

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002756.D
 Acq On : 27 May 2020 11:27
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 5/28/2020 2:08:34 PM

Quant Time: May 27 12:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	434329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	25800	11.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.20%	
35) Dibromofluoromethane	7.72	113	24990	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	10.18	98	100969	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
62) 4-Bromofluorobenzene	12.48	95	34496	10.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	20991	10.069	ug/l	97
3) Chloromethane	2.12	50	23305	9.838	ug/l	99
4) Vinyl Chloride	2.26	62	24271	9.807	ug/l	97
5) Bromomethane	2.65	94	19345	10.539	ug/l	97
6) Chloroethane	2.80	64	16083	10.152	ug/l	98
7) Trichlorofluoromethane	3.13	101	43550	10.338	ug/l	97
8) Diethyl Ether	3.54	74	17067	11.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	25229	9.863	ug/l	95
10) Methyl Iodide	4.10	142	33153	9.478	ug/l	98
11) Tert butyl alcohol	4.96	59	18076	75.374	ug/l	95
12) 1,1-Dichloroethene	3.88	96	25648	10.026	ug/l	93
13) Acrolein	3.74	56	16592	60.355	ug/l	98
14) Allyl chloride	4.48	41	35314	9.590	ug/l	97
15) Acrylonitrile	5.18	53	37691	57.121	ug/l	99
16) Acetone	3.96	43	29817	60.498	ug/l	99
17) Carbon Disulfide	4.20	76	76617	9.627	ug/l	98
18) Methyl Acetate	4.49	43	15790	11.562	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	70346	10.941	ug/l	93
20) Methylene Chloride	4.72	84	31357	10.977	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	28706	10.089	ug/l	92
22) Diisopropyl ether	6.13	45	76458	10.433	ug/l	97
23) Vinyl Acetate	6.07	43	251001	53.085	ug/l	98
24) 1,1-Dichloroethane	6.04	63	44152	10.102	ug/l	99
25) 2-Butanone	6.99	43	47966	59.640	ug/l	99
26) 2,2-Dichloropropane	6.99	77	43787	10.710	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	31567	10.227	ug/l	97
28) Bromochloromethane	7.34	49	19021	10.883	ug/l	99
29) Tetrahydrofuran	7.36	42	30721	56.730	ug/l	96
30) Chloroform	7.52	83	47300	10.401	ug/l	96
31) Cyclohexane	7.79	56	45273	10.260	ug/l #	86
32) 1,1,1-Trichloroethane	7.71	97	43057	10.230	ug/l	99
36) 1,1-Dichloropropene	7.93	75	37051	10.124	ug/l	99
37) Ethyl Acetate	7.08	43	21599	11.874	ug/l	98
38) Carbon Tetrachloride	7.91	117	42106	10.688	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	48541	9.921	ug/l	99
40) Benzene	8.17	78	109762	10.279	ug/l	99
41) Methacrylonitrile	7.33	41	9820m	9.250	ug/l	
42) 1,2-Dichloroethane	8.24	62	31386	11.064	ug/l	100
43) Isopropyl Acetate	8.28	43	38358	11.292	ug/l	99
44) Trichloroethene	8.94	130	35160	10.346	ug/l	90
45) 1,2-Dichloropropane	9.22	63	26161	10.274	ug/l	94
46) Dibromomethane	9.31	93	16339	11.375	ug/l	96
47) Bromodichloromethane	9.50	83	36570	10.471	ug/l	99
48) Methyl methacrylate	9.30	41	16828	10.801	ug/l	99
49) 1,4-Dioxane	9.30	88	4739	236.419	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	103566	58.840	ug/l	99
52) Toluene	10.24	92	71910	10.374	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	39505	10.549	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	45030	10.421	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	25136	11.658	ug/l	98
56) Ethyl methacrylate	10.51	69	32043	11.201	ug/l	98
57) 1,3-Dichloropropane	10.79	76	40136	11.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	80833	57.541	ug/l	100
59) 2-Hexanone	10.83	43	72531	58.825	ug/l	99
60) Dibromochloromethane	10.99	129	30347	11.073	ug/l	99
61) 1,2-Dibromoethane	11.09	107	23714	11.184	ug/l	99
64) Tetrachloroethene	10.72	164	37670	9.829	ug/l	99
65) Chlorobenzene	11.52	112	82501	10.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	30340	10.321	ug/l	98
67) Ethyl Benzene	11.59	91	140886	10.194	ug/l	98
68) m/p-Xylenes	11.70	106	108921	20.253	ug/l	100
69) o-Xylene	12.03	106	51518	10.190	ug/l	99
70) Styrene	12.04	104	88941	10.232	ug/l	99
71) Bromoform	12.20	173	20396	11.125	ug/l #	97
73) Isopropylbenzene	12.33	105	141605	9.788	ug/l	99
74) N-amyl acetate	12.14	43	36519	10.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	25199	11.473	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	20482m	11.107	ug/l	
77) Bromobenzene	12.61	156	36992	10.168	ug/l	99
78) n-propylbenzene	12.67	91	165568	9.839	ug/l	100
79) 2-Chlorotoluene	12.75	91	92912	9.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	118757	9.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10765	10.945	ug/l	98
82) 4-Chlorotoluene	12.85	91	98017	9.983	ug/l	99
83) tert-Butylbenzene	13.07	119	106588	9.880	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	119033	9.781	ug/l	99
85) sec-Butylbenzene	13.25	105	145732	9.814	ug/l	99
86) p-Isopropyltoluene	13.37	119	134306	9.675	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	71777	10.230	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	70308	10.066	ug/l	98
89) n-Butylbenzene	13.69	91	123789	9.709	ug/l	99
90) Hexachloroethane	13.96	117	25359	9.837	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	64841	10.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4858	11.517	ug/l	95

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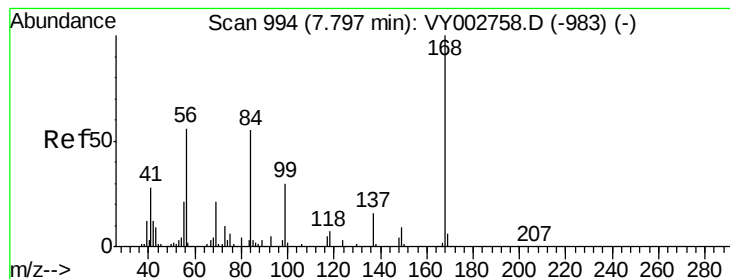
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	47741	9.774	ug/l	99
94) Hexachlorobutadiene	15.11	225	28022	9.545	ug/l	99
95) Naphthalene	15.23	128	95427	10.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43726	10.254	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 294075

Ion Ratio Lower Upper

168 100

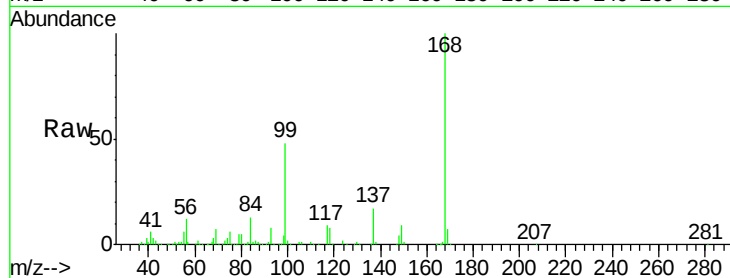
99 47.9 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

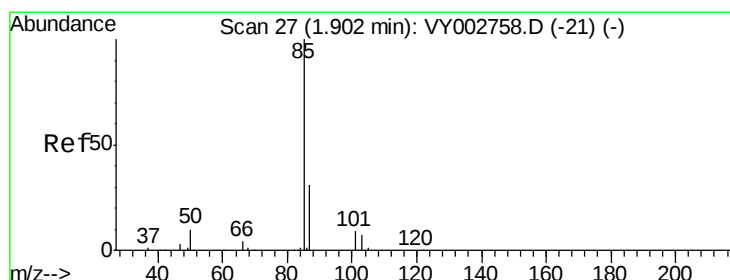
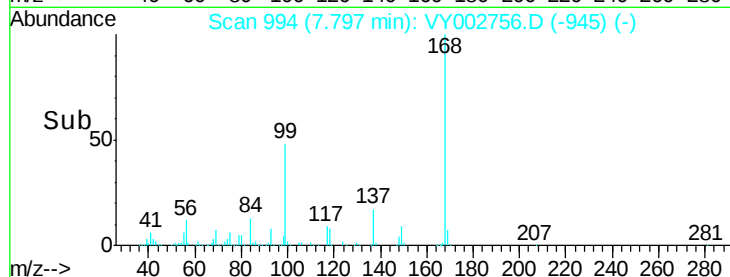
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.069 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002756.D

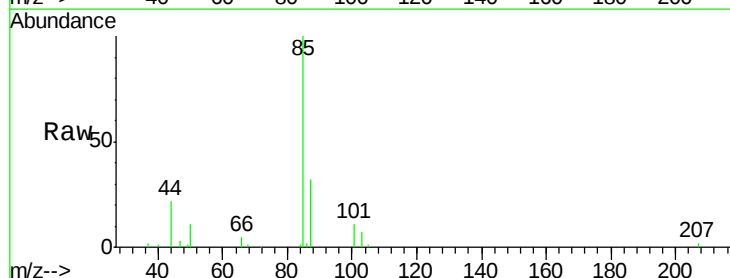
Acq: 27 May 2020 11:27

Tgt Ion: 85 Resp: 20991

Ion Ratio Lower Upper

85 100

87 32.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

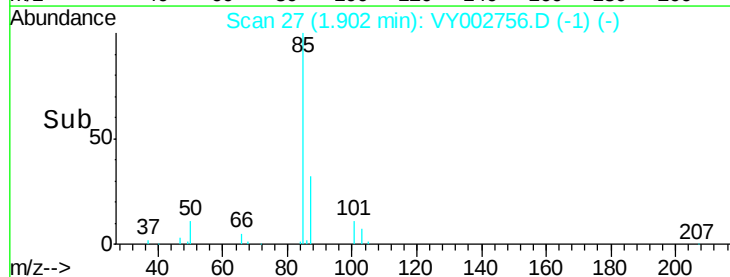
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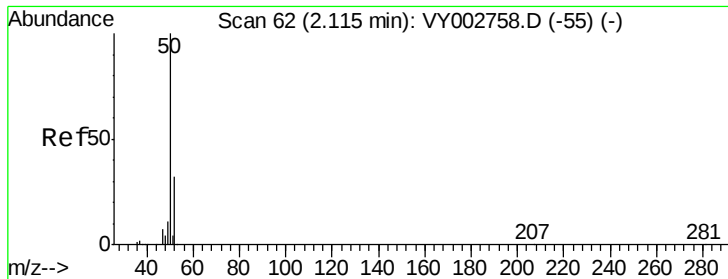
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5000

0

Time-->





#3

Chloromethane

Concen: 9.838 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 23305

Ion Ratio Lower Upper

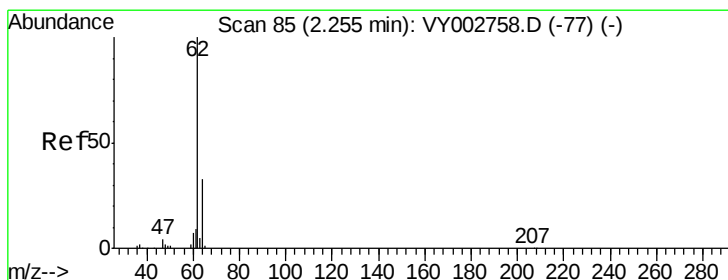
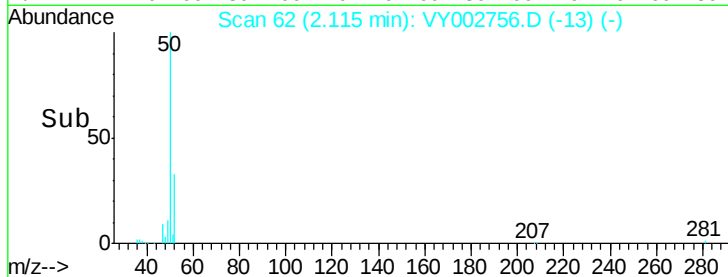
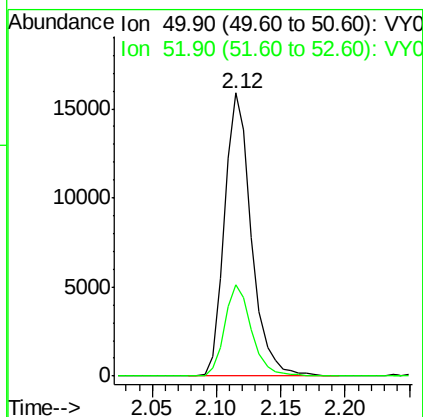
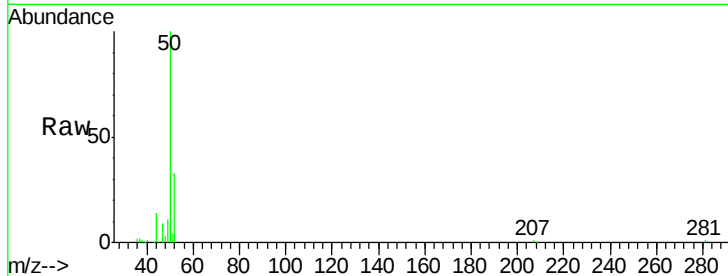
50 100

52 32.5 25.8 38.6

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#4

Vinyl Chloride

Concen: 9.807 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002756.D

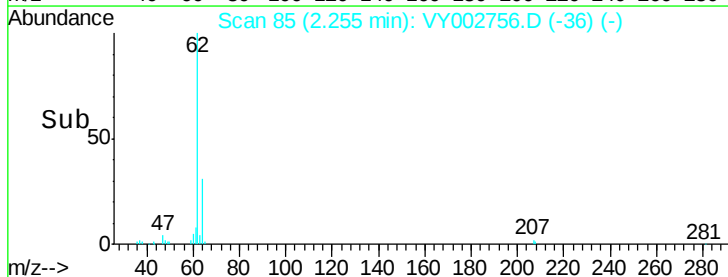
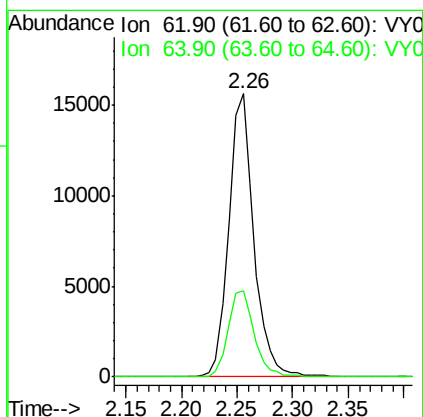
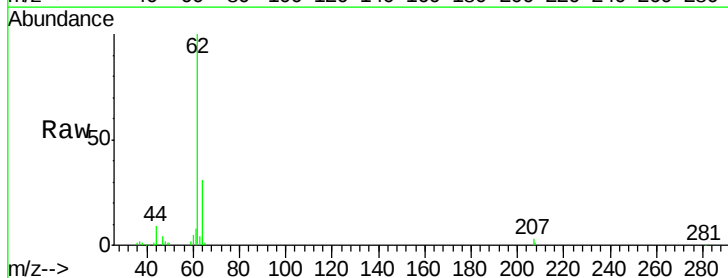
Acq: 27 May 2020 11:27

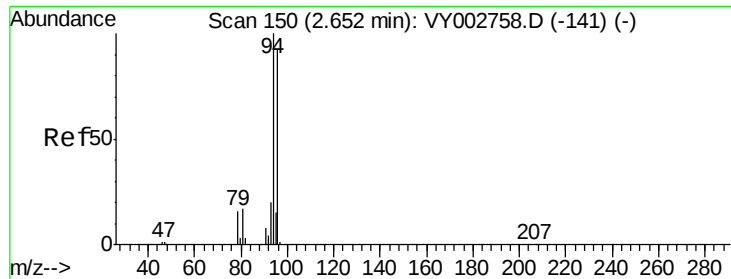
Tgt Ion: 62 Resp: 24271

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 10.539 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19345

Ion Ratio Lower Upper

94 100

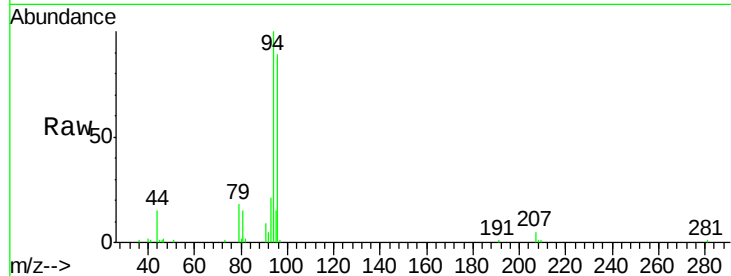
96 89.0 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

10000

8000

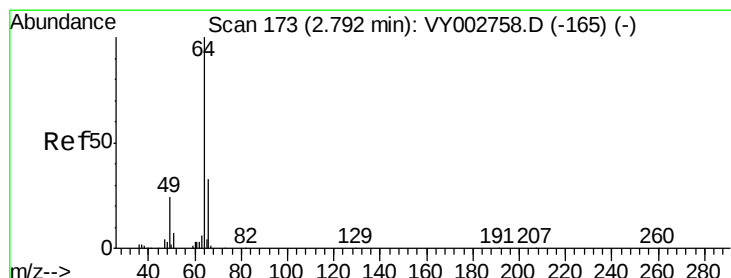
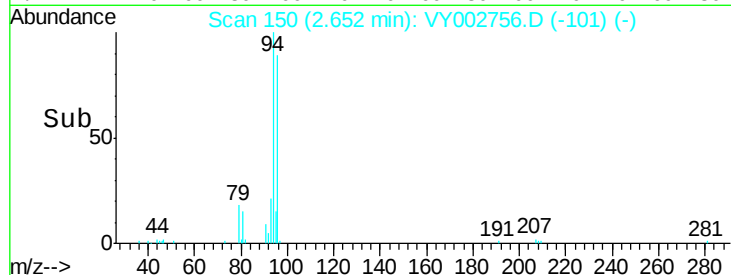
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 10.152 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002756.D

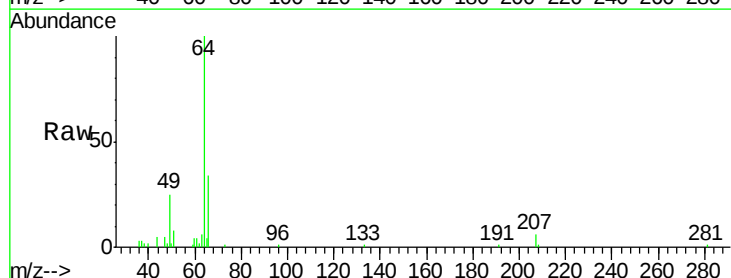
Acq: 27 May 2020 11:27

Tgt Ion: 64 Resp: 16083

Ion Ratio Lower Upper

64 100

66 34.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

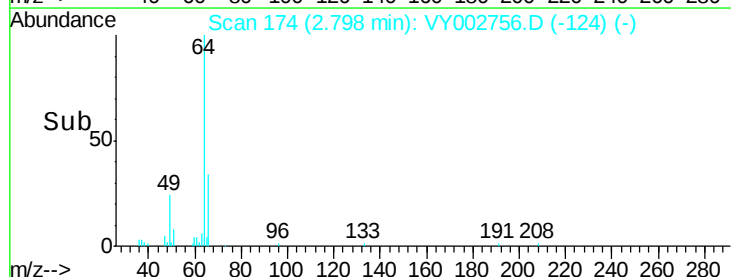
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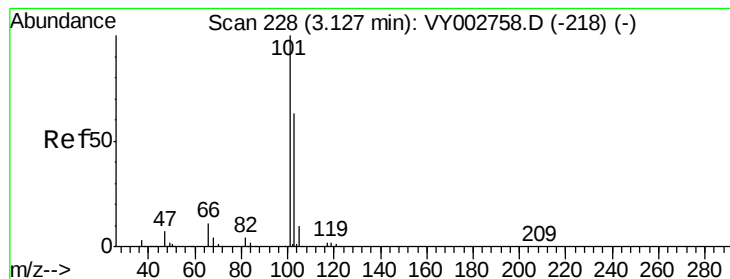
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2000

0

Time-->





#7

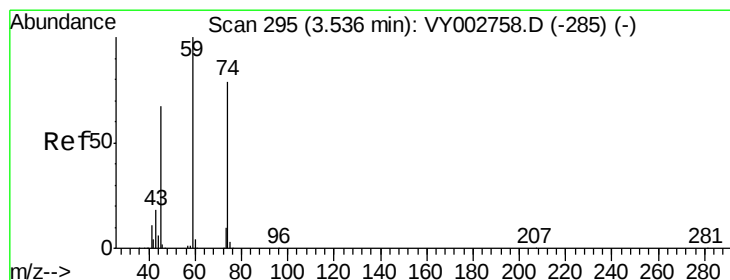
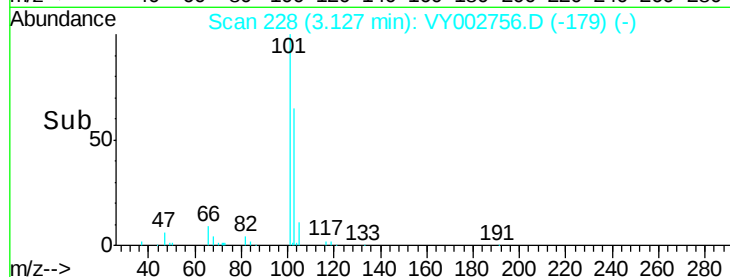
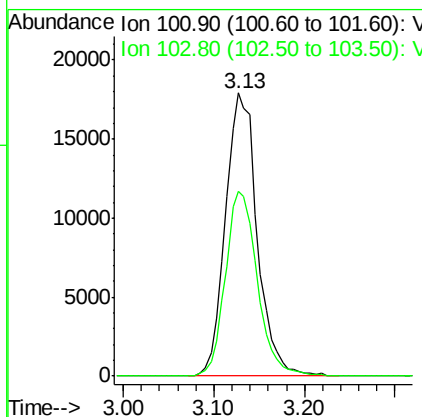
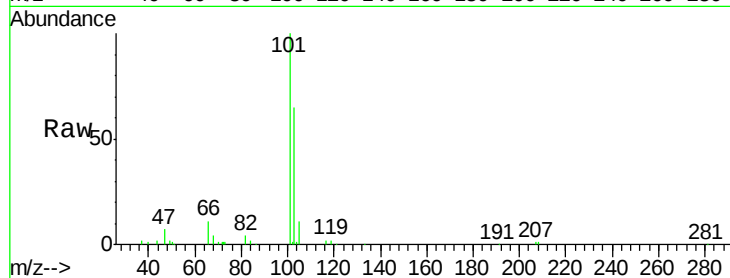
Trichlorofluoromethane
Concen: 10.338 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	43550		
103	65.3	50.6	76.0	

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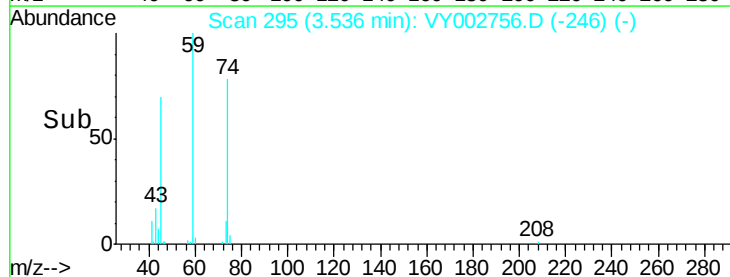
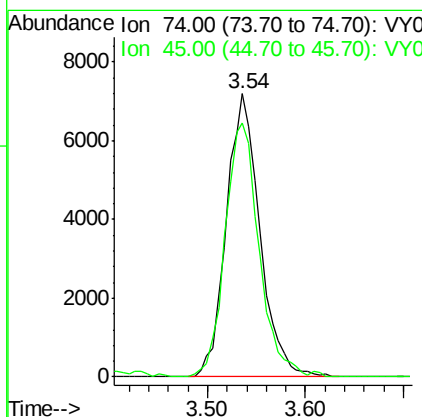
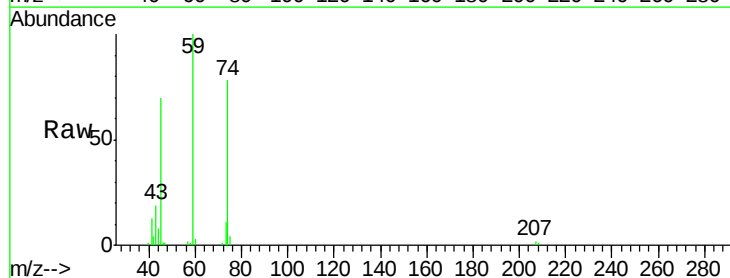
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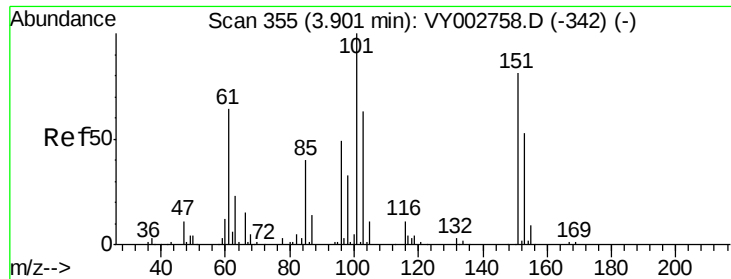


#8

Diethyl Ether
Concen: 11.794 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	17067		
45	90.9	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.863 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

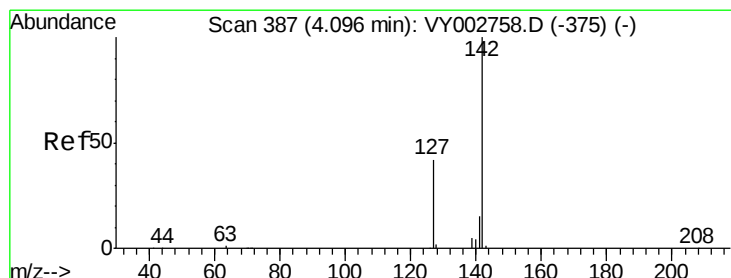
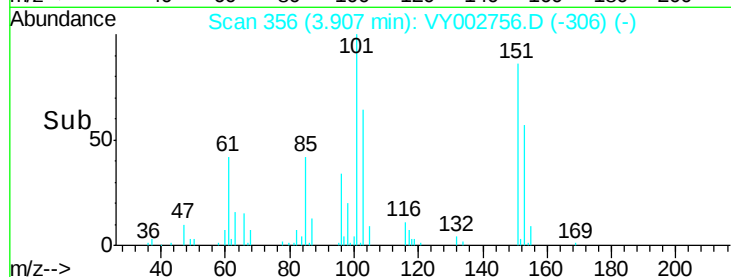
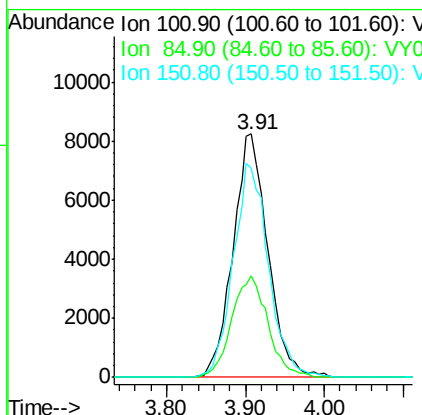
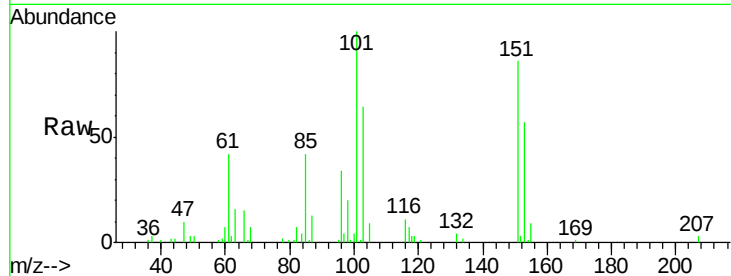
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	25229
Ion Ratio	Lower	Upper	
101	100		
85	43.3	32.7	49.1
151	89.4	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 9.478 ug/l

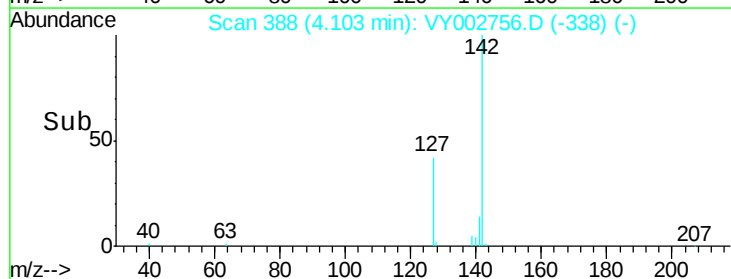
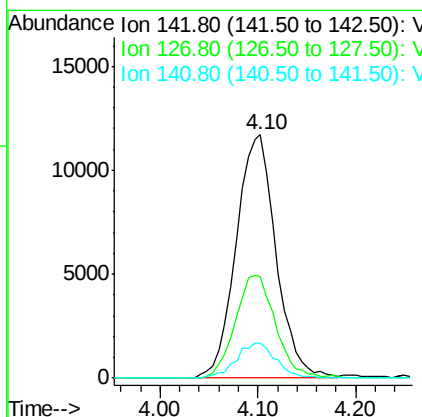
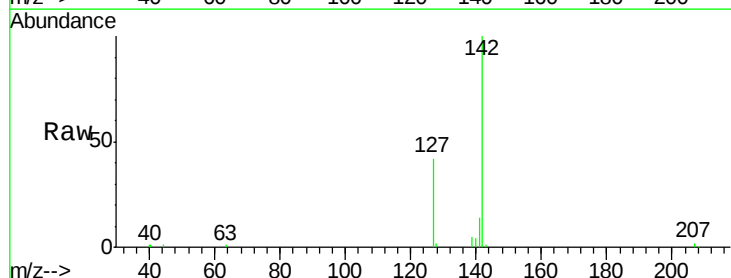
RT: 4.10 min Scan# 388

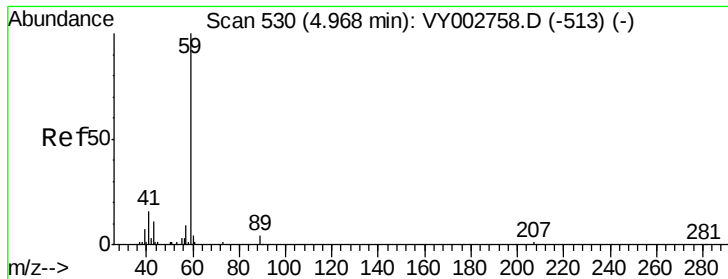
Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	142	Resp:	33153
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.3	49.9
141	14.2	11.5	17.3





