

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002475.D
 Acq On : 23 Apr 2020 21:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:49 PM

Quant Time: Apr 24 02:29:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	302274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	463209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	419601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	218287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	139486	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
35) Dibromofluoromethane	7.75	113	136349	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
50) Toluene-d8	10.20	98	516251	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.49	95	176899	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	111939	50.567	ug/l	98
3) Chloromethane	2.13	50	137645	48.869	ug/l	97
4) Vinyl Chloride	2.27	62	92952	45.939	ug/l	98
5) Bromomethane	2.67	94	64507	56.803	ug/l	95
6) Chloroethane	2.82	64	48274	45.660	ug/l	94
7) Trichlorofluoromethane	3.15	101	171920	46.858	ug/l	98
8) Diethyl Ether	3.55	74	64037	42.343	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	137879	54.593	ug/l	99
10) Methyl Iodide	4.13	142	210336	53.986	ug/l	98
11) Tert butyl alcohol	4.99	59	73989	297.550	ug/l	97
12) 1,1-Dichloroethene	3.90	96	141586	54.717	ug/l	99
13) Acrolein	3.76	56	57418	288.454	ug/l	99
14) Allyl chloride	4.52	41	208790	54.906	ug/l	96
15) Acrylonitrile	5.21	53	212853	294.159	ug/l	100
16) Acetone	3.98	43	159083	288.126	ug/l	97
17) Carbon Disulfide	4.22	76	426506	52.860	ug/l	99
18) Methyl Acetate	4.52	43	102708	57.809	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	401680	57.527	ug/l	99
20) Methylene Chloride	4.76	84	159467	50.588	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	157265	53.982	ug/l	95
22) Diisopropyl ether	6.16	45	416329	55.372	ug/l	99
23) Vinyl Acetate	6.10	43	1396220	292.239	ug/l	97
24) 1,1-Dichloroethane	6.06	63	247717	54.418	ug/l	99
25) 2-Butanone	7.02	43	254036	300.326	ug/l	99
26) 2,2-Dichloropropane	7.02	77	212446	48.799	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	172498	54.439	ug/l	99
28) Bromochloromethane	7.36	49	93647	52.732	ug/l	98
29) Tetrahydrofuran	7.38	42	168384	300.251	ug/l	98
30) Chloroform	7.54	83	260157	53.675	ug/l	99
31) Cyclohexane	7.82	56	217749	47.836	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	237266	51.807	ug/l	100
36) 1,1-Dichloropropene	7.95	75	198084	49.872	ug/l	99
37) Ethyl Acetate	7.11	43	112066	56.163	ug/l	100
38) Carbon Tetrachloride	7.93	117	224478	49.148	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	249043	48.067	ug/l	98
40) Benzene	8.19	78	589584	51.358	ug/l	98
41) Methacrylonitrile	7.35	41	69523m	56.553	ug/l	
42) 1,2-Dichloroethane	8.27	62	172882	51.842	ug/l	100
43) Isopropyl Acetate	8.30	43	209125	56.035	ug/l	99
44) Trichloroethene	8.96	130	182605	50.871	ug/l	99
45) 1,2-Dichloropropane	9.24	63	140337	53.042	ug/l	99
46) Dibromomethane	9.33	93	83407	53.882	ug/l	98
47) Bromodichloromethane	9.52	83	204279	52.771	ug/l	99
48) Methyl methacrylate	9.31	41	94493	55.463	ug/l	98
49) 1,4-Dioxane	9.32	88	23981	1215.625	ug/l	91
51) 4-Methyl-2-Pentanone	10.09	43	544918	281.109	ug/l	100
52) Toluene	10.26	92	372393	50.394	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	217471	53.494	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	243235	52.274	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	122647	53.587	ug/l	97
56) Ethyl methacrylate	10.52	69	172712	55.227	ug/l	99
57) 1,3-Dichloropropane	10.80	76	205114	53.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	394057	260.568	ug/l	98
59) 2-Hexanone	10.85	43	379662	280.986	ug/l	98
60) Dibromochloromethane	11.00	129	159296	53.117	ug/l	99
61) 1,2-Dibromoethane	11.10	107	122685	54.057	ug/l	100
64) Tetrachloroethene	10.74	164	193738	50.379	ug/l	98
65) Chlorobenzene	11.53	112	412736	51.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	160647	52.927	ug/l	100
67) Ethyl Benzene	11.61	91	725996	50.357	ug/l	99
68) m/p-Xylenes	11.72	106	556367	100.247	ug/l	98
69) o-Xylene	12.04	106	264803	51.523	ug/l	100
70) Styrene	12.06	104	468225	52.321	ug/l	99
71) Bromoform	12.22	173	104622	54.716	ug/l #	99
73) Isopropylbenzene	12.34	105	714966	48.992	ug/l	99
74) N-amyl acetate	12.16	43	187586	54.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	119691	53.402	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	101028m	54.607	ug/l	
77) Bromobenzene	12.62	156	187702	51.284	ug/l	99
78) n-propylbenzene	12.68	91	824944	48.686	ug/l	100
79) 2-Chlorotoluene	12.77	91	465382	50.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	606321	48.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	52606	52.617	ug/l	95
82) 4-Chlorotoluene	12.87	91	483801	50.487	ug/l	100
83) tert-Butylbenzene	13.09	119	531649	49.429	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	611379	51.448	ug/l	100
85) sec-Butylbenzene	13.27	105	719593	49.964	ug/l	100
86) p-Isopropyltoluene	13.38	119	685385	49.902	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	348668	51.505	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	343839	51.080	ug/l	100
89) n-Butylbenzene	13.71	91	609387	48.096	ug/l	99
90) Hexachloroethane	13.97	117	124467	50.137	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	314986	54.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	23957	53.839	ug/l	98

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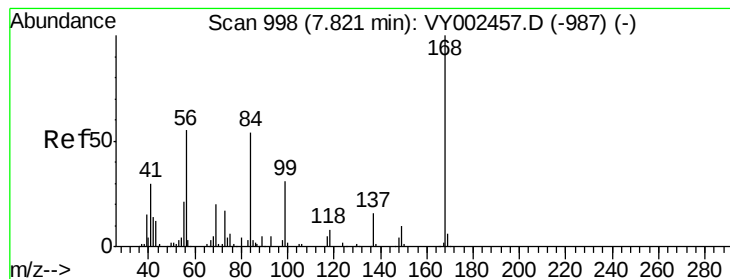
Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:49 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	224594	48.813	ug/l	100
94) Hexachlorobutadiene	15.13	225	133974	48.247	ug/l	99
95) Naphthalene	15.25	128	466547	54.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	197768	50.675	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 302274

Ion Ratio Lower Upper

168 100

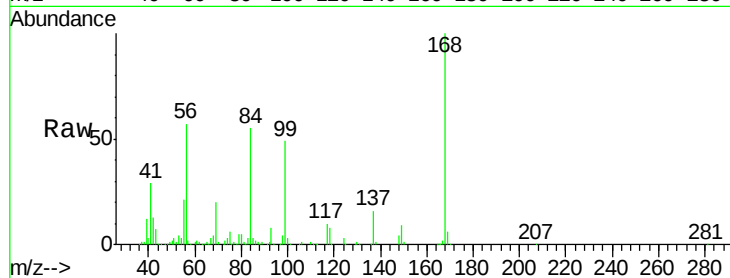
99 48.7 39.7 59.5

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

7.82

150000

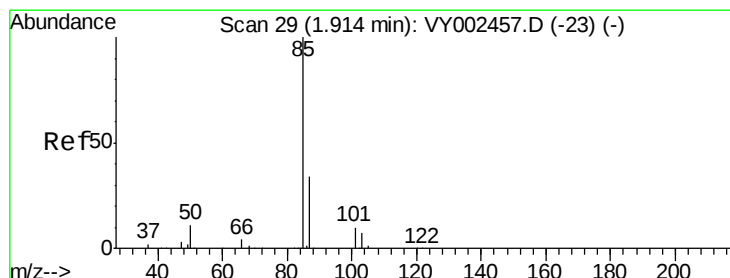
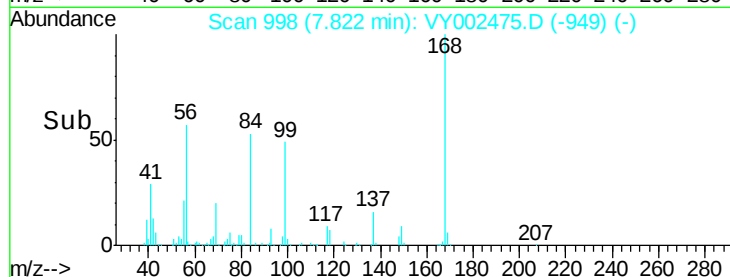
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.567 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002475.D

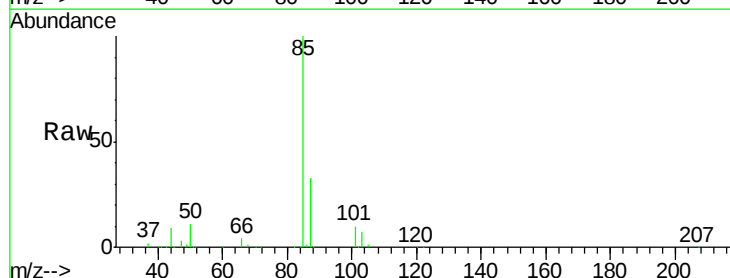
Acq: 23 Apr 2020 21:07

Tgt Ion: 85 Resp: 111939

Ion Ratio Lower Upper

85 100

87 33.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

80000

60000

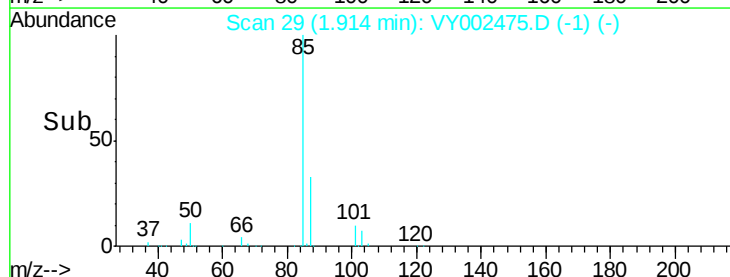
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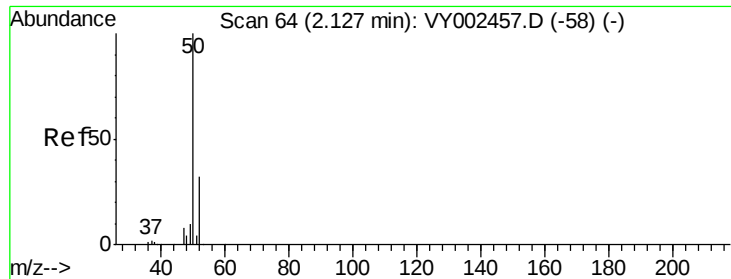
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.869 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 137645

Ion Ratio Lower Upper

50 100

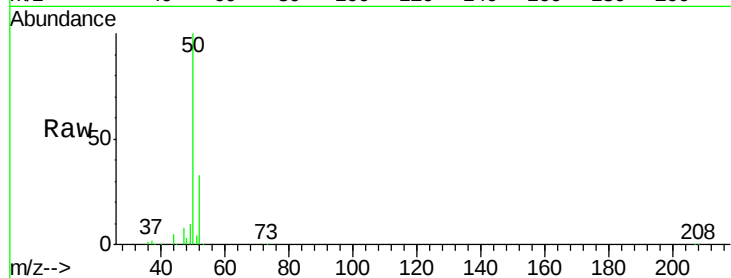
52 33.1 25.2 37.8

Manual Integrations

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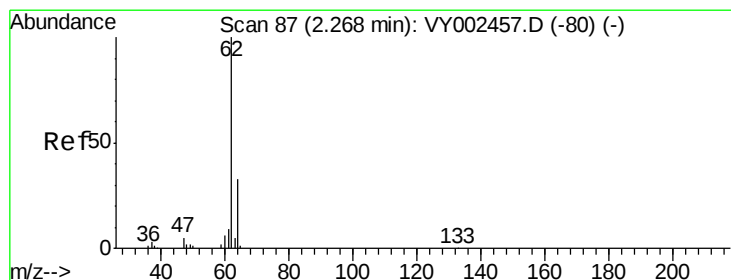
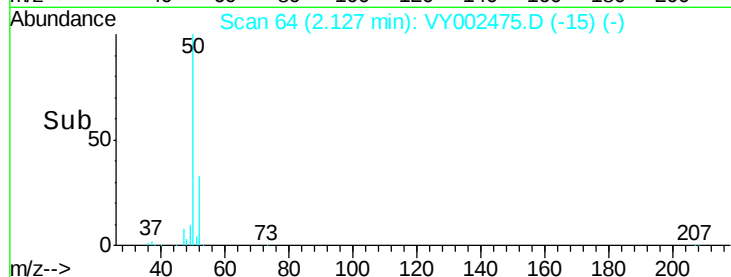
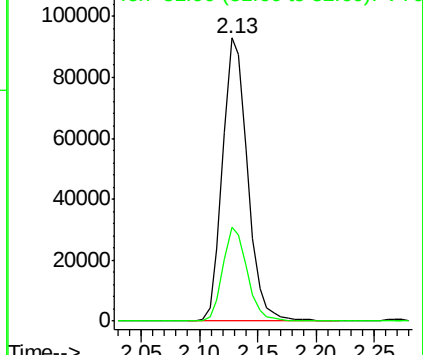
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.939 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002475.D

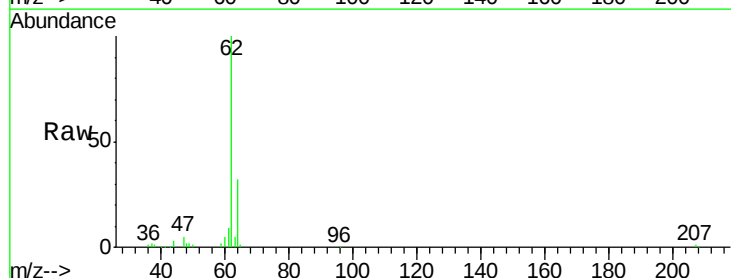
Acq: 23 Apr 2020 21:07

Tgt Ion: 62 Resp: 92952

Ion Ratio Lower Upper

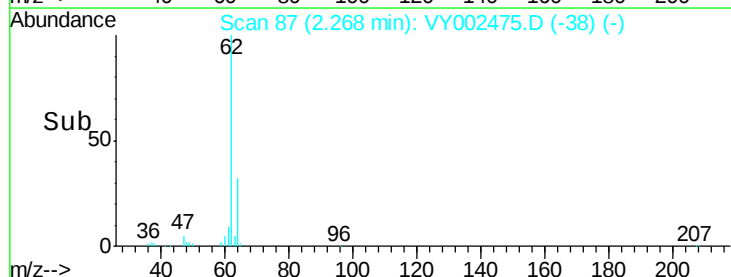
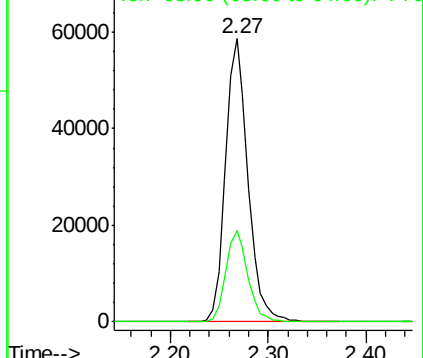
62 100

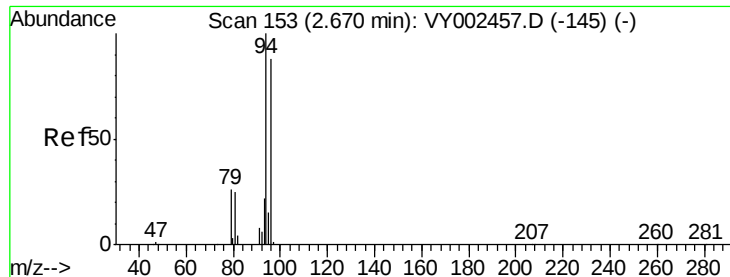
64 32.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 56.803 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64507

Ion Ratio Lower Upper

94 100

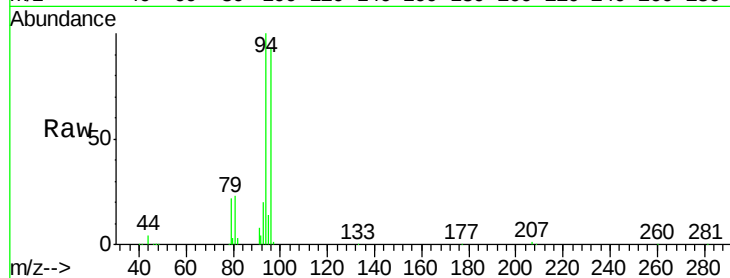
96 92.3 70.2 105.4

Manual Integrations

APPROVED

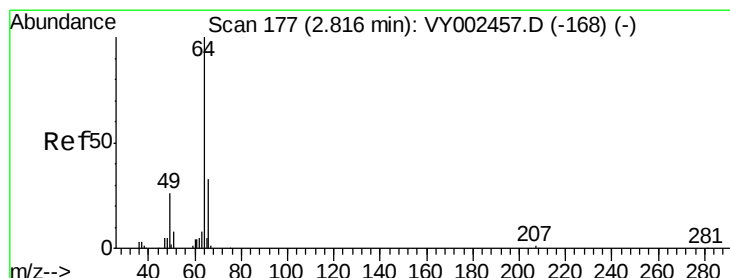
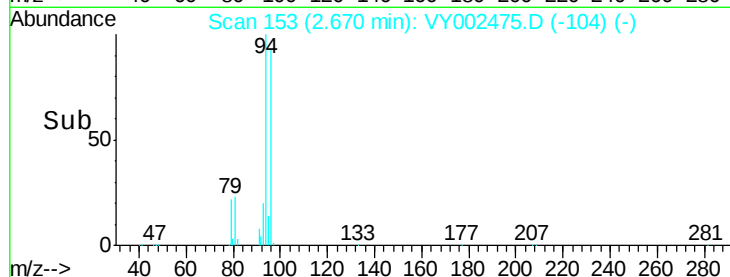
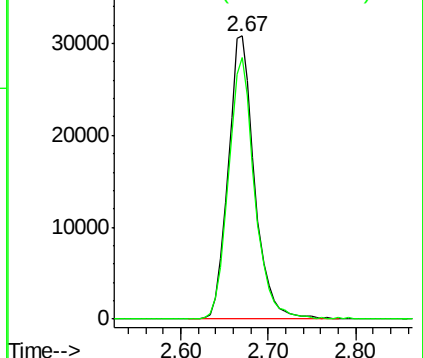
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.660 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.00 min

Lab File: VY002475.D

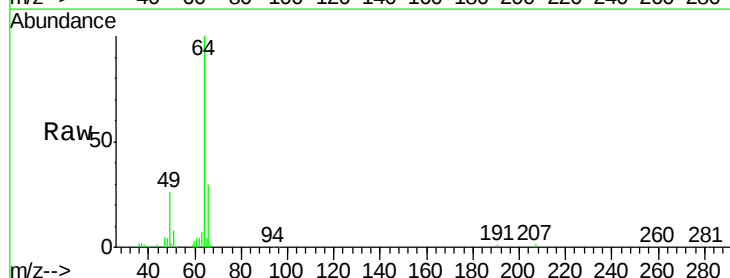
Acq: 23 Apr 2020 21:07

Tgt Ion: 64 Resp: 48274

Ion Ratio Lower Upper

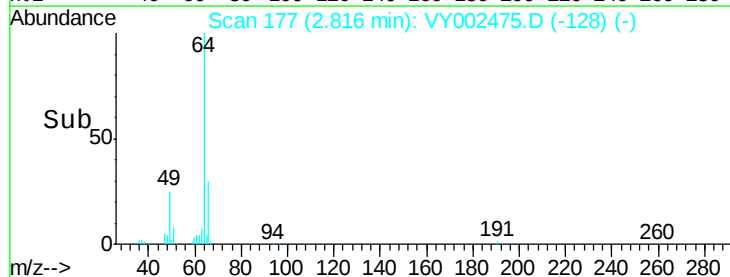
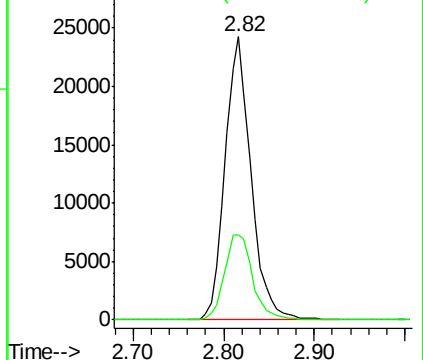
64 100

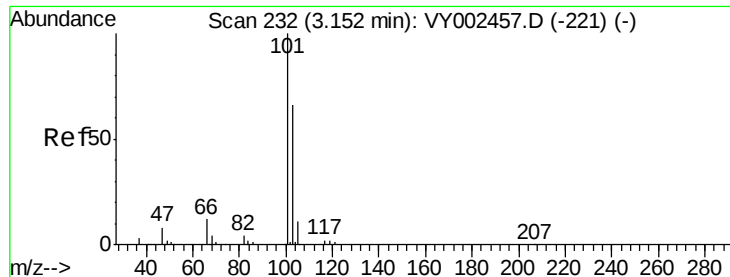
66 30.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

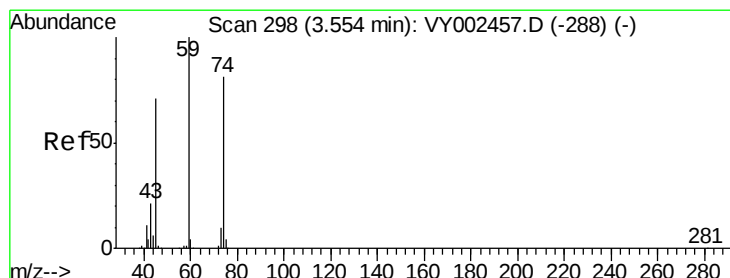
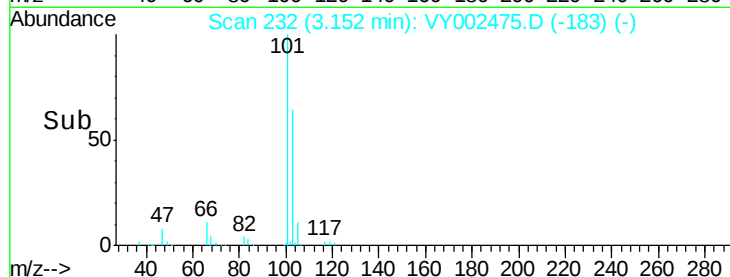
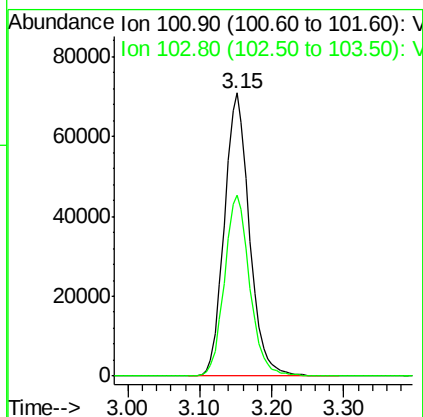
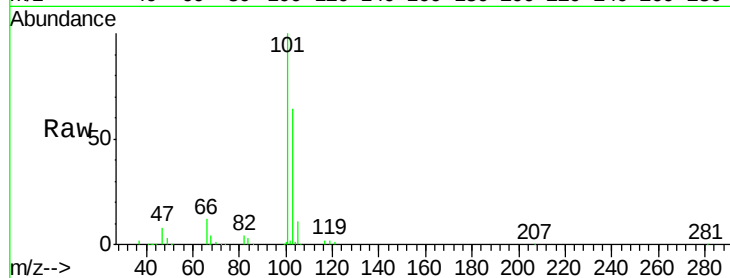
Trichlorofluoromethane
Concen: 46.858 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	171920		
103	64.1	52.5	78.7	

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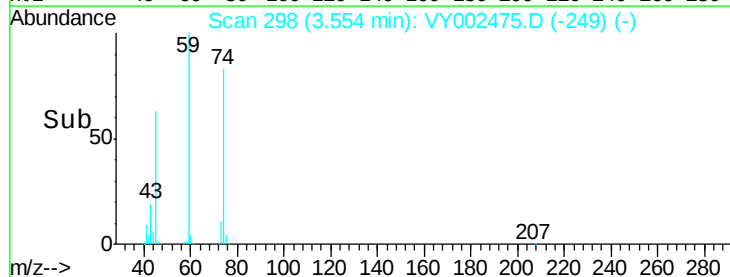
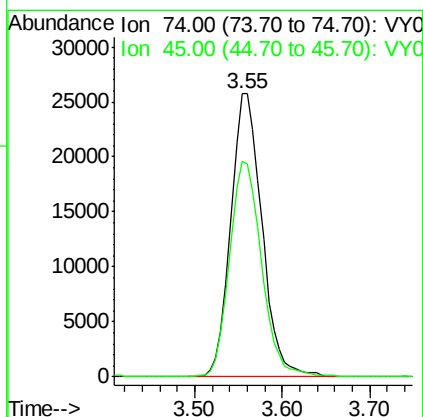
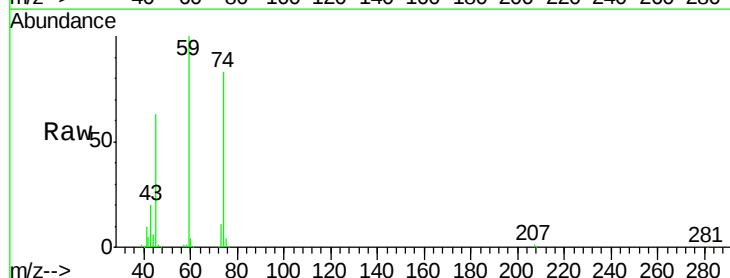
MMDadoda
4/24/2020 1:33:49 PM

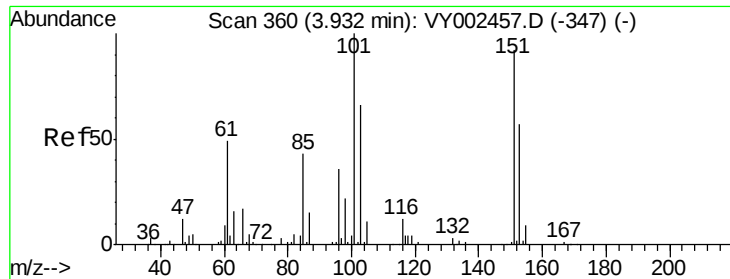


#8

Diethyl Ether
Concen: 42.343 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64037		
45	78.4	44.0	132.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.593 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

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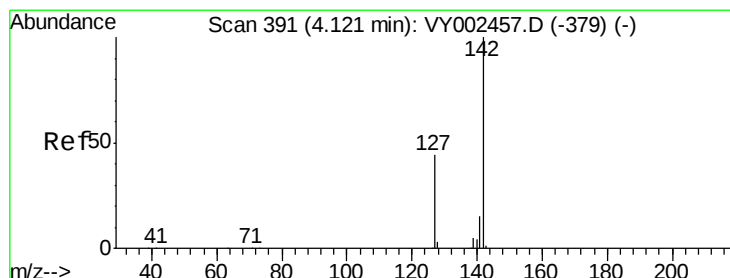
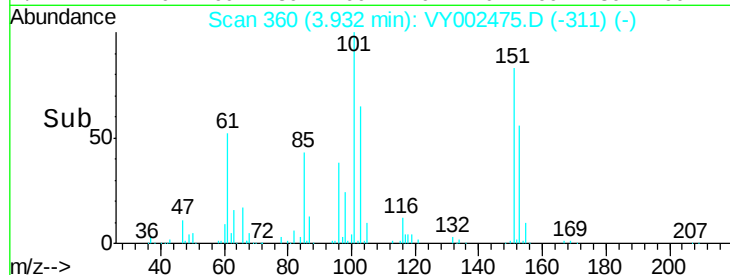
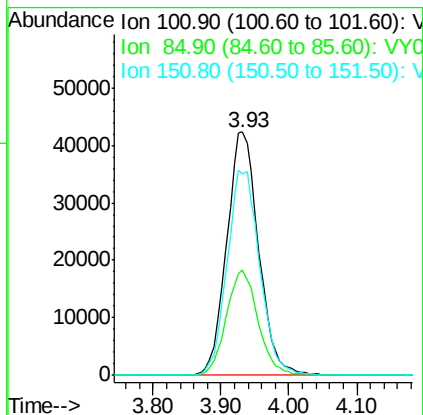
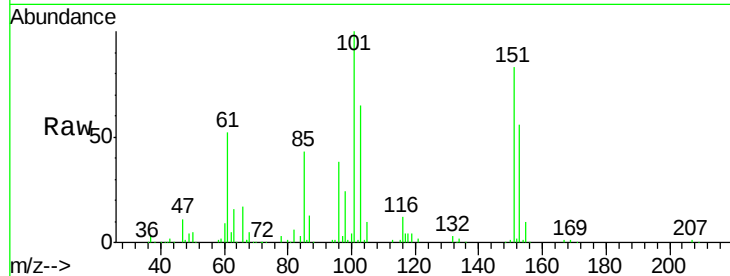
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	137879
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	86.2	70.3	105.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.986 ug/l

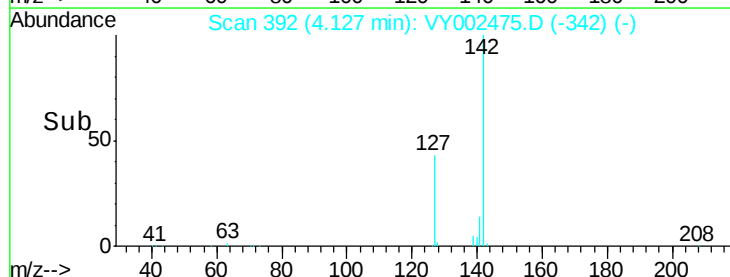
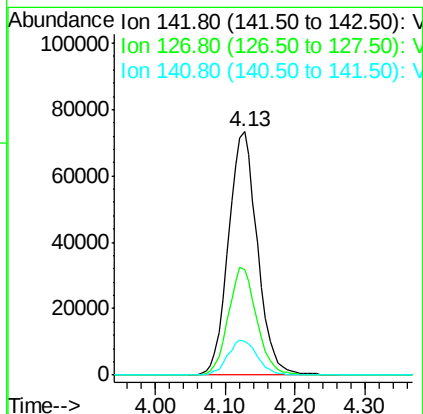
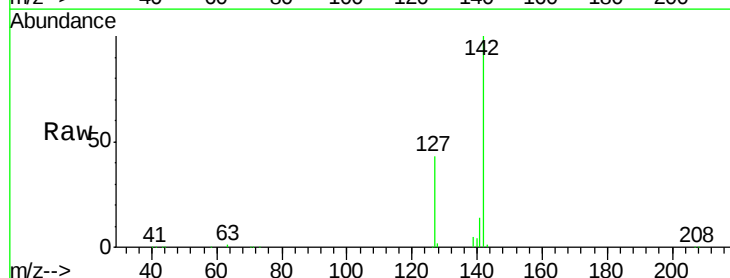
RT: 4.13 min Scan# 392

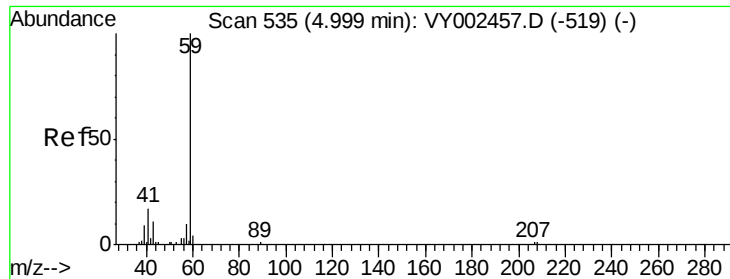
Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion:	142	Resp:	210336
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.8	53.8
141	14.8	11.6	17.4





