

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
 Data File : VY001937.D
 Acq On : 11 Mar 2020 12:57
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:46:14 PM

Quant Time: Mar 12 02:10:17 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	7.81	168	163954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	299712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	268333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91639	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.74	113	83248	50.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.19	98	347163	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.49	95	122814	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29963	19.798	ug/l	93
3) Chloromethane	2.12	50	41488	20.333	ug/l	100
4) Vinyl Chloride	2.26	62	42320	20.391	ug/l	99
5) Bromomethane	2.65	94	28033	19.563	ug/l	98
6) Chloroethane	2.80	64	27279	20.923	ug/l	92
7) Trichlorofluoromethane	3.14	101	56971	20.240	ug/l	100
8) Diethyl Ether	3.55	74	24146	21.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37861	20.913	ug/l	99
10) Methyl Iodide	4.11	142	40780	19.478	ug/l	99
11) Tert butyl alcohol	4.97	59	32096	168.883	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	37934	20.810	ug/l	100
13) Acrolein	3.75	56	23634	96.088	ug/l	94
14) Allyl chloride	4.50	41	68107	21.075	ug/l	98
15) Acrylonitrile	5.19	53	64006	107.971	ug/l	100
16) Acetone	3.97	43	52839	103.647	ug/l	97
17) Carbon Disulfide	4.21	76	119721	19.537	ug/l	100
18) Methyl Acetate	4.50	43	28000	21.376	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	104466	21.148	ug/l	97
20) Methylene Chloride	4.74	84	50852	23.274	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	42308	20.448	ug/l	97
22) Diisopropyl ether	6.14	45	141714	21.393	ug/l	97
23) Vinyl Acetate	6.08	43	462882	106.590	ug/l	99
24) 1,1-Dichloroethane	6.04	63	74303	20.713	ug/l	99
25) 2-Butanone	7.01	43	83135	107.235	ug/l	97
26) 2,2-Dichloropropane	7.00	77	62376	21.186	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	47502	21.106	ug/l	99
28) Bromochloromethane	7.35	49	34236	21.174	ug/l	99
29) Tetrahydrofuran	7.37	42	55160	107.143	ug/l	99
30) Chloroform	7.53	83	71164	21.115	ug/l	93
31) Cyclohexane	7.80	56	79019	20.544	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59082	20.799	ug/l	99
36) 1,1-Dichloropropene	7.94	75	59398	20.595	ug/l	99
37) Ethyl Acetate	7.10	43	38207	22.793	ug/l	99
38) Carbon Tetrachloride	7.92	117	49895	20.251	ug/l #	92

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78257	20.458	ug/l	100
40) Benzene	8.18	78	178960	20.934	ug/l	100
41) Methacrylonitrile	7.33	41	13564m	17.980	ug/l	
42) 1,2-Dichloroethane	8.25	62	47331	21.486	ug/l	99
43) Isopropyl Acetate	8.29	43	67795	21.362	ug/l	98
44) Trichloroethene	8.95	130	43252	20.775	ug/l	98
45) 1,2-Dichloropropane	9.23	63	44880	20.884	ug/l	99
46) Dibromomethane	9.32	93	22941	20.716	ug/l	99
47) Bromodichloromethane	9.51	83	53629	20.818	ug/l	100
48) Methyl methacrylate	9.31	41	29688	21.082	ug/l	98
49) 1,4-Dioxane	9.31	88	6623	436.461	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	179892	110.049	ug/l	98
52) Toluene	10.25	92	107705	20.740	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	59691	21.268	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	70156	20.998	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	33735	20.815	ug/l	97
56) Ethyl methacrylate	10.52	69	50184	21.125	ug/l	95
57) 1,3-Dichloropropane	10.80	76	59797	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	133814	148.025	ug/l	99
59) 2-Hexanone	10.84	43	123301	105.680	ug/l	99
60) Dibromochloromethane	10.99	129	35908	21.026	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32039	20.870	ug/l	99
64) Tetrachloroethene	10.73	164	34826	20.696	ug/l	99
65) Chlorobenzene	11.52	112	111389	20.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	37176	21.203	ug/l	99
67) Ethyl Benzene	11.60	91	209136	20.973	ug/l	97
68) m/p-Xylenes	11.71	106	154975	42.038	ug/l	100
69) o-Xylene	12.03	106	72647	20.908	ug/l	100
70) Styrene	12.05	104	126036	21.178	ug/l	99
71) Bromoform	12.21	173	19751	20.772	ug/l #	99
73) Isopropylbenzene	12.34	105	194237	19.822	ug/l	99
74) N-amyl acetate	12.15	43	62763	20.840	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	43431	20.552	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31017m	20.364	ug/l	
77) Bromobenzene	12.61	156	42883	20.655	ug/l	96
78) n-propylbenzene	12.67	91	245747	20.328	ug/l	99
79) 2-Chlorotoluene	12.76	91	134549	20.145	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	165149	20.472	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14821	19.655	ug/l	97
82) 4-Chlorotoluene	12.86	91	140413	20.191	ug/l	98
83) tert-Butylbenzene	13.08	119	140863	21.023	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	164295	20.522	ug/l	100
85) sec-Butylbenzene	13.26	105	205535	20.811	ug/l	100
86) p-Isopropyltoluene	13.38	119	178621	20.966	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	84725	20.825	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84014	20.355	ug/l	97
89) n-Butylbenzene	13.70	91	184234	20.843	ug/l	99
90) Hexachloroethane	13.97	117	32871	20.452	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	76990	20.830	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6979	21.165	ug/l	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48995	20.440	ug/l	95
94) Hexachlorobutadiene	15.11	225	24454	20.926	ug/l	99
95) Naphthalene	15.24	128	117778	20.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	44014	20.844	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBSD01

Tot Ion:168 Resp: 163954

Ion Ratio Lower Upper

168 100

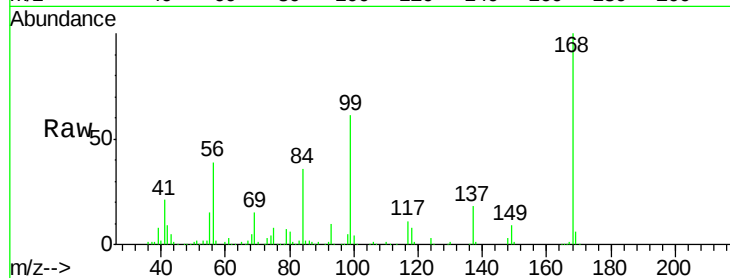
99 60.9 46.7 70.1

Manual Integrations

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3/12/2020 2:46:14 PM



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

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

7.81

80000

60000

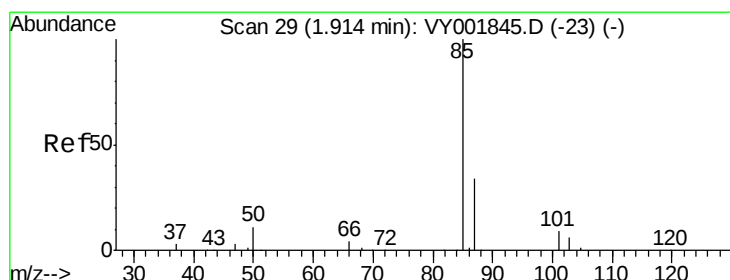
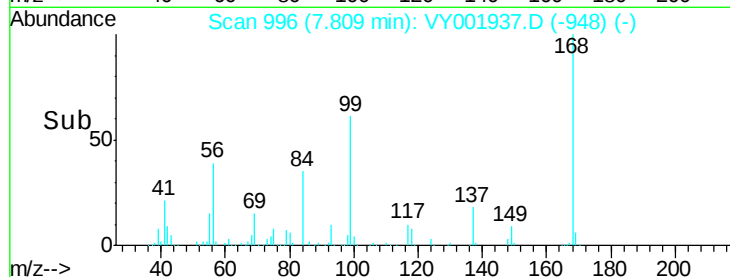
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.798 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001937.D

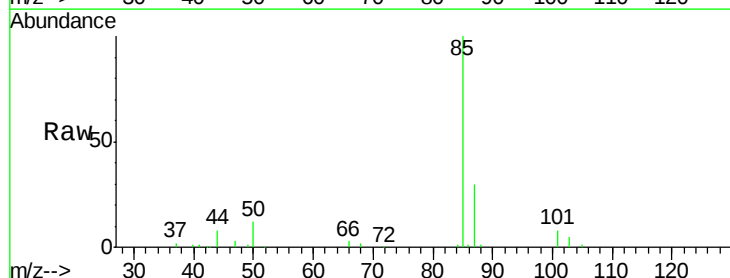
Acq: 11 Mar 2020 12:57

Tgt Ion: 85 Resp: 29963

Ion Ratio Lower Upper

85 100

87 29.8 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

25000

20000

15000

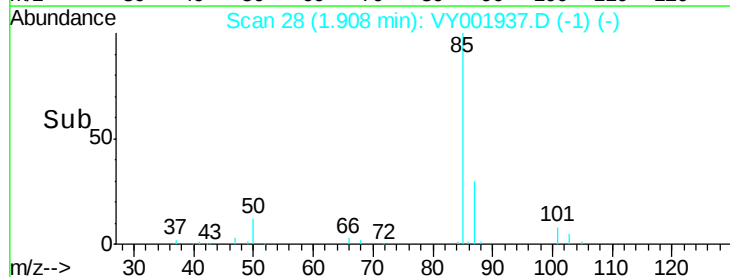
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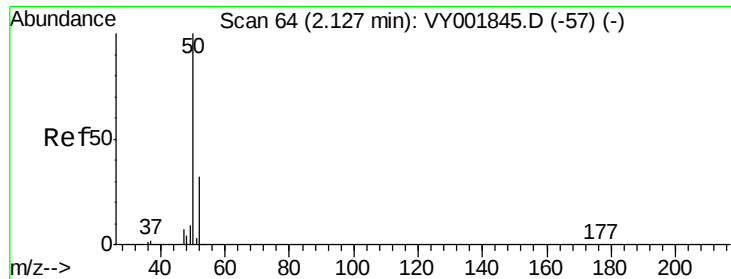
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.333 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBSD01

Tot Ion: 50 Resp: 41488

Ion Ratio Lower Upper

50 100

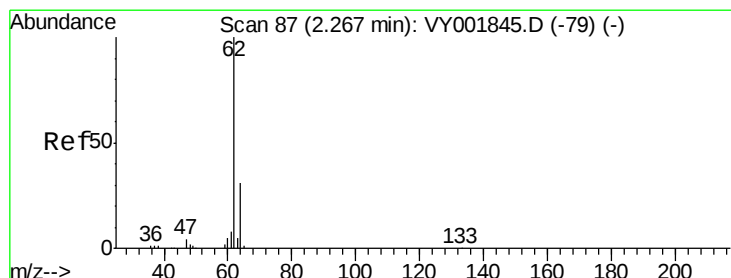
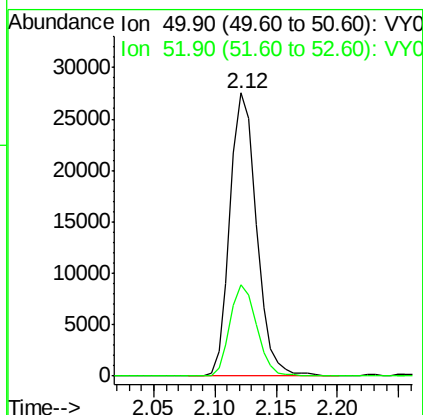
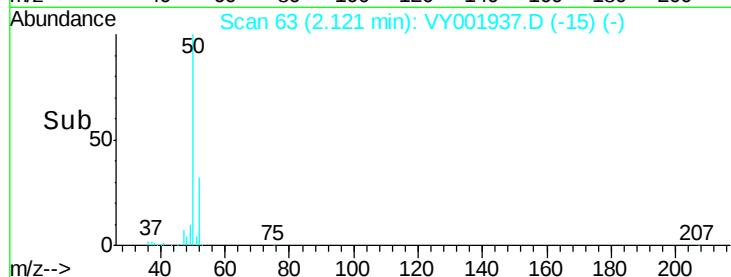
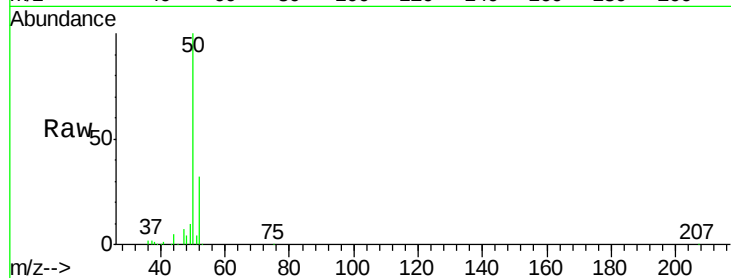
52 32.2 25.8 38.6

Manual Integrations

APPROVED

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3/12/2020 2:46:14 PM



#4

Vinyl Chloride

Concen: 20.391 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001937.D

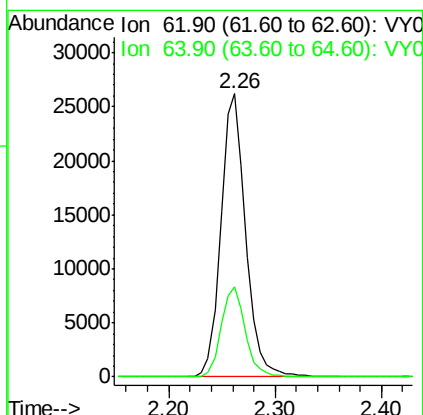
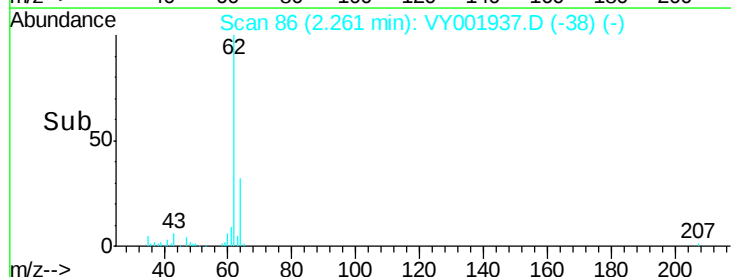
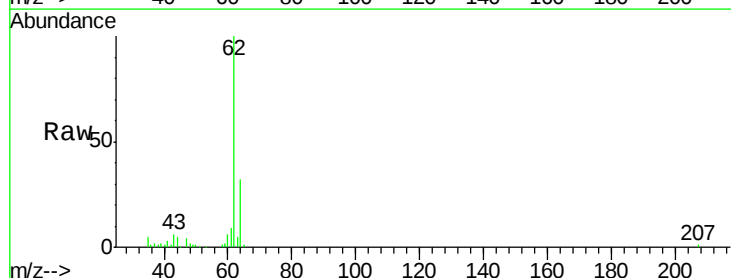
Acq: 11 Mar 2020 12:57

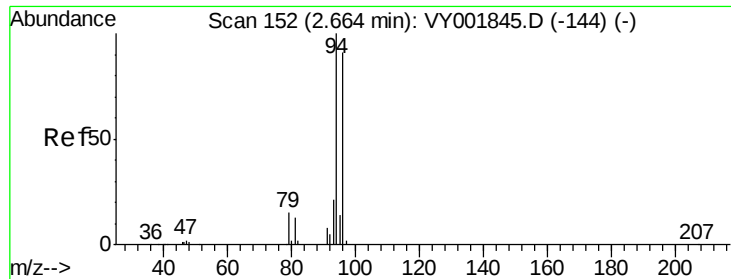
Tgt Ion: 62 Resp: 42320

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 19.563 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBSD01

Tot Ion: 94 Resp: 28033

Ion Ratio Lower Upper

94 100

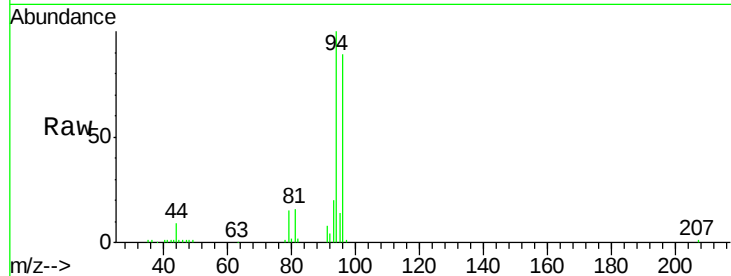
96 89.2 73.2 109.8

Manual Integrations

APPROVED

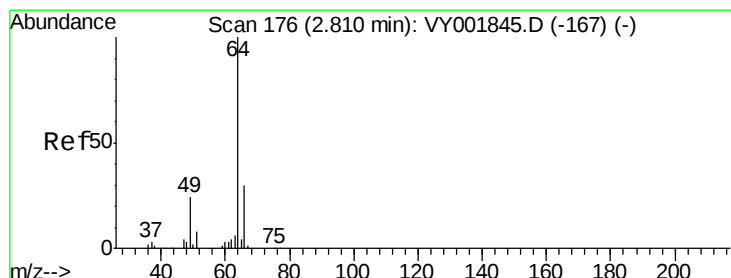
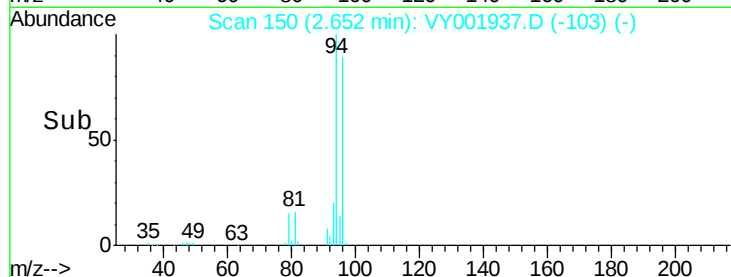
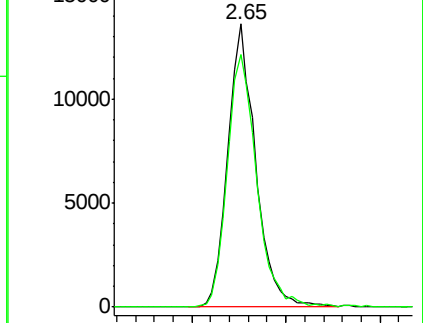
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3/12/2020 2:46:14 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.923 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001937.D

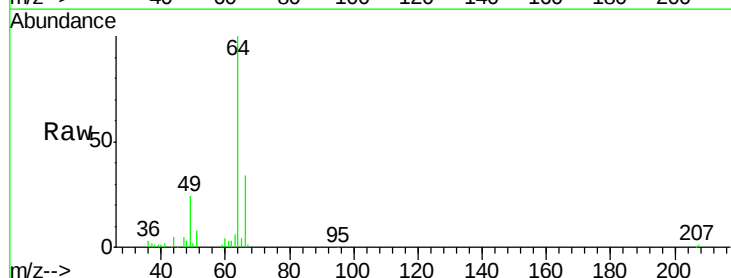
Acq: 11 Mar 2020 12:57

Tgt Ion: 64 Resp: 27279

Ion Ratio Lower Upper

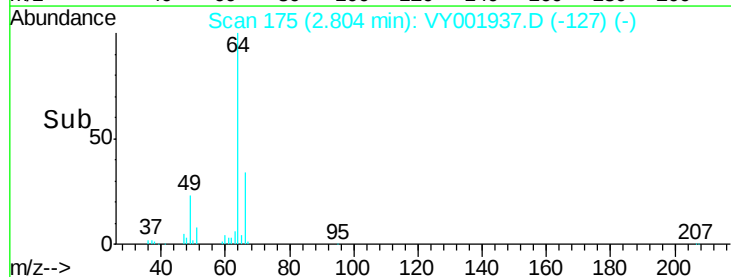
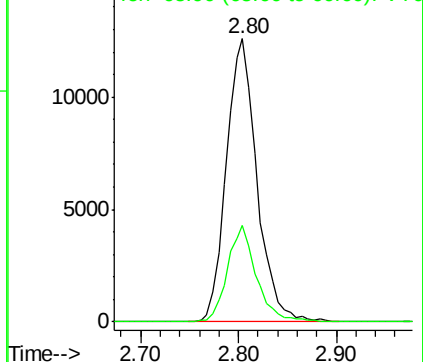
64 100

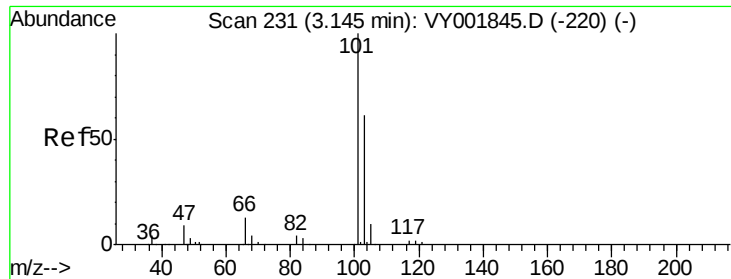
66 33.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

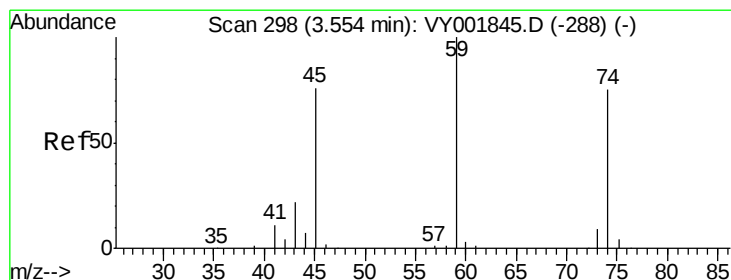
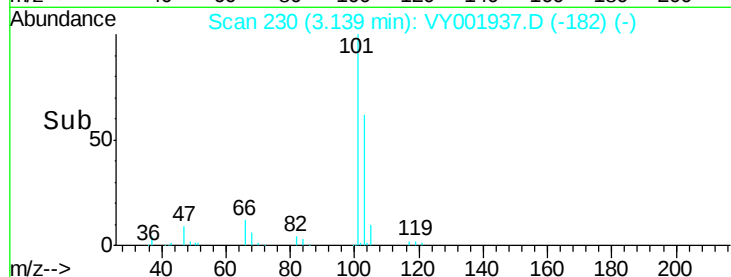
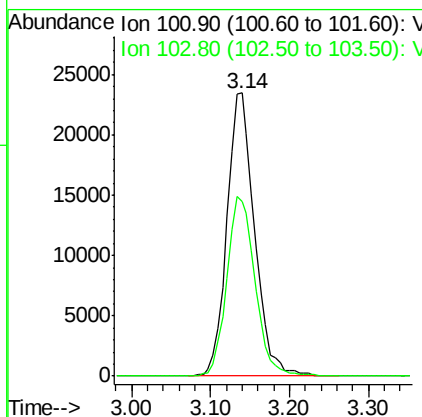
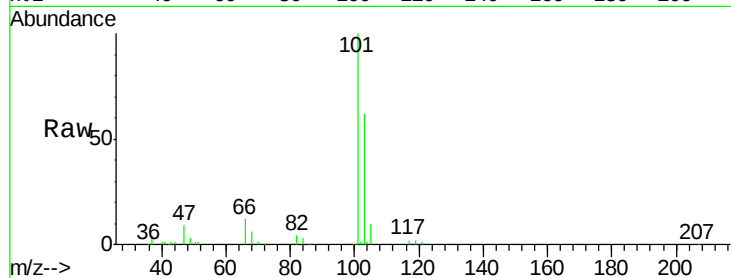
Trichlorofluoromethane
Concen: 20.240 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

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ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.1	73.7

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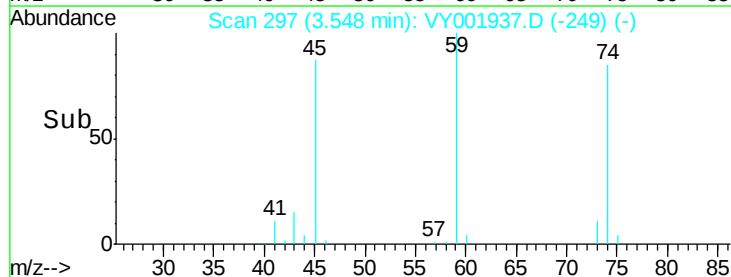
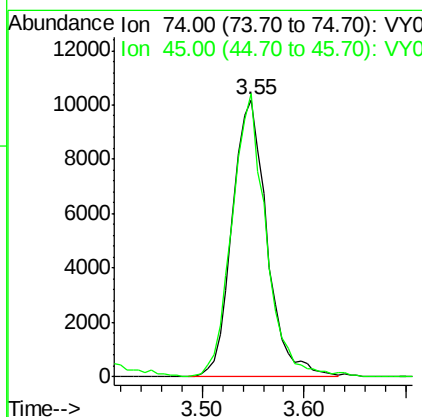
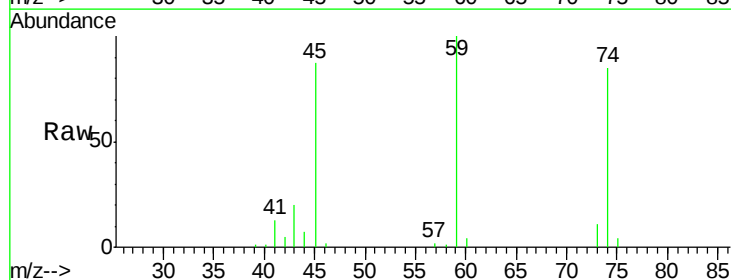
MMDadoda
3/12/2020 2:46:14 PM

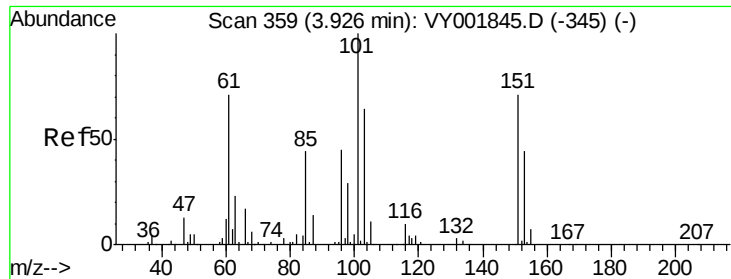


#8

Diethyl Ether
Concen: 21.766 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.913 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

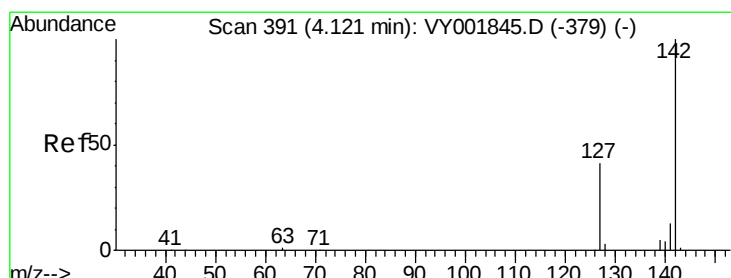
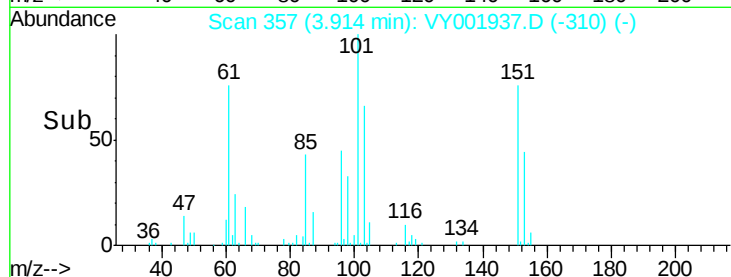
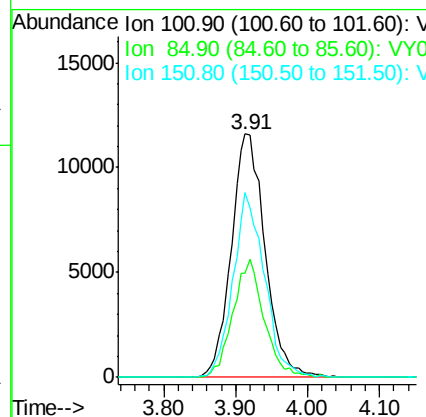
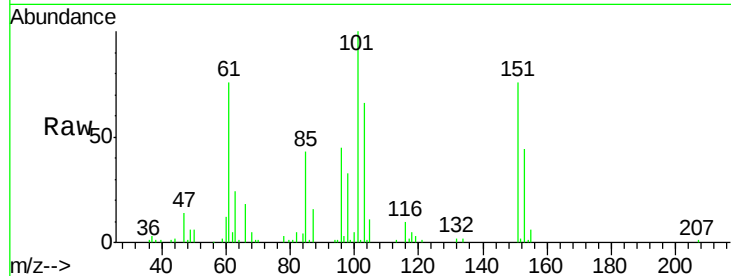
ClientSampleId :

VY0311SBSD01

Tot Ion:	101	Resp:	37861
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	70.5	57.0	85.4

Manual Integrations
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MMDadoda
3/12/2020 2:46:14 PM



#10

Methyl Iodide

Concen: 19.478 ug/l

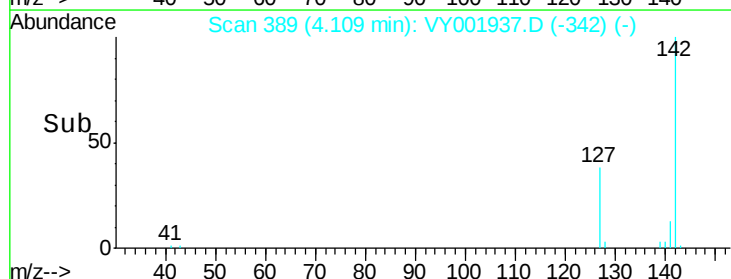
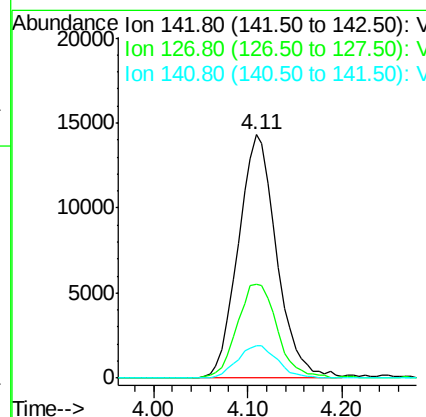
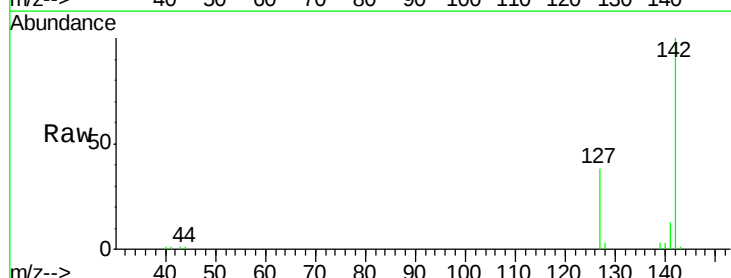
RT: 4.11 min Scan# 389

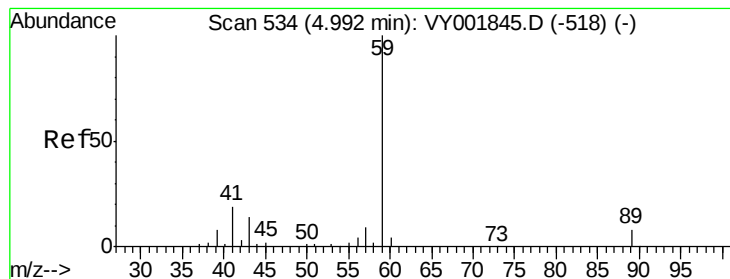
Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Tgt Ion:	142	Resp:	40780
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.7	49.1
141	14.0	11.0	16.6





