

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001580.D
 Acq On : 10 Feb 2020 13:07
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:11:02 PM

Quant Time: Feb 11 06:06:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	205764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	355764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	316150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	152266	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	103175	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.75	113	97554	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.20	98	403037	51.93	ug/l	0.01
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.49	95	147654	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34939	17.347	ug/l	94
3) Chloromethane	2.13	50	46842	22.251	ug/l	95
4) Vinyl Chloride	2.27	62	47747	21.843	ug/l	98
5) Bromomethane	2.66	94	32868	23.909	ug/l	94
6) Chloroethane	2.81	64	30798	23.375	ug/l	100
7) Trichlorofluoromethane	3.15	101	63107	17.442	ug/l	96
8) Diethyl Ether	3.56	74	23688	19.401	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39802	18.283	ug/l	99
10) Methyl Iodide	4.12	142	46754	16.855	ug/l	98
11) Tert butyl alcohol	4.99	59	25403	86.989	ug/l	96
12) 1,1-Dichloroethene	3.90	96	39257	18.147	ug/l	98
13) Acrolein	3.76	56	17805	90.763	ug/l	96
14) Allyl chloride	4.51	41	71287	21.541	ug/l	94
15) Acrylonitrile	5.21	53	59776	106.793	ug/l	99
16) Acetone	3.97	43	59178	98.749	ug/l	98
17) Carbon Disulfide	4.22	76	129466	18.799	ug/l	97
18) Methyl Acetate	4.51	43	29280	22.896	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	109468	19.028	ug/l	99
20) Methylene Chloride	4.75	84	52263	19.378	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	45175	18.784	ug/l	97
22) Diisopropyl ether	6.16	45	142996	21.809	ug/l	97
23) Vinyl Acetate	6.10	43	451002	108.053	ug/l	95
24) 1,1-Dichloroethane	6.05	63	78171	19.821	ug/l	97
25) 2-Butanone	7.02	43	87153	112.099	ug/l	93
26) 2,2-Dichloropropane	7.02	77	69106	18.309	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	50374	19.177	ug/l	96
28) Bromochloromethane	7.36	49	27243	20.278	ug/l	91
29) Tetrahydrofuran	7.38	42	54261	116.443	ug/l	92
30) Chloroform	7.53	83	73439	18.384	ug/l	100
31) Cyclohexane	7.81	56	81848	20.289	ug/l	96
32) 1,1,1-Trichloroethane	7.74	97	65098	17.974	ug/l	97
36) 1,1-Dichloropropene	7.94	75	63486	19.507	ug/l	98
37) Ethyl Acetate	7.10	43	35415	22.478	ug/l	97
38) Carbon Tetrachloride	7.93	117	57000	18.102	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	82485	19.248	ug/l	100
40) Benzene	8.19	78	184392	19.863	ug/l	99
41) Methacrylonitrile	7.35	41	18073m	24.751	ug/l	
42) 1,2-Dichloroethane	8.26	62	50497	19.525	ug/l	99
43) Isopropyl Acetate	8.30	43	69469	22.270	ug/l	94
44) Trichloroethene	8.96	130	47755	19.085	ug/l	96
45) 1,2-Dichloropropane	9.24	63	46074	20.554	ug/l	96
46) Dibromomethane	9.33	93	24101	19.147	ug/l	98
47) Bromodichloromethane	9.52	83	58738	19.152	ug/l	98
48) Methyl methacrylate	9.31	41	31100	21.966	ug/l	91
49) 1,4-Dioxane	9.33	88	6164	370.800	ug/l #	85
51) 4-Methyl-2-Pentanone	10.09	43	176935	115.174	ug/l	95
52) Toluene	10.26	92	115794	19.659	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	63925	19.137	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	73254	19.101	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	35432	19.619	ug/l	97
56) Ethyl methacrylate	10.52	69	51704	20.129	ug/l	90
57) 1,3-Dichloropropane	10.80	76	61656	19.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	99249	105.030	ug/l	96
59) 2-Hexanone	10.85	43	127769	114.388	ug/l	95
60) Dibromochloromethane	11.00	129	39588	18.596	ug/l	98
61) 1,2-Dibromoethane	11.10	107	33596	18.887	ug/l	98
64) Tetrachloroethene	10.74	164	40087	19.334	ug/l	96
65) Chlorobenzene	11.53	112	119281	19.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	40677	18.723	ug/l	99
67) Ethyl Benzene	11.61	91	224440	19.555	ug/l	99
68) m/p-Xylenes	11.72	106	167996	38.990	ug/l	99
69) o-Xylene	12.04	106	79886	19.664	ug/l	99
70) Styrene	12.05	104	135956	19.352	ug/l	98
71) Bromoform	12.22	173	22745	18.801	ug/l	99
73) Isopropylbenzene	12.34	105	212781	18.323	ug/l	99
74) N-amyl acetate	12.16	43	64871	21.497	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	43696	19.804	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28569m	17.447	ug/l	
77) Bromobenzene	12.62	156	47113	18.746	ug/l	97
78) n-propylbenzene	12.68	91	264228	19.005	ug/l	99
79) 2-Chlorotoluene	12.77	91	145677	18.383	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	179762	18.380	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16066	18.985	ug/l	98
82) 4-Chlorotoluene	12.86	91	154918	18.645	ug/l	100
83) tert-Butylbenzene	13.08	119	150196	18.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	181244	18.724	ug/l	99
85) sec-Butylbenzene	13.26	105	220493	18.970	ug/l	99
86) p-Isopropyltoluene	13.38	119	194159	18.956	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	92782	19.264	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	92923	19.258	ug/l	98
89) n-Butylbenzene	13.70	91	195723	19.367	ug/l	100
90) Hexachloroethane	13.97	117	35557	18.087	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	84808	19.430	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7266	17.839	ug/l	98

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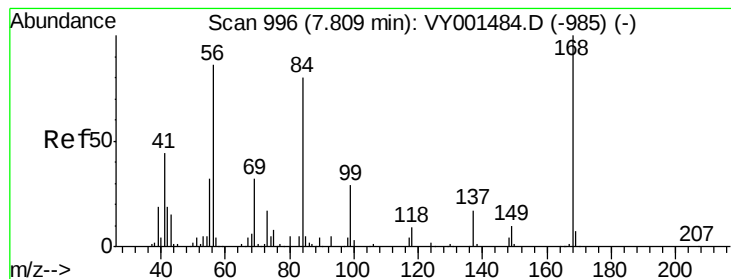
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54751	18.614	ug/l	97
94) Hexachlorobutadiene	15.12	225	27484	18.411	ug/l	99
95) Naphthalene	15.24	128	125368	18.136	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	47942	18.465	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion:168 Resp: 205764

Ion Ratio Lower Upper

168 100

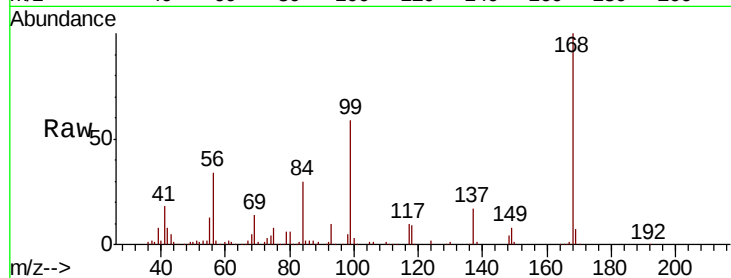
99 58.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001580.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001580.D (-947) (-)

7.82

100000

80000

60000

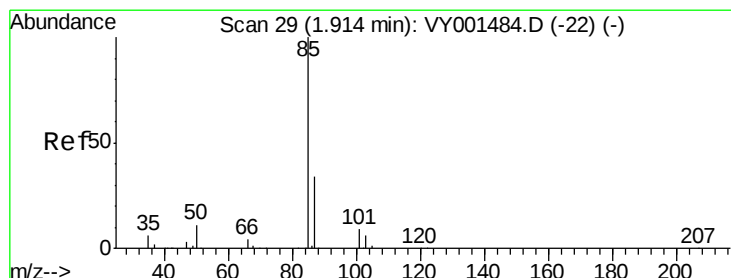
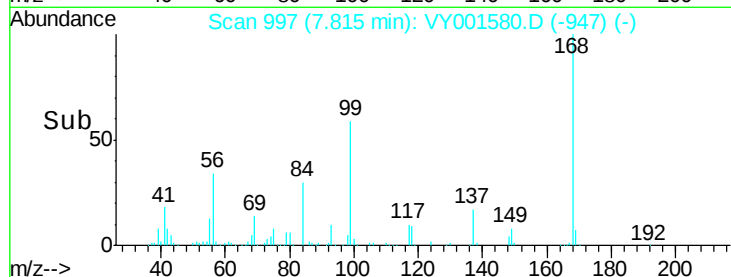
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.347 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001580.D

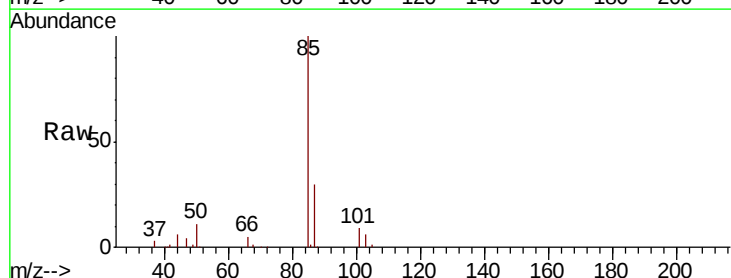
Acq: 10 Feb 2020 13:07

Tgt Ion: 85 Resp: 34939

Ion Ratio Lower Upper

85 100

87 30.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001580.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001580.D (-1) (-)

1.91

25000

20000

15000

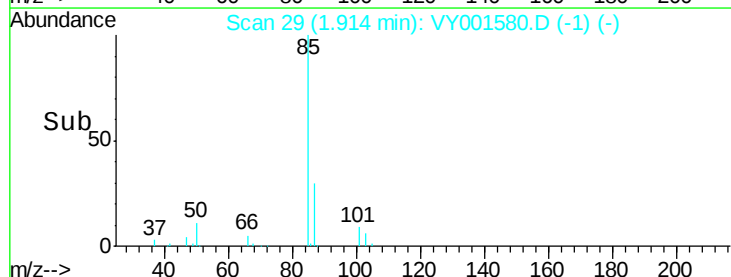
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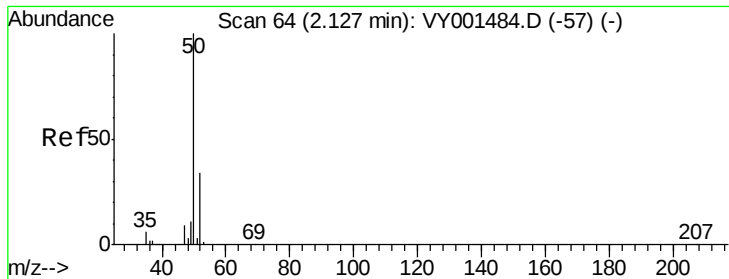
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.251 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 50 Resp: 46842

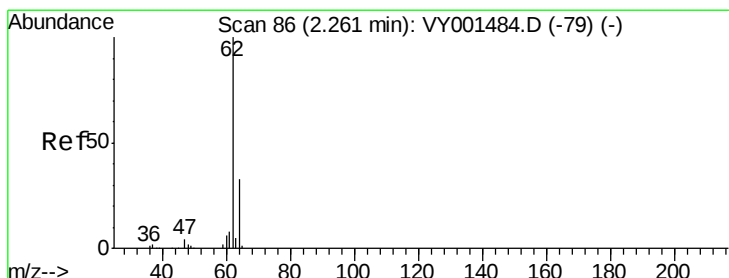
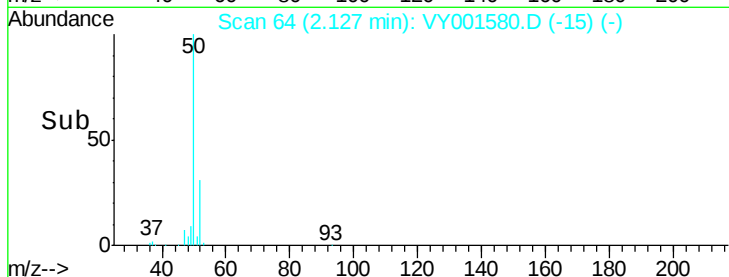
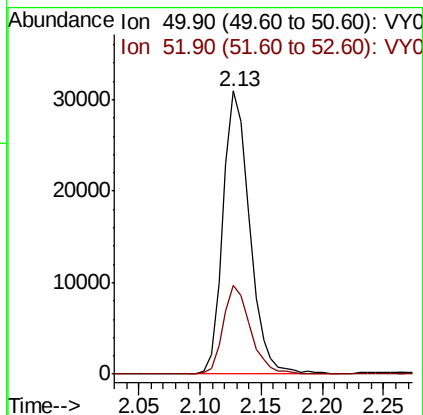
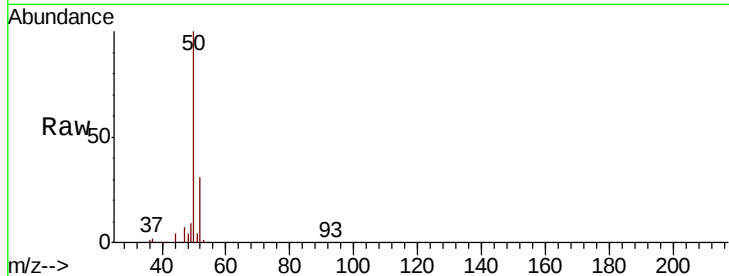
Ion Ratio Lower Upper

50 100

52 31.3 27.3 40.9

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 21.843 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001580.D

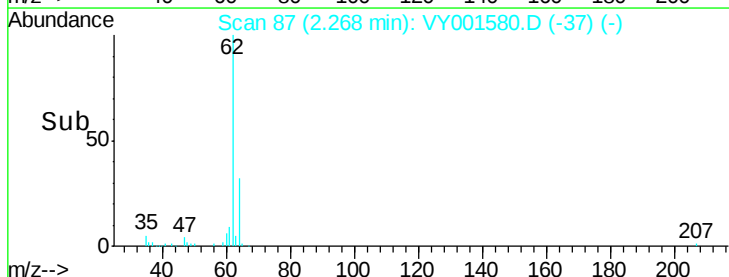
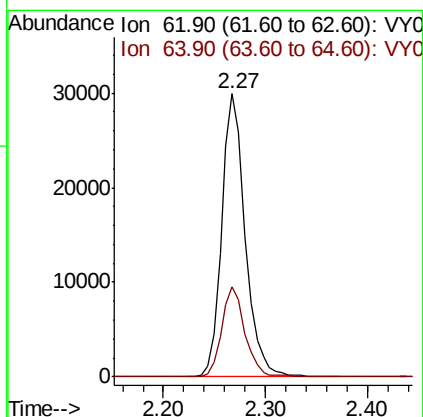
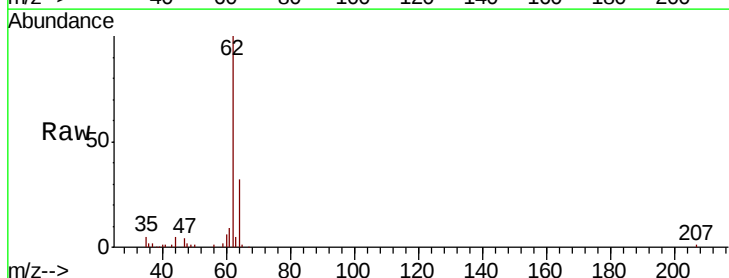
Acq: 10 Feb 2020 13:07

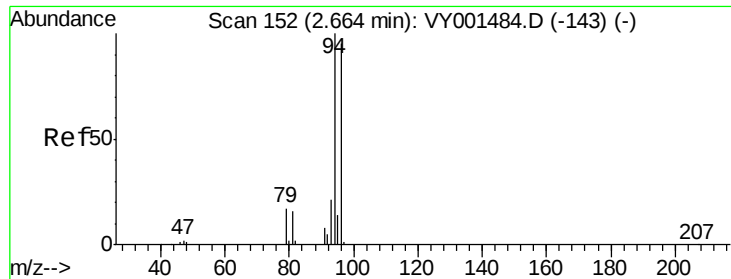
Tgt Ion: 62 Resp: 47747

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6





#5

Bromomethane

Concen: 23.909 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 94 Resp: 32868

Ion Ratio Lower Upper

94 100

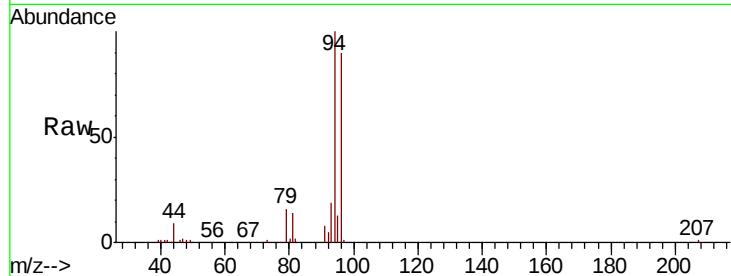
96 89.8 76.2 114.2

Manual Integrations

APPROVED

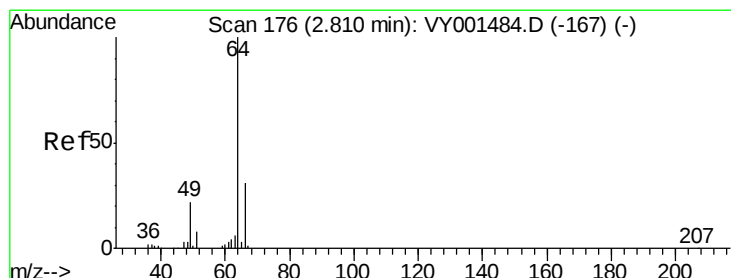
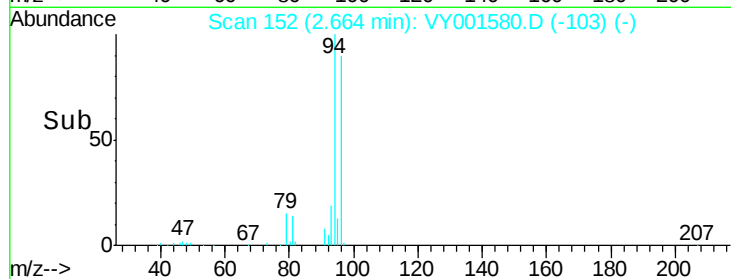
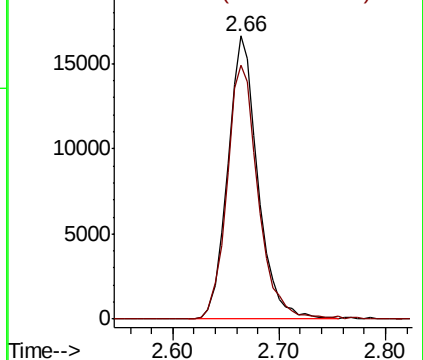
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 23.375 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001580.D

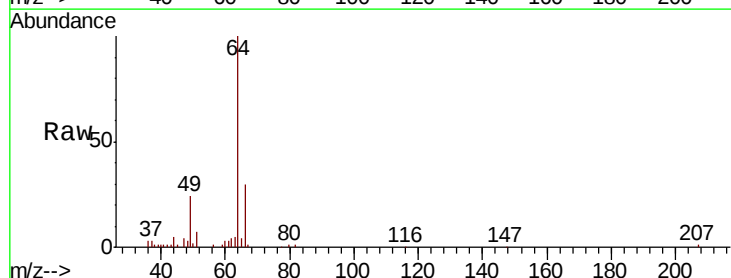
Acq: 10 Feb 2020 13:07

Tgt Ion: 64 Resp: 30798

Ion Ratio Lower Upper

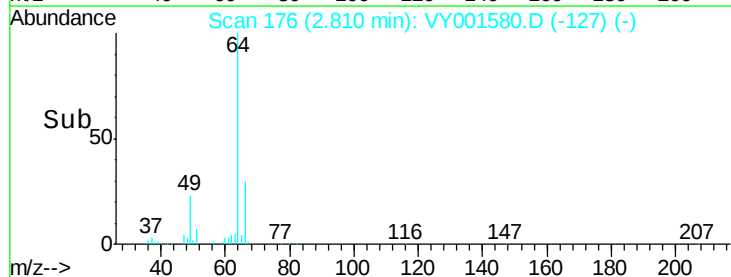
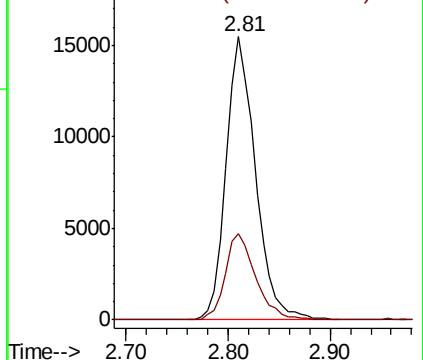
64 100

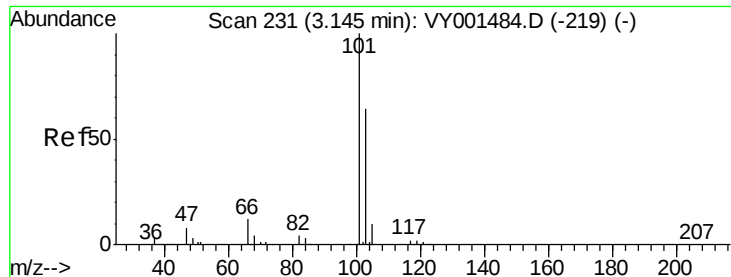
66 30.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

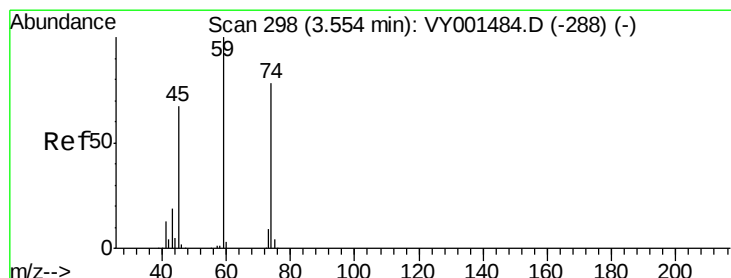
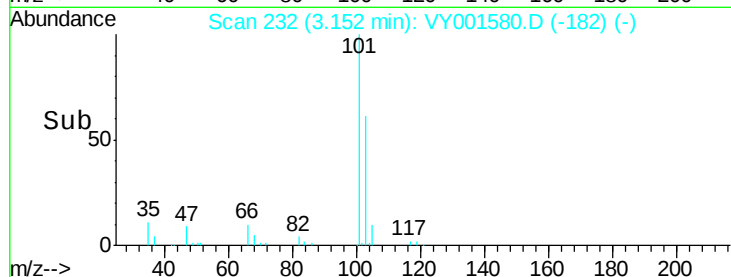
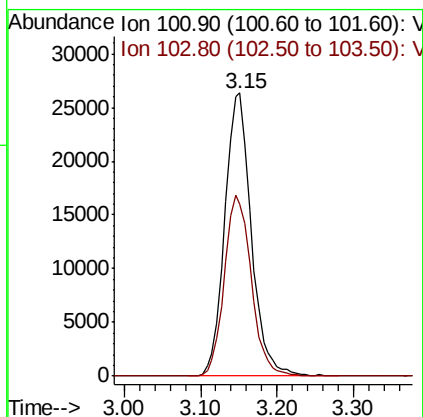
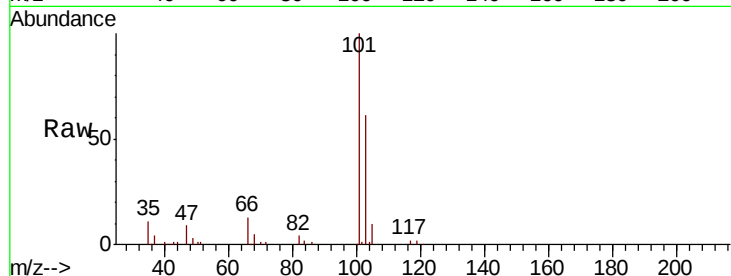
Trichlorofluoromethane
Concen: 17.442 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	50.9	76.3

Manual Integrations
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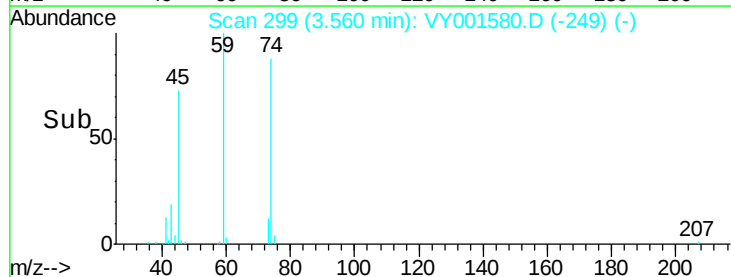
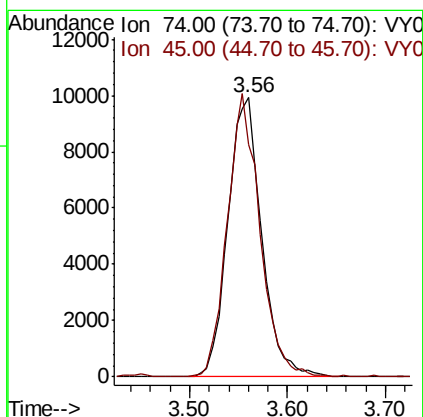
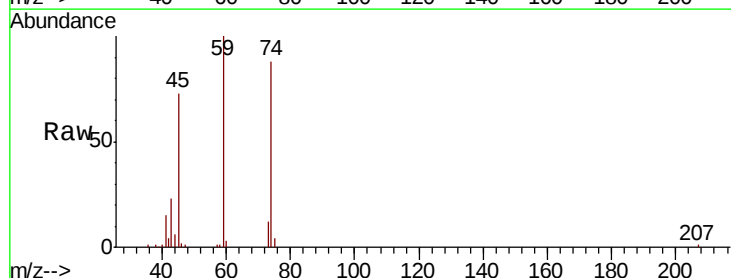
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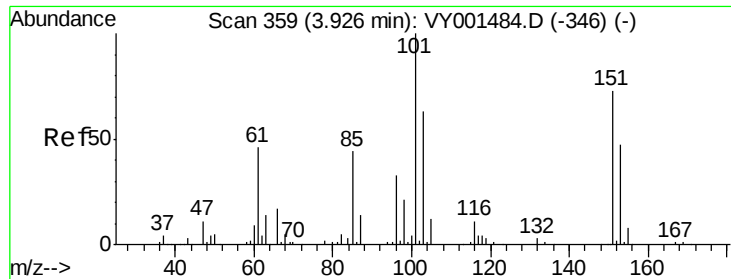


#8

Diethyl Ether
Concen: 19.401 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.283 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

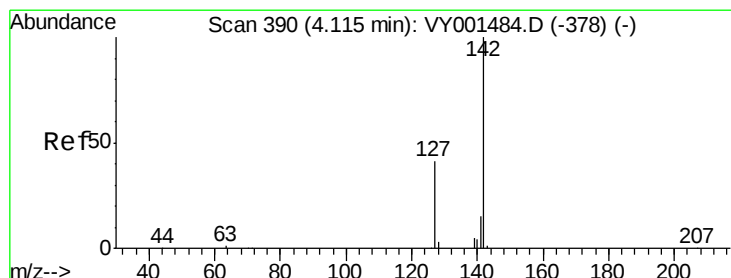
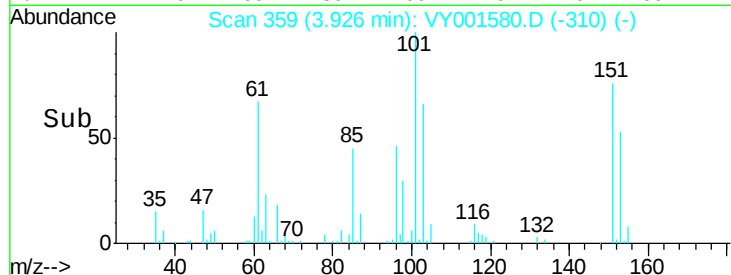
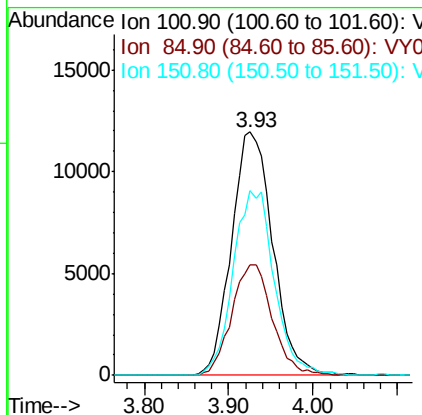
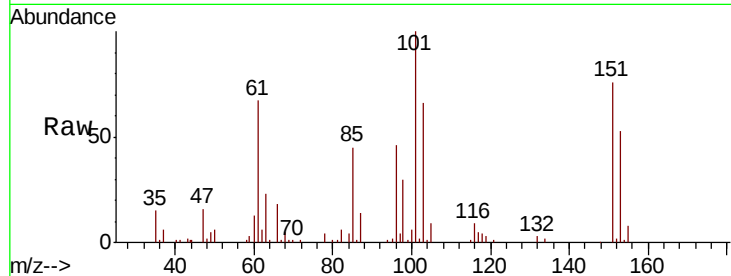
ClientSampleId :

VY0210SBS01

Tot Ion:	101	Resp:	39802
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.6	51.8
151	75.2	60.3	90.5

Manual Integrations
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2/11/2020 6:11:02 PM



#10

Methyl Iodide

Concen: 16.855 ug/l

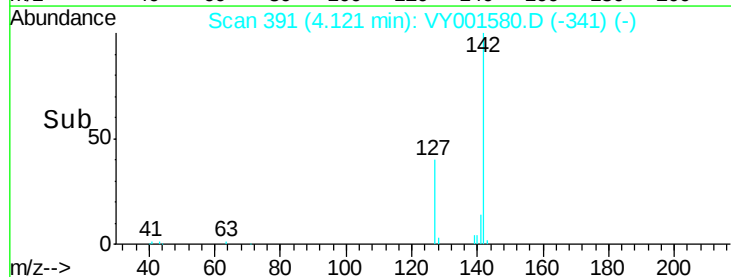
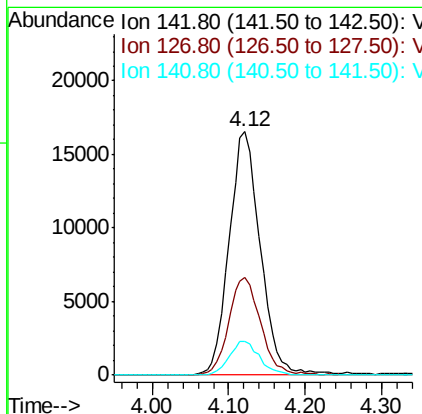
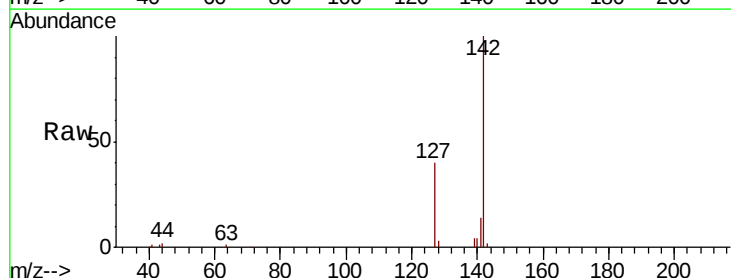
RT: 4.12 min Scan# 391