#11

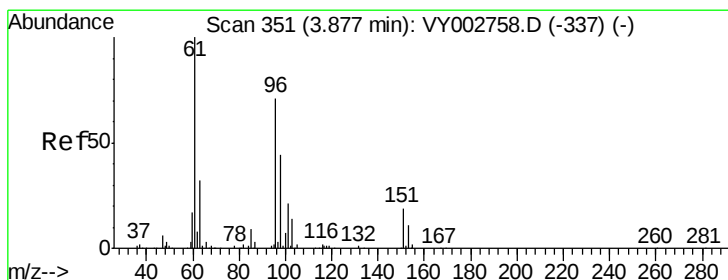
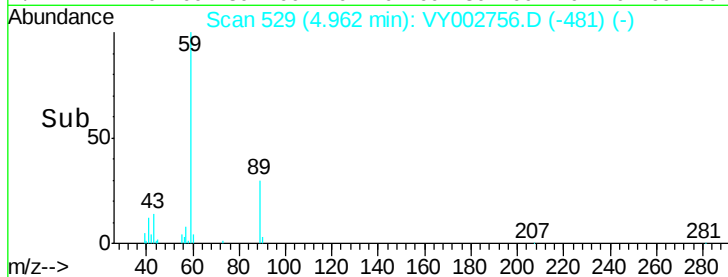
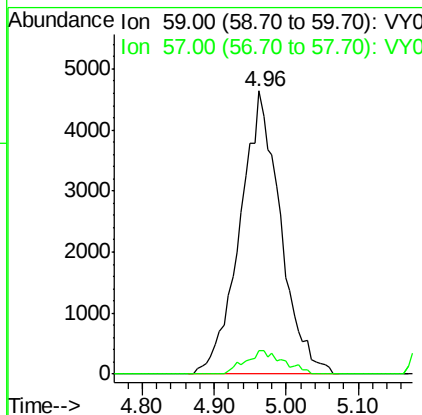
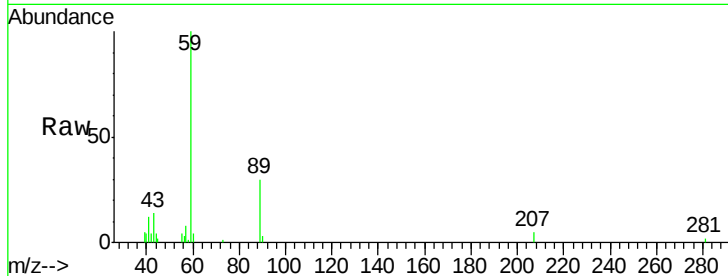
Tert butyl alcohol
 Concen: 75.374 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	18076		
57	57	7.8		7.7	11.5

Manual Integrations
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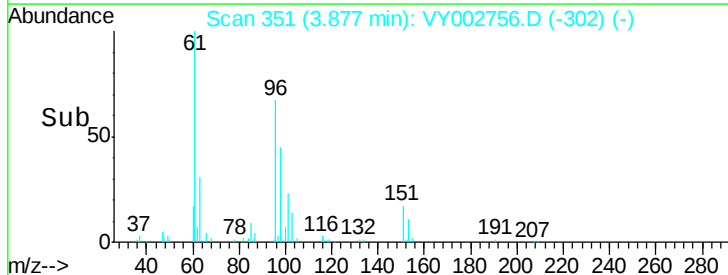
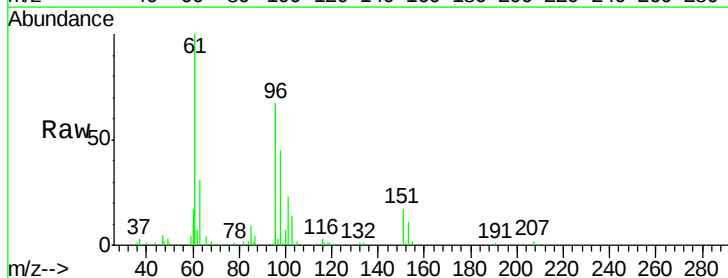
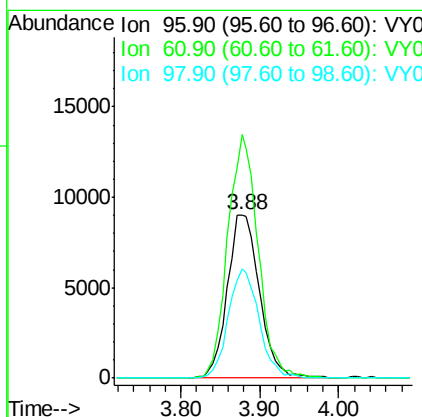
MMDadoda
 5/28/2020 2:08:34 PM

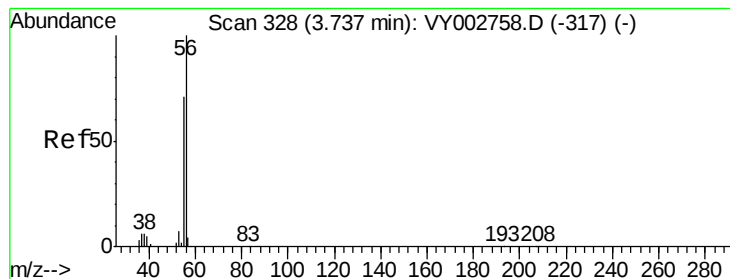


#12

1,1-Dichloroethene
 Concen: 10.026 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	25648		
61	61	149.1		112.6	168.8
98	98	66.9		50.0	75.0





#13

Acrolein

Concen: 60.355 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 16592

Ion Ratio Lower Upper

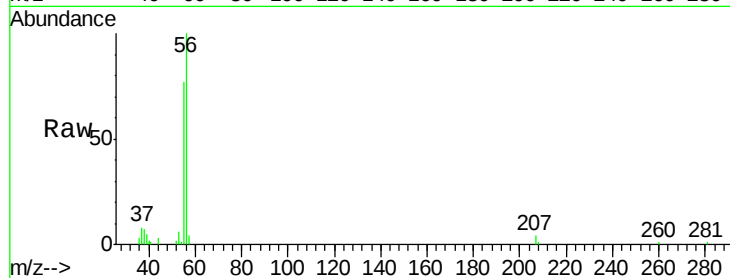
56 100

55 68.0 56.0 84.0

Manual Integrations
APPROVED

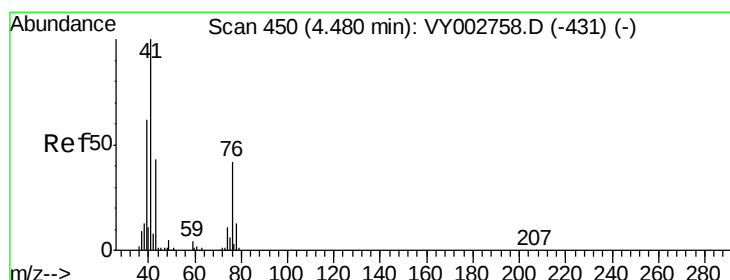
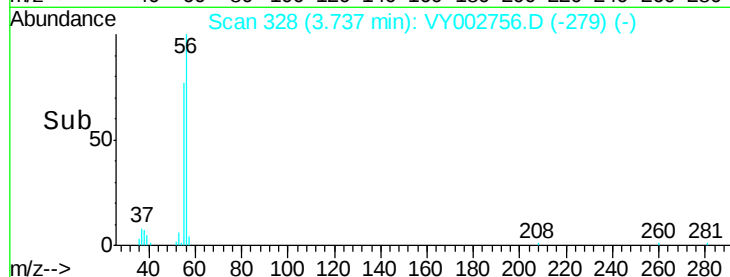
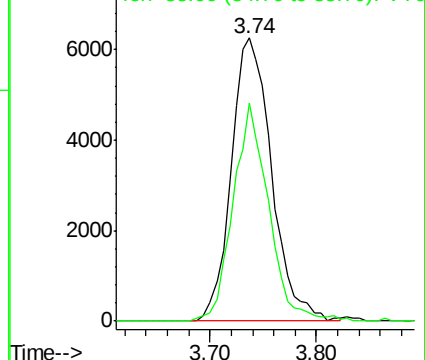
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 9.590 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

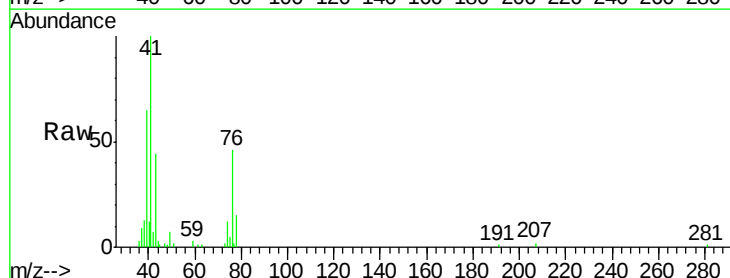
Tgt Ion: 41 Resp: 35314

Ion Ratio Lower Upper

41 100

39 64.0 49.9 74.9

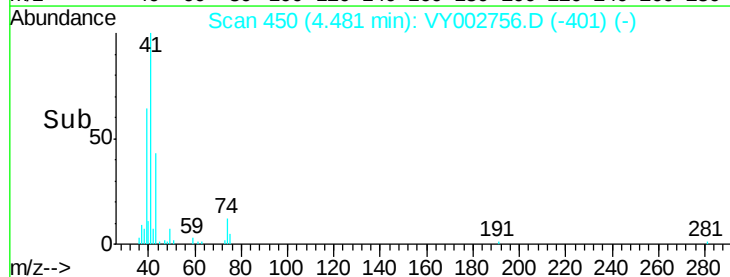
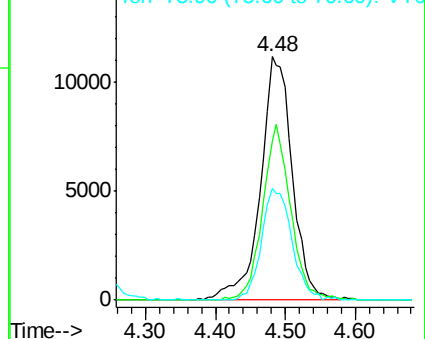
76 44.0 33.2 49.8

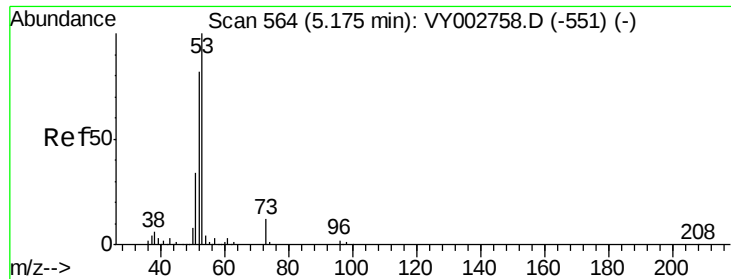


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 57.121 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

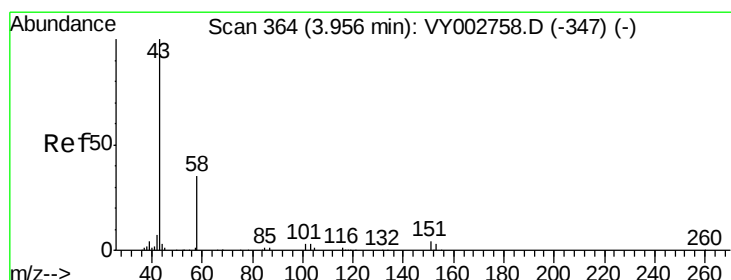
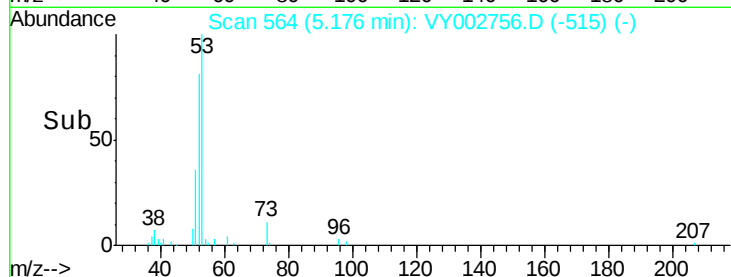
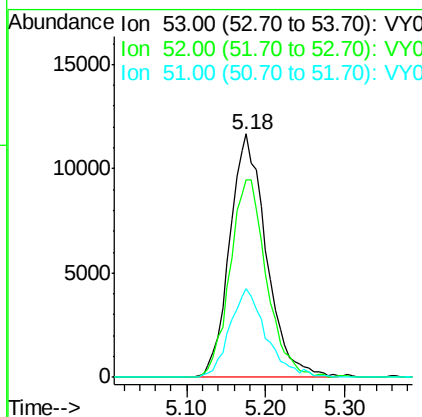
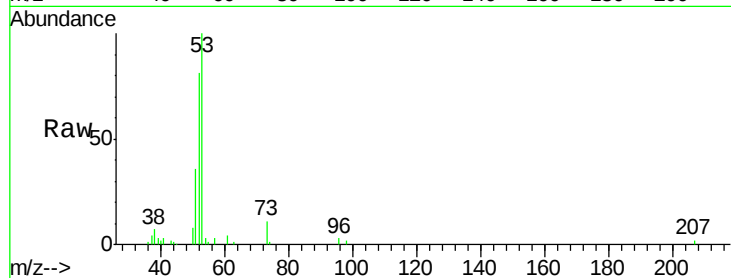
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	37691
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.3	97.9
51	36.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 60.498 ug/l

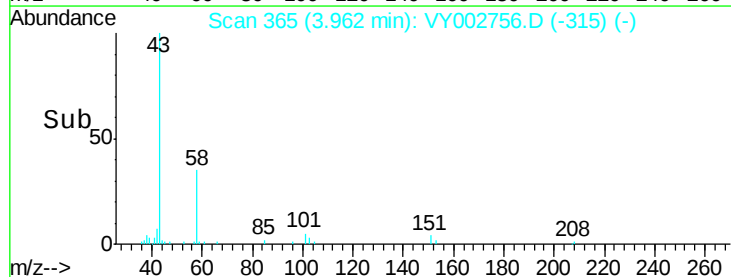
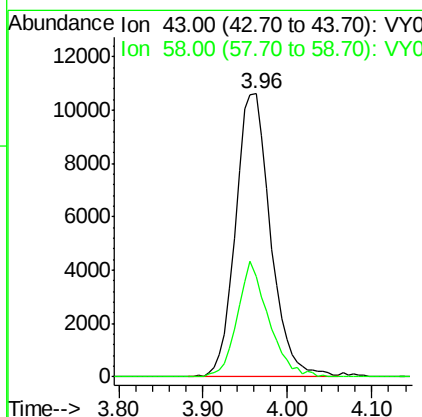
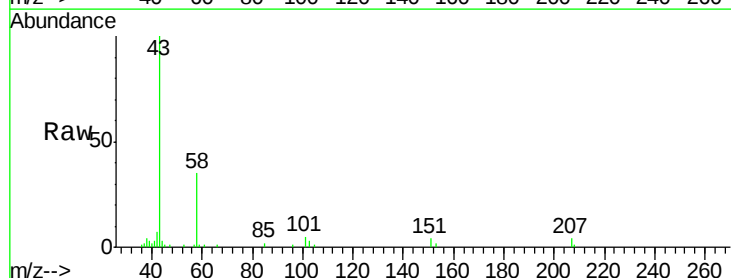
RT: 3.96 min Scan# 365

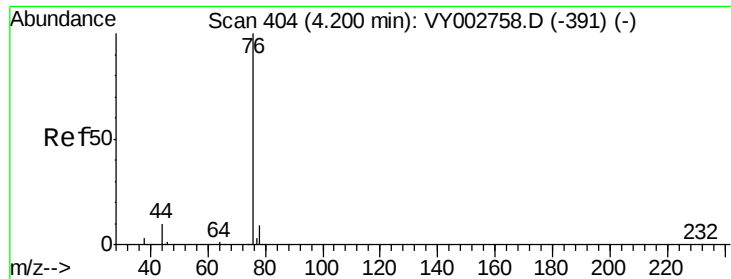
Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	43	Resp:	29817
Ion Ratio	Lower	Upper	
43	100		
58	35.4	27.7	41.5





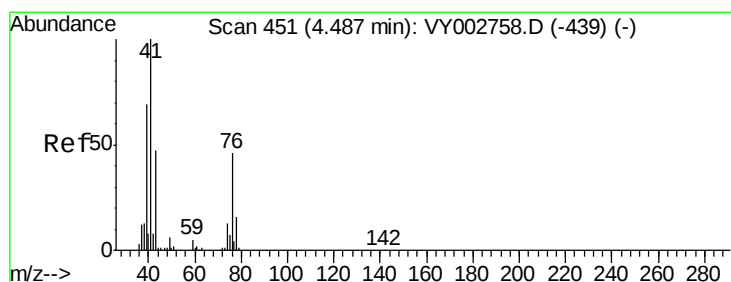
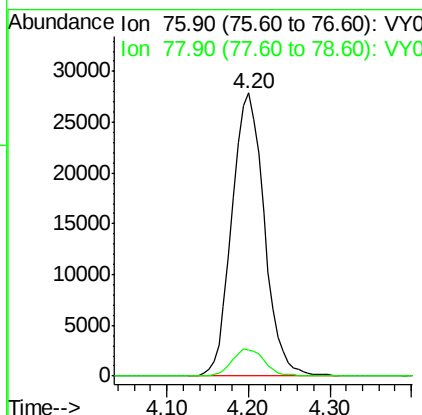
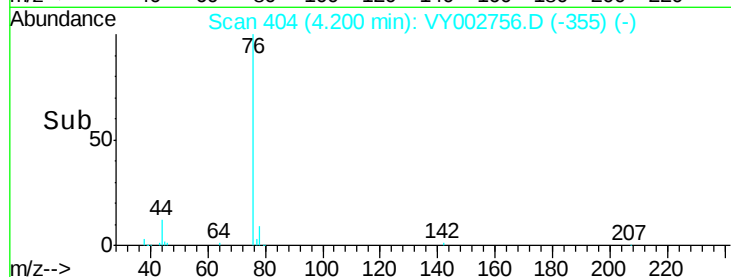
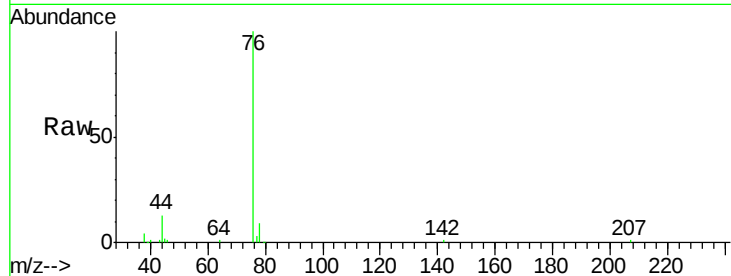
#17
Carbon Disulfide
Concen: 9.627 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

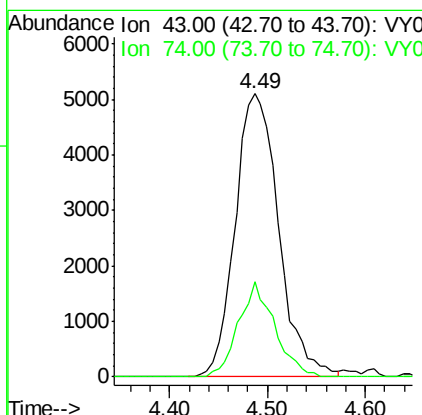
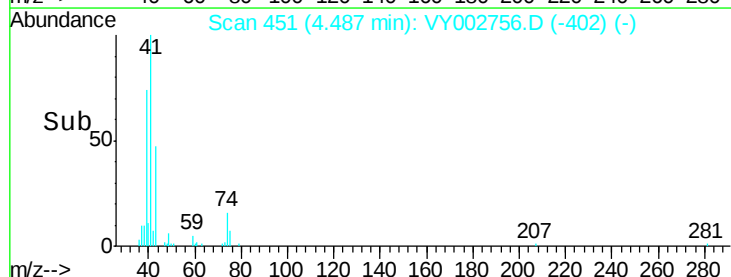
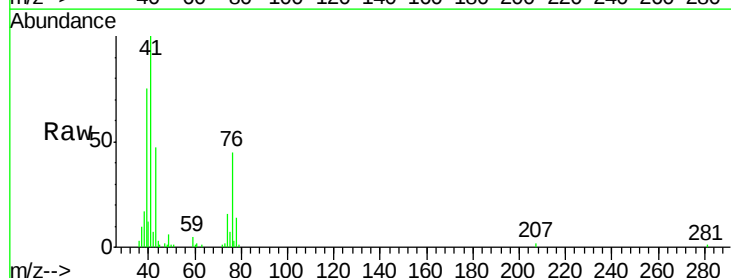
Manual Integrations
APPROVED

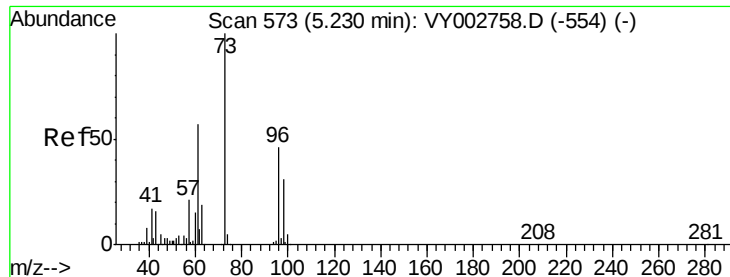
MMDadoda
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#18
Methyl Acetate
Concen: 11.562 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.4	32.0





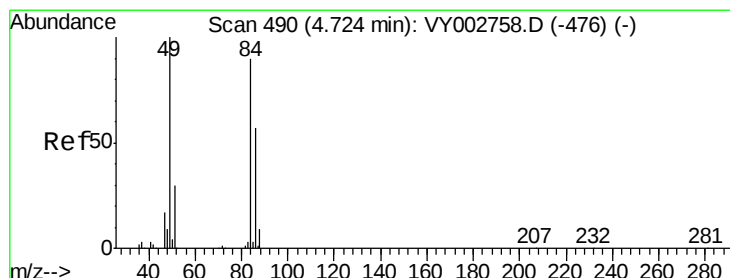
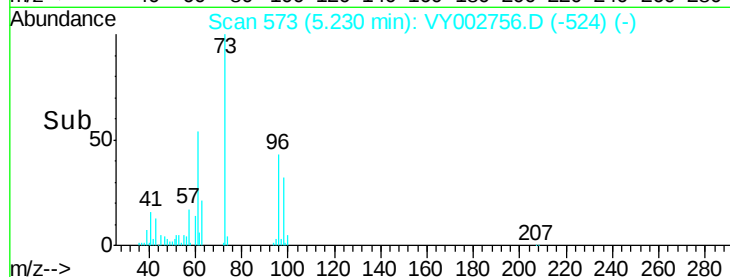
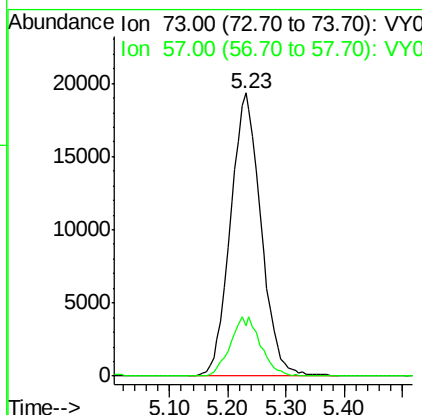
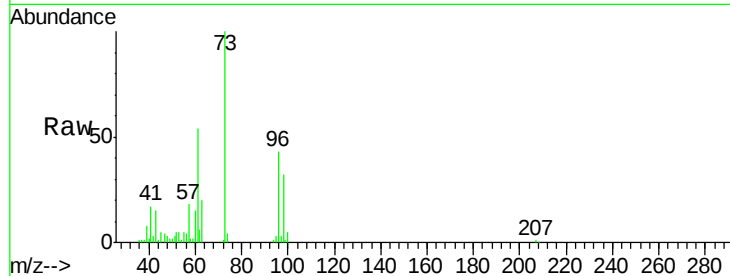
#19
Methvl tert-butvl Ether
Concen: 10.941 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 70346
Ion Ratio Lower Upper
73 100
57 17.8 17.0 25.4

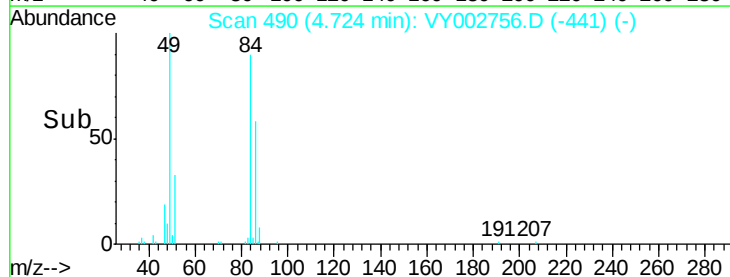
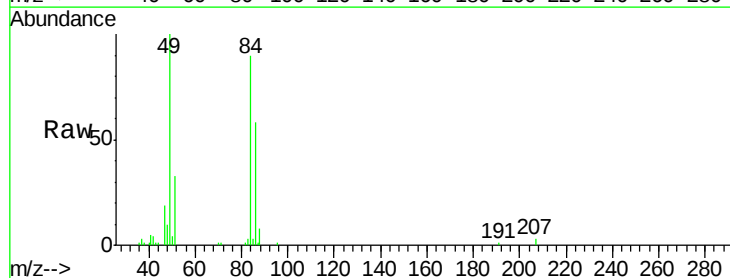
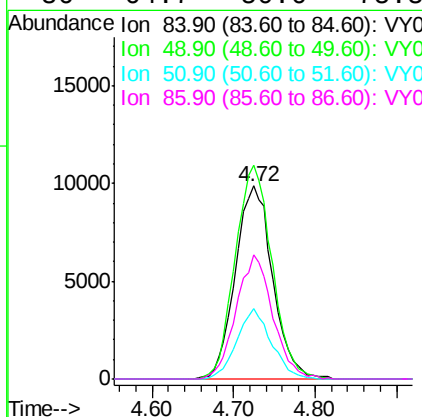
Manual Integrations
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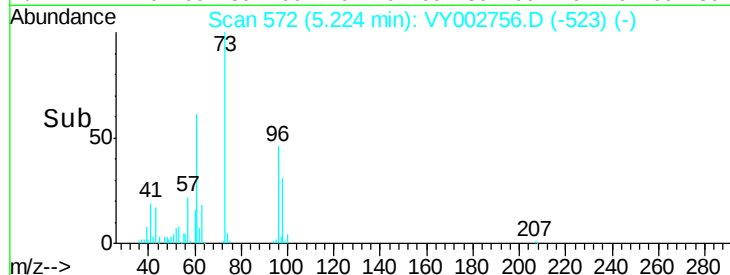
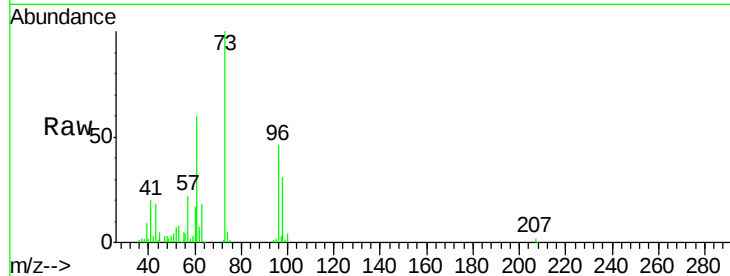
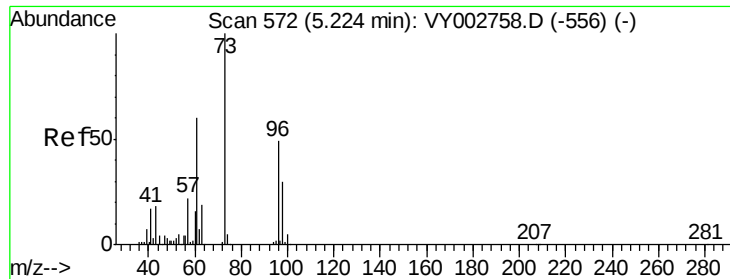
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#20
Methylene Chloride
Concen: 10.977 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 84 Resp: 31357
Ion Ratio Lower Upper
84 100
49 110.8 88.5 132.7
51 36.9 26.8 40.2
86 64.7 50.6 75.8





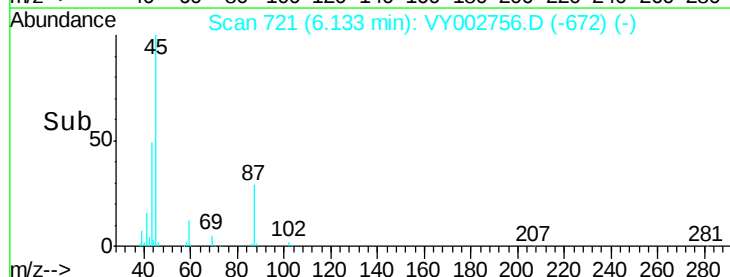
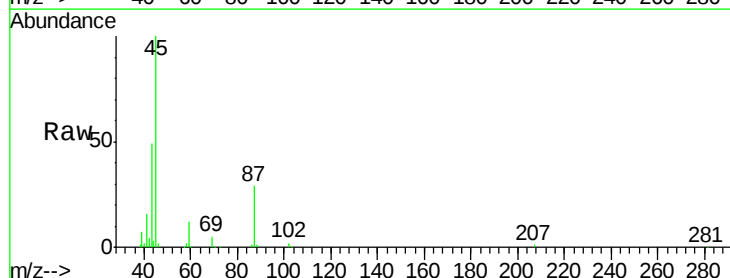
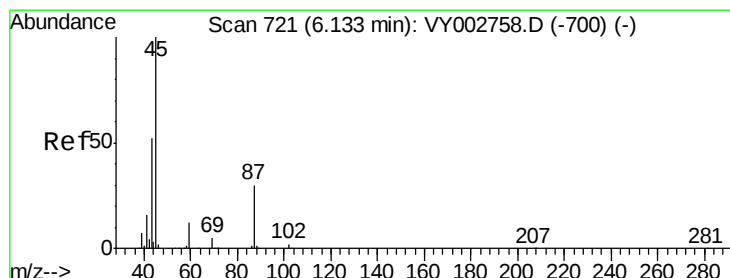
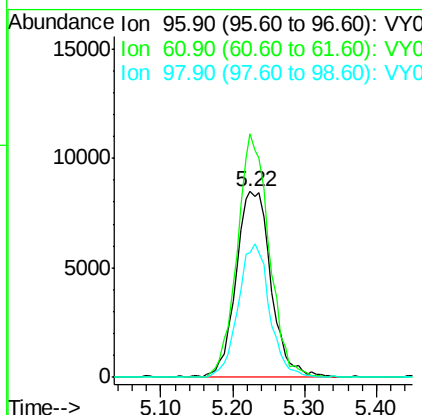
#21
trans-1,2-Dichloroethene
Concen: 10.089 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tot Ion	Ratio	Resp	Lower	Upper
96	100	28706		
61	130.9		96.8	145.2
98	66.7		49.4	74.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

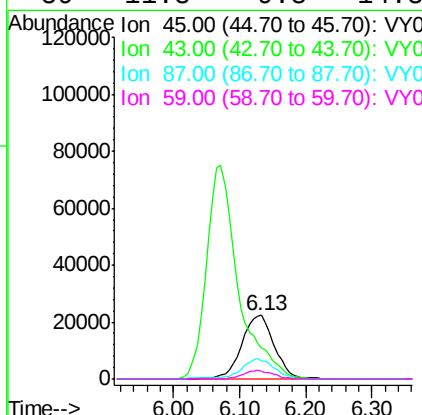
Manual Integrations
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#22
Diisopropyl ether
Concen: 10.433 ug/l
RT: 6.13 min Scan# 721
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	76458		
43	48.9		41.7	62.5
87	29.1		24.2	36.2
59	11.8		9.8	14.8





#23

Vinyl Acetate

Concen: 53.085 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tot Ion: 43 Resp: 251001

Ion Ratio Lower Upper

43 100

86 13.5 10.2 15.2

Instrument :

MSVOA_Y

ClientSampleId :