#11

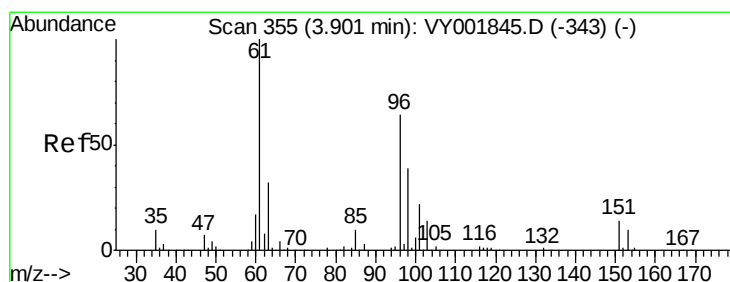
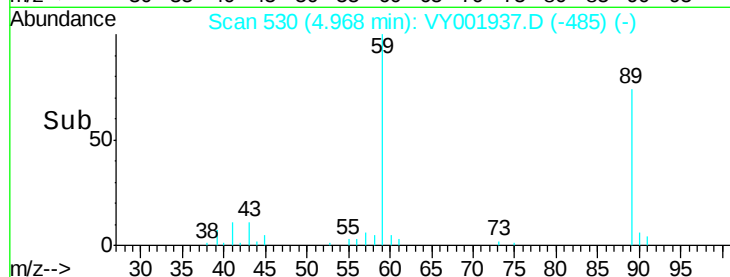
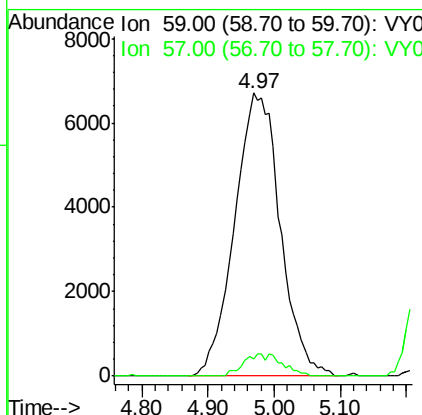
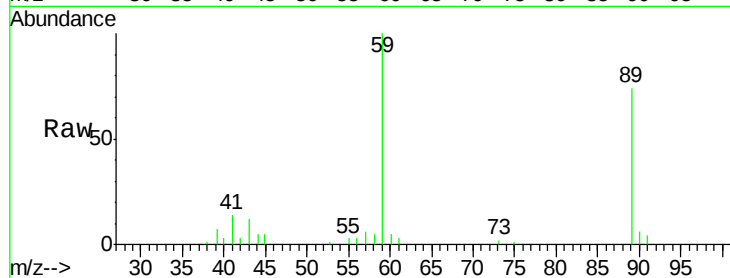
Tert butyl alcohol
 Concen: 168.883 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Tot Ion	59	57	Ratio	100	3.7	Resp	32096	Lower	7.4	Upper	11.2#
Ion	59	57	Ratio	100	3.7	Resp	32096	Lower	7.4	Upper	11.2#

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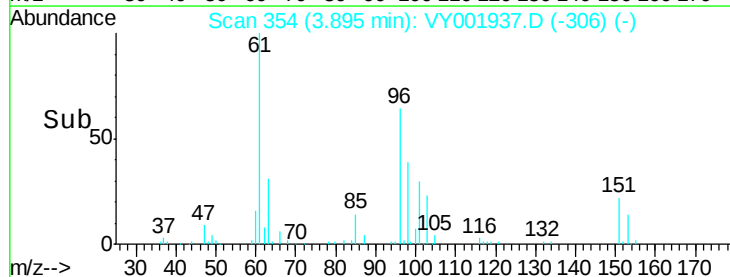
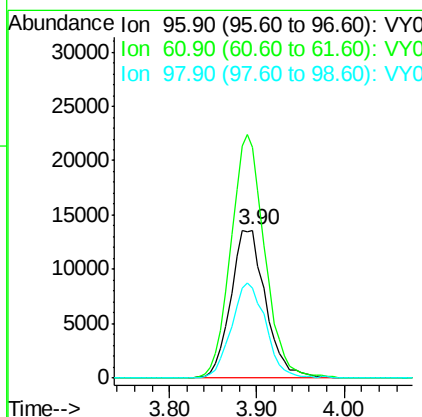
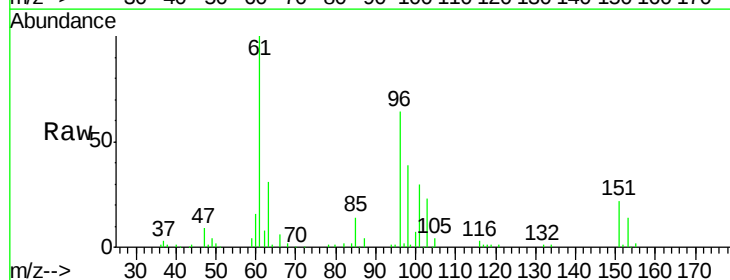
MMDadoda
 3/12/2020 2:46:14 PM

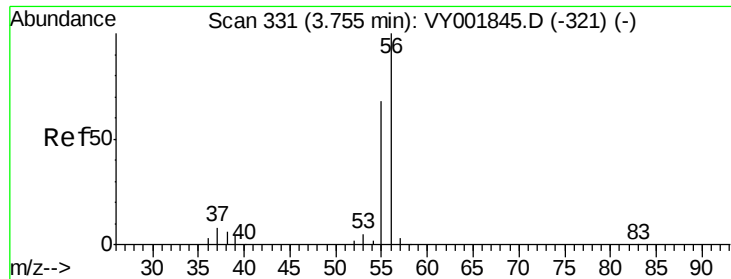


#12

1,1-Dichloroethene
 Concen: 20.810 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	96	61	98	Ratio	100	156.3	60.9	Resp	37934	Lower	124.8	49.2	Upper	187.2	73.8
Ion	96	61	98	Ratio	100	156.3	60.9	Resp	37934	Lower	124.8	49.2	Upper	187.2	73.8





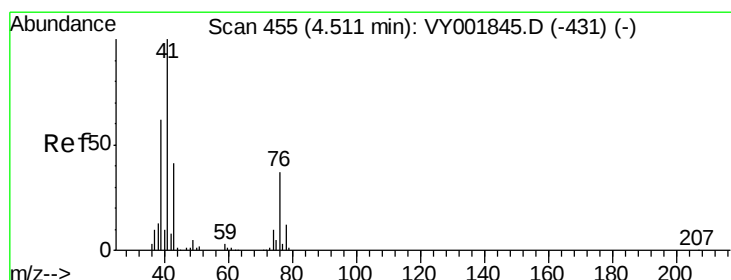
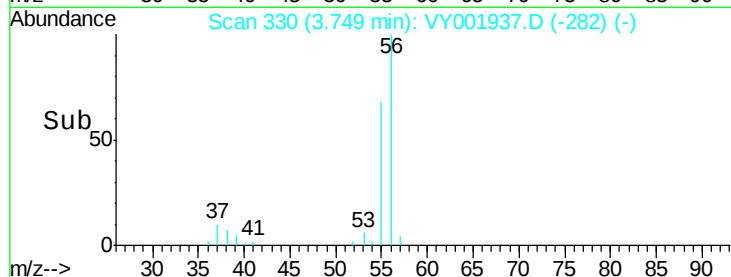
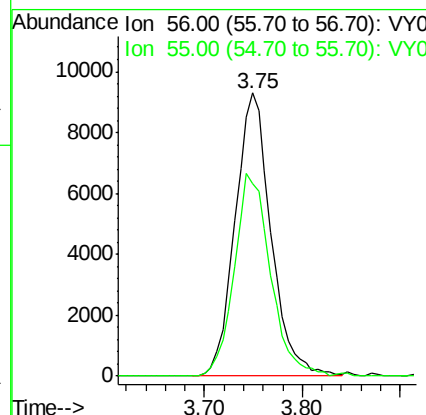
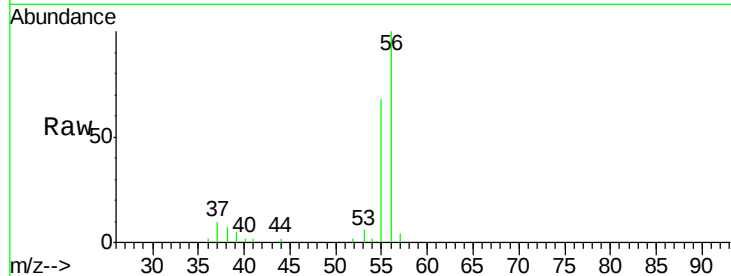
#13
Acrolein
Concen: 96.088 ug/l
RT: 3.75 min Scan# 330
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	54.0	81.0

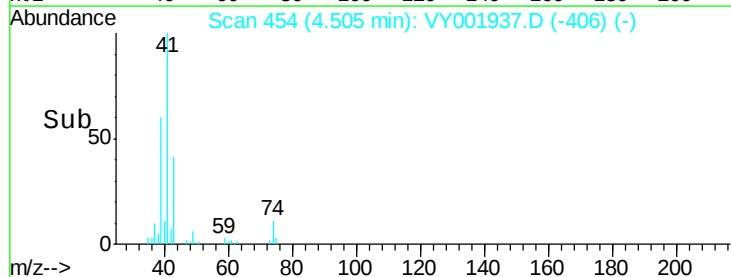
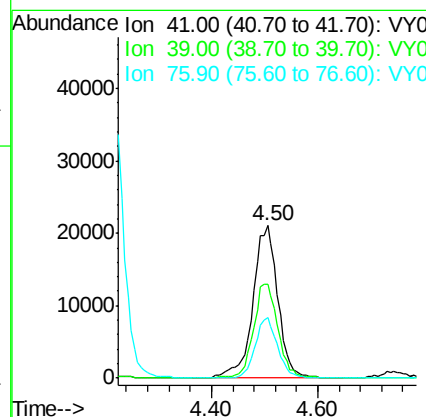
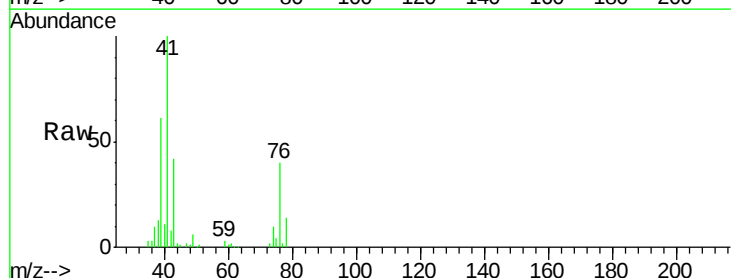
Manual Integrations
APPROVED

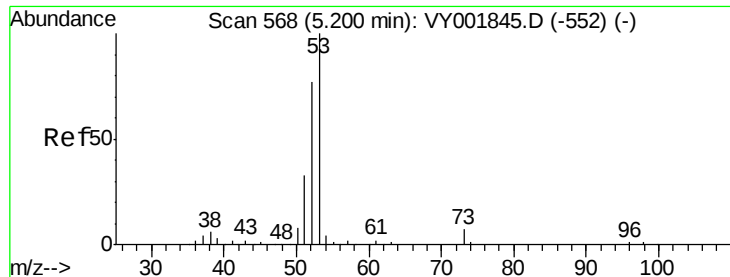
MMDadoda
3/12/2020 2:46:14 PM



#14
Allyl chloride
Concen: 21.075 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.1	49.0	73.6
76	35.2	28.9	43.3





#15

Acrylonitrile

Concen: 107.971 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

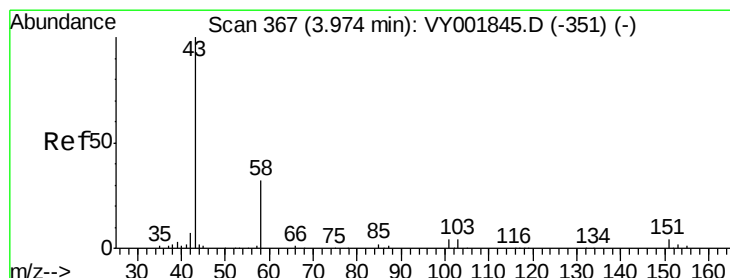
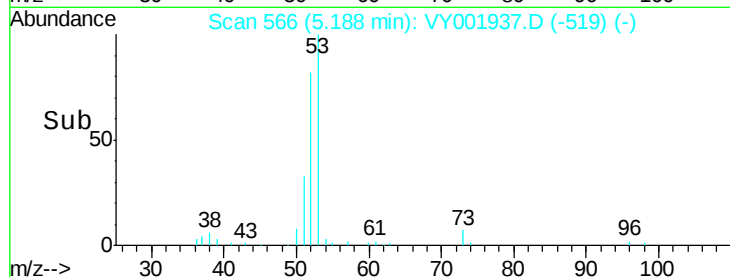
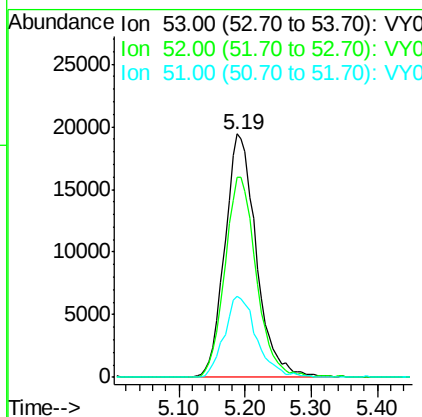
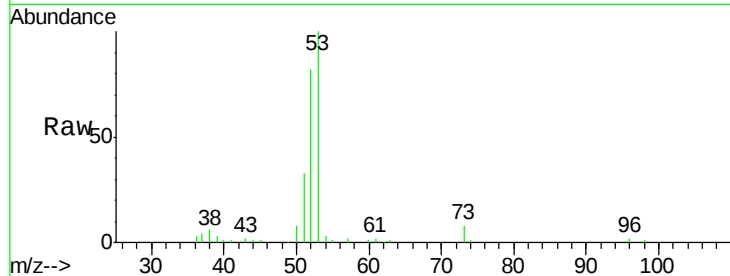
ClientSampleId :

VY0311SBSD01

Tot Ion:	53	Resp:	64006
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.1	97.7
51	34.2	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 103.647 ug/l

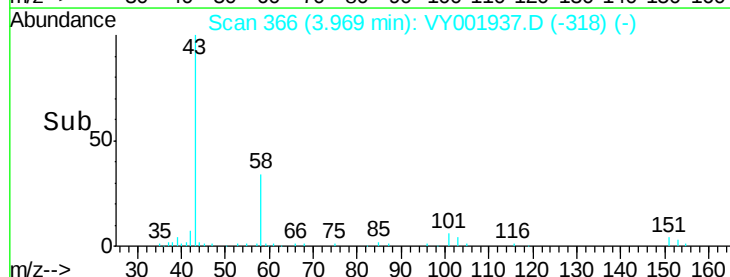
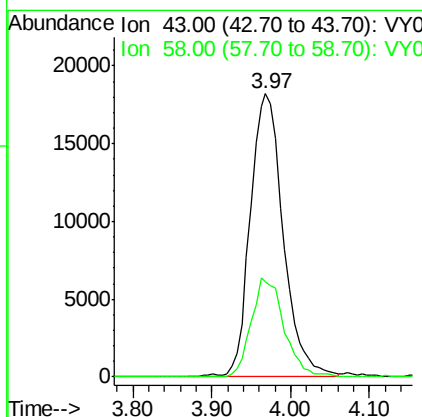
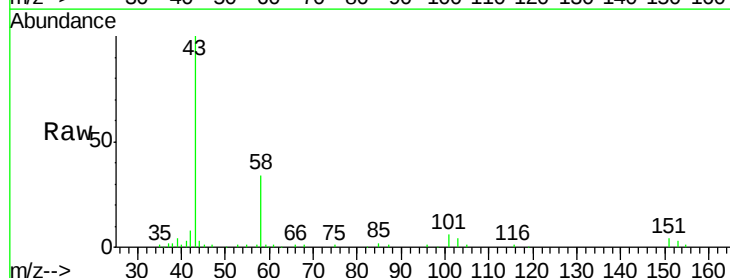
RT: 3.97 min Scan# 366

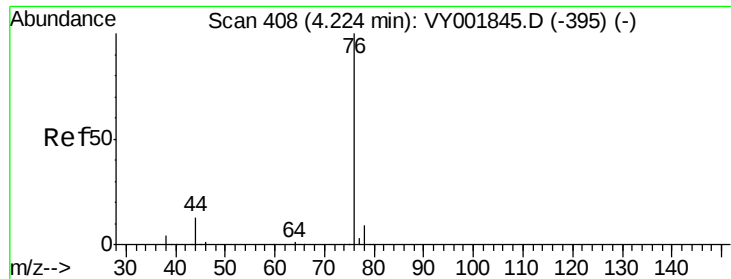
Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Tgt Ion:	43	Resp:	52839
Ion Ratio	Lower	Upper	
43	100		
58	33.8	25.9	38.9





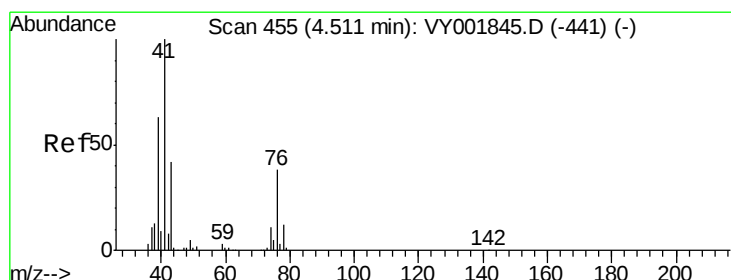
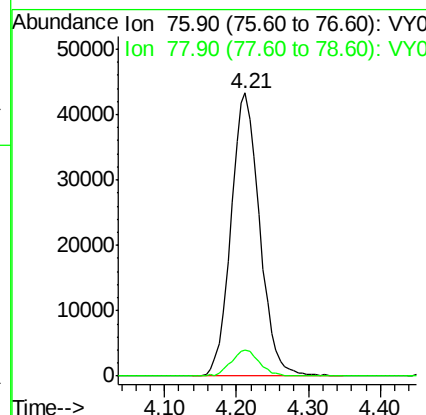
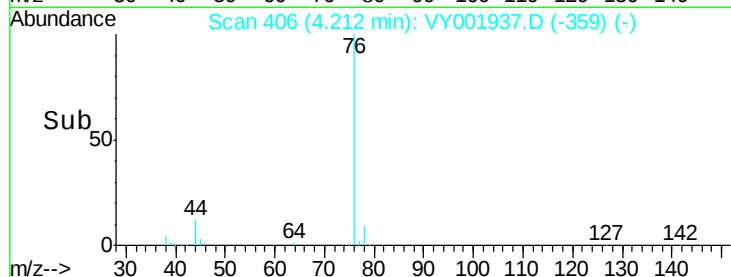
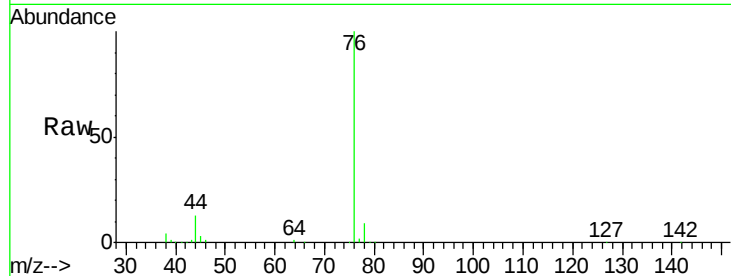
#17
Carbon Disulfide
Concen: 19.537 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

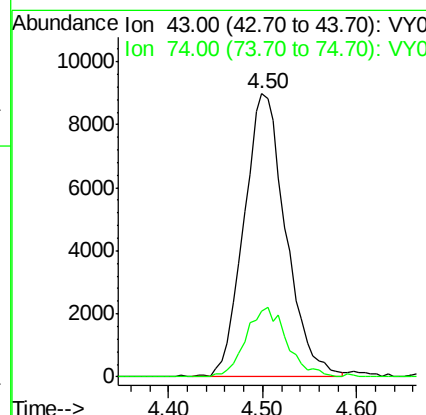
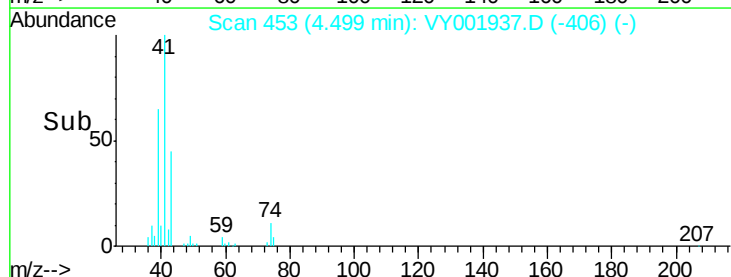
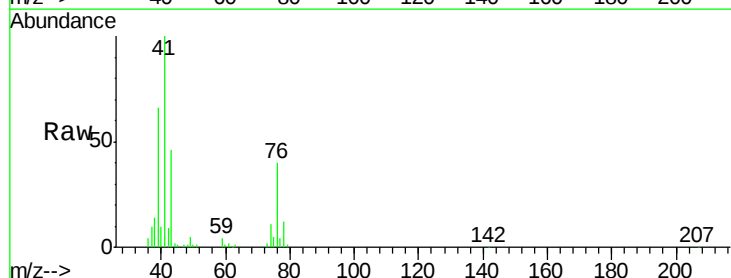
Manual Integrations
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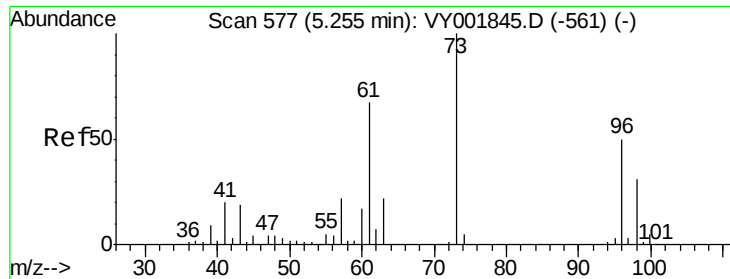
MMDadoda
3/12/2020 2:46:14 PM



#18
Methyl Acetate
Concen: 21.376 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.0	28.6





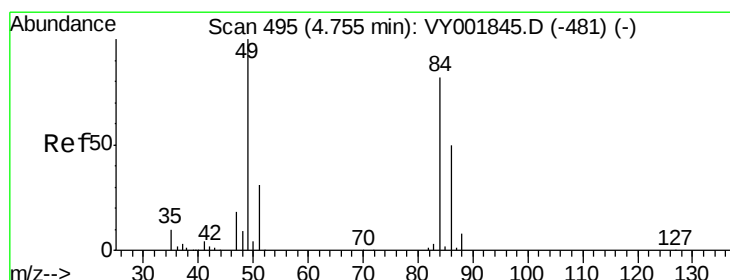
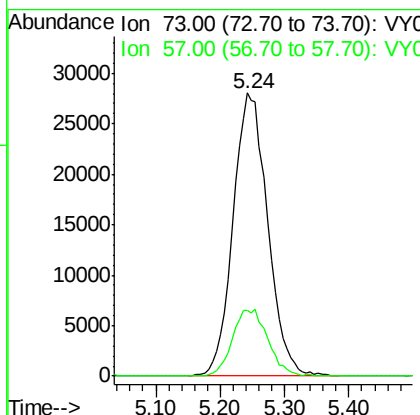
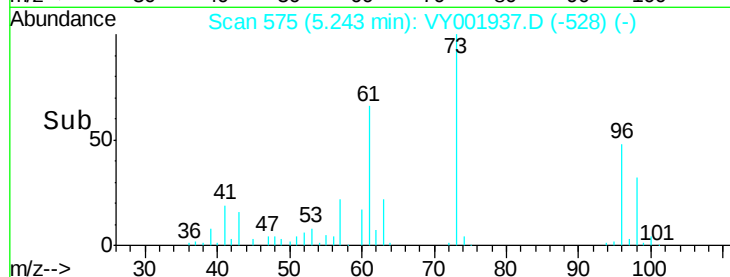
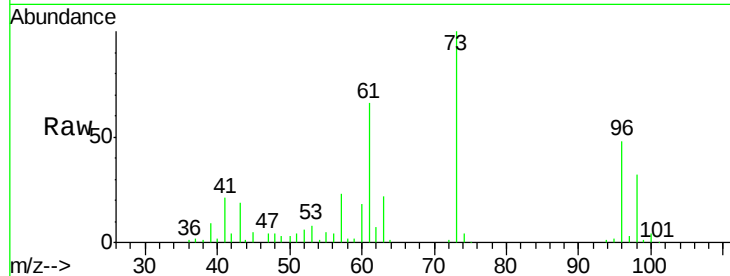
#19
Methyl tert-butyl Ether
Concen: 21.148 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion: 73 Resp: 104466
Ion Ratio Lower Upper
73 100
57 23.3 17.4 26.2

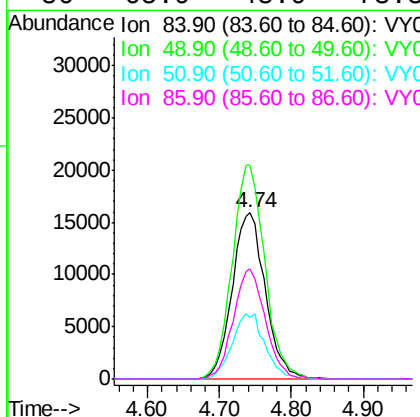
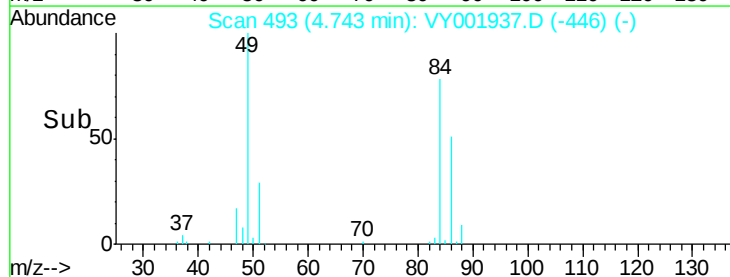
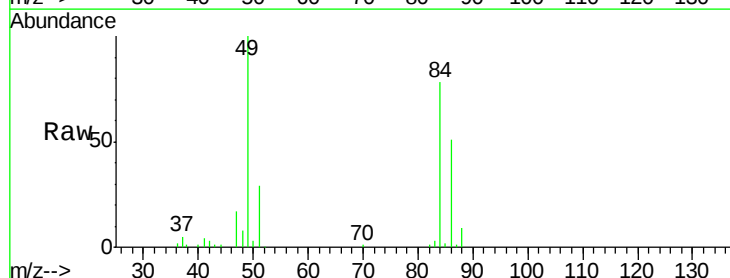
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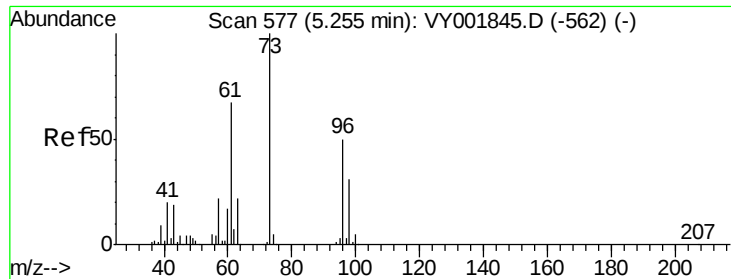
MMDadoda
3/12/2020 2:46:14 PM



#20
Methylene Chloride
Concen: 23.274 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion: 84 Resp: 50852
Ion Ratio Lower Upper
84 100
49 128.5 98.2 147.2
51 36.7 30.2 45.2
86 65.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.448 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

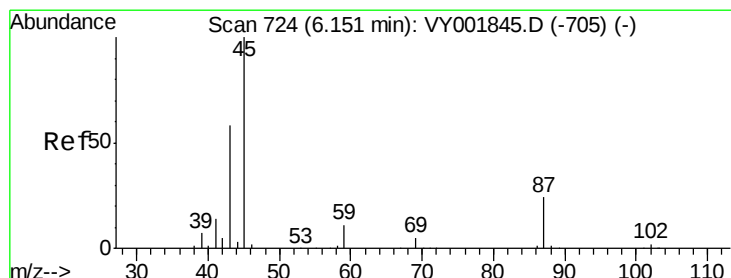
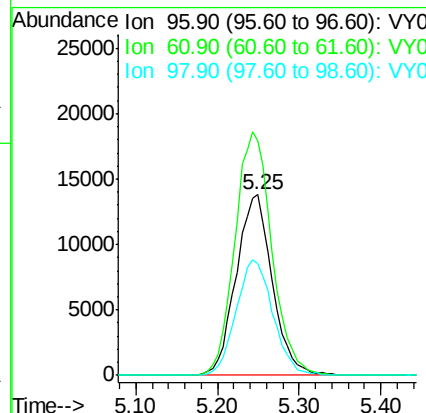
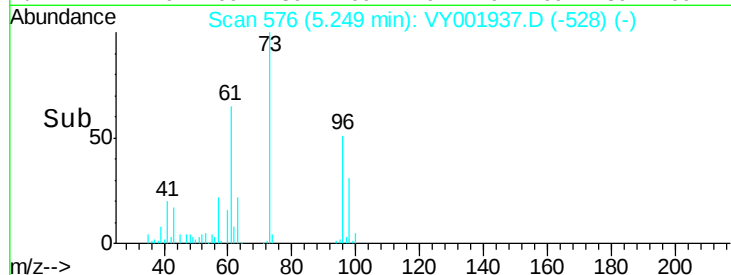
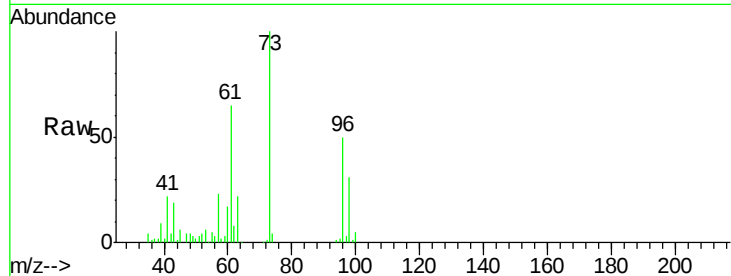
ClientSampleId :

VY0311SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	107.7	161.5
98	61.8	49.3	73.9

