

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\
 Data File : VY001954.D
 Acq On : 12 Mar 2020 11:21
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:42:31 AM

Quant Time: Mar 13 06:01:22 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	7.82	168	194246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	349274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	311122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107041	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.74	113	100989	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.19	98	409719	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.49	95	145703	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	33831	18.868	ug/l	98
3) Chloromethane	2.13	50	48027	19.867	ug/l	95
4) Vinyl Chloride	2.27	62	49557	20.154	ug/l	99
5) Bromomethane	2.66	94	32919	19.331	ug/l	100
6) Chloroethane	2.81	64	31011	20.077	ug/l	95
7) Trichlorofluoromethane	3.15	101	67494	20.239	ug/l	98
8) Diethyl Ether	3.55	74	26279	19.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42502	19.816	ug/l	99
10) Methyl Iodide	4.11	142	48516	19.559	ug/l	99
11) Tert butyl alcohol	4.99	59	30317	129.613	ug/l #	95
12) 1,1-Dichloroethene	3.90	96	44098	20.419	ug/l	99
13) Acrolein	3.76	56	25004	85.805	ug/l	96
14) Allyl chloride	4.51	41	75329	19.675	ug/l	98
15) Acrylonitrile	5.20	53	66644	94.889	ug/l	99
16) Acetone	3.98	43	57859	95.795	ug/l	96
17) Carbon Disulfide	4.22	76	136310	18.775	ug/l	99
18) Methyl Acetate	4.50	43	30828	19.865	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	120906	20.659	ug/l	99
20) Methylene Chloride	4.75	84	52819	20.405	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	48949	19.969	ug/l	100
22) Diisopropyl ether	6.15	45	154460	19.681	ug/l	95
23) Vinyl Acetate	6.09	43	501680	97.509	ug/l	97
24) 1,1-Dichloroethane	6.05	63	85233	20.055	ug/l	99
25) 2-Butanone	7.02	43	89031	96.931	ug/l	96
26) 2,2-Dichloropropane	7.01	77	74213	21.275	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	54383	20.395	ug/l	99
28) Bromochloromethane	7.36	49	37446	19.547	ug/l	92
29) Tetrahydrofuran	7.38	42	56654	92.884	ug/l	98
30) Chloroform	7.53	83	80848	20.248	ug/l	98
31) Cyclohexane	7.81	56	85952	18.862	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	68522	20.360	ug/l	99
36) 1,1-Dichloropropene	7.94	75	67308	20.026	ug/l	99
37) Ethyl Acetate	7.10	43	39203	20.068	ug/l	98
38) Carbon Tetrachloride	7.92	117	60037	20.910	ug/l	97

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MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	88586	19.872	ug/l	99
40) Benzene	8.18	78	195926	19.667	ug/l	98
41) Methacrylonitrile	7.35	41	22636m	25.748	ug/l	
42) 1,2-Dichloroethane	8.26	62	53399	20.801	ug/l	99
43) Isopropyl Acetate	8.29	43	72961	19.727	ug/l	99
44) Trichloroethene	8.96	130	50063	20.634	ug/l	95
45) 1,2-Dichloropropane	9.23	63	49765	19.872	ug/l	97
46) Dibromomethane	9.32	93	26307	20.384	ug/l	97
47) Bromodichloromethane	9.51	83	62611	20.856	ug/l	98
48) Methyl methacrylate	9.31	41	32881	20.036	ug/l	99
49) 1,4-Dioxane	9.31	88	6551	370.456	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	188936	99.181	ug/l	100
52) Toluene	10.25	92	121409	20.061	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	67489	20.635	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	79721	20.475	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	37738	19.981	ug/l	97
56) Ethyl methacrylate	10.52	69	54741	19.774	ug/l	94
57) 1,3-Dichloropropane	10.80	76	67272	19.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	150003	140.983	ug/l	98
59) 2-Hexanone	10.85	43	132889	97.736	ug/l	100
60) Dibromochloromethane	11.00	129	41858	21.032	ug/l	99
61) 1,2-Dibromoethane	11.10	107	36787	20.562	ug/l	98
64) Tetrachloroethene	10.73	164	40666	20.843	ug/l	91
65) Chlorobenzene	11.53	112	123385	19.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	41219	20.276	ug/l	97
67) Ethyl Benzene	11.60	91	234170	20.254	ug/l	98
68) m/p-Xylenes	11.71	106	172586	40.377	ug/l	98
69) o-Xylene	12.04	106	82422	20.458	ug/l	100
70) Styrene	12.05	104	141271	20.474	ug/l	99
71) Bromoform	12.22	173	22889	20.761	ug/l	# 99
73) Isopropylbenzene	12.34	105	223343	20.130	ug/l	100
74) N-amyl acetate	12.15	43	65075	19.084	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46744	19.537	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	37528m	21.761	ug/l	
77) Bromobenzene	12.62	156	47287	20.116	ug/l	98
78) n-propylbenzene	12.68	91	272061	19.876	ug/l	98
79) 2-Chlorotoluene	12.77	91	151997	20.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	184435	20.192	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16775	19.648	ug/l	95
82) 4-Chlorotoluene	12.86	91	161472	20.507	ug/l	100
83) tert-Butylbenzene	13.08	119	154363	20.347	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	186639	20.590	ug/l	99
85) sec-Butylbenzene	13.26	105	227645	20.358	ug/l	99
86) p-Isopropyltoluene	13.38	119	199155	20.646	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	93827	20.369	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	93283	19.961	ug/l	98
89) n-Butylbenzene	13.70	91	202669	20.251	ug/l	99
90) Hexachloroethane	13.97	117	36821	20.234	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	86553	20.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7839	20.996	ug/l	93

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	55789	20.556	ug/l	98
94) Hexachlorobutadiene	15.12	225	27139	20.511	ug/l	98
95) Naphthalene	15.25	128	128602	19.977	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49391	20.659	ug/l	99

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

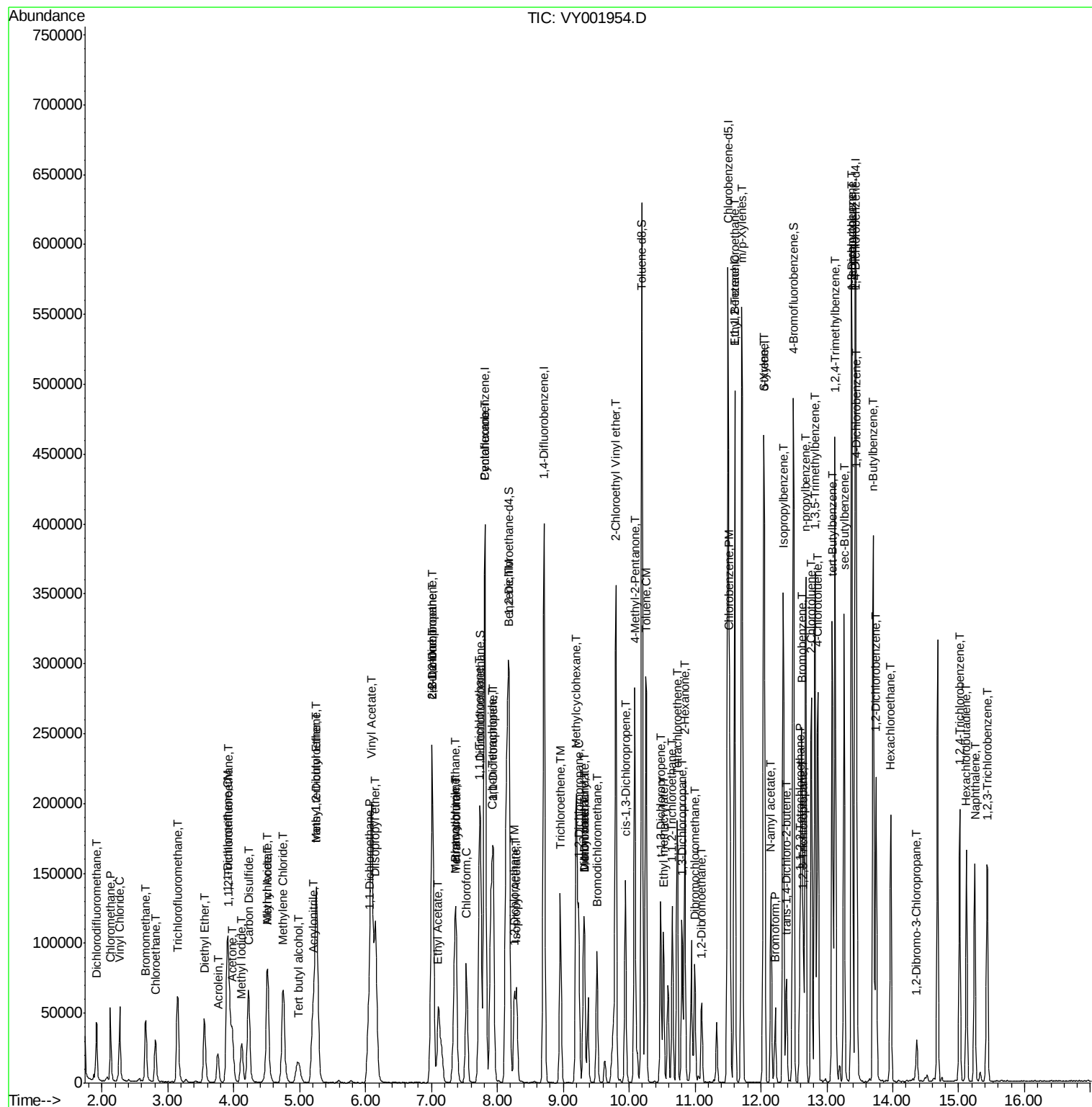
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 Data File : VY001954.D
 Acq On : 12 Mar 2020 11:21
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

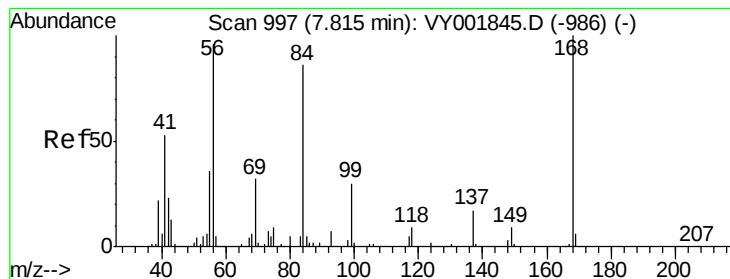
Instrument :
 MSVOA_Y
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion:168 Resp: 194246

Ion Ratio Lower Upper

168 100

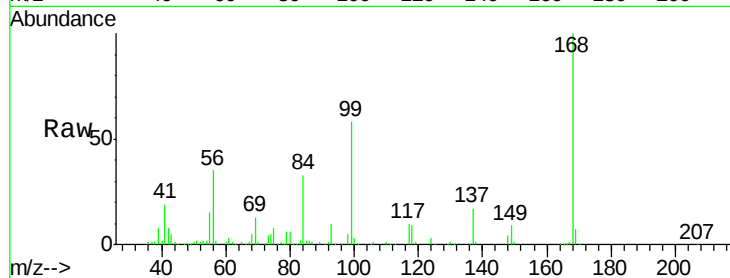
99 58.2 46.7 70.1

Manual Integrations

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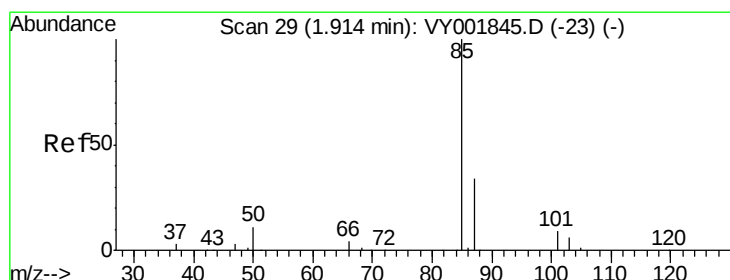
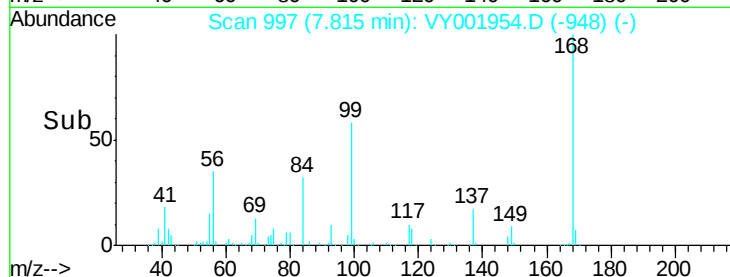


Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

Time-->



#2

Dichlorodifluoromethane

Concen: 18.868 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001954.D

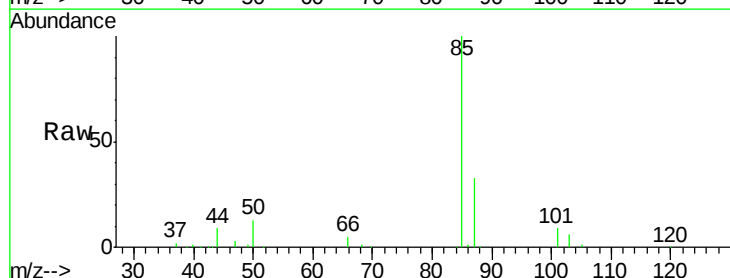
Acq: 12 Mar 2020 11:21

Tgt Ion: 85 Resp: 33831

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.4

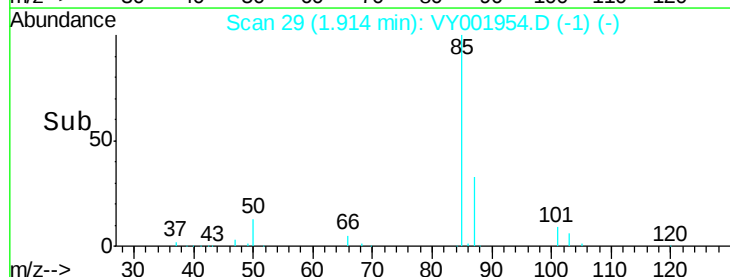


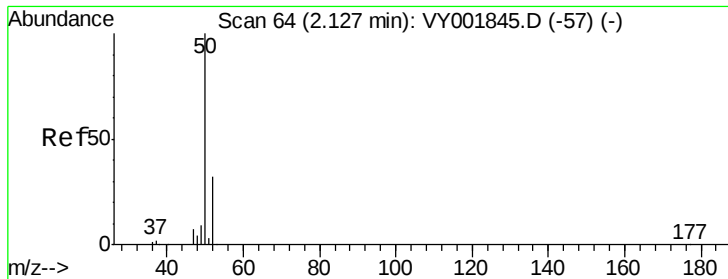
Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

Time-->





#3

Chloromethane

Concen: 19.867 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001954.D

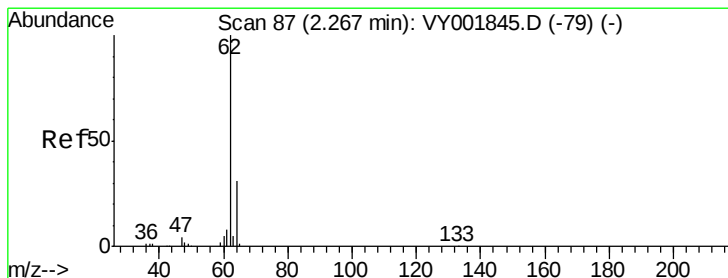
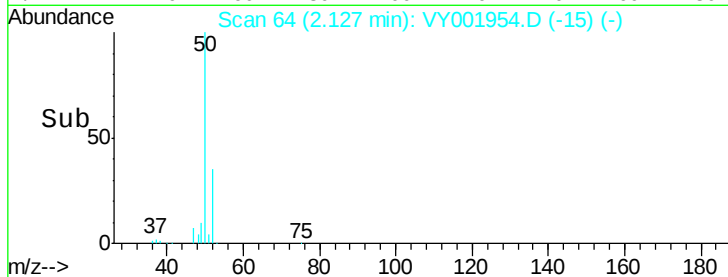
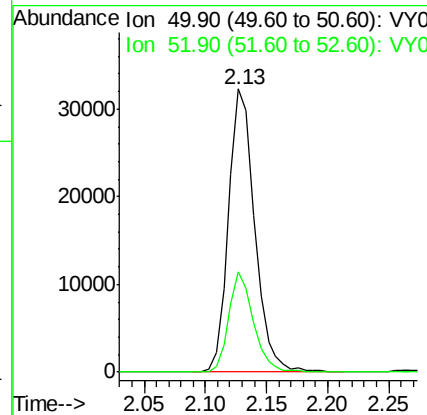
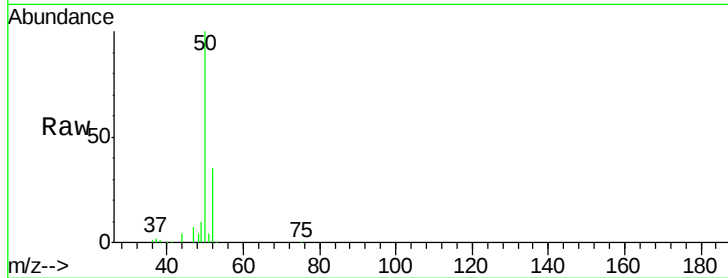
Acq: 12 Mar 2020 11:21

Tot Ion	50	Resp	48027
Ion Ratio	100	Lower	Upper
50	100		
52	35.2	25.8	38.6

Instrument :
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Manual Integrations
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#4

Vinyl Chloride

Concen: 20.154 ug/l

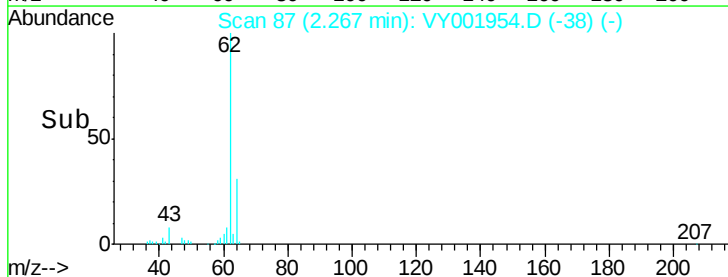
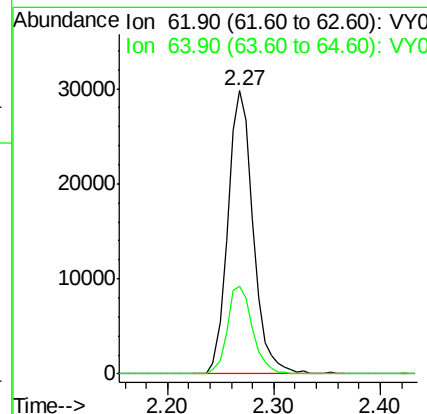
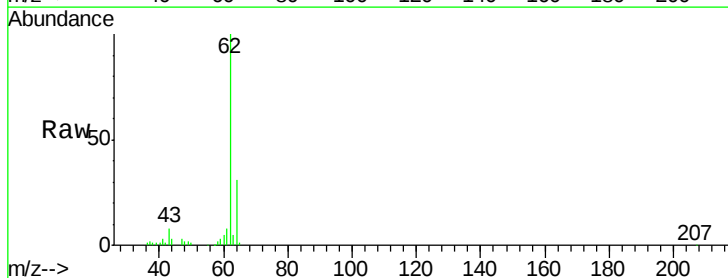
RT: 2.27 min Scan# 87

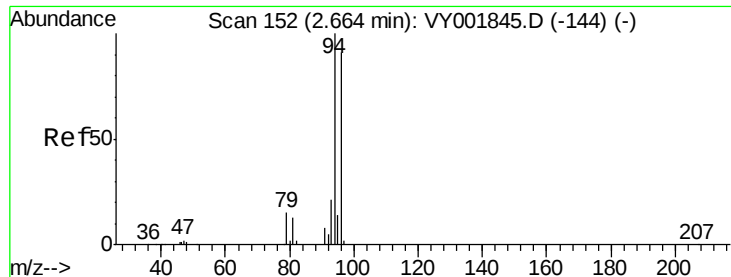
Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion	62	Resp	49557
Ion Ratio	100	Lower	Upper
62	100		
64	30.9	25.1	37.7





#5

Bromomethane

Concen: 19.331 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 94 Resp: 32919

Ion Ratio Lower Upper

94 100

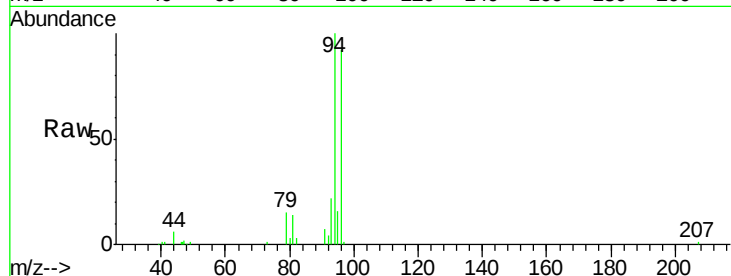
96 91.8 73.2 109.8

Manual Integrations

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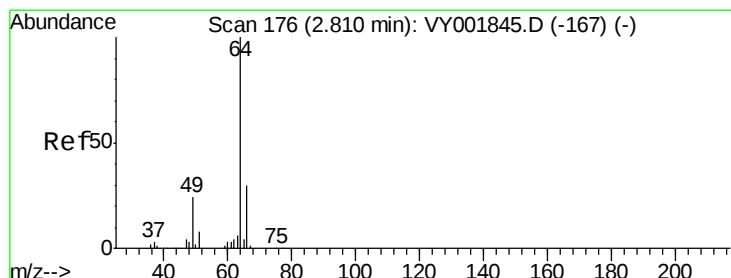
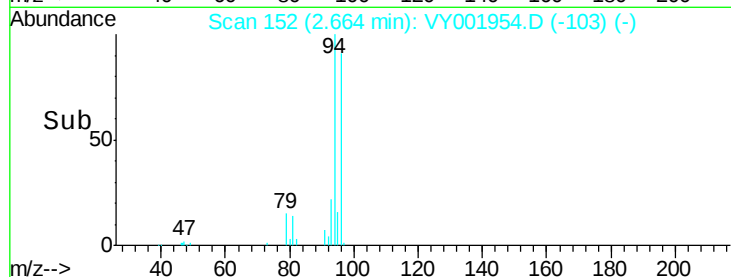
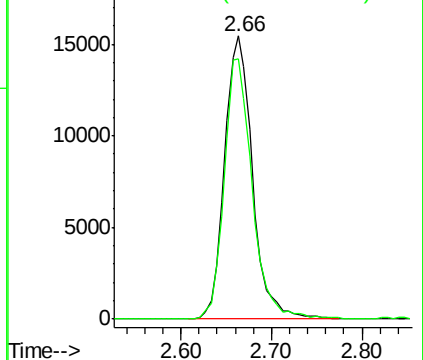
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.077 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001954.D

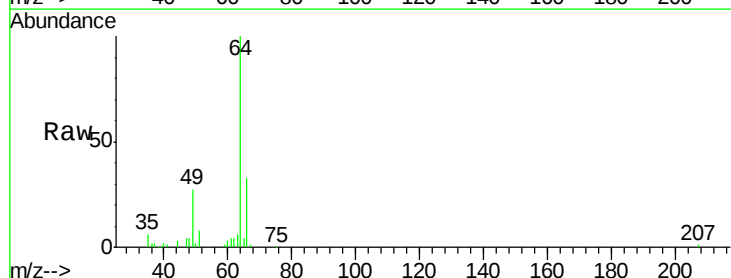
Acq: 12 Mar 2020 11:21

Tgt Ion: 64 Resp: 31011

Ion Ratio Lower Upper

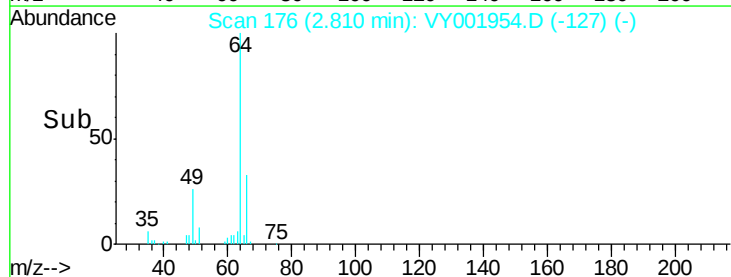
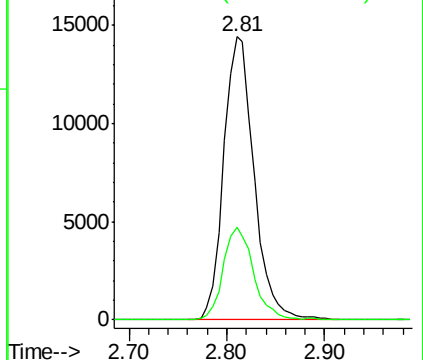
64 100

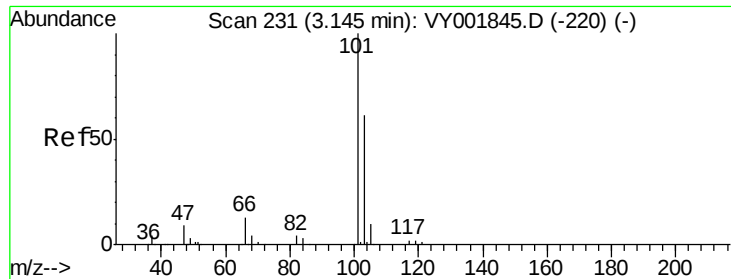
66 32.6 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

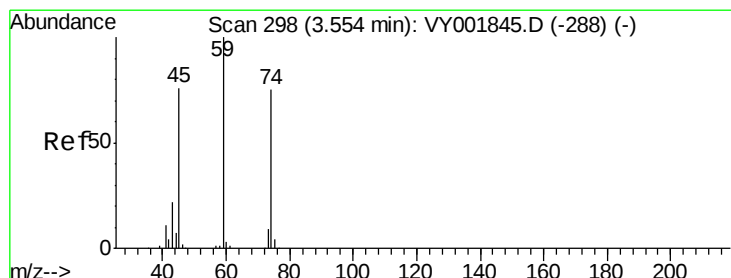
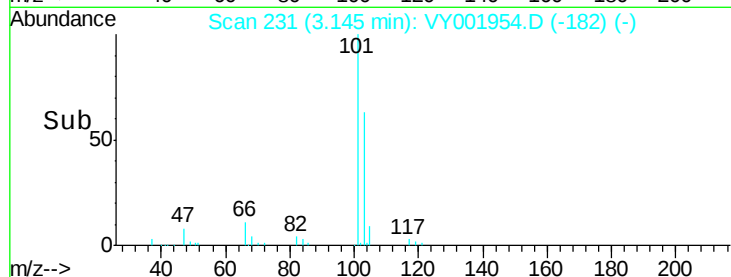
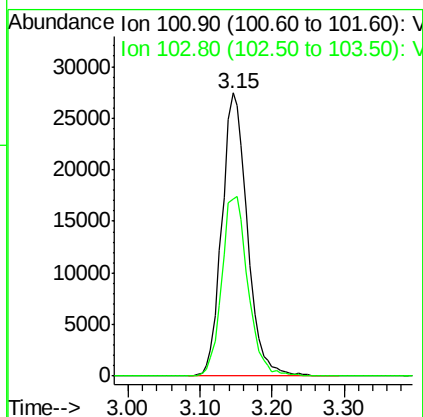
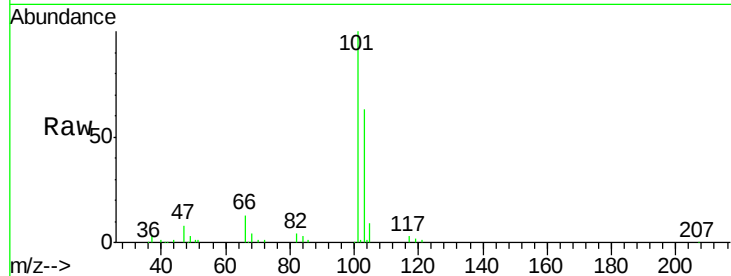
Trichlorofluoromethane
Concen: 20.239 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	49.1	73.7

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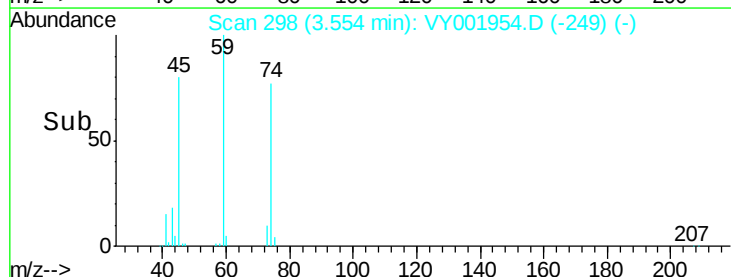
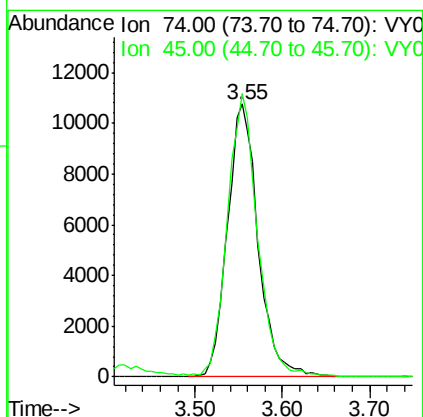
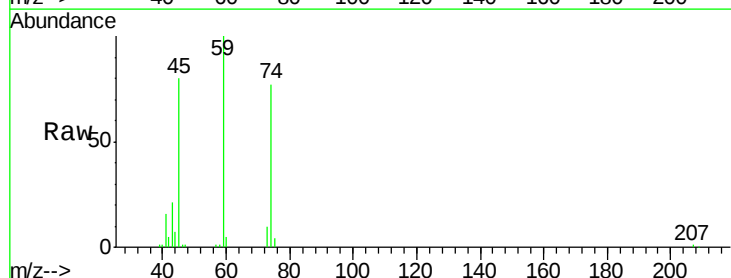
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#8

Diethyl Ether
Concen: 19.994 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.816 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

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MSVOA_Y

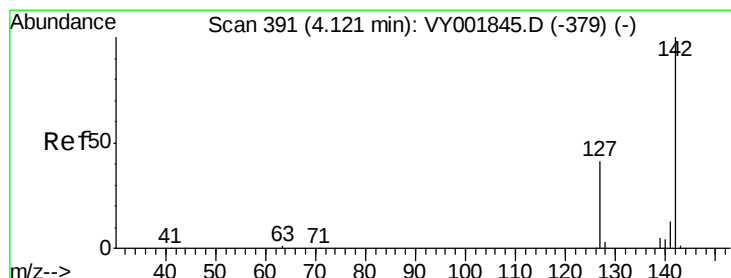
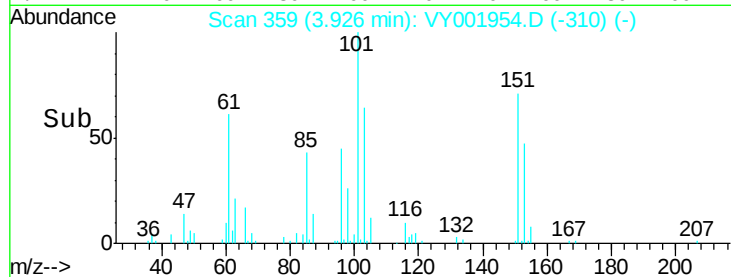
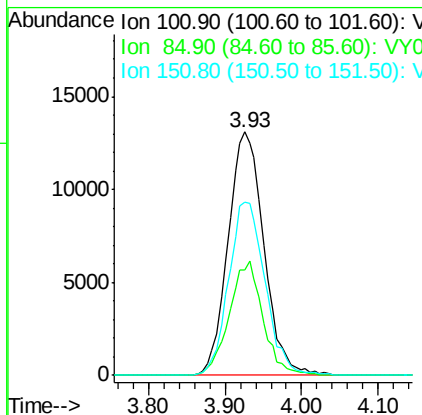
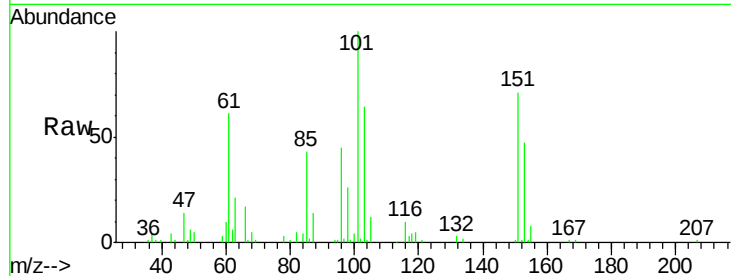
ClientSampleId :

