

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001920.D
 Acq On : 10 Mar 2020 13:44
 Operator : SY/MD
 Sample : VY0310SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Manual Integrations
 APPROVED

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 3/11/2020 3:22:41 PM

Quant Time: Mar 11 04:35:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	174644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	316025	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	286732	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	135023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	94593	50.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.72	113	88819	51.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.18	98	365877	50.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.48	95	127703	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	31428	19.495	ug/l	96
3) Chloromethane	2.11	50	44028	20.257	ug/l	95
4) Vinyl Chloride	2.26	62	44084	19.940	ug/l	99
5) Bromomethane	2.65	94	29820	19.527	ug/l	100
6) Chloroethane	2.79	64	27969	20.140	ug/l	98
7) Trichlorofluoromethane	3.13	101	59828	19.954	ug/l	88
8) Diethyl Ether	3.54	74	24575	20.796	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	39843	20.661	ug/l	99
10) Methyl Iodide	4.10	142	42871	19.224	ug/l	99
11) Tert butyl alcohol	4.96	59	25693	120.748	ug/l #	74
12) 1,1-Dichloroethene	3.88	96	39434	20.309	ug/l	99
13) Acrolein	3.74	56	25660	97.940	ug/l	98
14) Allyl chloride	4.49	41	72339	21.015	ug/l	99
15) Acrylonitrile	5.17	53	65441	103.634	ug/l	99
16) Acetone	3.96	43	54760	100.840	ug/l	91
17) Carbon Disulfide	4.19	76	128714	19.719	ug/l	97
18) Methyl Acetate	4.48	43	28960	20.755	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	111558	21.201	ug/l	94
20) Methylene Chloride	4.72	84	50508	21.702	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	45587	20.685	ug/l	96
22) Diisopropyl ether	6.12	45	147835	20.951	ug/l	96
23) Vinyl Acetate	6.07	43	483728	104.572	ug/l	99
24) 1,1-Dichloroethane	6.03	63	79063	20.691	ug/l	100
25) 2-Butanone	6.99	43	87261	105.667	ug/l	99
26) 2,2-Dichloropropane	6.99	77	65082	20.752	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	49815	20.779	ug/l	99
28) Bromochloromethane	7.34	49	34994	20.318	ug/l	98
29) Tetrahydrofuran	7.36	42	57296	104.480	ug/l	99
30) Chloroform	7.51	83	73677	20.523	ug/l	100
31) Cyclohexane	7.79	56	82087	20.036	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	62147	20.539	ug/l	99
36) 1,1-Dichloropropene	7.92	75	61962	20.375	ug/l	99
37) Ethyl Acetate	7.08	43	37932	21.461	ug/l	99
38) Carbon Tetrachloride	7.91	117	52123	20.064	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81302	20.157	ug/l	98
40) Benzene	8.17	78	183518	20.359	ug/l	98
41) Methacrylonitrile	7.33	41	23038m	28.962	ug/l	
42) 1,2-Dichloroethane	8.24	62	48290	20.790	ug/l	99
43) Isopropyl Acetate	8.28	43	69801	20.859	ug/l	99
44) Trichloroethene	8.94	130	44888	20.448	ug/l	88
45) 1,2-Dichloropropane	9.22	63	46979	20.733	ug/l	99
46) Dibromomethane	9.31	93	24211	20.734	ug/l	98
47) Bromodichloromethane	9.50	83	57285	21.089	ug/l	98
48) Methyl methacrylate	9.30	41	30524	20.556	ug/l	95
49) 1,4-Dioxane	9.30	88	6594	412.119	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	181932	105.552	ug/l	100
52) Toluene	10.25	92	112391	20.525	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	62677	21.179	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	73248	20.792	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	36115	21.133	ug/l	95
56) Ethyl methacrylate	10.51	69	52687	21.034	ug/l	96
57) 1,3-Dichloropropane	10.80	76	62845	20.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	135518	140.713	ug/l	98
59) 2-Hexanone	10.83	43	129322	105.119	ug/l	100
60) Dibromochloromethane	10.99	129	37458	20.802	ug/l	99
61) 1,2-Dibromoethane	11.09	107	33033	20.406	ug/l	100
64) Tetrachloroethene	10.72	164	36905	20.524	ug/l	97
65) Chlorobenzene	11.52	112	116366	20.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	39040	20.837	ug/l	99
67) Ethyl Benzene	11.59	91	216213	20.292	ug/l	100
68) m/p-Xylenes	11.70	106	161023	40.876	ug/l	100
69) o-Xylene	12.03	106	76073	20.489	ug/l	100
70) Styrene	12.05	104	131932	20.747	ug/l	100
71) Bromoform	12.21	173	20847	20.517	ug/l #	99
73) Isopropylbenzene	12.33	105	201484	19.548	ug/l	99
74) N-amyl acetate	12.15	43	64410	20.332	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	44318	19.938	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	31238m	19.498	ug/l	
77) Bromobenzene	12.61	156	43339	19.846	ug/l	98
78) n-propylbenzene	12.67	91	255277	20.075	ug/l	100
79) 2-Chlorotoluene	12.76	91	140569	20.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	172416	20.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15583	19.647	ug/l	96
82) 4-Chlorotoluene	12.86	91	147854	20.213	ug/l	100
83) tert-Butylbenzene	13.08	119	146301	20.758	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	170061	20.195	ug/l	100
85) sec-Butylbenzene	13.26	105	211225	20.333	ug/l	100
86) p-Isopropyltoluene	13.38	119	186454	20.807	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	88645	20.715	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89021	20.505	ug/l	98
89) n-Butylbenzene	13.70	91	193758	20.840	ug/l	98
90) Hexachloroethane	13.97	117	34306	20.293	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	80009	20.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7051	20.329	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	52106	20.667	ug/l	96
94) Hexachlorobutadiene	15.12	225	25773	20.967	ug/l	99
95) Naphthalene	15.25	128	122193	20.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	47244	21.271	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:168 Resp: 174644

Ion Ratio Lower Upper

168 100

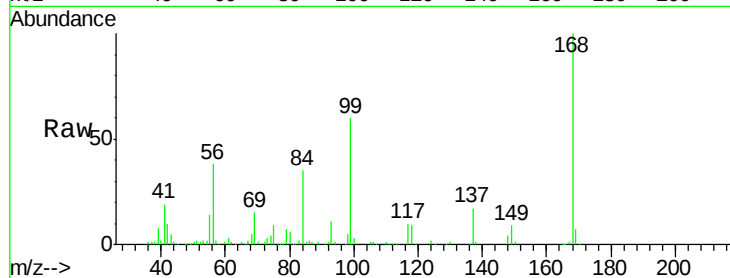
99 59.9 46.7 70.1

Manual Integrations

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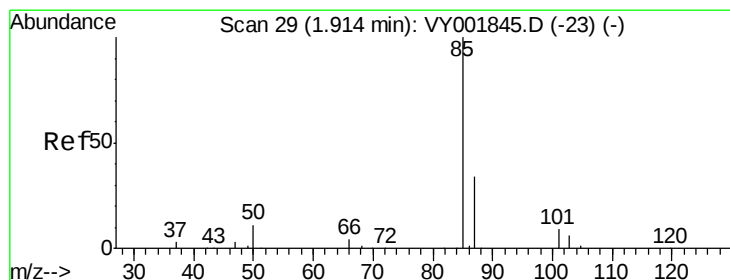
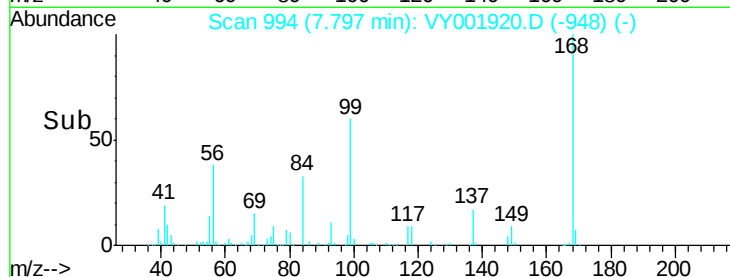
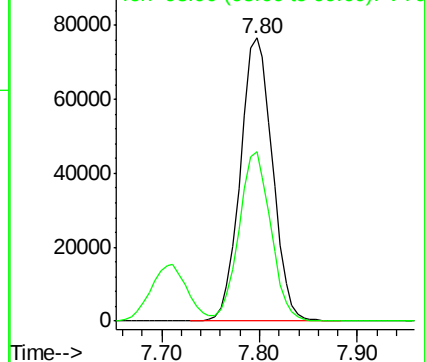
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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#2

Dichlorodifluoromethane

Concen: 19.495 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001920.D

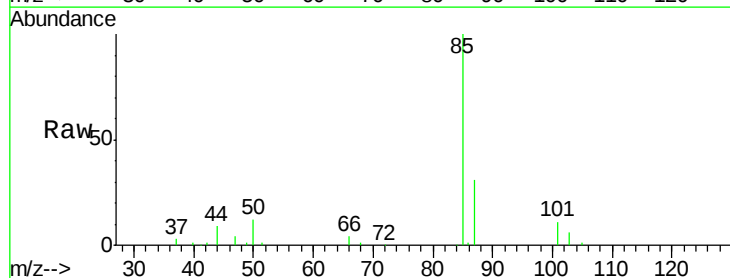
Acq: 10 Mar 2020 13:44

Tgt Ion: 85 Resp: 31428

Ion Ratio Lower Upper

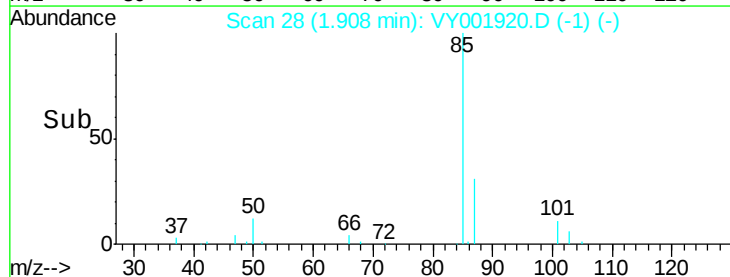
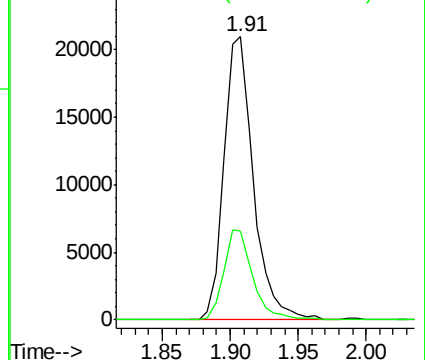
85 100

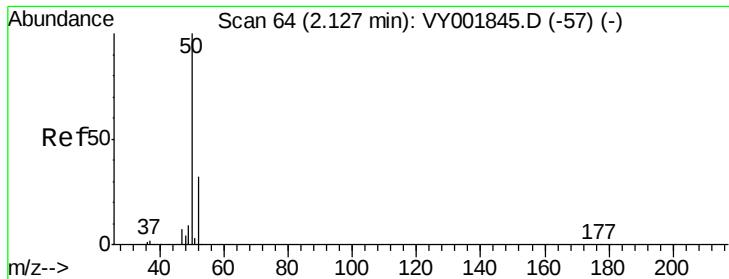
87 31.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0





#3

Chloromethane

Concen: 20.257 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tot Ion: 50 Resp: 44028

Ion Ratio Lower Upper

50 100

52 29.3 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

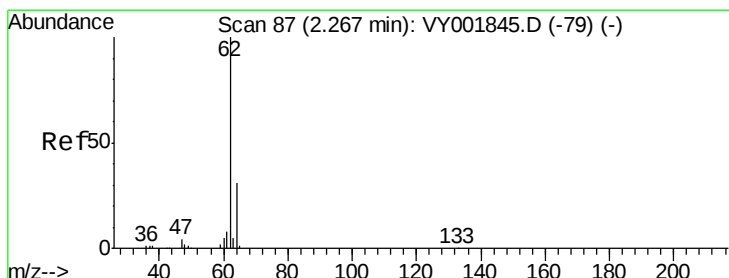
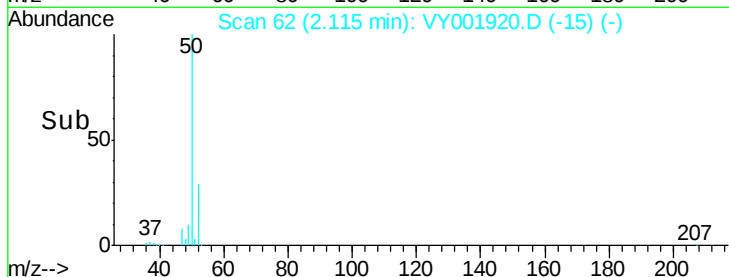
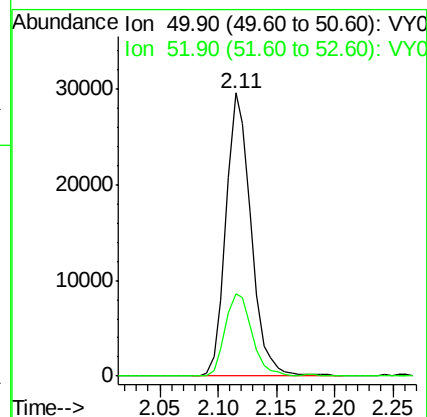
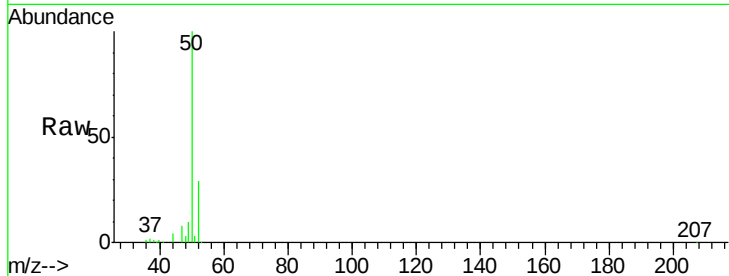
VY0310SBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.940 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001920.D

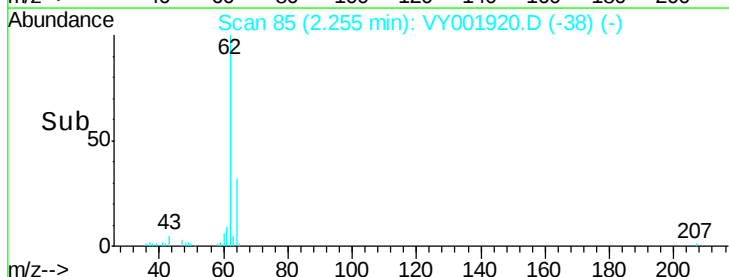
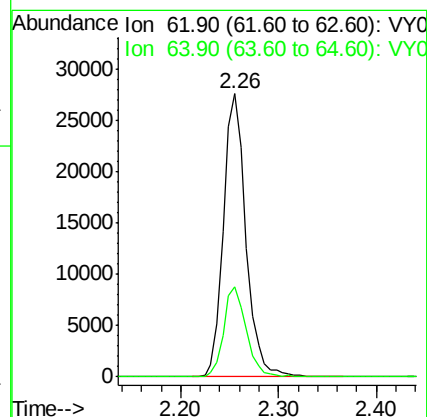
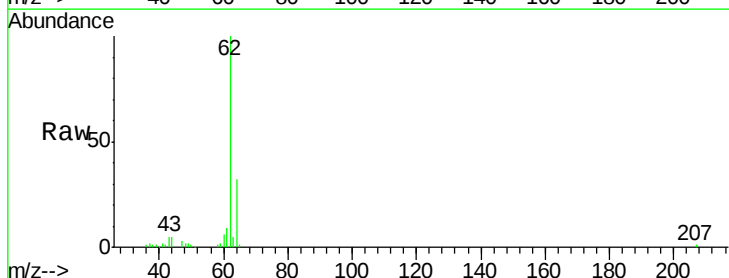
Acq: 10 Mar 2020 13:44

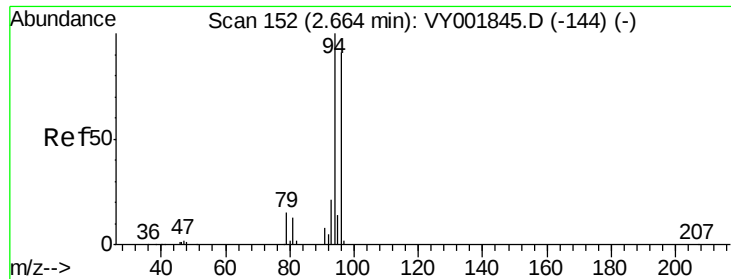
Tgt Ion: 62 Resp: 44084

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 19.527 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 94 Resp: 29820

Ion Ratio Lower Upper

94 100

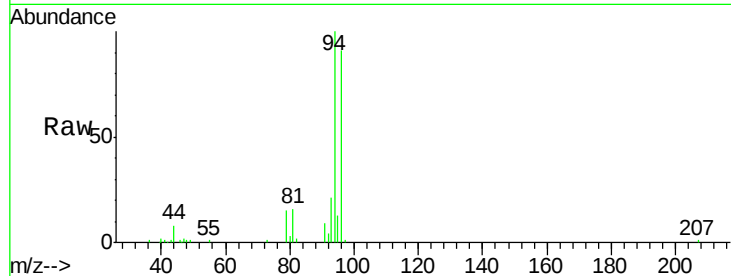
96 91.3 73.2 109.8

Manual Integrations

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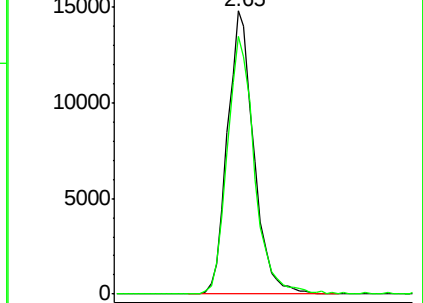
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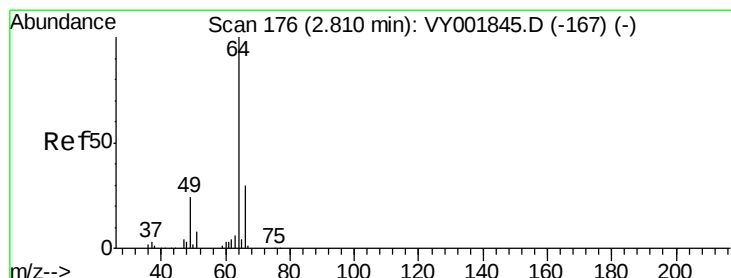
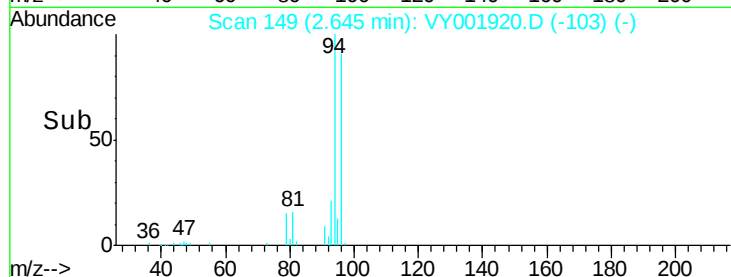


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 20.140 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.02 min

Lab File: VY001920.D

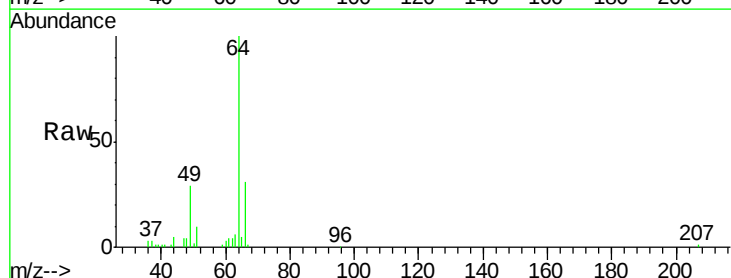
Acq: 10 Mar 2020 13:44

Tgt Ion: 64 Resp: 27969

Ion Ratio Lower Upper

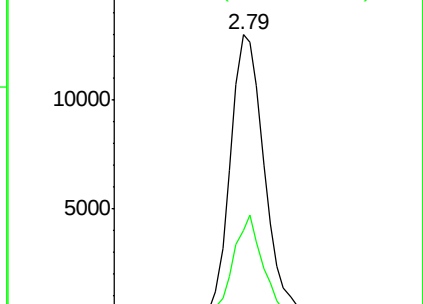
64 100

66 31.0 23.8 35.8

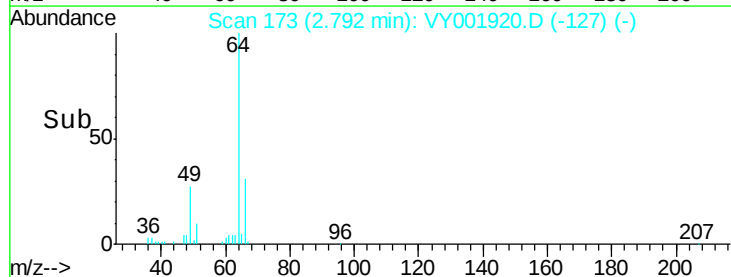


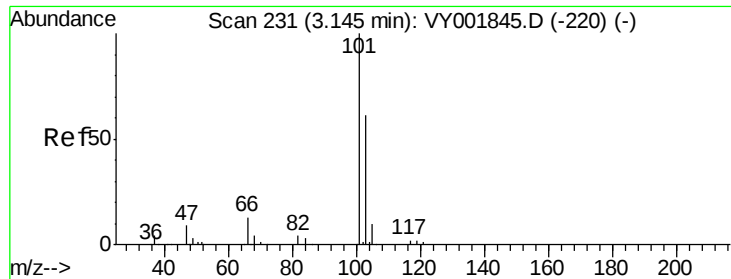
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

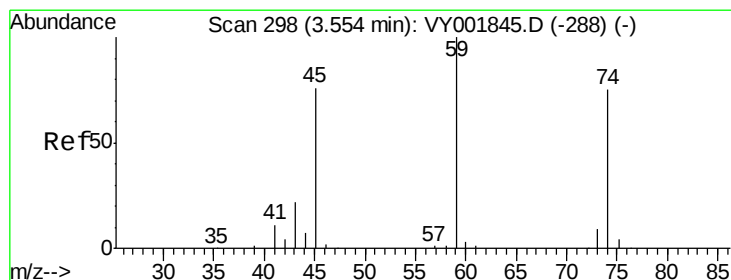
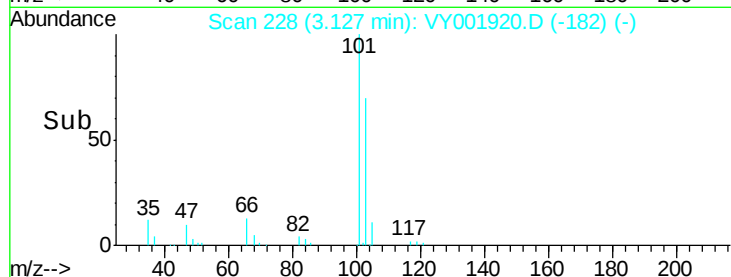
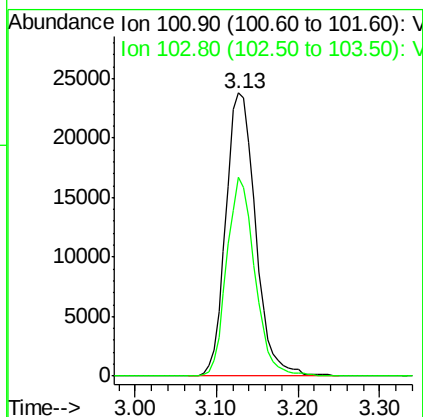
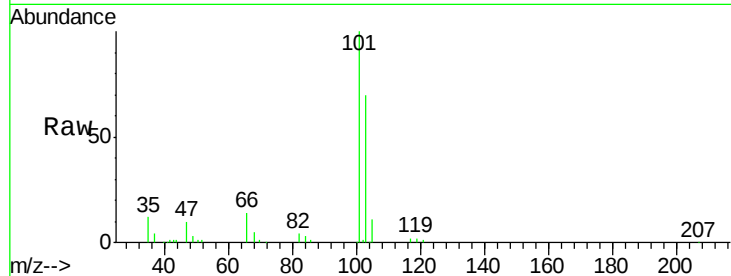
Trichlorofluoromethane
 Concen: 19.954 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.4	49.1	73.7

Manual Integrations
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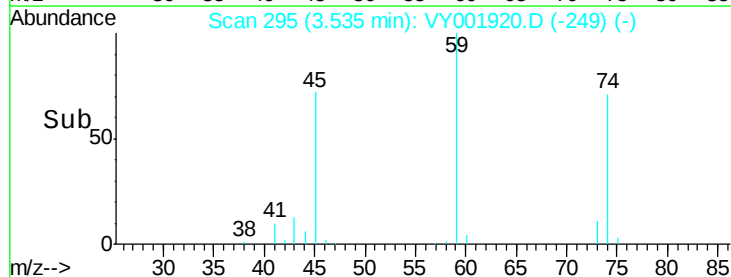
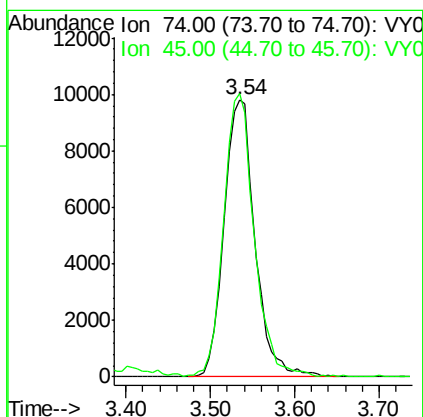
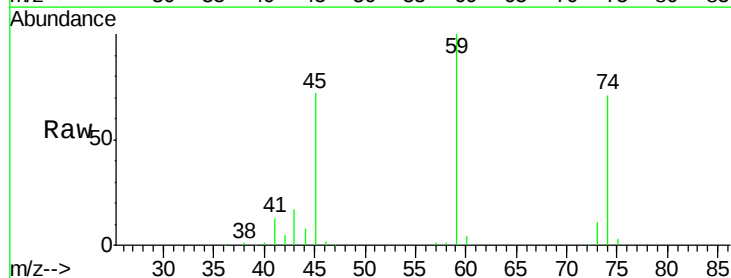
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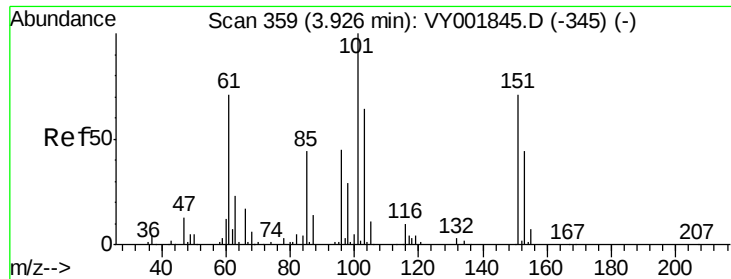


#8

Diethyl Ether
 Concen: 20.796 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.661 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

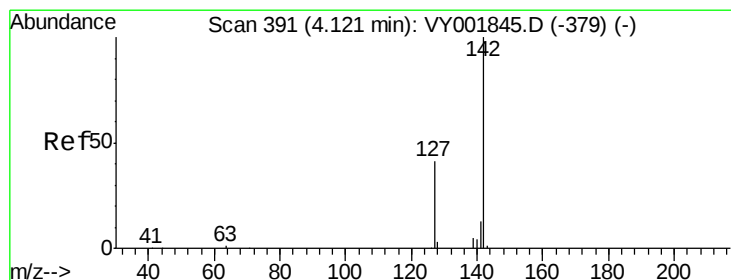
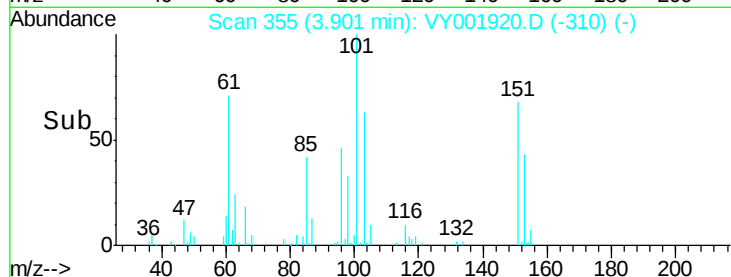
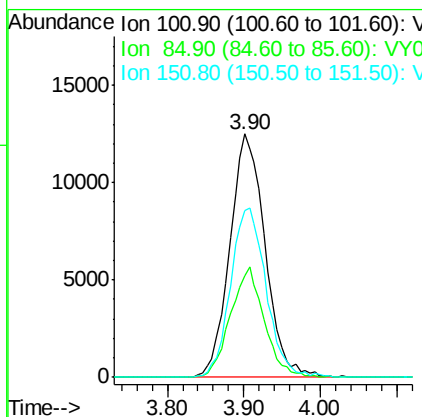
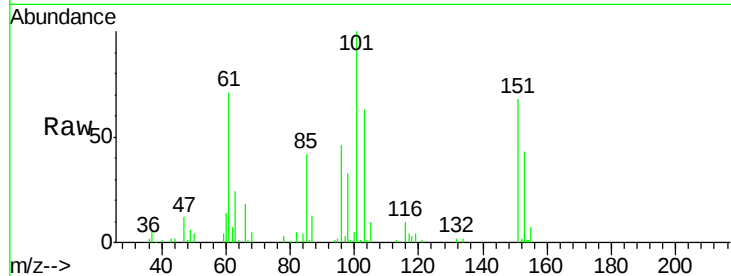
ClientSampleId :

VY0310SBS01

Tot Ion:	101	Resp:	39843
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.3	52.9
151	70.4	57.0	85.4

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#10

Methyl Iodide

Concen: 19.224 ug/l

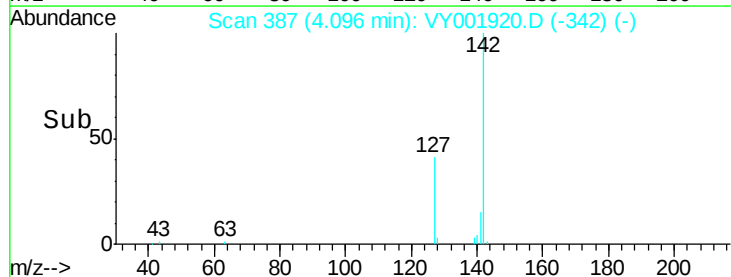
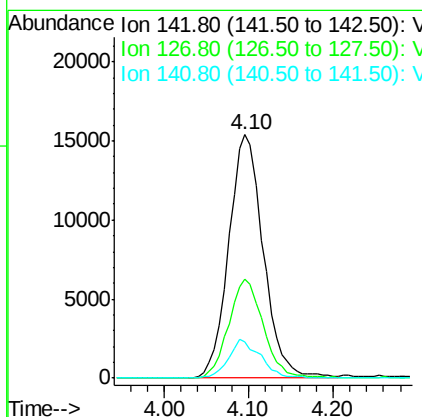
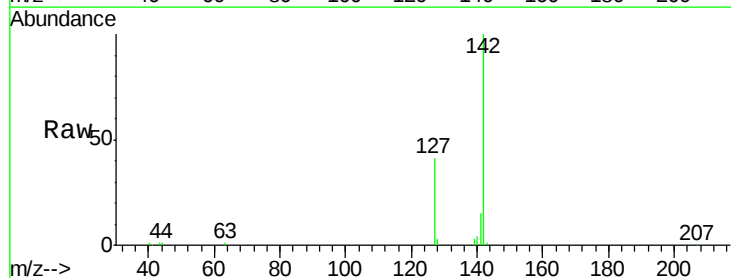
RT: 4.10 min Scan# 387