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#22

Diisopropyl ether

Concen: 21.393 ug/l

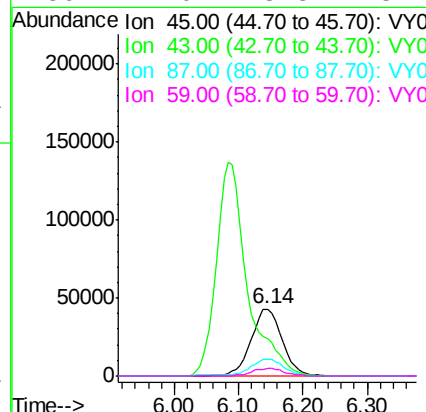
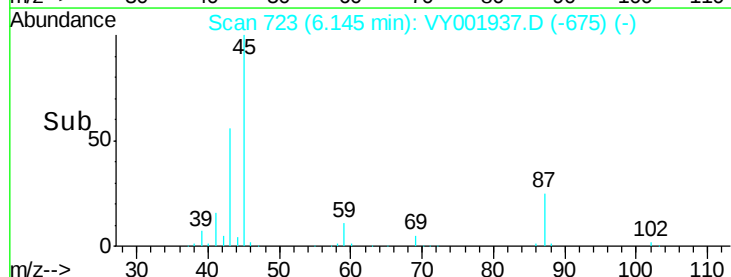
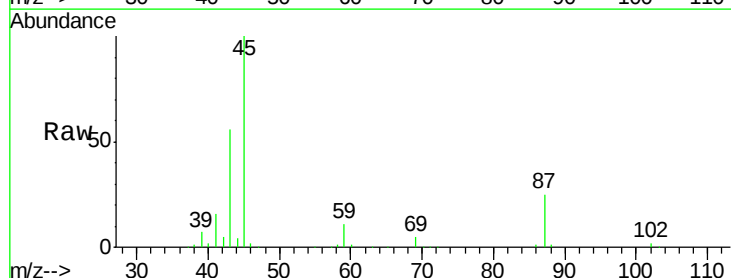
RT: 6.14 min Scan# 723

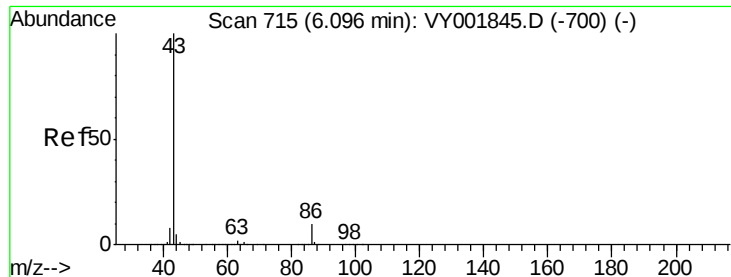
Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	47.2	70.8
87	24.8	19.8	29.8
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 106.590 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion: 43 Resp: 462882

Ion Ratio Lower Upper

43 100

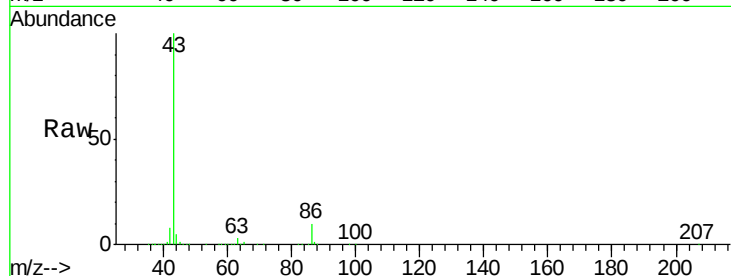
86 10.3 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

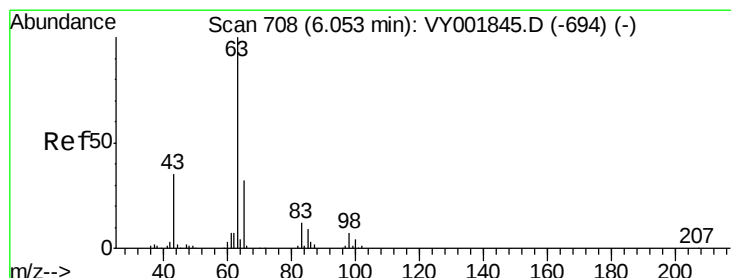
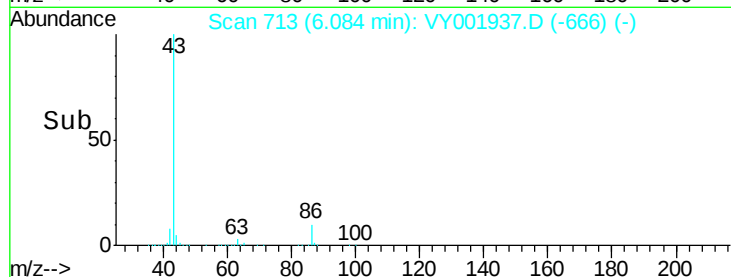
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.713 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

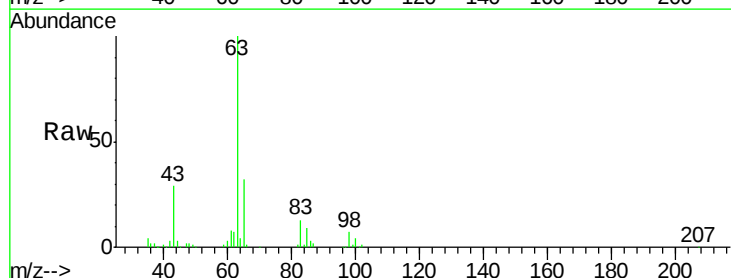
Tgt Ion: 63 Resp: 74303

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.3 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

6.04

30000

25000

20000

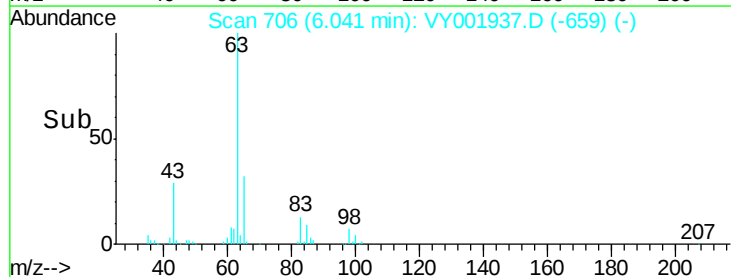
15000

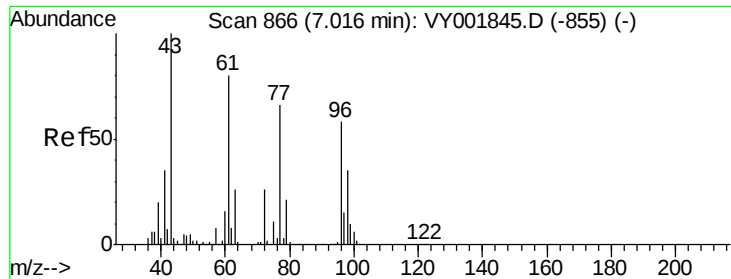
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 107.235 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion: 43 Resp: 83135

Ion Ratio Lower Upper

43 100

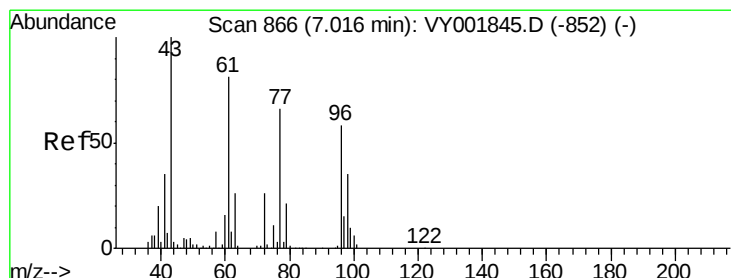
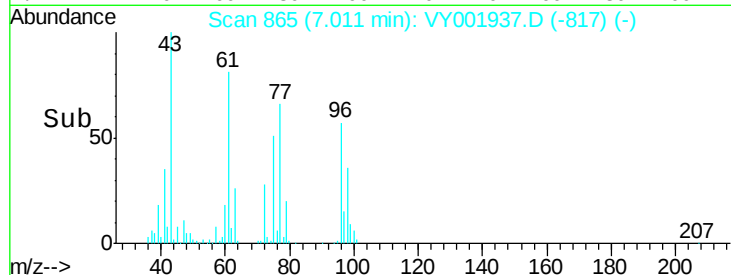
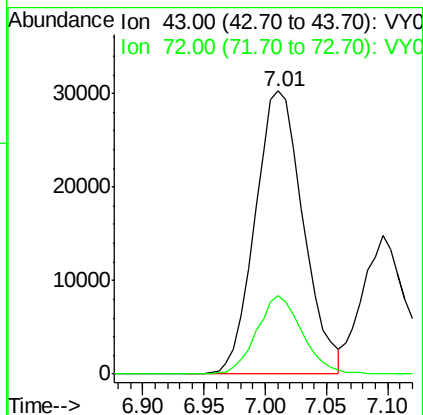
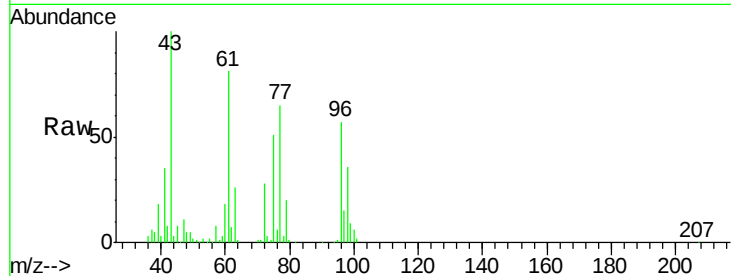
72 27.7 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:46:14 PM



#26

2,2-Dichloropropane

Concen: 21.186 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001937.D

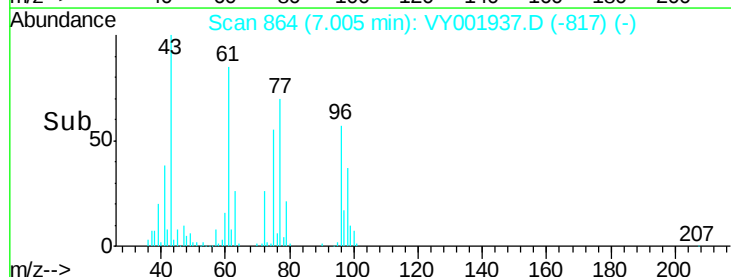
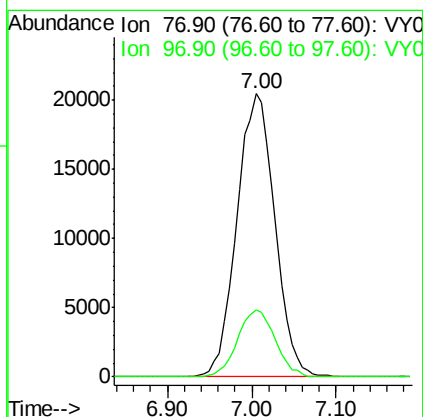
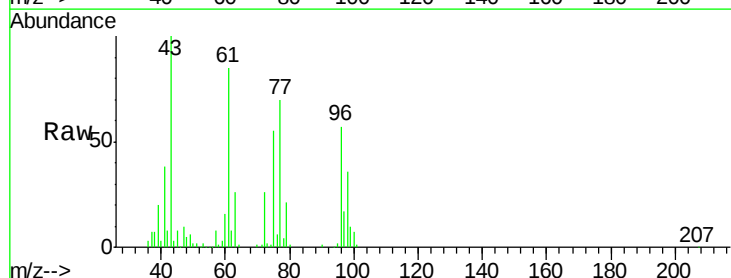
Acq: 11 Mar 2020 12:57

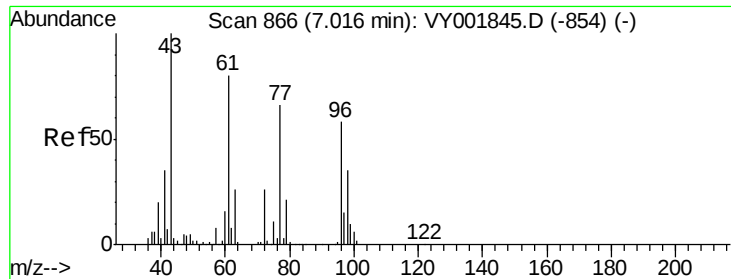
Tgt Ion: 77 Resp: 62376

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7





#27

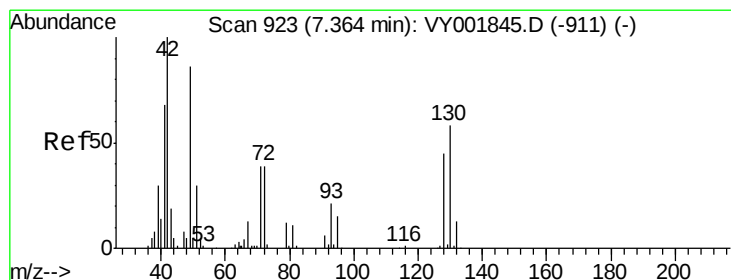
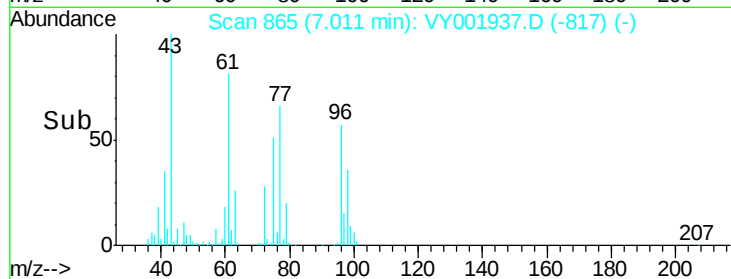
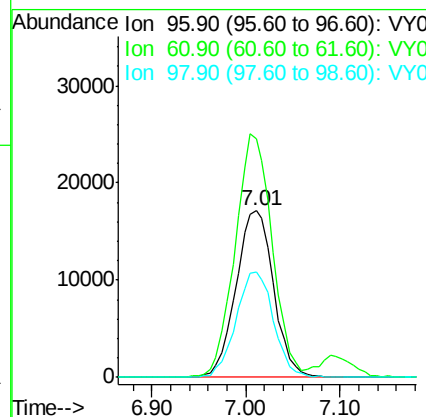
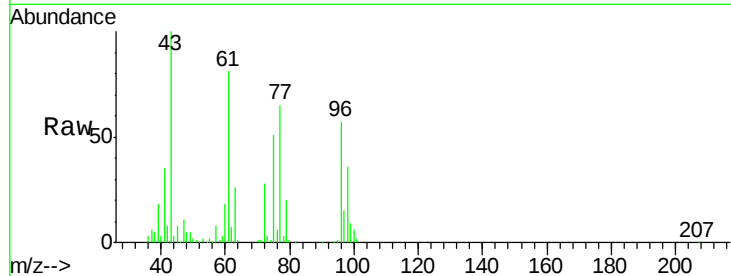
cis-1,2-Dichloroethene
Concen: 21.106 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	288.2
98	63.1	0.0	129.0

Manual Integrations
APPROVED

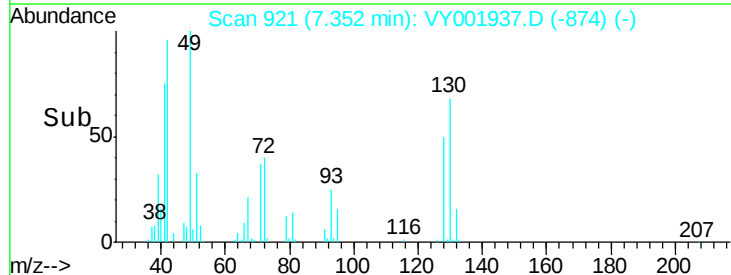
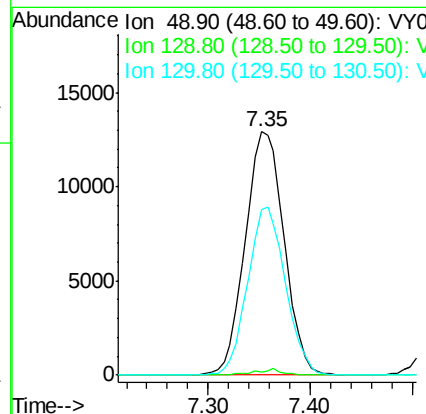
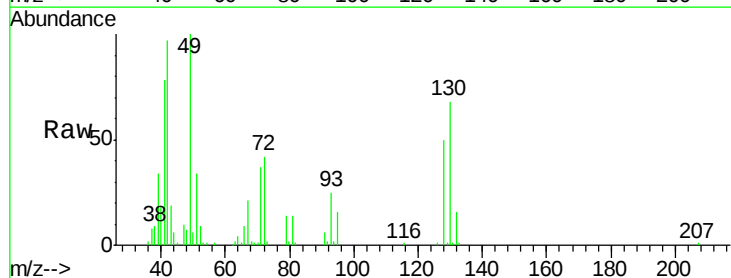
MMDadoda
3/12/2020 2:46:14 PM

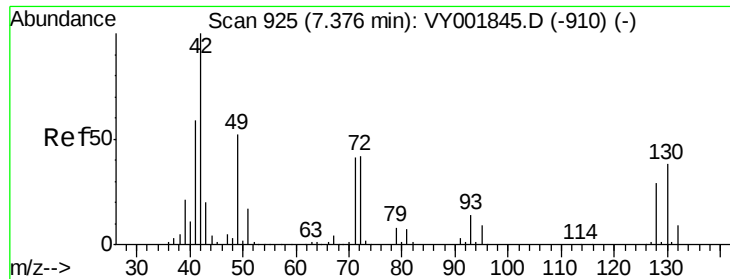


#28

Bromochloromethane
Concen: 21.174 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	67.0	54.4	81.6





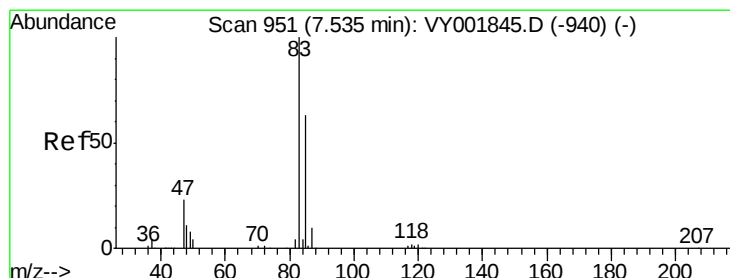
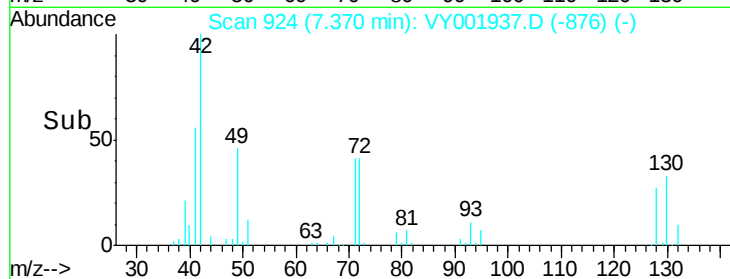
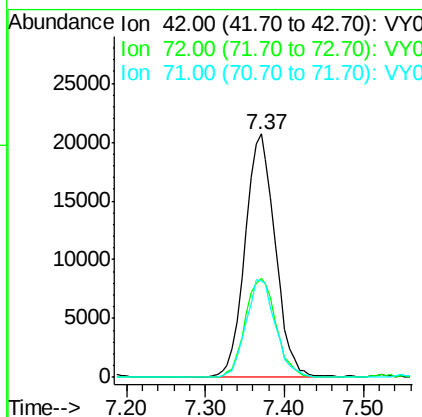
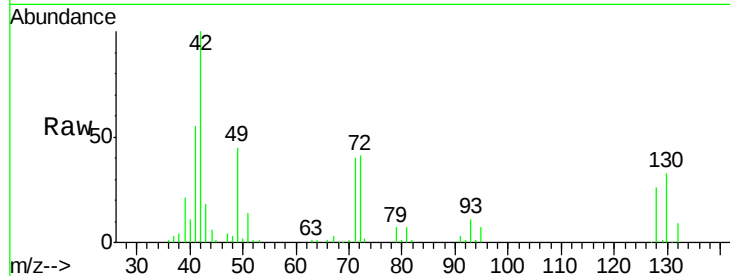
#29
Tetrahydrofuran
Concen: 107.143 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.5	50.3
71	39.4	31.3	46.9

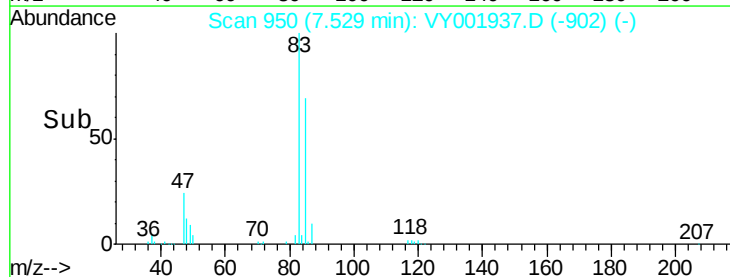
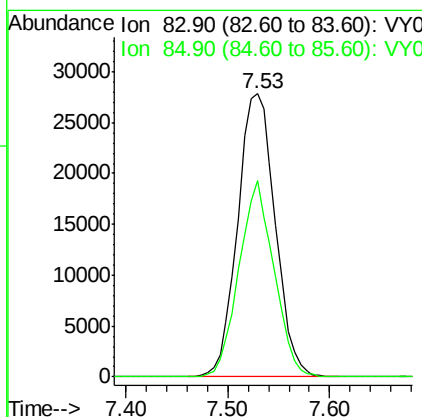
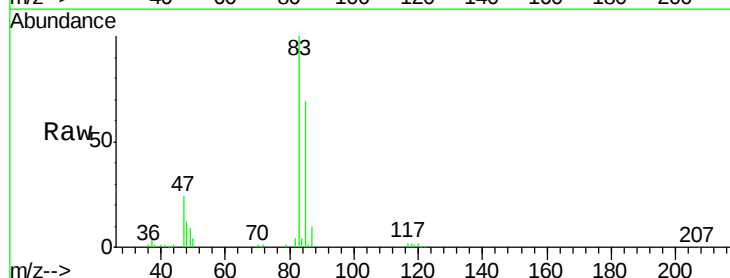
Manual Integrations
APPROVED

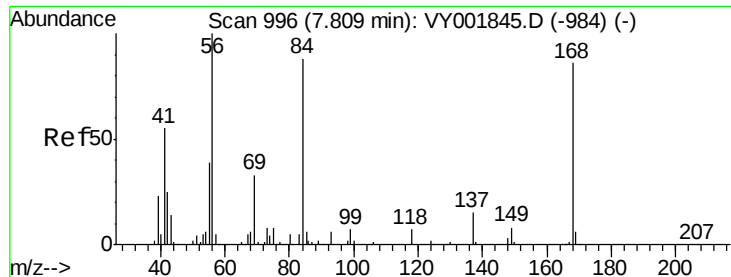
MMDadoda
3/12/2020 2:46:14 PM



#30
Chloroform
Concen: 21.115 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	50.7	76.1





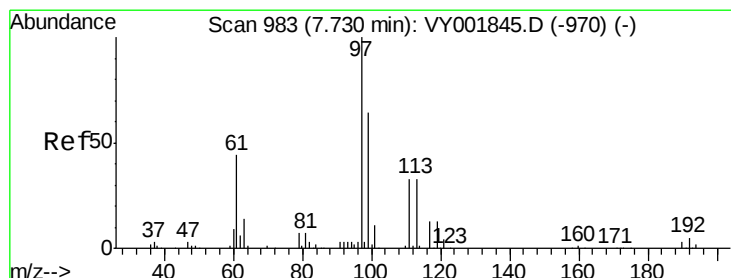
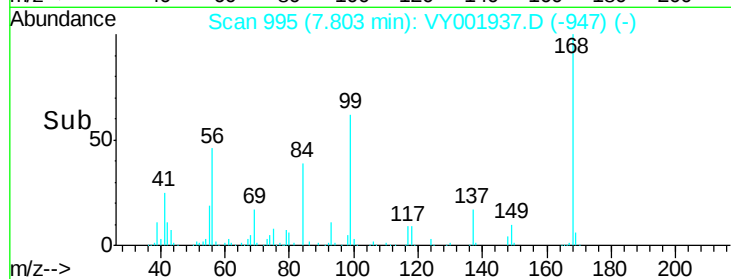
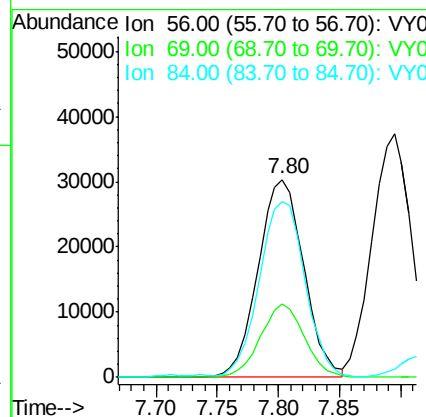
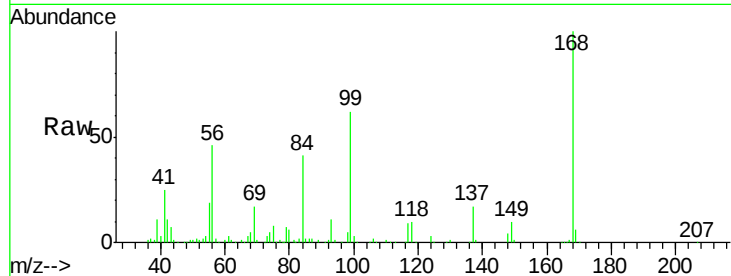
#31
Cvclohexane
Concen: 20.544 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.8	26.7	40.1	
84	87.7	70.4	105.6	

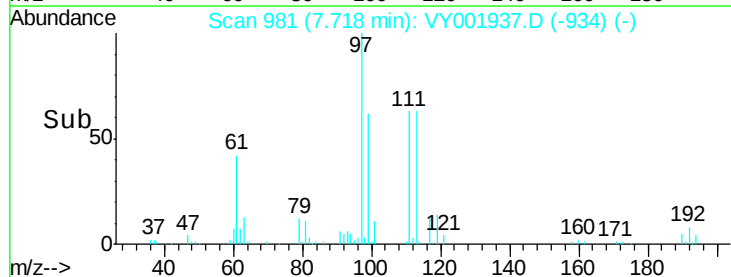
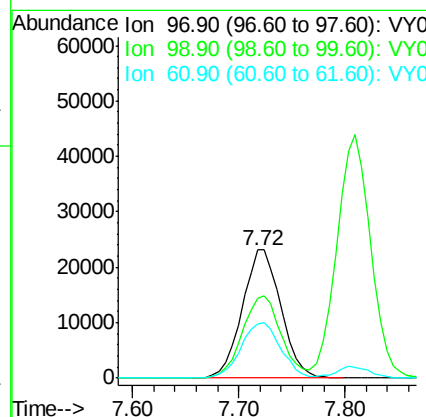
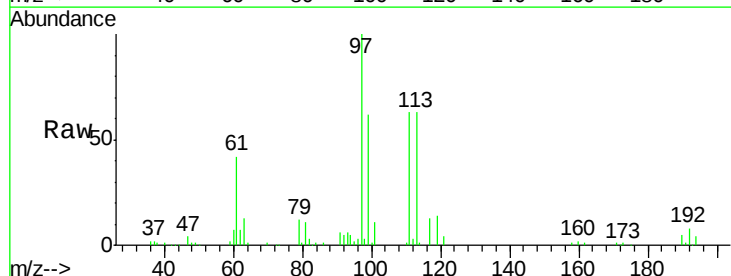
Manual Integrations
APPROVED

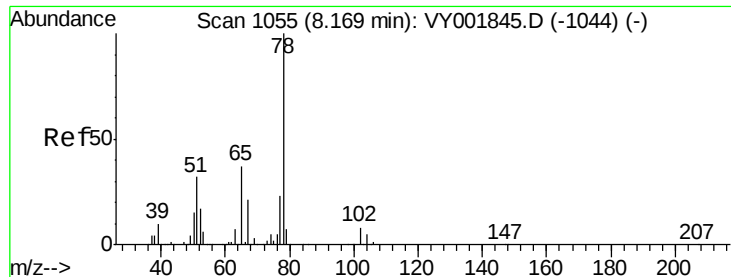
MMDadoda
3/12/2020 2:46:14 PM



#32
1,1,1-Trichloroethane
Concen: 20.799 ug/l
RT: 7.72 min Scan# 981
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.5	52.0	78.0	
61	44.3	35.0	52.4	





#33

1,2-Dichloroethane-d4

Concen: 52.356 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBSD01

Tot Ion: 65 Resp: 91639

Ion Ratio Lower Upper

65 100

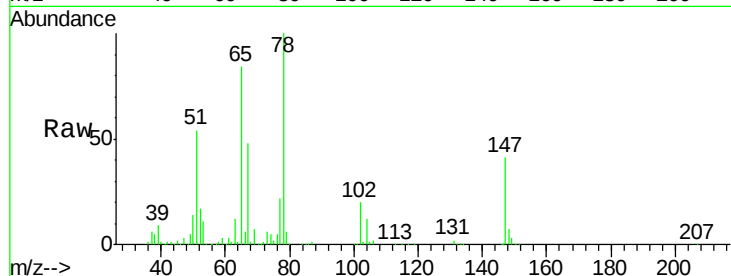
67 57.1 0.0 110.8

Manual Integrations

APPROVED

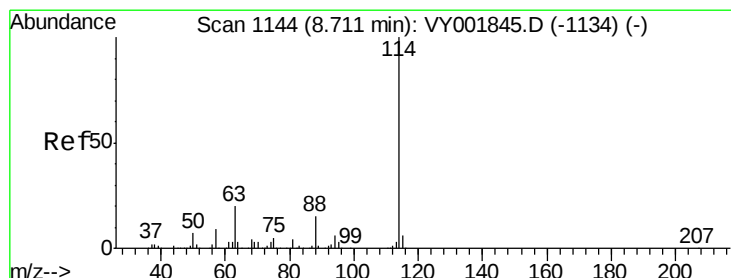
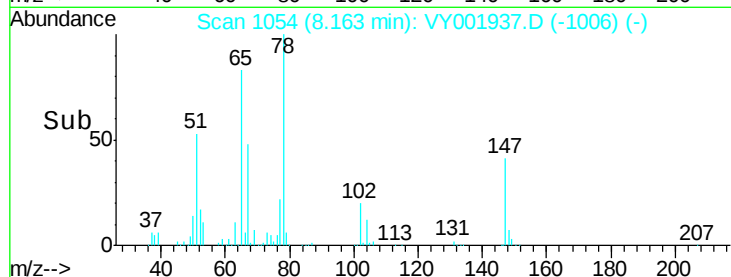
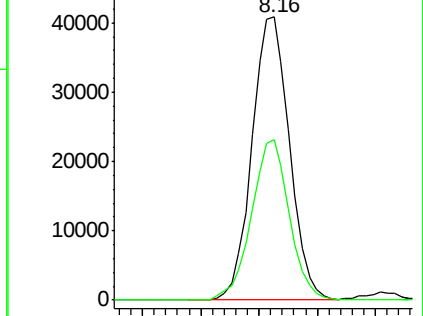
MMDadoda