VY0312SBS01

Tot Ion:	101	Resp:	42502
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.3	52.9
151	72.4	57.0	85.4

Manual Integrations
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MMDadoda
3/16/2020 11:42:31 AM



#10

Methyl Iodide

Concen: 19.559 ug/l

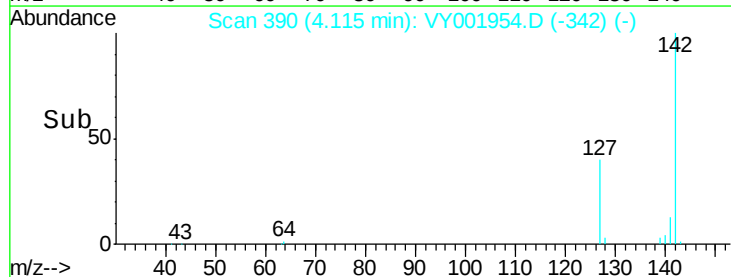
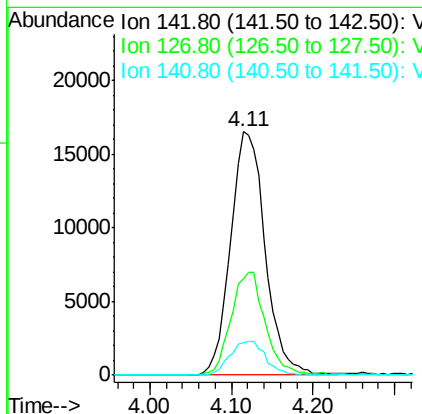
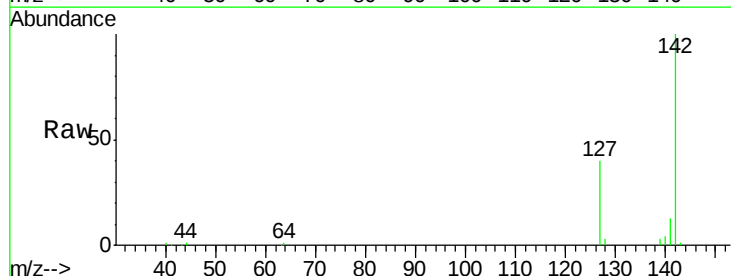
RT: 4.11 min Scan# 390

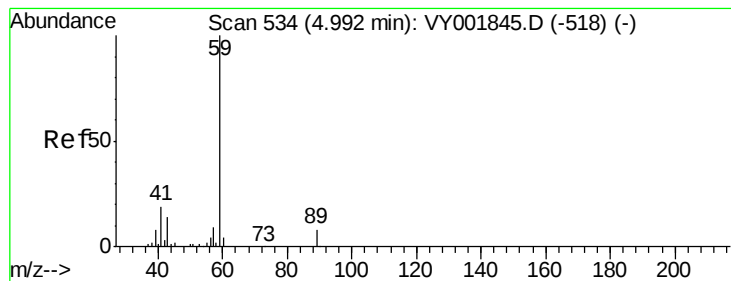
Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion:	142	Resp:	48516
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.7	49.1
141	14.1	11.0	16.6





#11

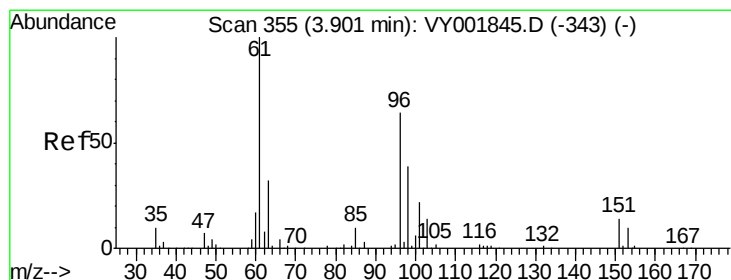
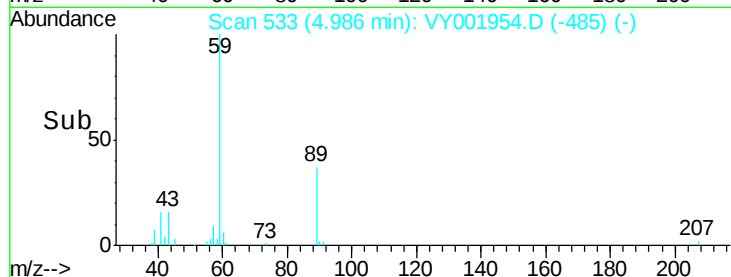
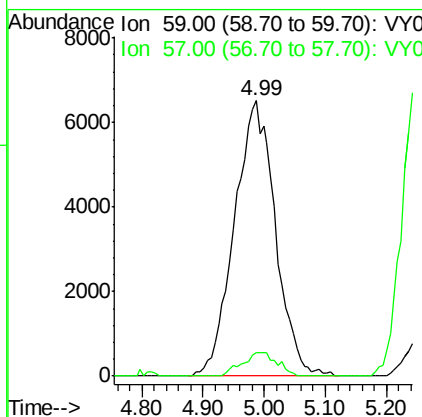
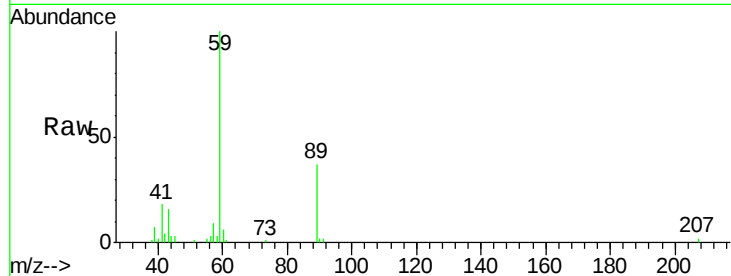
Tert butyl alcohol
Concen: 129.613 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		30317		
57	7.3		7.4	11.2#	

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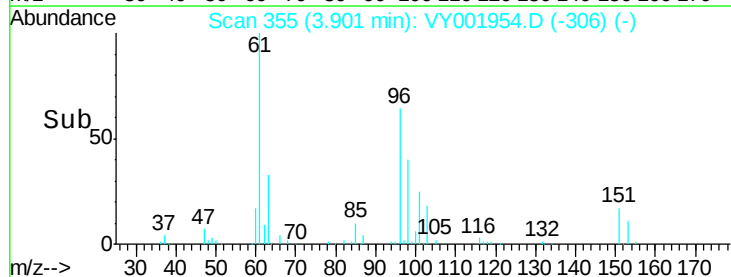
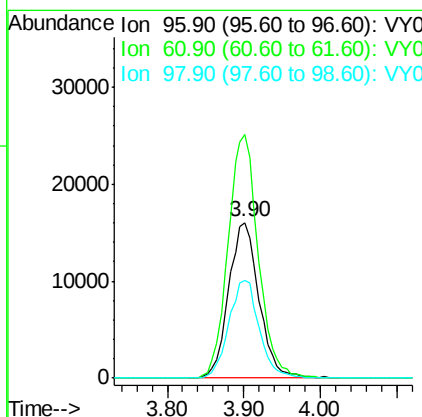
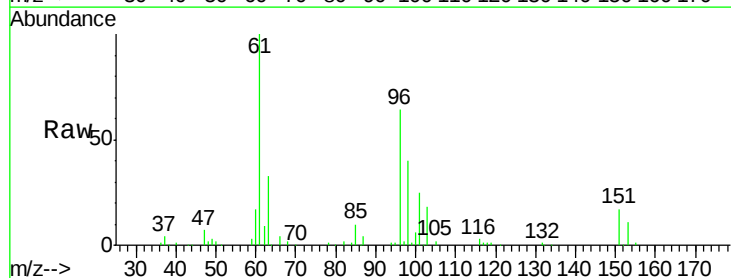
MMDadoda
3/16/2020 11:42:31 AM

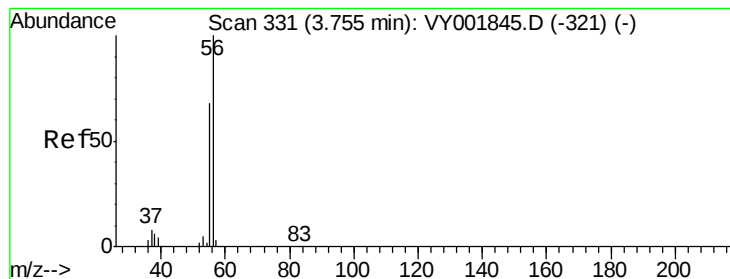


#12

1,1-Dichloroethene
Concen: 20.419 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		44098		
61	156.7		124.8	187.2	
98	62.5		49.2	73.8	





#13

Acrolein

Concen: 85.805 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 56 Resp: 25004

Ion Ratio Lower Upper

56 100

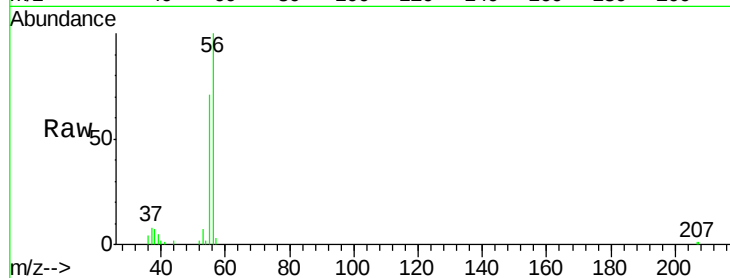
55 70.4 54.0 81.0

Manual Integrations

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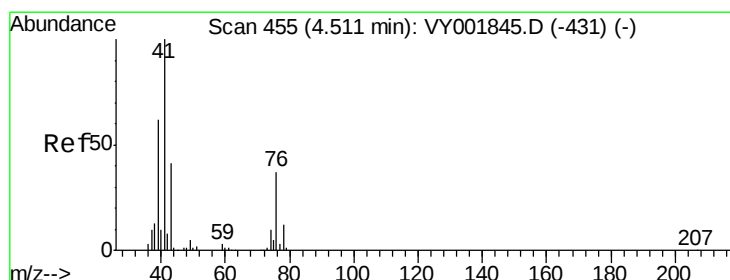
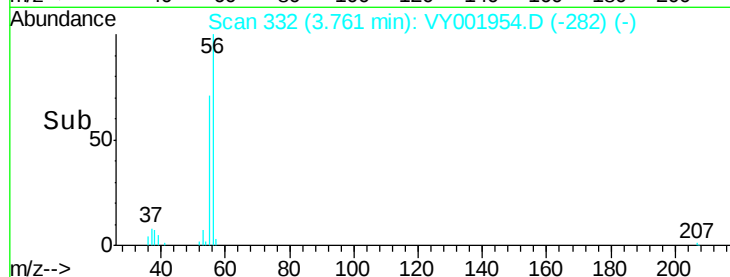
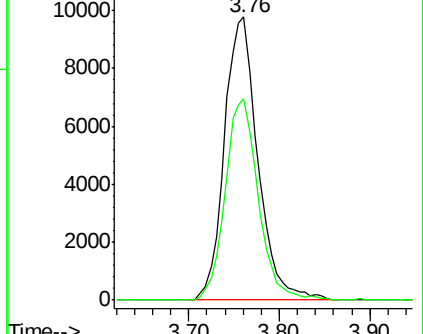
MMDadoda

3/16/2020 11:42:31 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.675 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

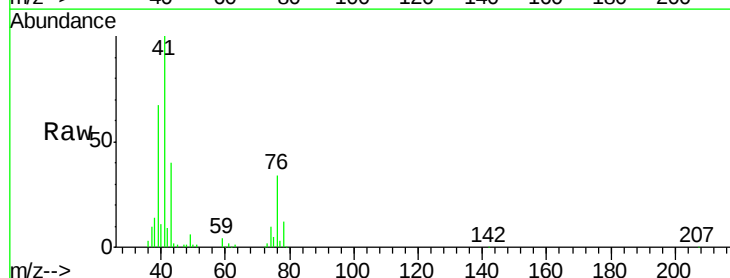
Tgt Ion: 41 Resp: 75329

Ion Ratio Lower Upper

41 100

39 63.6 49.0 73.6

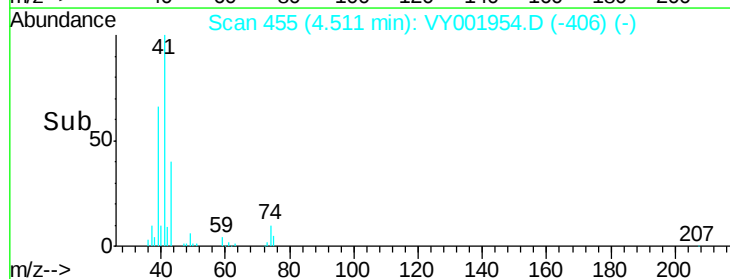
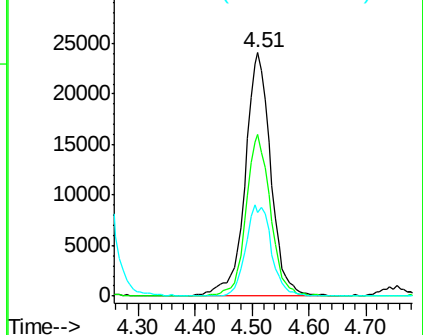
76 37.1 28.9 43.3

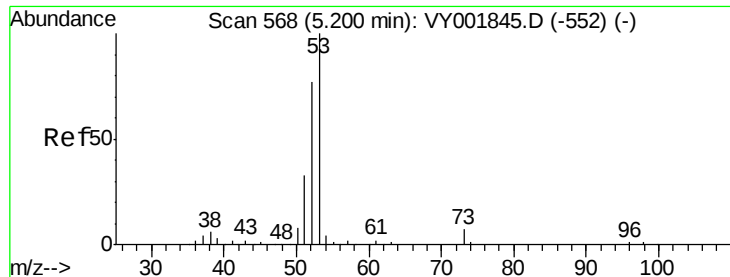


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 94.889 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

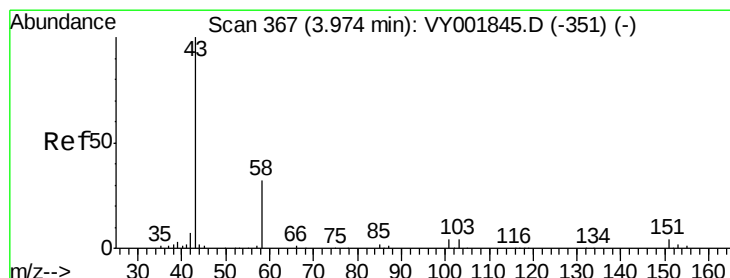
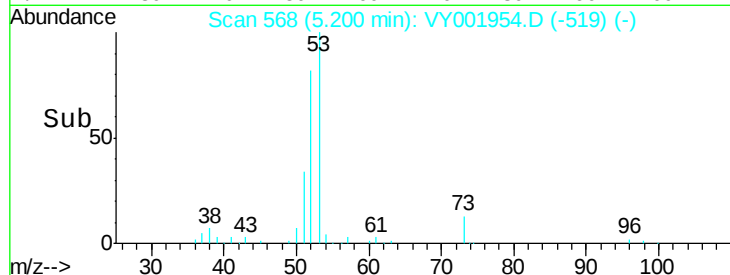
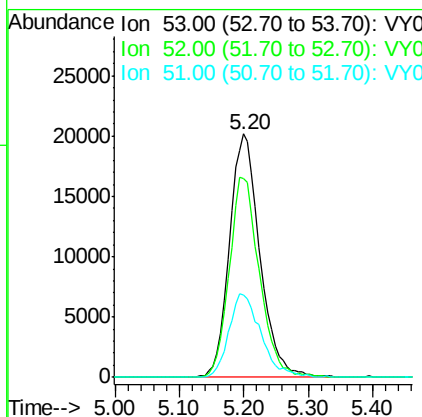
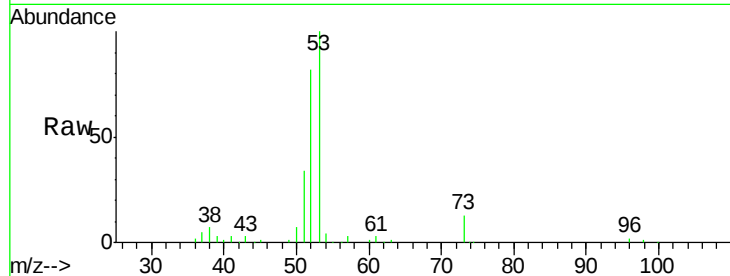
ClientSampleId :

VY0312SBS01

Tot Ion:	53	Resp:	66644
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	35.9	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 95.795 ug/l

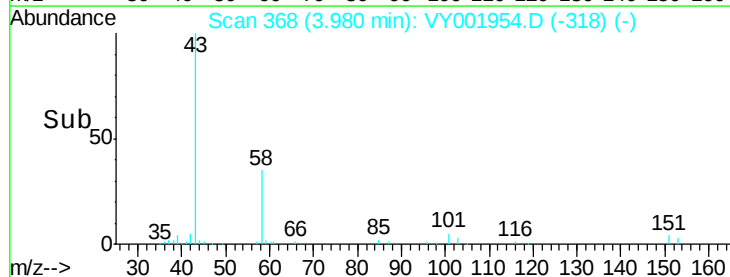
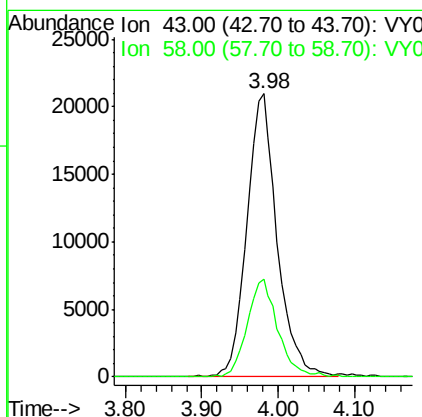
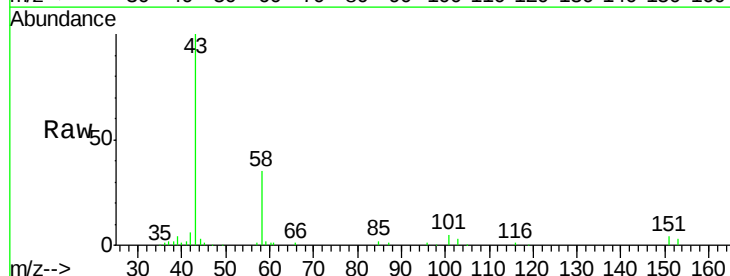
RT: 3.98 min Scan# 368

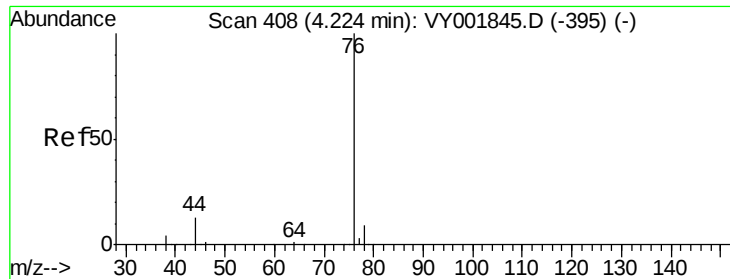
Delta R.T. 0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion:	43	Resp:	57859
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.9	38.9





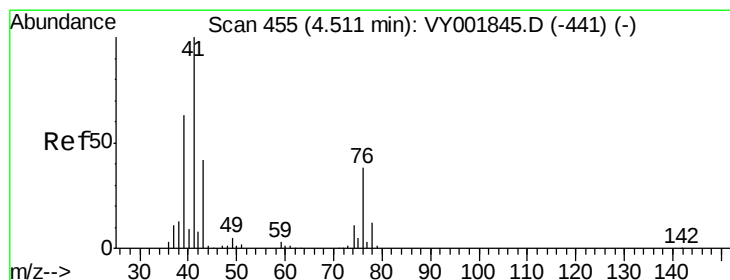
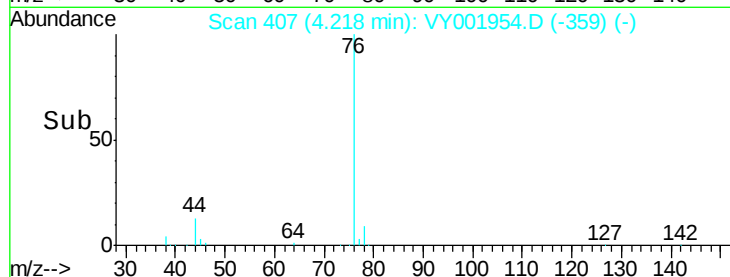
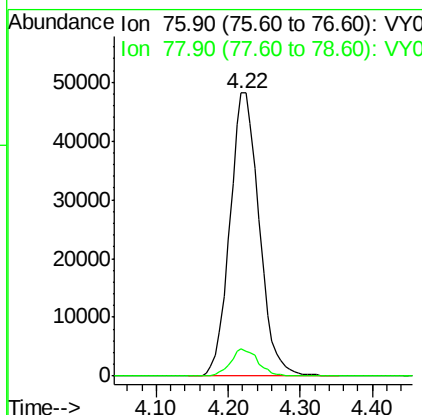
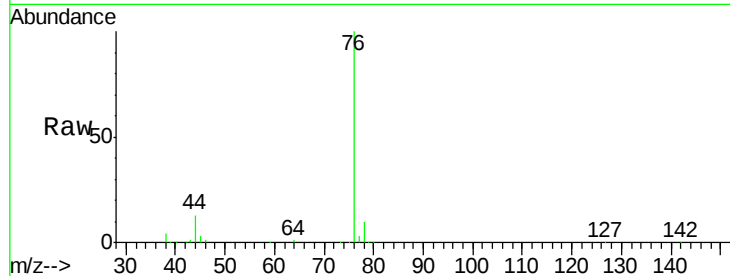
#17
Carbon Disulfide
Concen: 18.775 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

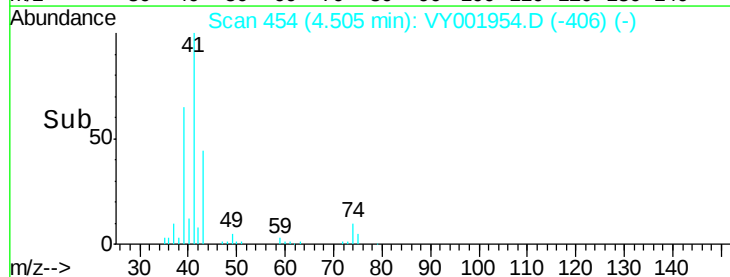
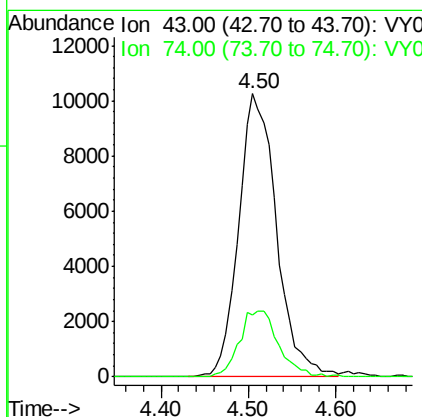
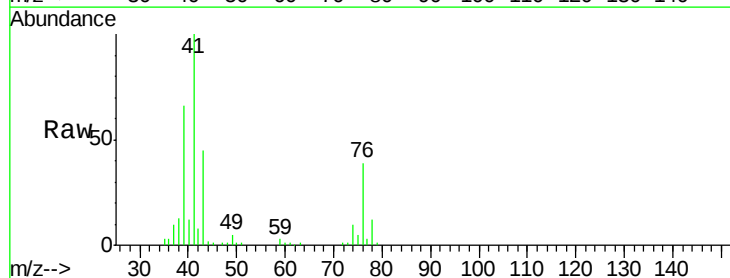
Manual Integrations
APPROVED

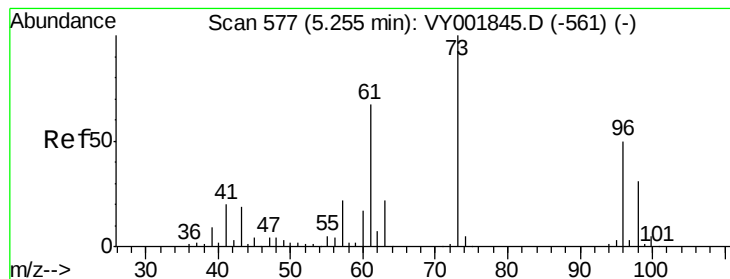
MMDadoda
3/16/2020 11:42:31 AM



#18
Methyl Acetate
Concen: 19.865 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.0	28.6





#19

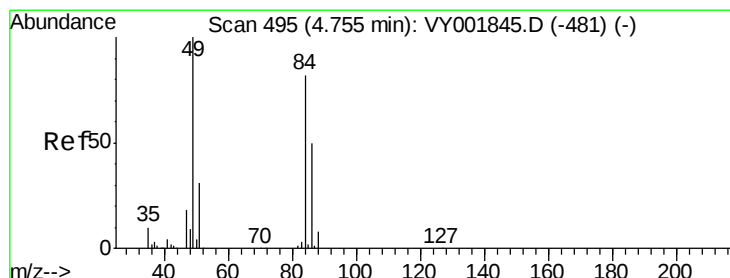
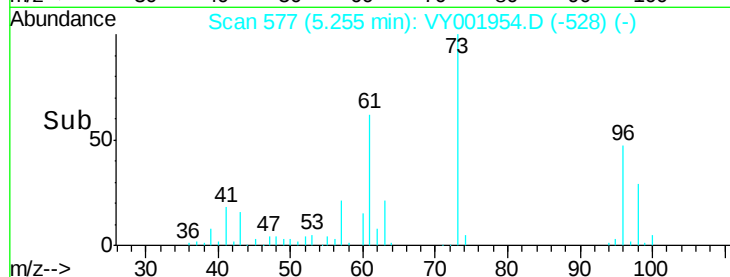
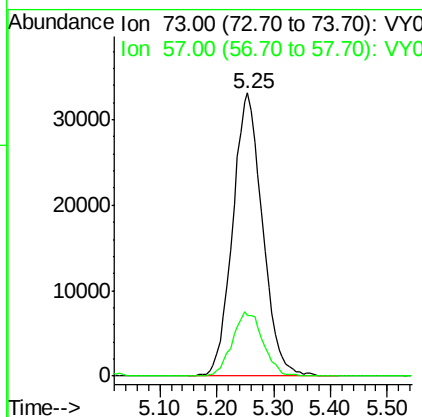
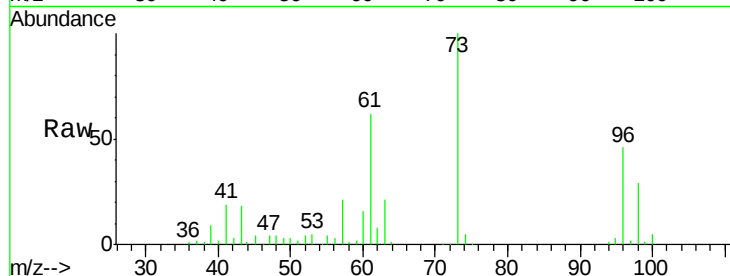
Methyl tert-butyl Ether
 Concen: 20.659 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.2

Manual Integrations
 APPROVED

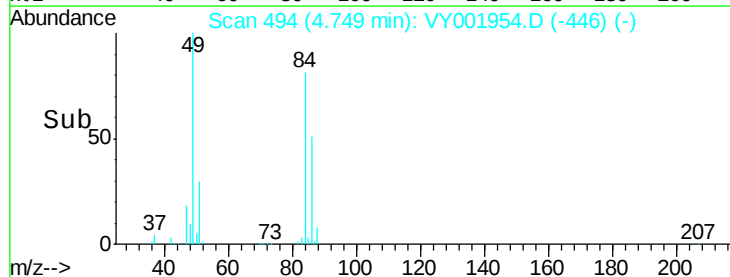
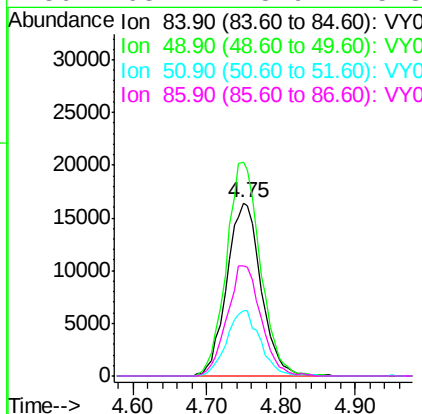
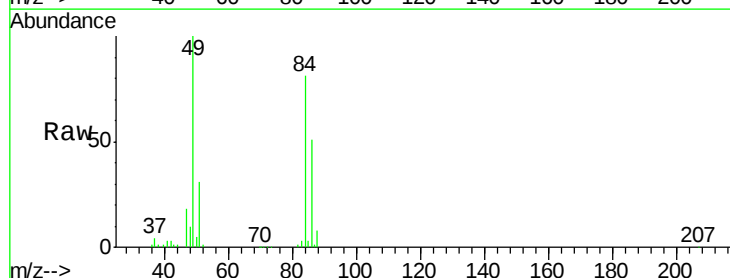
MMDadoda
 3/16/2020 11:42:31 AM



#20

Methylene Chloride
 Concen: 20.405 ug/l
 RT: 4.75 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	98.2	147.2
51	37.8	30.2	45.2
86	63.2	48.9	73.3





#21

trans-1,2-Dichloroethene

Concen: 19.969 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 96 Resp: 48949

Ion Ratio Lower Upper

96 100

61 134.6 107.7 161.5

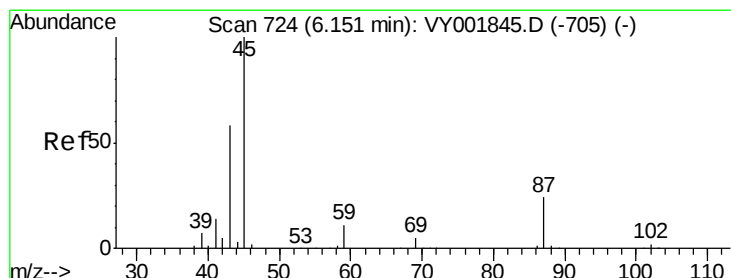
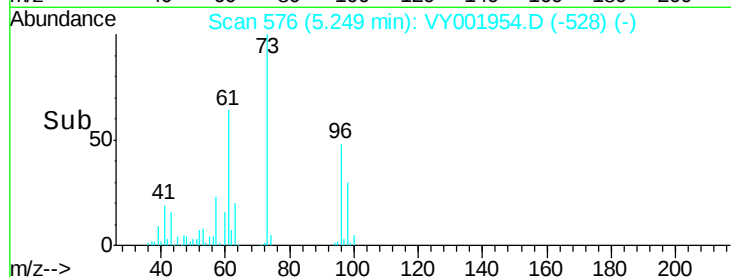
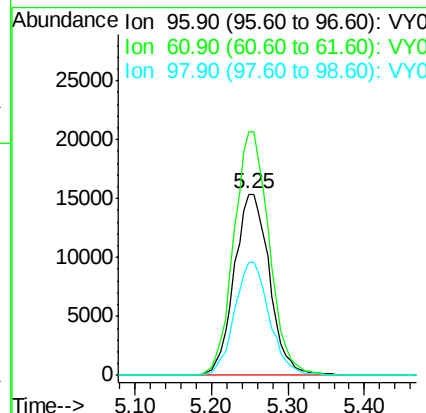
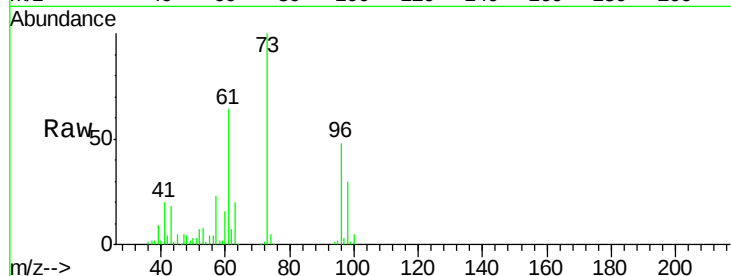
98 62.8 49.3 73.9