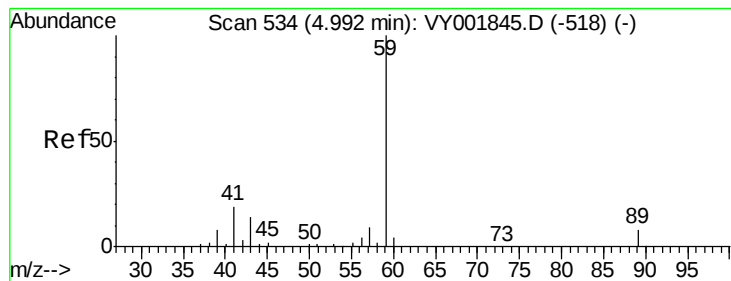
Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	142	Resp:	42871
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.7	49.1
141	14.6	11.0	16.6





#11

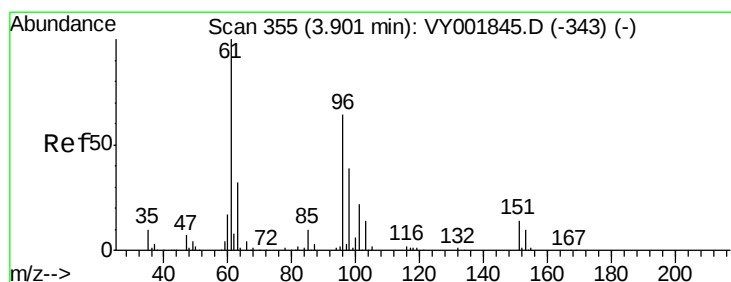
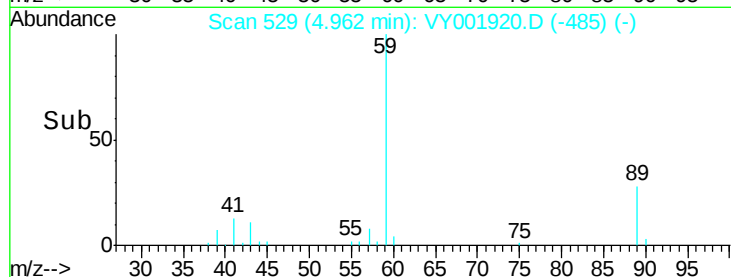
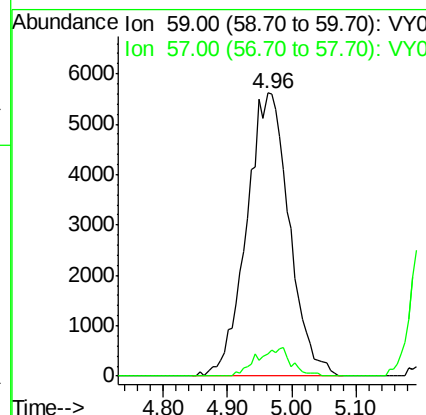
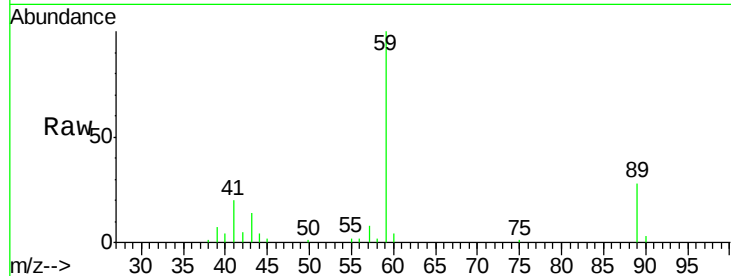
Tert butyl alcohol
 Concen: 120.748 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.2#

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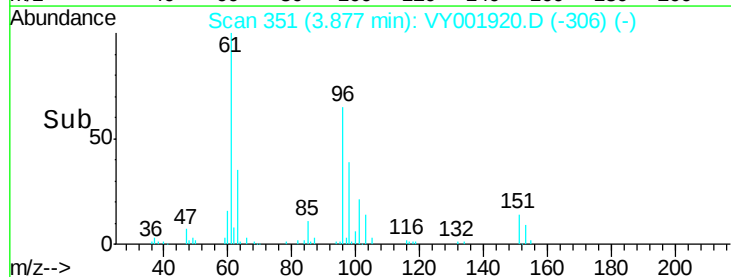
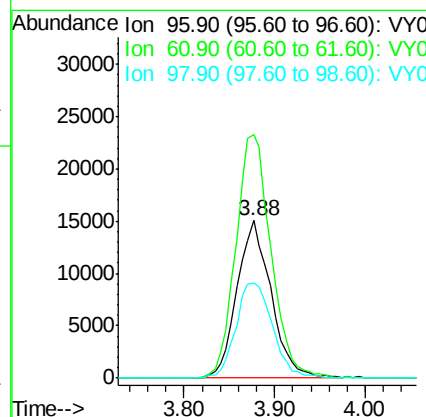
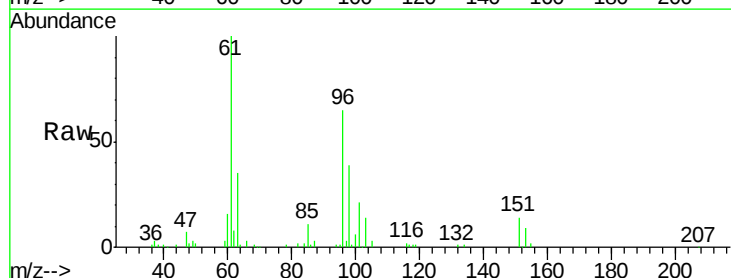
MMDadoda
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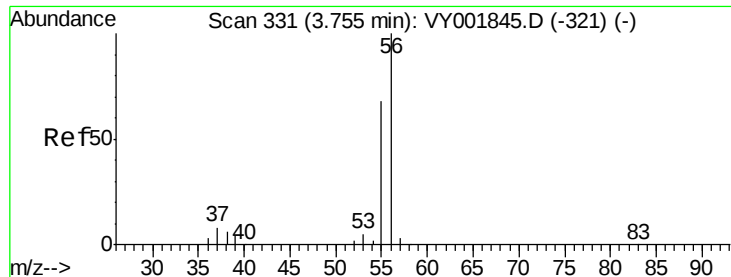


#12

1,1-Dichloroethene
 Concen: 20.309 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	124.8	187.2
98	60.1	49.2	73.8





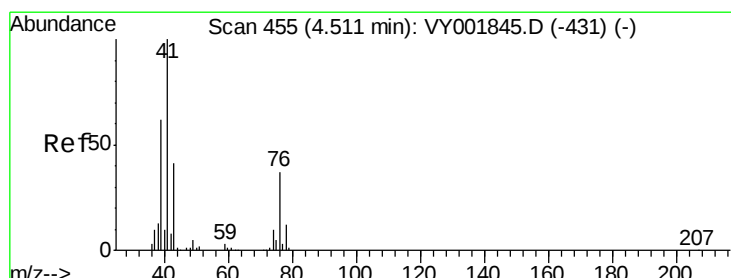
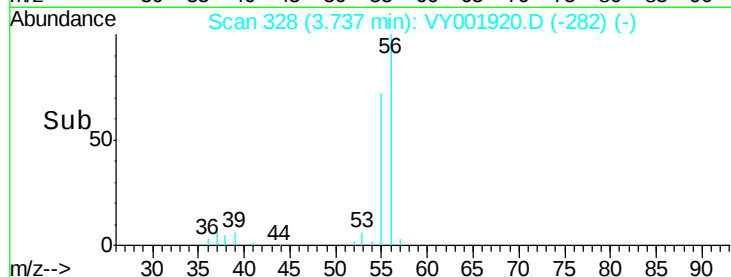
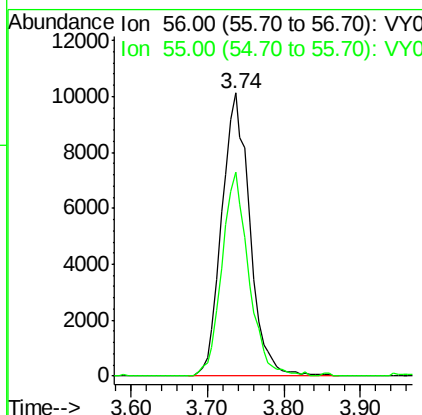
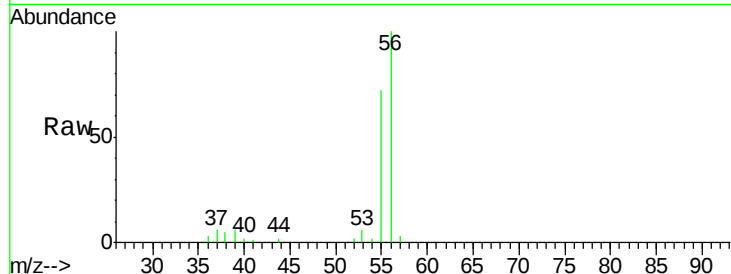
#13
Acrolein
Concen: 97.940 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	54.0	81.0

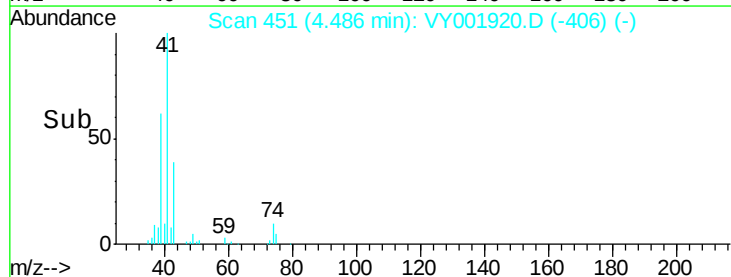
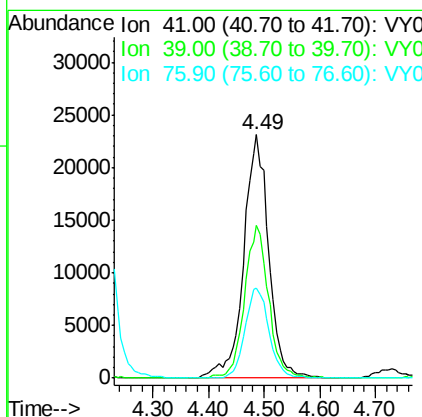
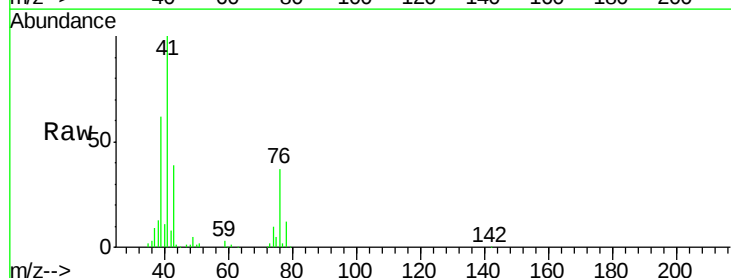
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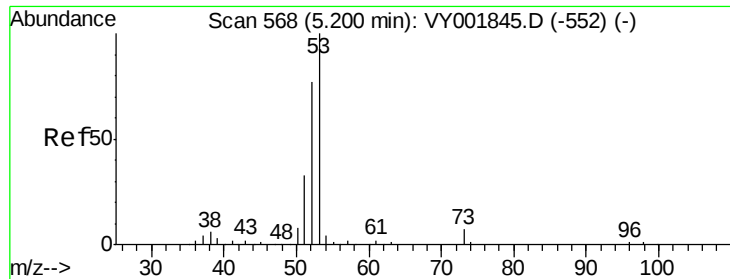
MMDadoda
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#14
Allyl chloride
Concen: 21.015 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.1	49.0	73.6
76	35.3	28.9	43.3





#15

Acrylonitrile

Concen: 103.634 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.03 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

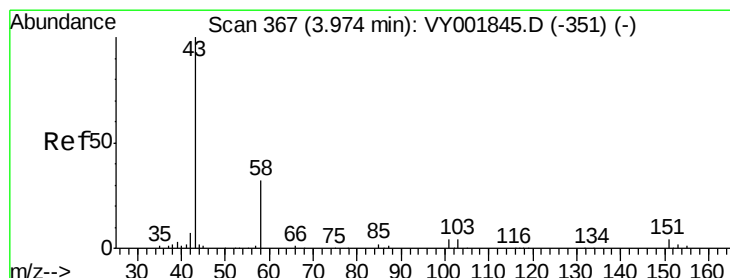
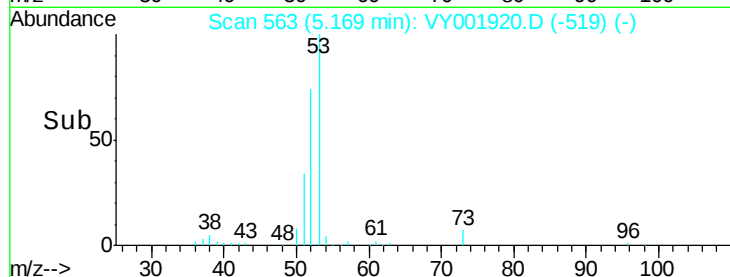
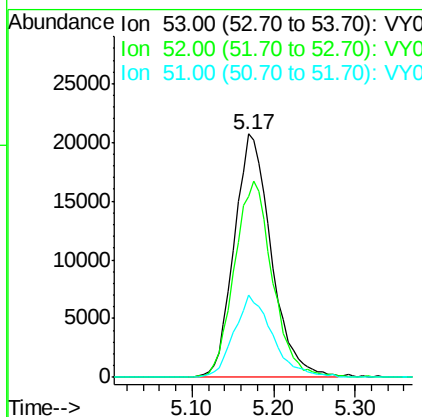
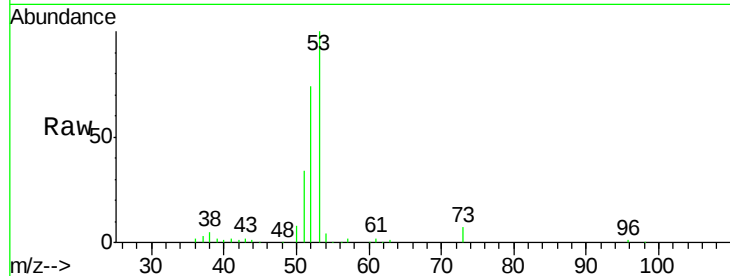
ClientSampleId :

VY0310SBS01

Tot Ion:	53	Resp:	65441
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	34.9	27.5	41.3

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#16

Acetone

Concen: 100.840 ug/l

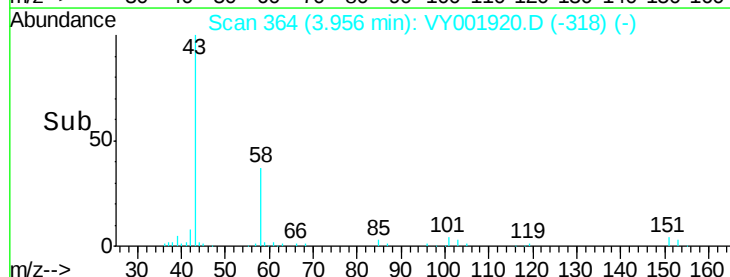
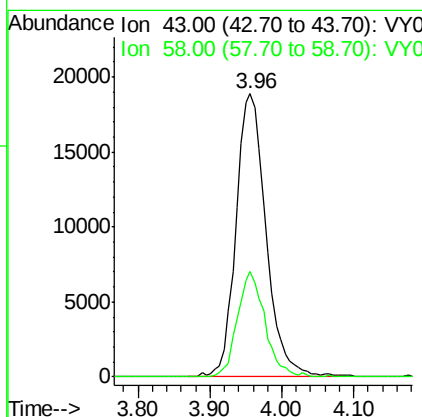
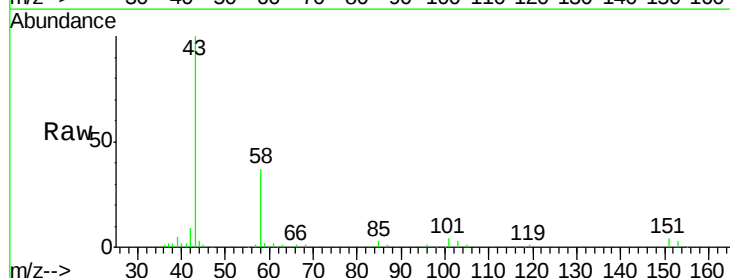
RT: 3.96 min Scan# 364

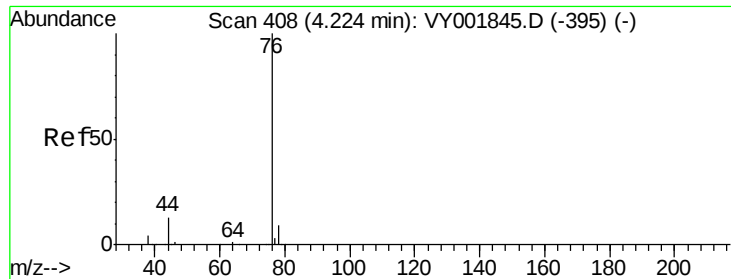
Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	43	Resp:	54760
Ion	Ratio	Lower	Upper
43	100		
58	37.5	25.9	38.9





#17

Carbon Disulfide

Concen: 19.719 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.03 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 76 Resp: 128714

Ion Ratio Lower Upper

76 100

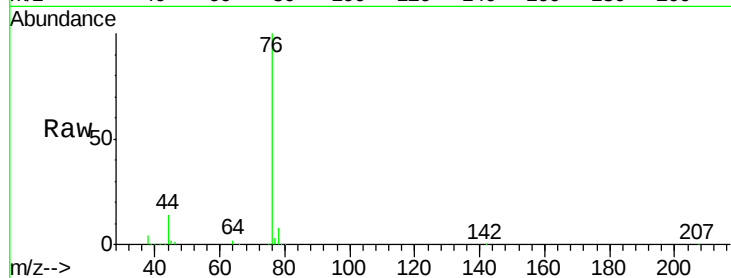
78 8.3 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

50000

40000

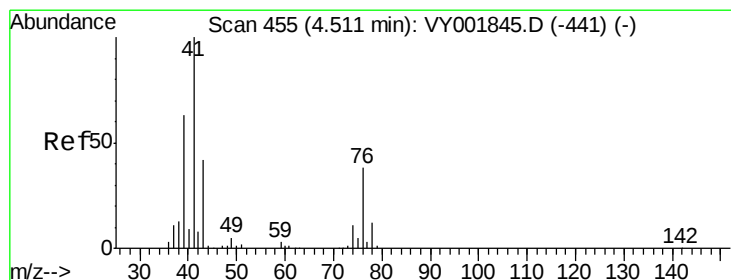
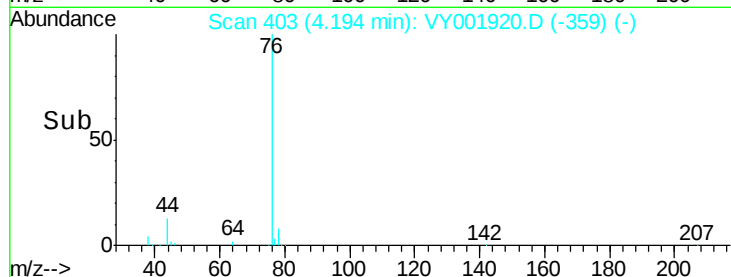
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 20.755 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.03 min

Lab File: VY001920.D

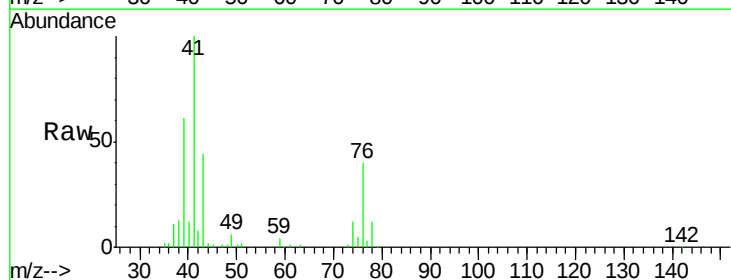
Acq: 10 Mar 2020 13:44

Tgt Ion: 43 Resp: 28960

Ion Ratio Lower Upper

43 100

74 24.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

10000

8000

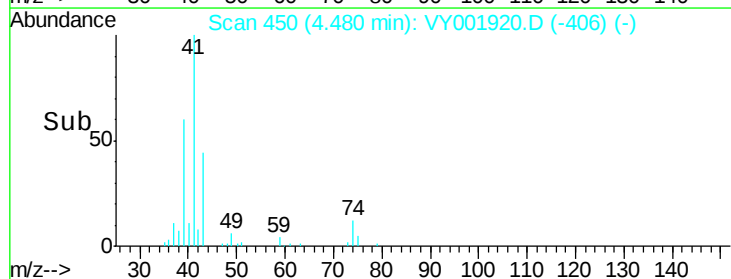
6000

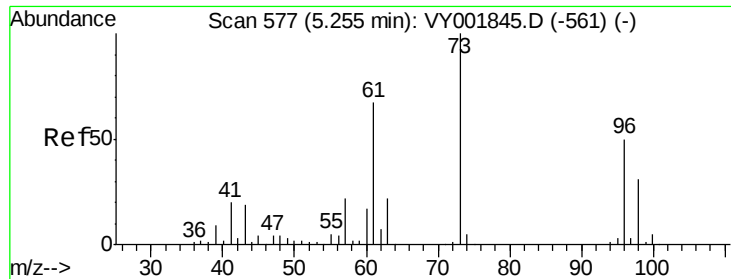
4000

2000

0

Time-->





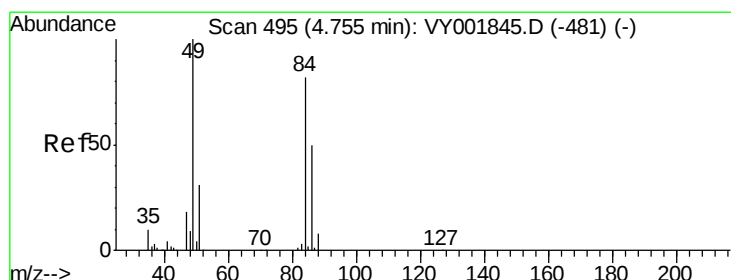
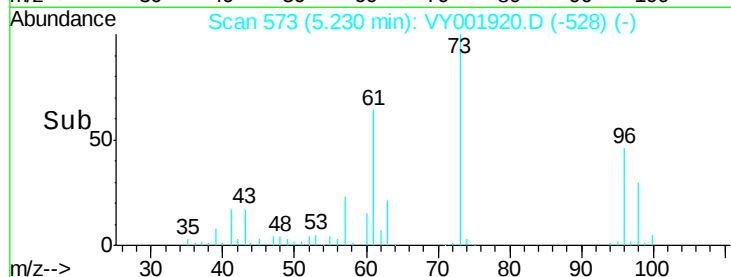
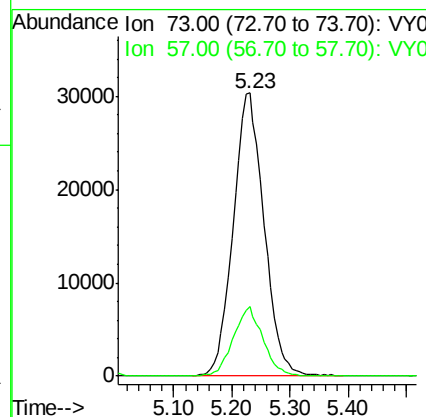
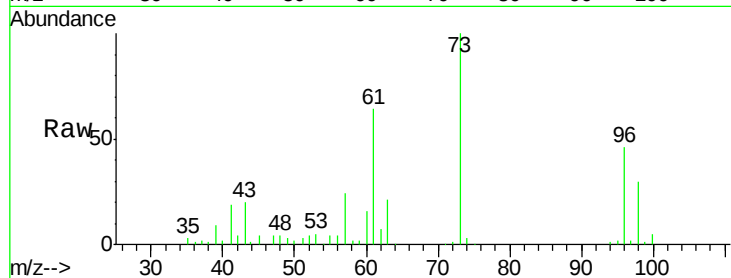
#19
Methyl tert-butyl Ether
Concen: 21.201 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 73 Resp: 111558
Ion Ratio Lower Upper
73 100
57 24.4 17.4 26.2

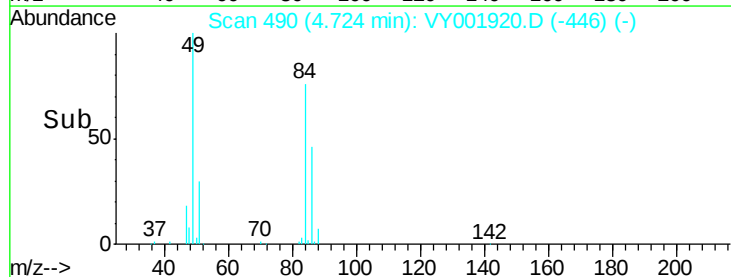
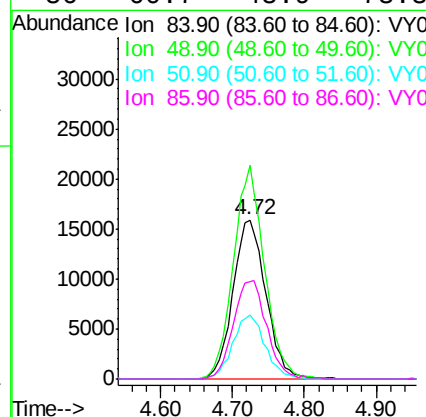
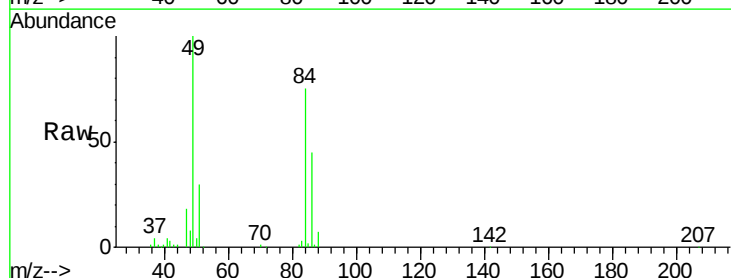
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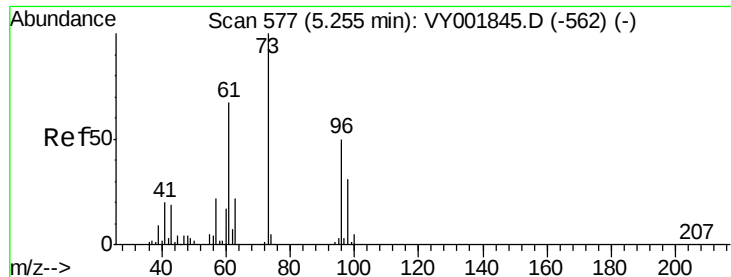
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#20
Methylene Chloride
Concen: 21.702 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion: 84 Resp: 50508
Ion Ratio Lower Upper
84 100
49 134.0 98.2 147.2
51 40.2 30.2 45.2
86 60.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.685 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.03 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

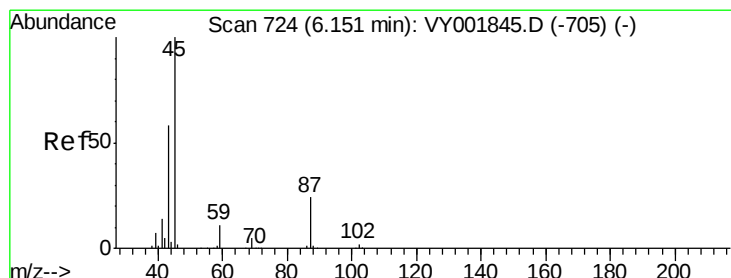
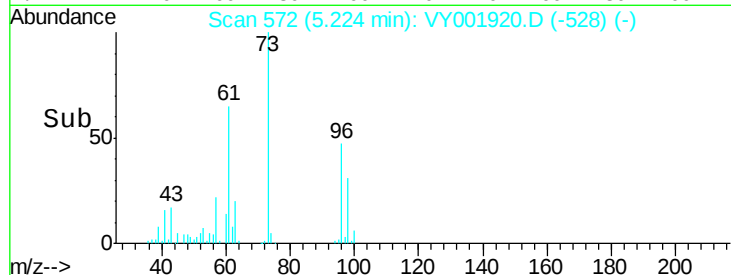
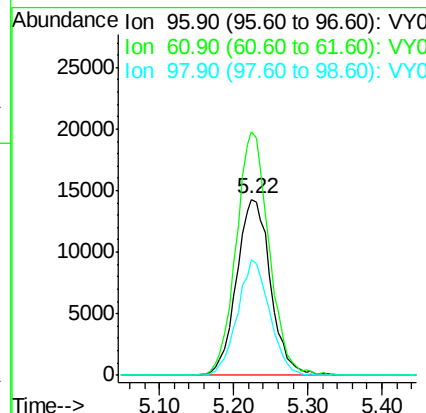
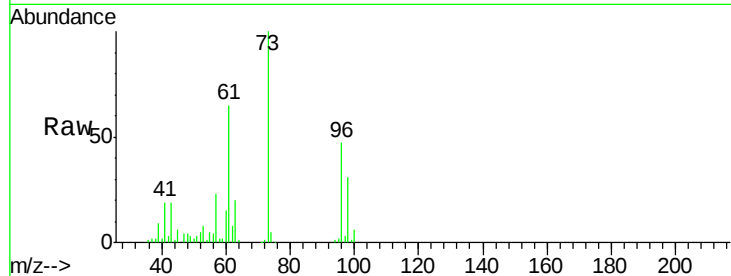
ClientSampleId :

VY0310SBS01

Tot Ion:	96	Resp:	45587
Ion	Ratio	Lower	Upper
96	100		
61	138.3	107.7	161.5
98	65.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.951 ug/l

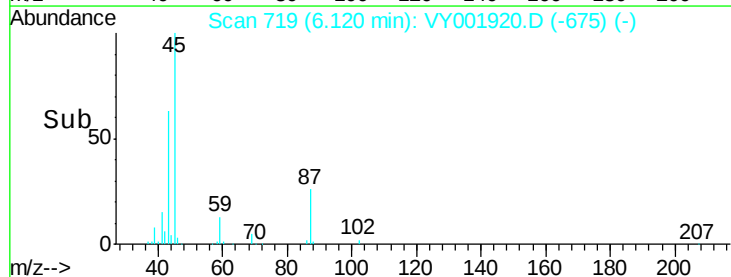
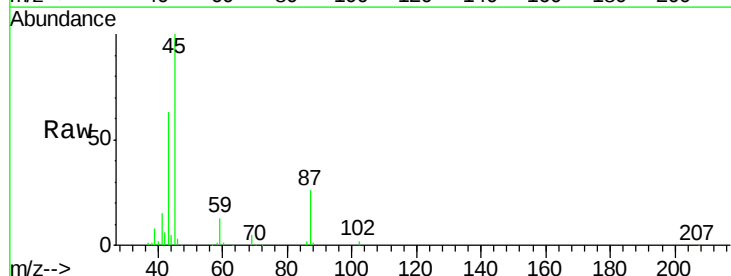
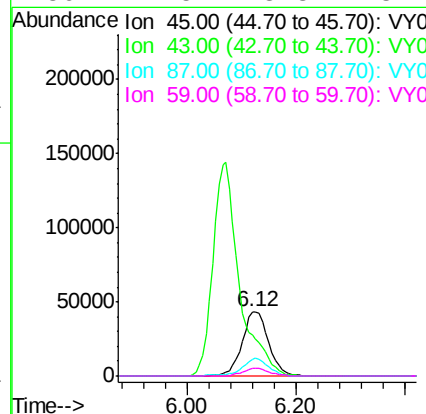
RT: 6.12 min Scan# 719