3/12/2020 2:46:14 PM



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

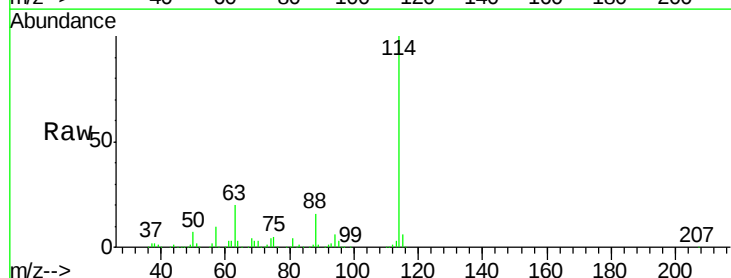
Tgt Ion: 114 Resp: 299712

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

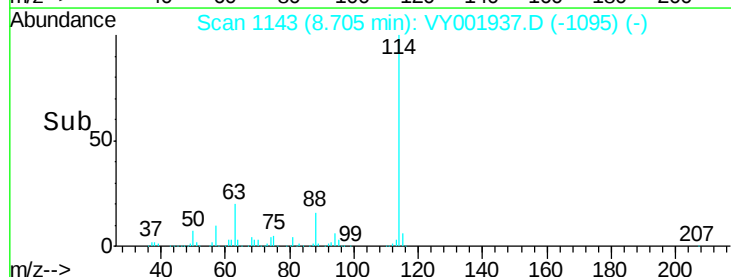
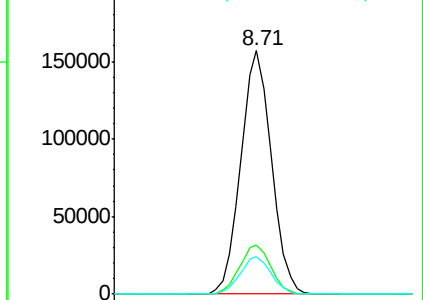
88 15.7 0.0 30.4

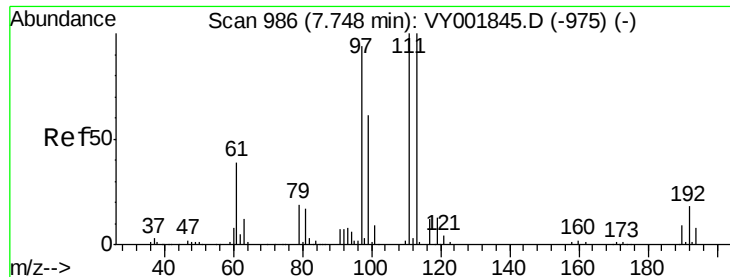


Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)





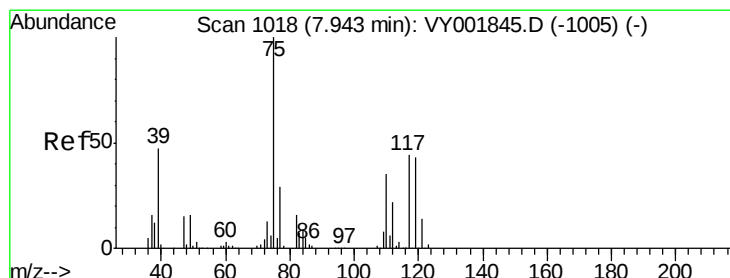
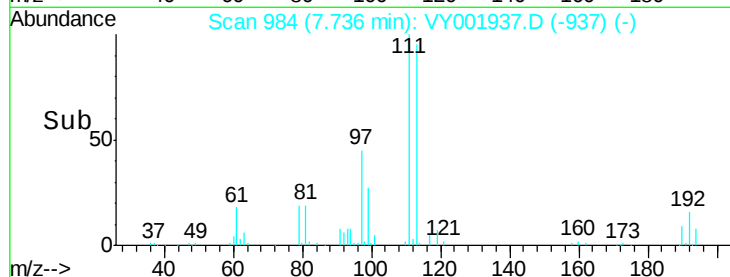
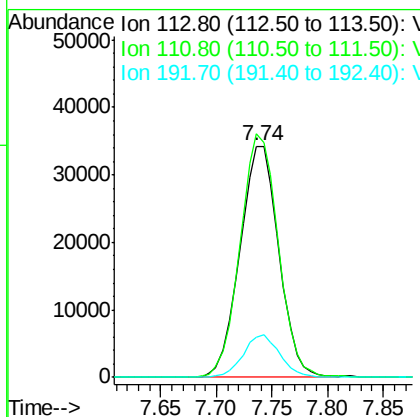
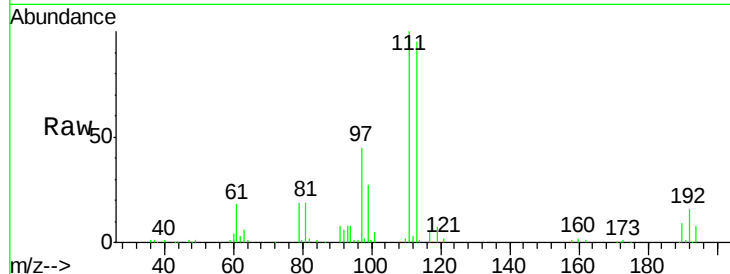
#35
Dibromofluoromethane
Concen: 50.868 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	17.4	14.2	21.2

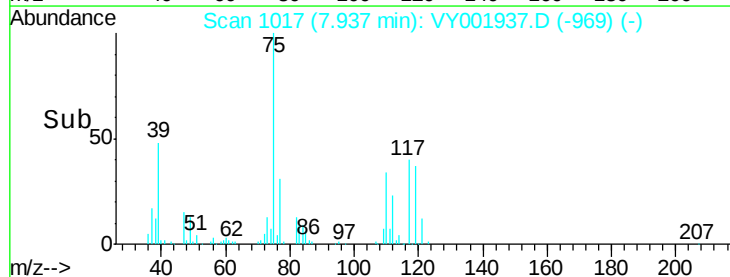
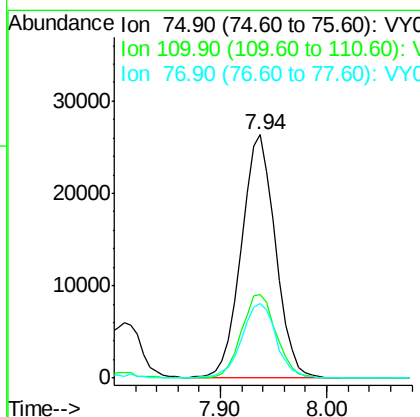
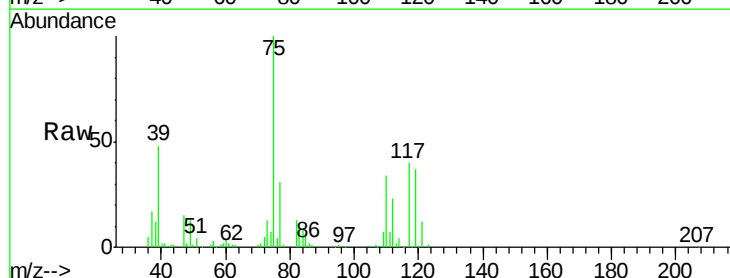
Manual Integrations
APPROVED

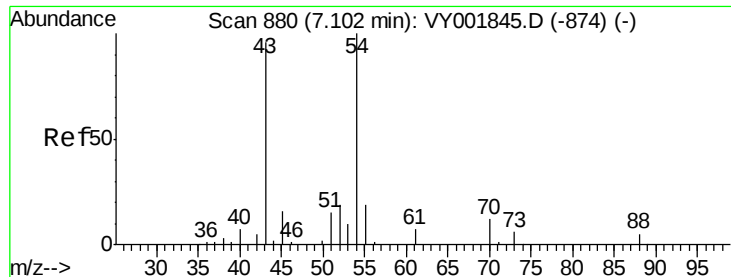
MMDadoda
3/12/2020 2:46:14 PM



#36
1,1-Dichloropropene
Concen: 20.595 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.2
77	31.0	24.2	36.2





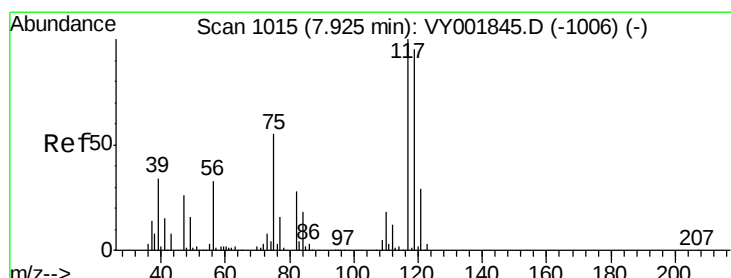
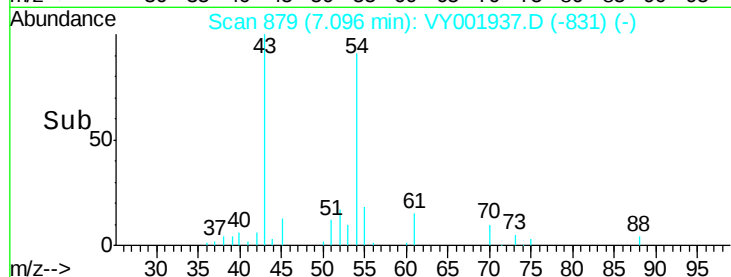
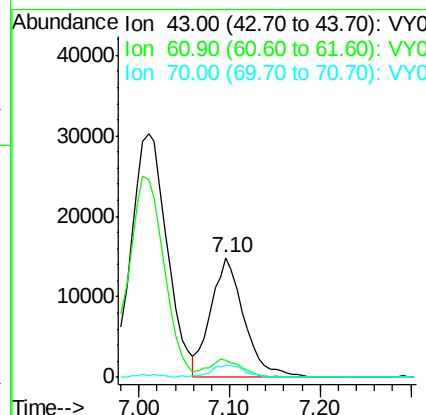
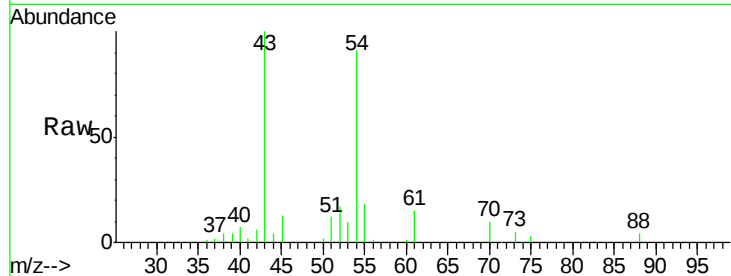
#37
Ethyl Acetate
Concen: 22.793 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	10.2	8.2	12.4

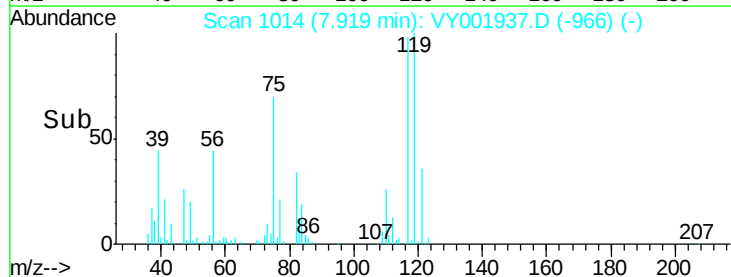
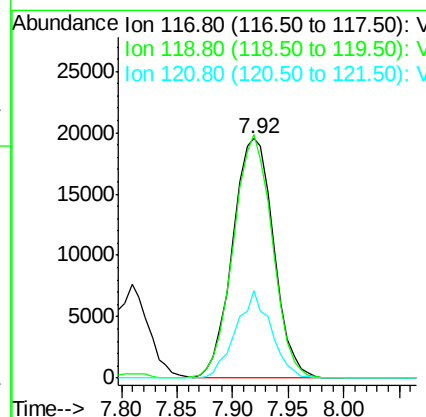
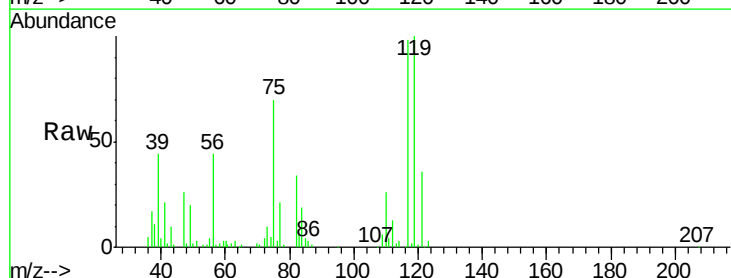
Manual Integrations
APPROVED

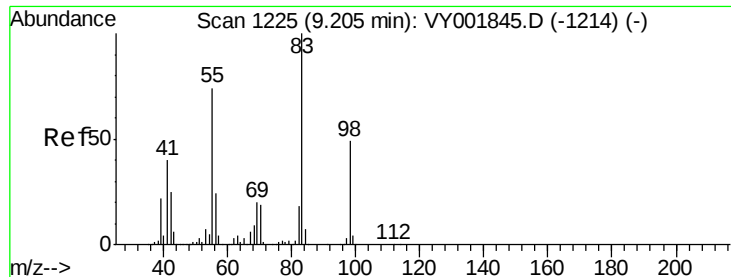
MMDadoda
3/12/2020 2:46:14 PM



#38
Carbon Tetrachloride
Concen: 20.251 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.3	114.5
121	36.7	23.5	35.3





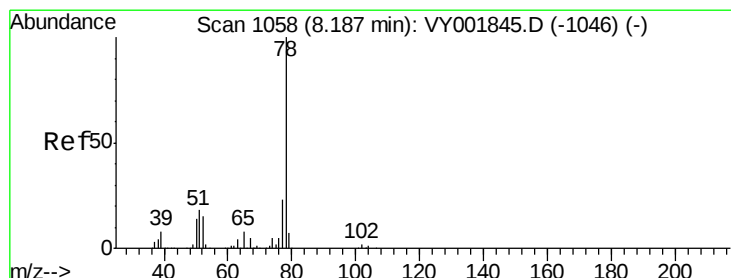
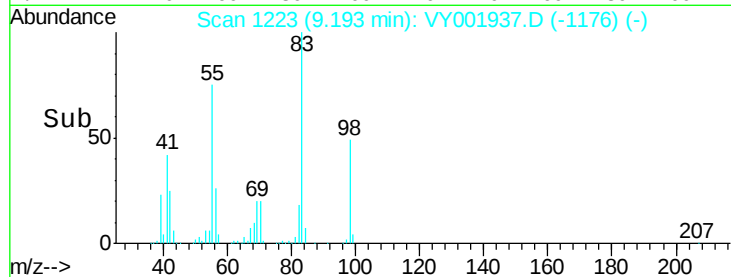
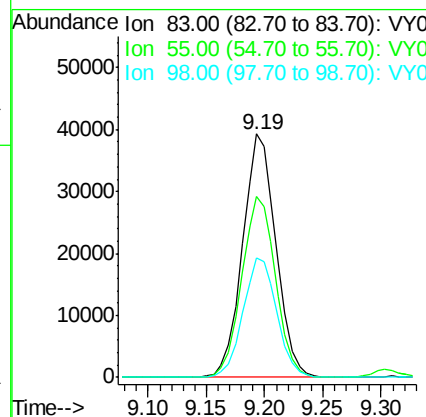
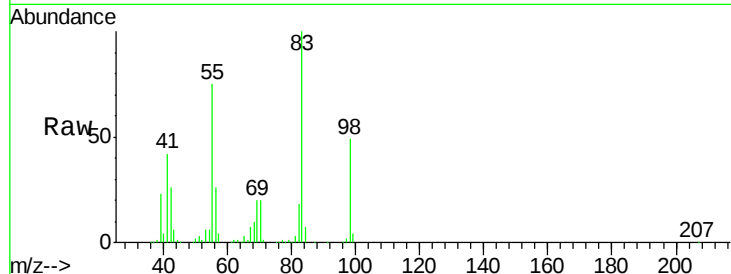
#39
Methvlcvclohexane
Concen: 20.458 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.4	89.0
98	48.9	38.9	58.3

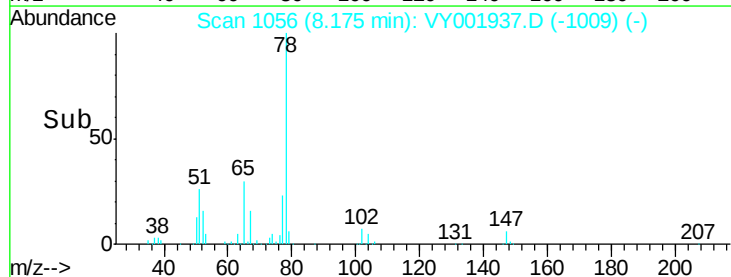
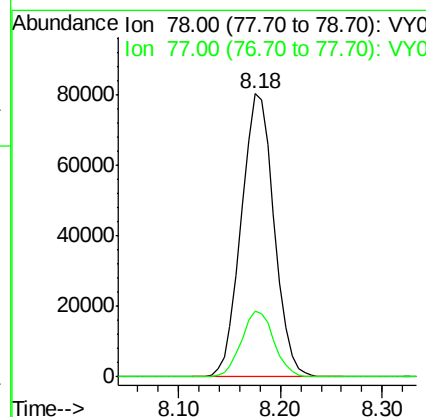
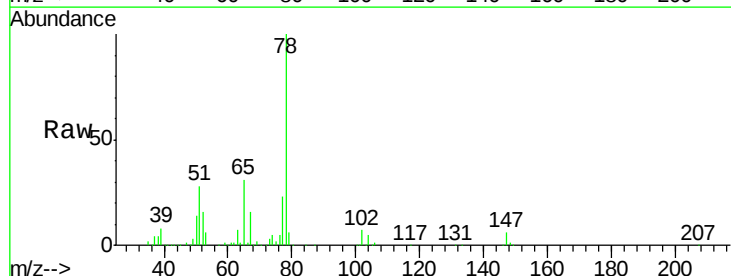
Manual Integrations
APPROVED

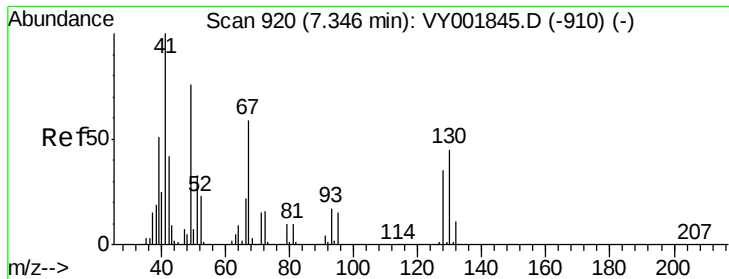
MMDadoda
3/12/2020 2:46:14 PM



#40
Benzene
Concen: 20.934 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





#41

Methacrylonitrile

Concen: 17.980 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBSD01

Tot Ion: 41 Resp: 13564

Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

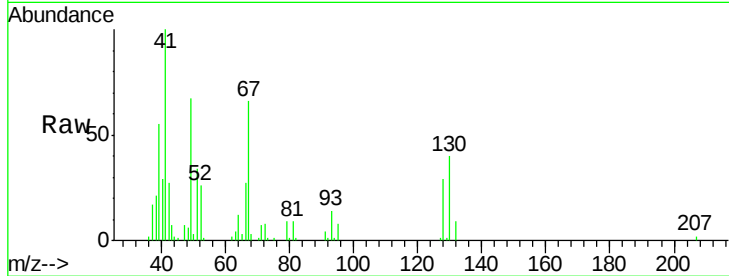
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

3/12/2020 2:46:14 PM

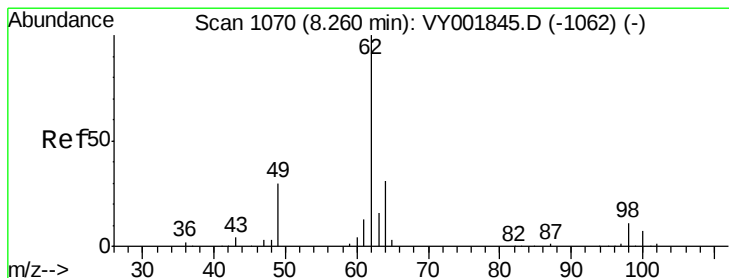
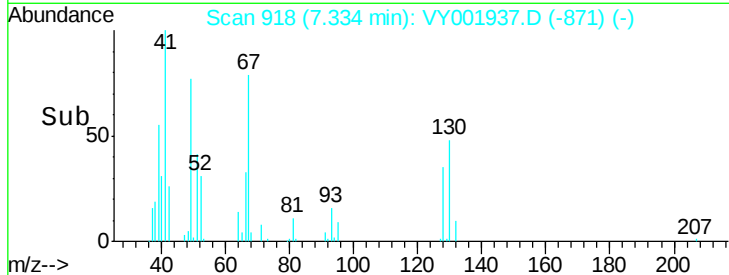
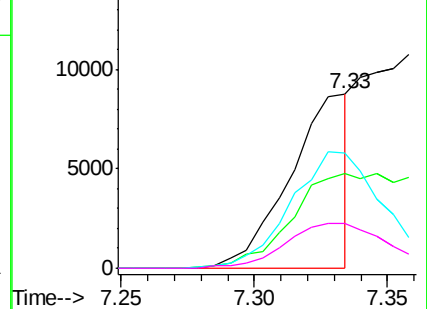


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.486 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001937.D

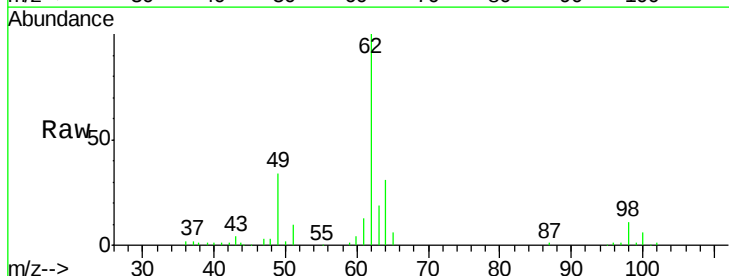
Acq: 11 Mar 2020 12:57

Tgt Ion: 62 Resp: 47331

Ion Ratio Lower Upper

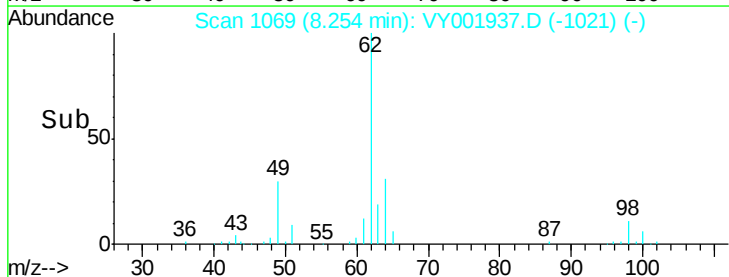
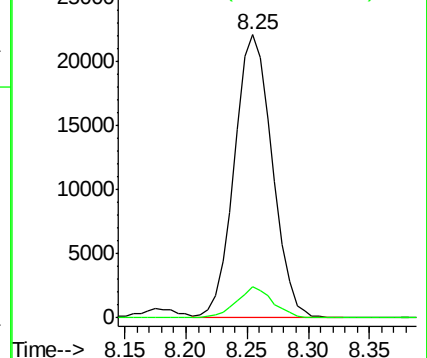
62 100

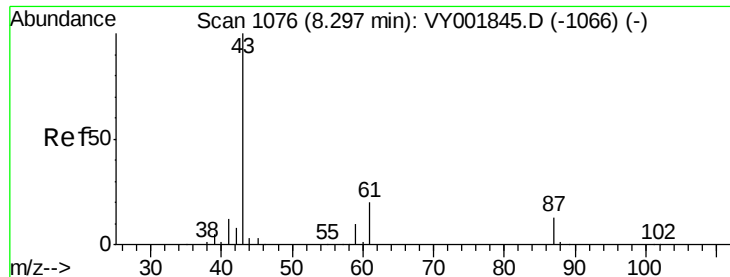
98 10.4 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





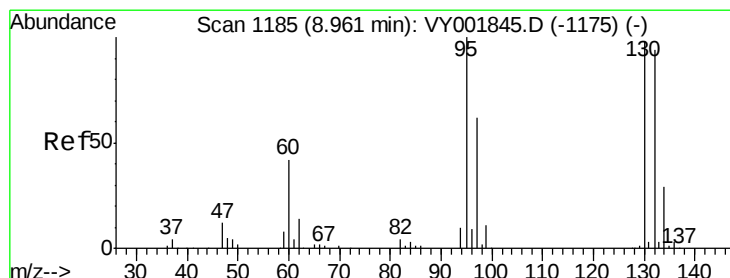
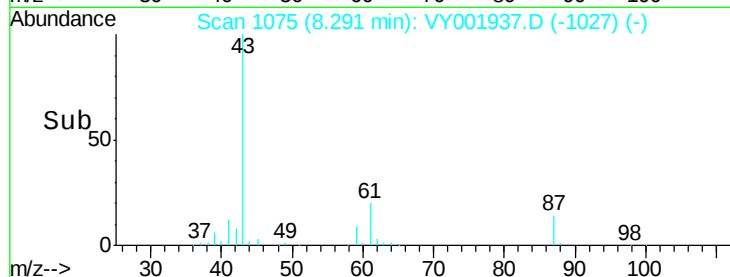
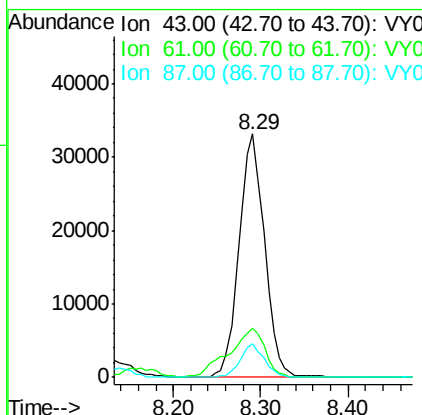
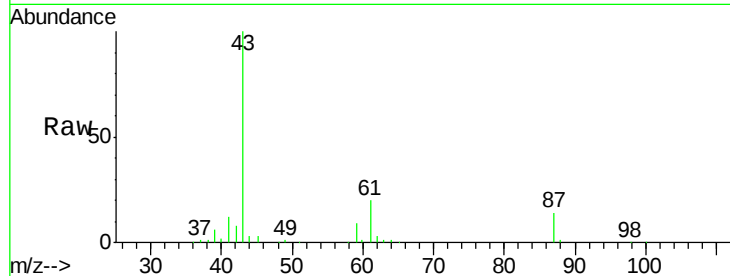
#43
Isopropyl Acetate
Concen: 21.362 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.8	35.6
87	13.0	10.9	16.3

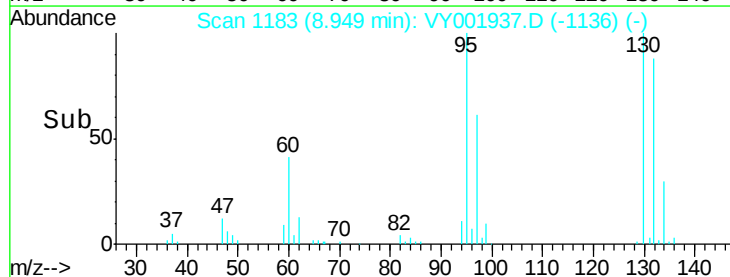
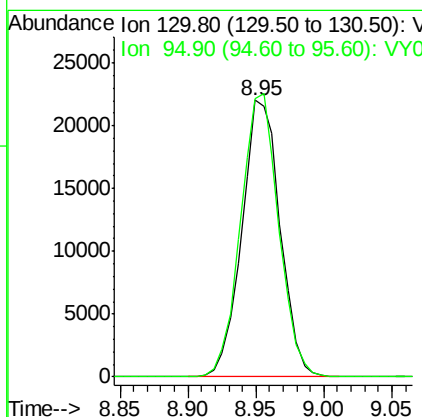
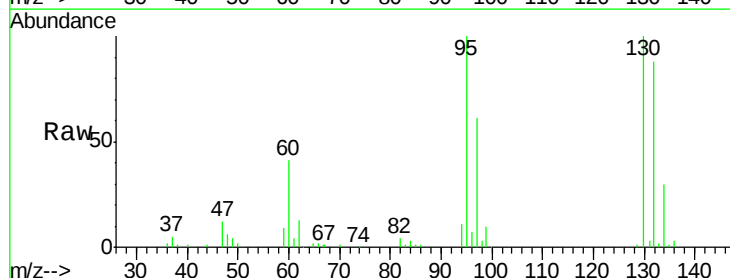
Manual Integrations
APPROVED

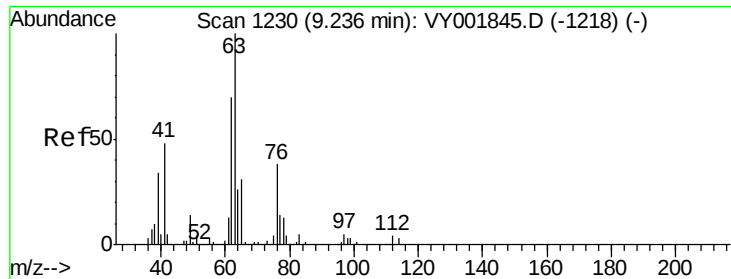
MMDadoda
3/12/2020 2:46:14 PM



#44
Trichloroethene
Concen: 20.775 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	204.6





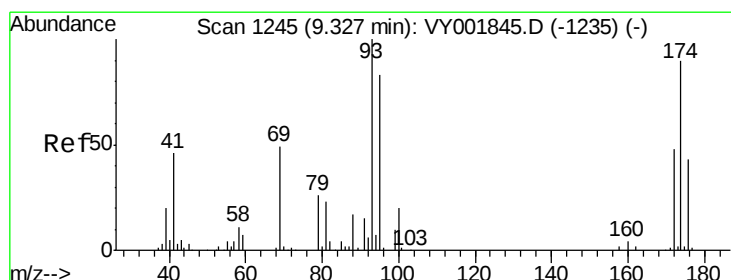
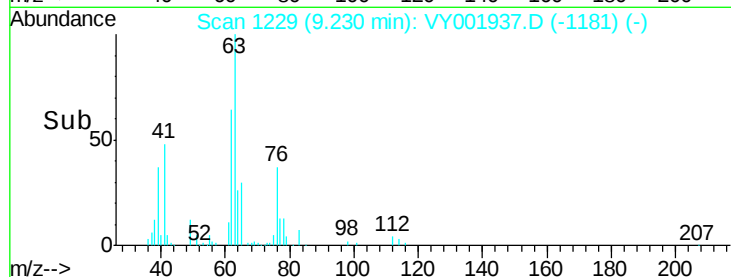
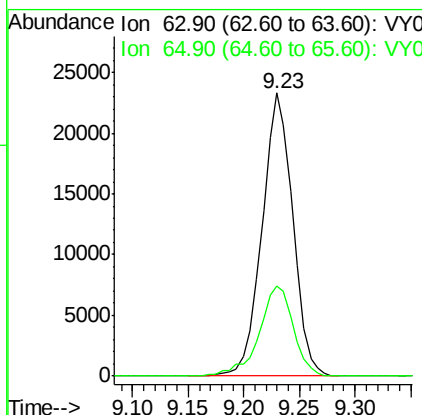
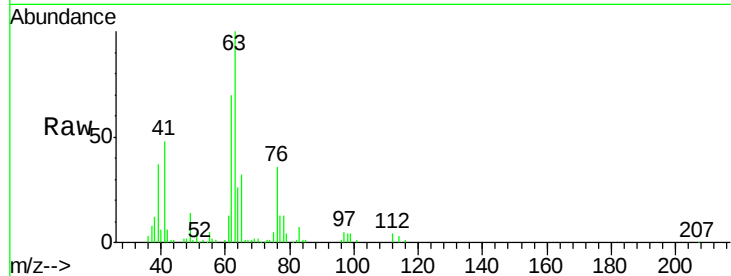
#45
 1,2-Dichloropropane
 Concen: 20.884 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBSD01

Tot Ion: 63 Resp: 44880
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.9 37.3