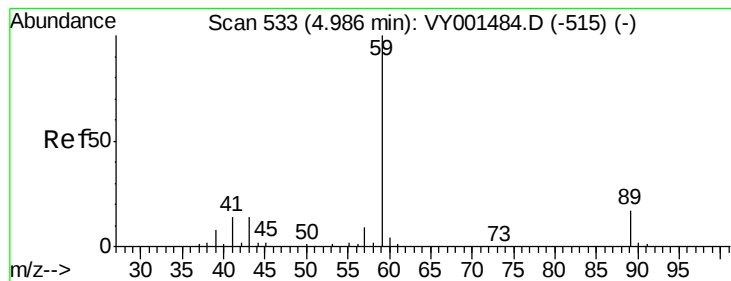
Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Tgt Ion:	142	Resp:	46754
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.3	49.9
141	13.4	11.5	17.3





#11

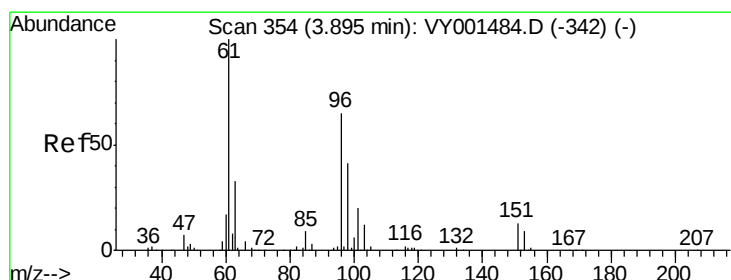
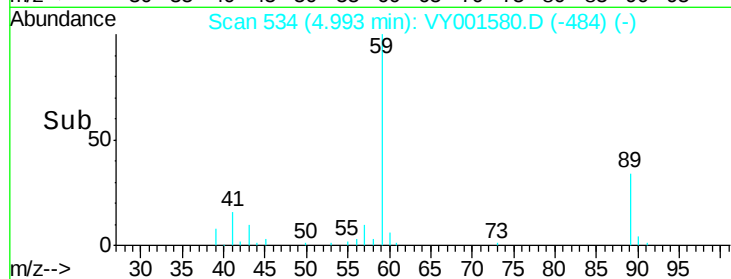
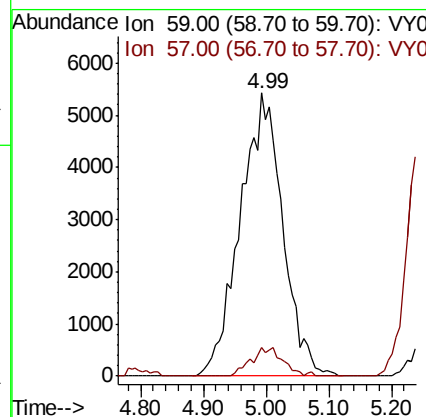
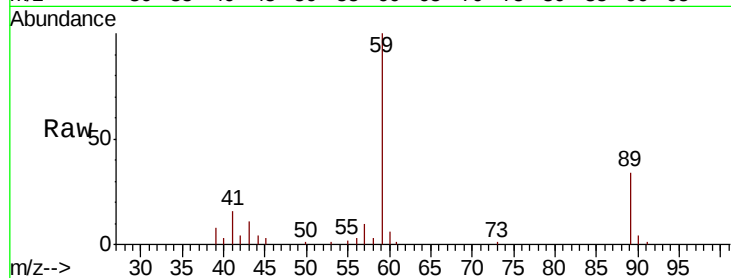
Tert butyl alcohol
Concen: 86.989 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	7.0	10.6

Manual Integrations
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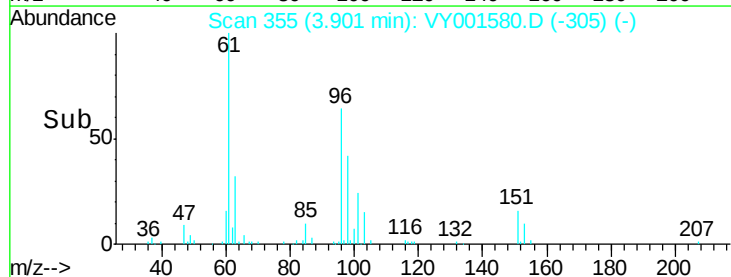
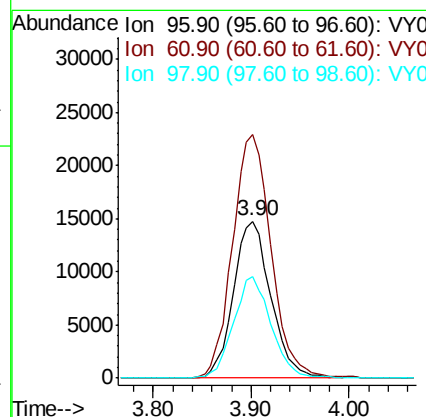
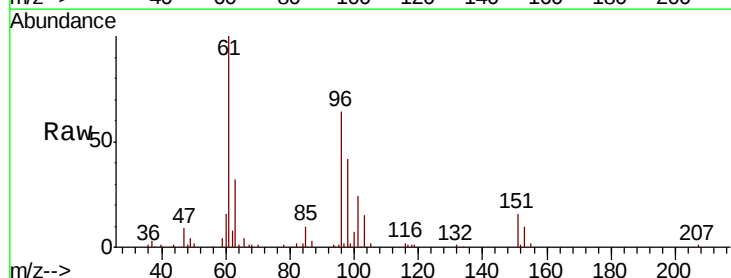
MMDadoda
2/11/2020 6:11:02 PM

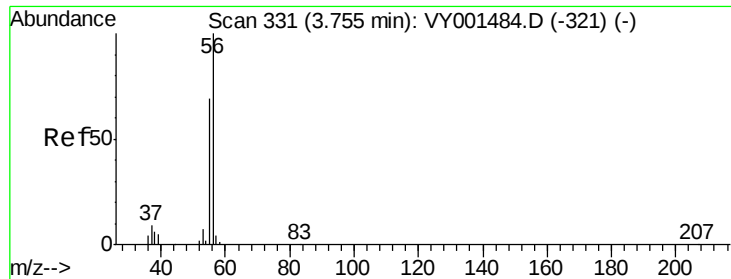


#12

1,1-Dichloroethene
Concen: 18.147 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	122.3	183.5
98	65.1	49.7	74.5





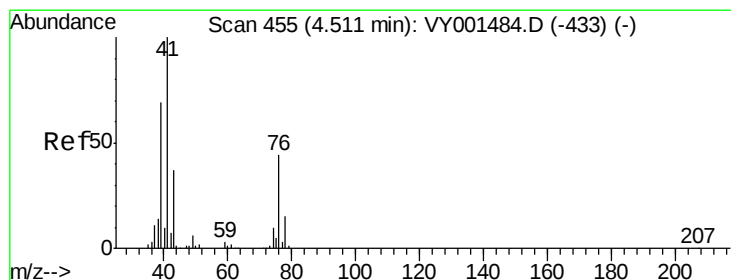
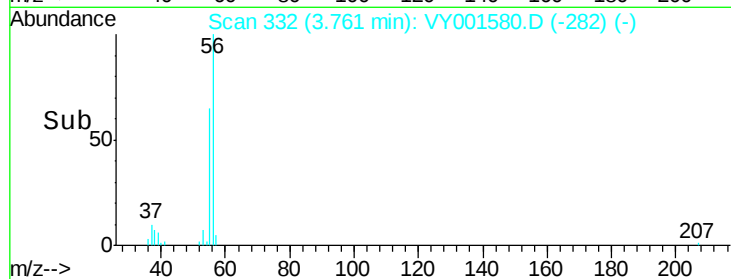
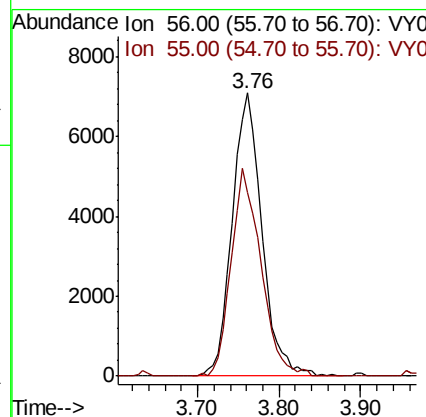
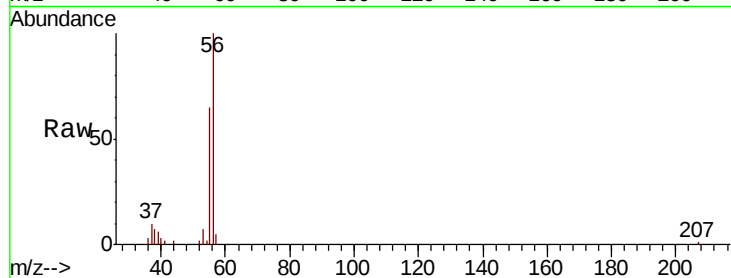
#13
Acrolein
Concen: 90.763 ug/l
RT: 3.76 min Scan# 332
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	56	Resp	17805
Ion Ratio	100	Lower	Upper
56	100		
55	73.8	56.2	84.4

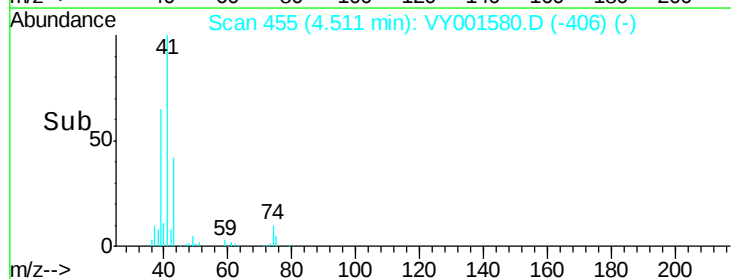
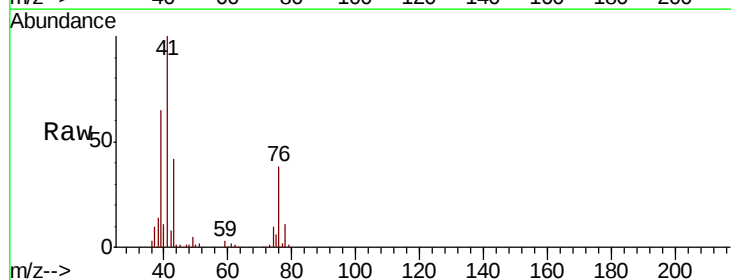
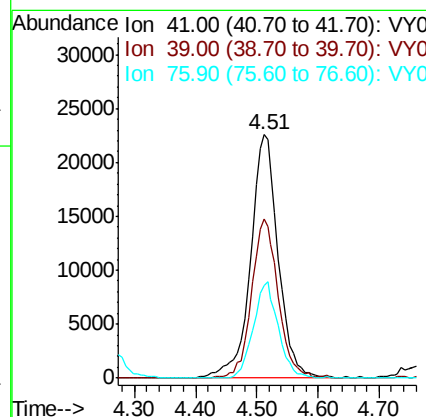
Manual Integrations
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#14
Allyl chloride
Concen: 21.541 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	41	Resp	71287
Ion Ratio	100	Lower	Upper
41	100		
39	62.9	53.0	79.6
76	35.7	32.6	48.8





#15

Acrylonitrile

Concen: 106.793 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

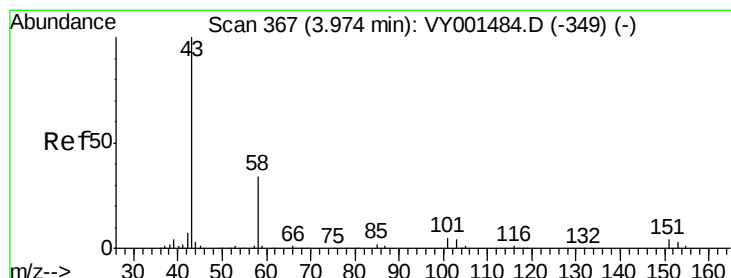
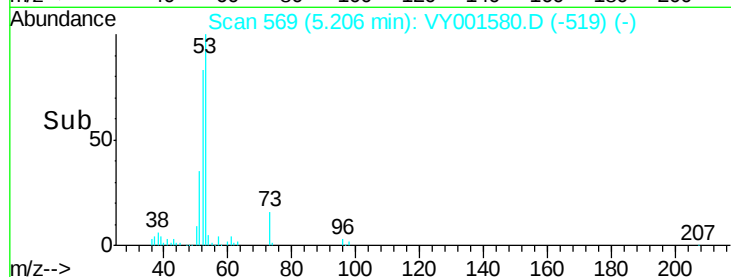
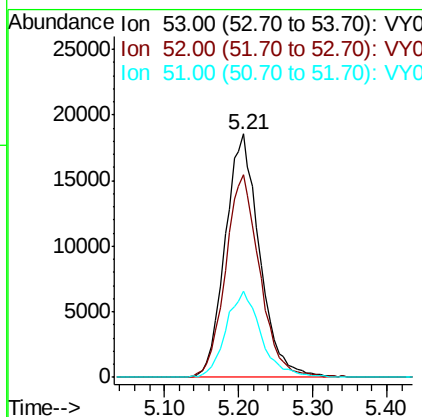
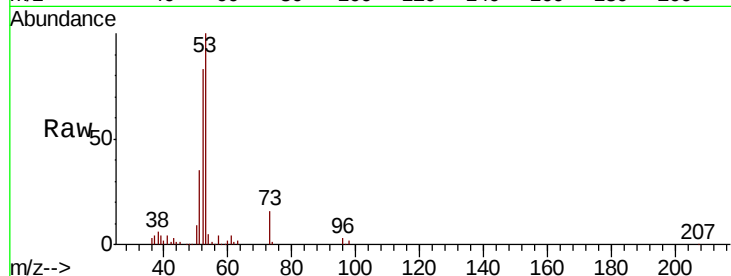
ClientSampleId :

VY0210SBS01

Tot Ion:	53	Resp:	59776
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.4	98.2
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 98.749 ug/l

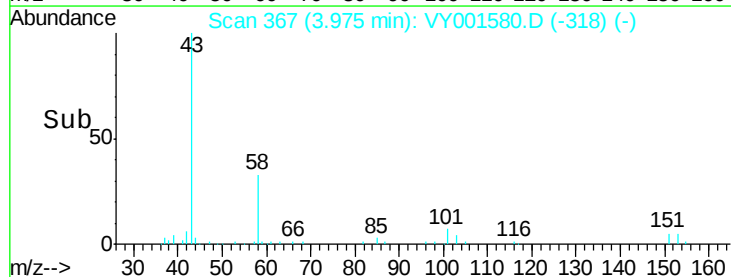
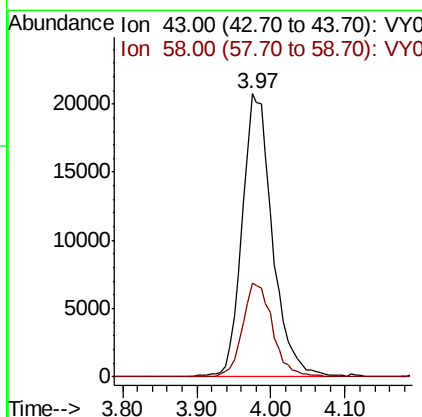
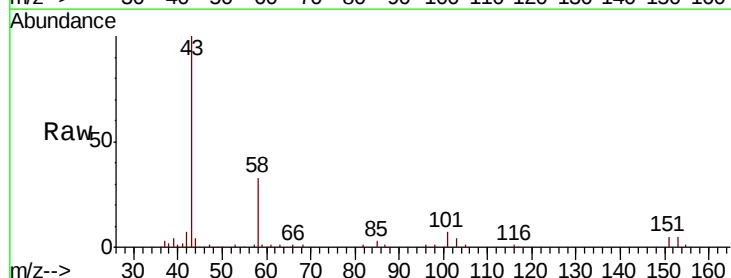
RT: 3.97 min Scan# 367

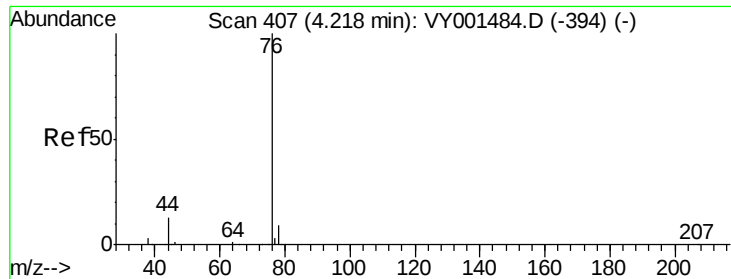
Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Tgt Ion:	43	Resp:	59178
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.5	41.3





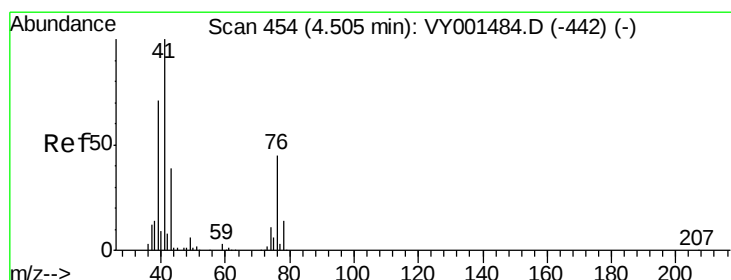
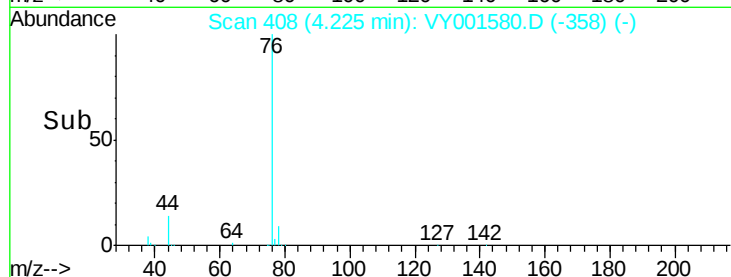
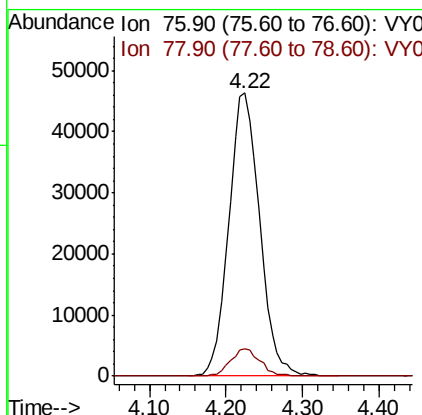
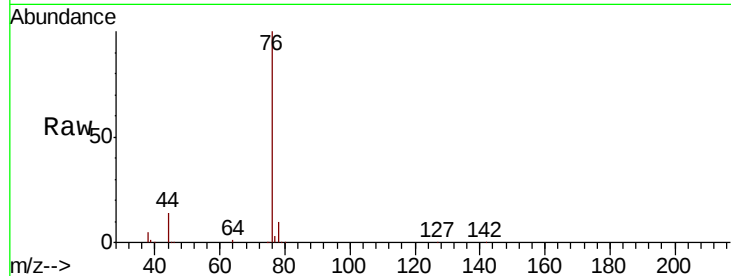
#17
Carbon Disulfide
Concen: 18.799 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

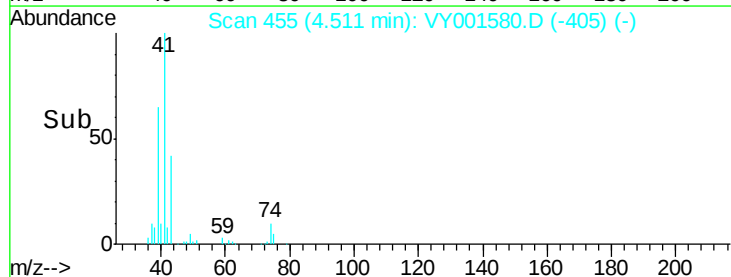
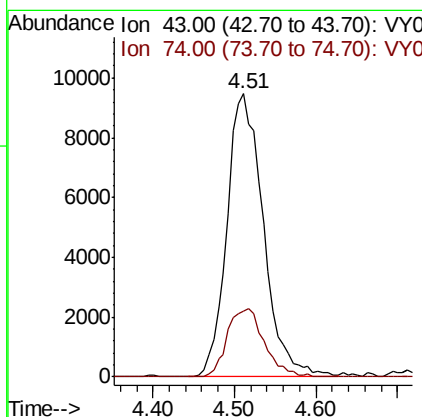
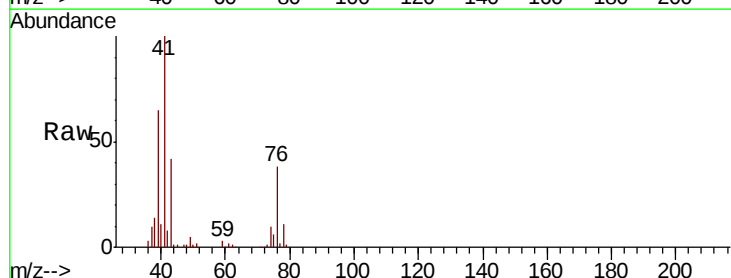
Manual Integrations
APPROVED

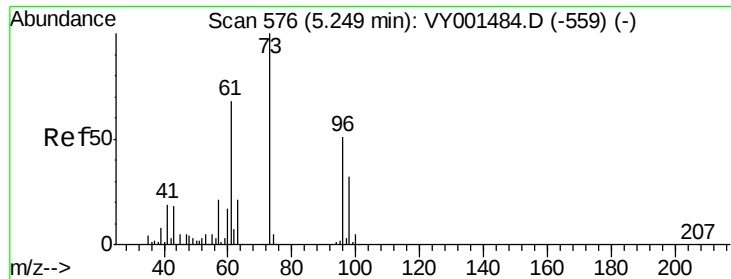
MMDadoda
2/11/2020 6:11:02 PM



#18
Methyl Acetate
Concen: 22.896 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	21.0	31.6





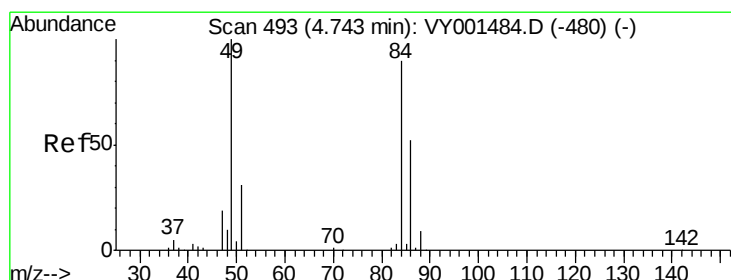
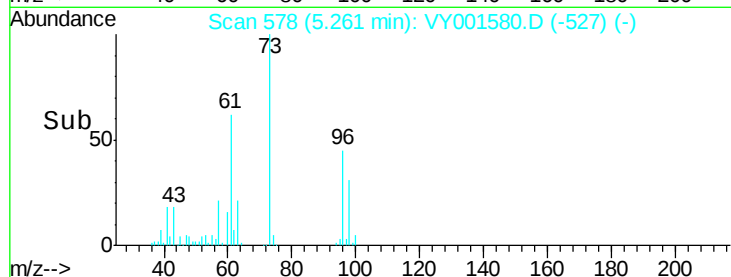
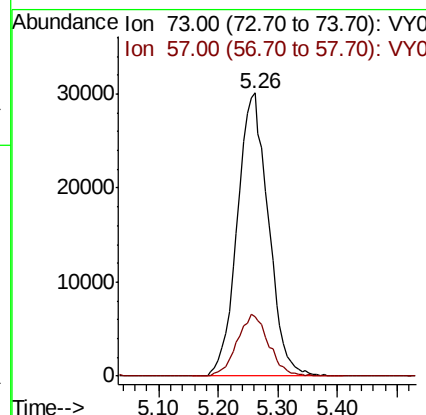
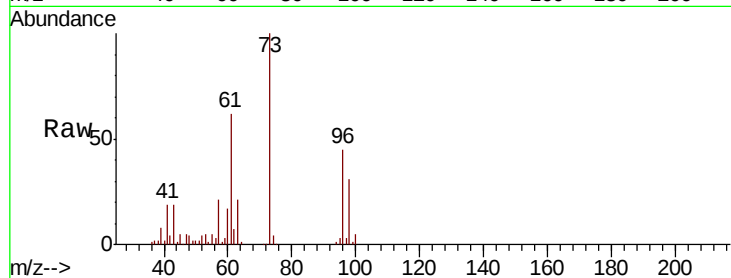
#19
Methyl tert-butyl Ether
Concen: 19.028 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion: 73 Resp: 109468
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.6

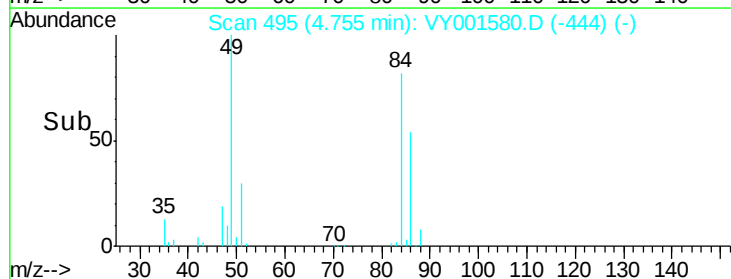
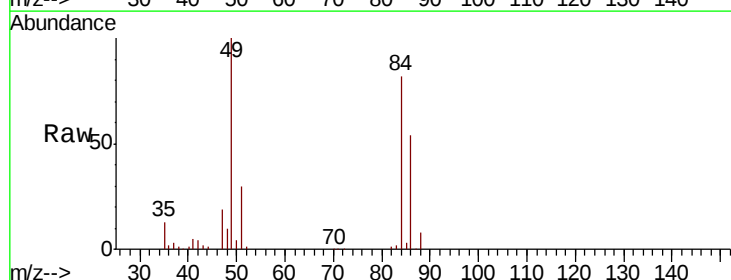
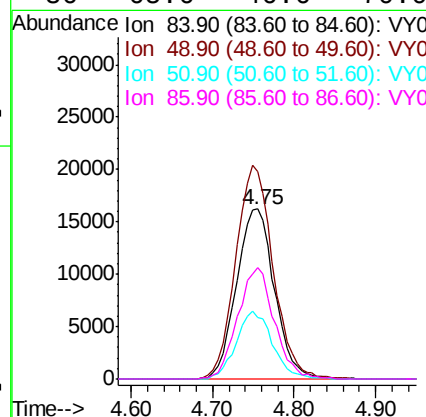
Manual Integrations
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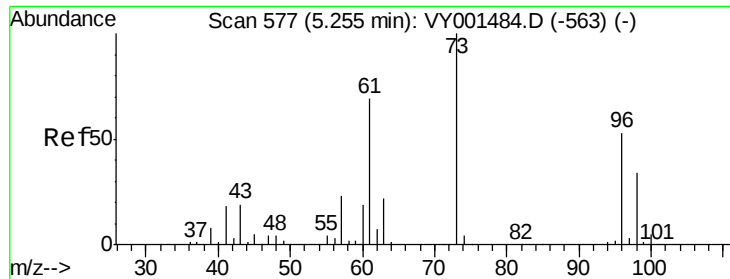
MMDadoda
2/11/2020 6:11:02 PM



#20
Methylene Chloride
Concen: 19.378 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion: 84 Resp: 52263
Ion Ratio Lower Upper
84 100
49 122.3 89.0 133.6
51 36.5 27.4 41.2
86 65.6 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 18.784 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 96 Resp: 45175

Ion Ratio Lower Upper

96 100

61 126.5 104.2 156.4

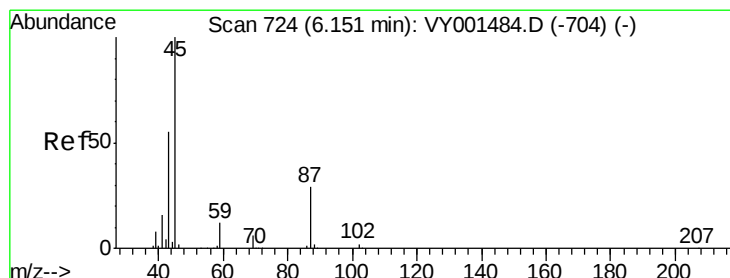
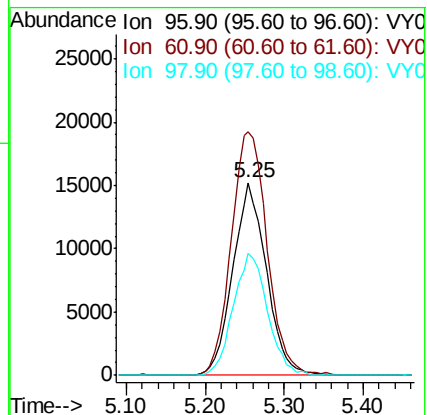
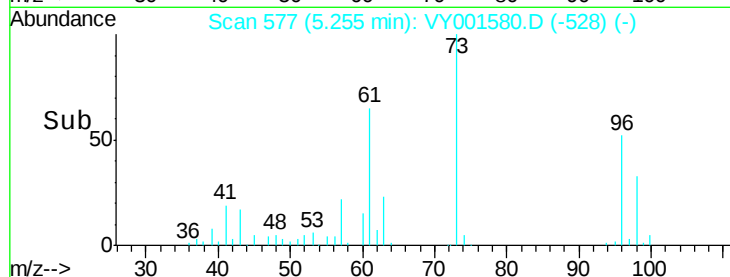
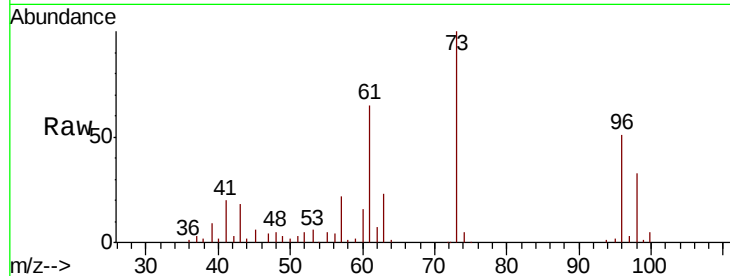
98 63.3 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.809 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Tgt Ion: 45 Resp: 142996

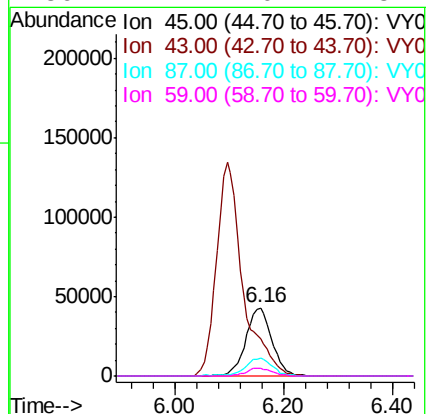
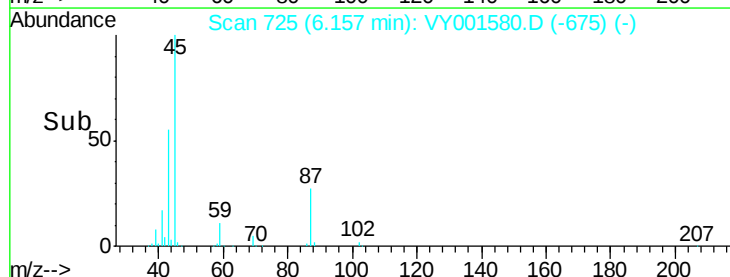
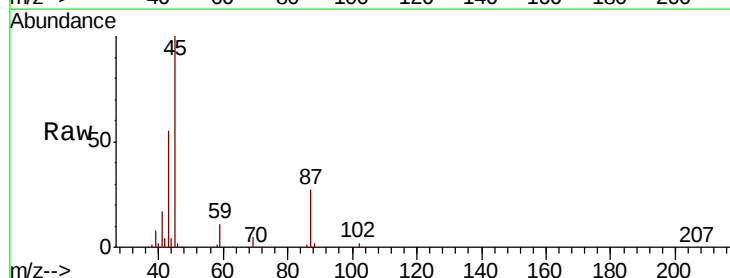
Ion Ratio Lower Upper