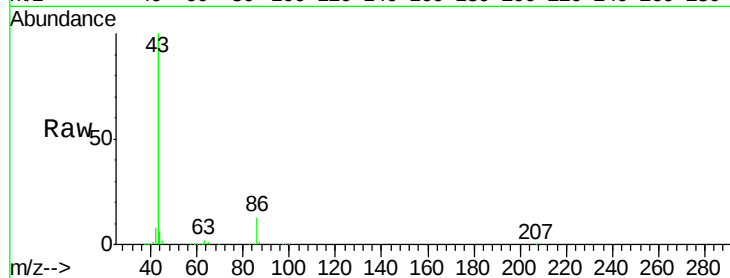
VSTDIC010

Manual Integrations

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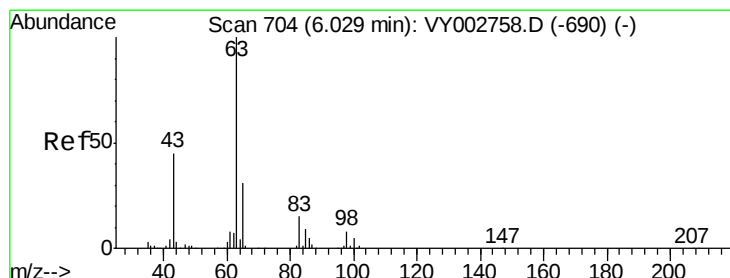
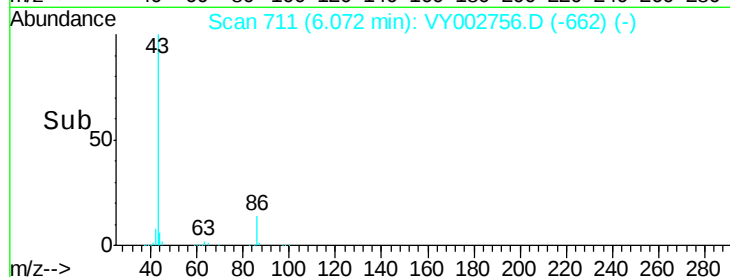
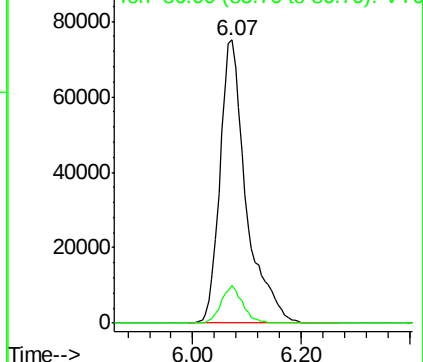
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 10.102 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

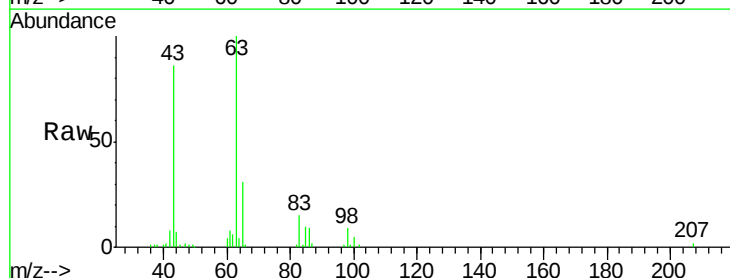
Tgt Ion: 63 Resp: 44152

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

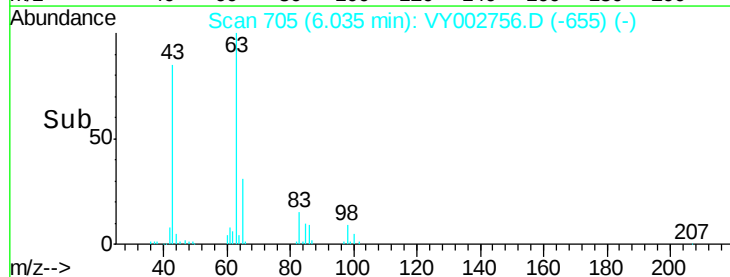
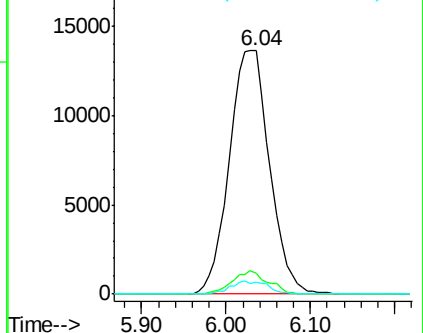
100 4.9 2.4 7.1

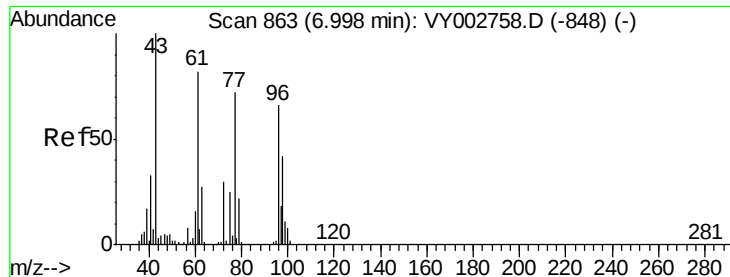


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 59.640 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 47966

Ion Ratio Lower Upper

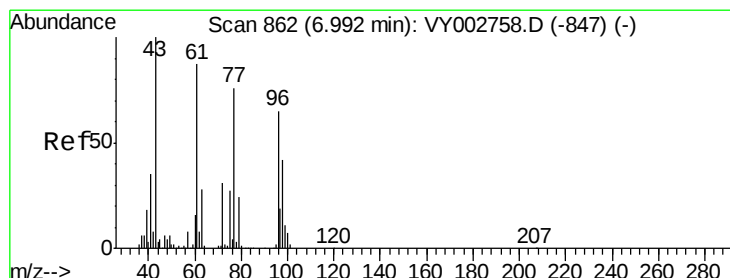
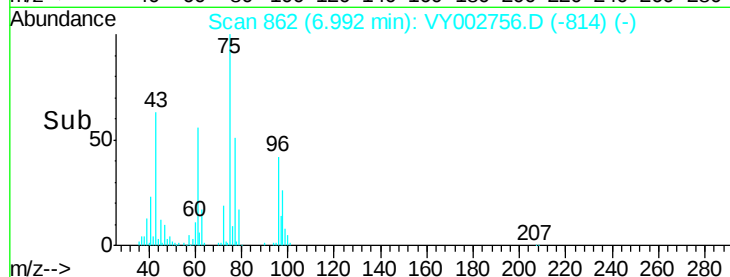
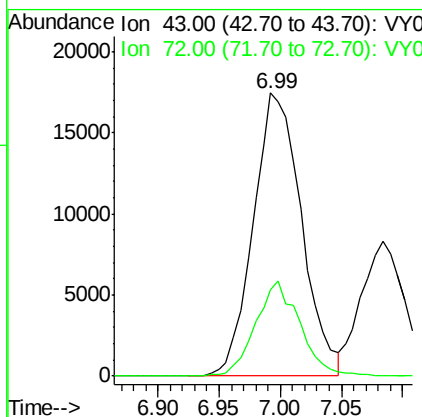
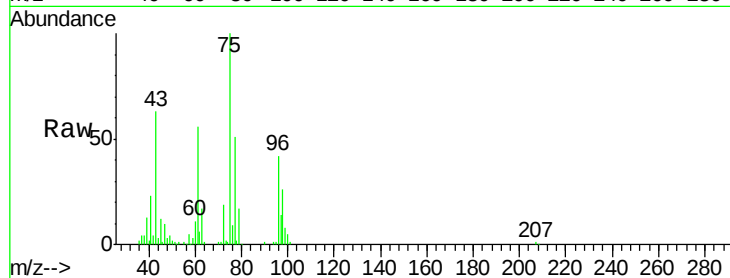
43 100

72 30.3 23.9 35.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.710 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002756.D

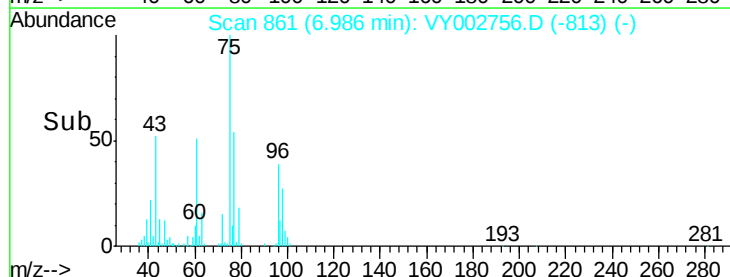
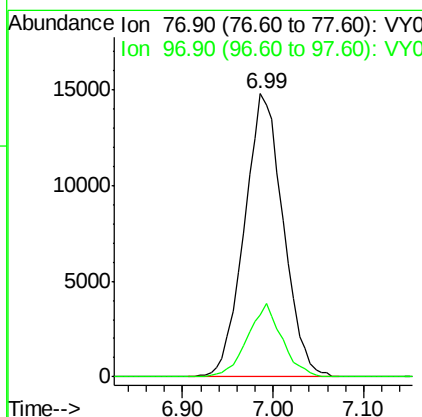
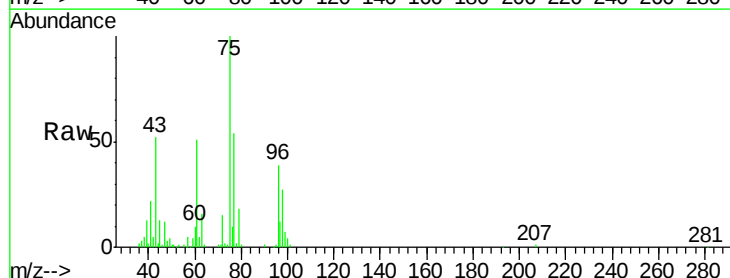
Acq: 27 May 2020 11:27

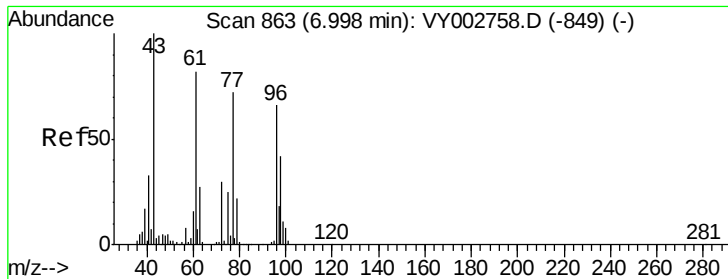
Tgt Ion: 77 Resp: 43787

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.6





#27

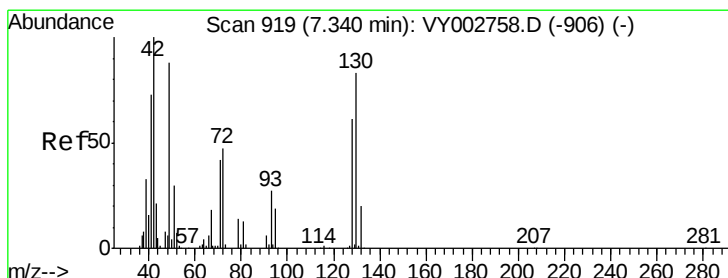
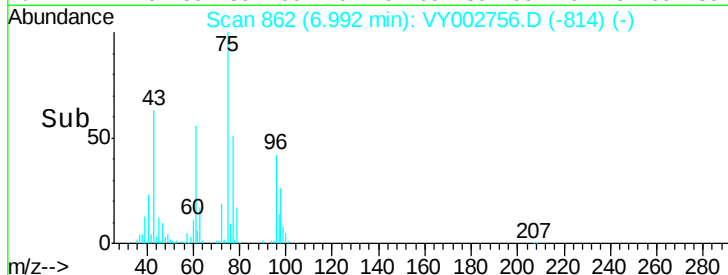
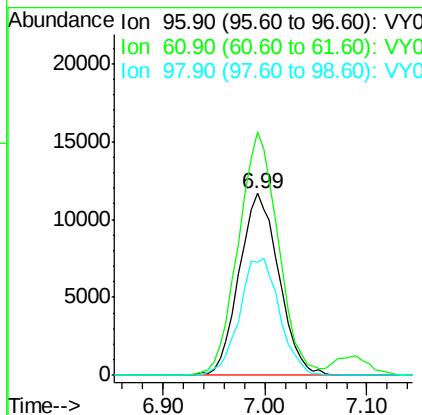
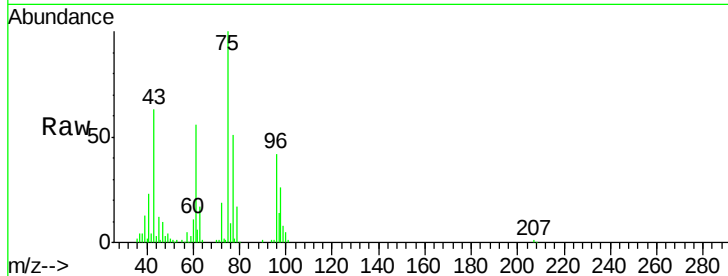
cis-1,2-Dichloroethene
Concen: 10.227 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	260.2
98	64.8	0.0	128.2

Manual Integrations
APPROVED

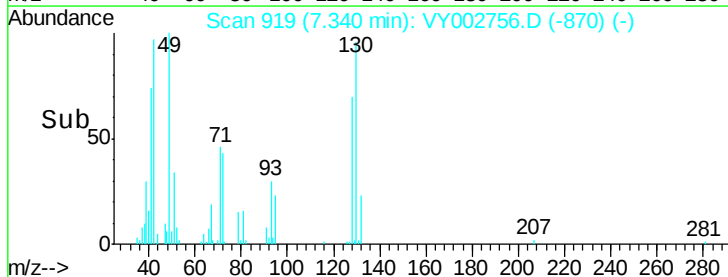
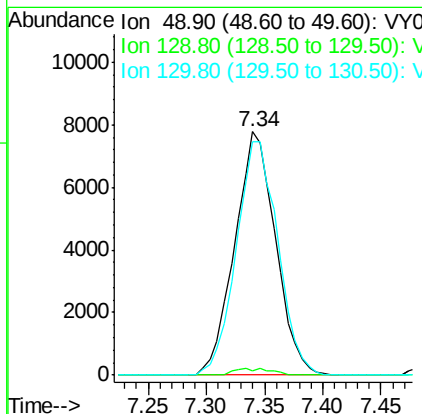
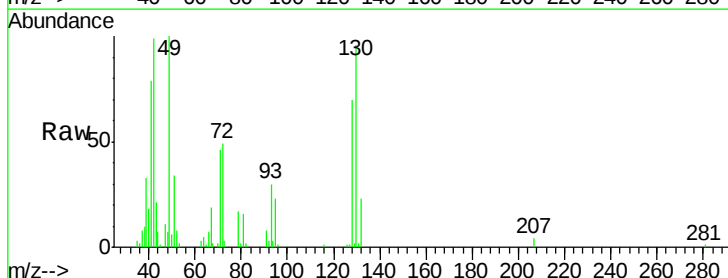
MMDadoda
5/28/2020 2:08:34 PM



#28

Bromochloromethane
Concen: 10.883 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.2
130	97.9	77.1	115.7





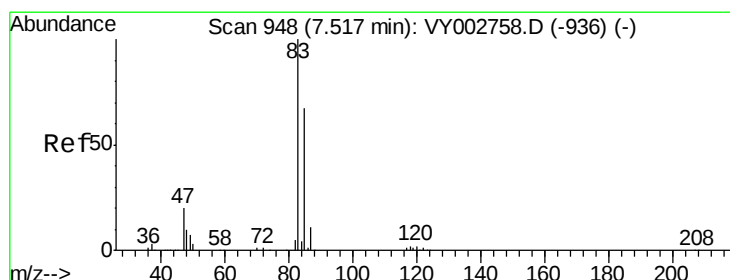
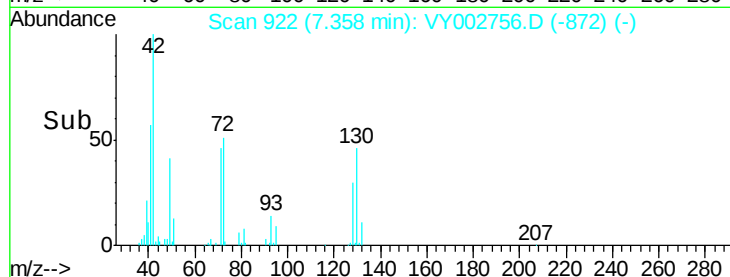
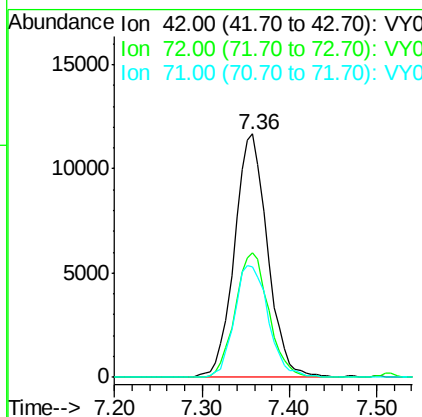
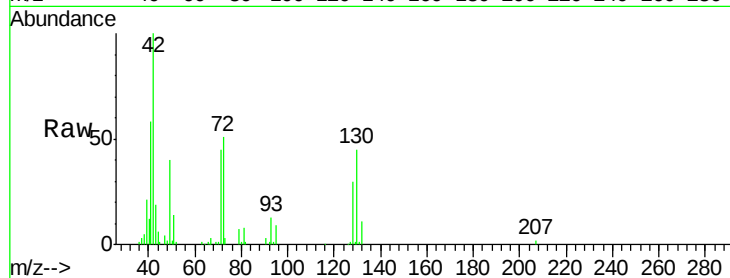
#29
Tetrahydrofuran
Concen: 56.730 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	38.6	58.0
71	47.2	35.8	53.8

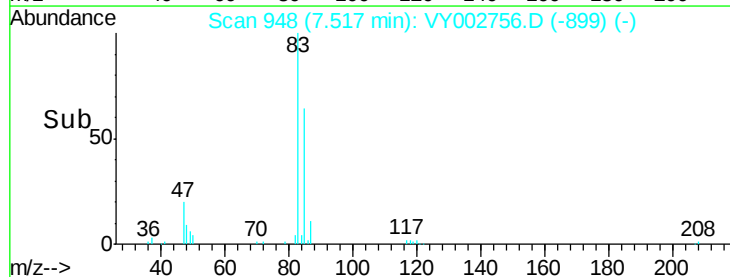
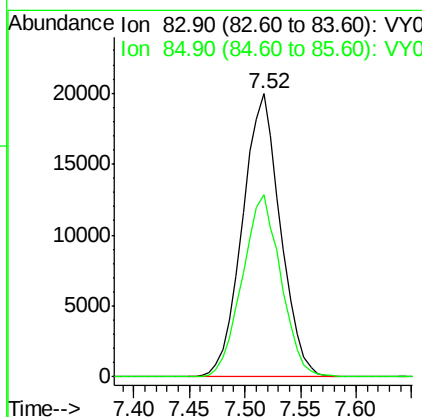
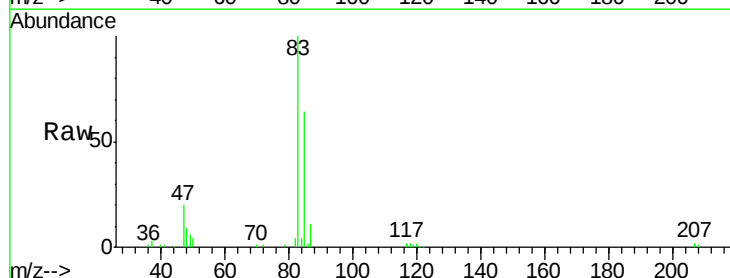
Manual Integrations
APPROVED

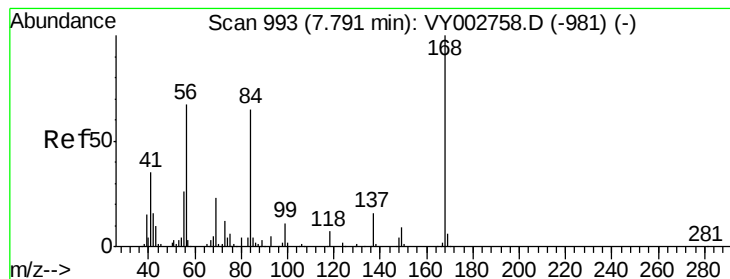
MMDadoda
5/28/2020 2:08:34 PM



#30
Chloroform
Concen: 10.401 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.8	80.8





#31

Cyclohexane

Concen: 10.260 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 45273

Ion Ratio Lower Upper

56 100

69 47.1 28.0 42.0#

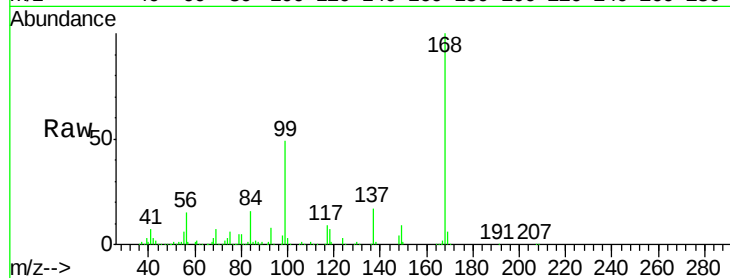
84 108.1 77.7 116.5

Manual Integrations

APPROVED

MMDadoda

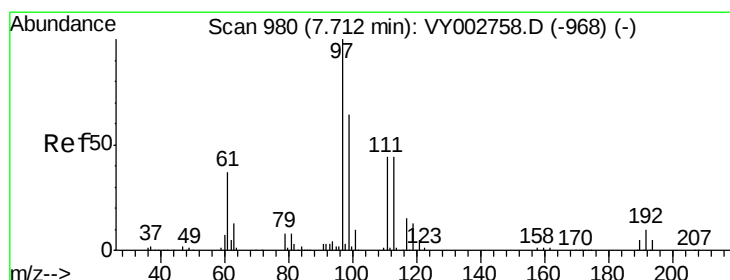
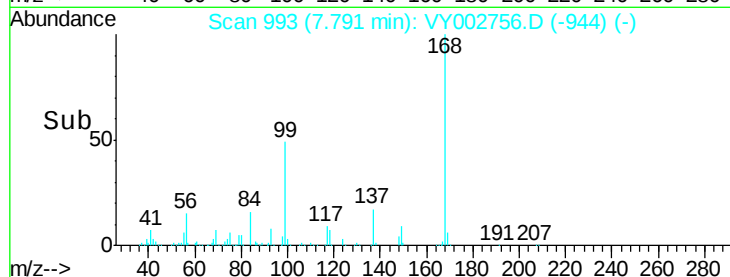
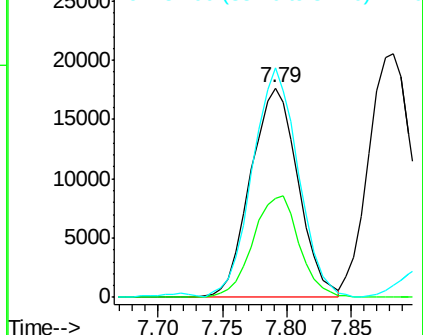
5/28/2020 2:08:34 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 10.230 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

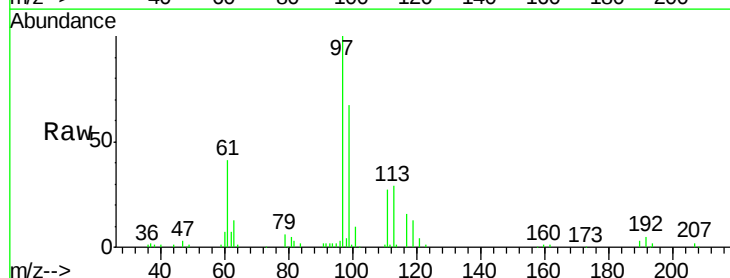
Tgt Ion: 97 Resp: 43057

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

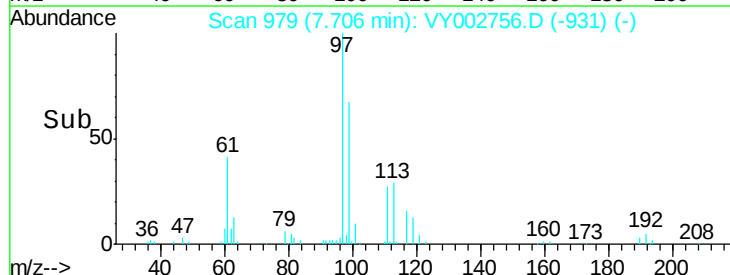
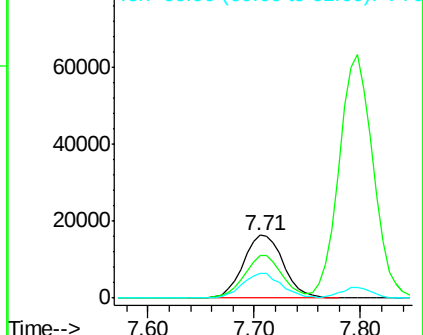
61 38.5 30.1 45.1

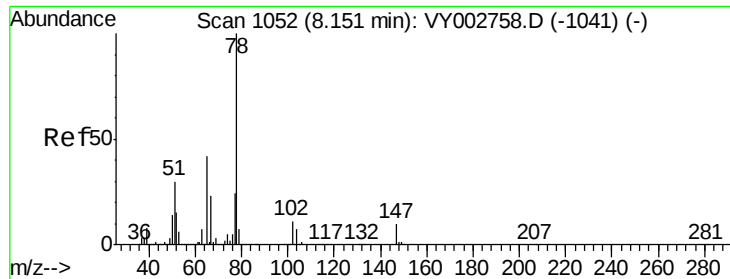


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





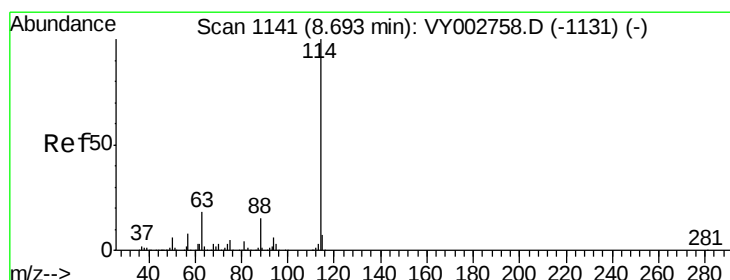
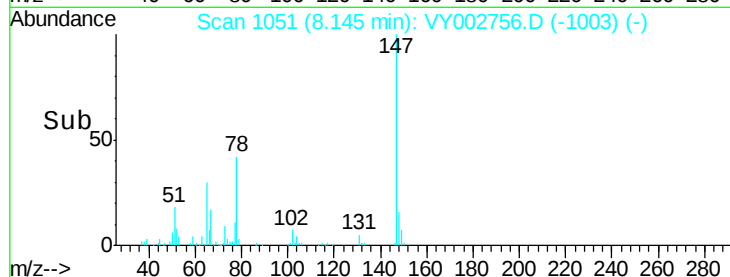
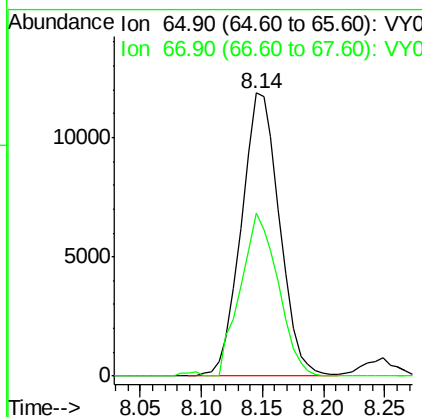
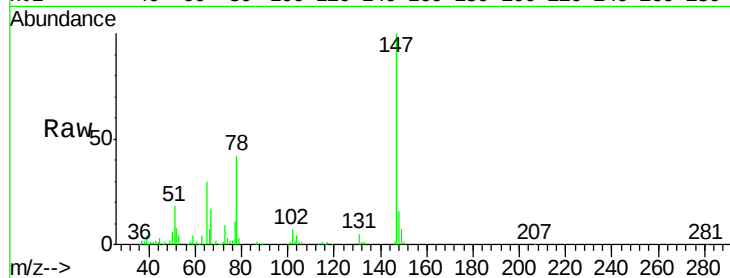
#33
 1,2-Dichloroethane-d4
 Concen: 11.096 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	25800		
67	56.4	0.0	111.0	

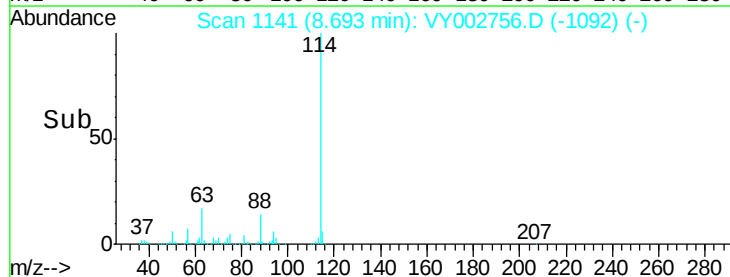
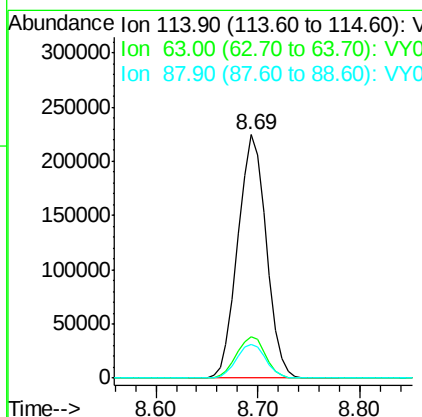
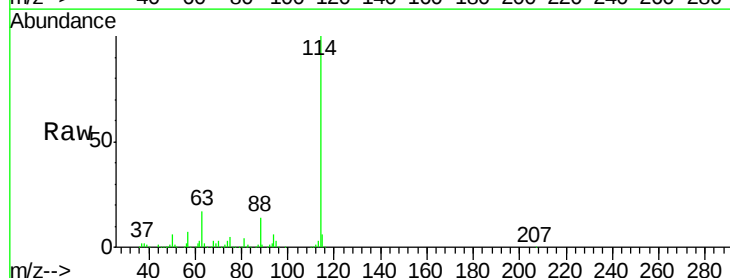
Manual Integrations
 APPROVED

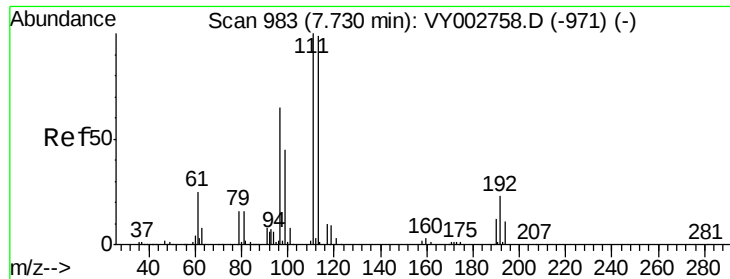
MMDadoda
 5/28/2020 2:08:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434329		
63	16.8	0.0	35.2	
88	13.9	0.0	29.2	





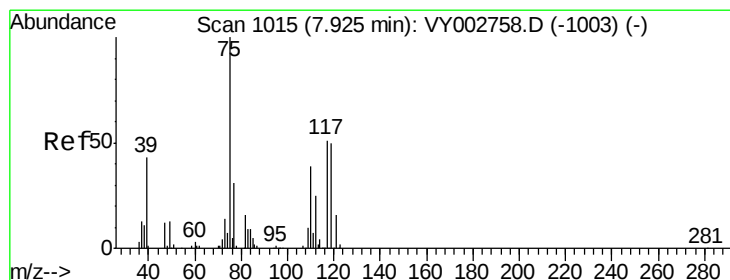
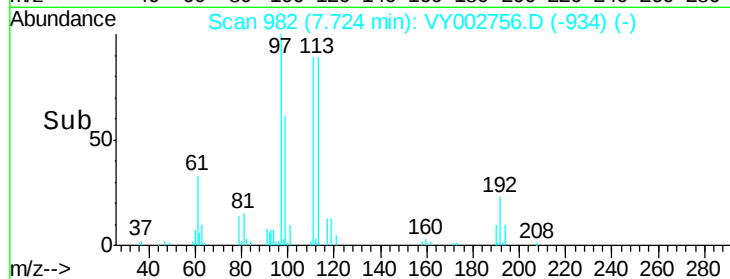
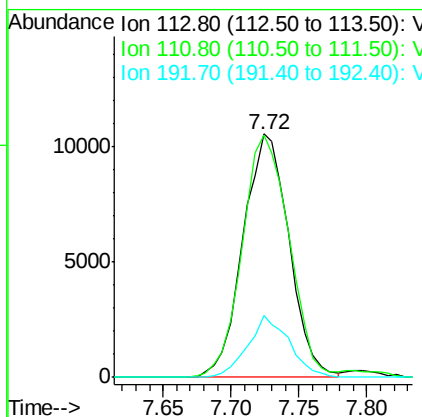
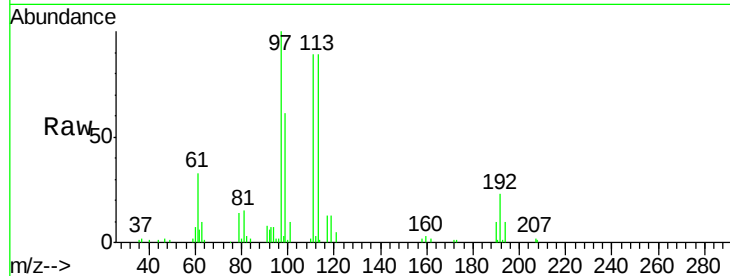
#35
 Dibromofluoromethane
 Concen: 10.344 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	24990		
111	101.4	82.0	123.0	
192	22.8	18.9	28.3	