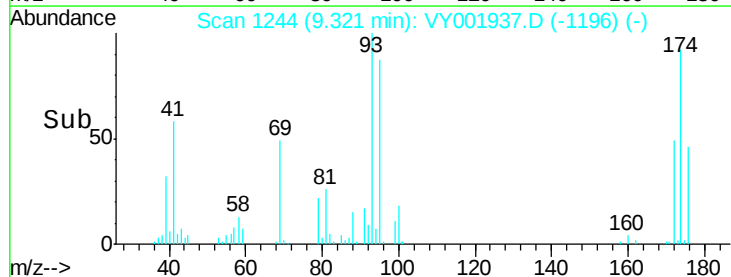
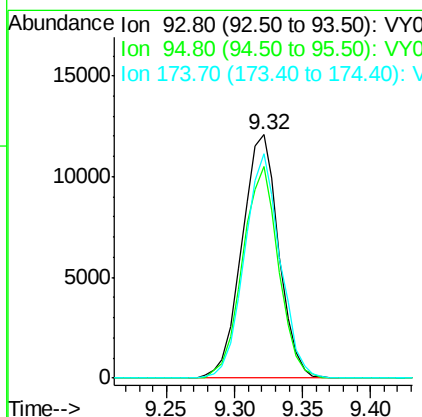
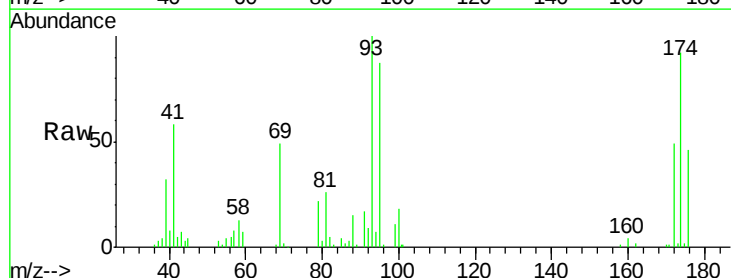
Manual Integrations
 APPROVED

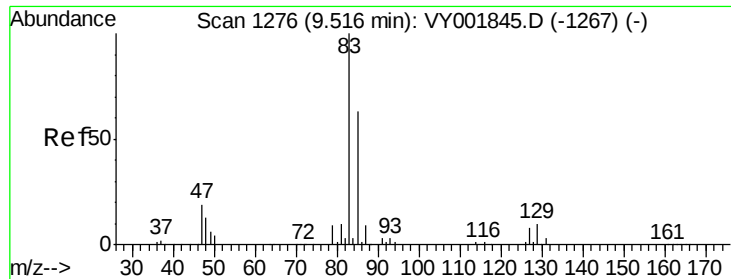
MMDadoda
 3/12/2020 2:46:14 PM



#46
 Dibromomethane
 Concen: 20.716 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion: 93 Resp: 22941
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.4
 174 89.0 71.8 107.8





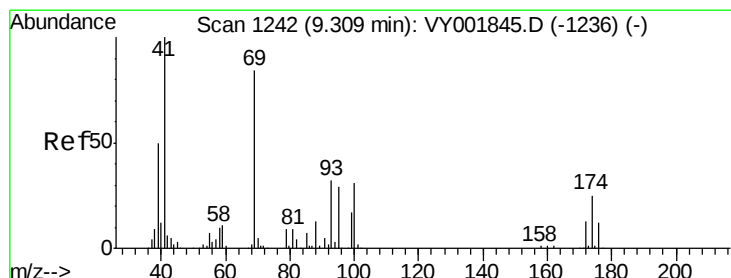
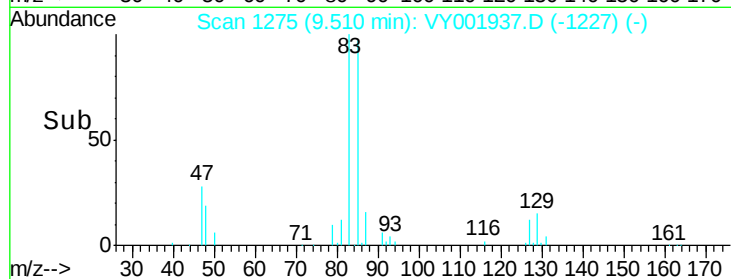
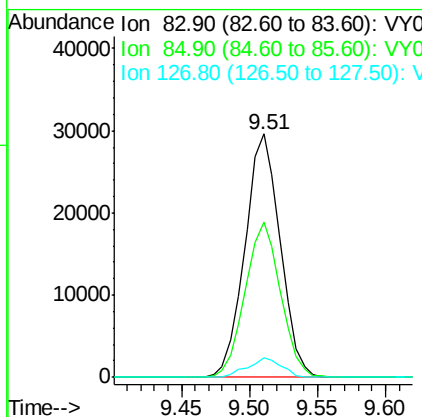
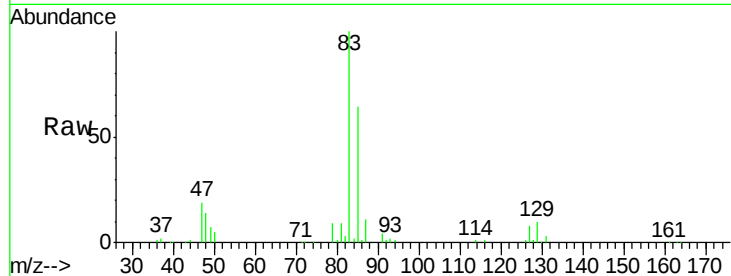
#47
Bromodichloromethane
Concen: 20.818 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0
127	7.9	6.2	9.4

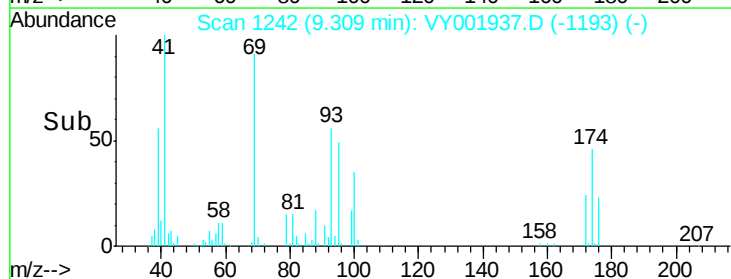
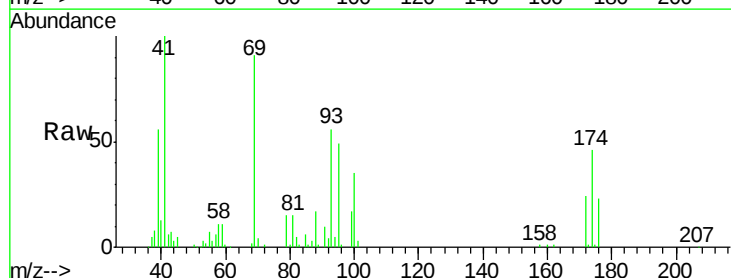
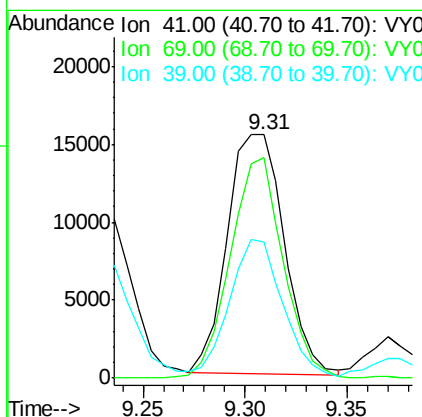
Manual Integrations
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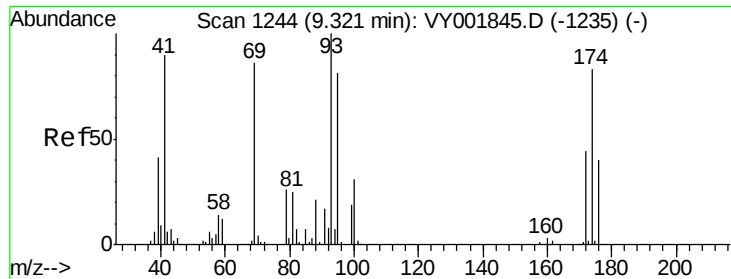
MMDadoda
3/12/2020 2:46:14 PM



#48
Methyl methacrylate
Concen: 21.082 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.9	69.0	103.6
39	52.6	39.1	58.7





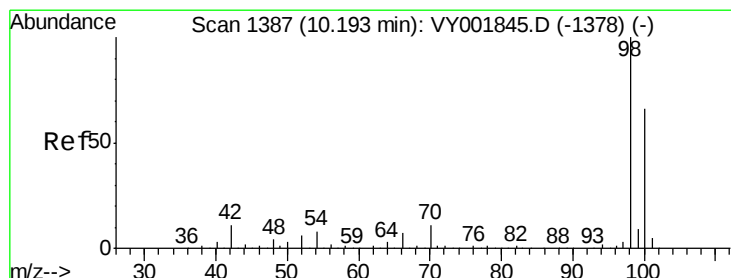
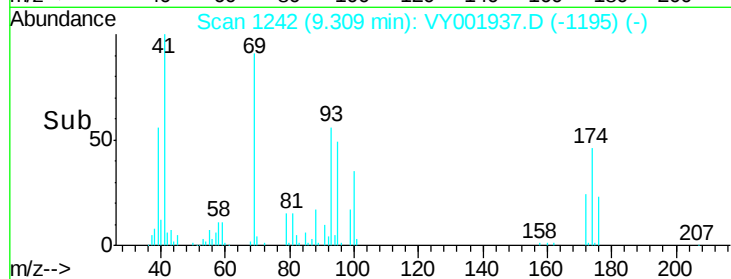
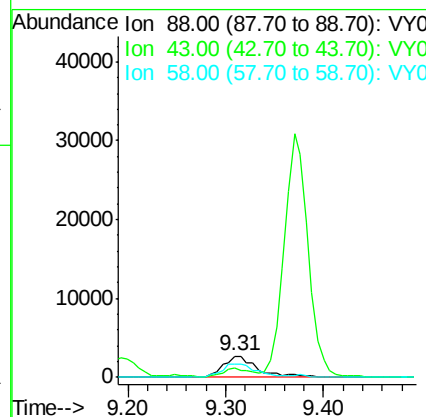
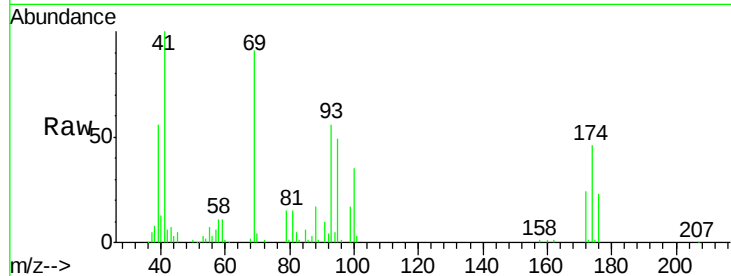
#49
1,4-Dioxane
Concen: 436.461 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.0	37.6
58	63.4	58.9	88.3

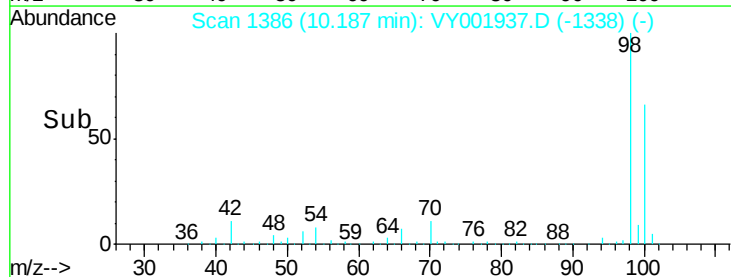
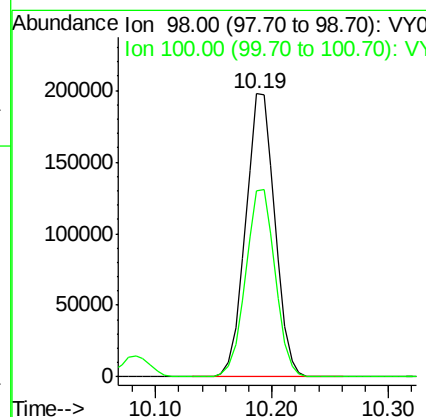
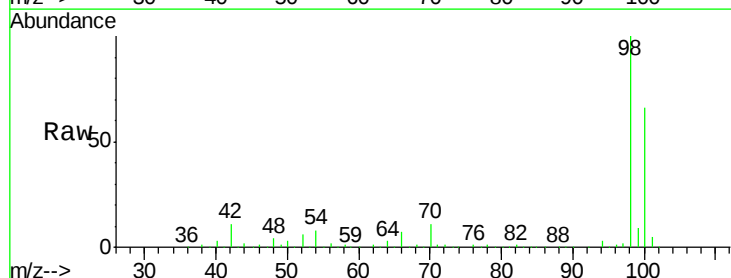
Manual Integrations
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3/12/2020 2:46:14 PM



#50
Toluene-d8
Concen: 50.305 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 110.049 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion: 43 Resp: 179892

Ion Ratio Lower Upper

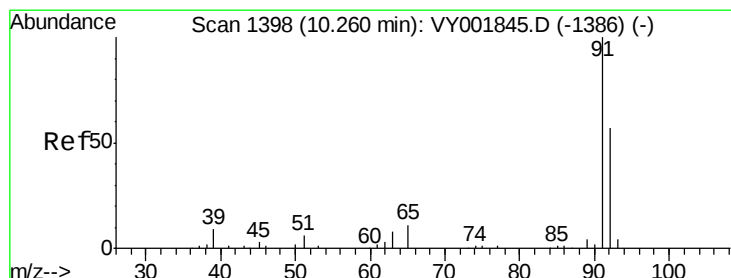
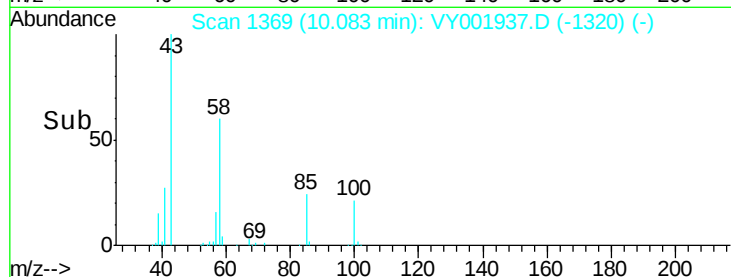
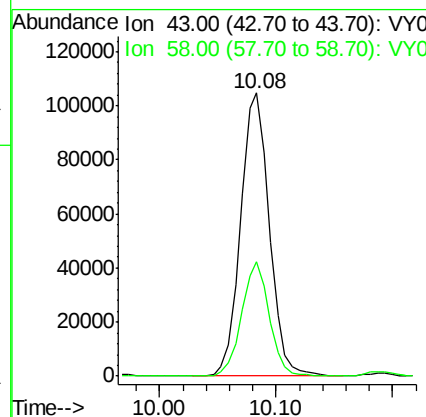
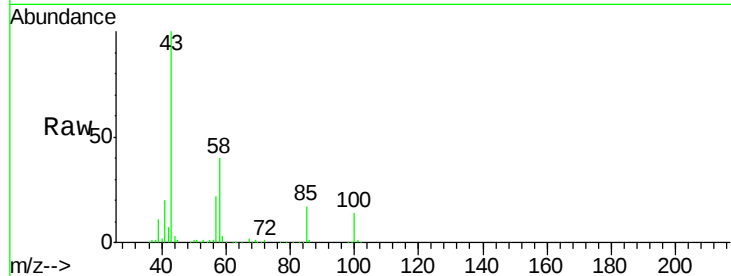
43 100

58 39.0 32.0 48.0

Manual Integrations
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#52

Toluene

Concen: 20.740 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001937.D

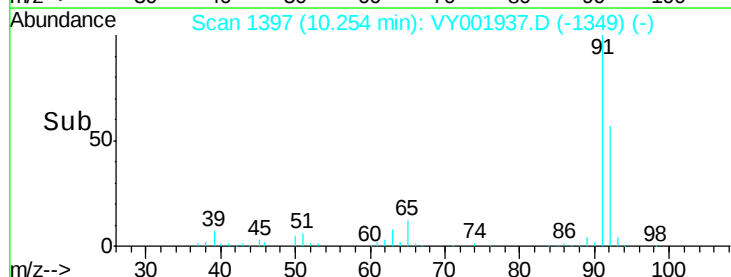
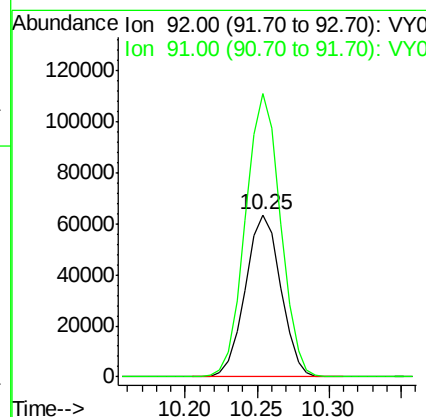
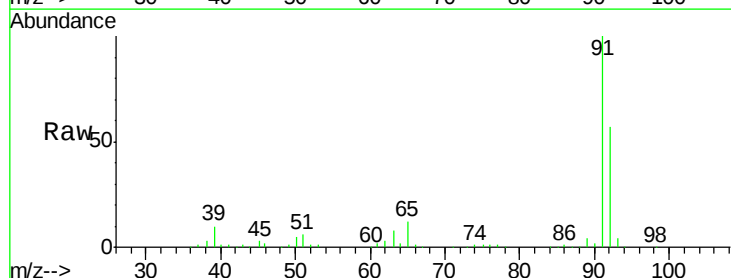
Acq: 11 Mar 2020 12:57

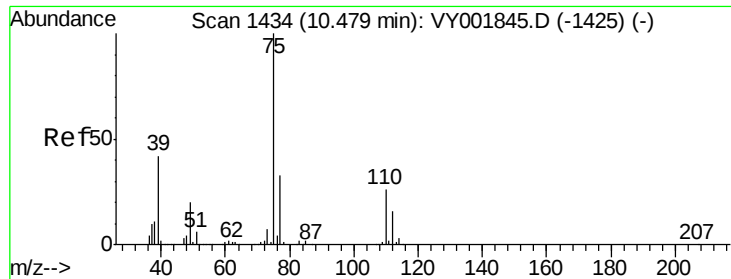
Tgt Ion: 92 Resp: 107705

Ion Ratio Lower Upper

92 100

91 173.1 138.6 208.0





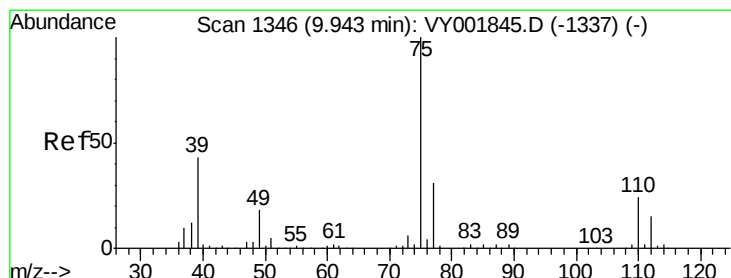
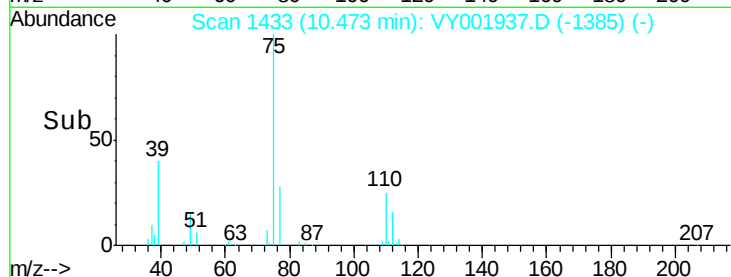
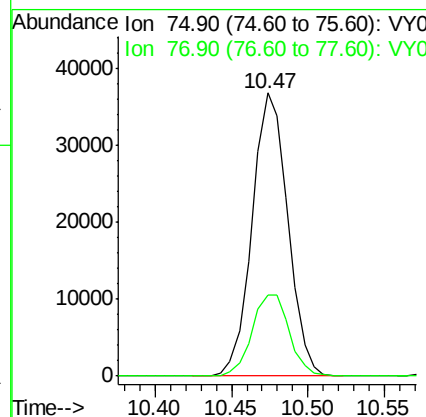
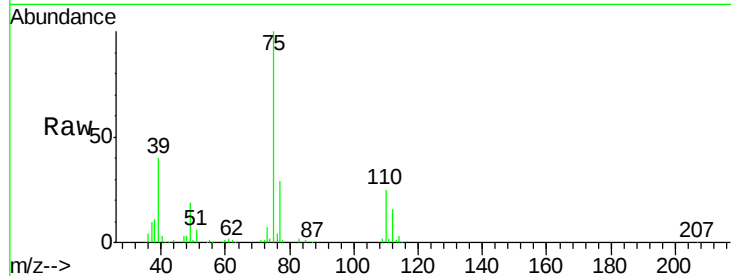
#53
 t-1,3-Dichloropropene
 Concen: 21.268 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Tot Ion: 75 Resp: 59691
 Ion Ratio Lower Upper
 75 100
 77 28.5 26.3 39.5

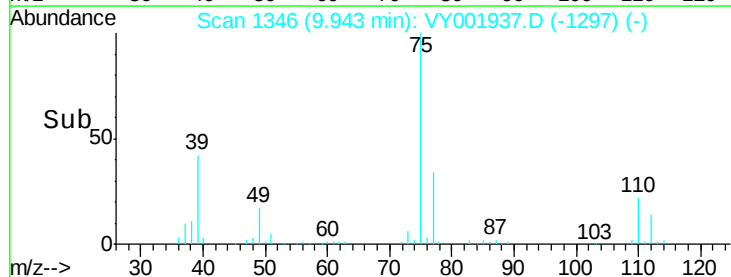
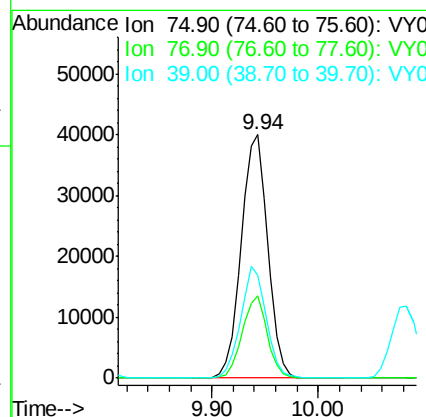
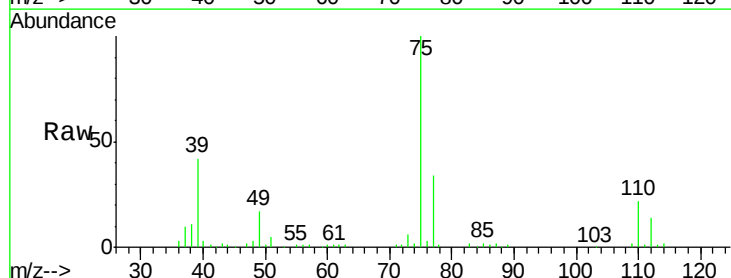
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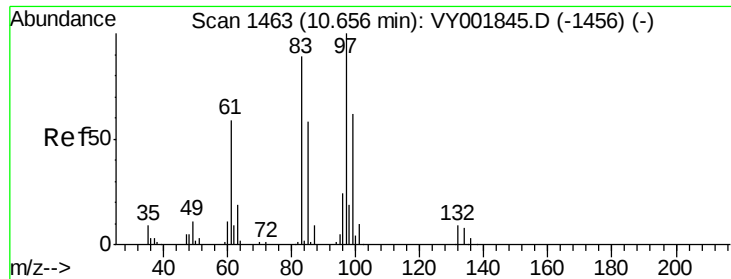
MMDadoda
 3/12/2020 2:46:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.998 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion: 75 Resp: 70156
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.1 37.7
 39 42.2 34.7 52.1





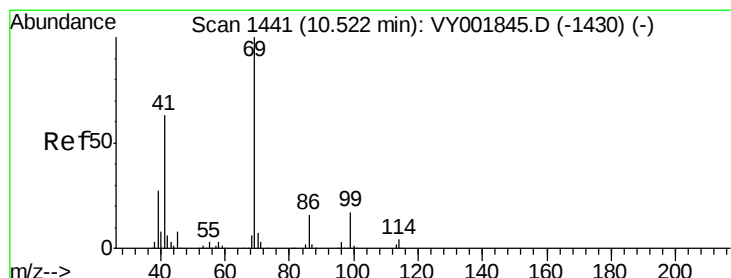
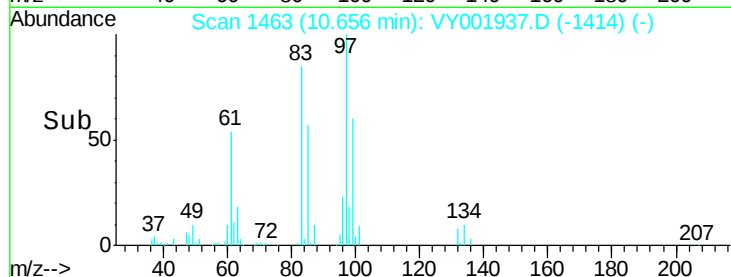
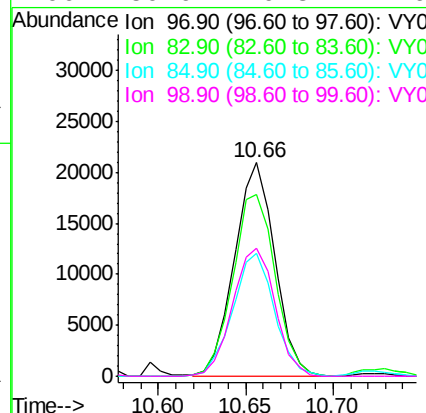
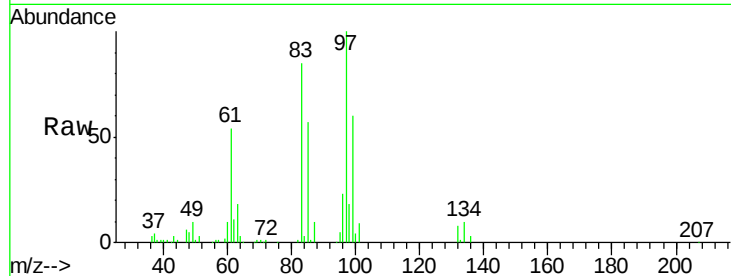
#55
 1,1,2-Trichloroethane
 Concen: 20.815 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	33735		
83	85.2		71.6	107.4
85	56.8		46.6	69.8
99	59.9		49.8	74.6

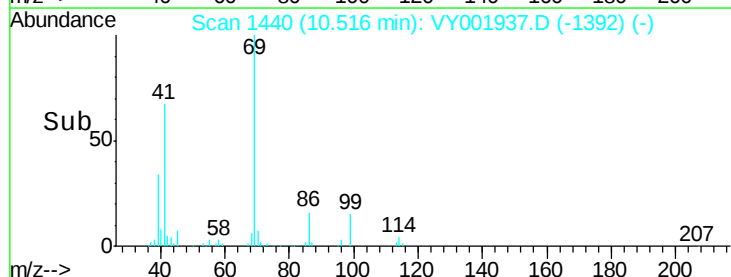
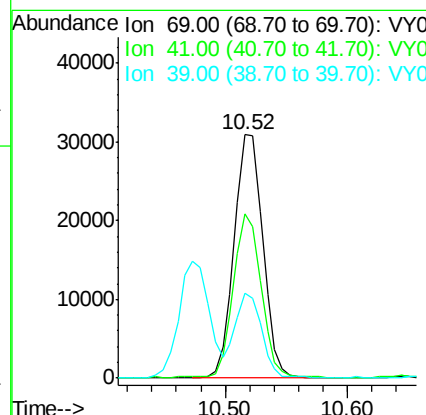
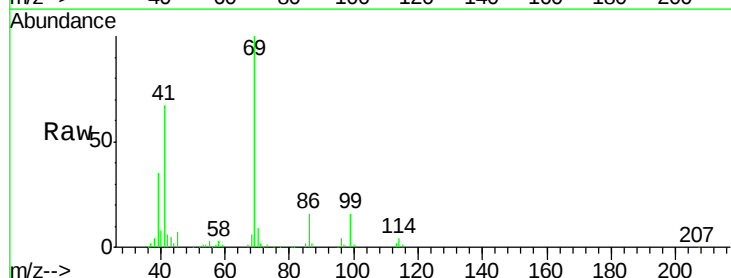
Manual Integrations
 APPROVED

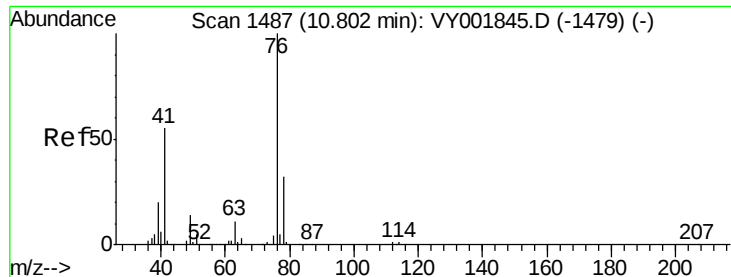
MMDadoda
 3/12/2020 2:46:14 PM



#56
 Ethyl methacrylate
 Concen: 21.125 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	50184		
41	65.1		49.9	74.9
39	32.7		23.0	34.6





#57

1,3-Dichloropropane

Concen: 20.699 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion: 76 Resp: 59797

Ion Ratio Lower Upper

76 100

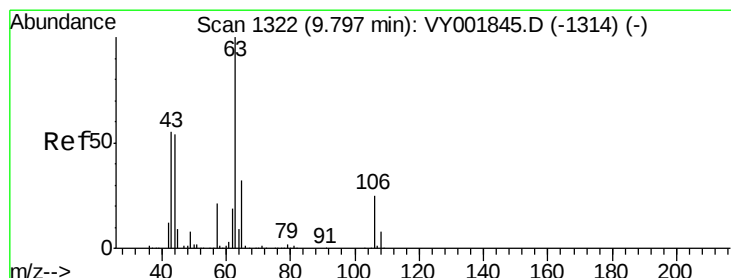
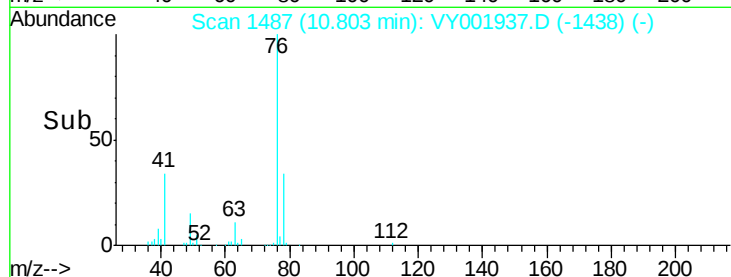
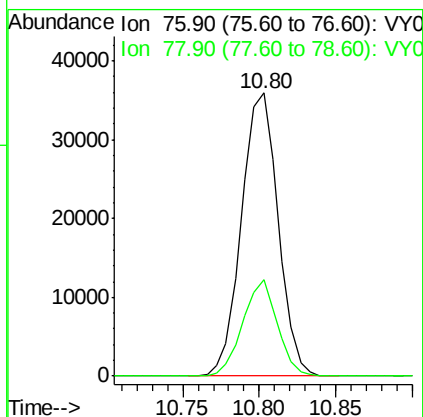
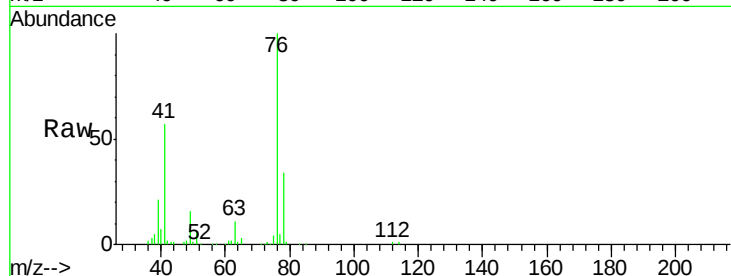
78 32.0 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:46:14 PM