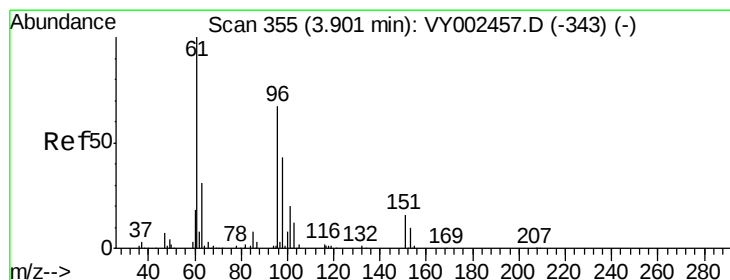
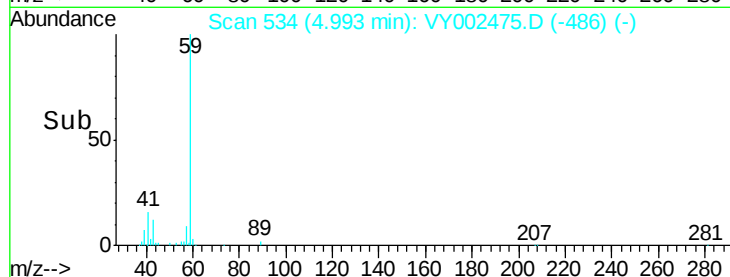
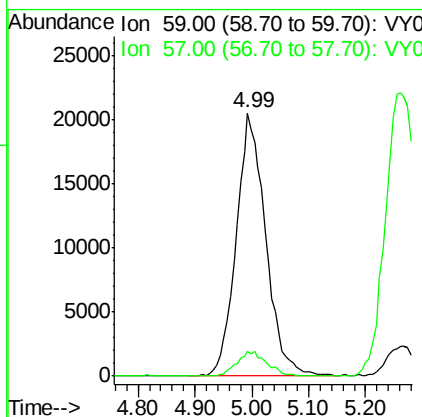
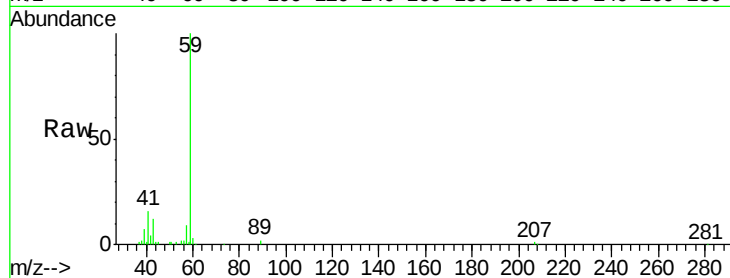
#11
Tert butyl alcohol
Concen: 297.550 ug/l
RT: 4.99 min Scan# 534
Delta R.T. -0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.4	12.6

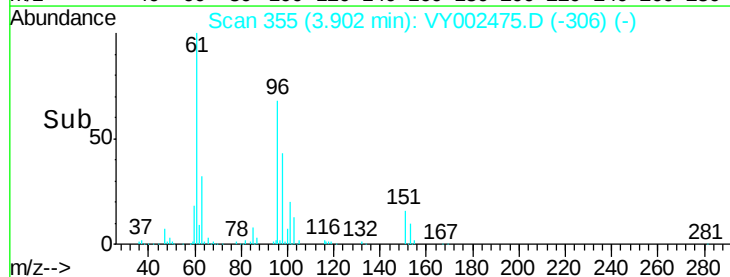
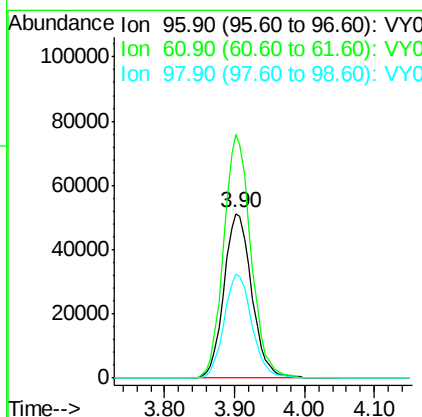
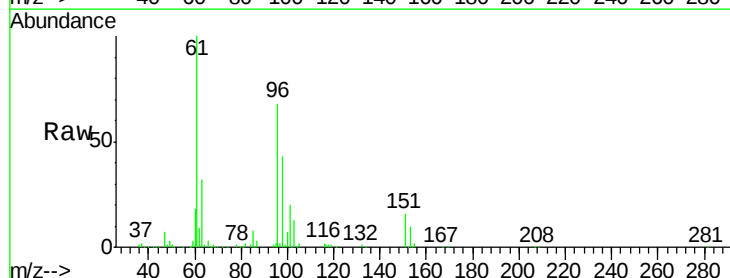
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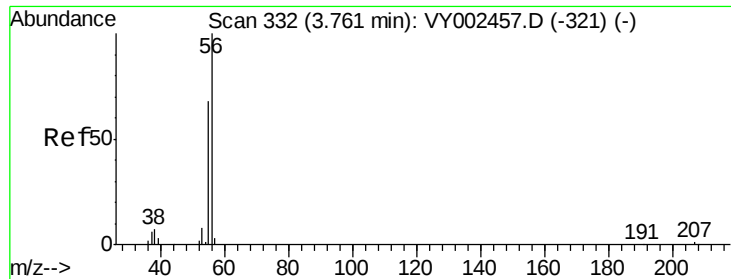
MMDadoda
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#12
1,1-Dichloroethene
Concen: 54.717 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.8	119.0	178.6
98	62.9	51.4	77.2





#13

Acrolein

Concen: 288.454 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 57418

Ion Ratio Lower Upper

56 100

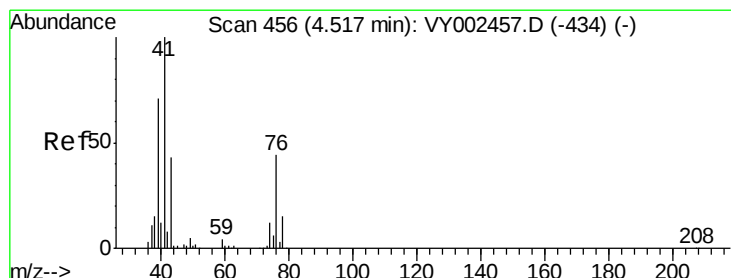
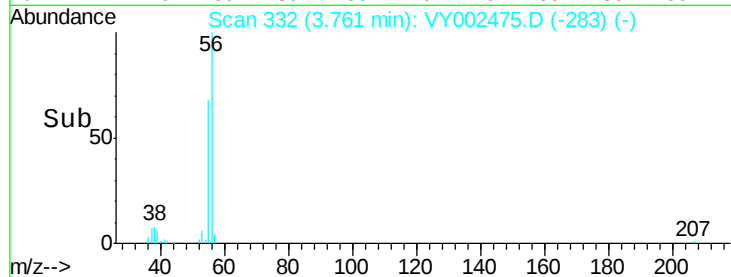
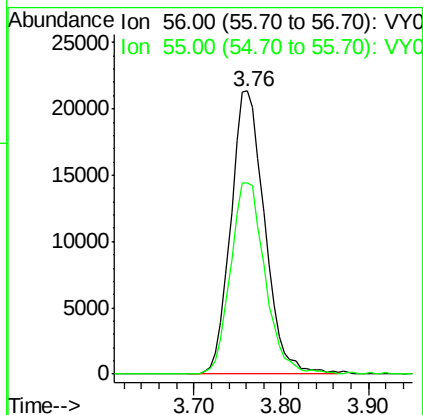
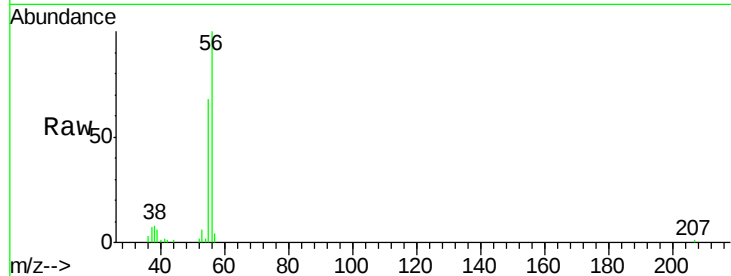
55 69.2 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 54.906 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

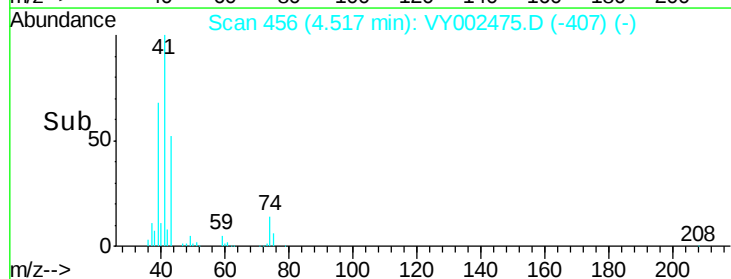
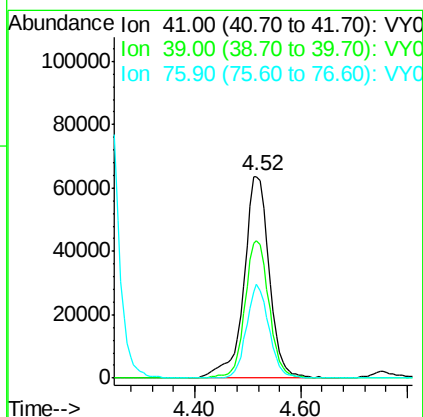
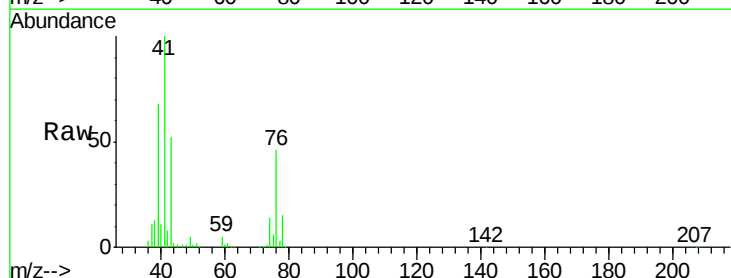
Tgt Ion: 41 Resp: 208790

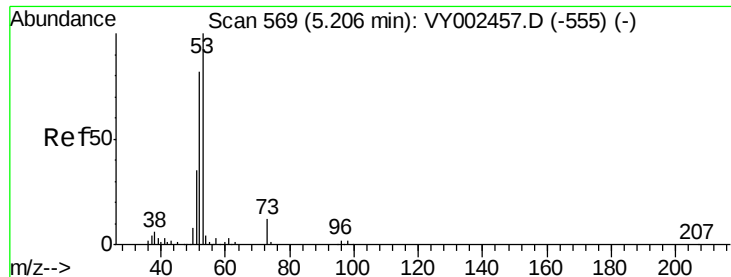
Ion Ratio Lower Upper

41 100

39 64.8 55.1 82.7

76 41.2 34.3 51.5





#15

Acrylonitrile

Concen: 294.159 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

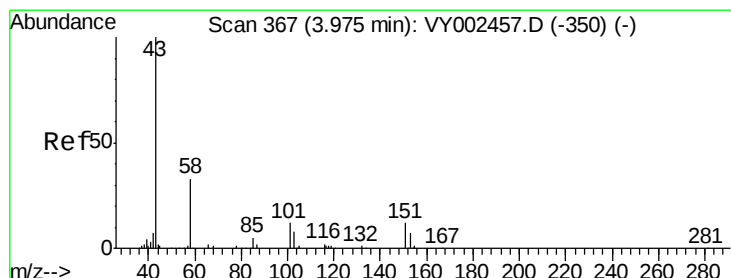
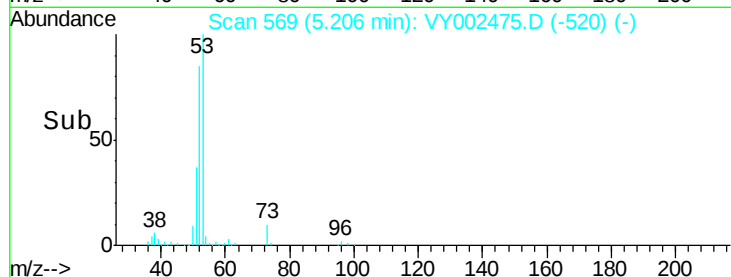
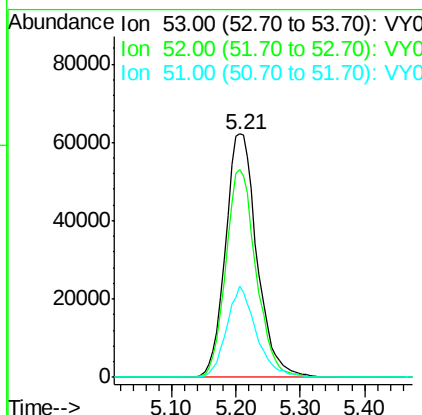
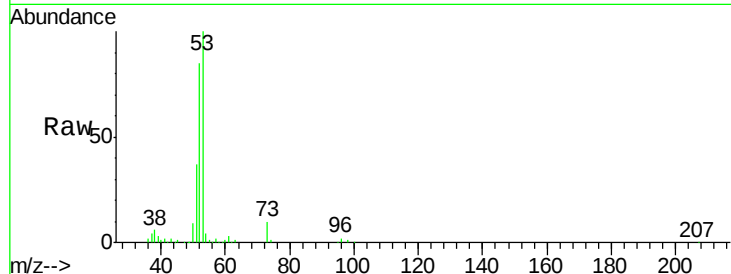
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	212853
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.4	98.2
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 288.126 ug/l

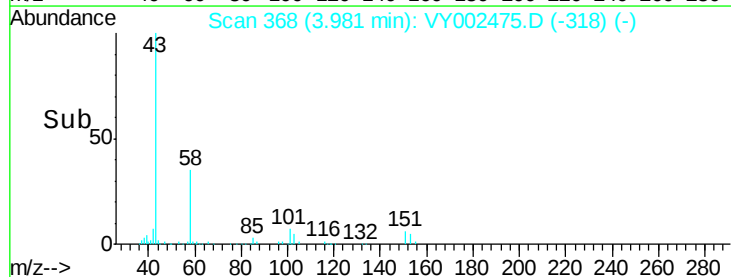
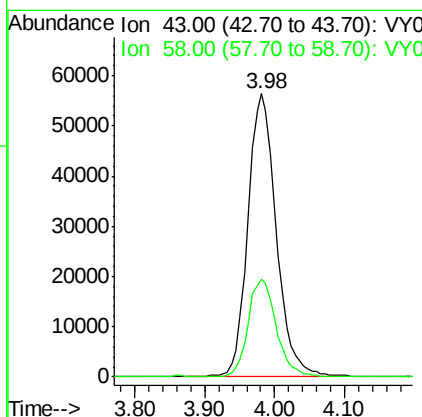
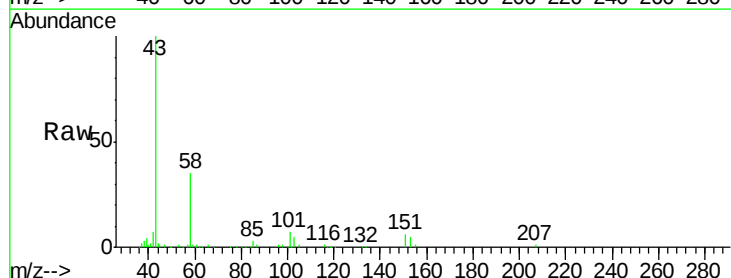
RT: 3.98 min Scan# 368

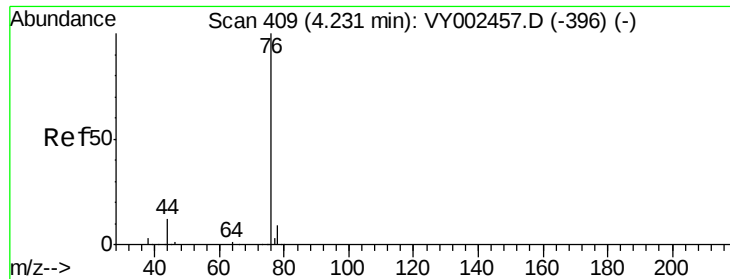
Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion:	43	Resp:	159083
Ion Ratio		Lower	Upper
43	100		
58	34.6	26.4	39.6





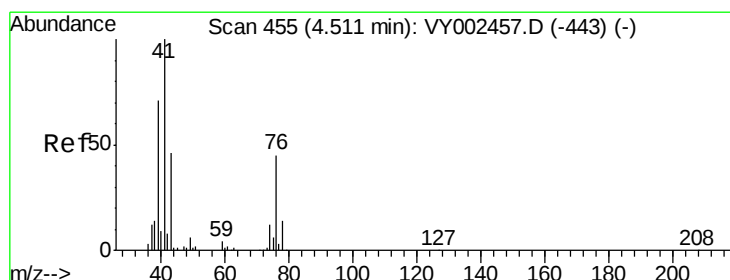
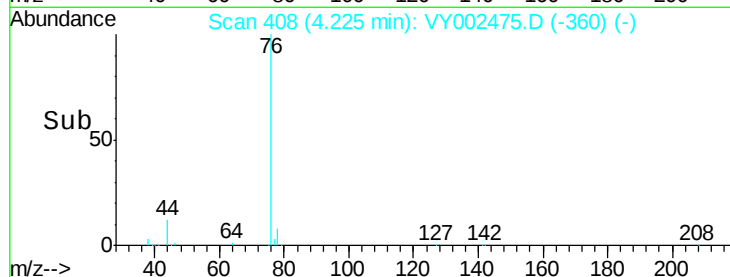
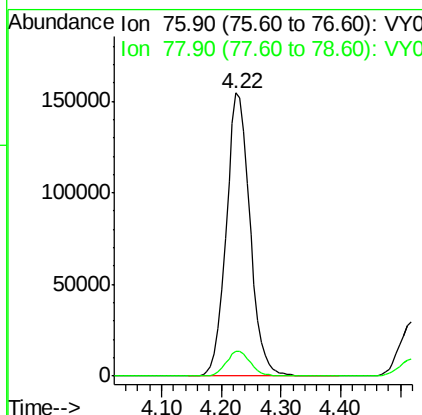
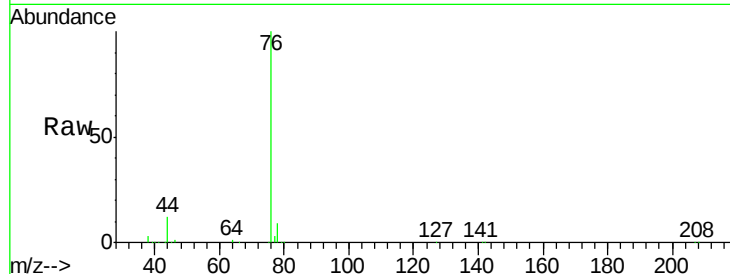
#17
Carbon Disulfide
Concen: 52.860 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

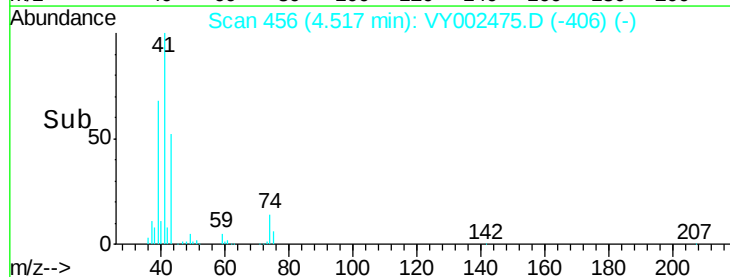
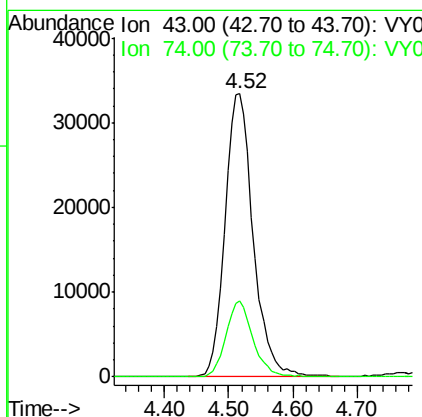
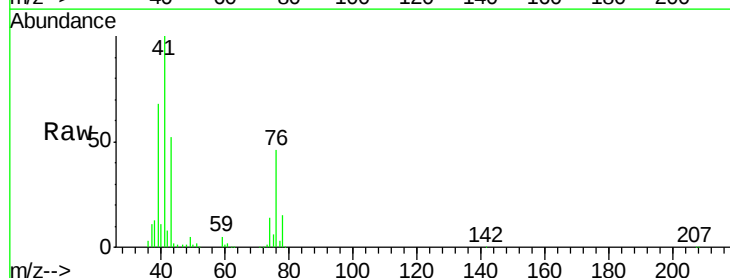
Manual Integrations
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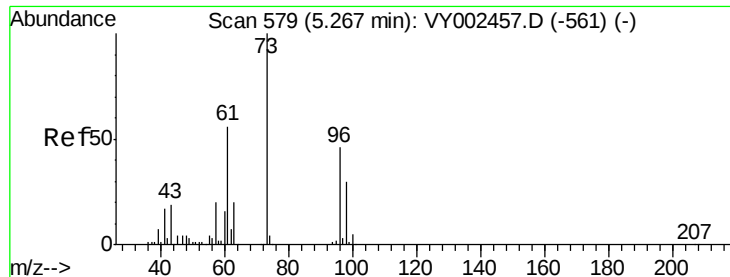
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#18
Methyl Acetate
Concen: 57.809 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	22.0	33.0





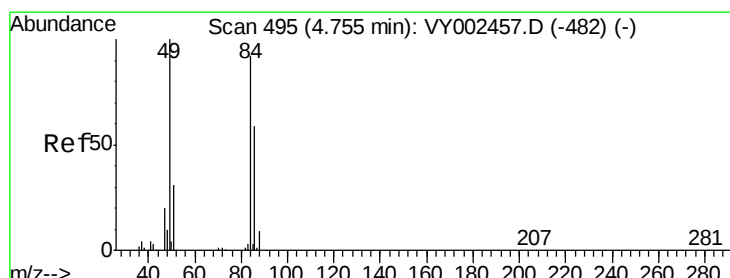
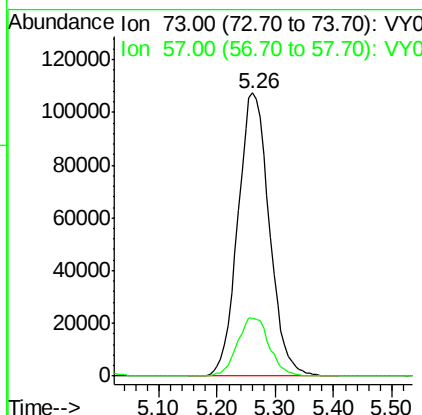
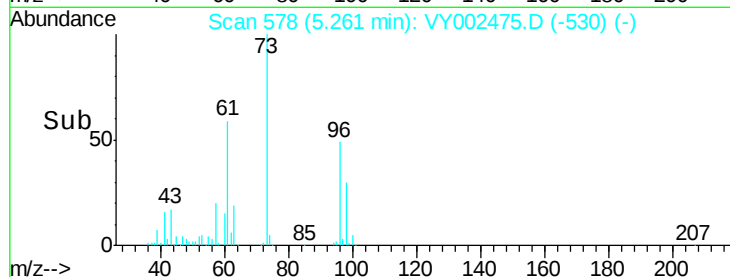
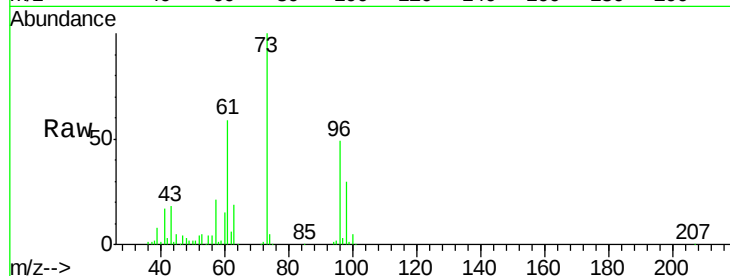
#19
Methvl tert-butvl Ether
Concen: 57.527 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 401680
Ion Ratio Lower Upper
73 100
57 20.6 16.0 24.0

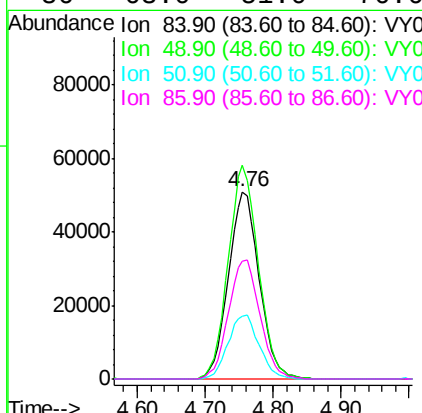
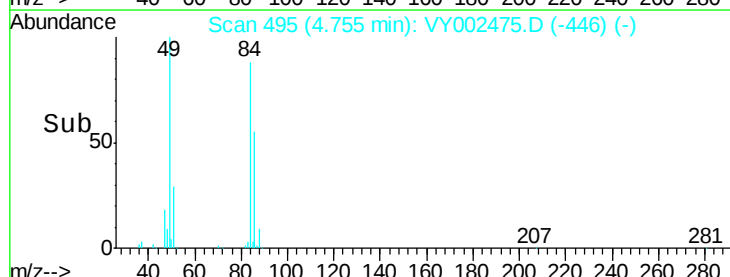
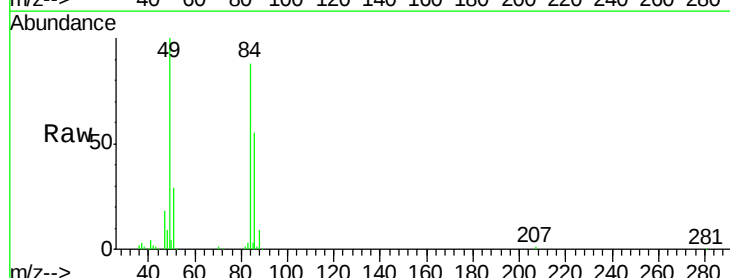
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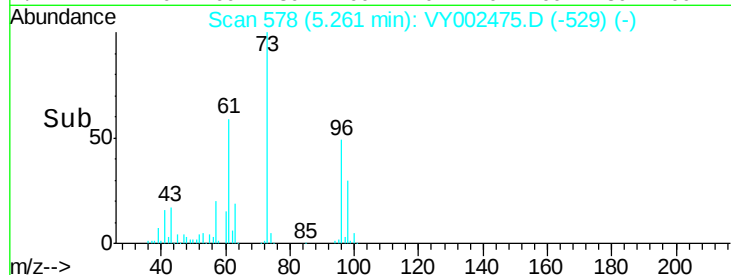
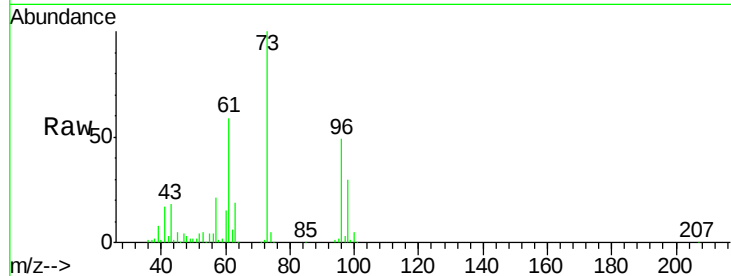
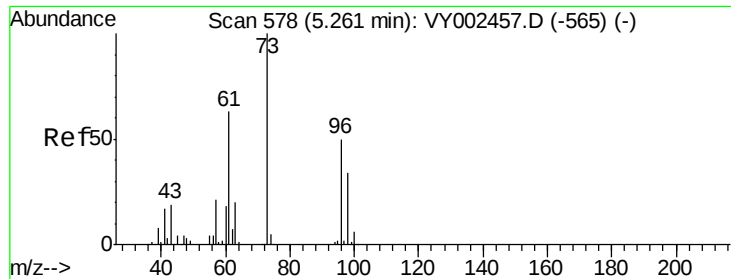
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#20
Methylene Chloride
Concen: 50.588 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion: 84 Resp: 159467
Ion Ratio Lower Upper
84 100
49 114.0 86.9 130.3
51 33.3 27.3 40.9
86 63.0 51.0 76.6





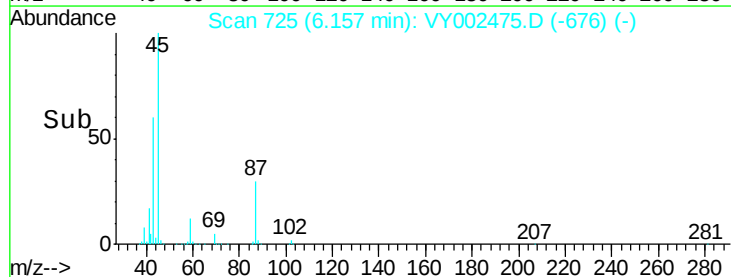
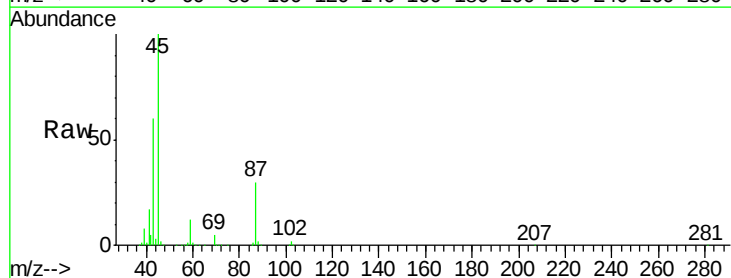
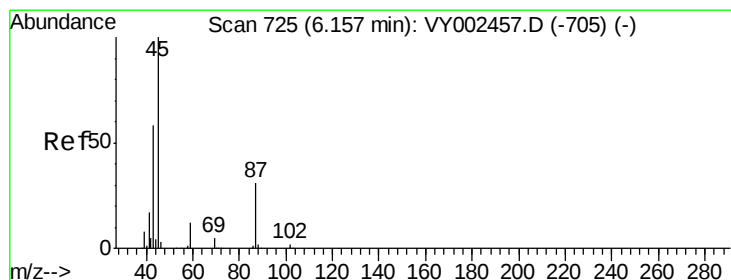
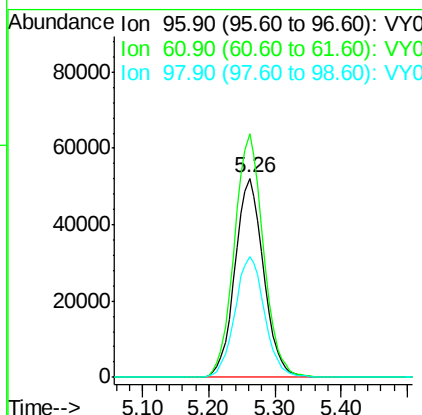
#21
trans-1,2-Dichloroethene
Concen: 53.982 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.1	101.4	152.0
98	60.7	53.6	80.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

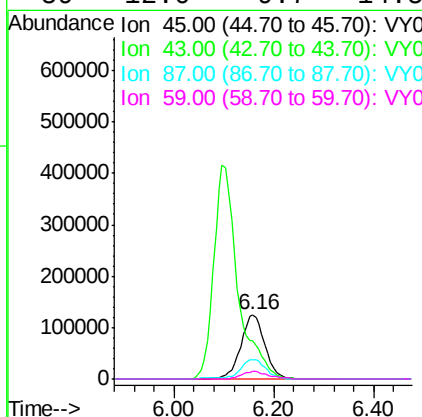
Manual Integrations
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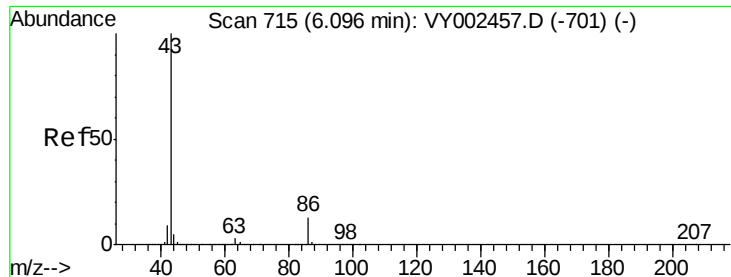
MMDadoda
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#22
Diisopropyl ether
Concen: 55.372 ug/l
RT: 6.16 min Scan# 725
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.1	70.7
87	30.2	25.0	37.6
59	12.0	9.7	14.5