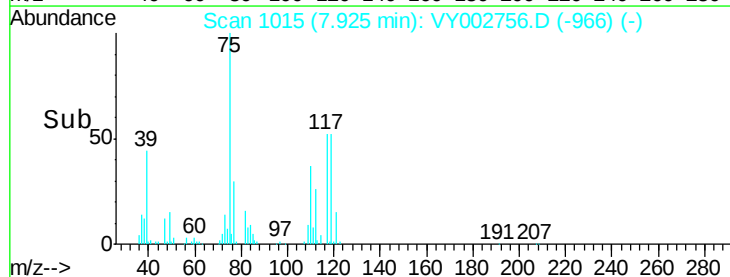
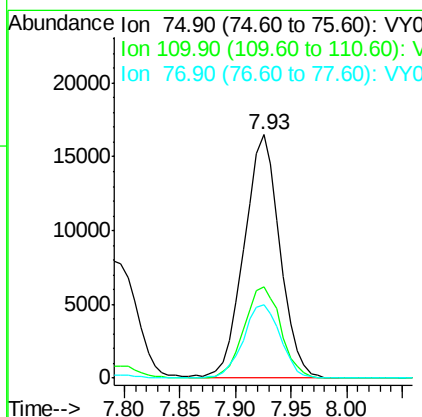
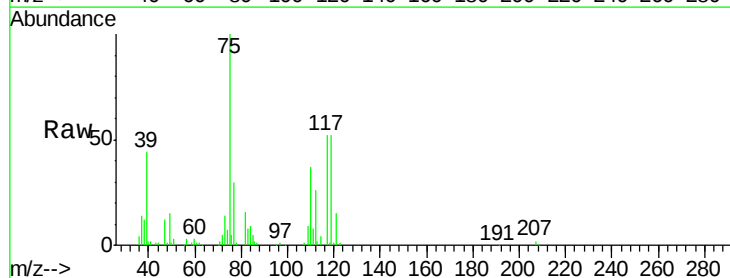
Manual Integrations
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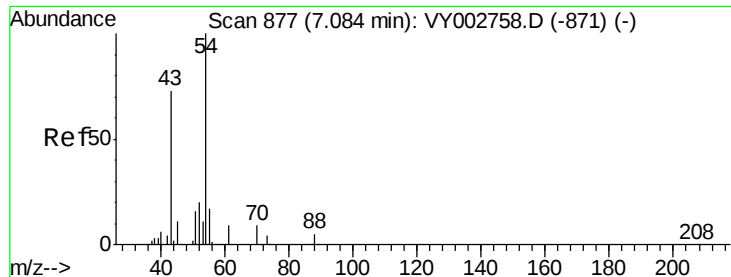
MMDadoda
 5/28/2020 2:08:34 PM



#36
 1,1-Dichloropropene
 Concen: 10.124 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37051		
110	38.0	19.3	57.9	
77	31.2	24.8	37.2	





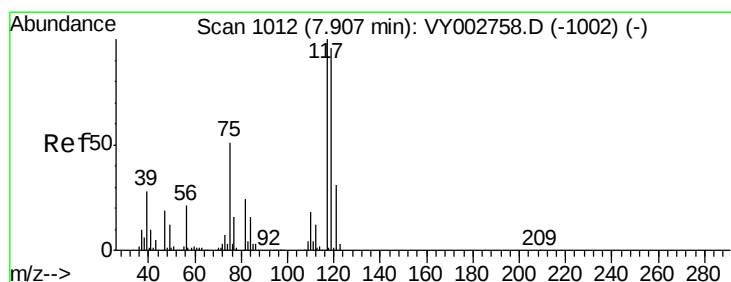
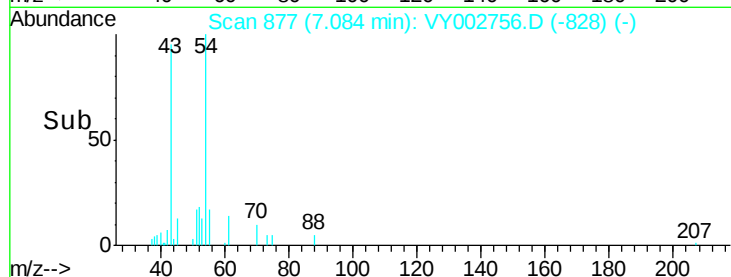
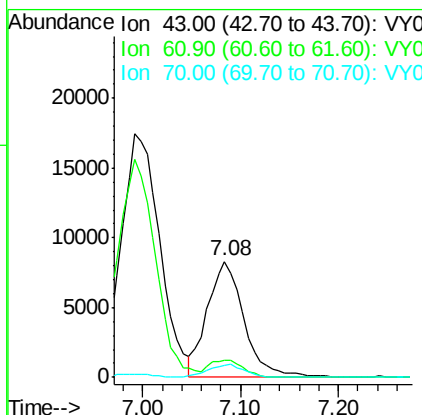
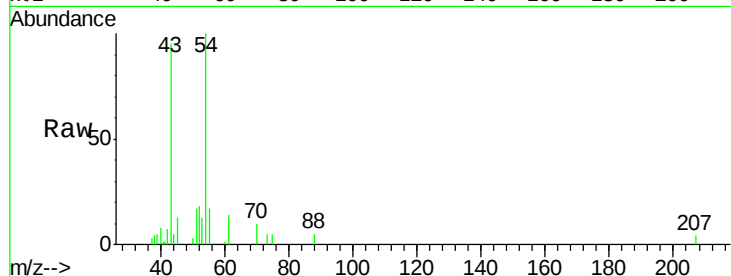
#37
Ethyl Acetate
Concen: 11.874 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.9	17.9
70	10.7	9.1	13.7

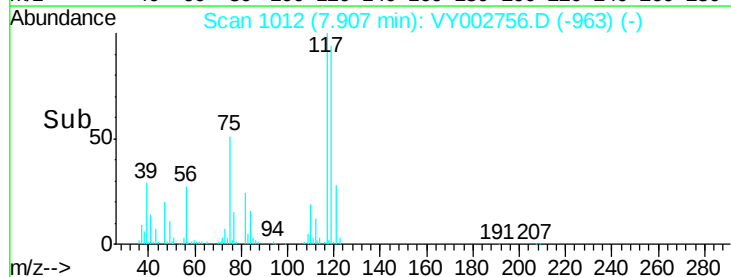
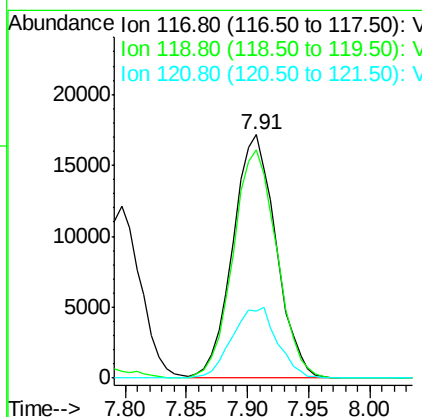
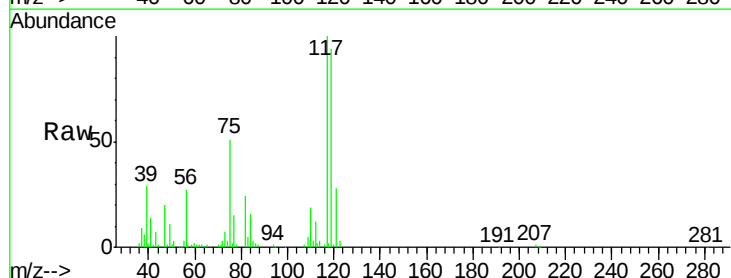
Manual Integrations
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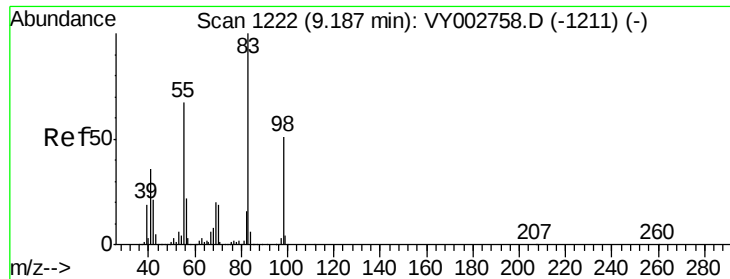
MMDadoda
5/28/2020 2:08:34 PM



#38
Carbon Tetrachloride
Concen: 10.688 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.8	115.2
121	27.7	24.8	37.2





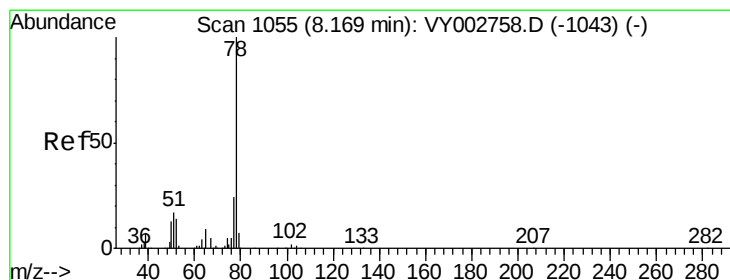
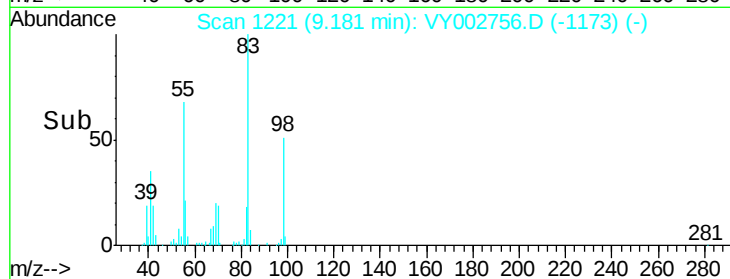
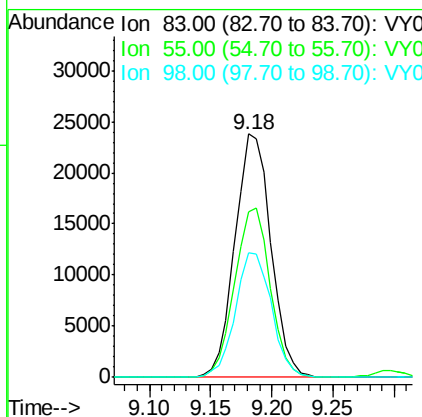
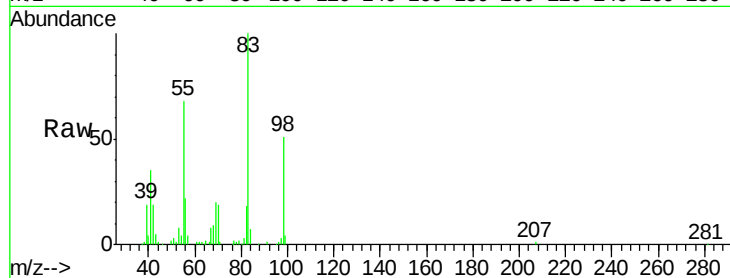
#39
Methvlcvclohexane
Concen: 9.921 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	48541
Ion Ratio	Lower	Upper	
83	100		
55	68.2	53.3	79.9
98	51.0	41.1	61.7

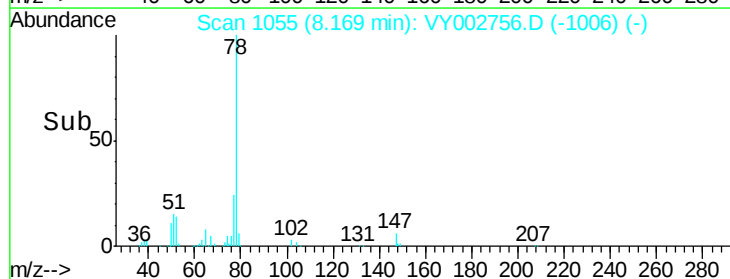
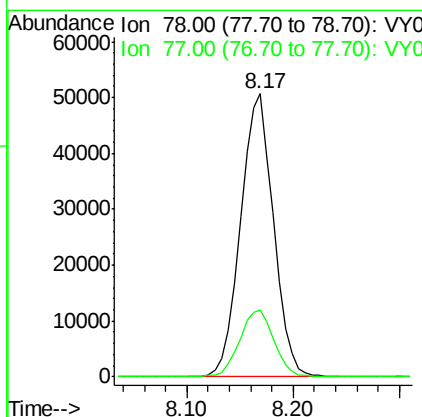
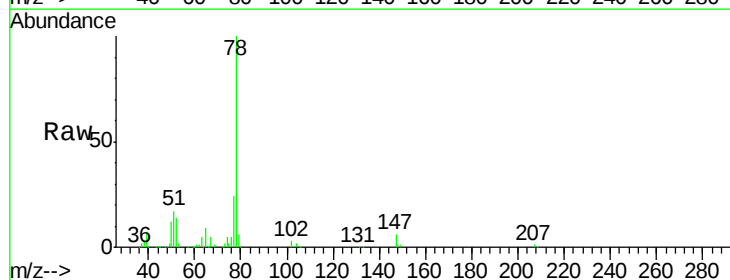
Manual Integrations
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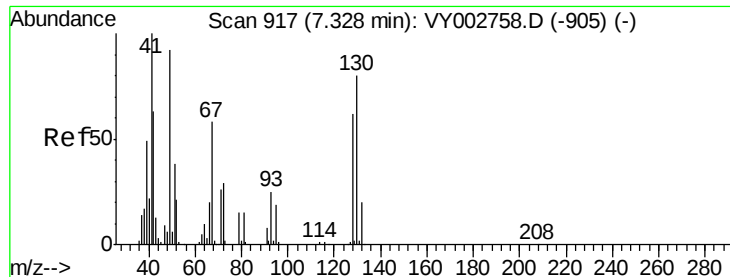
MMDadoda
5/28/2020 2:08:34 PM



#40
Benzene
Concen: 10.279 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	78	Resp	109762
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





#41

Methacrylonitrile

Concen: 9.250 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 9820

Ion Ratio Lower Upper

41 100

39 0.0 97.6 146.4#

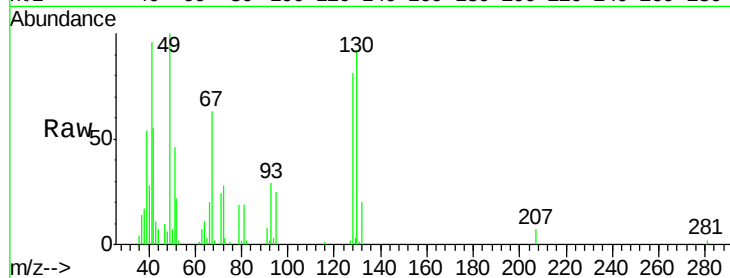
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

5/28/2020 2:08:34 PM

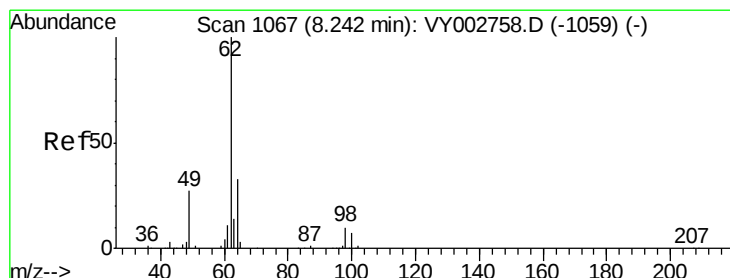
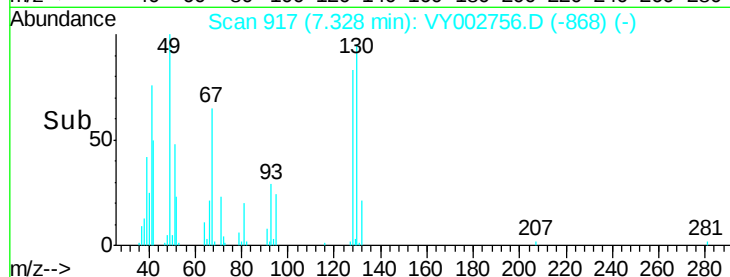
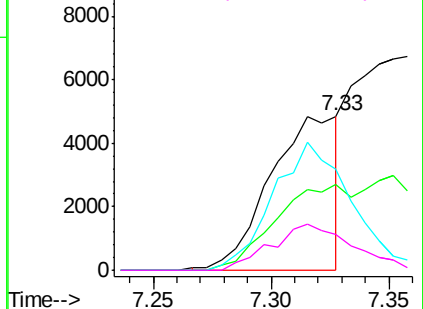


Abundance Ion 41.00 (40.70 to 41.70): VY002756.D (-868) (-)

Ion 39.00 (38.70 to 39.70): VY002756.D (-868) (-)

Ion 67.00 (66.70 to 67.70): VY002756.D (-868) (-)

Ion 52.00 (51.70 to 52.70): VY002756.D (-868) (-)



#42

1,2-Dichloroethane

Concen: 11.064 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002756.D

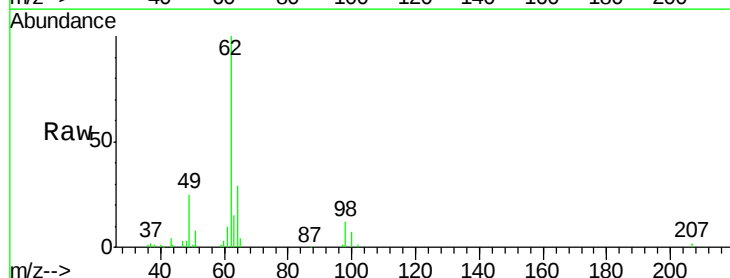
Acq: 27 May 2020 11:27

Tgt Ion: 62 Resp: 31386

Ion Ratio Lower Upper

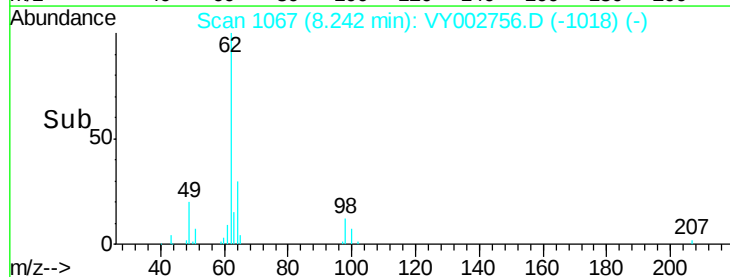
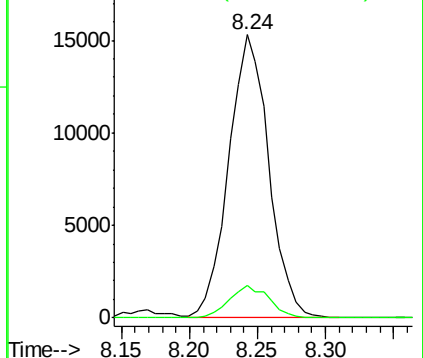
62 100

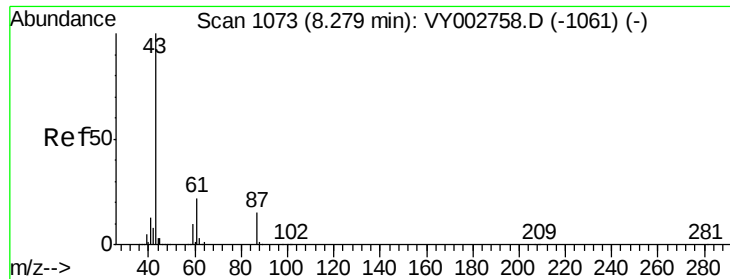
98 11.4 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY002756.D (-1018) (-)

Ion 97.90 (97.60 to 98.60): VY002756.D (-1018) (-)





#43

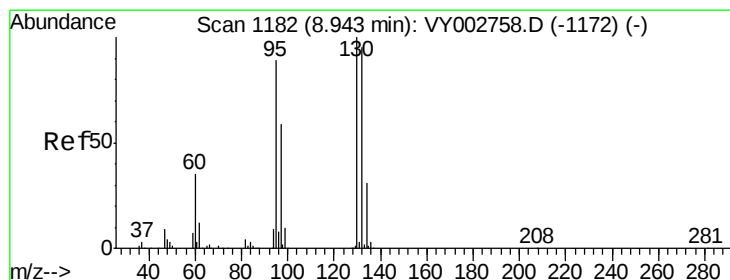
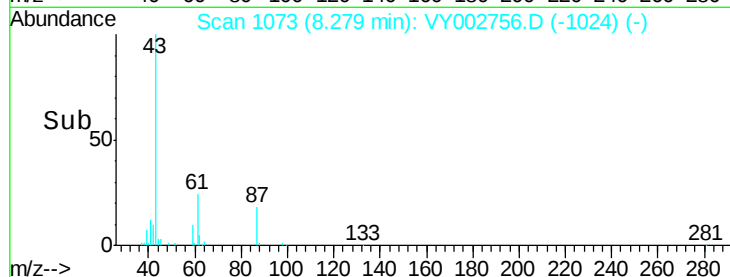
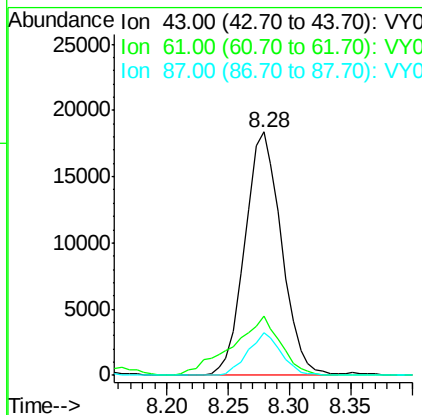
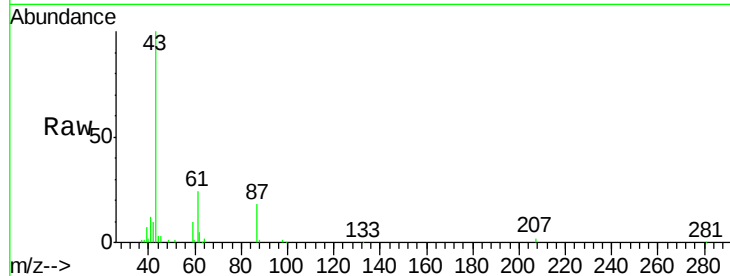
Isopropyl Acetate
 Concen: 11.292 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	24.8	37.2
87	15.9	12.4	18.6

Manual Integrations
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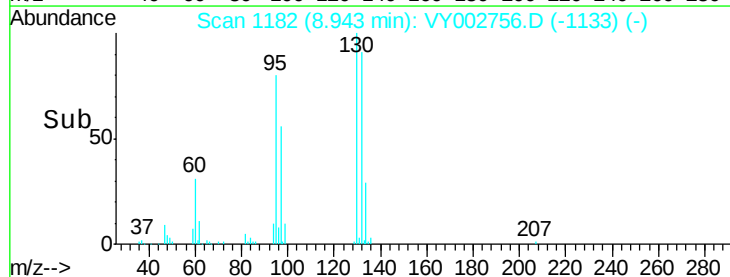
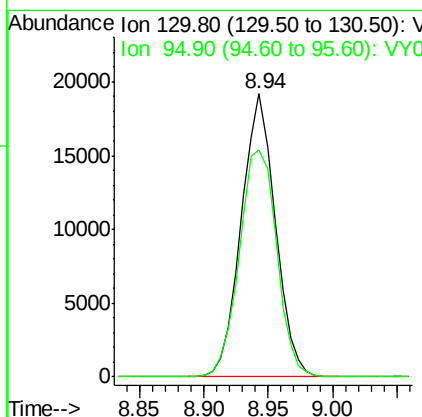
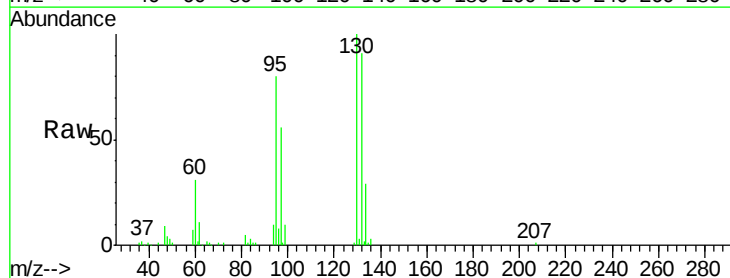
MMDadoda
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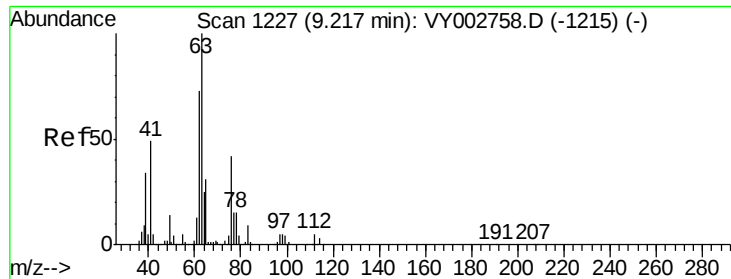


#44

Trichloroethene
 Concen: 10.346 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	80.4	0.0	178.8





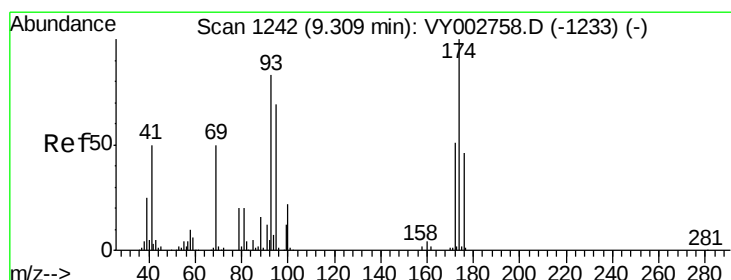
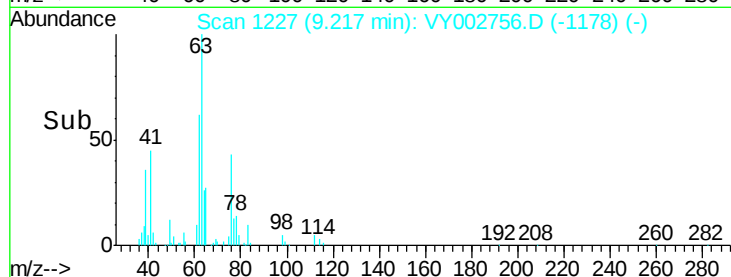
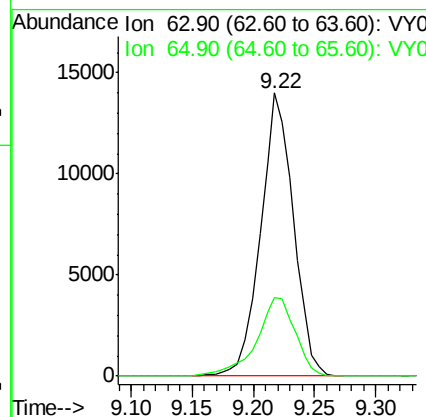
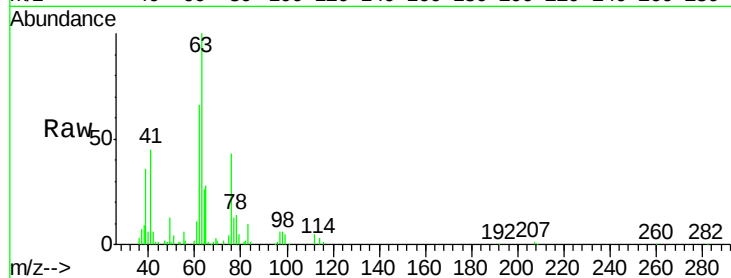
#45
 1,2-Dichloropropane
 Concen: 10.274 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.8	37.2

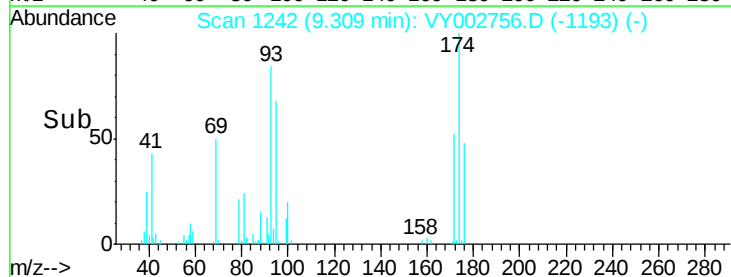
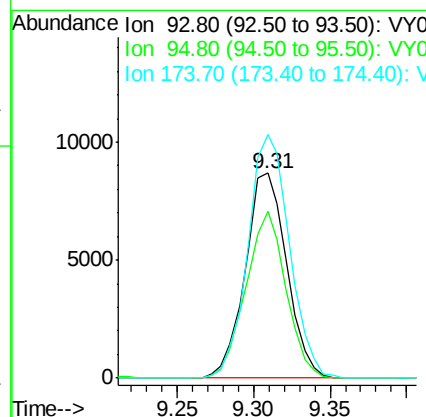
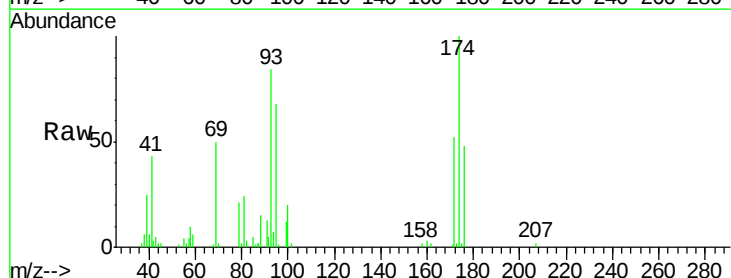
Manual Integrations
 APPROVED

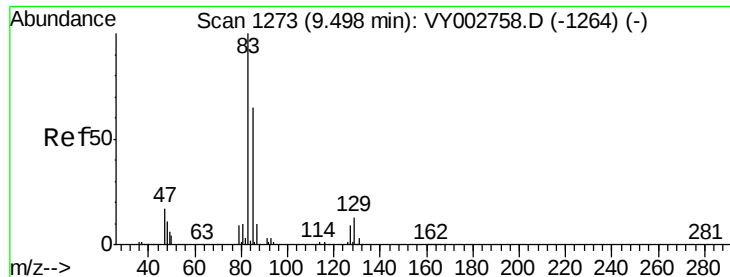
MMDadoda
 5/28/2020 2:08:34 PM



#46
 Dibromomethane
 Concen: 11.375 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.5	66.9	100.3
174	119.2	97.7	146.5