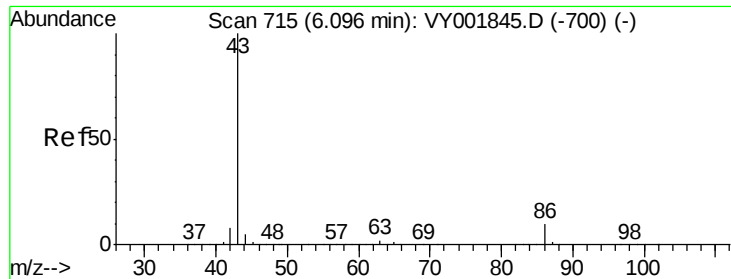
Delta R.T. -0.03 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	45	Resp:	147835
Ion	Ratio	Lower	Upper
45	100		
43	62.3	47.2	70.8
87	25.5	19.8	29.8
59	12.5	8.8	13.2





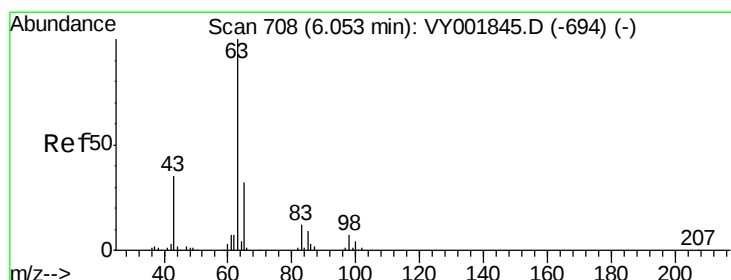
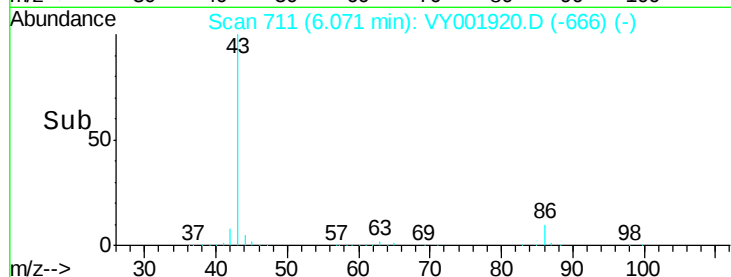
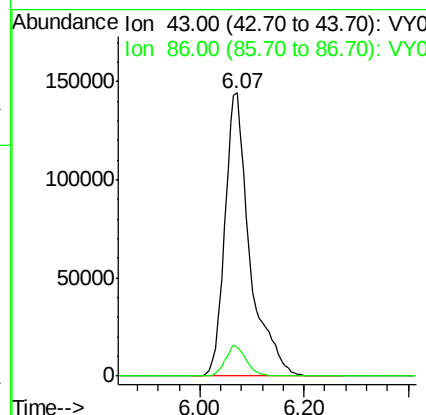
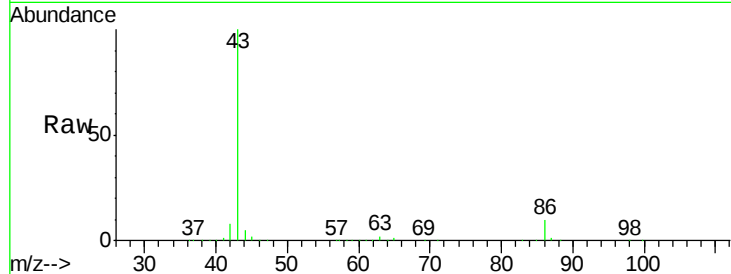
#23
 Vinyl Acetate
 Concen: 104.572 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	43	Resp	483728
Ion Ratio	Lower	Upper	
43	100		
86	10.2	7.8	11.8

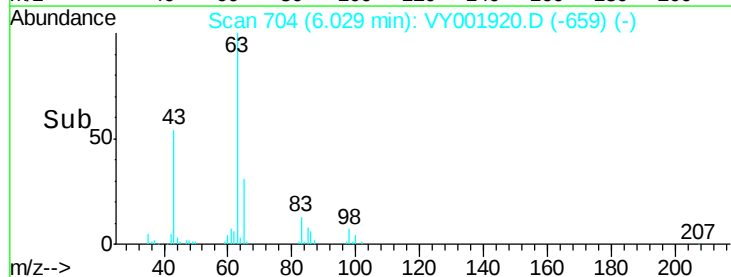
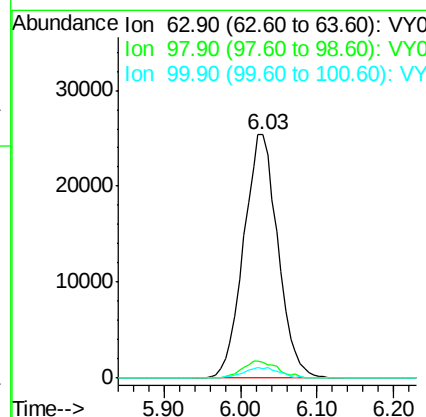
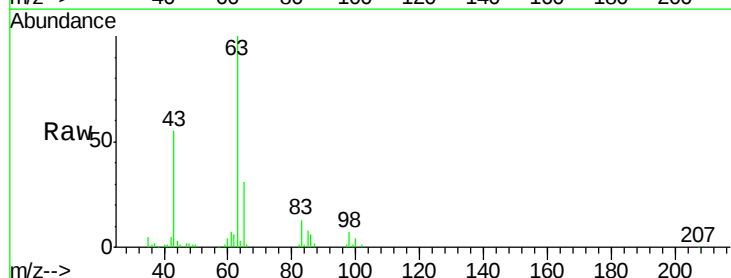
Manual Integrations
 APPROVED

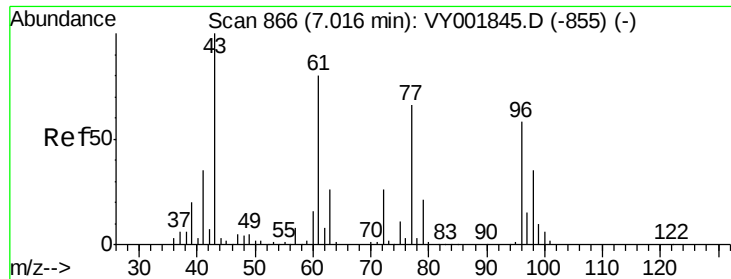
MMDadoda
 3/11/2020 3:22:41 PM



#24
 1,1-Dichloroethane
 Concen: 20.691 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	63	Resp	79063
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.4	10.2
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 105.667 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 43 Resp: 87261

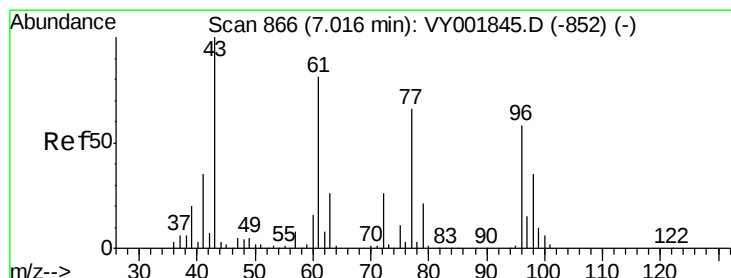
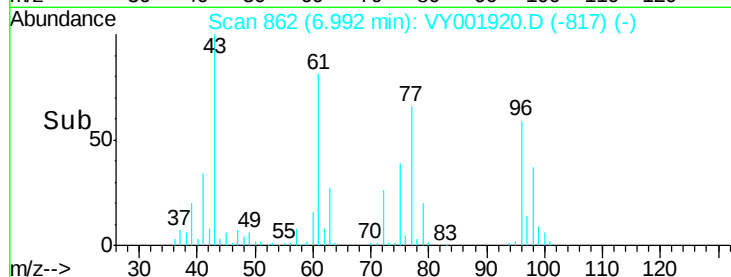
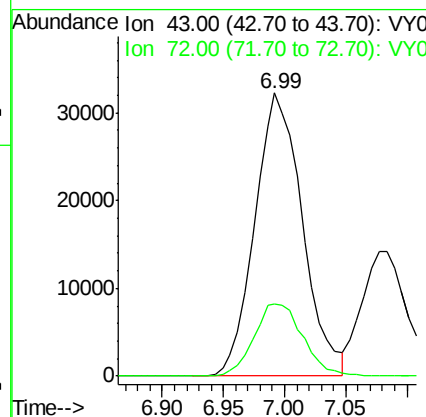
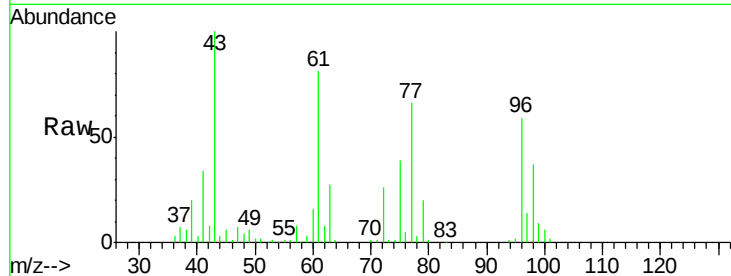
Ion Ratio Lower Upper

43 100

72 25.5 20.9 31.3

Manual Integrations
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3/11/2020 3:22:41 PM



#26

2,2-Dichloropropane

Concen: 20.752 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001920.D

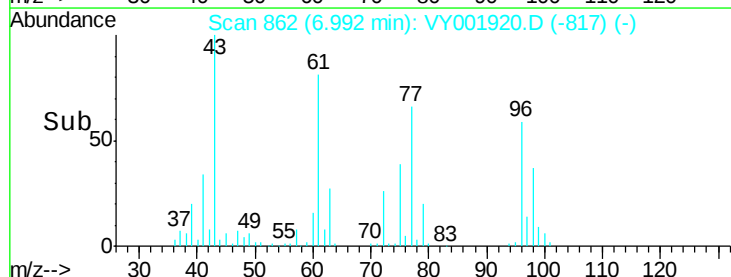
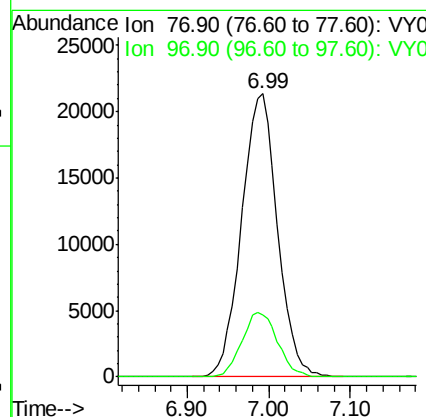
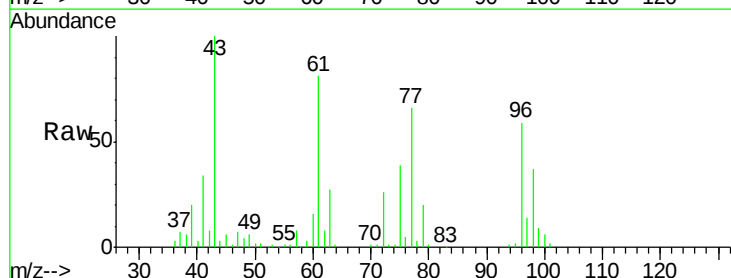
Acq: 10 Mar 2020 13:44

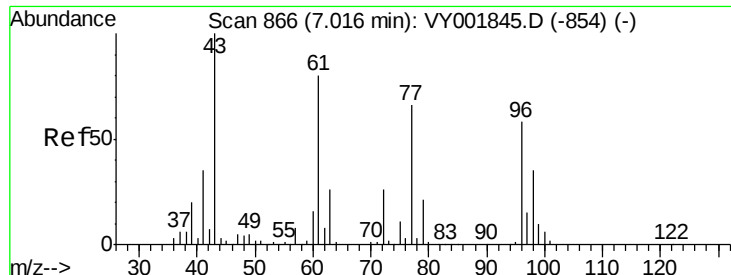
Tgt Ion: 77 Resp: 65082

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.7





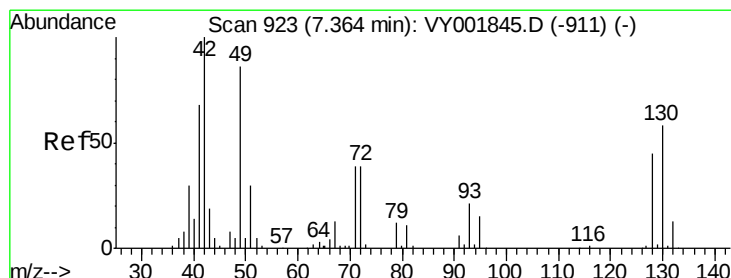
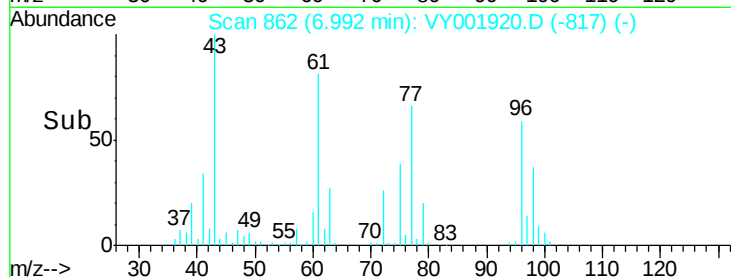
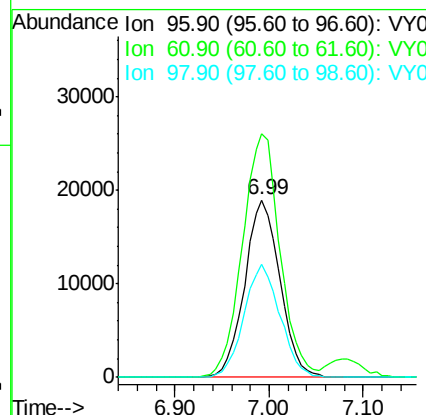
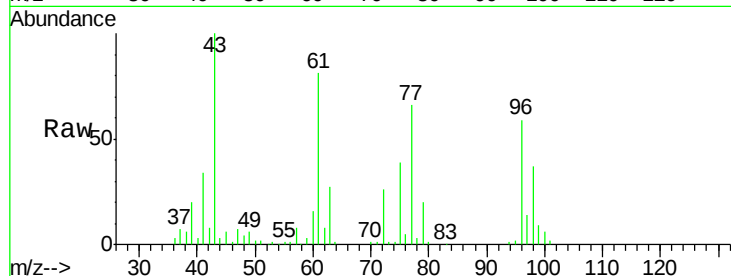
#27
 cis-1,2-Dichloroethene
 Concen: 20.779 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	288.2
98	64.8	0.0	129.0

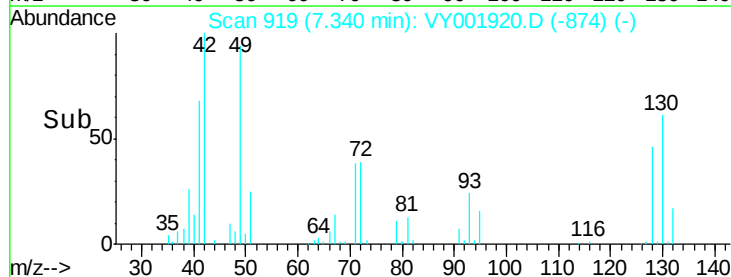
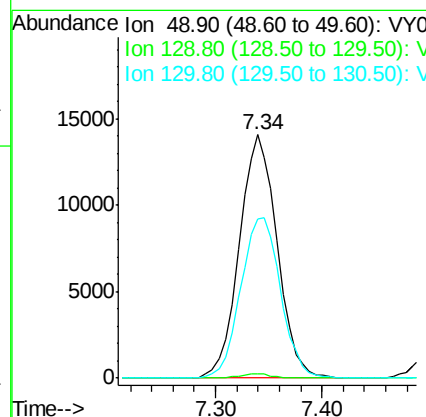
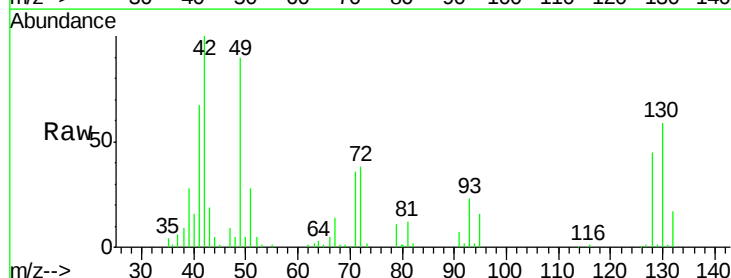
Manual Integrations
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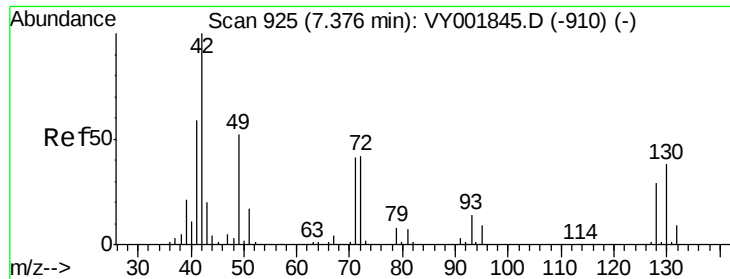
MMDadoda
 3/11/2020 3:22:41 PM



#28
 Bromochloromethane
 Concen: 20.318 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	69.7	54.4	81.6





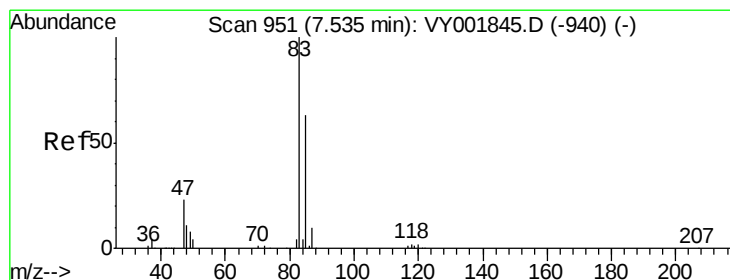
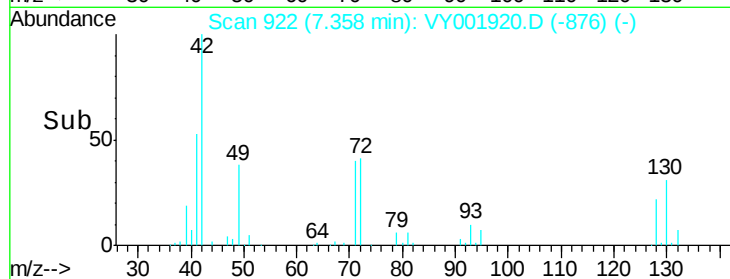
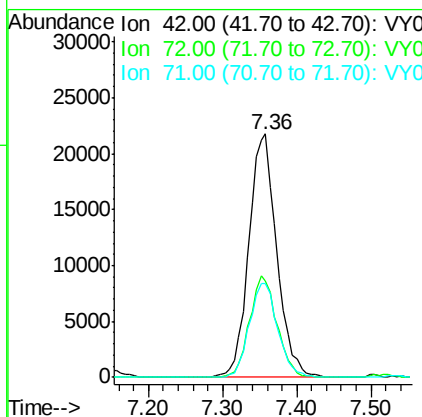
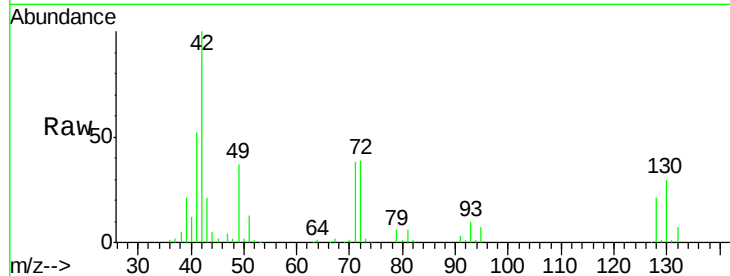
#29
Tetrahydrofuran
Concen: 104.480 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.5	50.3
71	39.2	31.3	46.9

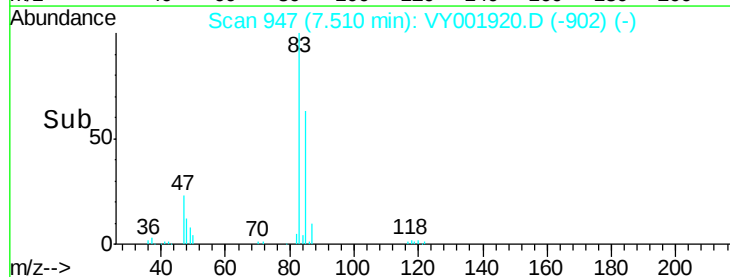
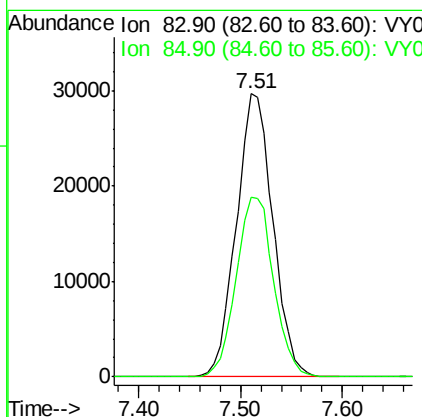
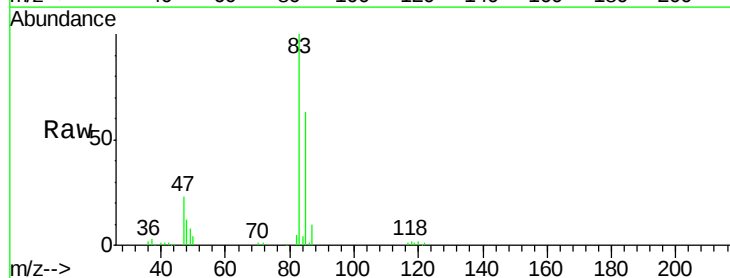
Manual Integrations
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#30
Chloroform
Concen: 20.523 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





#31

Cyclohexane

Concen: 20.036 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 56 Resp: 82087

Ion Ratio Lower Upper

56 100

69 37.1 26.7 40.1

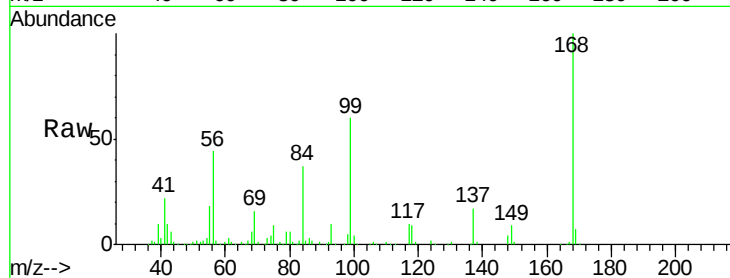
84 83.5 70.4 105.6

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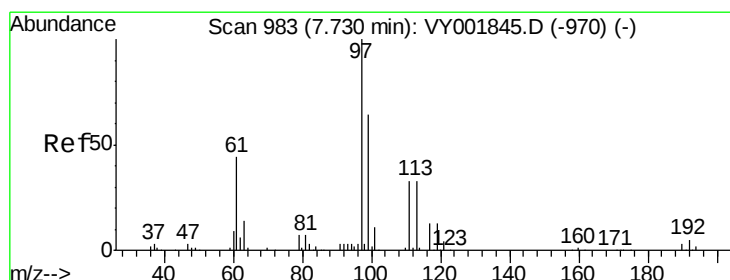
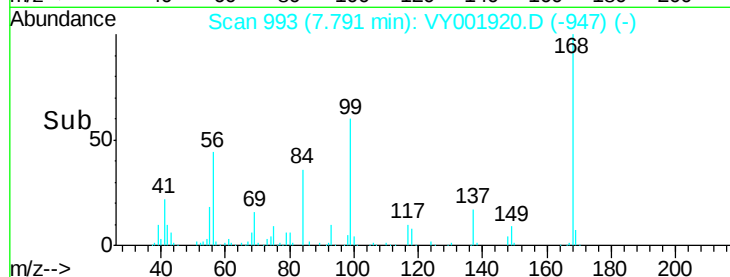
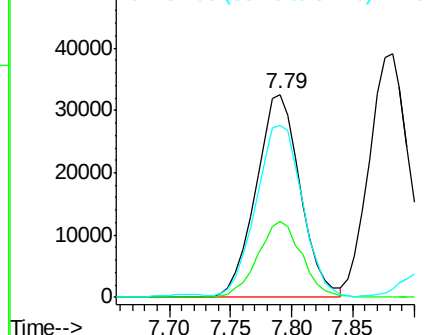


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.539 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

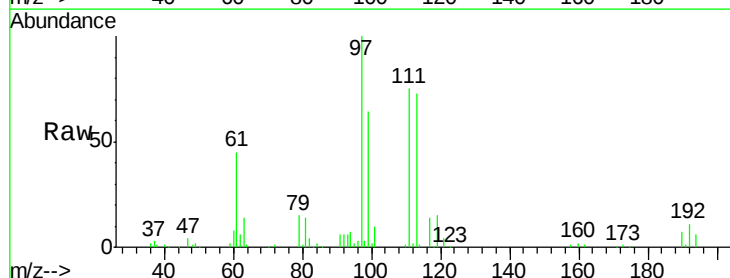
Tgt Ion: 97 Resp: 62147

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 44.3 35.0 52.4

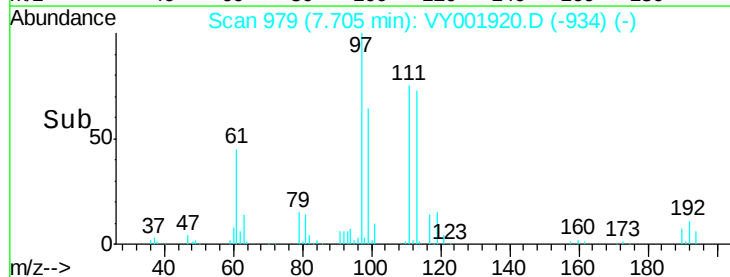
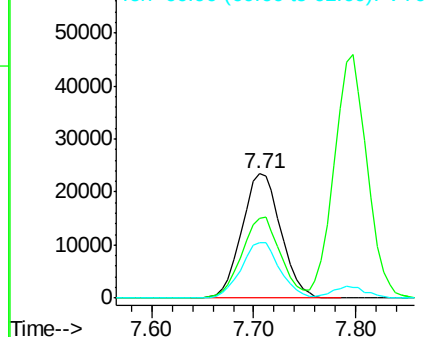


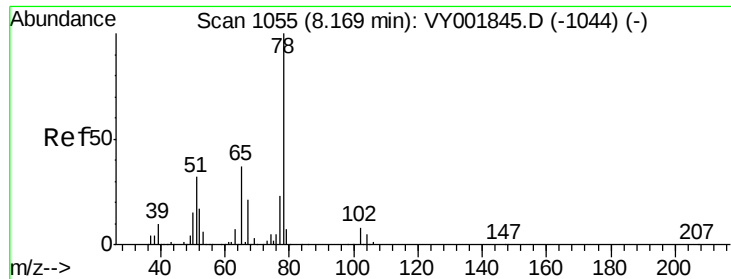
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 50.735 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 65 Resp: 94593

Ion Ratio Lower Upper

65 100

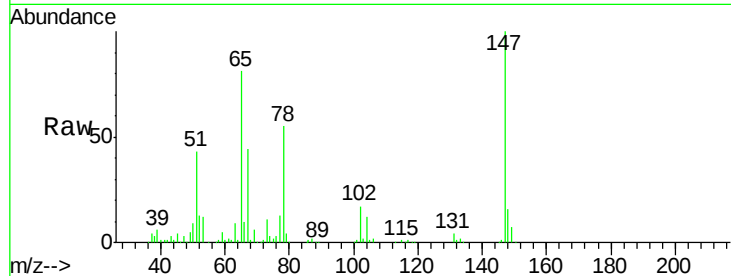
67 57.9 0.0 110.8

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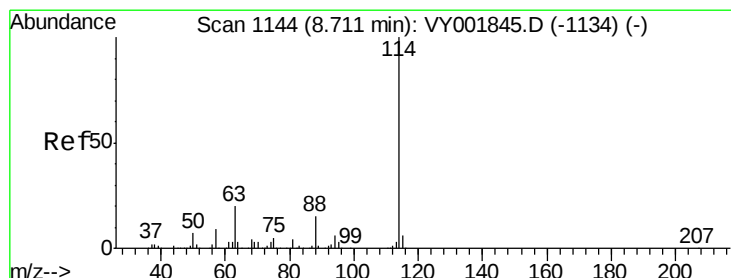
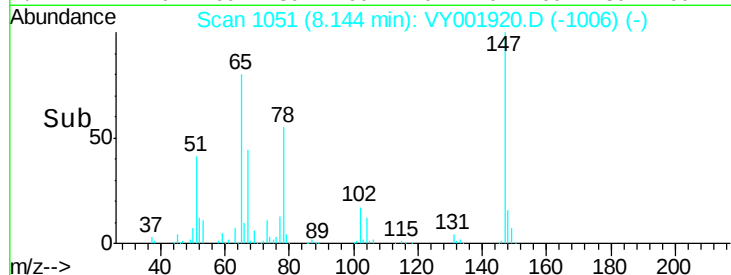
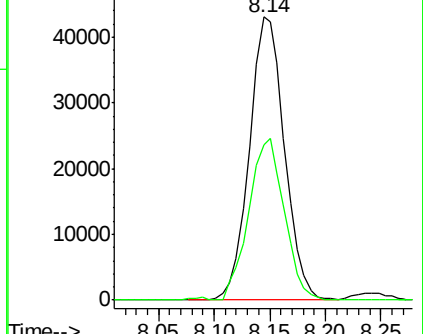
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

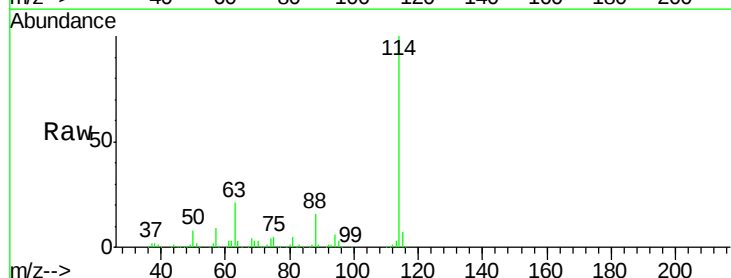
Tgt Ion: 114 Resp: 316025

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.4

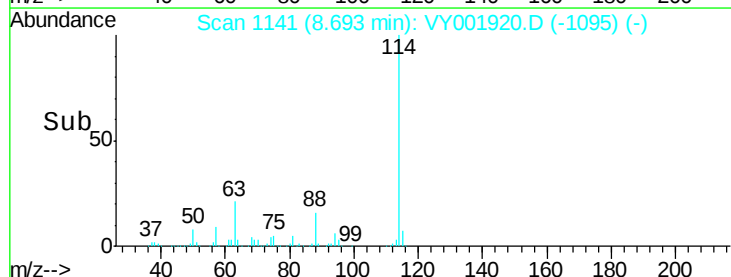
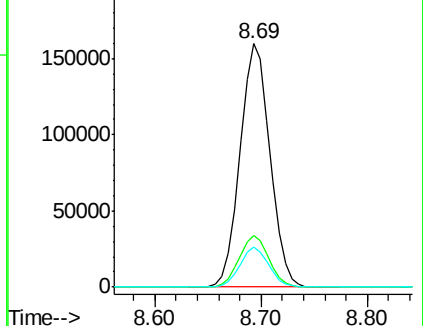
88 16.4 0.0 30.4

