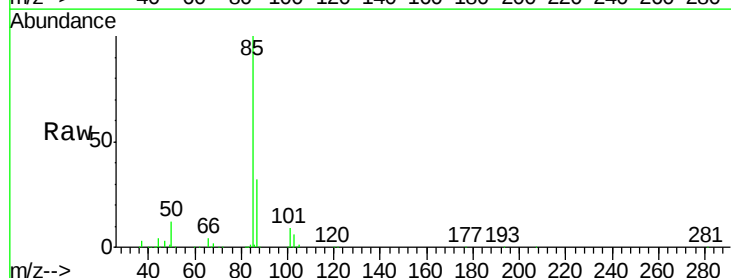
Acq: 07 Jul 2020 10:53

Tgt Ion: 85 Resp: 156064

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003117.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003117.D (-1) (-)

1.91

120000

100000

80000

60000

40000

20000

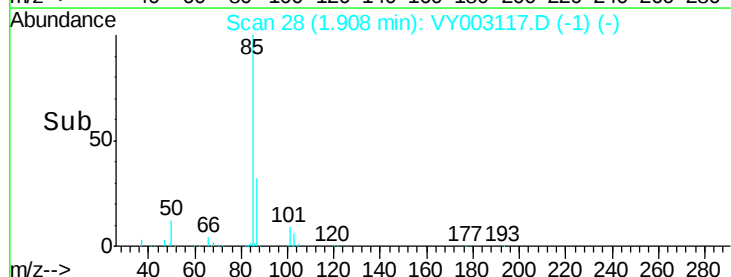
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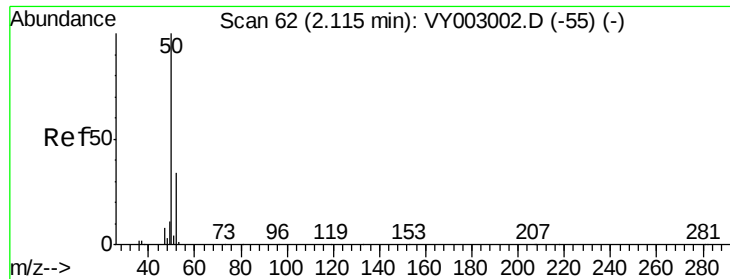
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 43.717 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 207452

Ion Ratio Lower Upper

50 100

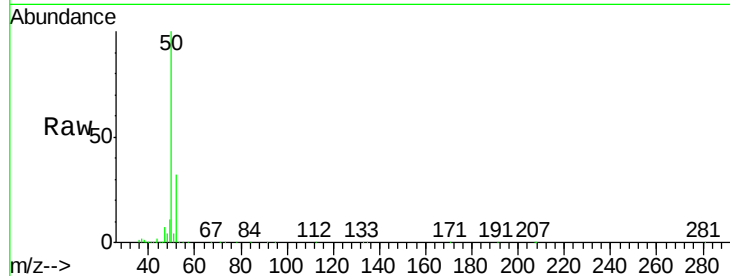
52 32.2 26.9 40.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

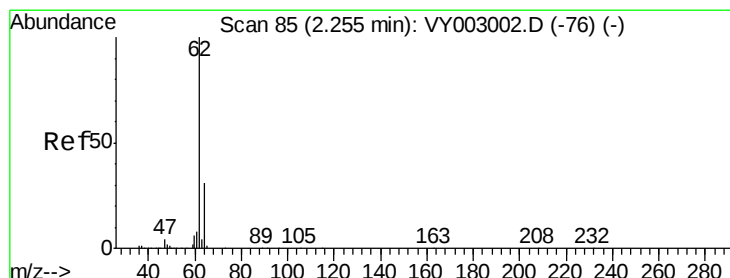
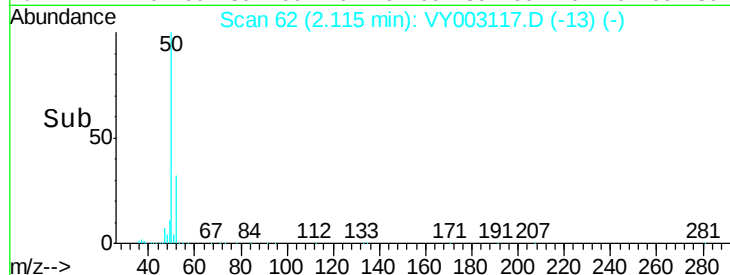
150000

100000

50000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 50.509 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003117.D

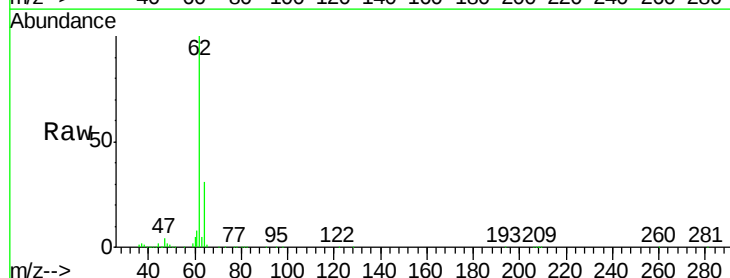
Acq: 07 Jul 2020 10:53

Tgt Ion: 62 Resp: 233791

Ion Ratio Lower Upper

62 100

64 31.4 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

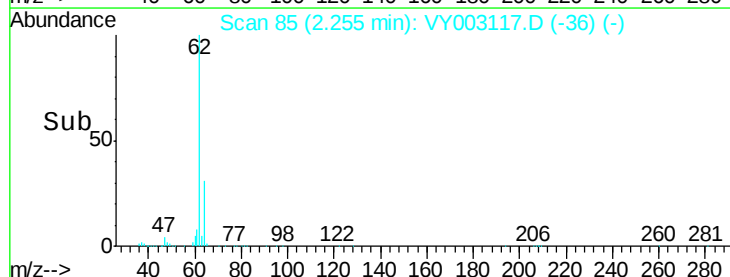
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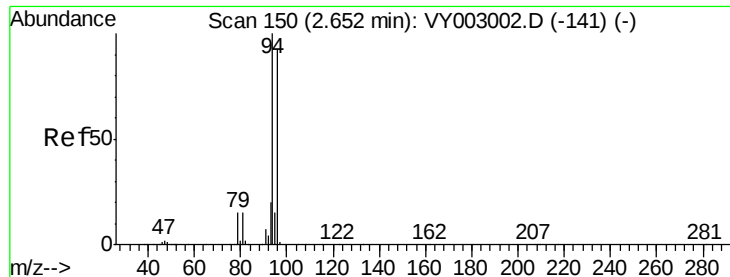
100000

50000

0

Time--> 2.10 2.20 2.30 2.40 2.50





#5

Bromomethane

Concen: 51.243 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 161045

Ion Ratio Lower Upper

94 100

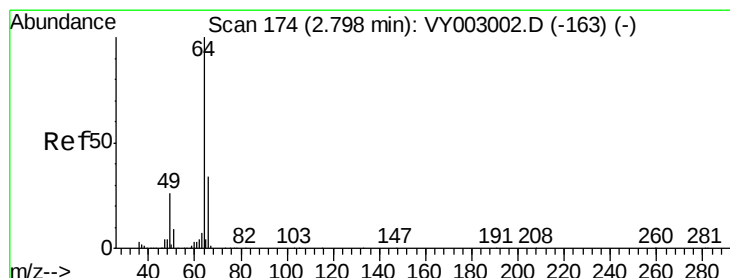
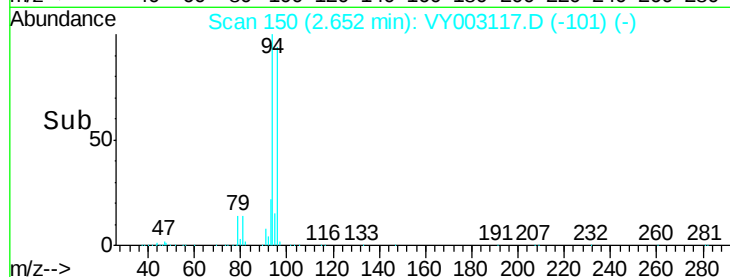
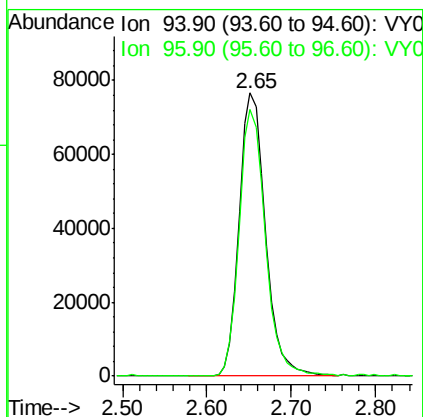
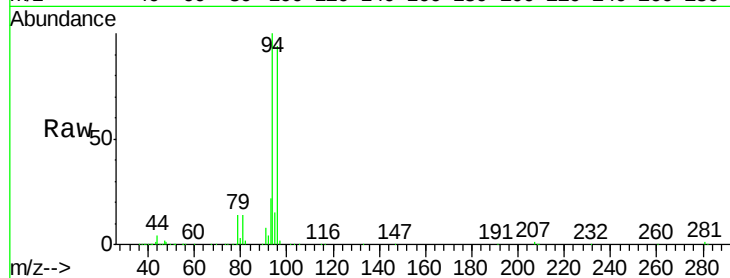
96 94.0 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 51.555 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003117.D

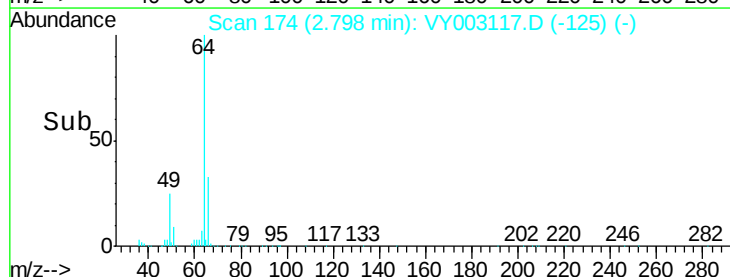
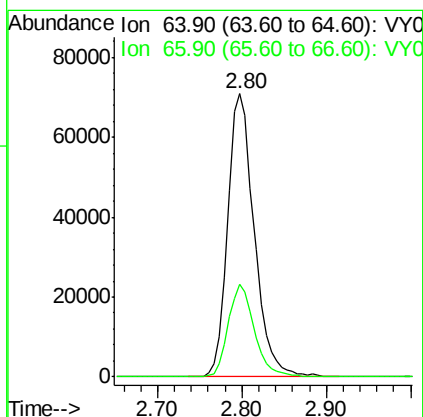
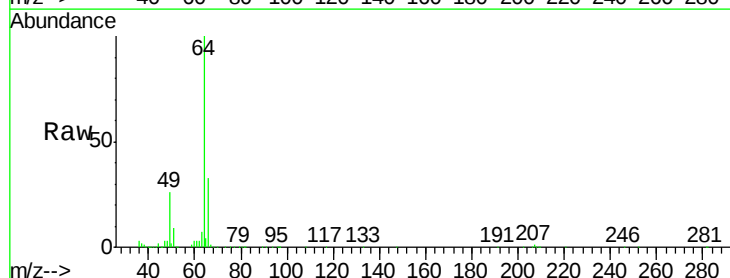
Acq: 07 Jul 2020 10:53

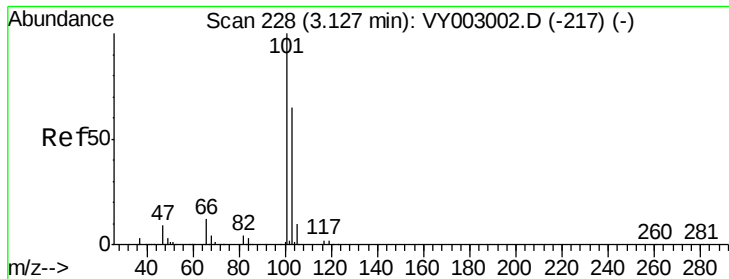
Tgt Ion: 64 Resp: 151808

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.4





#7

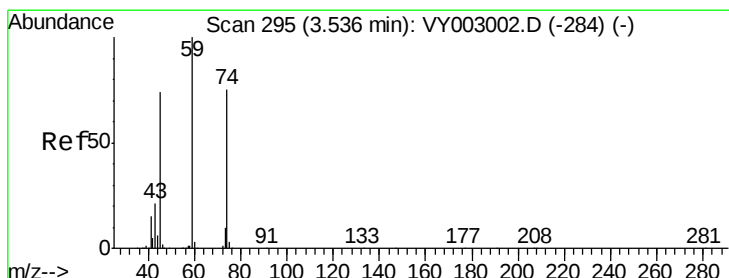
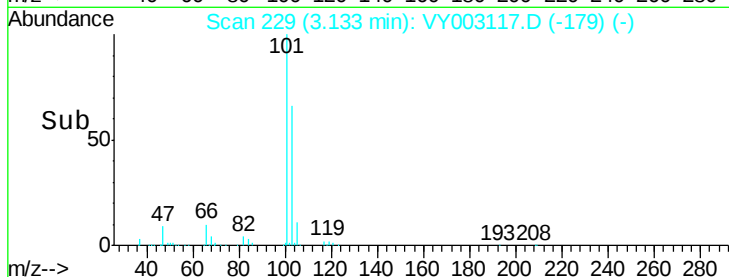
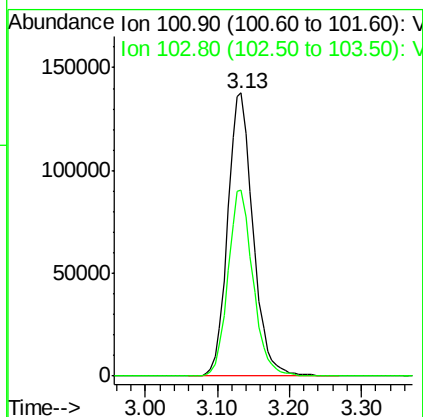
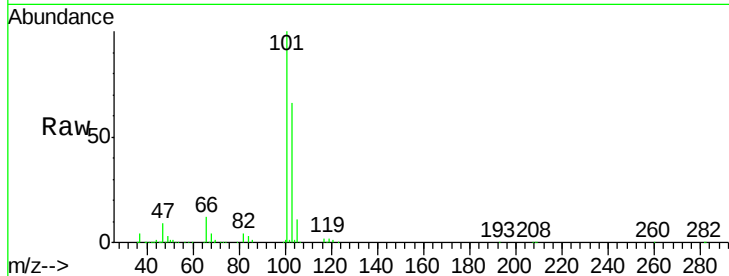
Trichlorofluoromethane
 Concen: 51.640 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4

Manual Integrations
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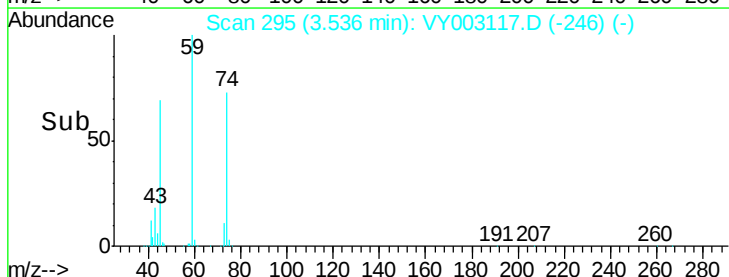
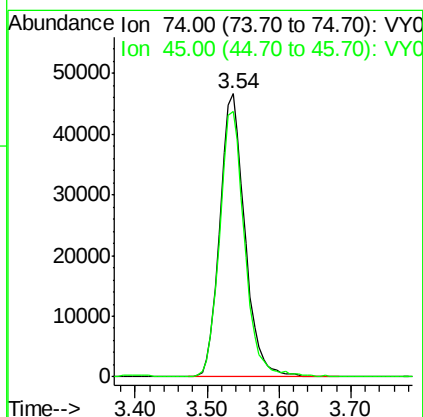
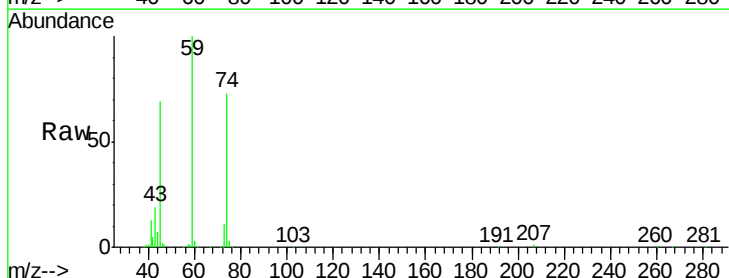
MMDadoda
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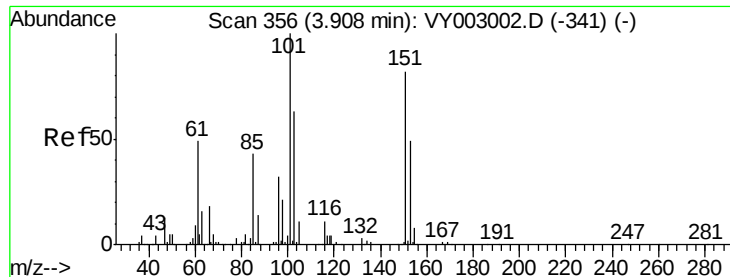


#8

Diethyl Ether
 Concen: 50.335 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003117.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.612 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

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MSVOA_Y

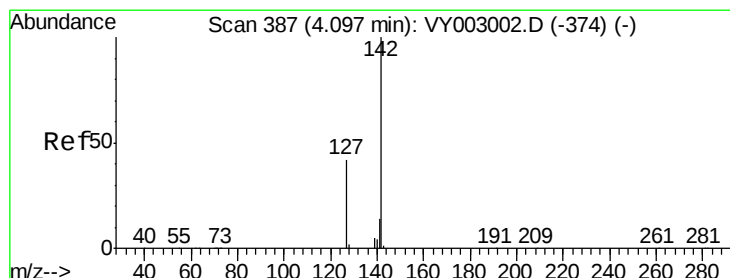
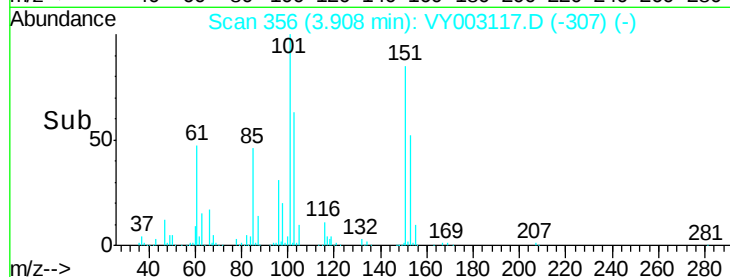
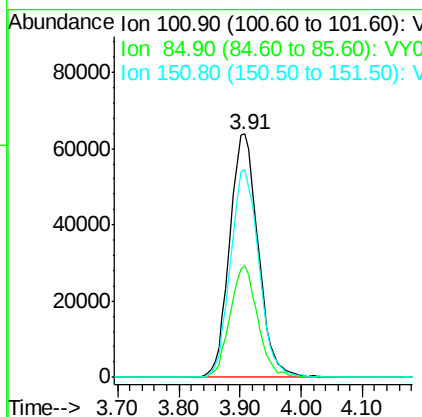
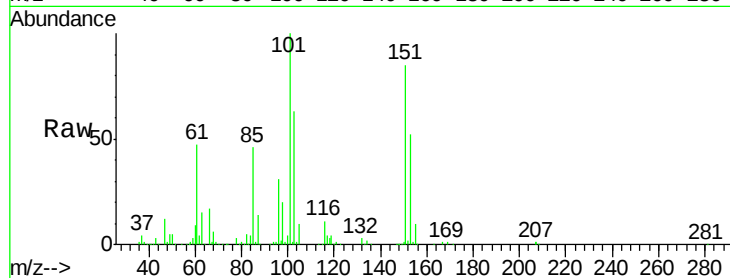
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	205231		
85	44.4	35.5	53.3	
151	84.9	65.5	98.3	

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#10

Methyl Iodide

Concen: 54.616 ug/l

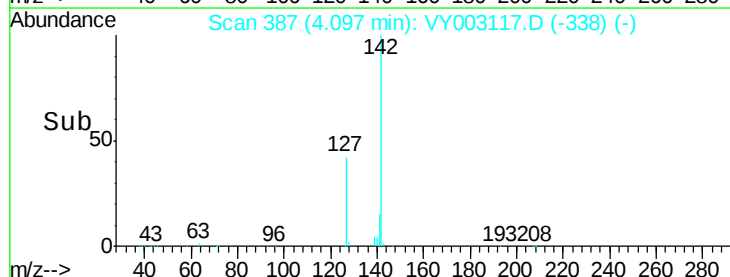
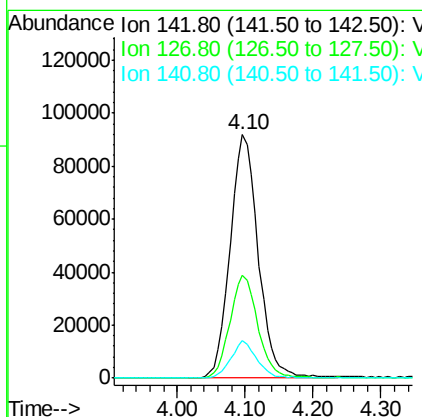
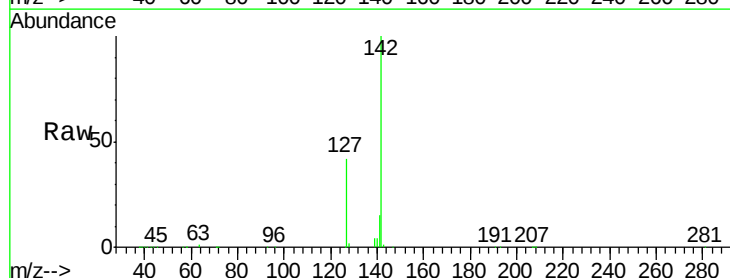
RT: 4.10 min Scan# 387

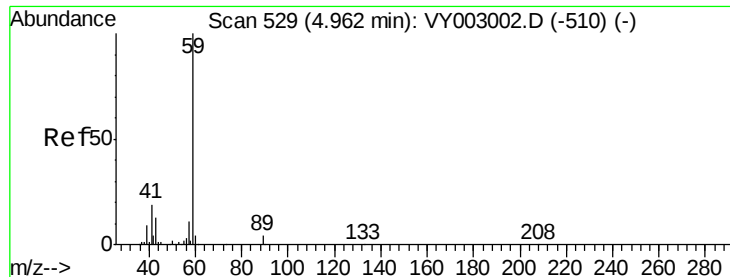
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	264183		
127	42.0	34.2	51.2	
141	14.2	11.7	17.5	





#11

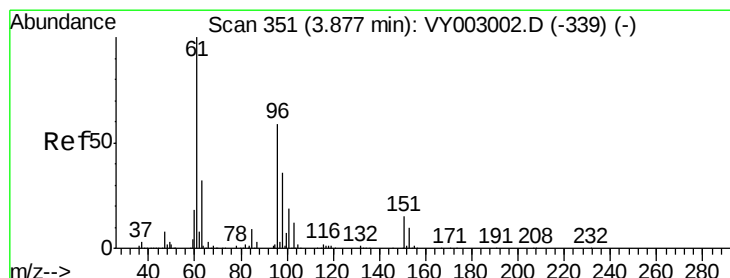
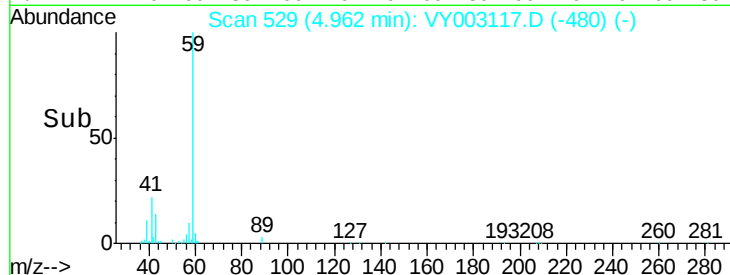
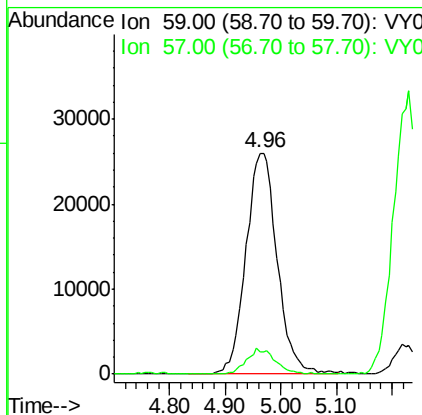
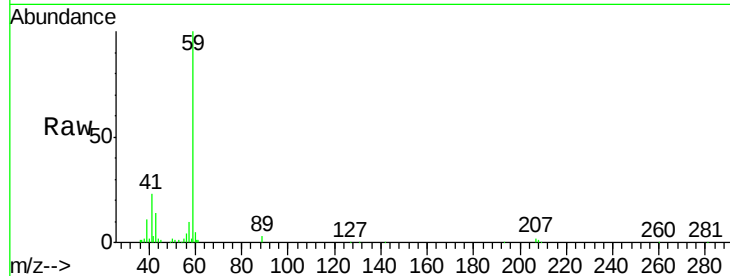
Tert butyl alcohol
 Concen: 235.434 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	101966		
57	57	10.5		8.0	12.0

Manual Integrations
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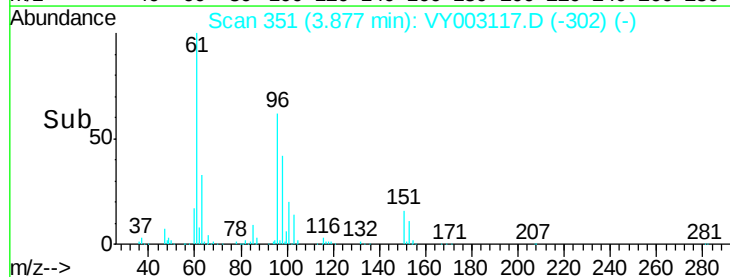
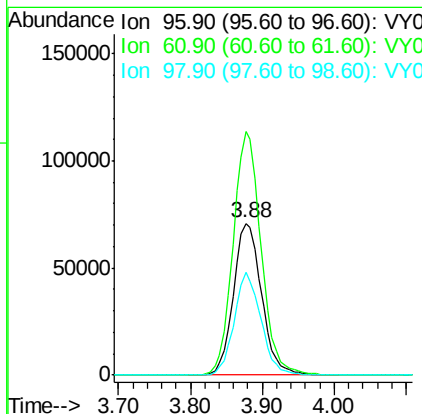
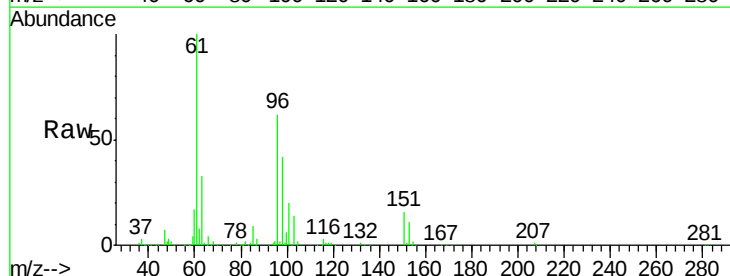
MMDadoda
 7/8/2020 12:20:33 PM

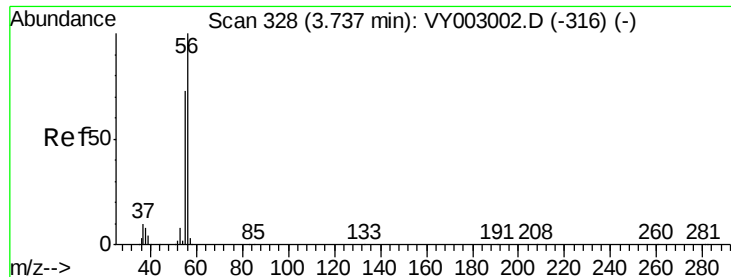


#12

1,1-Dichloroethene
 Concen: 51.969 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	192886		
61	61	160.6		136.7	205.1
98	98	68.0		49.7	74.5





#13

Acrolein

Concen: 226.768 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88209

Ion Ratio Lower Upper

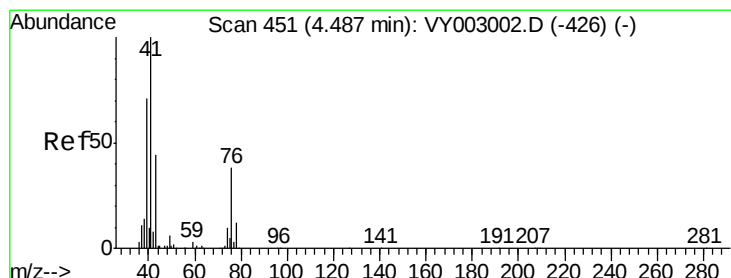
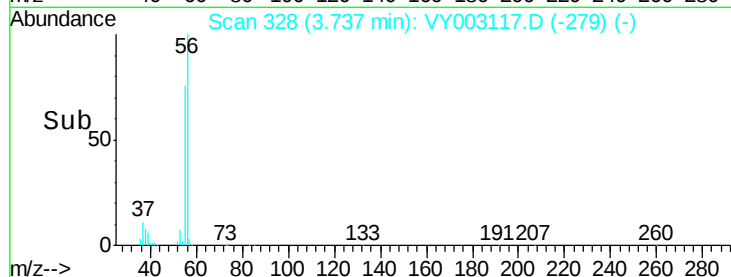
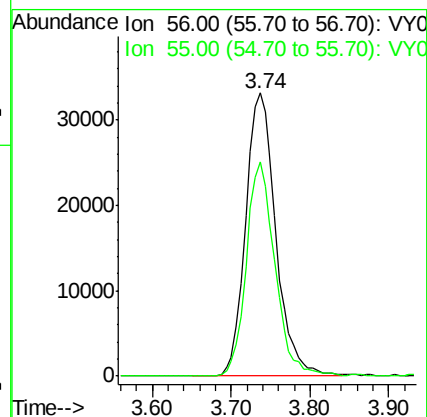
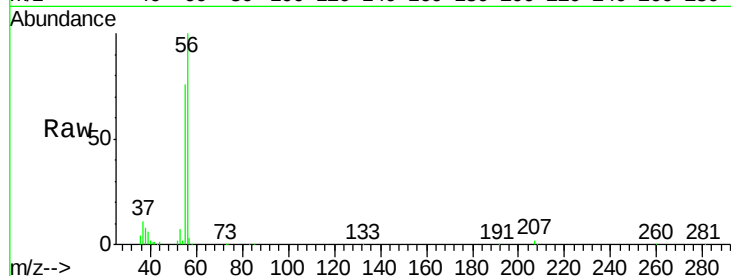
56 100