#58

2-Chloroethyl Vinyl ether

Concen: 148.025 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001937.D

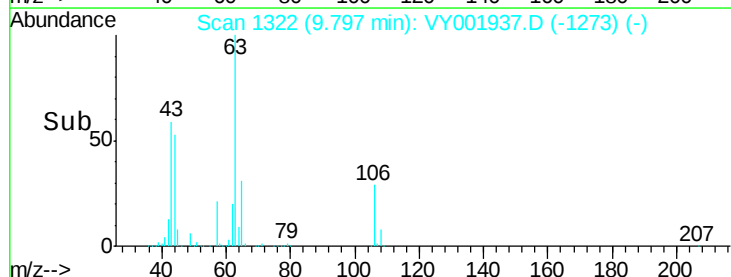
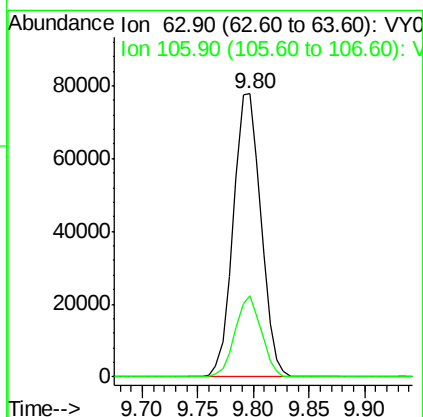
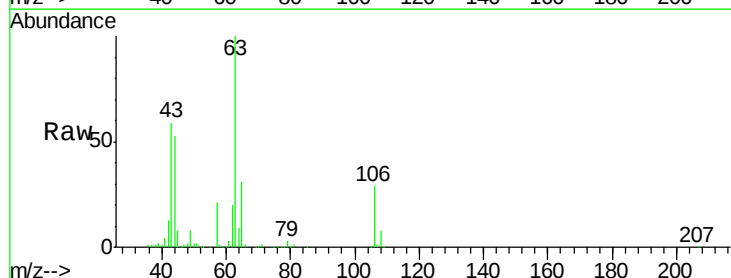
Acq: 11 Mar 2020 12:57

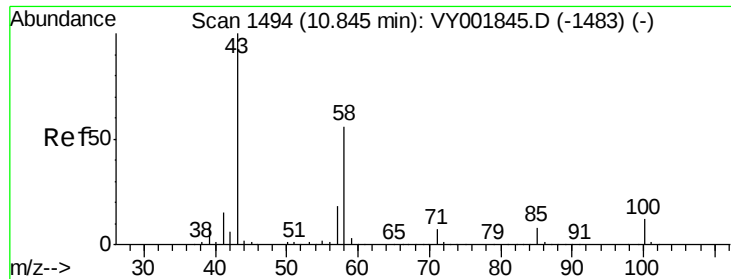
Tgt Ion: 63 Resp: 133814

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





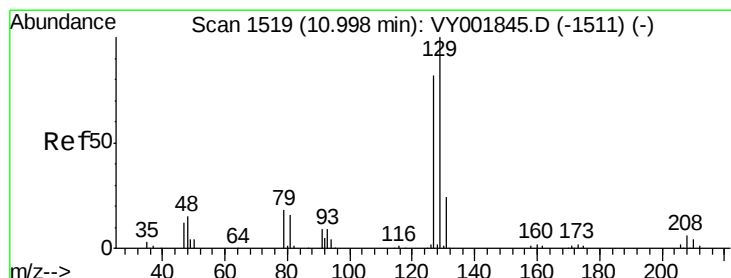
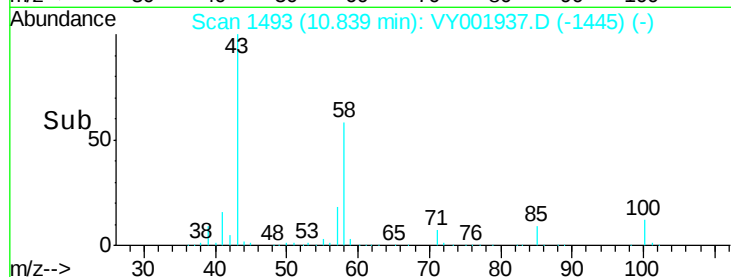
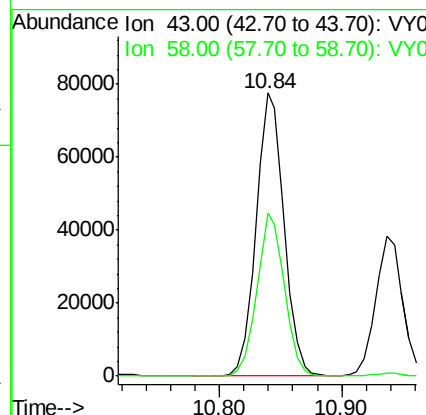
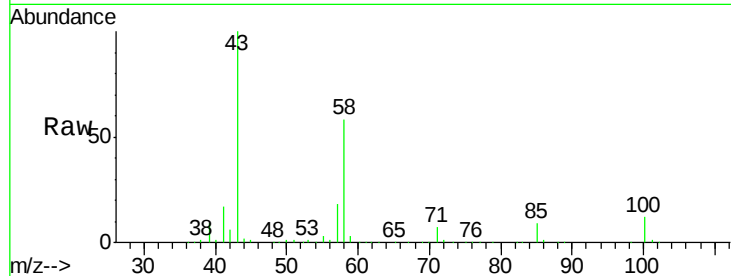
#59
2-Hexanone
Concen: 105.680 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.1	84.3

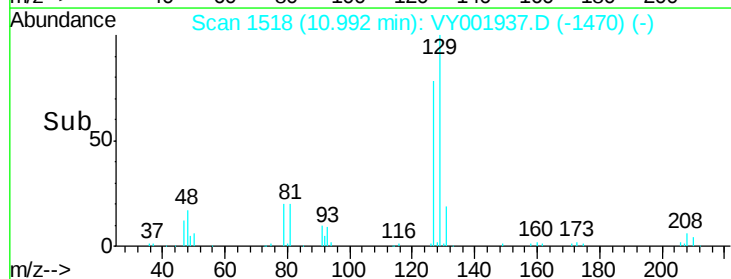
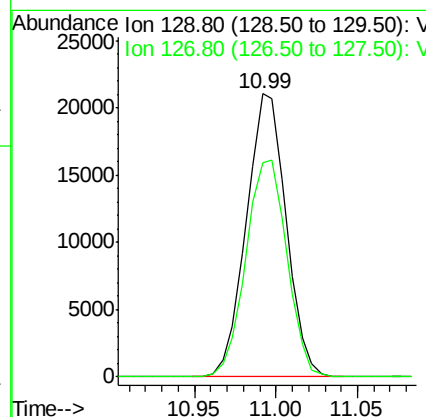
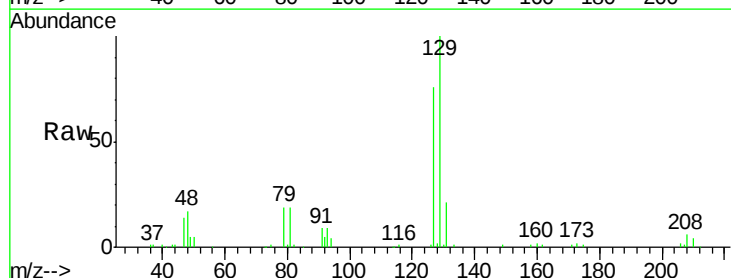
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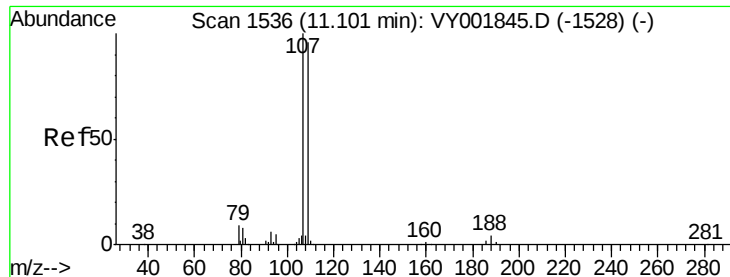
MMDadoda
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#60
Dibromochloromethane
Concen: 21.026 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0





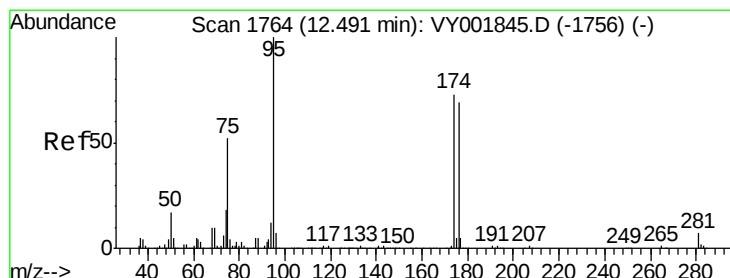
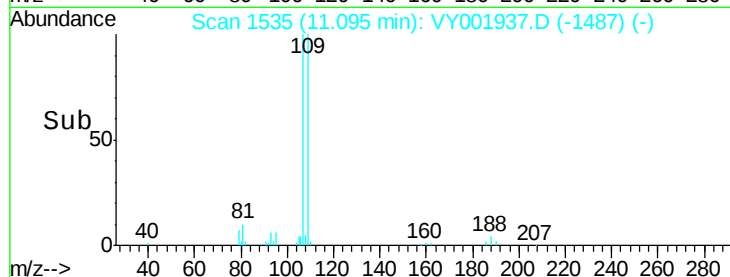
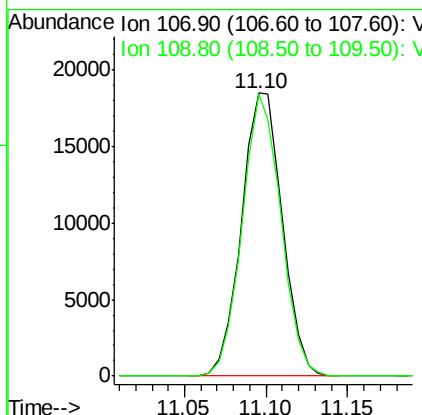
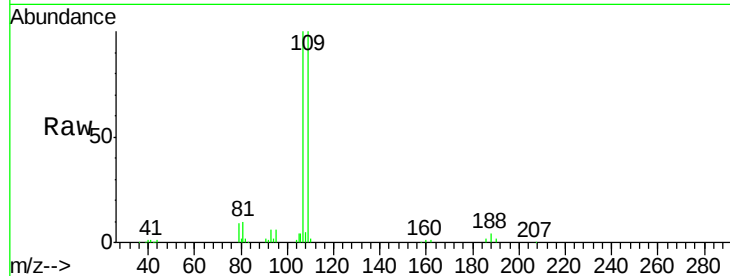
#61
 1,2-Dibromoethane
 Concen: 20.870 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

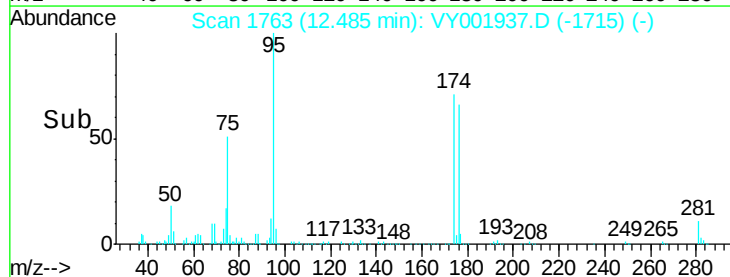
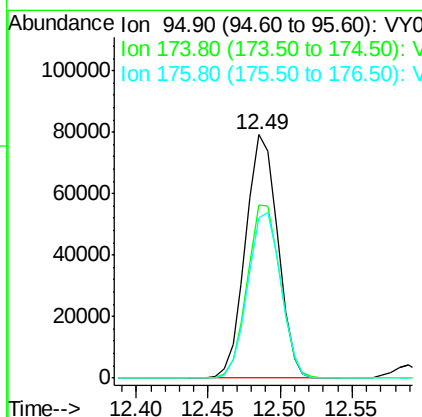
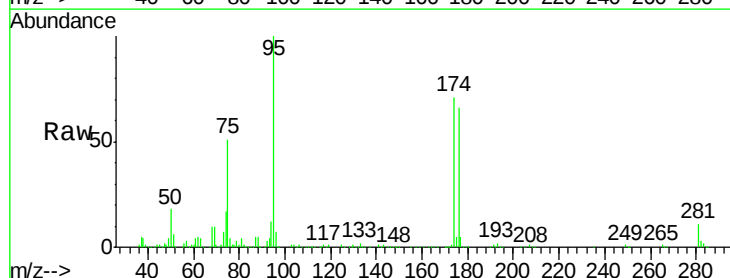
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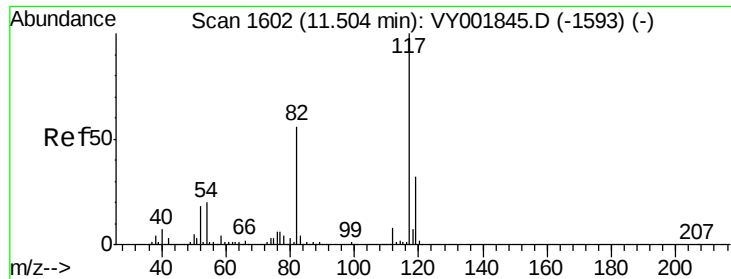
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.181 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.0
176	69.4	0.0	137.4





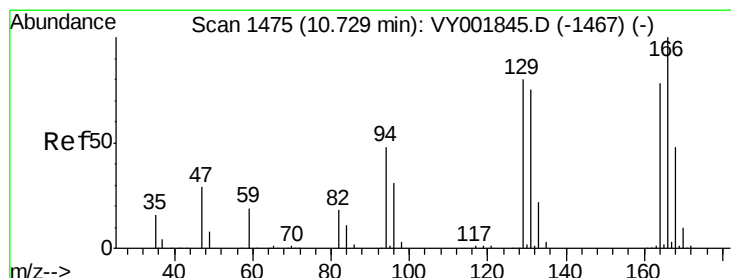
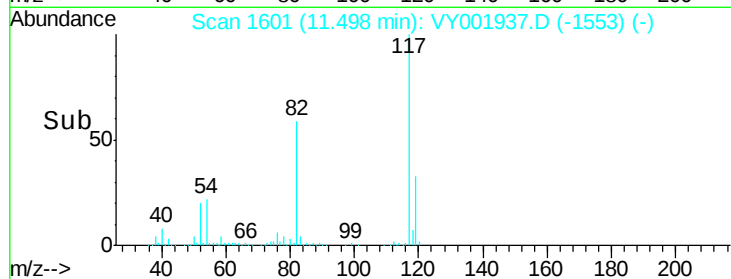
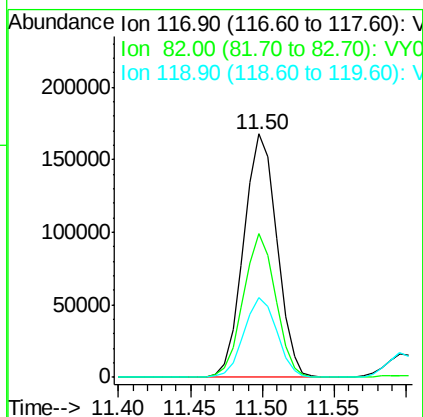
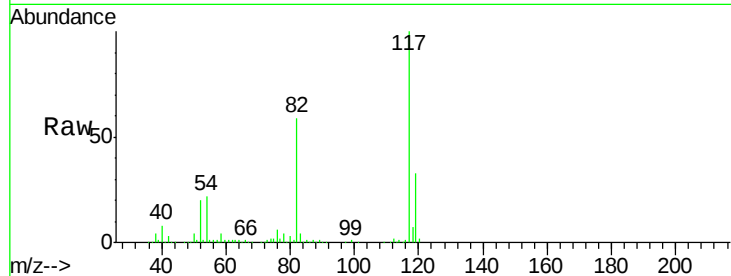
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268333		
82	59.3		44.5	66.7
119	32.5		25.7	38.5

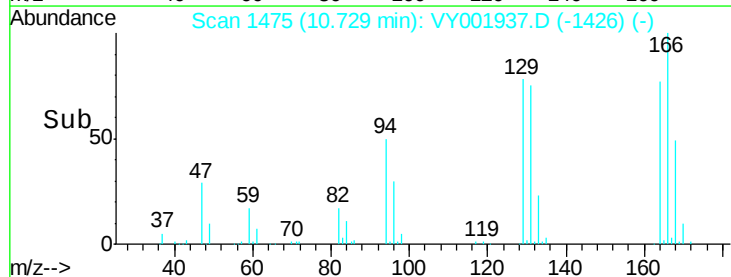
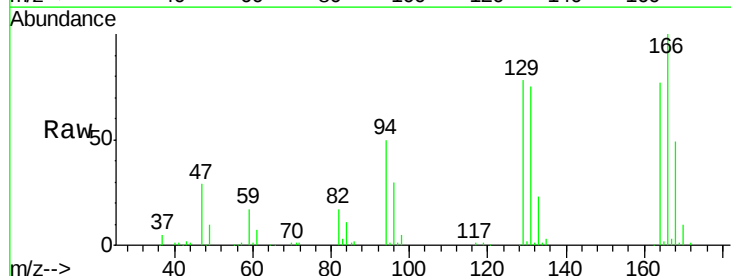
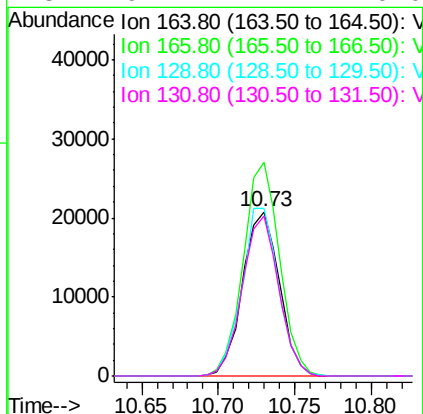
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#64
Tetrachloroethene
Concen: 20.696 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34826		
166	130.0		102.6	154.0
129	101.7		82.3	123.5
131	97.4		77.4	116.0





#65

Chlorobenzene

Concen: 20.833 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion:112 Resp: 111389

Ion Ratio Lower Upper

112 100

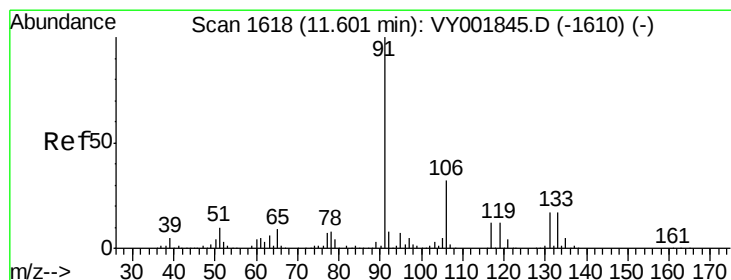
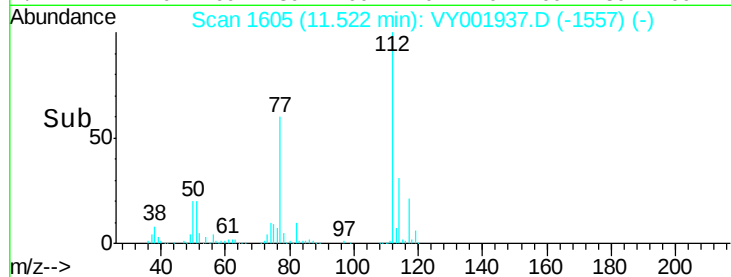
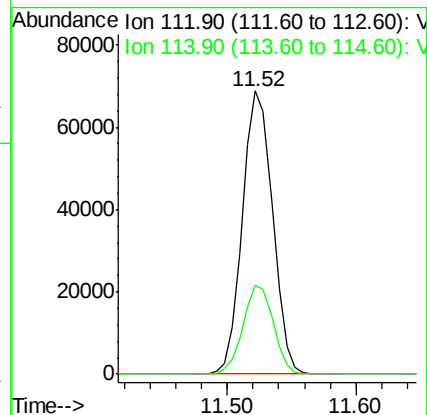
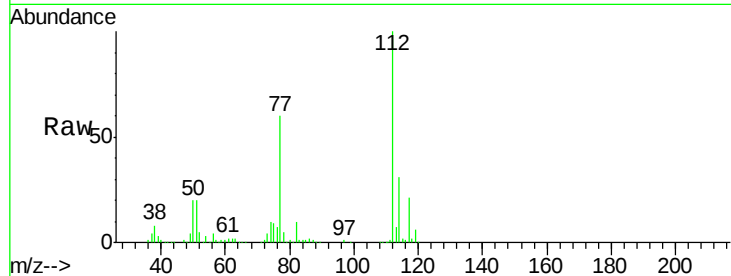
114 31.4 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.203 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

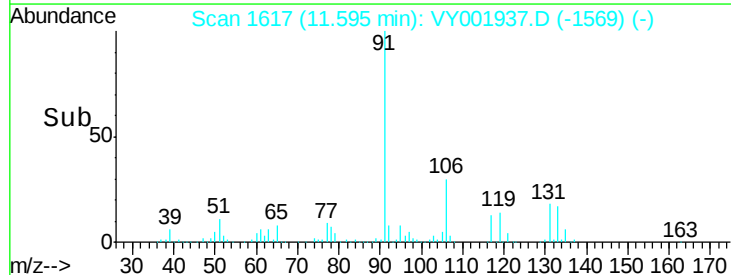
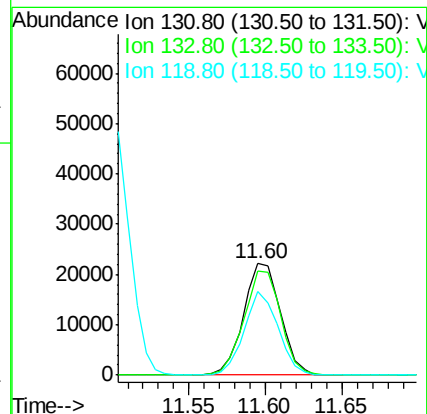
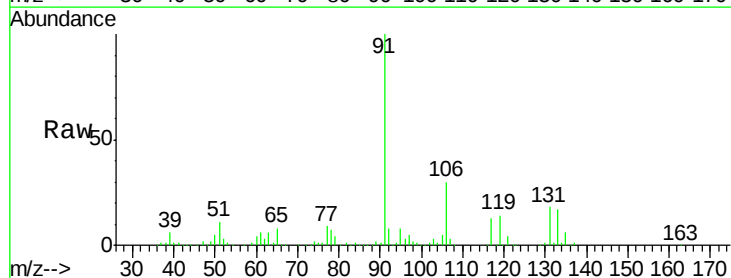
Tgt Ion:131 Resp: 37176

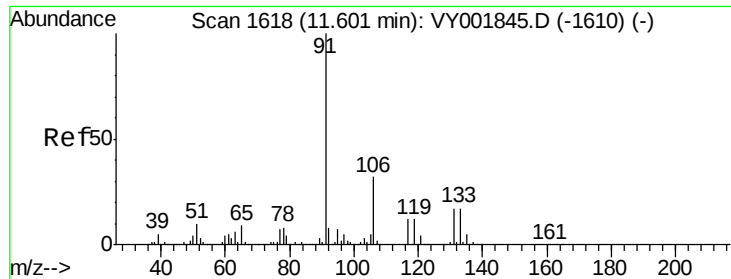
Ion Ratio Lower Upper

131 100

133 93.4 47.1 141.3

119 69.3 34.5 103.6





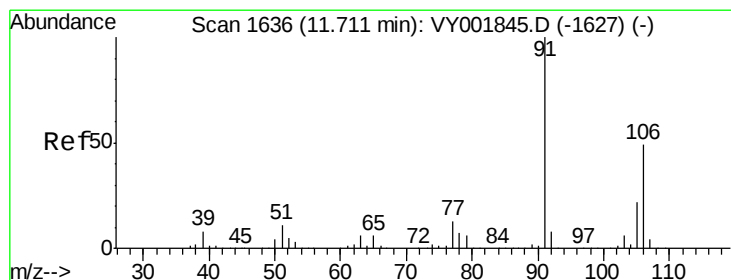
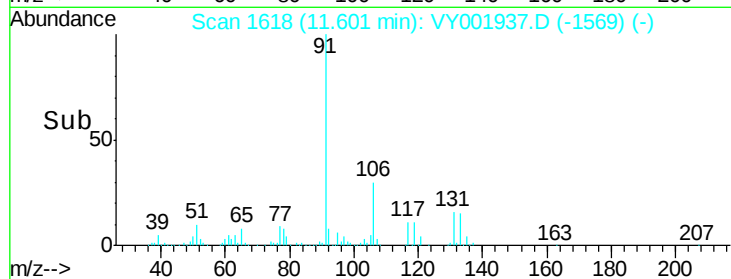
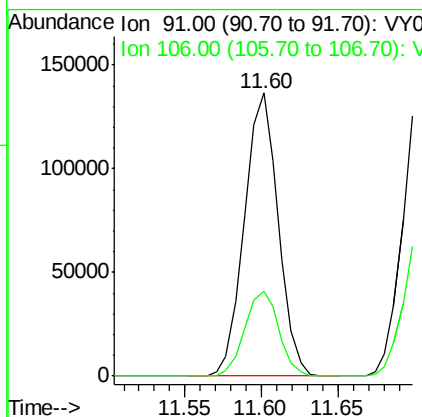
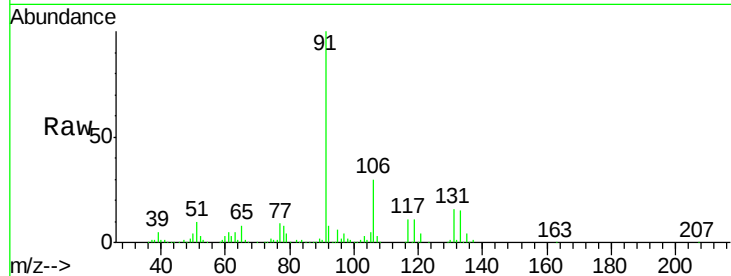
#67
Ethyl Benzene
Concen: 20.973 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion: 91 Resp: 209136
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2

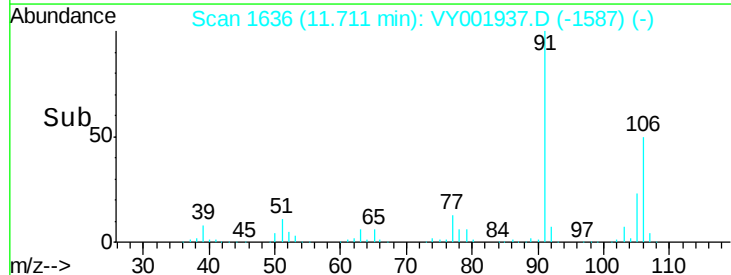
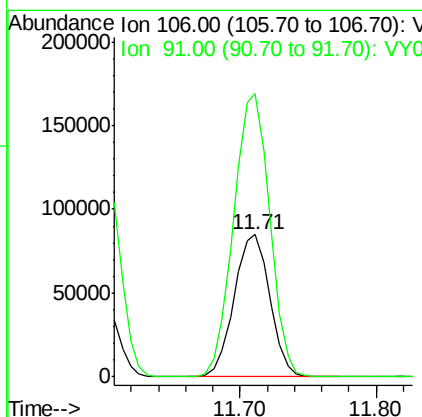
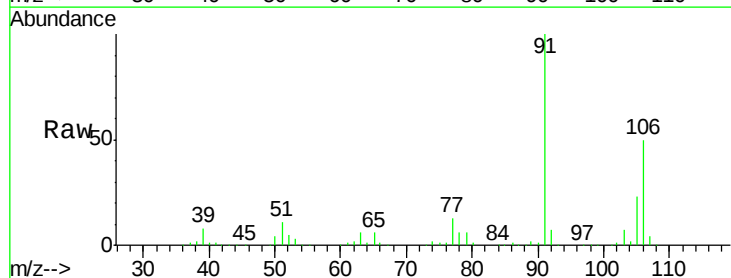
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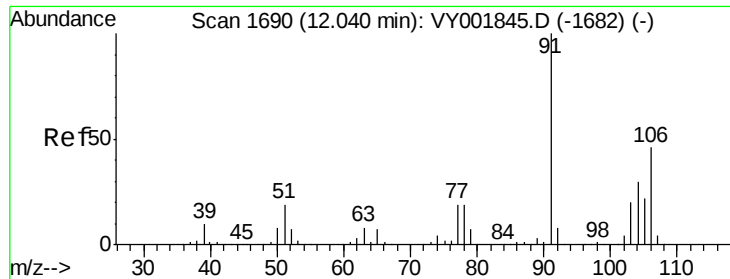
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#68
m/p-Xylenes
Concen: 42.038 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion: 106 Resp: 154975
Ion Ratio Lower Upper
106 100
91 201.4 161.3 241.9





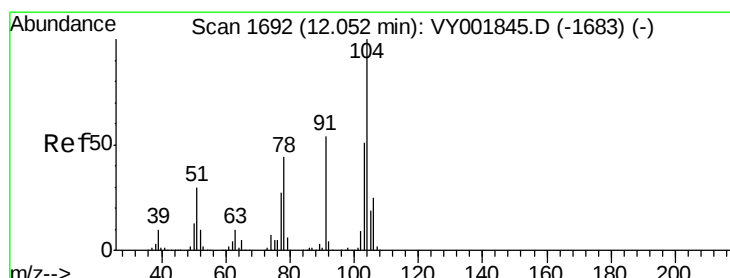
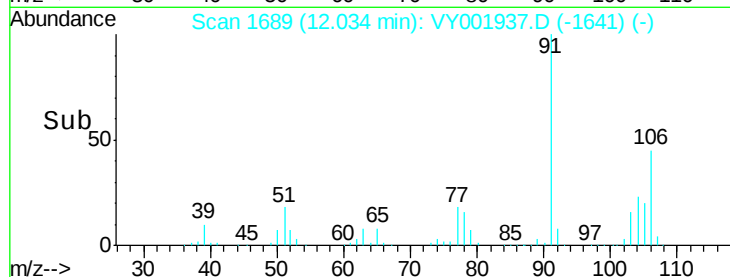
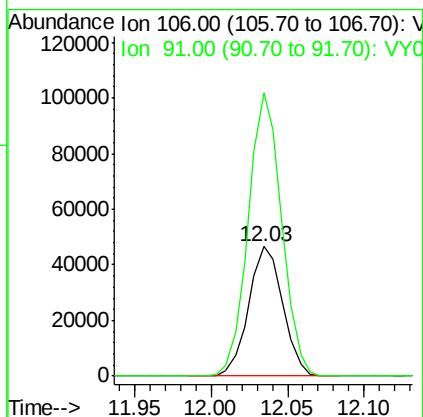
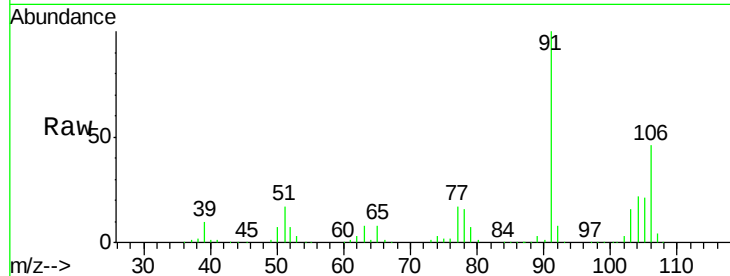
#69
o-Xylene
Concen: 20.908 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion:106 Resp: 72647
Ion Ratio Lower Upper
106 100
91 212.9 106.8 320.4