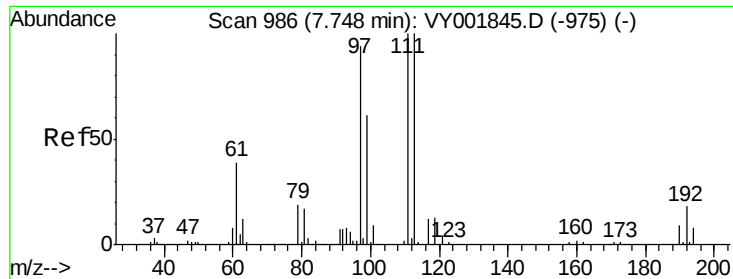


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





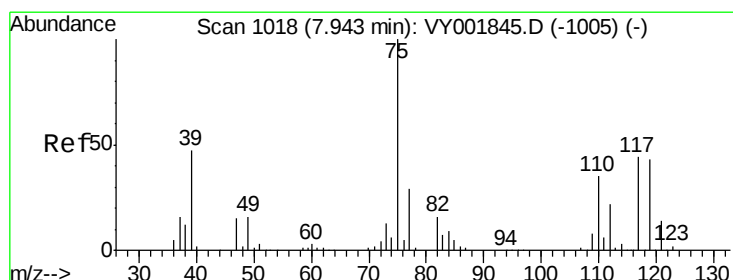
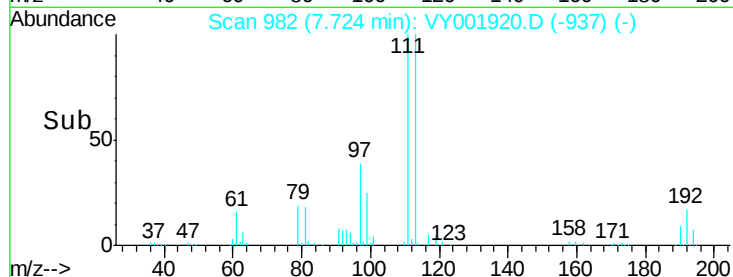
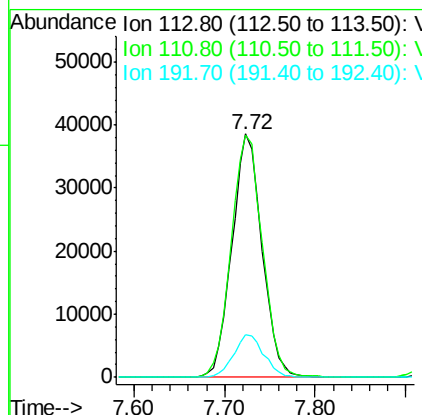
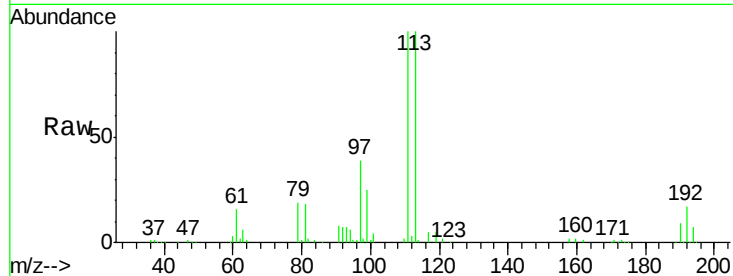
#35
Dibromofluoromethane
Concen: 51.470 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	17.5	14.2	21.2

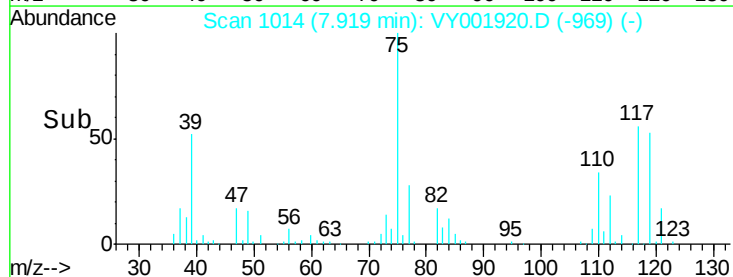
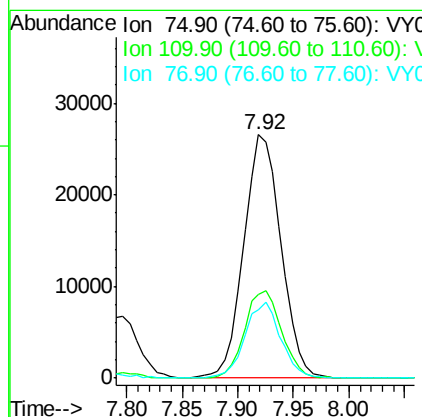
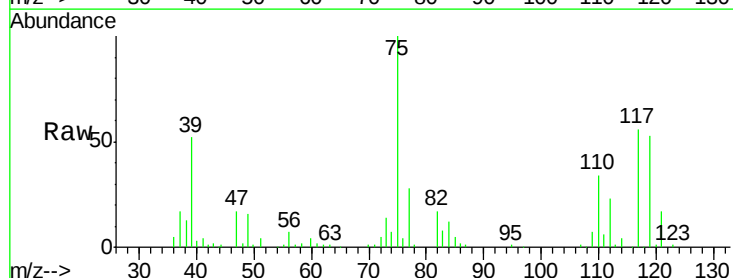
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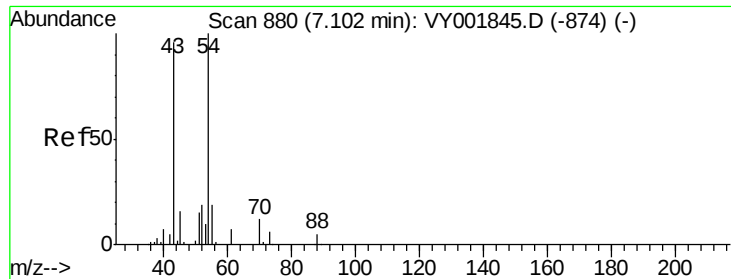
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.375 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.4	52.2
77	29.9	24.2	36.2





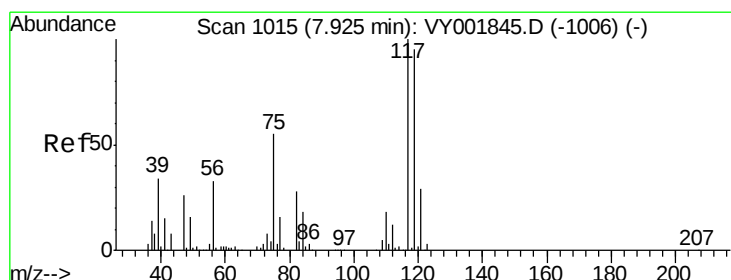
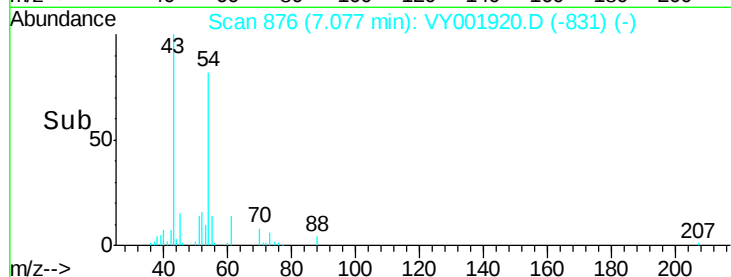
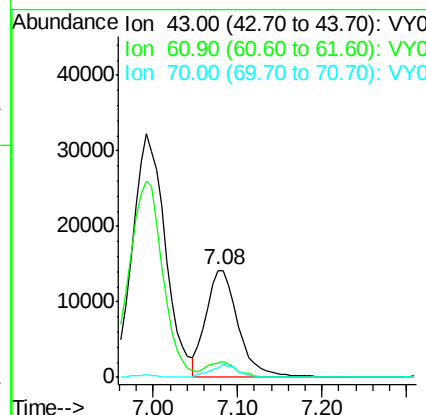
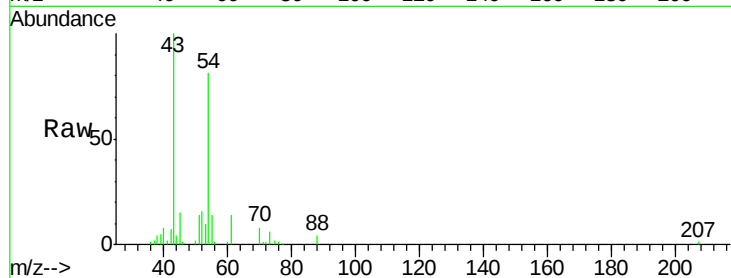
#37
Ethyl Acetate
Concen: 21.461 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.4	8.2	12.4

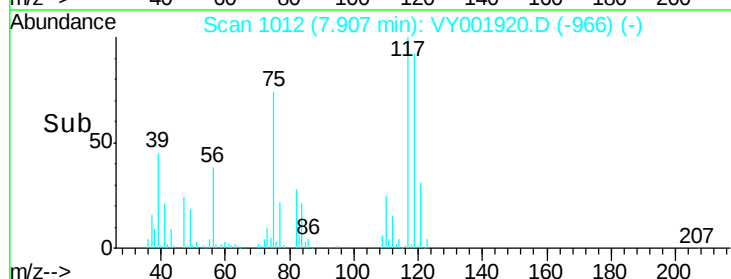
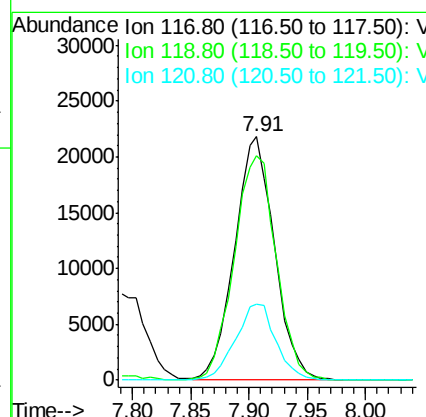
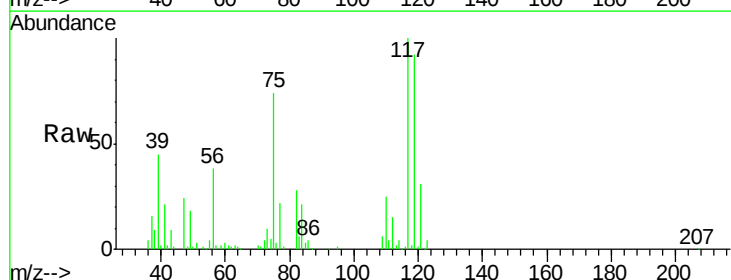
Manual Integrations
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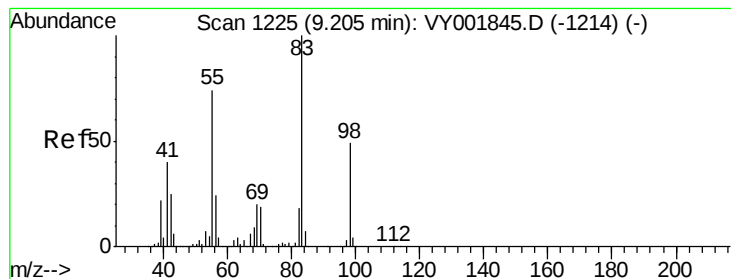
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#38
Carbon Tetrachloride
Concen: 20.064 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.3	114.5
121	31.1	23.5	35.3





#39

Methvlcvclohexane

Concen: 20.157 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

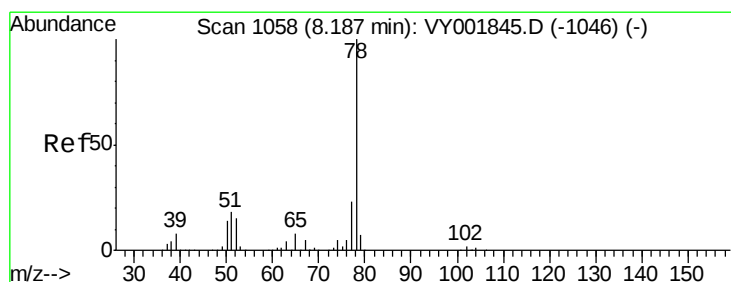
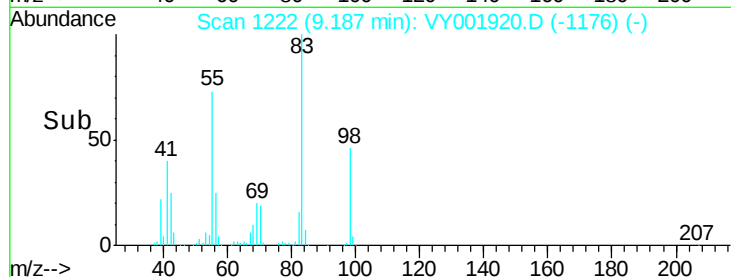
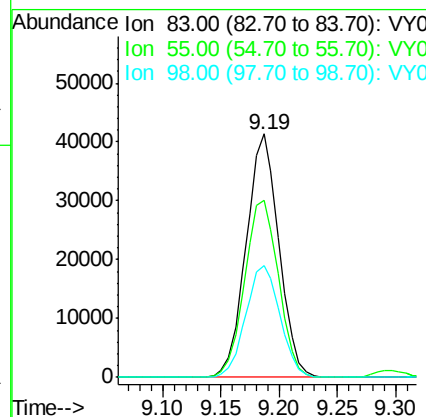
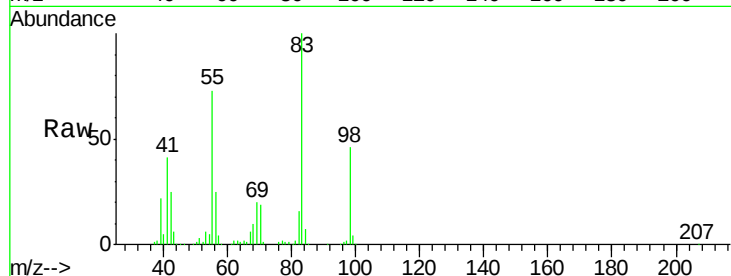
ClientSampleId :

VY0310SBS01

Tot Ion:	83	Resp:	81302
Ion Ratio	Lower	Upper	
83	100		
55	72.7	59.4	89.0
98	46.1	38.9	58.3

Manual Integrations
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#40

Benzene

Concen: 20.359 ug/l

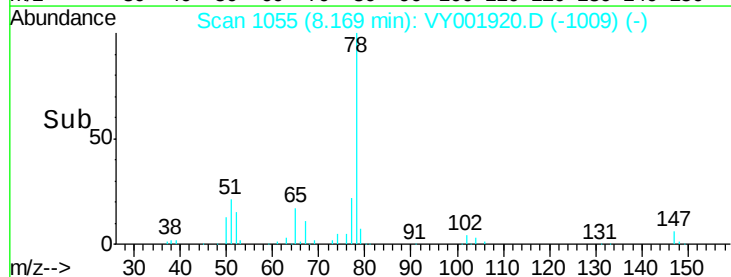
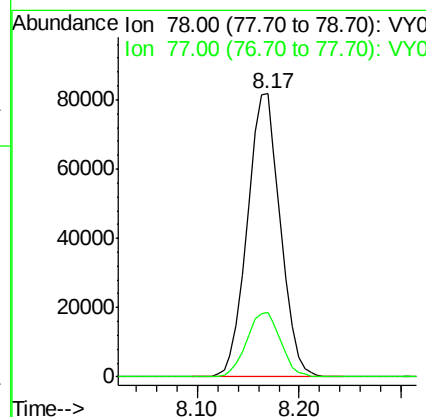
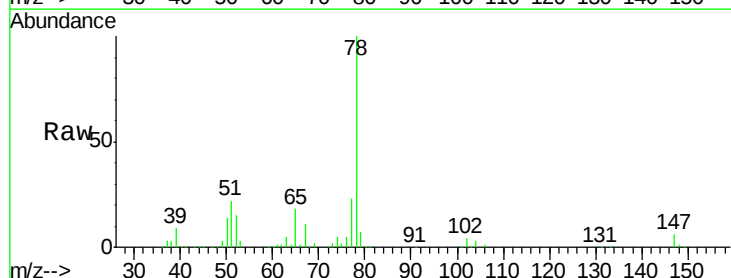
RT: 8.17 min Scan# 1055

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	78	Resp:	183518
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.7	28.1





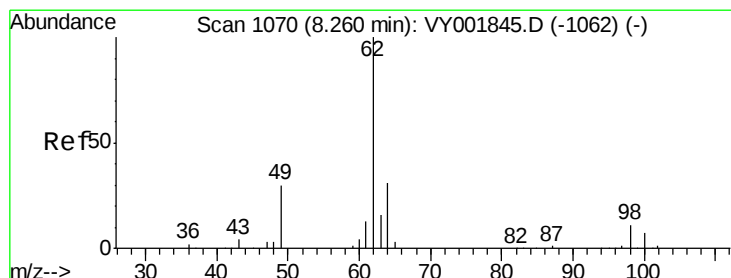
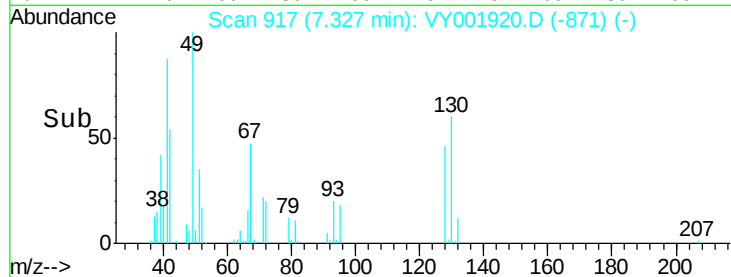
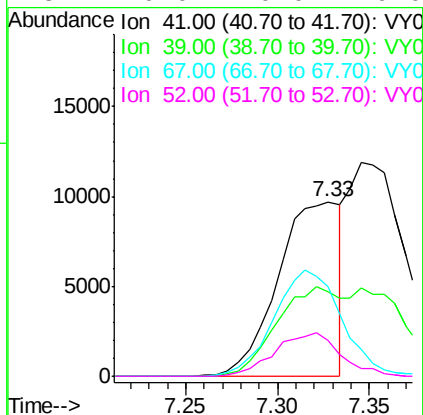
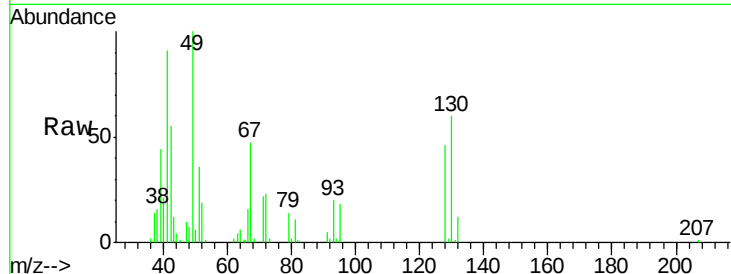
#41
Methacrylonitrile
Concen: 28.962 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	41	Resp	23038
Ion Ratio	Lower	Upper	
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

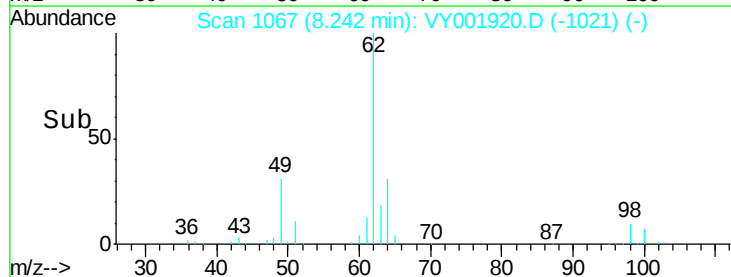
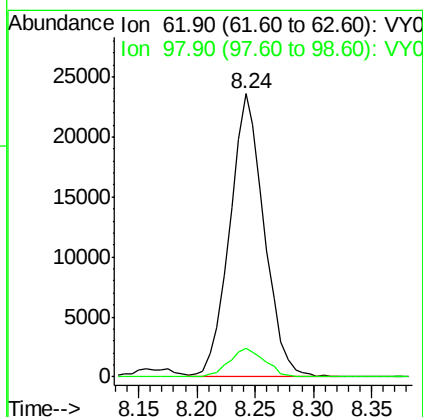
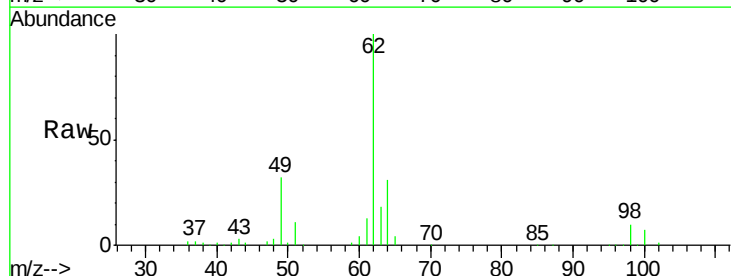
Manual Integrations
APPROVED

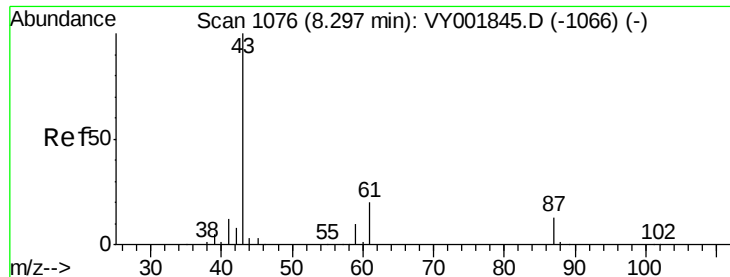
MMDadoda
3/11/2020 3:22:41 PM



#42
1,2-Dichloroethane
Concen: 20.790 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	62	Resp	48290
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	21.4





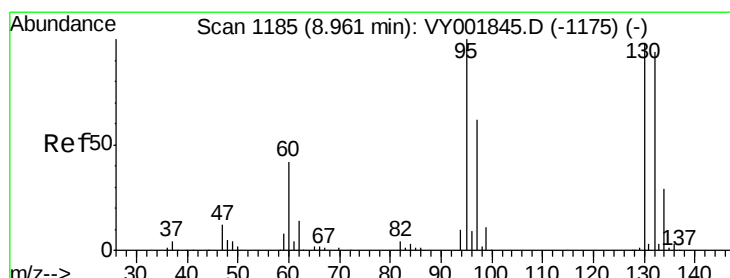
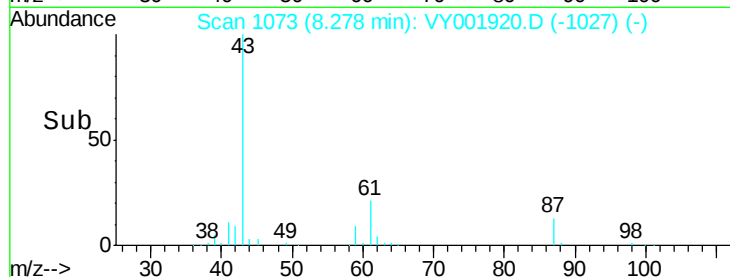
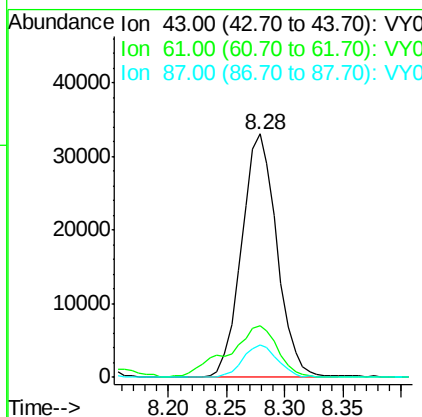
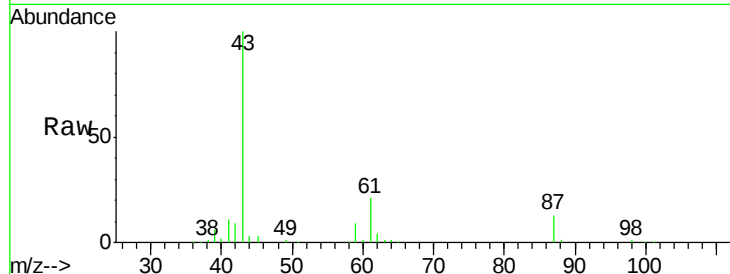
#43
Isopropyl Acetate
Concen: 20.859 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.6
87	13.2	10.9	16.3

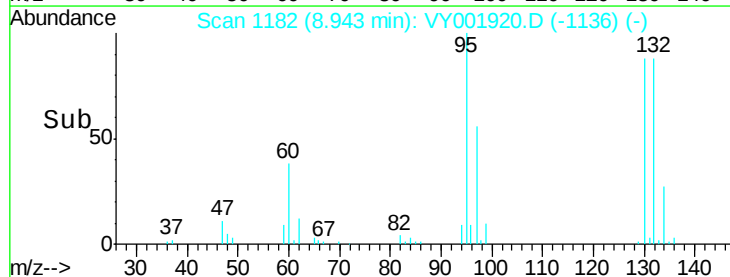
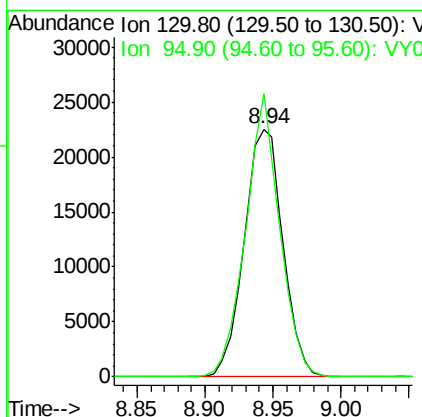
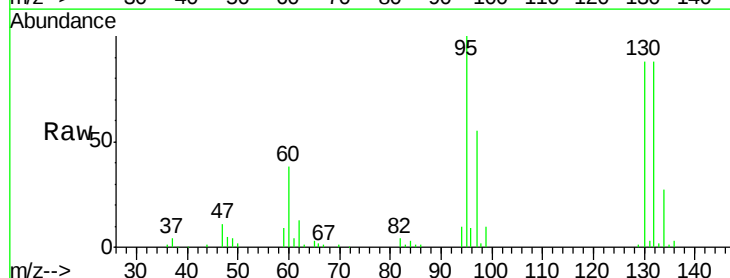
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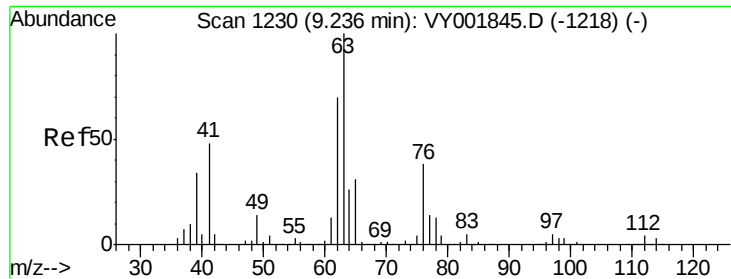
MMDadoda
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#44
Trichloroethene
Concen: 20.448 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	204.6





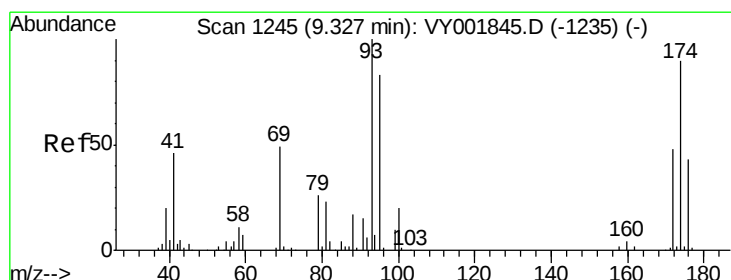
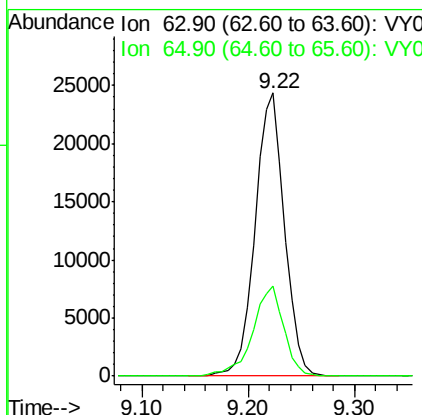
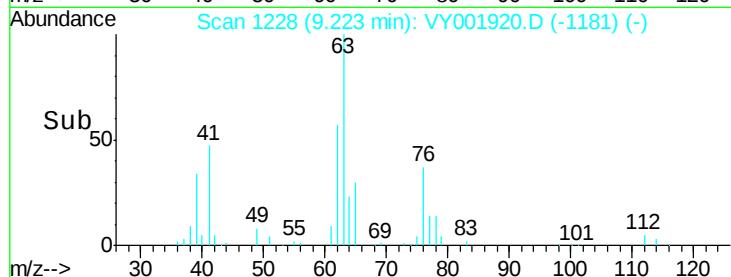
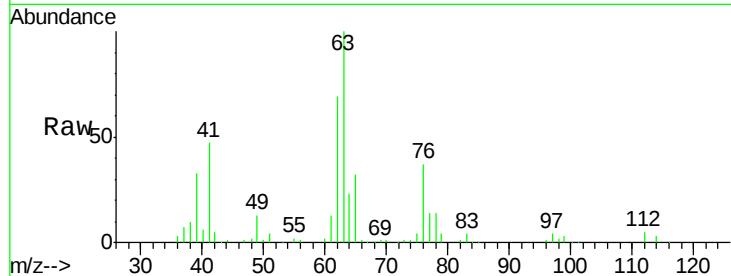
#45
 1,2-Dichloropropane
 Concen: 20.733 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion: 63 Resp: 46979
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3

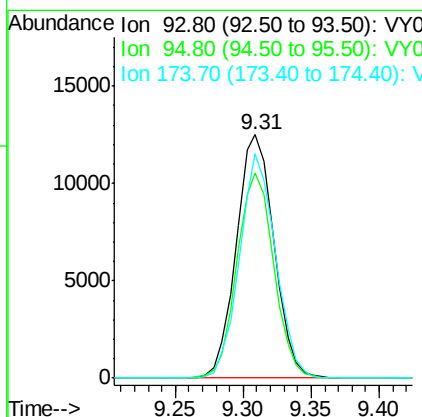
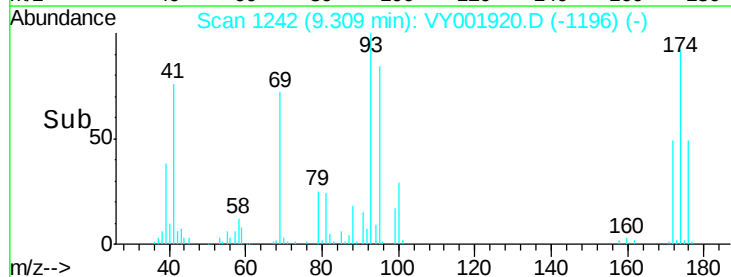
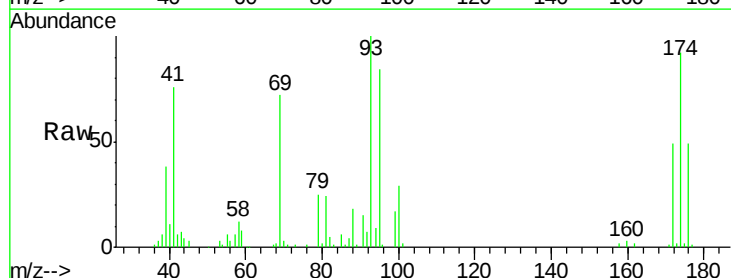
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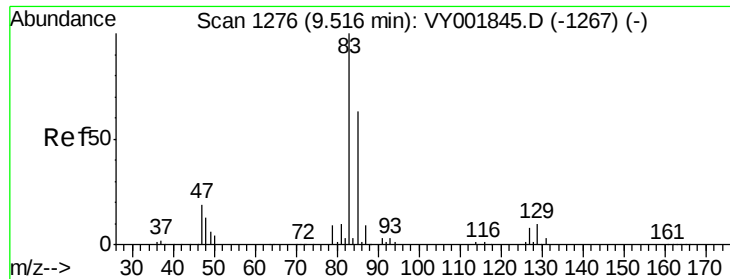
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#46
 Dibromomethane
 Concen: 20.734 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion: 93 Resp: 24211
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.4
 174 87.8 71.8 107.8