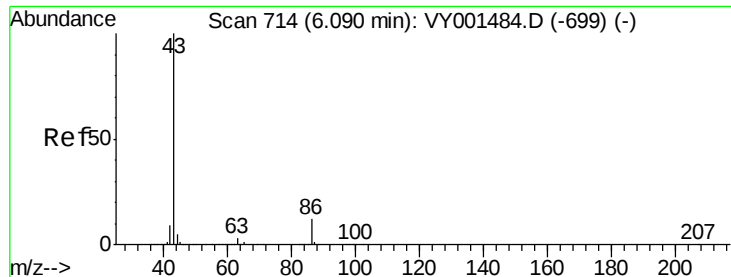
45 100

43 54.9 44.2 66.4

87 26.7 23.9 35.9

59 11.1 10.2 15.2





#23

Vinyl Acetate

Concen: 108.053 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 43 Resp: 451002

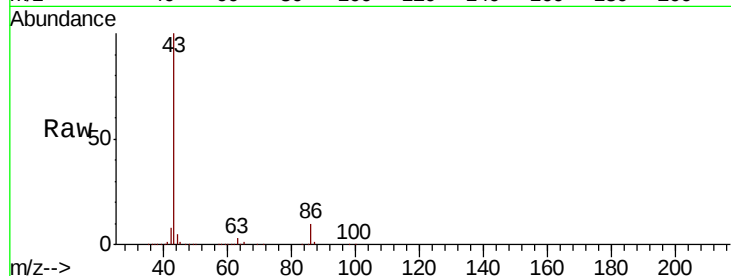
Ion Ratio Lower Upper

43 100

86 10.4 9.8 14.8

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

Ion 86.00 (85.70 to 86.70): VY0

6.10

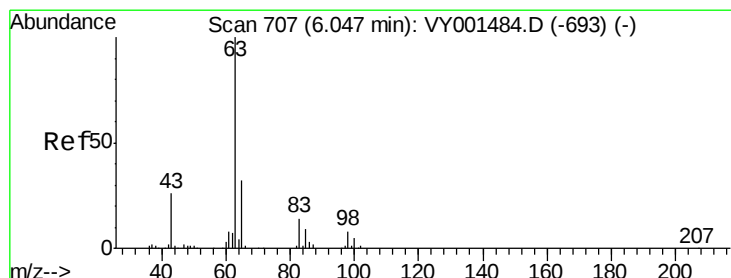
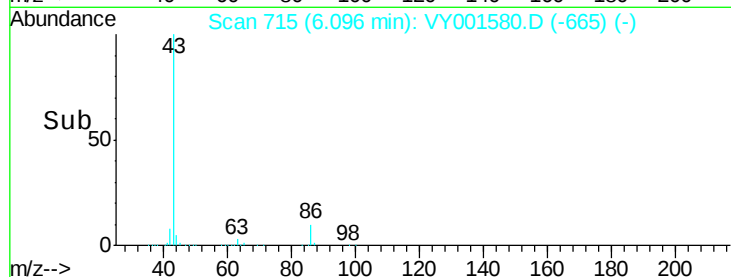
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.821 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

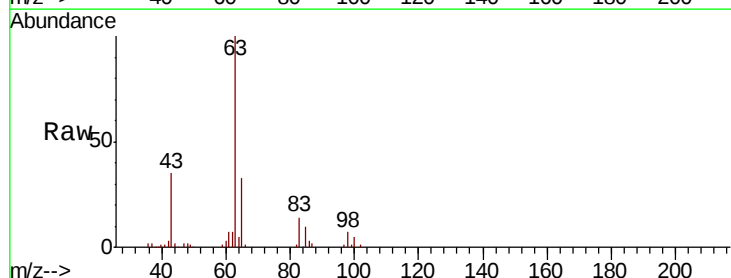
Tgt Ion: 63 Resp: 78171

Ion Ratio Lower Upper

63 100

98 6.7 4.0 11.9

100 4.7 2.6 8.0



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

6.05

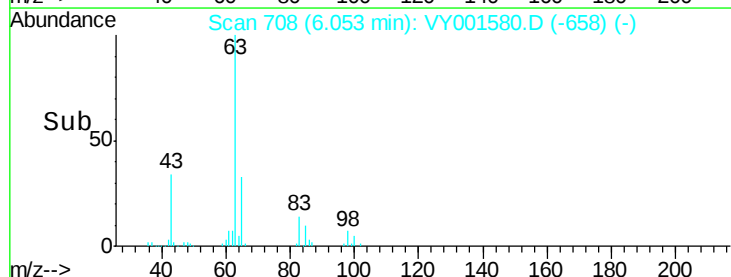
30000

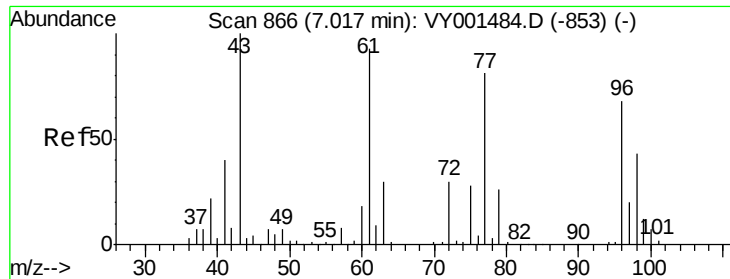
20000

10000

0

Time-->





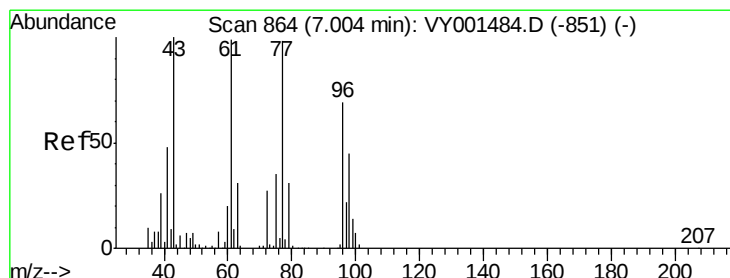
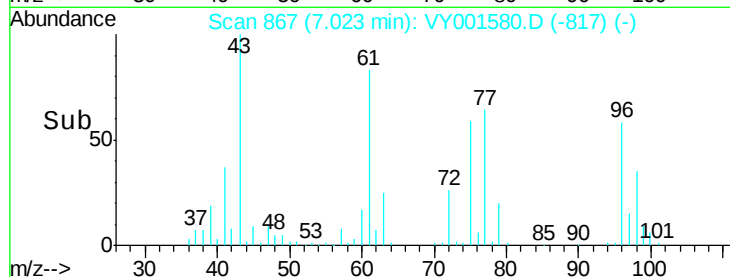
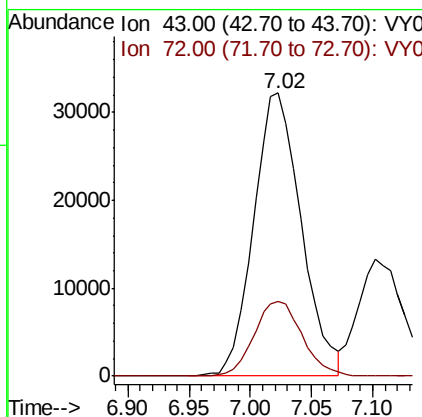
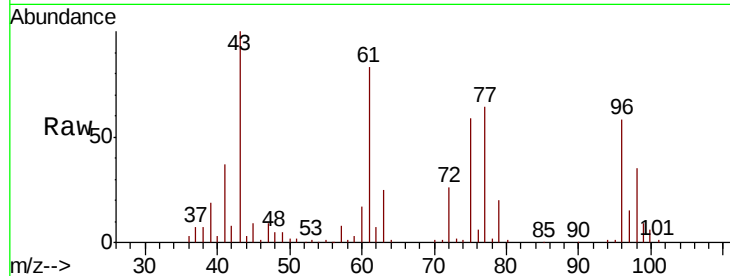
#25
2-Butanone
Concen: 112.099 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion: 43 Resp: 87153
Ion Ratio Lower Upper
43 100
72 26.2 23.8 35.8

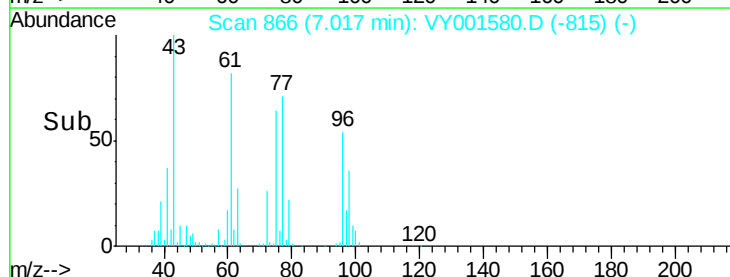
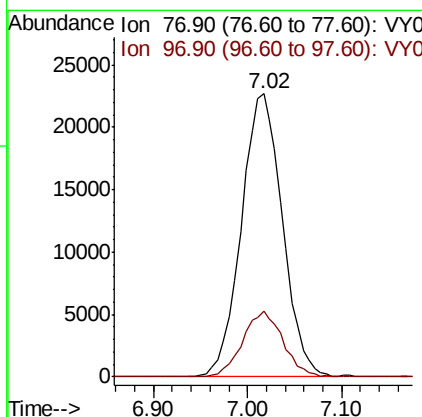
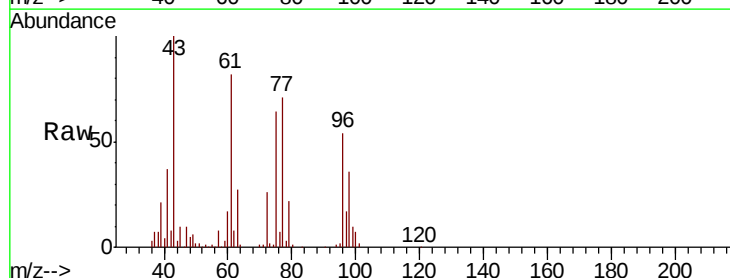
Manual Integrations
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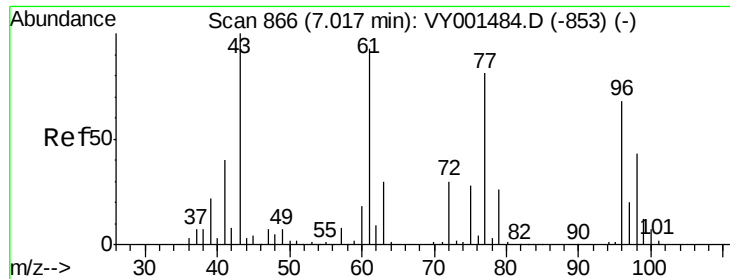
MMDadoda
2/11/2020 6:11:02 PM



#26
2,2-Dichloropropane
Concen: 18.309 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion: 77 Resp: 69106
Ion Ratio Lower Upper
77 100
97 22.8 11.7 35.0





#27

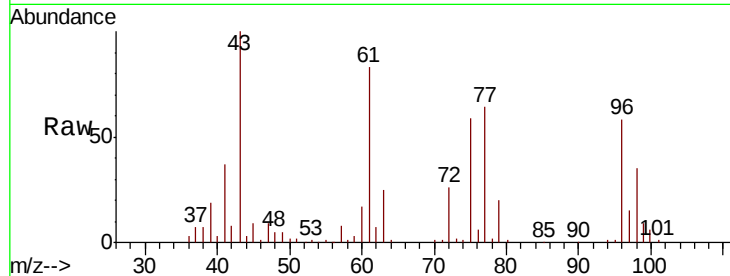
cis-1,2-Dichloroethene
Concen: 19.177 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	278.8
98	64.2	0.0	128.8

Manual Integrations
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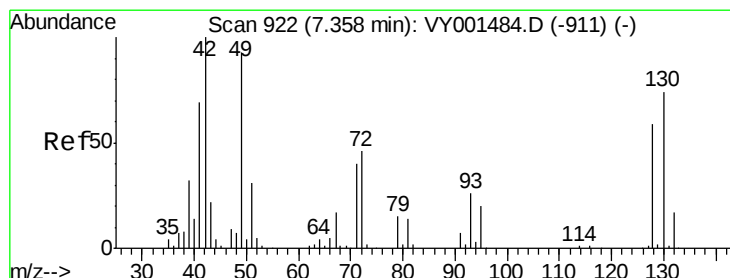
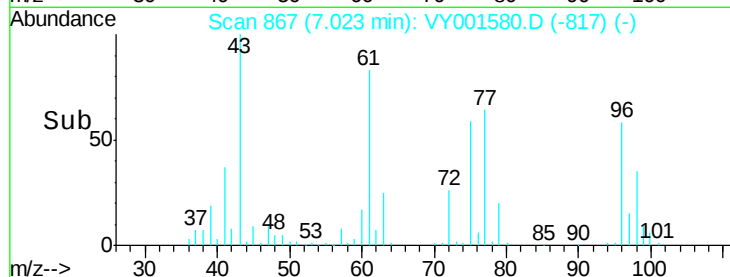
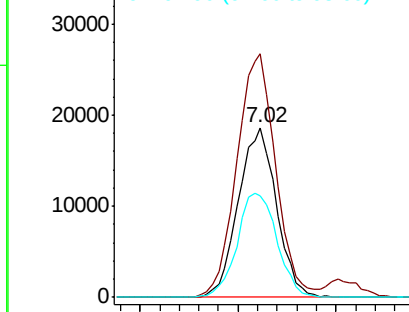


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

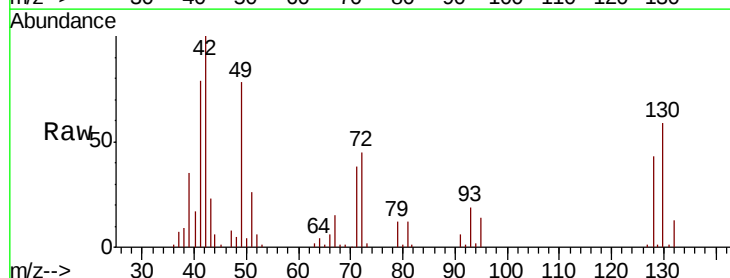
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 20.278 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	73.2	65.4	98.2

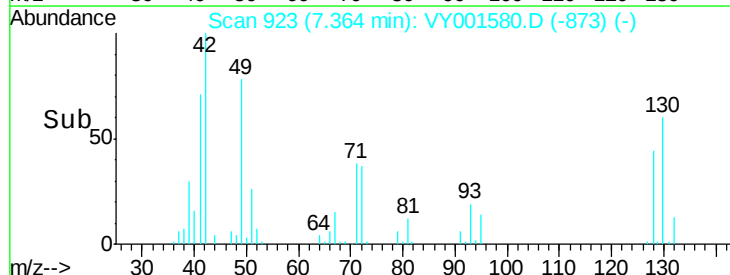
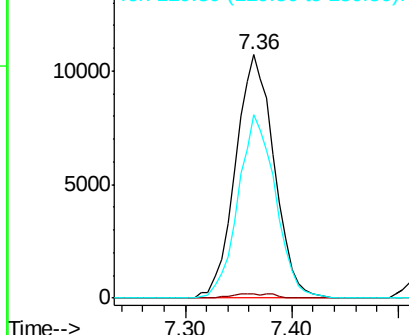


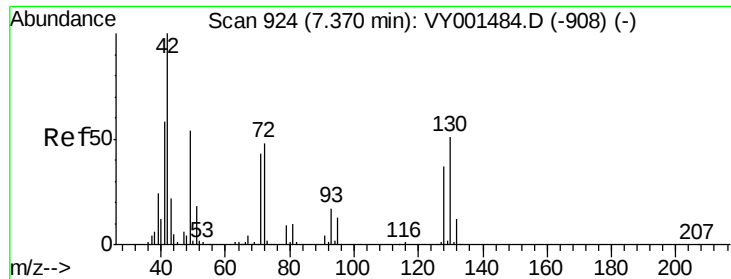
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





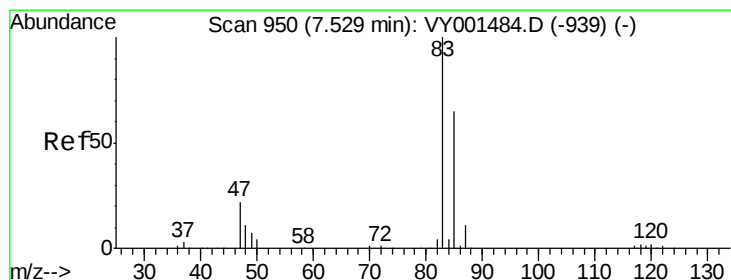
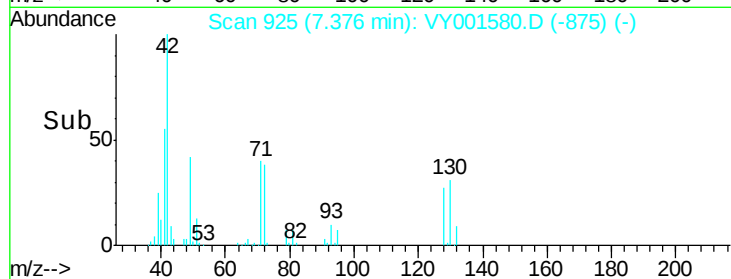
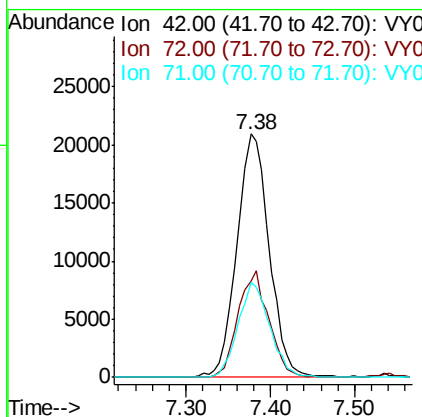
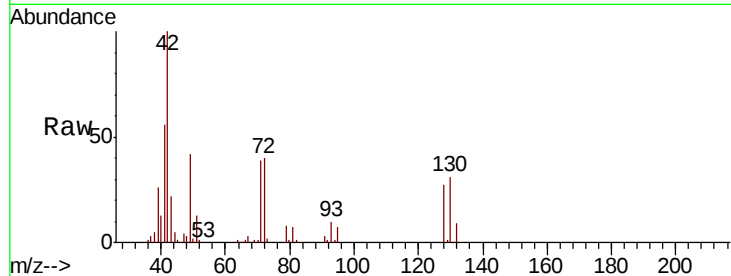
#29
Tetrahydrofuran
Concen: 116.443 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	37.8	56.6
71	38.1	34.8	52.2

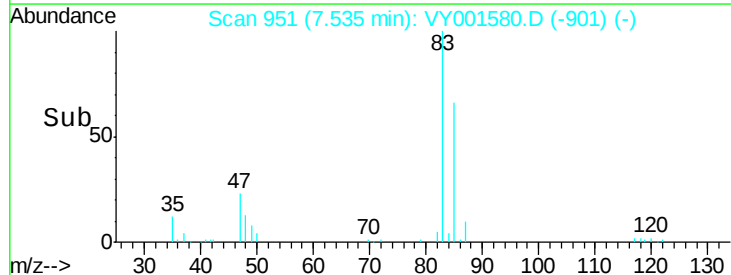
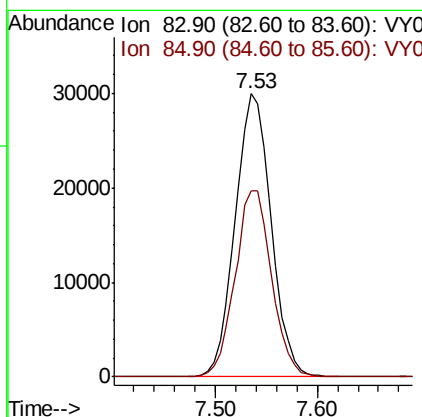
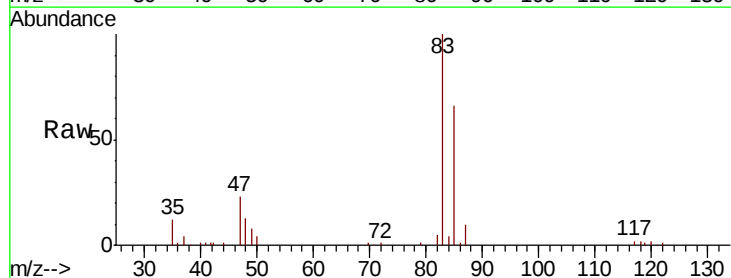
Manual Integrations
APPROVED

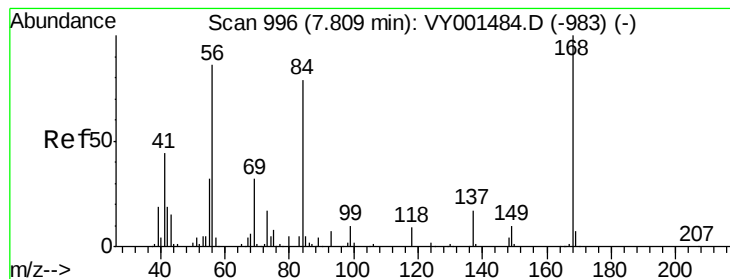
MMDadoda
2/11/2020 6:11:02 PM



#30
Chloroform
Concen: 18.384 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.4	78.6





#31

Cyclohexane

Concen: 20.289 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

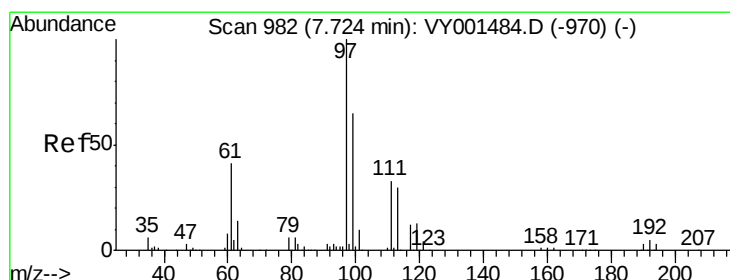
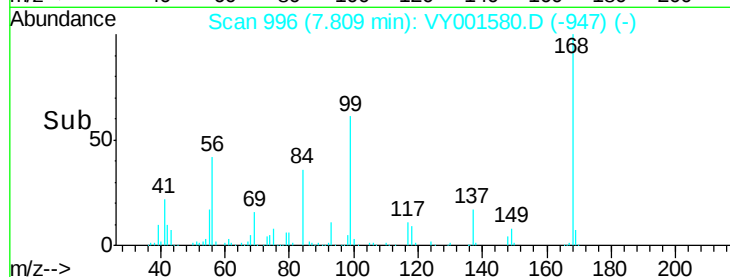
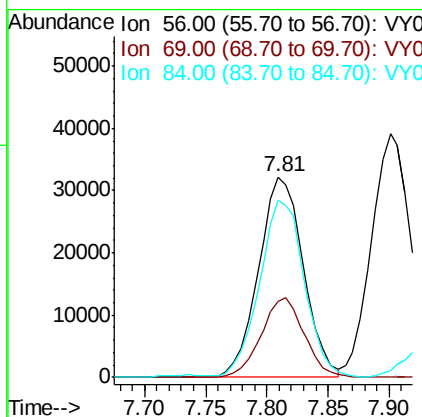
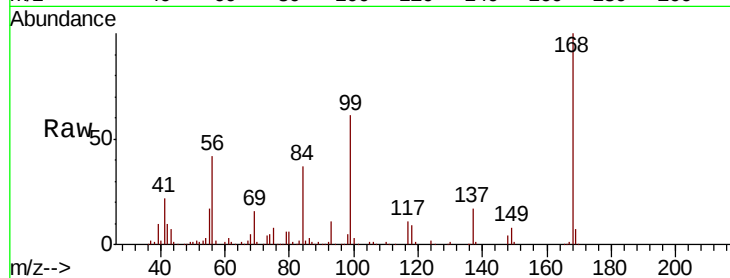
ClientSampleId :

VY0210SBS01

Tot Ion:	56	Resp:	81848
Ion Ratio	Lower	Upper	
56	100		
69	37.6	29.6	44.4
84	87.0	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.974 ug/l

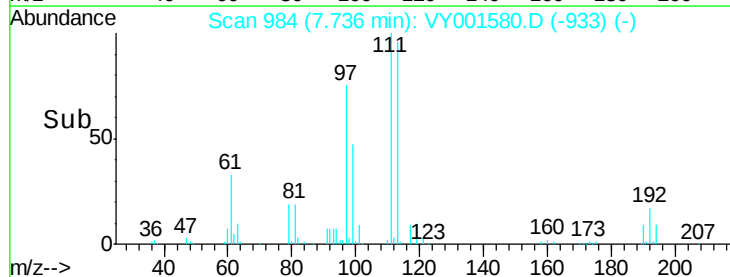
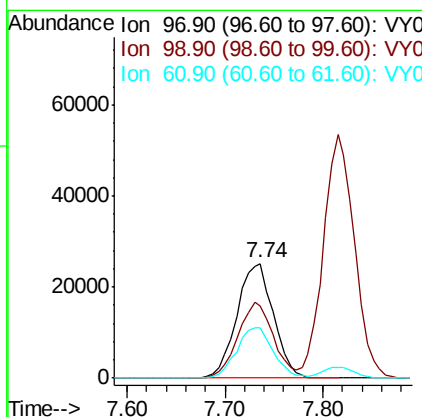
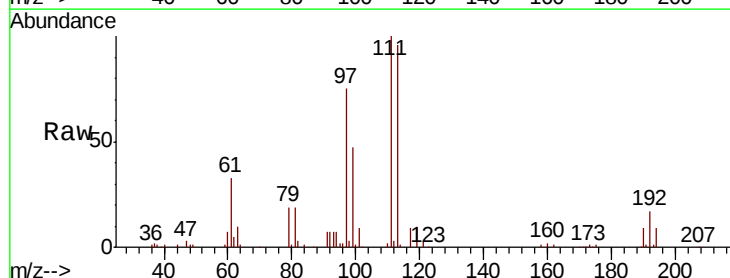
RT: 7.74 min Scan# 984

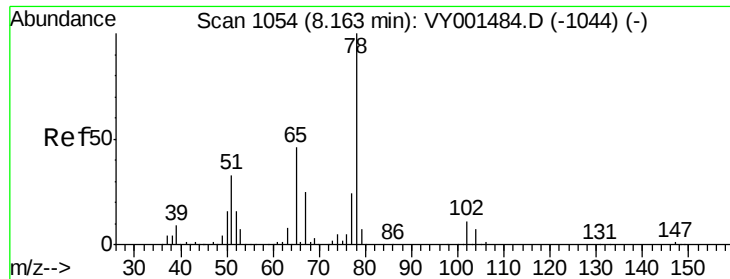
Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Tgt Ion:	97	Resp:	65098
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.8	77.8
61	44.6	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 49.801 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 65 Resp: 103175

Ion Ratio Lower Upper

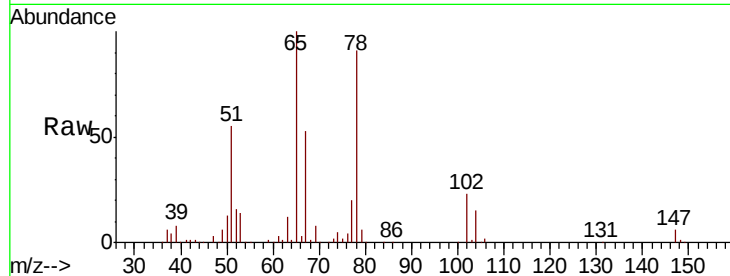
65 100

67 55.1 0.0 108.6

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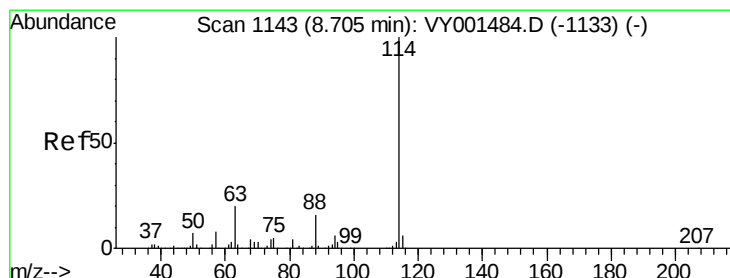
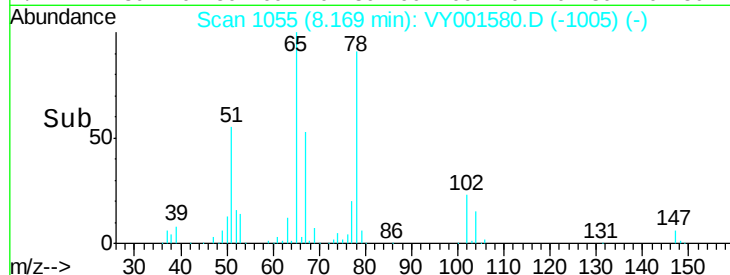
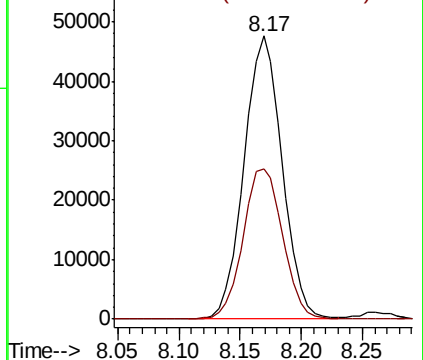
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

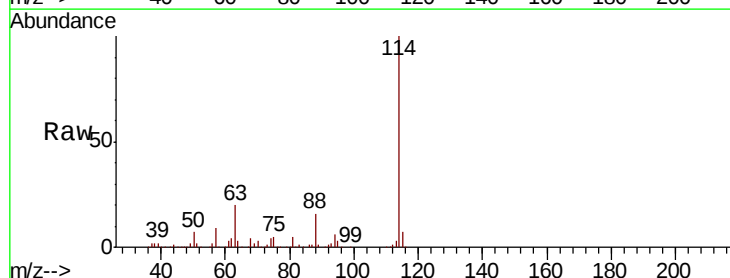
Tgt Ion: 114 Resp: 355764

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

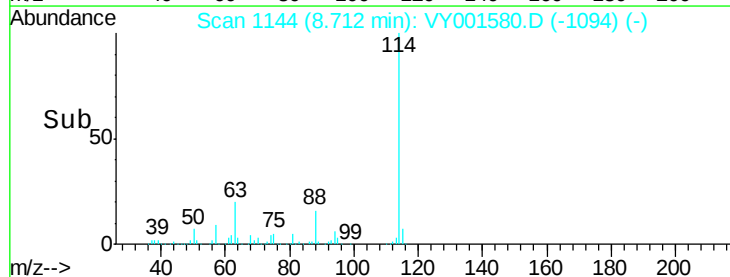
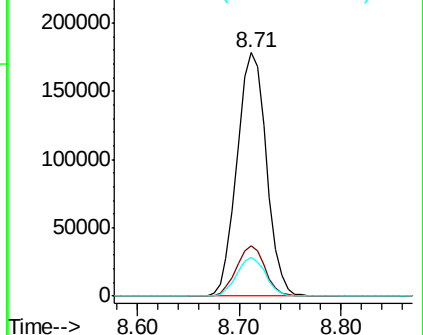
88 15.9 0.0 32.6