#47

Bromodichloromethane

Concen: 10.471 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

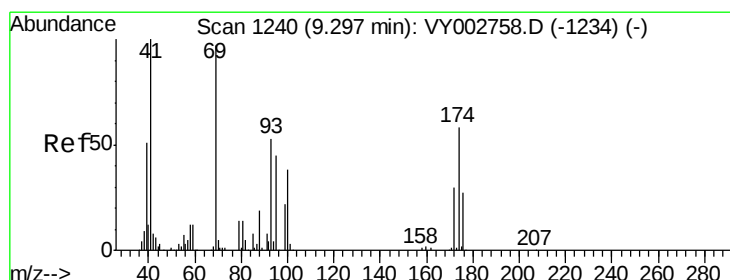
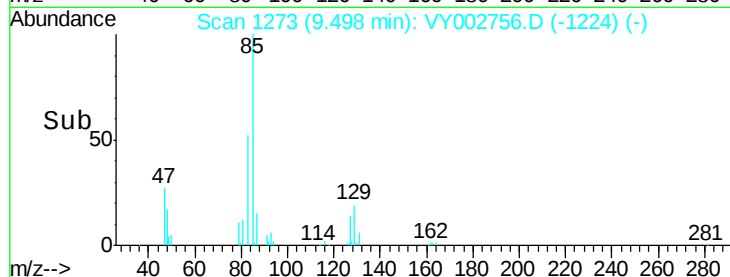
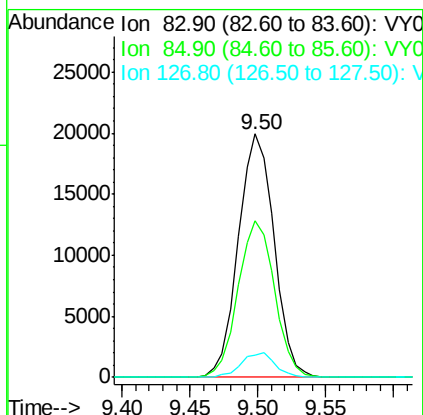
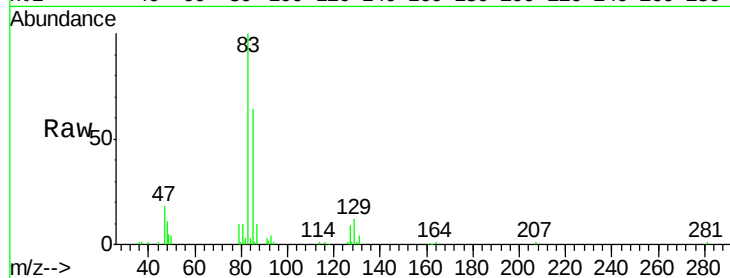
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	36570
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.801 ug/l

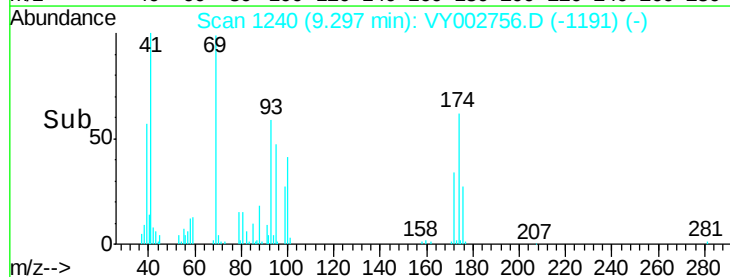
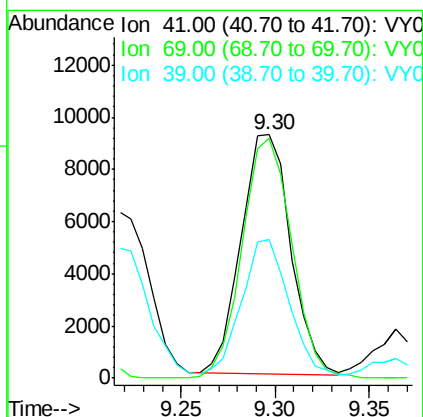
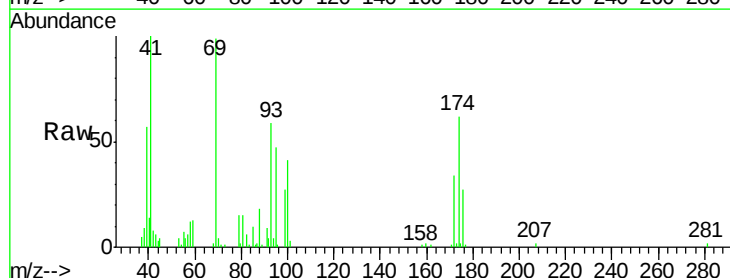
RT: 9.30 min Scan# 1240

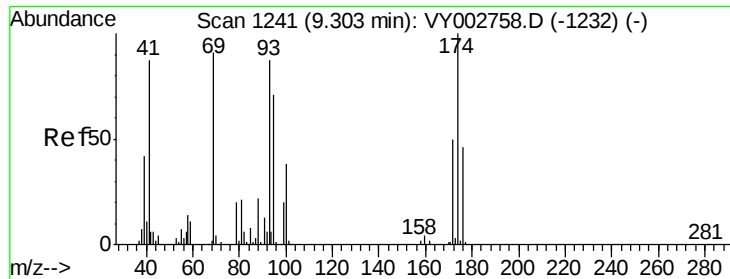
Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	41	Resp:	16828
Ion	Ratio	Lower	Upper
41	100		
69	100.1	79.7	119.5
39	56.5	43.3	64.9





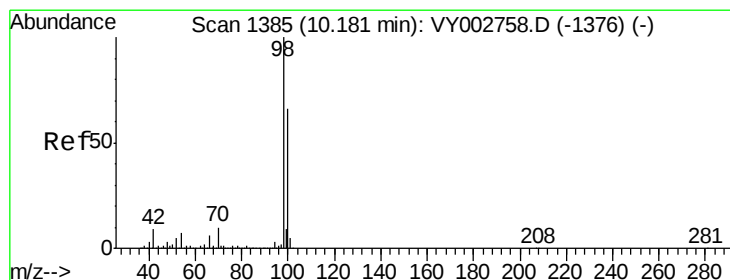
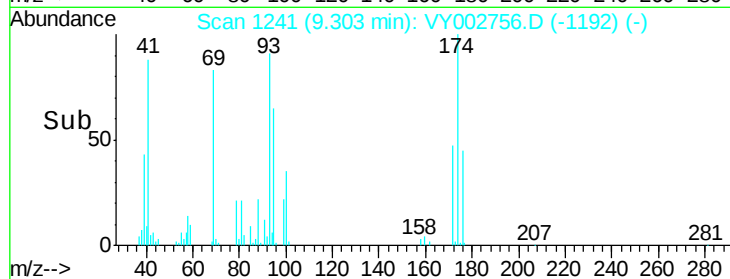
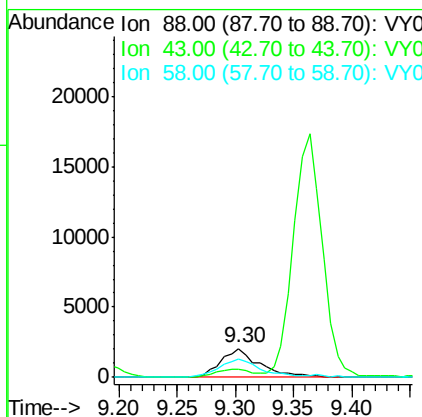
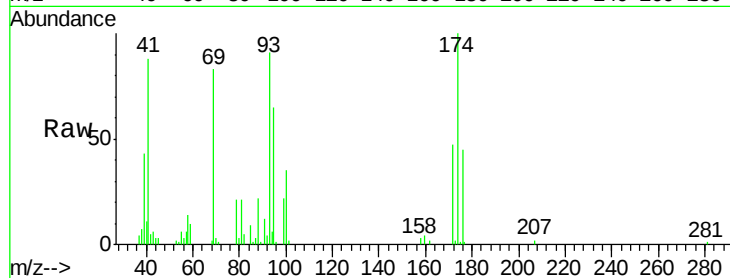
#49
1,4-Dioxane
Concen: 236.419 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	4739
Ion	Ratio	Lower	Upper
88	100		
43	26.4	21.3	31.9
58	67.5	52.2	78.2

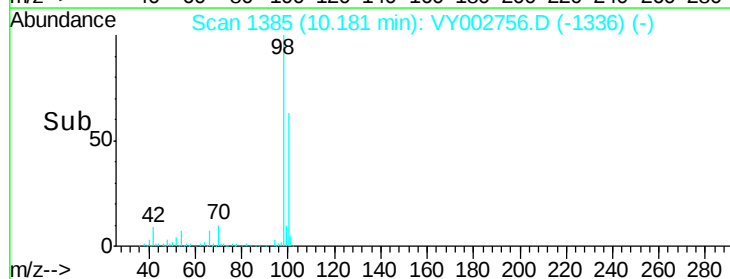
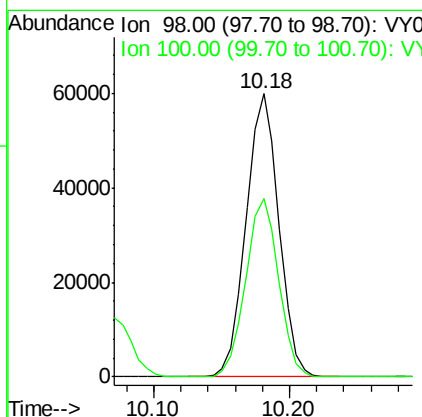
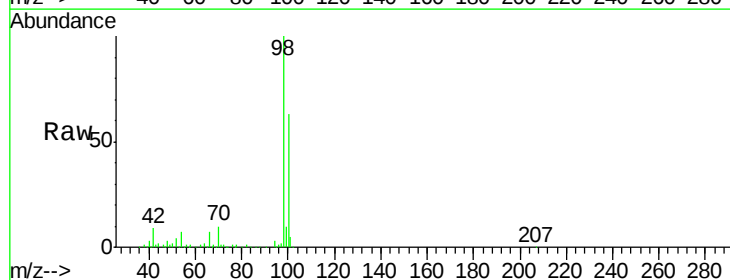
Manual Integrations
APPROVED

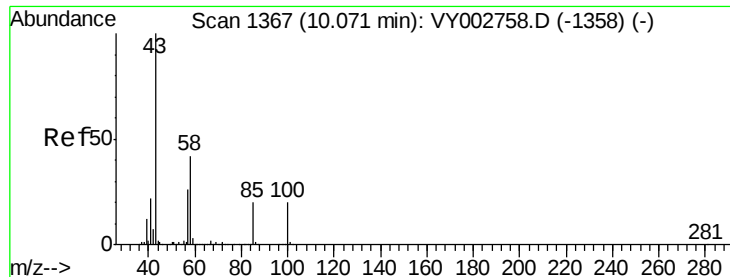
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#50
Toluene-d8
Concen: 10.397 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	98	Resp	100969
Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 58.840 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 103566

Ion Ratio Lower Upper

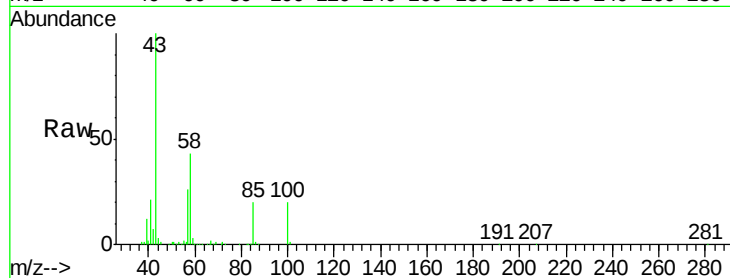
43 100

58 43.1 34.2 51.2

Manual Integrations
APPROVED

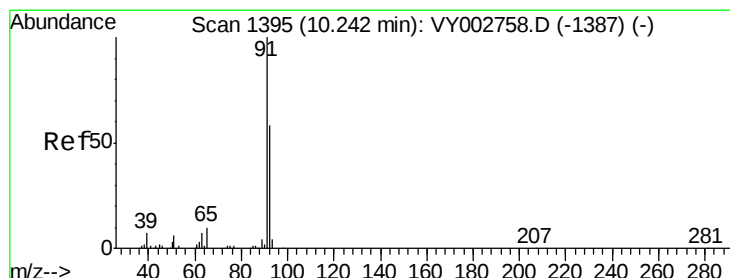
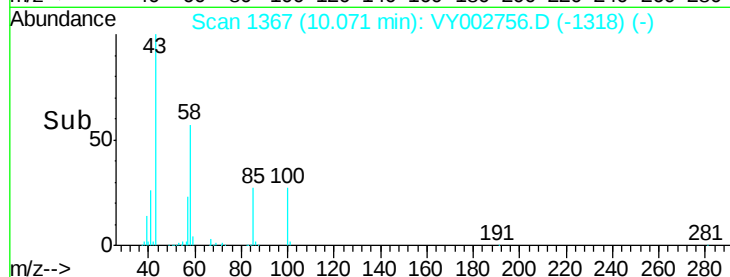
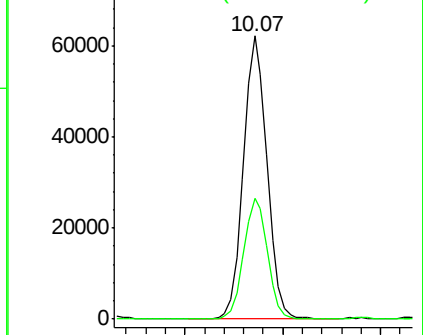
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 10.374 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002756.D

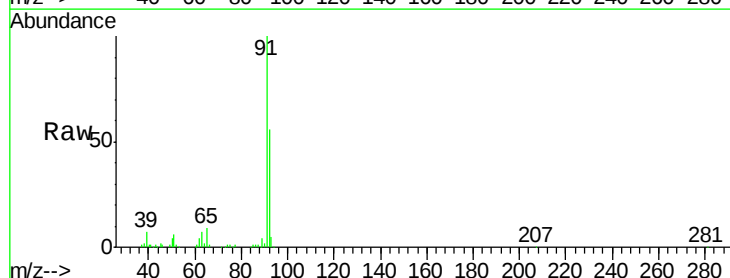
Acq: 27 May 2020 11:27

Tgt Ion: 92 Resp: 71910

Ion Ratio Lower Upper

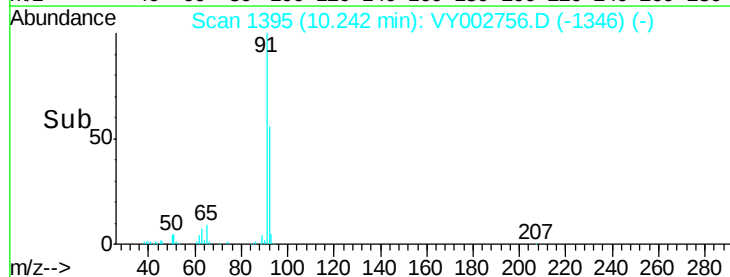
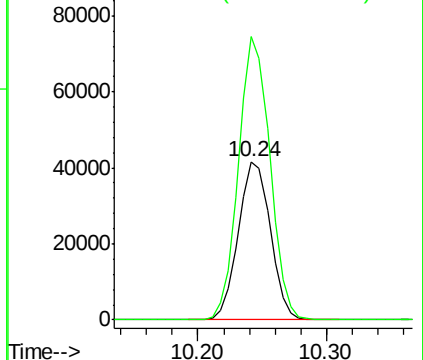
92 100

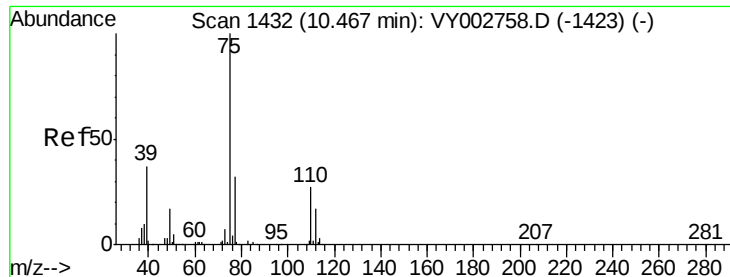
91 174.7 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 10.549 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 39505

Ion Ratio Lower Upper

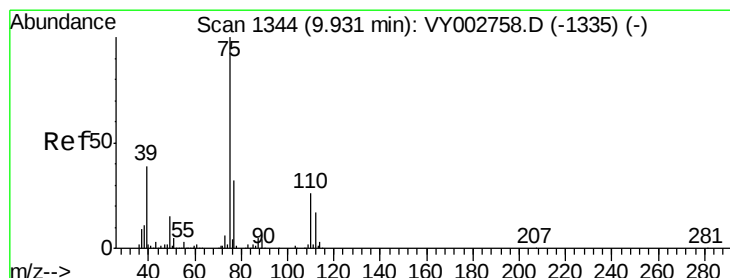
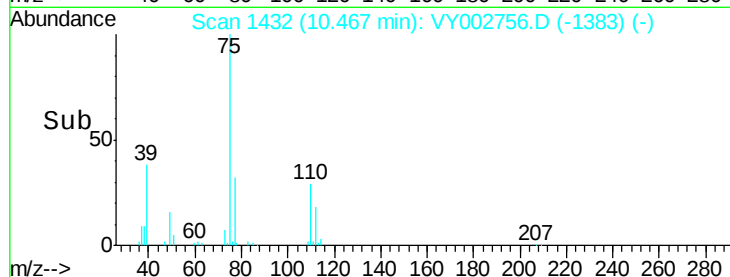
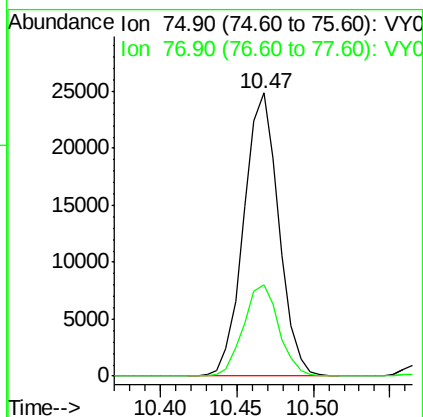
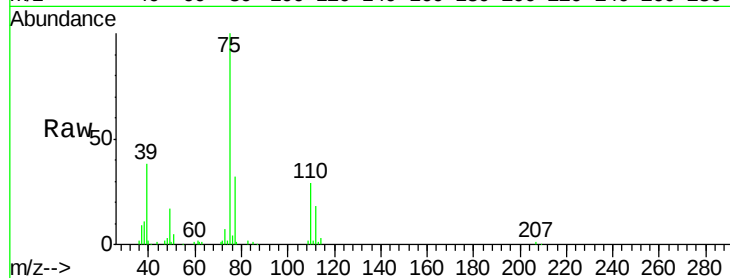
75 100

77 32.2 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 10.421 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

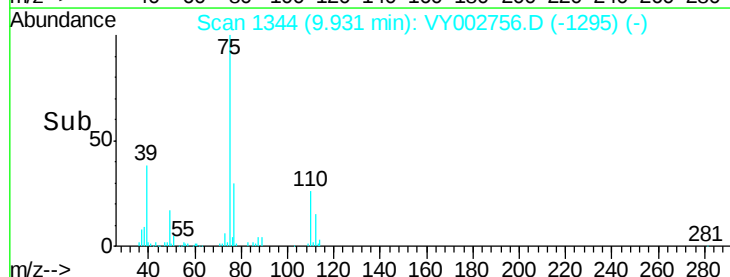
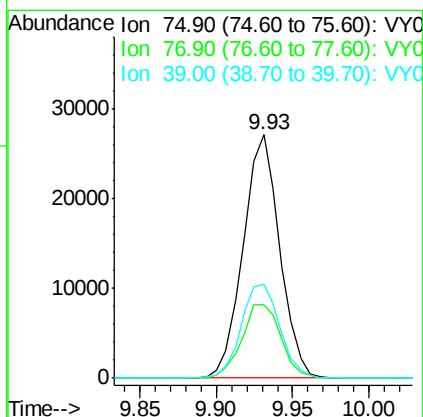
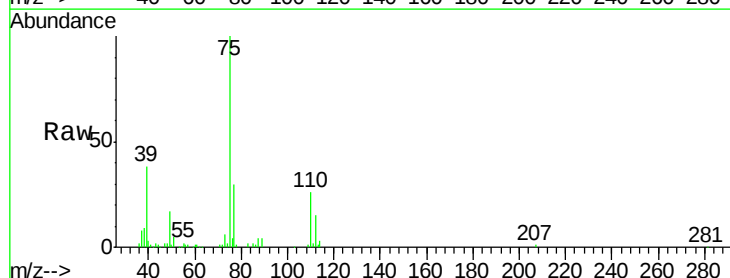
Tgt Ion: 75 Resp: 45030

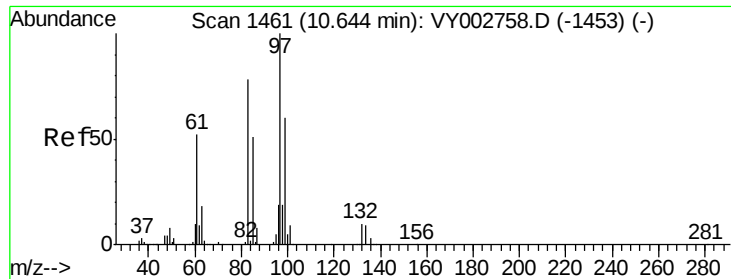
Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

39 38.3 31.3 46.9





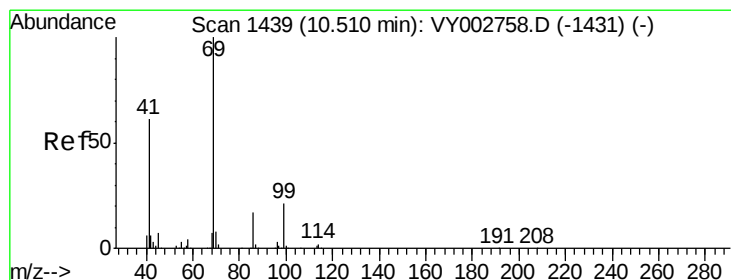
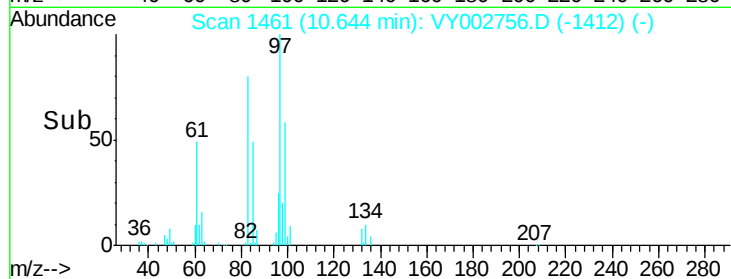
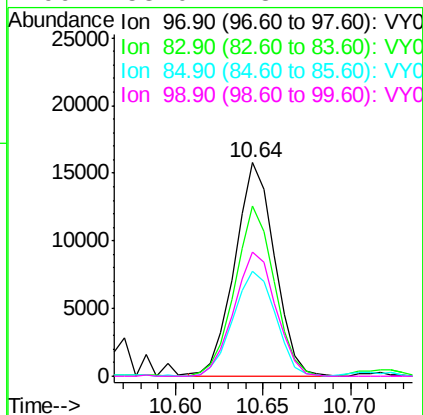
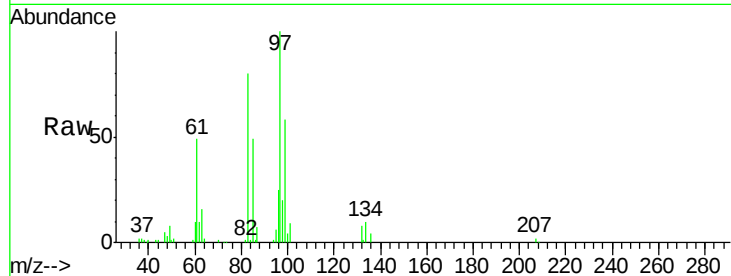
#55
 1,1,2-Trichloroethane
 Concen: 11.658 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	25136
Ion	Ratio	Lower	Upper
97	100		
83	79.5	62.7	94.1
85	49.2	40.6	60.8
99	58.0	48.2	72.4

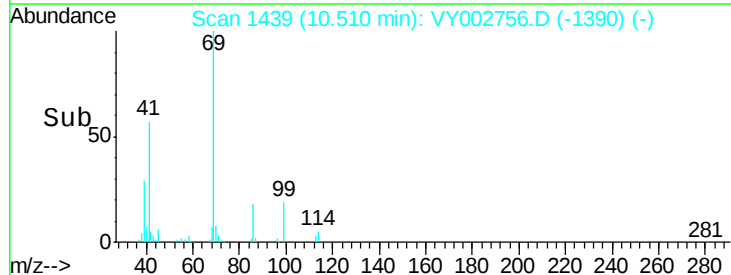
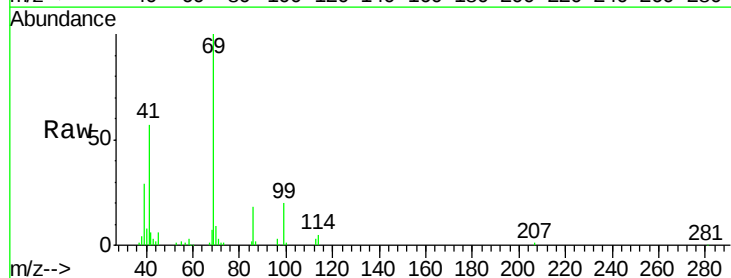
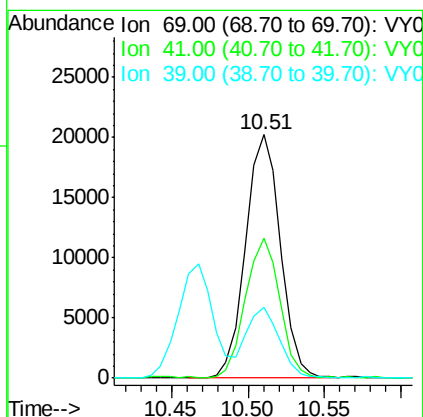
Manual Integrations
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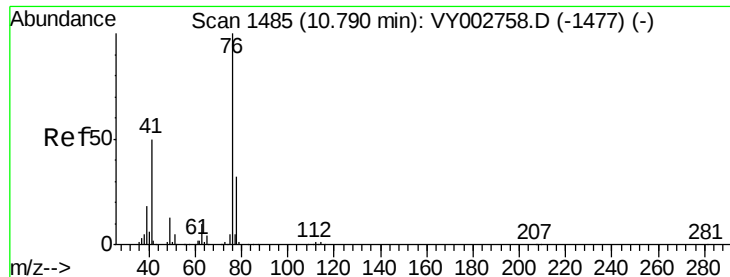
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#56
 Ethyl methacrylate
 Concen: 11.201 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion:	69	Resp:	32043
Ion	Ratio	Lower	Upper
69	100		
41	56.9	47.0	70.4
39	27.1	22.0	33.0





#57

1,3-Dichloropropane

Concen: 11.188 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 40136

Ion Ratio Lower Upper

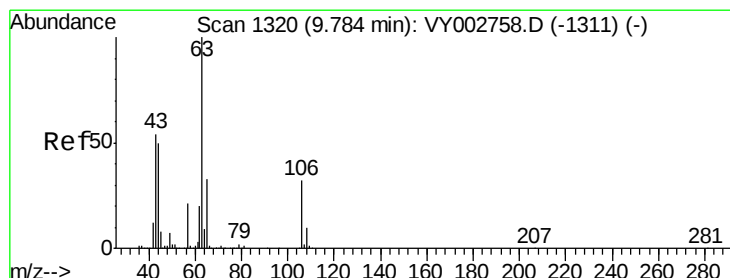
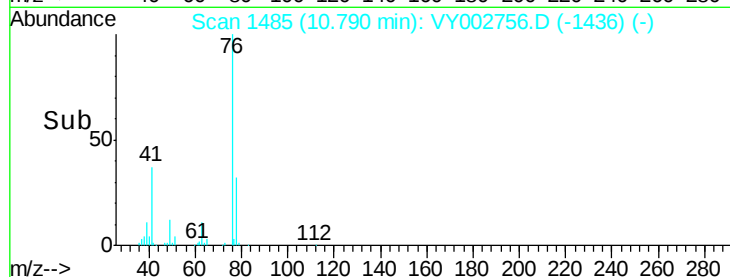
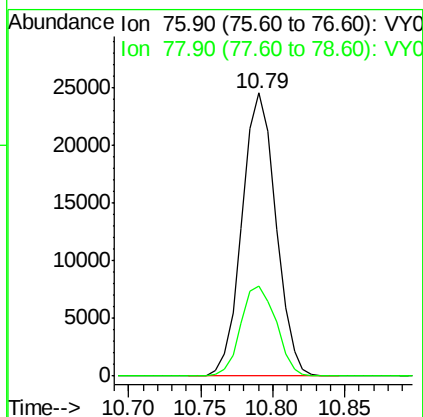
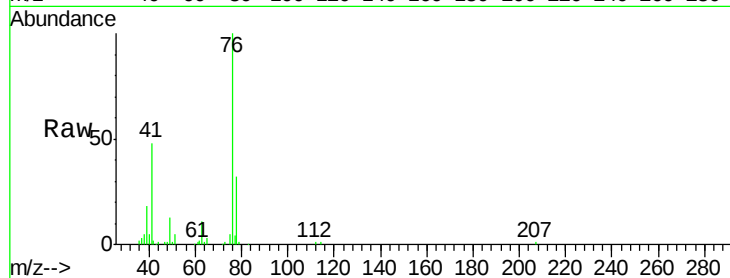
76 100

78 32.8 26.1 39.1

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 57.541 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002756.D

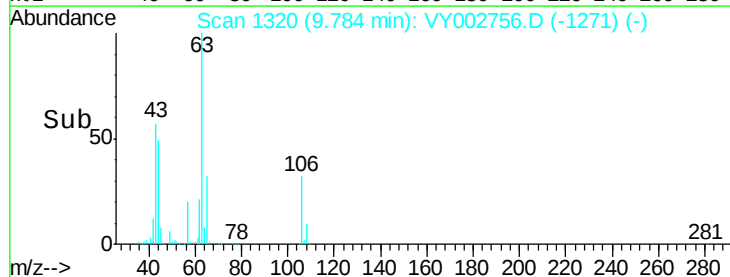
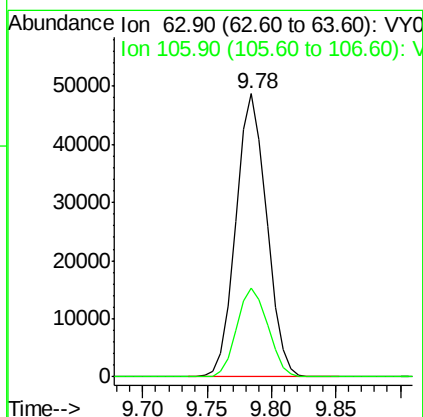
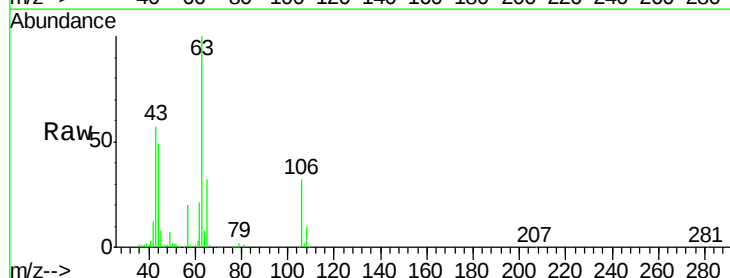
Acq: 27 May 2020 11:27