#47

Bromodichloromethane

Concen: 21.089 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

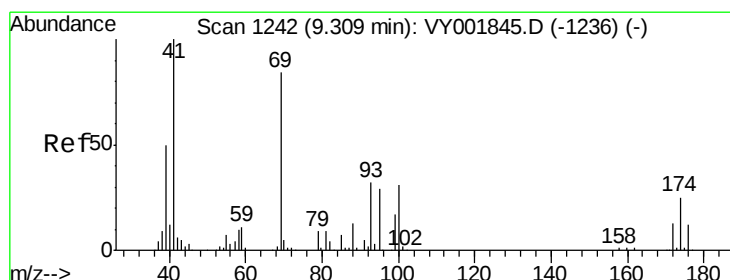
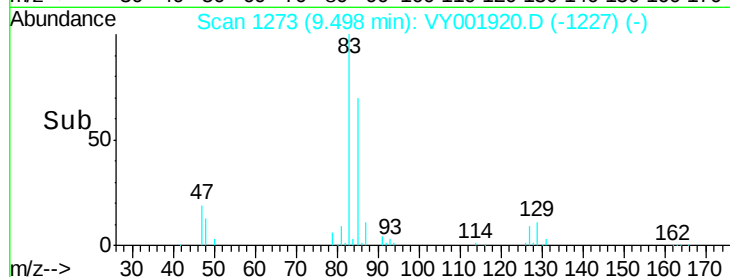
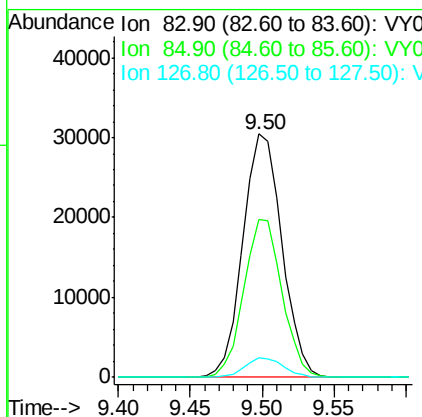
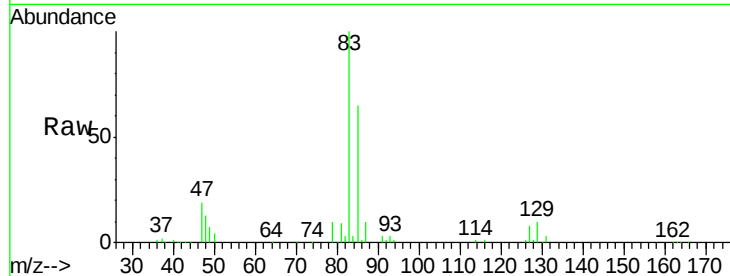
ClientSampleId :

VY0310SBS01

Tot Ion:	83	Resp:	57285
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.6	76.0
127	8.0	6.2	9.4

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#48

Methyl methacrylate

Concen: 20.556 ug/l

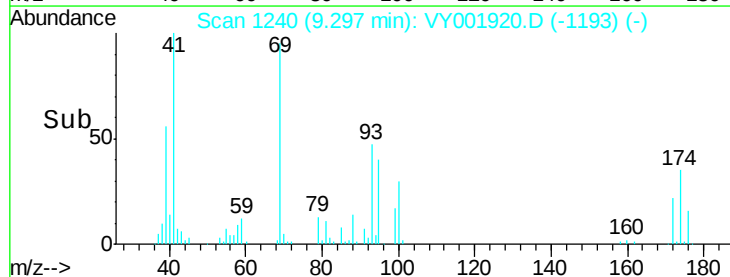
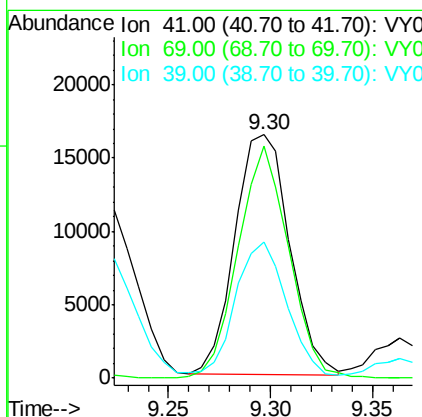
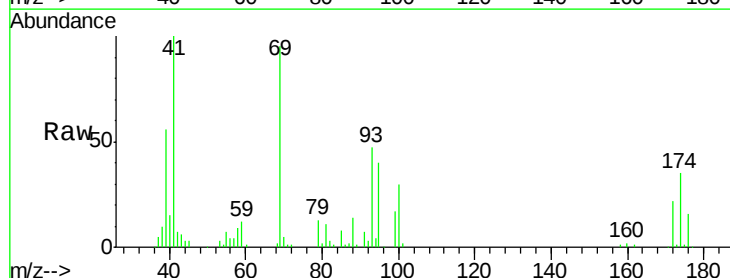
RT: 9.30 min Scan# 1240

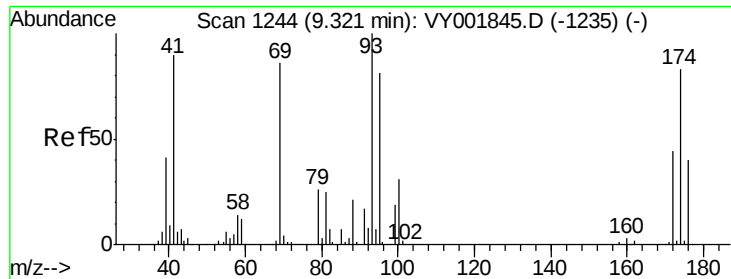
Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	41	Resp:	30524
Ion Ratio	Lower	Upper	
41	100		
69	89.7	69.0	103.6
39	53.9	39.1	58.7





#49

1,4-Dioxane

Concen: 412.119 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.02 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

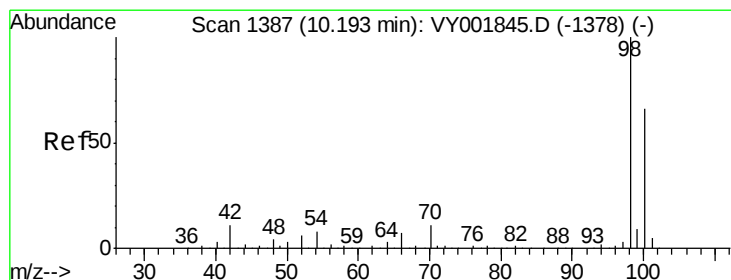
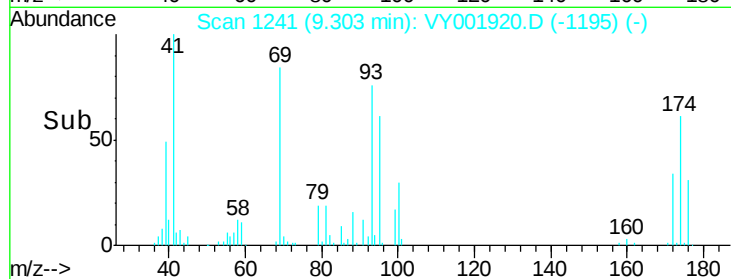
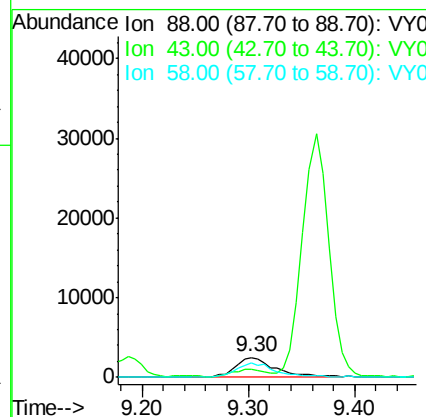
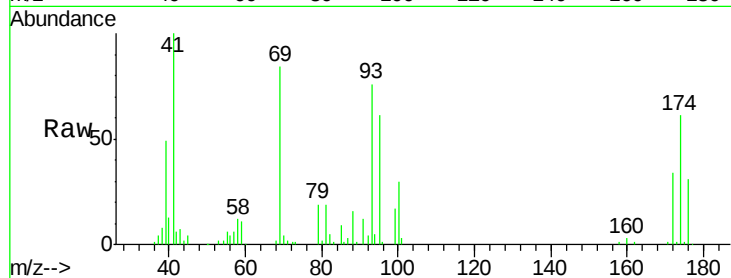
ClientSampleId :

VY0310SBS01

Tot Ion:	88	Resp:	6594
Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.0	37.6
58	74.7	58.9	88.3

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#50

Toluene-d8

Concen: 50.280 ug/l

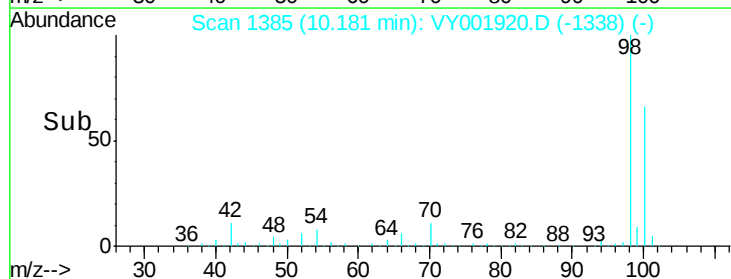
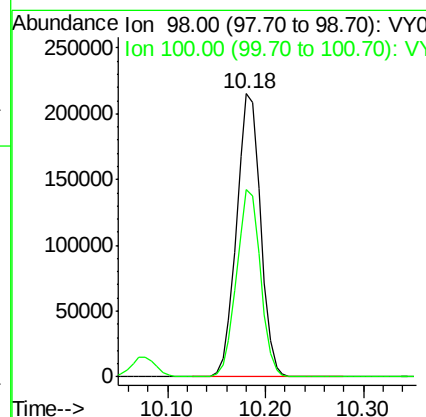
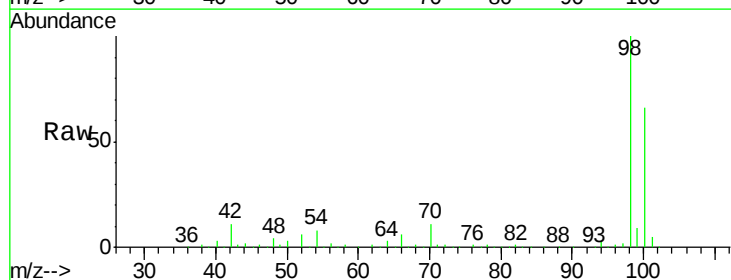
RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	98	Resp:	365877
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4





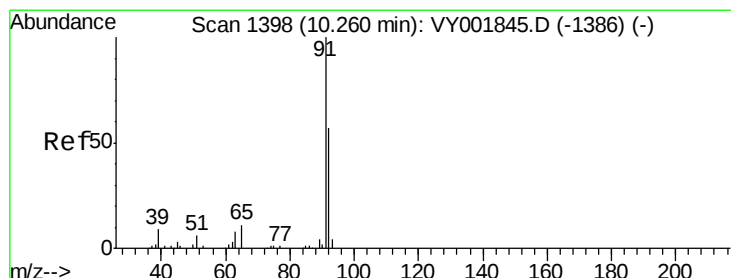
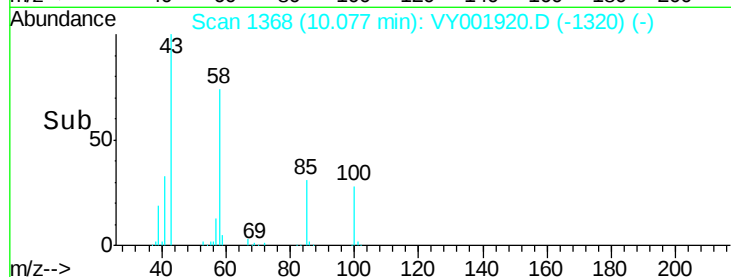
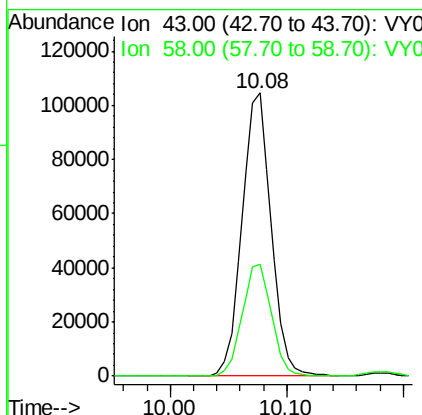
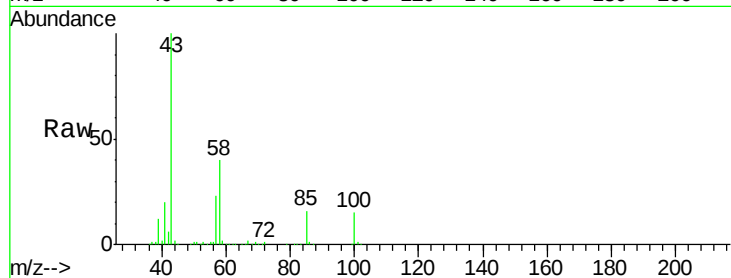
#51
4-Methyl-2-Pentanone
Concen: 105.552 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.0	48.0

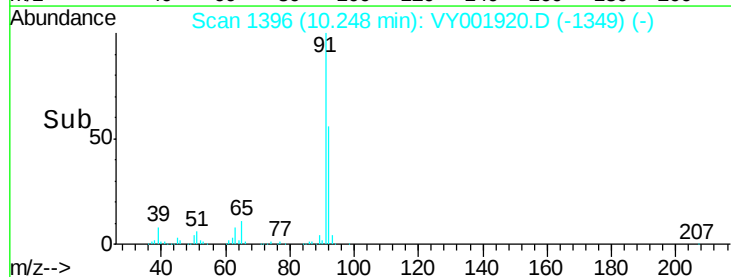
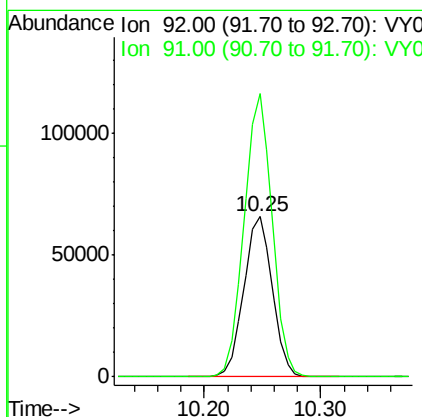
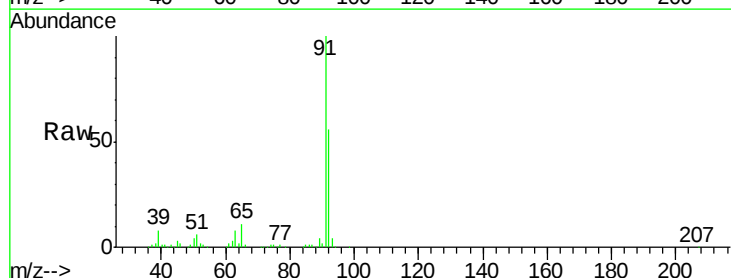
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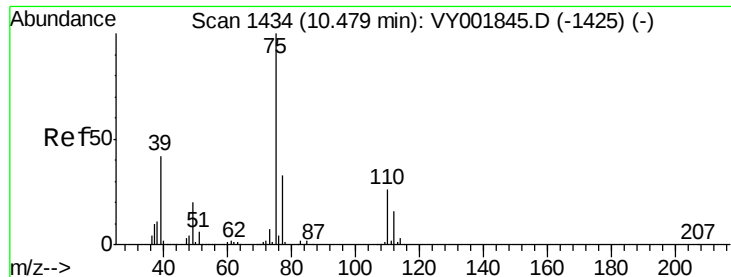
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#52
Toluene
Concen: 20.525 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.6	208.0





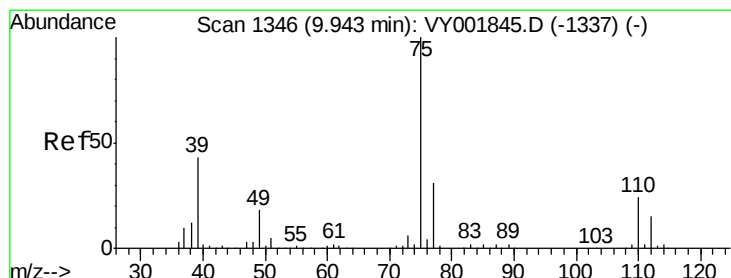
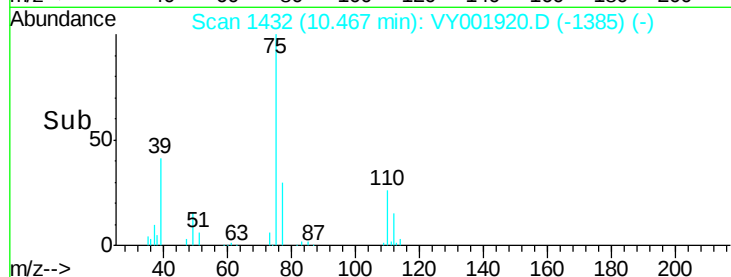
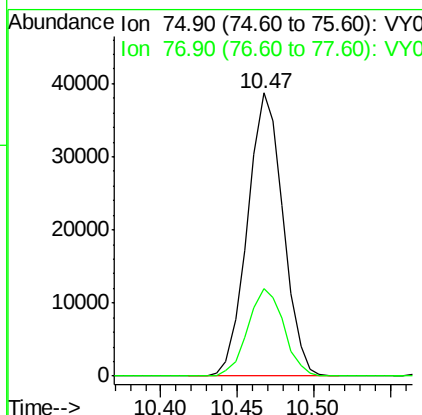
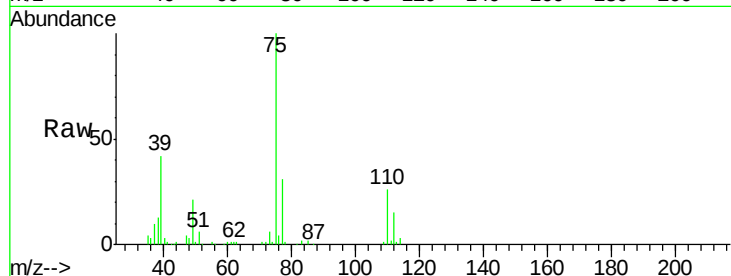
#53
t-1,3-Dichloropropene
Concen: 21.179 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 75 Resp: 62677
Ion Ratio Lower Upper
75 100
77 30.7 26.3 39.5

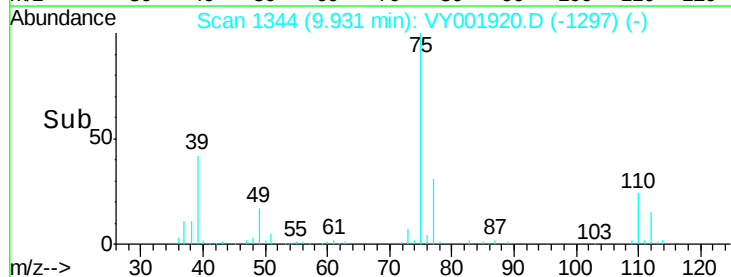
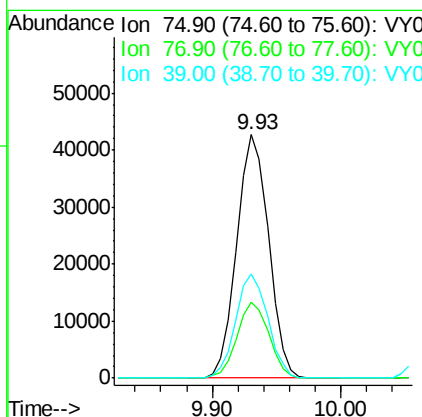
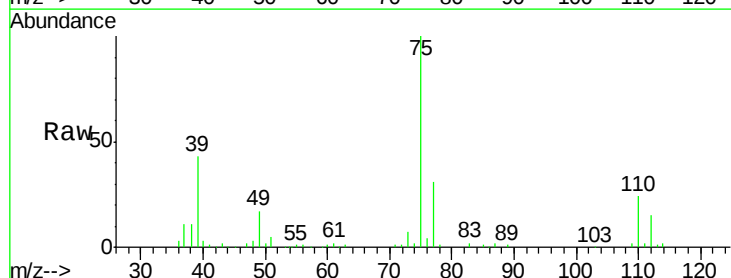
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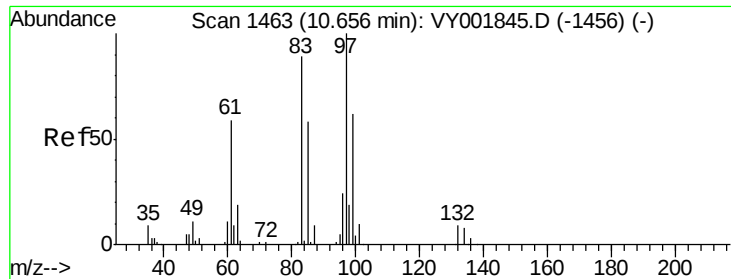
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#54
cis-1,3-Dichloropropene
Concen: 20.792 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion: 75 Resp: 73248
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 42.5 34.7 52.1





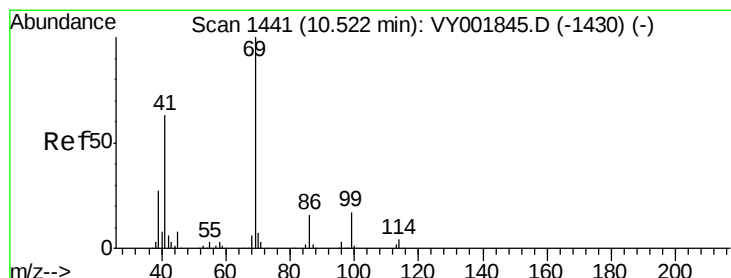
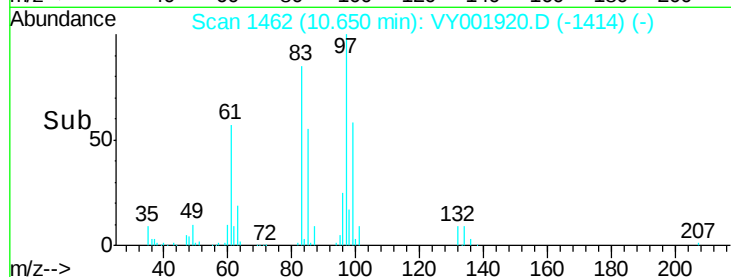
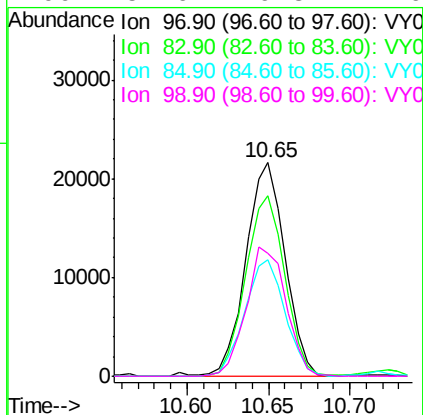
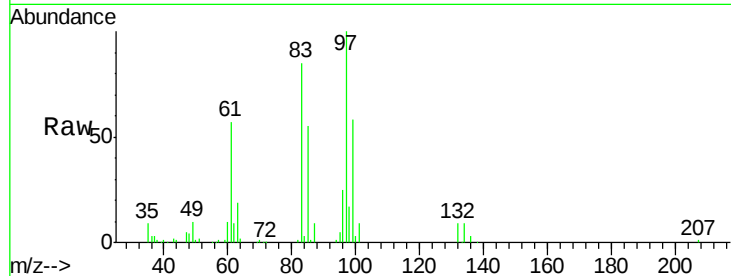
#55
 1,1,2-Trichloroethane
 Concen: 21.133 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	71.6	107.4
85	54.8	46.6	69.8
99	57.6	49.8	74.6

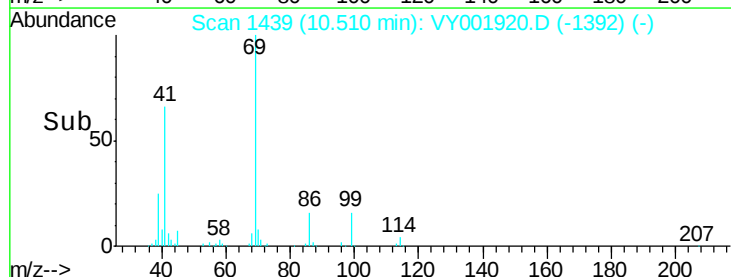
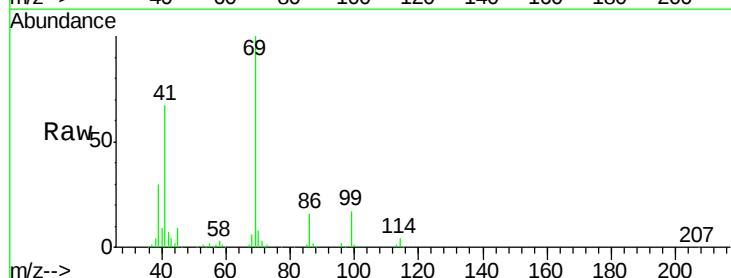
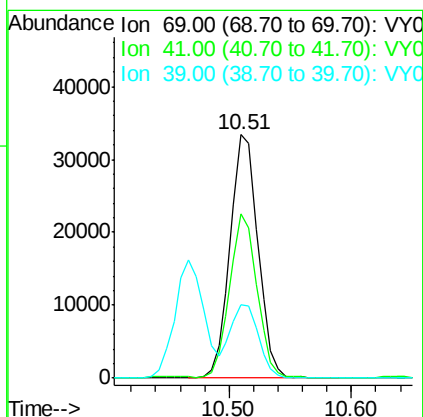
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#56
 Ethyl methacrylate
 Concen: 21.034 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	49.9	74.9
39	30.8	23.0	34.6





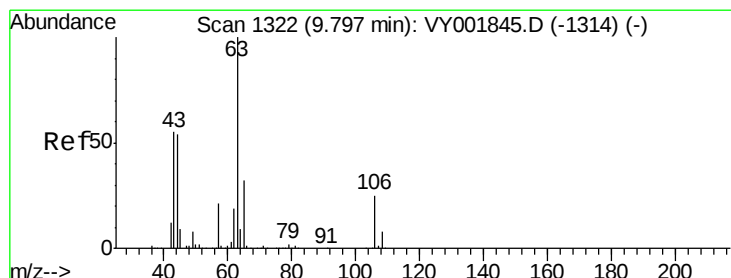
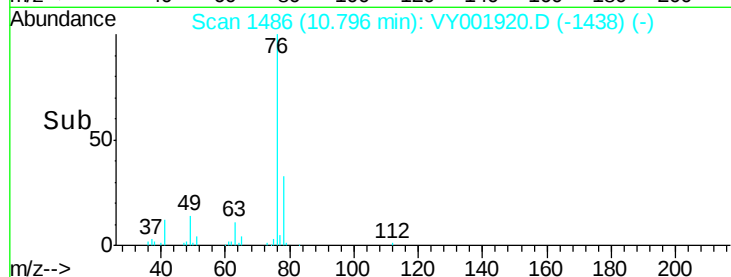
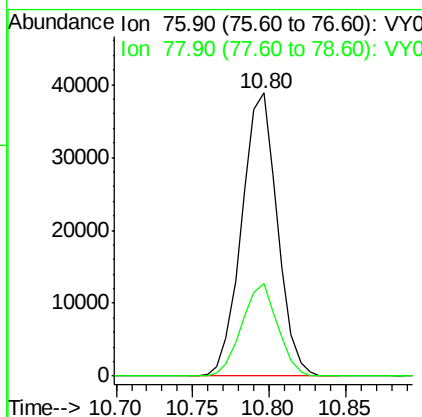
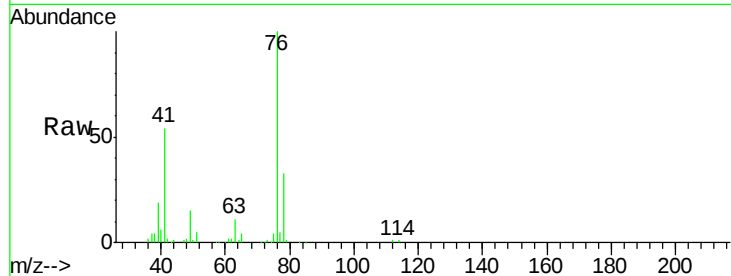
#57
 1,3-Dichloropropane
 Concen: 20.631 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

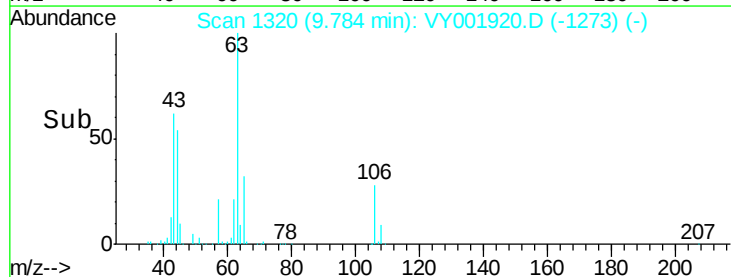
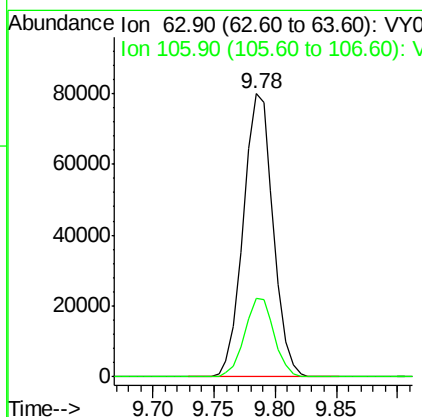
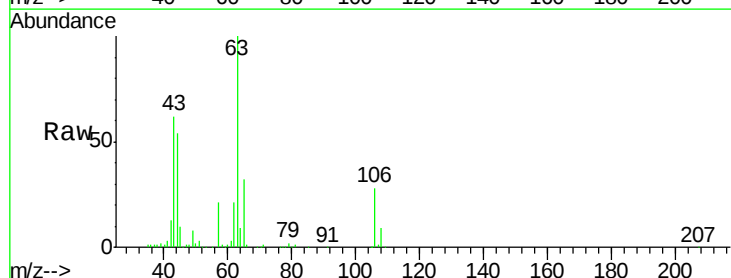
Manual Integrations
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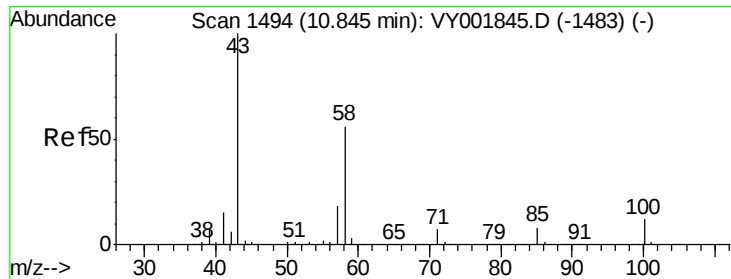
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 3/11/2020 3:22:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.713 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.3	31.9