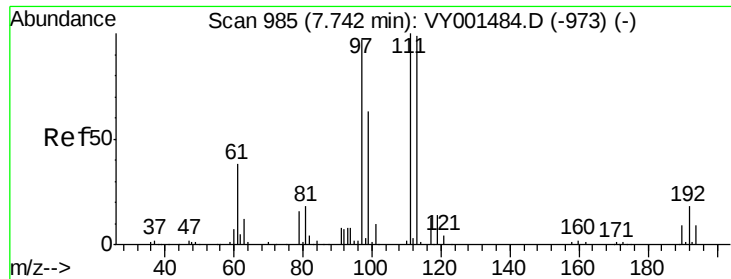


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





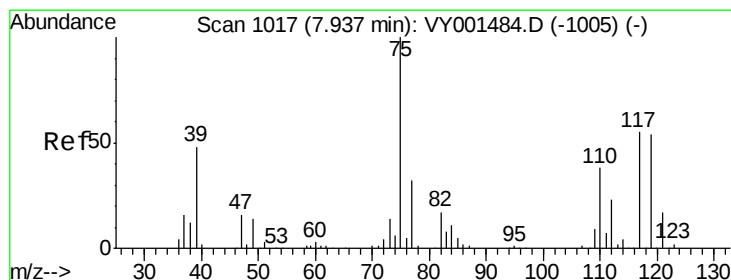
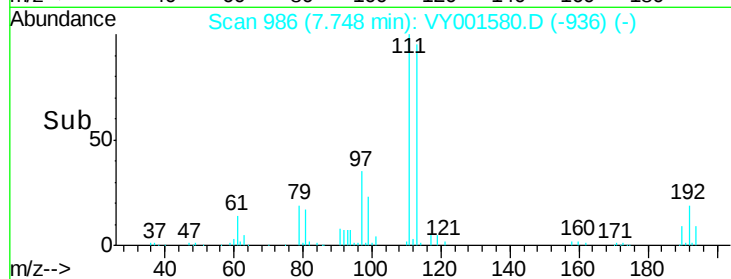
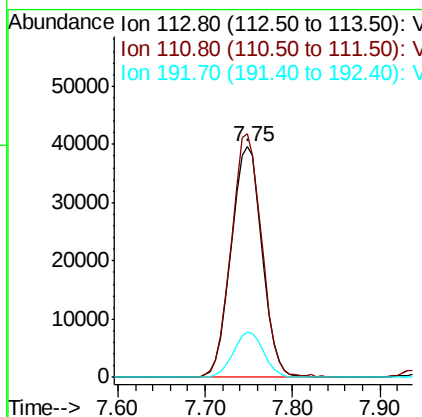
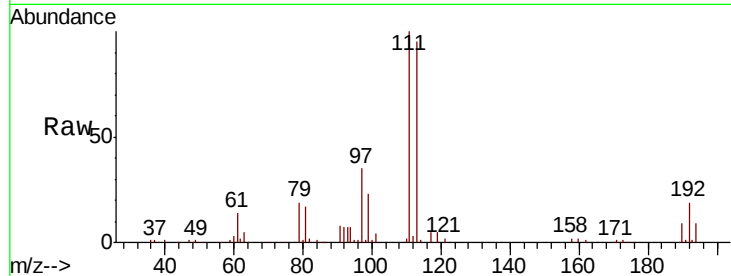
#35
 Dibromofluoromethane
 Concen: 47.552 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	19.2	14.6	22.0

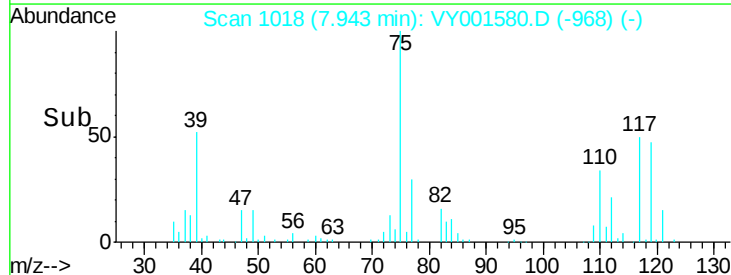
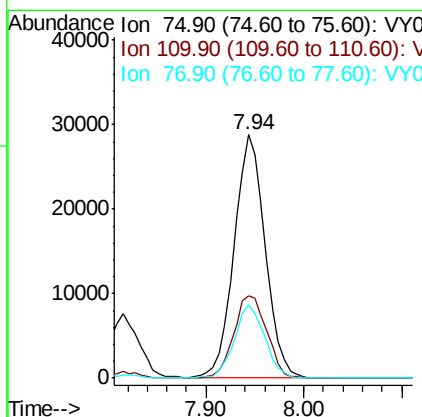
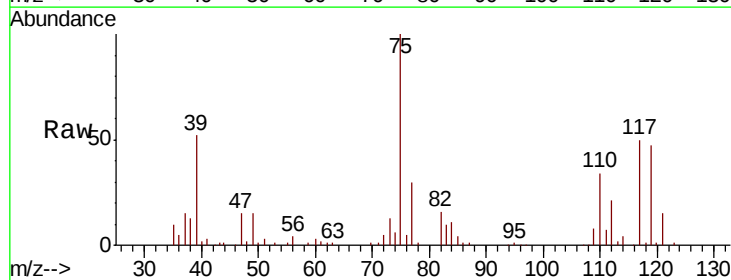
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 19.507 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	29.7	25.0	37.4





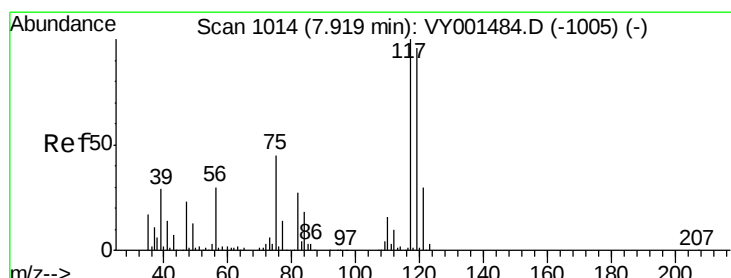
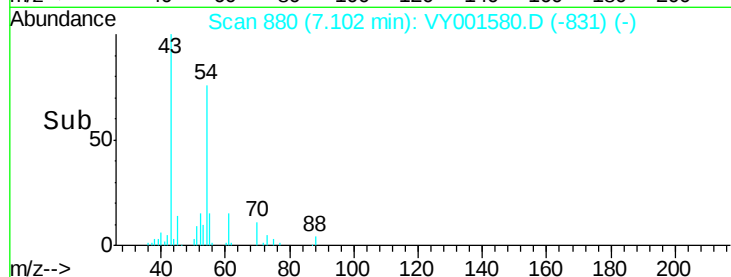
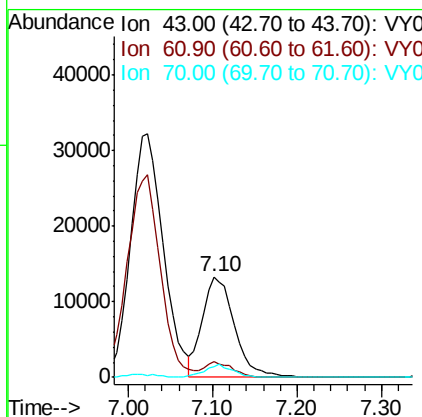
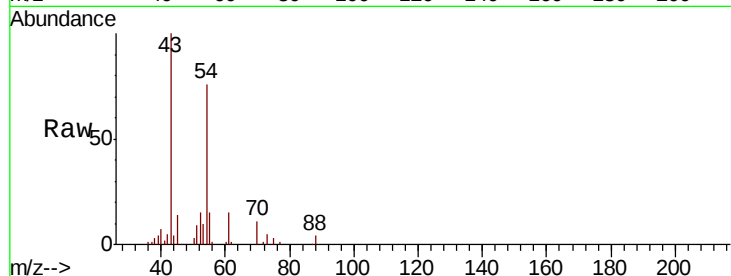
#37
Ethyl Acetate
Concen: 22.478 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.0	18.0
70	11.2	10.2	15.4

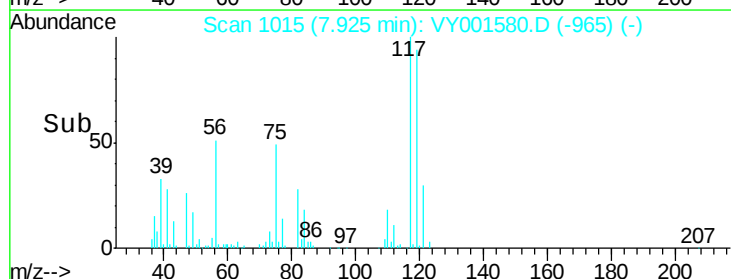
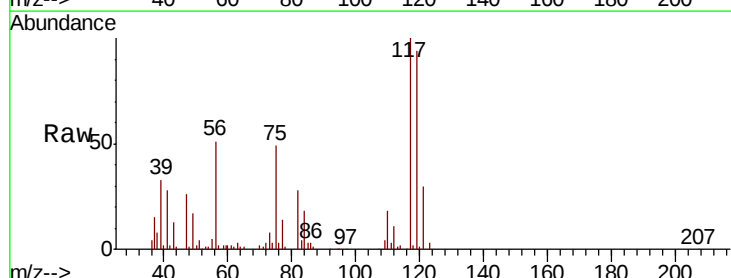
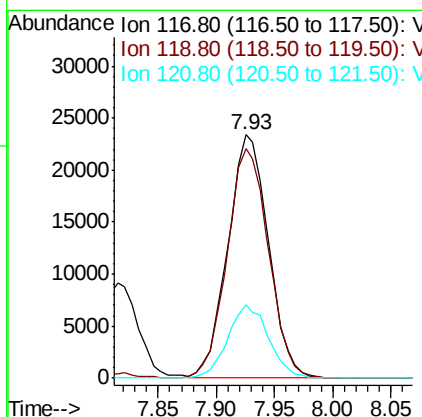
Manual Integrations
APPROVED

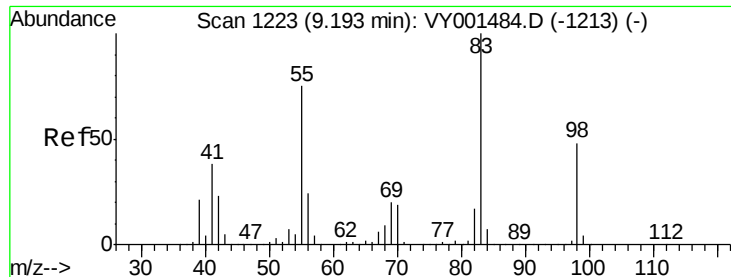
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.102 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.4	114.6
121	29.9	24.2	36.4





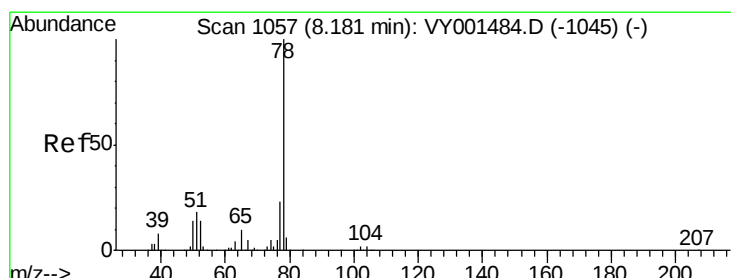
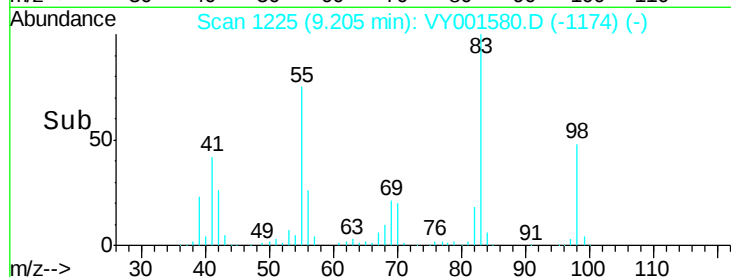
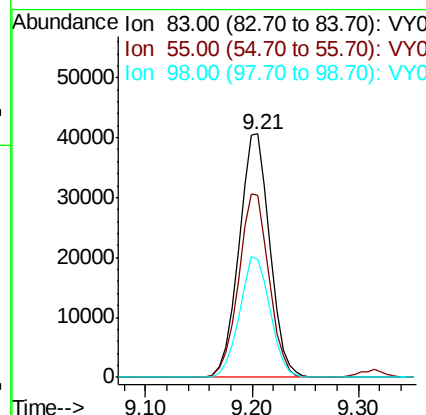
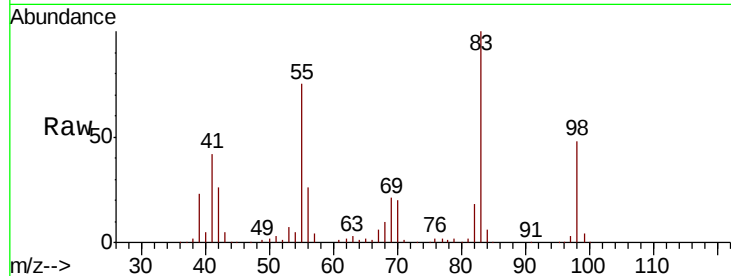
#39
Methvlcvclohexane
Concen: 19.248 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	83	Resp	82485
Ion Ratio	100	Lower	Upper
83	100		
55	74.8	59.8	89.6
98	48.3	38.6	57.8

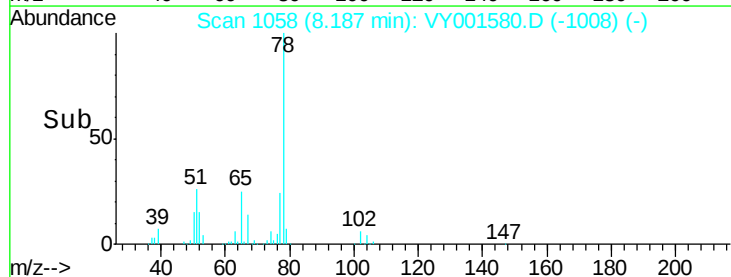
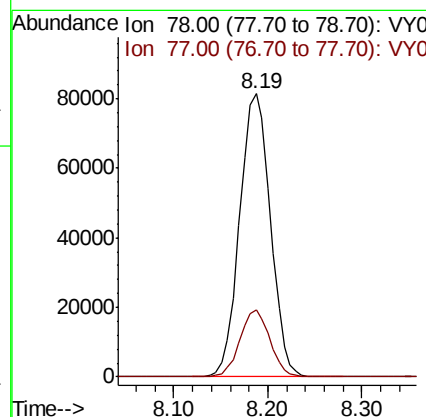
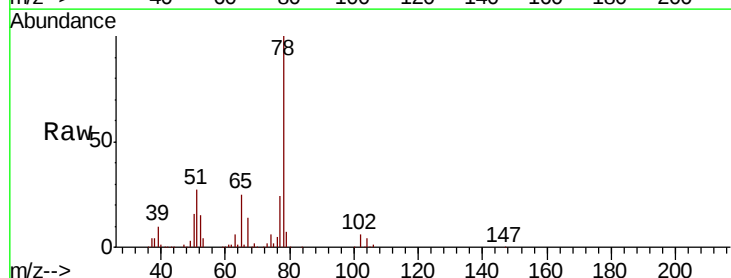
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#40
Benzene
Concen: 19.863 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	78	Resp	184392
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.5	27.7





#41

Methacrylonitrile

Concen: 24.751 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 41 Resp: 18073

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

67 0.0 0.0 0.0

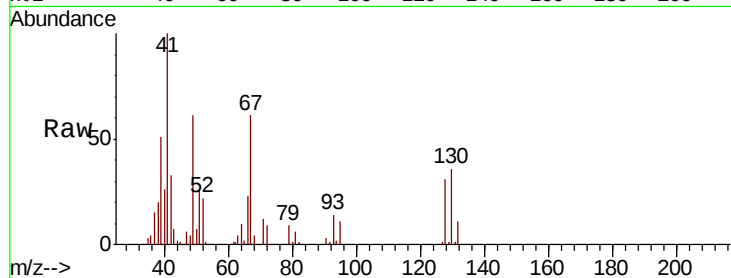
52 0.0 0.0 0.0

Manual Integrations

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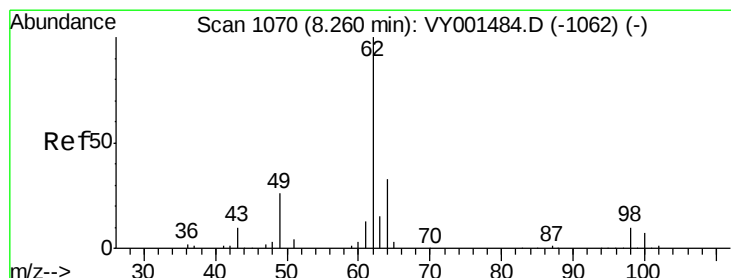
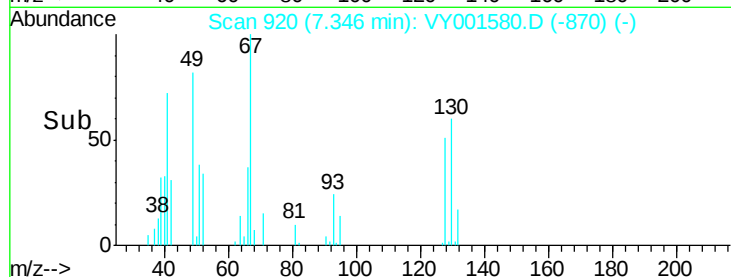
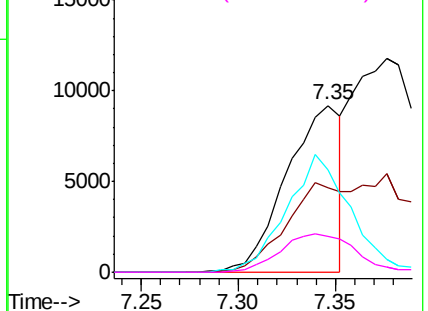


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 19.525 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001580.D

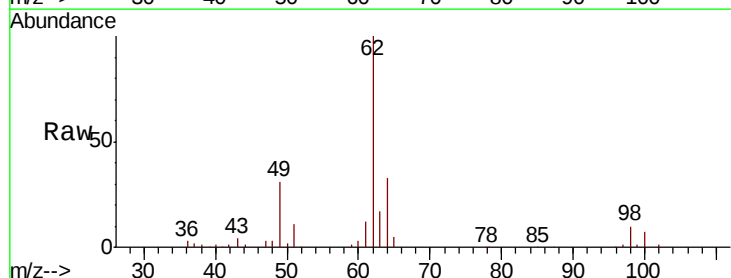
Acq: 10 Feb 2020 13:07

Tgt Ion: 62 Resp: 50497

Ion Ratio Lower Upper

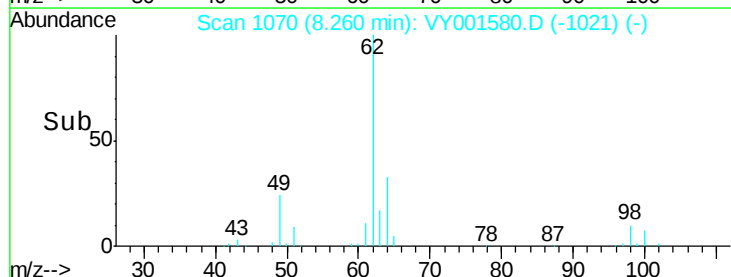
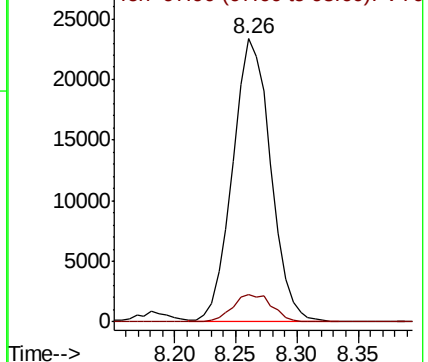
62 100

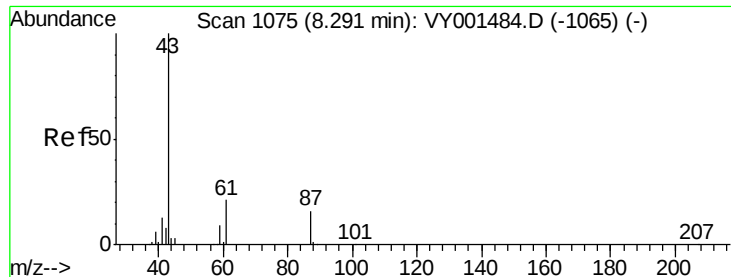
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





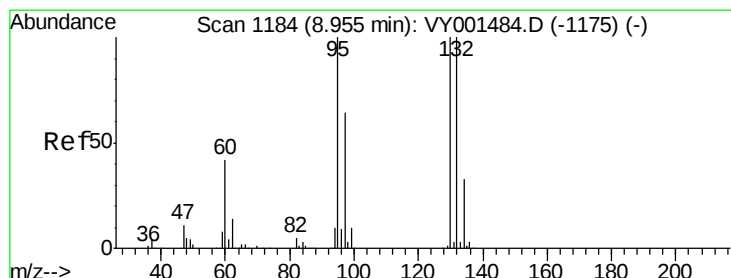
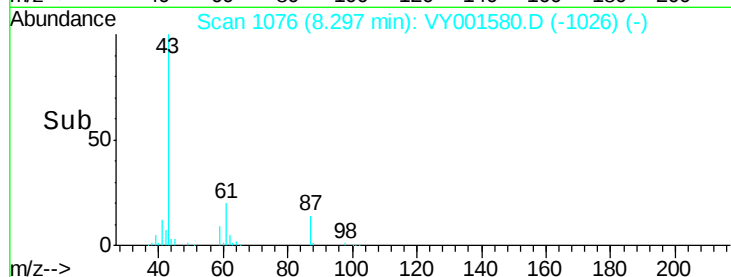
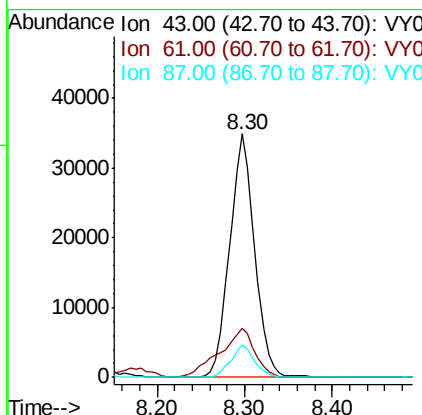
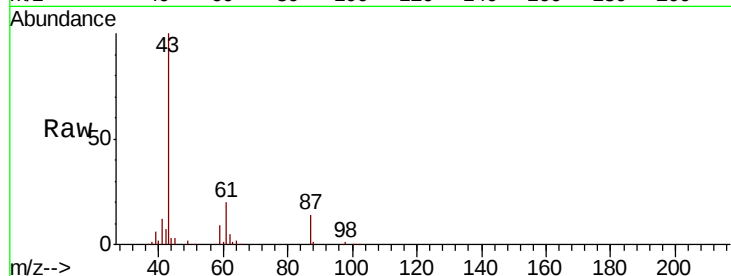
#43
Isopropyl Acetate
Concen: 22.270 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	25.1	37.7
87	12.8	12.6	19.0

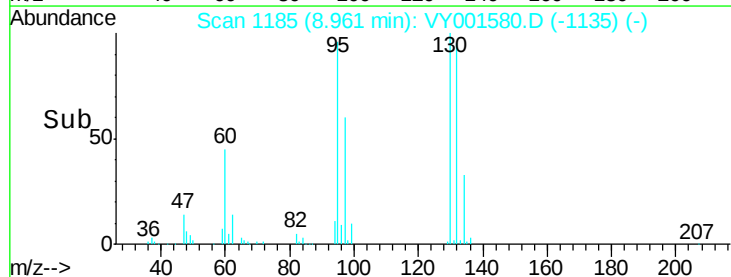
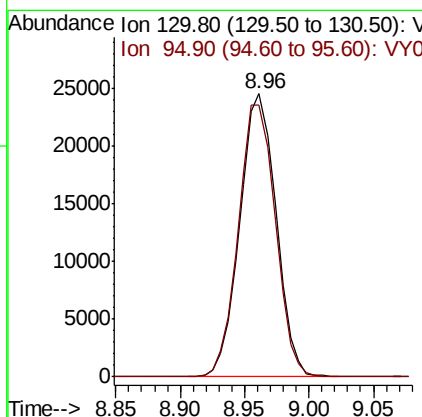
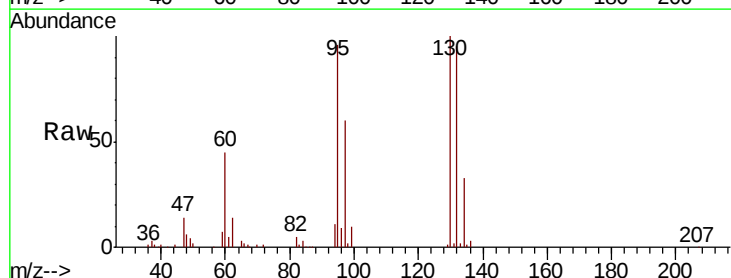
Manual Integrations
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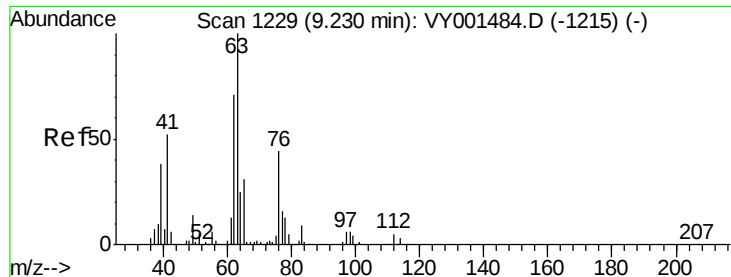
MMDadoda
2/11/2020 6:11:02 PM



#44
Trichloroethene
Concen: 19.085 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	199.2





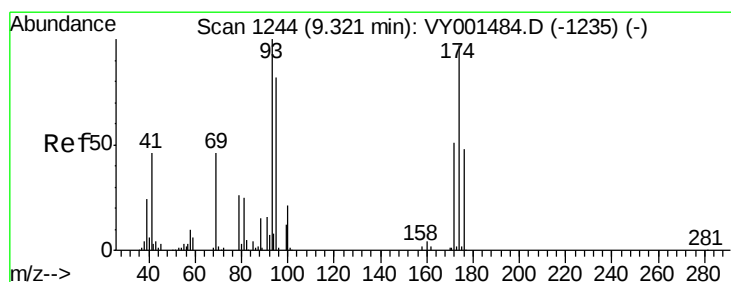
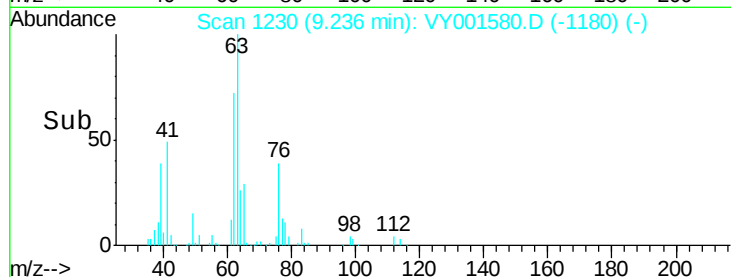
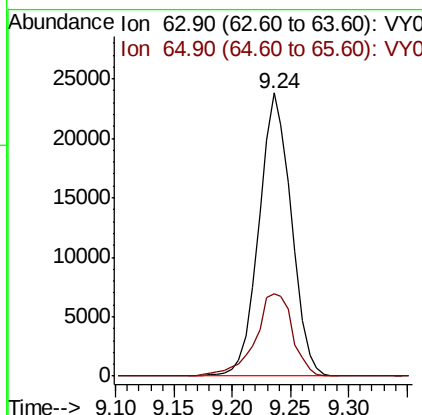
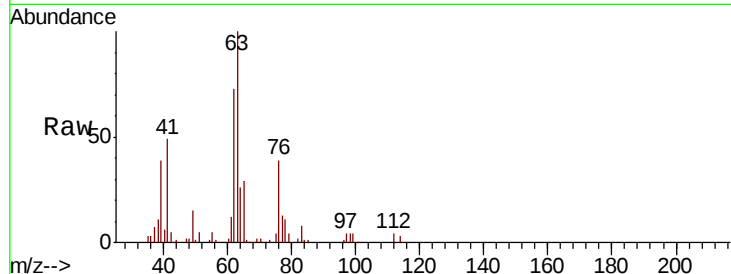
#45
 1,2-Dichloropropane
 Concen: 20.554 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion: 63 Resp: 46074
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.4

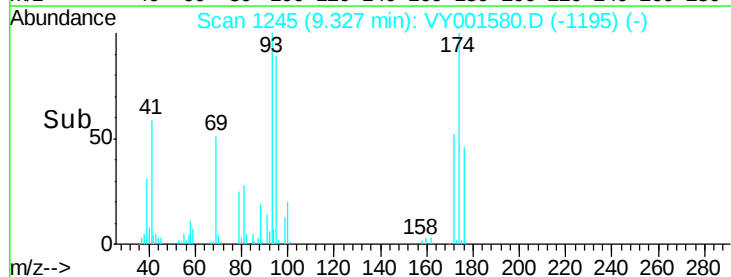
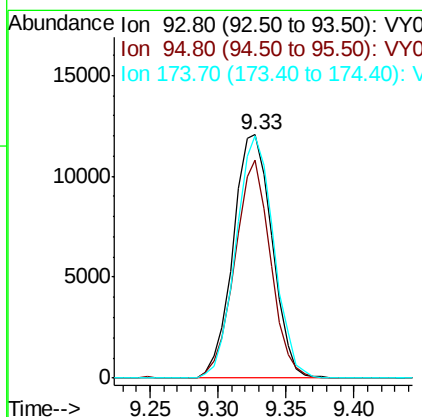
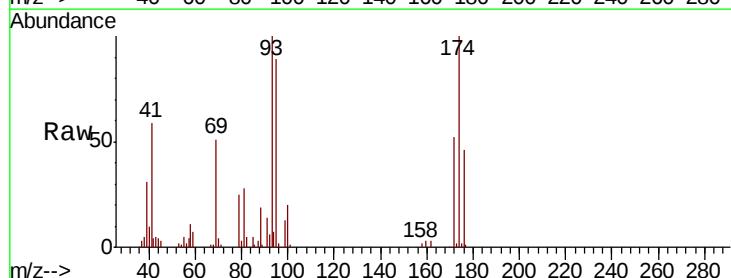
Manual Integrations
 APPROVED

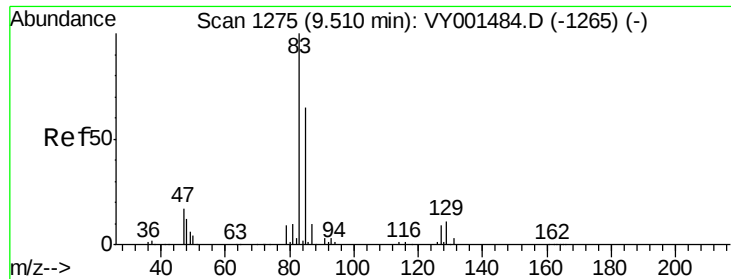
MMDadoda
 2/11/2020 6:11:02 PM



#46
 Dibromomethane
 Concen: 19.147 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion: 93 Resp: 24101
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 99.8
 174 96.6 75.4 113.2