#23

Vinyl Acetate

Concen: 292.239 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1396220

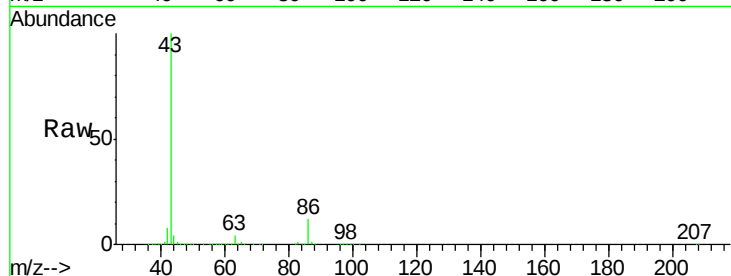
Ion Ratio Lower Upper

43 100

86 11.8 10.2 15.4

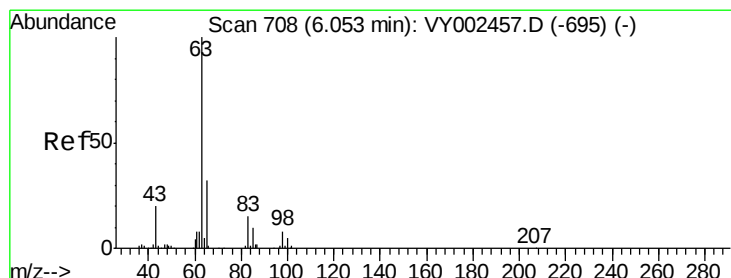
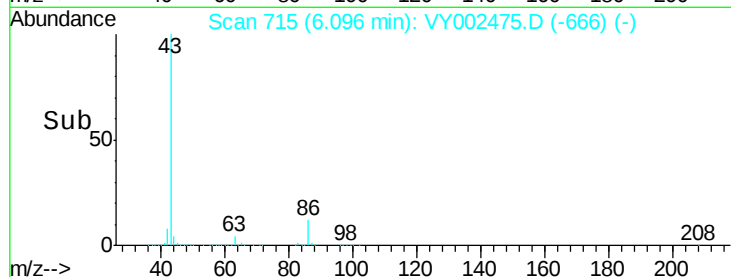
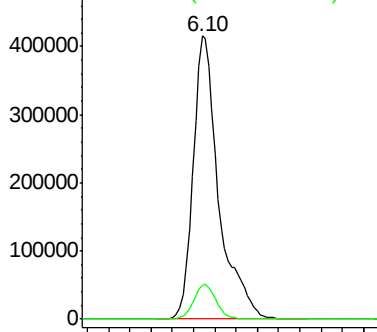
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 54.418 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

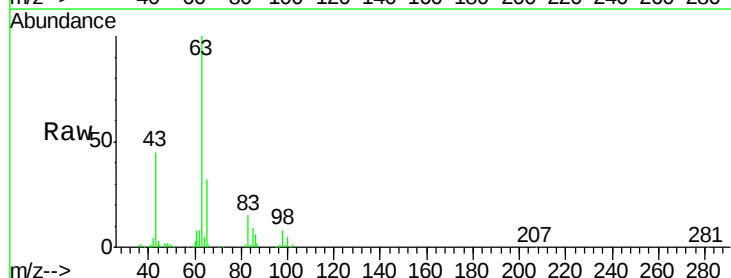
Tgt Ion: 63 Resp: 247717

Ion Ratio Lower Upper

63 100

98 7.7 4.1 12.3

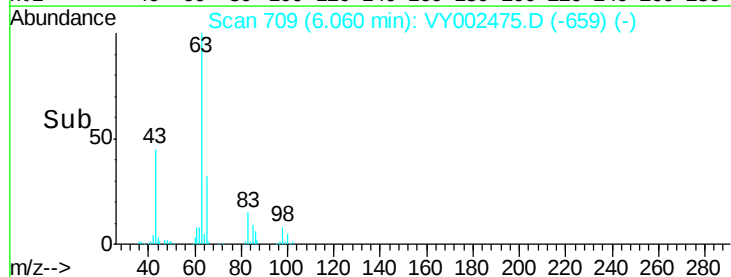
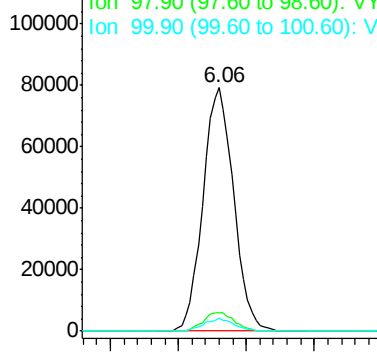
100 5.3 2.5 7.4

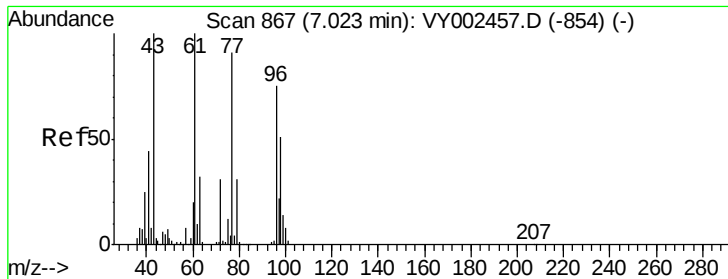


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 300.326 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 254036

Ion Ratio Lower Upper

43 100

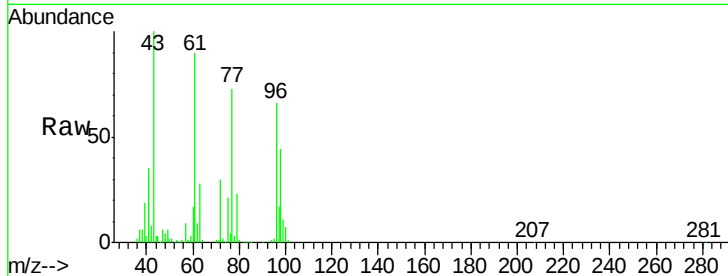
72 30.5 24.8 37.2

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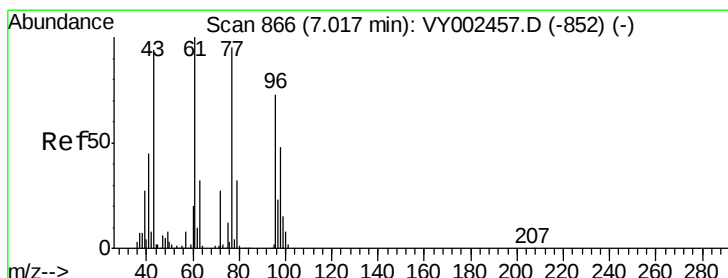
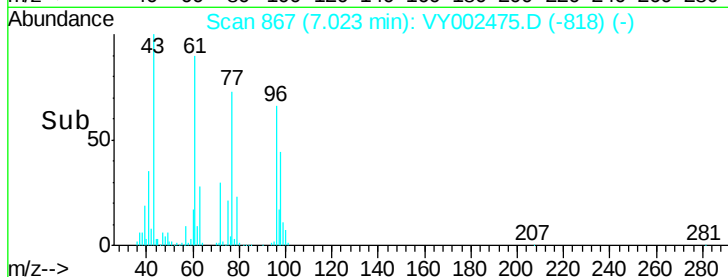
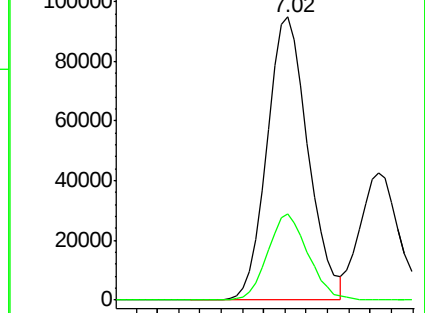
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 48.799 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002475.D

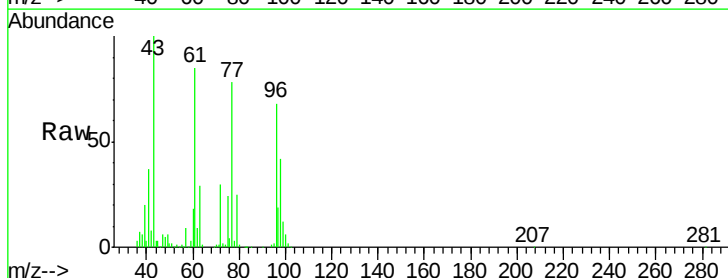
Acq: 23 Apr 2020 21:07

Tgt Ion: 77 Resp: 212446

Ion Ratio Lower Upper

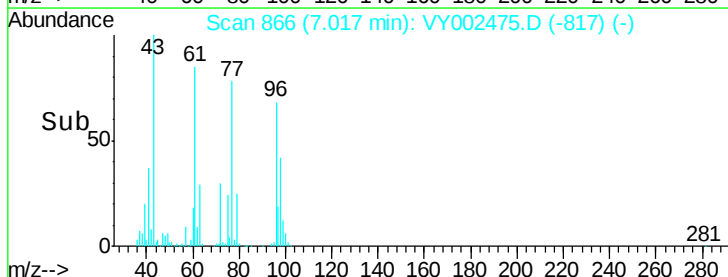
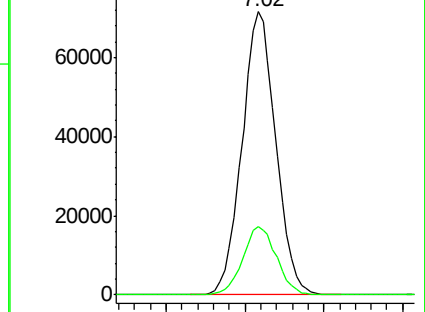
77 100

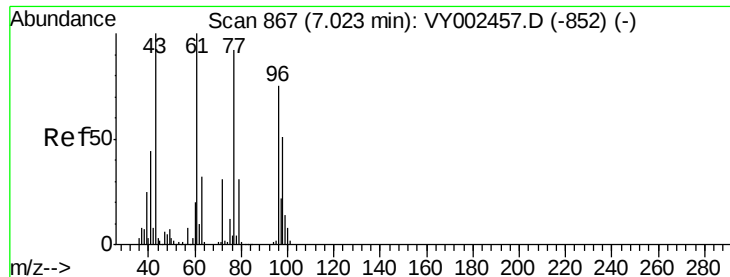
97 24.0 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

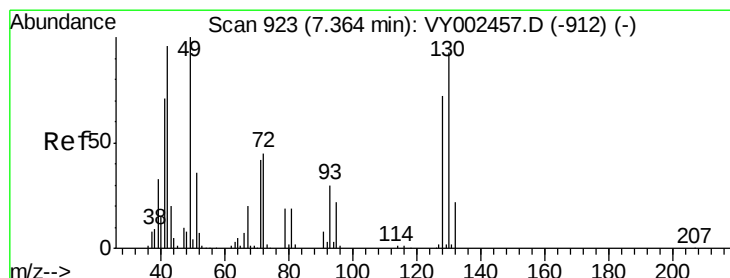
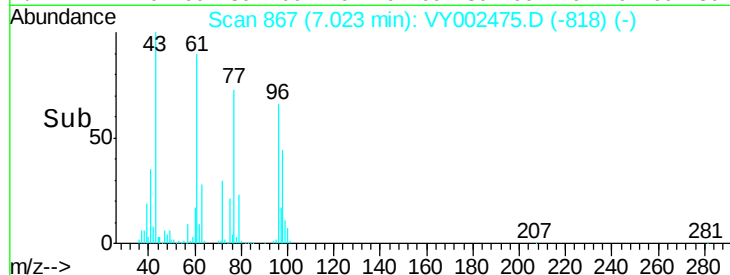
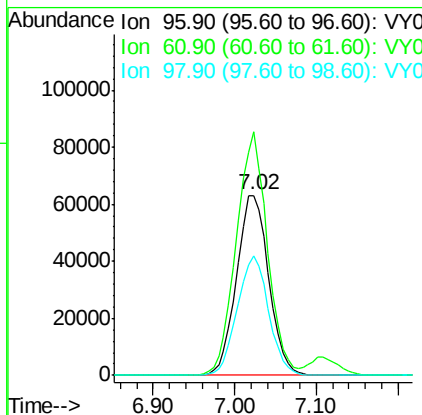
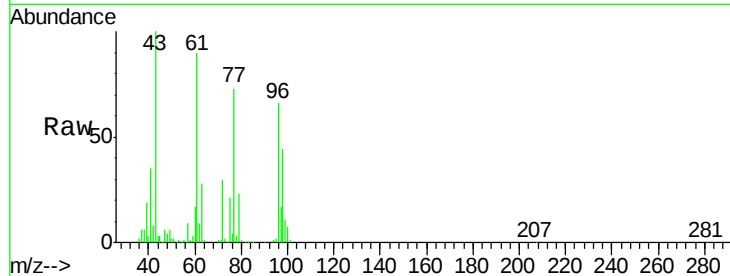
cis-1,2-Dichloroethene
Concen: 54.439 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	262.6
98	64.7	0.0	131.0

Manual Integrations
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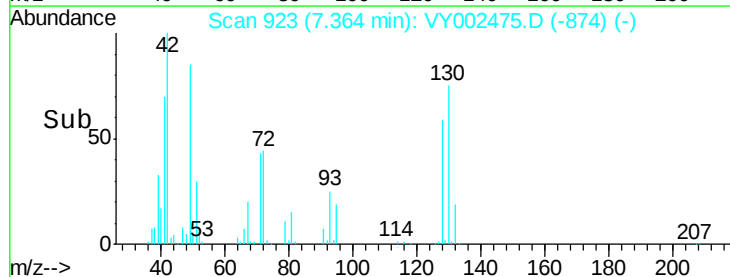
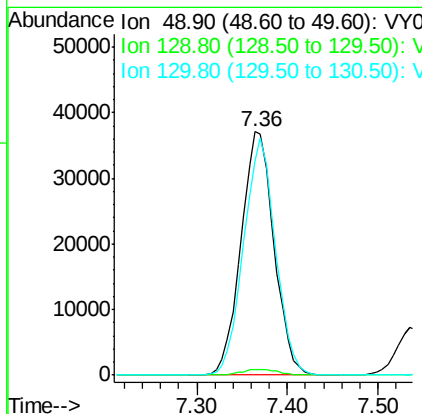
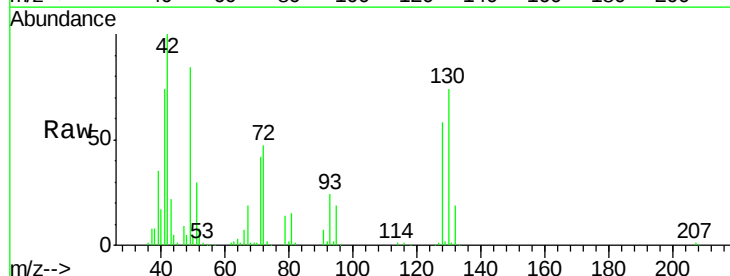
MMDadoda
4/24/2020 1:33:49 PM

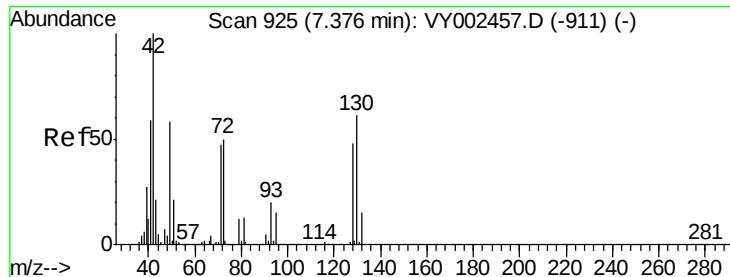


#28

Bromochloromethane
Concen: 52.732 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	93.7	76.3	114.5





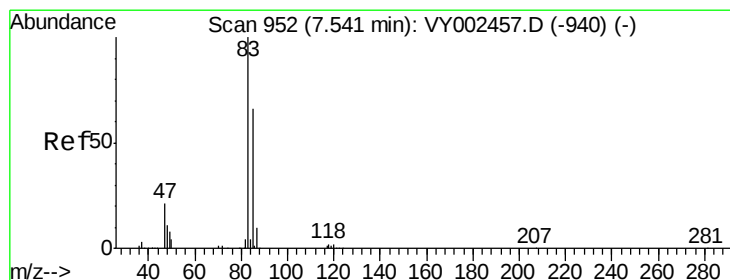
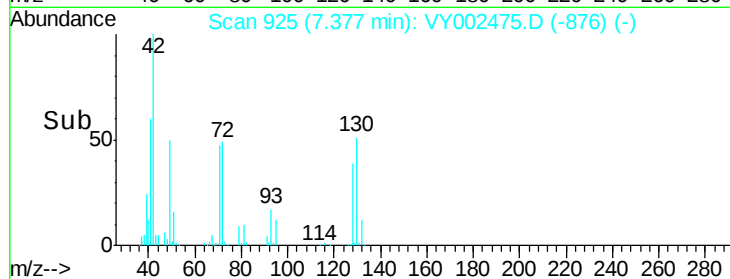
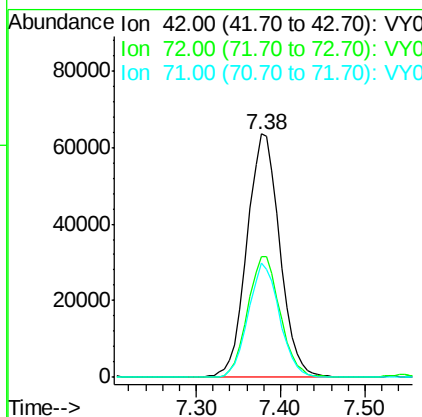
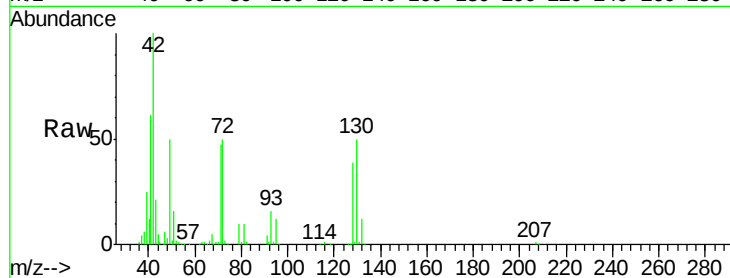
#29
Tetrahydrofuran
Concen: 300.251 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	168384
Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.5	59.3
71	44.8	37.6	56.4

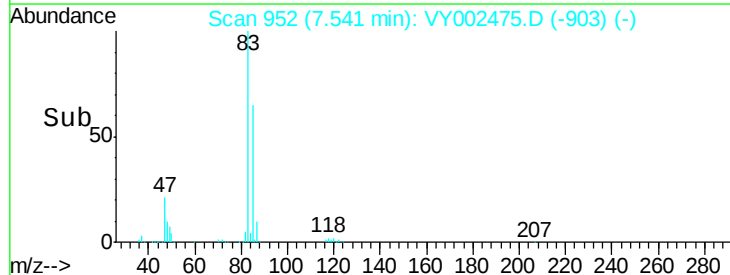
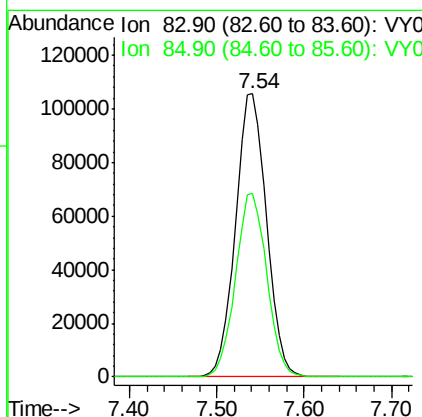
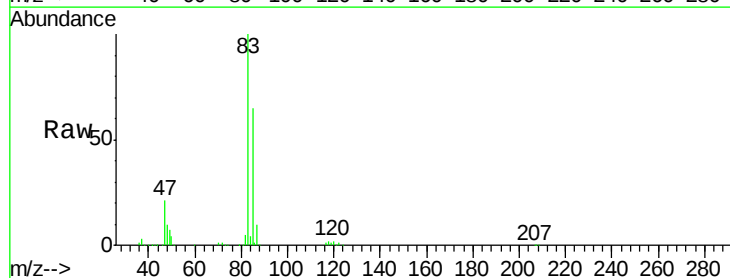
Manual Integrations
APPROVED

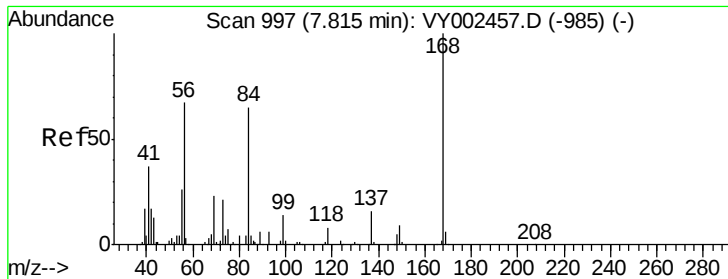
MMDadoda
4/24/2020 1:33:49 PM



#30
Chloroform
Concen: 53.675 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion:	83	Resp:	260157
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6





#31

Cyclohexane

Concen: 47.836 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 217749

Ion Ratio Lower Upper

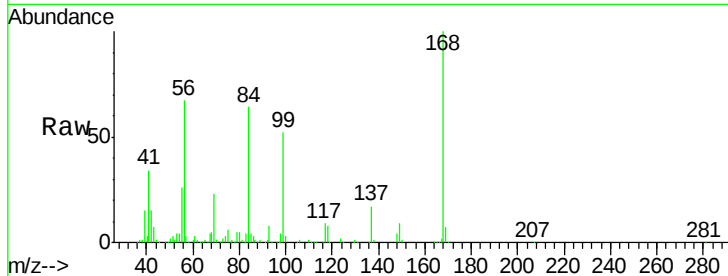
56 100

69 34.7 27.0 40.6

84 94.5 77.4 116.2

Manual Integrations
APPROVED

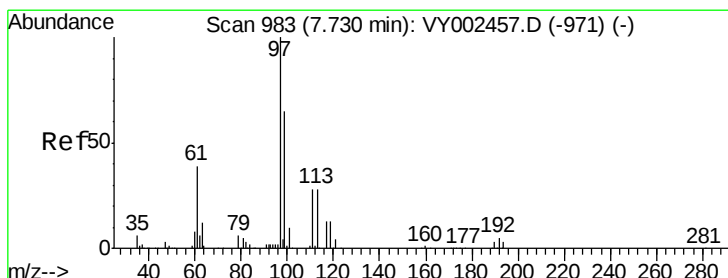
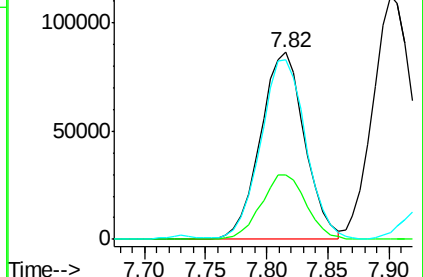
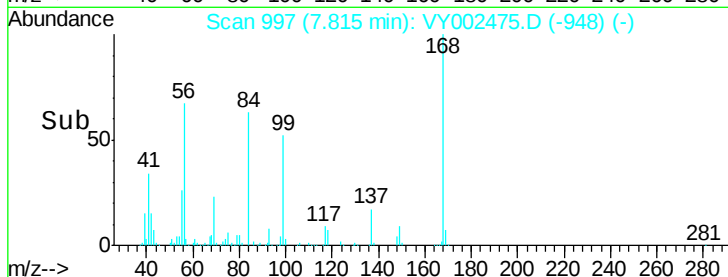
MMDadoda
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.807 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

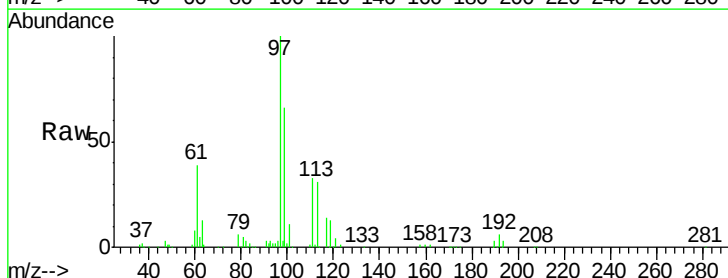
Tgt Ion: 97 Resp: 237266

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

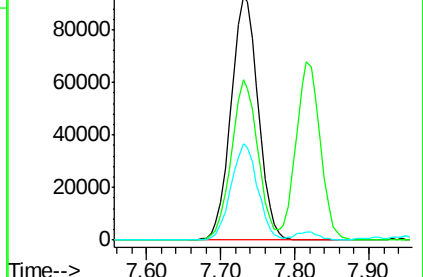
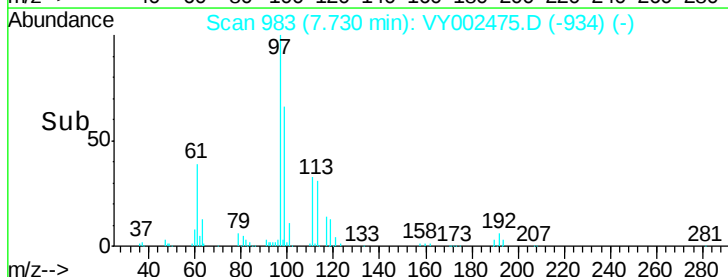
61 38.9 30.6 45.8

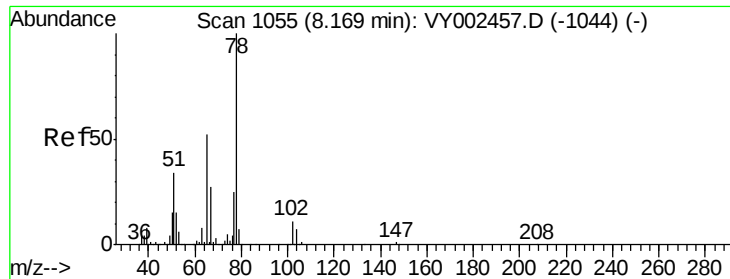


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





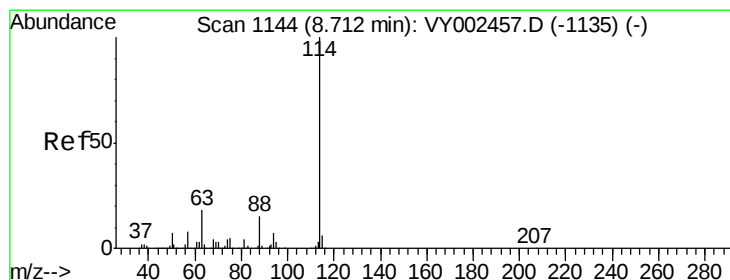
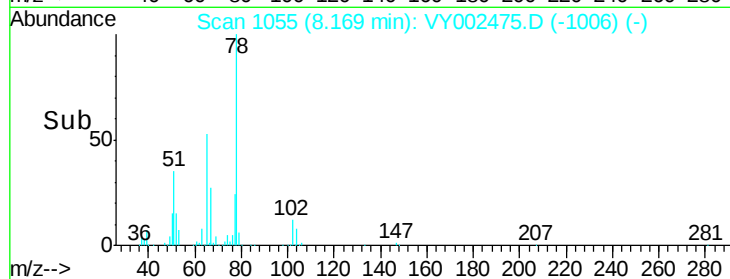
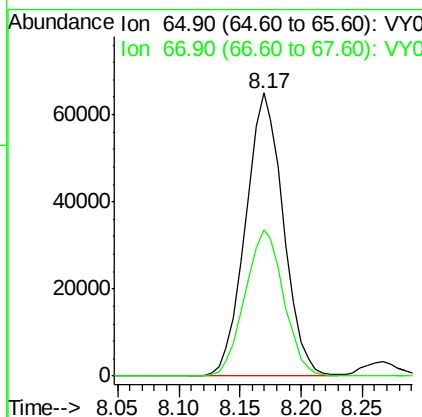
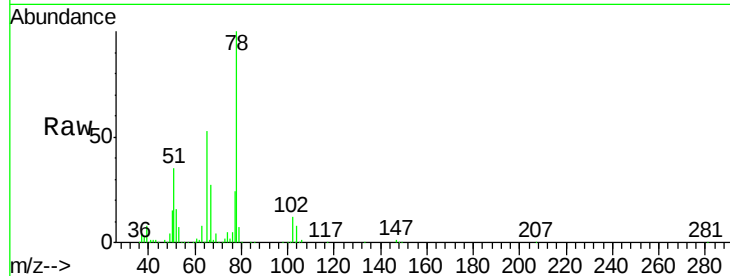
#33
 1,2-Dichloroethane-d4
 Concen: 52.796 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	104.2	

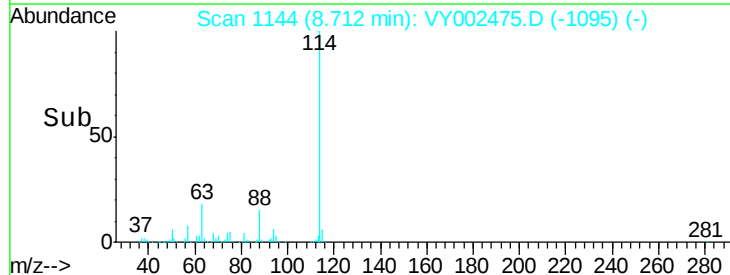
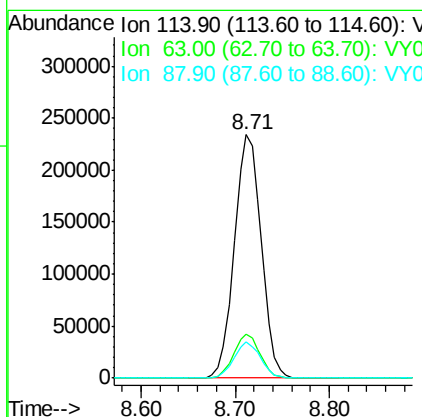
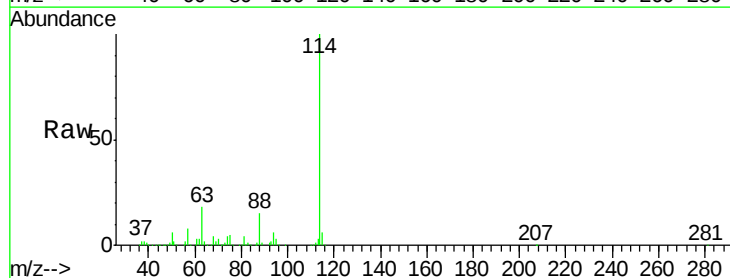
Manual Integrations
 APPROVED

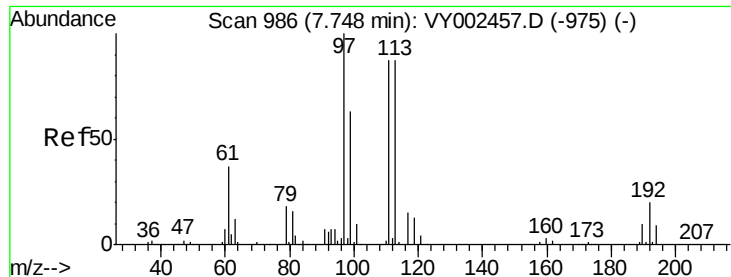
MMDadoda
 4/24/2020 1:33:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	35.6	
88	14.7	0.0	29.4	





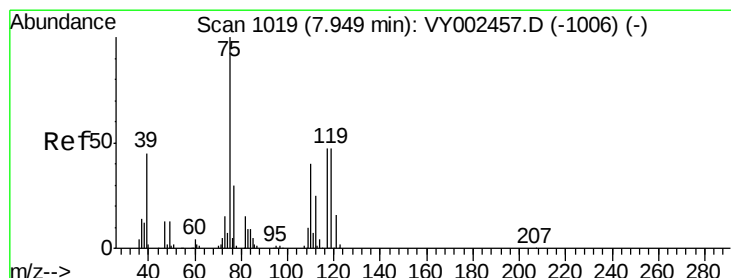
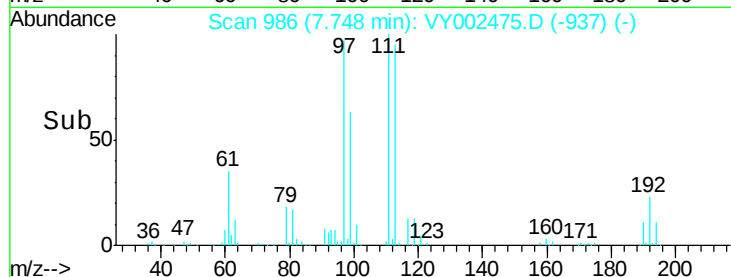
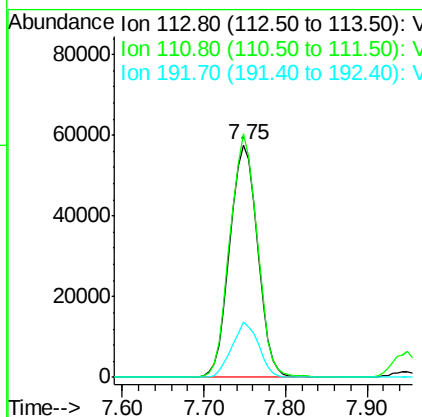
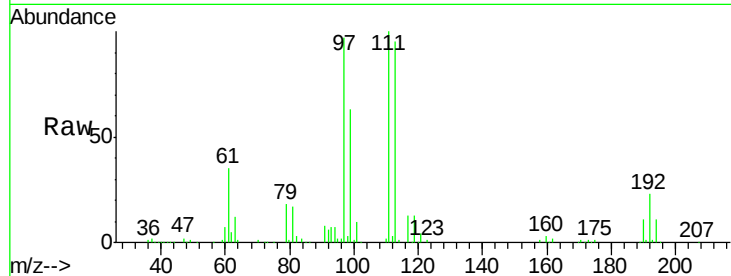
#35
 Dibromofluoromethane
 Concen: 52.186 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	22.9	18.6	27.8