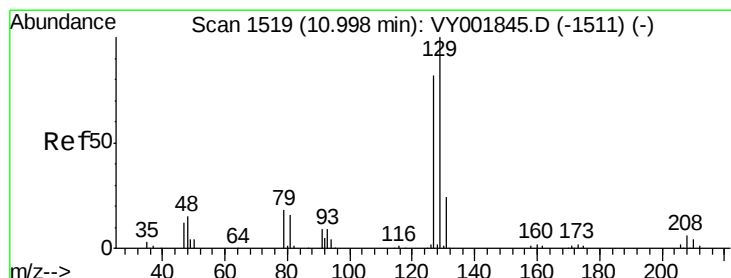
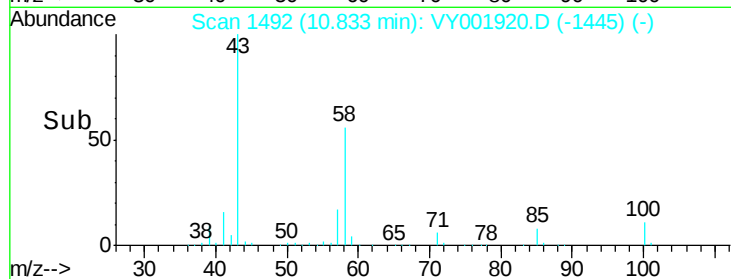
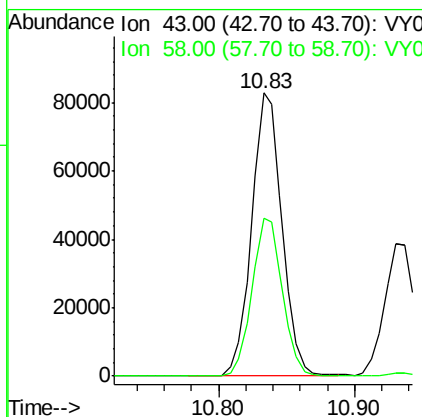
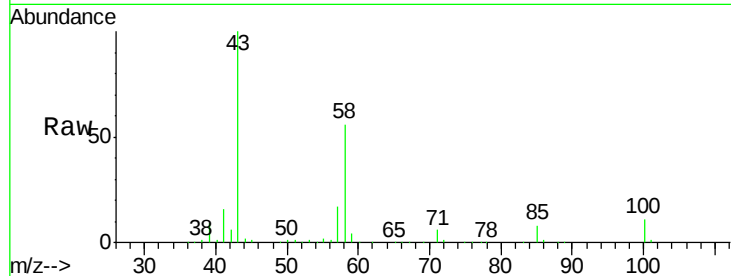
#59
2-Hexanone
Concen: 105.119 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 43 Resp: 129322
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.3

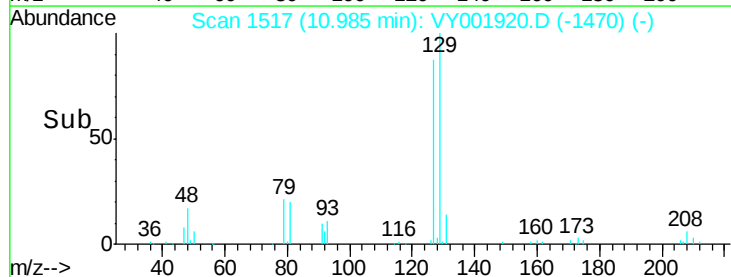
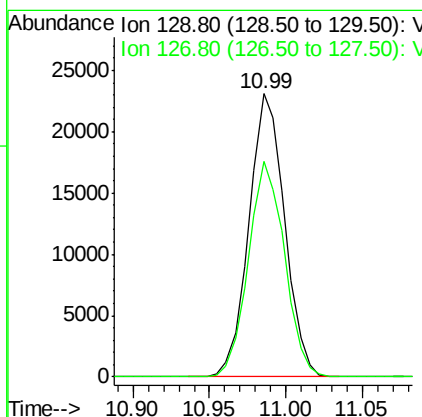
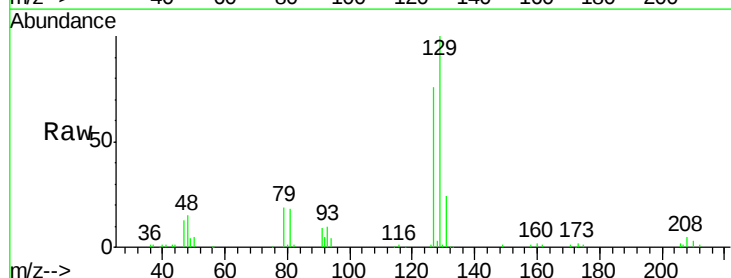
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#60
Dibromochloromethane
Concen: 20.802 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion: 129 Resp: 37458
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0





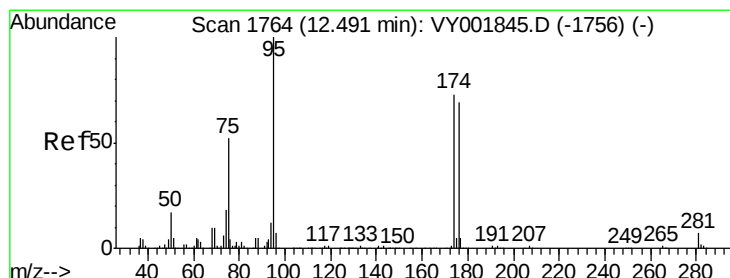
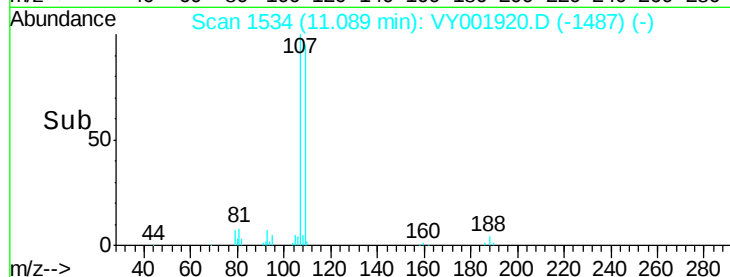
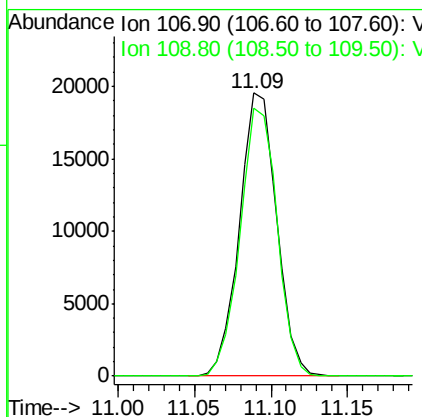
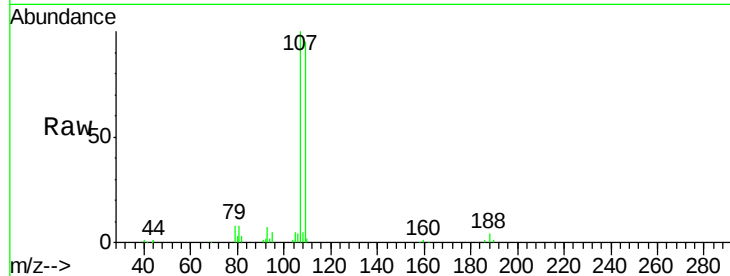
#61
 1,2-Dibromoethane
 Concen: 20.406 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

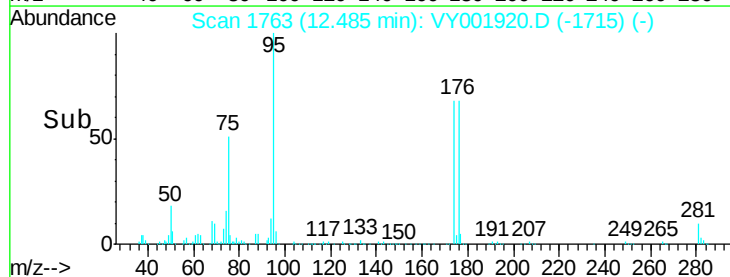
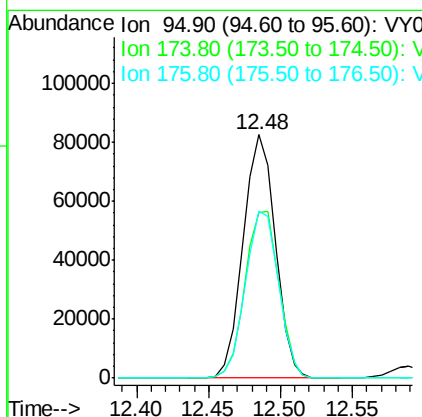
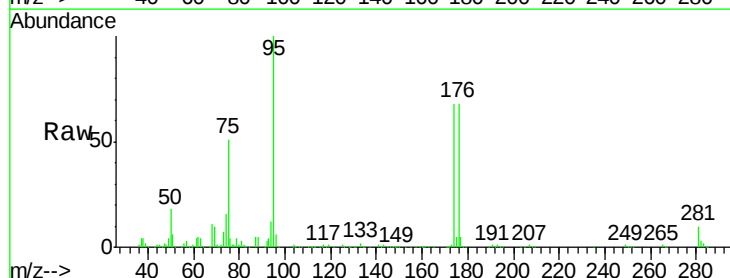
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 50.471 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	145.0
176	70.4	0.0	137.4





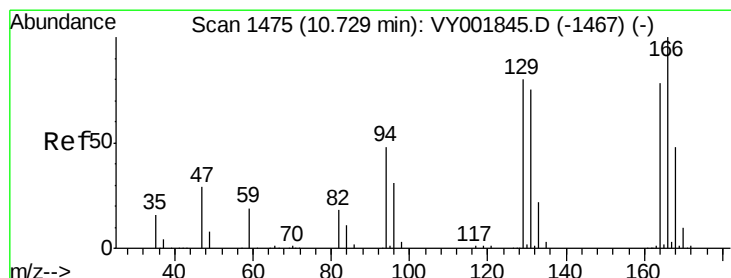
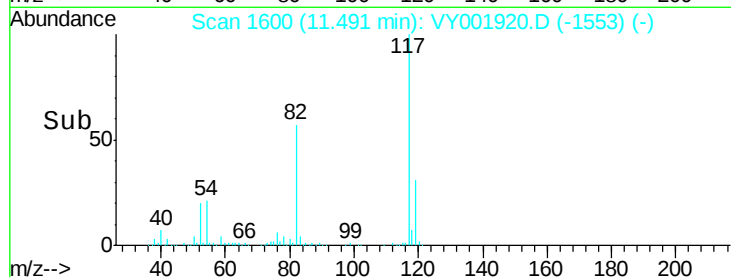
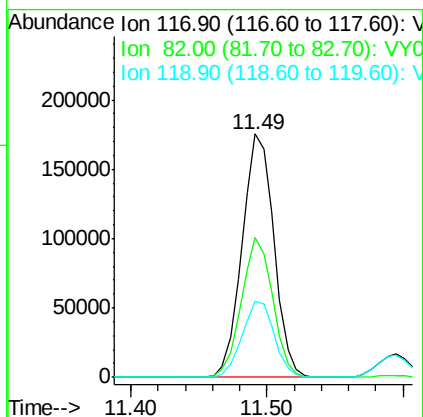
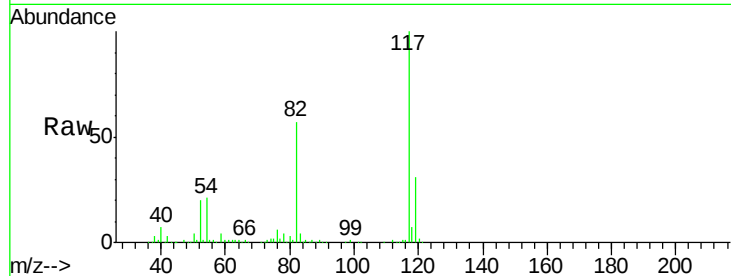
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286732		
82	57.3		44.5	66.7
119	31.3		25.7	38.5

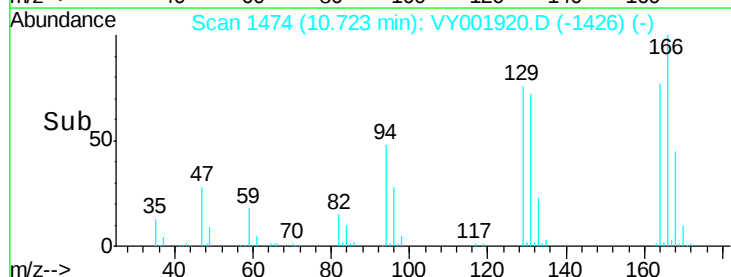
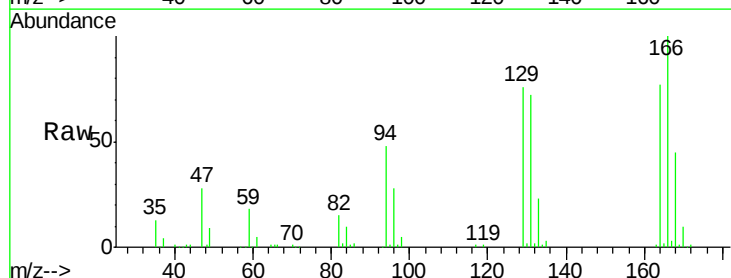
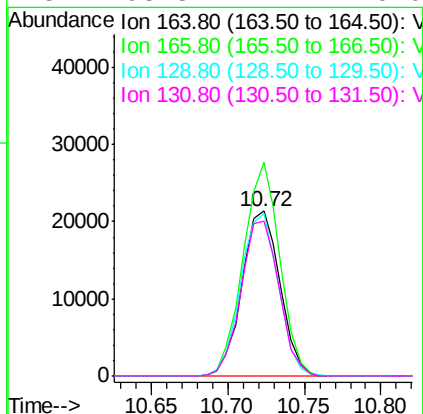
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.524 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36905		
166	129.7		102.6	154.0
129	99.1		82.3	123.5
131	93.8		77.4	116.0





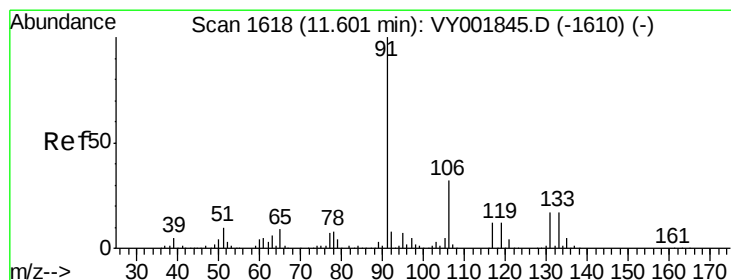
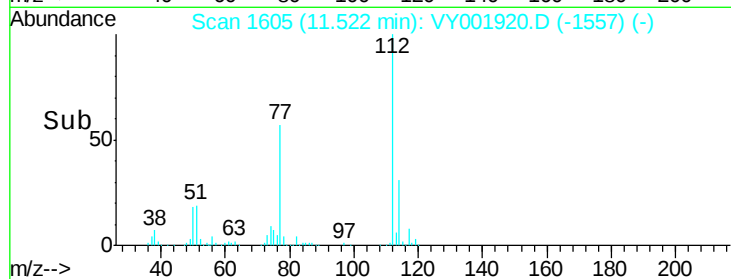
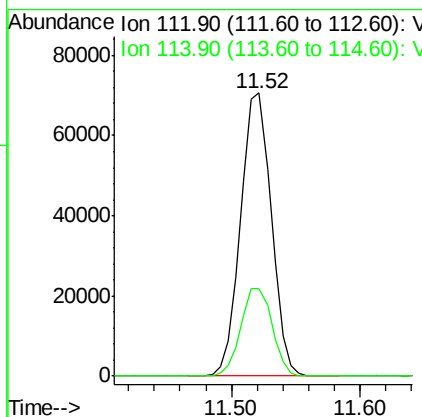
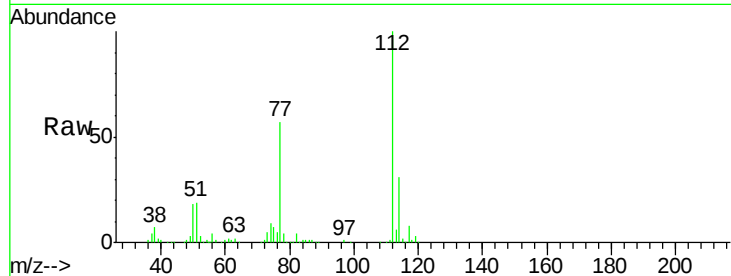
#65
Chlorobenzene
Concen: 20.368 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.9	38.9

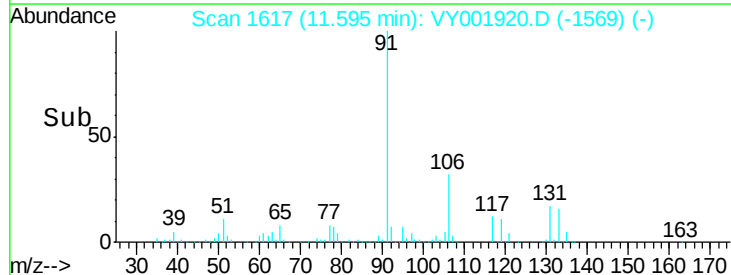
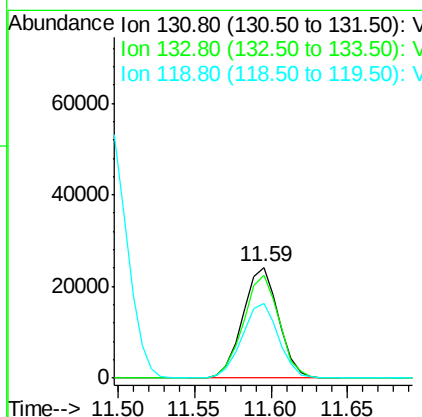
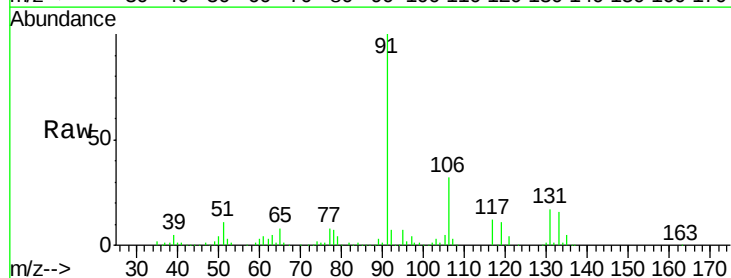
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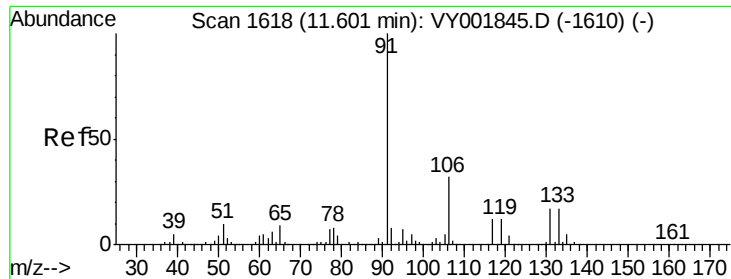
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.837 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.1	141.3
119	69.2	34.5	103.6





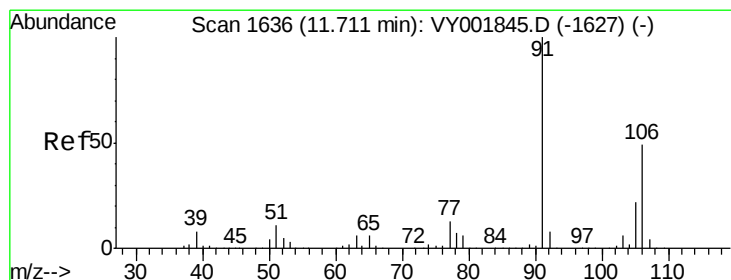
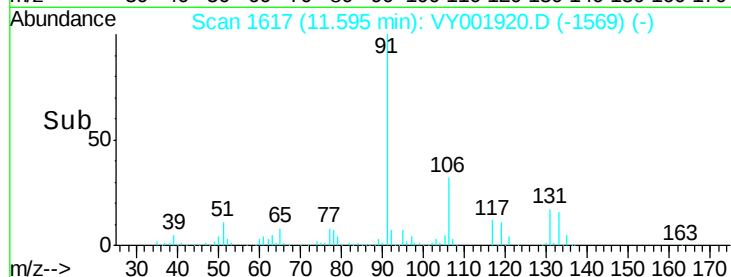
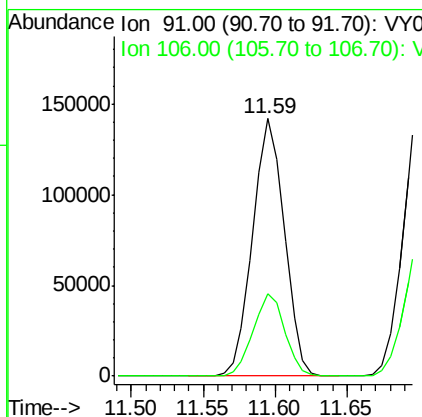
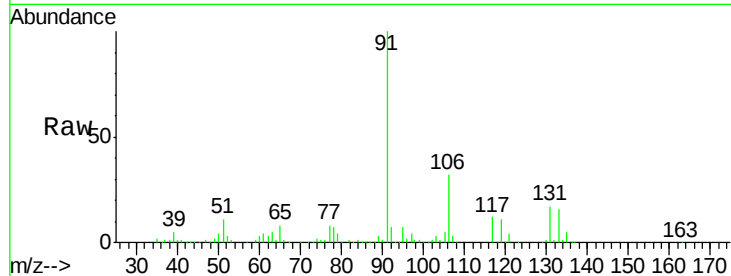
#67
Ethyl Benzene
Concen: 20.292 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	91	Resp	216213
Ion Ratio	100	Lower	Upper
106	31.9	25.4	38.2

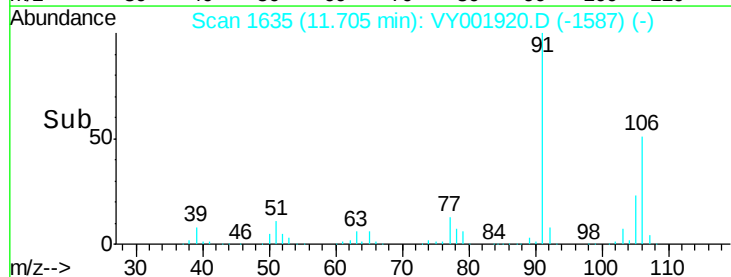
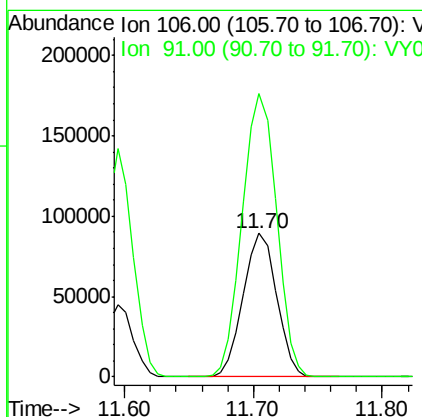
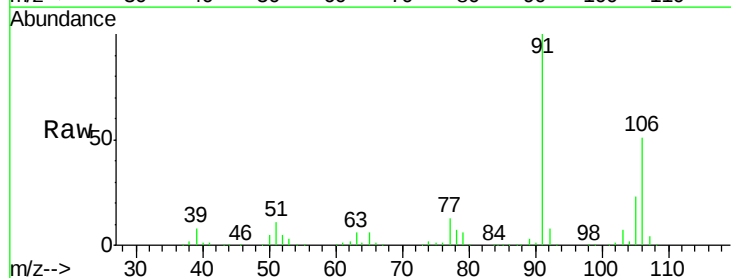
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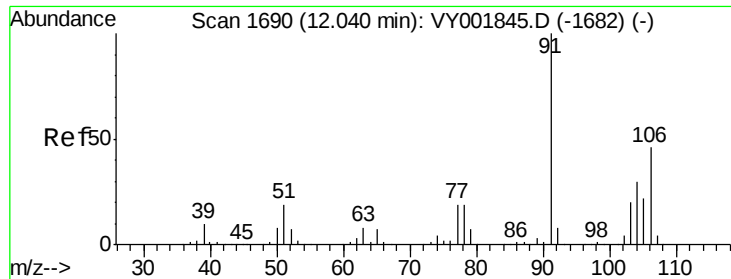
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#68
m/p-Xylenes
Concen: 40.876 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	106	Resp	161023
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	202.3	161.3	241.9





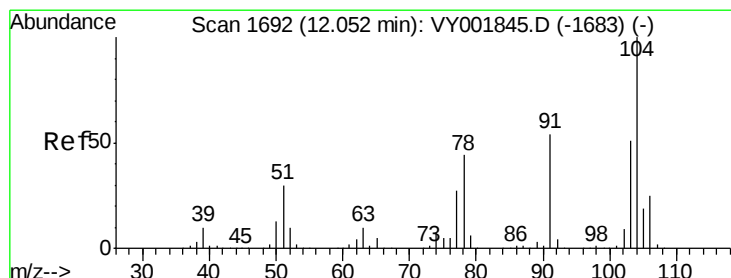
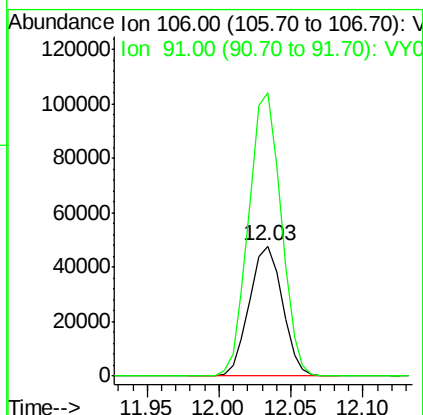
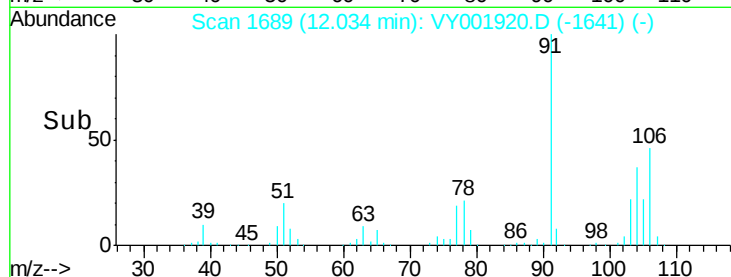
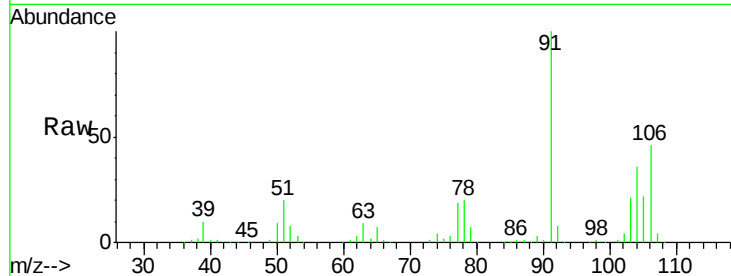
#69
o-Xylene
Concen: 20.489 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion:106 Resp: 76073
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4

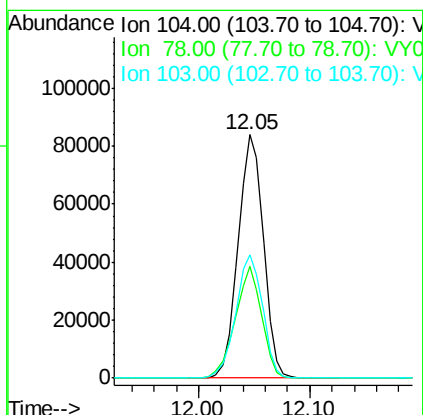
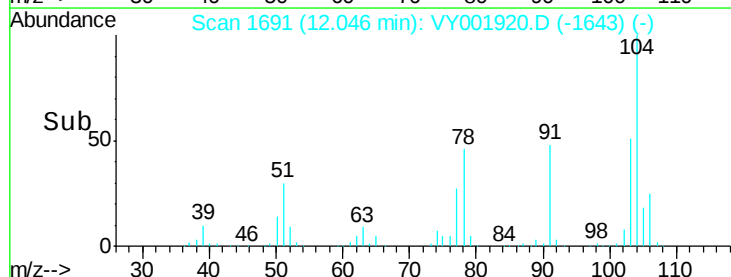
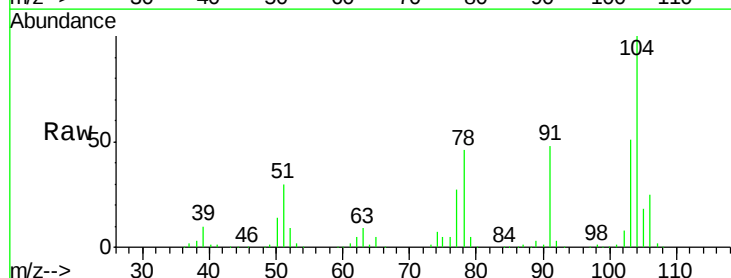
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#70
Styrene
Concen: 20.747 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion:104 Resp: 131932
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 53.8 42.9 64.3





#71

Bromoform

Concen: 20.517 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:173 Resp: 20847

Ion Ratio Lower Upper

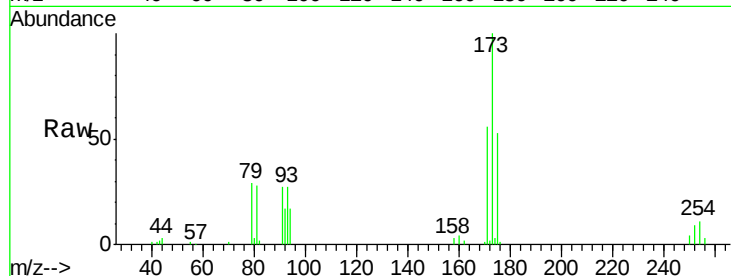
173 100

175 49.4 24.3 72.8

254 0.0 0.0 0.0

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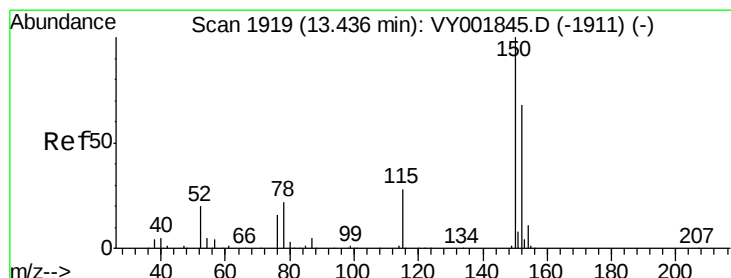
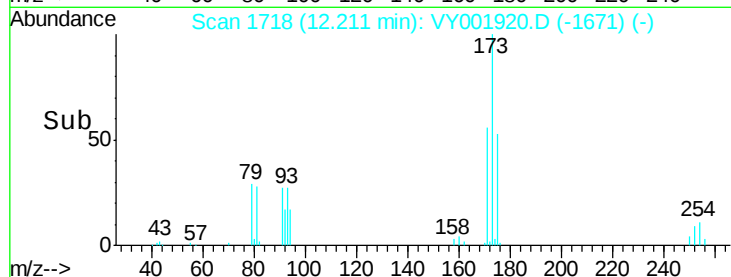
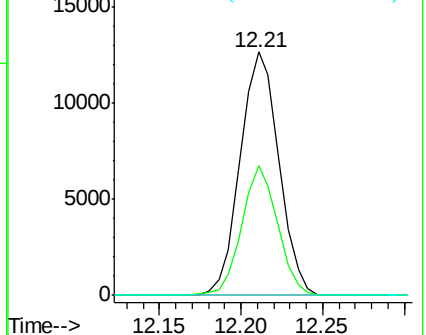
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