55 71.9 56.4 84.6

Manual Integrations
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#14

Allyl chloride

Concen: 45.535 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

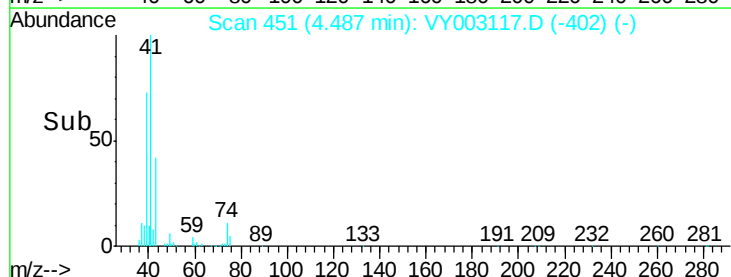
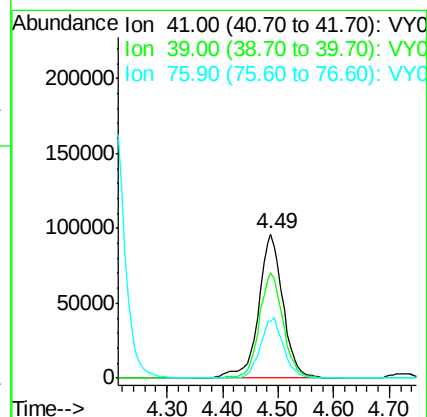
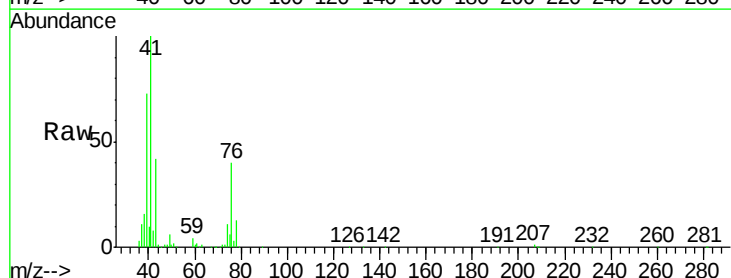
Tgt Ion: 41 Resp: 295081

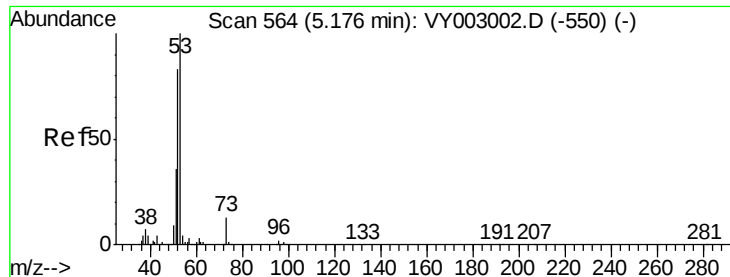
Ion Ratio Lower Upper

41 100

39 71.3 55.6 83.4

76 39.6 28.6 43.0





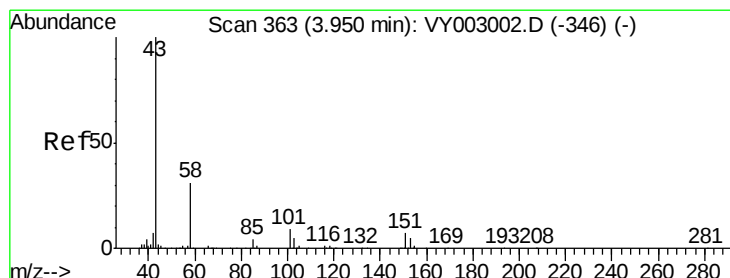
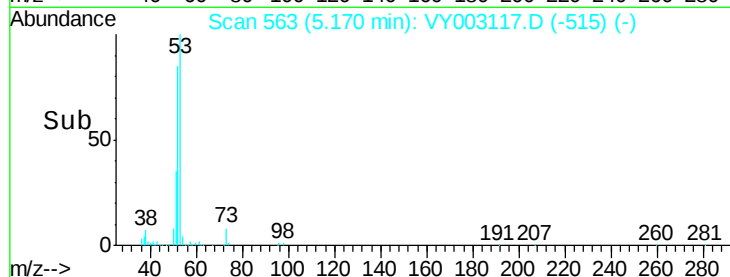
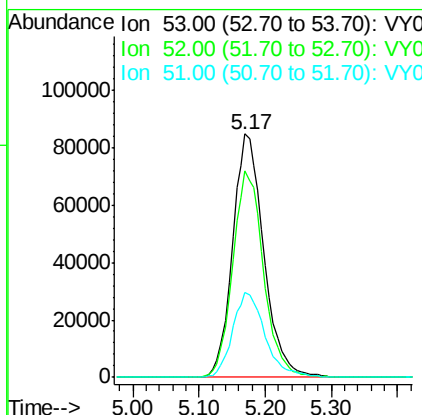
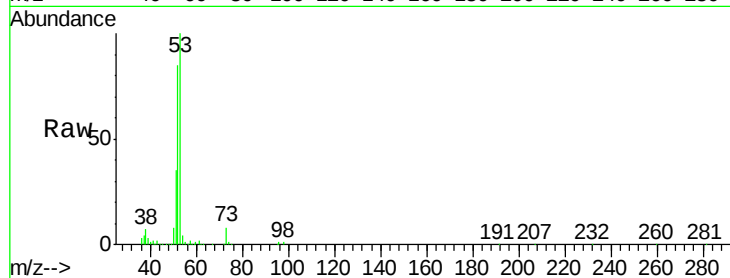
#15
 Acrylonitrile
 Concen: 240.131 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.2	99.2
51	36.4	29.5	44.3

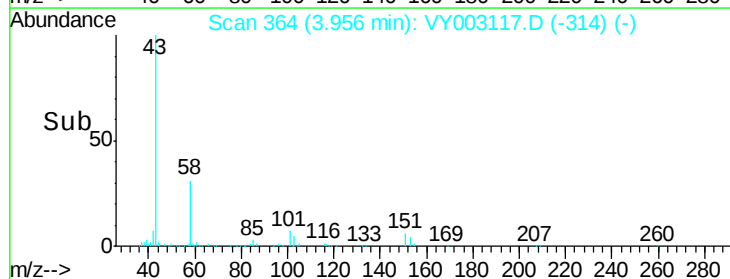
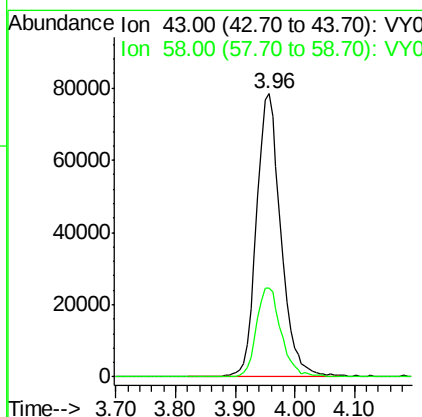
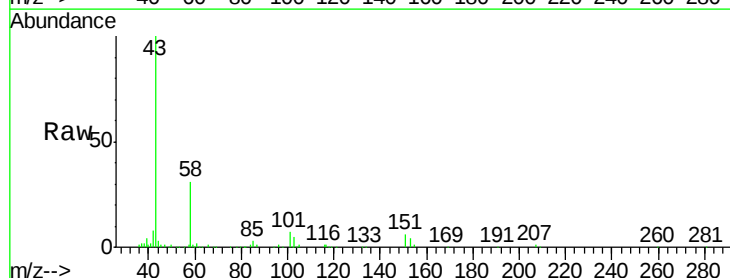
Manual Integrations
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#16
 Acetone
 Concen: 222.650 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.7	37.1





#17

Carbon Disulfide

Concen: 48.420 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 574185

Ion Ratio Lower Upper

76 100

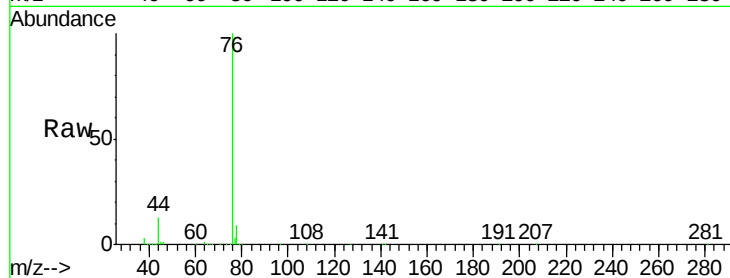
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

250000

200000

150000

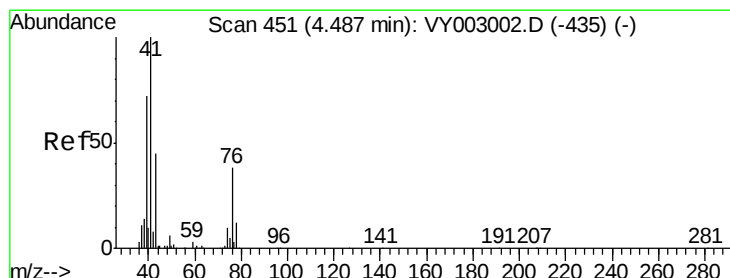
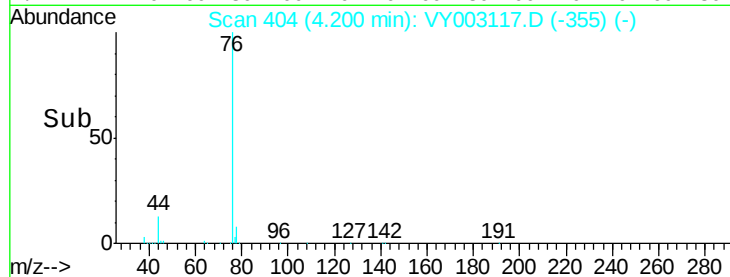
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 46.280 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003117.D

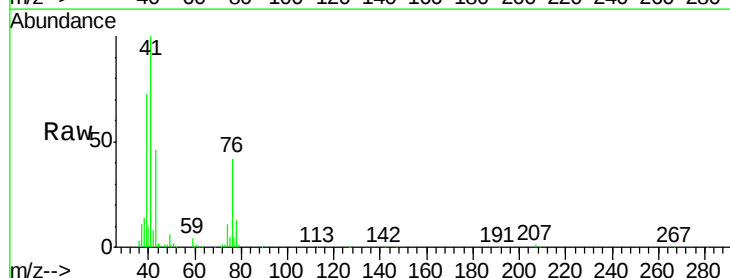
Acq: 07 Jul 2020 10:53

Tgt Ion: 43 Resp: 124972

Ion Ratio Lower Upper

43 100

74 24.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

40000

30000

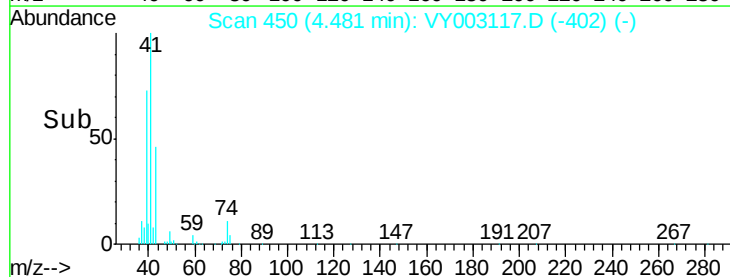
20000

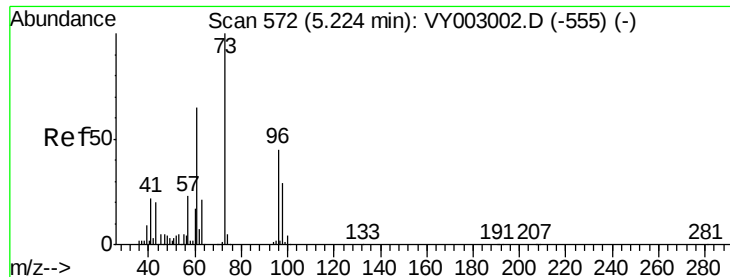
10000

0

4.40 4.50 4.60

Time-->





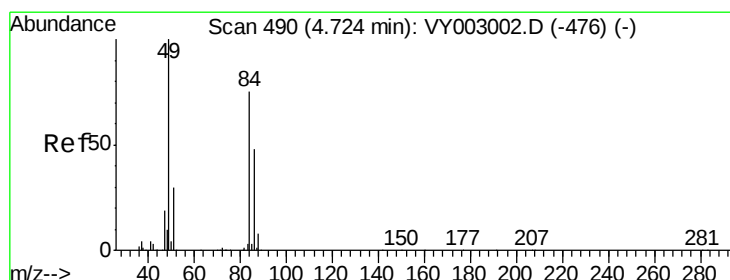
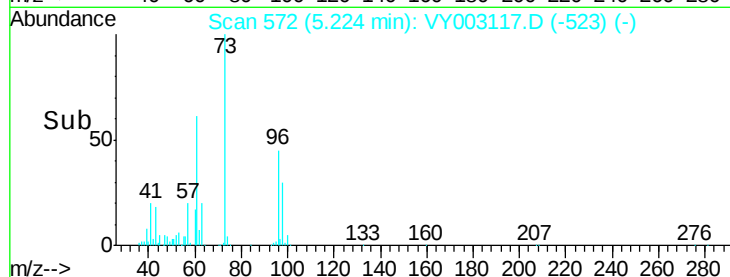
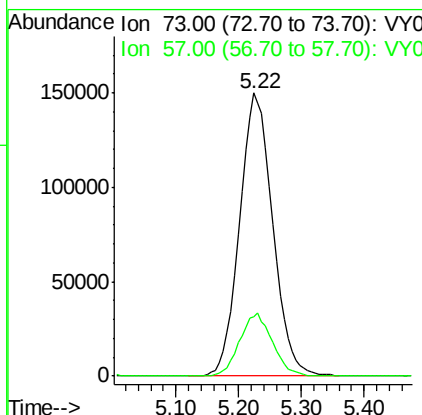
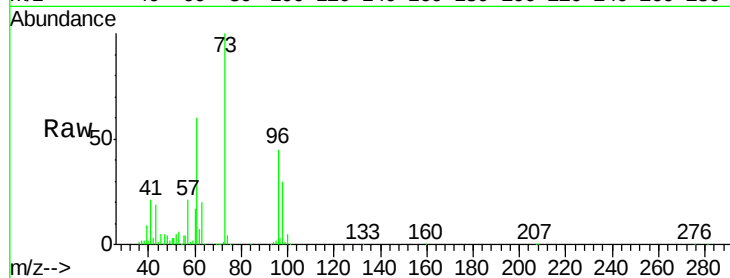
#19
Methvl tert-butvl Ether
Concen: 50.610 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 547541
Ion Ratio Lower Upper
73 100
57 20.8 18.2 27.2

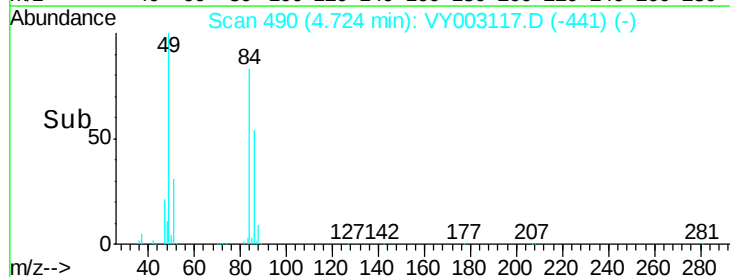
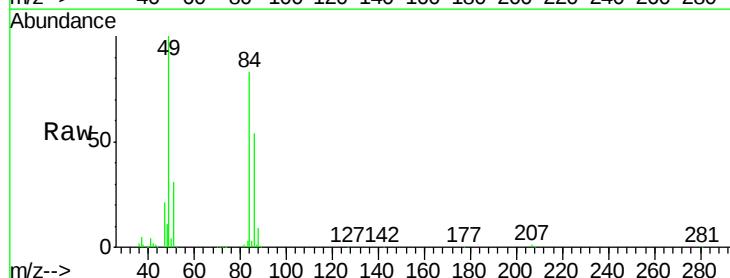
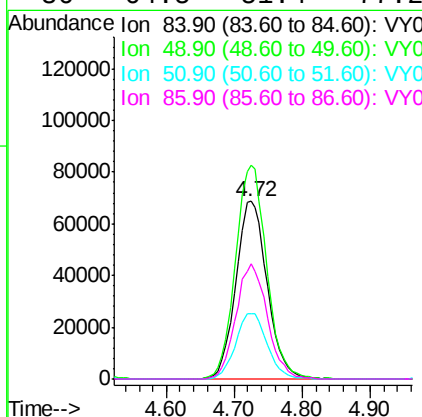
Manual Integrations
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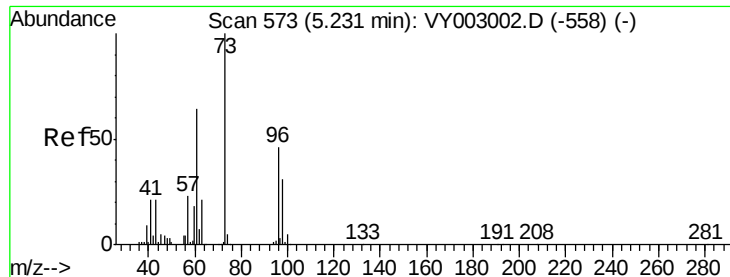
MMDadoda
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#20
Methylene Chloride
Concen: 48.999 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion: 84 Resp: 219777
Ion Ratio Lower Upper
84 100
49 120.1 106.8 160.2
51 36.7 32.0 48.0
86 64.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.299 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

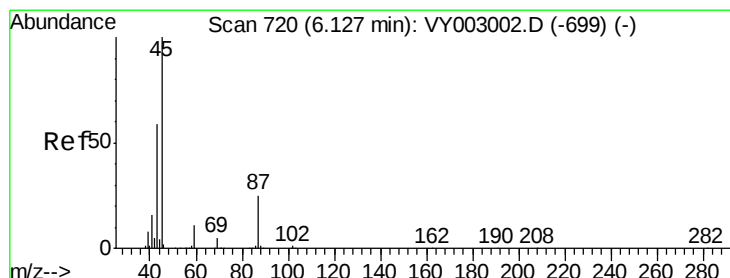
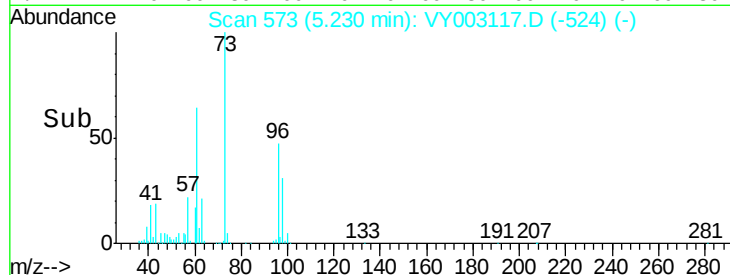
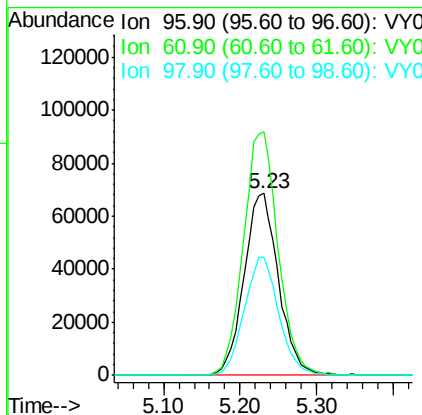
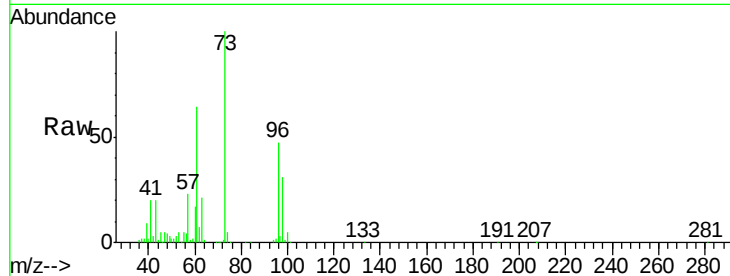
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	215367
Ion	Ratio	Lower	Upper
96	100		
61	133.9	112.3	168.5
98	64.9	53.8	80.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.798 ug/l

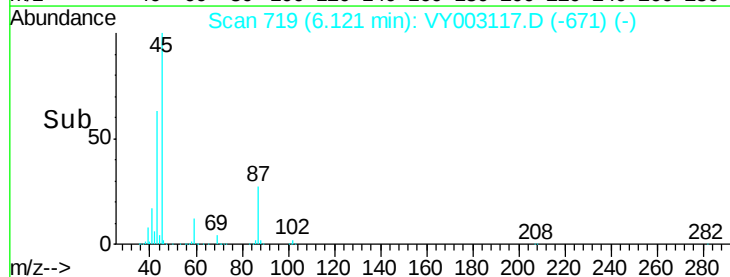
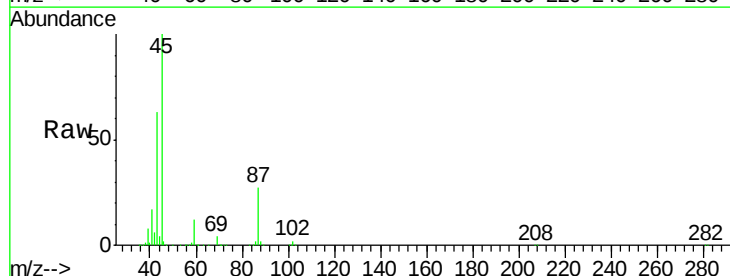
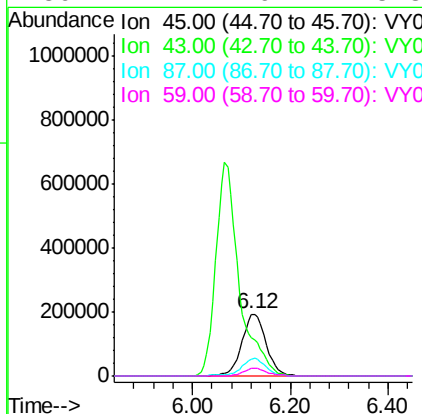
RT: 6.12 min Scan# 719

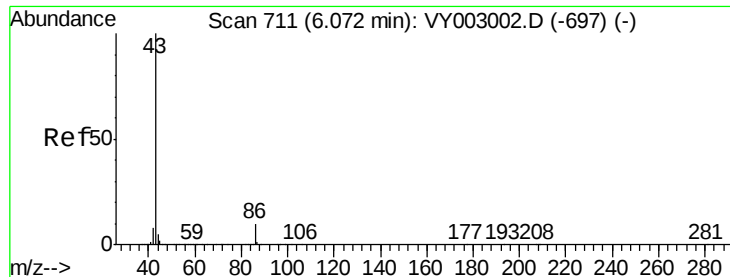
Delta R.T. -0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	45	Resp:	663872
Ion	Ratio	Lower	Upper
45	100		
43	62.7	47.4	71.2
87	27.5	20.2	30.2
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 238.374 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tot Ion: 43 Resp: 2213508

Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1

Instrument :

MSVOA_Y

ClientSampleId :

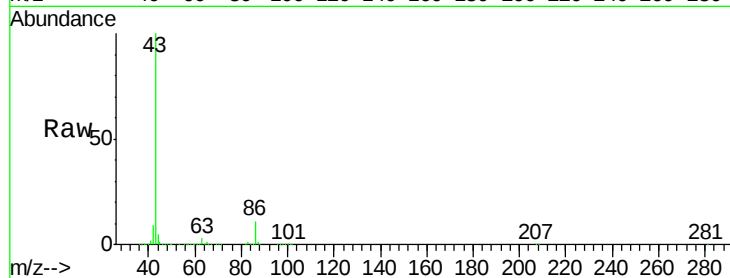
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

600000

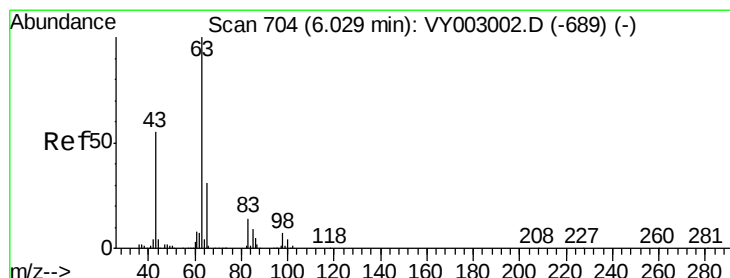
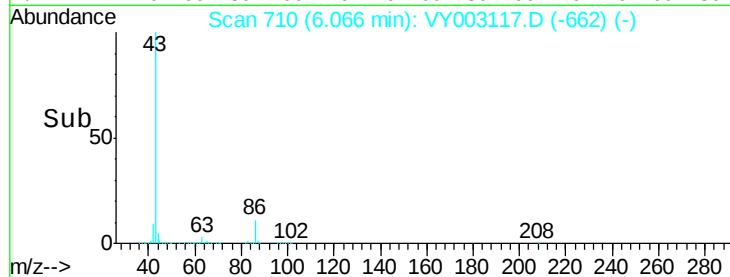
400000

200000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 50.143 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

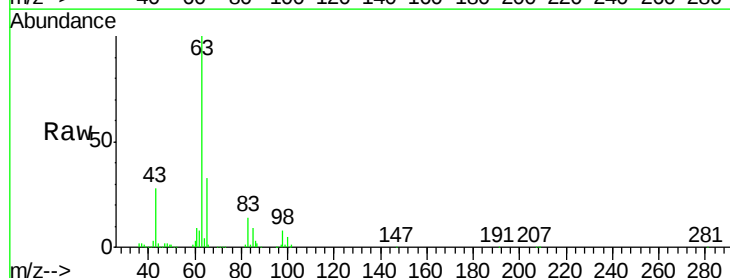
Tgt Ion: 63 Resp: 380438

Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 5.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

150000

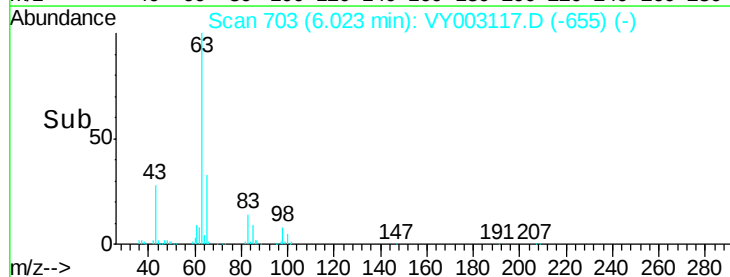
100000

50000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 227.472 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 362169

Ion Ratio Lower Upper

43 100

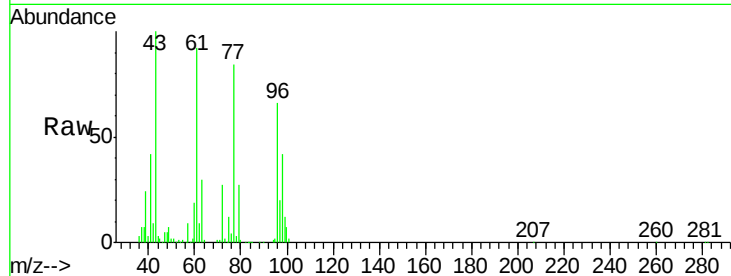
72 27.0 21.4 32.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

150000

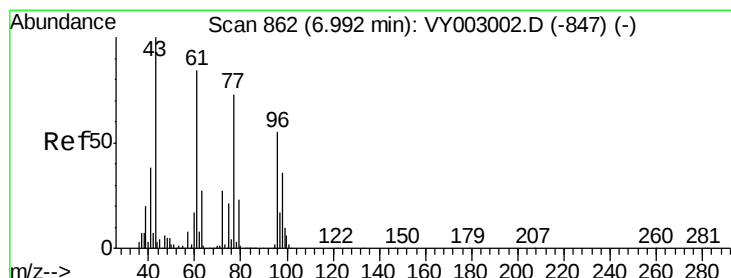
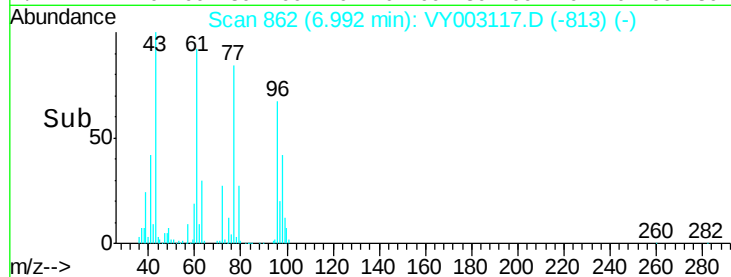
100000