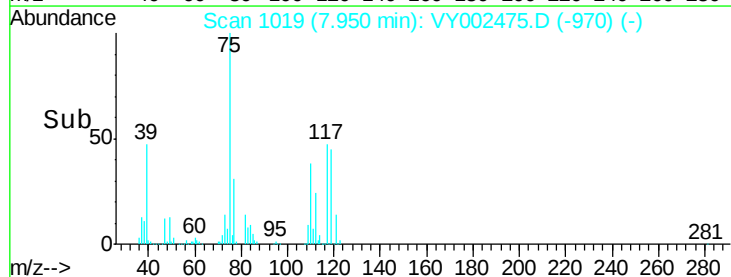
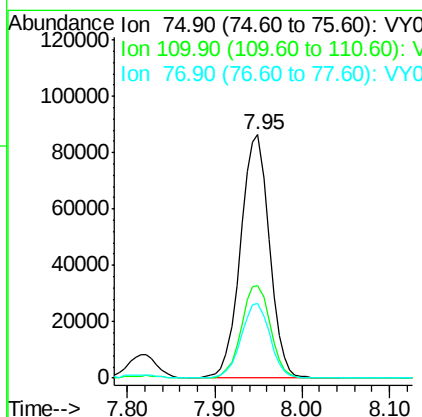
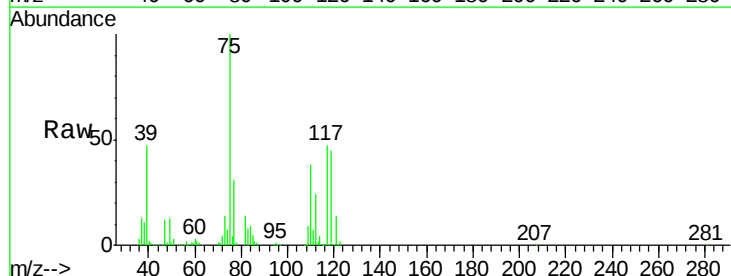
Manual Integrations
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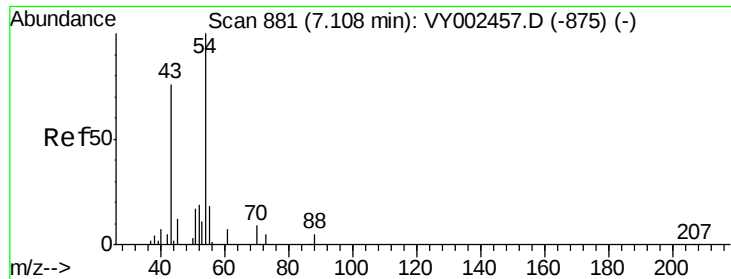
MMDadoda
 4/24/2020 1:33:49 PM



#36
 1,1-Dichloropropene
 Concen: 49.872 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.4	58.4
77	30.8	24.7	37.1





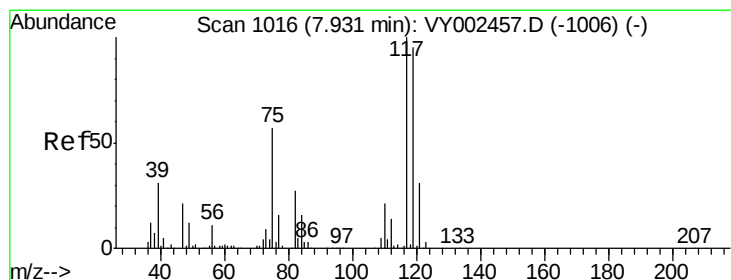
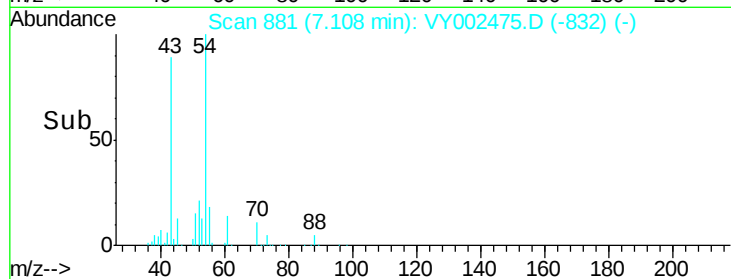
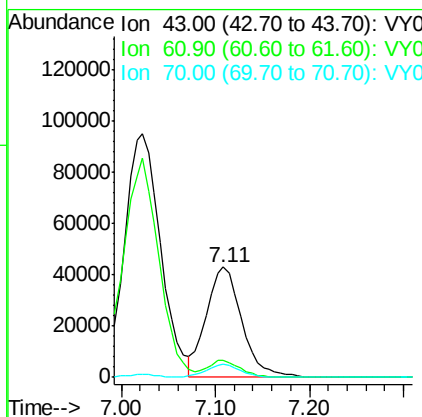
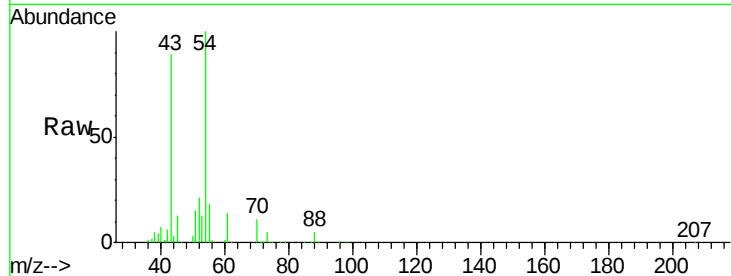
#37
Ethyl Acetate
Concen: 56.163 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	11.5	9.3	13.9

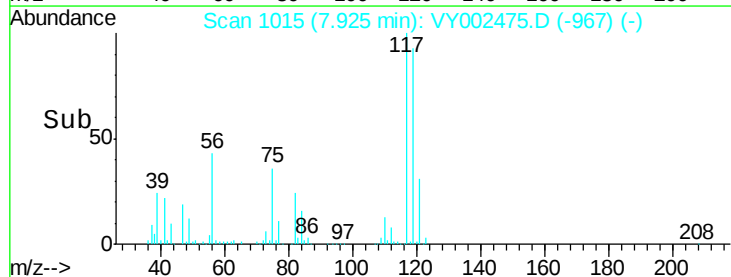
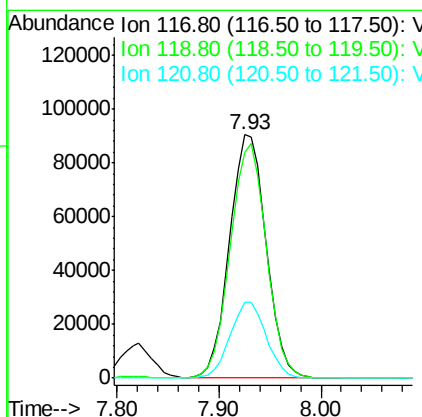
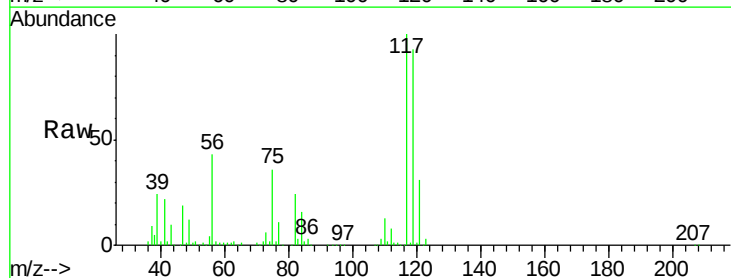
Manual Integrations
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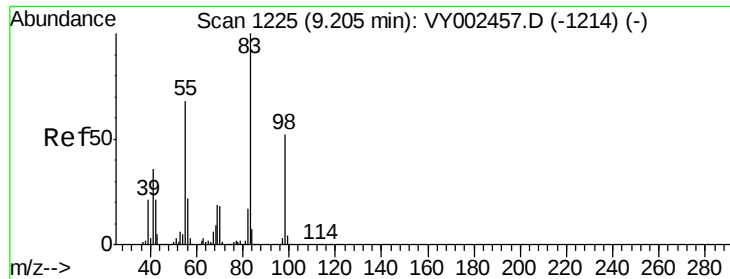
MMDadoda
4/24/2020 1:33:49 PM



#38
Carbon Tetrachloride
Concen: 49.148 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.9	113.9
121	31.1	24.5	36.7





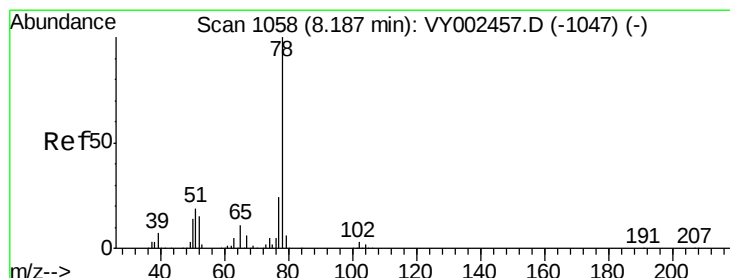
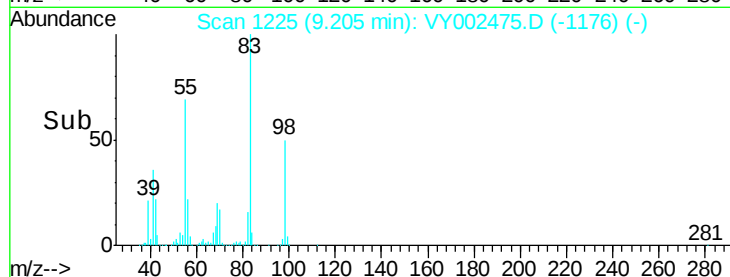
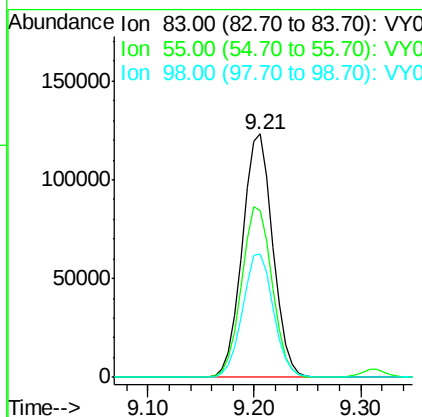
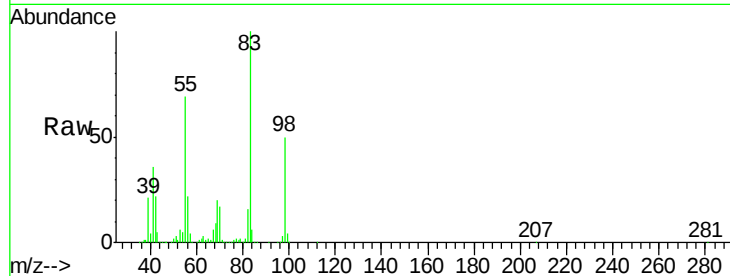
#39
Methvlcvclohexane
Concen: 48.067 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	249043
Ion Ratio	Lower	Upper	
83	100		
55	68.7	54.2	81.2
98	50.4	41.9	62.9

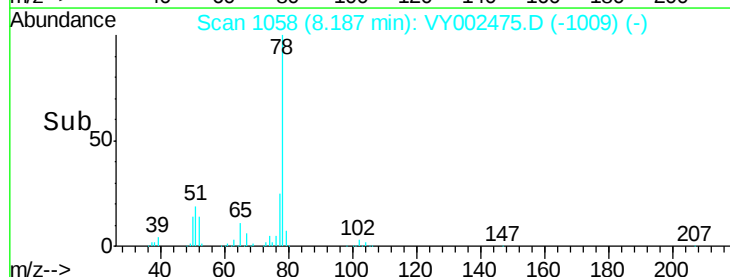
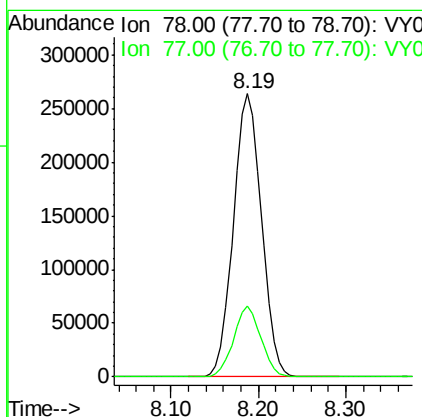
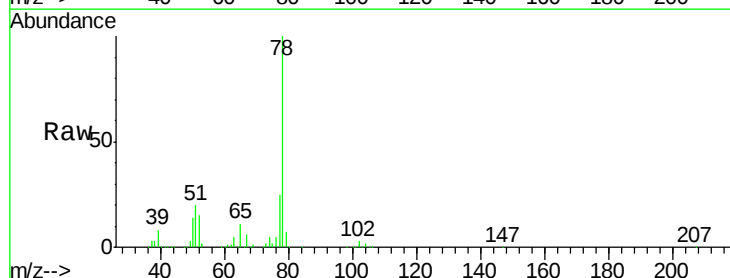
Manual Integrations
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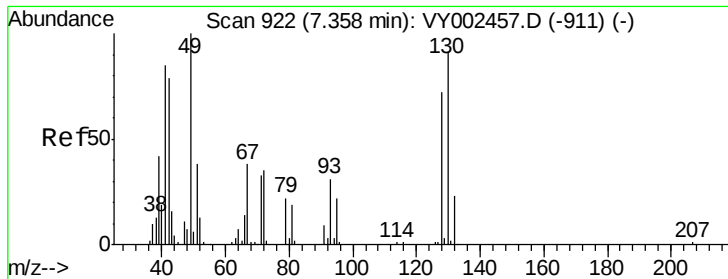
MMDadoda
4/24/2020 1:33:49 PM



#40
Benzene
Concen: 51.358 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	78	Resp	589584
Ion Ratio	Lower	Upper	
78	100		
77	25.3	19.4	29.0





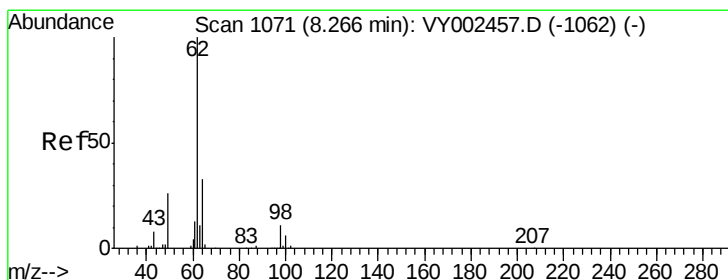
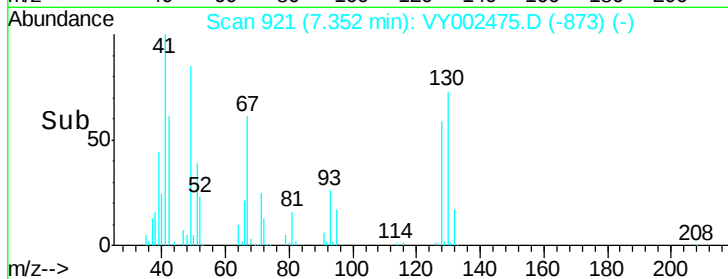
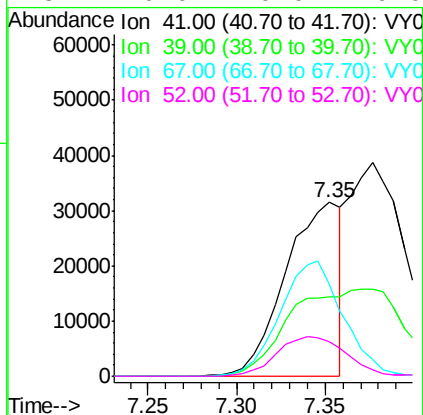
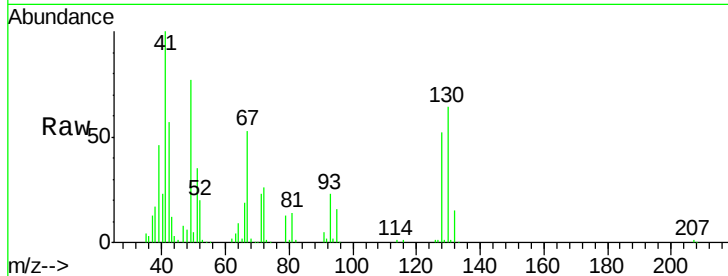
#41
Methacrylonitrile
Concen: 56.553 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	69523
Ion	Ratio	Lower	Upper
41	100		
39	102.9	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

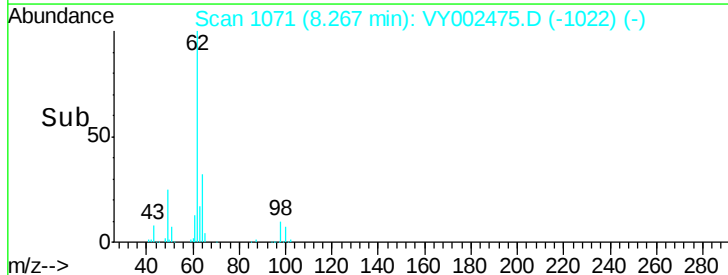
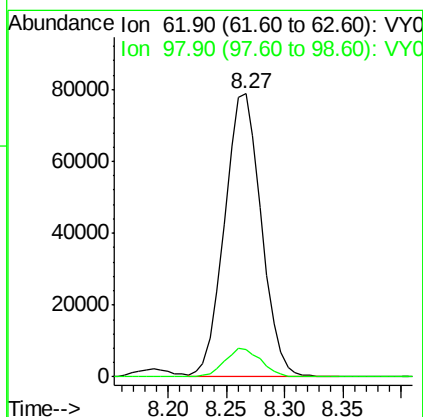
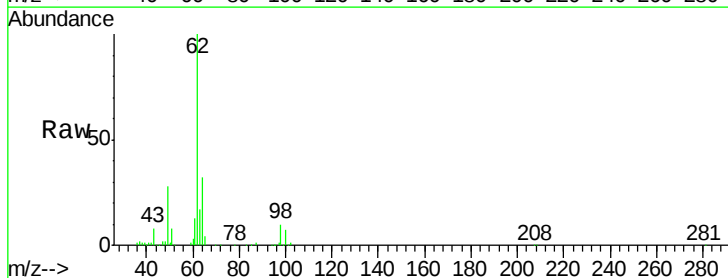
Manual Integrations
APPROVED

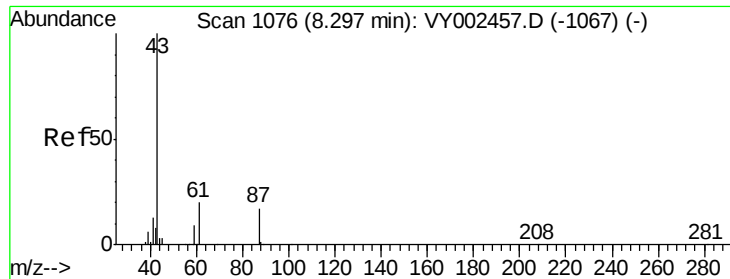
MMDadoda
4/24/2020 1:33:49 PM



#42
1,2-Dichloroethane
Concen: 51.842 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion:	62	Resp:	172882
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 56.035 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

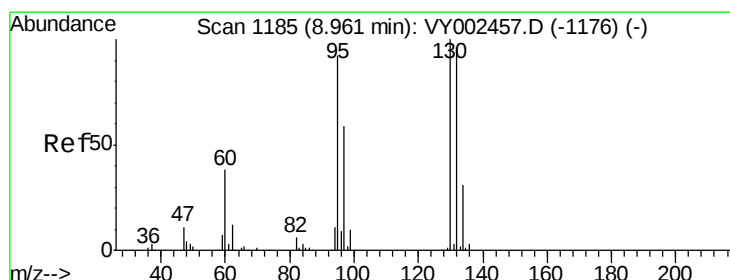
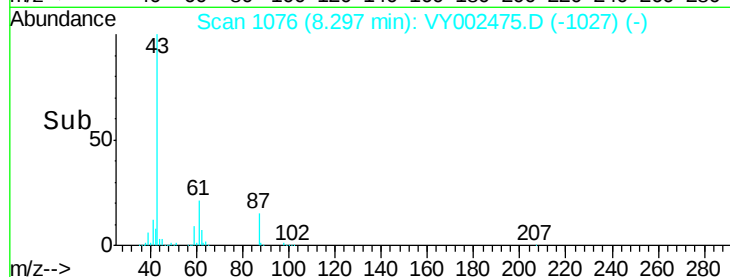
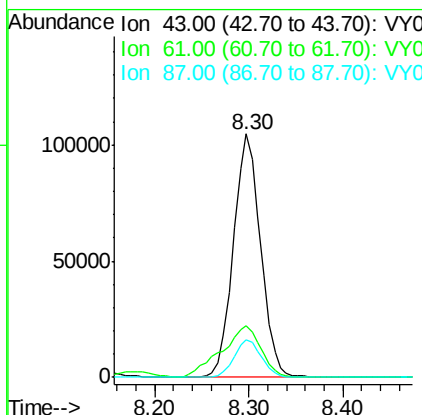
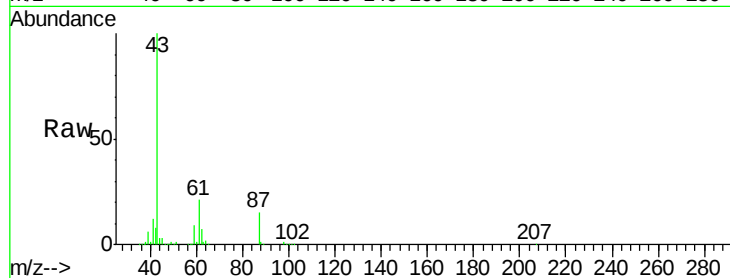
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	209125
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.0	37.4
87	15.6	13.0	19.4

Manual Integrations
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MMDadoda
4/24/2020 1:33:49 PM



#44

Trichloroethene

Concen: 50.871 ug/l

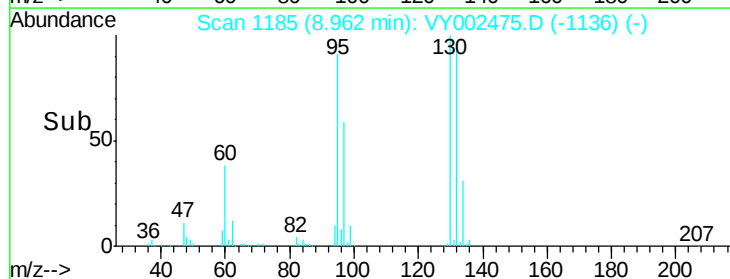
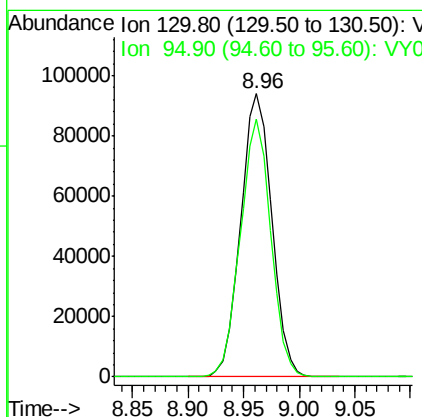
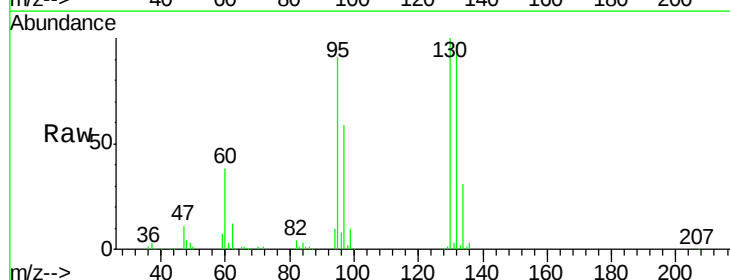
RT: 8.96 min Scan# 1185

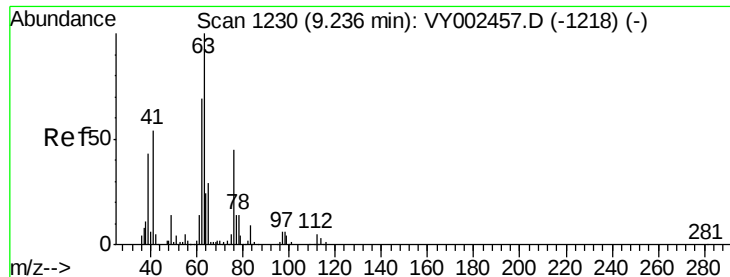
Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion:	130	Resp:	182605
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	184.2





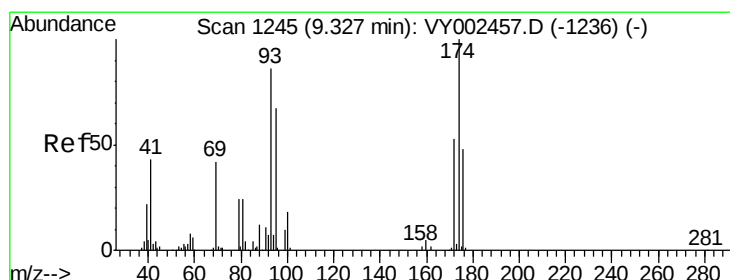
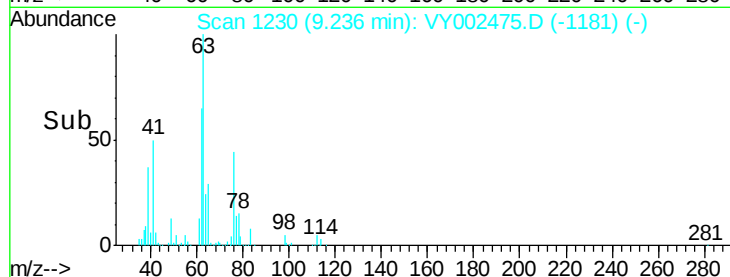
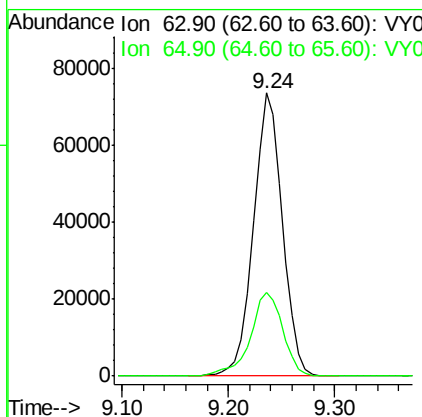
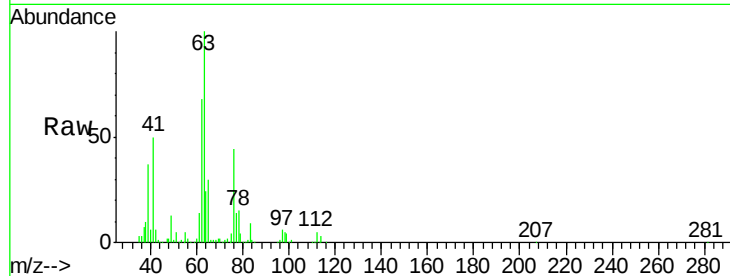
#45
 1,2-Dichloropropane
 Concen: 53.042 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.4	35.0

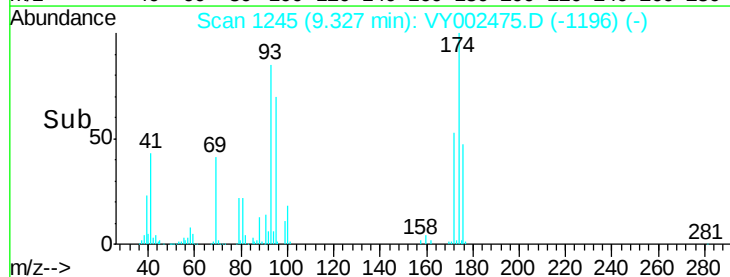
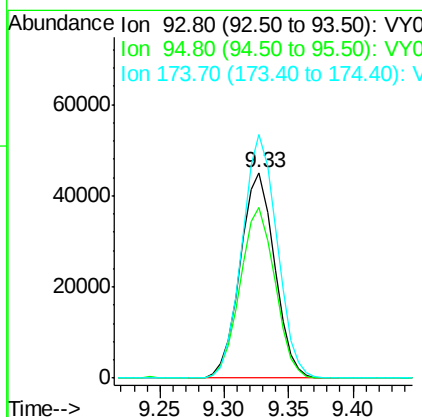
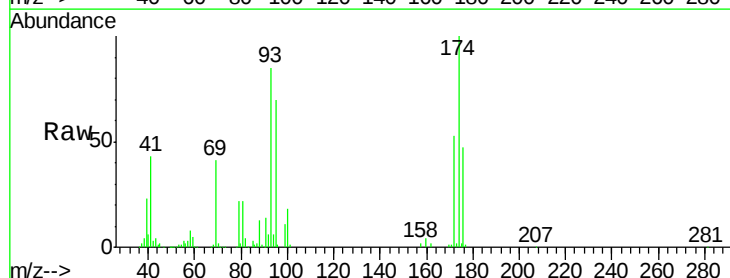
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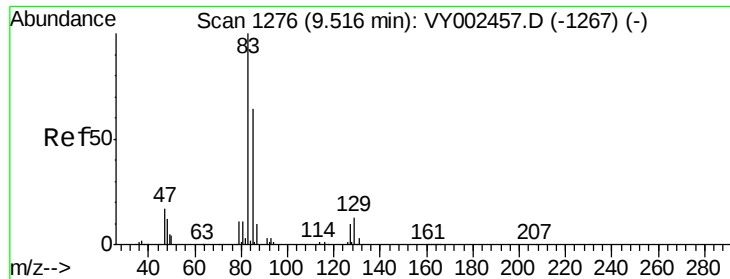
MMDadoda
 4/24/2020 1:33:49 PM



#46
 Dibromomethane
 Concen: 53.882 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.4	98.0
174	120.1	94.8	142.2