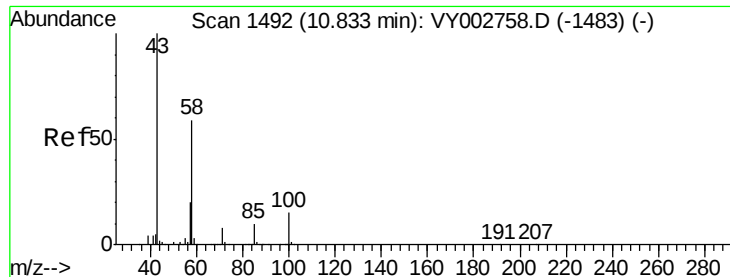
Tgt Ion: 63 Resp: 80833

Ion Ratio Lower Upper

63 100

106 31.7 25.4 38.2





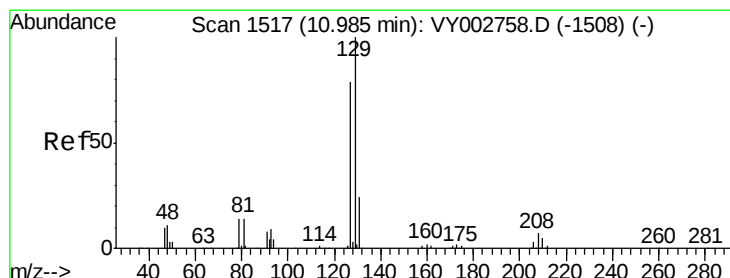
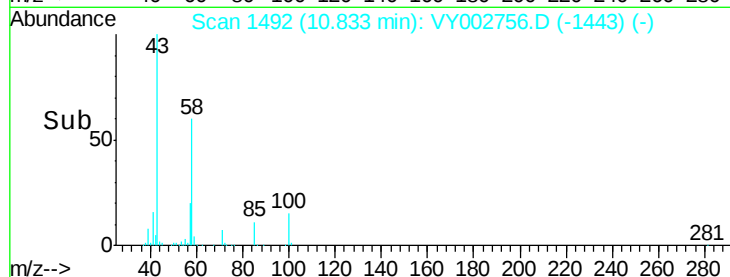
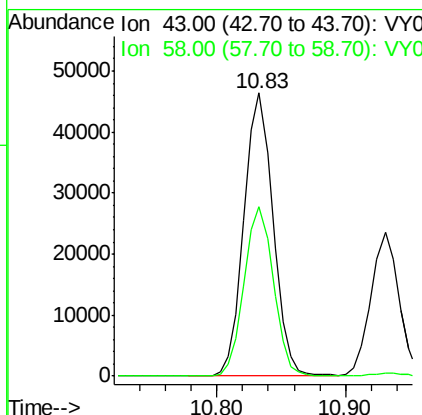
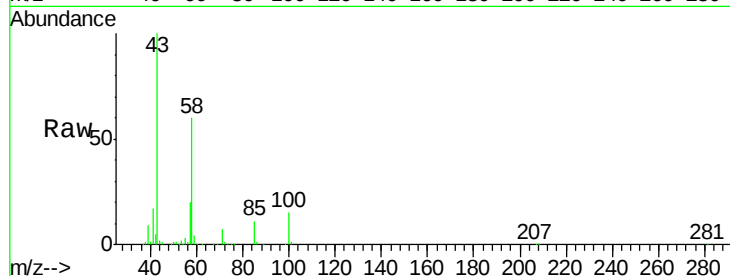
#59
2-Hexanone
Concen: 58.825 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 72531
Ion Ratio Lower Upper
43 100
58 60.1 29.5 88.5

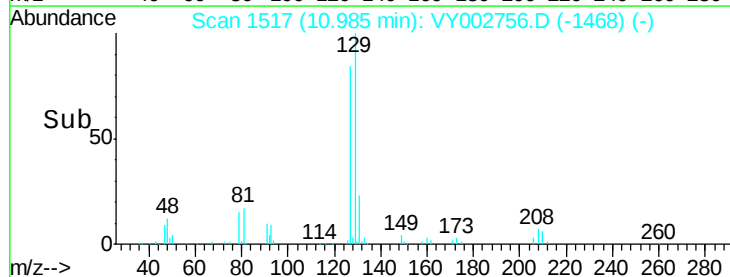
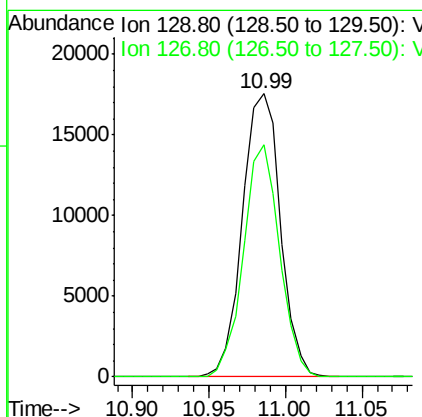
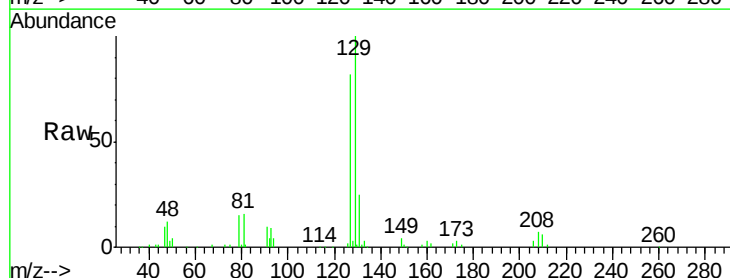
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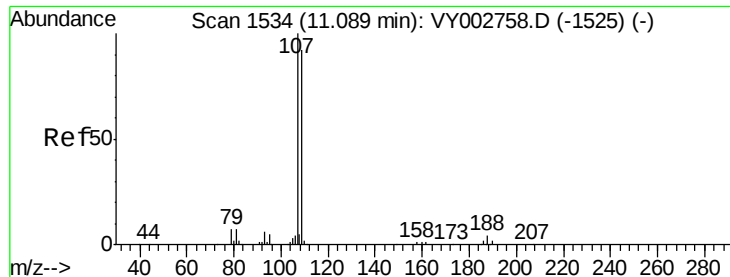
MMDadoda
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#60
Dibromochloromethane
Concen: 11.073 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 129 Resp: 30347
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





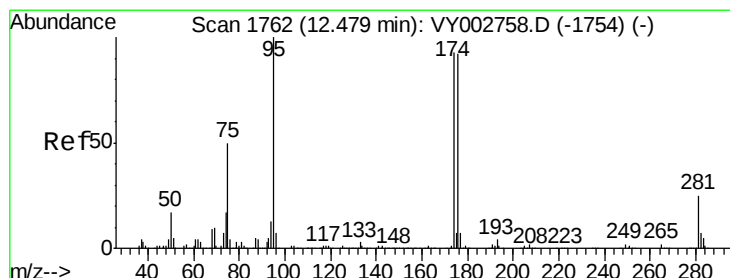
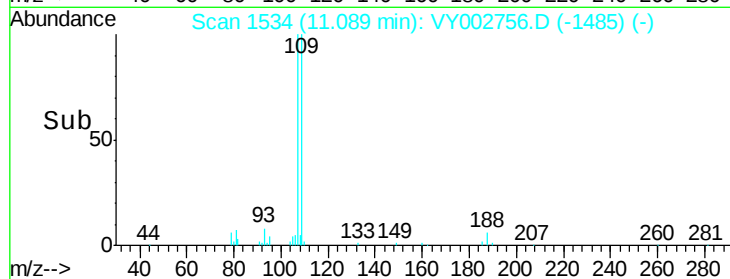
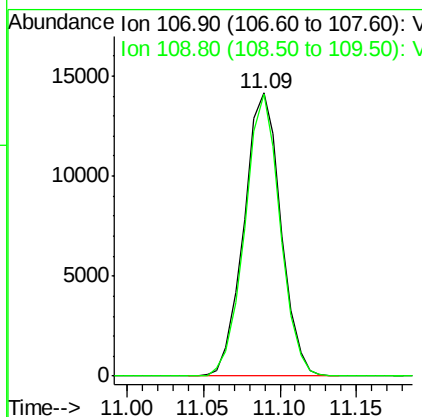
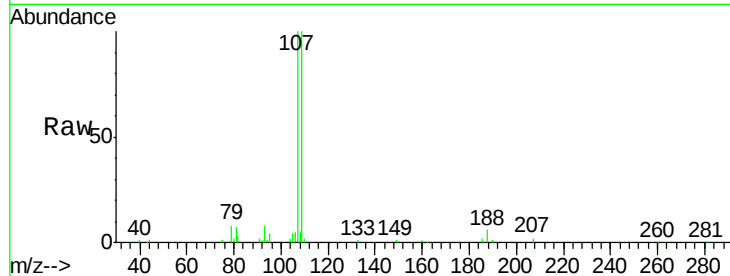
#61
 1,2-Dibromoethane
 Concen: 11.184 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 23714
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4

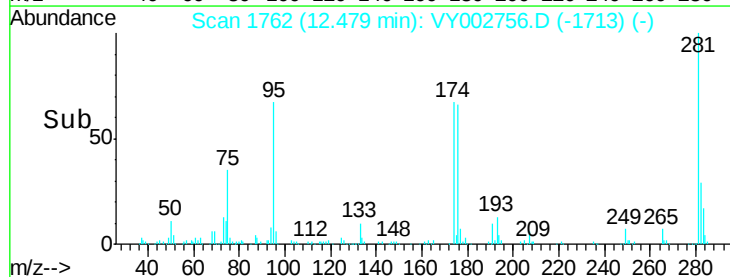
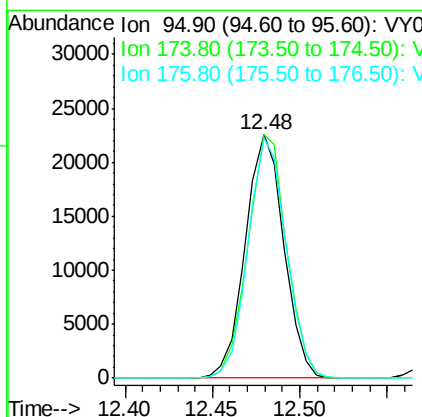
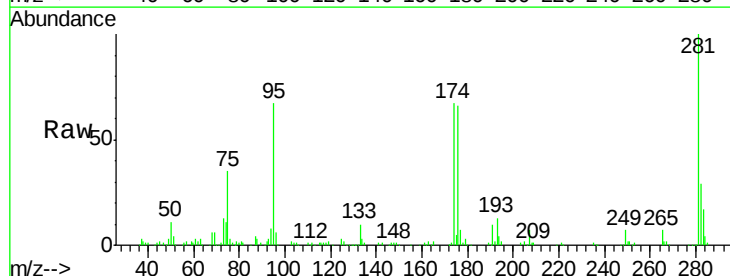
Manual Integrations
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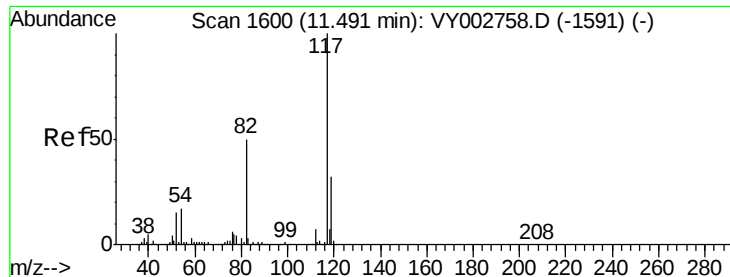
MMDadoda
 5/28/2020 2:08:34 PM



#62
 4-Bromofluorobenzene
 Concen: 10.297 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion: 95 Resp: 34496
 Ion Ratio Lower Upper
 95 100
 174 100.1 0.0 191.2
 176 97.4 0.0 188.8





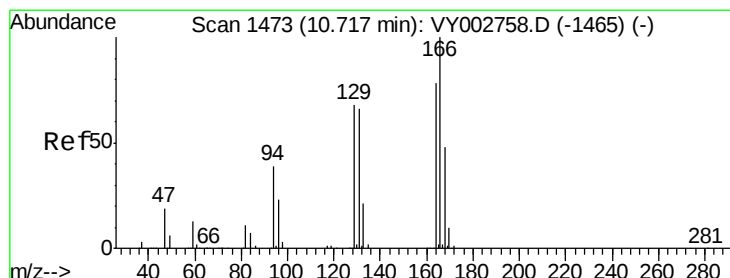
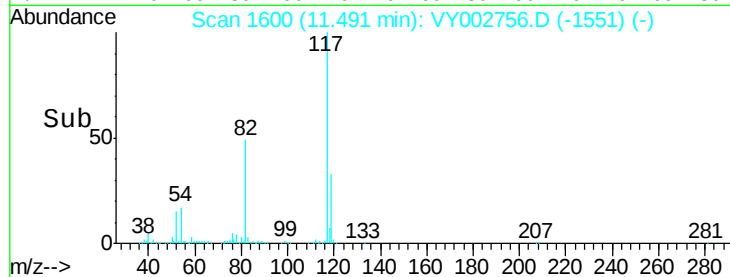
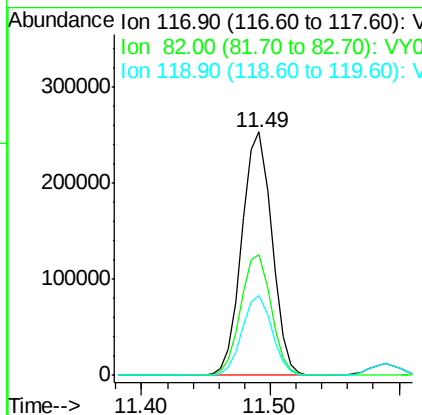
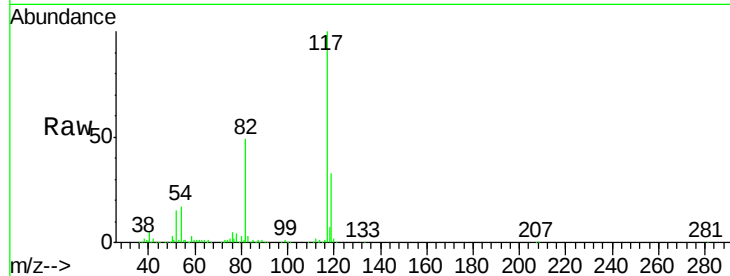
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408545		
82	49.4		40.2	60.4
119	32.6		25.8	38.8

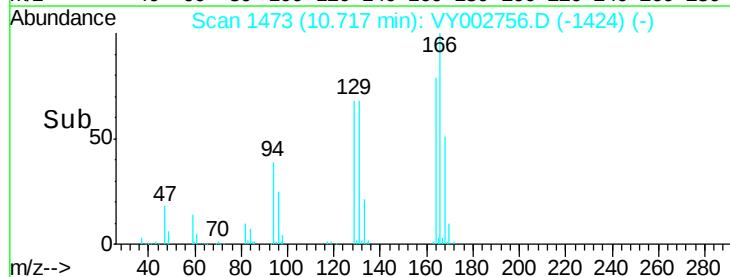
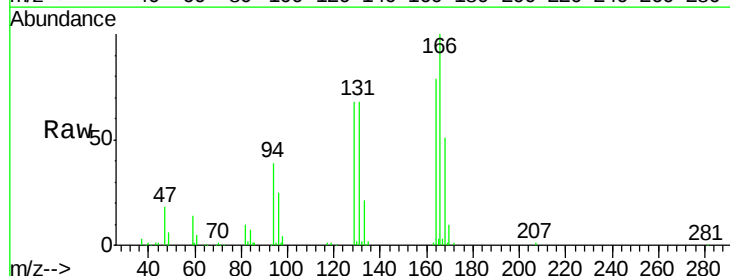
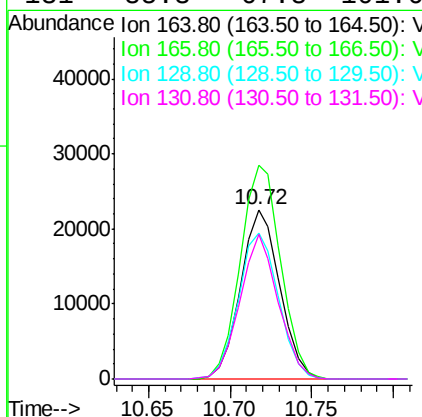
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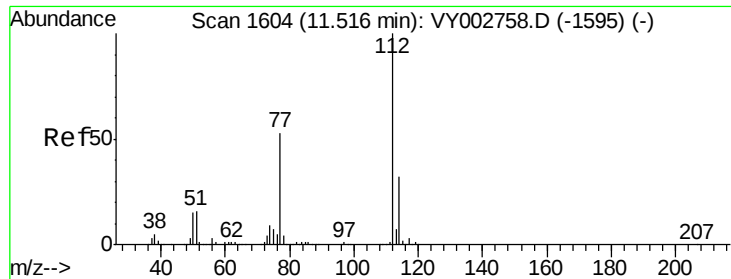
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#64
Tetrachloroethene
Concen: 9.829 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37670		
166	126.0		102.3	153.5
129	85.9		69.4	104.2
131	85.3		67.8	101.6





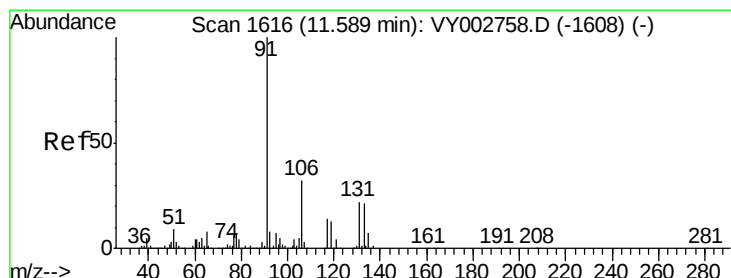
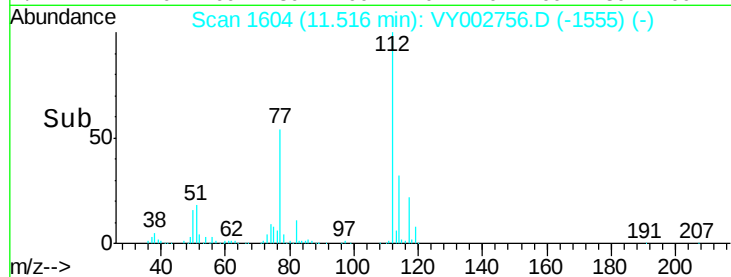
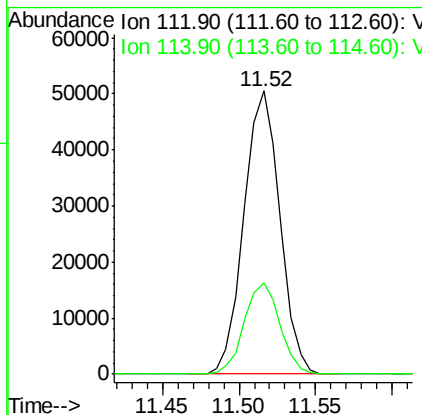
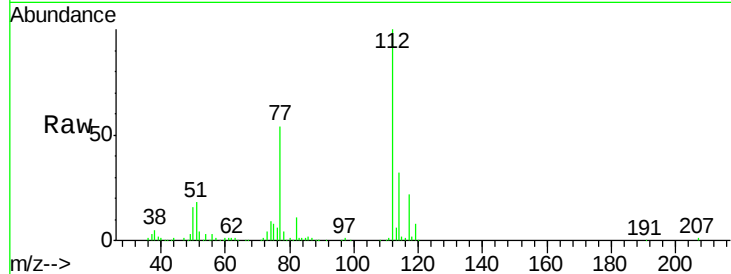
#65
Chlorobenzene
Concen: 10.455 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

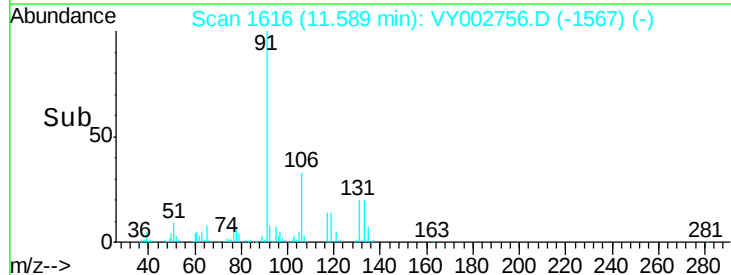
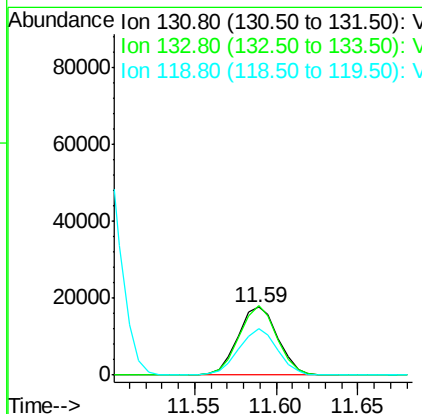
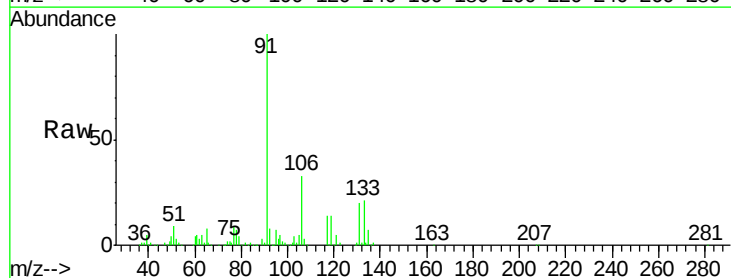
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.321 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.6	142.8
119	64.9	31.7	95.1





#67

Ethyl Benzene

Concen: 10.194 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 140886

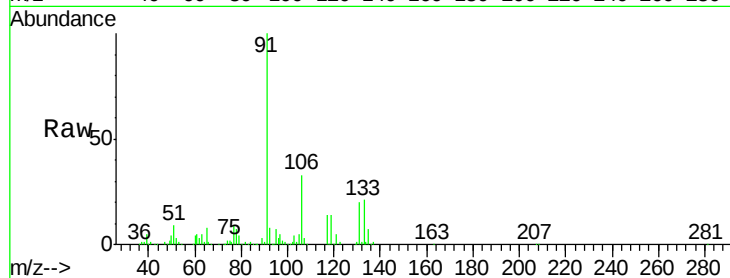
Ion Ratio Lower Upper

91 100

106 33.3 25.7 38.5

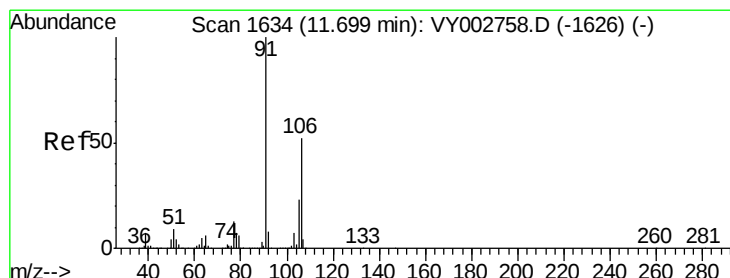
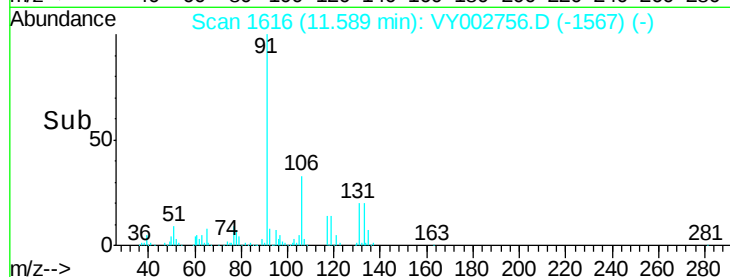
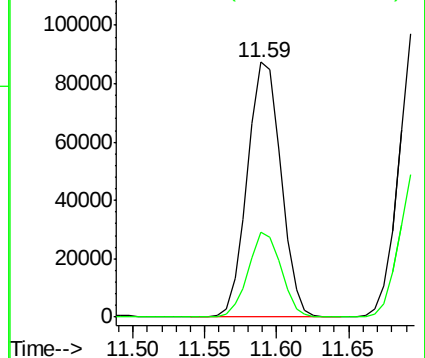
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY002758.D (-1608) (-)



#68

m/p-Xylenes

Concen: 20.253 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002756.D

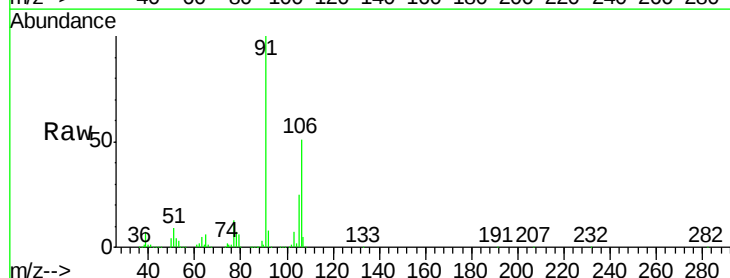
Acq: 27 May 2020 11:27

Tgt Ion: 106 Resp: 108921

Ion Ratio Lower Upper

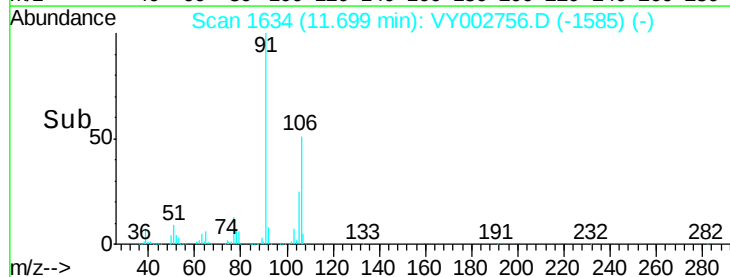
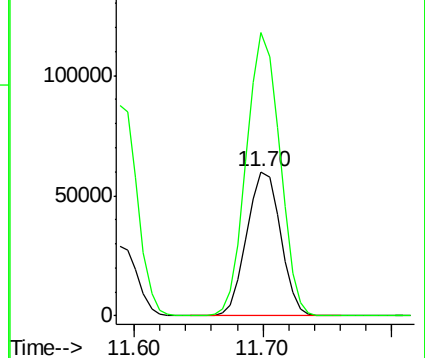
106 100

91 194.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): VY002758.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY002758.D (-1626) (-)





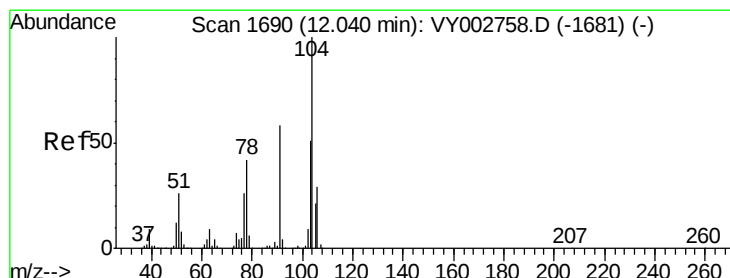
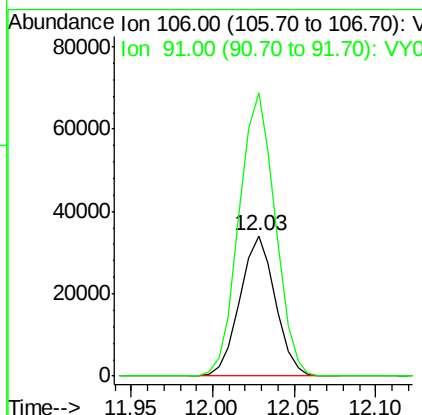
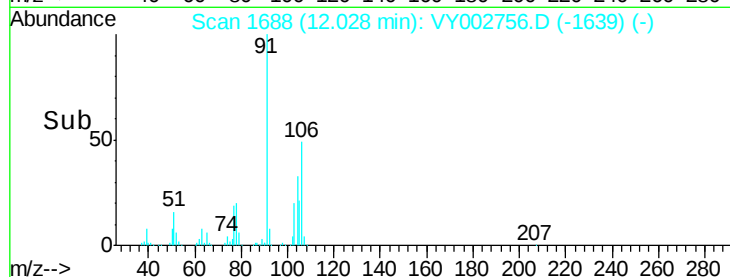
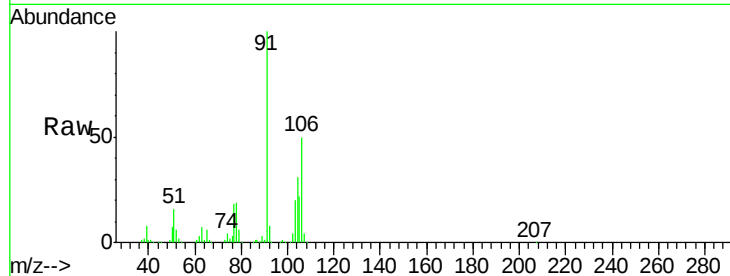
#69
o-Xylene
Concen: 10.190 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 51518
Ion Ratio Lower Upper
106 100
91 206.5 102.4 307.1

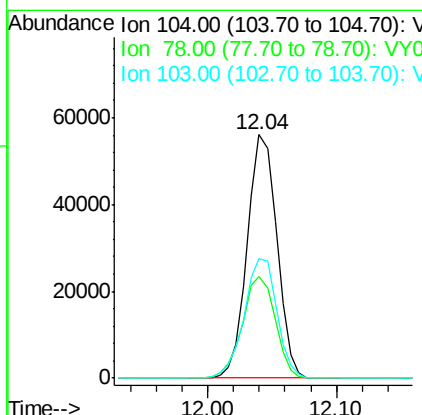
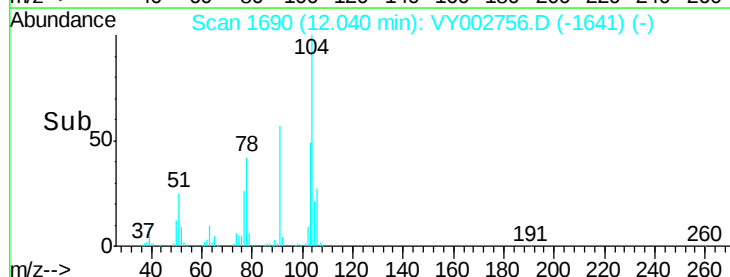
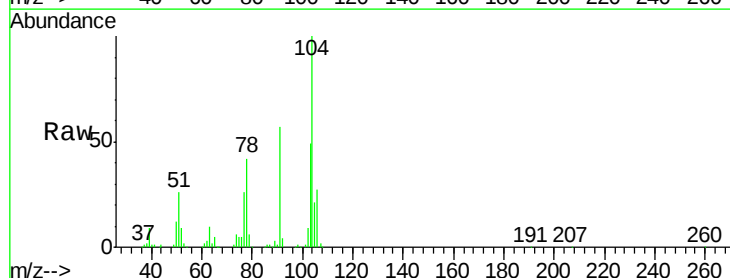
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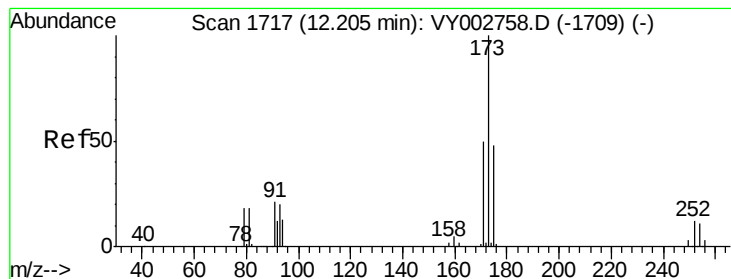
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#70
Styrene
Concen: 10.232 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion:104 Resp: 88941
Ion Ratio Lower Upper
104 100
78 46.1 36.2 54.4
103 54.3 43.6 65.4





#71

Bromoform

Concen: 11.125 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 20396

Ion Ratio Lower Upper

173 100

175 50.8 24.3 72.8

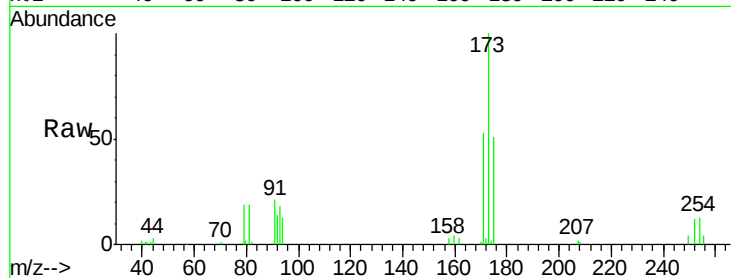
254 0.0 0.1 0.1#

Manual Integrations

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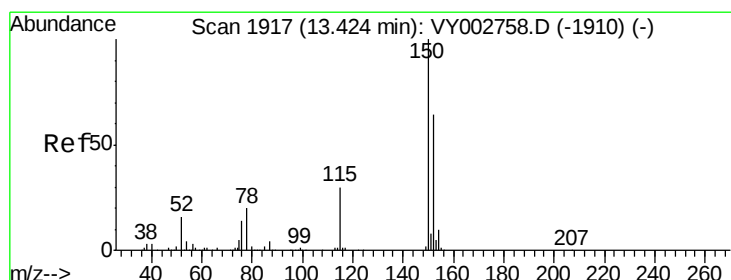
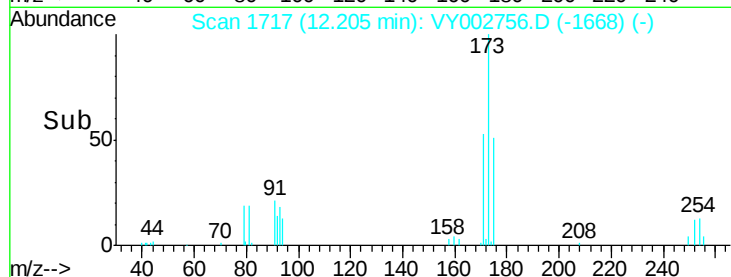
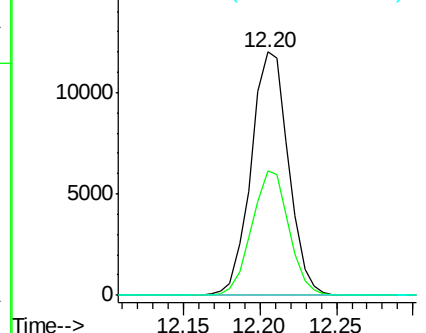
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY002756.D