50000

0

6.90 6.95 7.00 7.05

Time-->



#26

2,2-Dichloropropane

Concen: 50.440 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003117.D

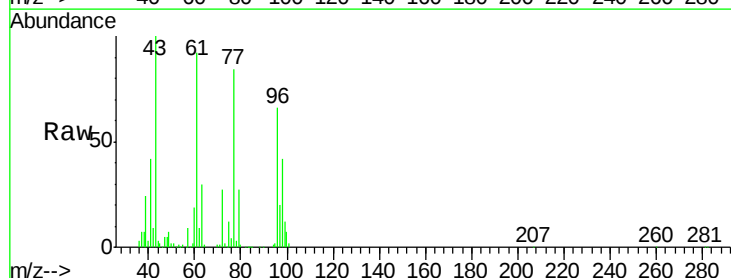
Acq: 07 Jul 2020 10:53

Tgt Ion: 77 Resp: 347698

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

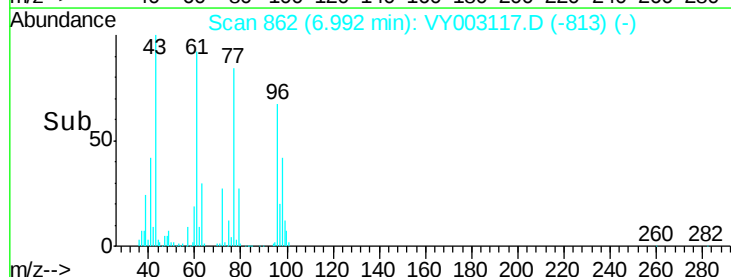
100000

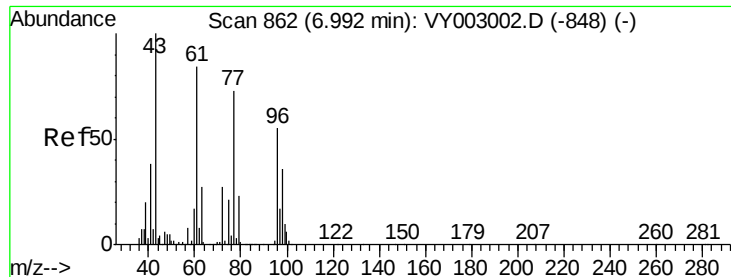
50000

0

6.90 7.00 7.10

Time-->





#27

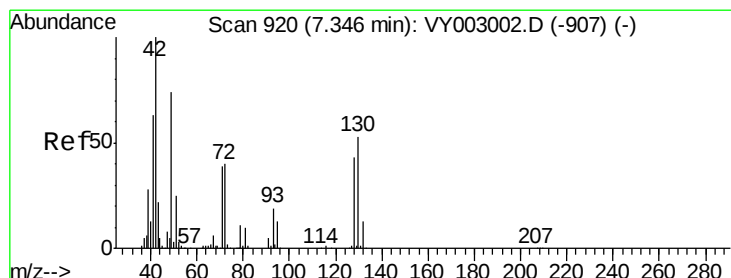
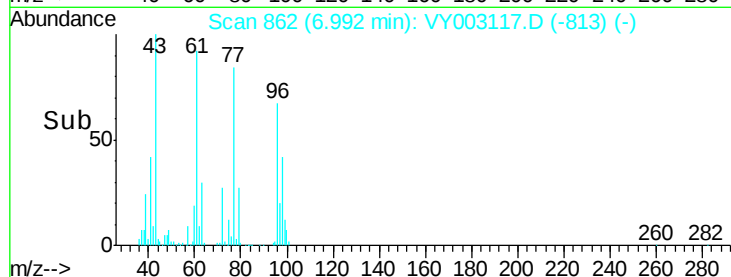
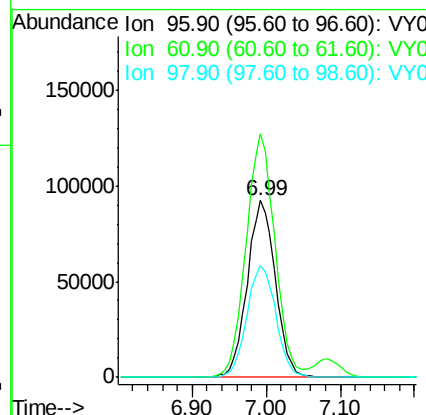
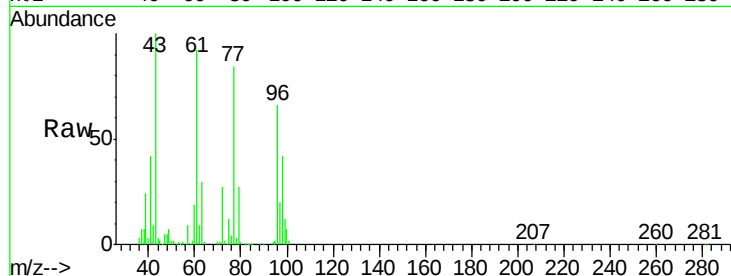
cis-1,2-Dichloroethene
Concen: 52.025 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	244981		
61	141.8	0.0	301.2	
98	65.2	0.0	129.0	

Manual Integrations
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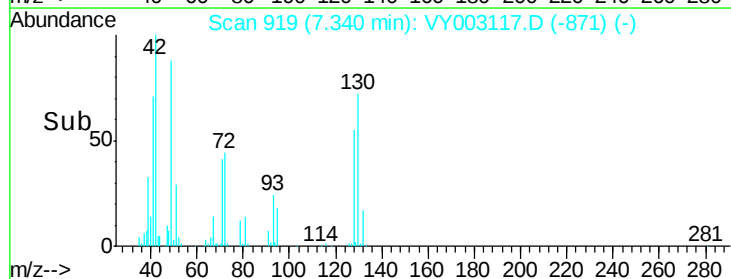
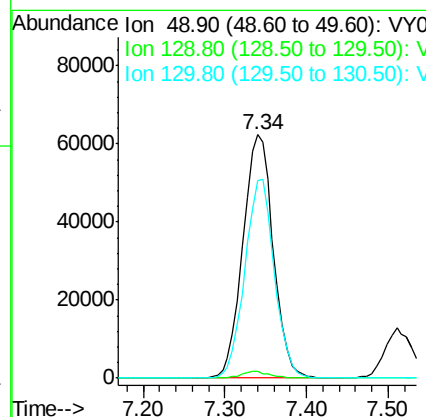
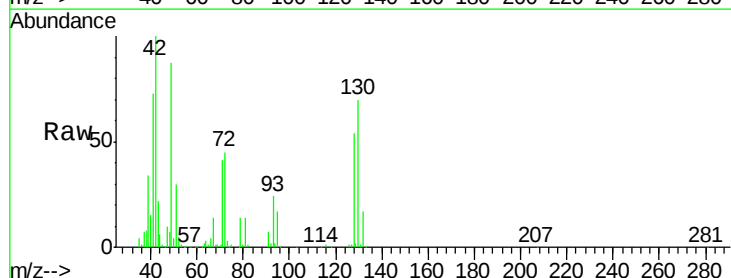
MMDadoda
7/8/2020 12:20:33 PM

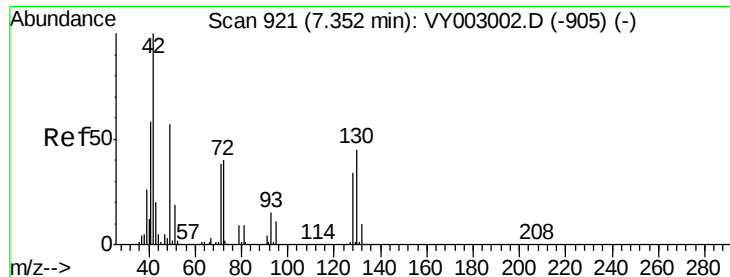


#28

Bromochloromethane
Concen: 47.600 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	160690		
129	2.5	0.0	4.4	
130	79.6	57.0	85.6	





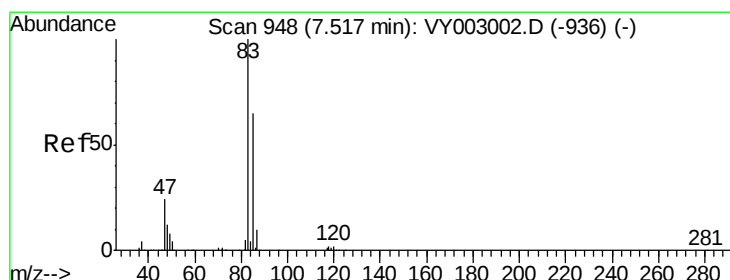
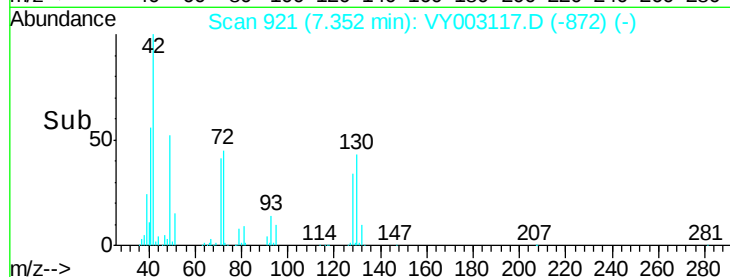
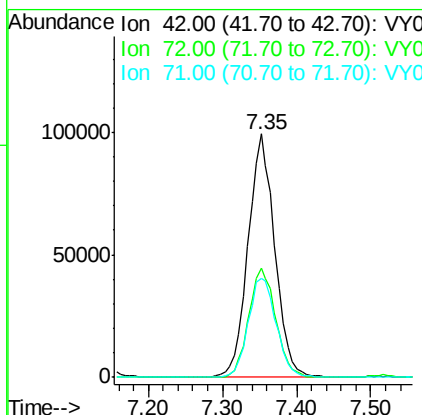
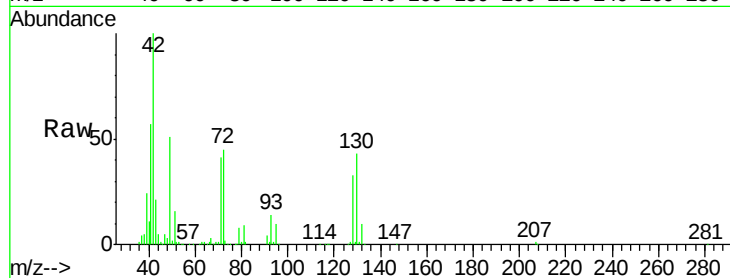
#29
Tetrahydrofuran
Concen: 236.174 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.9	49.3
71	42.6	31.2	46.8

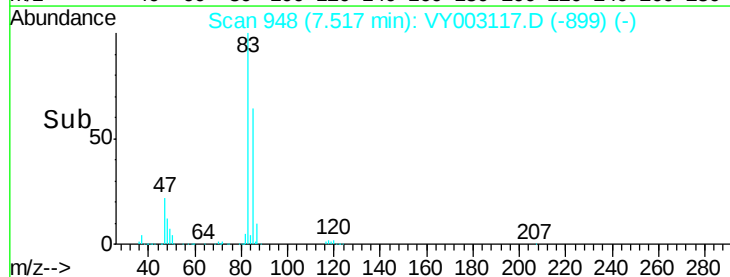
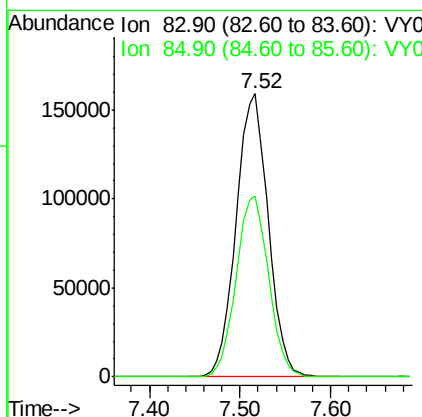
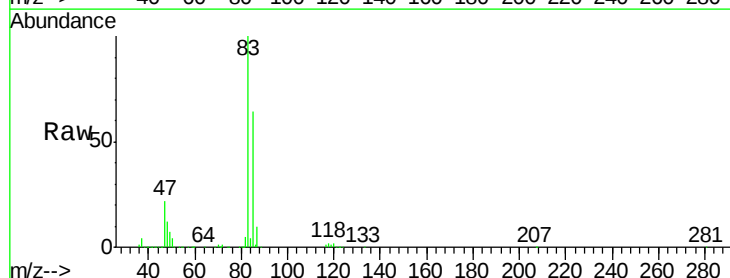
Manual Integrations
APPROVED

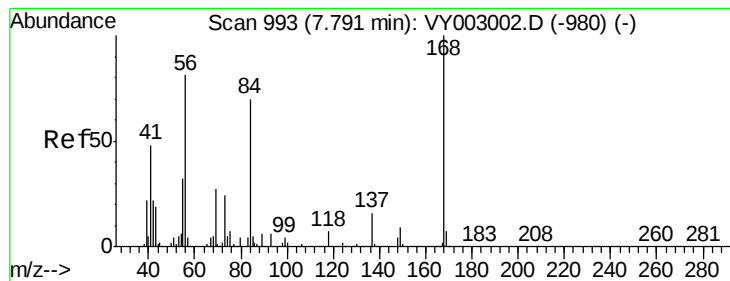
MMDadoda
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#30
Chloroform
Concen: 52.006 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5





#31

Cyclohexane

Concen: 45.540 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

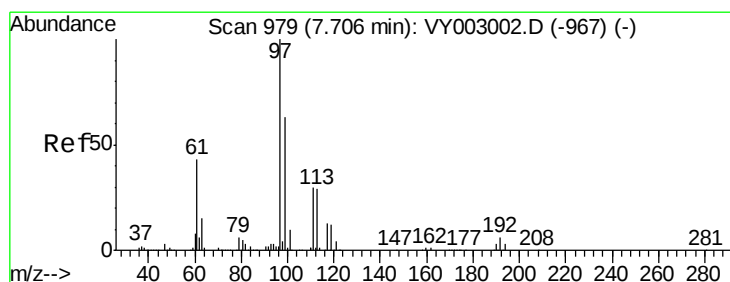
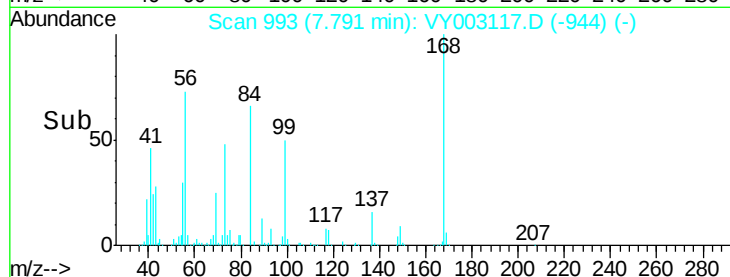
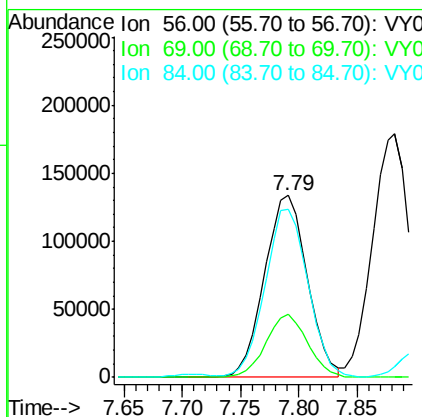
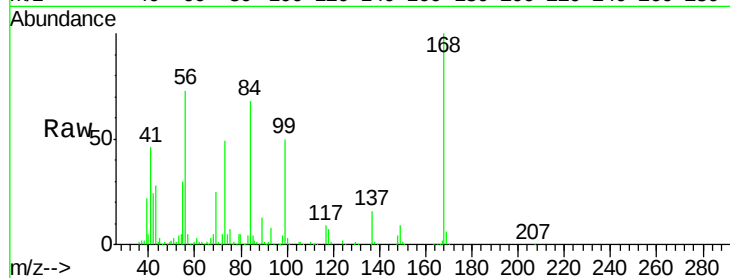
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	340383
Ion	Ratio	Lower	Upper
56	100		
69	34.7	27.0	40.4
84	90.8	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.141 ug/l

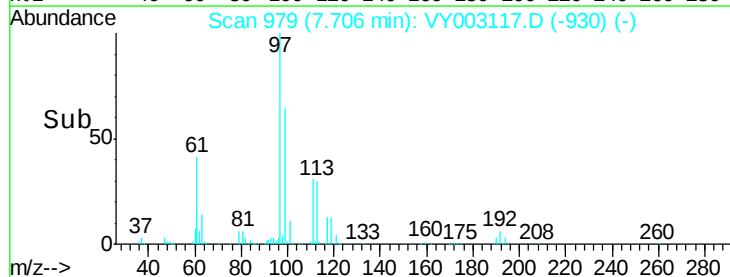
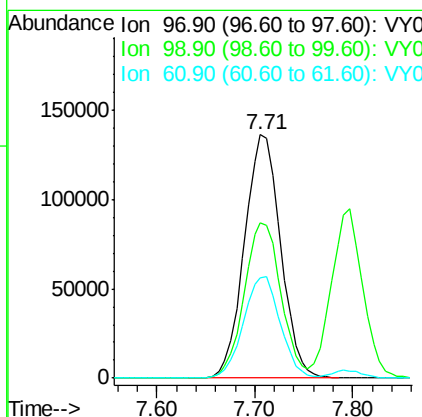
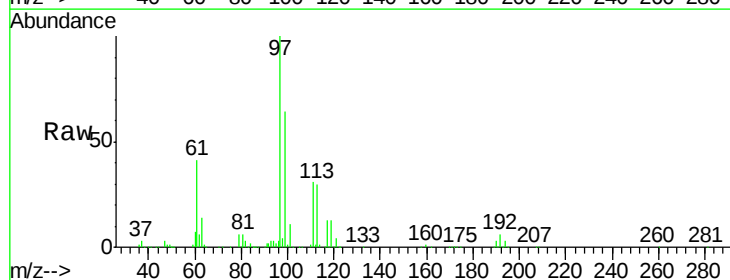
RT: 7.71 min Scan# 979

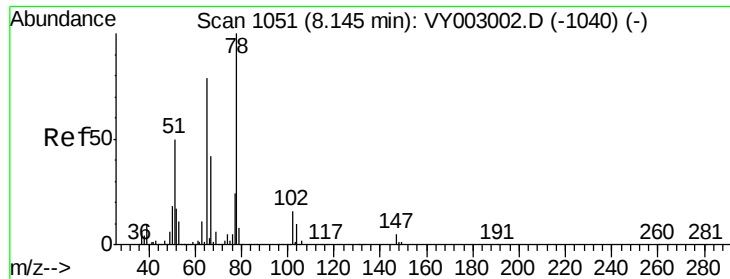
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	97	Resp:	350876
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	42.3	33.9	50.9





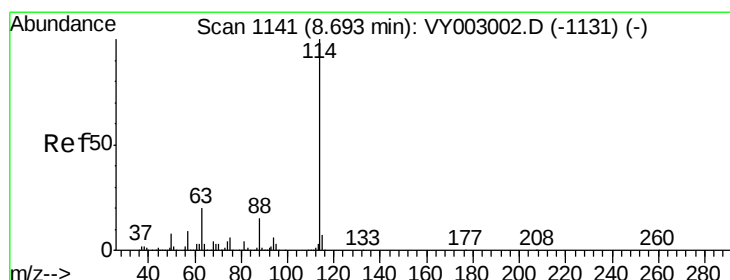
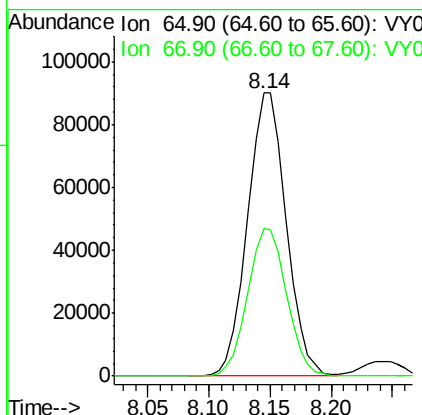
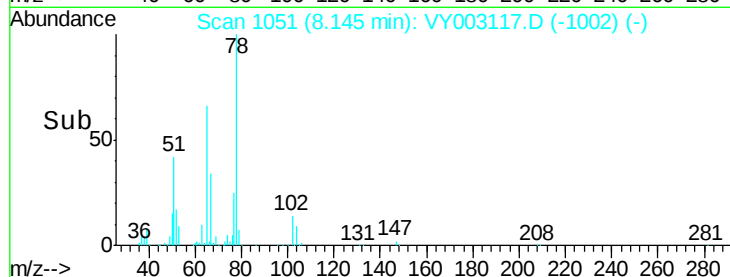
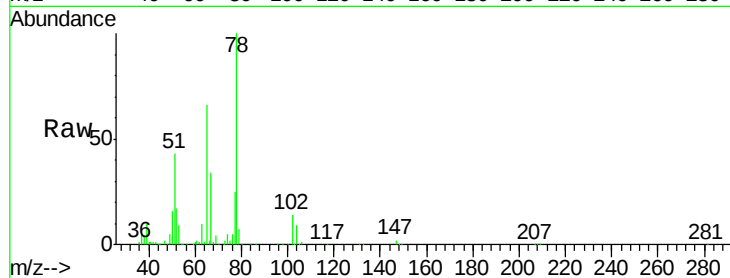
#33
 1,2-Dichloroethane-d4
 Concen: 46.790 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198847		
67	52.6	0.0	105.6	

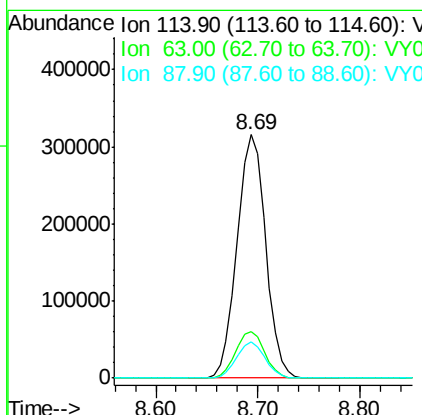
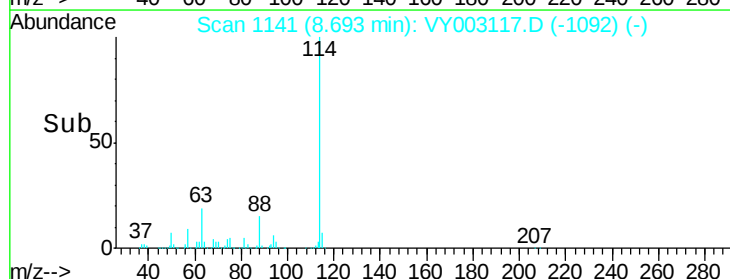
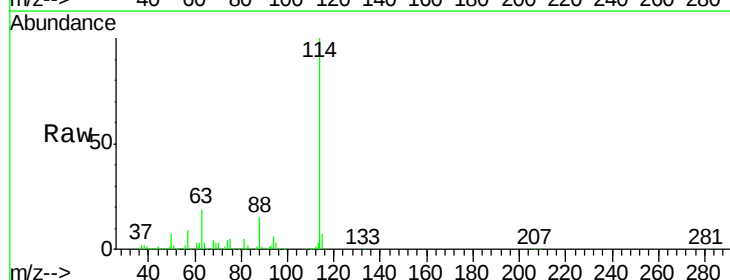
Manual Integrations
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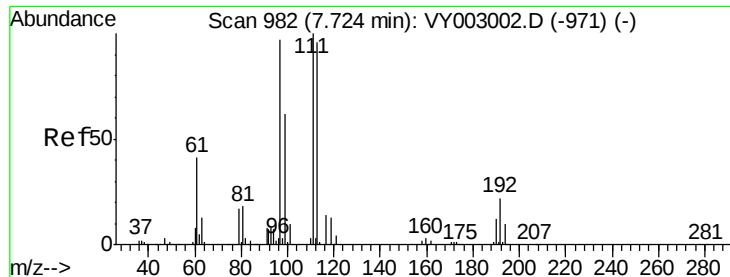
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 7/8/2020 12:20:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	615152		
63	19.3	0.0	40.6	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.323 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

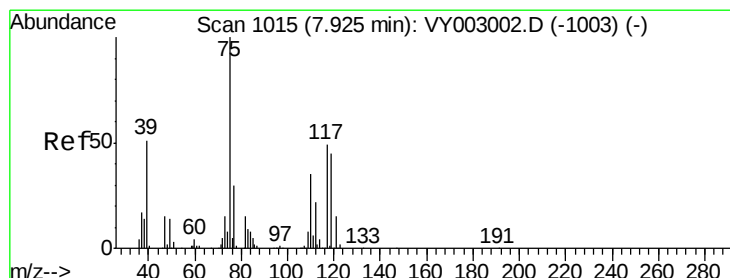
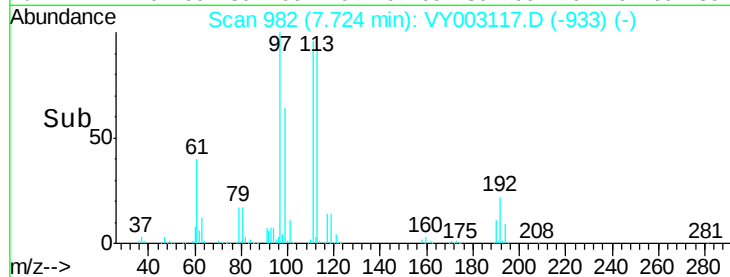
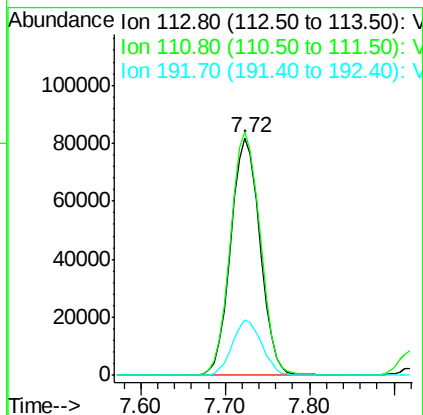
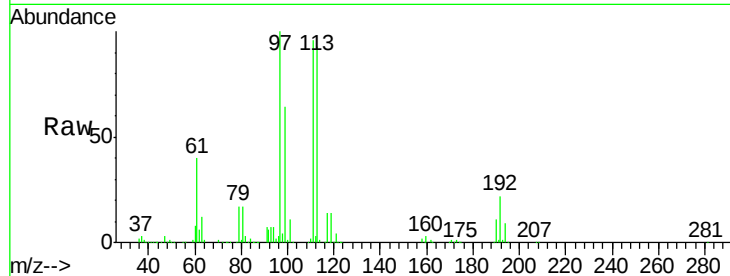
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	193110
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.6	123.8
192	23.3	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.798 ug/l

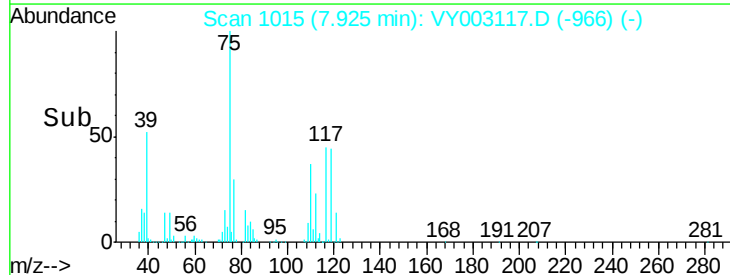
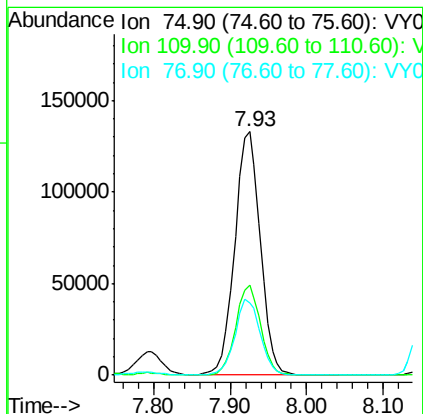
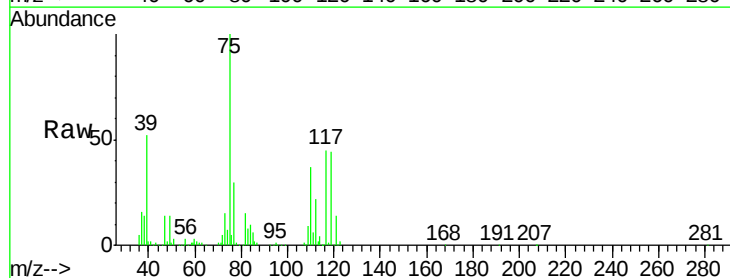
RT: 7.93 min Scan# 1015

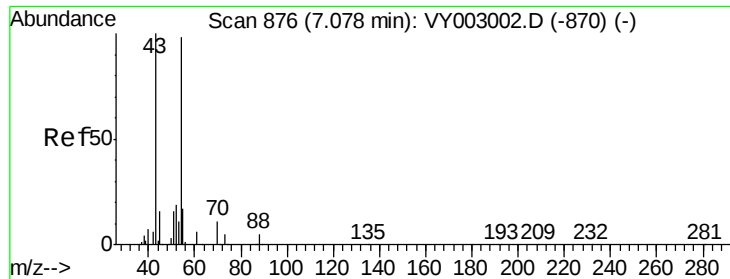
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	75	Resp:	306924
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.1	51.2
77	30.9	24.9	37.3





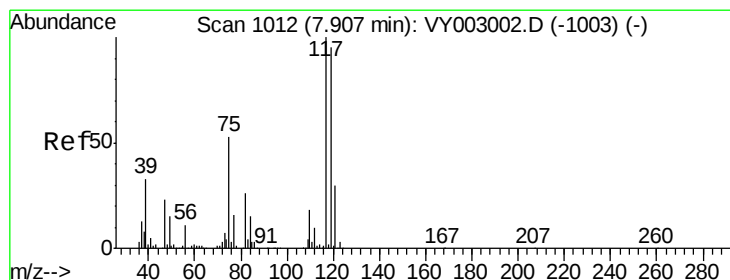
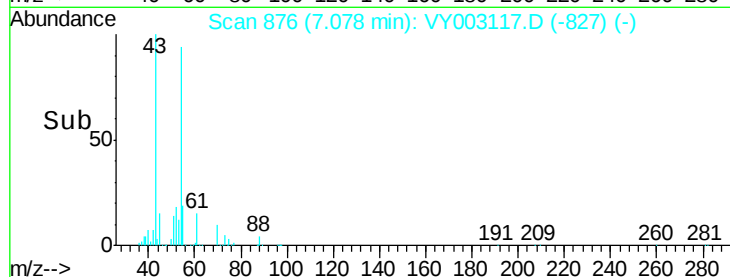
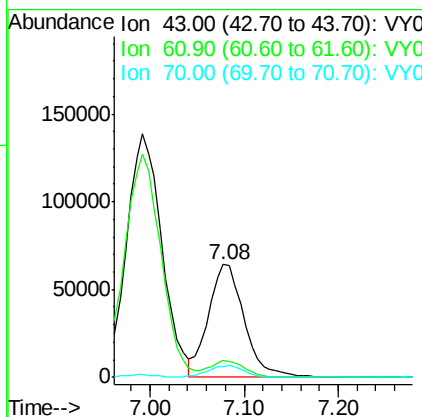
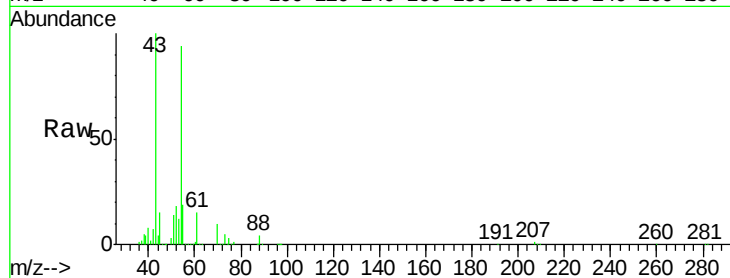
#37
Ethyl Acetate
Concen: 47.305 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.6	7.7	11.5