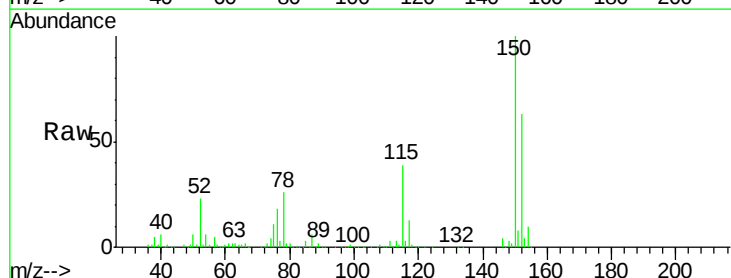
Tgt Ion:152 Resp: 135023

Ion Ratio Lower Upper

152 100

115 61.4 29.9 89.7

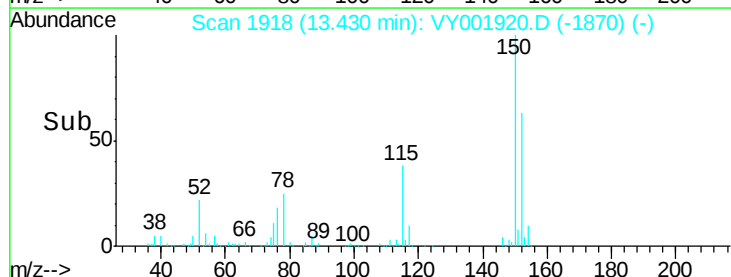
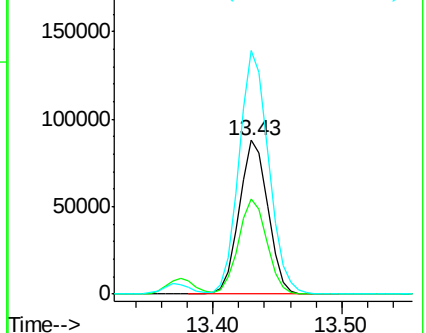
150 164.4 0.0 340.6



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





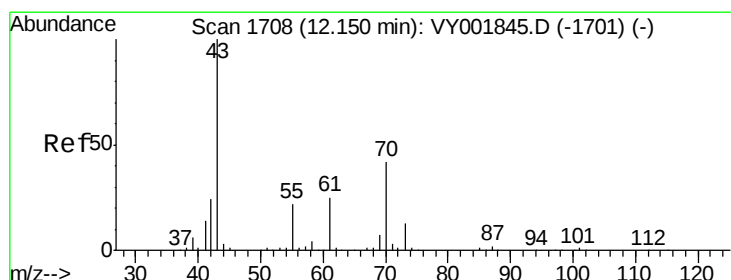
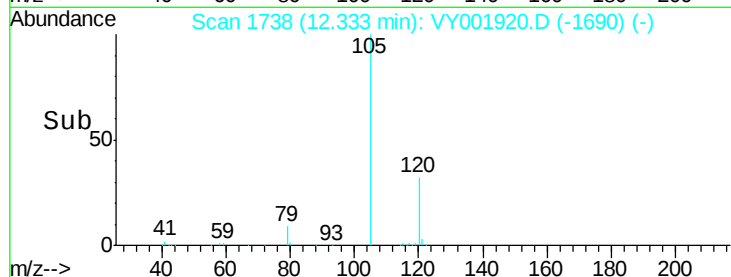
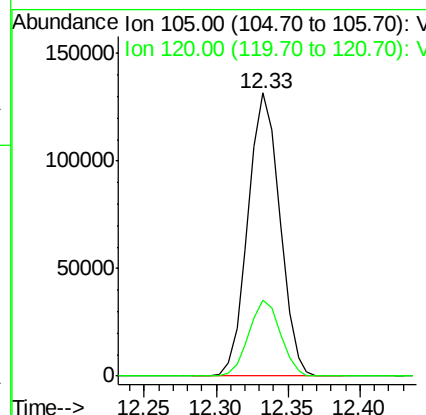
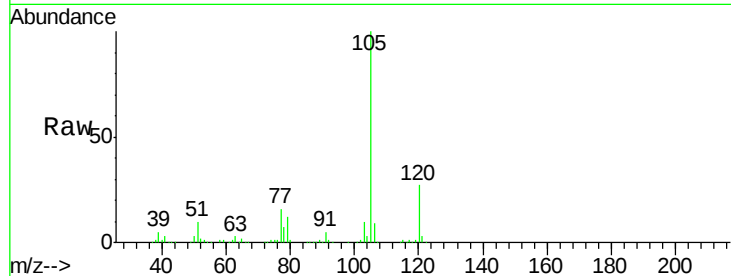
#73
Isopropylbenzene
Concen: 19.548 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201484		
120	26.6	13.1	39.3	

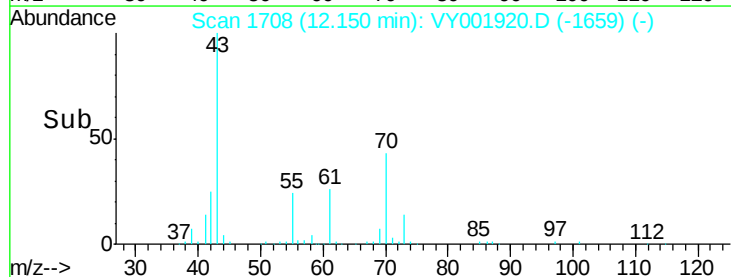
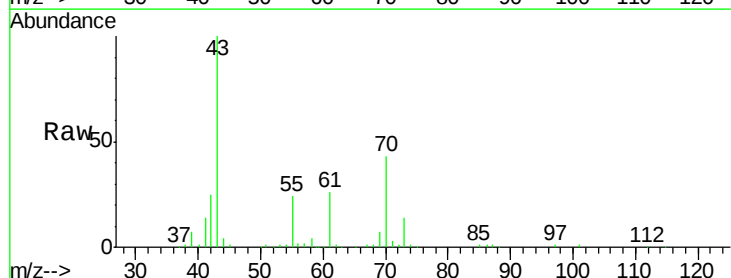
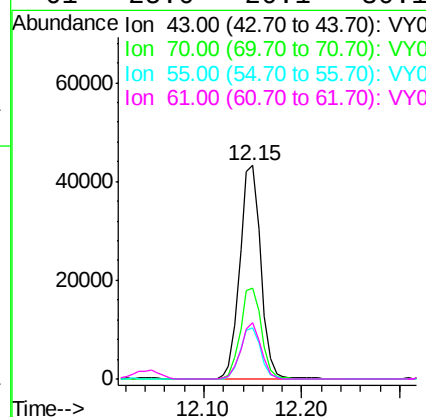
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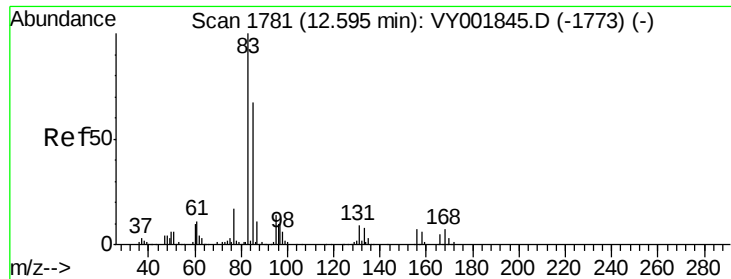
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#74
N-ethyl acetate
Concen: 20.332 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	64410		
70	43.1	34.7	52.1	
55	23.6	18.2	27.4	
61	25.0	20.1	30.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

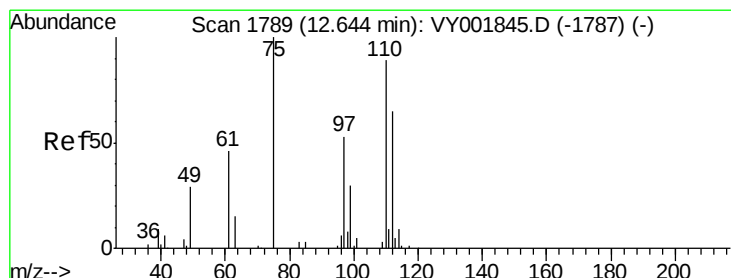
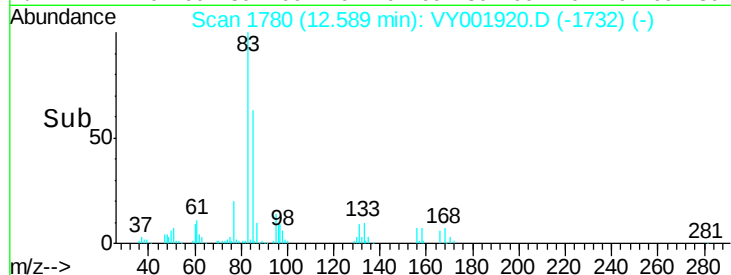
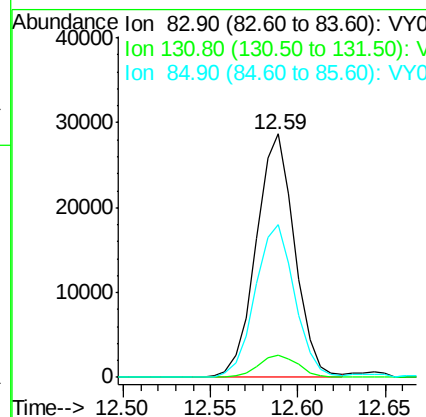
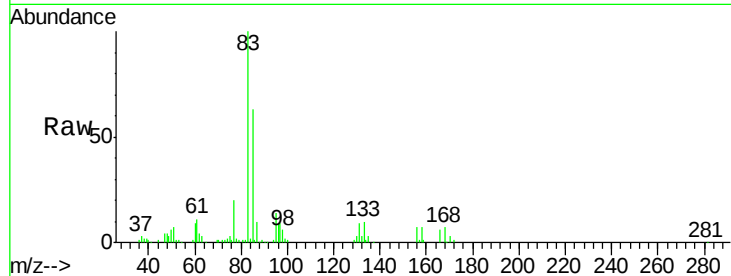
ClientSampleId :

VY0310SBS01

Tot Ion:	83	Resp:	44318
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 19.498 ug/l m

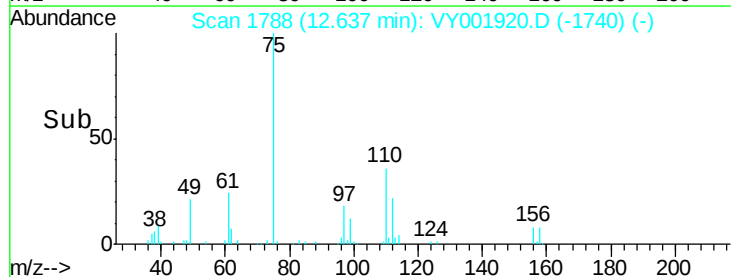
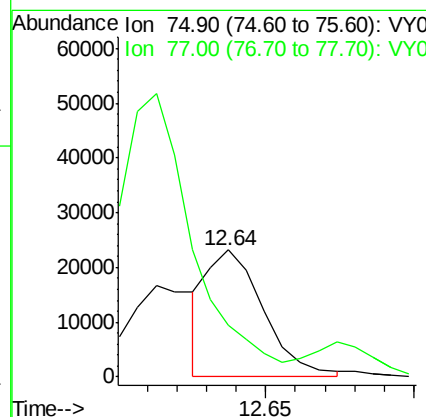
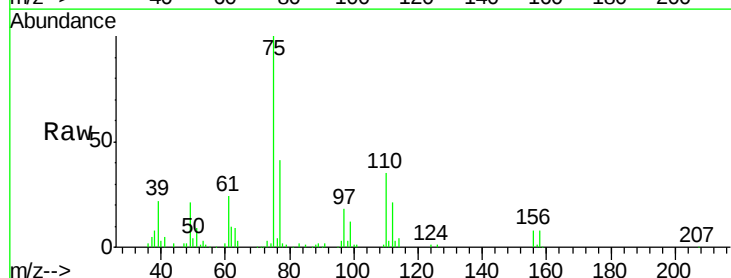
RT: 12.64 min Scan# 1788

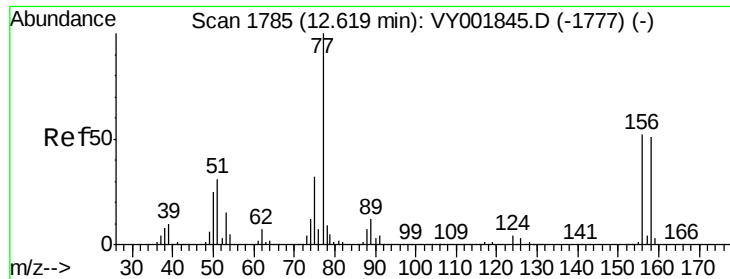
Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	75	Resp:	31238
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.846 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:156 Resp: 43339

Ion Ratio Lower Upper

156 100

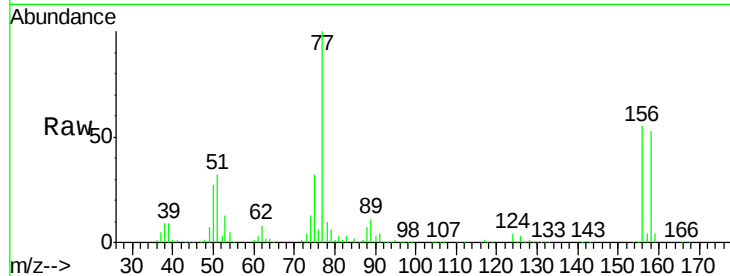
77 215.4 109.0 327.0

158 100.8 48.9 146.8

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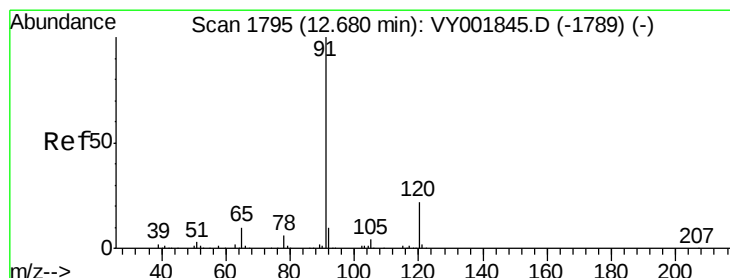
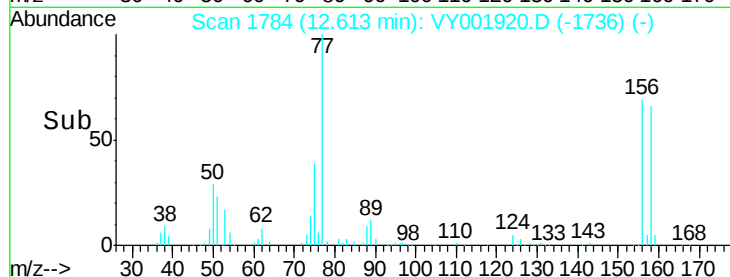
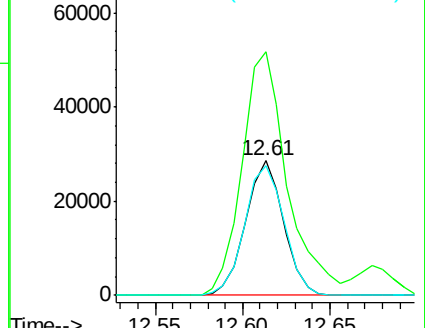
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.075 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001920.D

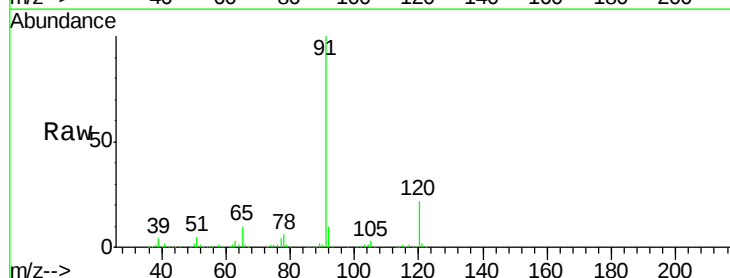
Acq: 10 Mar 2020 13:44

Tgt Ion: 91 Resp: 255277

Ion Ratio Lower Upper

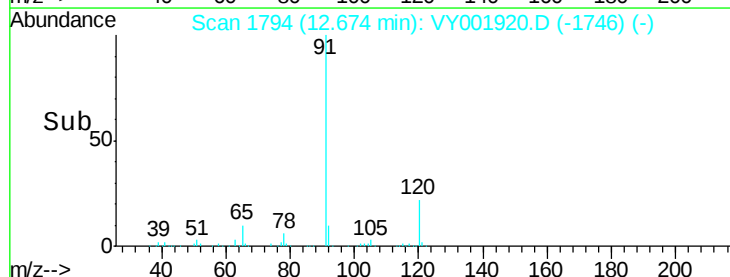
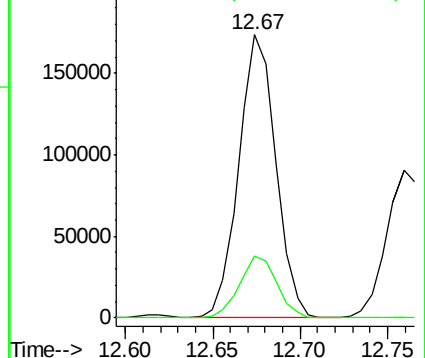
91 100

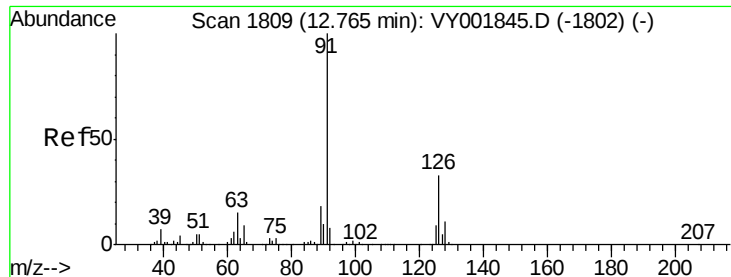
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.008 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 91 Resp: 140569

Ion Ratio Lower Upper

91 100

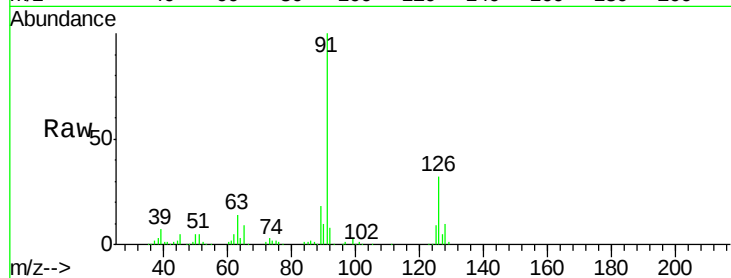
126 32.5 16.3 48.8

Manual Integrations

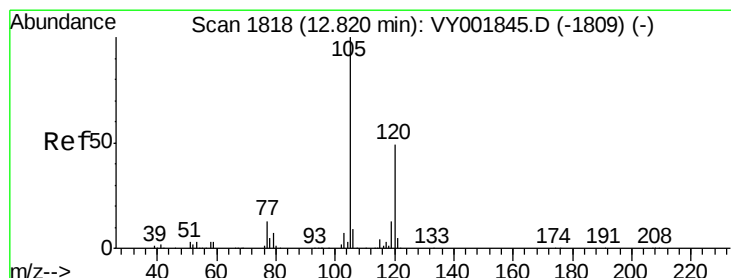
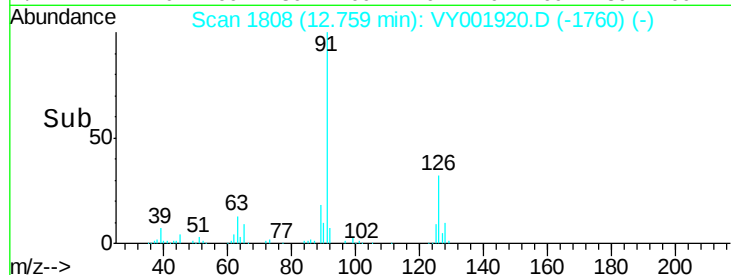
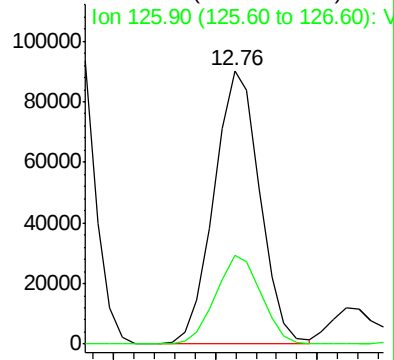
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Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.319 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001920.D

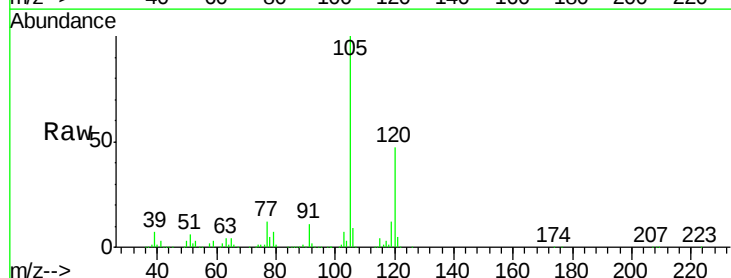
Acq: 10 Mar 2020 13:44

Tgt Ion: 105 Resp: 172416

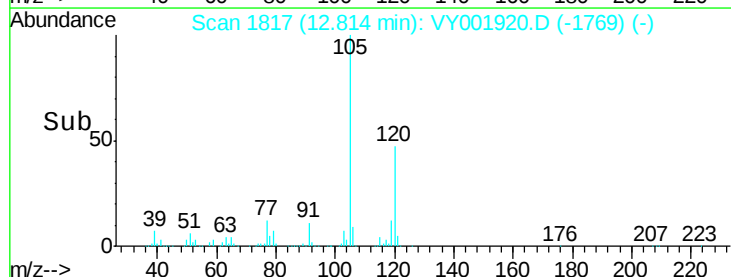
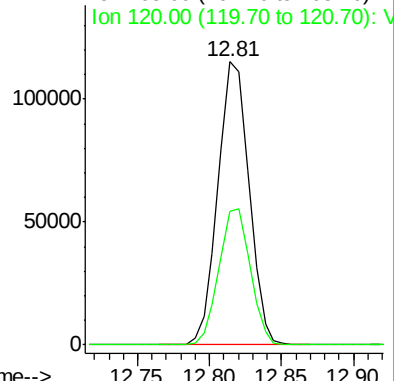
Ion Ratio Lower Upper

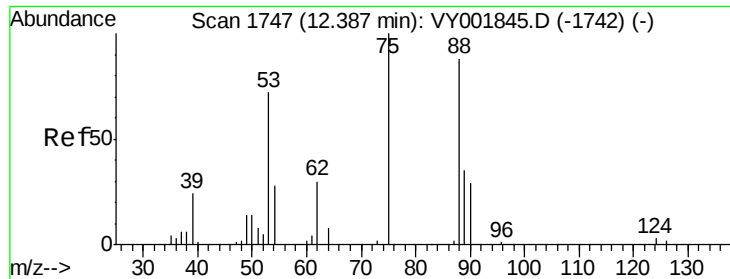
105 100

120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





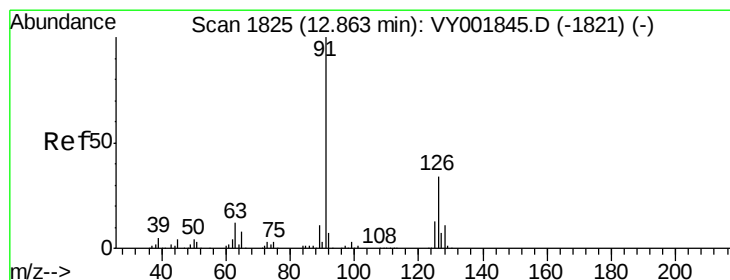
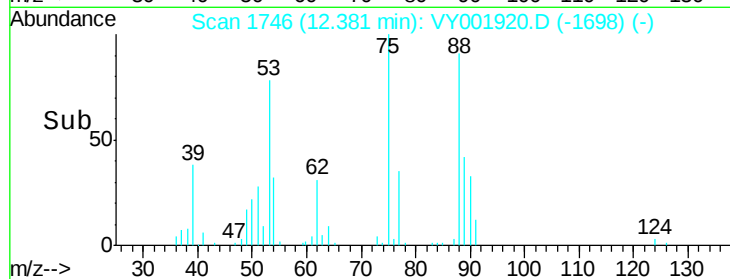
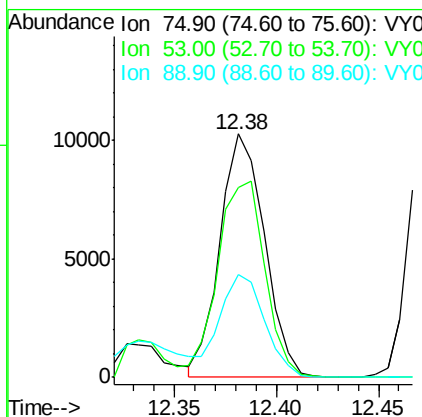
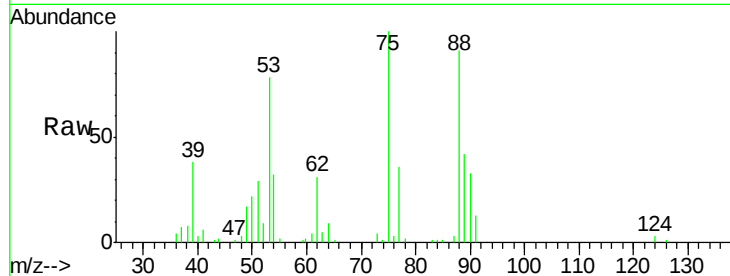
#81
trans-1,4-Dichloro-2-butene
Concen: 19.647 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	65.4	98.0
89	43.5	36.0	54.0

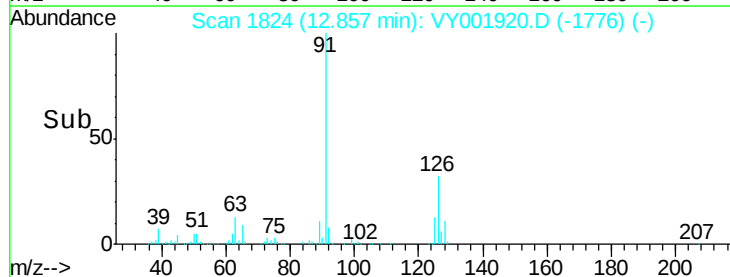
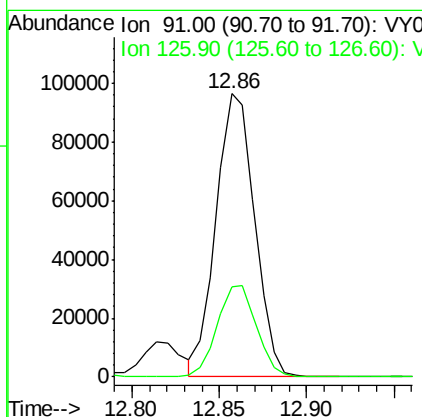
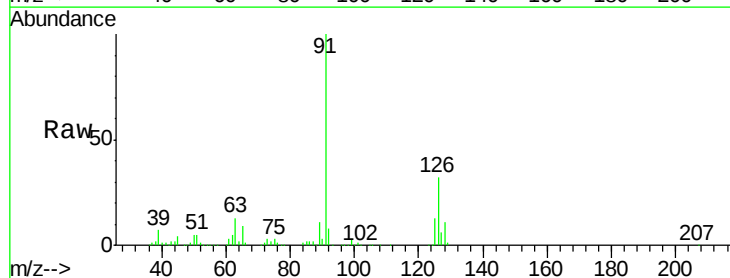
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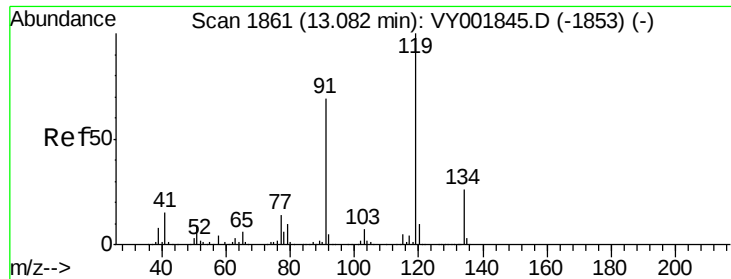
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#82
4-Chlorotoluene
Concen: 20.213 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2





#83

tert-Butylbenzene

Concen: 20.758 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

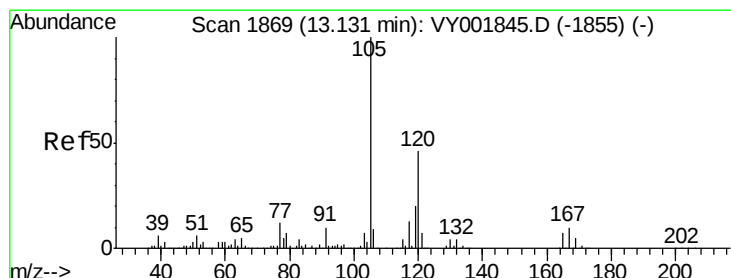
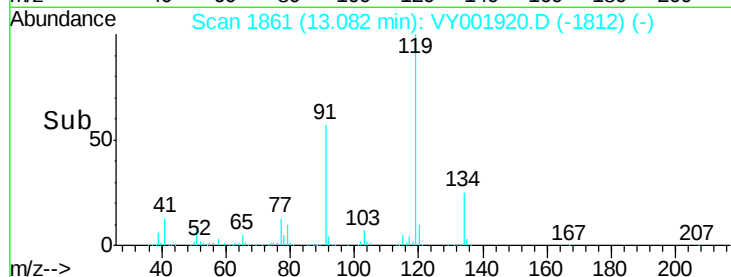
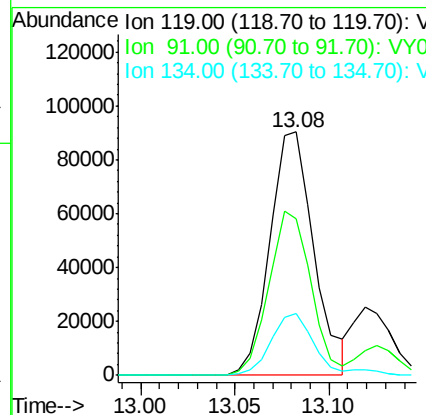
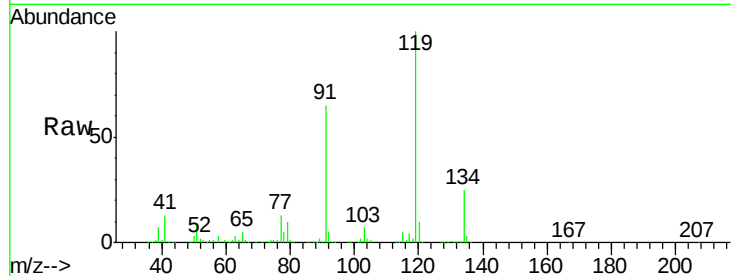
ClientSampleId :

VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146301		
91	64.4	34.0	101.8	
134	26.0	13.5	40.4	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.195 ug/l