Acq: 27 May 2020 11:27

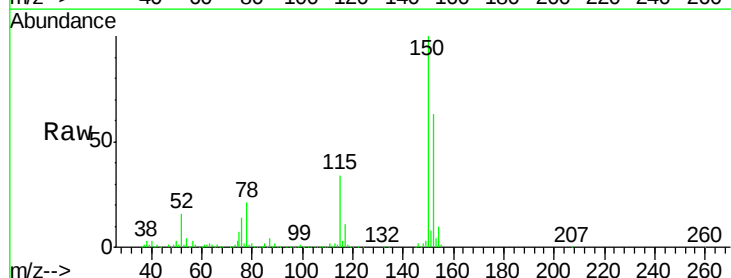
Tgt Ion:152 Resp: 222892

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

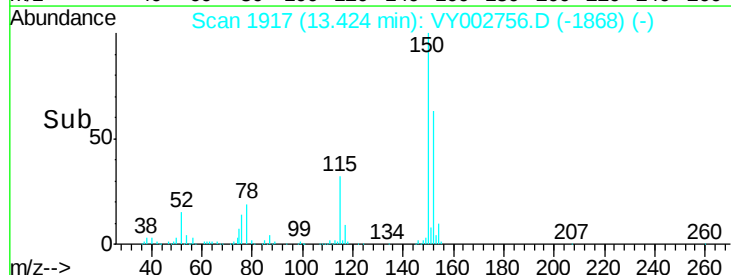
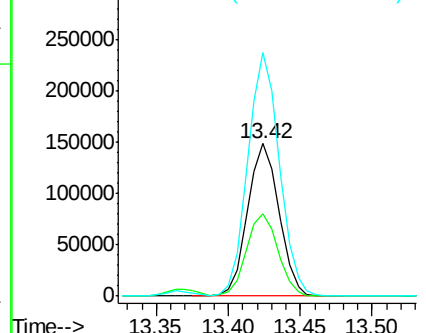
150 161.2 0.0 344.8

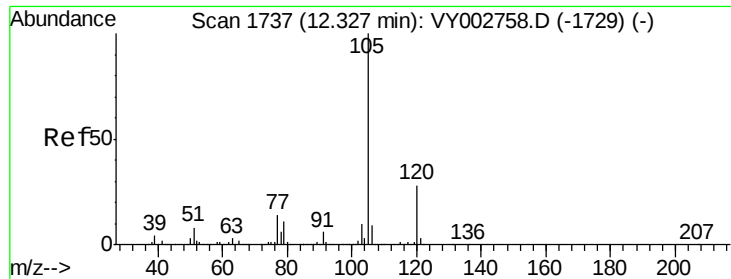


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





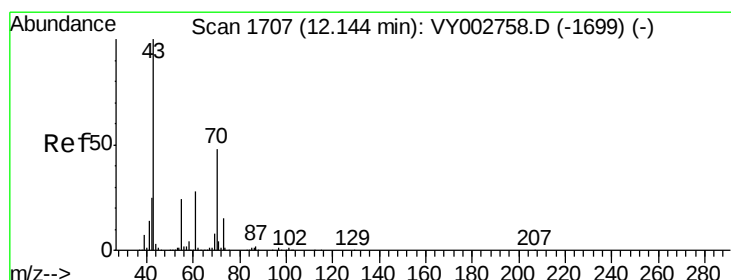
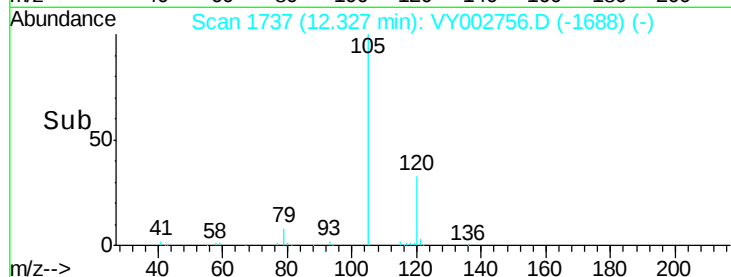
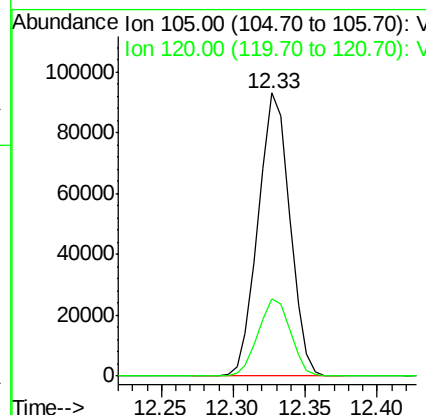
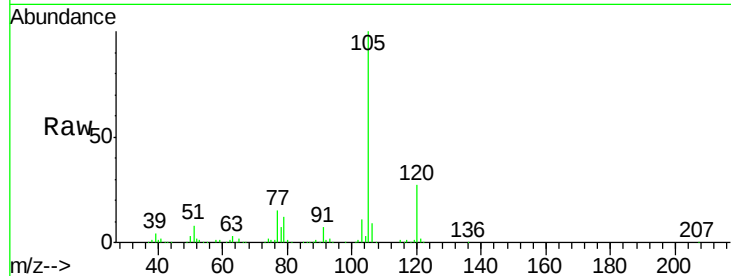
#73
Isopropylbenzene
Concen: 9.788 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.7	41.1

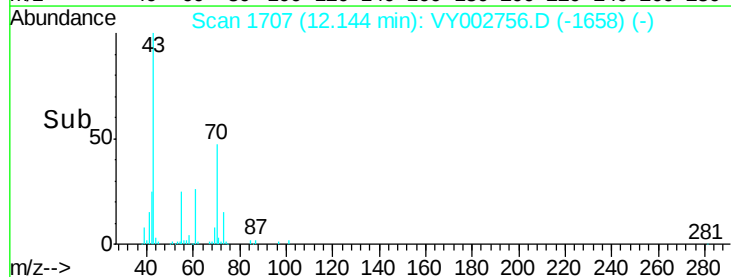
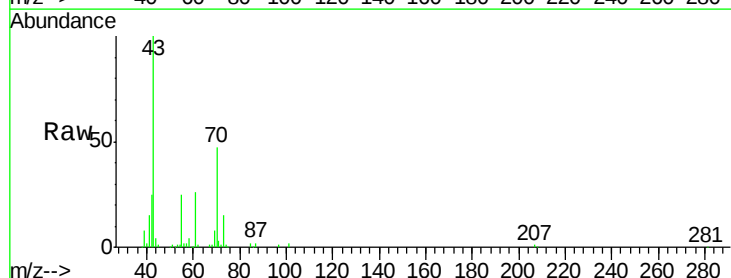
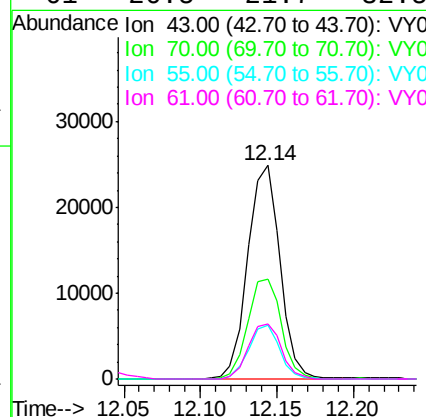
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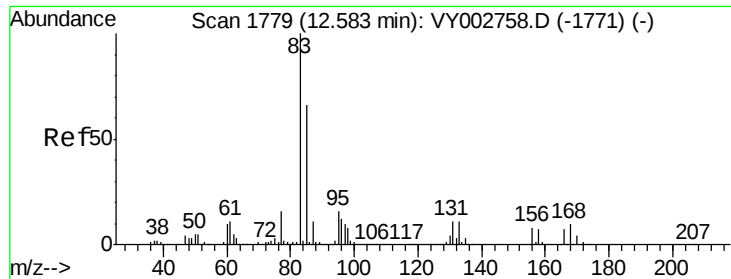
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#74
N-ethyl acetate
Concen: 10.608 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.4	37.7	56.5
55	24.4	19.8	29.6
61	26.5	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 11.473 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

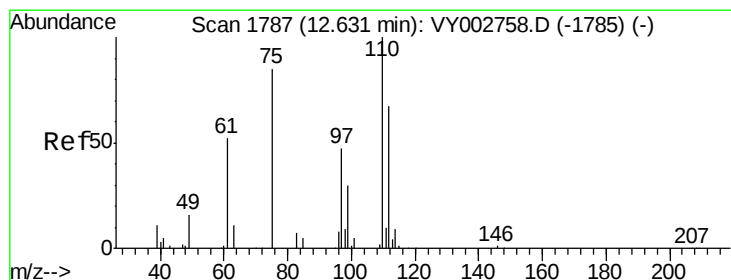
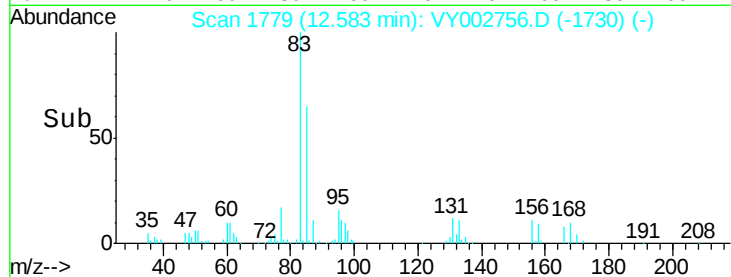
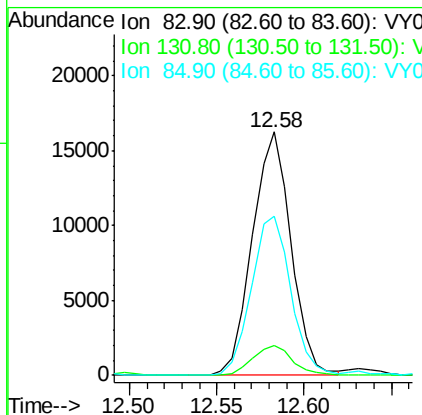
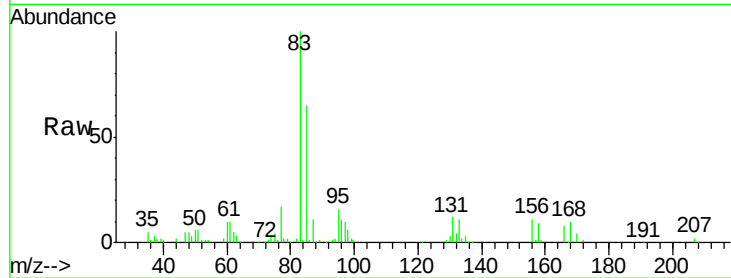
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	25199
Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.8	17.4
85	66.4	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.107 ug/l m

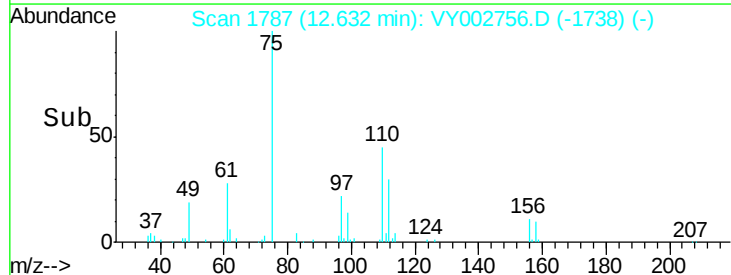
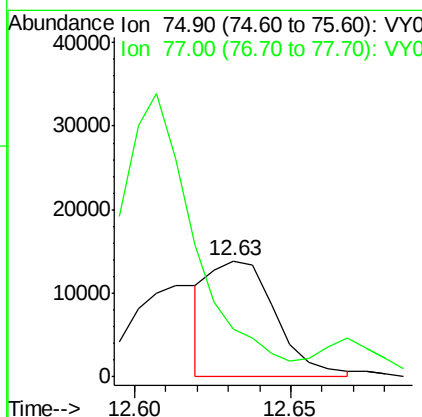
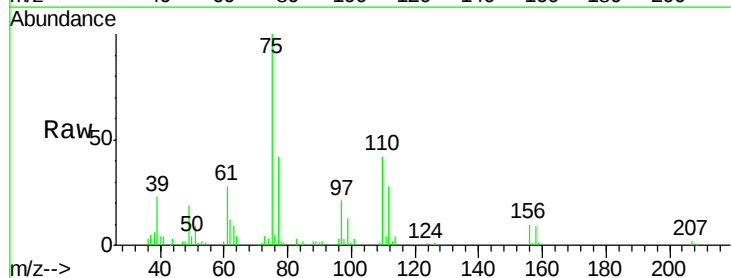
RT: 12.63 min Scan# 1787

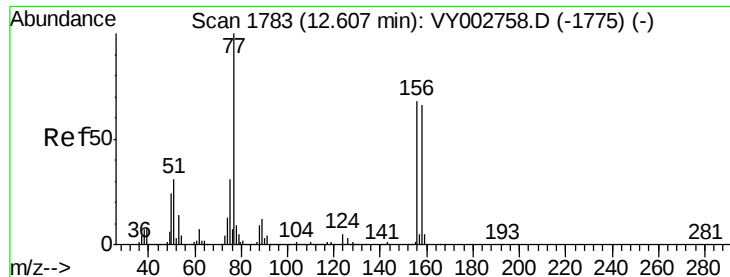
Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	75	Resp:	20482
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





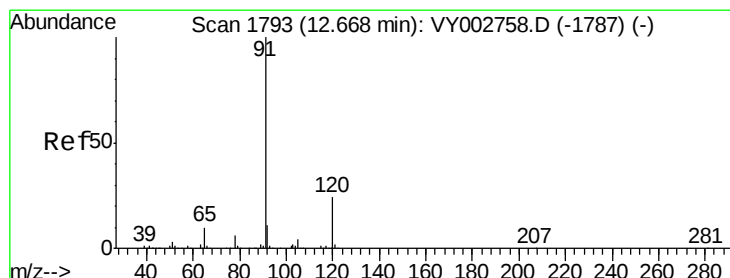
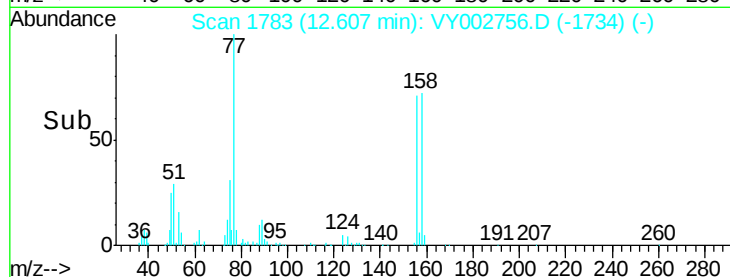
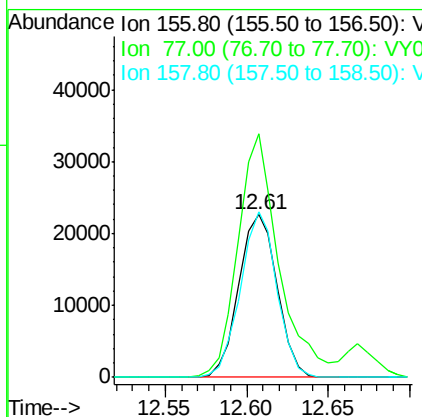
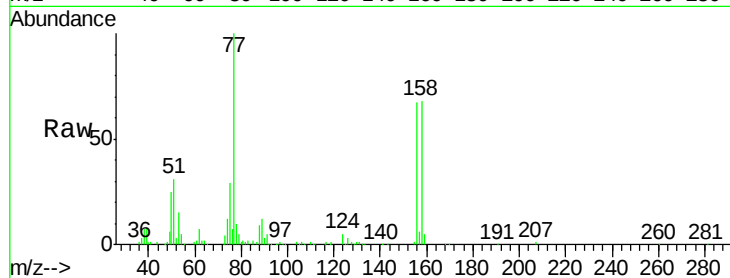
#77
Bromobenzene
Concen: 10.168 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.9	81.4	244.2
158	96.8	48.5	145.6

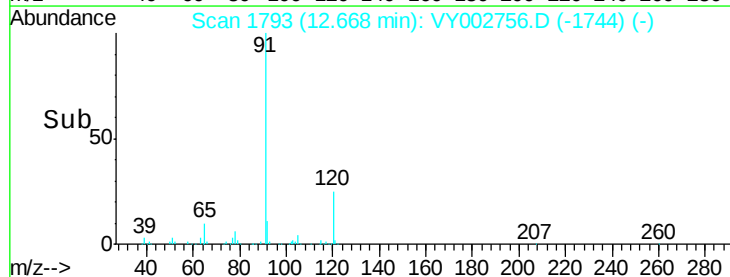
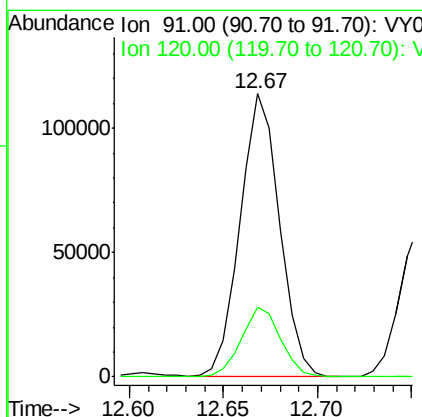
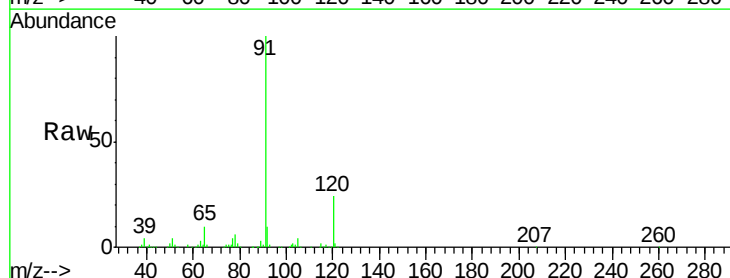
Manual Integrations
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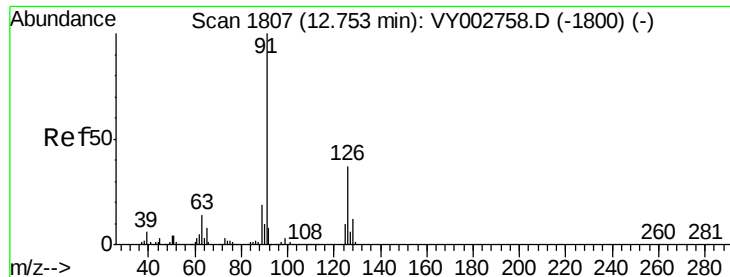
MMDadoda
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#78
n-propylbenzene
Concen: 9.839 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.9





#79

2-Chlorotoluene

Concen: 9.943 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 92912

Ion Ratio Lower Upper

91 100

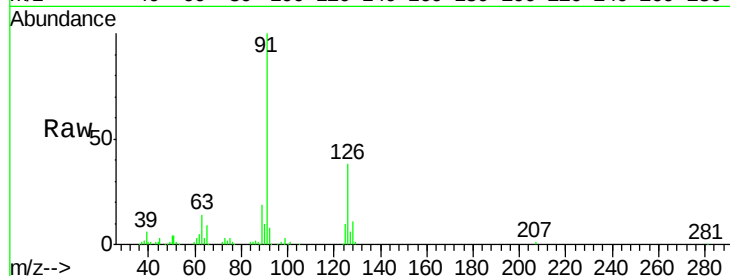
126 37.4 18.4 55.4

Manual Integrations

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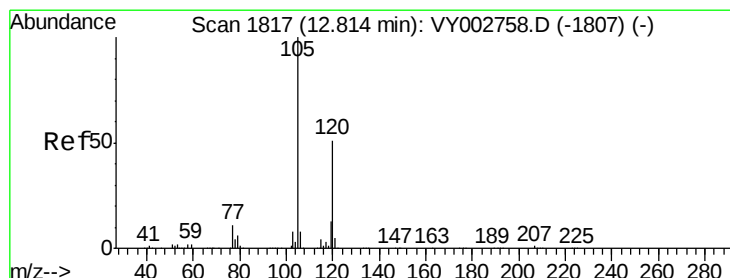
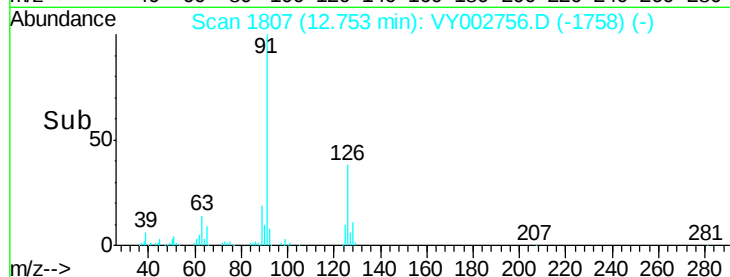
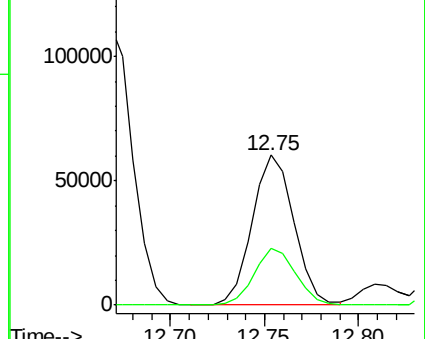
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Abundance Ion 91.00 (90.70 to 91.70): VY002756.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002756.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.768 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002756.D

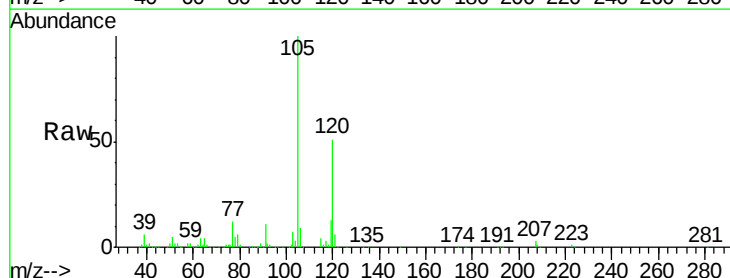
Acq: 27 May 2020 11:27

Tgt Ion: 105 Resp: 118757

Ion Ratio Lower Upper

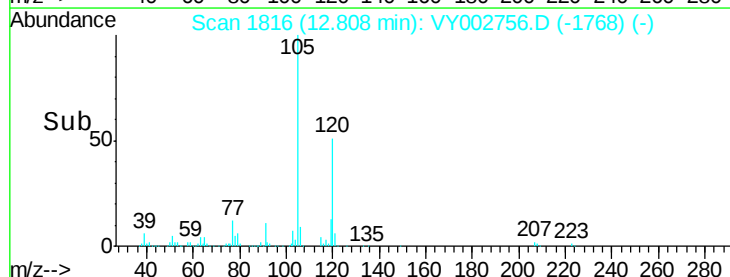
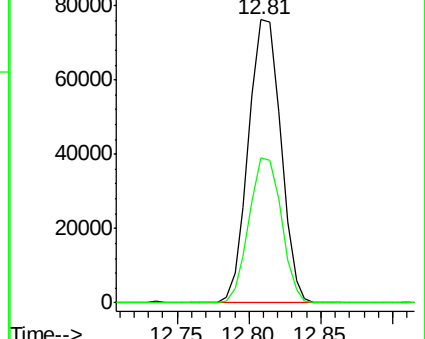
105 100

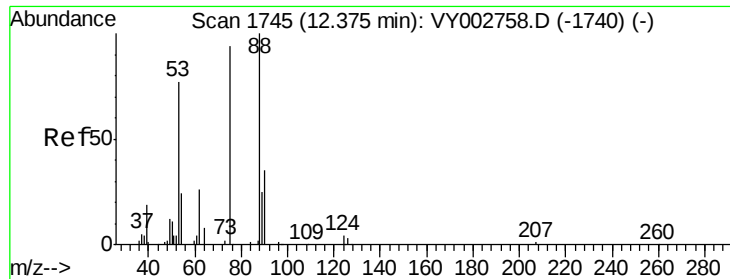
120 51.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002756.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY002756.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.945 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

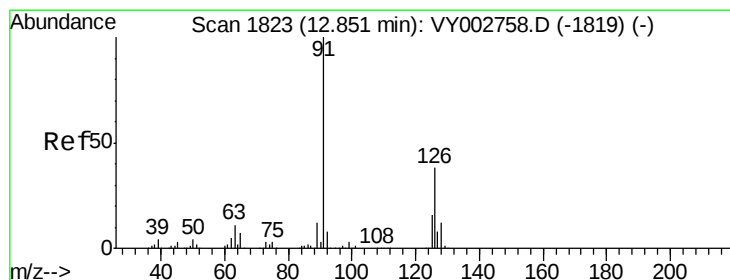
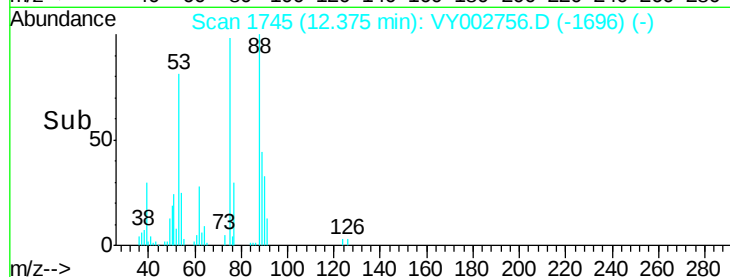
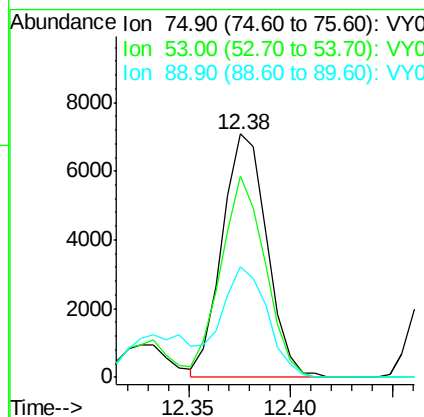
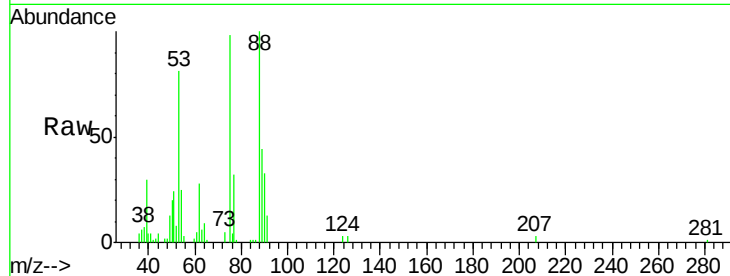
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10765
Ion	Ratio	Lower	Upper
75	100		
53	81.6	64.0	96.0
89	48.4	37.4	56.2

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#82

4-Chlorotoluene

Concen: 9.983 ug/l

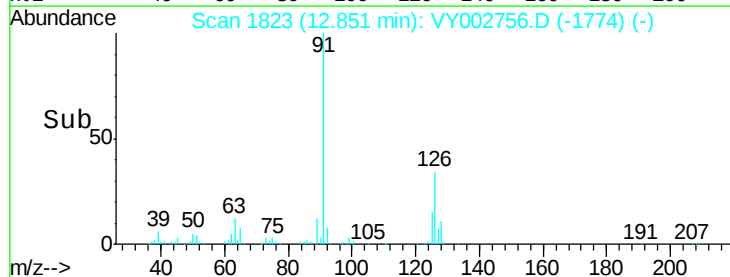
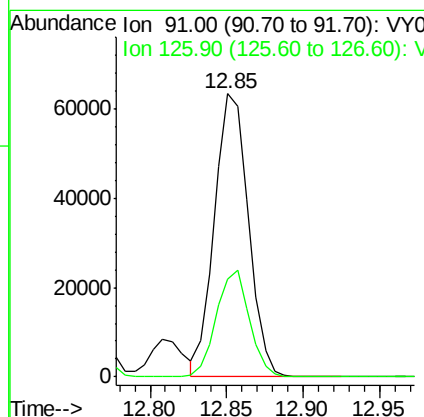
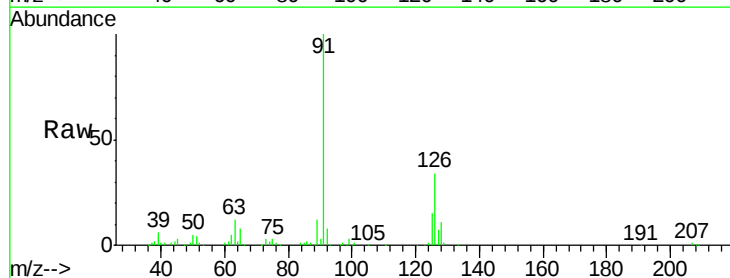
RT: 12.85 min Scan# 1823

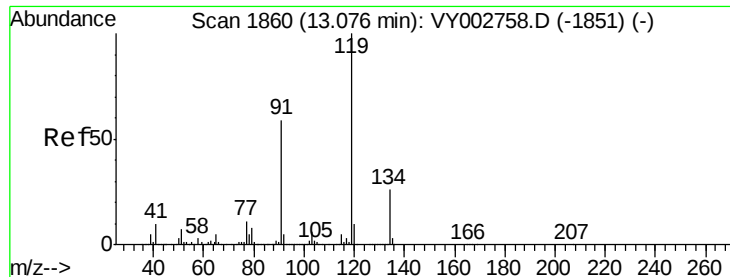
Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	91	Resp:	98017
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.5	55.5





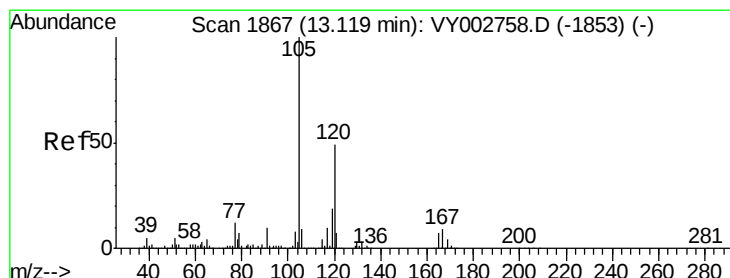
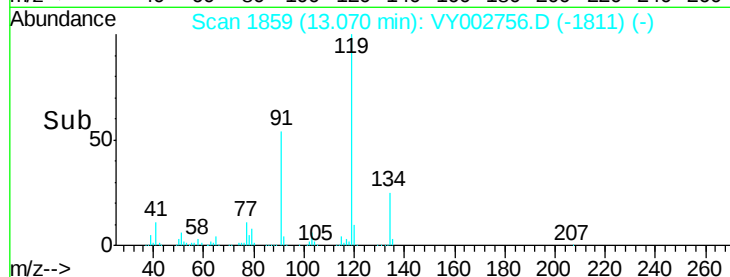
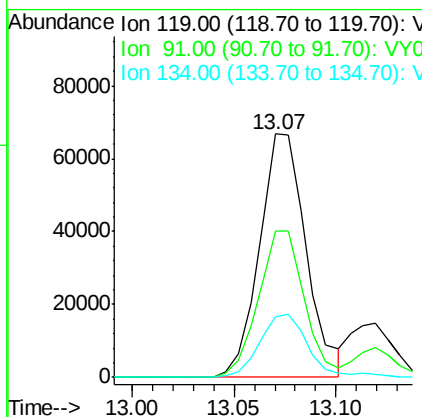
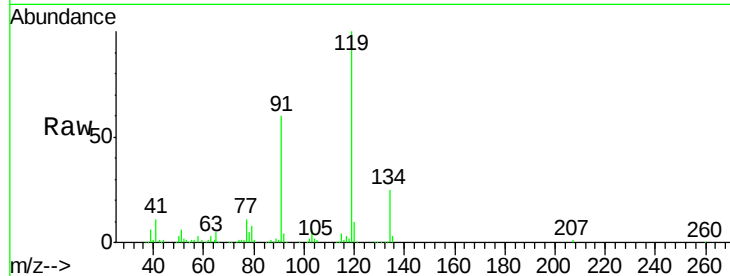
#83
tert-Butylbenzene
Concen: 9.880 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	106588		
91	59.0		29.8	89.4
134	27.0		13.3	39.8