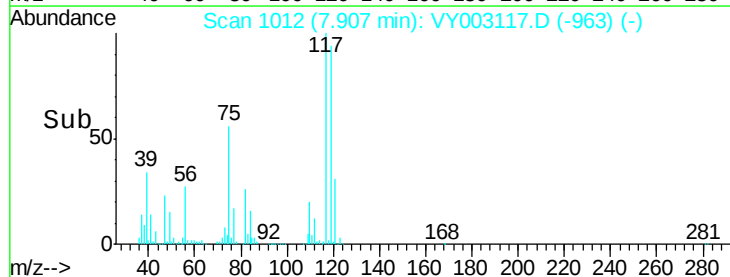
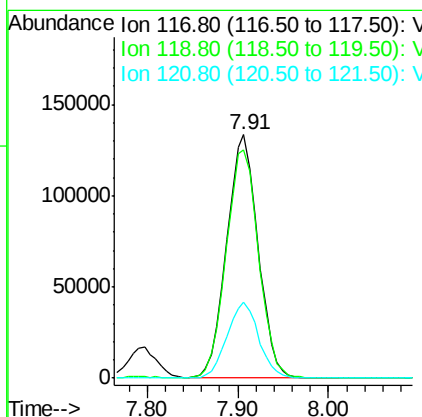
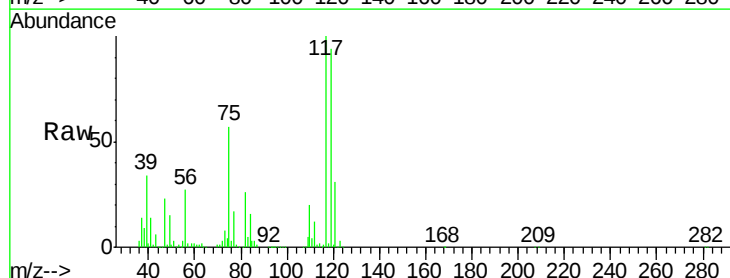
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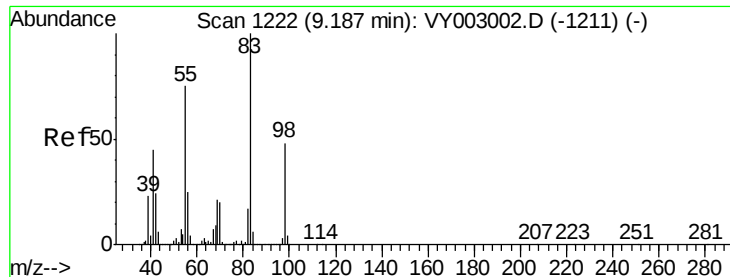
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#38
Carbon Tetrachloride
Concen: 51.926 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	30.9	23.9	35.9





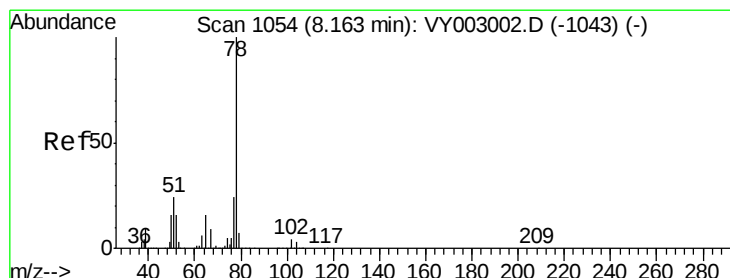
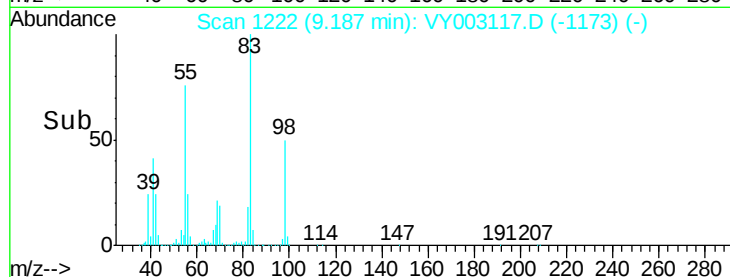
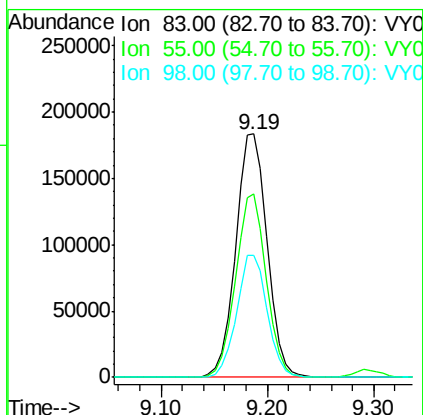
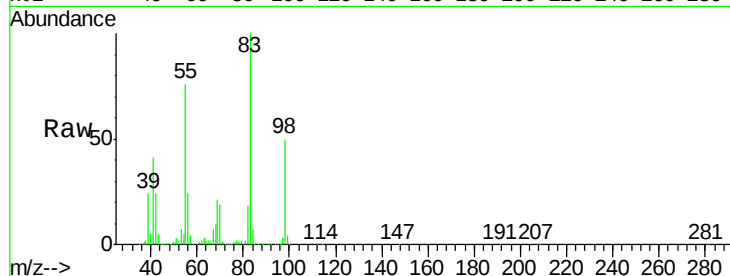
#39
Methylvlcvclohexane
Concen: 51.691 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.9	89.9
98	50.4	38.7	58.1

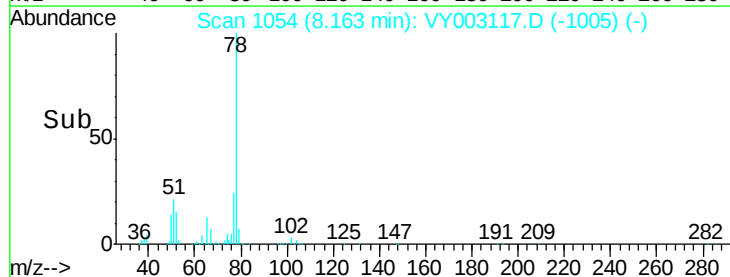
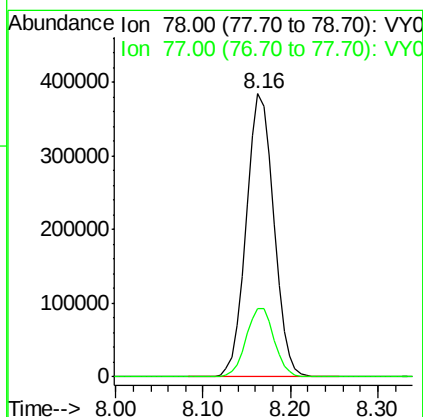
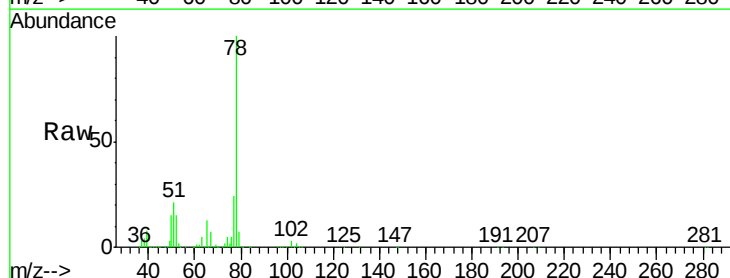
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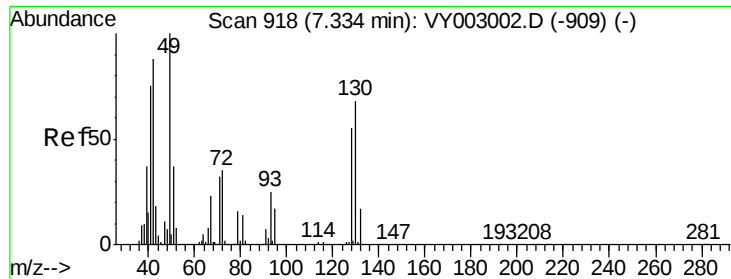
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#40
Benzene
Concen: 51.987 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





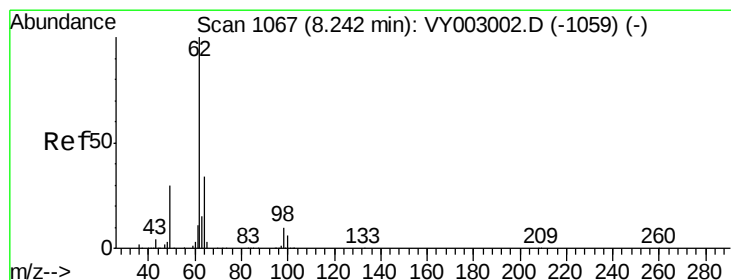
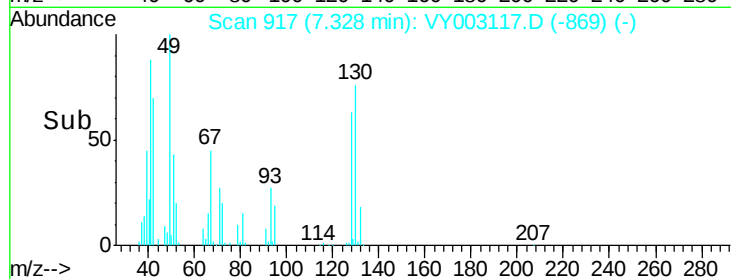
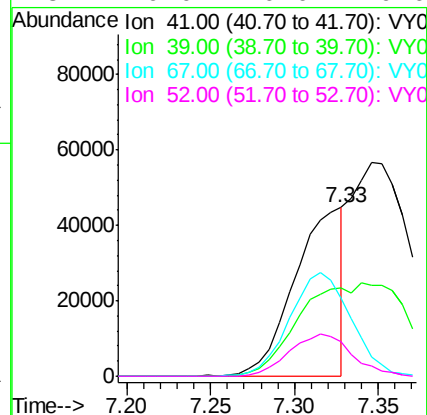
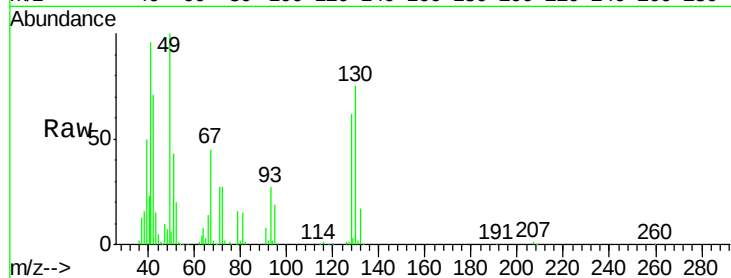
#41
Methacrylonitrile
Concen: 47.554 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	90501
Ion	Ratio	Lower	Upper
41	100		
39	123.1	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

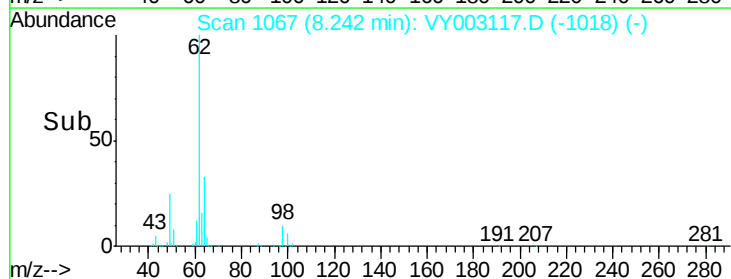
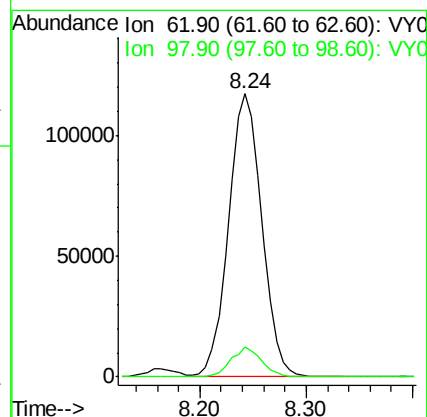
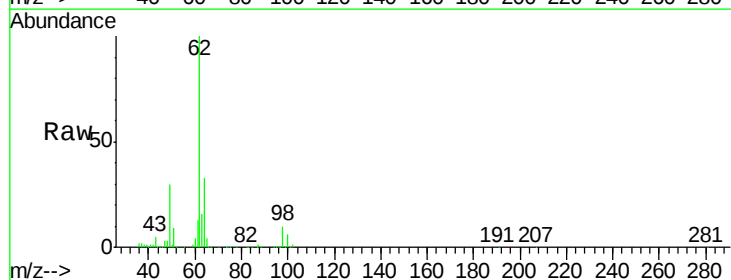
Manual Integrations
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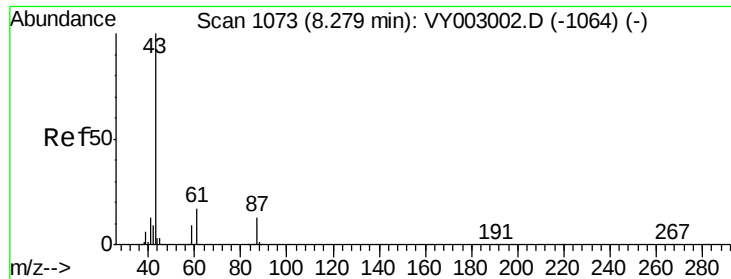
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#42
1,2-Dichloroethane
Concen: 50.040 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	62	Resp	256801
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.2





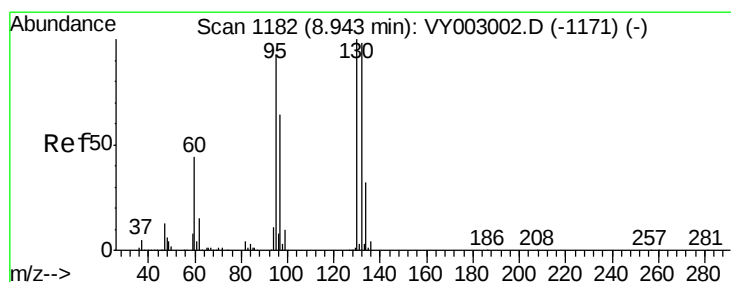
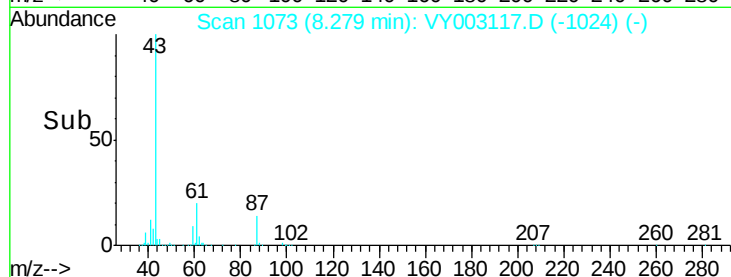
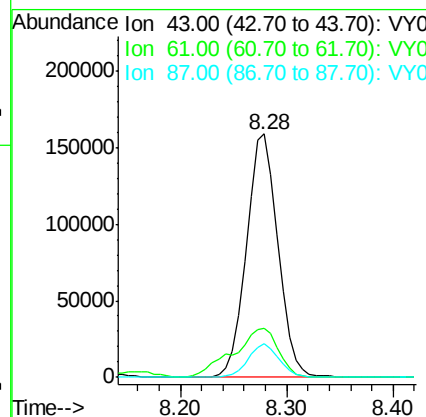
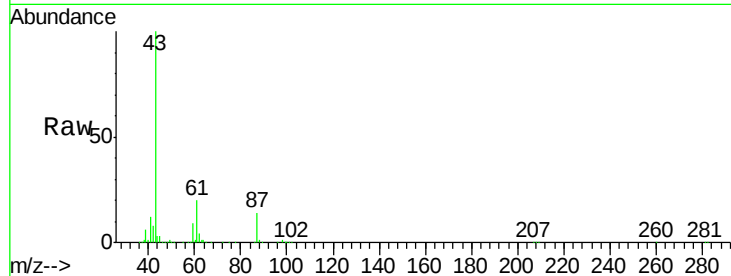
#43
Isopropyl Acetate
Concen: 48.556 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	21.8	32.6
87	13.7	10.1	15.1

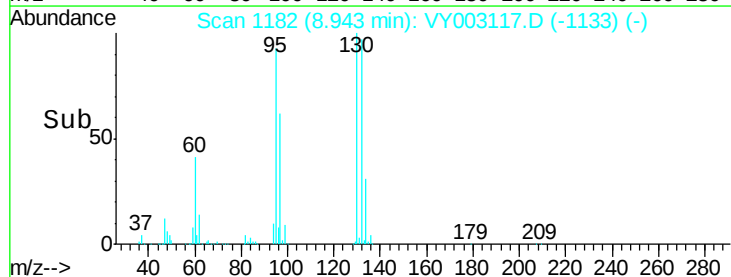
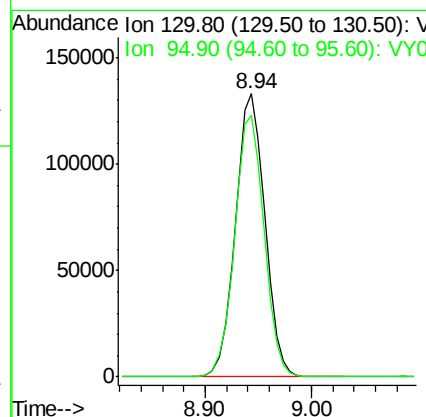
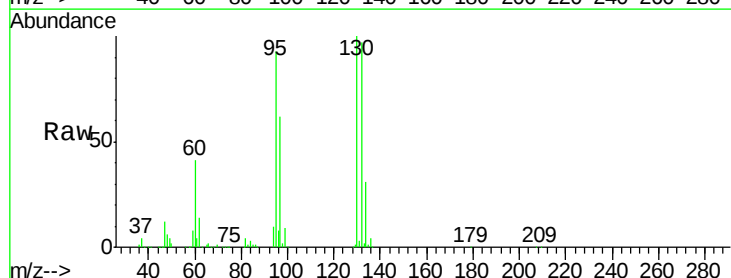
Manual Integrations
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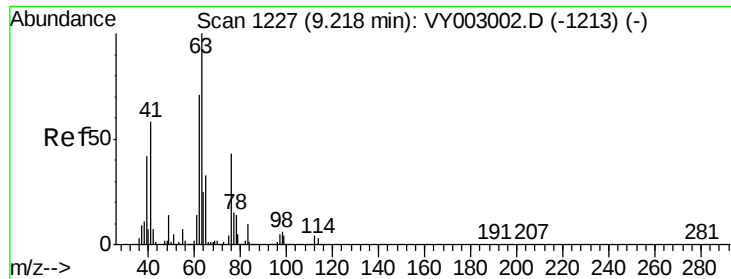
MMDadoda
7/8/2020 12:20:33 PM



#44
Trichloroethene
Concen: 54.848 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	186.4





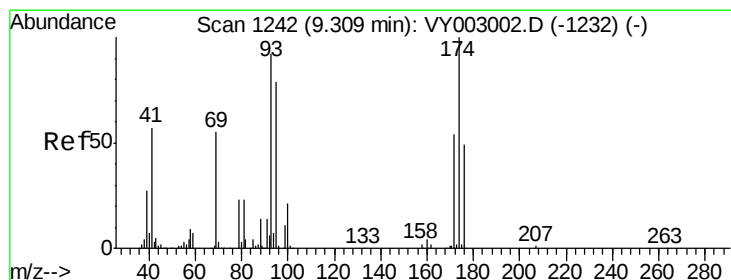
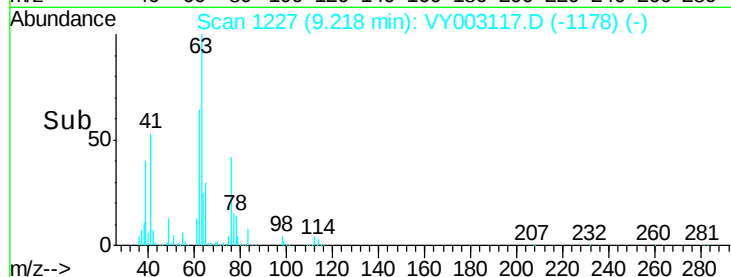
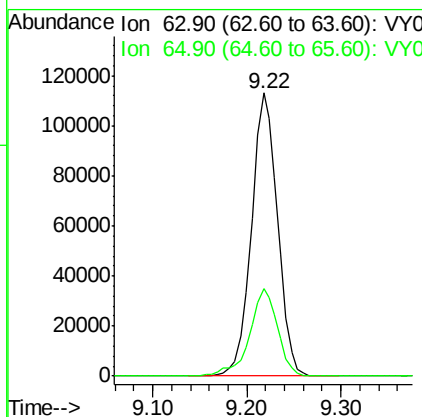
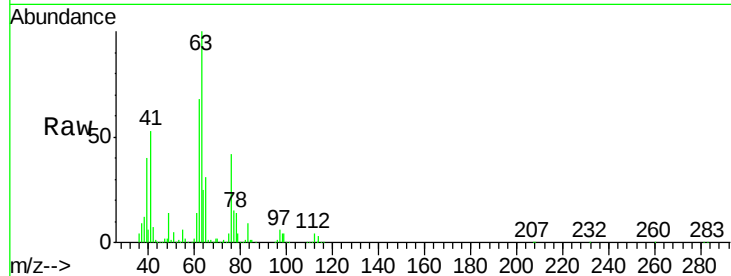
#45
 1,2-Dichloropropane
 Concen: 50.481 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	26.2	39.4

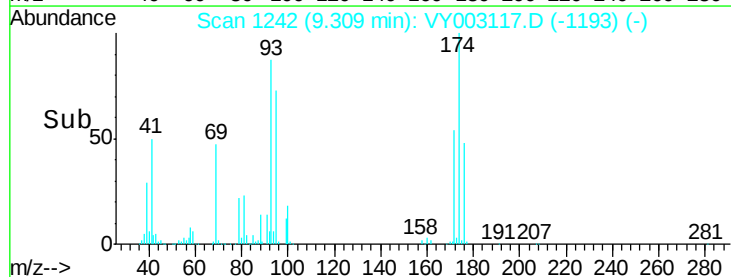
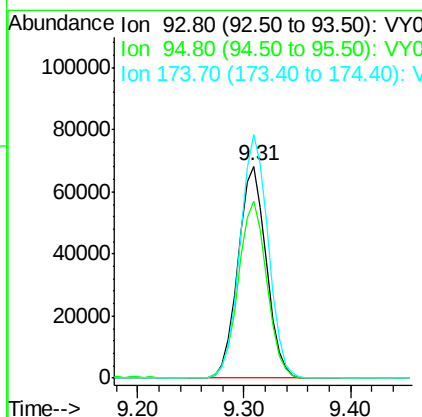
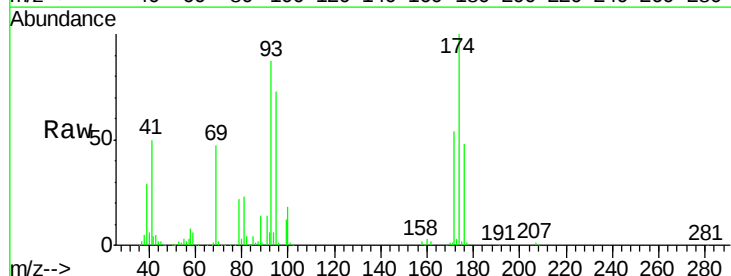
Manual Integrations
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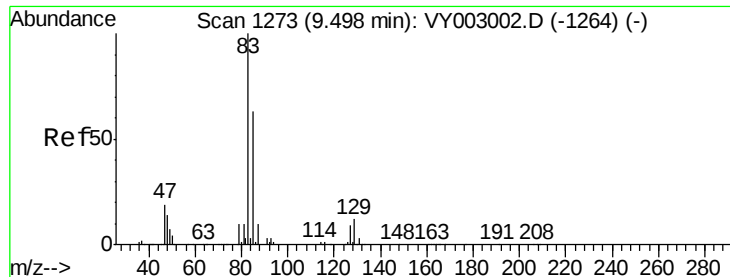
MMDadoda
 7/8/2020 12:20:33 PM



#46
 Dibromomethane
 Concen: 52.167 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.6	101.4
174	114.5	88.3	132.5





#47

Bromodichloromethane

Concen: 51.997 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

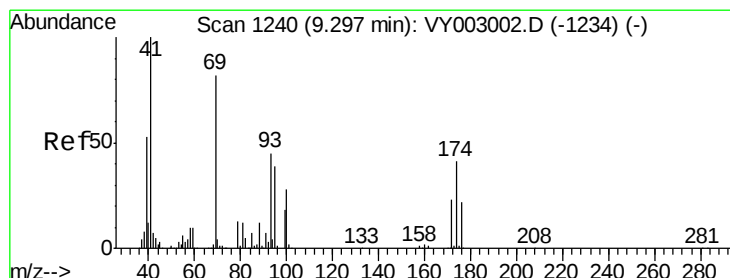
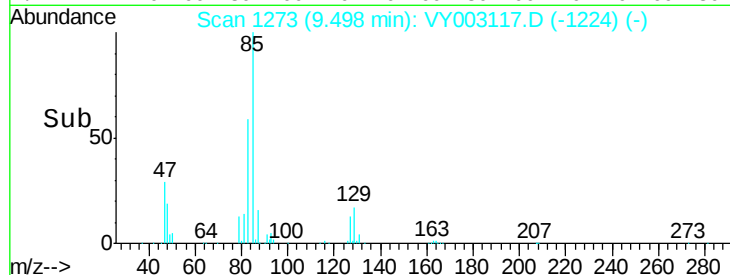
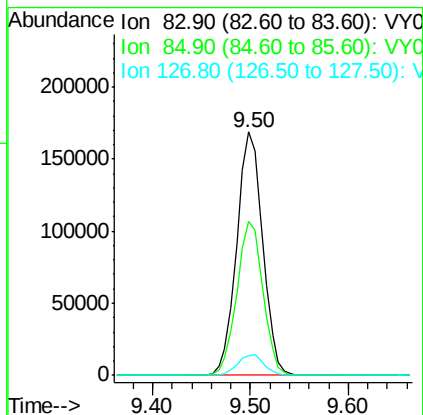
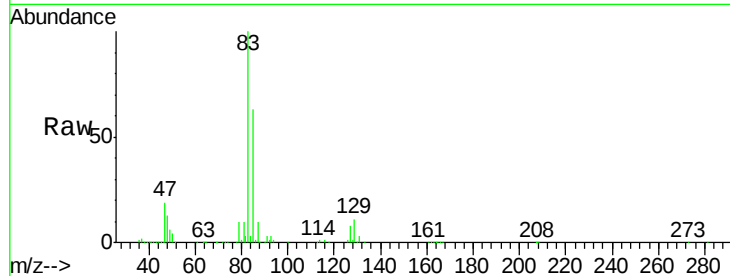
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	310353
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.5	75.7
127	8.2	7.0	10.4

Manual Integrations
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MMDadoda
7/8/2020 12:20:33 PM



#48

Methyl methacrylate

Concen: 47.345 ug/l

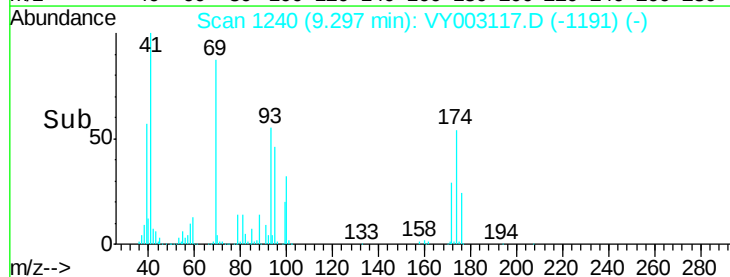
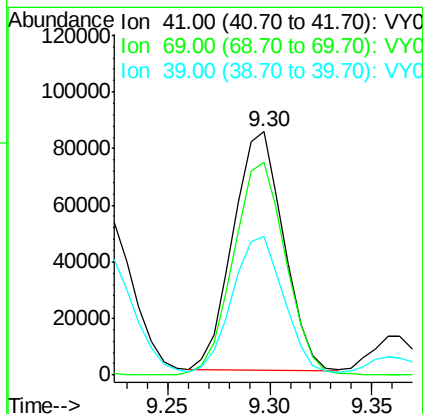
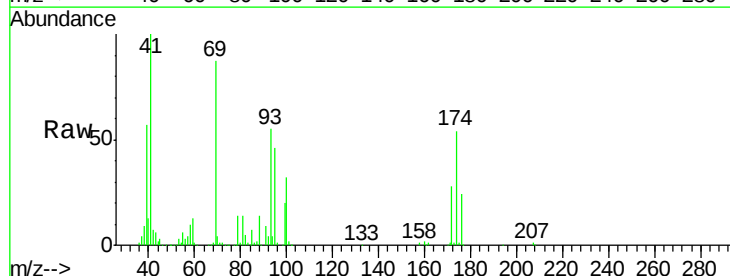
RT: 9.30 min Scan# 1240

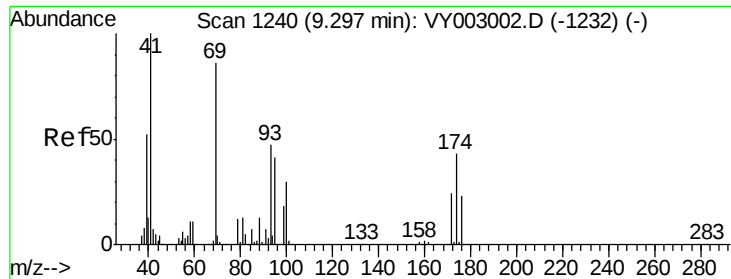
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	41	Resp:	145954
Ion	Ratio	Lower	Upper
41	100		
69	92.2	67.7	101.5
39	57.4	45.0	67.4