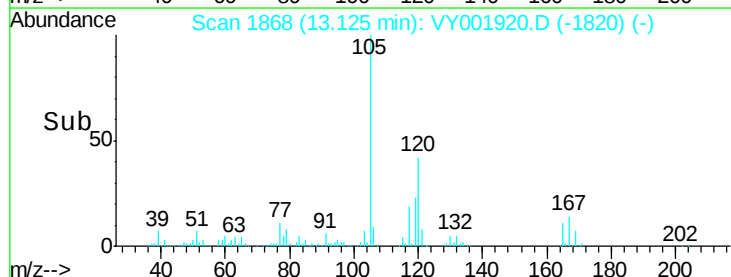
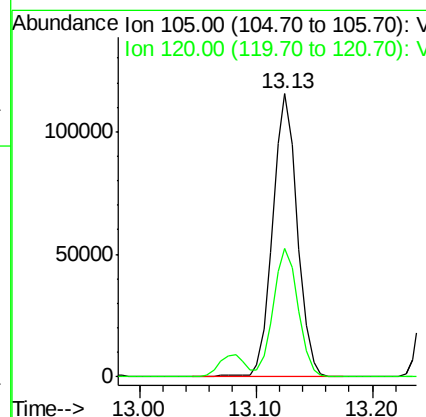
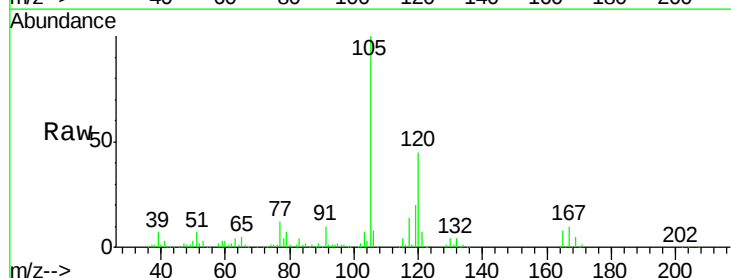
RT: 13.13 min Scan# 1868

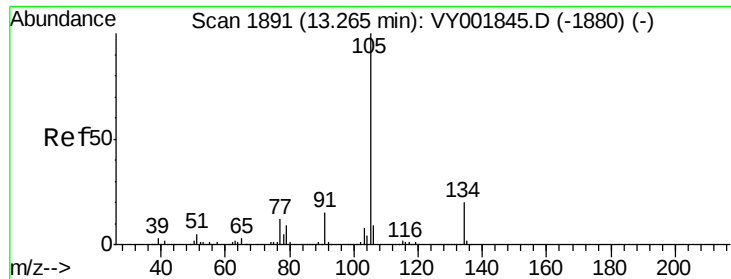
Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170061		
120	45.3	22.6	67.7	





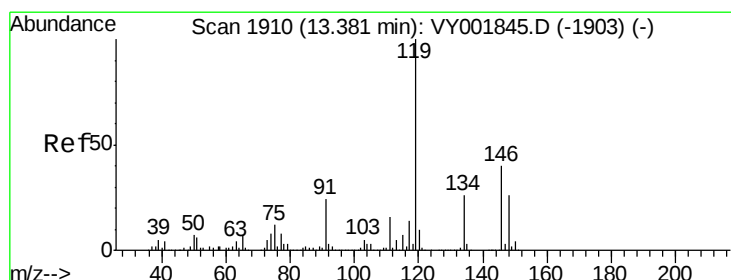
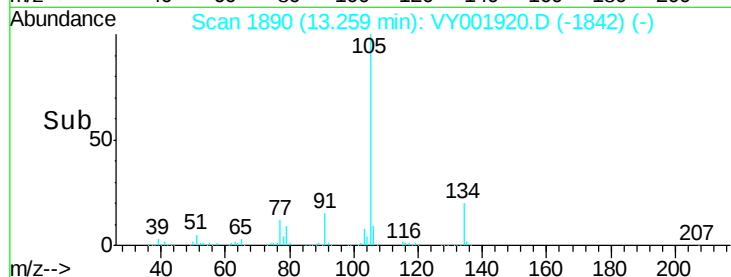
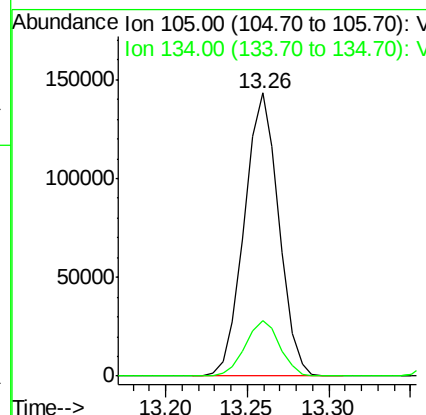
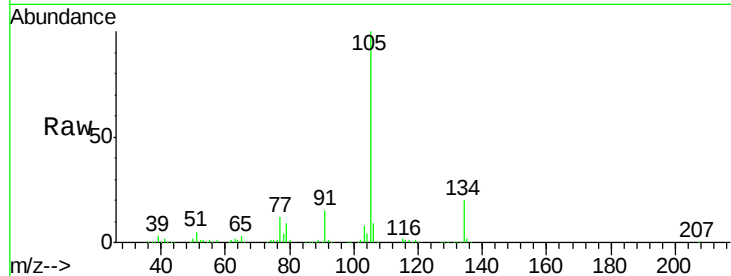
#85
 sec-Butylbenzene
 Concen: 20.333 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

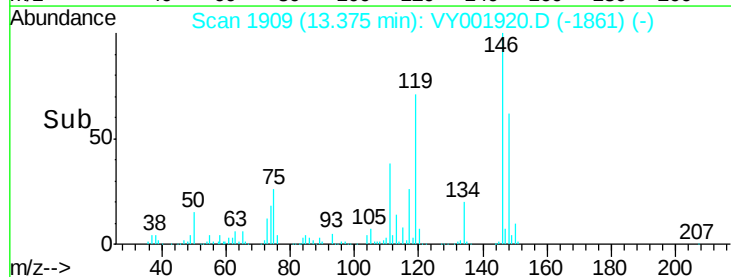
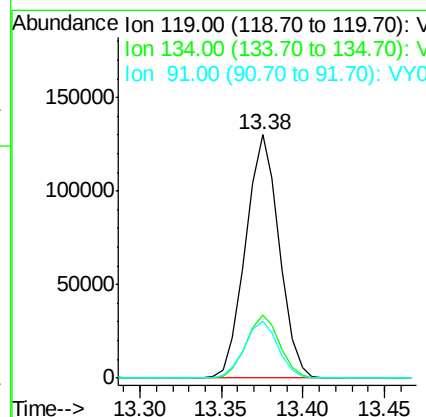
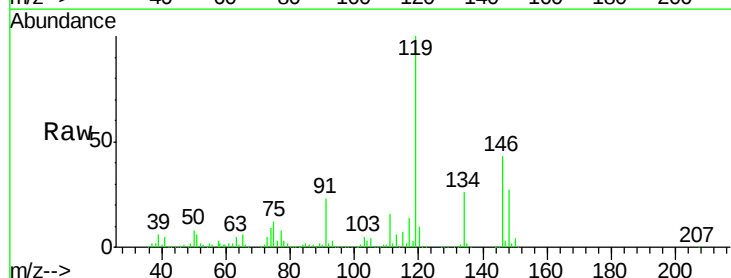
Manual Integrations
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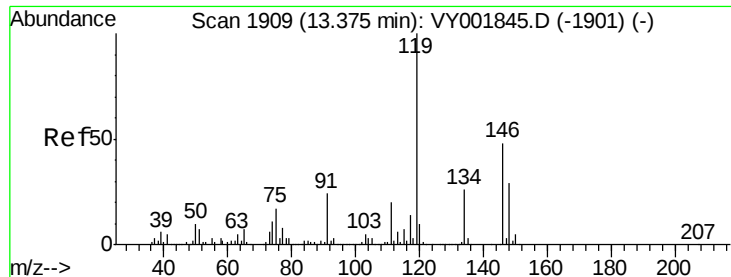
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#86
 p-Isopropyltoluene
 Concen: 20.807 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	23.4	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 20.715 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Instrument :

MSVOA_Y

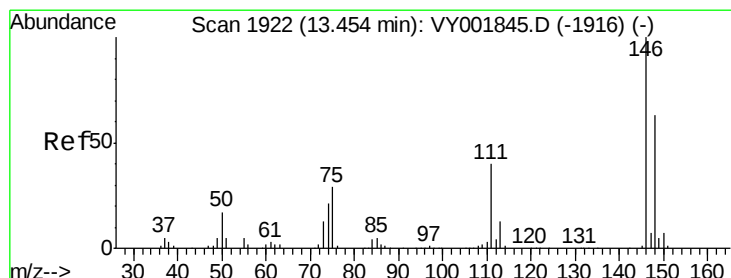
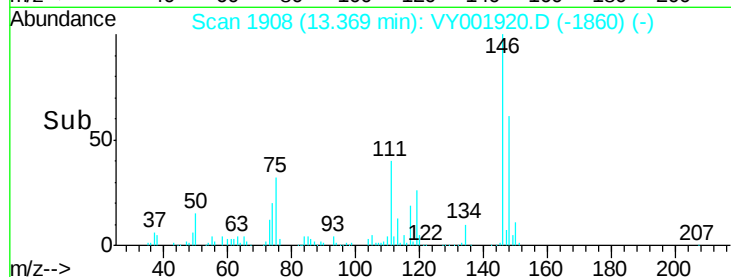
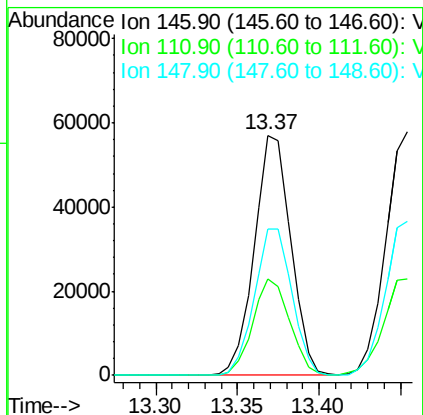
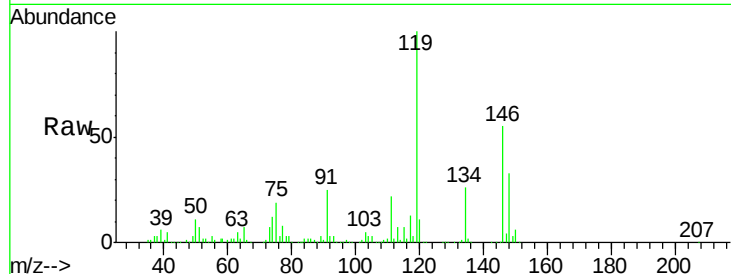
ClientSampleId :

VY0310SBS01

Tot Ion:	146	Resp:	88645
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.8	62.5
148	62.5	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 20.505 ug/l

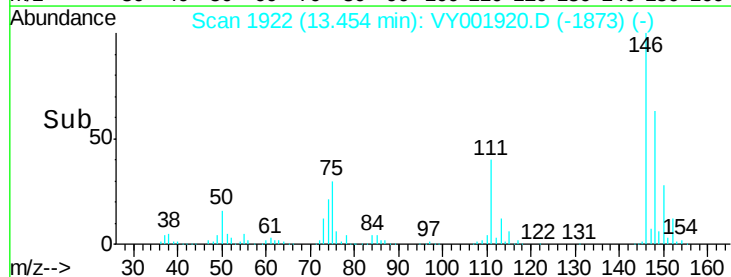
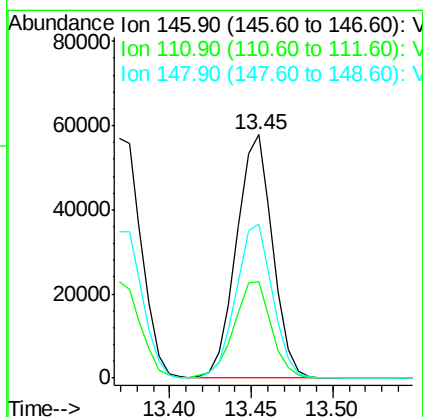
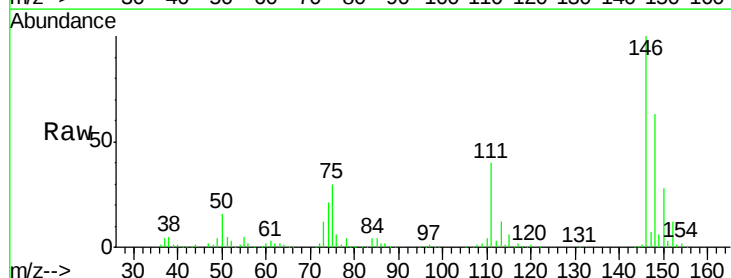
RT: 13.45 min Scan# 1922

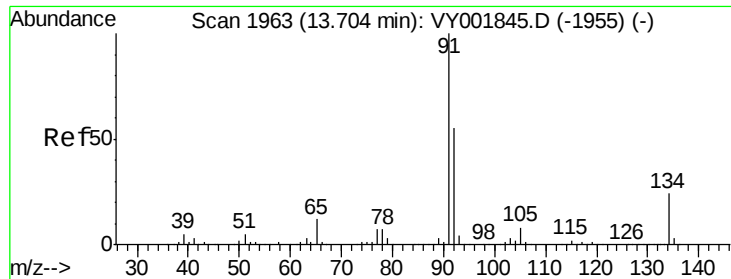
Delta R.T. -0.00 min

Lab File: VY001920.D

Acq: 10 Mar 2020 13:44

Tgt Ion:	146	Resp:	89021
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.0	60.0
148	64.2	31.5	94.5





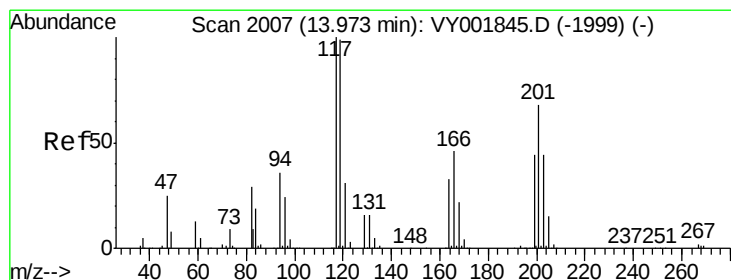
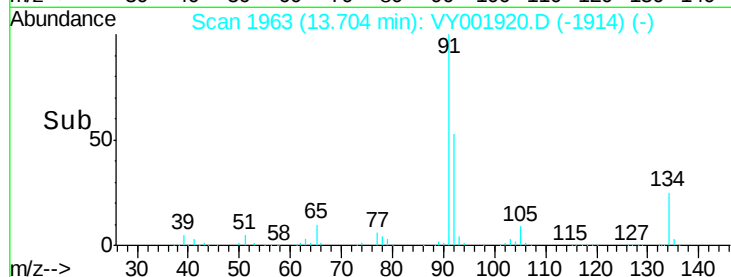
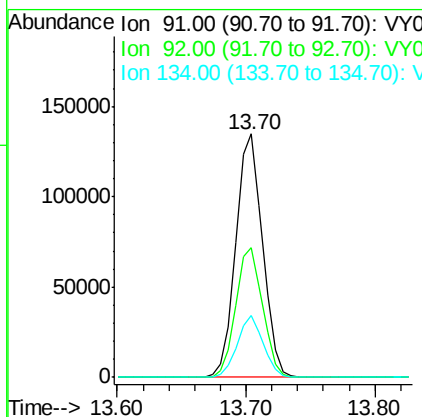
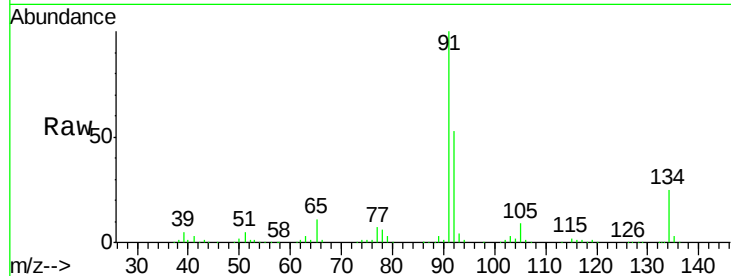
#89
n-Butylbenzene
Concen: 20.840 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.5	82.4
134	24.5	12.5	37.5

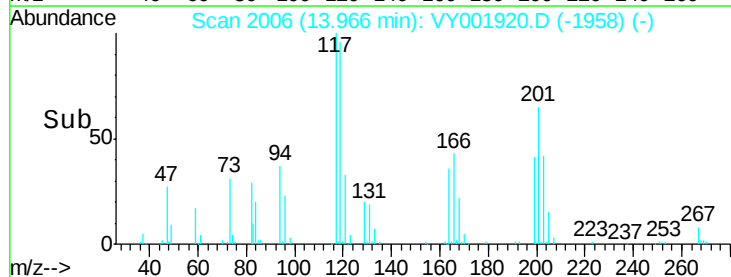
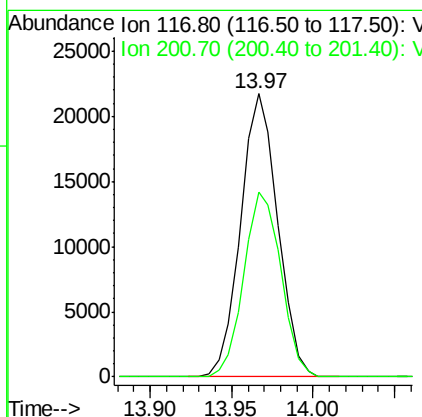
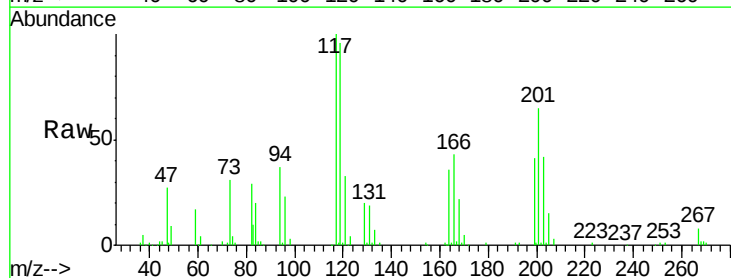
Manual Integrations
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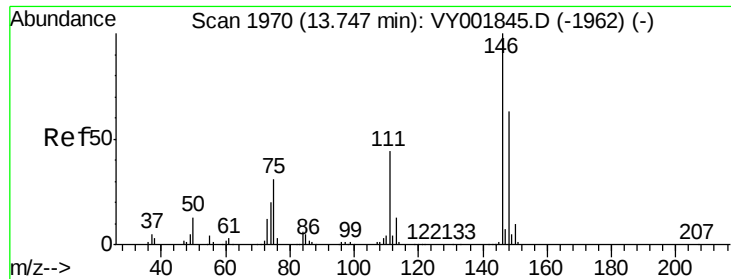
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#90
Hexachloroethane
Concen: 20.293 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	32.5	97.5





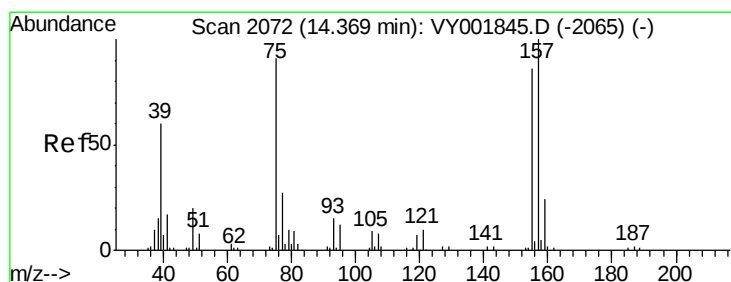
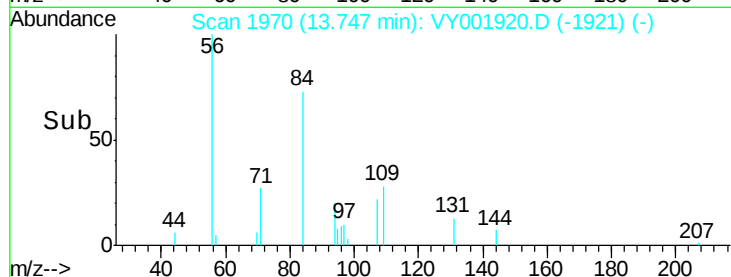
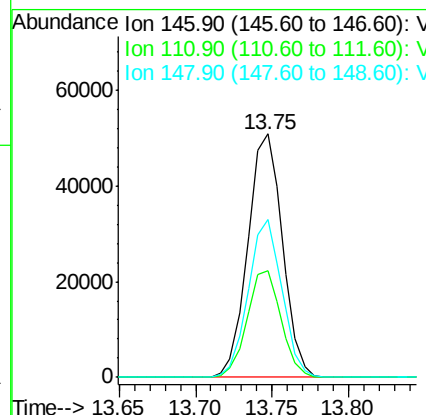
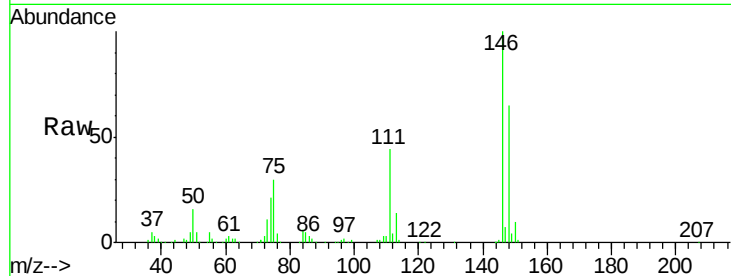
#91
 1,2-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.2	32.0	96.0

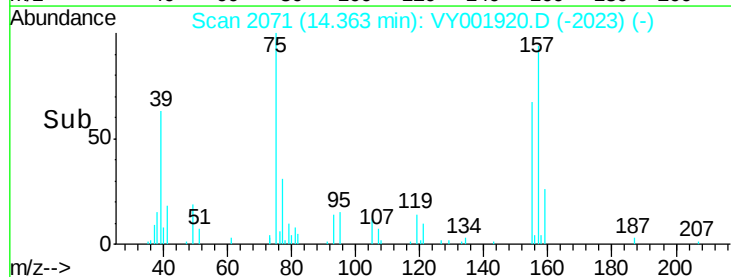
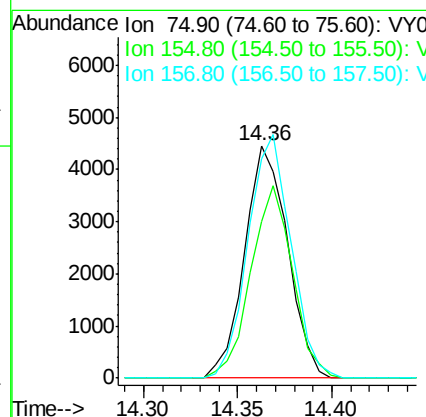
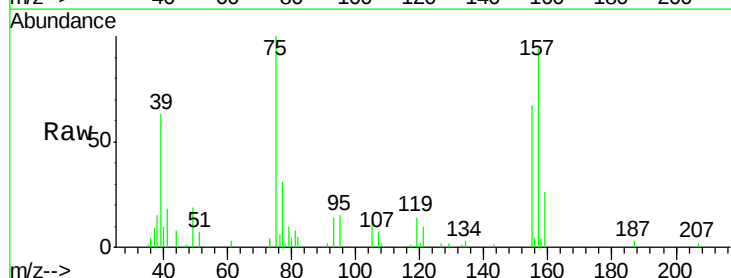
Manual Integrations
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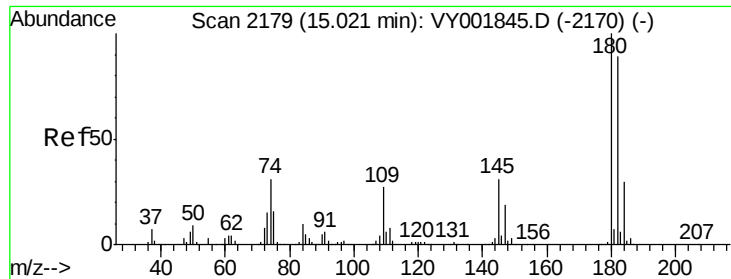
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.329 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.9	128.7
157	104.5	53.1	159.4





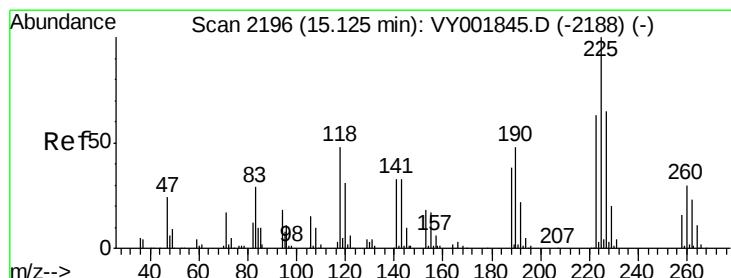
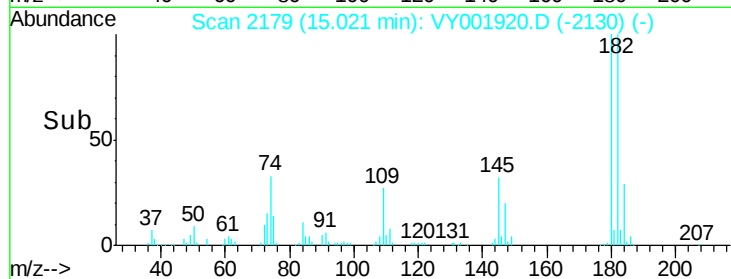
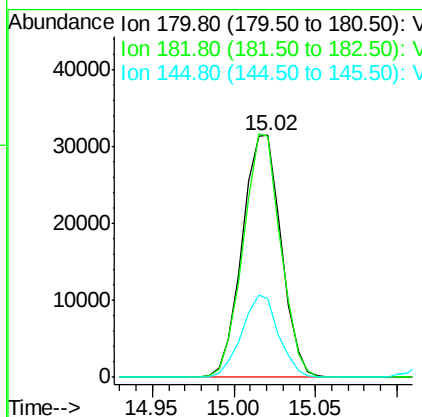
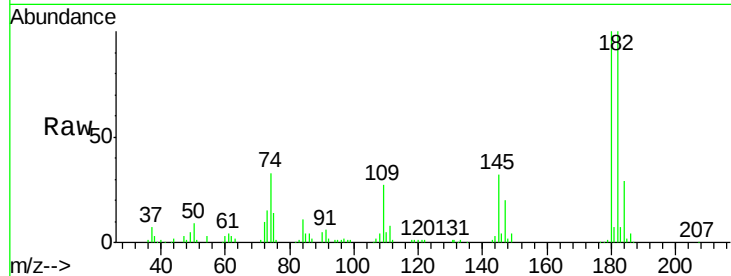
#93
 1,2,4-Trichlorobenzene
 Concen: 20.667 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.1	138.3
145	32.3	15.6	46.8

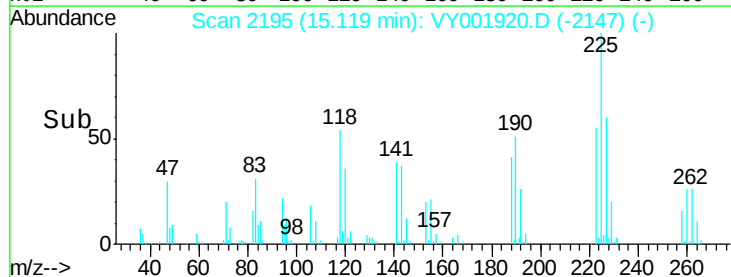
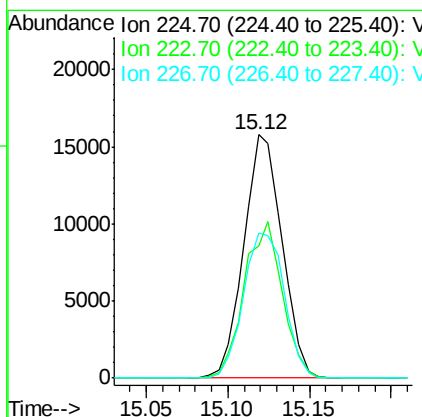
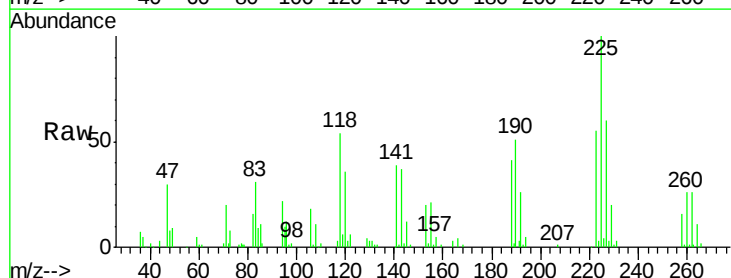
Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:41 PM



#94
 Hexachlorobutadiene
 Concen: 20.967 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001920.D
 Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.5	94.5
227	63.7	31.9	95.5





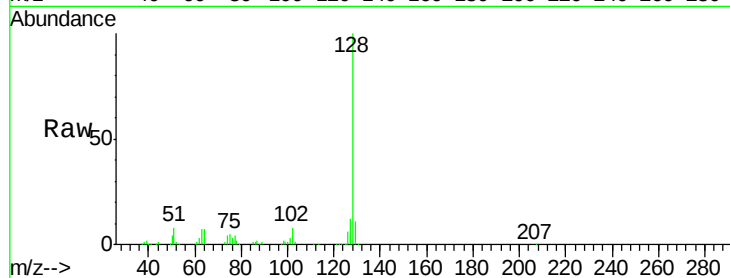
#95
Naphthalene
Concen: 20.433 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122193		
127	12.3		10.1	15.1
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:22:41 PM

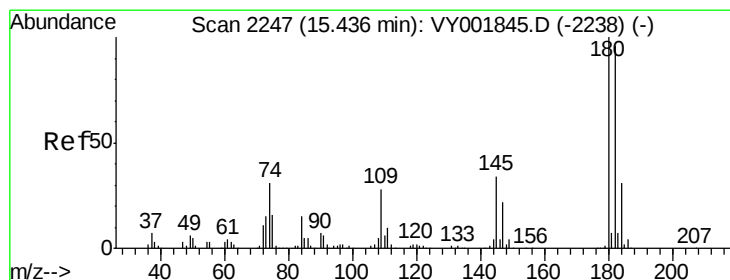
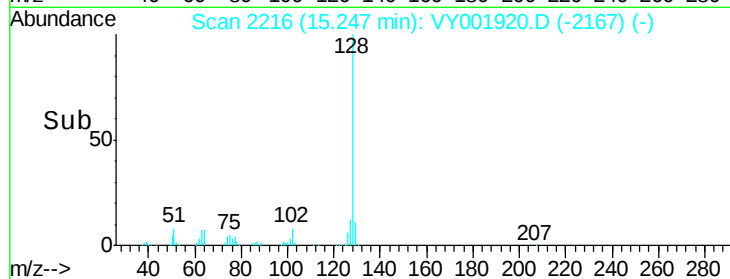
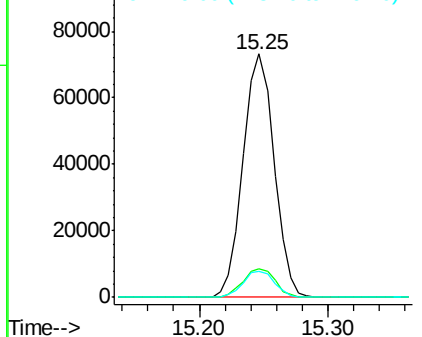


Abundance

Ion 128.00 (127.70 to 128.70): V

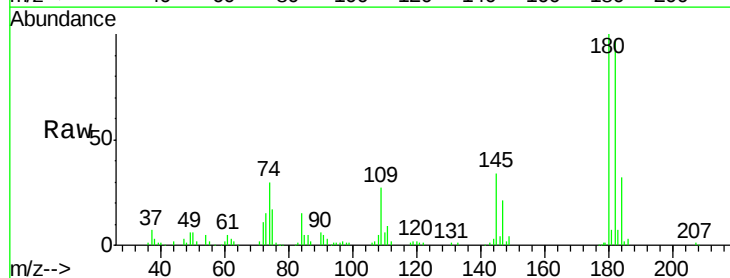
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.271 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY001920.D
Acq: 10 Mar 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47244		
182	93.8		47.6	142.9
145	34.4		16.8	50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