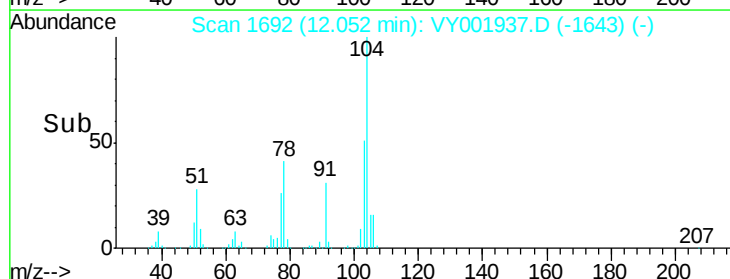
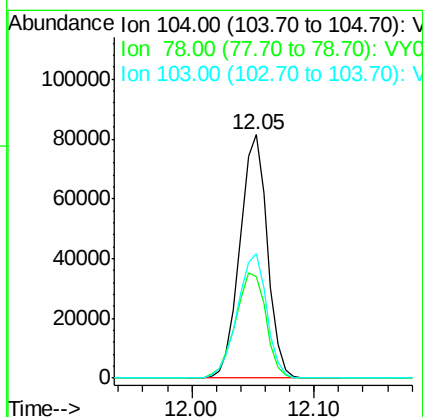
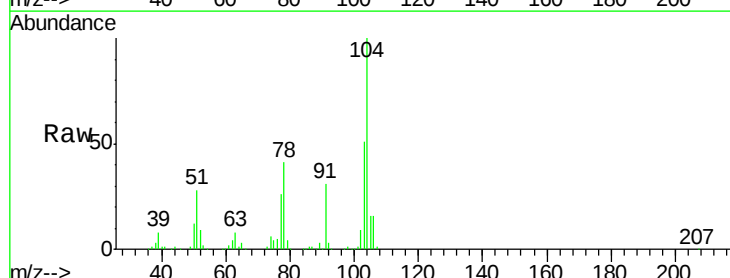
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#70
Styrene
Concen: 21.178 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion:104 Resp: 126036
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 54.9 42.9 64.3





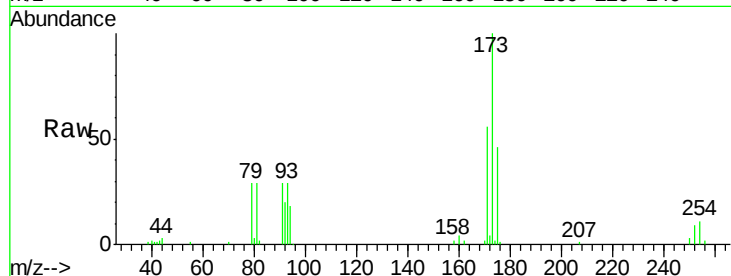
#71
Bromoform
Concen: 20.772 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

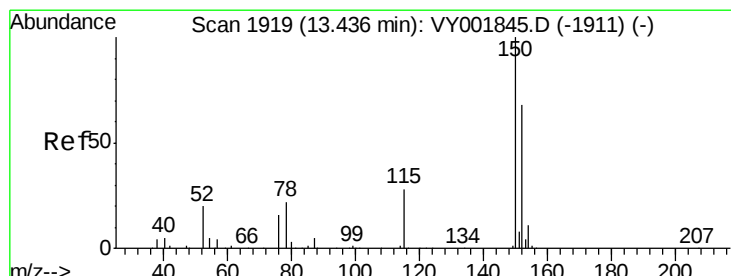
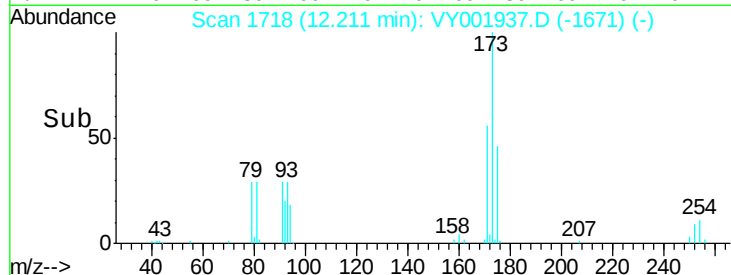
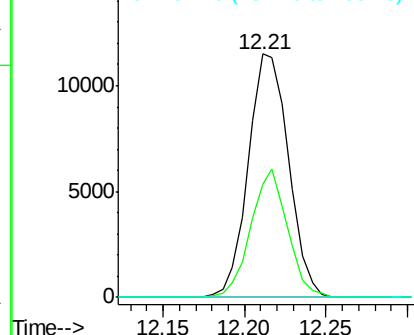
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.0	0.0

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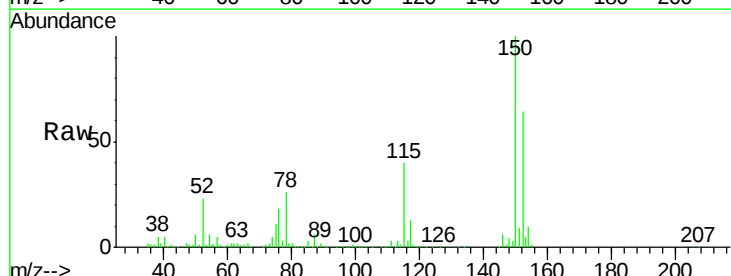


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

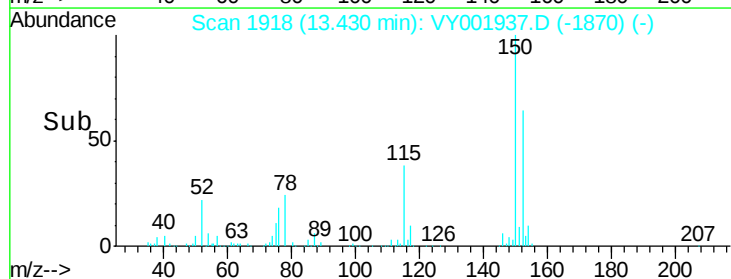
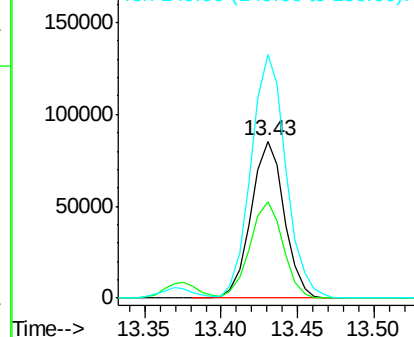


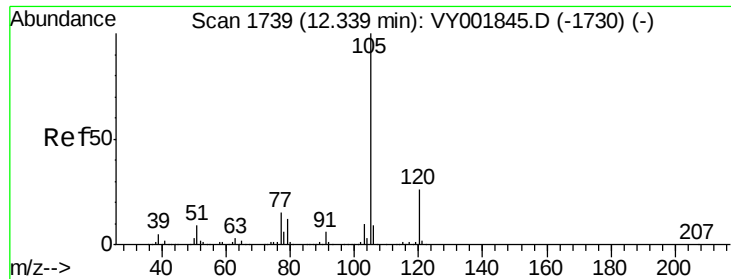
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.9	89.7
150	163.9	0.0	340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





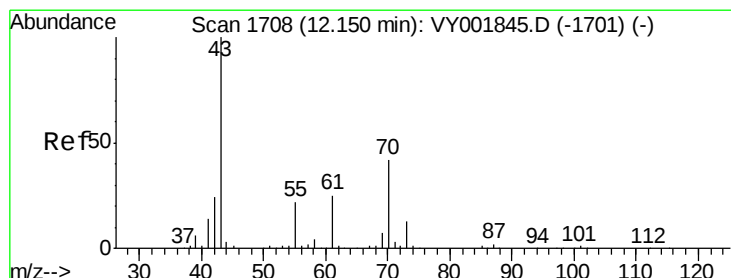
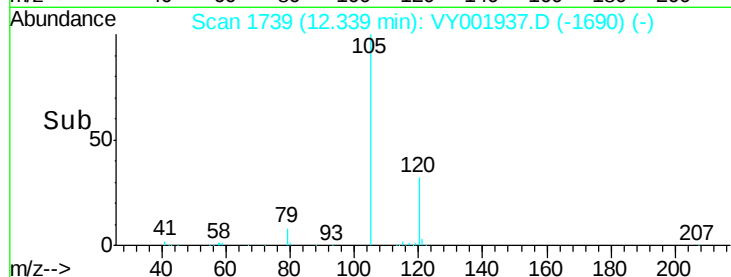
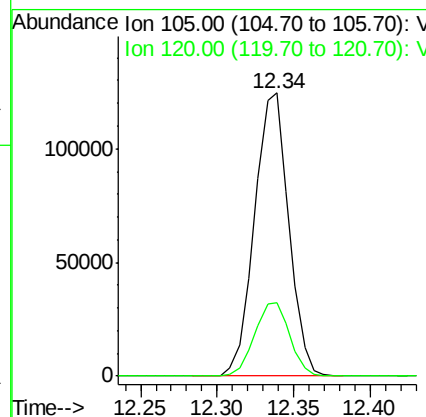
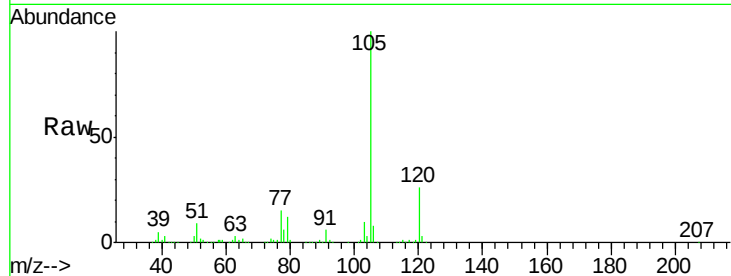
#73
Isopropylbenzene
Concen: 19.822 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.1	39.3

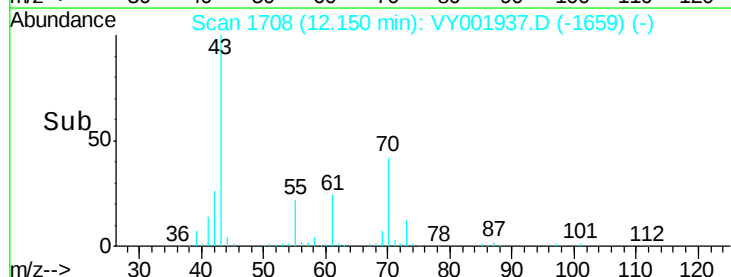
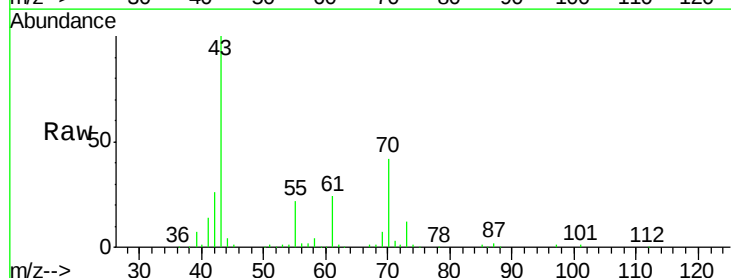
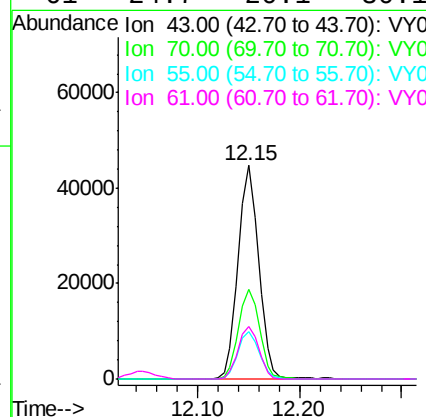
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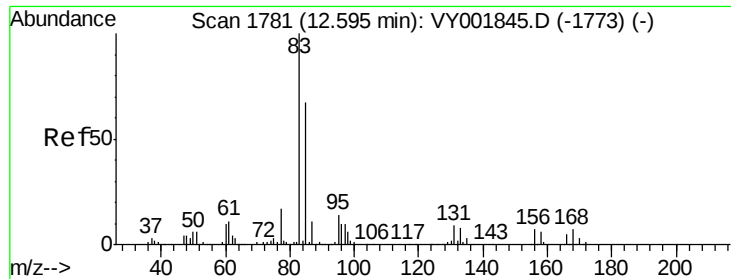
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#74
N-ethyl acetate
Concen: 20.840 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.7	52.1
55	23.1	18.2	27.4
61	24.7	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.552 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

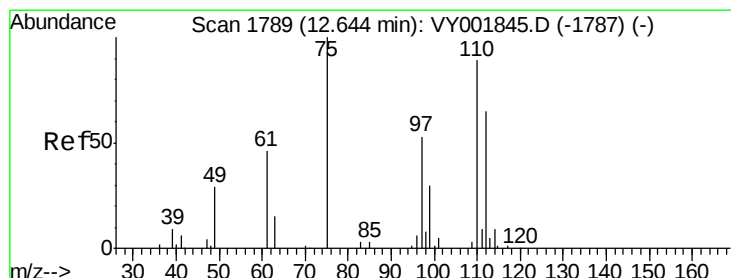
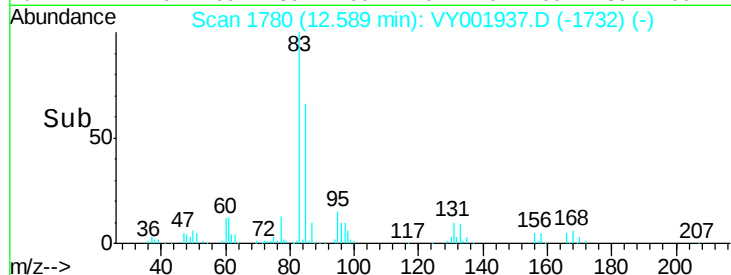
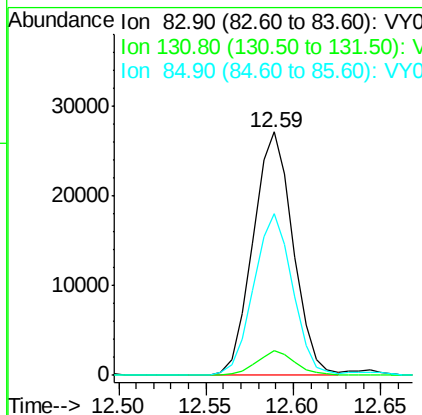
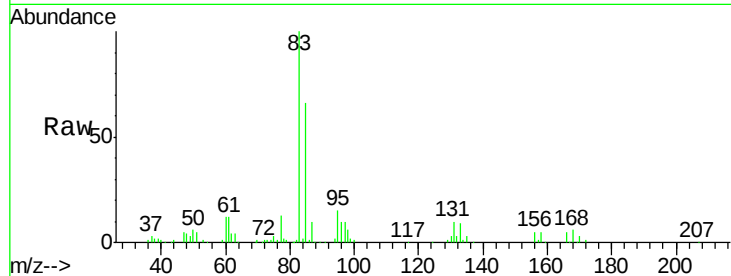
ClientSampleId :

VY0311SBS01

Tot Ion:	83	Resp:	43431
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.6	13.8
85	64.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 20.364 ug/l m

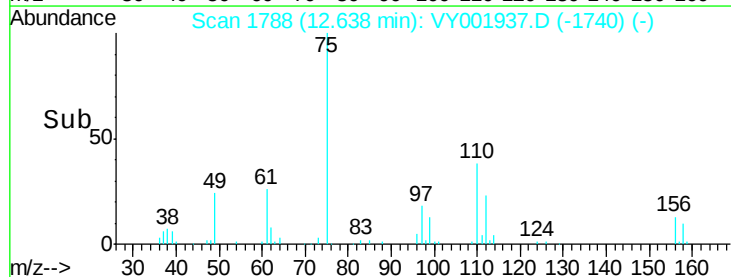
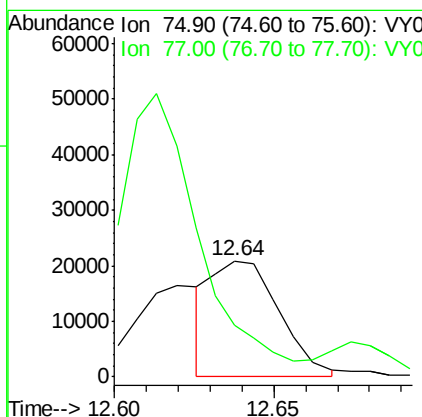
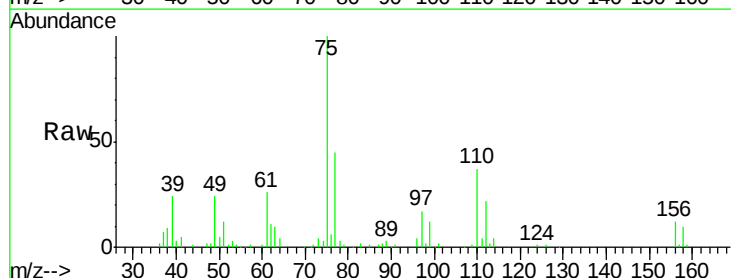
RT: 12.64 min Scan# 1788

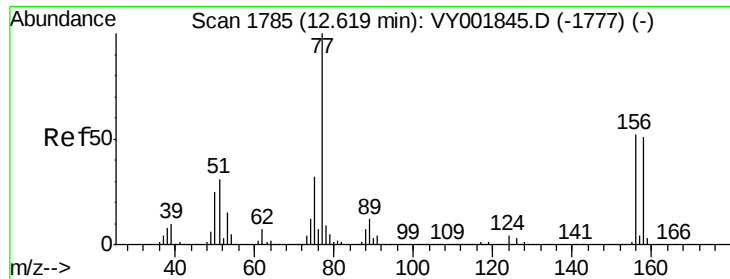
Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Tgt Ion:	75	Resp:	31017
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





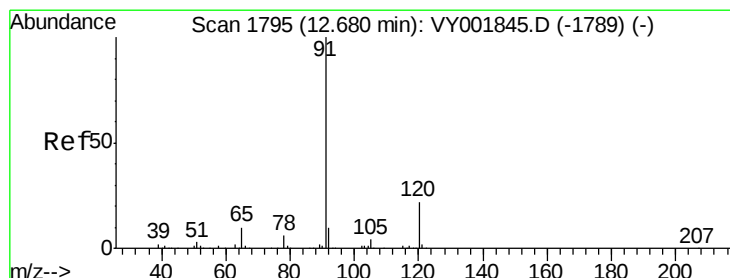
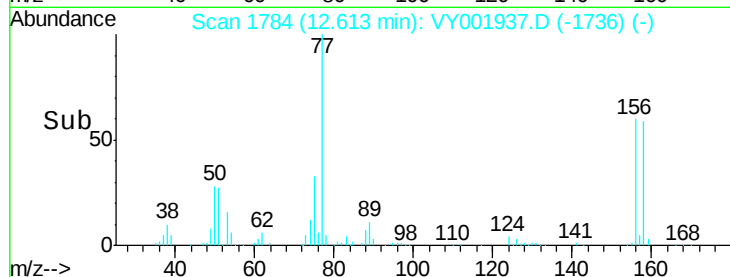
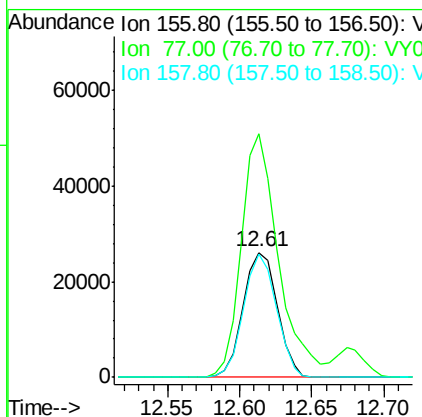
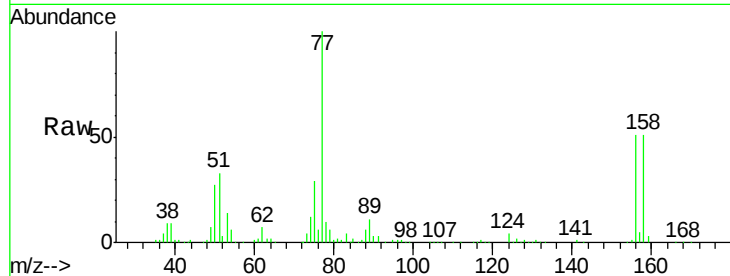
#77
Bromobenzene
Concen: 20.655 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.9	109.0	327.0
158	95.1	48.9	146.8

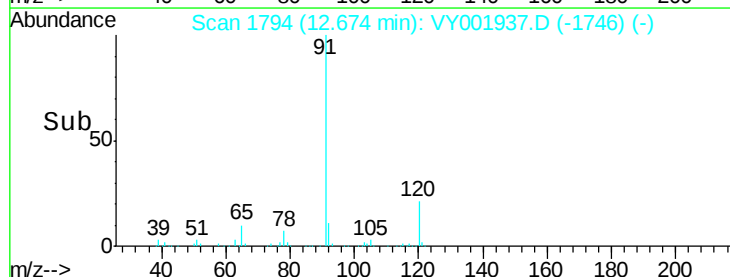
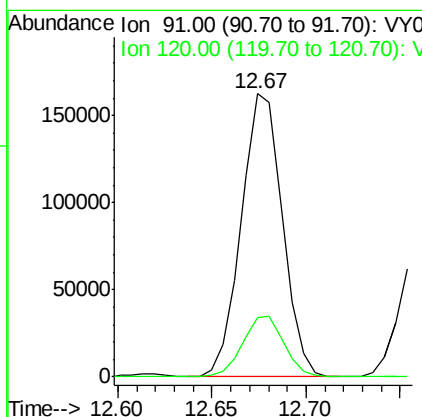
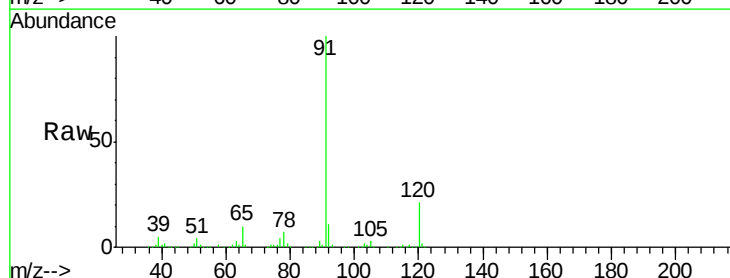
Manual Integrations
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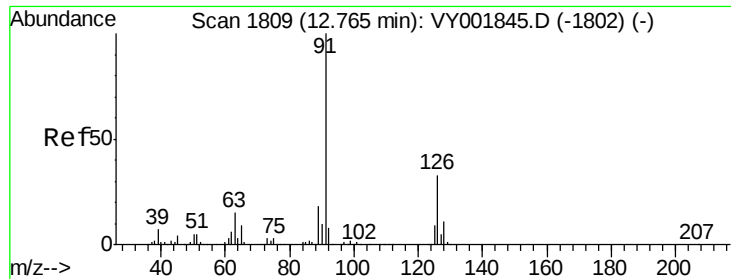
MMDadoda
3/12/2020 2:46:14 PM



#78
n-propylbenzene
Concen: 20.328 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.0	33.0





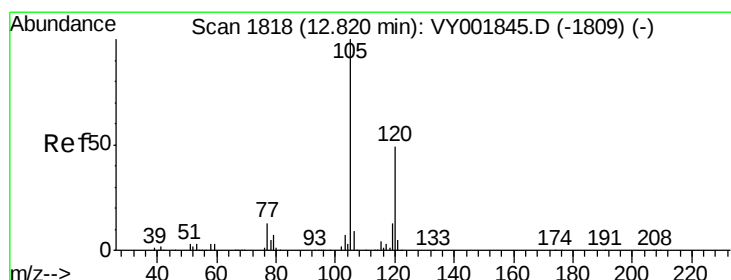
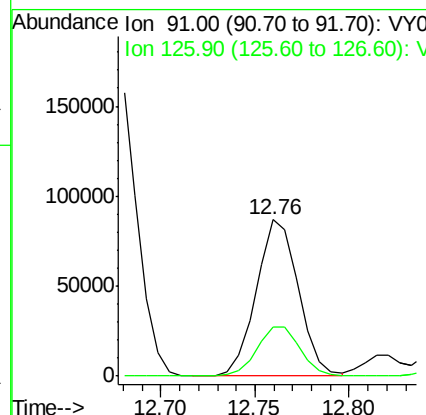
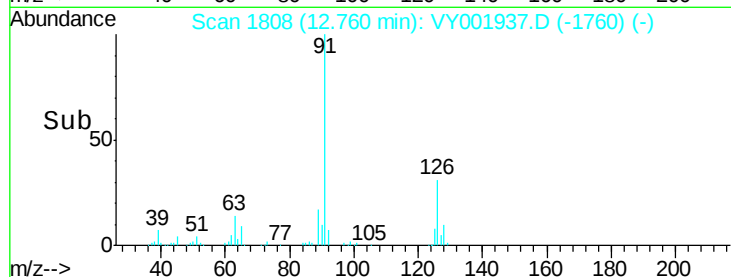
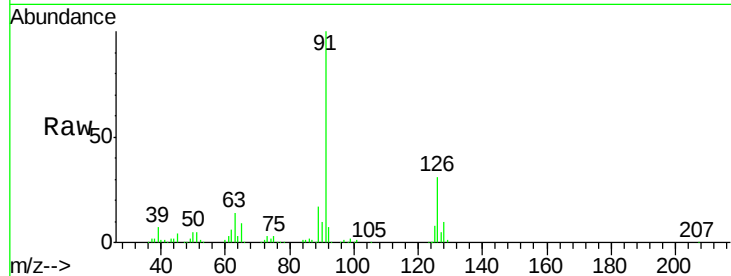
#79
2-Chlorotoluene
Concen: 20.145 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Tot Ion: 91 Resp: 134549
Ion Ratio Lower Upper
91 100
126 32.5 16.3 48.8

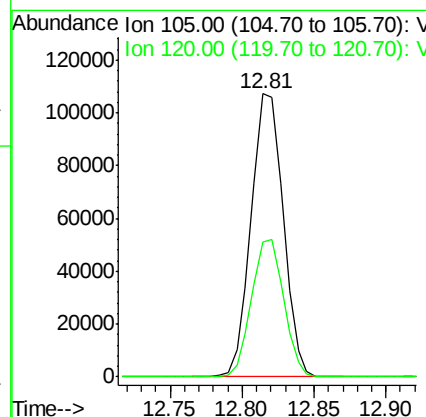
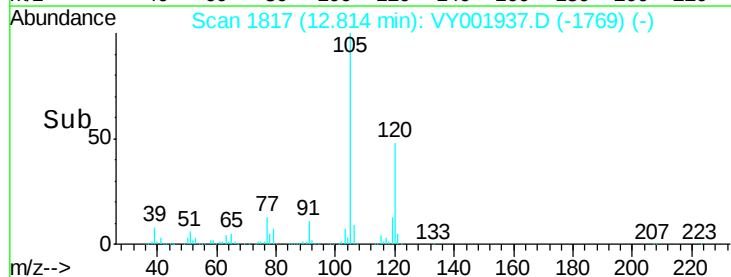
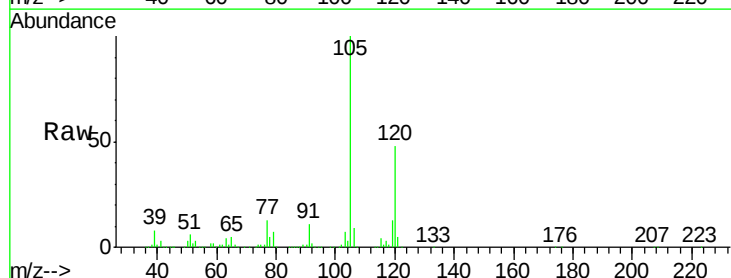
Manual Integrations
APPROVED

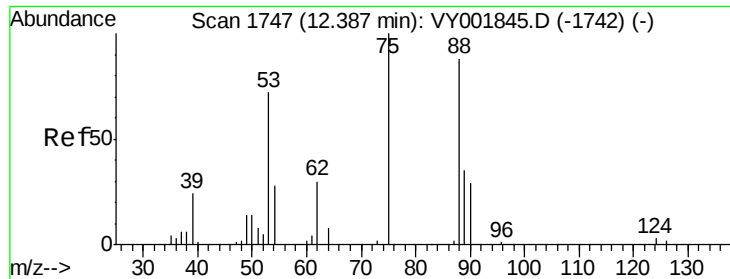
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.472 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion: 105 Resp: 165149
Ion Ratio Lower Upper
105 100
120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.655 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

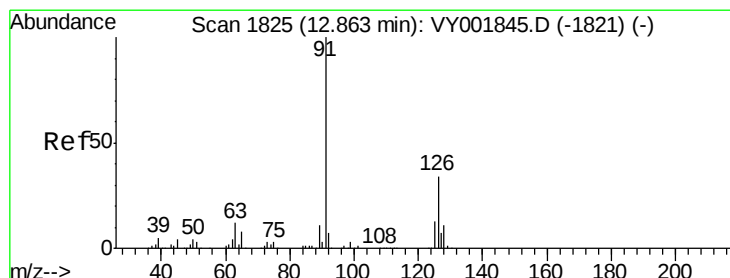
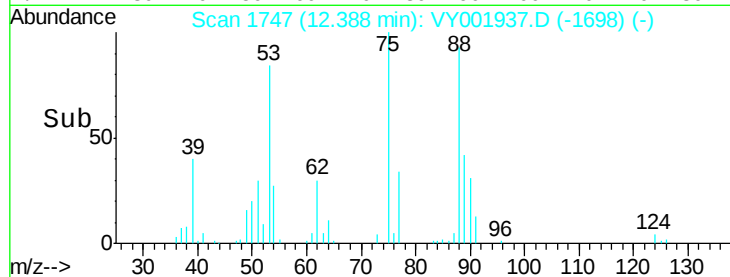
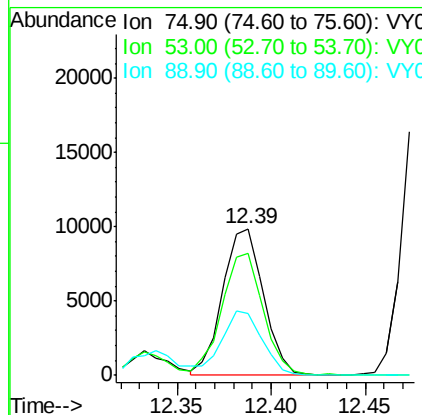
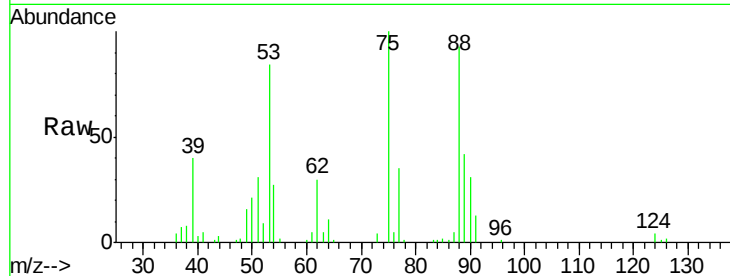
ClientSampleId :