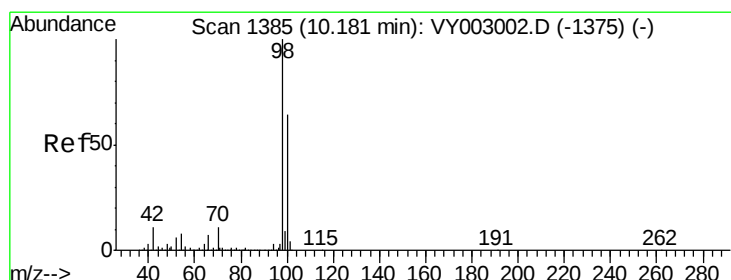
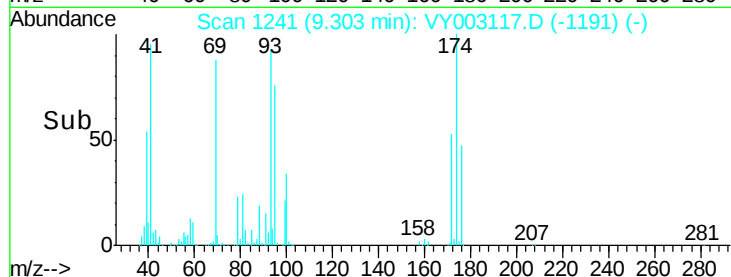
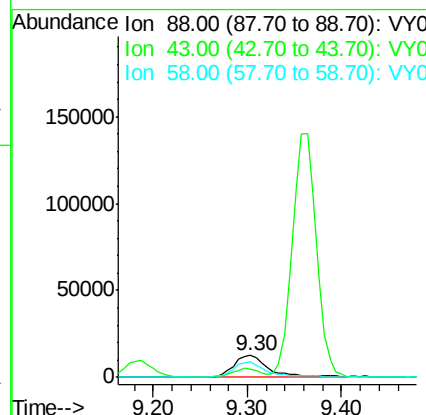
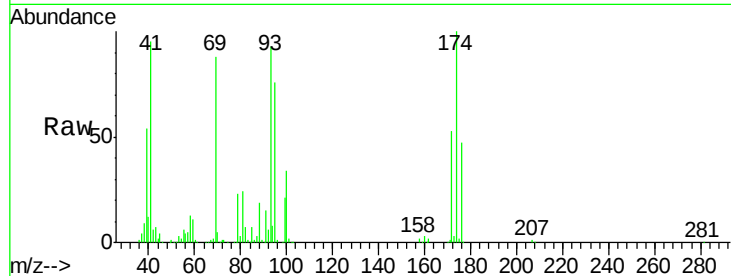
#49
1,4-Dioxane
Concen: 1113.550 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	33134
Ion	Ratio	Lower	Upper
88	100		
43	30.1	28.6	42.8
58	68.1	56.7	85.1

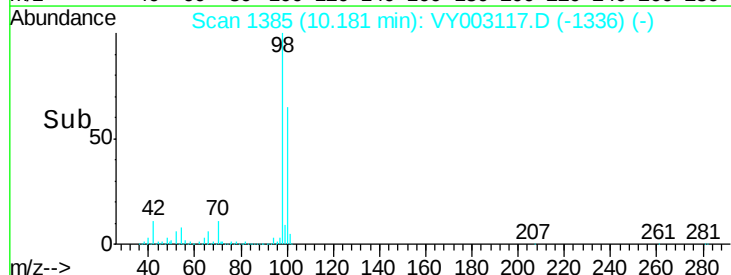
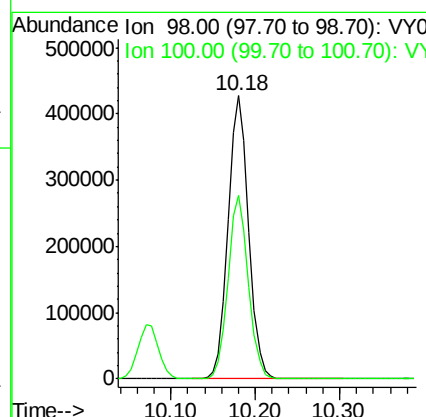
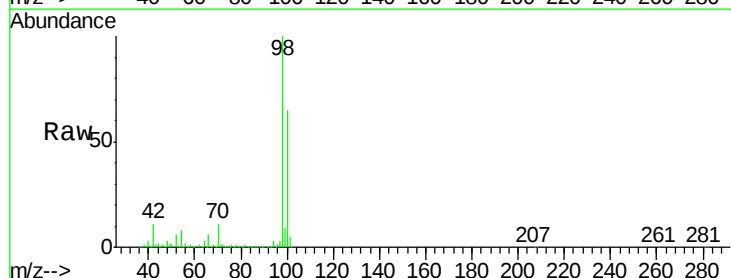
Manual Integrations
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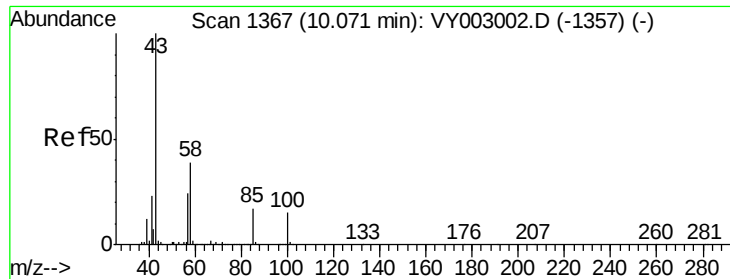
MMDadoda
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#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	98	Resp	712358
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 245.695 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 860074

Ion Ratio Lower Upper

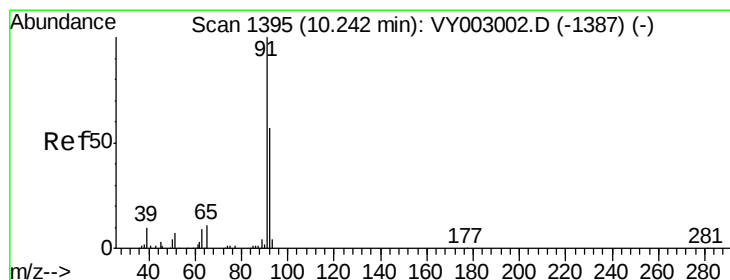
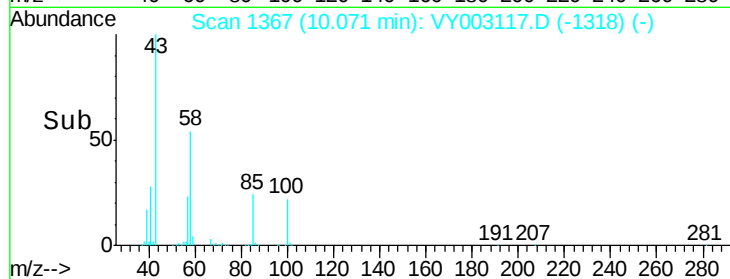
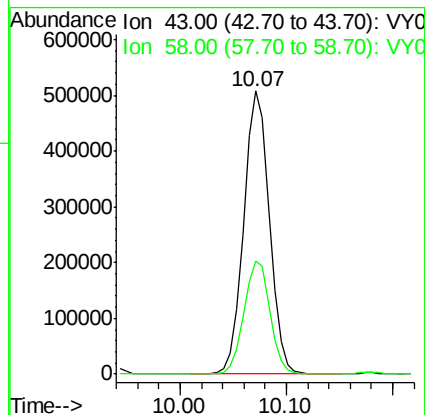
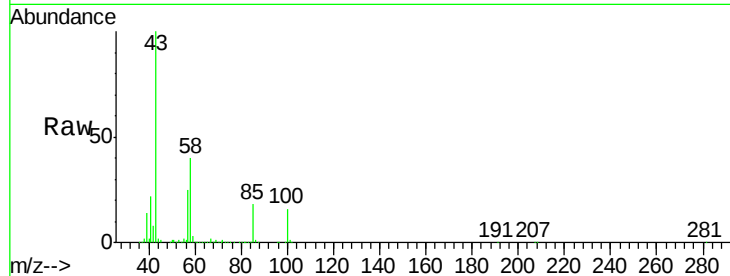
43 100

58 40.6 31.1 46.7

Manual Integrations
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#52

Toluene

Concen: 52.440 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003117.D

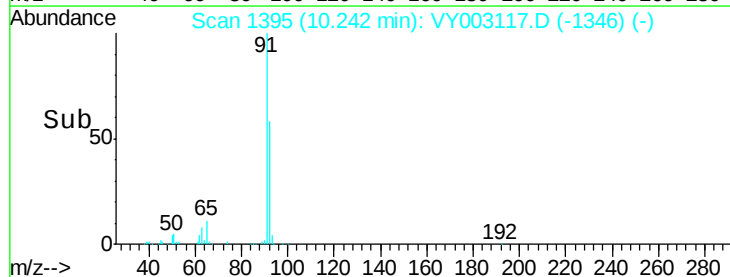
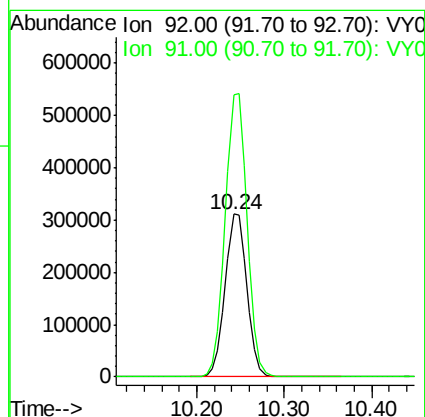
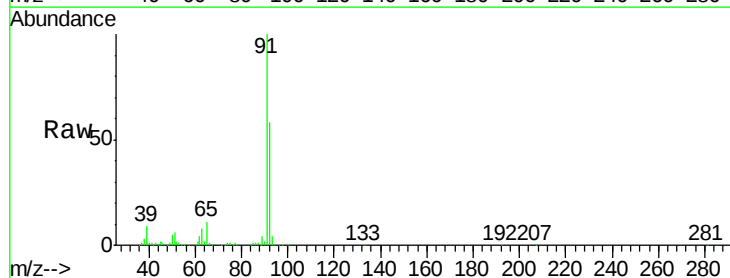
Acq: 07 Jul 2020 10:53

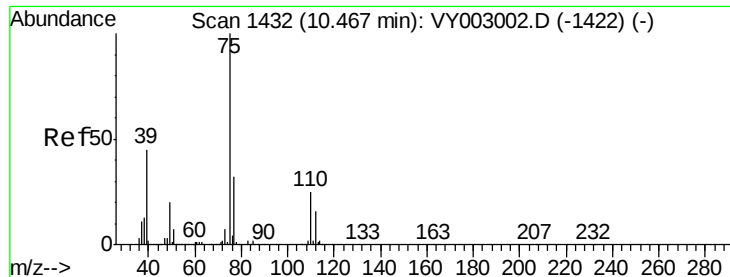
Tgt Ion: 92 Resp: 535515

Ion Ratio Lower Upper

92 100

91 175.5 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 51.765 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 323933

Ion Ratio Lower Upper

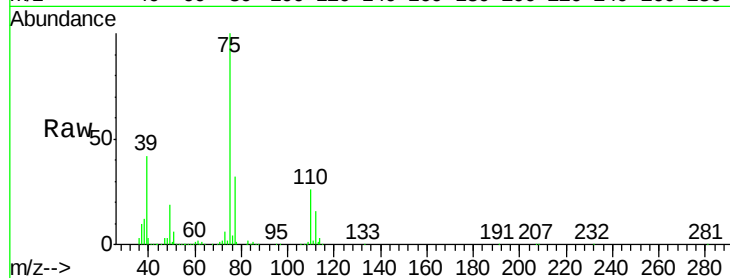
75 100

77 32.0 25.9 38.9

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

200000

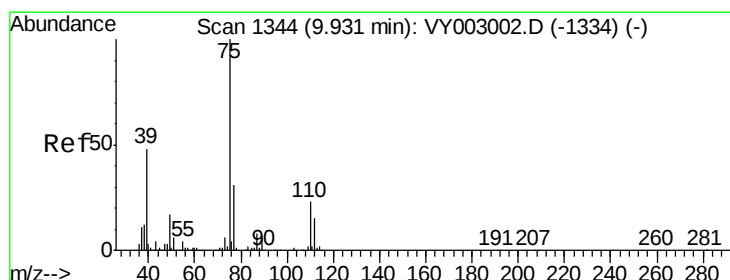
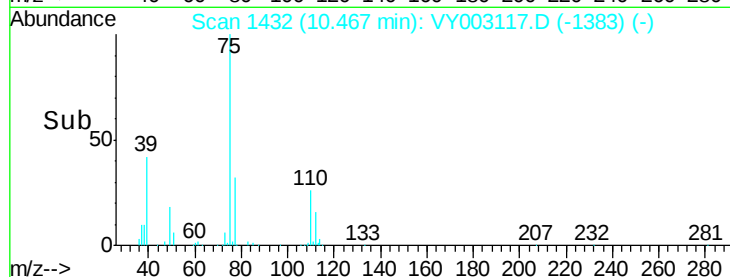
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.442 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

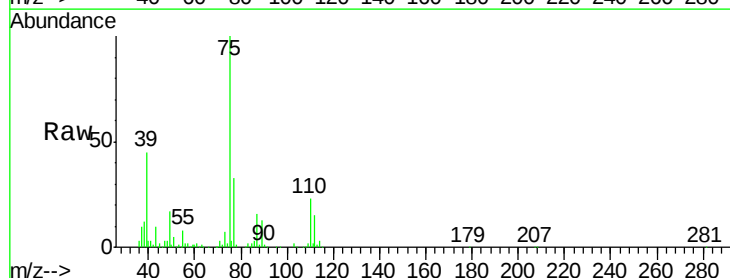
Tgt Ion: 75 Resp: 368157

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0

39 45.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

300000

250000

200000

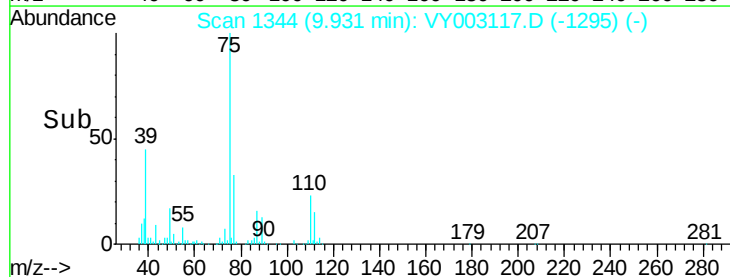
150000

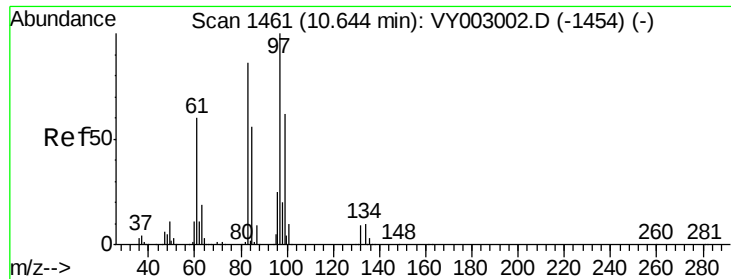
100000

50000

0

Time-->





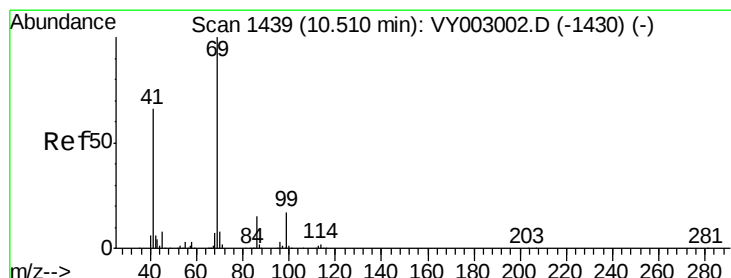
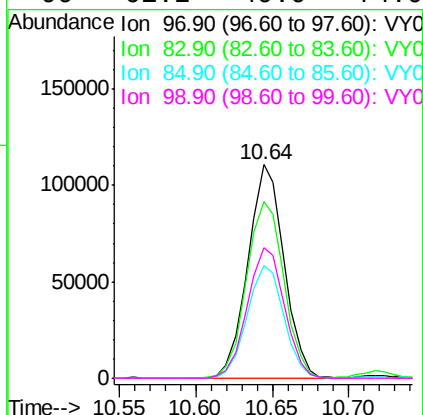
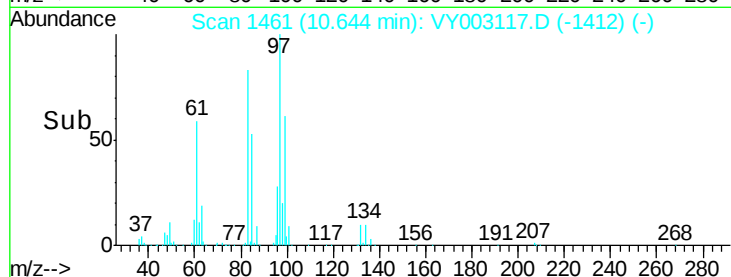
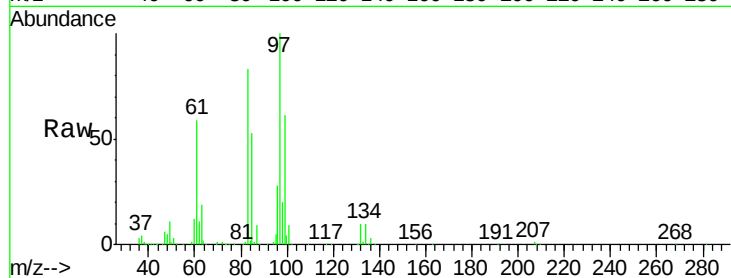
#55
 1,1,2-Trichloroethane
 Concen: 53.641 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	181694
Ion	Ratio	Lower	Upper
97	100		
83	82.9	69.0	103.6
85	52.8	44.8	67.2
99	61.2	49.9	74.9

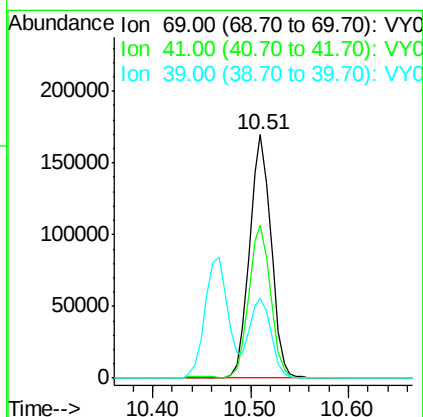
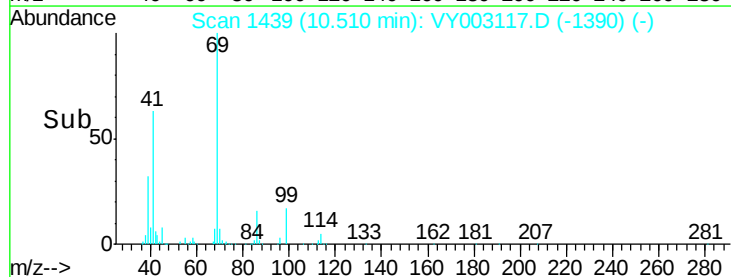
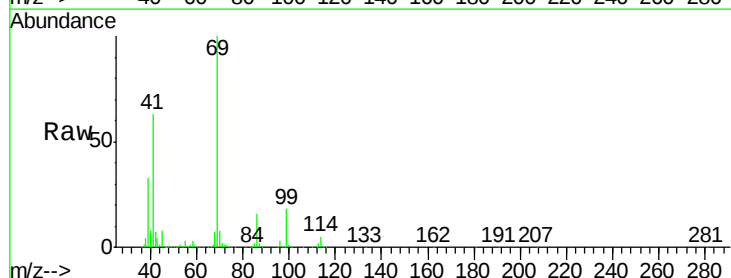
Manual Integrations
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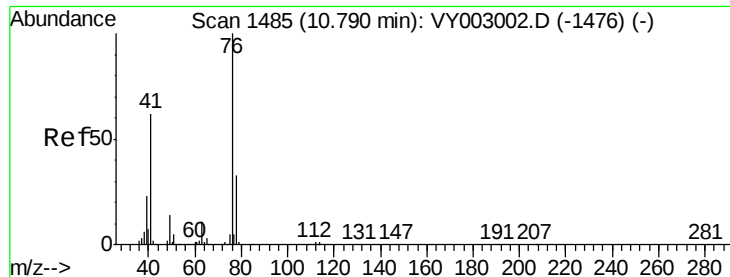
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.708 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion:	69	Resp:	258438
Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.7	80.5
39	34.3	28.3	42.5





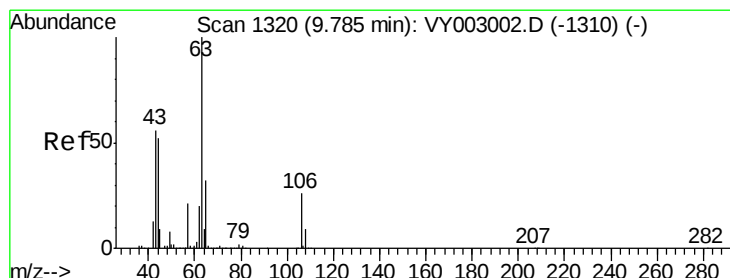
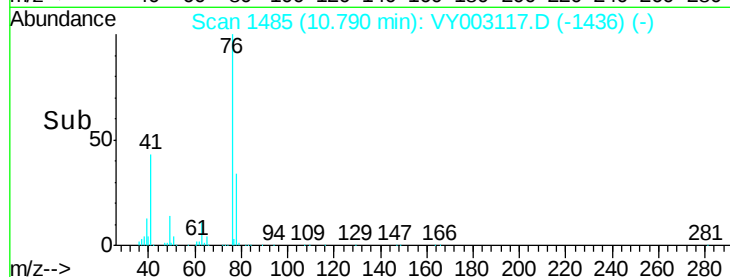
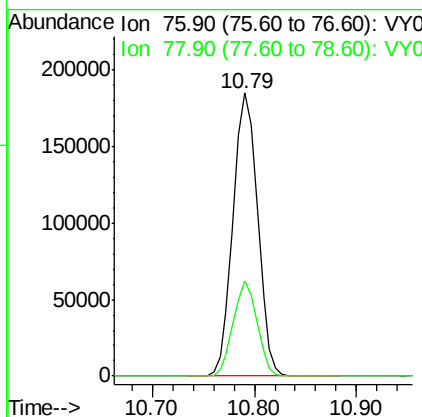
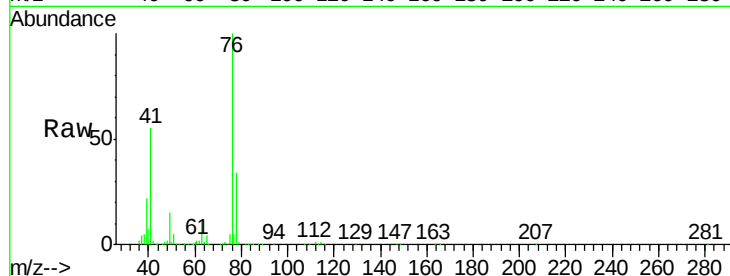
#57
 1,3-Dichloropropane
 Concen: 51.874 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

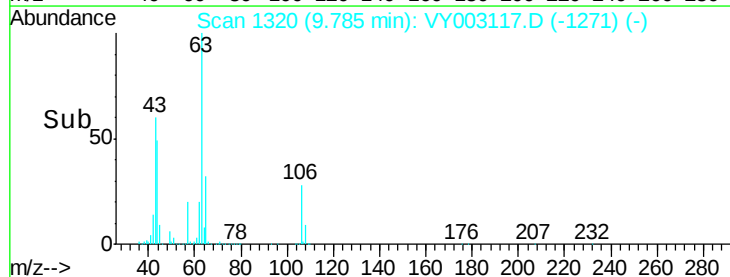
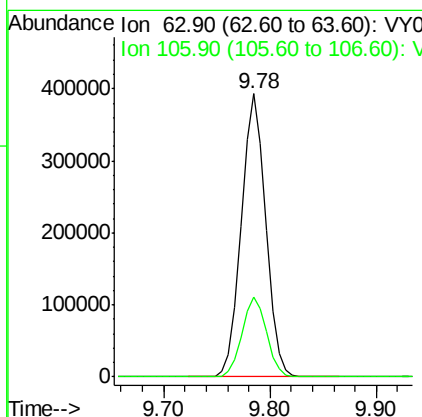
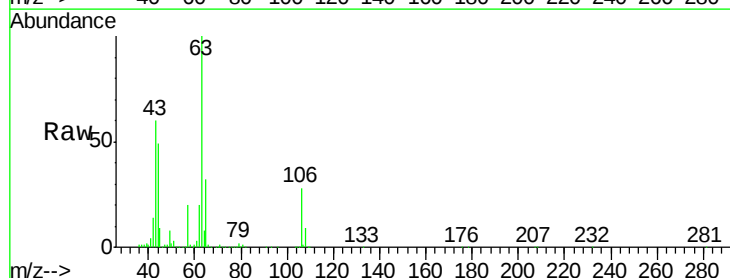
Manual Integrations
 APPROVED

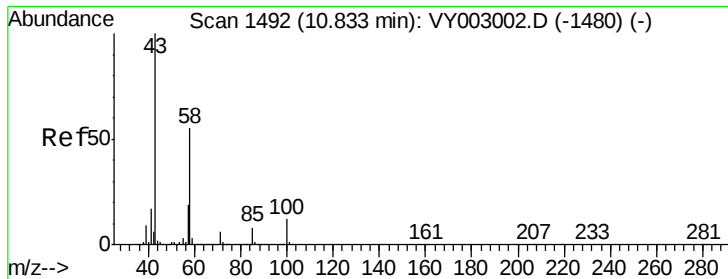
MMDadoda
 7/8/2020 12:20:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.369 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.5	32.3





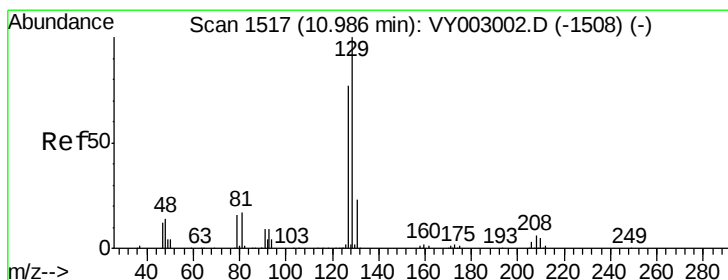
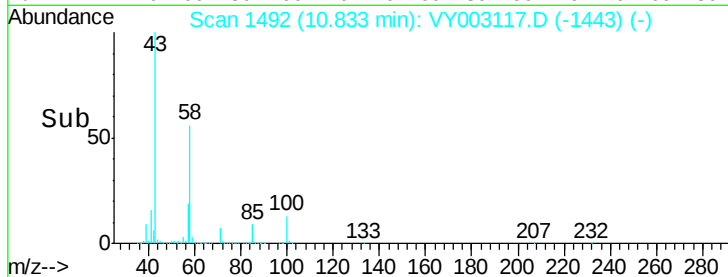
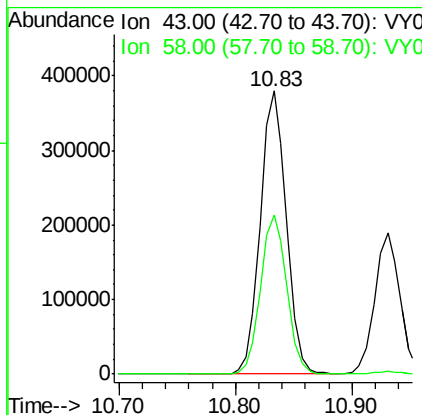
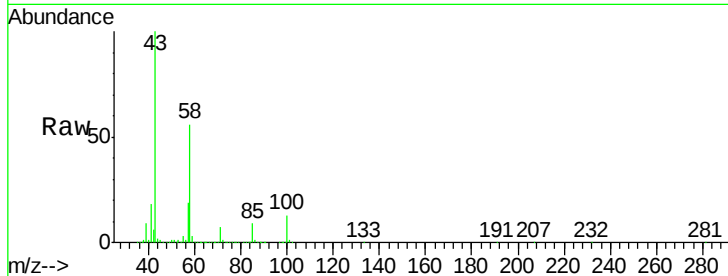
#59
2-Hexanone
Concen: 241.625 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 591202
Ion Ratio Lower Upper
43 100
58 56.5 27.5 82.4

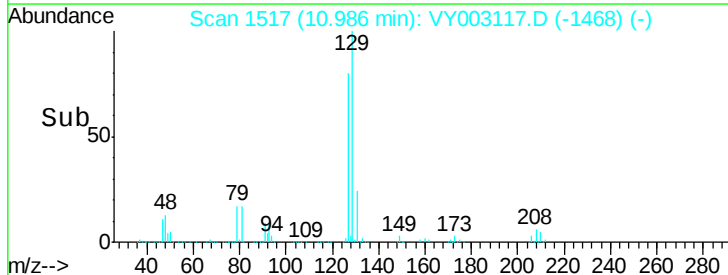
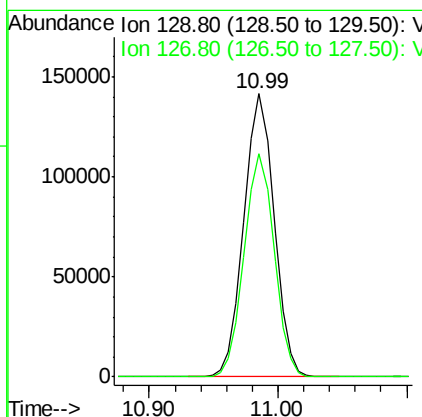
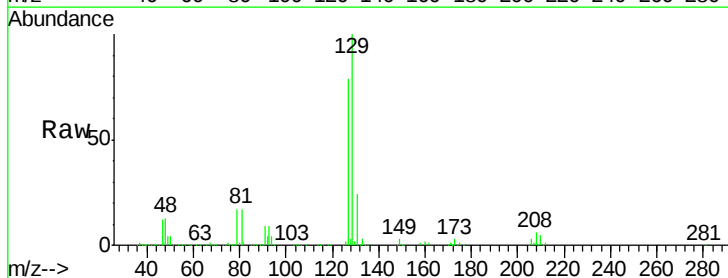
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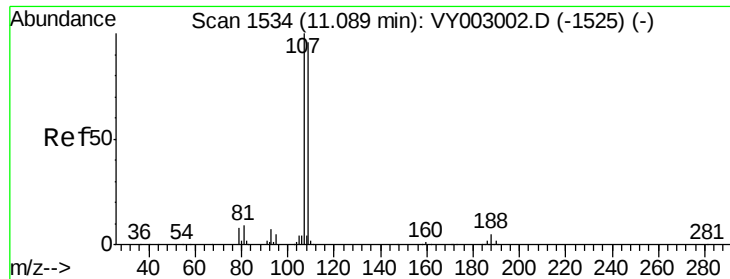
MMDadoda
7/8/2020 12:20:33 PM