Manual Integrations

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3/16/2020 11:42:31 AM



#22

Diisopropyl ether

Concen: 19.681 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion: 45 Resp: 154460

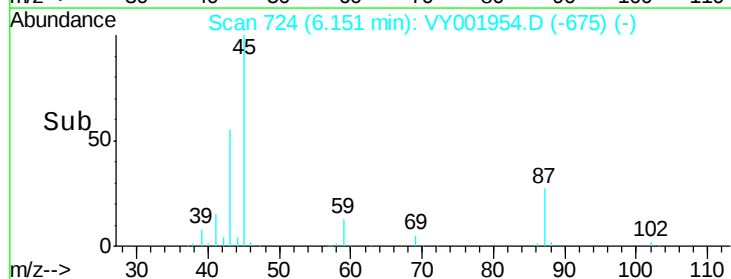
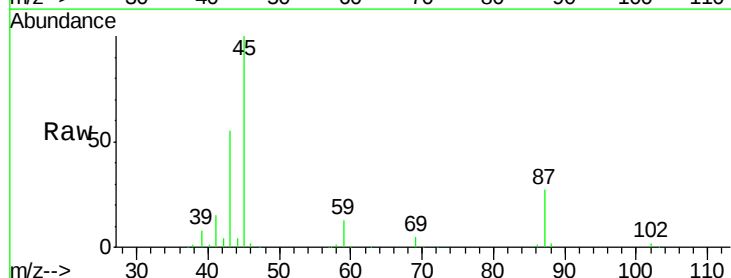
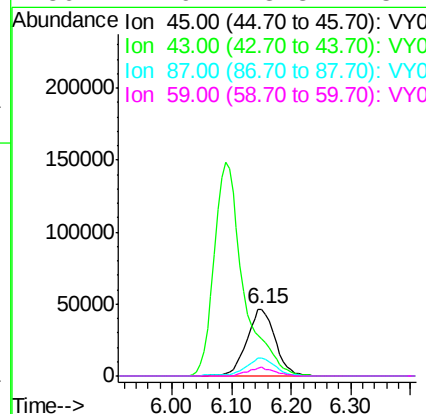
Ion Ratio Lower Upper

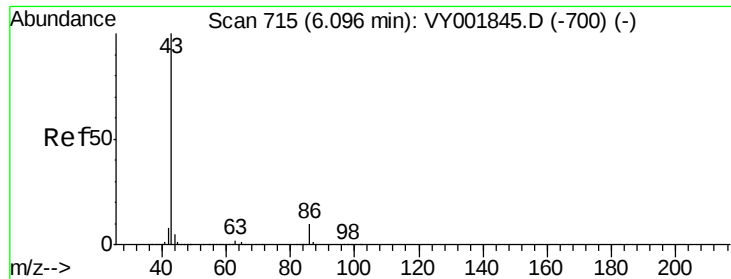
45 100

43 55.1 47.2 70.8

87 26.5 19.8 29.8

59 12.9 8.8 13.2





#23

Vinyl Acetate

Concen: 97.509 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 43 Resp: 501680

Ion Ratio Lower Upper

43 100

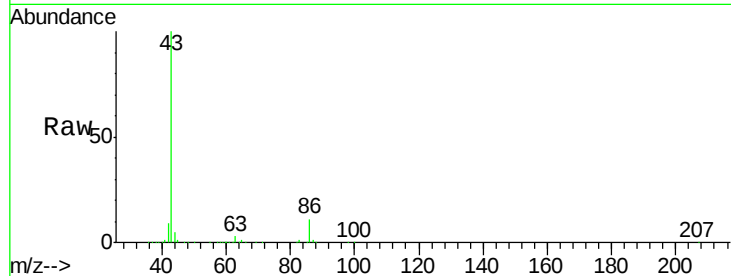
86 10.8 7.8 11.8

Manual Integrations

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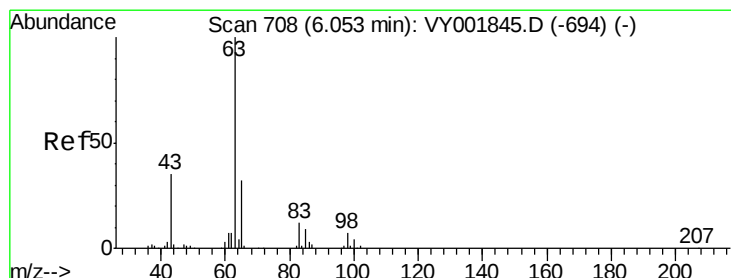
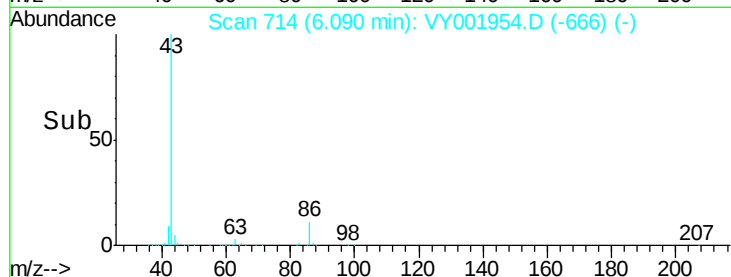
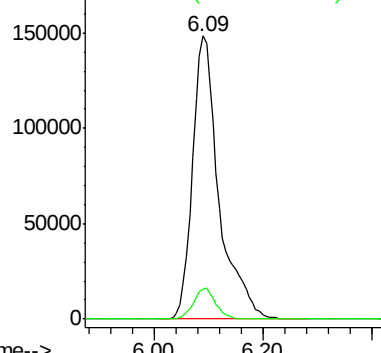
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.055 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

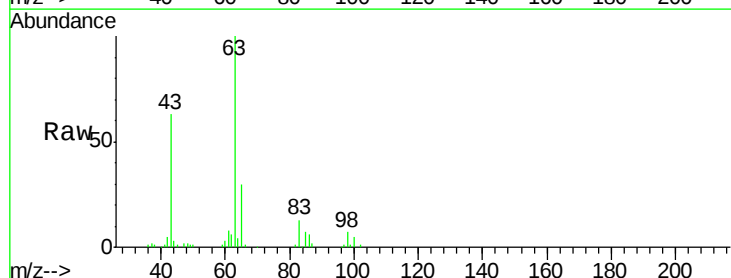
Tgt Ion: 63 Resp: 85233

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

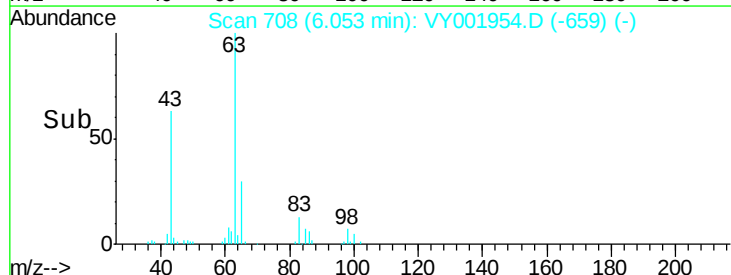
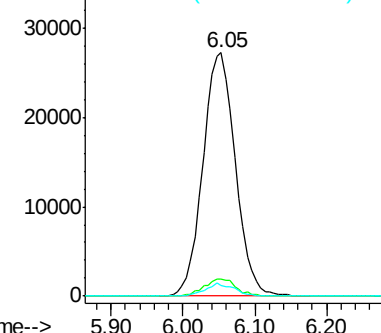
100 4.5 2.0 6.0

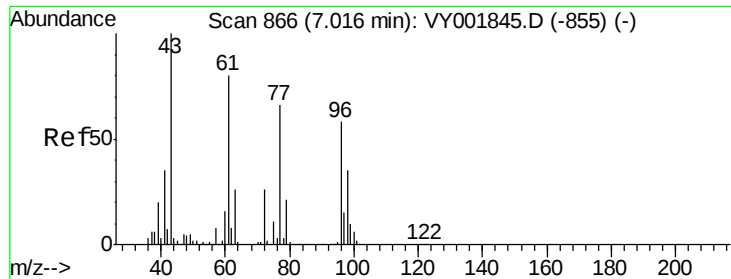


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 96.931 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 43 Resp: 89031

Ion Ratio Lower Upper

43 100

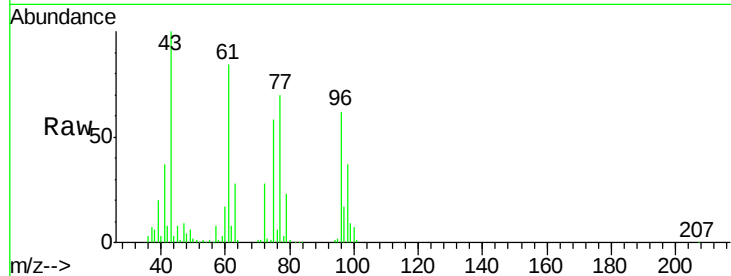
72 28.2 20.9 31.3

Manual Integrations

APPROVED

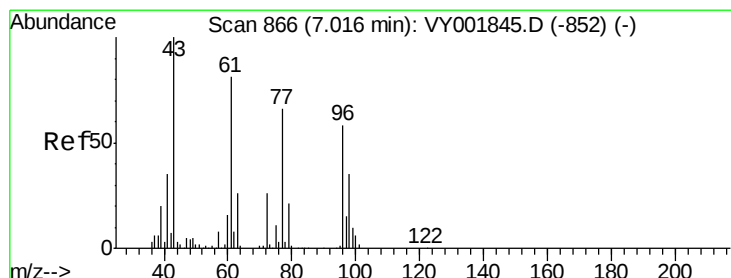
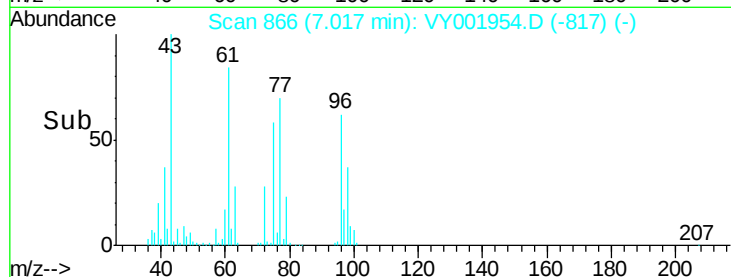
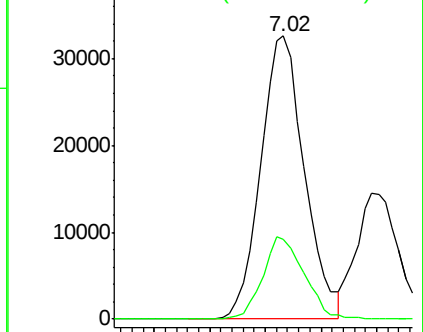
MMDadoda

3/16/2020 11:42:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 21.275 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001954.D

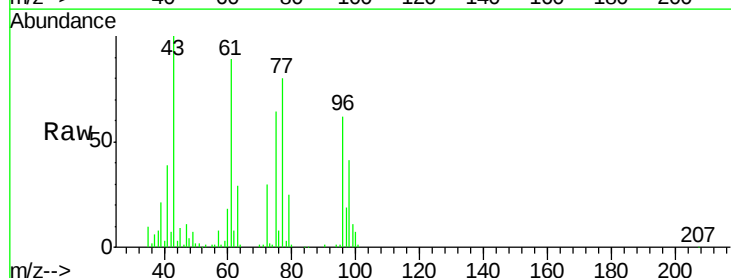
Acq: 12 Mar 2020 11:21

Tgt Ion: 77 Resp: 74213

Ion Ratio Lower Upper

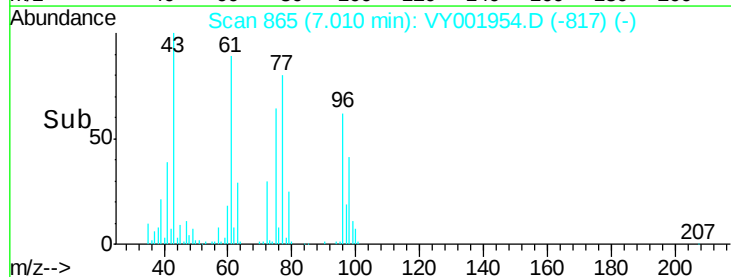
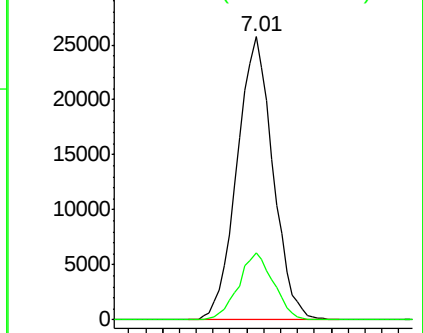
77 100

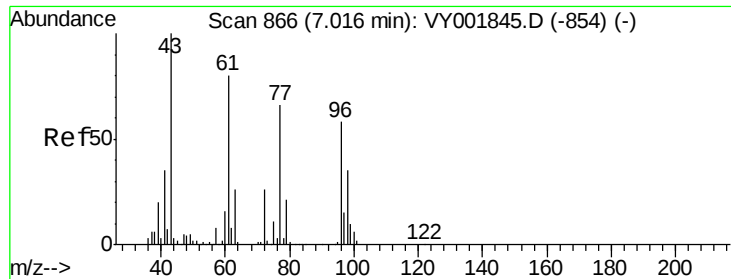
97 23.1 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

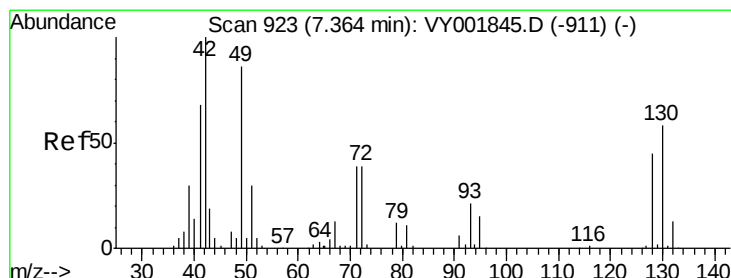
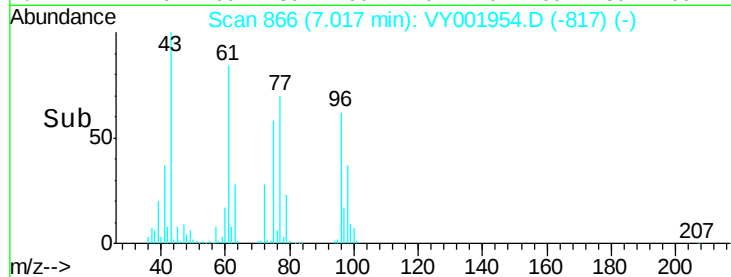
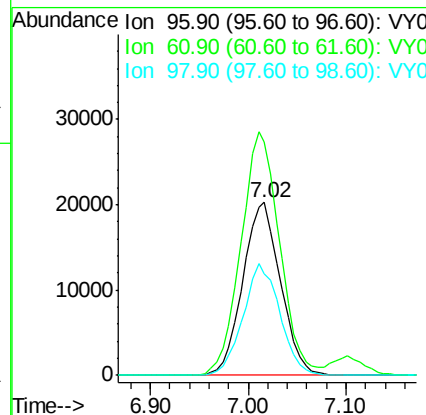
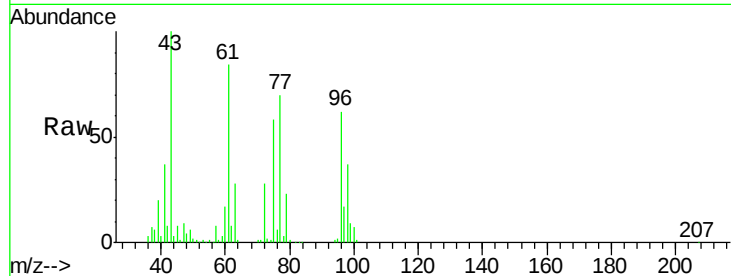
cis-1,2-Dichloroethene
Concen: 20.395 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	288.2
98	63.1	0.0	129.0

Manual Integrations
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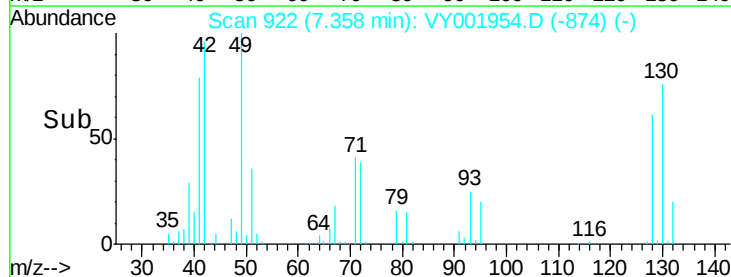
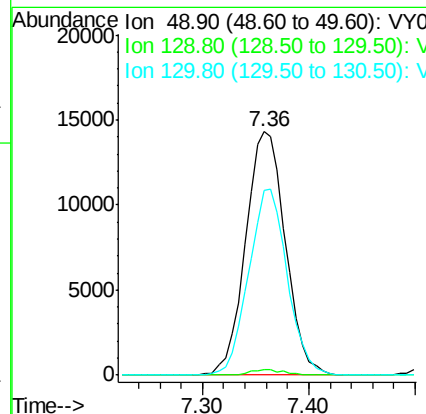
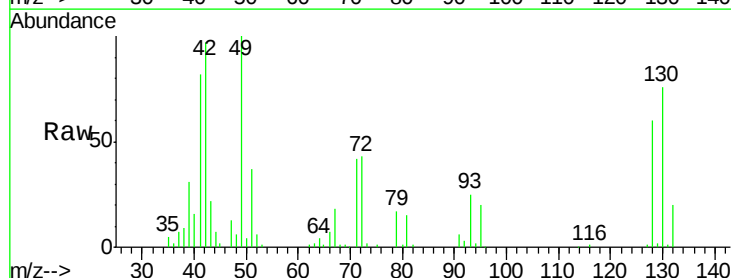
MMDadoda
3/16/2020 11:42:31 AM

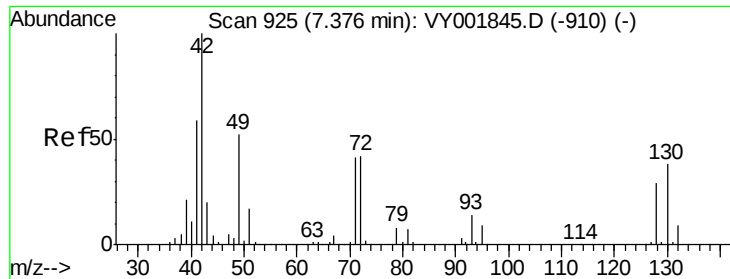


#28

Bromochloromethane
Concen: 19.547 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	74.3	54.4	81.6





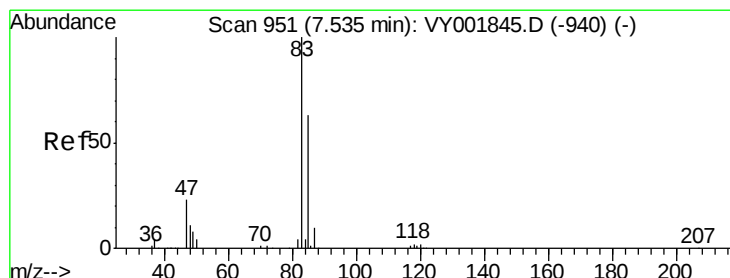
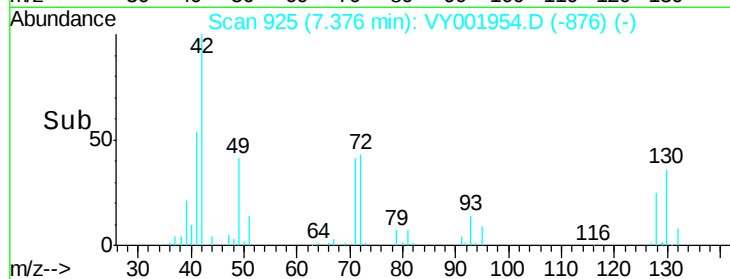
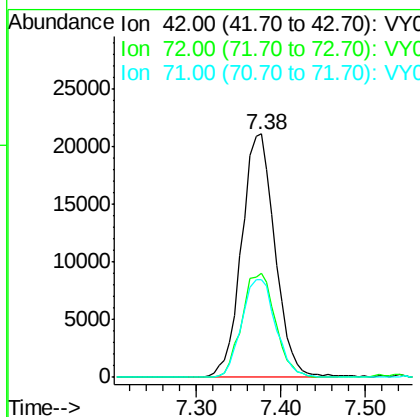
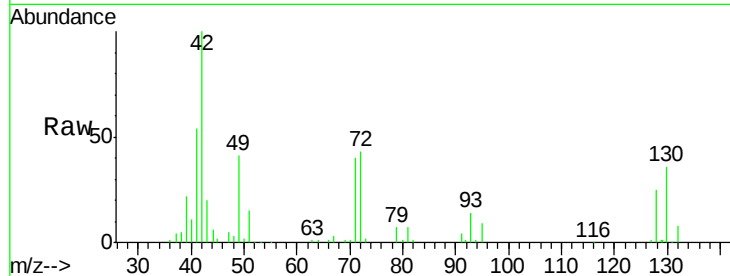
#29
Tetrahydrofuran
Concen: 92.884 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.5	50.3
71	40.9	31.3	46.9

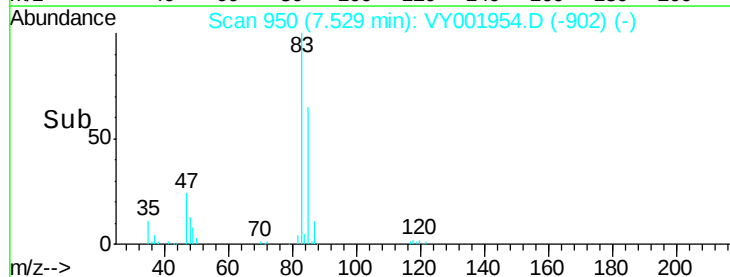
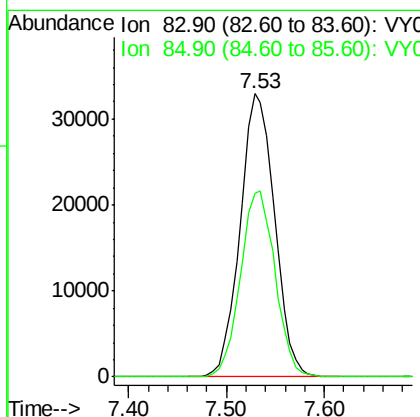
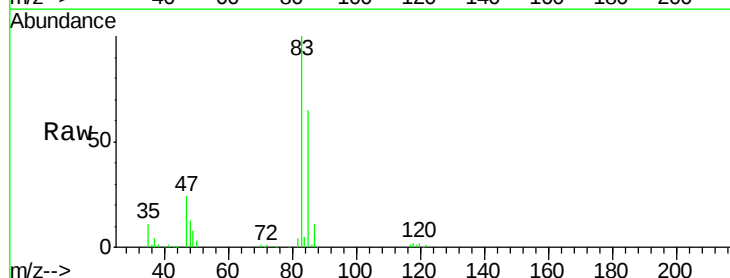
Manual Integrations
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#30
Chloroform
Concen: 20.248 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.7	76.1





#31

Cyclohexane

Concen: 18.862 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 56 Resp: 85952

Ion Ratio Lower Upper

56 100

69 38.1 26.7 40.1

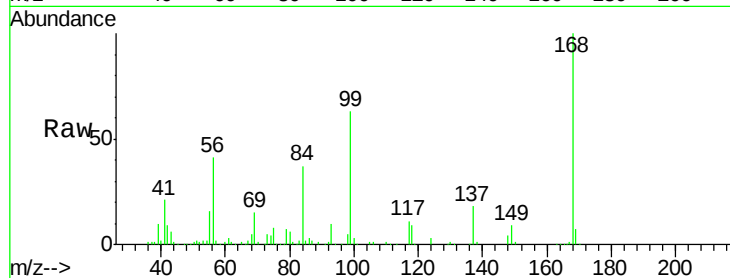
84 90.6 70.4 105.6

Manual Integrations

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MMDadoda

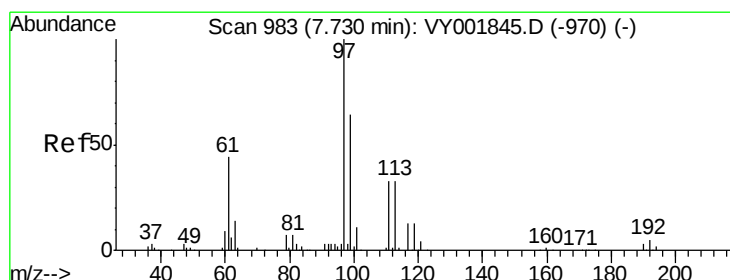
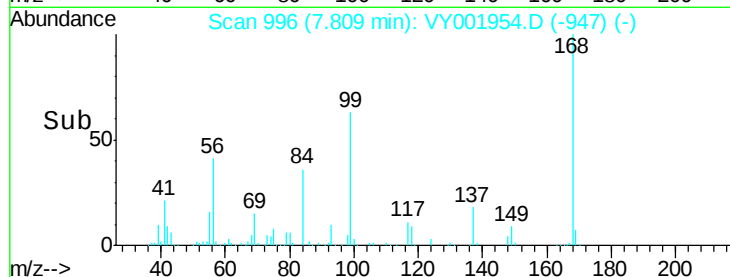
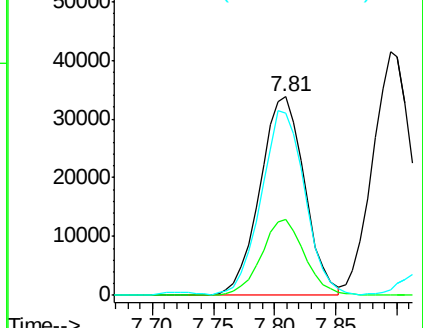
3/16/2020 11:42:31 AM



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: 20.360 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

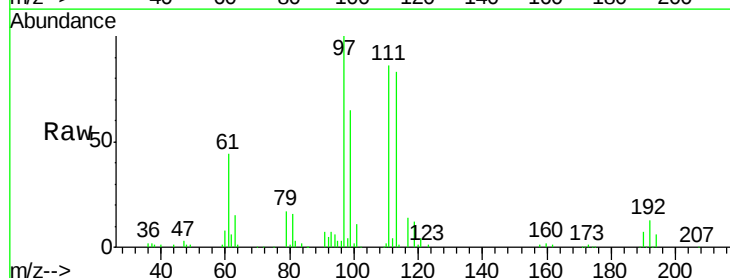
Tgt Ion: 97 Resp: 68522

Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

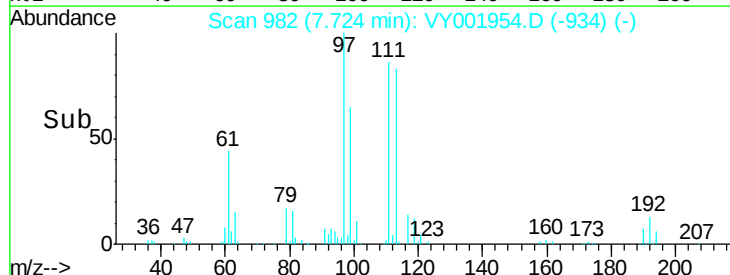
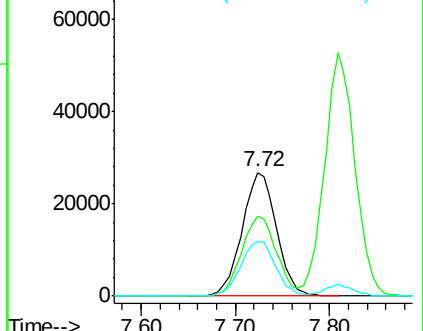
61 45.1 35.0 52.4

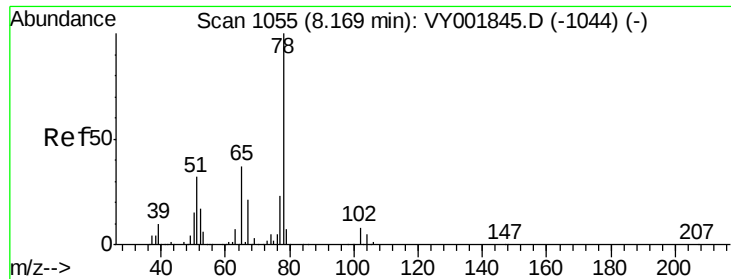


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





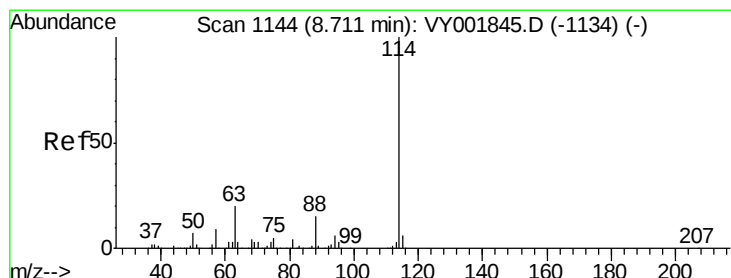
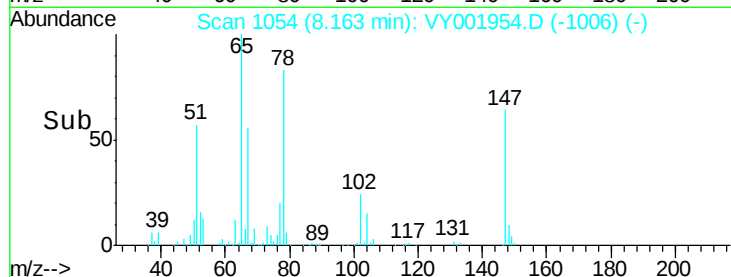
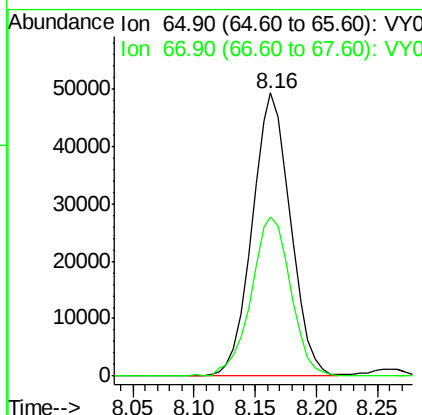
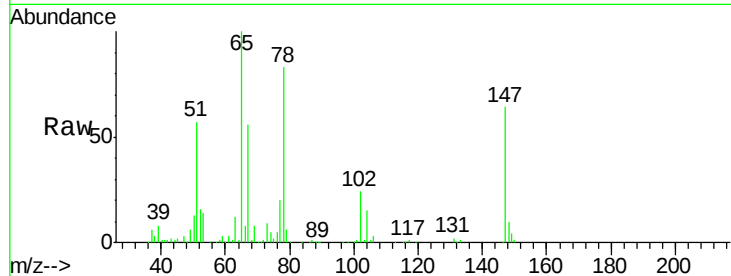
#33
 1,2-Dichloroethane-d4
 Concen: 51.618 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107041		
67	58.1	0.0	110.8	