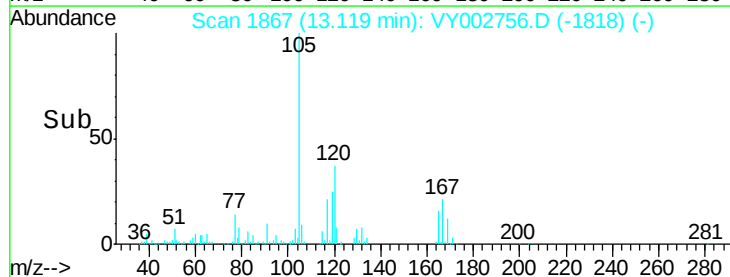
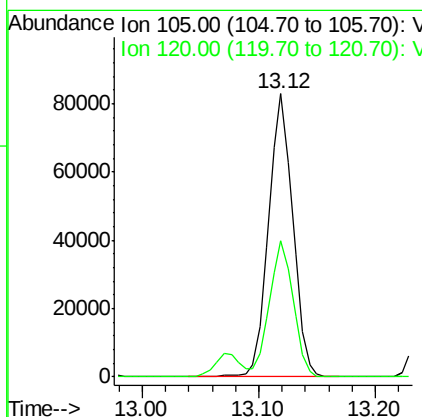
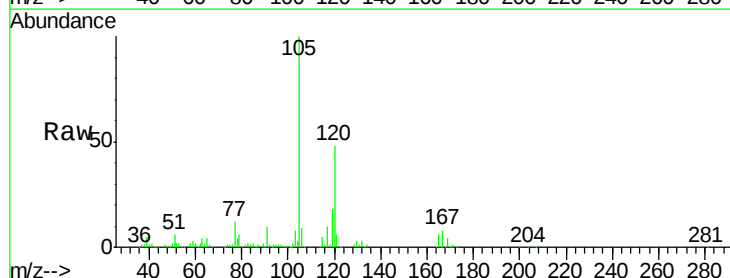
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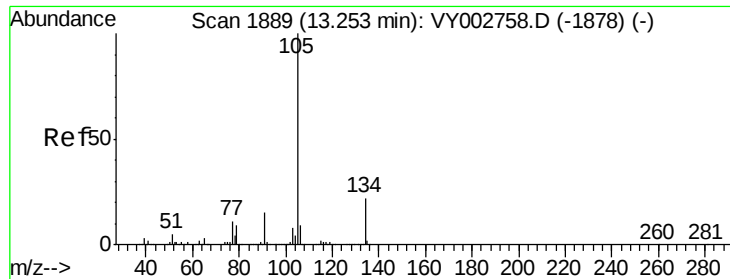
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#84
1,2,4-Trimethylbenzene
Concen: 9.781 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	119033		
120	46.7		23.6	70.8





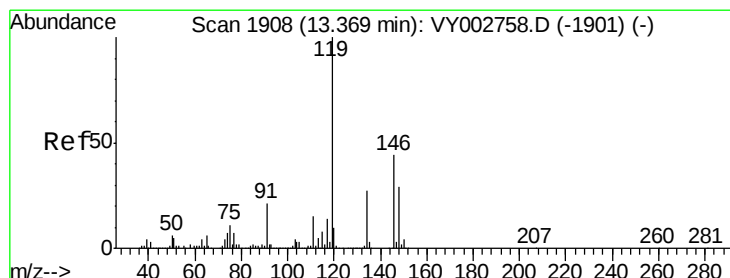
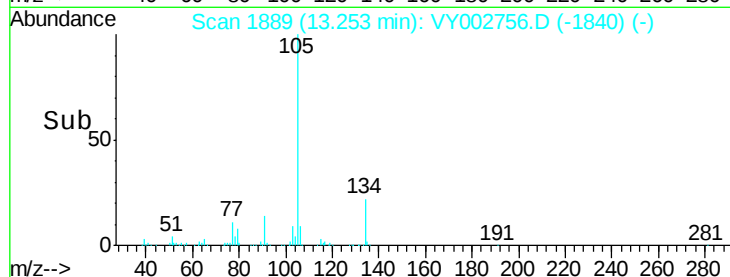
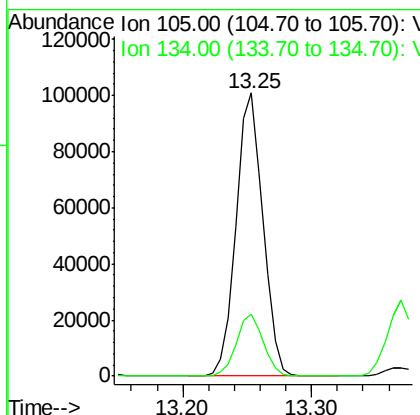
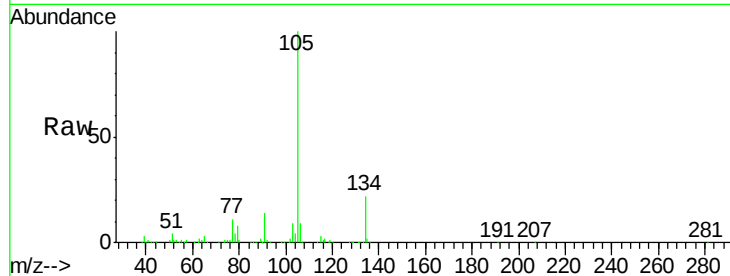
#85
 sec-Butylbenzene
 Concen: 9.814 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	145732		
134	22.2	10.8	32.4	

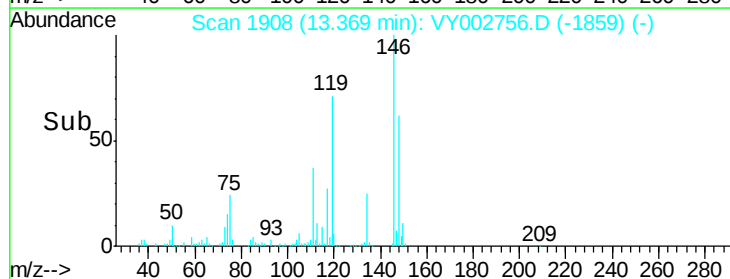
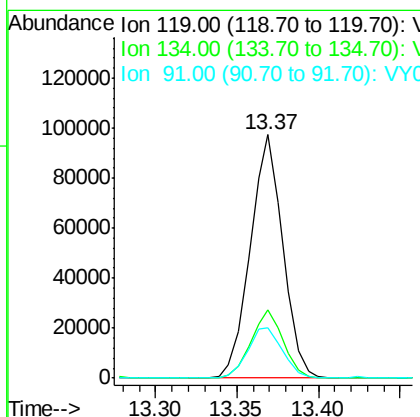
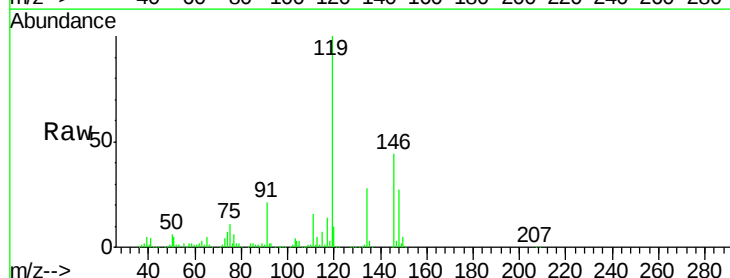
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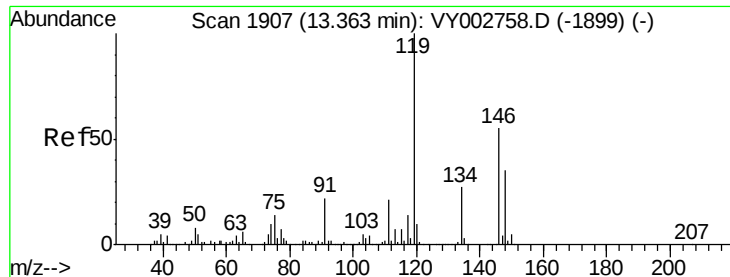
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#86
 p-Isopropyltoluene
 Concen: 9.675 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	134306		
134	27.9	13.7	41.0	
91	22.2	10.8	32.4	





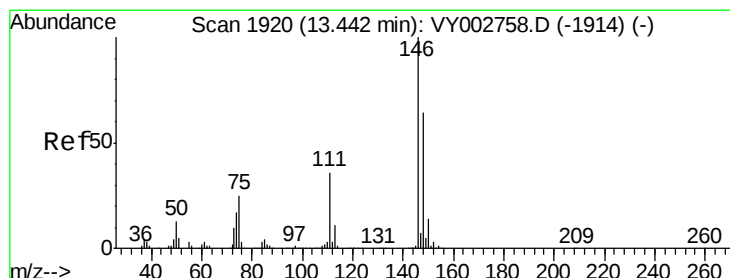
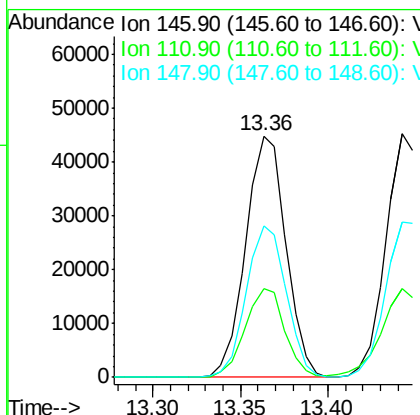
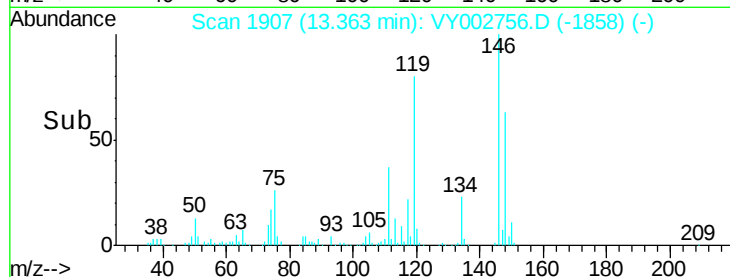
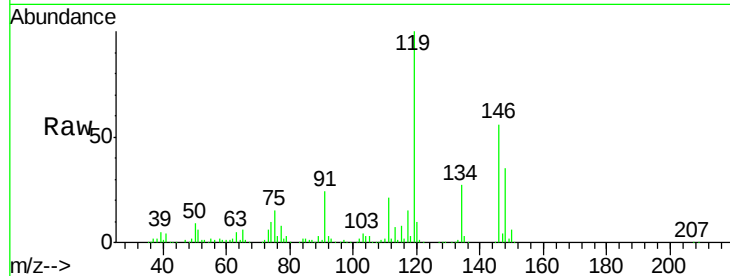
#87
 1,3-Dichlorobenzene
 Concen: 10.230 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.4	55.0
148	62.4	31.9	95.7

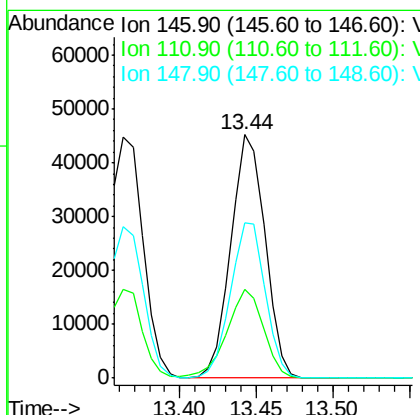
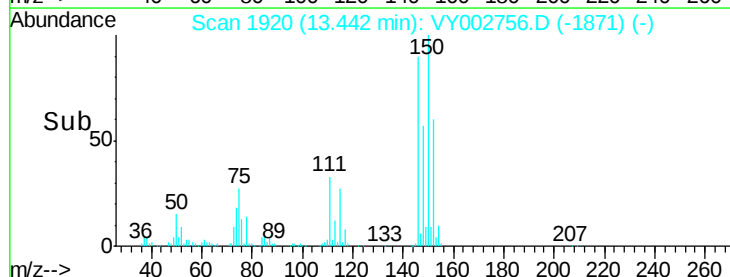
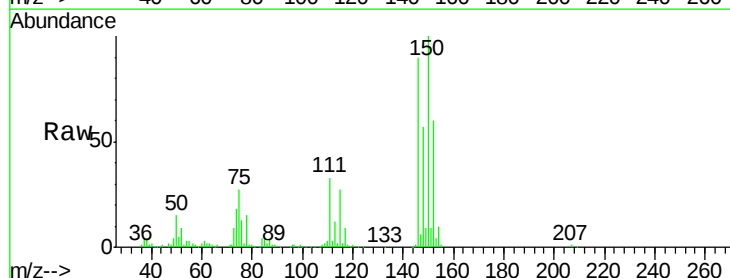
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#88
 1,4-Dichlorobenzene
 Concen: 10.066 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.1	54.3
148	64.9	32.1	96.3





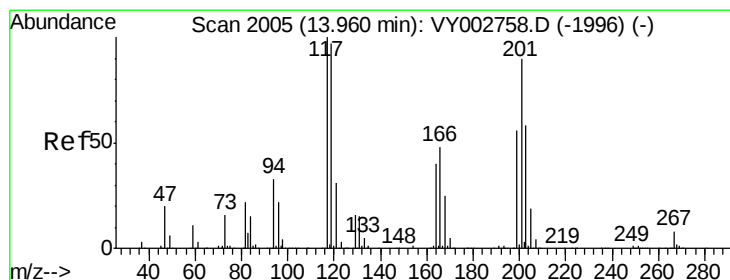
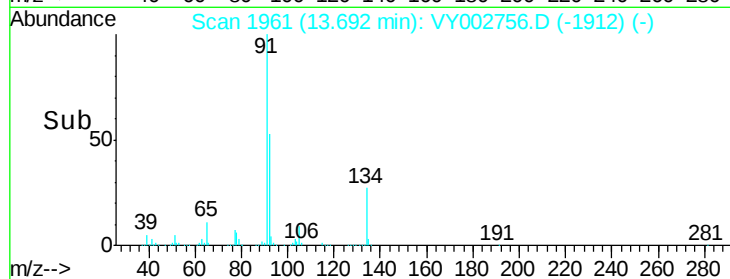
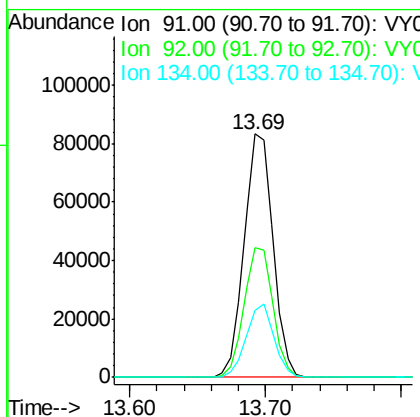
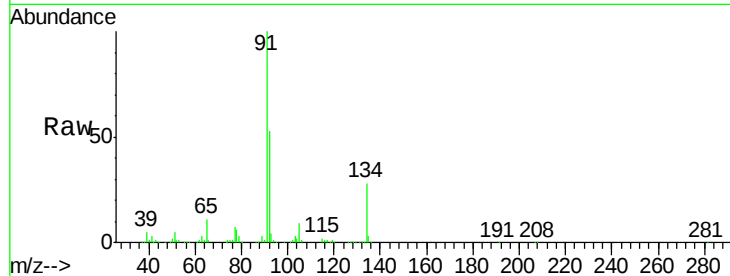
#89
n-Butylbenzene
Concen: 9.709 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.2
134	28.8	14.3	42.9

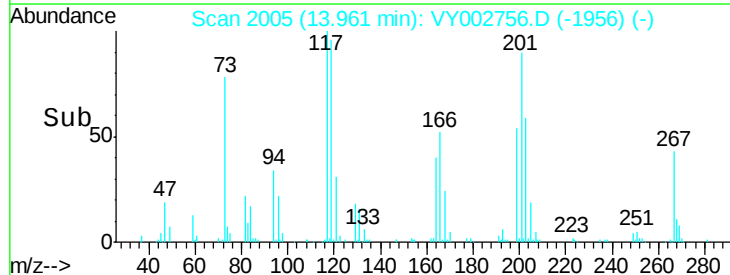
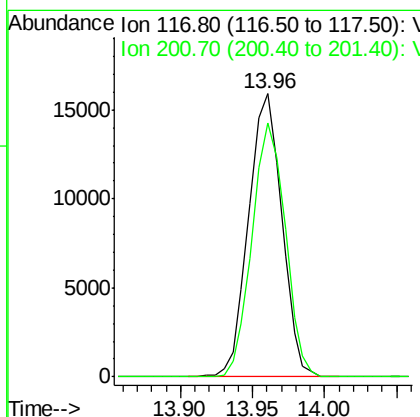
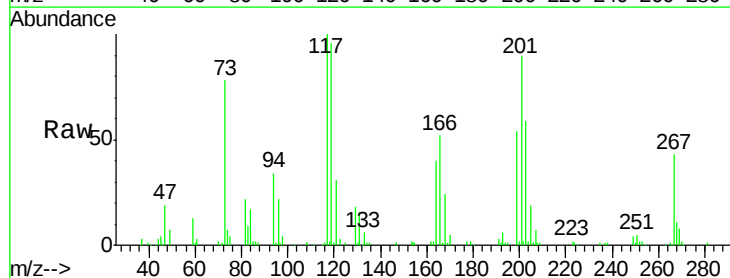
Manual Integrations
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#90
Hexachloroethane
Concen: 9.837 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	43.9	131.6





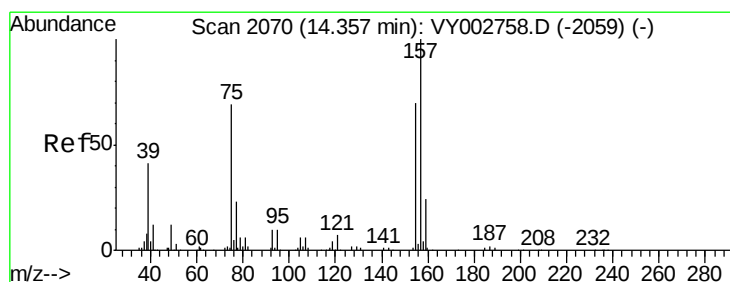
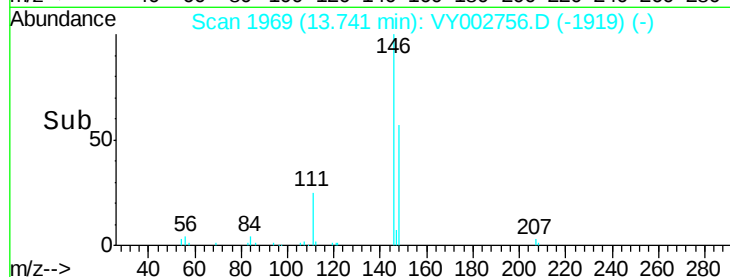
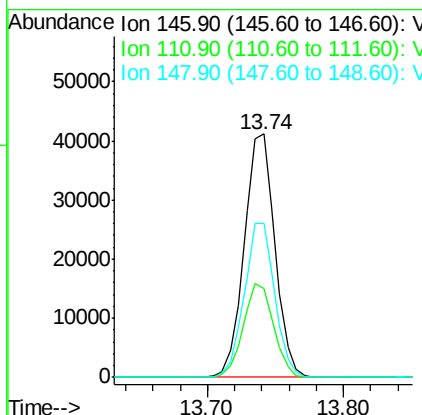
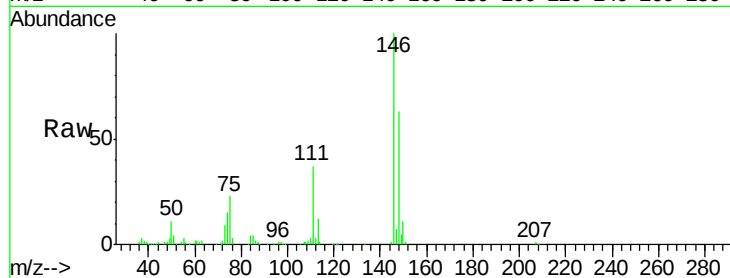
#91
 1,2-Dichlorobenzene
 Concen: 10.275 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.1	31.9	95.5

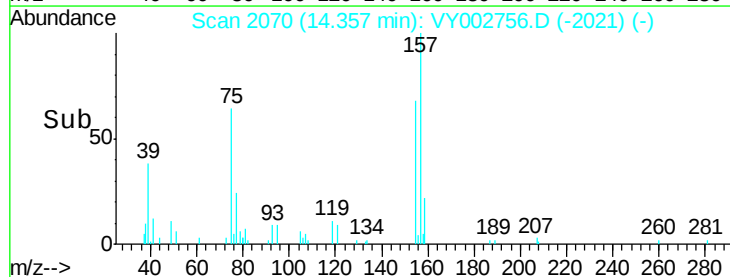
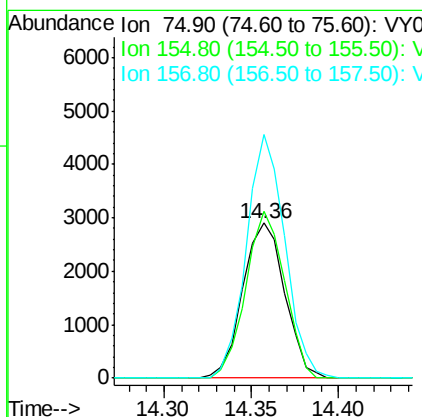
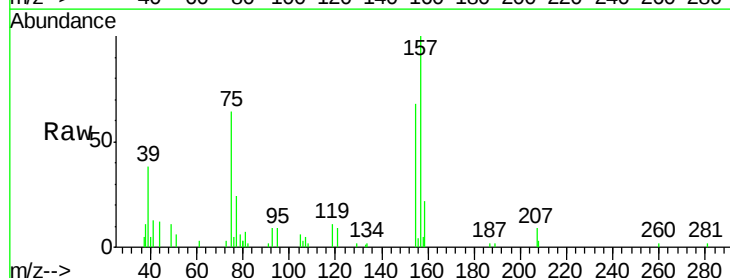
Manual Integrations
 APPROVED

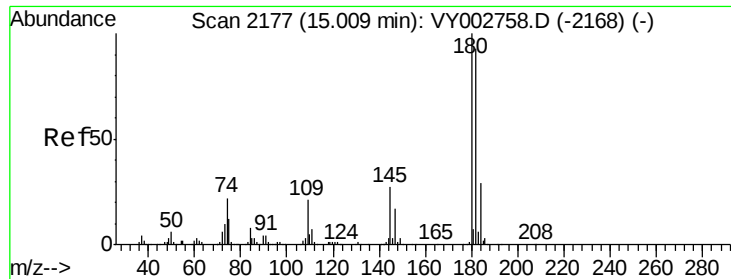
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.517 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	53.5	160.5
157	143.5	69.9	209.7





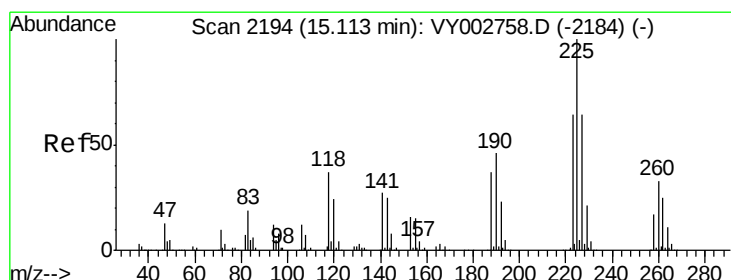
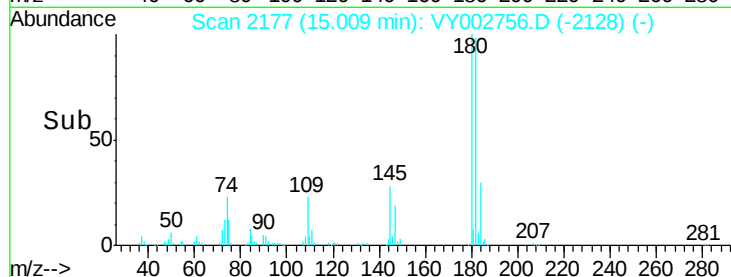
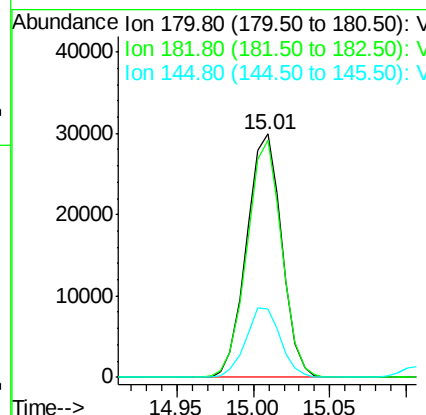
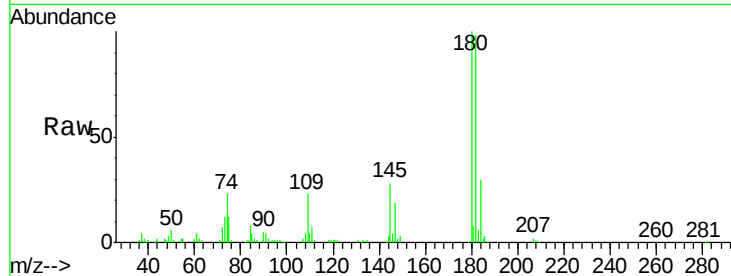
#93
 1,2,4-Trichlorobenzene
 Concen: 9.774 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	28.3	14.1	42.3

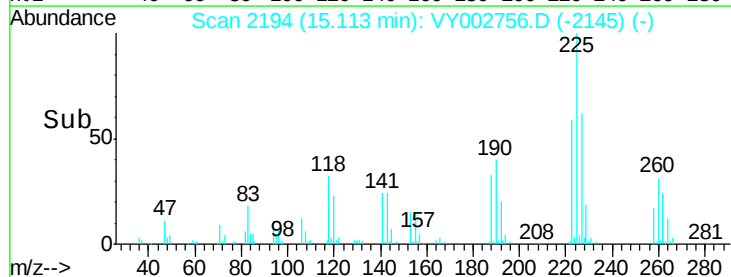
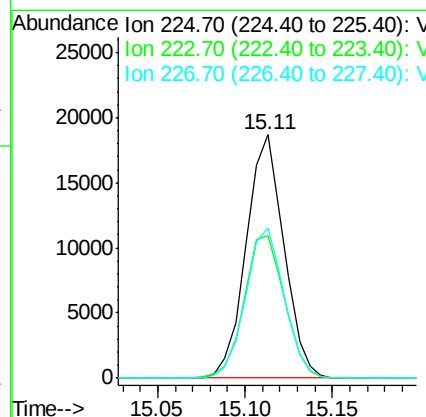
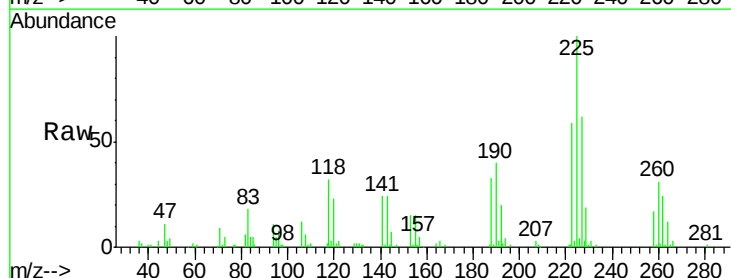
Manual Integrations
 APPROVED

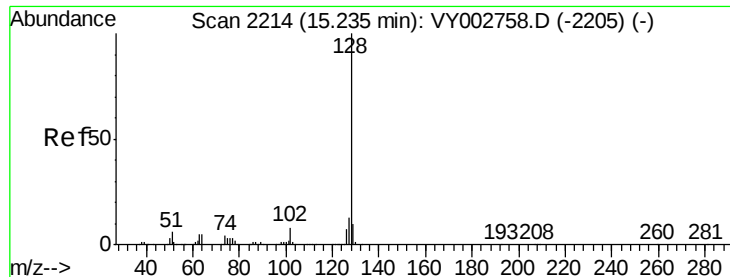
MMDadoda
 5/28/2020 2:08:34 PM



#94
 Hexachlorobutadiene
 Concen: 9.545 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	63.2	32.3	96.9





#95

Naphthalene

Concen: 10.781 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

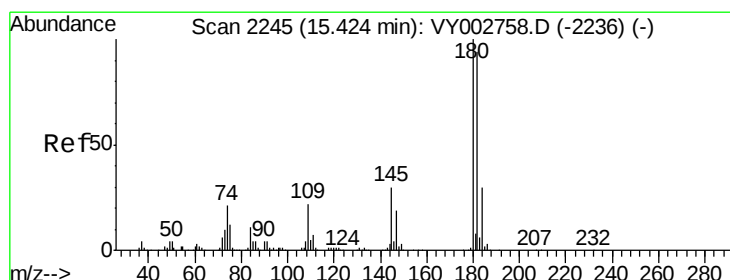
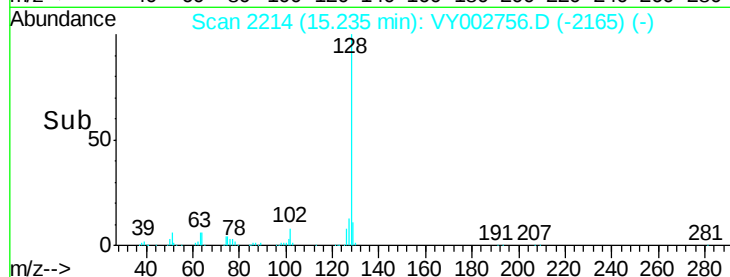
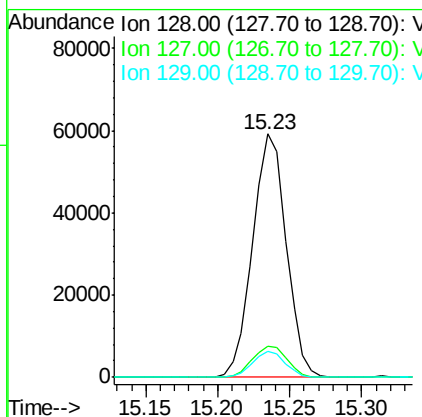
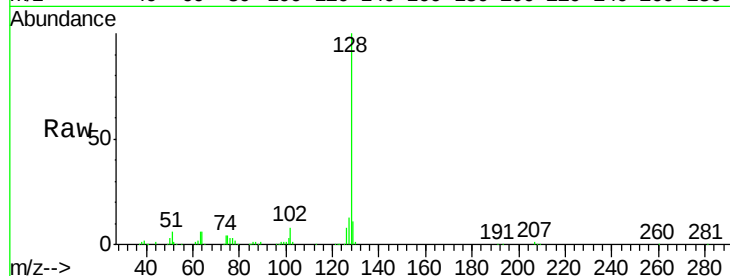
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	95427
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:08:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 10.254 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion:	180	Resp:	43726
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.1	144.4
145	29.1	15.1	45.3