#60
Dibromochloromethane
Concen: 53.052 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion: 129 Resp: 229965
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3





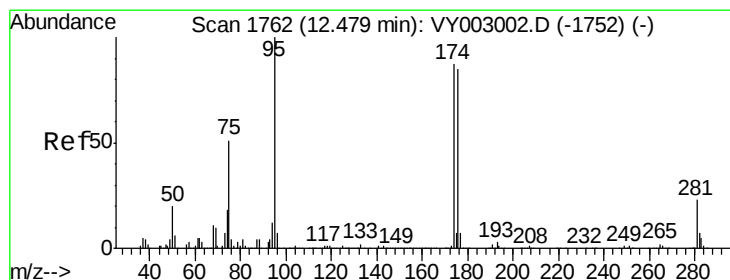
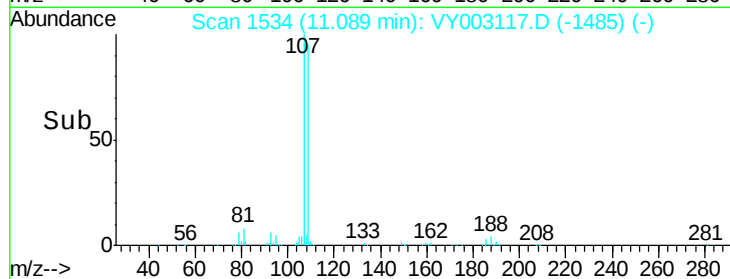
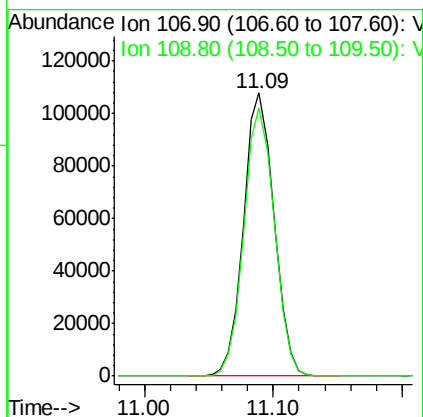
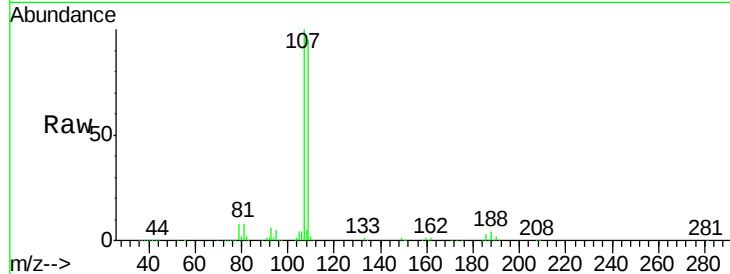
#61
 1,2-Dibromoethane
 Concen: 52.569 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.8

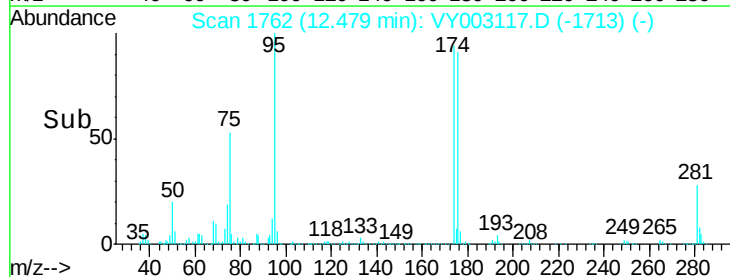
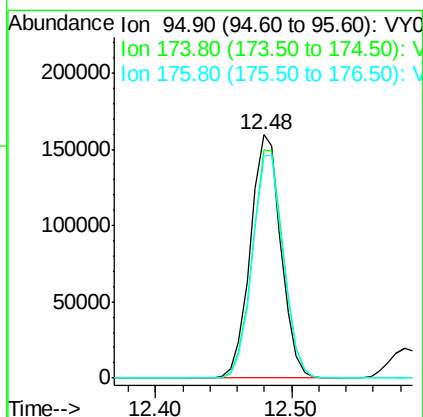
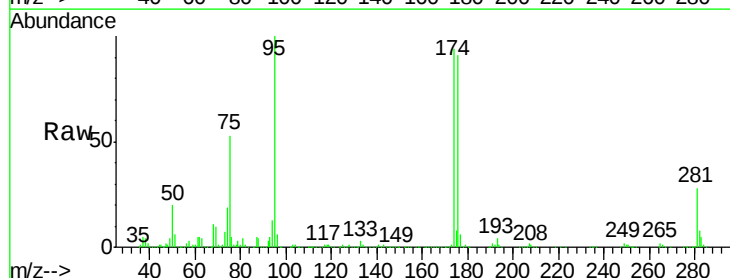
Manual Integrations
 APPROVED

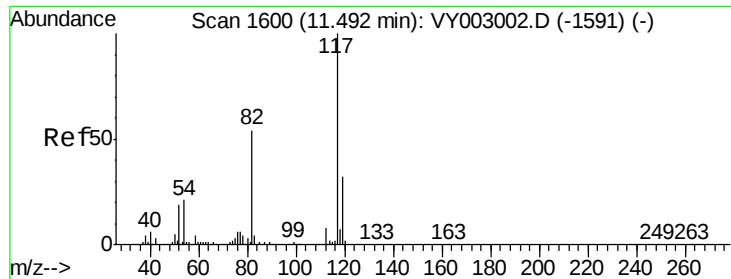
MMDadoda
 7/8/2020 12:20:33 PM



#62
 4-Bromofluorobenzene
 Concen: 49.950 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	184.8
176	92.7	0.0	183.0





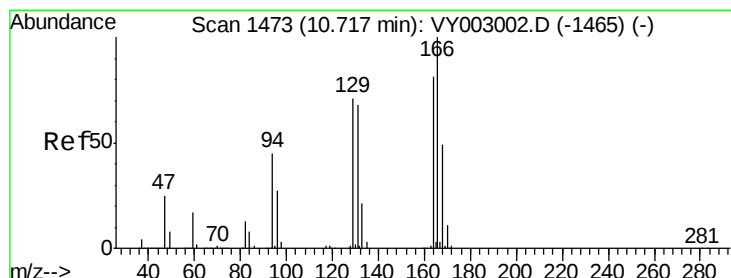
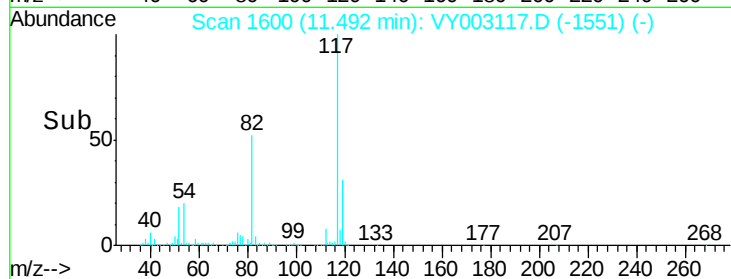
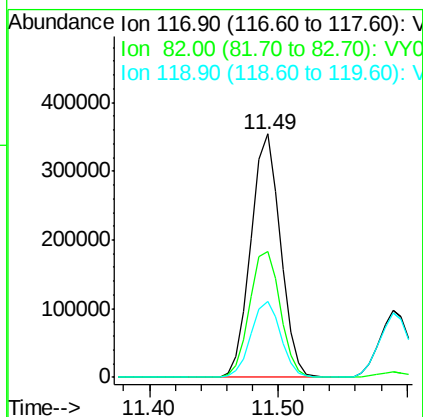
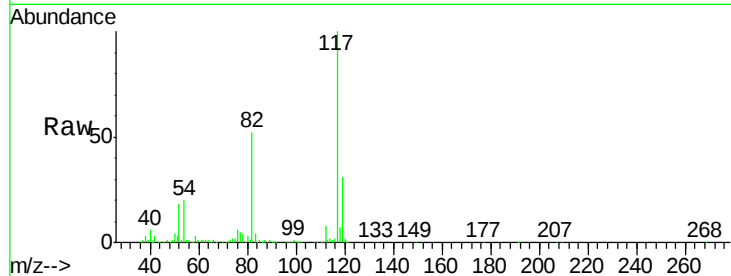
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	559755		
82	51.8	43.0	64.6	
119	31.1	25.8	38.8	

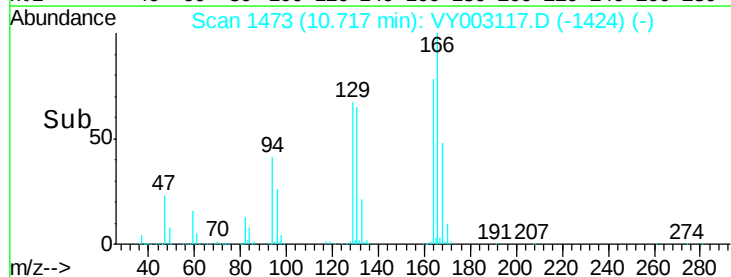
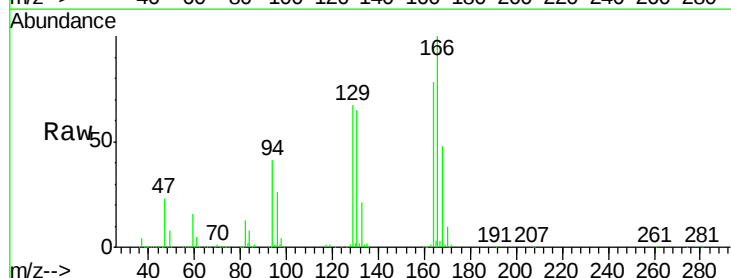
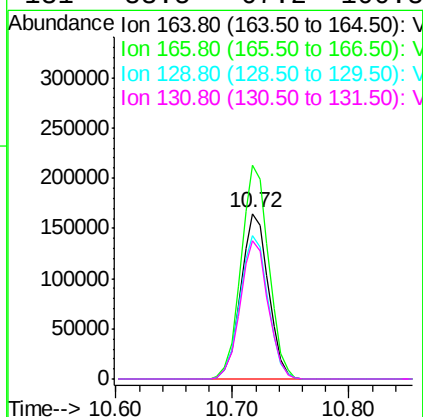
Manual Integrations
APPROVED

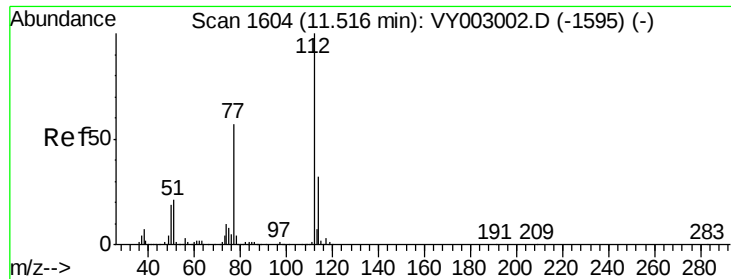
MMDadoda
7/8/2020 12:20:33 PM



#64
Tetrachloroethene
Concen: 57.329 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271593		
166	128.8	98.5	147.7	
129	86.6	69.7	104.5	
131	83.5	67.2	100.8	





#65

Chlorobenzene

Concen: 53.690 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 592589

Ion Ratio Lower Upper

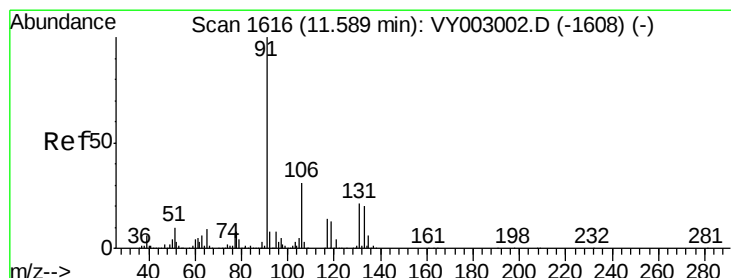
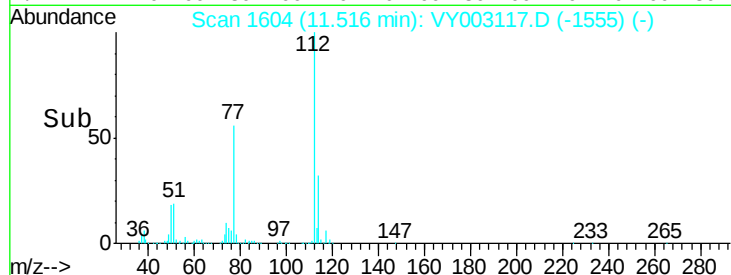
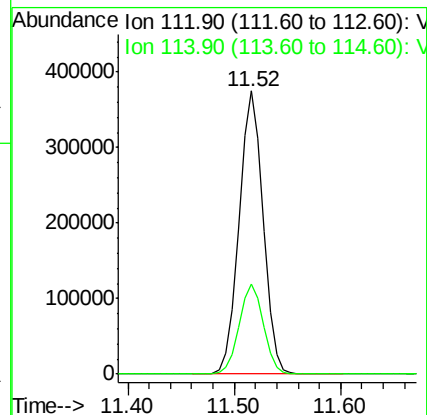
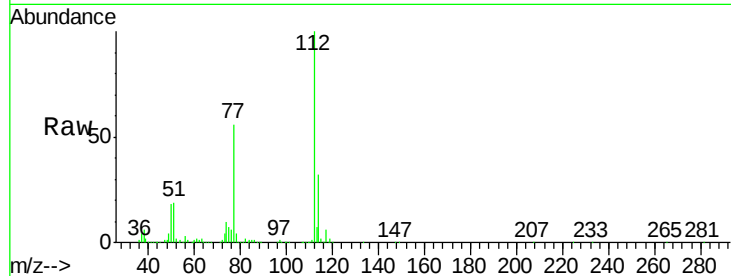
112 100

114 31.7 25.7 38.5

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.676 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

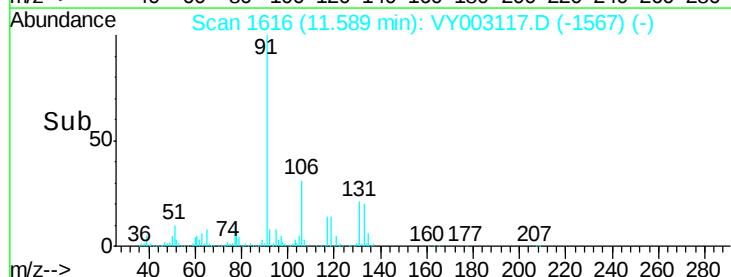
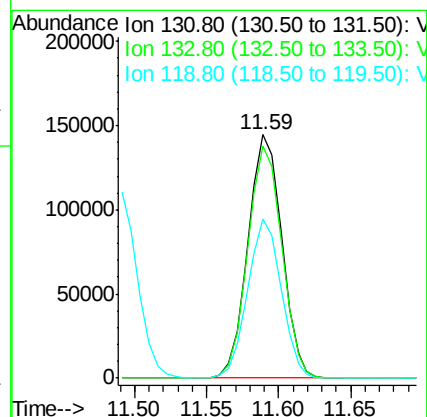
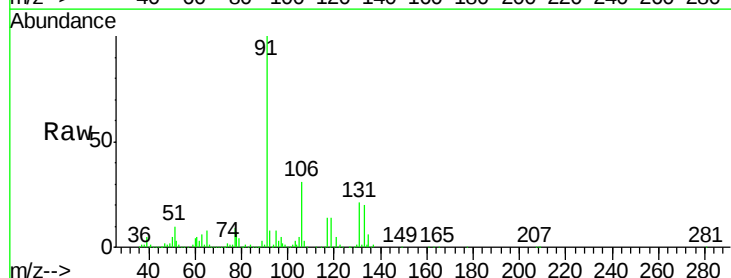
Tgt Ion:131 Resp: 235610

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.8

119 64.5 31.8 95.3





#67

Ethyl Benzene

Concen: 53.316 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1076557

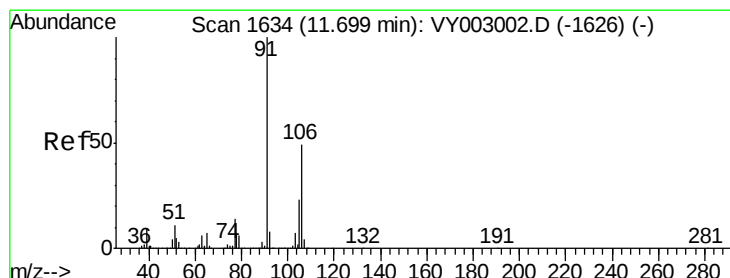
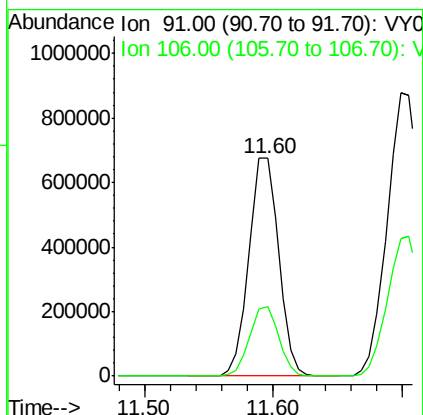
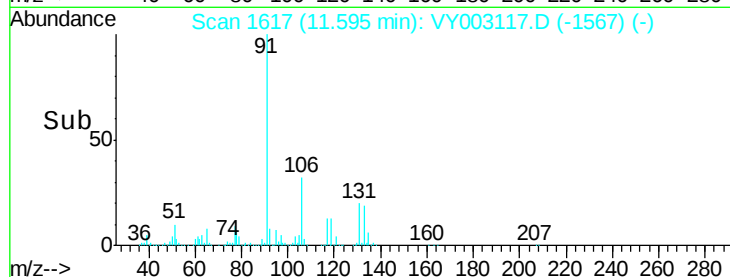
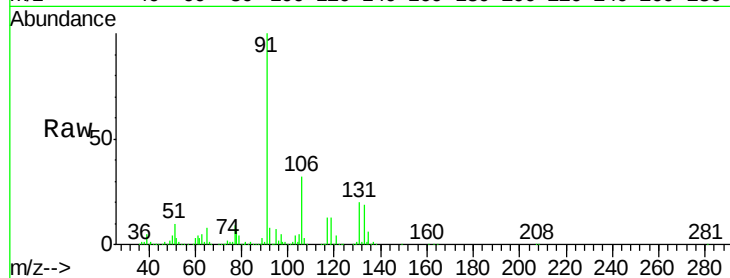
Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 106.652 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003117.D

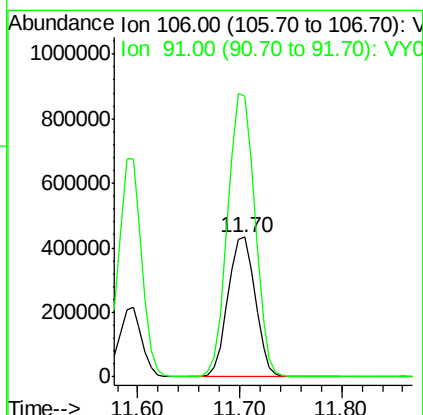
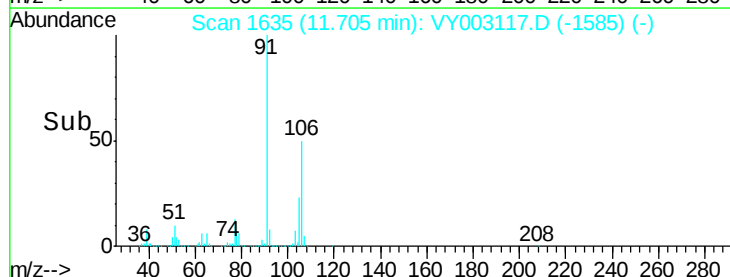
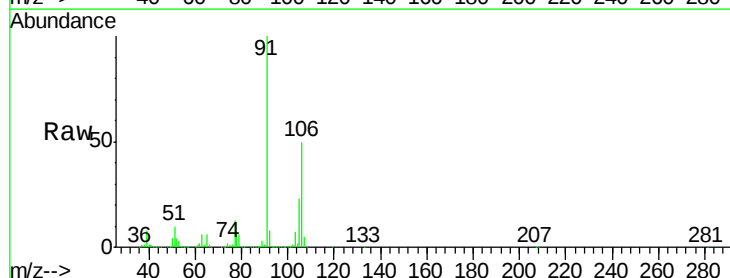
Acq: 07 Jul 2020 10:53

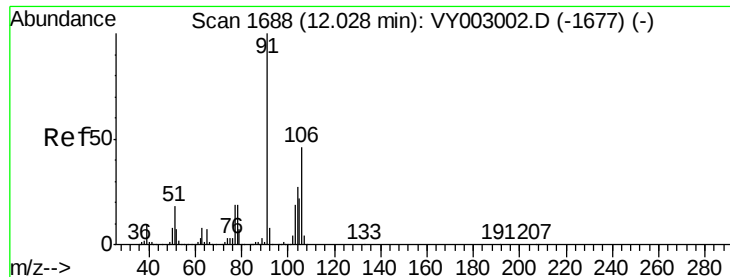
Tgt Ion: 106 Resp: 801499

Ion Ratio Lower Upper

106 100

91 202.2 161.9 242.9





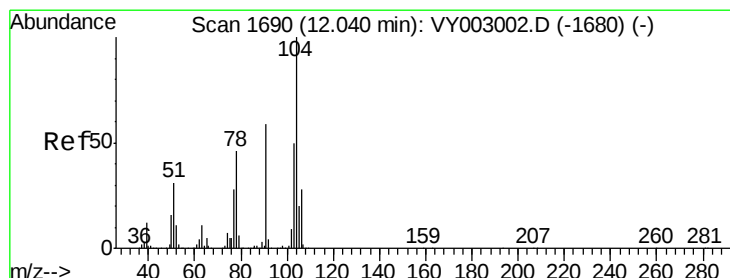
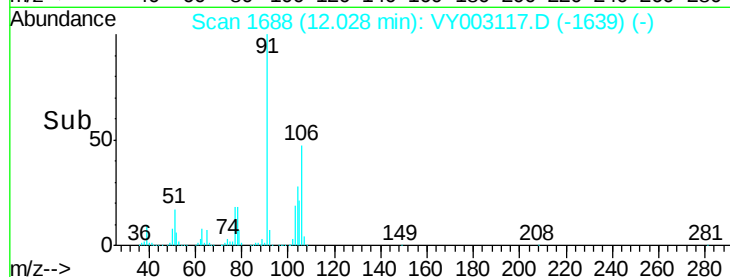
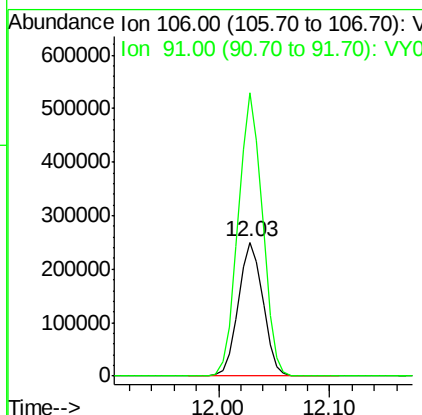
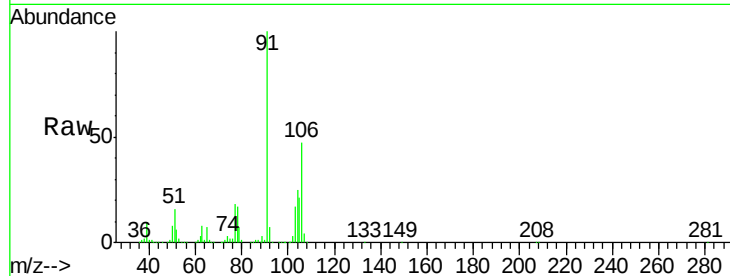
#69
o-Xylene
Concen: 54.170 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.0	107.9	323.8	

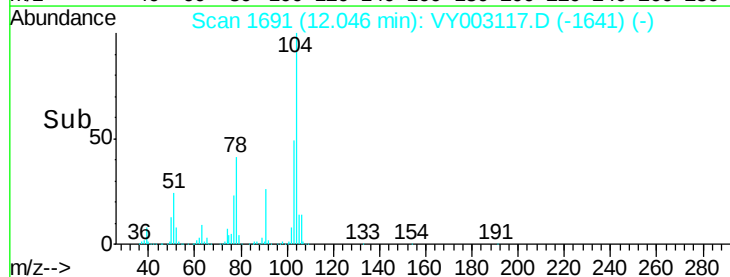
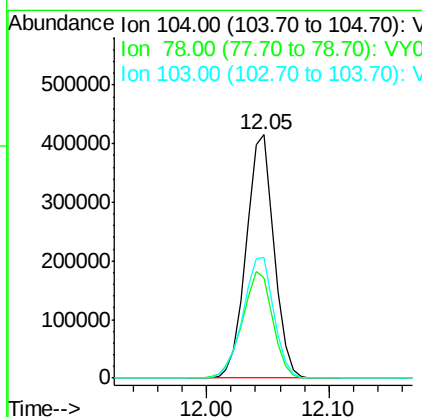
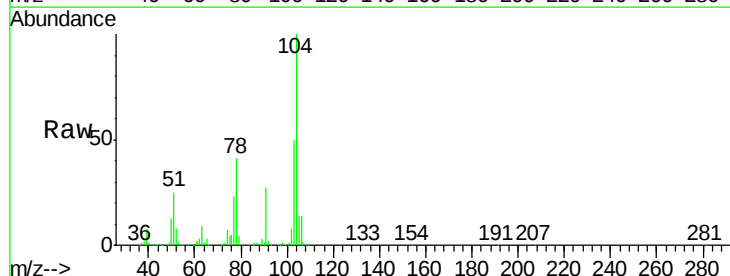
Manual Integrations
APPROVED

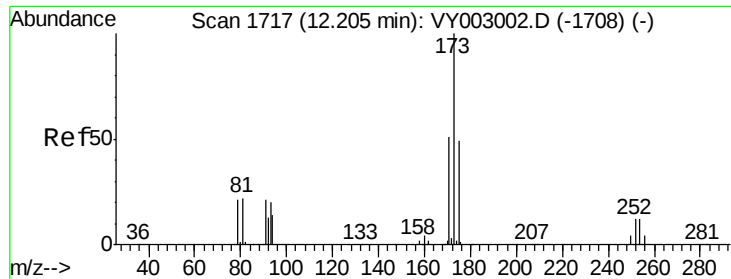
MMDadoda
7/8/2020 12:20:33 PM



#70
Styrene
Concen: 54.236 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	40.4	60.6	
103	55.1	44.1	66.1	





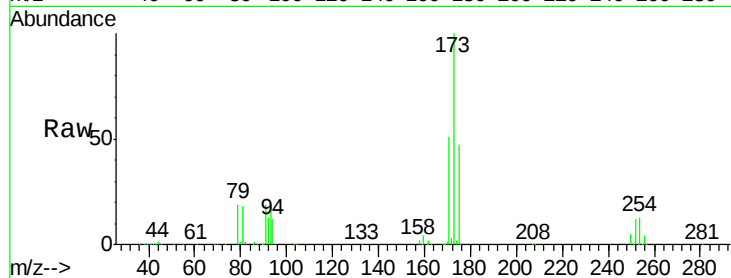
#71
Bromoform
Concen: 54.743 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
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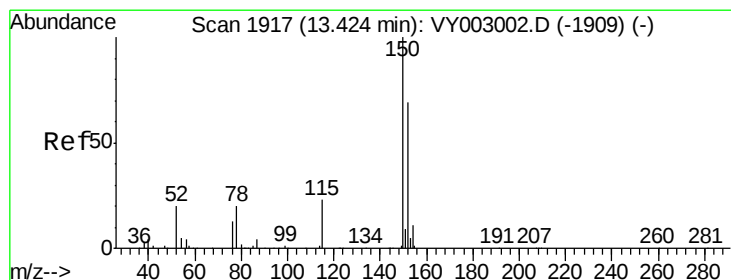
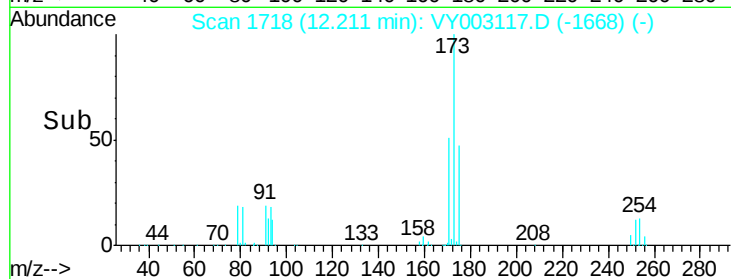
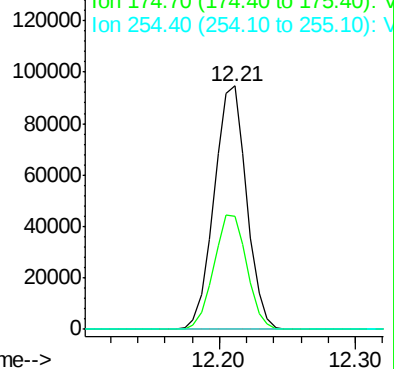


Abundance

Ion 172.70 (172.40 to 173.40): V

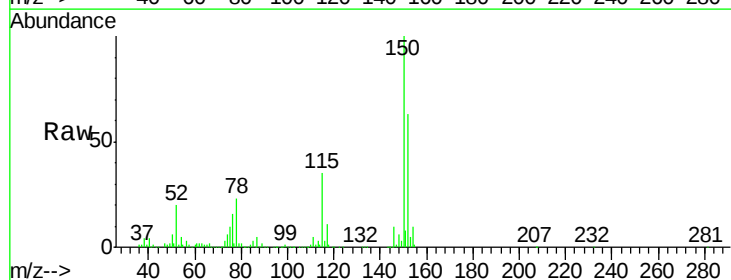
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.3	81.9
150	172.3	0.0	343.4