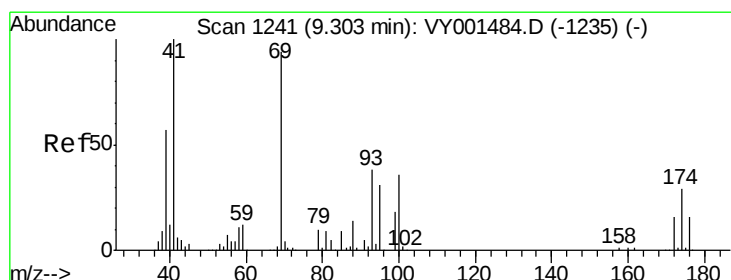
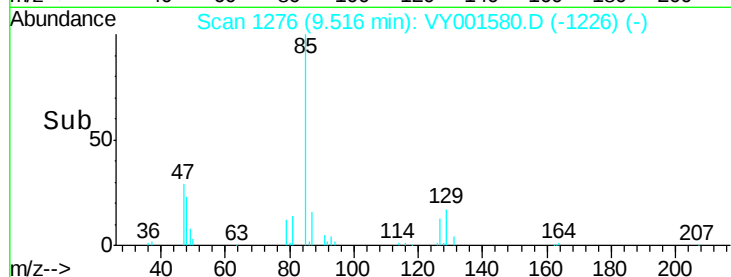
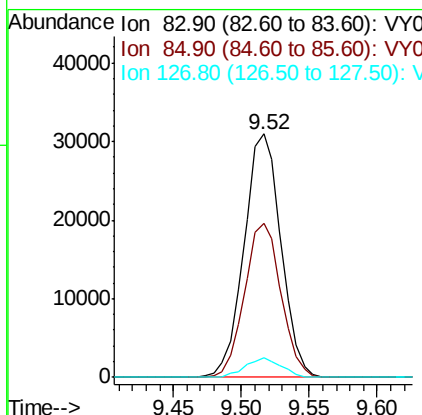
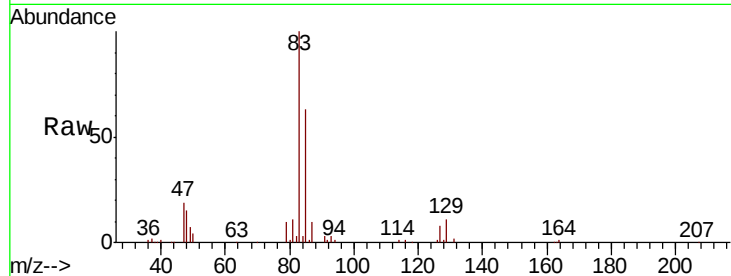
#47
Bromodichloromethane
Concen: 19.152 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	51.9	77.9	
127	7.9	6.9	10.3	

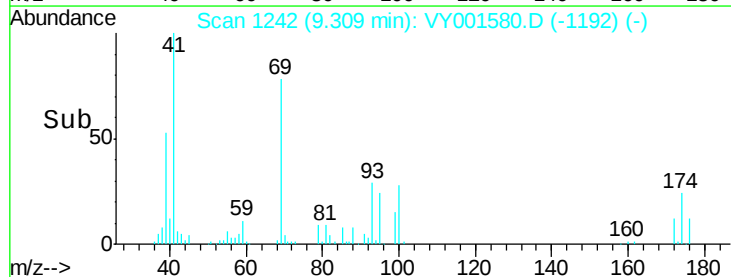
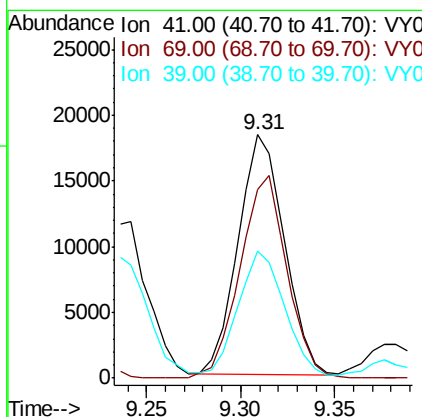
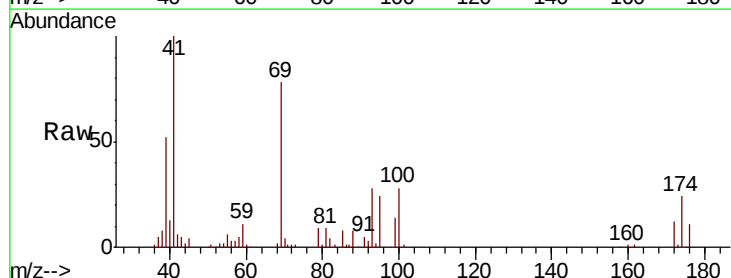
Manual Integrations
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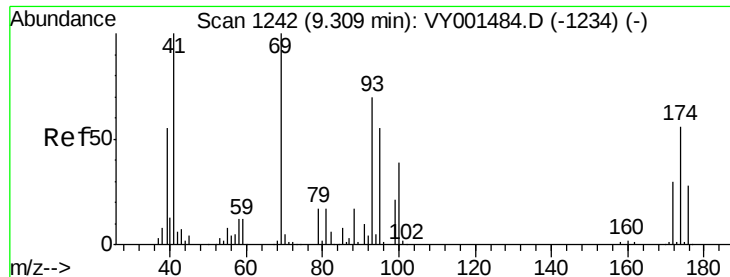
MMDadoda
2/11/2020 6:11:02 PM



#48
Methyl methacrylate
Concen: 21.966 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.5	76.6	114.8	
39	51.4	45.4	68.0	





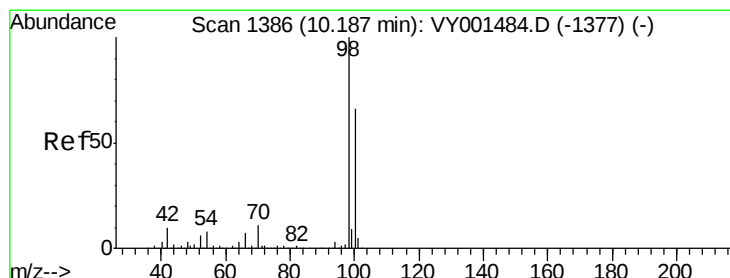
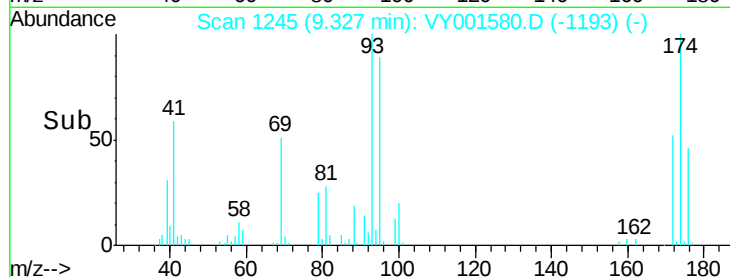
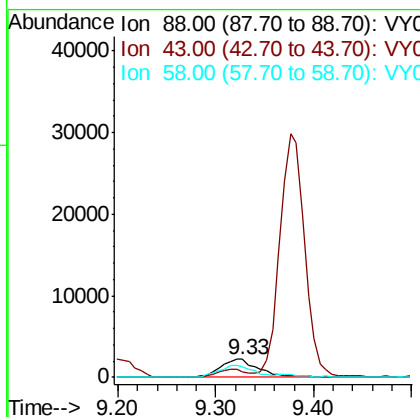
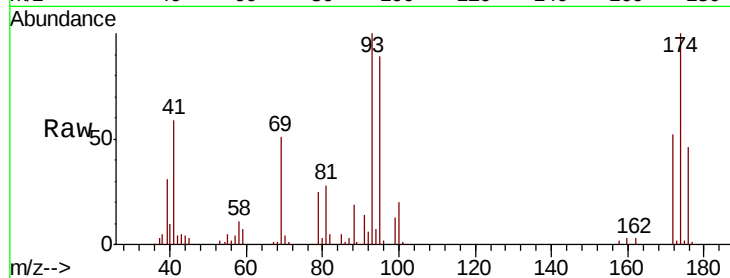
#49
1,4-Dioxane
Concen: 370.800 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.02 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	24.8	37.2
58	58.1	59.3	88.9#

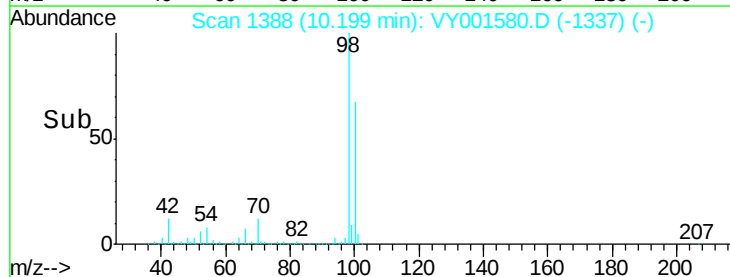
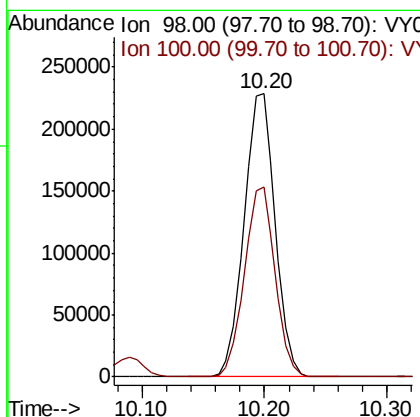
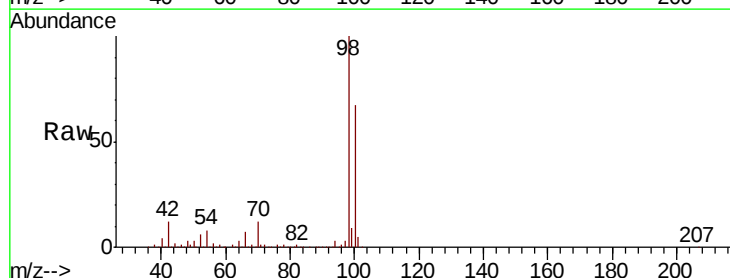
Manual Integrations
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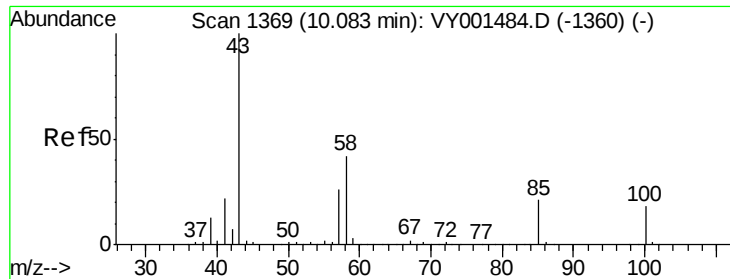
MMDadoda
2/11/2020 6:11:02 PM



#50
Toluene-d8
Concen: 51.926 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 115.174 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 43 Resp: 176935

Ion Ratio Lower Upper

43 100

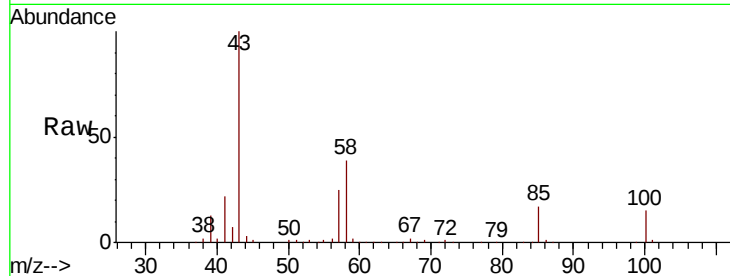
58 39.2 33.9 50.9

Manual Integrations

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MMDadoda

2/11/2020 6:11:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VY001580.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY001580.D (-1320) (-)

120000

100000

80000

60000

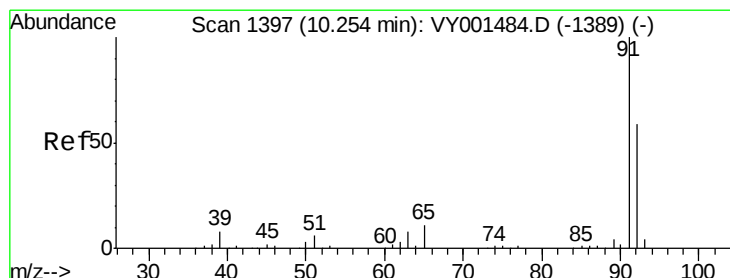
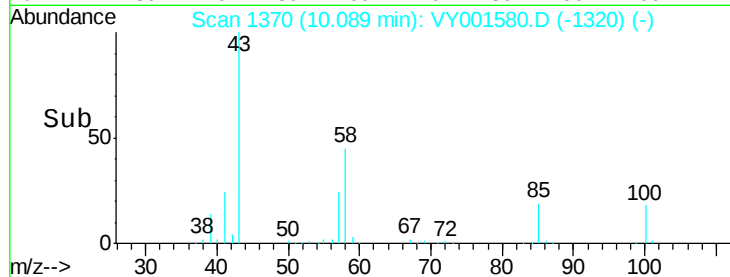
40000

20000

0

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 19.659 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001580.D

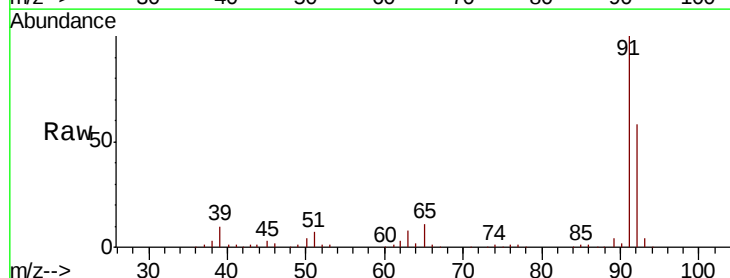
Acq: 10 Feb 2020 13:07

Tgt Ion: 92 Resp: 115794

Ion Ratio Lower Upper

92 100

91 172.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001580.D (-1348) (-)

Ion 91.00 (90.70 to 91.70): VY001580.D (-1348) (-)

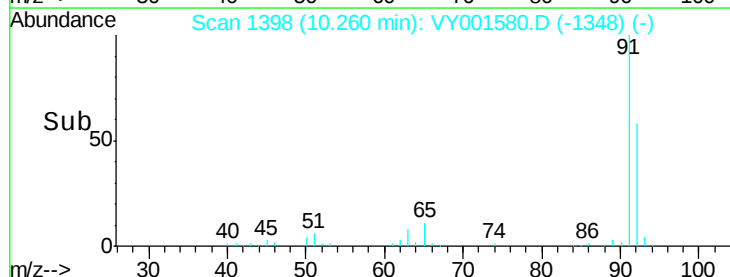
100000

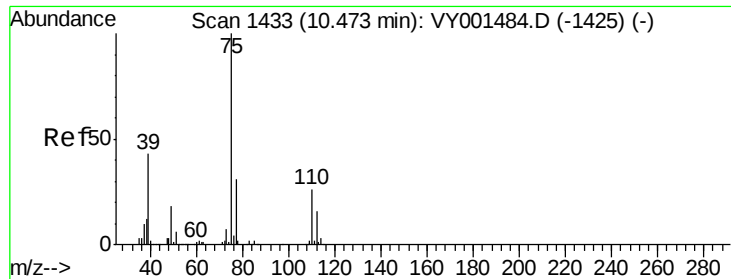
50000

0

10.20 10.25 10.30

Time-->





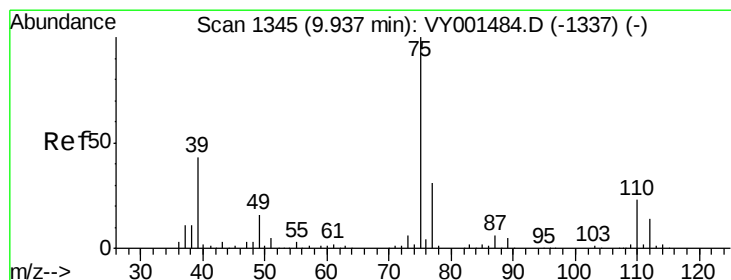
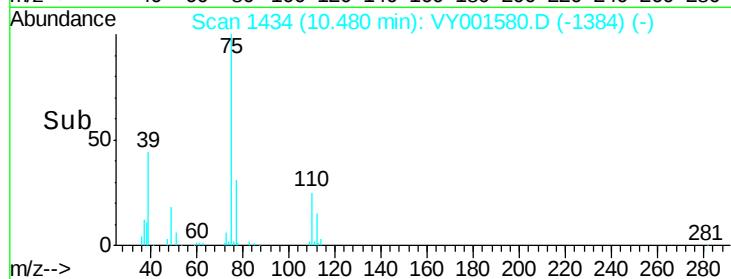
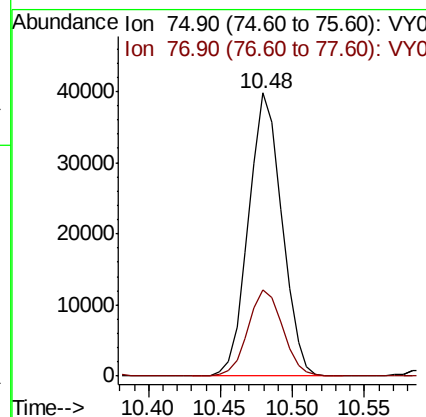
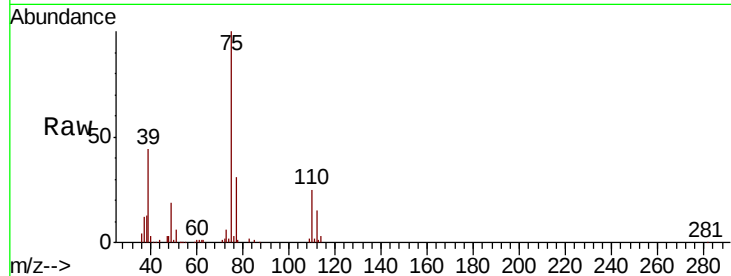
#53
 t-1,3-Dichloropropene
 Concen: 19.137 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion: 75 Resp: 63925
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.9 37.3

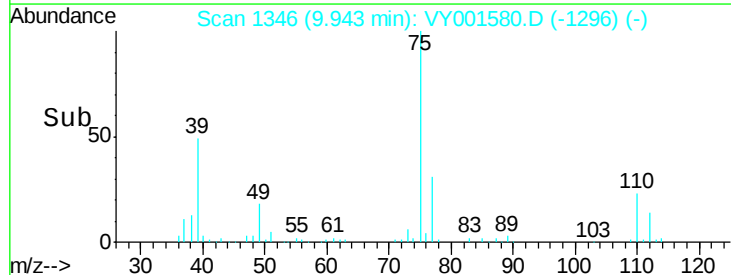
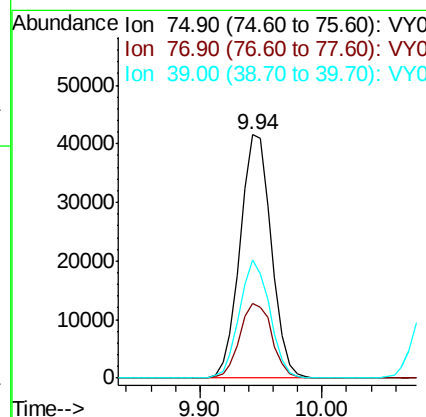
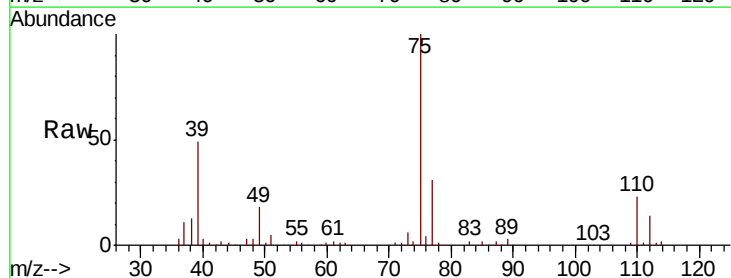
Manual Integrations
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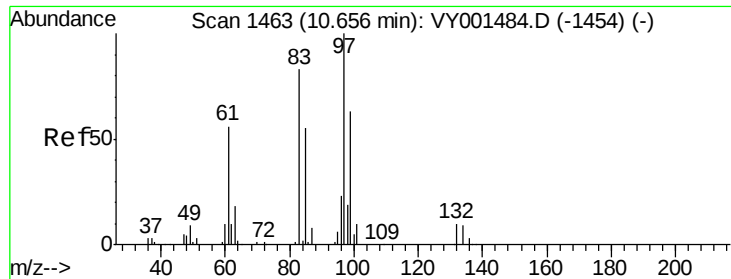
MMDadoda
 2/11/2020 6:11:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.101 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion: 75 Resp: 73254
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1
 39 48.6 34.0 51.0





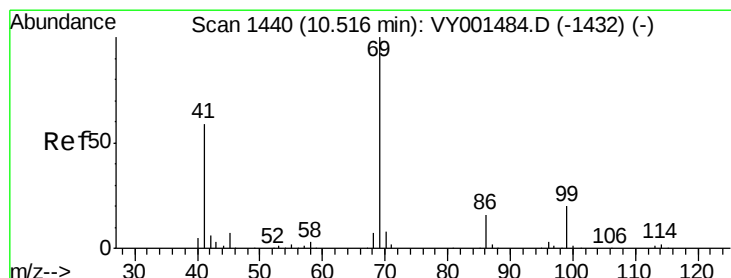
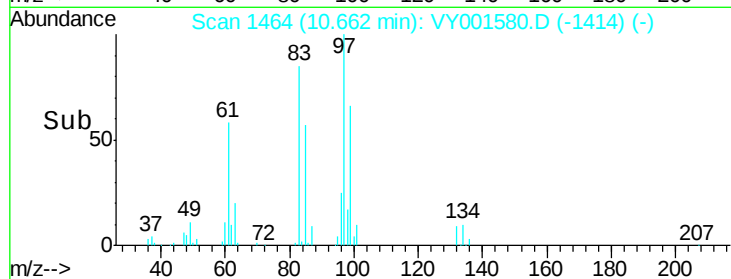
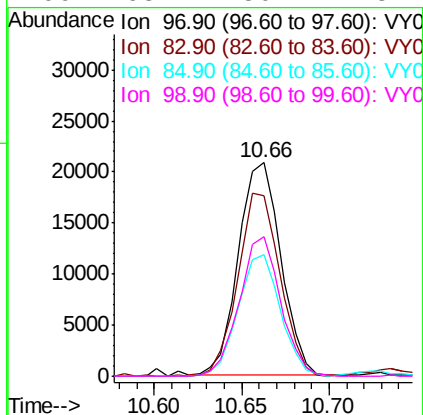
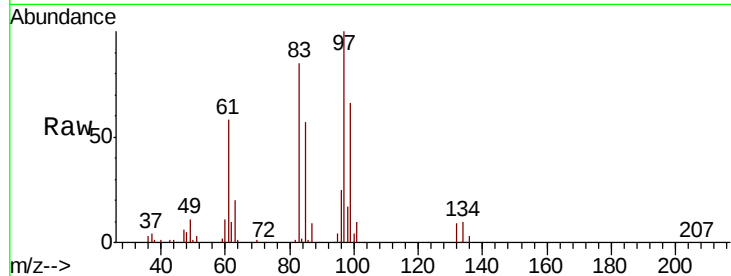
#55
 1,1,2-Trichloroethane
 Concen: 19.619 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion:	97	Resp:	35432
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.2	99.2
85	56.9	43.8	65.6
99	65.7	50.1	75.1

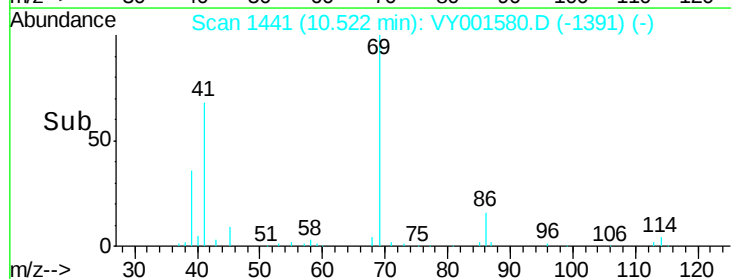
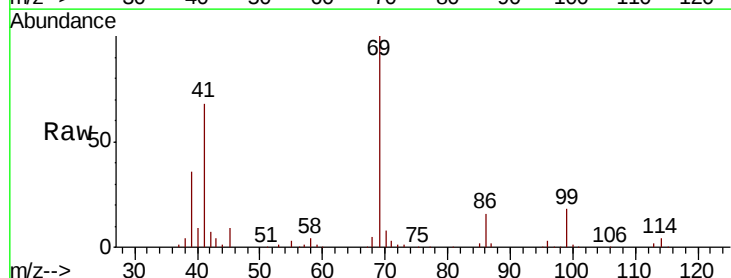
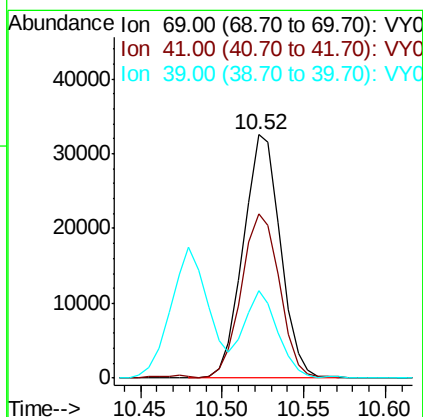
Manual Integrations
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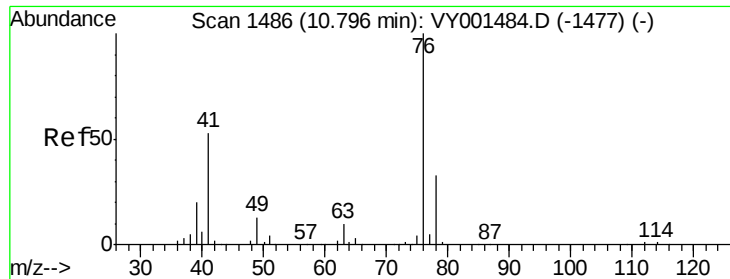
MMDadoda
 2/11/2020 6:11:02 PM



#56
 Ethyl methacrylate
 Concen: 20.129 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion:	69	Resp:	51704
Ion	Ratio	Lower	Upper
69	100		
41	69.7	47.8	71.8
39	33.1	24.4	36.6





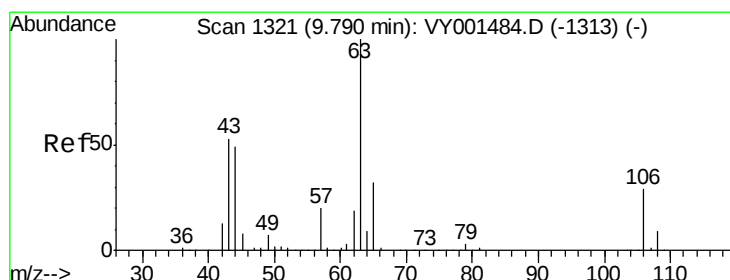
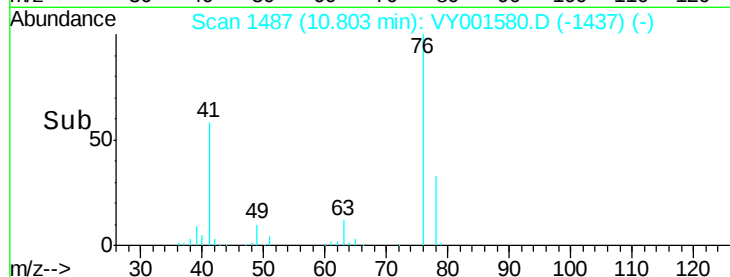
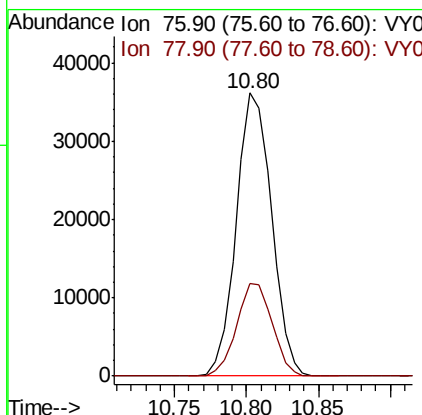
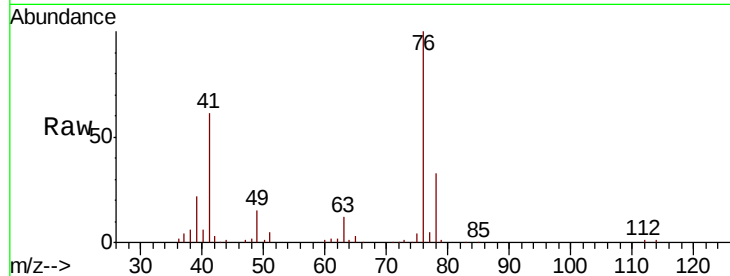
#57
 1,3-Dichloropropane
 Concen: 19.367 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion: 76 Resp: 61656
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

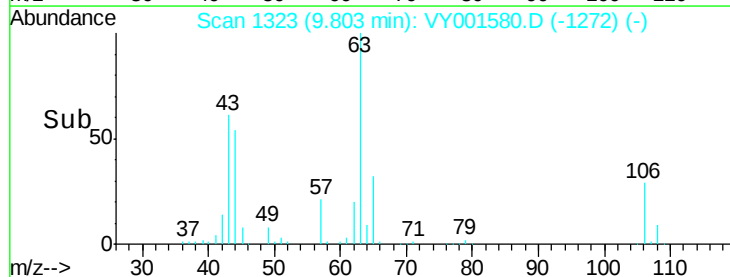
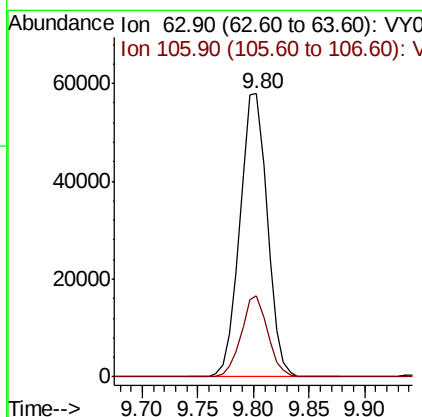
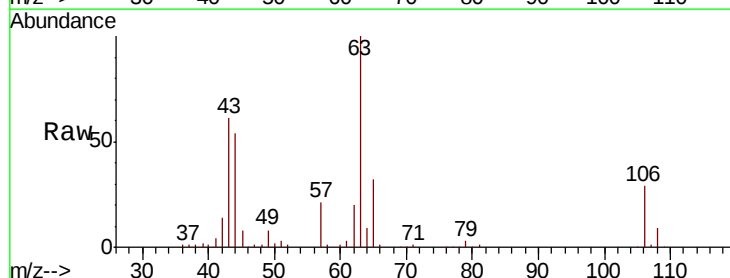
Manual Integrations
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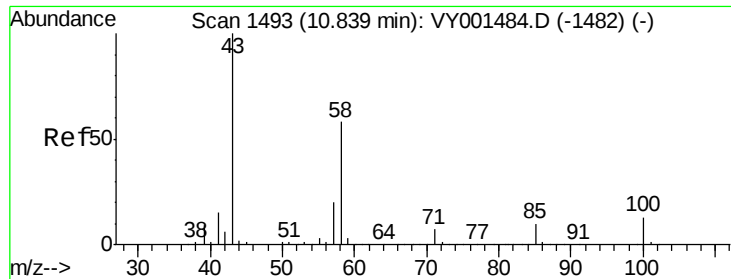
MMDadoda
 2/11/2020 6:11:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.030 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion: 63 Resp: 99249
 Ion Ratio Lower Upper
 63 100
 106 27.6 24.0 36.0