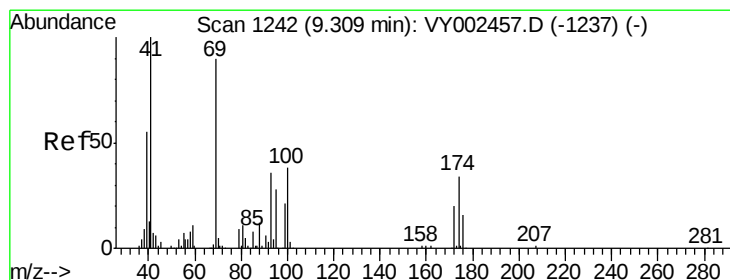
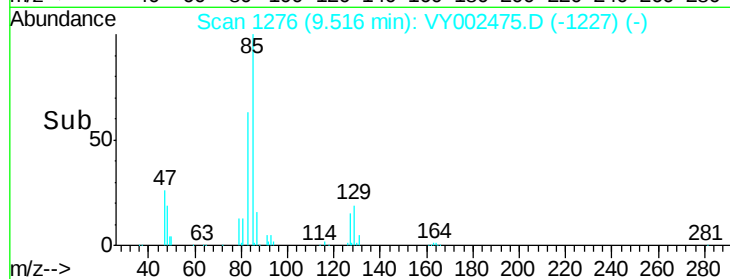
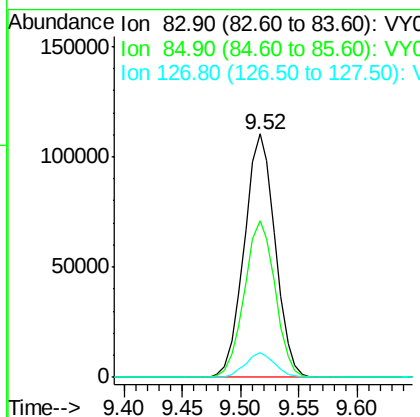
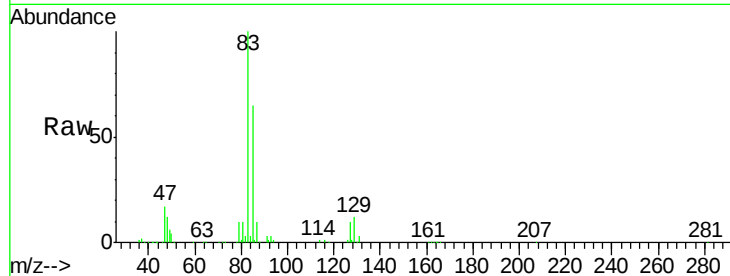
#47
Bromodichloromethane
Concen: 52.771 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	204279
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	10.0	7.7	11.5

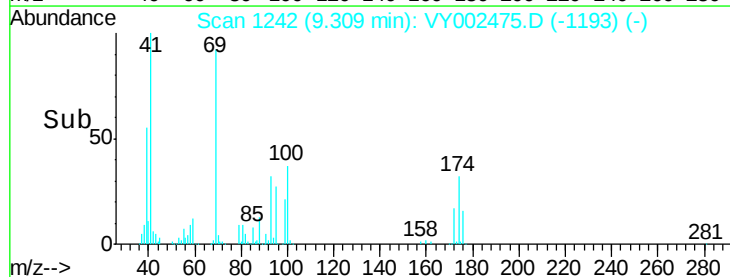
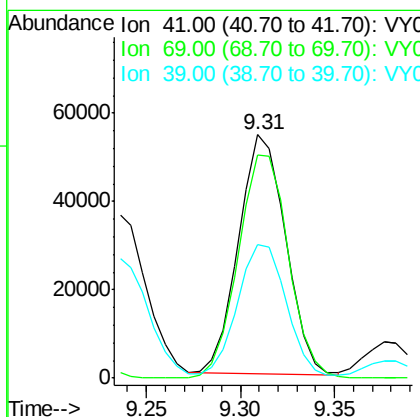
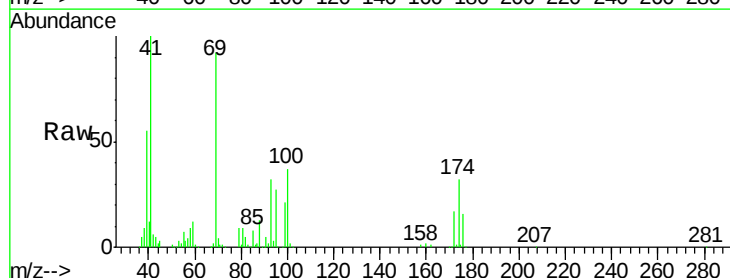
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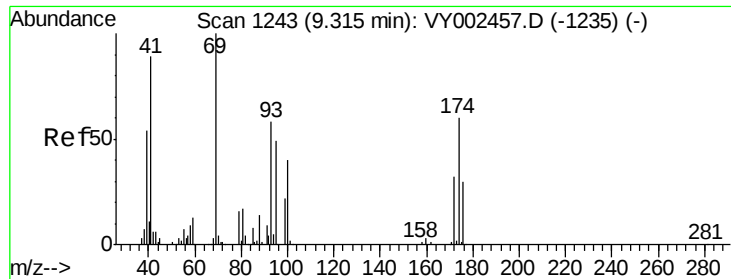
MMDadoda
4/24/2020 1:33:49 PM



#48
Methyl methacrylate
Concen: 55.463 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion:	41	Resp:	94493
Ion	Ratio	Lower	Upper
41	100		
69	99.2	77.9	116.9
39	58.5	47.9	71.9





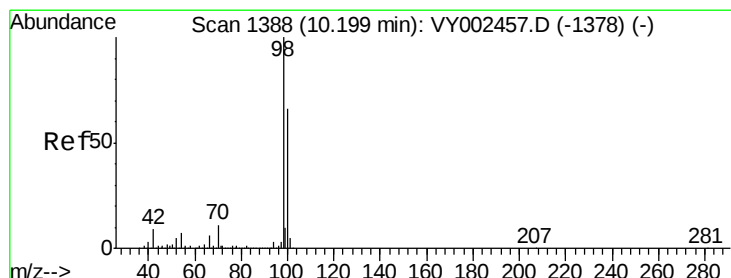
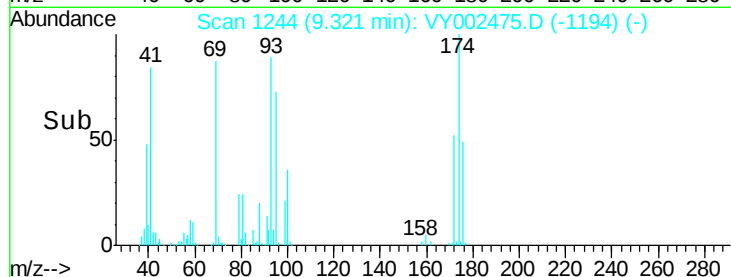
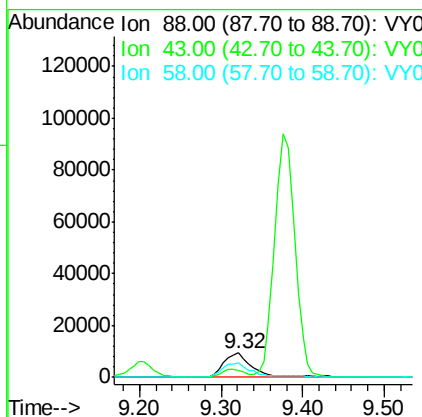
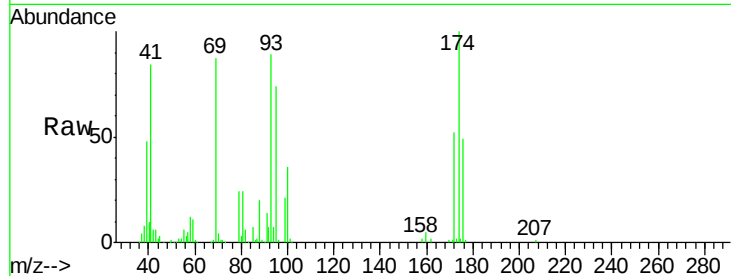
#49
1,4-Dioxane
Concen: 1215.625 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	23981
Ion	Ratio	Lower	Upper
88	100		
43	24.0	22.9	34.3
58	55.3	49.5	74.3

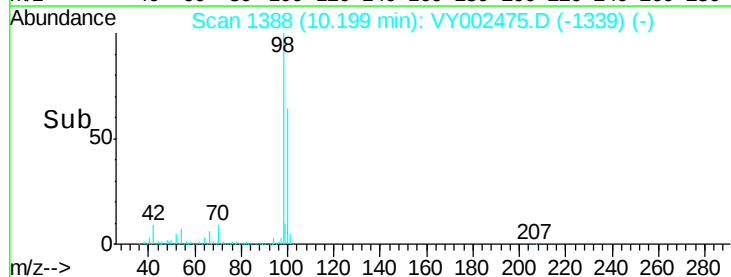
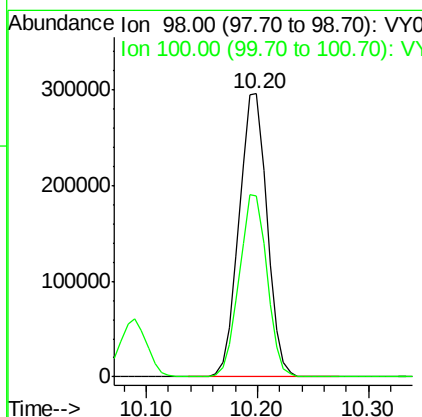
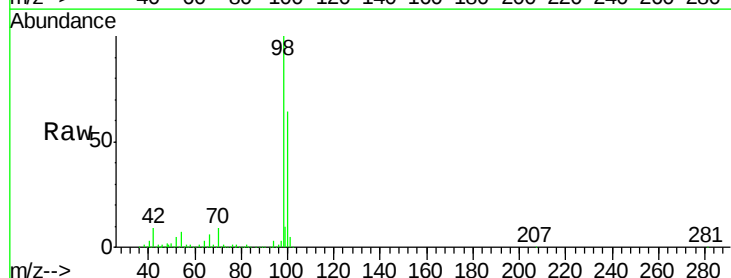
Manual Integrations
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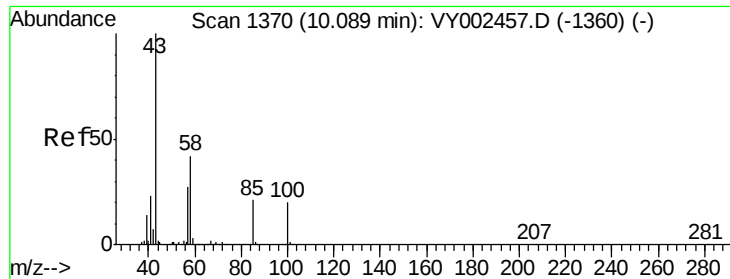
MMDadoda
4/24/2020 1:33:49 PM



#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	98	Resp	516251
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





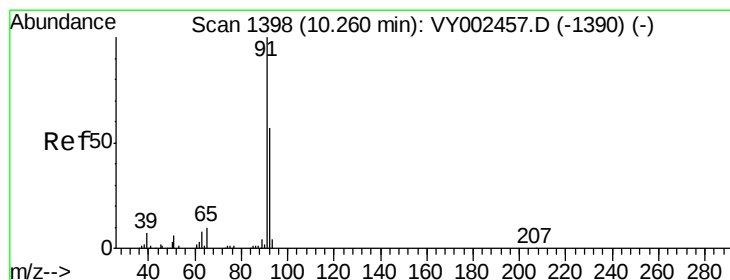
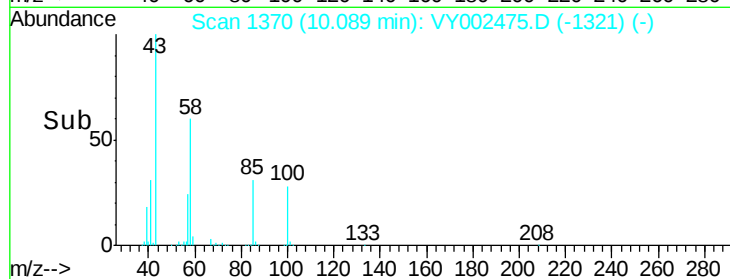
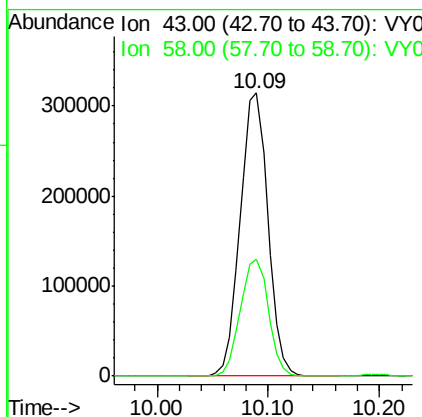
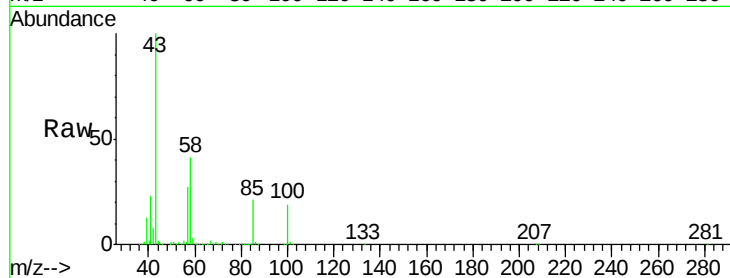
#51
4-Methyl-2-Pentanone
Concen: 281.109 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	544918
Ion Ratio	100	Lower	Upper
43	100		
58	41.8	33.2	49.8

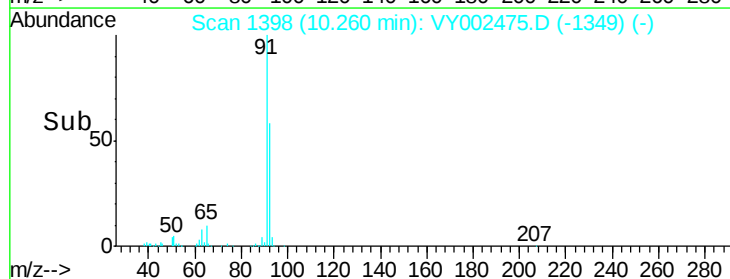
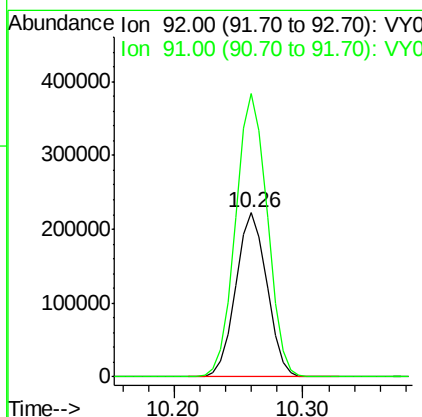
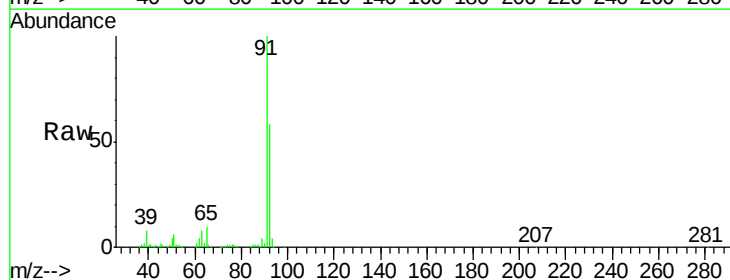
Manual Integrations
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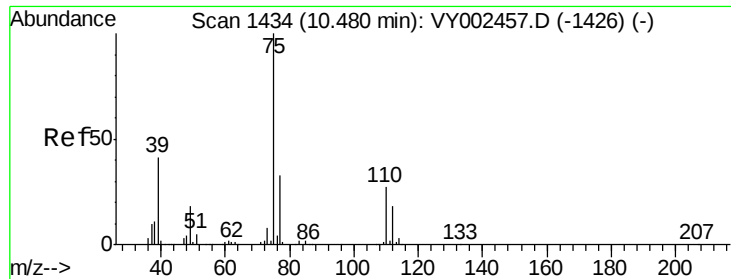
MMDadoda
4/24/2020 1:33:49 PM



#52
Toluene
Concen: 50.394 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	92	Resp	372393
Ion Ratio	100	Lower	Upper
92	100		
91	175.5	140.2	210.2





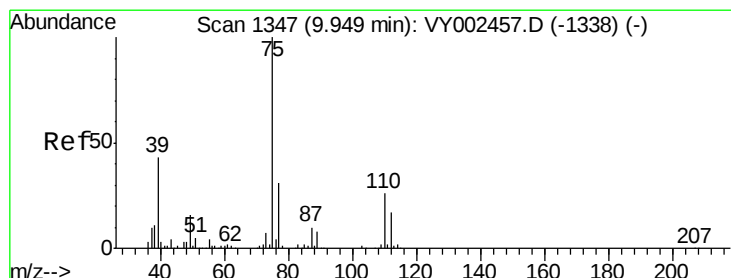
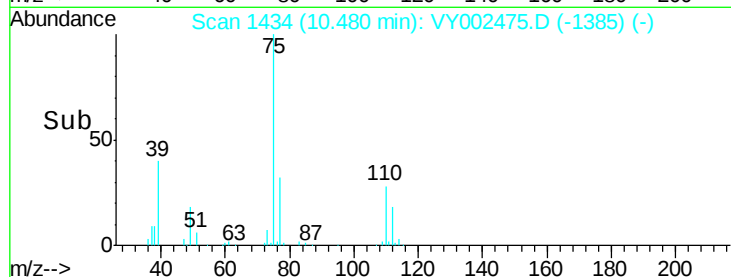
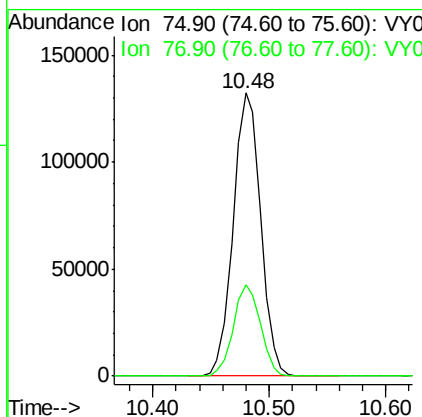
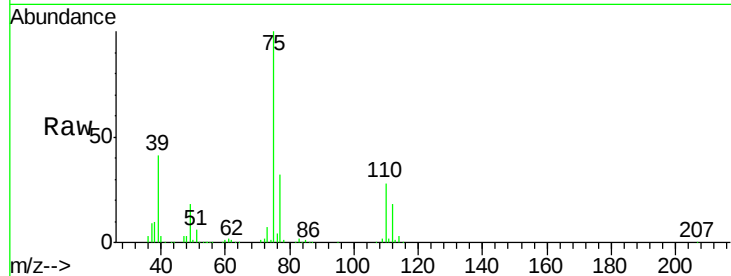
#53
 t-1,3-Dichloropropene
 Concen: 53.494 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.4	39.6

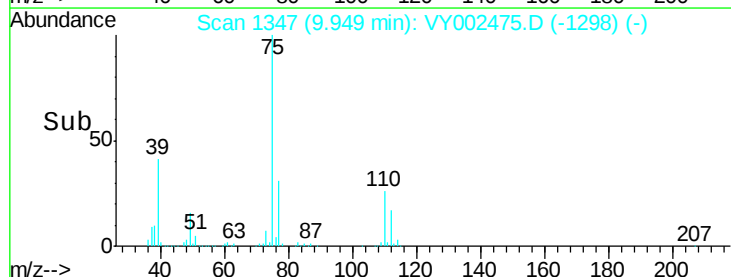
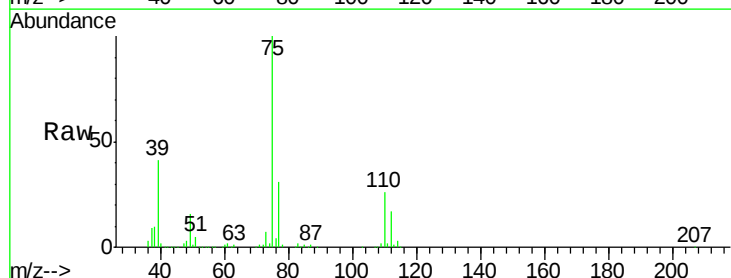
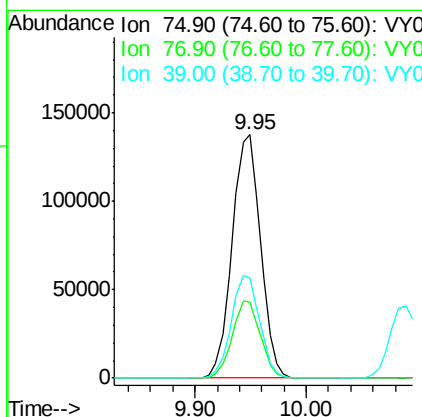
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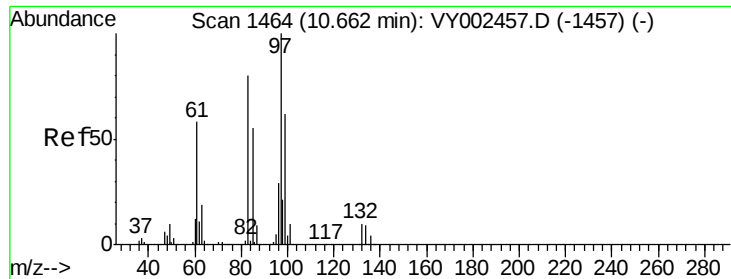
MMDadoda
 4/24/2020 1:33:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.274 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	41.3	34.2	51.2





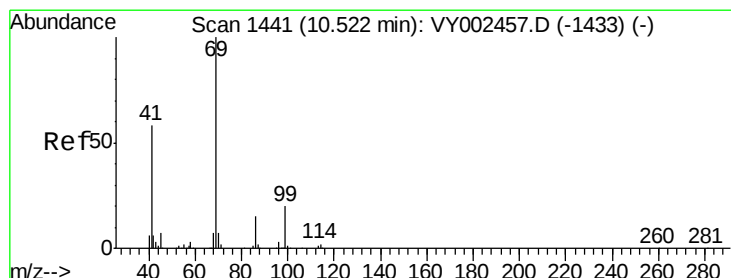
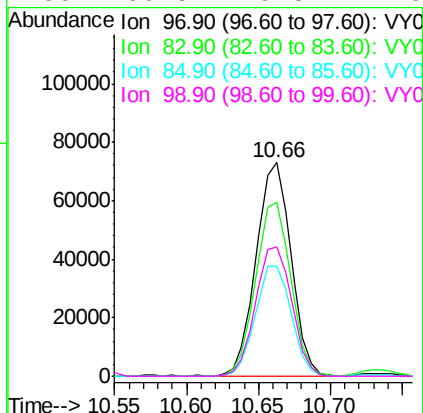
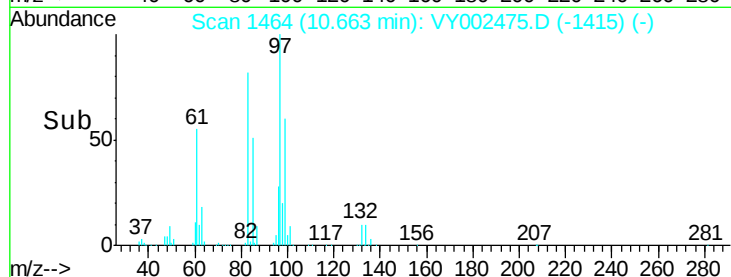
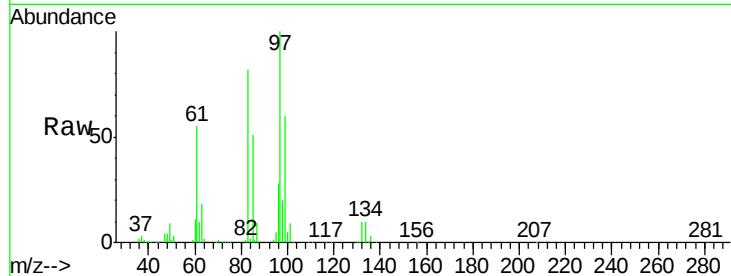
#55
 1,1,2-Trichloroethane
 Concen: 53.587 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122647		
83	81.5	63.8	95.8		
85	51.3	43.9	65.9		
99	60.5	49.8	74.6		

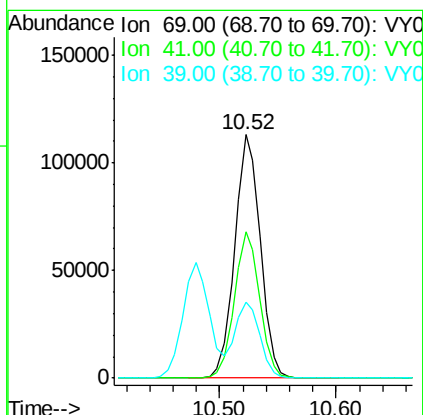
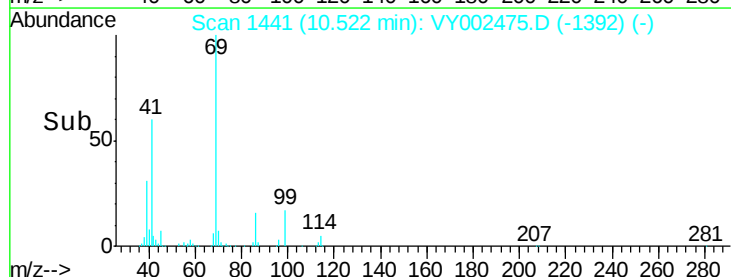
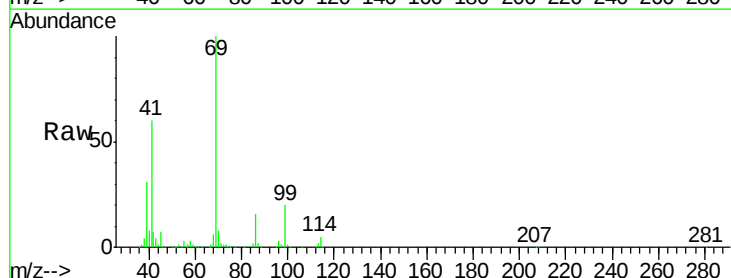
Manual Integrations
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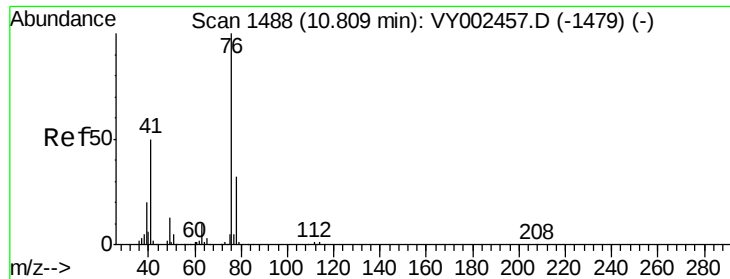
MMDadoda
 4/24/2020 1:33:49 PM



#56
 Ethyl methacrylate
 Concen: 55.227 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		172712		
41	59.3	47.5	71.3		
39	30.3	25.7	38.5		





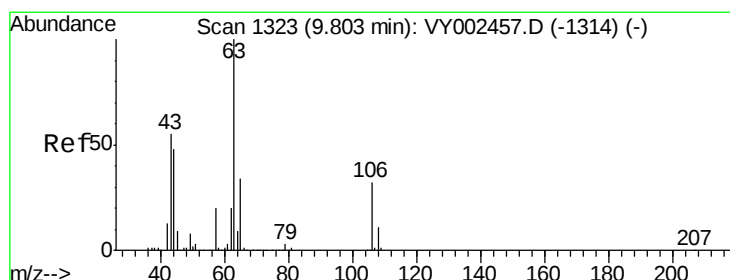
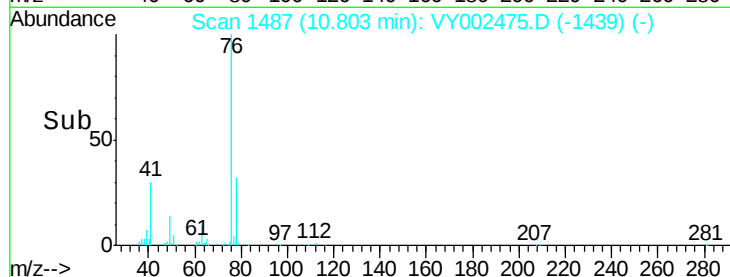
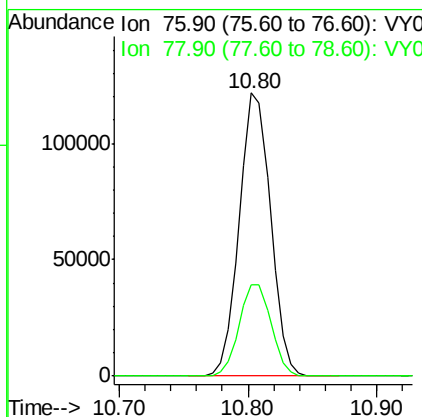
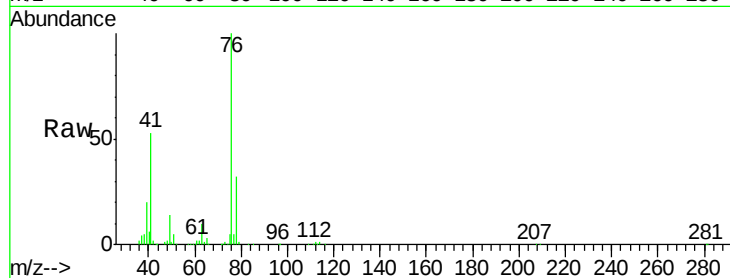
#57
 1,3-Dichloropropane
 Concen: 53.082 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

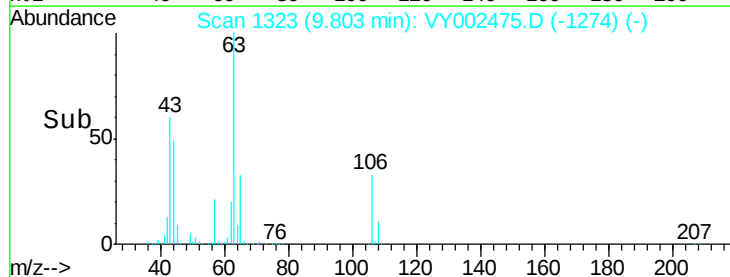
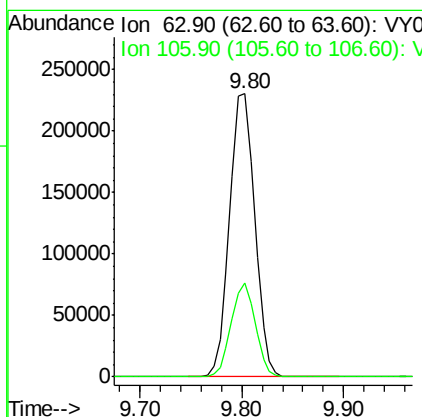
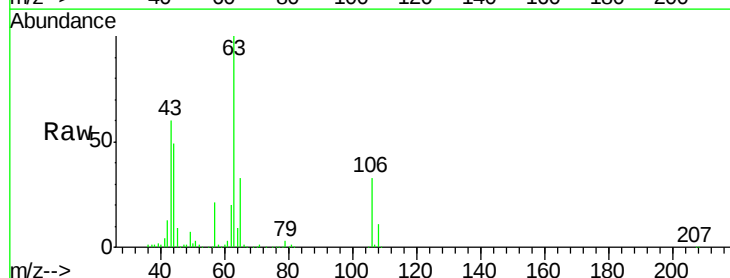
Manual Integrations
 APPROVED

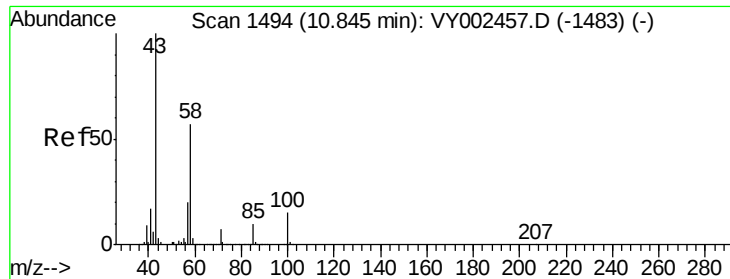
MMDadoda
 4/24/2020 1:33:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.568 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	26.0	39.0