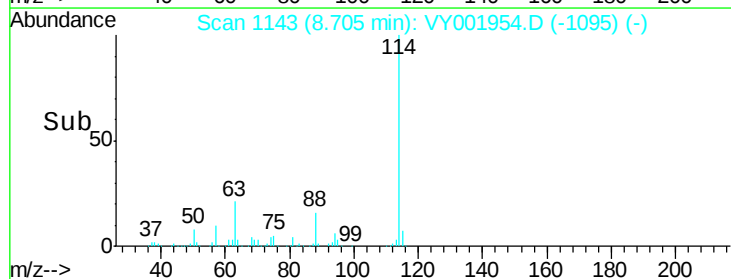
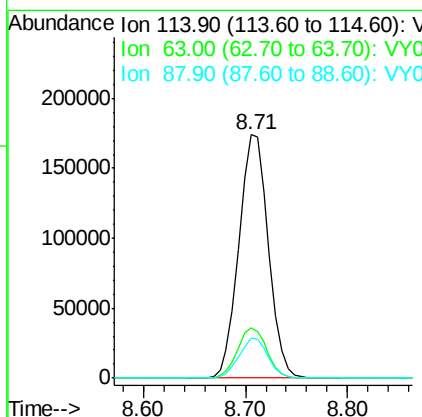
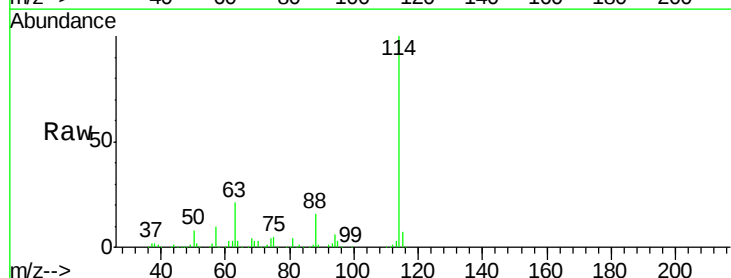
Manual Integrations
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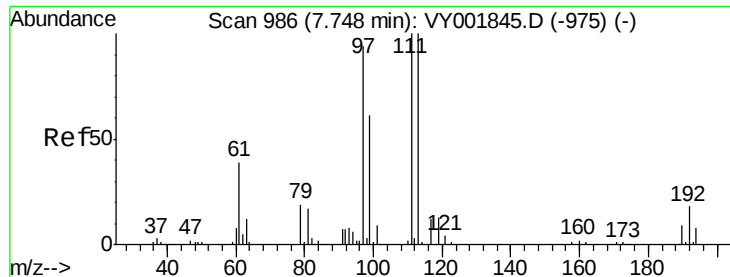
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349274		
63	20.8	0.0	39.4	
88	16.2	0.0	30.4	





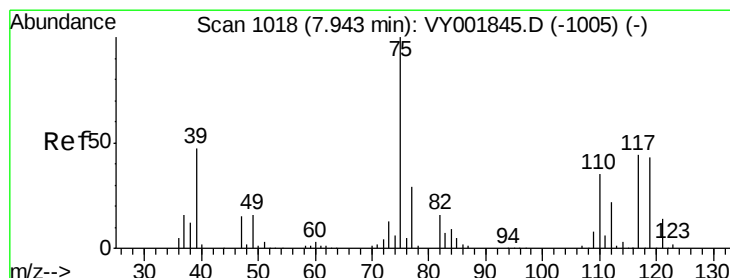
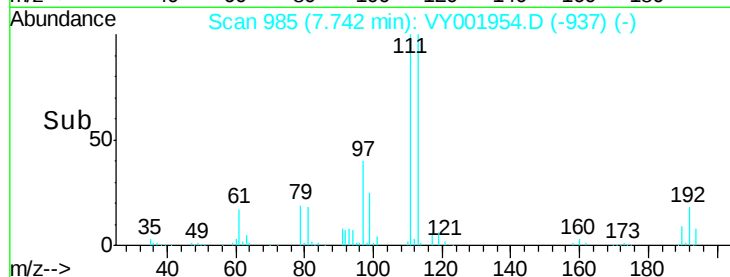
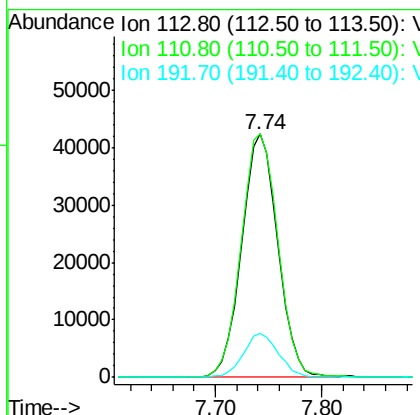
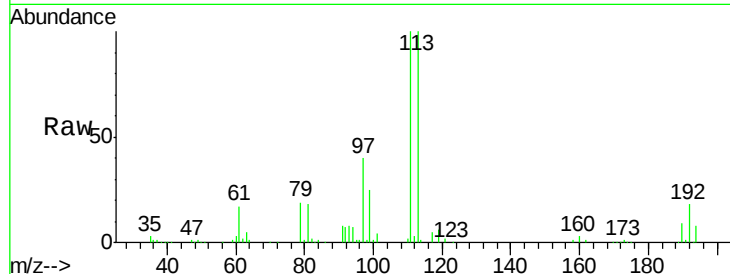
#35
Dibromofluoromethane
Concen: 52.952 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100989		
111	102.2		81.8	122.8
192	17.7		14.2	21.2

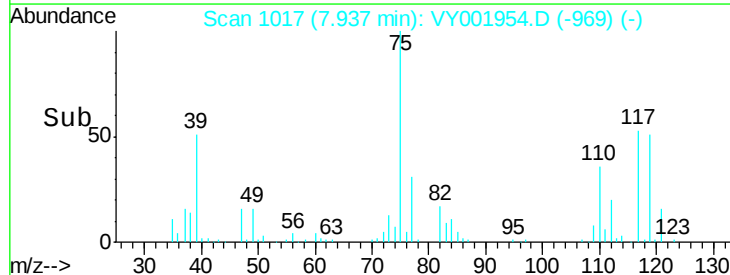
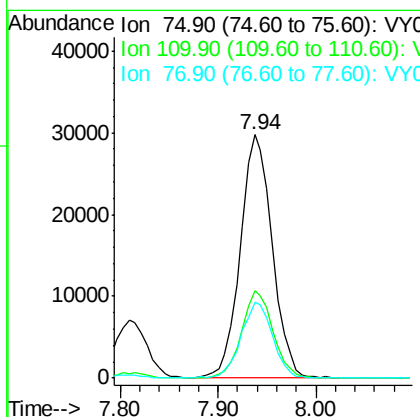
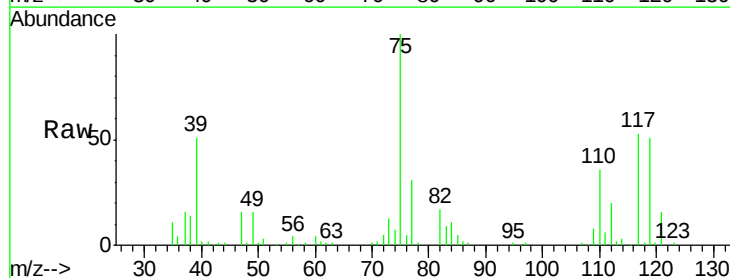
Manual Integrations
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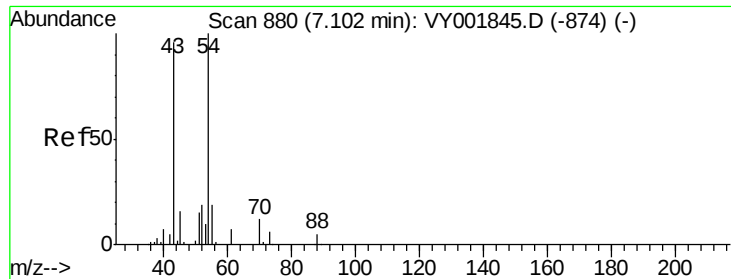
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#36
1,1-Dichloropropene
Concen: 20.026 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67308		
110	35.2		17.4	52.2
77	31.2		24.2	36.2





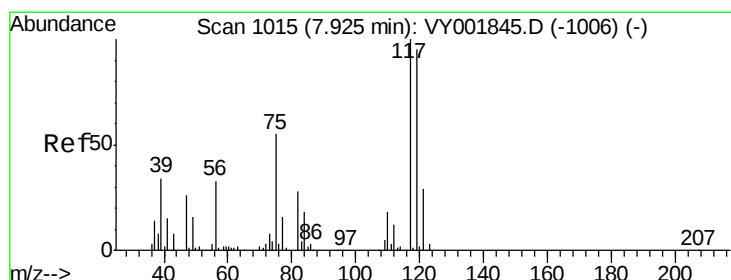
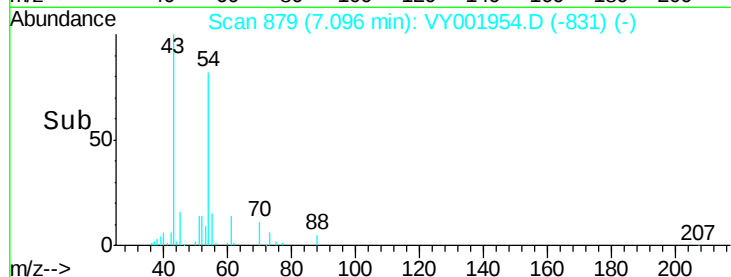
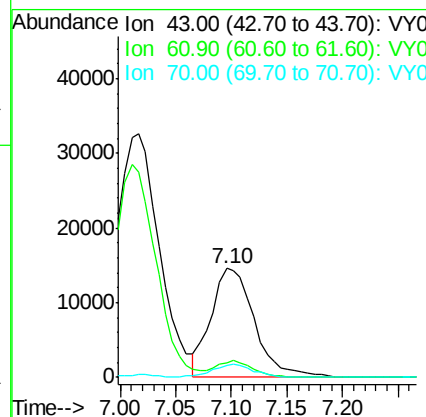
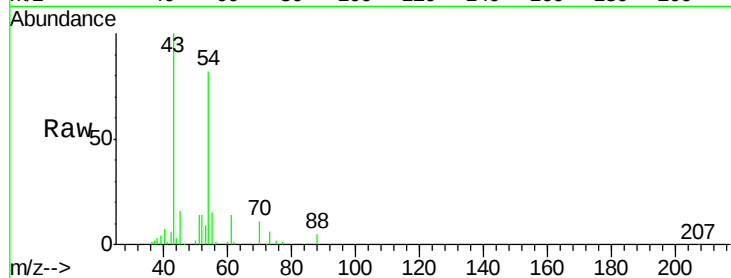
#37
Ethyl Acetate
Concen: 20.068 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	11.5	8.2	12.4

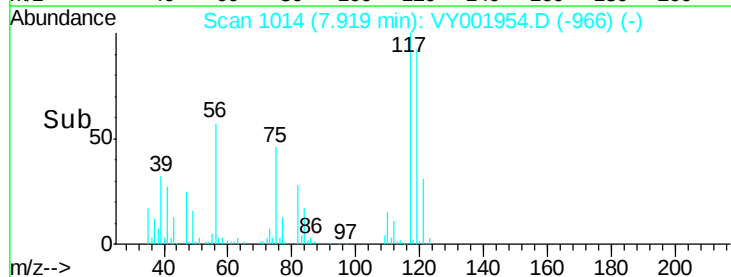
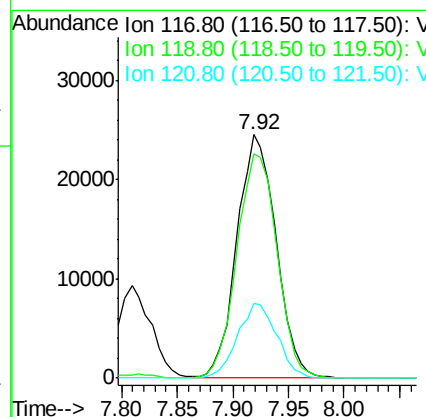
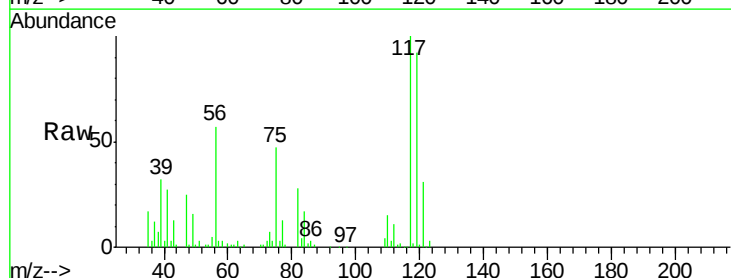
Manual Integrations
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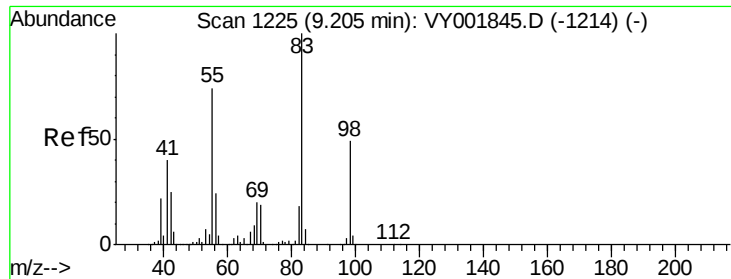
MMDadoda
3/16/2020 11:42:31 AM



#38
Carbon Tetrachloride
Concen: 20.910 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.3	114.5
121	30.7	23.5	35.3





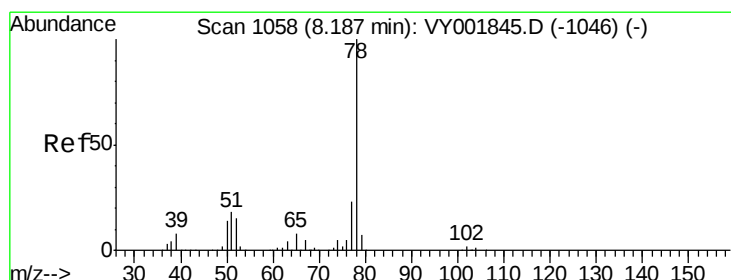
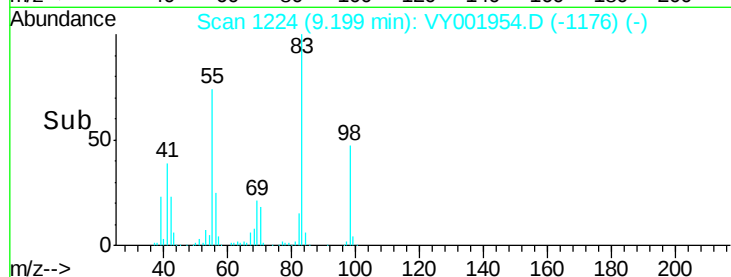
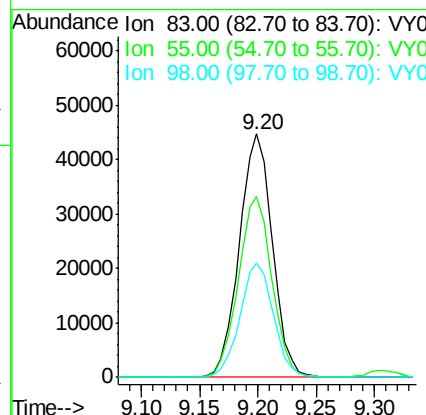
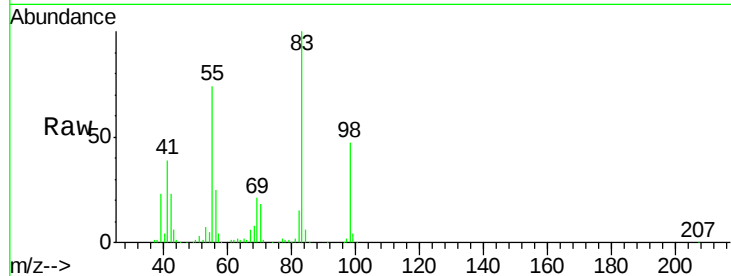
#39
Methvlcvclohexane
Concen: 19.872 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	59.4	89.0
98	47.0	38.9	58.3

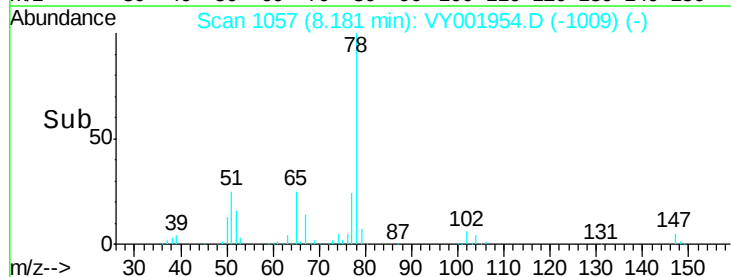
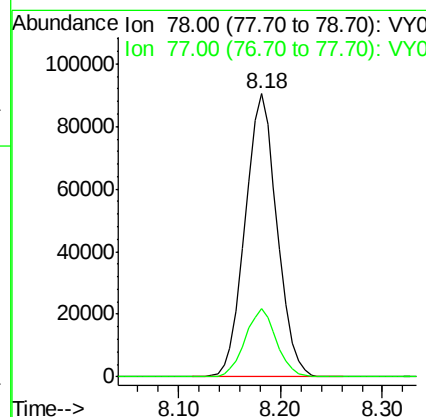
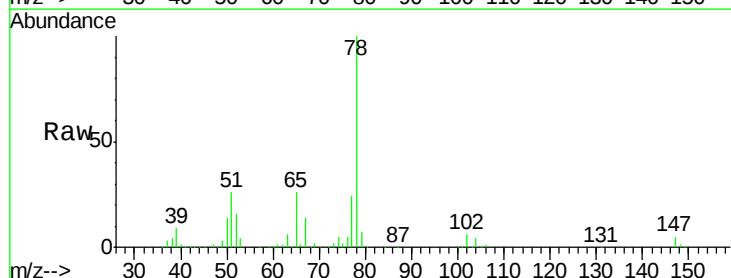
Manual Integrations
APPROVED

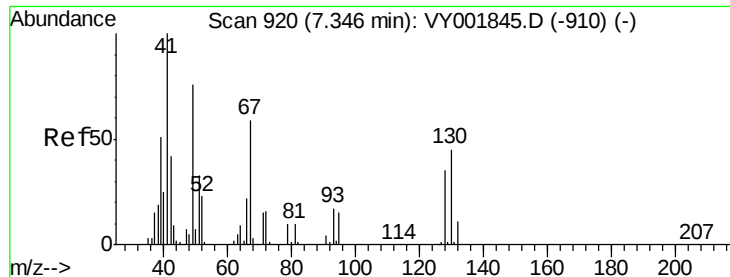
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#40
Benzene
Concen: 19.667 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





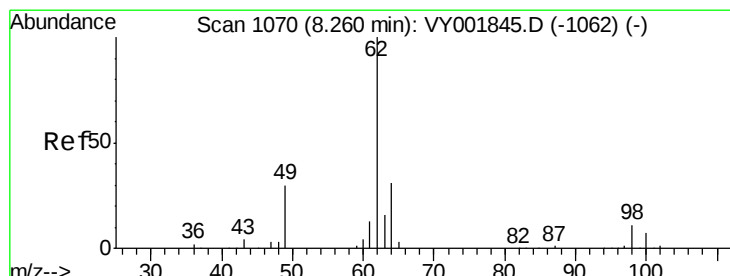
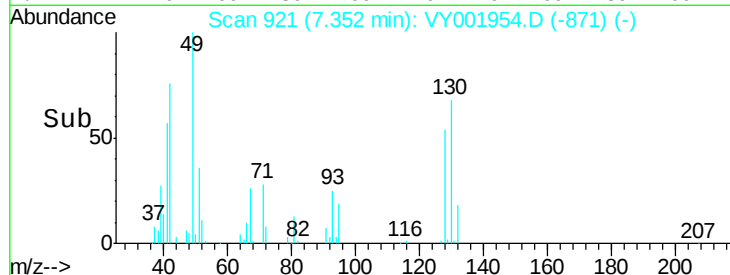
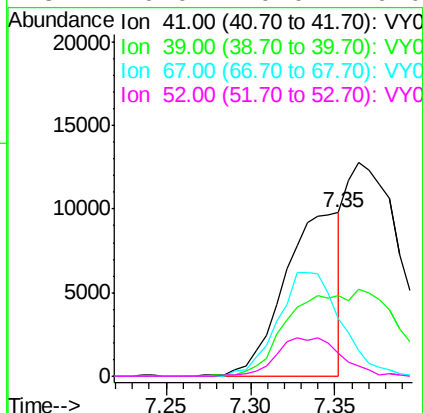
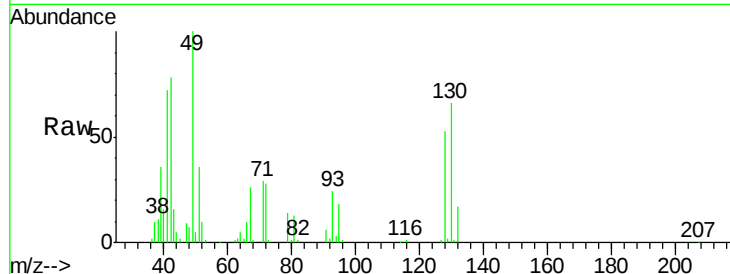
#41
Methacrylonitrile
Concen: 25.748 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	101.6	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

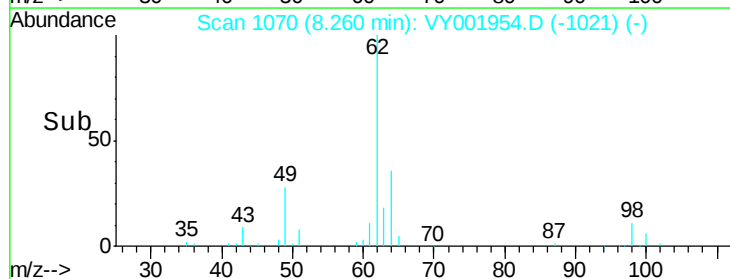
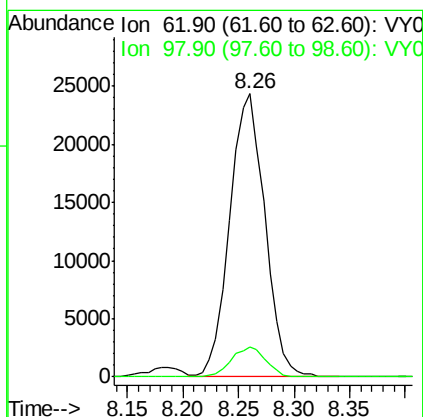
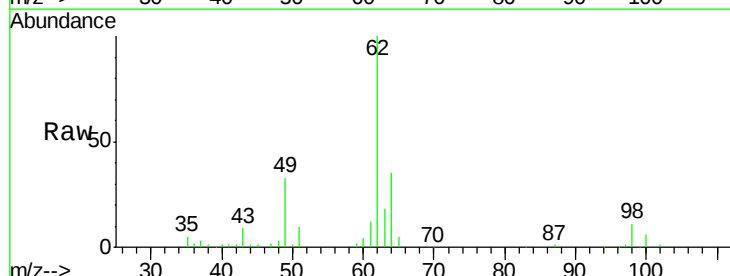
Manual Integrations
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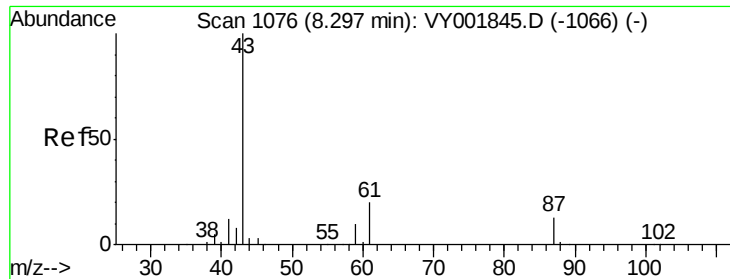
MMDadoda
3/16/2020 11:42:31 AM



#42
1,2-Dichloroethane
Concen: 20.801 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4





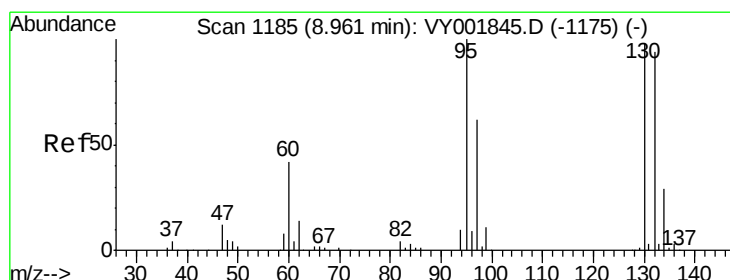
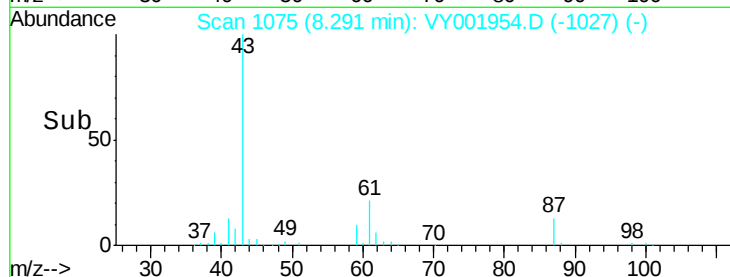
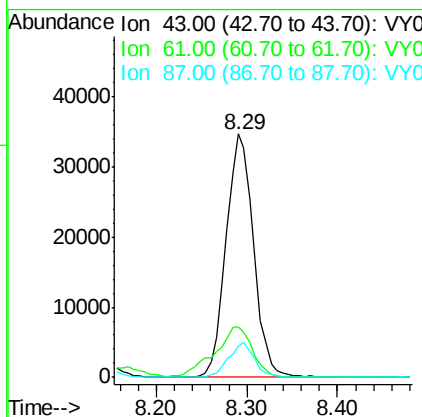
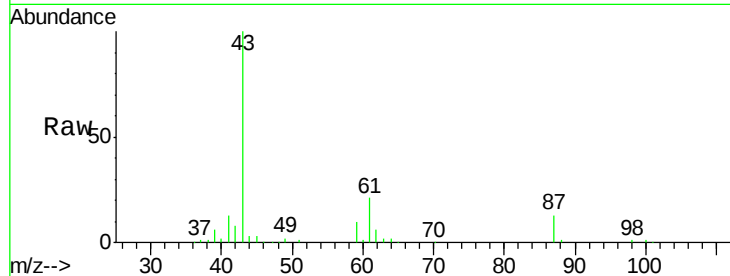
#43
Isopropyl Acetate
Concen: 19.727 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.8	35.6
87	13.3	10.9	16.3

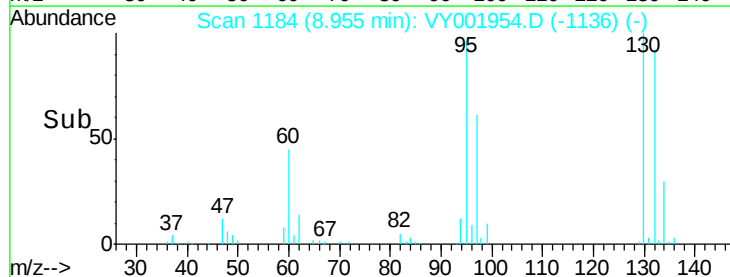
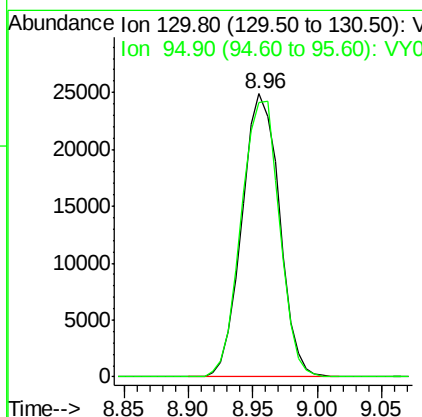
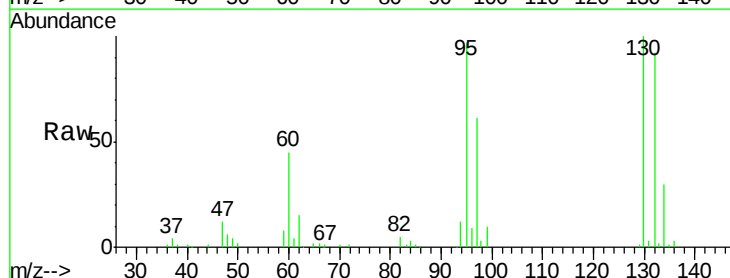
Manual Integrations
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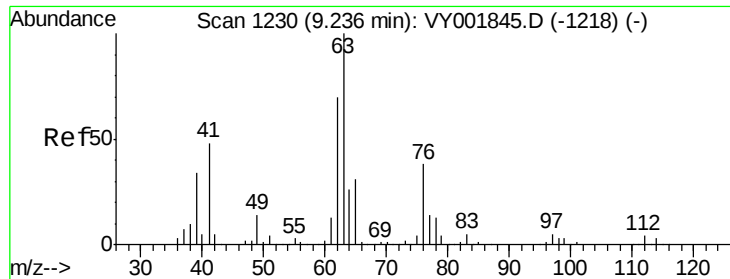
MMDadoda
3/16/2020 11:42:31 AM



#44
Trichloroethene
Concen: 20.634 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	204.6





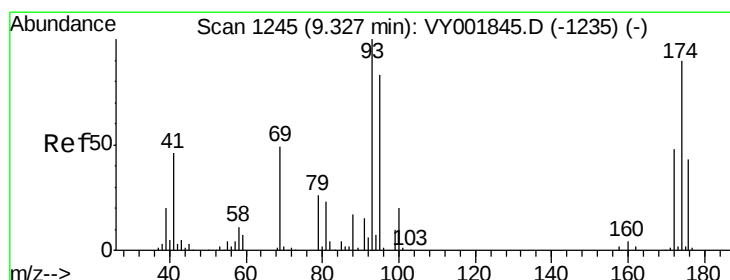
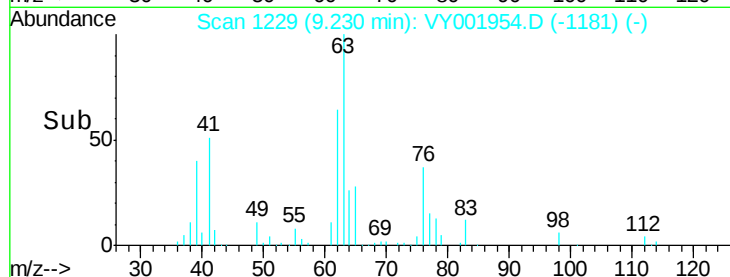
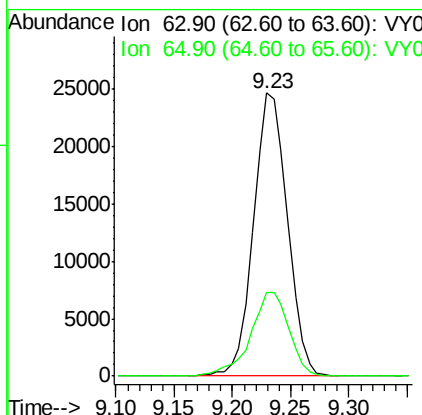
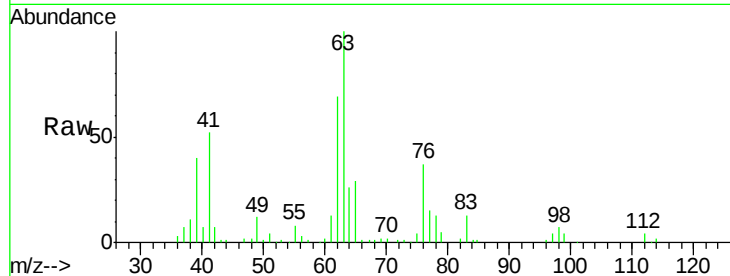
#45
 1,2-Dichloropropane
 Concen: 19.872 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion: 63 Resp: 49765
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.9 37.3

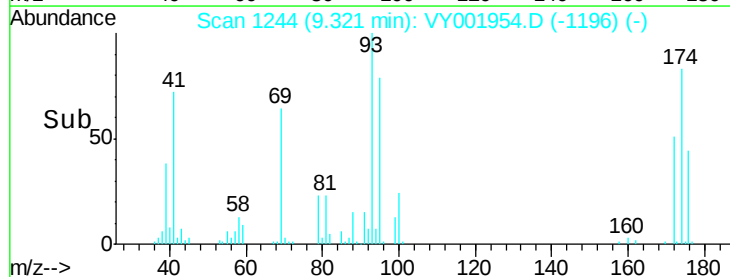
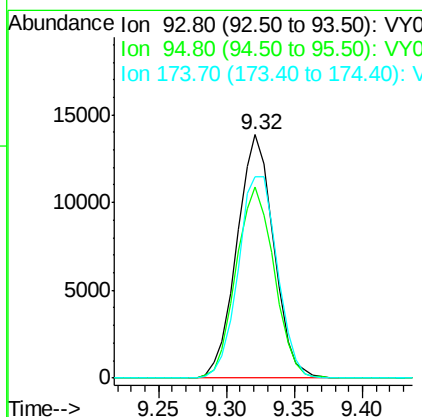
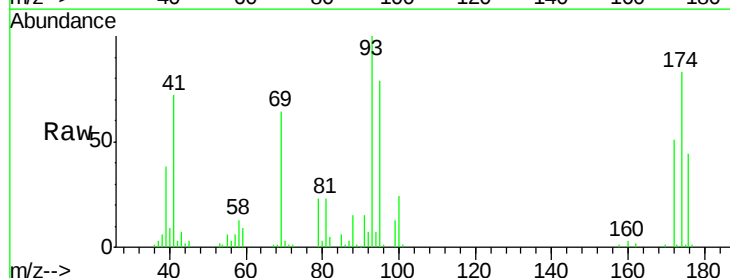
Manual Integrations
 APPROVED