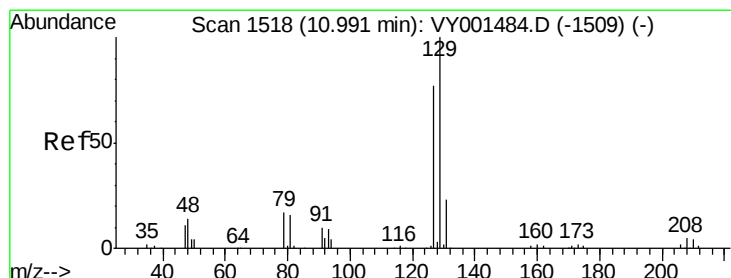
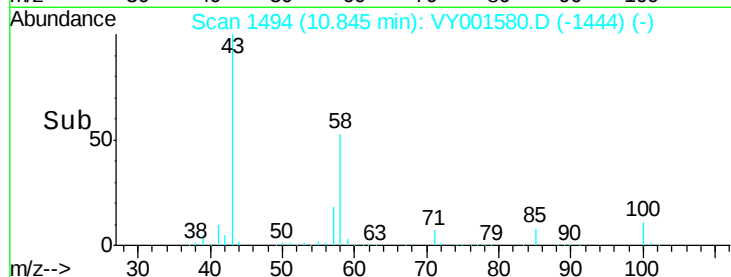
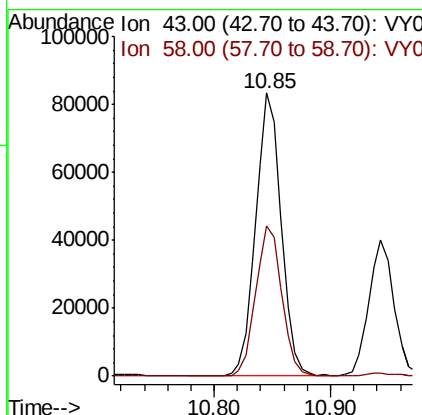
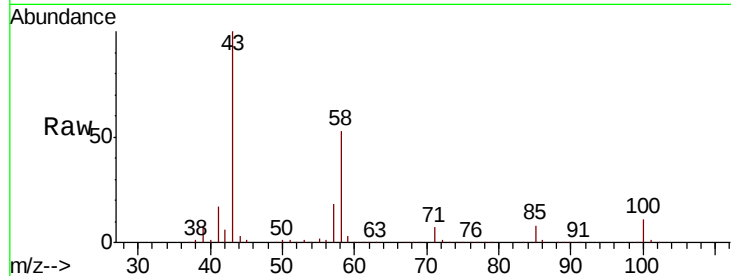
#59
2-Hexanone
Concen: 114.388 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion: 43 Resp: 127769
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0

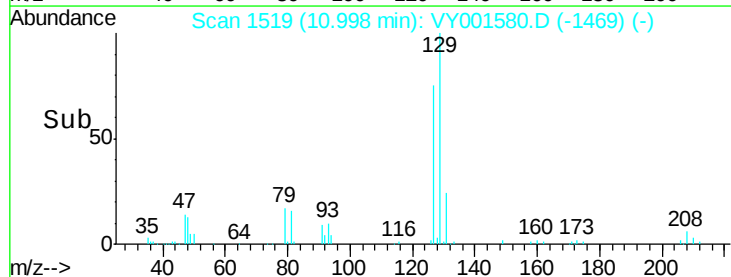
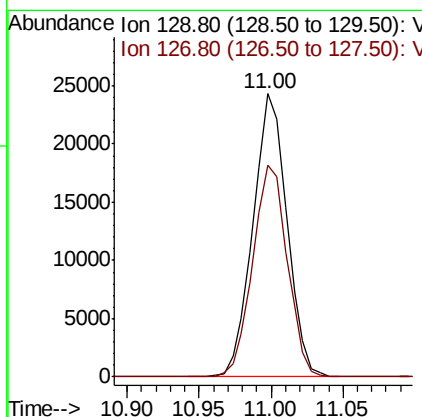
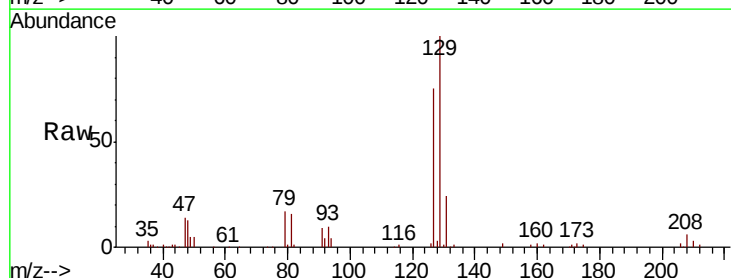
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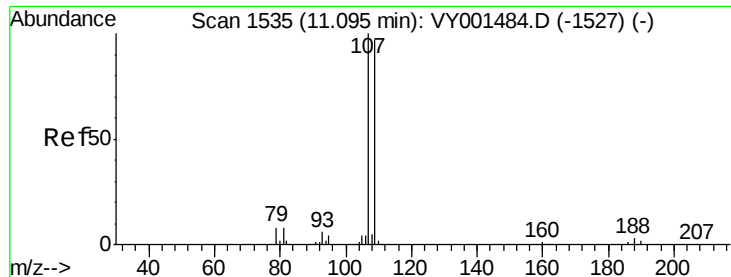
MMDadoda
2/11/2020 6:11:02 PM



#60
Dibromochloromethane
Concen: 18.596 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion:129 Resp: 39588
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.887 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 107 Resp: 33596

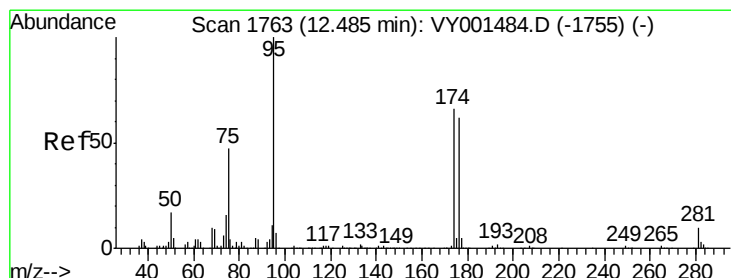
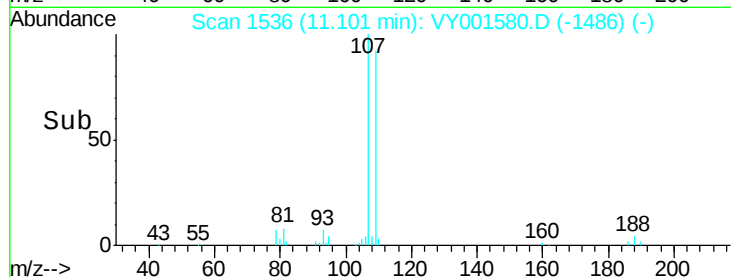
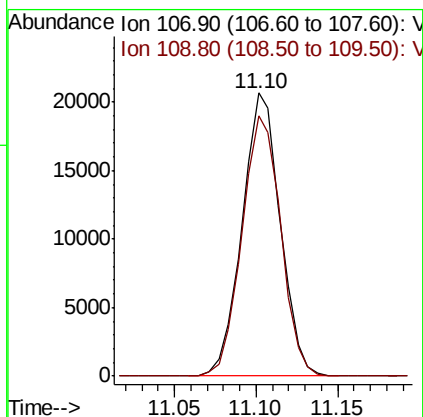
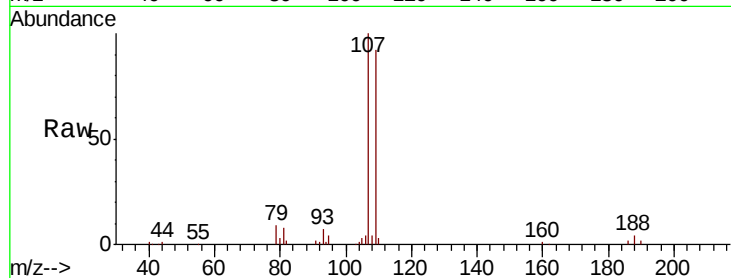
Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 48.289 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

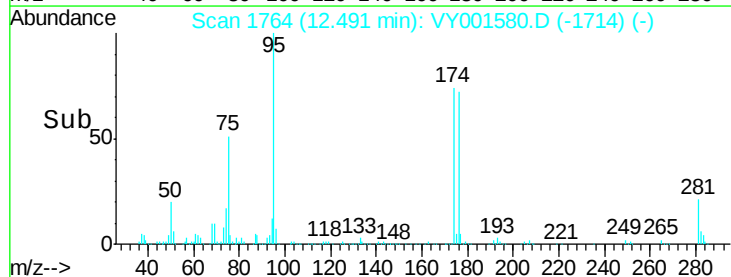
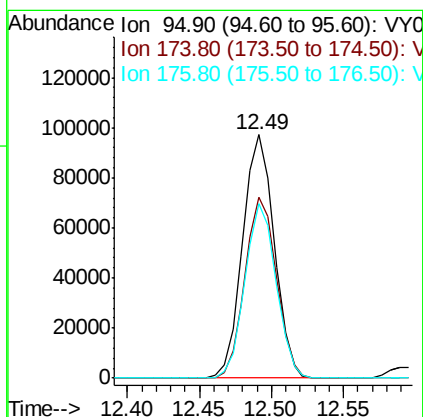
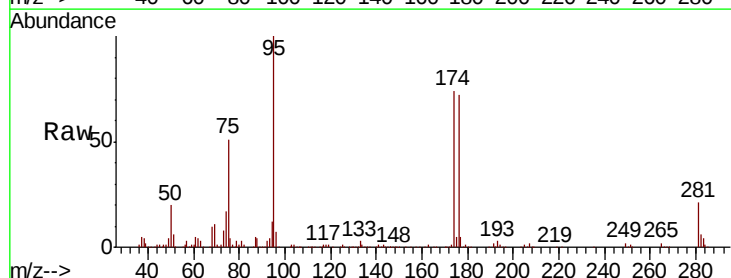
Tgt Ion: 95 Resp: 147654

Ion Ratio Lower Upper

95 100

174 74.1 0.0 141.4

176 70.6 0.0 135.4





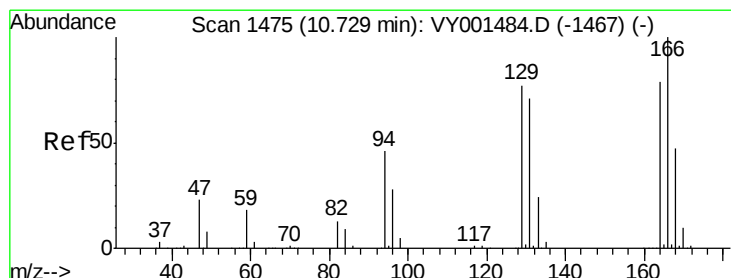
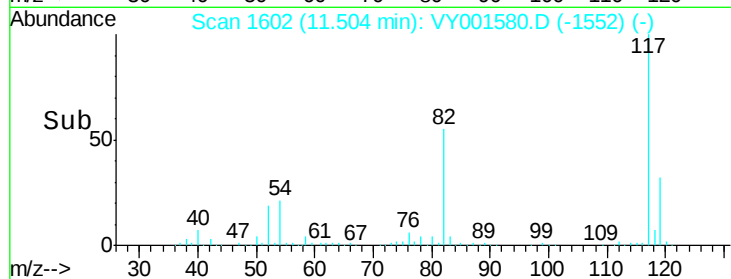
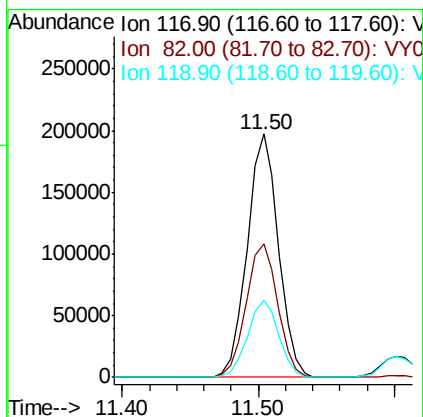
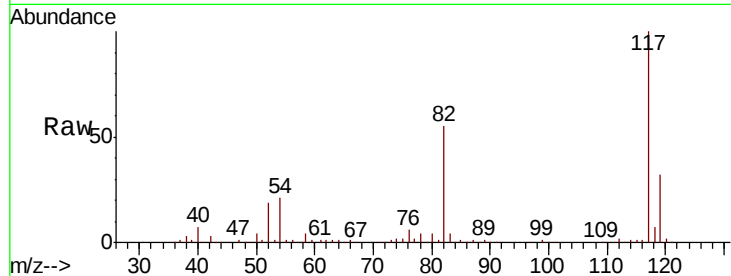
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.1	69.1
119	31.7	26.1	39.1

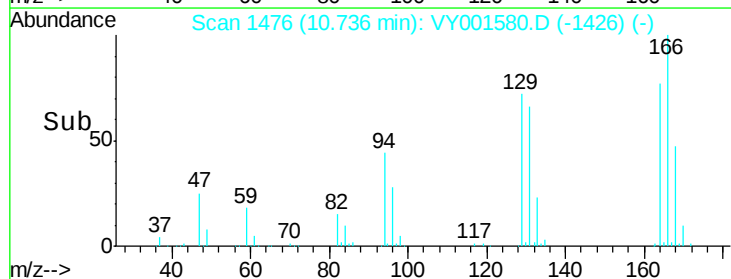
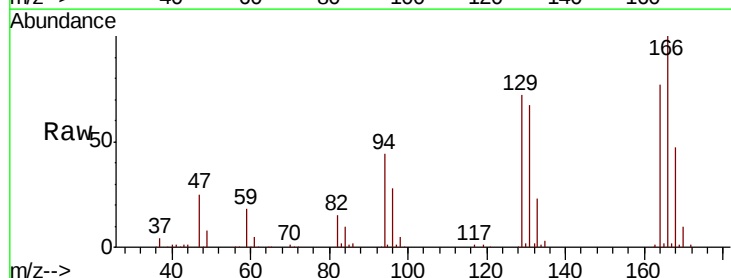
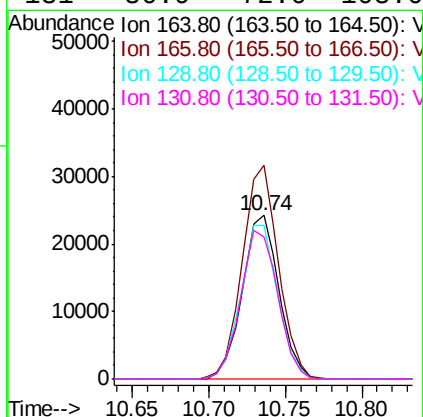
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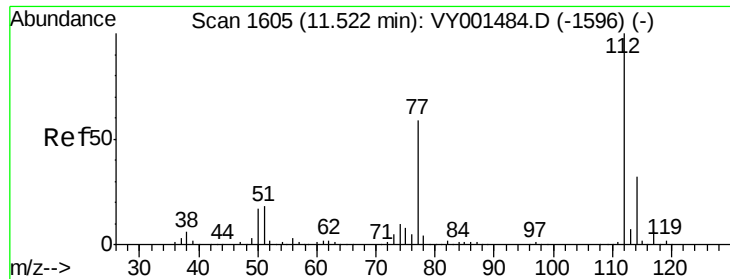
MMDadoda
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#64
Tetrachloroethene
Concen: 19.334 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	100.8	151.2
129	93.9	77.8	116.6
131	86.9	72.0	108.0





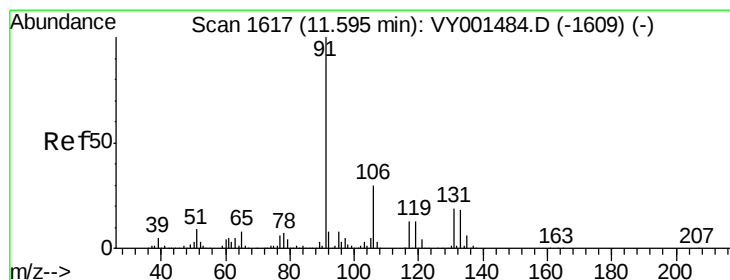
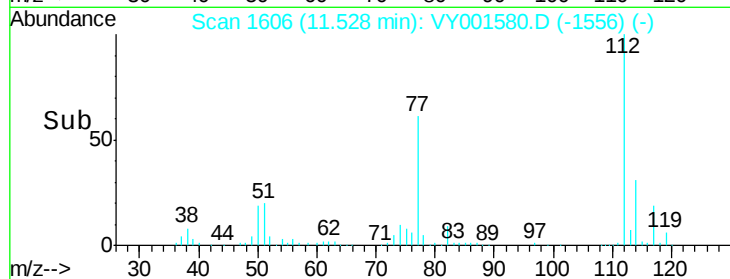
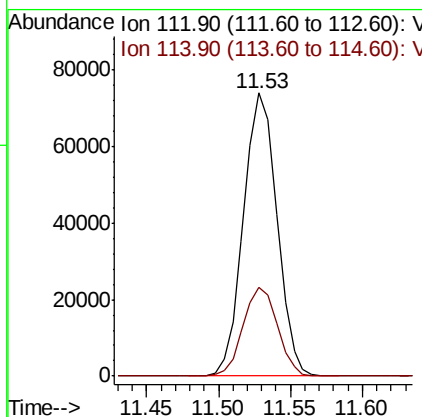
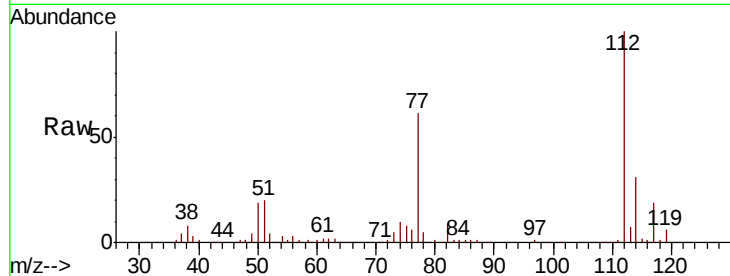
#65
Chlorobenzene
Concen: 19.215 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion:112 Resp: 119281
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

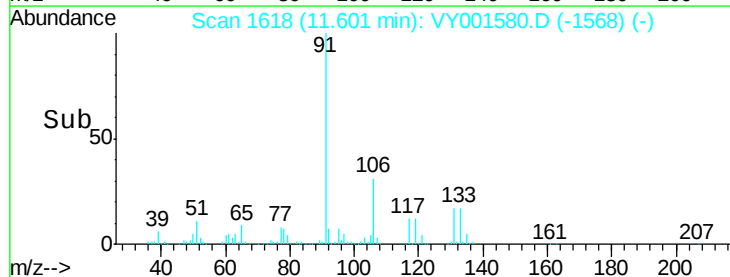
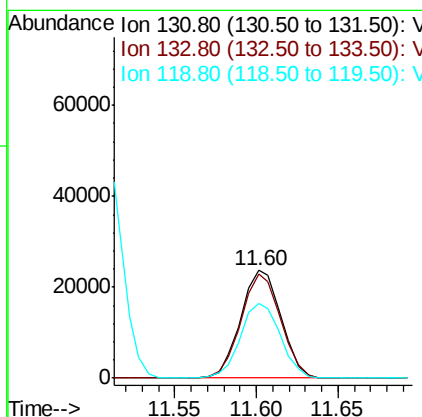
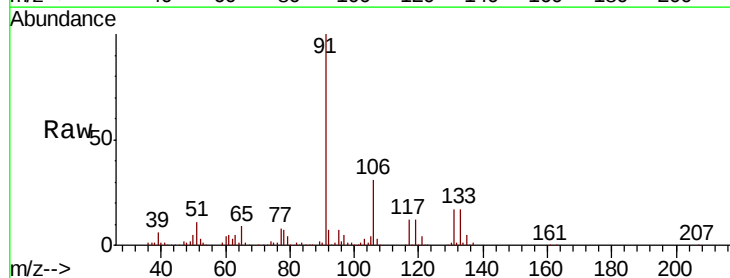
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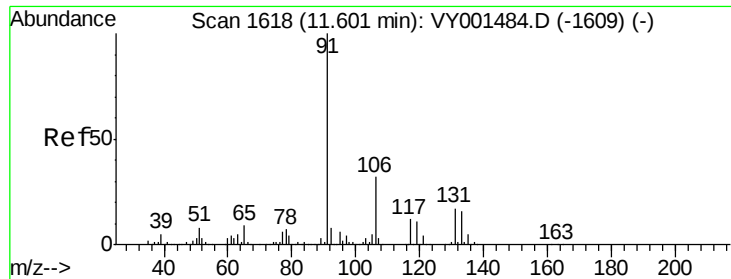
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.723 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion:131 Resp: 40677
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 69.0 33.7 101.0





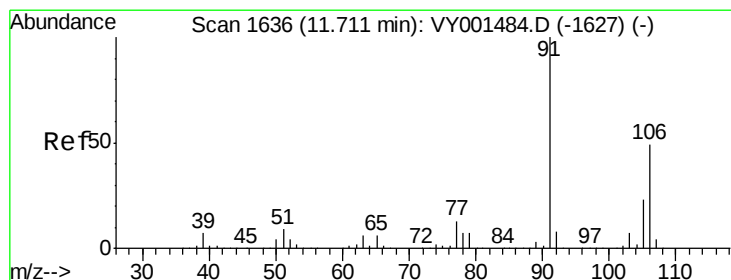
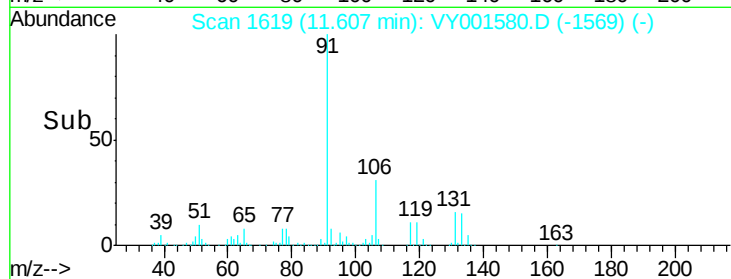
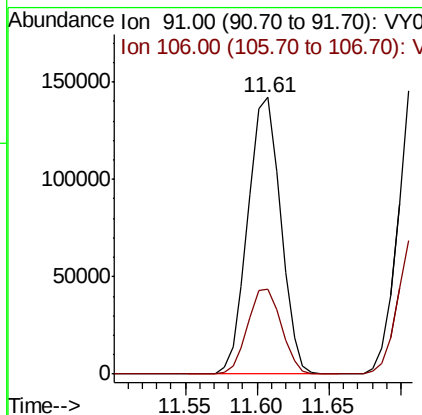
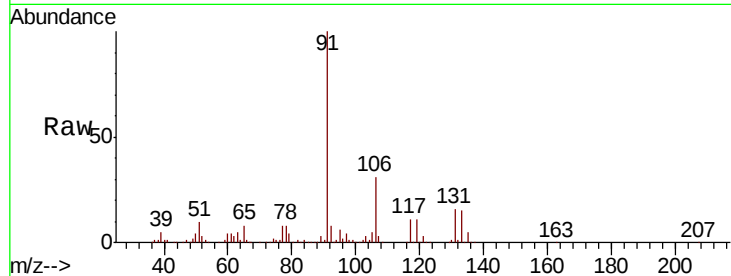
#67
Ethyl Benzene
Concen: 19.555 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion: 91 Resp: 224440
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9

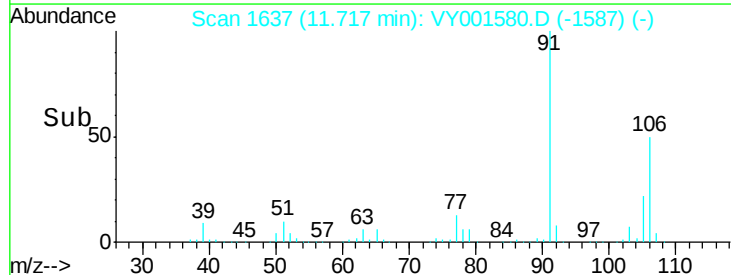
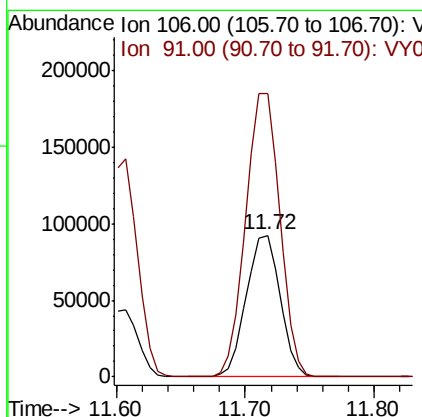
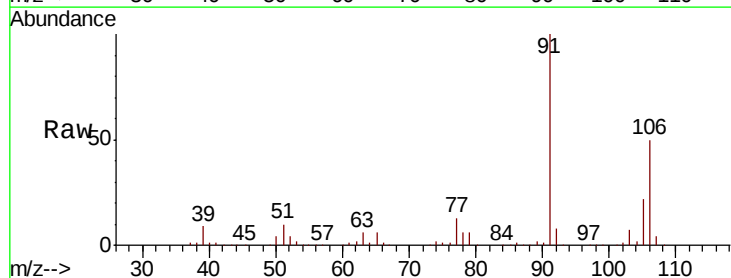
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.990 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion: 106 Resp: 167996
Ion Ratio Lower Upper
106 100
91 202.3 163.6 245.4





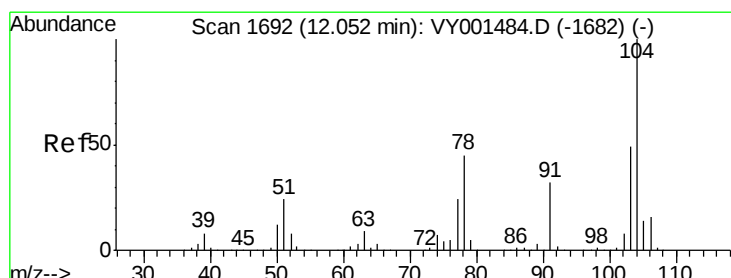
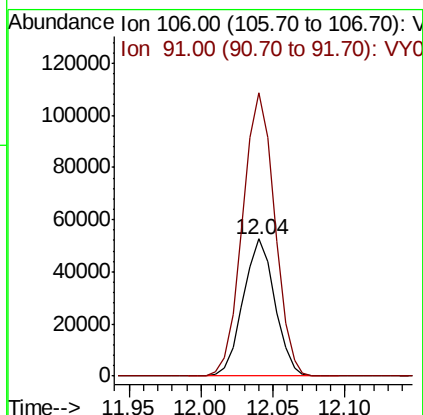
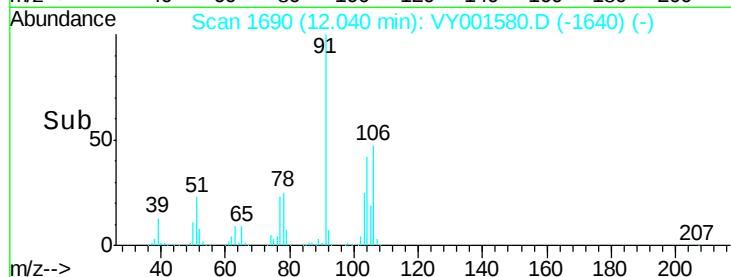
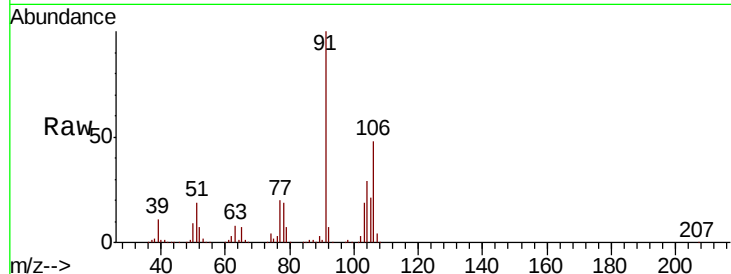
#69
o-Xylene
Concen: 19.664 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion:106 Resp: 79886
Ion Ratio Lower Upper
106 100
91 209.7 106.0 318.0

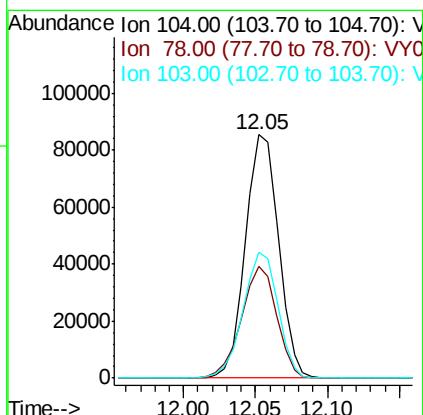
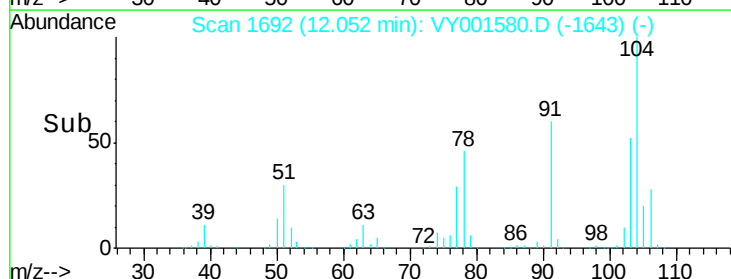
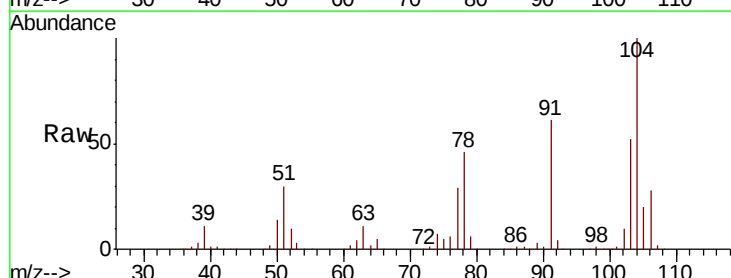
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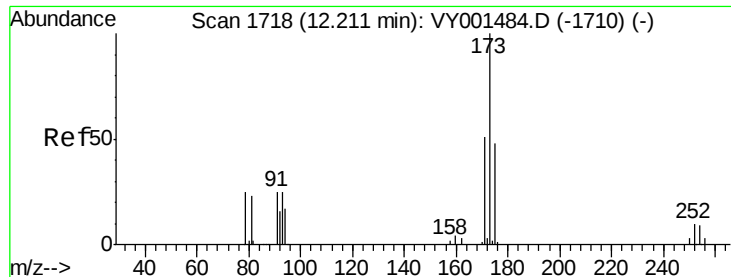
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#70
Styrene
Concen: 19.352 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion:104 Resp: 135956
Ion Ratio Lower Upper
104 100
78 49.2 40.4 60.6
103 54.5 42.8 64.2





#71

Bromoform

Concen: 18.801 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion:173 Resp: 22745

Ion Ratio Lower Upper

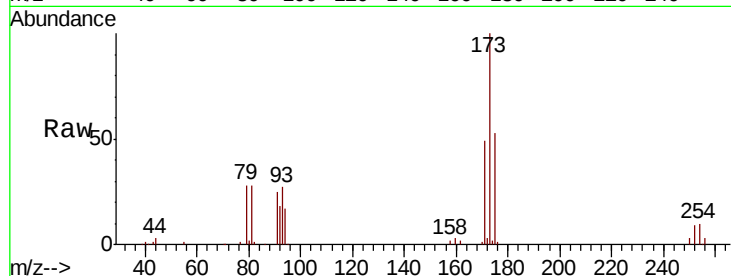
173 100

175 48.3 24.0 72.0

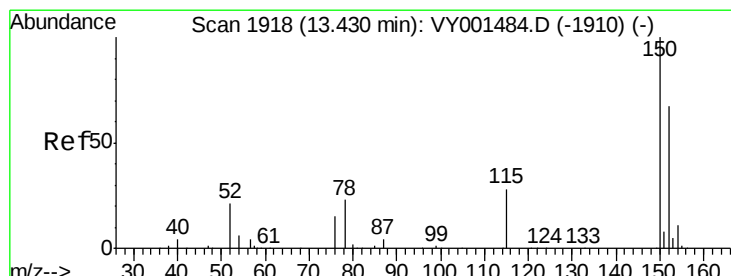
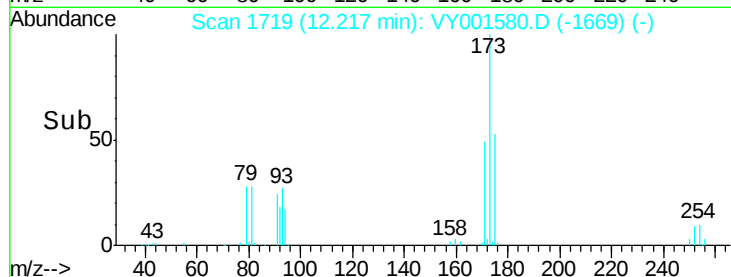
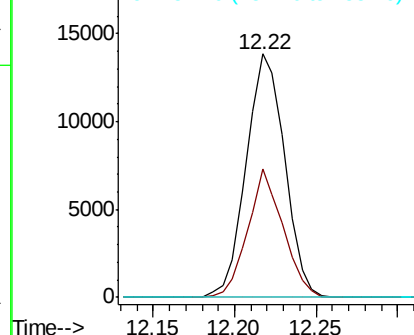
254 0.1 0.1 0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