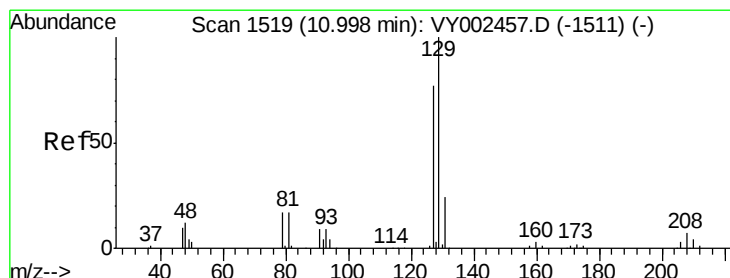
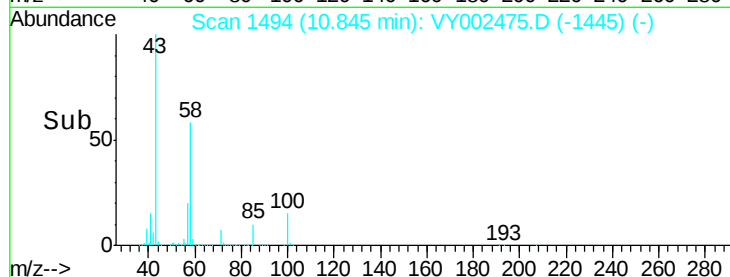
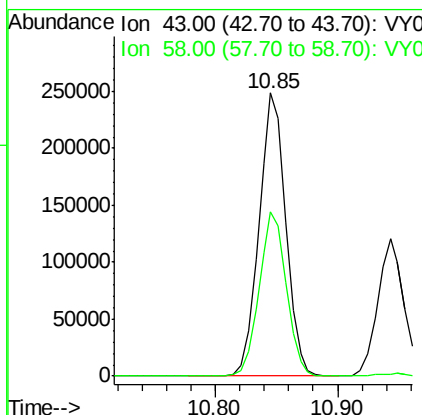
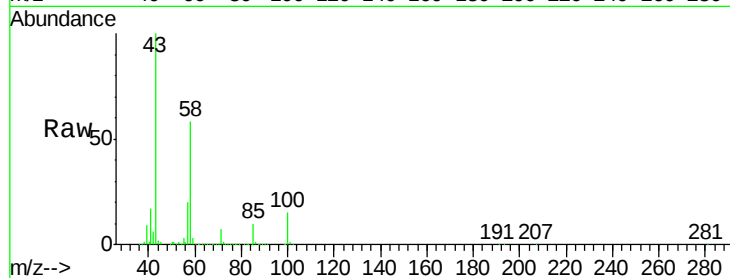
#59
2-Hexanone
Concen: 280.986 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 379662
Ion Ratio Lower Upper
43 100
58 58.8 28.8 86.4

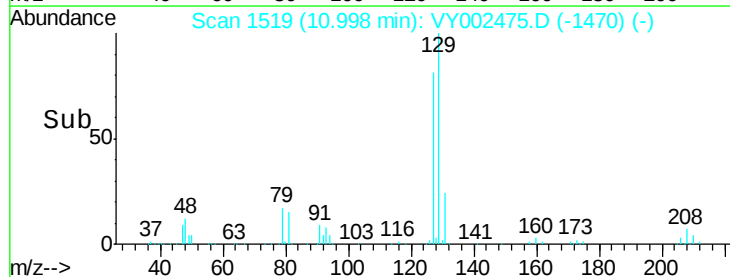
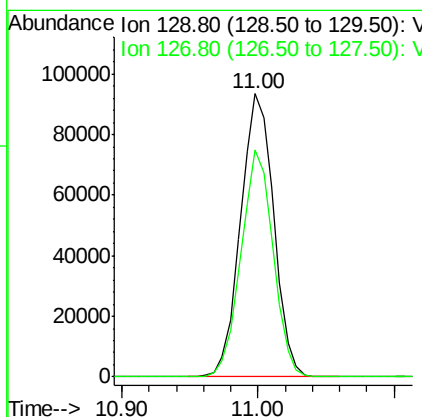
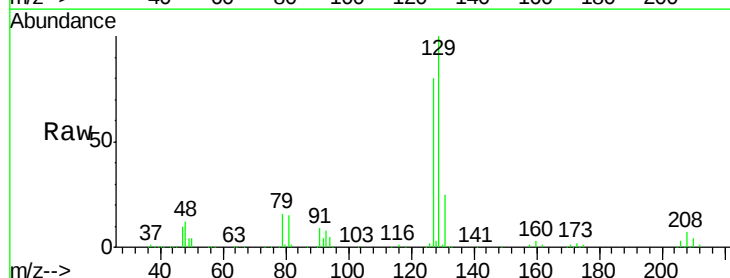
Manual Integrations
APPROVED

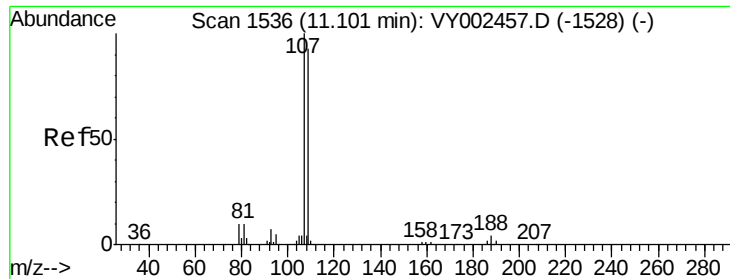
MMDadoda
4/24/2020 1:33:49 PM



#60
Dibromochloromethane
Concen: 53.117 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion: 129 Resp: 159296
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





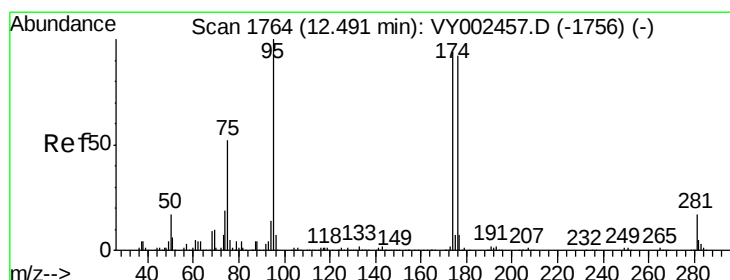
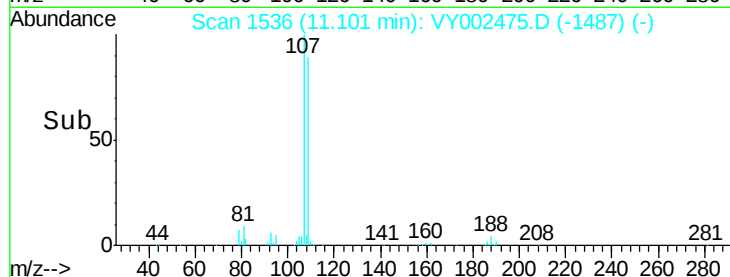
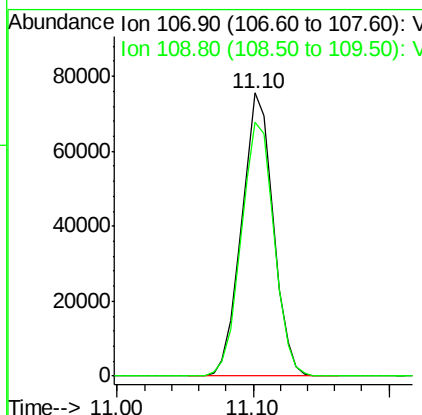
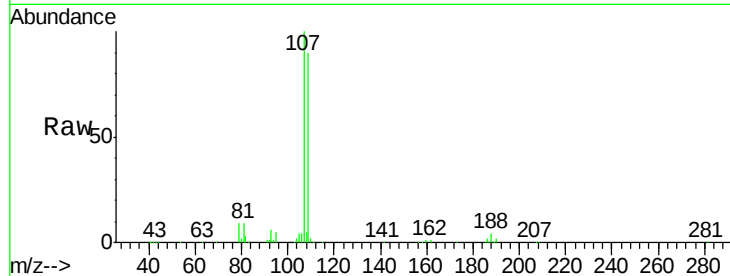
#61
 1,2-Dibromoethane
 Concen: 54.057 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.9	112.3

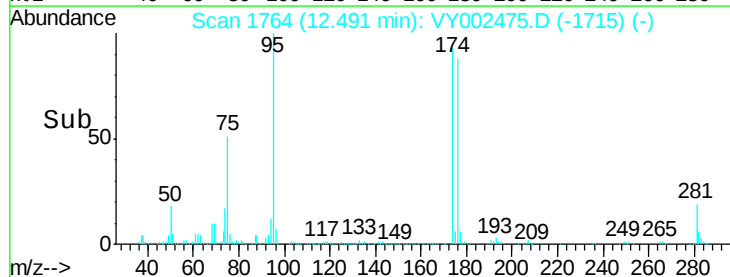
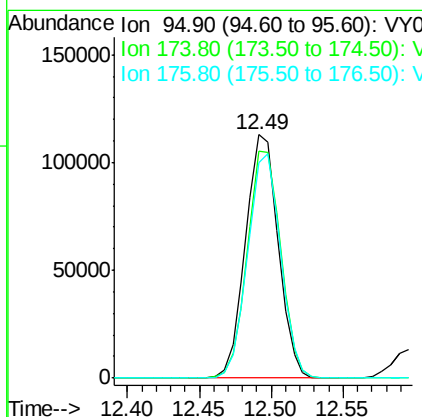
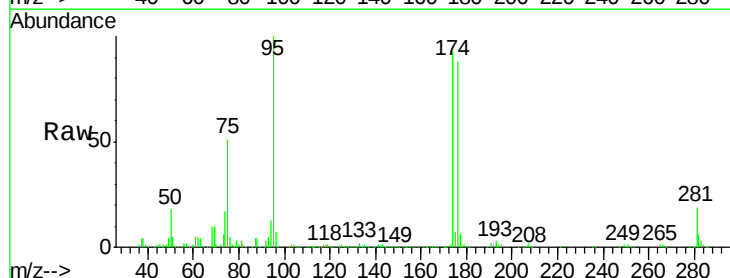
Manual Integrations
 APPROVED

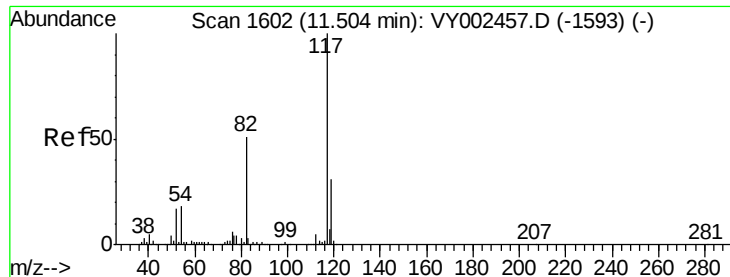
MMDadoda
 4/24/2020 1:33:49 PM



#62
 4-Bromofluorobenzene
 Concen: 50.204 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	193.0
176	92.3	0.0	190.4





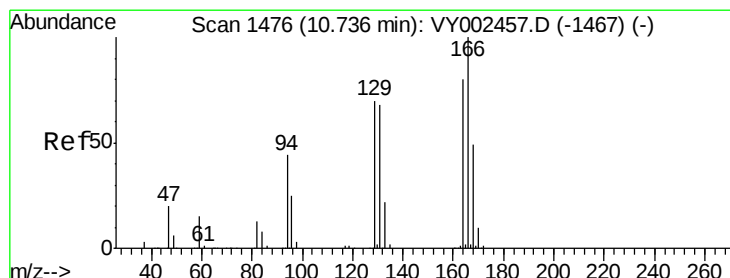
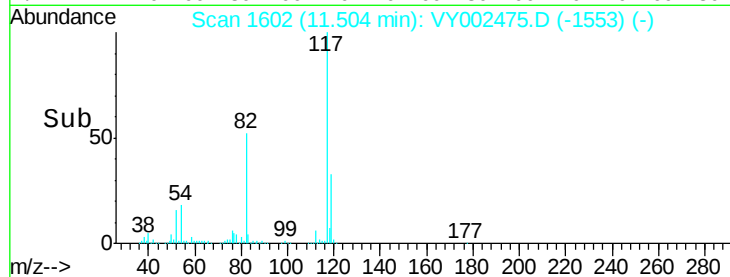
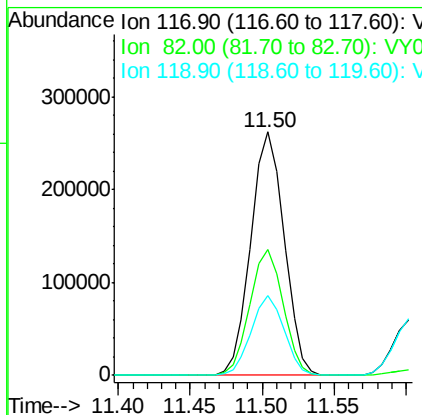
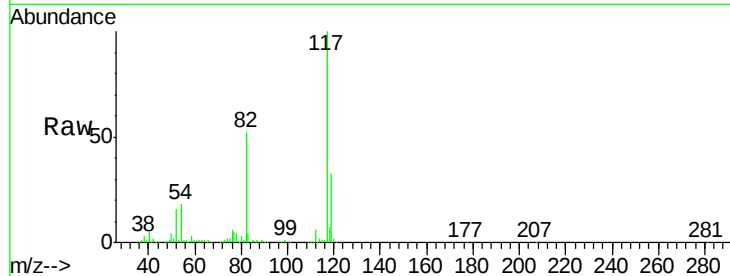
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419601		
82	51.8		40.8	61.2
119	32.9		25.2	37.8

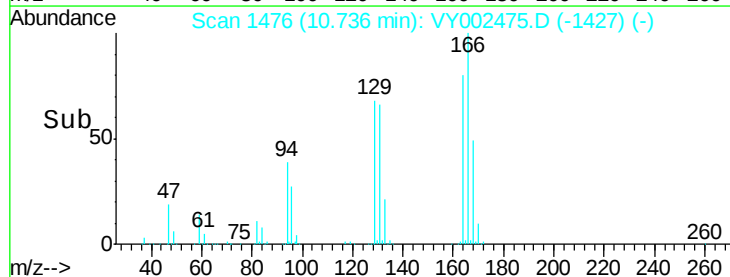
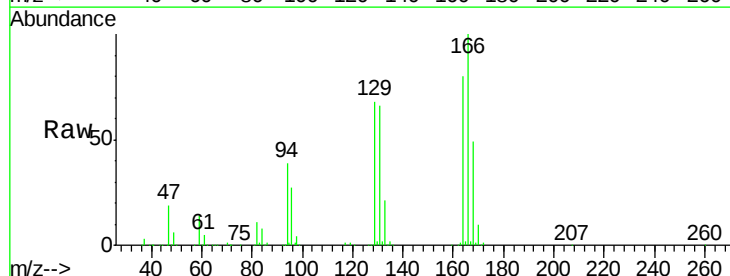
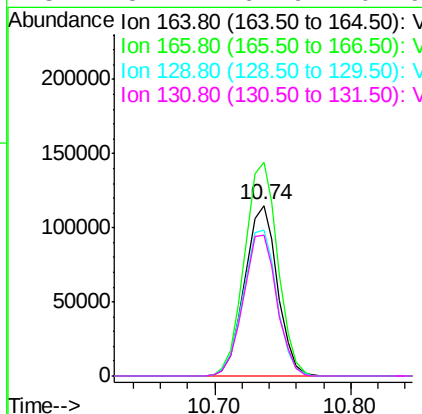
Manual Integrations
APPROVED

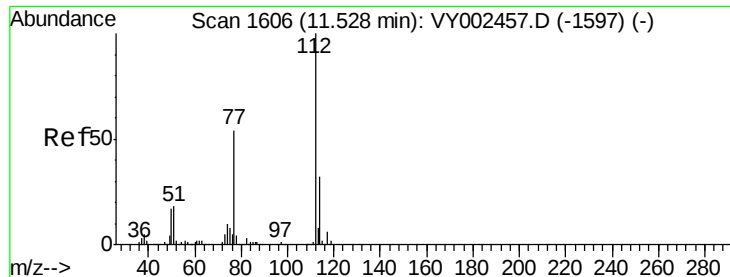
MMDadoda
4/24/2020 1:33:49 PM



#64
Tetrachloroethene
Concen: 50.379 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193738		
166	125.0		100.0	150.0
129	85.2		69.8	104.8
131	82.1		67.9	101.9





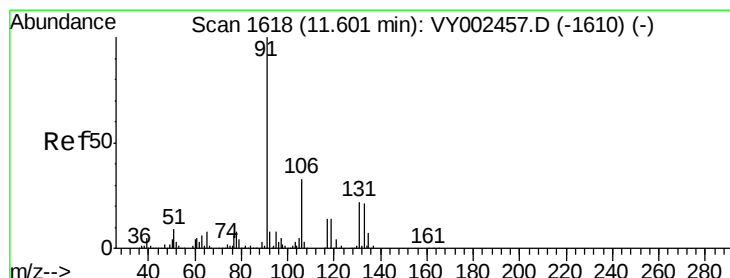
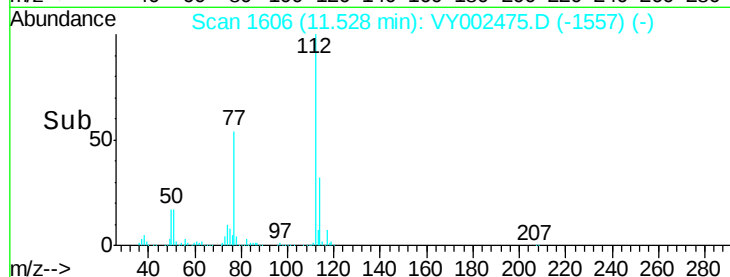
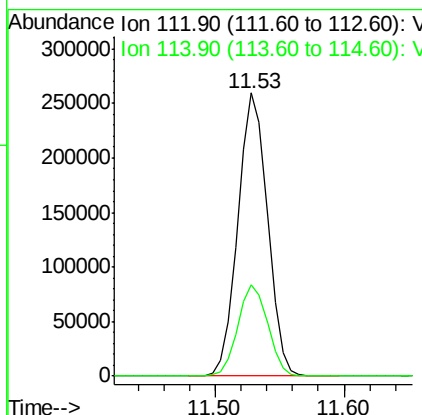
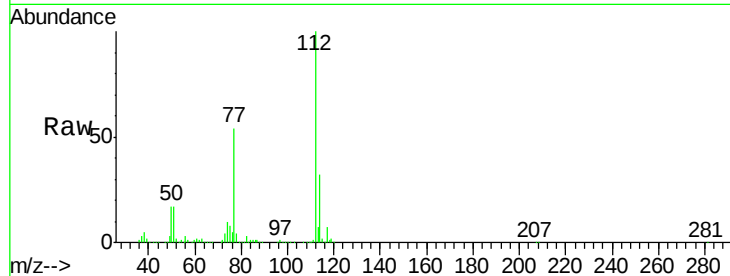
#65
Chlorobenzene
Concen: 51.022 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 412736
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

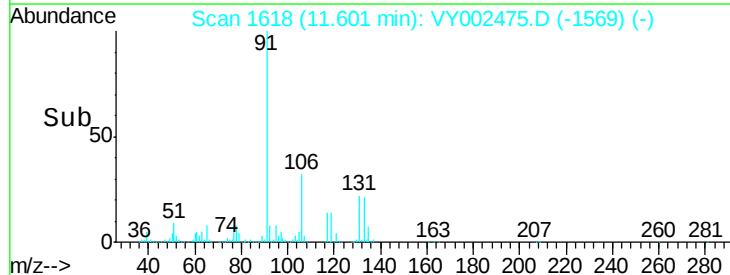
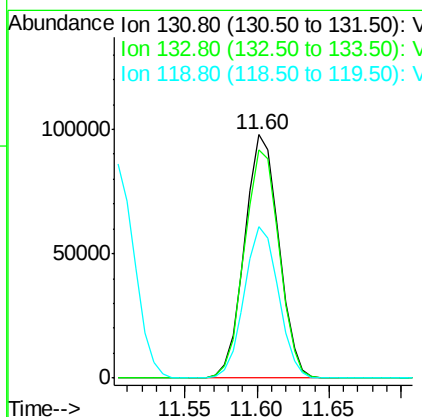
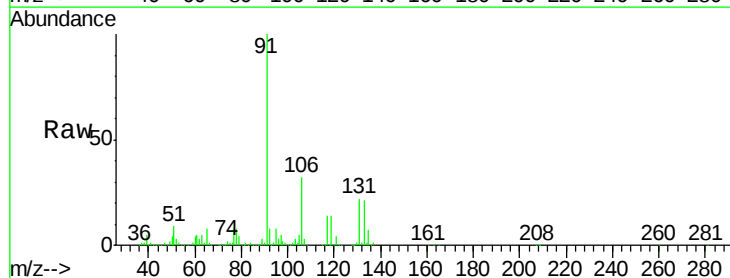
Manual Integrations
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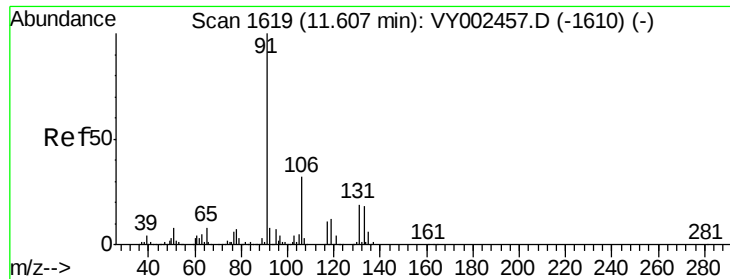
MMDadoda
4/24/2020 1:33:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.927 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion:131 Resp: 160647
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.4
119 62.2 31.1 93.3





#67

Ethyl Benzene

Concen: 50.357 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 725996

Ion Ratio Lower Upper

91 100

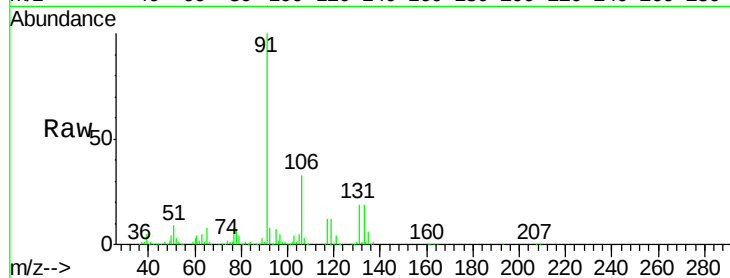
106 32.6 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY002475.D (-1610) (-)

Ion 106.00 (105.70 to 106.70): VY002475.D (-1610) (-)

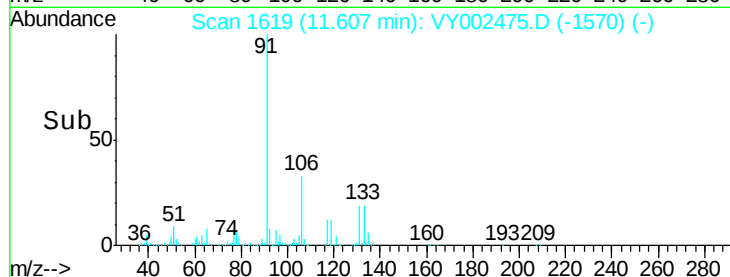
600000

400000

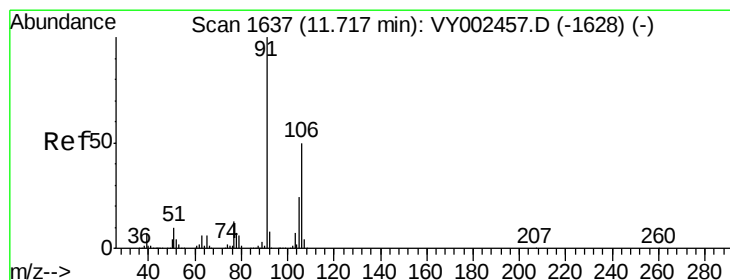
200000

0

11.50 11.60 11.70



Time-->



#68

m/p-Xylenes

Concen: 100.247 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VY002475.D

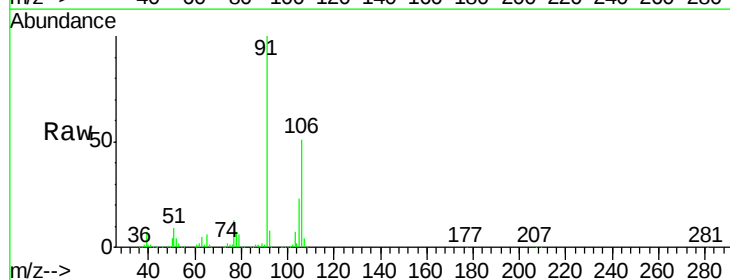
Acq: 23 Apr 2020 21:07

Tgt Ion: 106 Resp: 556367

Ion Ratio Lower Upper

106 100

91 196.9 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VY002475.D (-1628) (-)

Ion 91.00 (90.70 to 91.70): VY002475.D (-1628) (-)

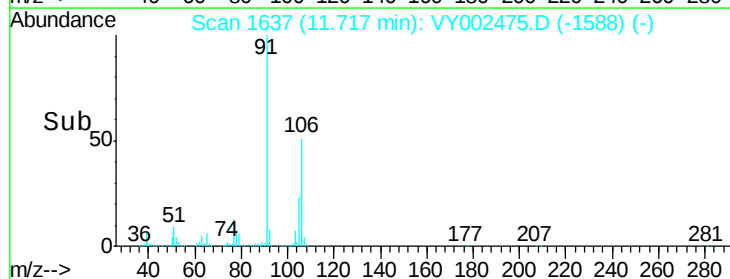
600000

400000

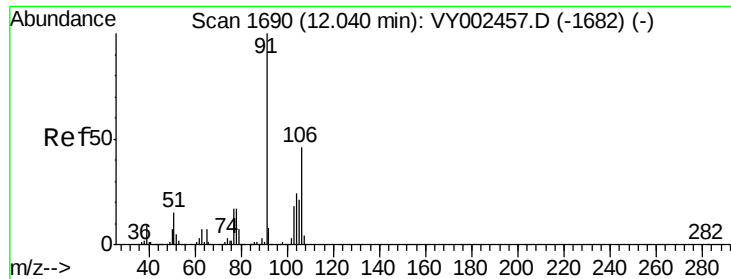
200000

0

11.70 11.80



Time-->



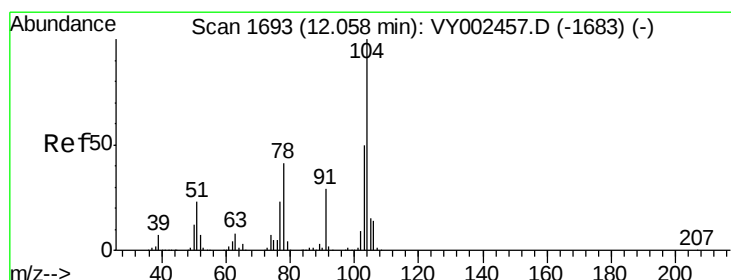
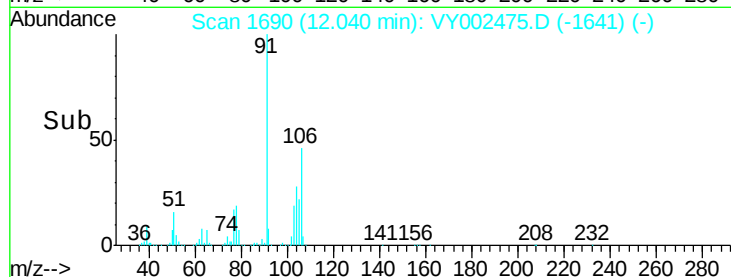
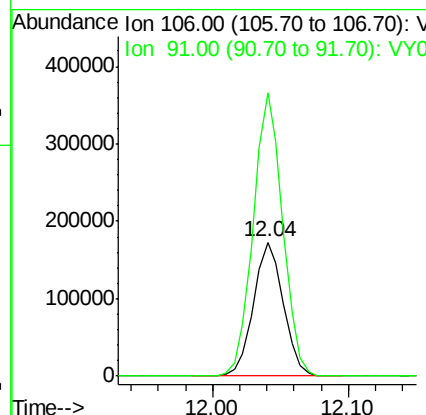
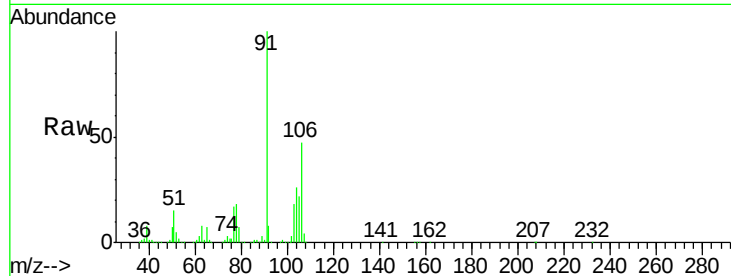
#69
o-Xylene
Concen: 51.523 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.5	104.5	313.3		

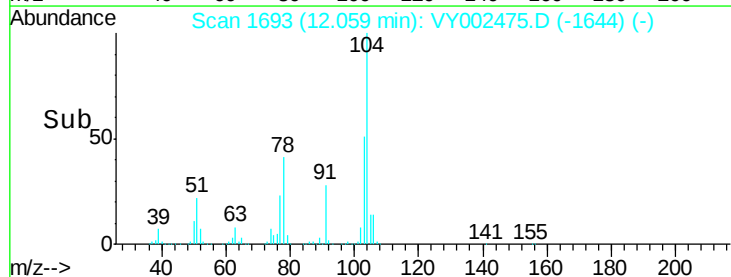
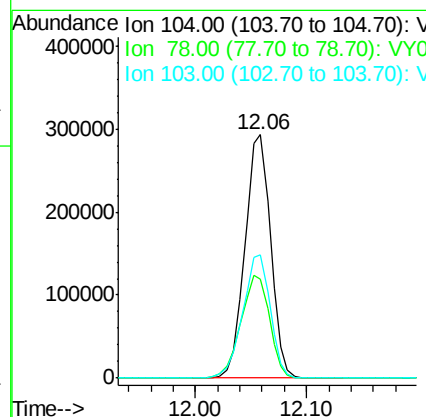
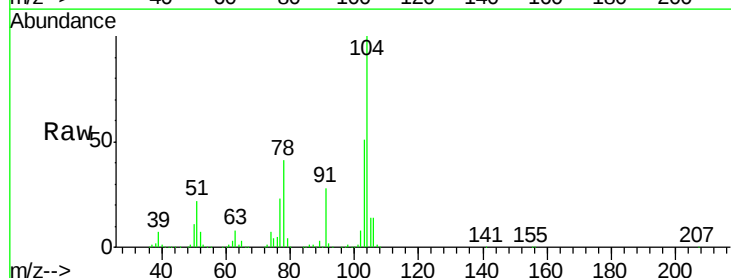
Manual Integrations
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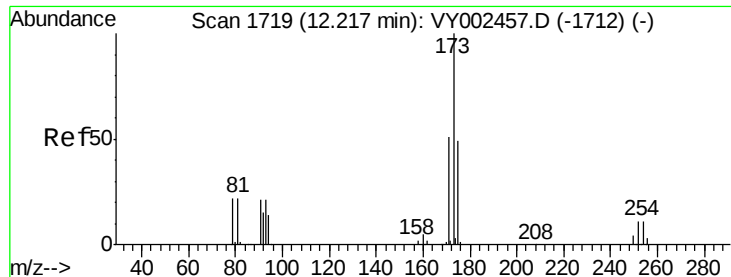
MMDadoda
4/24/2020 1:33:49 PM



#70
Styrene
Concen: 52.321 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.1	38.0	57.0		
103	54.5	44.4	66.6		





#71

Bromoform

Concen: 54.716 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 104622

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

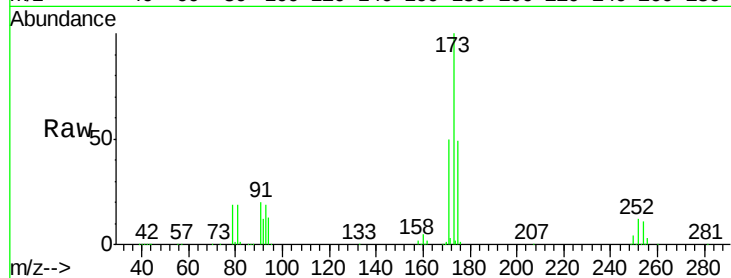
254 0.1 0.1 0.1#

Manual Integrations

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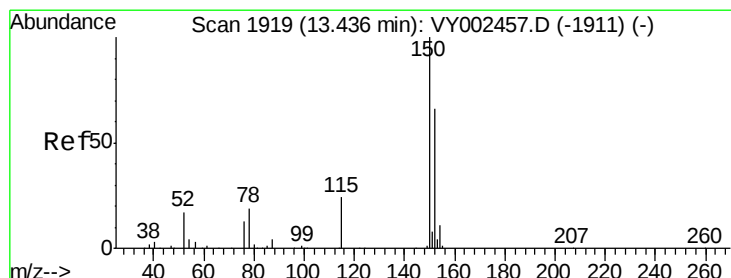
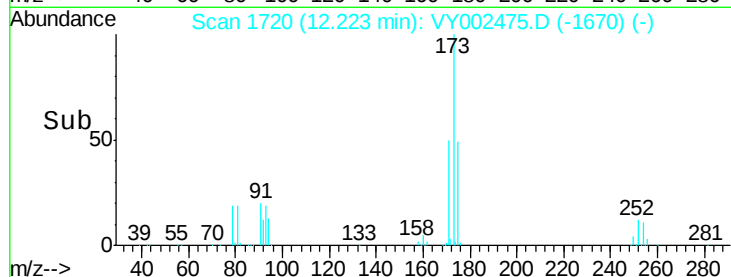
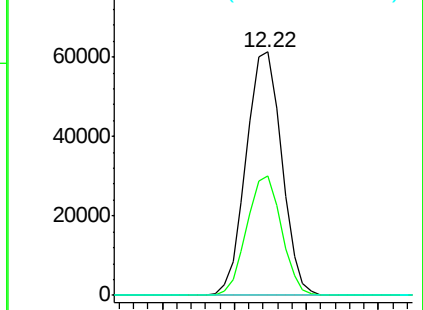
4/24/2020 1:33:49 PM