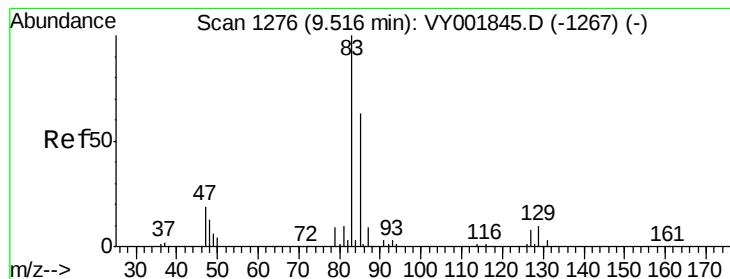
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#46
 Dibromomethane
 Concen: 20.384 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion: 93 Resp: 26307
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.0 100.4
 174 87.9 71.8 107.8





#47

Bromodichloromethane

Concen: 20.856 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

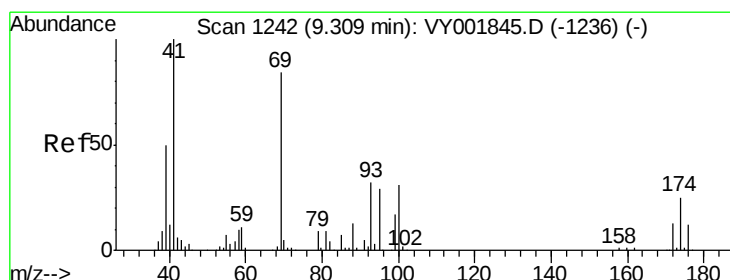
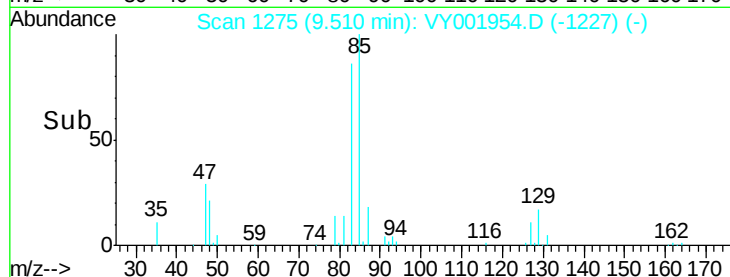
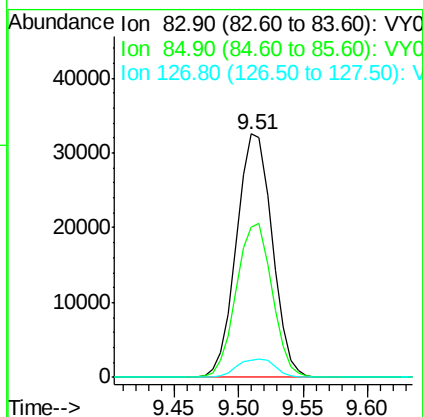
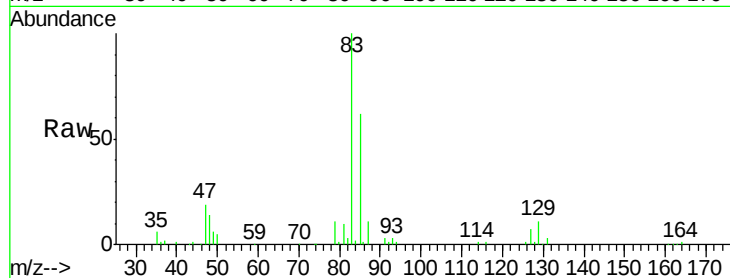
ClientSampleId :

VY0312SBS01

Tot Ion:	83	Resp:	62611
Ion Ratio	Lower	Upper	
83	100		
85	61.8	50.6	76.0
127	6.9	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.036 ug/l

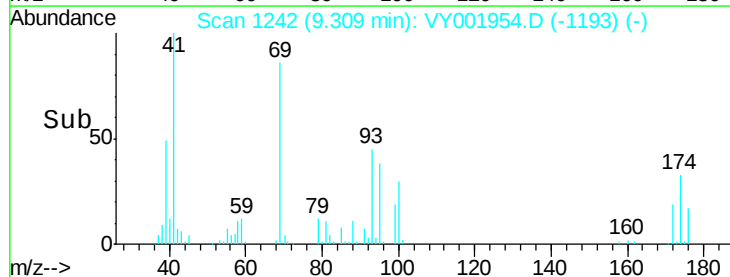
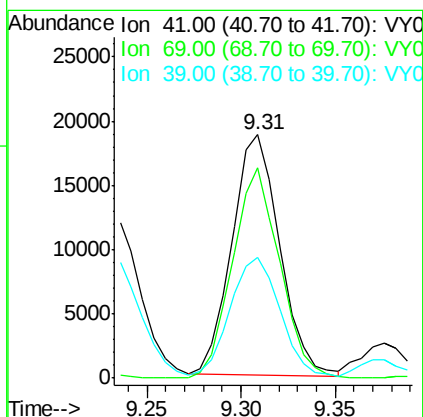
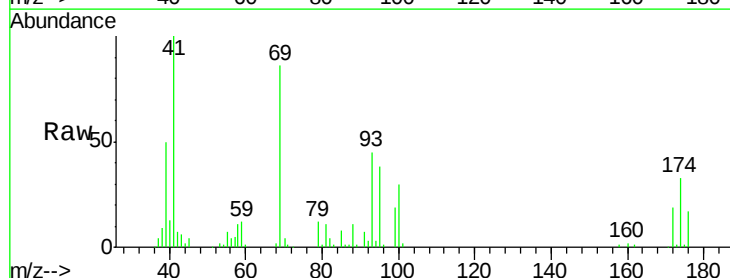
RT: 9.31 min Scan# 1242

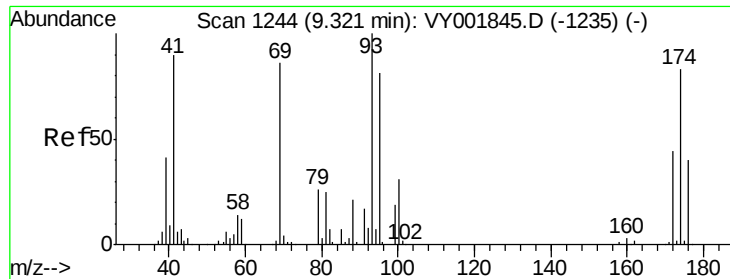
Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion:	41	Resp:	32881
Ion Ratio	Lower	Upper	
41	100		
69	86.5	69.0	103.6
39	51.3	39.1	58.7





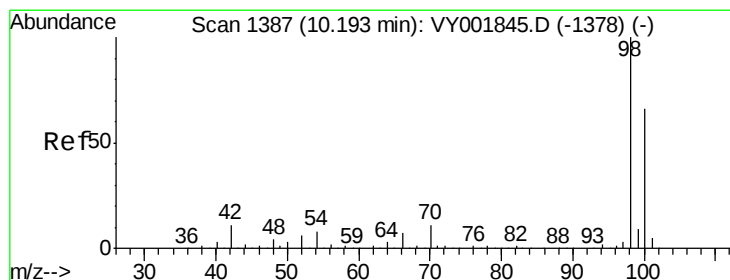
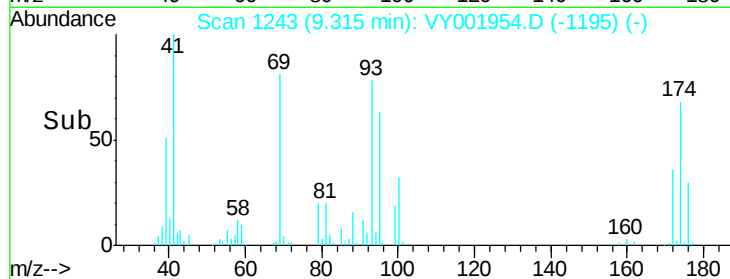
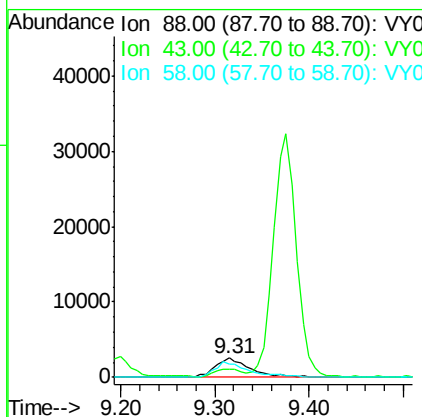
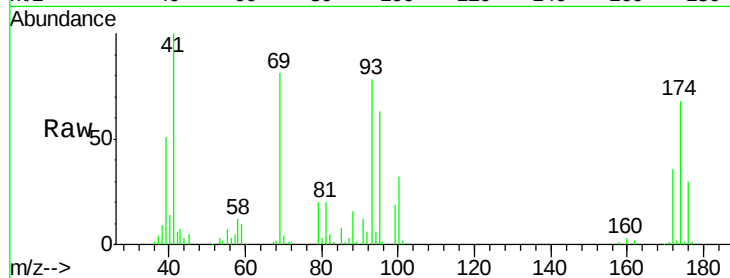
#49
1,4-Dioxane
Concen: 370.456 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.0	37.6
58	81.2	58.9	88.3

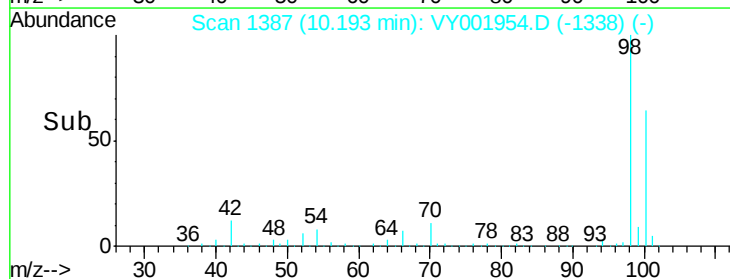
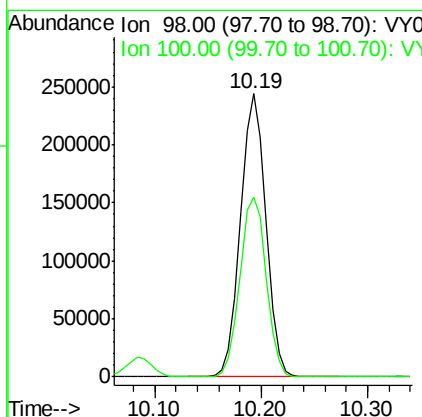
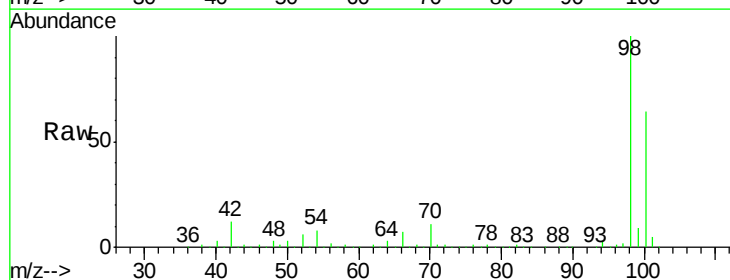
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#50
Toluene-d8
Concen: 50.945 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4





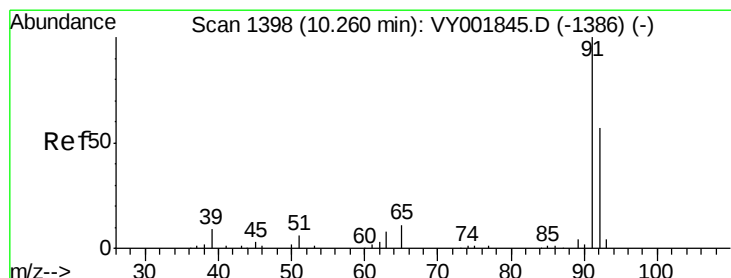
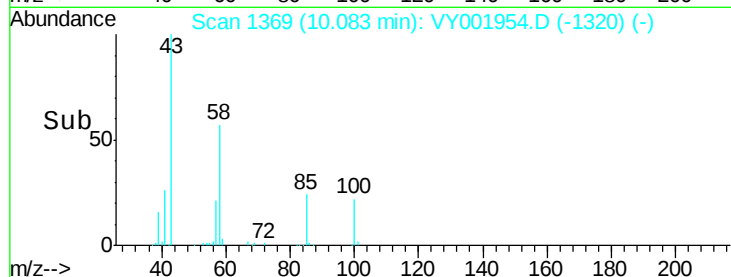
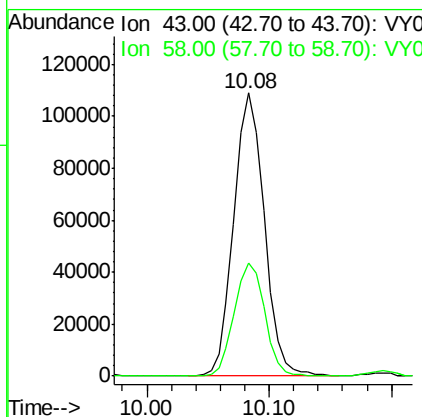
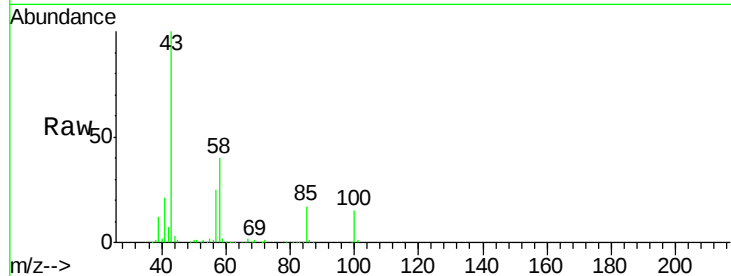
#51
4-Methyl-2-Pentanone
Concen: 99.181 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	43	58	Ratio	Lower	Upper
188936	100	40.0		32.0	48.0

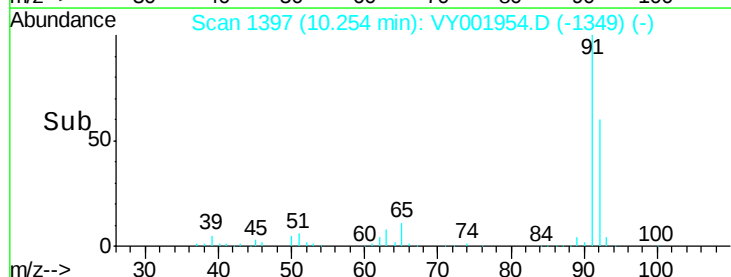
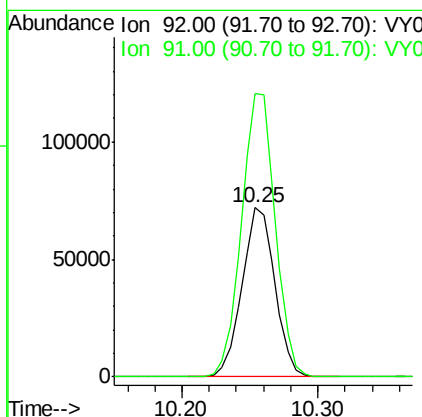
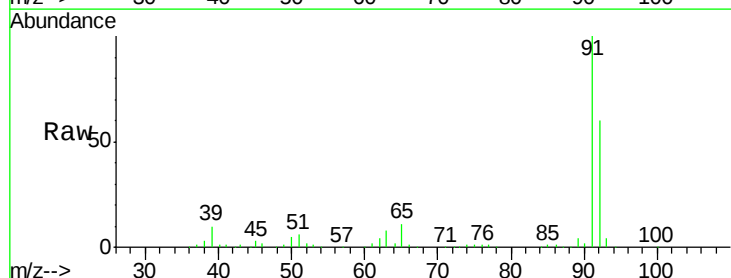
Manual Integrations
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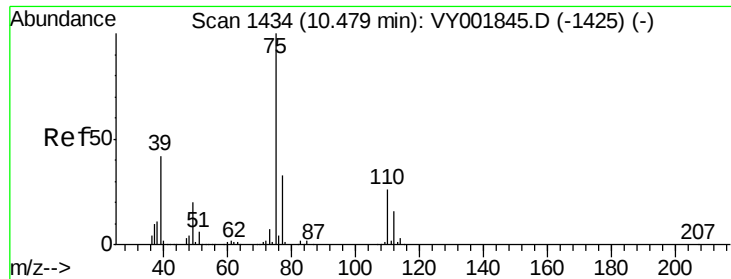
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#52
Toluene
Concen: 20.061 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	92	91	Ratio	Lower	Upper
121409	100	171.8		138.6	208.0





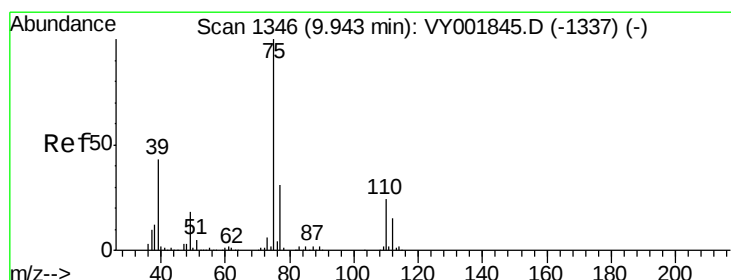
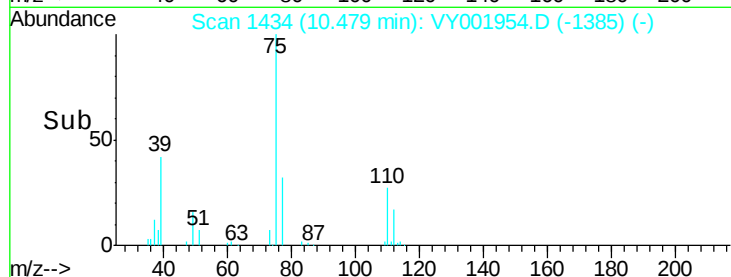
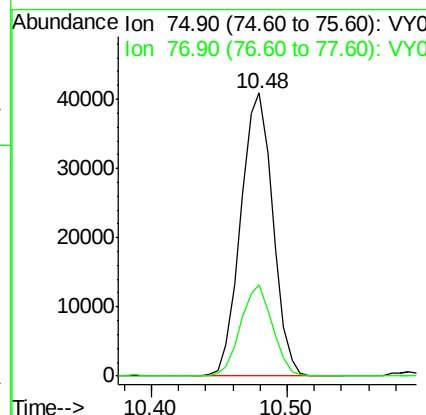
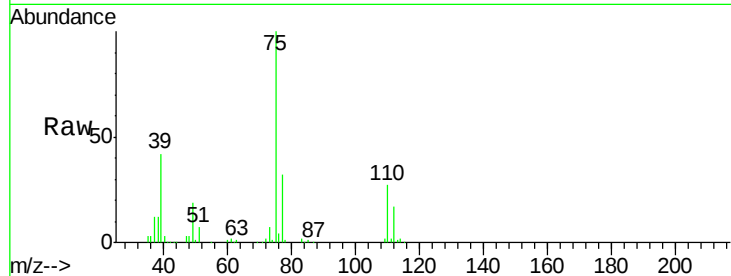
#53
t-1,3-Dichloropropene
Concen: 20.635 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion: 75 Resp: 67489
Ion Ratio Lower Upper
75 100
77 32.3 26.3 39.5

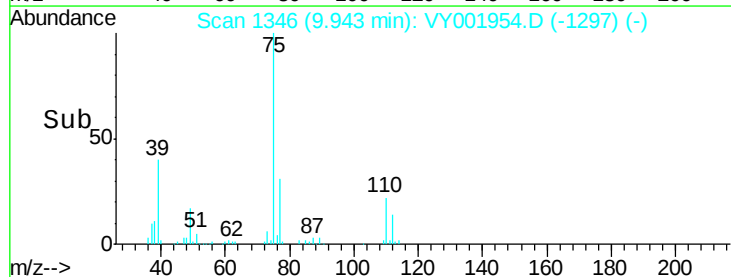
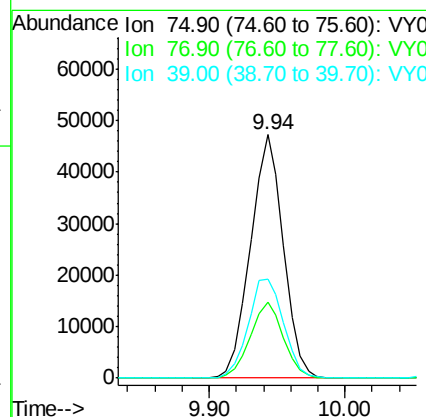
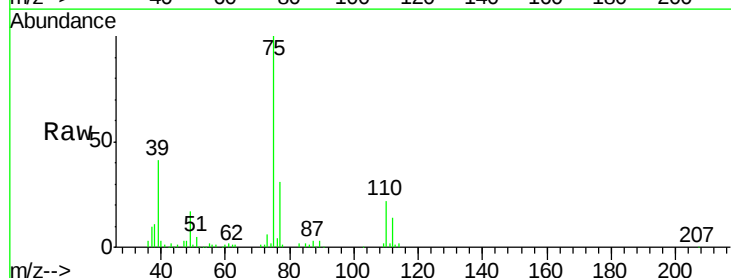
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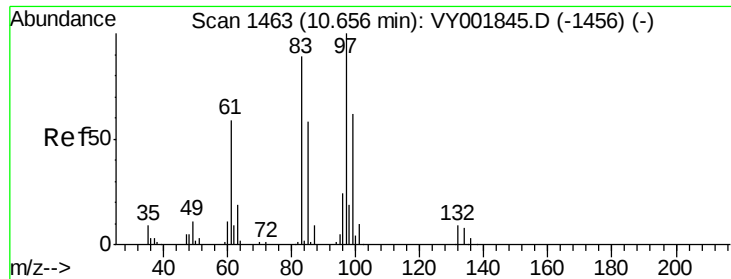
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#54
cis-1,3-Dichloropropene
Concen: 20.475 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion: 75 Resp: 79721
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 40.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 19.981 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 97 Resp: 37738

Ion Ratio Lower Upper

97 100

83 85.5 71.6 107.4

85 56.9 46.6 69.8

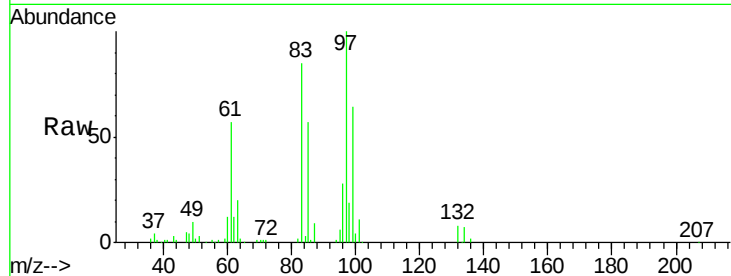
99 63.9 49.8 74.6

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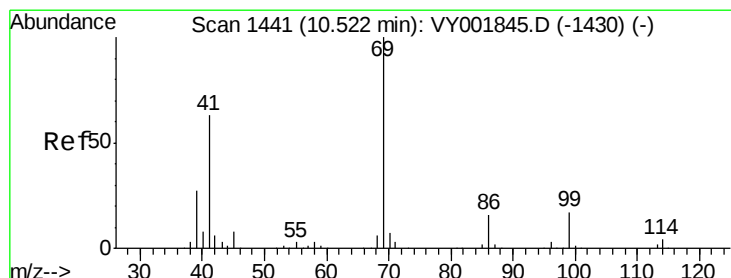
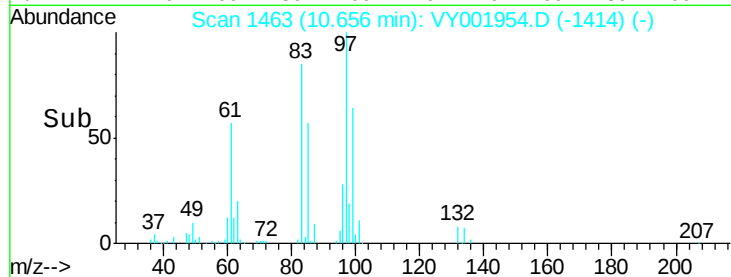
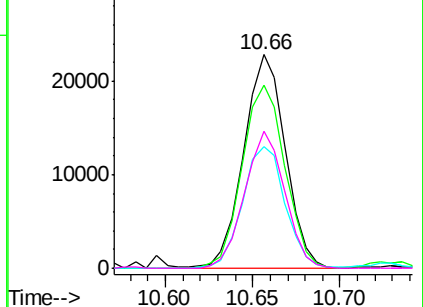


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 19.774 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion: 69 Resp: 54741

Ion Ratio Lower Upper

69 100

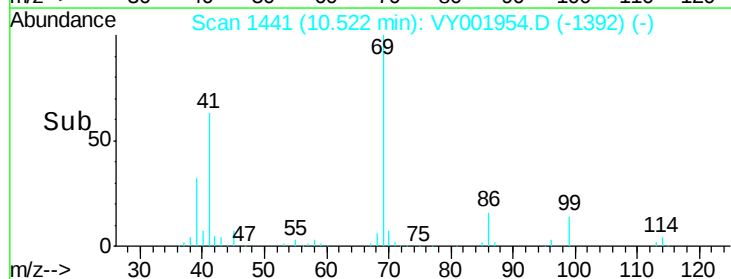
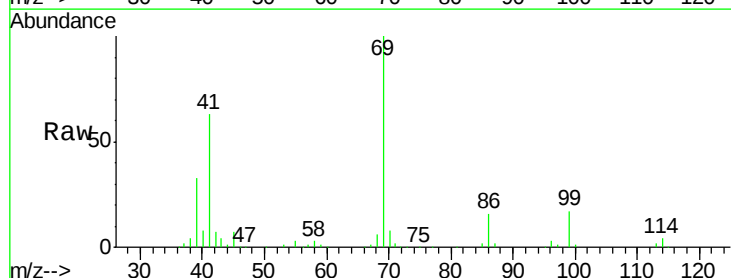
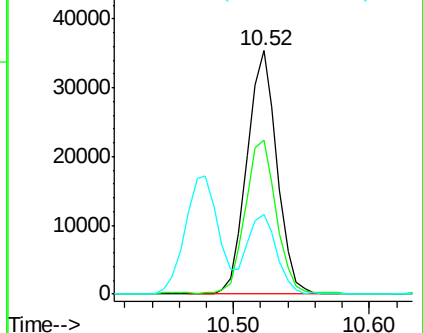
41 65.7 49.9 74.9

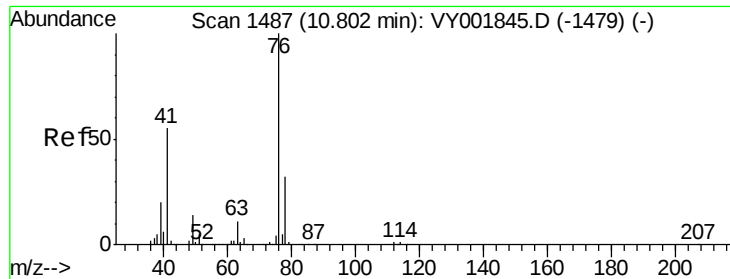
39 33.5 23.0 34.6

Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





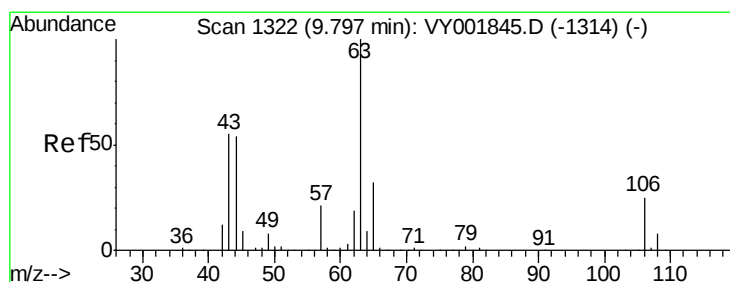
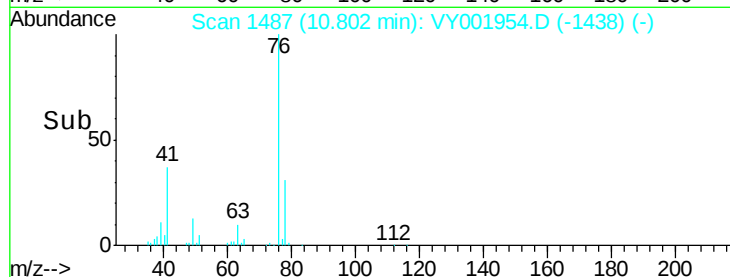
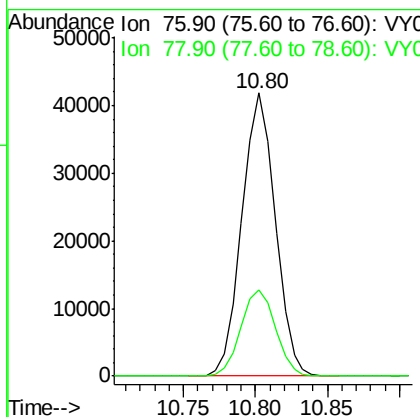
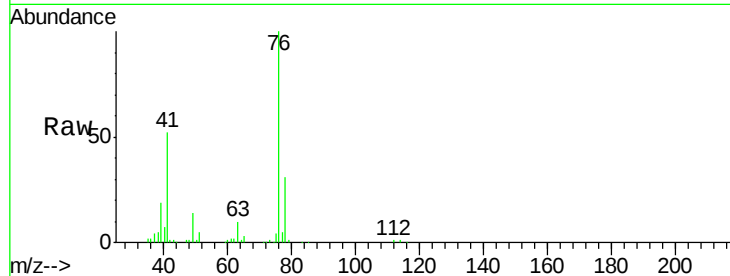
#57
 1,3-Dichloropropane
 Concen: 19.982 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion: 76 Resp: 67272
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

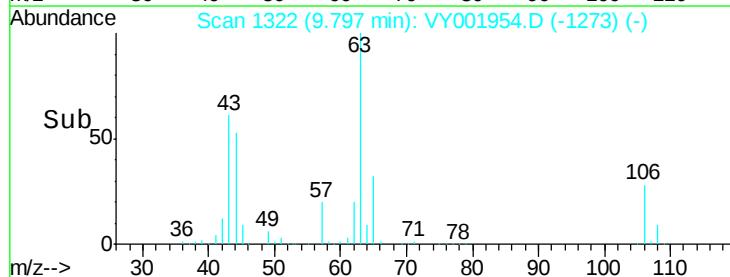
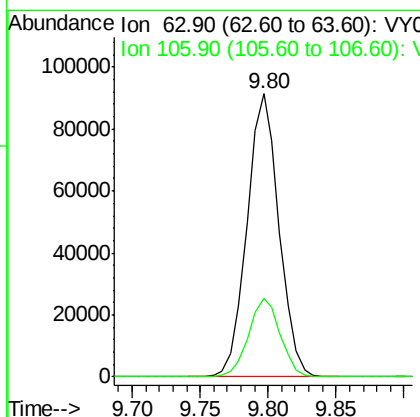
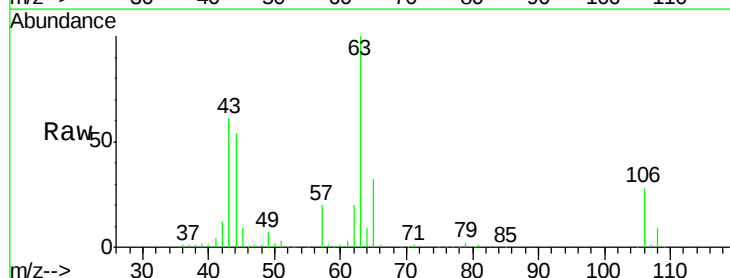
Manual Integrations
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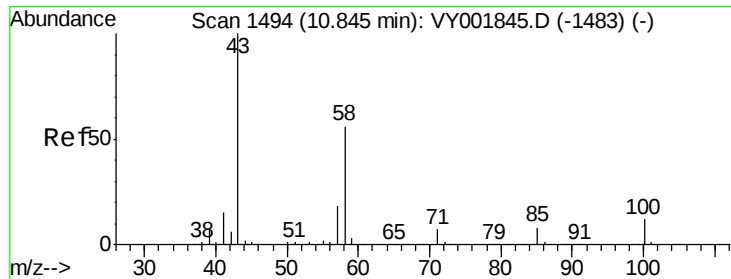
MMDadoda
 3/16/2020 11:42:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.983 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion: 63 Resp: 150003
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.3 31.9