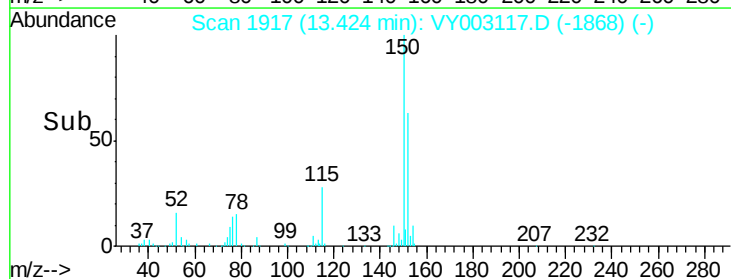
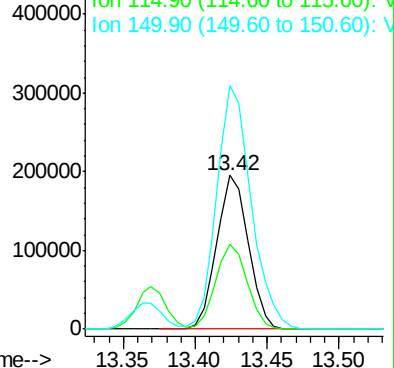


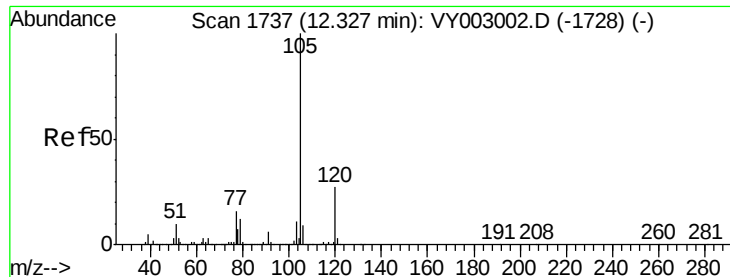
Abundance

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: 53.889 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1046190

Ion Ratio Lower Upper

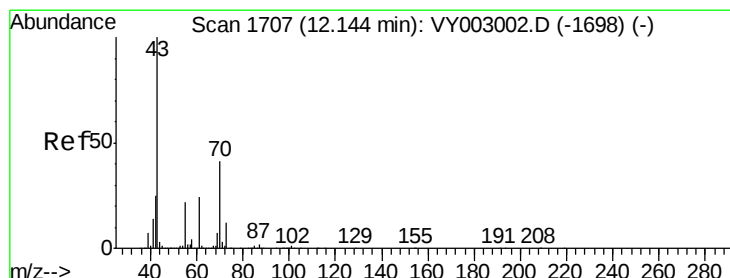
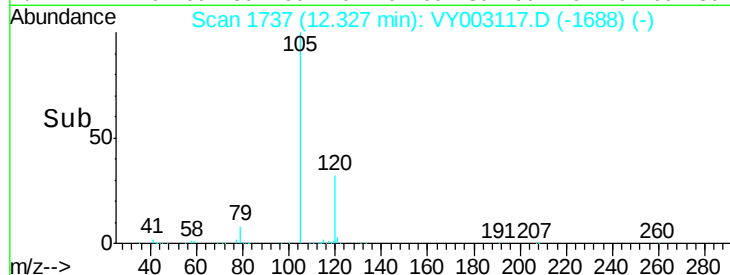
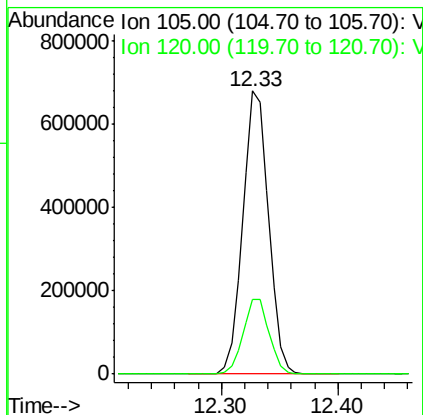
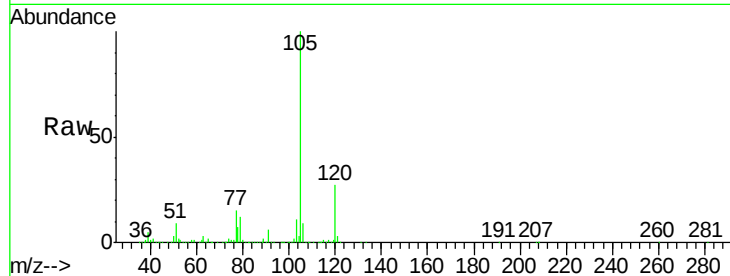
105 100

120 26.9 13.4 40.1

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#74

N-ethyl acetate

Concen: 49.366 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion: 43 Resp: 311997

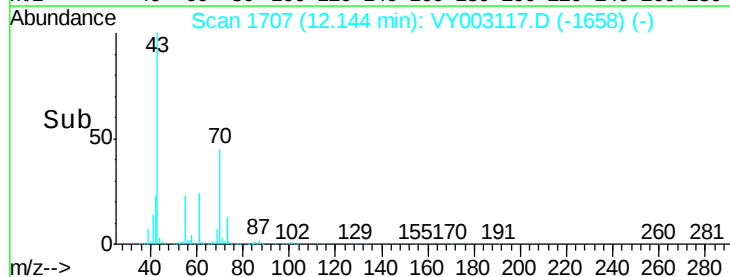
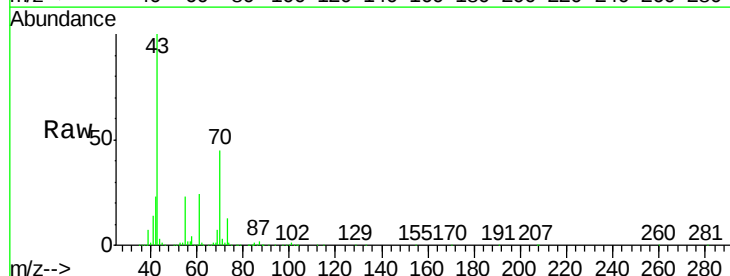
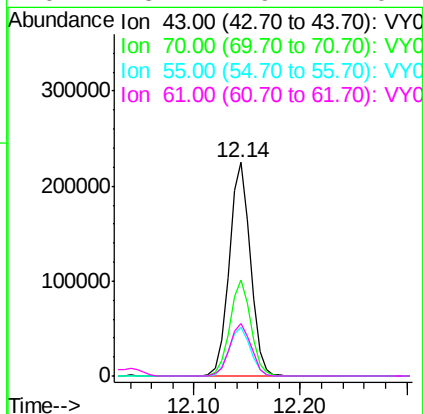
Ion Ratio Lower Upper

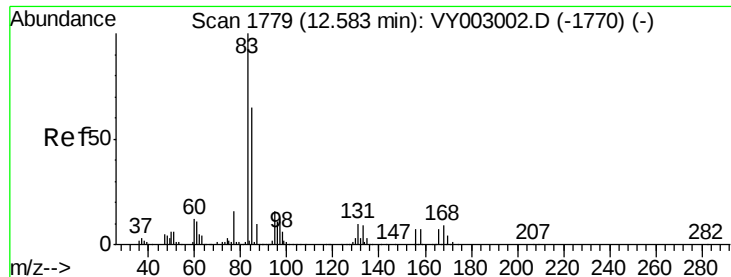
43 100

70 44.6 33.0 49.4

55 23.4 18.2 27.2

61 25.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.454 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

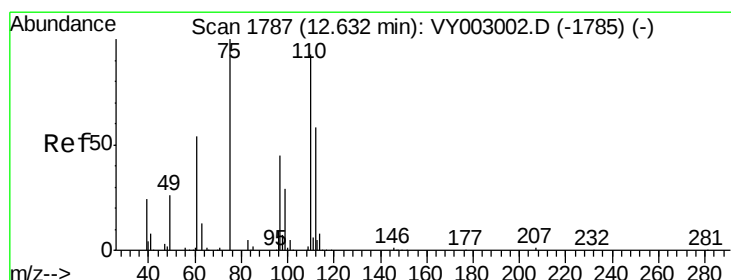
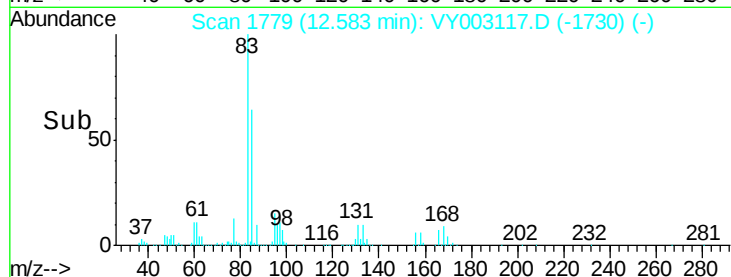
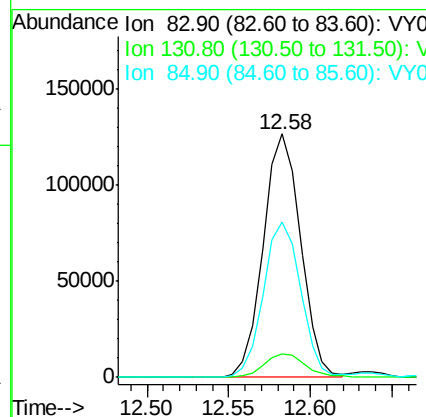
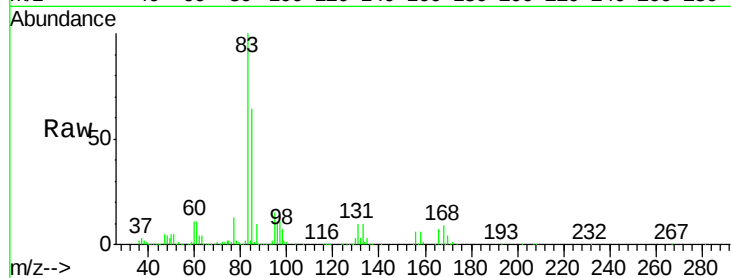
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	201585
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.0	32.1	96.3

Manual Integrations
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7/8/2020 12:20:33 PM



#76

1,2,3-Trichloropropane

Concen: 53.743 ug/l m

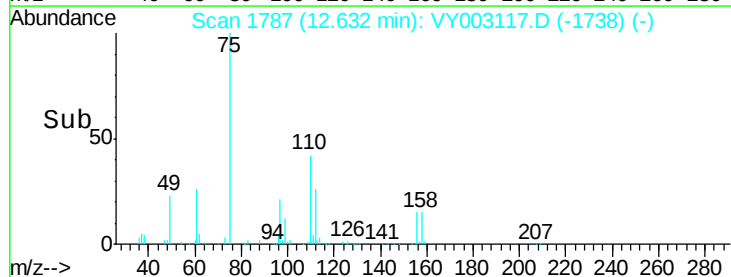
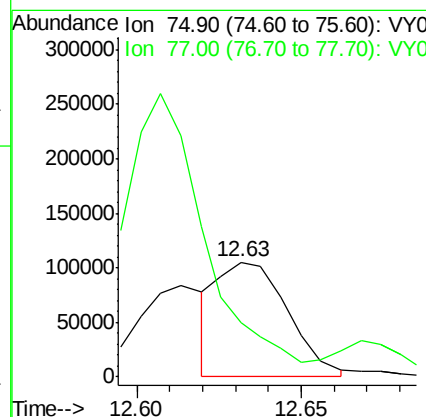
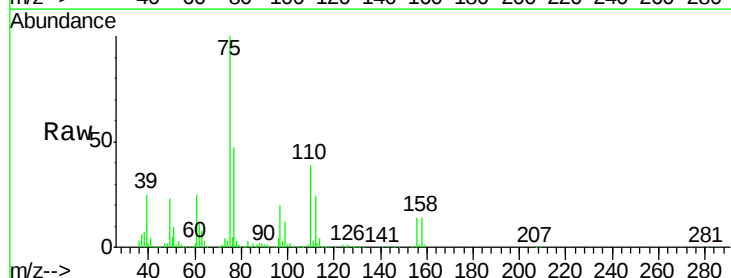
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	75	Resp:	157780
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





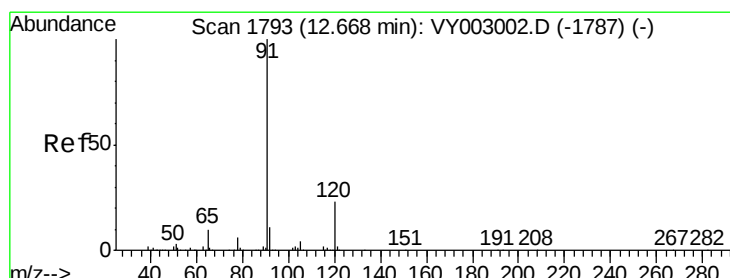
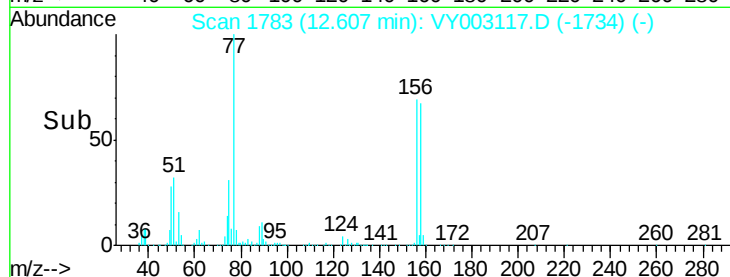
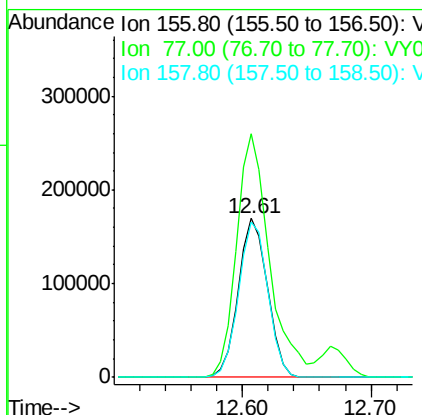
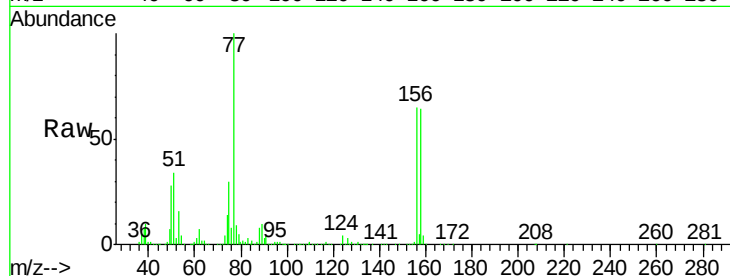
#77
Bromobenzene
Concen: 53.200 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.0	90.0	270.0
158	98.1	48.5	145.5

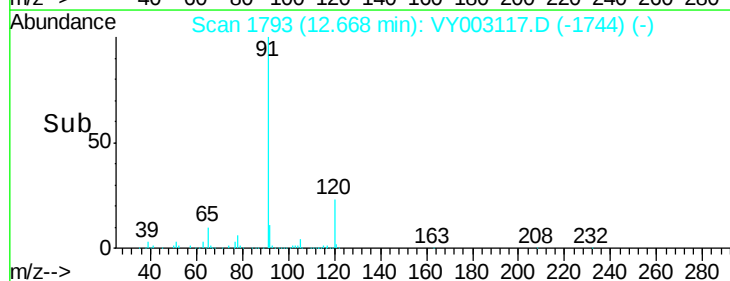
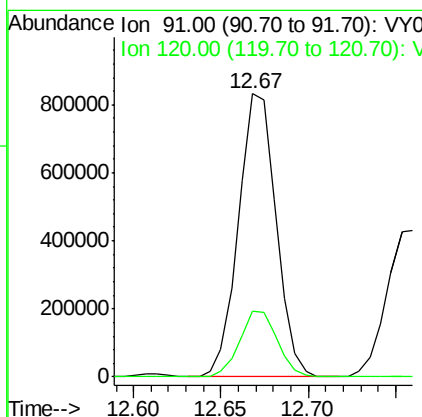
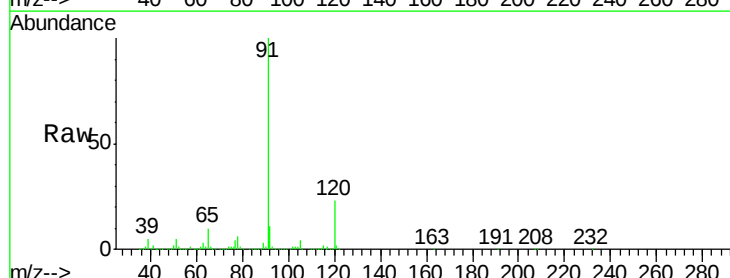
Manual Integrations
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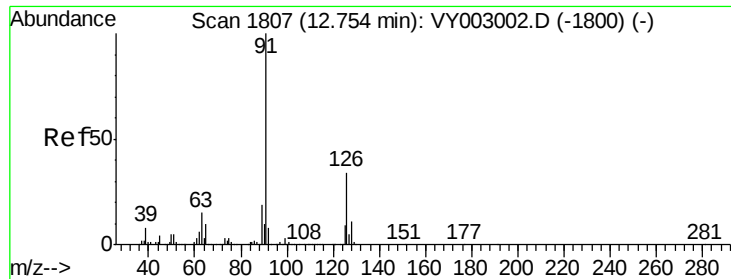
MMDadoda
7/8/2020 12:20:33 PM



#78
n-propylbenzene
Concen: 53.520 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 52.957 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 690143

Ion Ratio Lower Upper

91 100

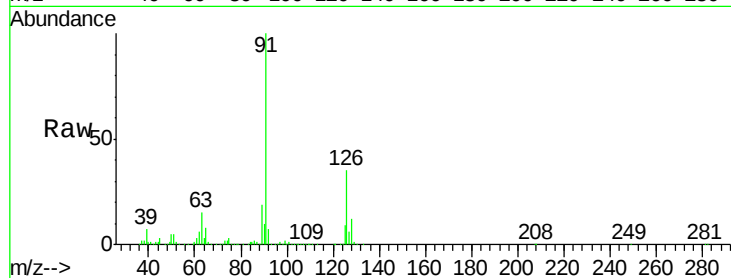
126 35.1 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY003117.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003117.D (-1758) (-)

600000

500000

400000

300000

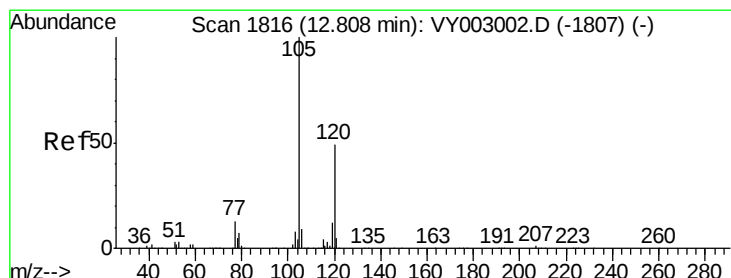
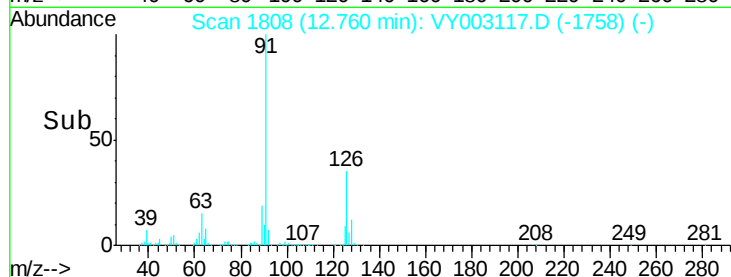
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.761 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003117.D

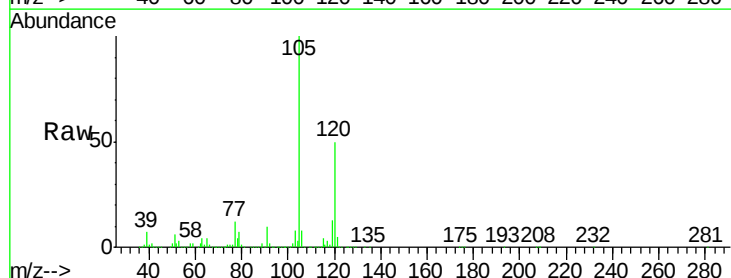
Acq: 07 Jul 2020 10:53

Tgt Ion: 105 Resp: 875818

Ion Ratio Lower Upper

105 100

120 50.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003117.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003117.D (-1767) (-)

600000

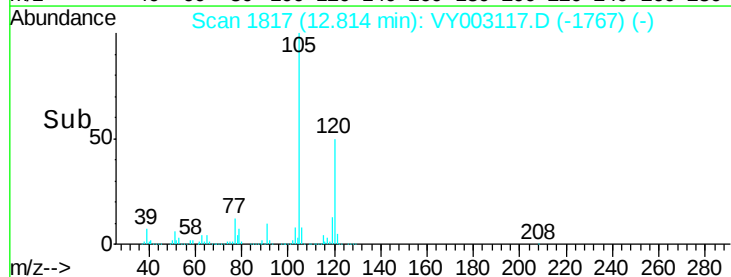
400000

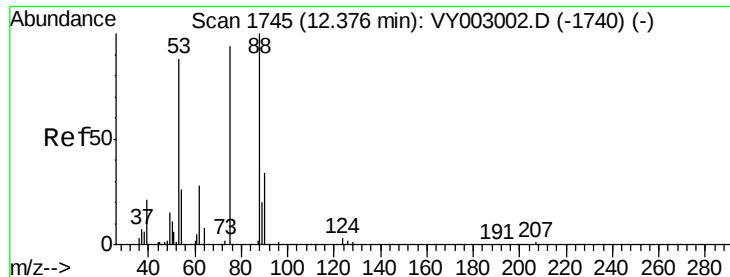
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.816 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

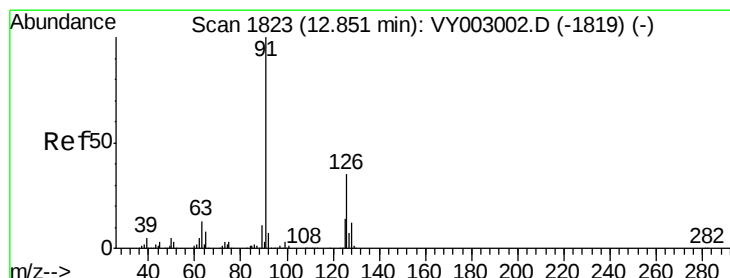
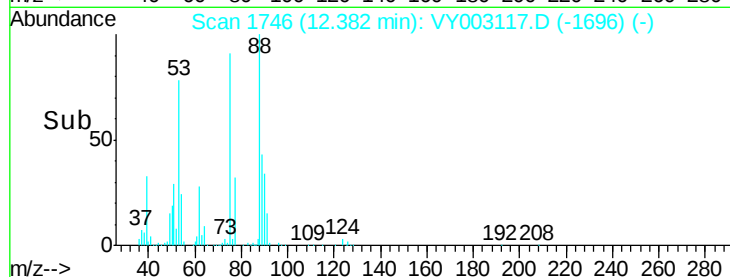
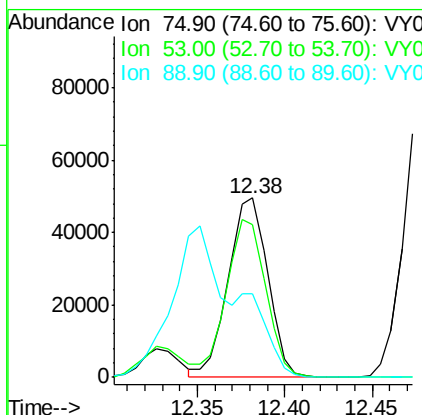
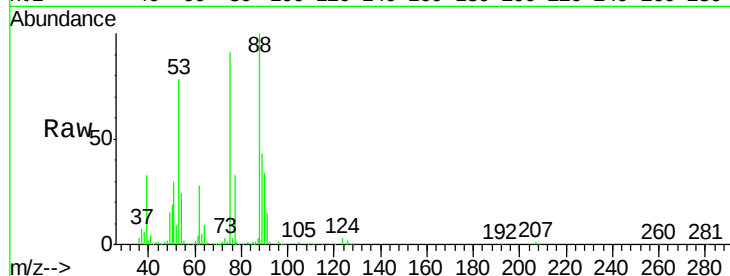
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	78189
Ion	Ratio	Lower	Upper
75	100		
53	87.3	73.9	110.9
89	0.0	37.5	56.3#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.276 ug/l

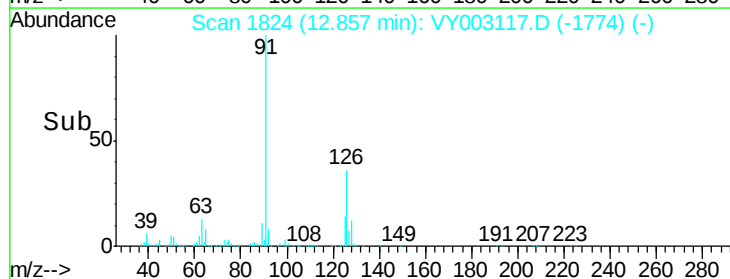
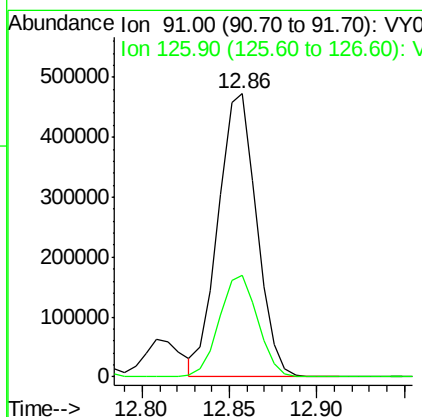
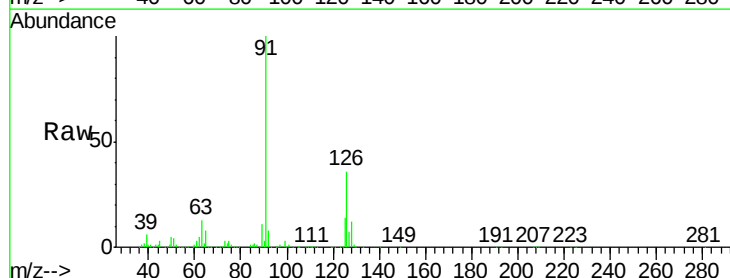
RT: 12.86 min Scan# 1824

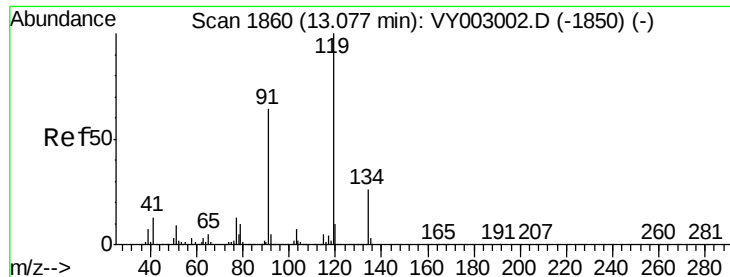
Delta R.T. 0.01 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	91	Resp:	722882
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.4	52.3





#83

tert-Butylbenzene

Concen: 53.534 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

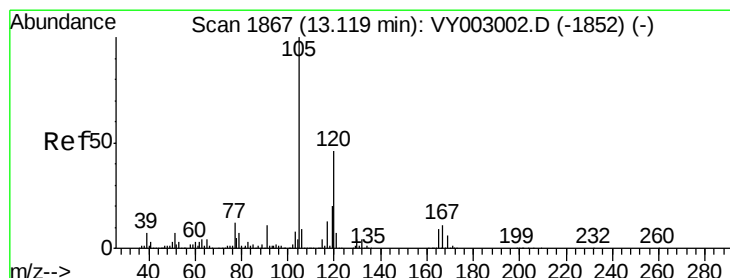
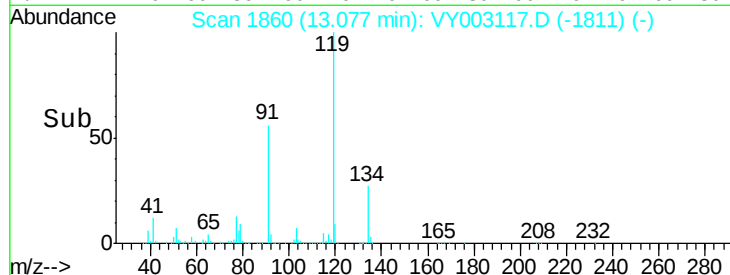
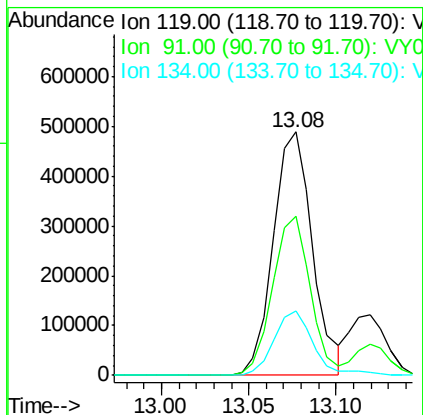
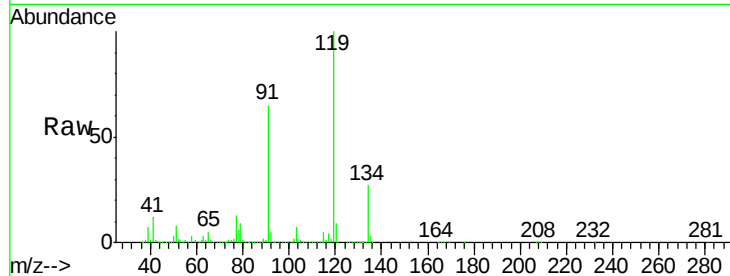
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	765784
Ion Ratio	Lower	Upper	
119	100		
91	62.8	31.6	95.0
134	26.8	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.260 ug/l