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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

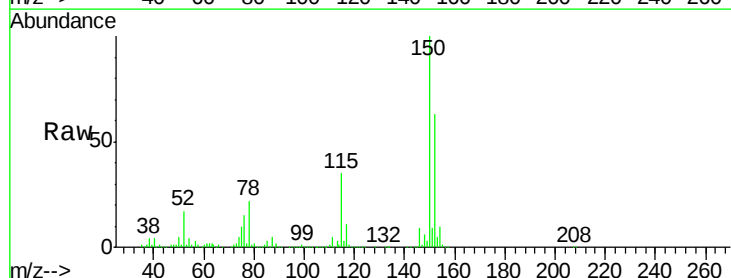
Tgt Ion:152 Resp: 218287

Ion Ratio Lower Upper

152 100

115 54.4 27.3 81.8

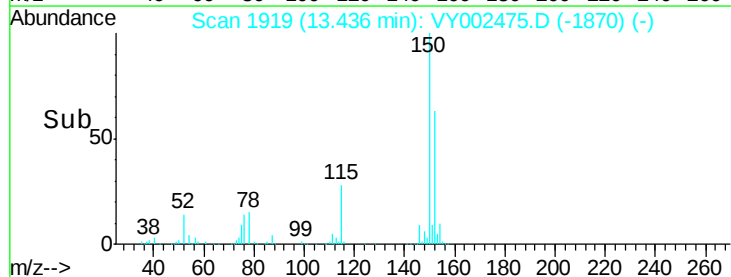
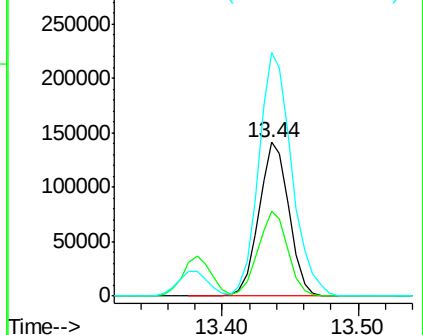
150 173.7 0.0 346.8

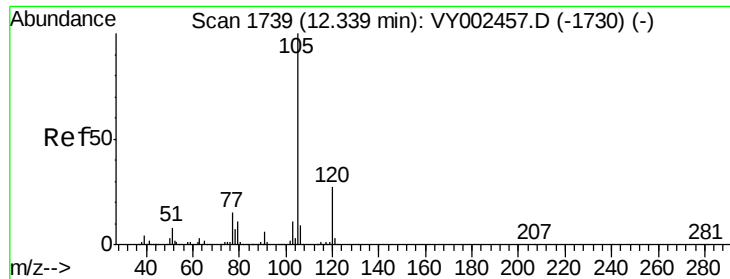


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.992 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 714966

Ion Ratio Lower Upper

105 100

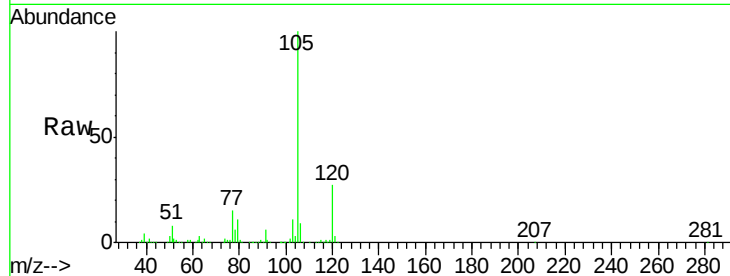
120 27.4 13.6 40.7

Manual Integrations

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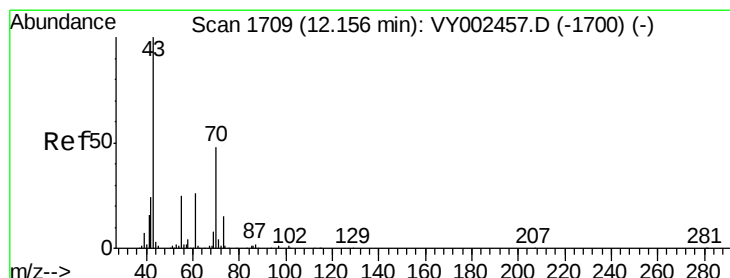
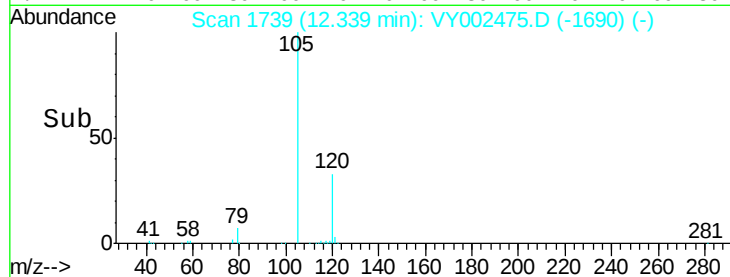
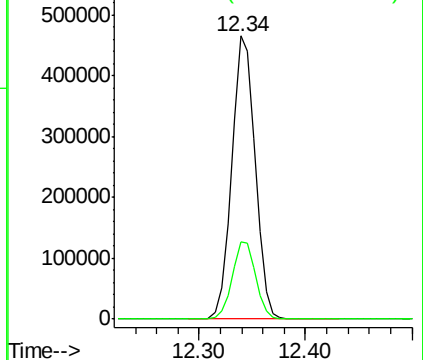
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.245 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion: 43 Resp: 187586

Ion Ratio Lower Upper

43 100

70 47.2 37.2 55.8

55 24.9 19.6 29.4

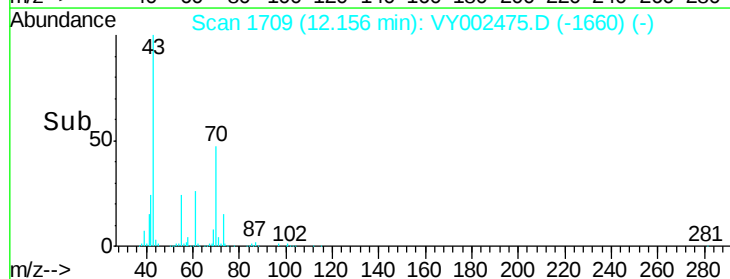
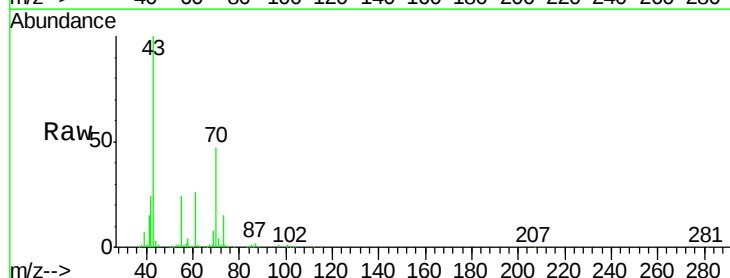
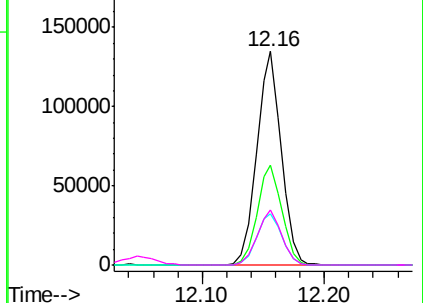
61 25.9 20.7 31.1

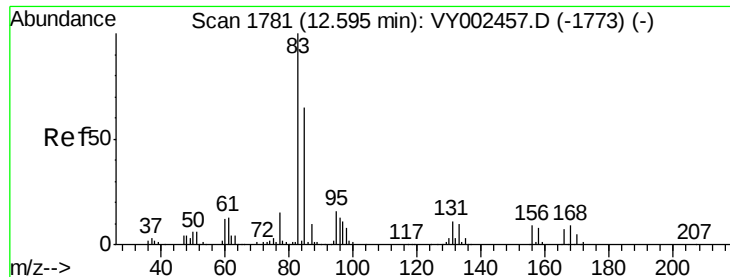
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.402 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

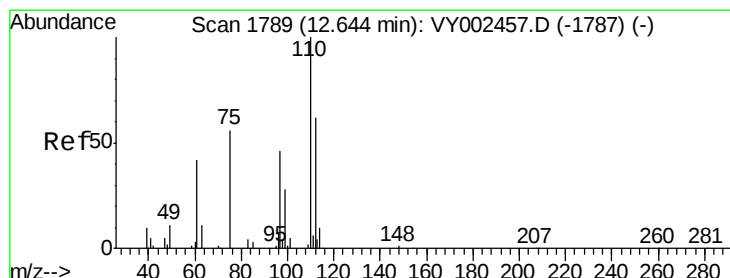
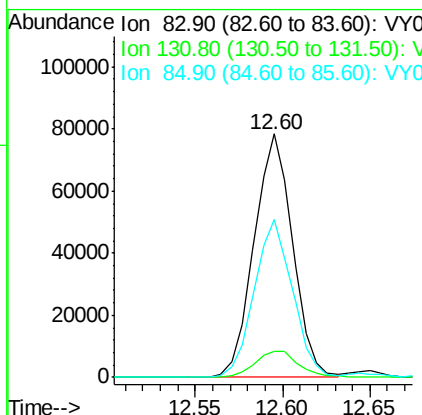
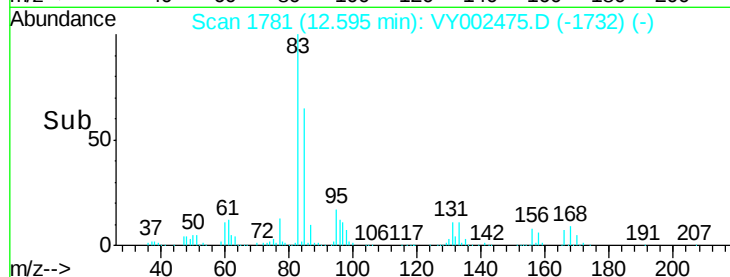
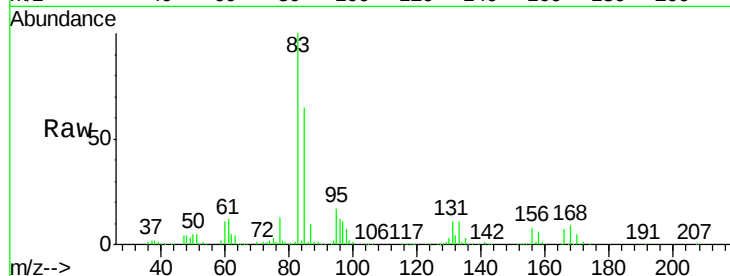
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119691
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	64.6	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 54.607 ug/l m

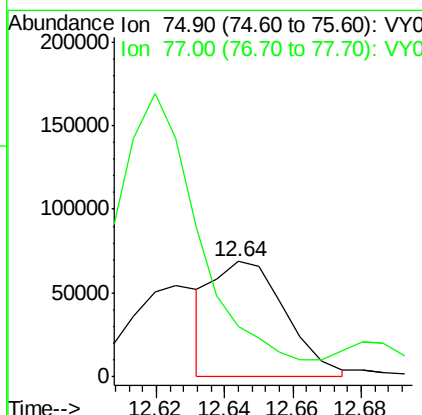
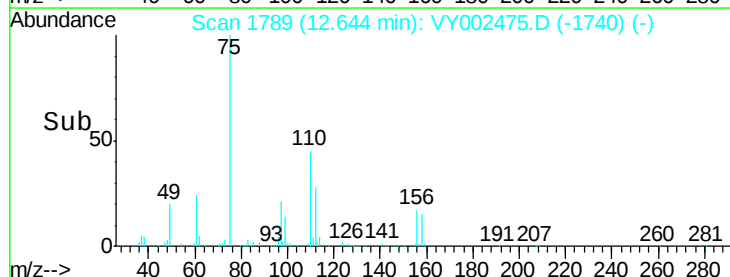
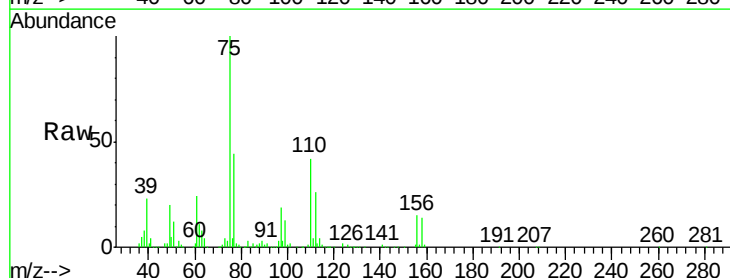
RT: 12.64 min Scan# 1789

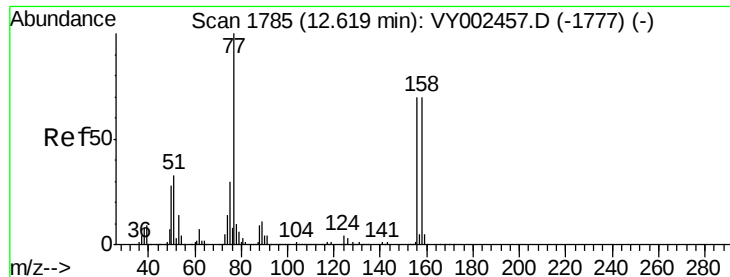
Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion:	75	Resp:	101028
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.284 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 187702

Ion Ratio Lower Upper

156 100

77 159.2 78.5 235.7

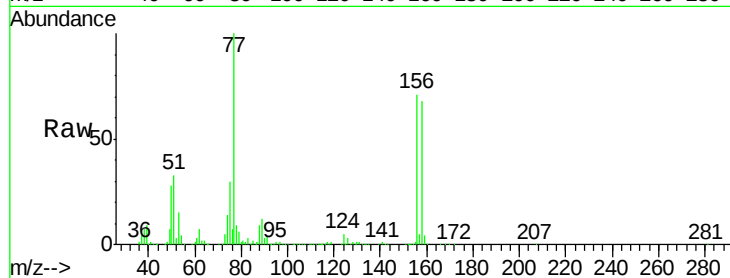
158 95.8 48.4 145.3

Manual Integrations

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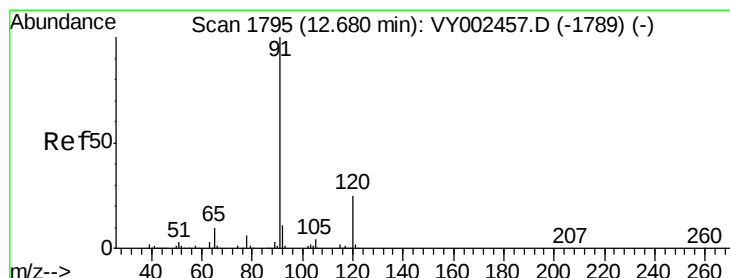
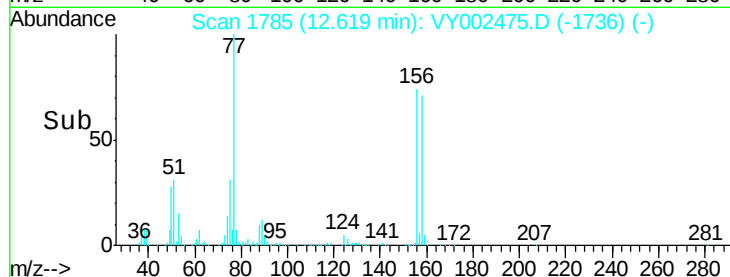
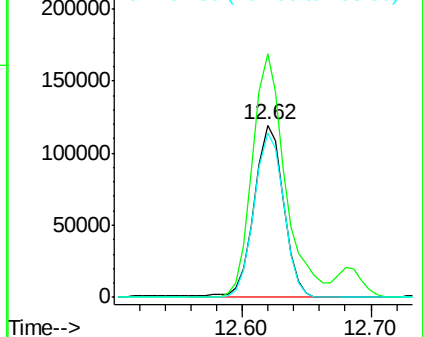
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.686 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002475.D

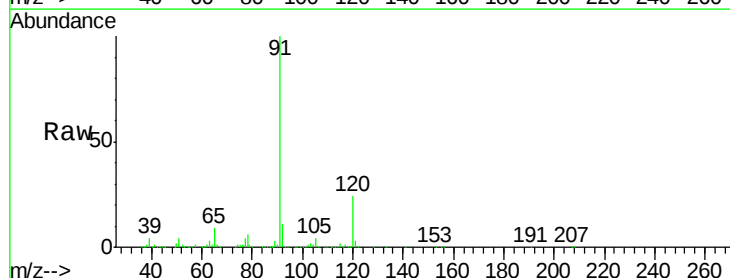
Acq: 23 Apr 2020 21:07

Tgt Ion: 91 Resp: 824944

Ion Ratio Lower Upper

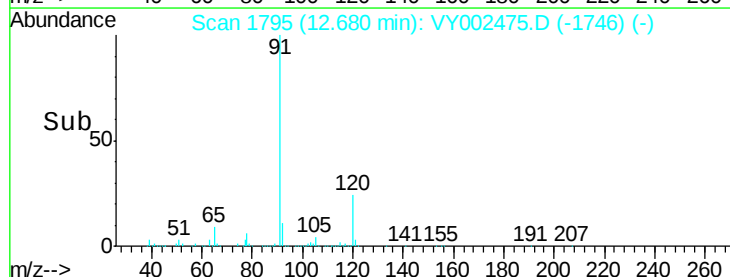
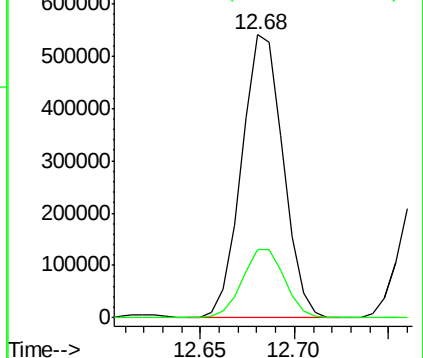
91 100

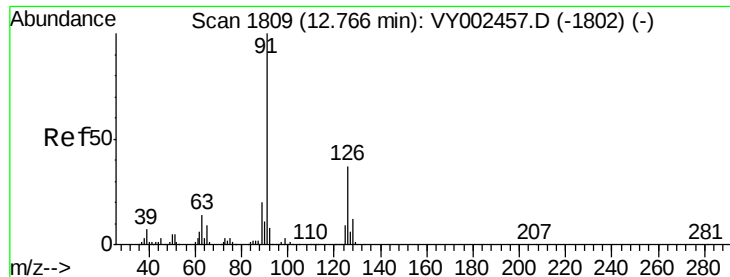
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





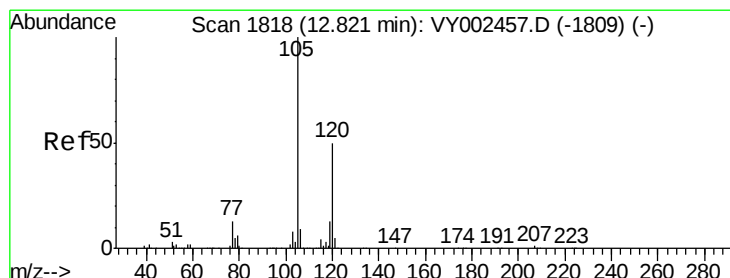
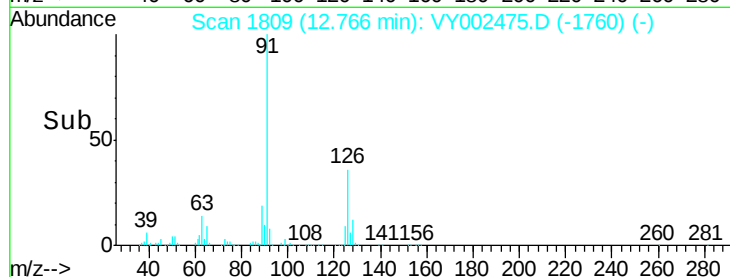
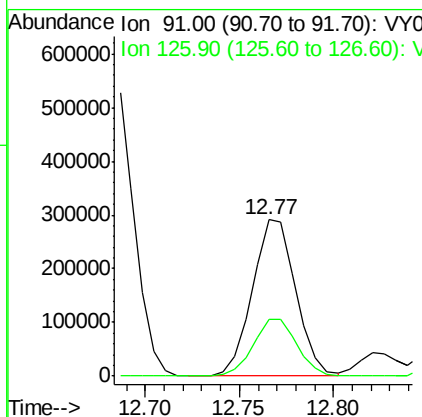
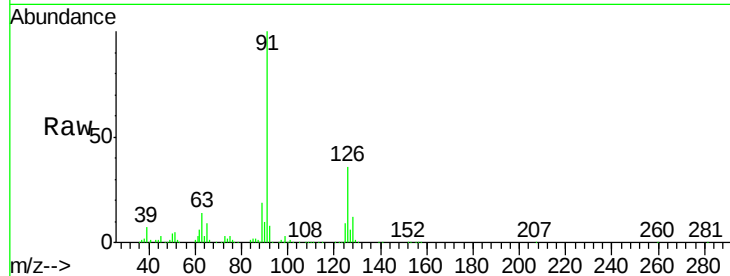
#79
 2-Chlorotoluene
 Concen: 50.193 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 465382
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.5 55.5

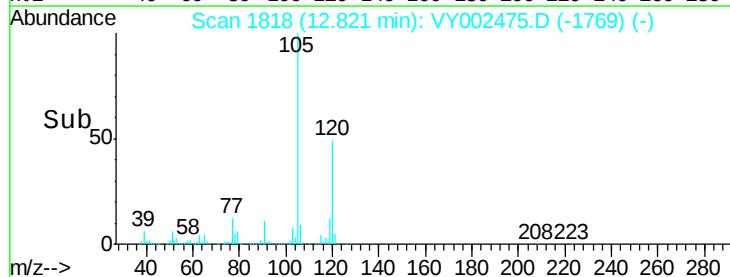
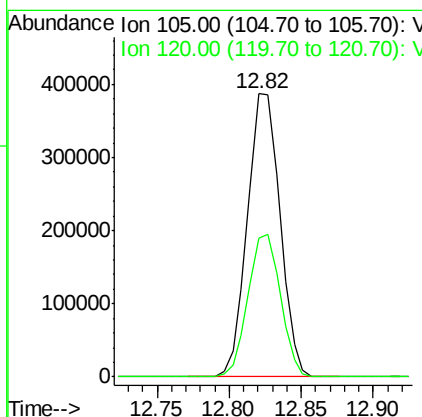
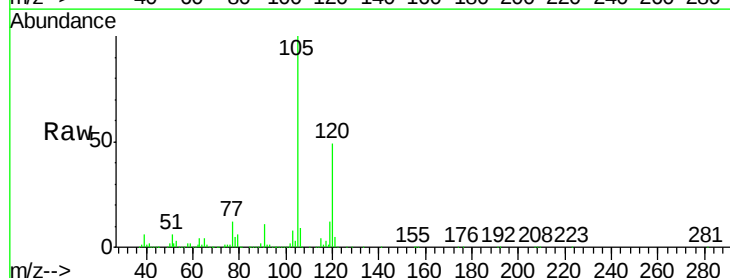
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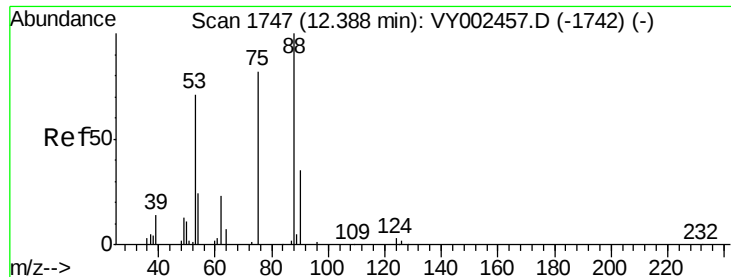
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.952 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion: 105 Resp: 606321
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 52.617 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

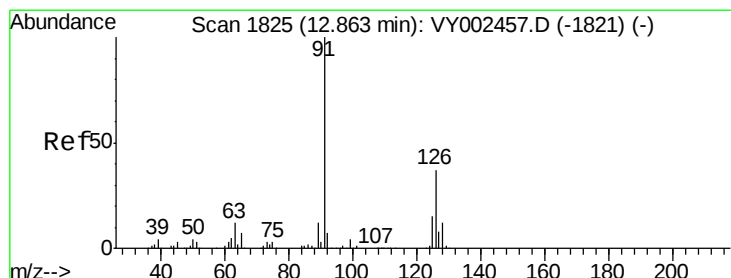
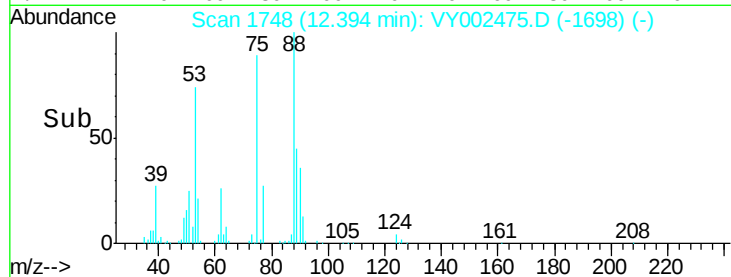
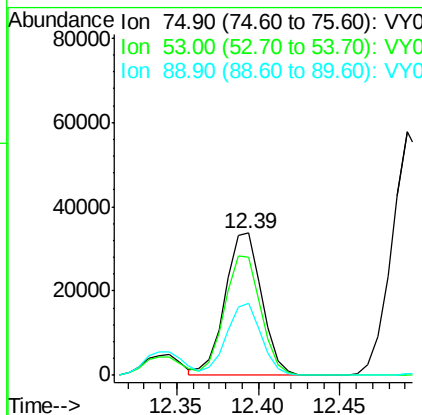
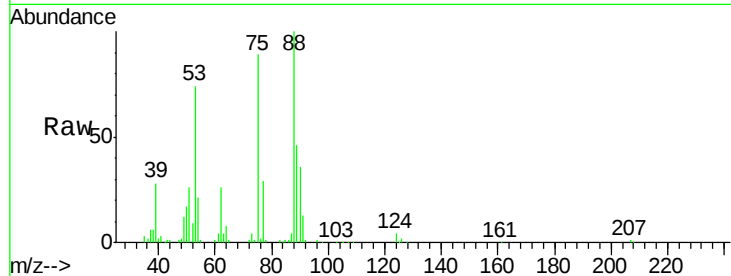
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	52606
Ion	Ratio	Lower	Upper
75	100		
53	83.6	70.0	105.0
89	48.7	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.487 ug/l

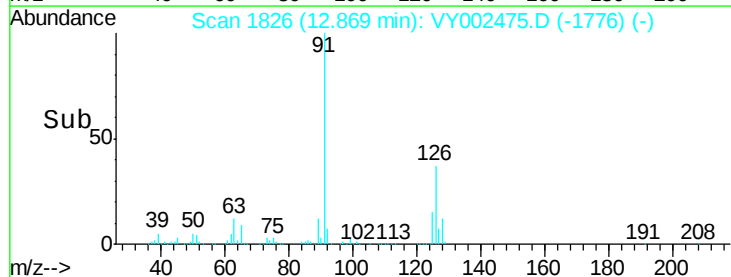
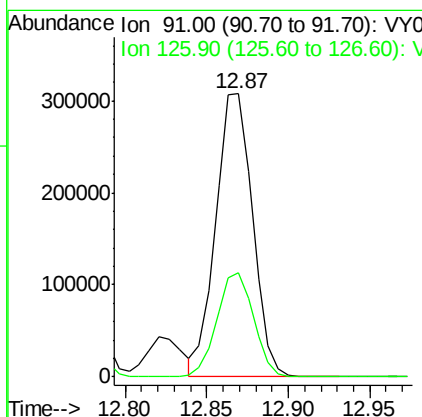
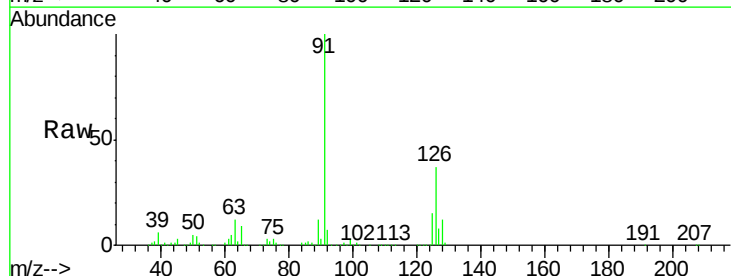
RT: 12.87 min Scan# 1826

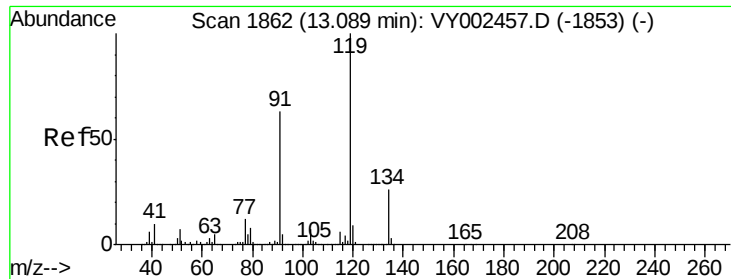
Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Tgt Ion:	91	Resp:	483801
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5





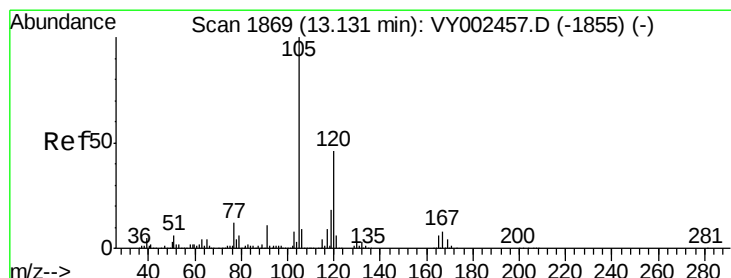
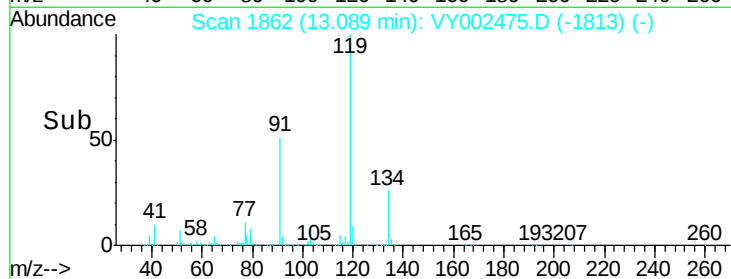
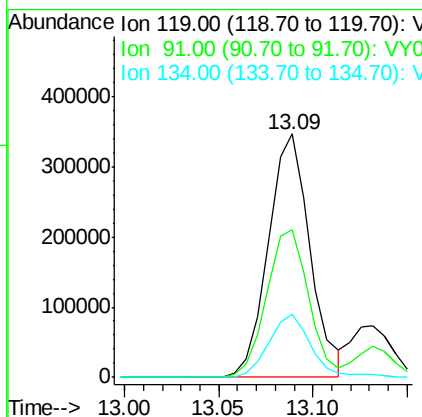
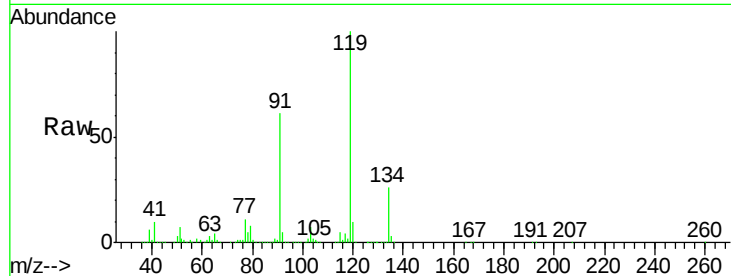
#83
 tert-Butylbenzene
 Concen: 49.429 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	531649		
91	61.4	30.8	92.3	
134	26.5	13.2	39.6	