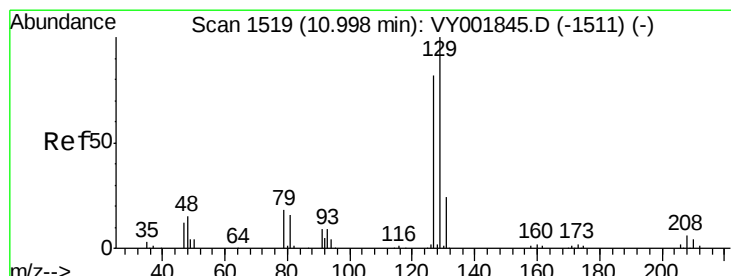
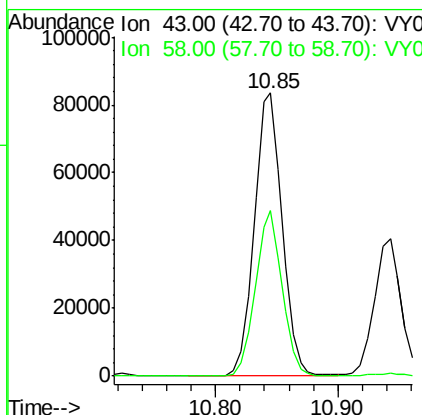
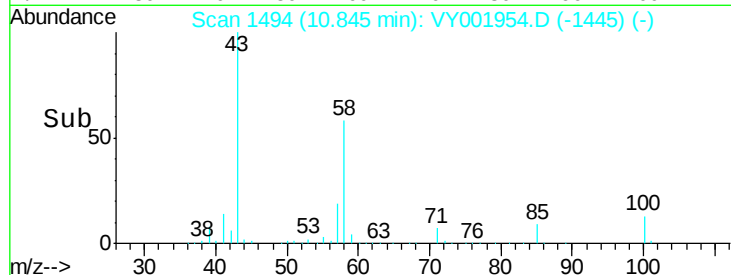
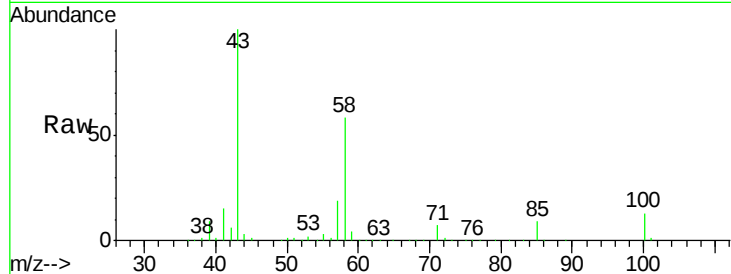
#59
2-Hexanone
Concen: 97.736 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion: 43 Resp: 132889
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

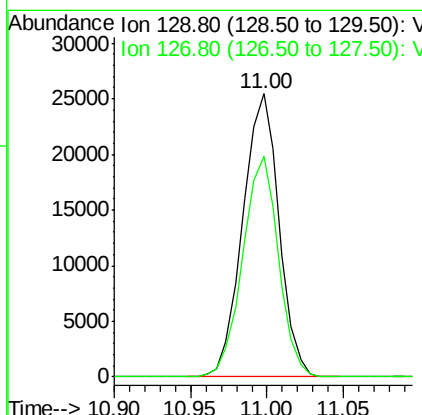
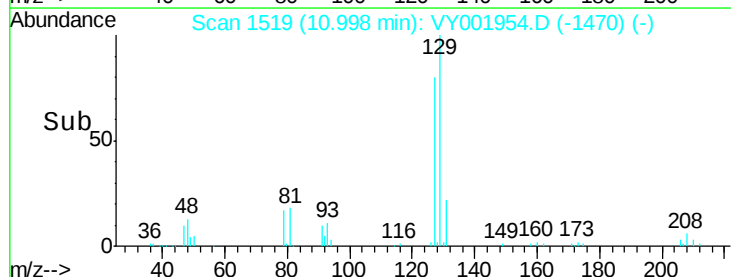
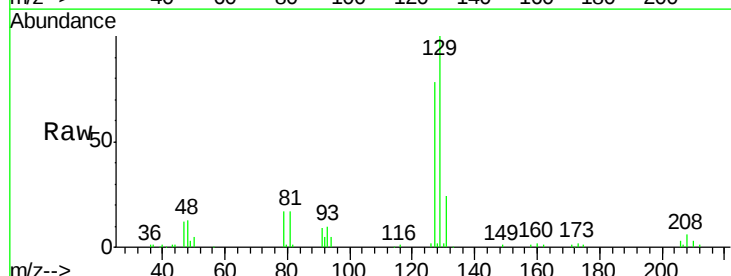
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#60
Dibromochloromethane
Concen: 21.032 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion: 129 Resp: 41858
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





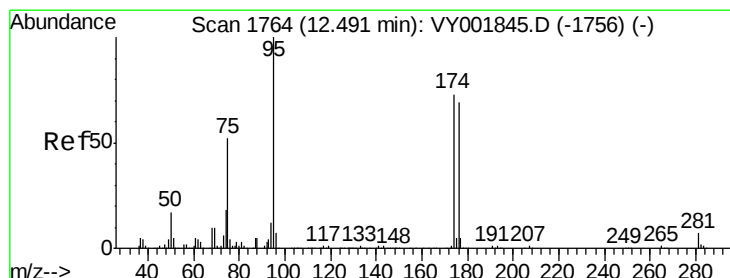
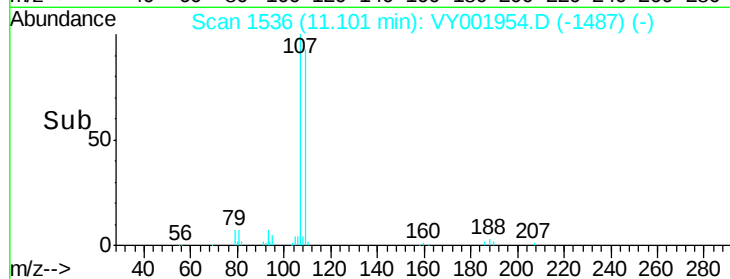
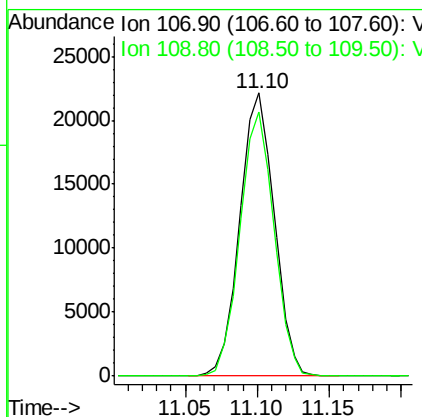
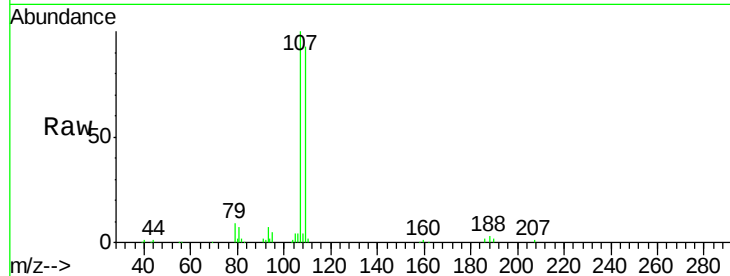
#61
 1,2-Dibromoethane
 Concen: 20.562 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.4	113.0

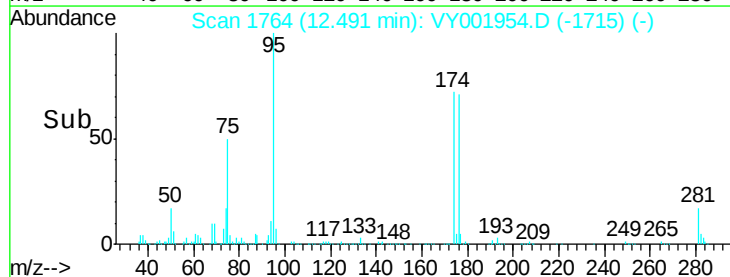
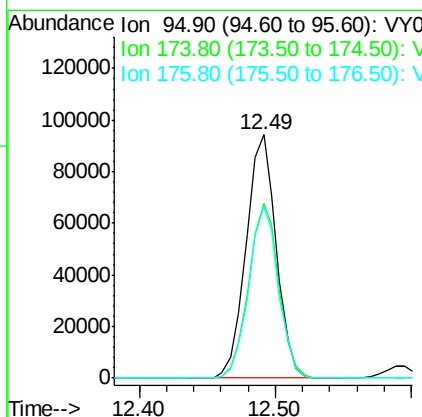
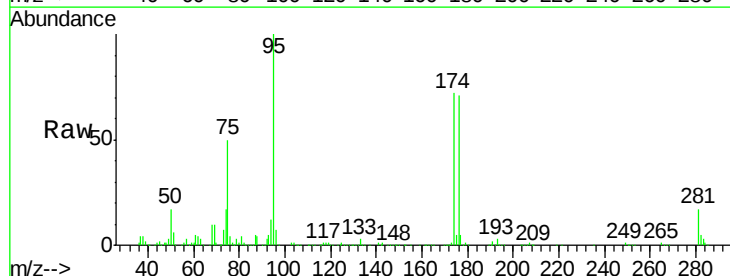
Manual Integrations
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MMDadoda
 3/16/2020 11:42:31 AM



#62
 4-Bromofluorobenzene
 Concen: 52.104 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	145.0
176	69.8	0.0	137.4





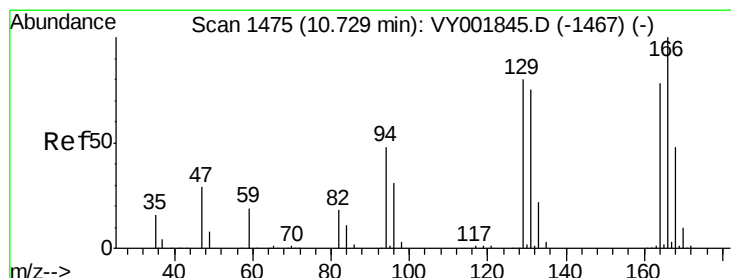
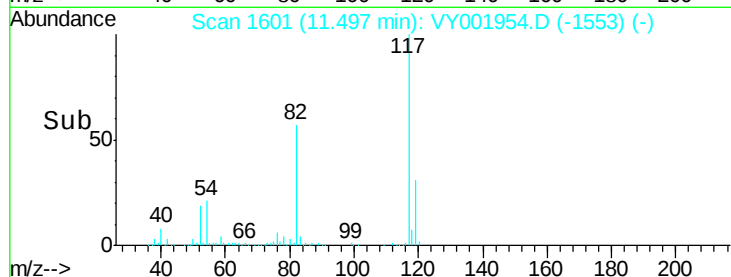
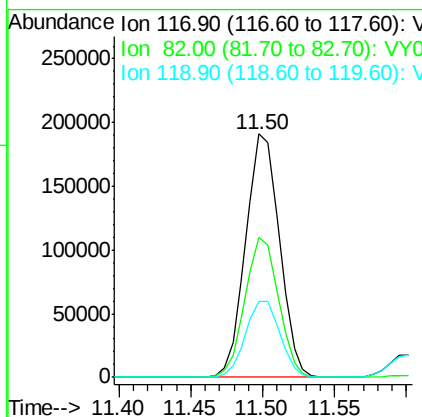
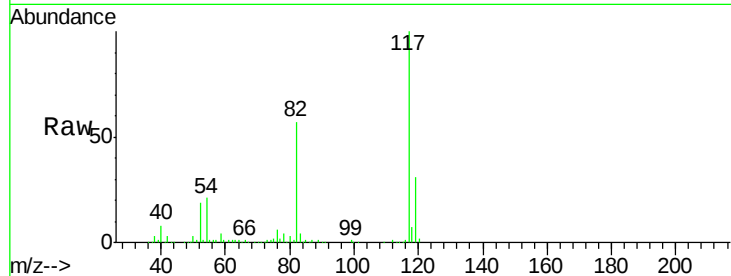
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311122		
82	57.5	44.5	66.7	
119	31.4	25.7	38.5	

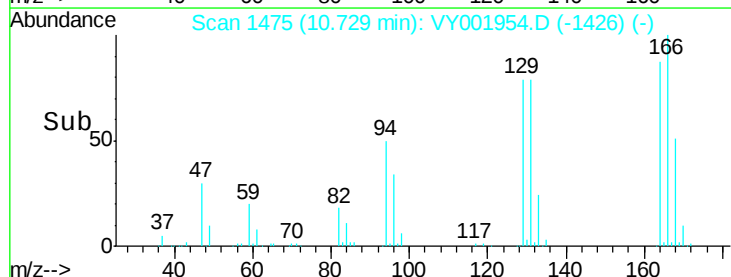
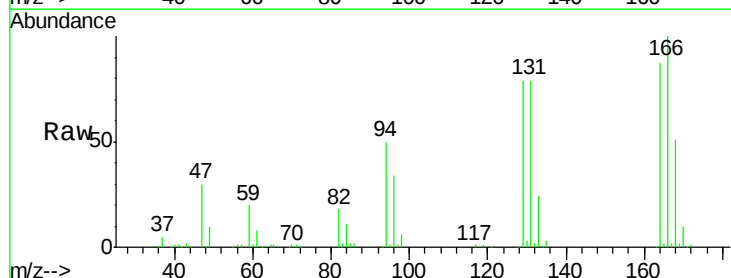
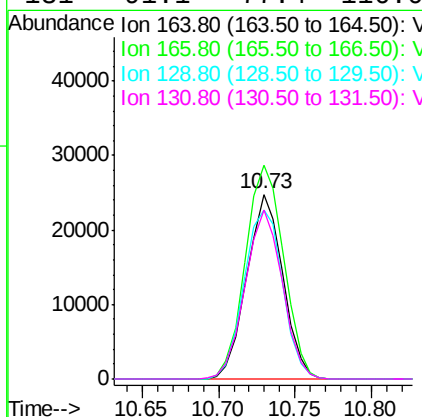
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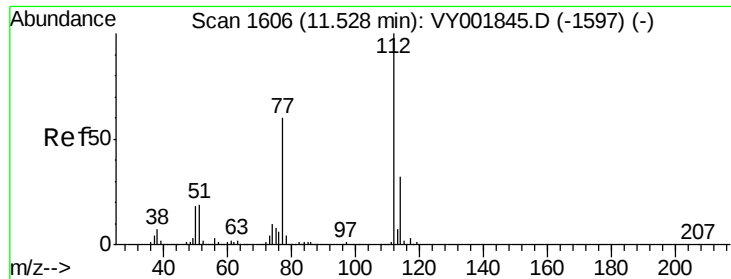
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3/16/2020 11:42:31 AM



#64
Tetrachloroethene
Concen: 20.843 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40666		
166	115.6	102.6	154.0	
129	91.7	82.3	123.5	
131	91.1	77.4	116.0	





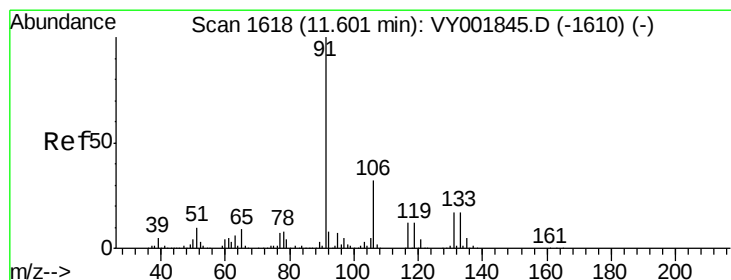
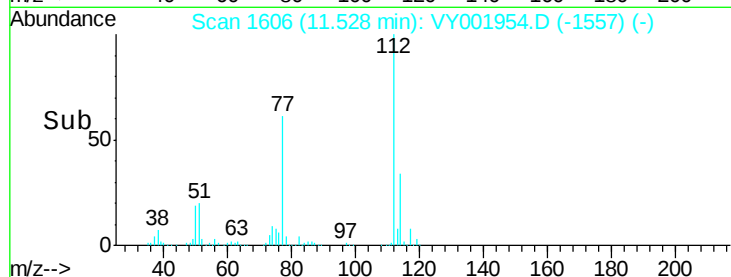
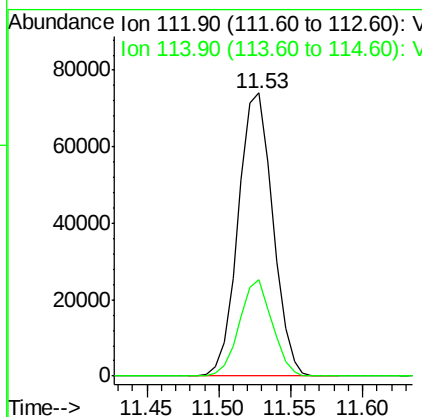
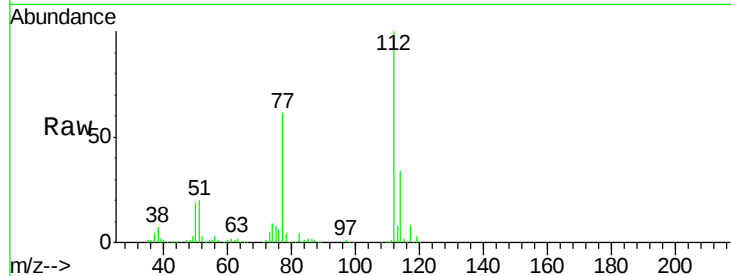
#65
Chlorobenzene
Concen: 19.903 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	123385		
114	34.2	25.9	38.9	

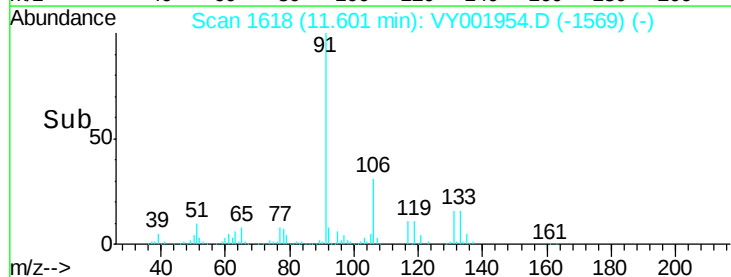
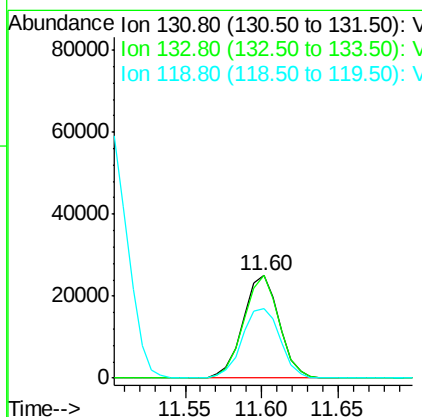
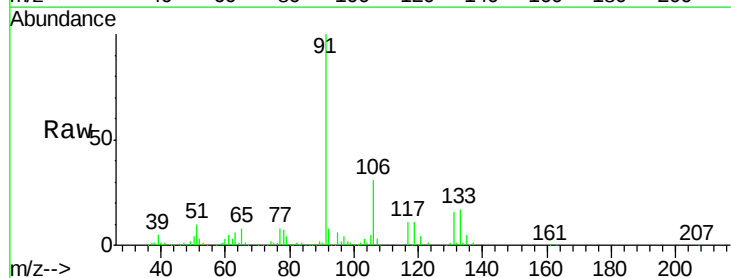
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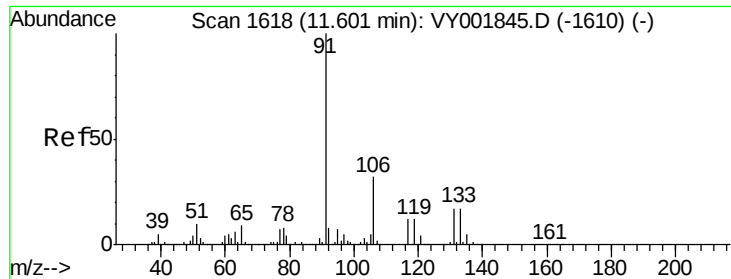
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.276 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	41219		
133	97.2	47.1	141.3	
119	71.3	34.5	103.6	





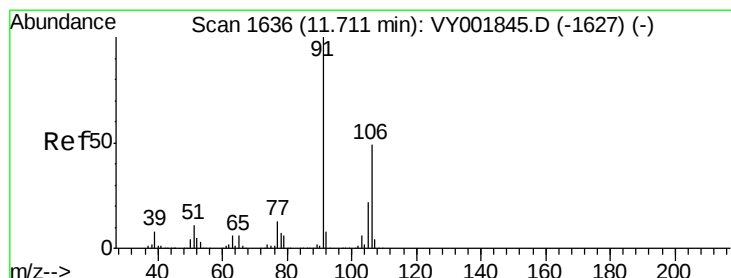
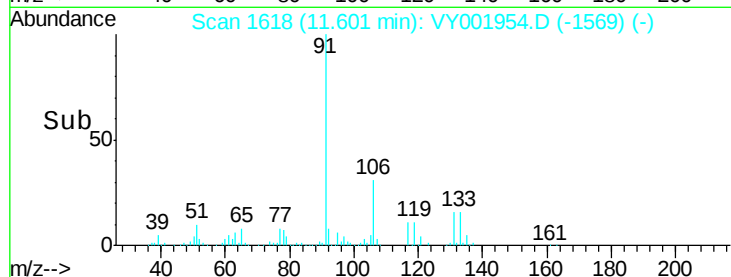
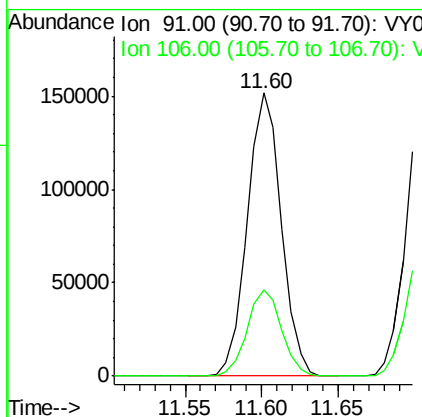
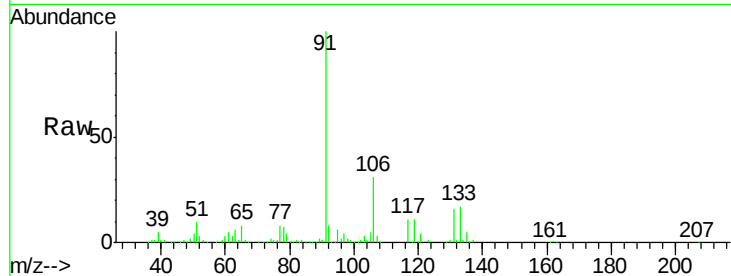
#67
Ethyl Benzene
Concen: 20.254 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion: 91 Resp: 234170
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2

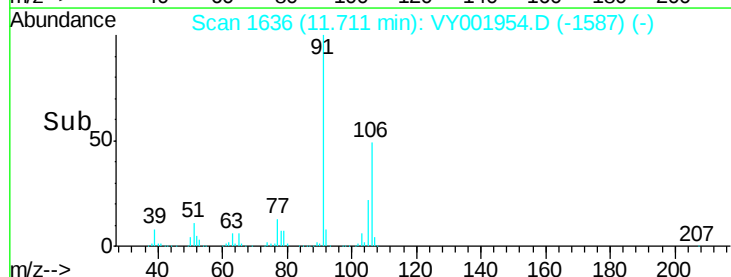
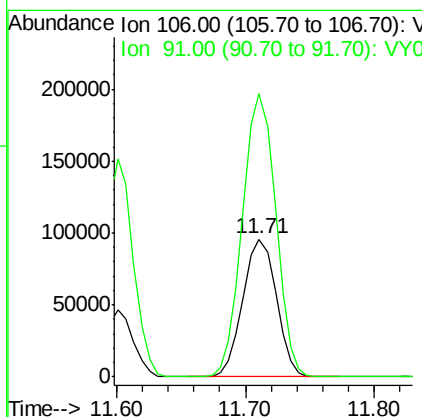
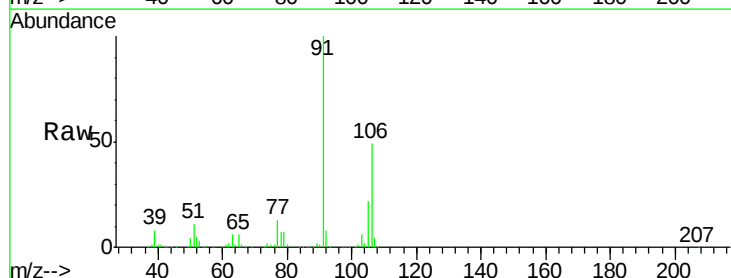
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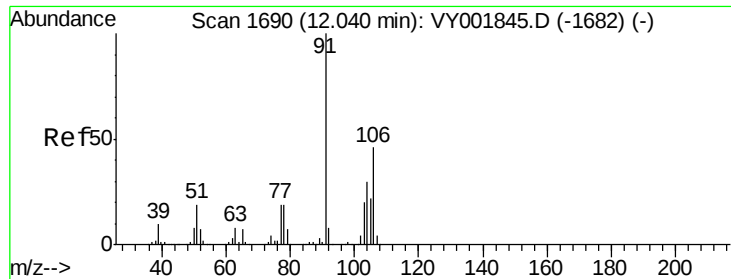
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#68
m/p-Xylenes
Concen: 40.377 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion: 106 Resp: 172586
Ion Ratio Lower Upper
106 100
91 204.6 161.3 241.9





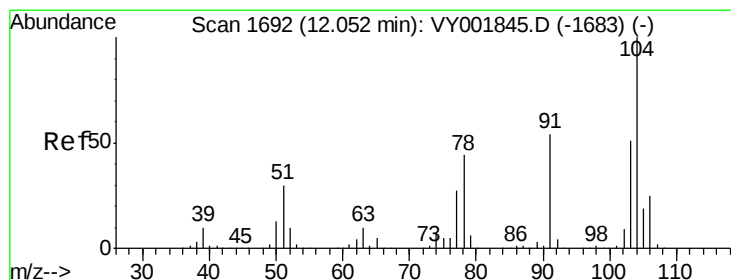
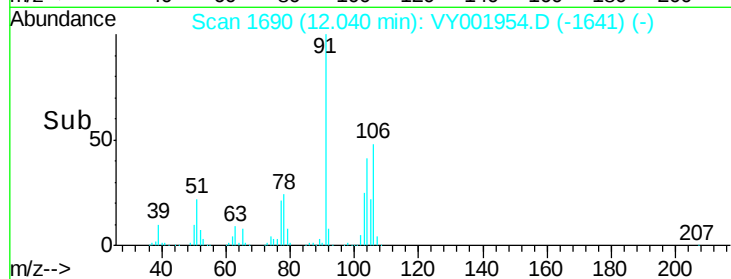
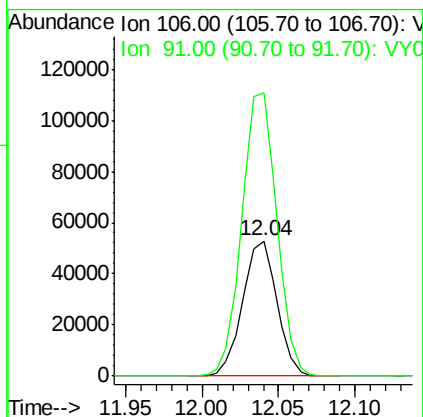
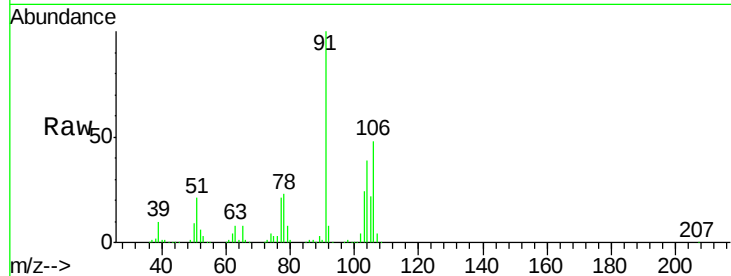
#69
o-Xylene
Concen: 20.458 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion:106 Resp: 82422
Ion Ratio Lower Upper
106 100
91 214.1 106.8 320.4

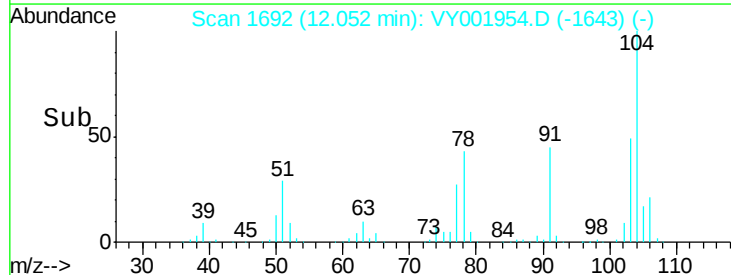
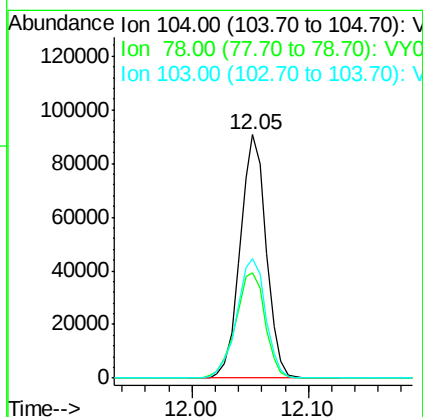
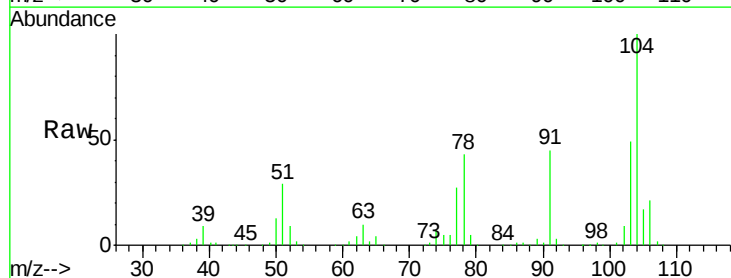
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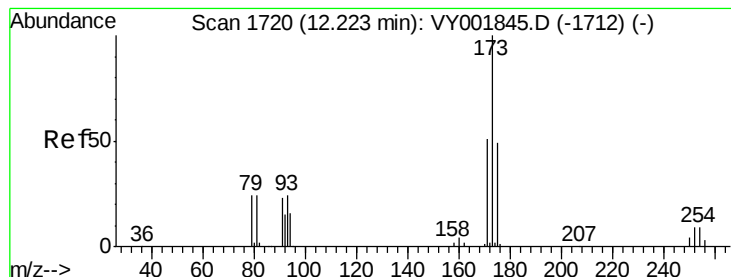
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#70
Styrene
Concen: 20.474 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion:104 Resp: 141271
Ion Ratio Lower Upper
104 100
78 49.1 38.5 57.7
103 54.4 42.9 64.3





#71

Bromoform

Concen: 20.761 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion:173 Resp: 22889