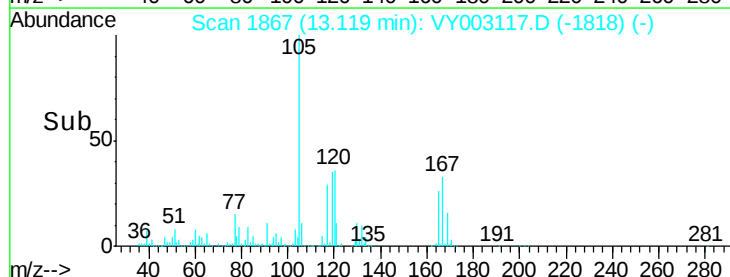
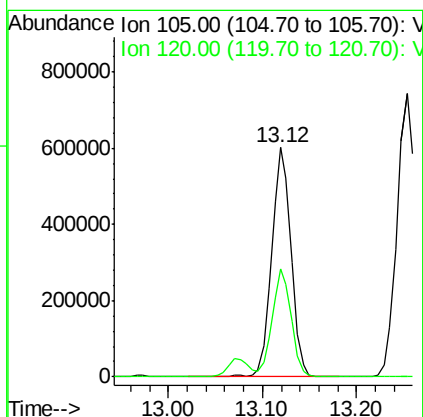
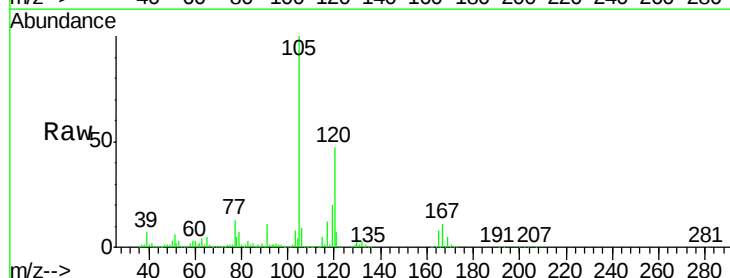
RT: 13.12 min Scan# 1867

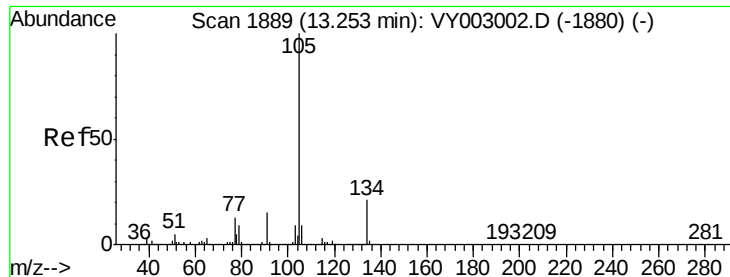
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	105	Resp:	874303
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 54.402 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1072632

Ion Ratio Lower Upper

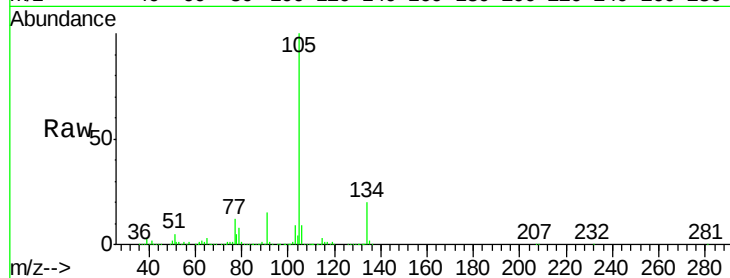
105 100

134 20.8 10.4 31.2

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

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

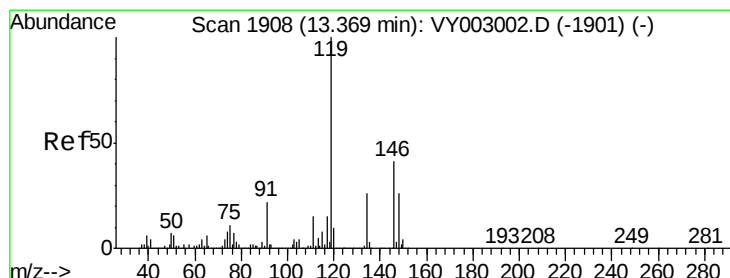
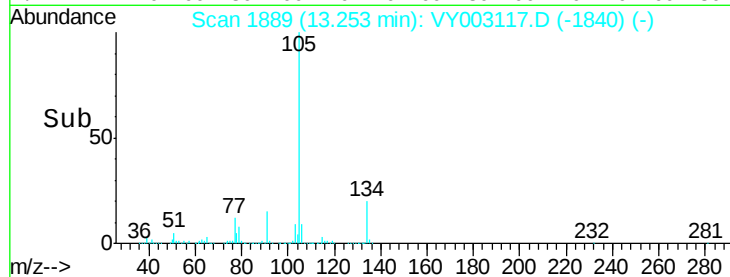
200000

0

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 54.671 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

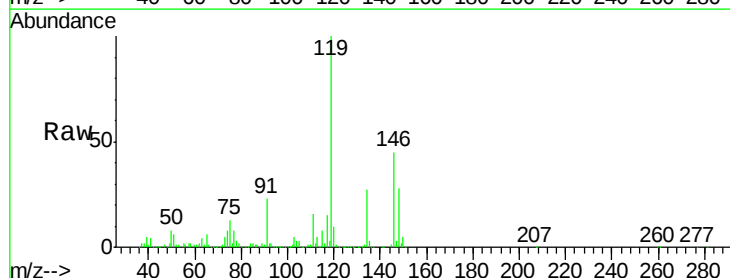
Tgt Ion:119 Resp: 998834

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.6 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

800000

600000

400000

200000

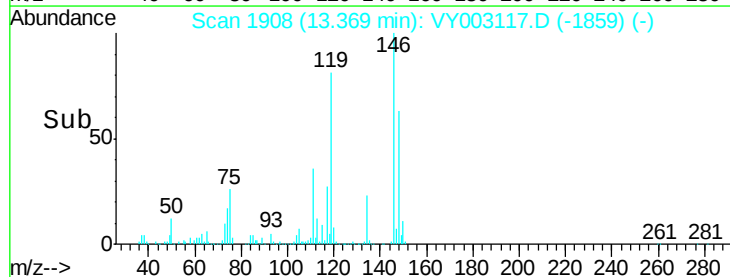
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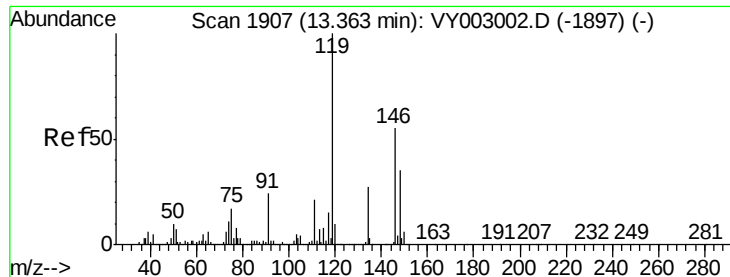
13.30

13.35

13.40

Time-->





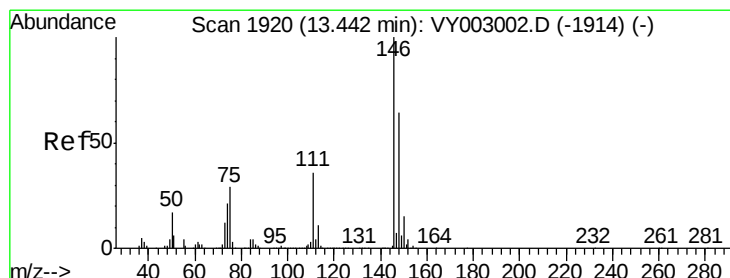
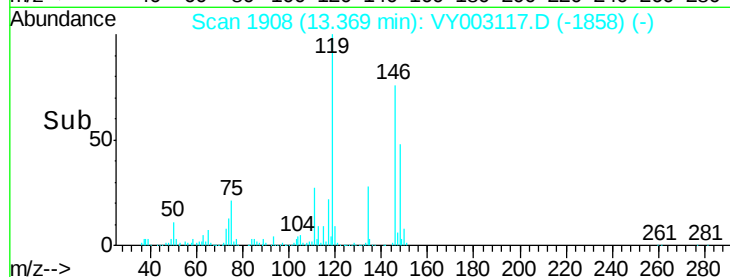
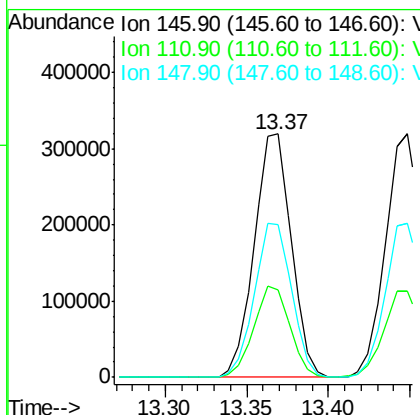
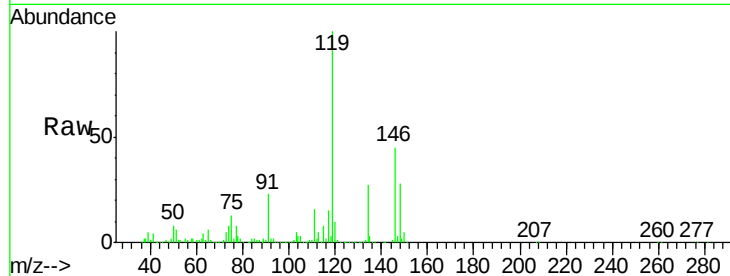
#87
 1,3-Dichlorobenzene
 Concen: 54.403 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	63.7	31.8	95.3

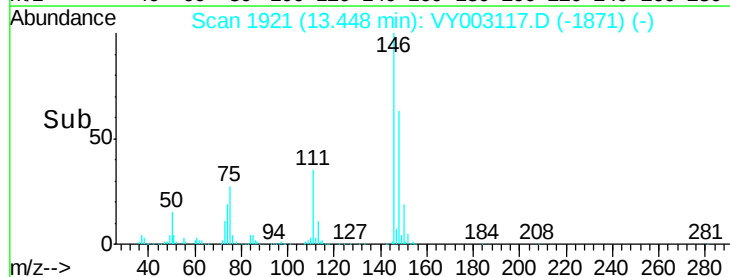
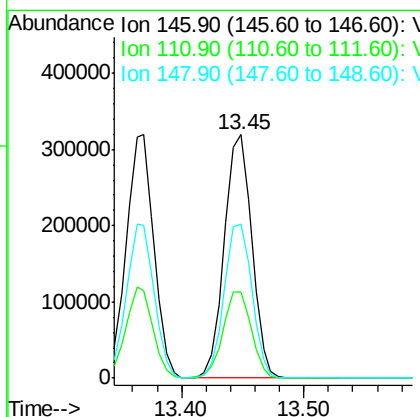
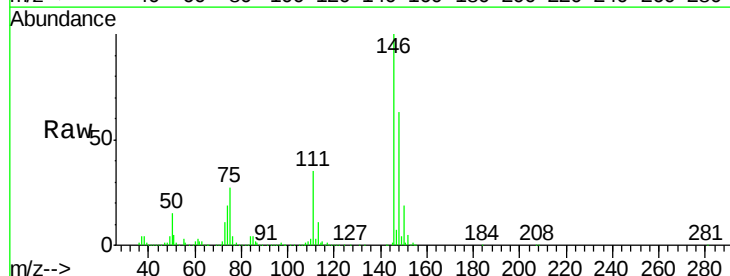
Manual Integrations
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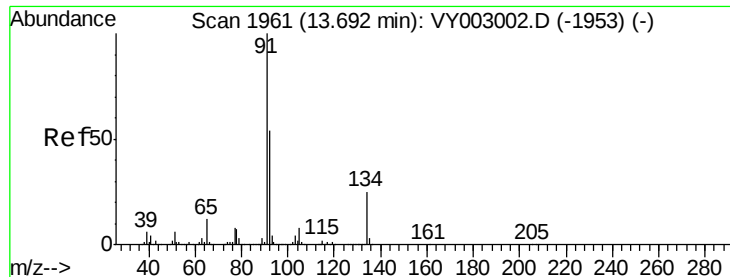
MMDadoda
 7/8/2020 12:20:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.177 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.4
148	64.2	32.3	96.9





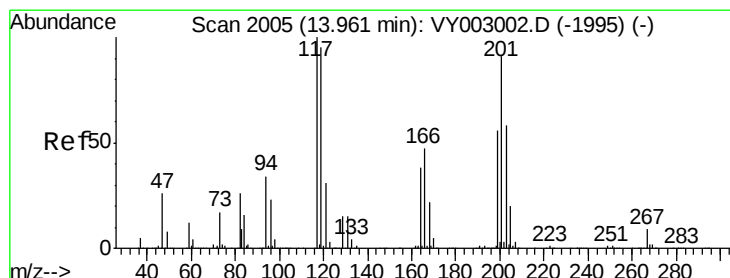
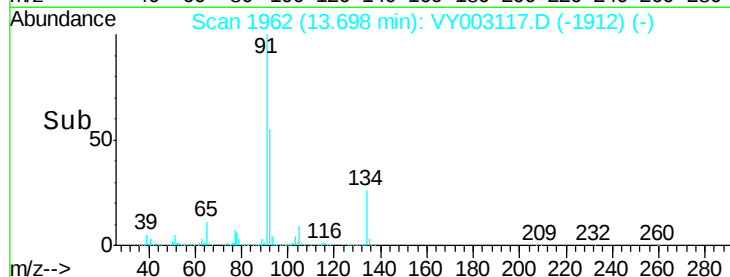
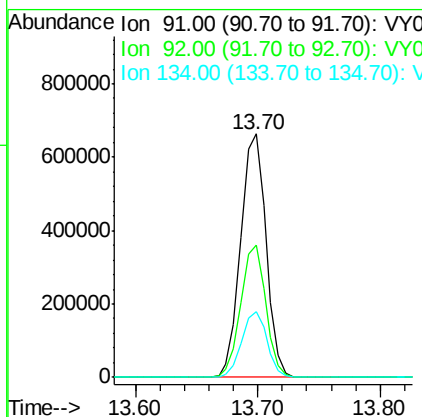
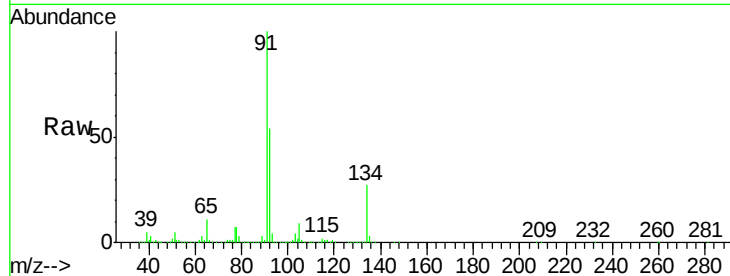
#89
n-Butylbenzene
Concen: 54.438 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	26.8	80.3	
134	27.0	13.1	39.1	

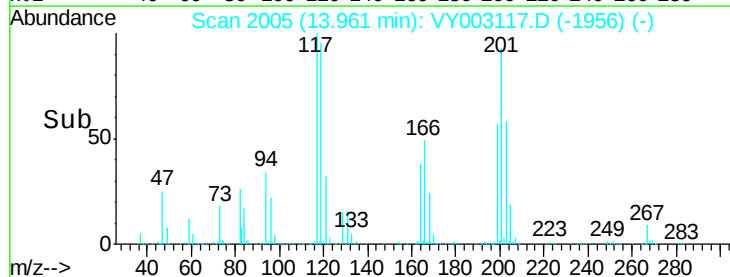
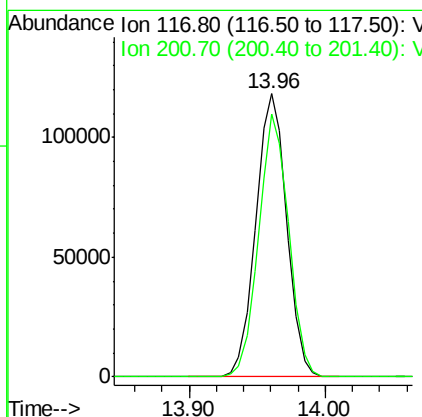
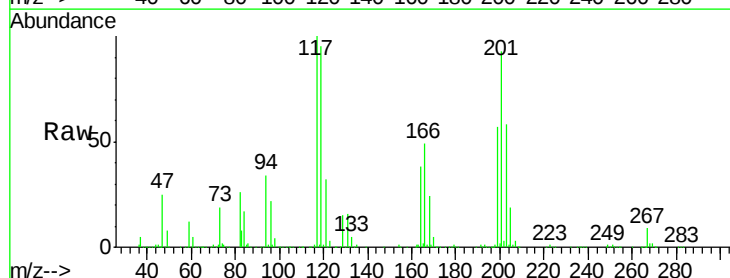
Manual Integrations
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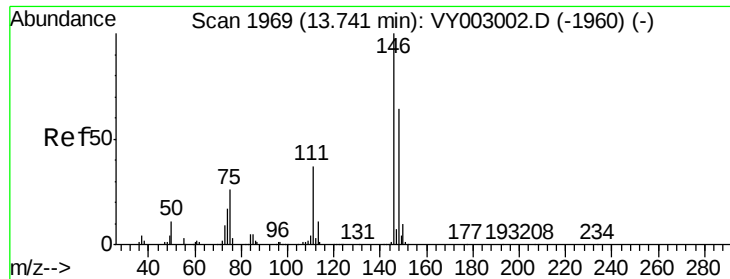
MMDadoda
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#90
Hexachloroethane
Concen: 51.954 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003117.D
Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.3	45.5	136.4	





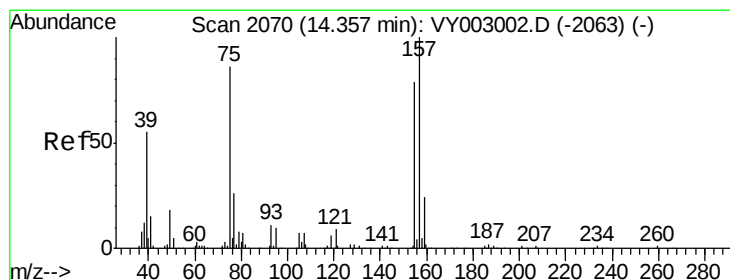
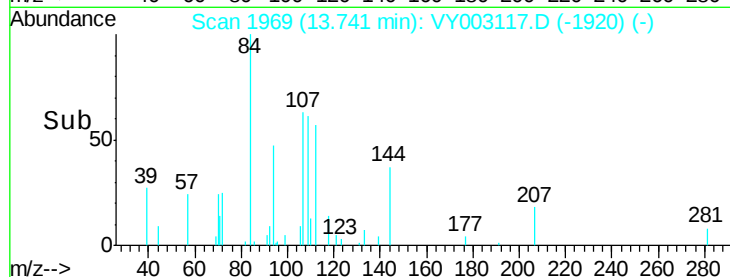
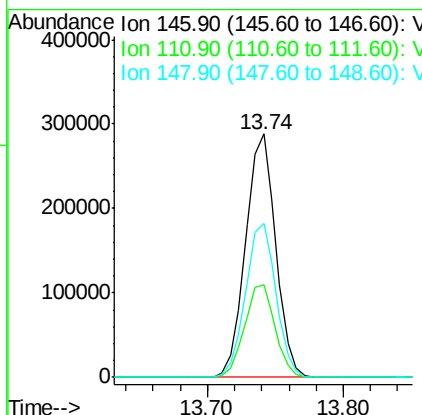
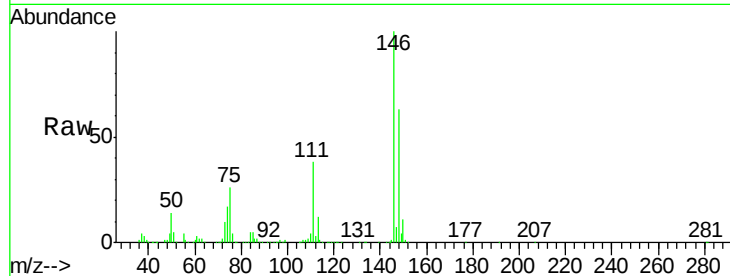
#91
 1,2-Dichlorobenzene
 Concen: 53.487 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.2	31.8	95.3

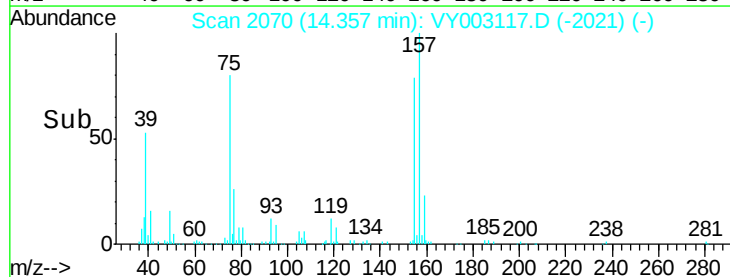
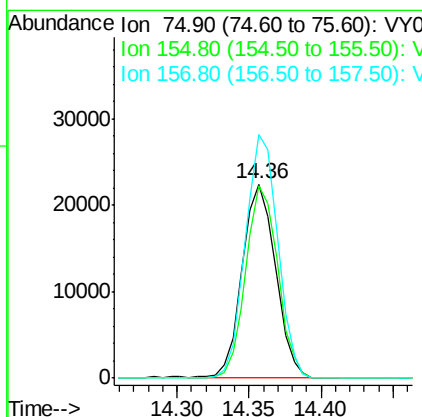
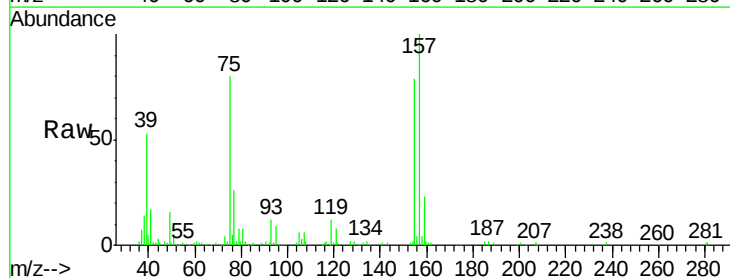
Manual Integrations
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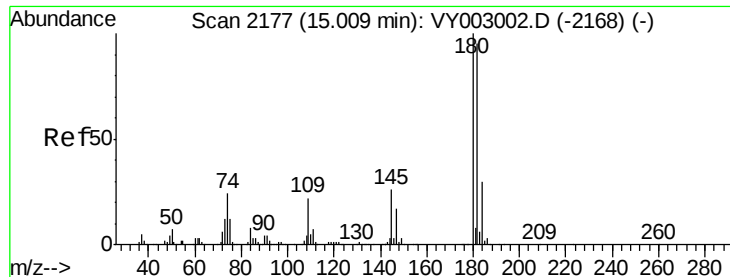
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.004 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003117.D
 Acq: 07 Jul 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.5	139.3
157	121.3	59.2	177.5





#93

1,2,4-Trichlorobenzene

Concen: 53.365 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

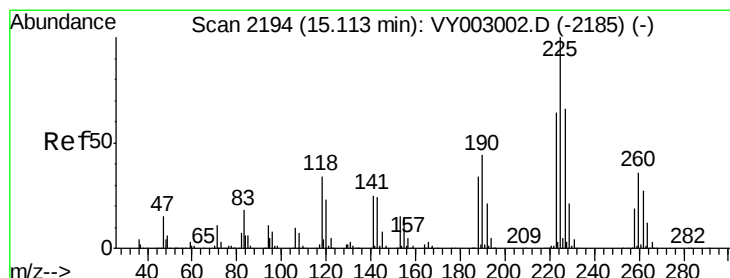
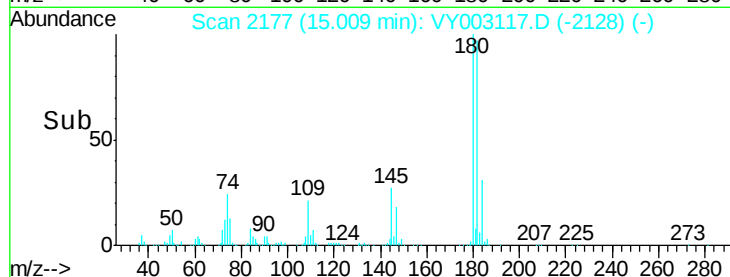
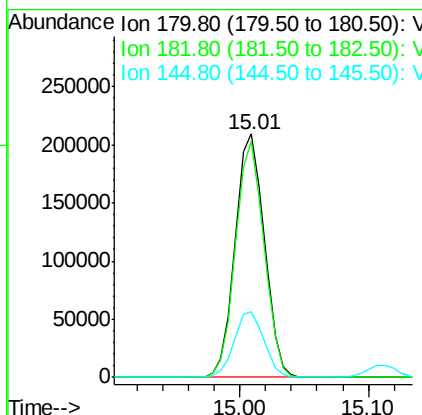
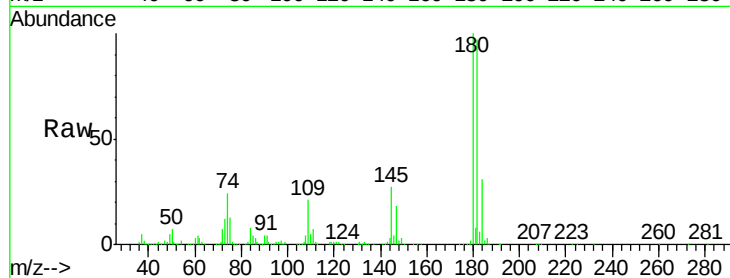
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	330632
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.1	144.3
145	27.4	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:20:33 PM



#94

Hexachlorobutadiene

Concen: 54.734 ug/l

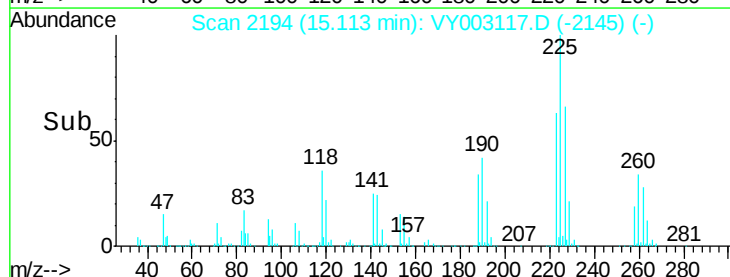
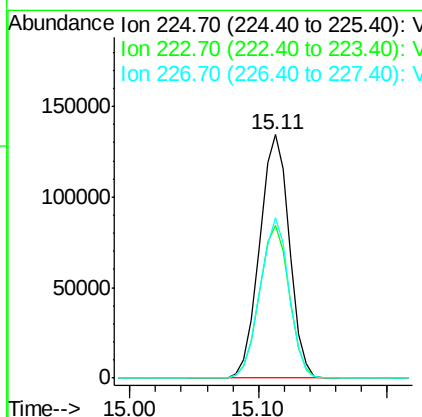
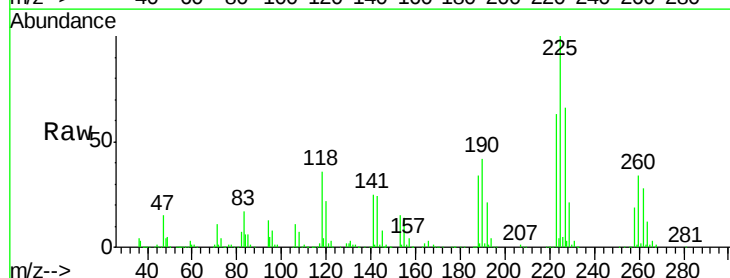
RT: 15.11 min Scan# 2194

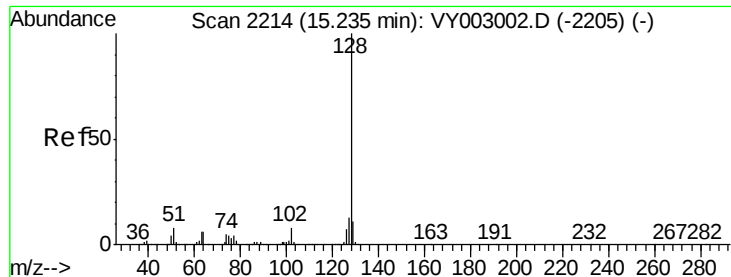
Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	225	Resp:	213901
Ion Ratio	Lower	Upper	
225	100		
223	62.7	32.4	97.0
227	64.2	32.4	97.2





#95

Naphthalene

Concen: 52.319 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Instrument :

MSVOA_Y

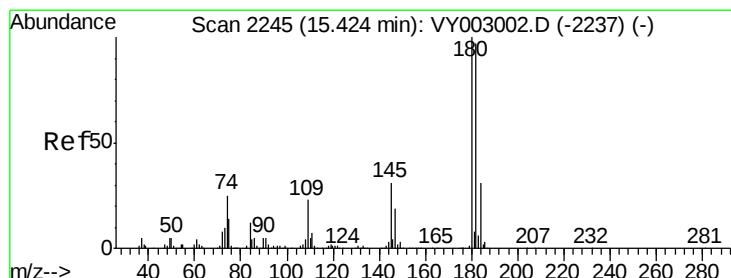
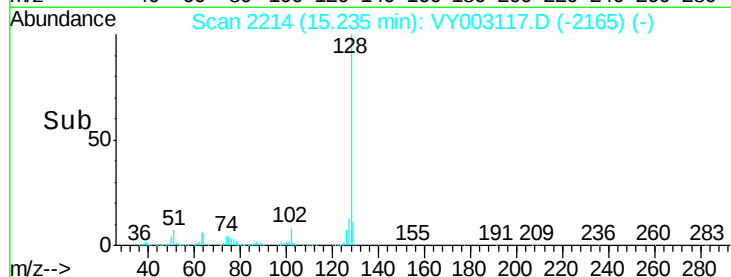
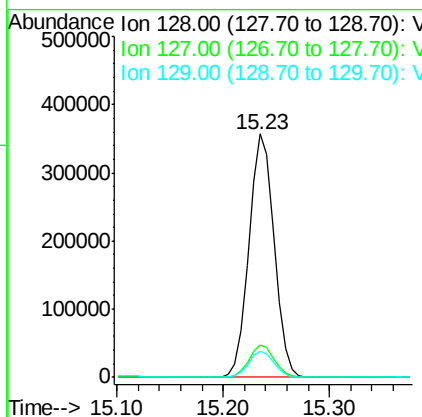
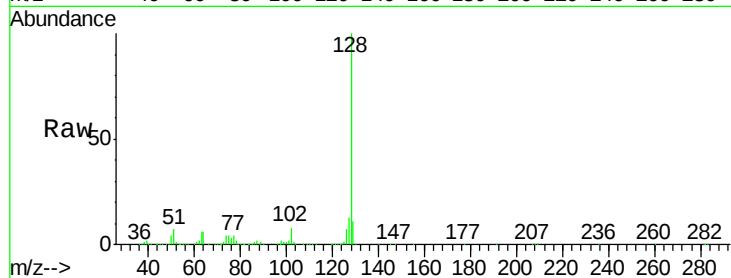
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	592064
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:20:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.102 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003117.D

Acq: 07 Jul 2020 10:53

Tgt Ion:	180	Resp:	280306
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.3
145	29.3	14.7	44.1