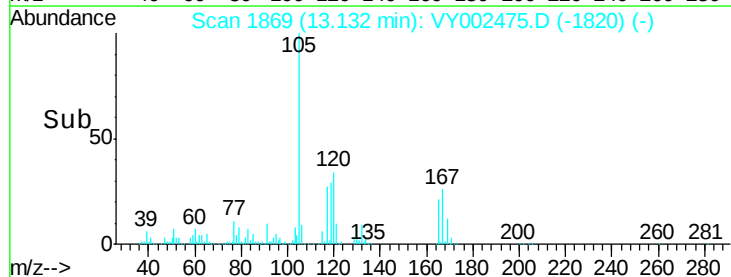
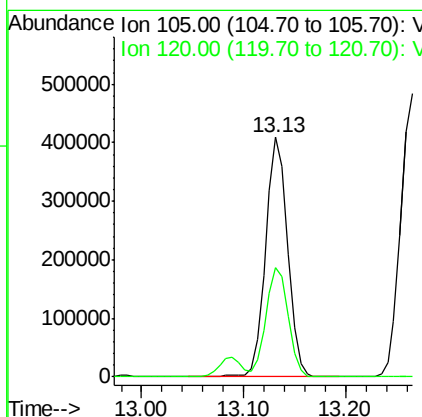
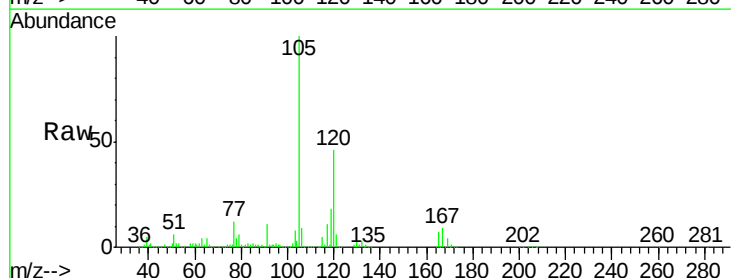
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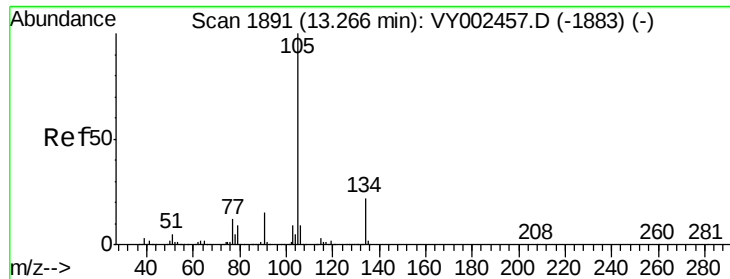
MMDadoda
 4/24/2020 1:33:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.448 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	611379		
120	46.0	23.1	69.2	





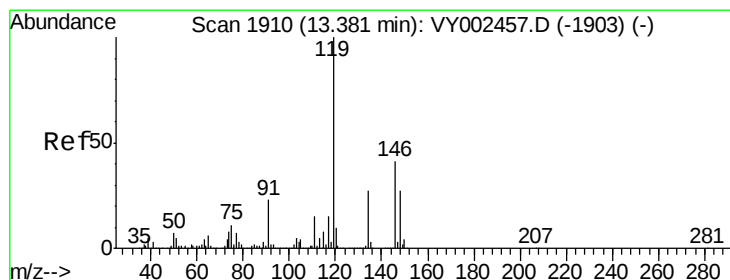
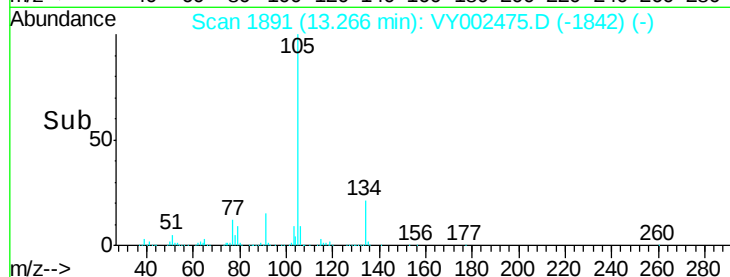
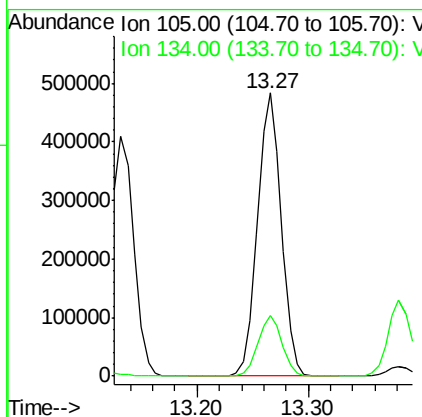
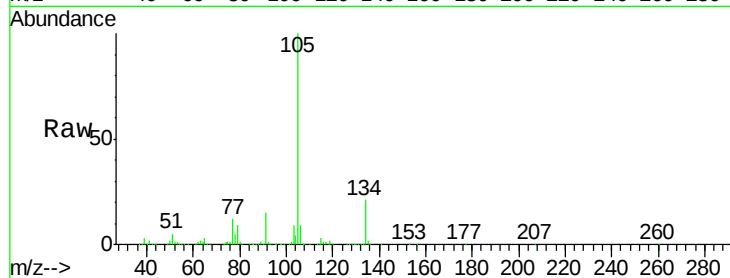
#85
 sec-Butylbenzene
 Concen: 49.964 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.8	32.3

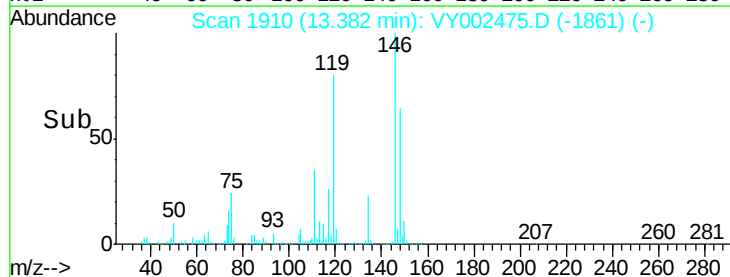
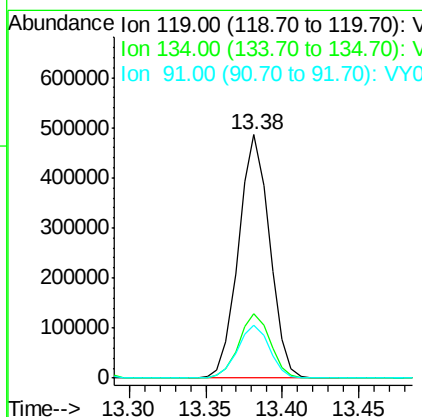
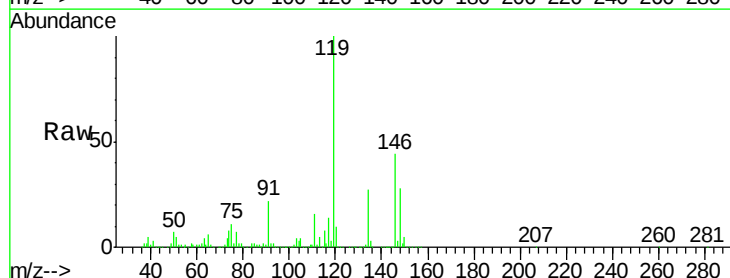
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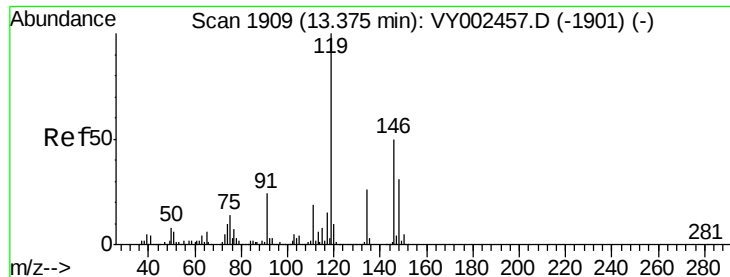
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 4/24/2020 1:33:49 PM



#86
 p-Isopropyltoluene
 Concen: 49.902 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	22.2	11.5	34.4





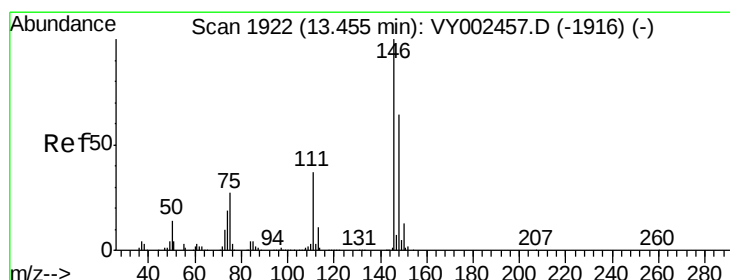
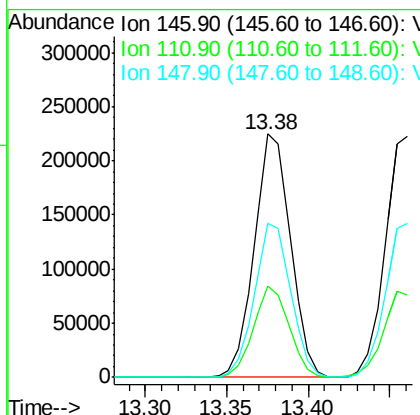
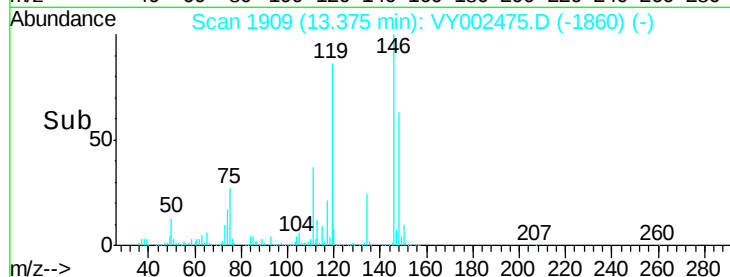
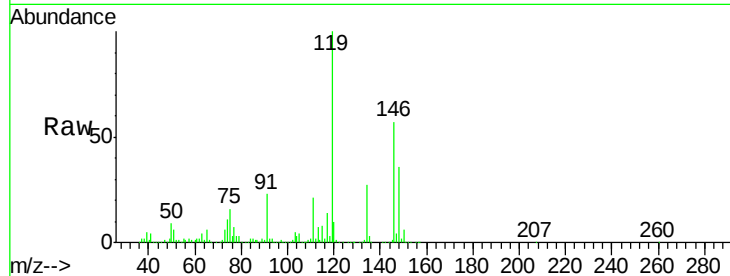
#87
 1,3-Dichlorobenzene
 Concen: 51.505 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.2	32.0	96.0

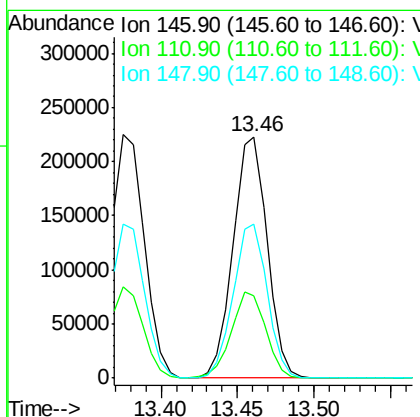
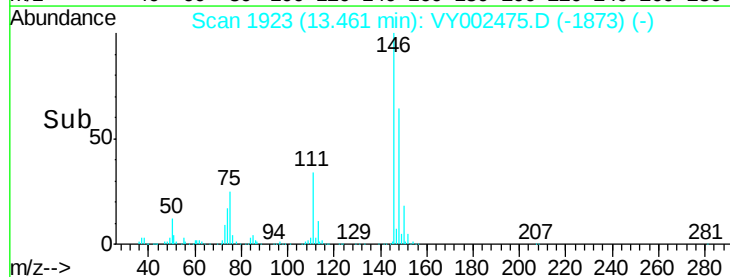
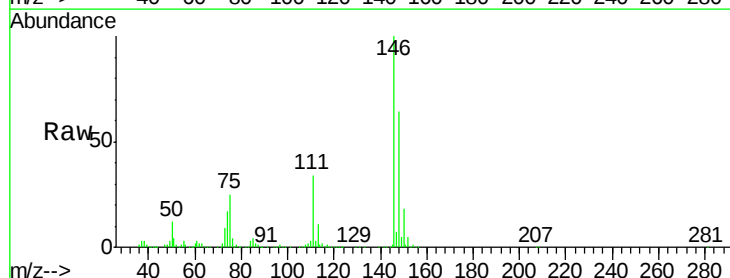
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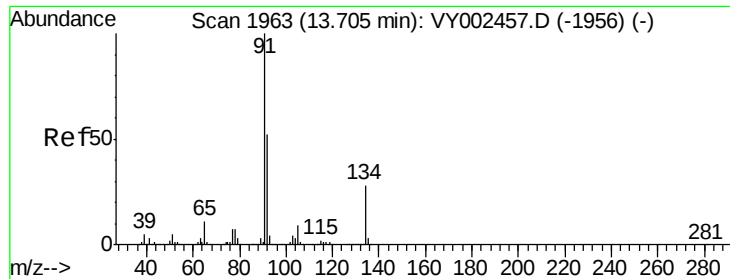
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 4/24/2020 1:33:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.080 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	63.8	32.1	96.5





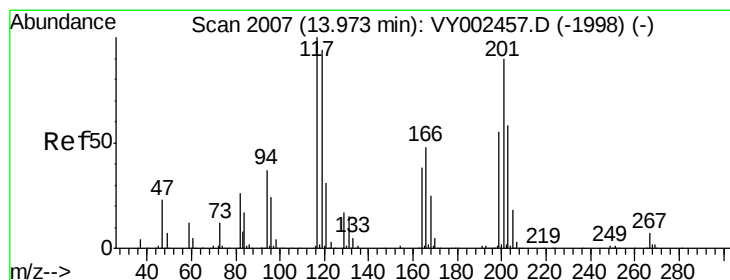
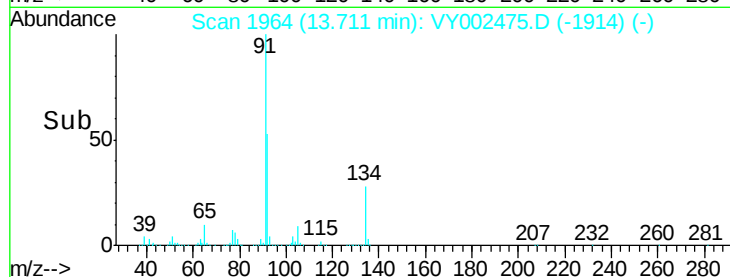
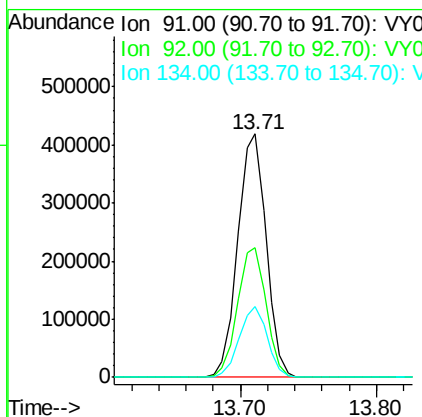
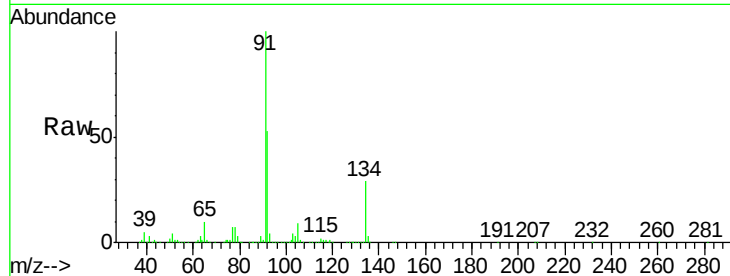
#89
n-Butylbenzene
Concen: 48.096 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	28.7	14.3	42.9

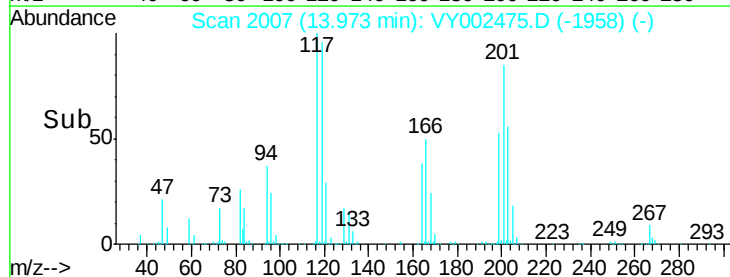
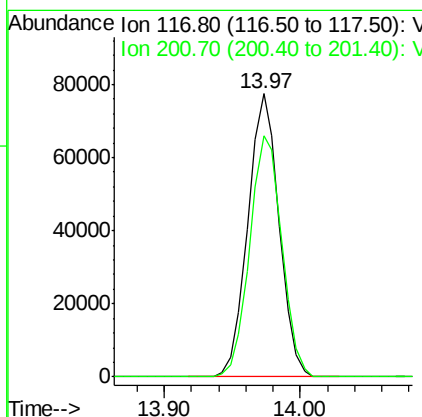
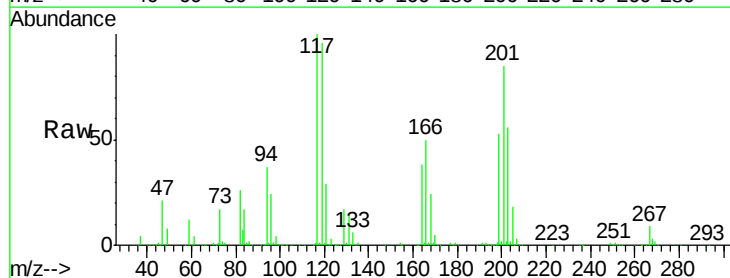
Manual Integrations
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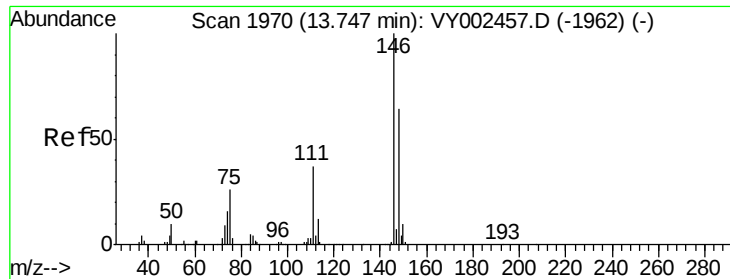
MMDadoda
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#90
Hexachloroethane
Concen: 50.137 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 54.031 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY002475.D

Acq: 23 Apr 2020 21:07

Instrument :

MSVOA_Y

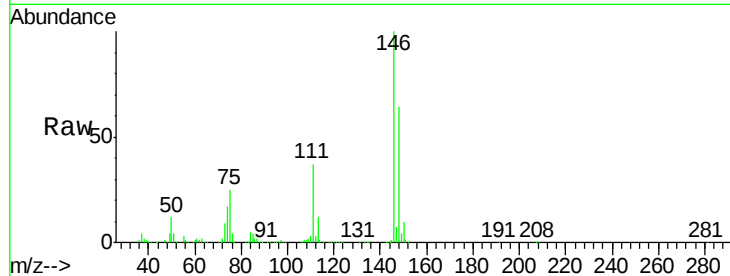
ClientSampleId :

VSTDCCC050EC

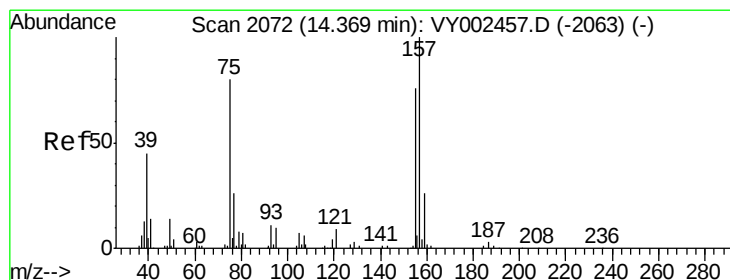
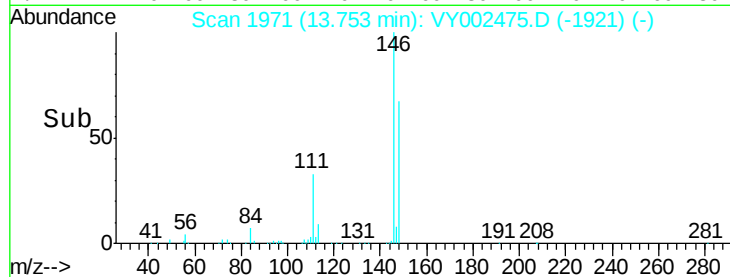
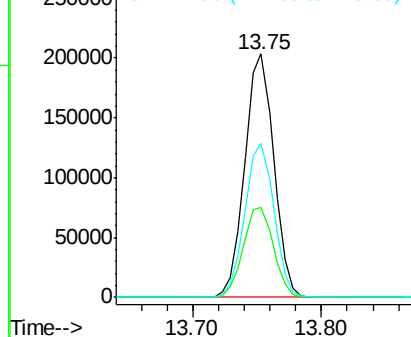
Tot Ion:	146	Resp:	314986
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.9	56.9
148	63.7	31.6	94.7

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4/24/2020 1:33:49 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.839 ug/l

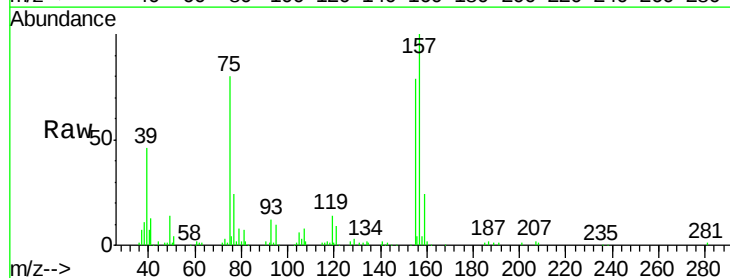
RT: 14.37 min Scan# 2072

Delta R.T. 0.00 min

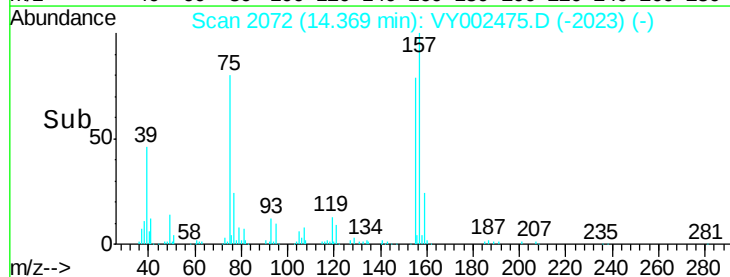
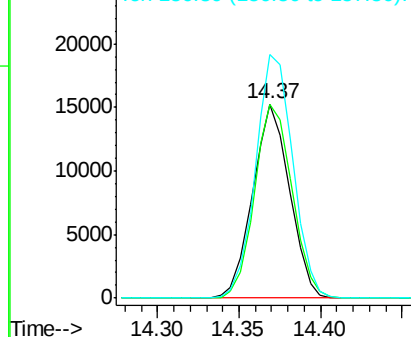
Lab File: VY002475.D

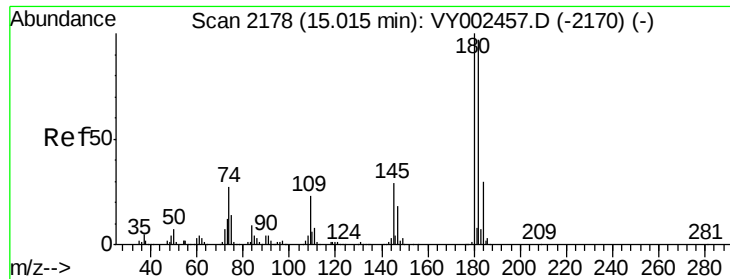
Acq: 23 Apr 2020 21:07

Tgt Ion:	75	Resp:	23957
Ion Ratio	Lower	Upper	
75	100		
155	101.2	49.6	149.0
157	126.7	62.6	187.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





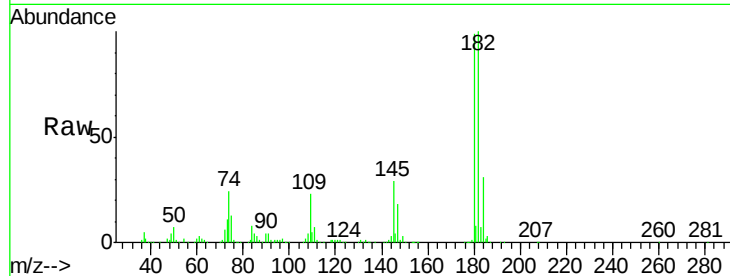
#93
 1,2,4-Trichlorobenzene
 Concen: 48.813 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

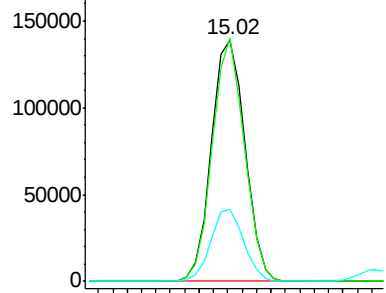
Tot Ion	Ratio	Resp	Lower	Upper
180	100	224594		
182	95.7	47.9	143.7	
145	29.3	14.2	42.6	

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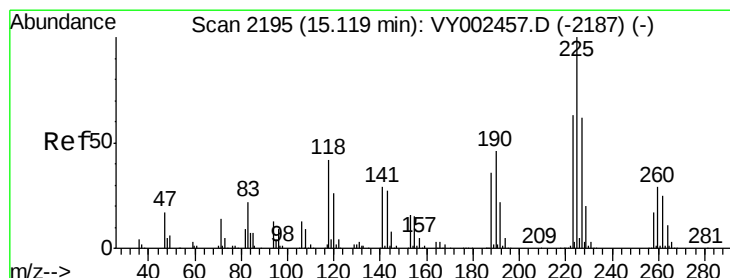
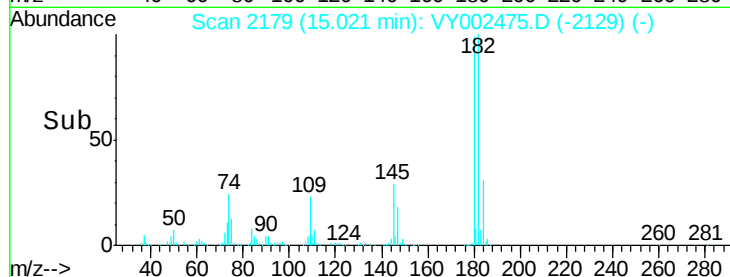
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

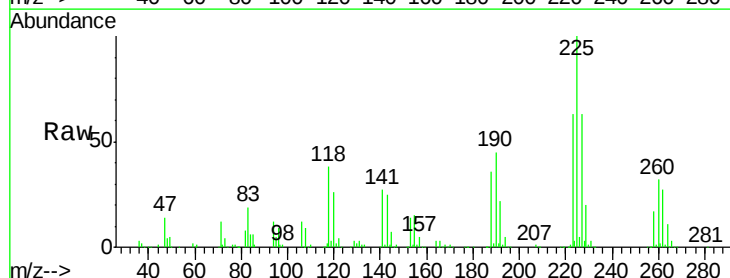


Time-->

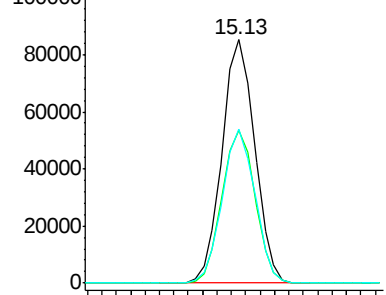


#94
 Hexachlorobutadiene
 Concen: 48.247 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002475.D
 Acq: 23 Apr 2020 21:07

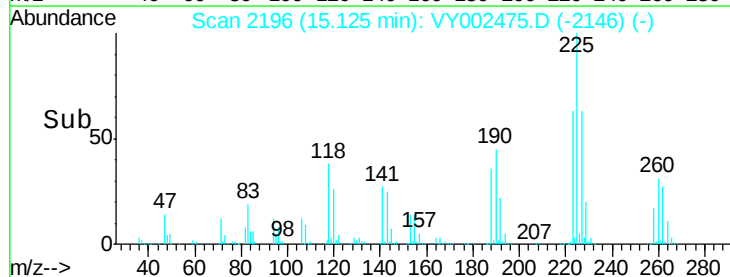
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133974		
223	63.6	31.1	93.3	
227	63.2	31.5	94.5	

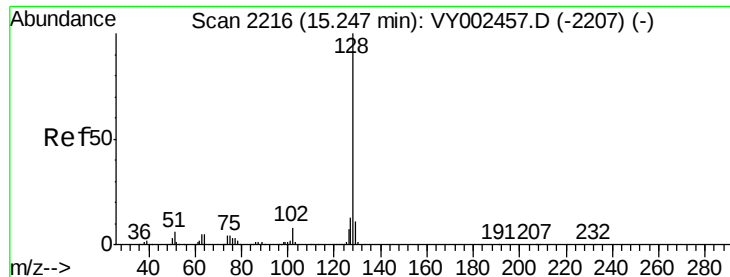


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





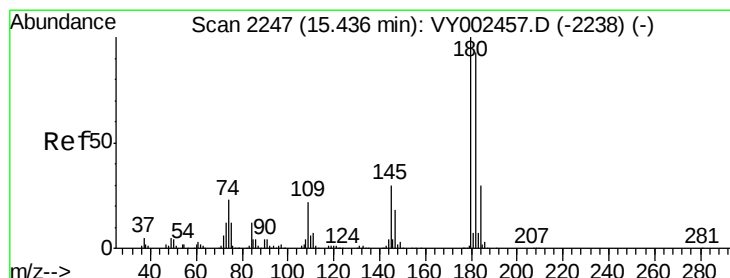
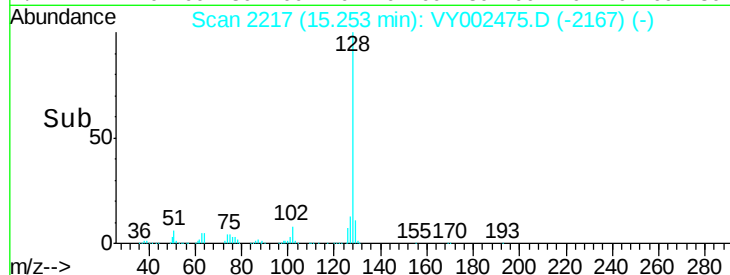
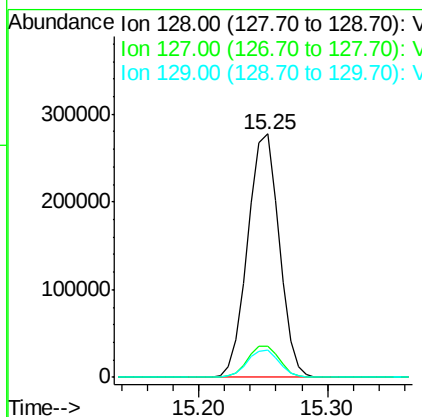
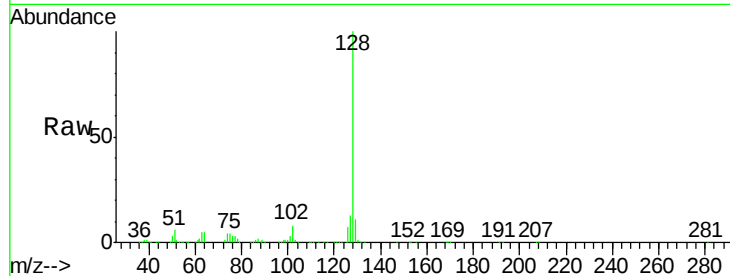
#95
Naphthalene
Concen: 54.673 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	466547		
127	13.2		10.5	15.7
129	11.3		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 50.675 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY002475.D
Acq: 23 Apr 2020 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	197768		
182	95.3		47.5	142.6
145	30.4		15.3	45.9