Ion Ratio Lower Upper

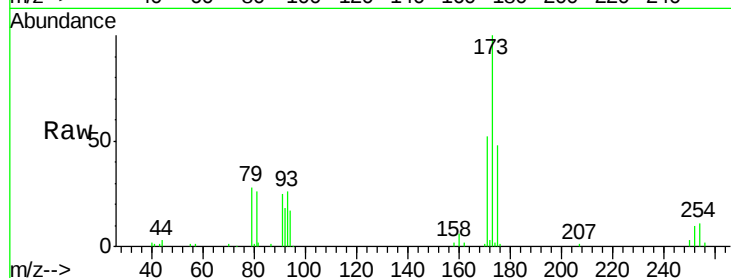
173 100

175 49.3 24.3 72.8

254 0.0 0.0 0.0

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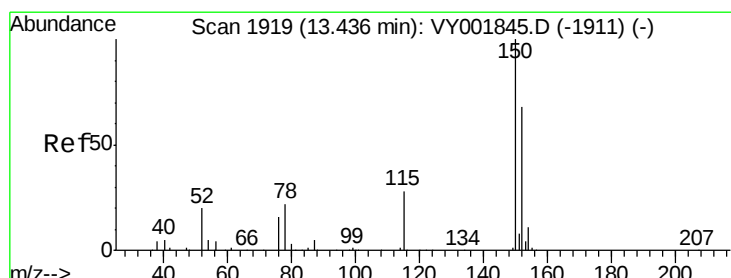
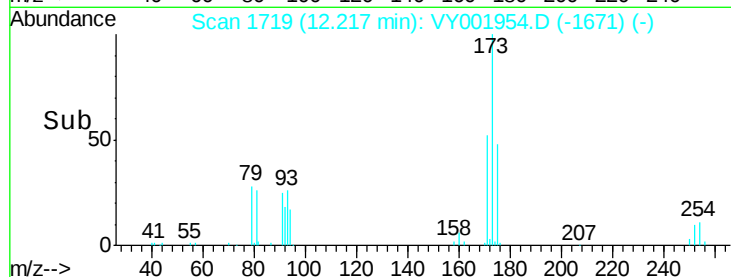
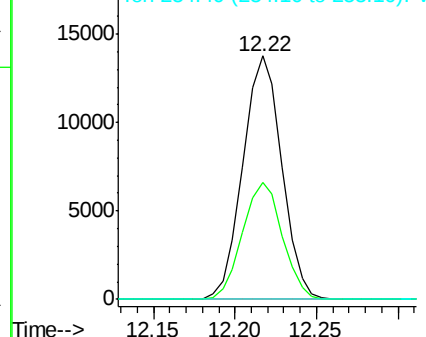
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

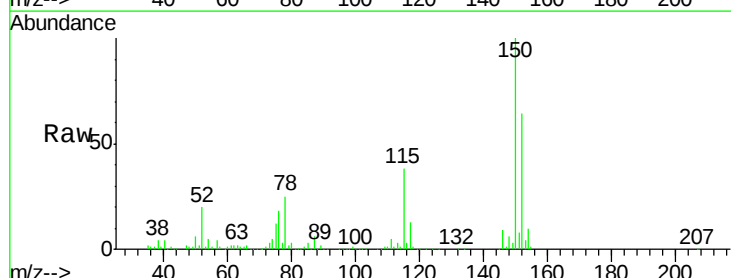
Tgt Ion:152 Resp: 145343

Ion Ratio Lower Upper

152 100

115 61.9 29.9 89.7

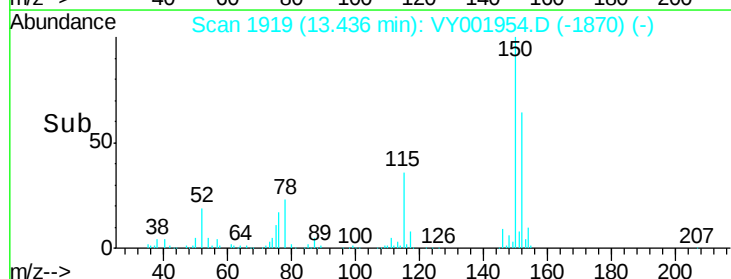
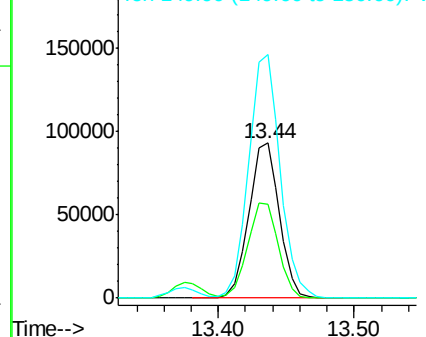
150 163.4 0.0 340.6

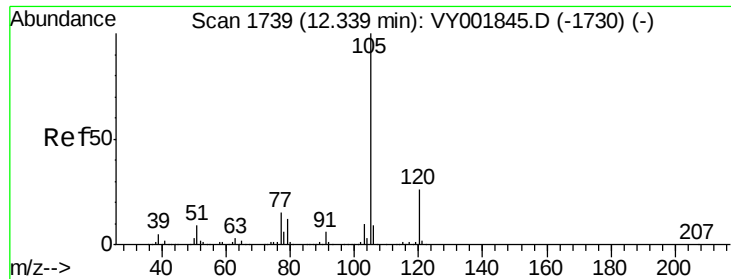


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.130 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 105 Resp: 223343

Ion Ratio Lower Upper

105 100

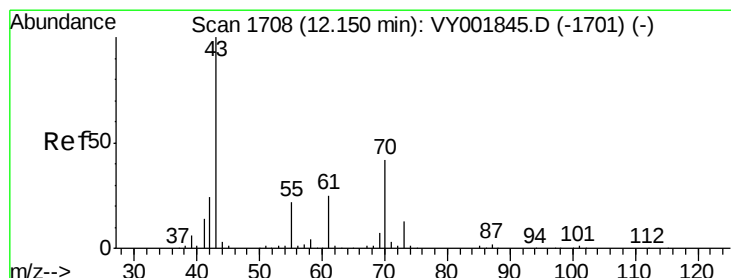
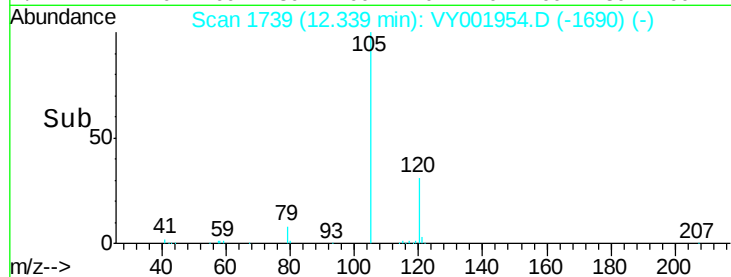
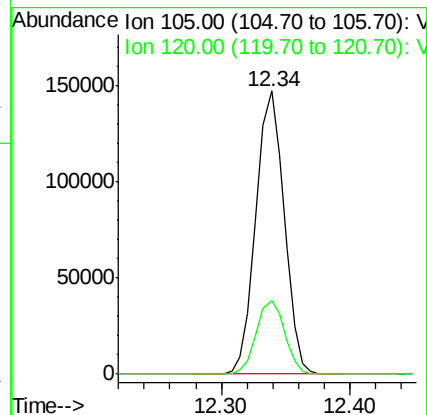
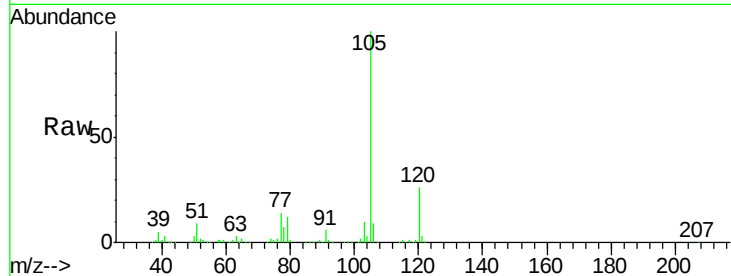
120 26.1 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.084 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion: 43 Resp: 65075

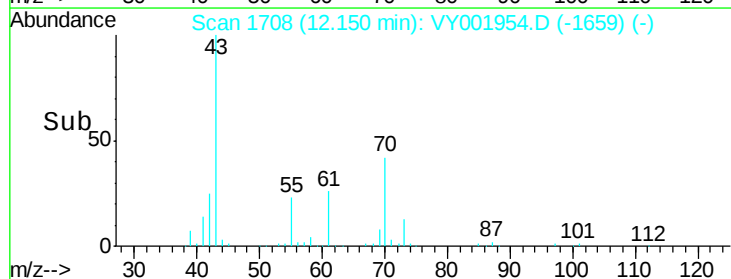
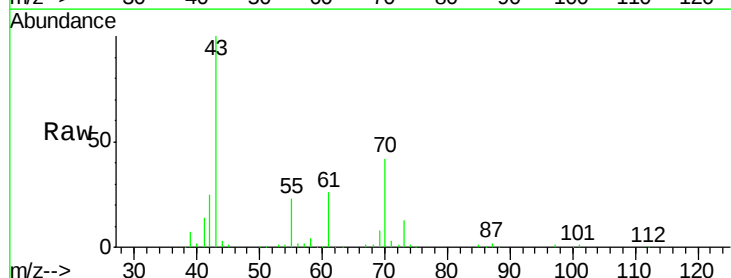
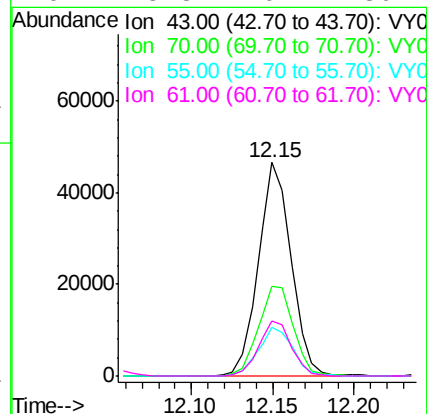
Ion Ratio Lower Upper

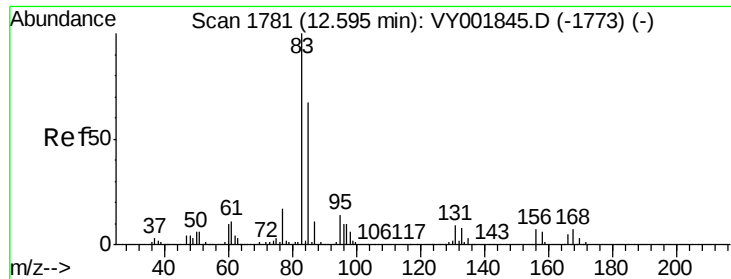
43 100

70 44.8 34.7 52.1

55 23.8 18.2 27.4

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.537 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

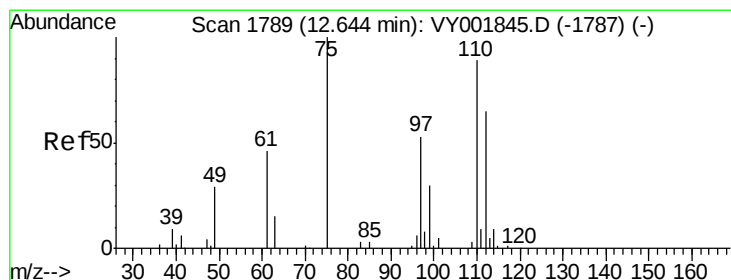
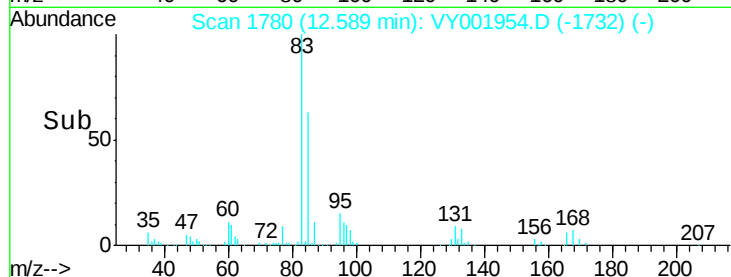
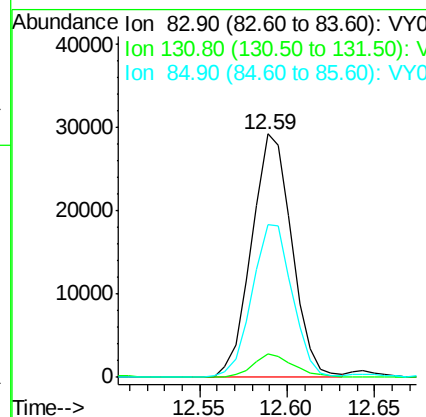
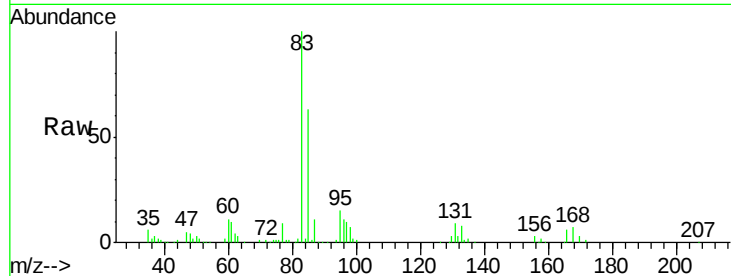
ClientSampleId :

VY0312SBS01

Tot Ion:	83	Resp:	46744
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	62.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 21.761 ug/l m

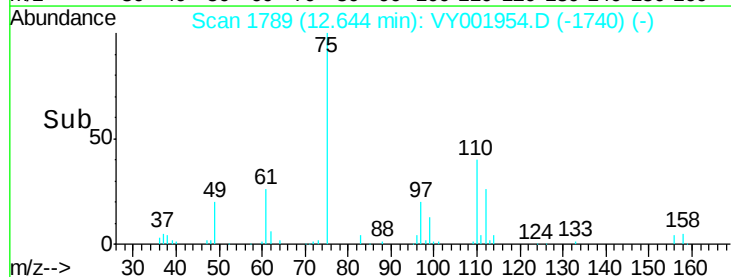
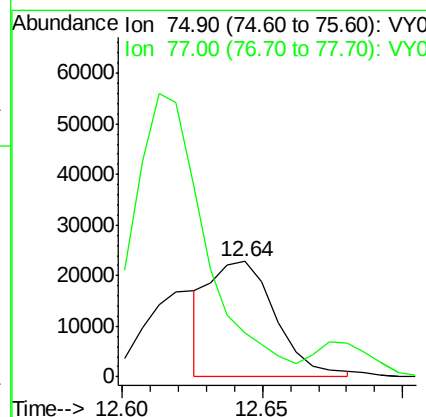
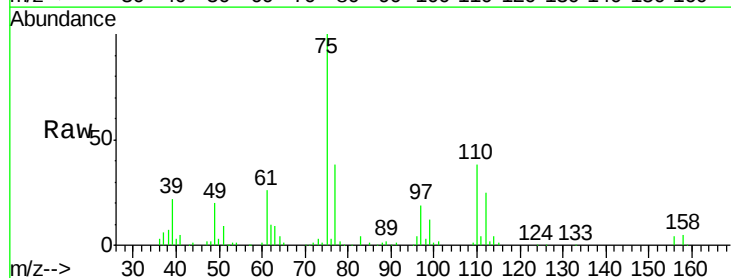
RT: 12.64 min Scan# 1789

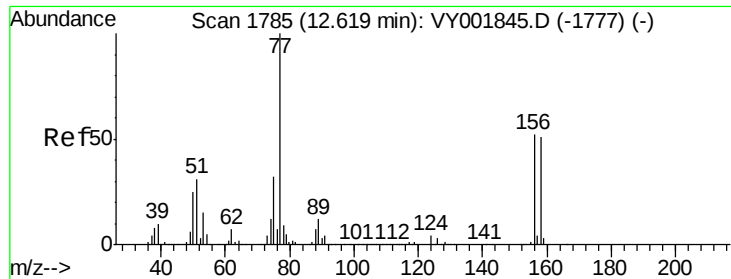
Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion:	75	Resp:	37528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.116 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion:156 Resp: 47287

Ion Ratio Lower Upper

156 100

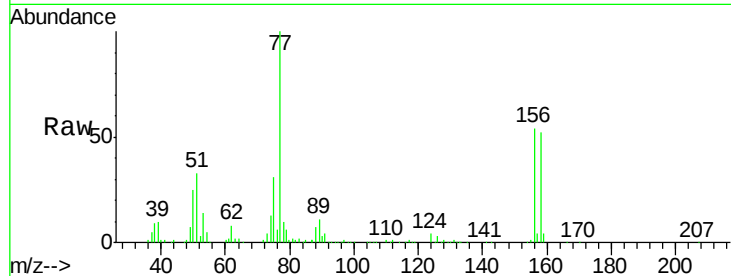
77 215.4 109.0 327.0

158 96.6 48.9 146.8

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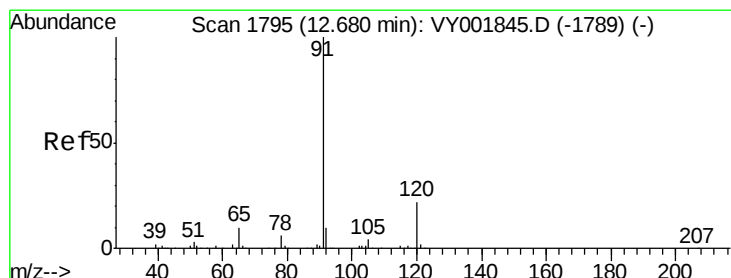
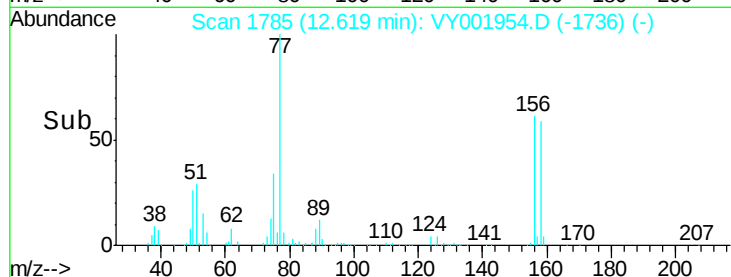
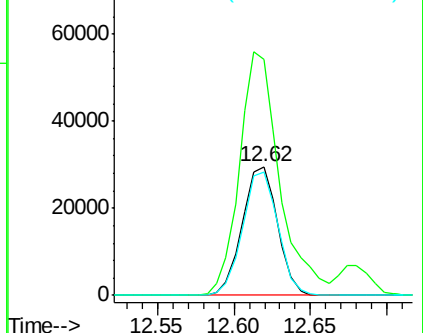
3/16/2020 11:42:31 AM



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: 19.876 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001954.D

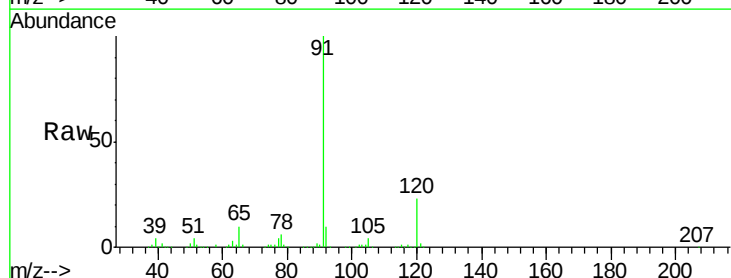
Acq: 12 Mar 2020 11:21

Tgt Ion: 91 Resp: 272061

Ion Ratio Lower Upper

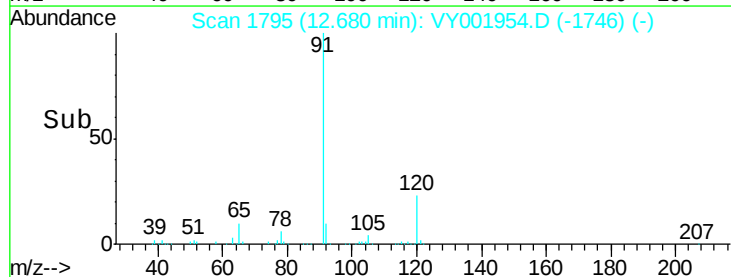
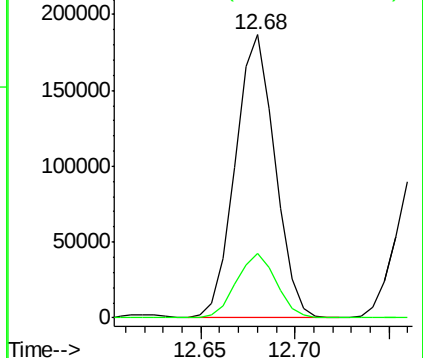
91 100

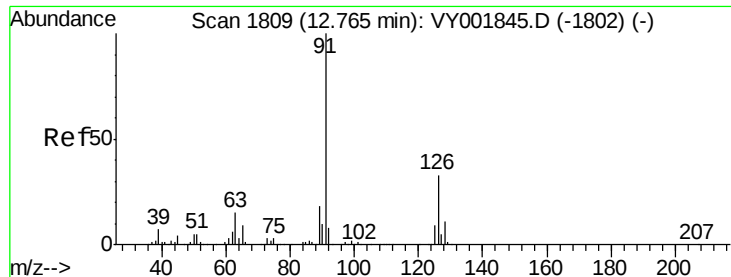
120 22.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion: 91 Resp: 151997

Ion Ratio Lower Upper

91 100

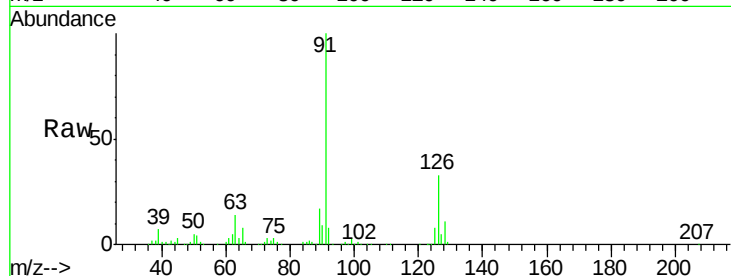
126 33.0 16.3 48.8

Manual Integrations

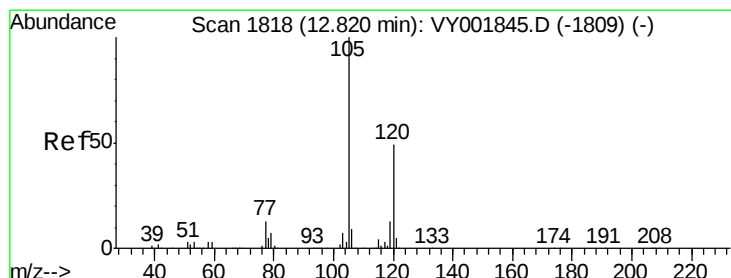
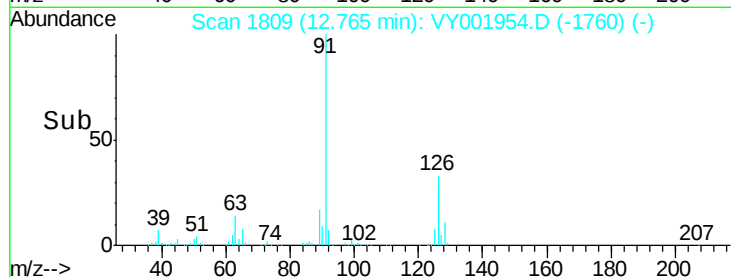
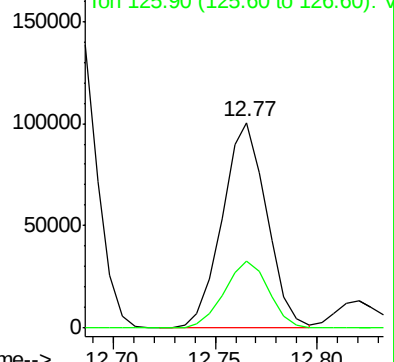
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Abundance Ion 91.00 (90.70 to 91.70): VY001954.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.192 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001954.D

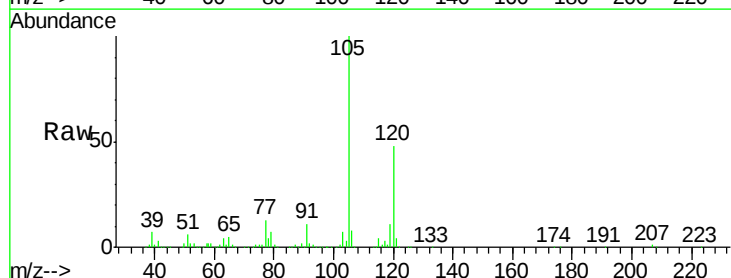
Acq: 12 Mar 2020 11:21

Tgt Ion: 105 Resp: 184435

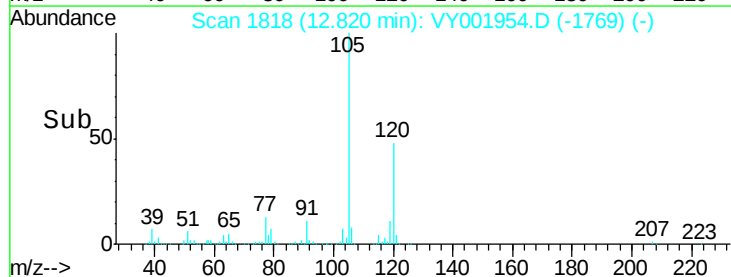
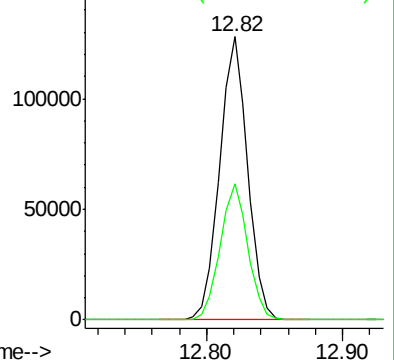
Ion Ratio Lower Upper

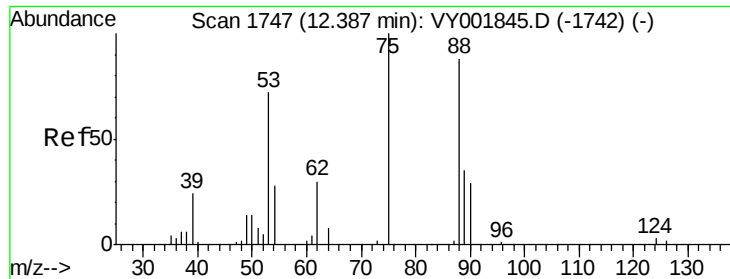
105 100

120 47.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001954.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.648 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

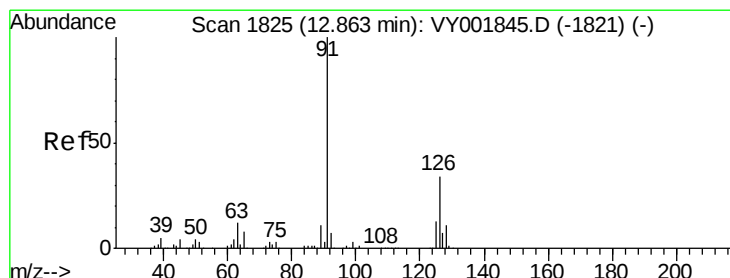
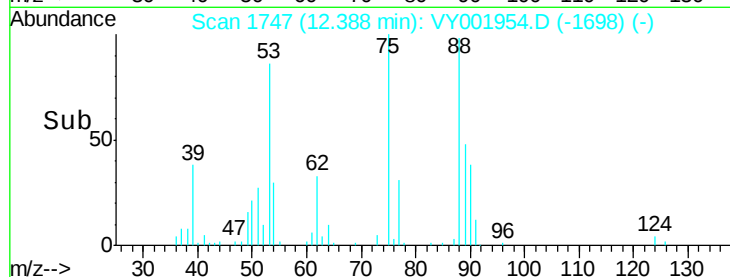
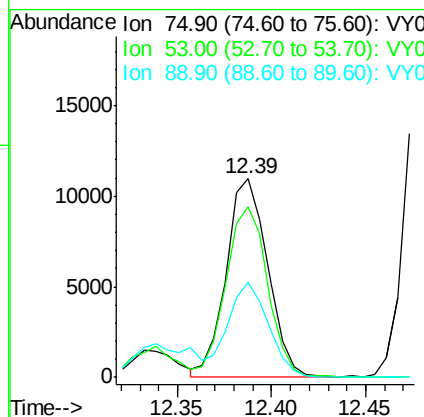
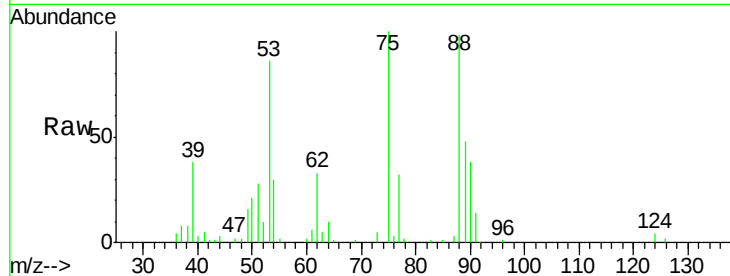
ClientSampleId :

VY0312SBS01

Tot Ion:	75	Resp:	16775
Ion	Ratio	Lower	Upper
75	100		
53	86.6	65.4	98.0
89	47.3	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.507 ug/l

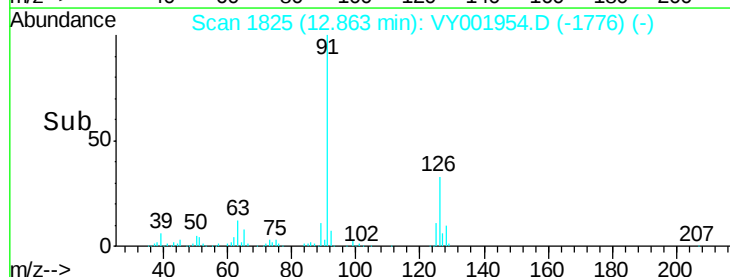
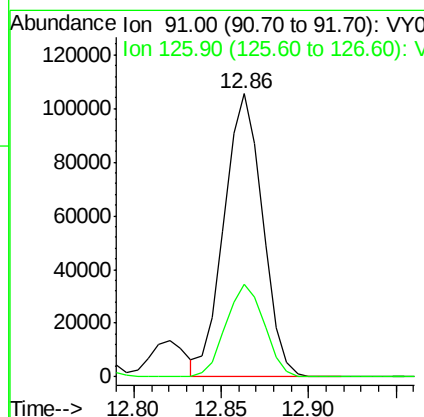
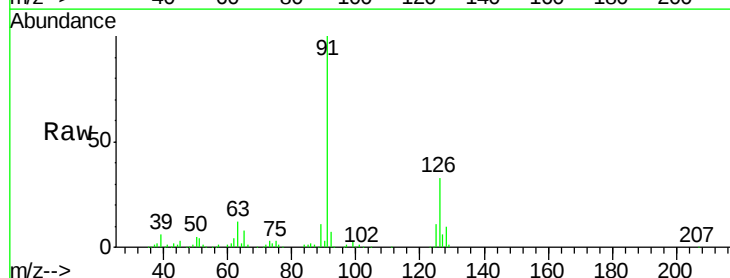
RT: 12.86 min Scan# 1825

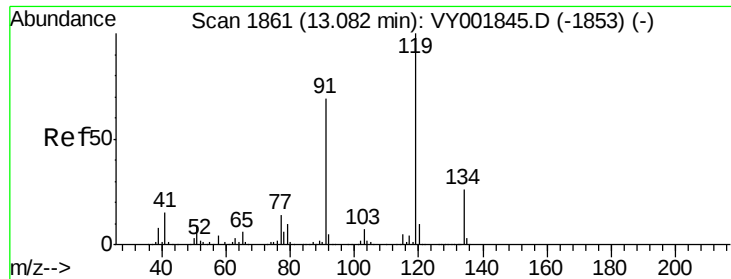
Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion:	91	Resp:	161472
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