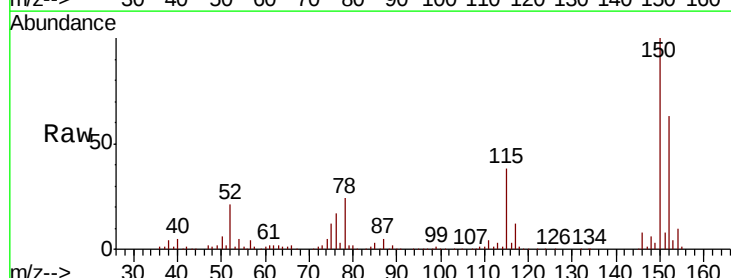
Tgt Ion:152 Resp: 152266

Ion Ratio Lower Upper

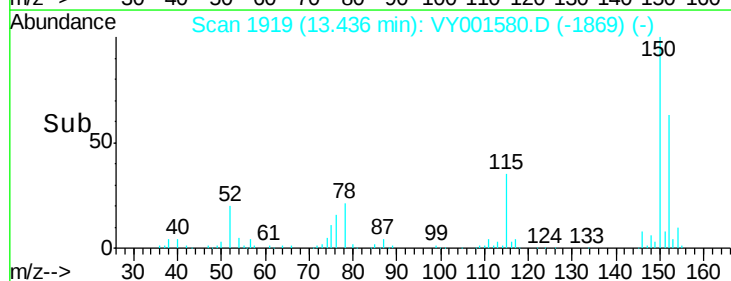
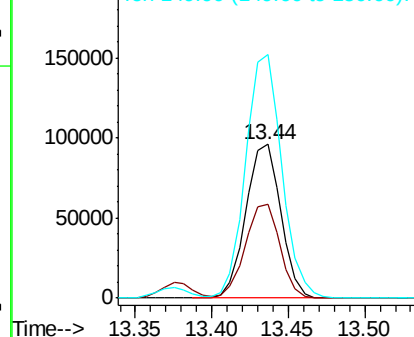
152 100

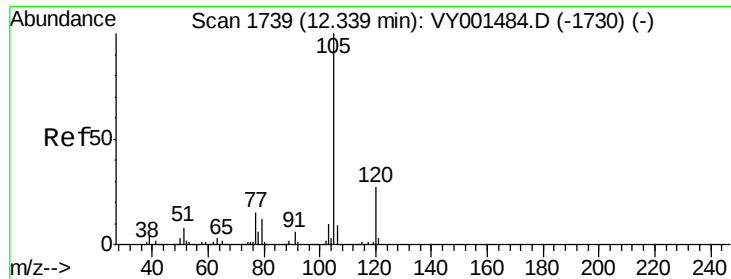
115 60.4 31.4 94.3

150 164.1 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





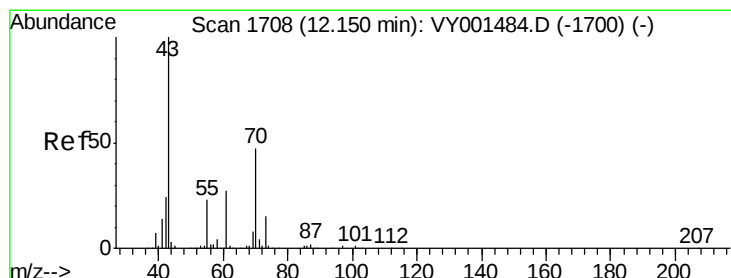
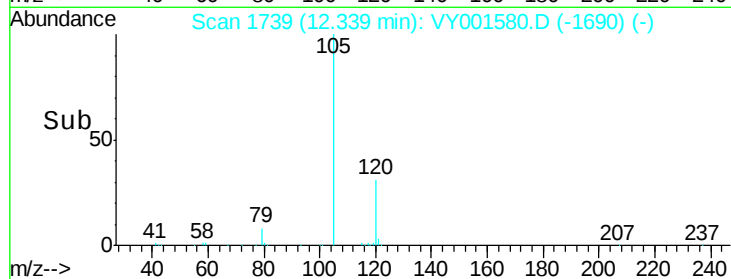
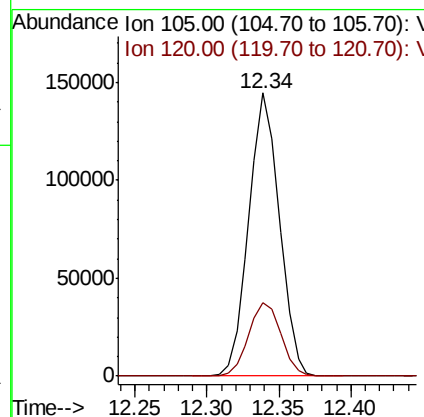
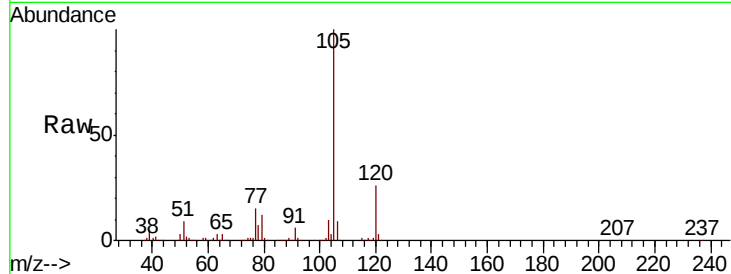
#73
Isopropylbenzene
Concen: 18.323 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.9

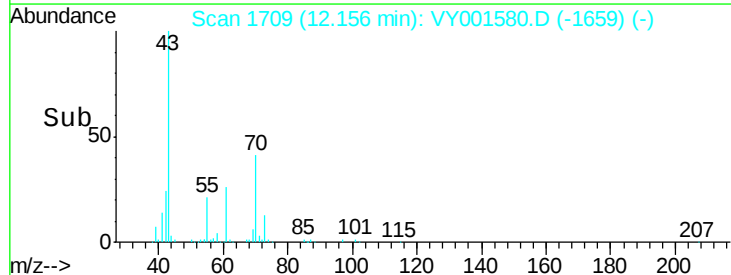
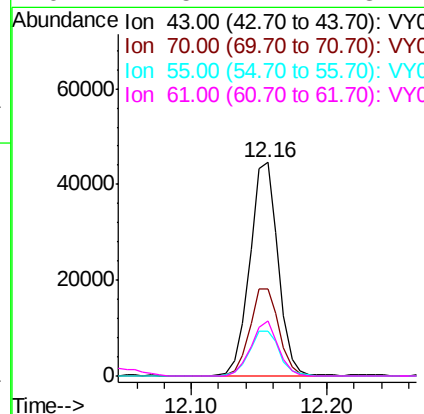
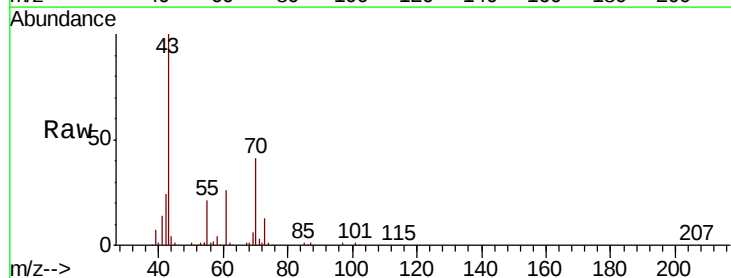
Manual Integrations
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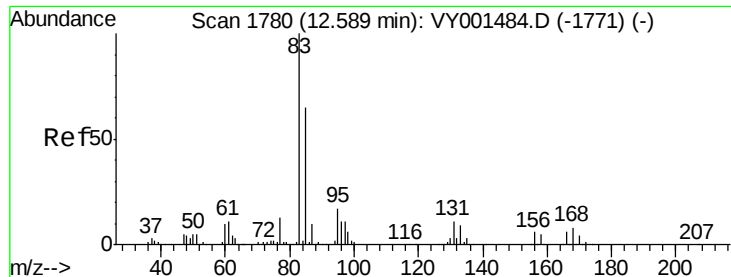
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#74
N-ethyl acetate
Concen: 21.497 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	37.2	55.8
55	22.4	18.8	28.2
61	24.5	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.804 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

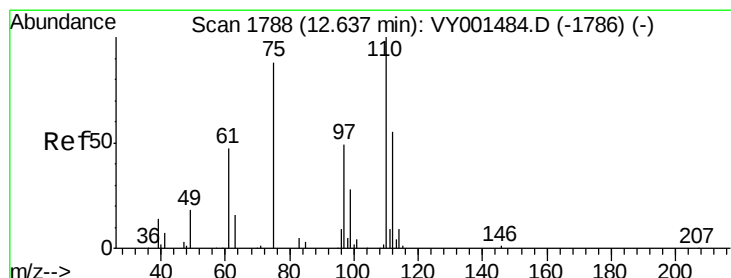
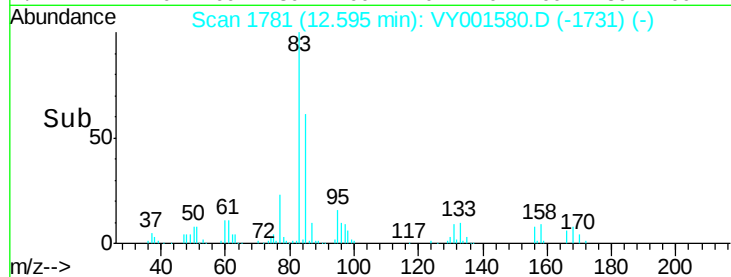
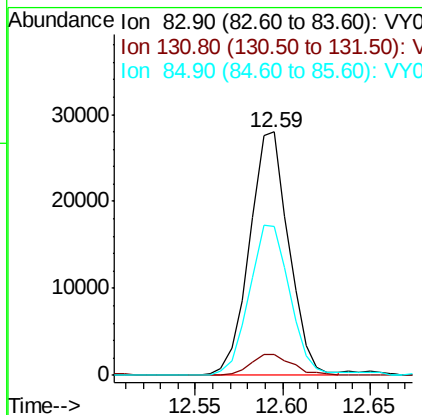
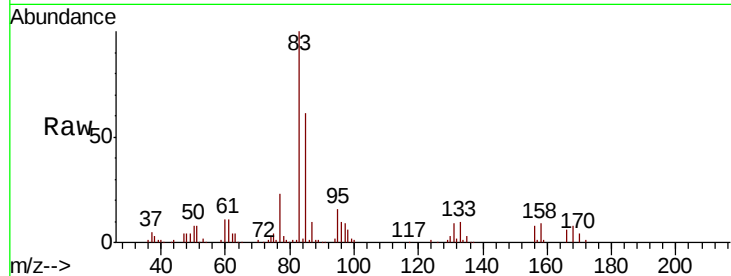
ClientSampleId :

VY0210SBS01

Tot Ion:	83	Resp:	43696
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.4	16.2
85	63.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.447 ug/l m

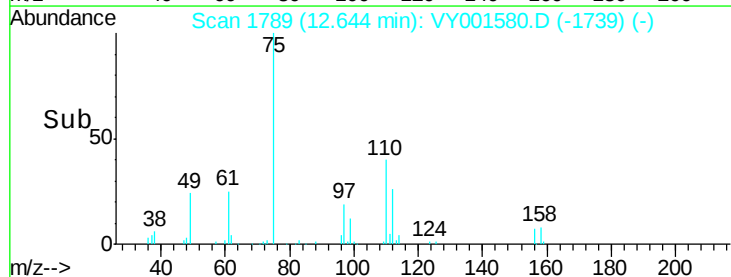
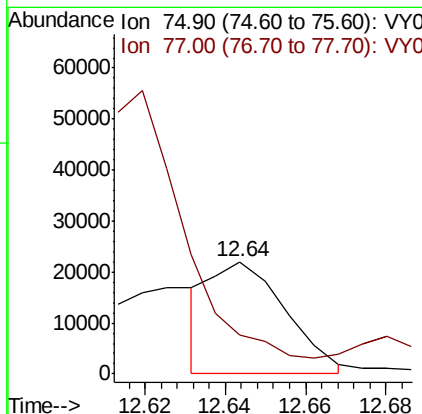
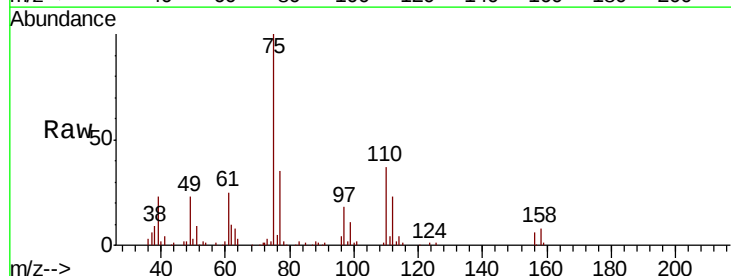
RT: 12.64 min Scan# 1789

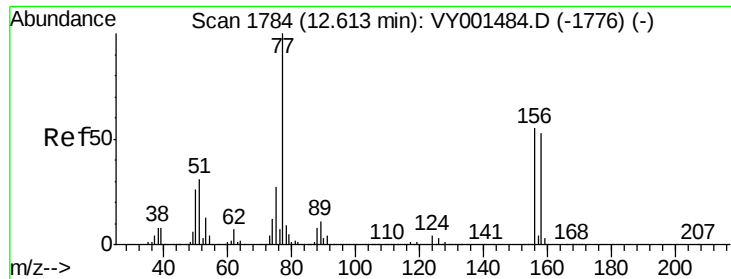
Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Tgt Ion:	75	Resp:	28569
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





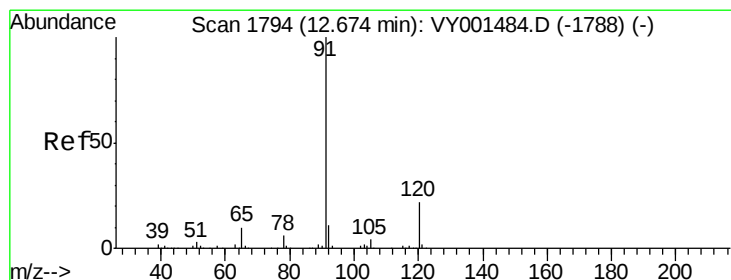
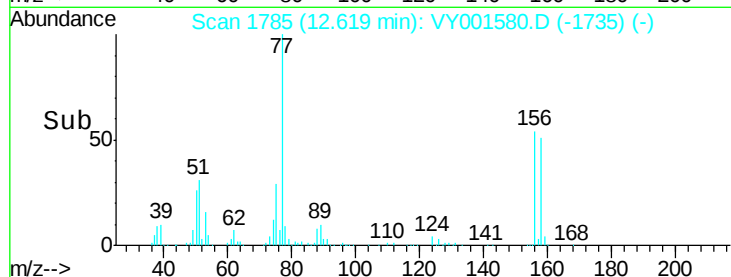
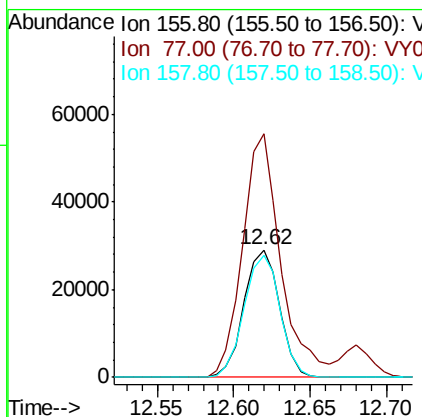
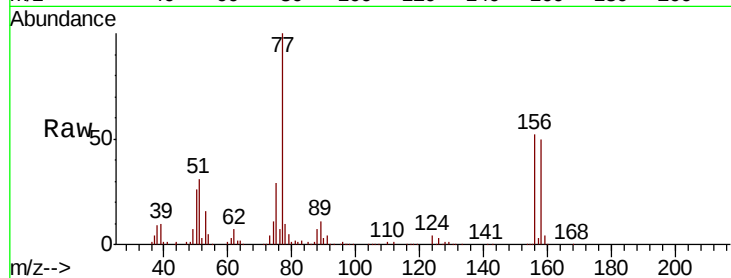
#77
Bromobenzene
Concen: 18.746 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		47113		
77	204.2	99.8	299.3		
158	96.8	47.5	142.6		

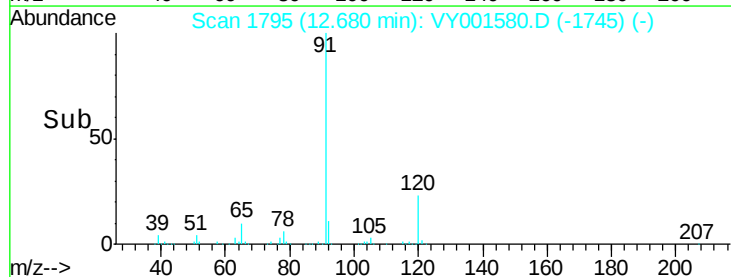
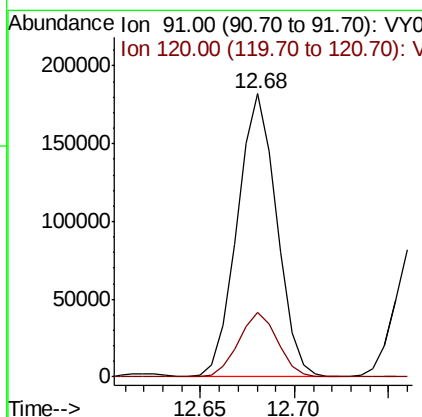
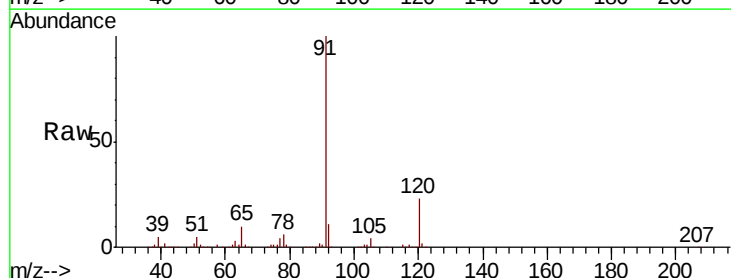
Manual Integrations
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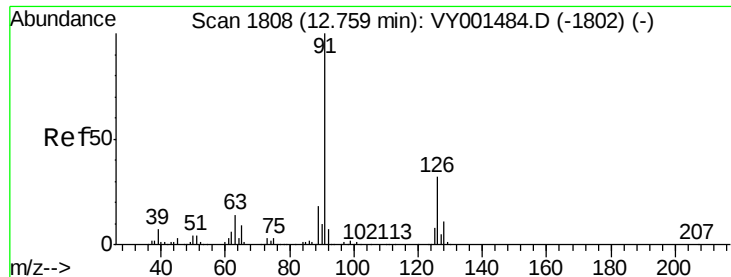
MMDadoda
2/11/2020 6:11:02 PM



#78
n-propylbenzene
Concen: 19.005 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.01 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		264228		
120	22.4	11.4	34.2		





#79

2-Chlorotoluene

Concen: 18.383 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion: 91 Resp: 145677

Ion Ratio Lower Upper

91 100

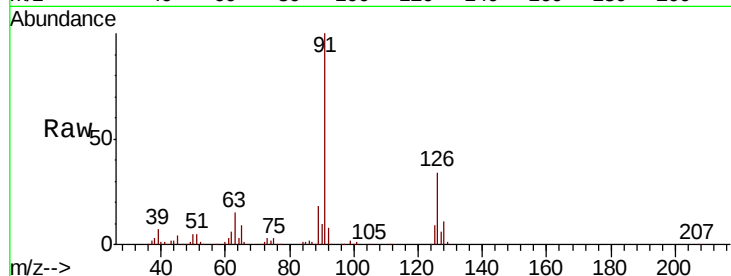
126 33.3 16.4 49.2

Manual Integrations

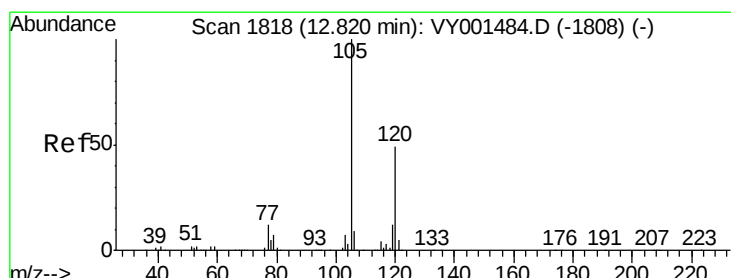
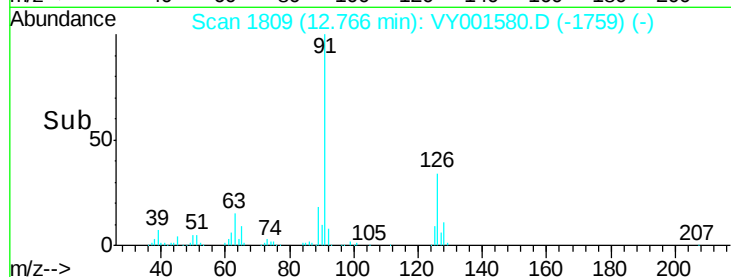
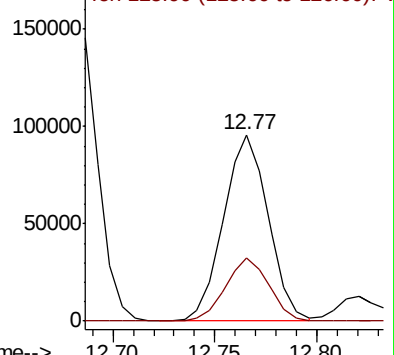
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Abundance Ion 91.00 (90.70 to 91.70): VY001580.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.380 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001580.D

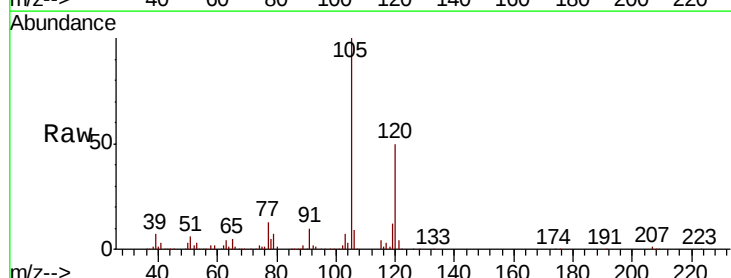
Acq: 10 Feb 2020 13:07

Tgt Ion: 105 Resp: 179762

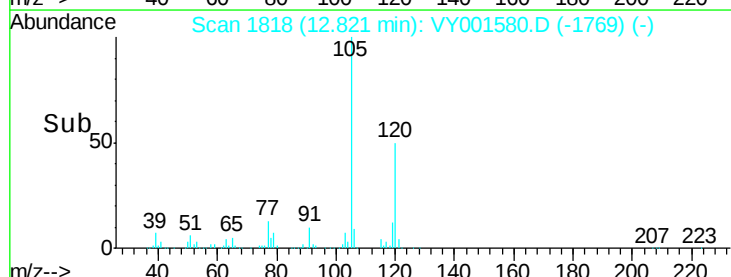
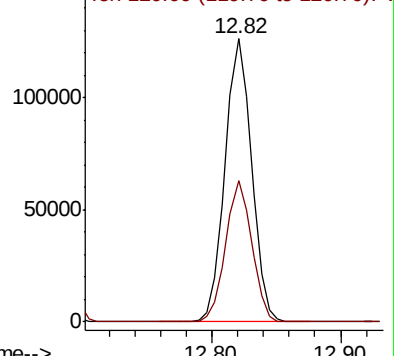
Ion Ratio Lower Upper

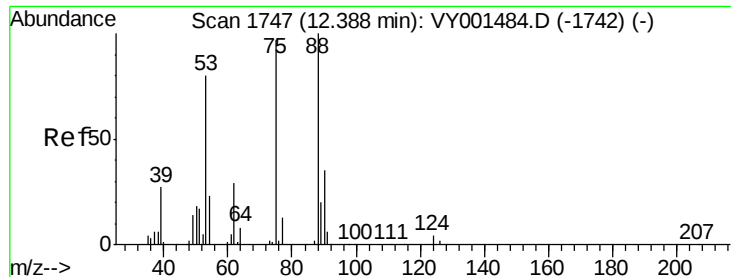
105 100

120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001580.D (-1769) (-)





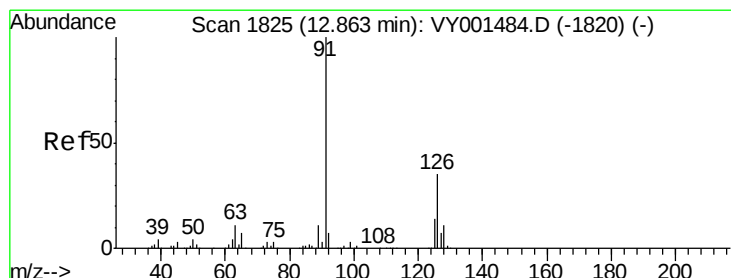
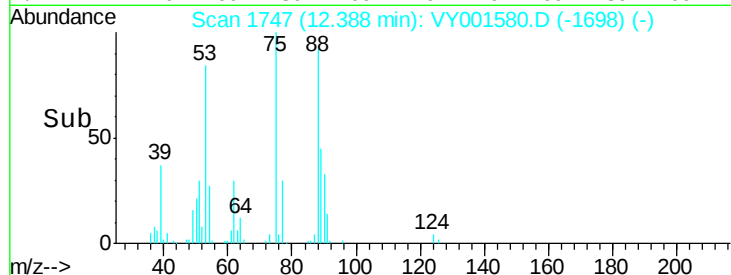
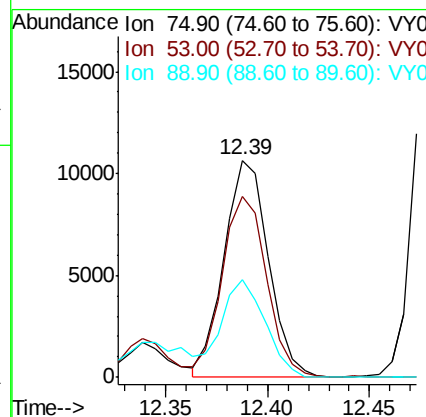
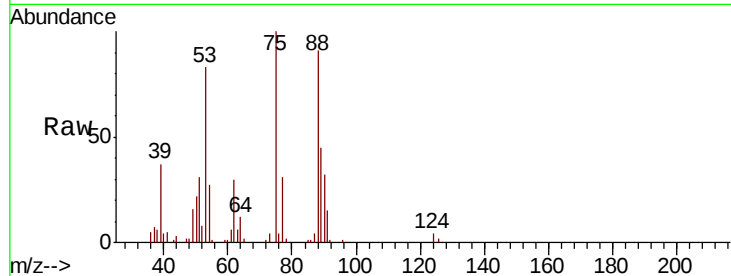
#81
trans-1,4-Dichloro-2-butene
Concen: 18.985 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.5	67.7	101.5
89	45.2	34.6	52.0

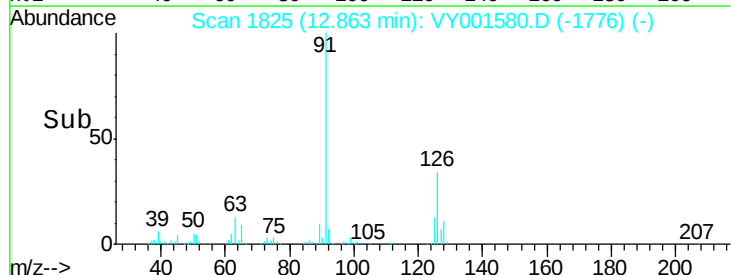
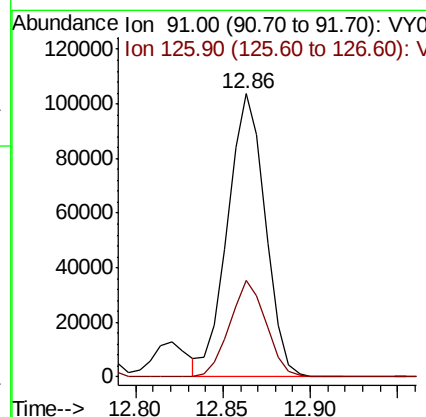
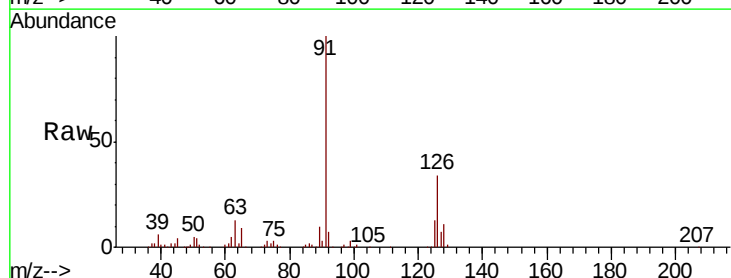
Manual Integrations
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#82
4-Chlorotoluene
Concen: 18.645 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





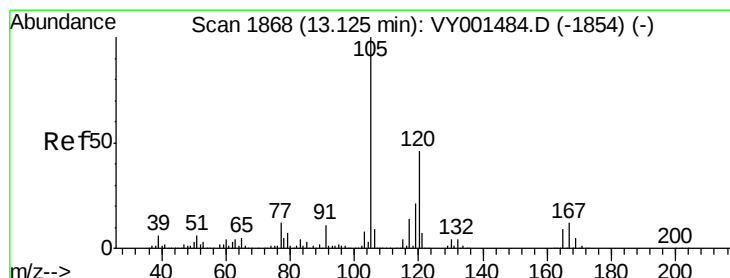
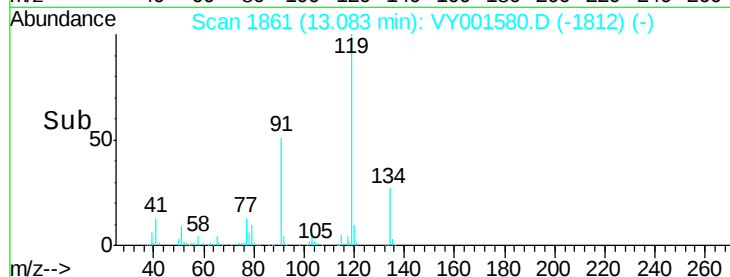
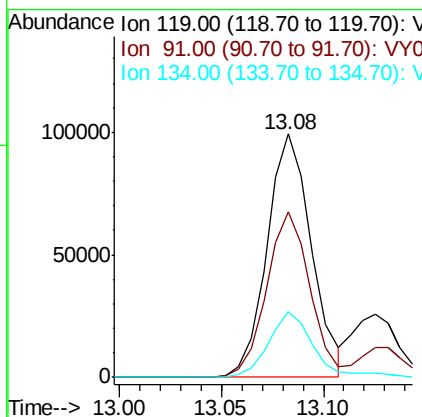
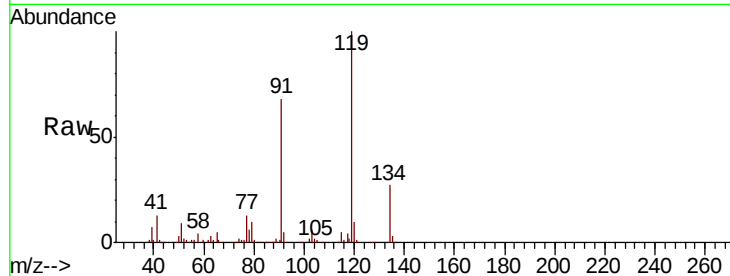
#83
tert-Butylbenzene
Concen: 18.168 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150196		
91	66.4	33.1	99.3	
134	27.2	13.0	39.0	