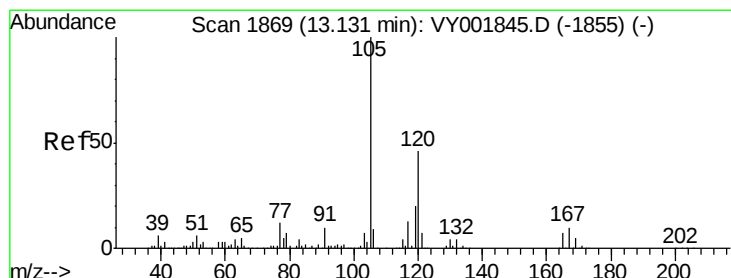
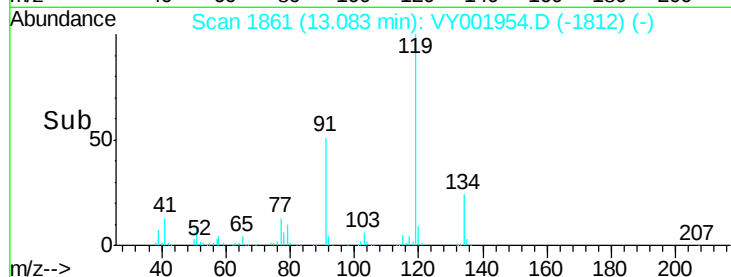
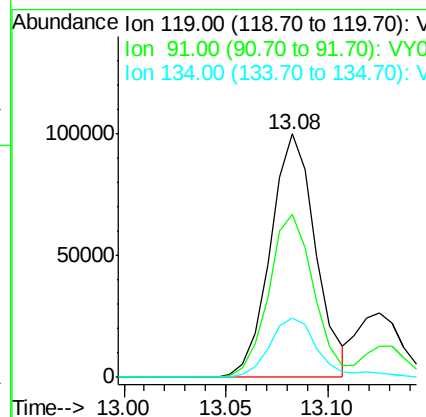
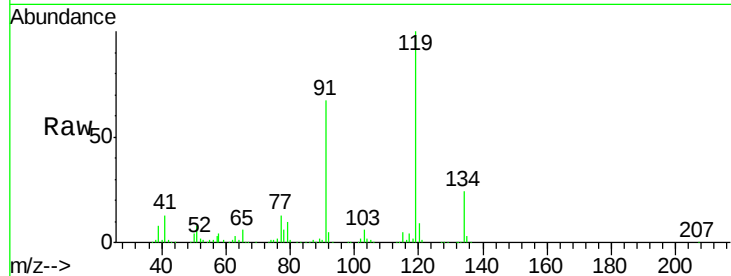
#83
tert-Butylbenzene
Concen: 20.347 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.0	101.8
134	26.6	13.5	40.4

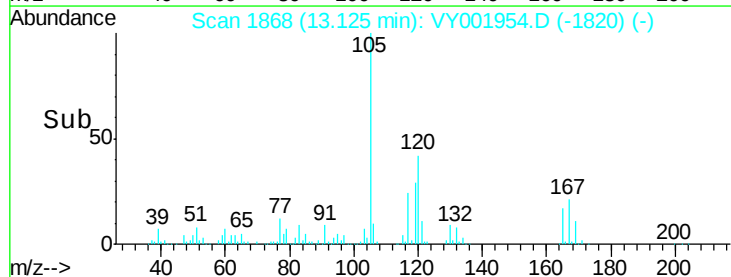
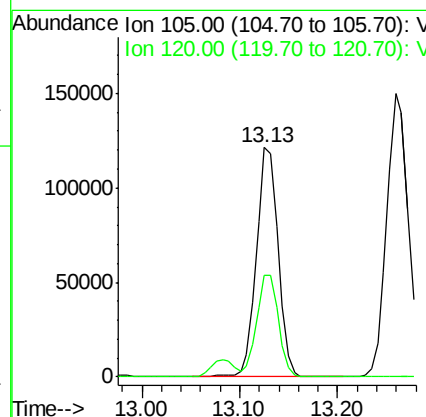
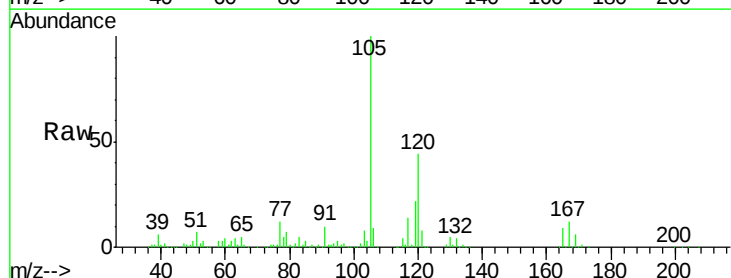
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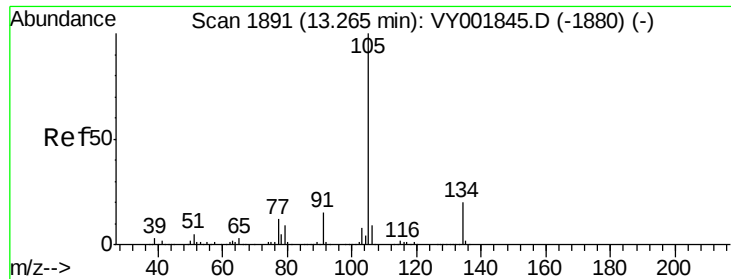
MMDadoda
3/16/2020 11:42:31 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.590 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.358 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBS01

Tot Ion:105 Resp: 227645

Ion Ratio Lower Upper

105 100

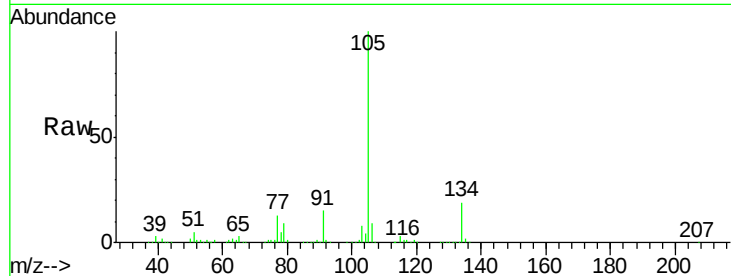
134 19.8 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

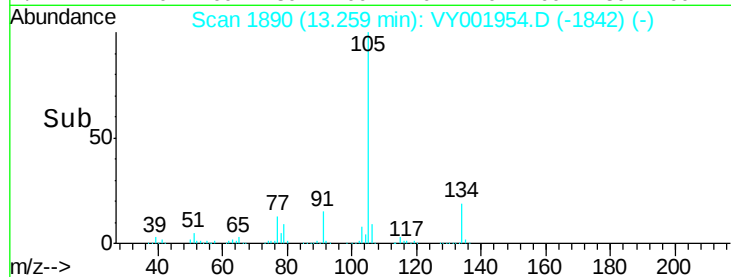
150000

100000

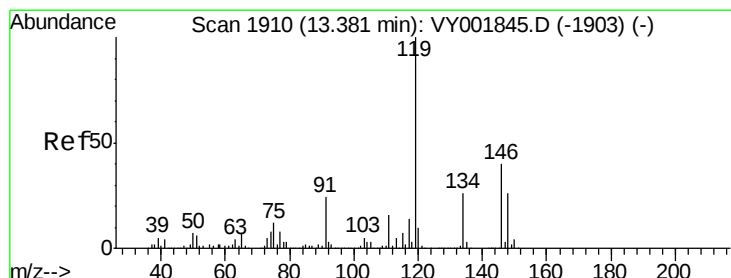
50000

0

13.20 13.25 13.30



Time-->



#86

p-Isopropyltoluene

Concen: 20.646 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

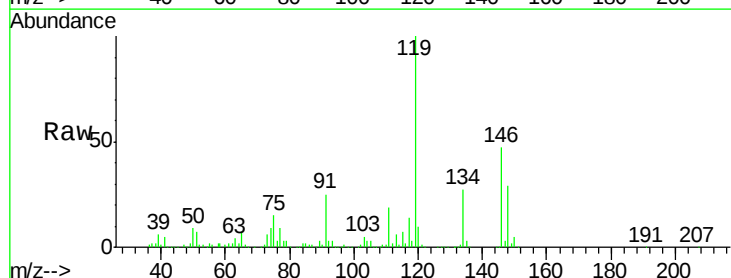
Tgt Ion:119 Resp: 199155

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

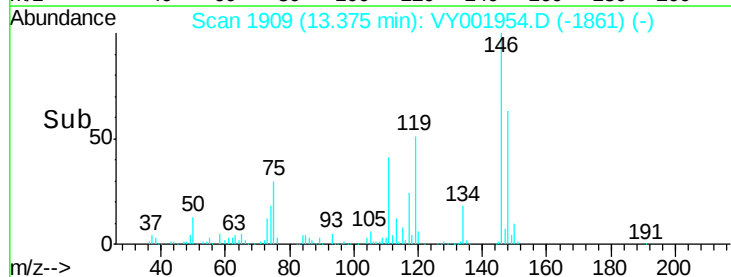
150000

100000

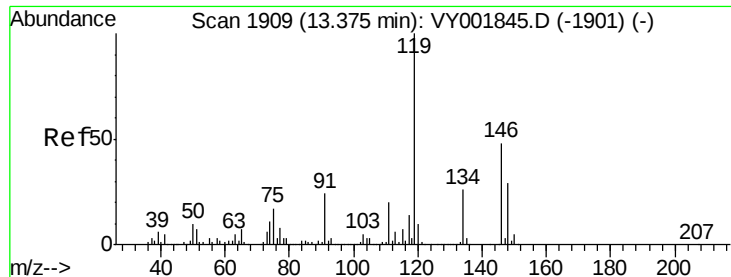
50000

0

13.30 13.35 13.40 13.45



Time-->



#87

1,3-Dichlorobenzene

Concen: 20.369 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

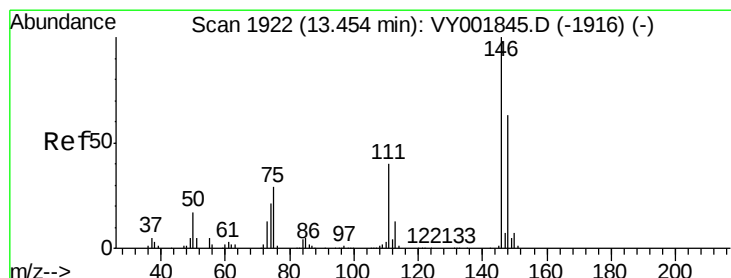
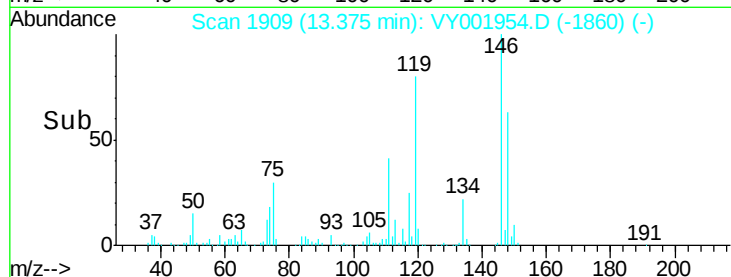
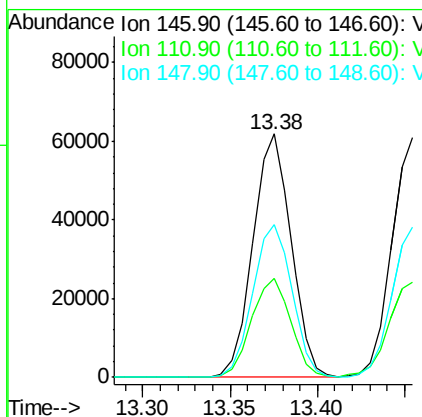
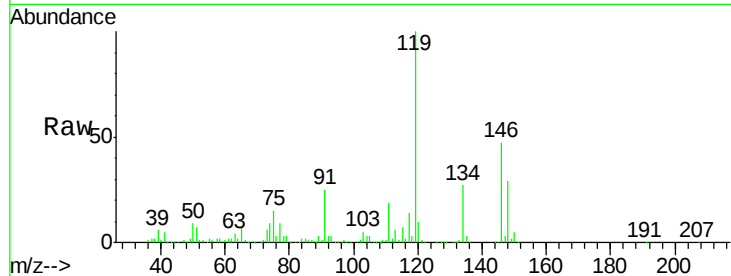
Instrument :
MSVOA_Y

ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	64.6	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 19.961 ug/l

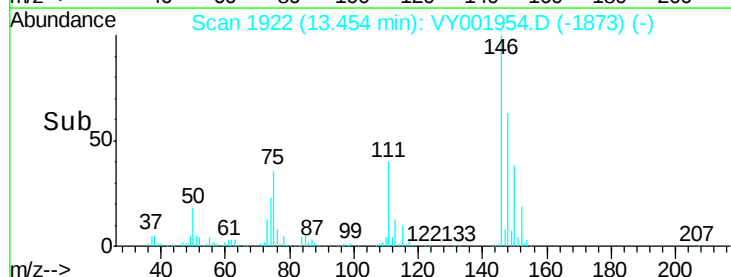
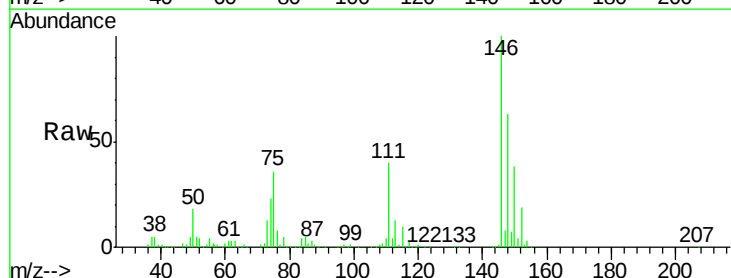
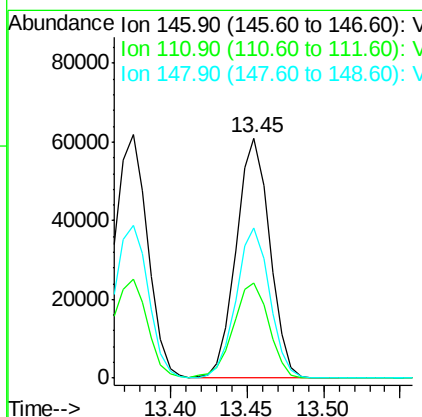
RT: 13.45 min Scan# 1922

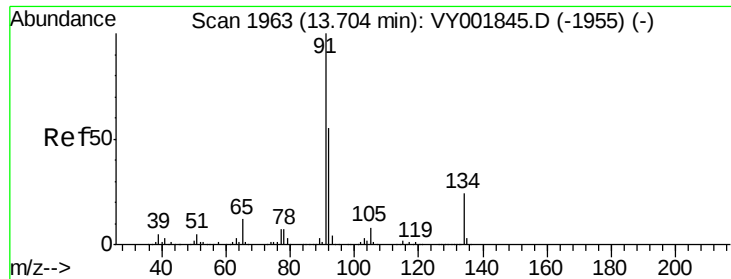
Delta R.T. 0.00 min

Lab File: VY001954.D

Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	60.0
148	62.4	31.5	94.5





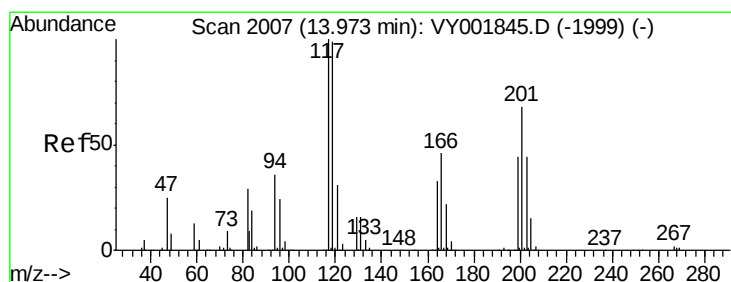
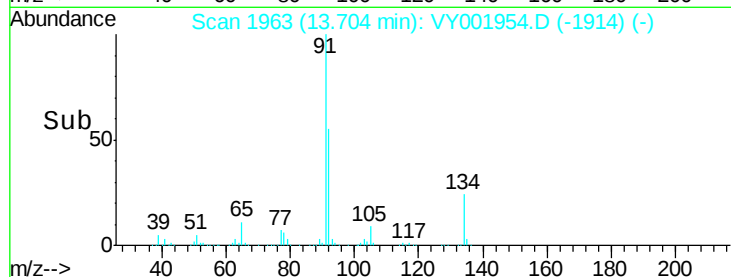
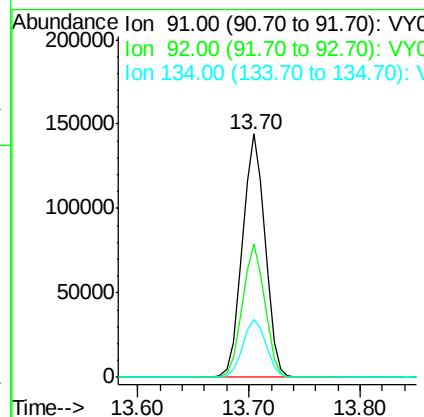
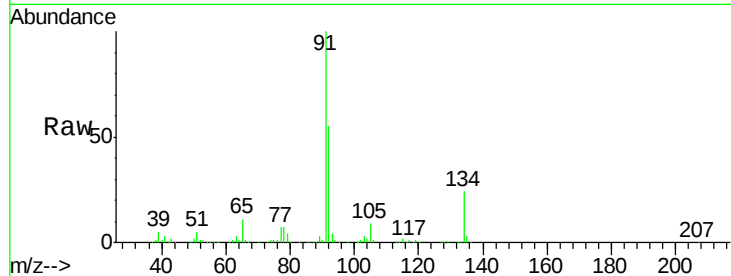
#89
n-Butylbenzene
Concen: 20.251 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202669		
92	54.2		27.5	82.4
134	24.4		12.5	37.5

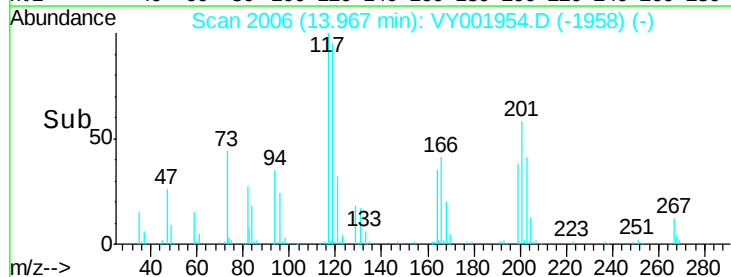
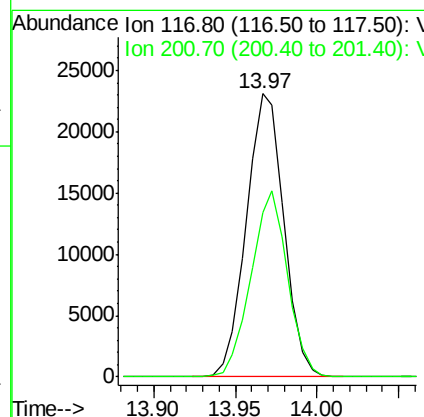
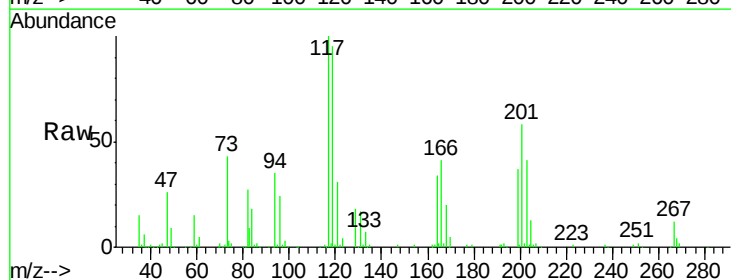
Manual Integrations
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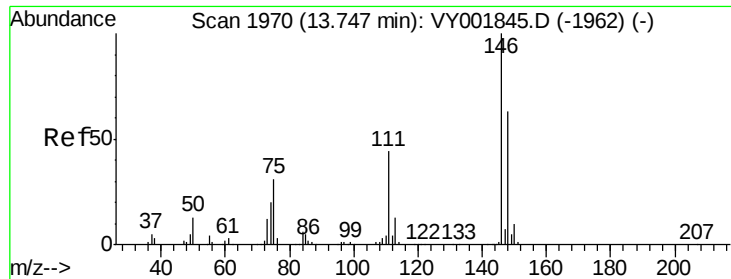
MMDadoda
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#90
Hexachloroethane
Concen: 20.234 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36821		
201	64.5		32.5	97.5





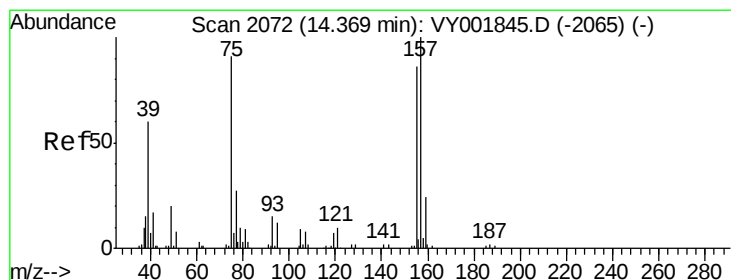
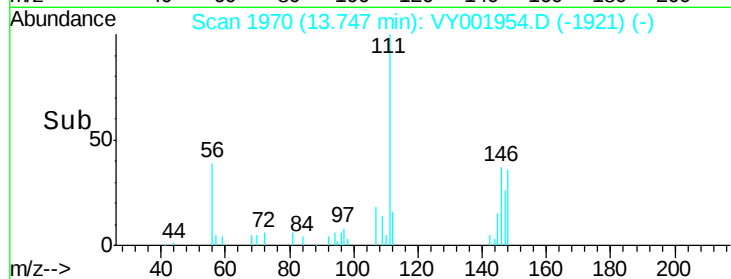
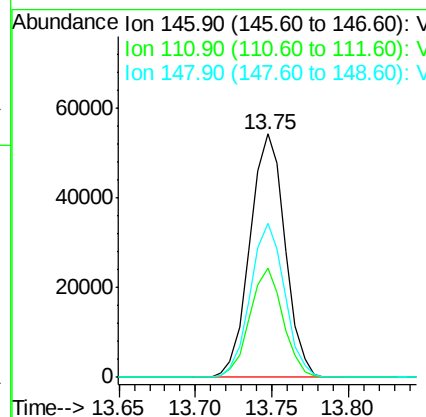
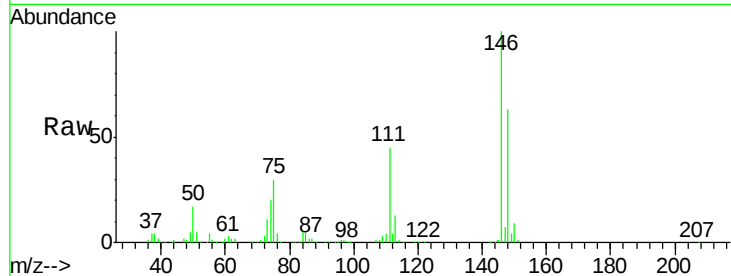
#91
 1,2-Dichlorobenzene
 Concen: 20.682 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	62.1	32.0	96.0

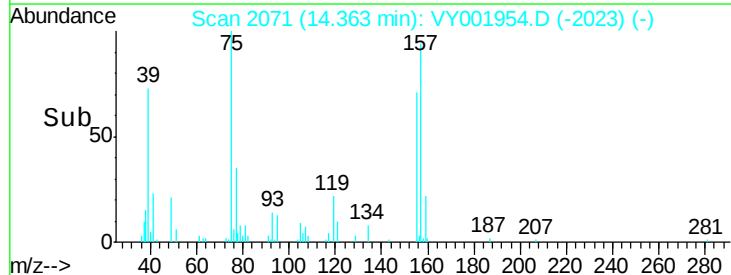
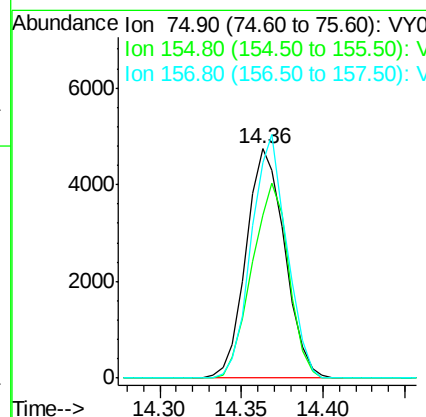
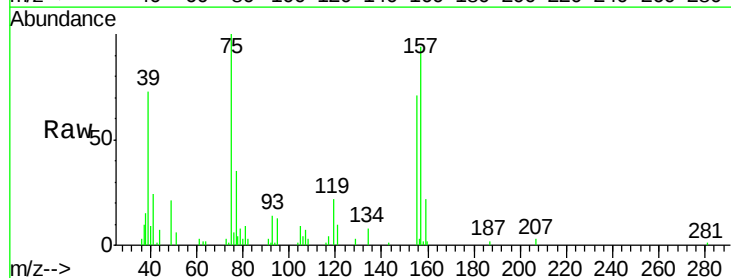
Manual Integrations
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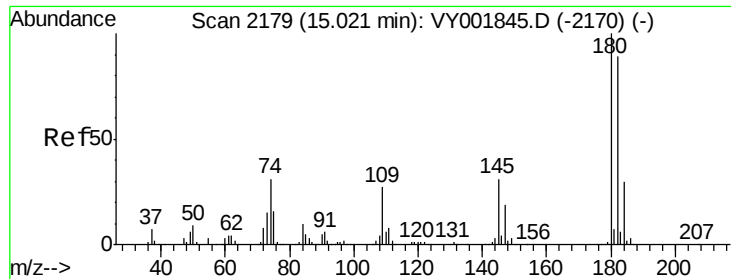
MMDadoda
 3/16/2020 11:42:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.996 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	42.9	128.7
157	97.0	53.1	159.4





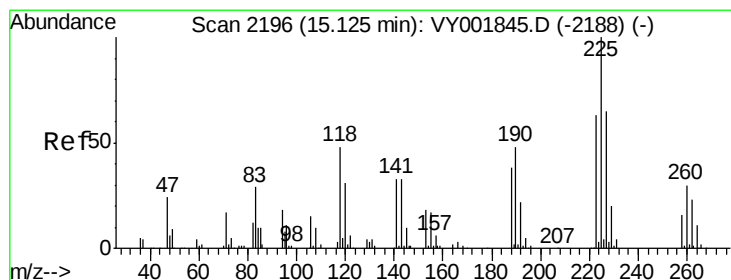
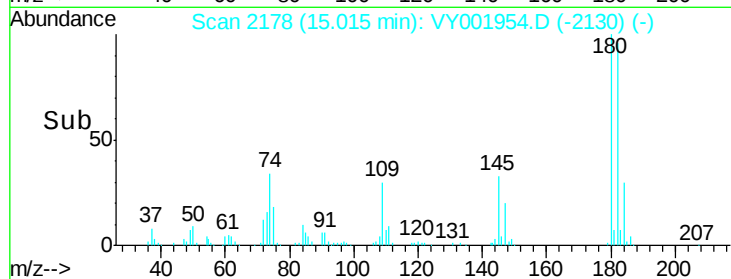
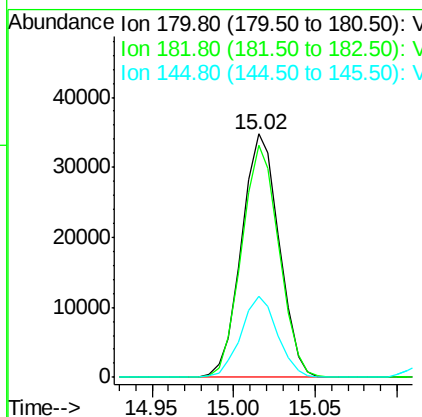
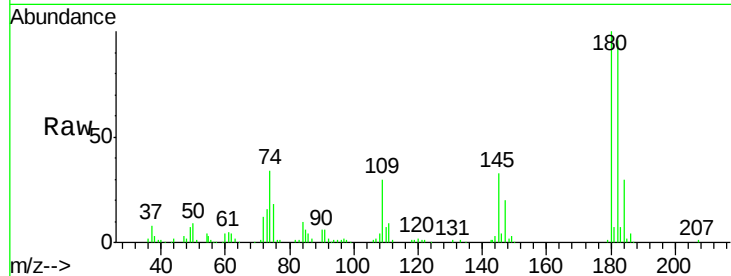
#93
 1,2,4-Trichlorobenzene
 Concen: 20.556 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55789		
182	94.6		46.1	138.3
145	32.4		15.6	46.8

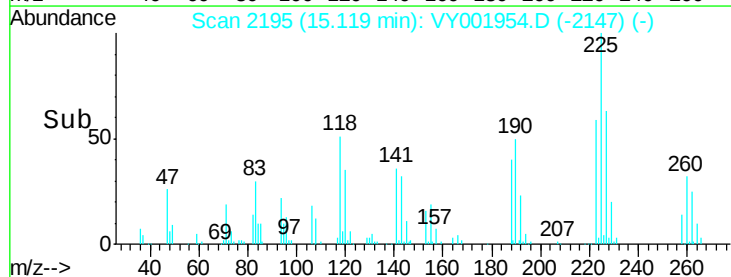
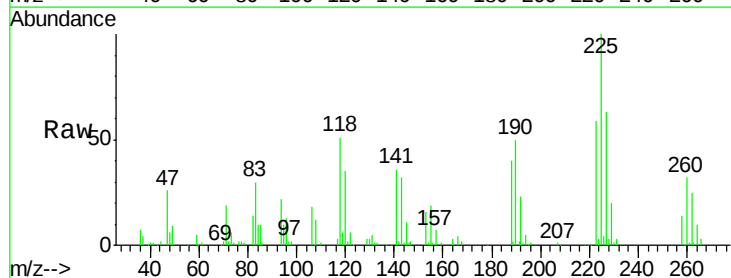
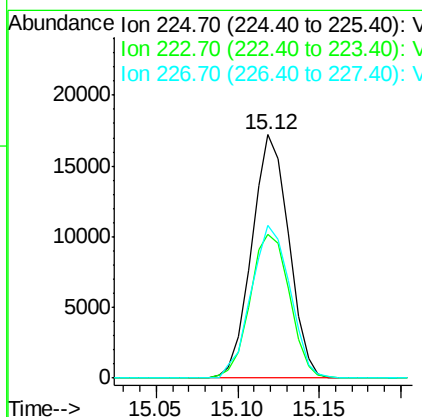
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#94
 Hexachlorobutadiene
 Concen: 20.511 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001954.D
 Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27139		
223	62.8		31.5	94.5
227	65.9		31.9	95.5





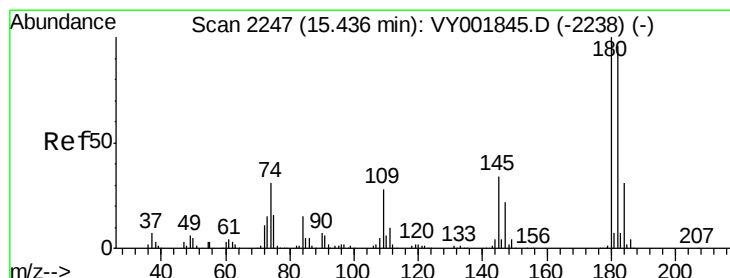
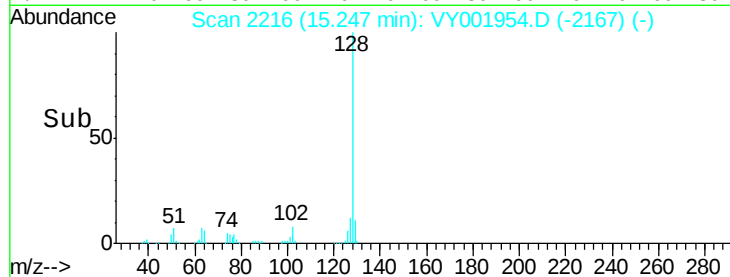
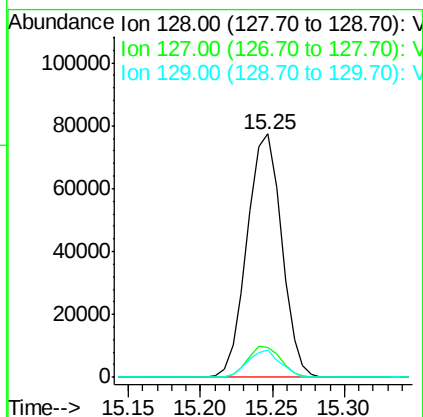
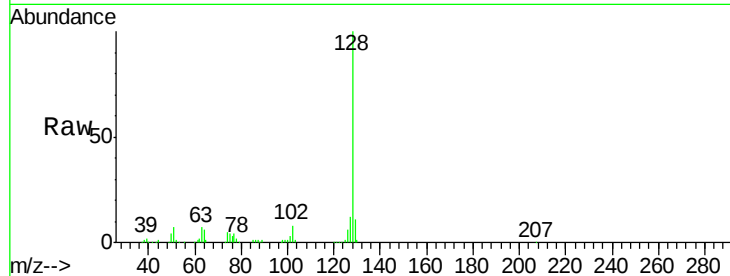
#95
Naphthalene
Concen: 19.977 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.659 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY001954.D
Acq: 12 Mar 2020 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.6	142.9
145	32.8	16.8	50.3