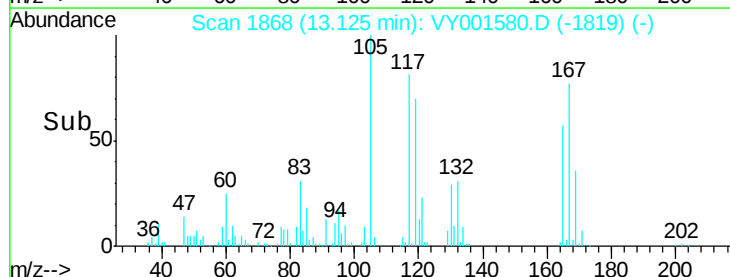
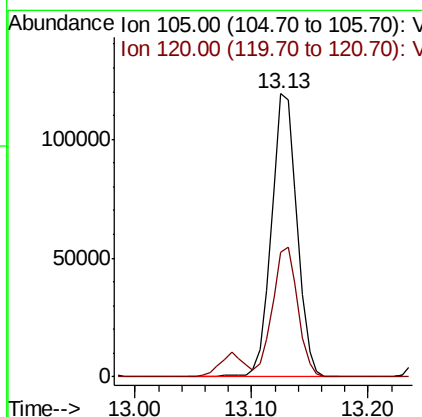
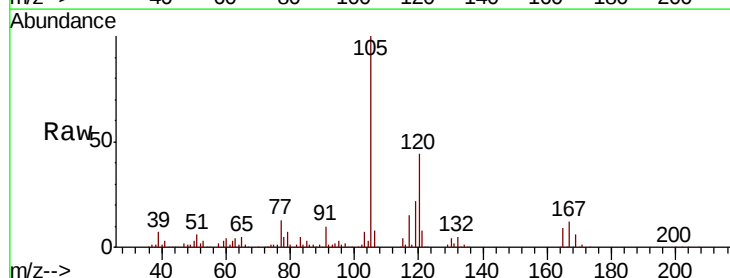
Manual Integrations
APPROVED

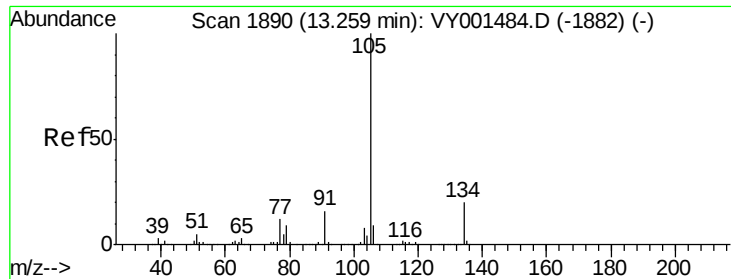
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.724 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181244		
120	45.2	22.4	67.0	





#85

sec-Butylbenzene

Concen: 18.970 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0210SBS01

Tot Ion:105 Resp: 220493

Ion Ratio Lower Upper

105 100

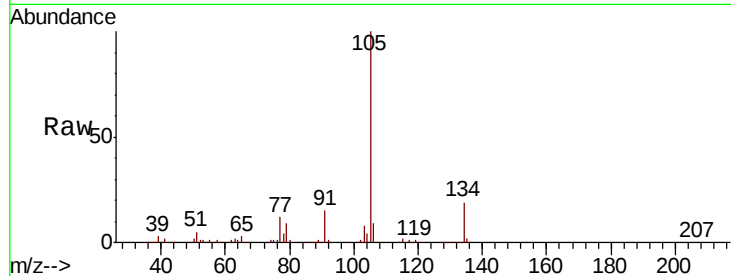
134 19.4 10.0 29.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

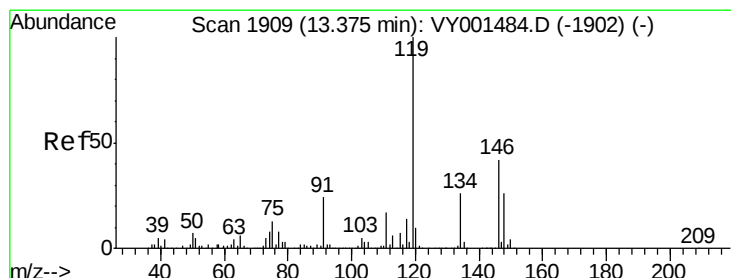
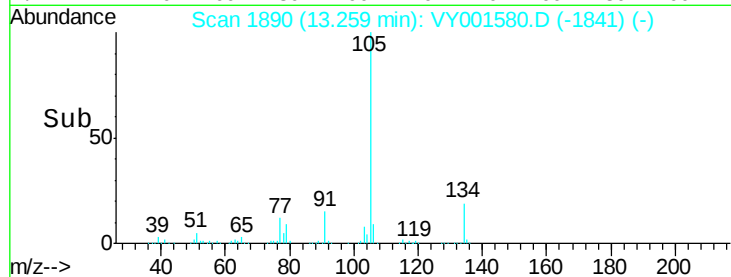
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.956 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001580.D

Acq: 10 Feb 2020 13:07

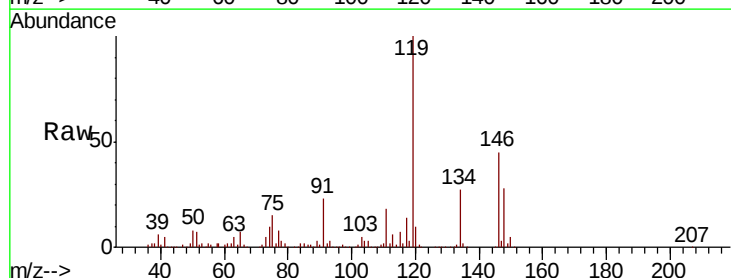
Tgt Ion:119 Resp: 194159

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 23.7 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

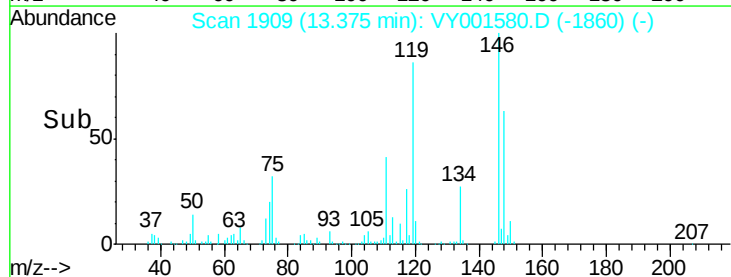
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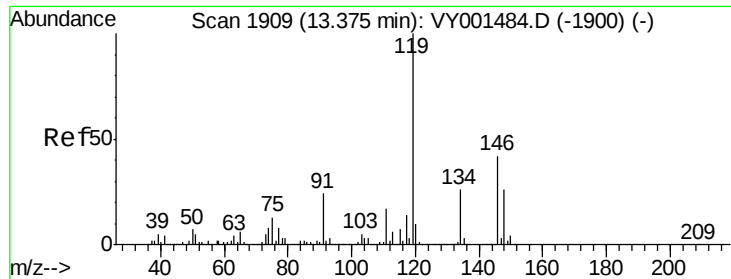
100000

50000

0

Time-->





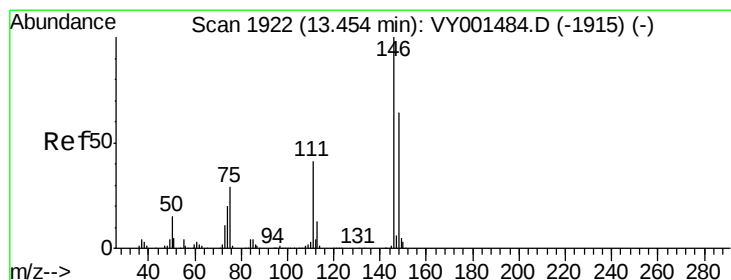
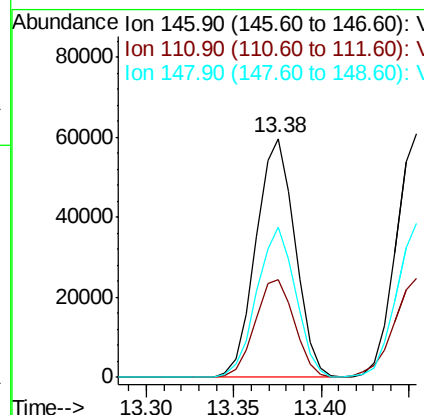
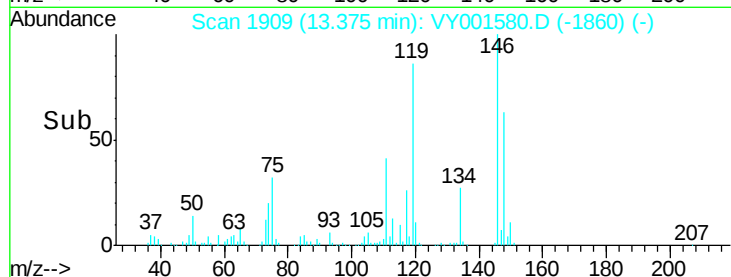
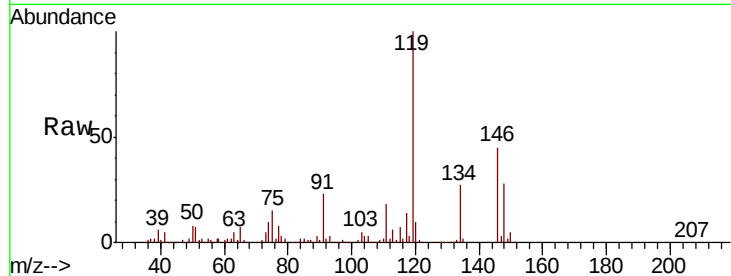
#87
 1,3-Dichlorobenzene
 Concen: 19.264 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	62.5	31.9	95.7

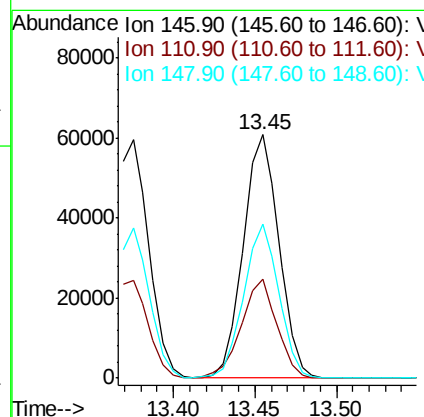
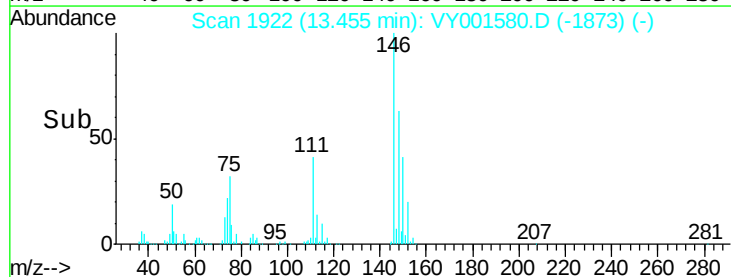
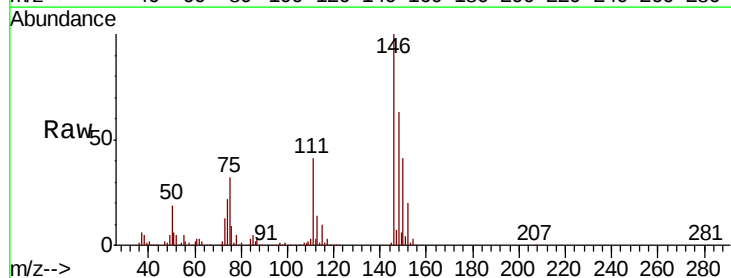
Manual Integrations
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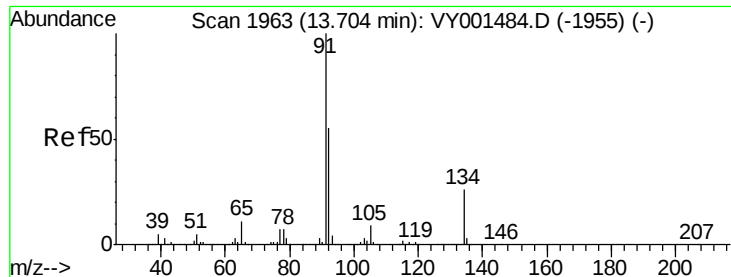
MMDadoda
 2/11/2020 6:11:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.258 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	62.3	32.1	96.5





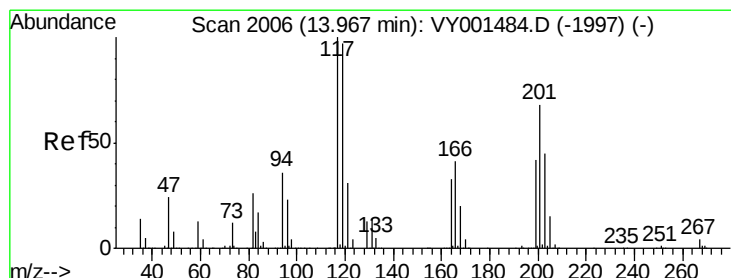
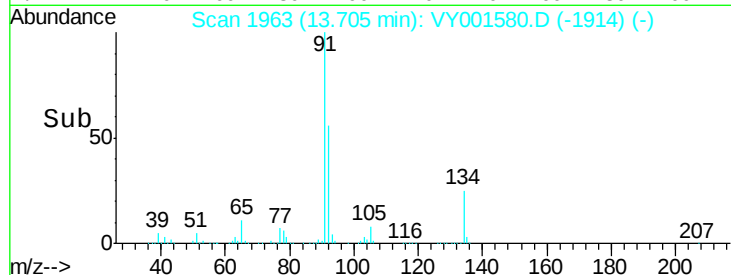
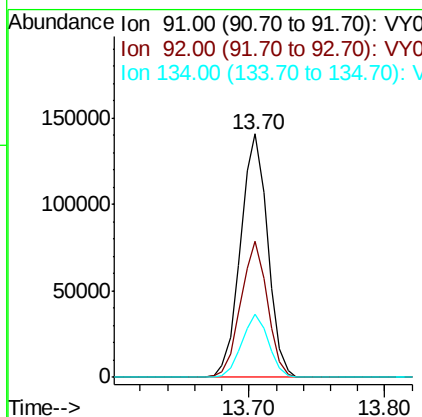
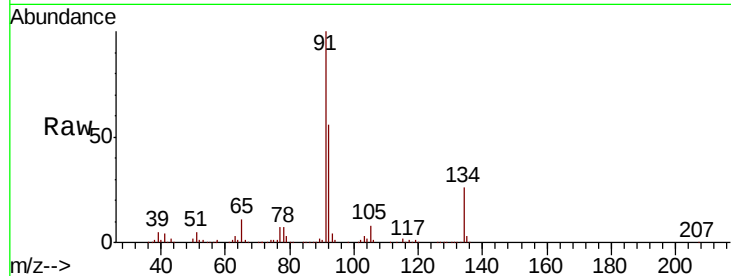
#89
n-Butylbenzene
Concen: 19.367 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	195723		
92	54.8		27.3	81.9
134	25.5		13.0	38.9

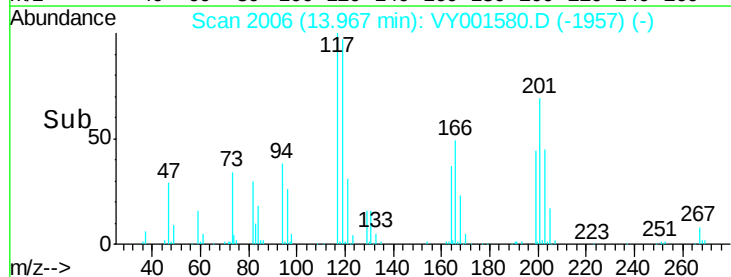
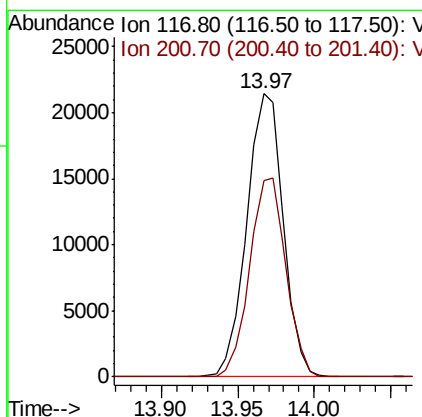
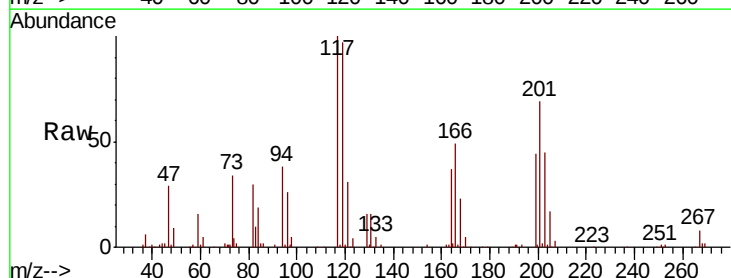
Manual Integrations
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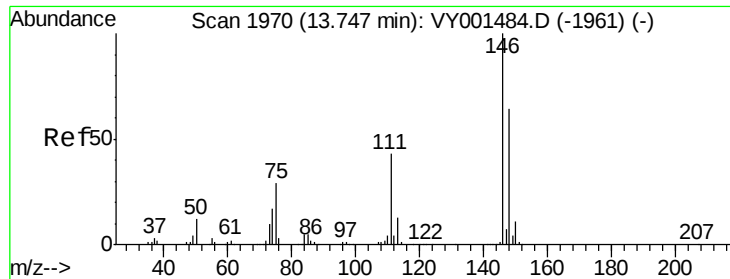
MMDadoda
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#90
Hexachloroethane
Concen: 18.087 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35557		
201	69.9		34.1	102.3





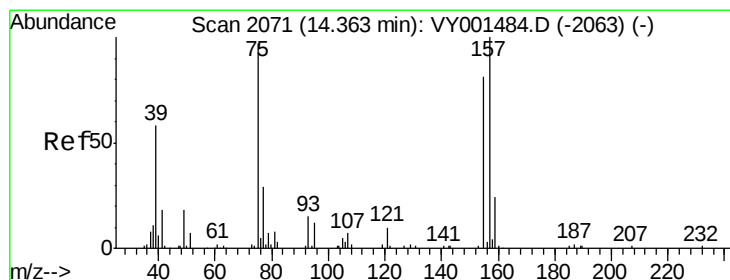
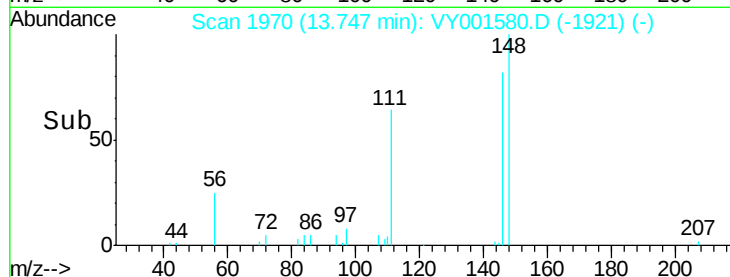
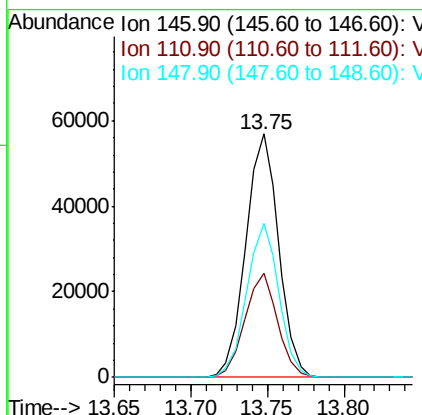
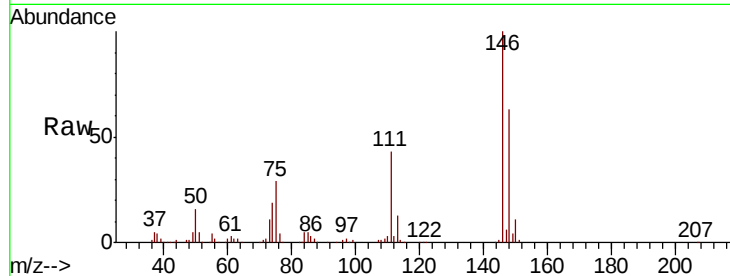
#91
 1,2-Dichlorobenzene
 Concen: 19.430 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.8
148	62.0	31.8	95.3

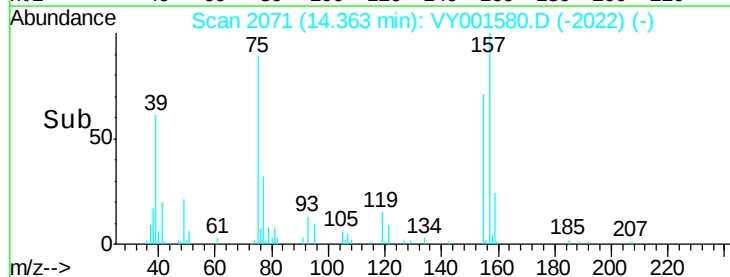
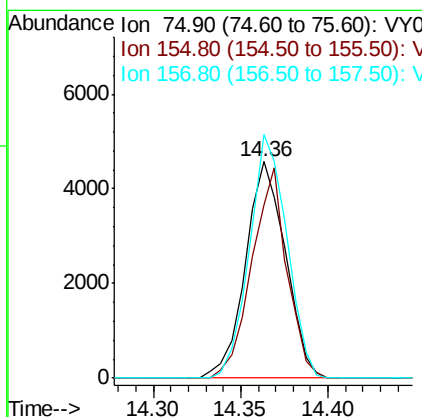
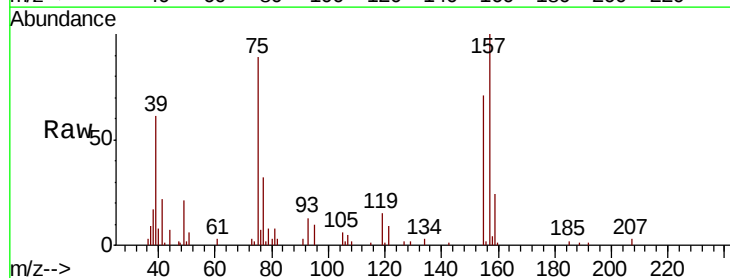
Manual Integrations
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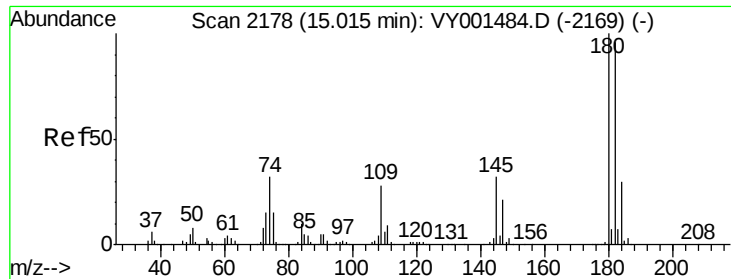
MMDadoda
 2/11/2020 6:11:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.839 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	40.7	122.1
157	105.4	52.3	157.1





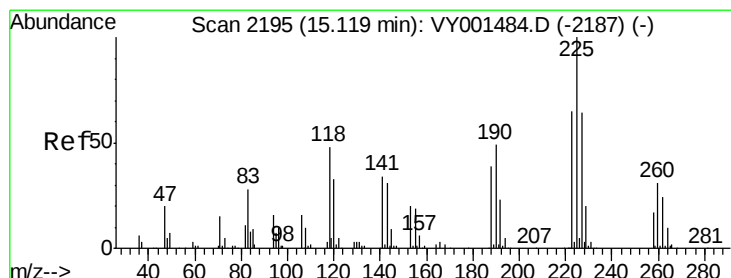
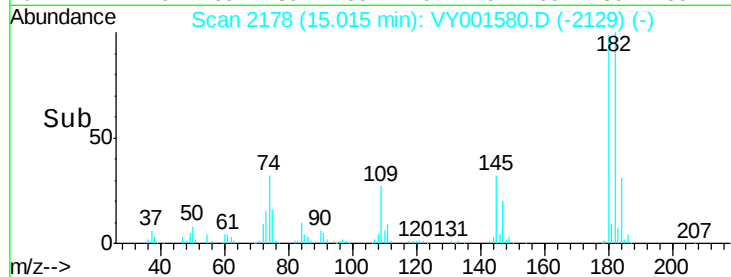
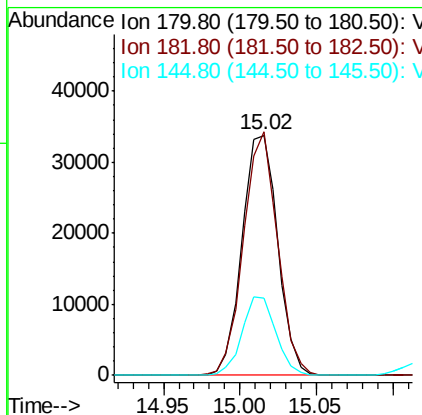
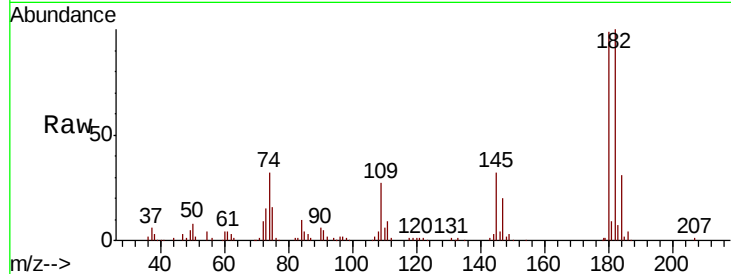
#93
 1,2,4-Trichlorobenzene
 Concen: 18.614 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.7
145	31.1	16.8	50.3

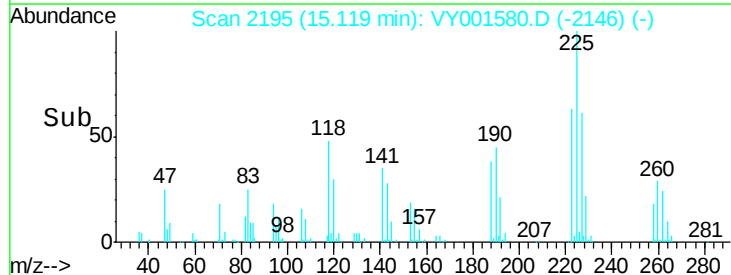
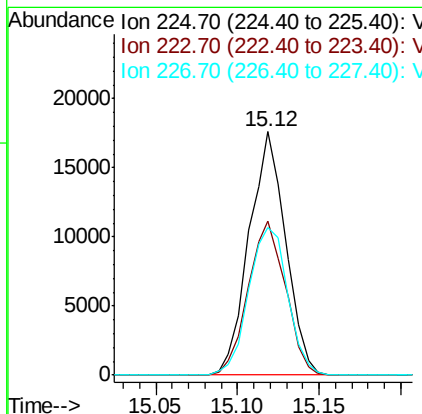
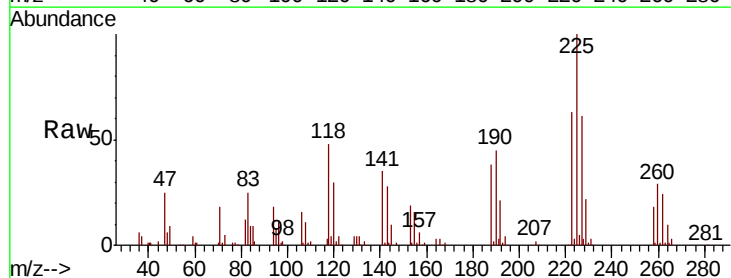
Manual Integrations
 APPROVED

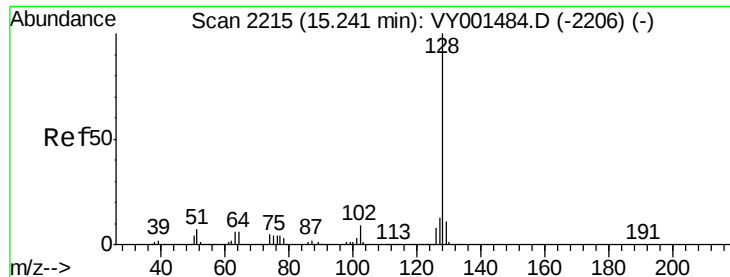
MMDadoda
 2/11/2020 6:11:02 PM



#94
 Hexachlorobutadiene
 Concen: 18.411 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001580.D
 Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.7
227	64.4	32.6	97.7





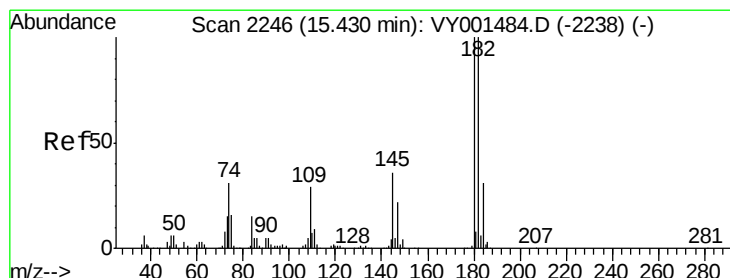
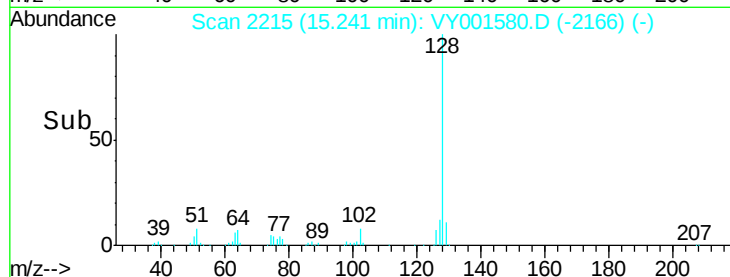
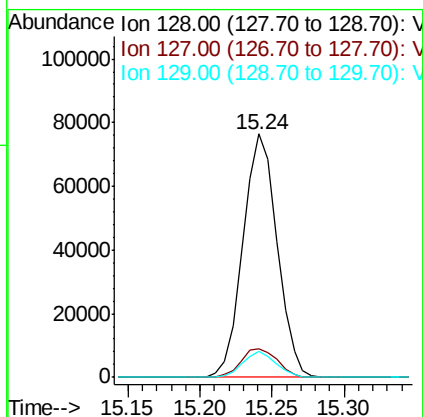
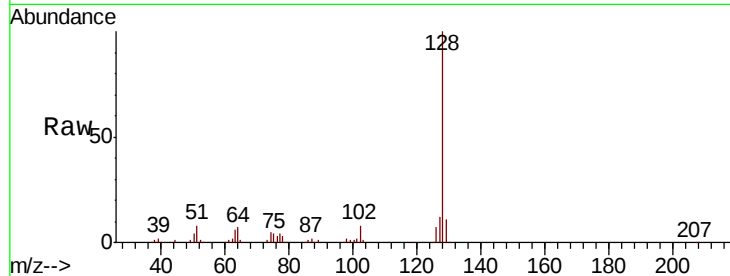
#95
Naphthalene
Concen: 18.136 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125368		
127	12.6		10.1	15.1
129	10.4		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:11:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.465 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001580.D
Acq: 10 Feb 2020 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47942		
182	96.4		48.0	144.2
145	34.8		17.8	53.5