VY0311SBSD01

Tot Ion:	75	Resp:	14821
Ion Ratio	Lower	Upper	
75	100		
53	84.5	65.4	98.0
89	43.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.191 ug/l

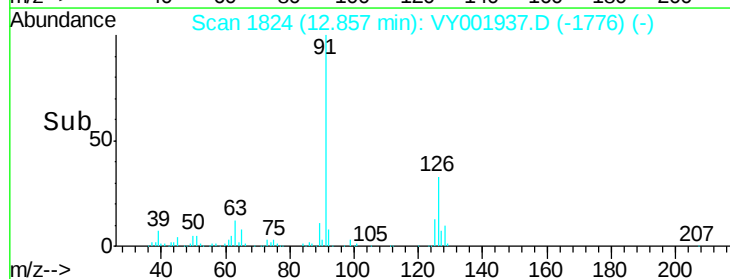
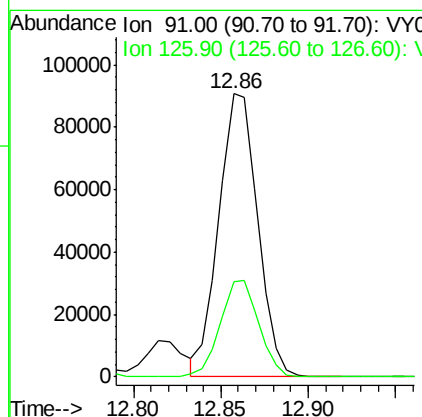
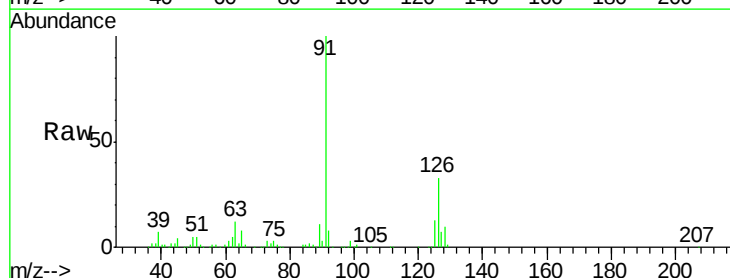
RT: 12.86 min Scan# 1824

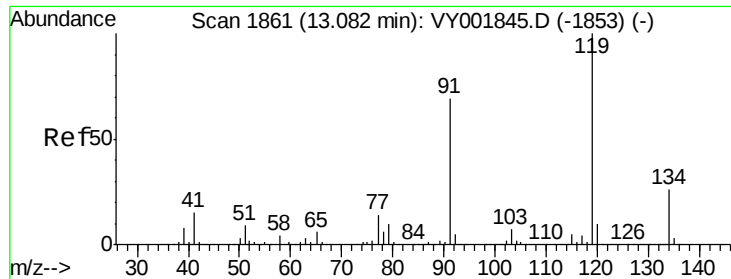
Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Tgt Ion:	91	Resp:	140413
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.4	49.2





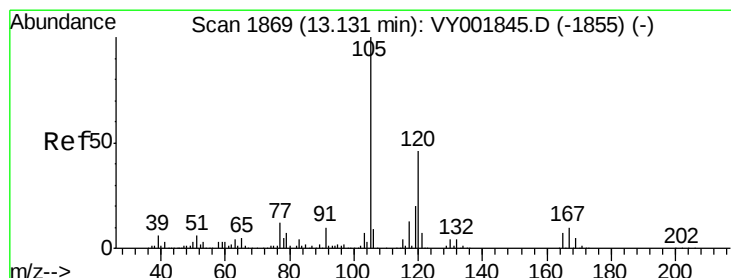
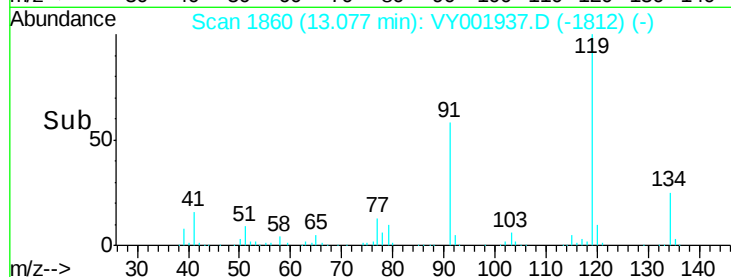
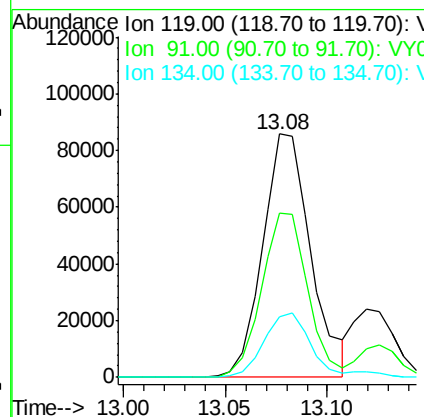
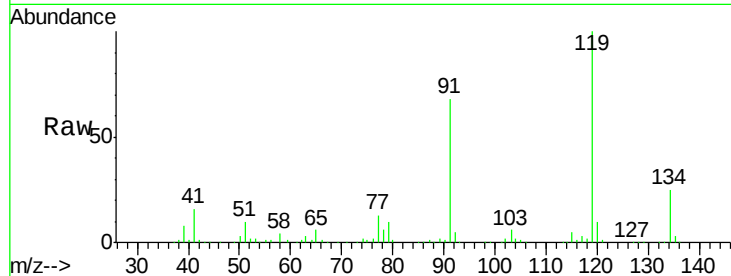
#83
 tert-Butylbenzene
 Concen: 21.023 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140863		
91	64.8	34.0	101.8	
134	26.8	13.5	40.4	

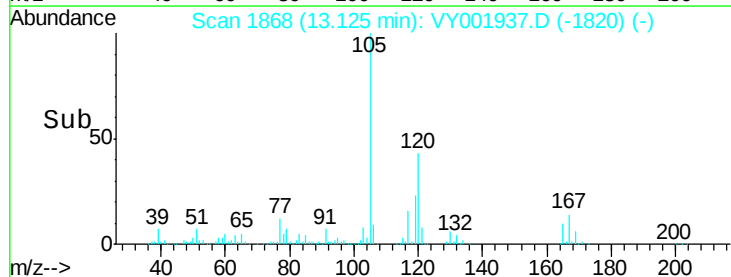
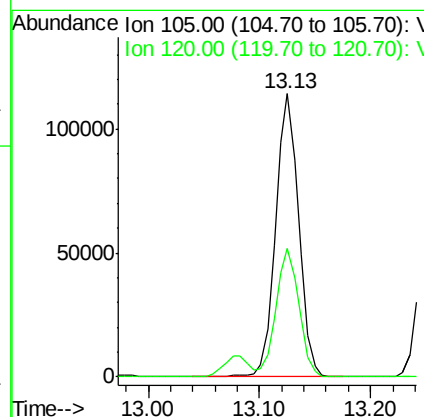
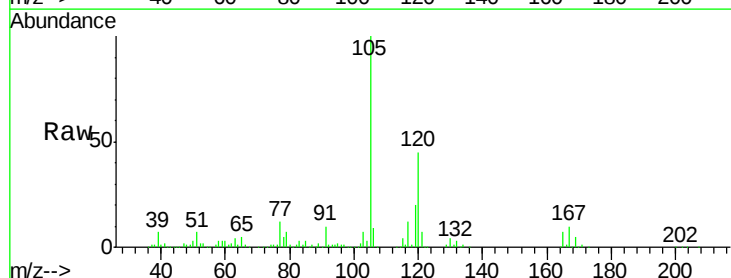
Manual Integrations
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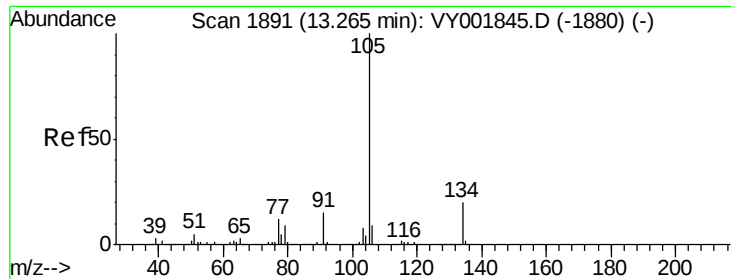
MMDadoda
 3/12/2020 2:46:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.522 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	164295		
120	45.2	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.811 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0311SBS01

Tot Ion:105 Resp: 205535

Ion Ratio Lower Upper

105 100

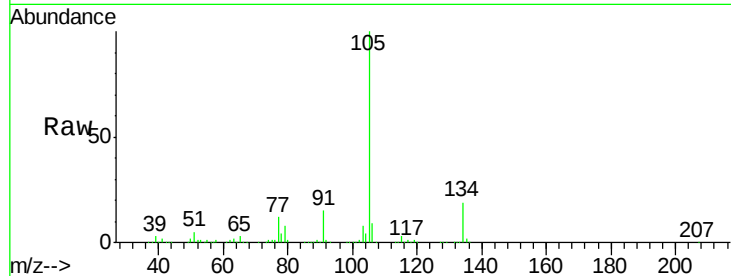
134 19.2 9.7 29.1

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

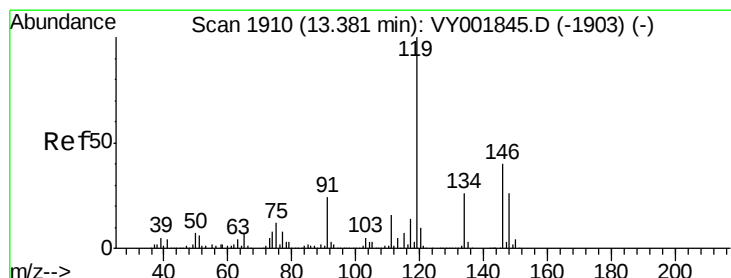
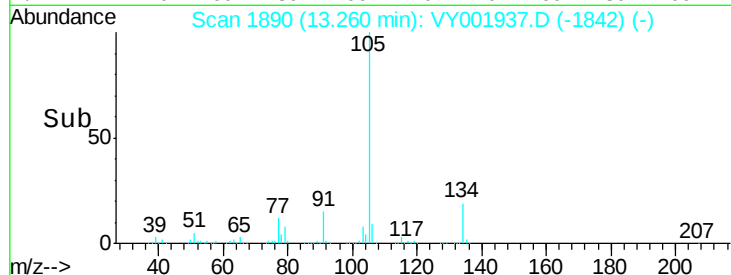
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 20.966 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001937.D

Acq: 11 Mar 2020 12:57

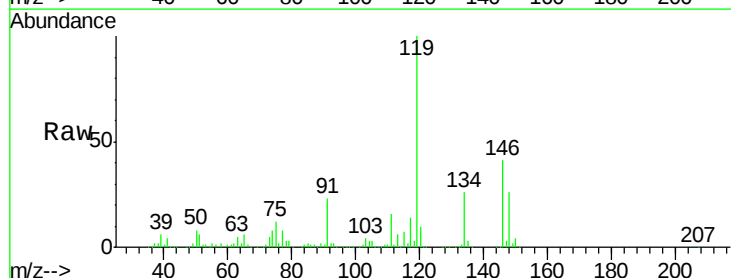
Tgt Ion:119 Resp: 178621

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.6 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

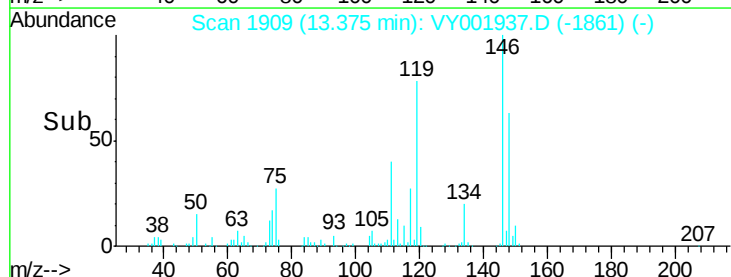
100000

50000

0

13.30 13.35 13.40

Time-->





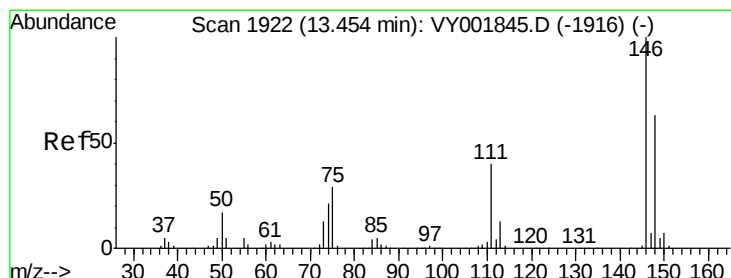
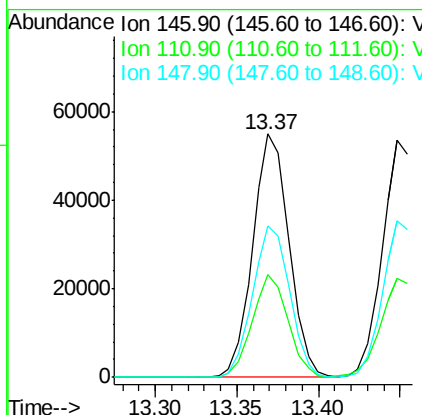
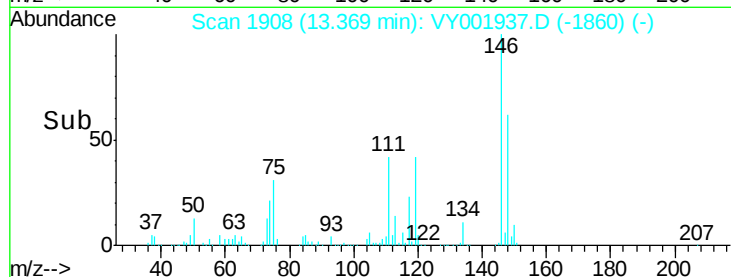
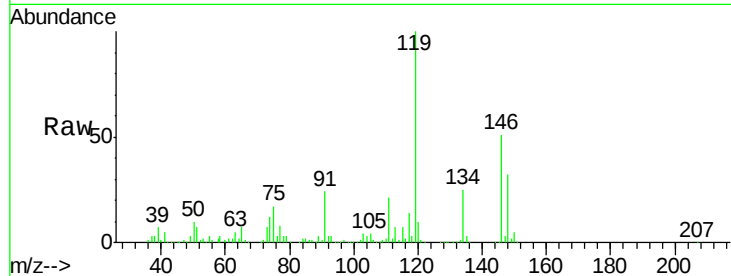
#87
 1,3-Dichlorobenzene
 Concen: 20.825 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.7	31.4	94.0

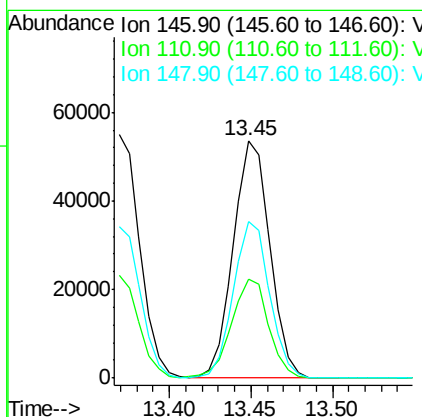
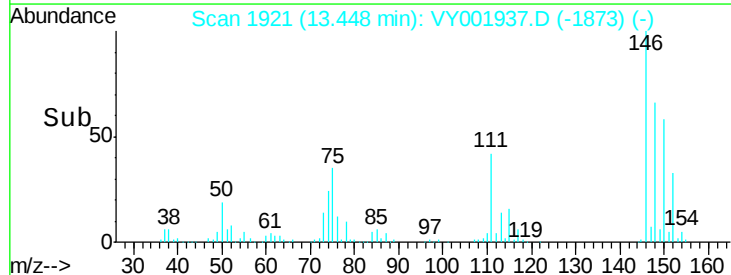
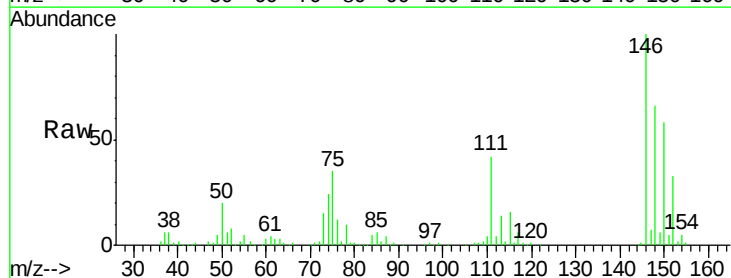
Manual Integrations
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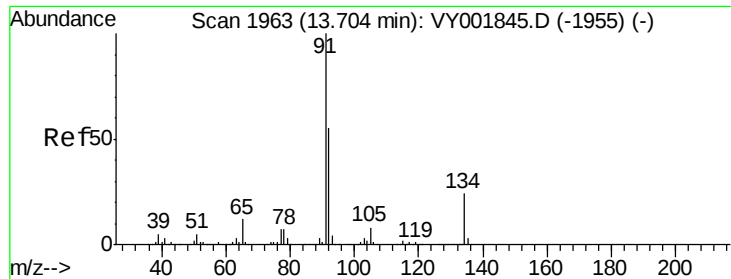
MMDadoda
 3/12/2020 2:46:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.355 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	64.9	31.5	94.5





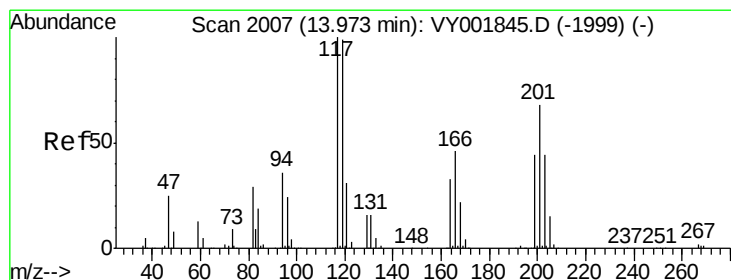
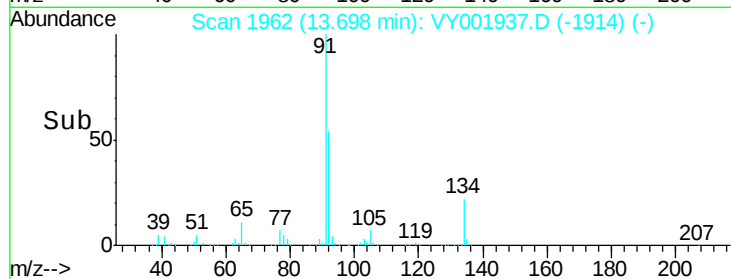
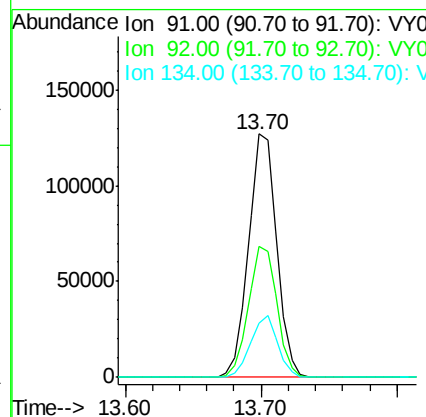
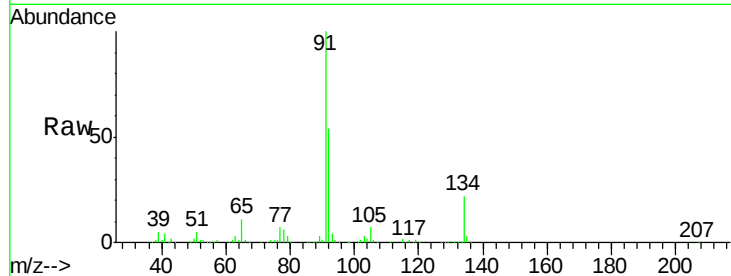
#89
n-Butylbenzene
Concen: 20.843 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	184234		
92	54.4	27.5	82.4	
134	24.4	12.5	37.5	

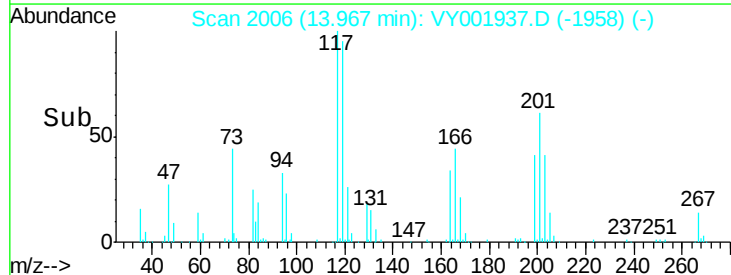
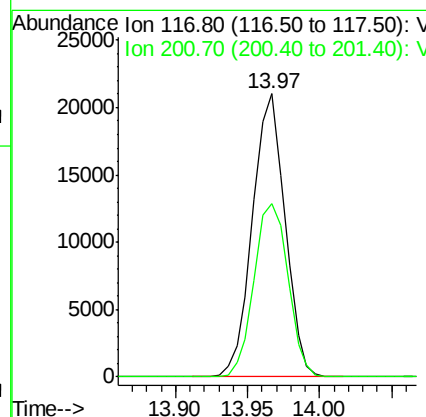
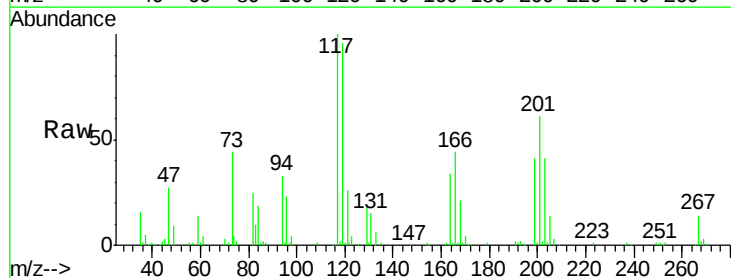
Manual Integrations
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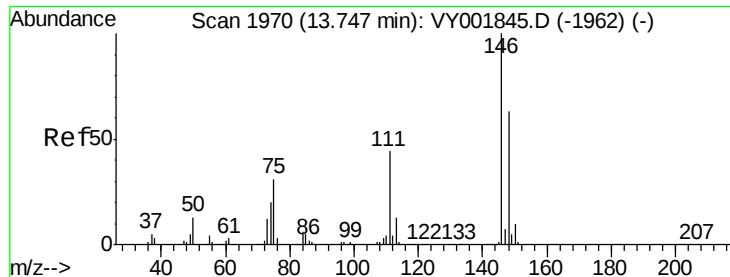
MMDadoda
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#90
Hexachloroethane
Concen: 20.452 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32871		
201	64.0	32.5	97.5	





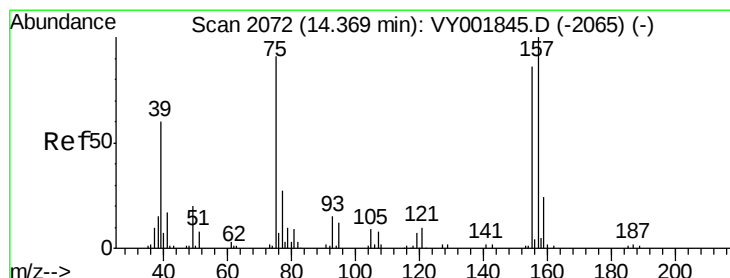
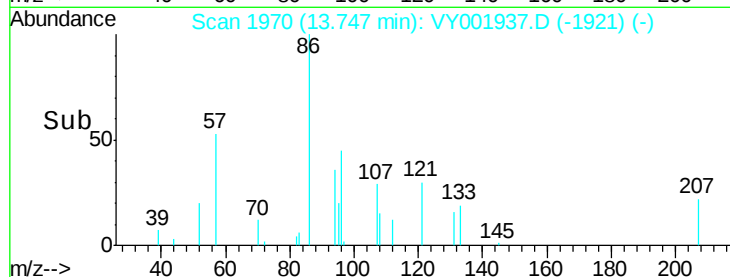
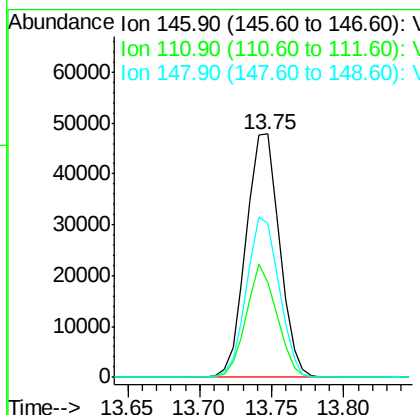
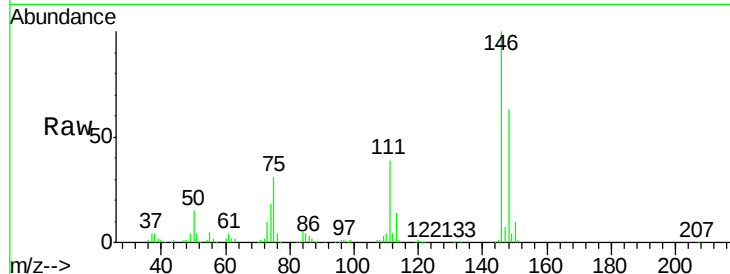
#91
 1,2-Dichlorobenzene
 Concen: 20.830 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.0	32.0	96.0

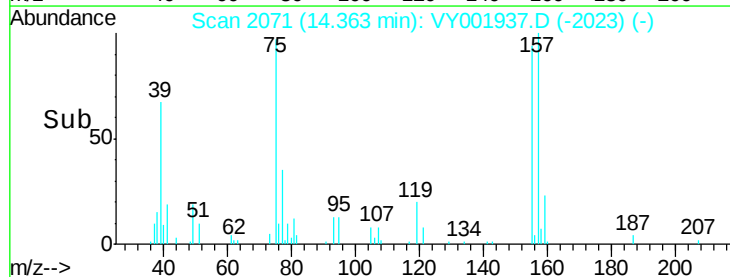
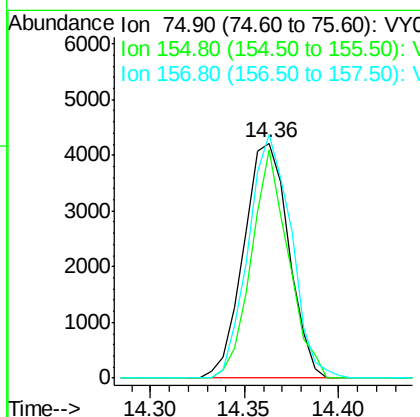
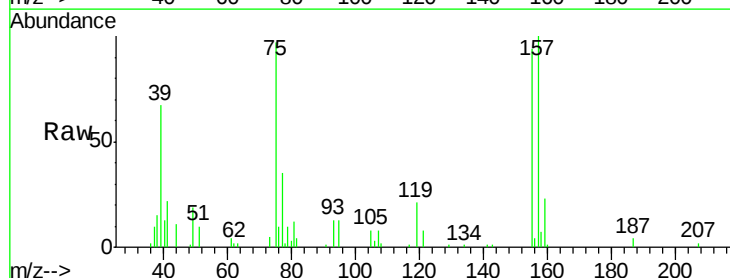
Manual Integrations
 APPROVED

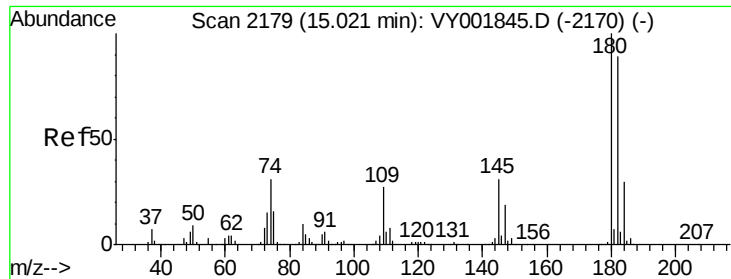
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.165 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	42.9	128.7
157	98.7	53.1	159.4





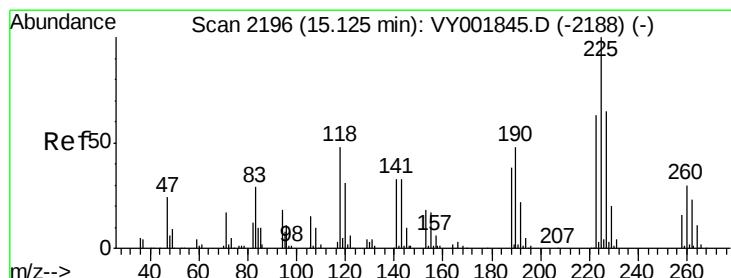
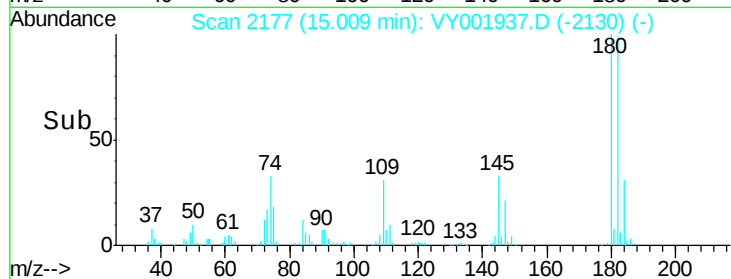
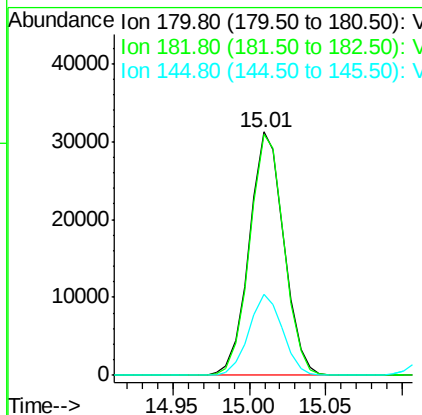
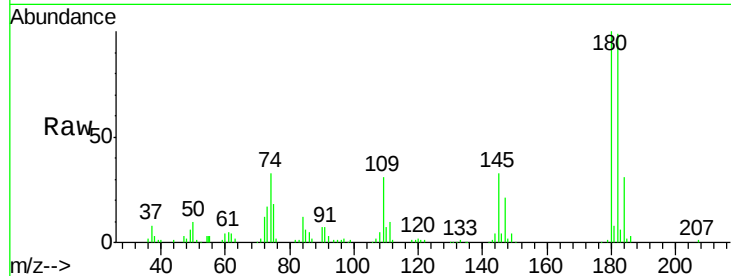
#93
 1,2,4-Trichlorobenzene
 Concen: 20.440 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	46.1	138.3
145	32.3	15.6	46.8

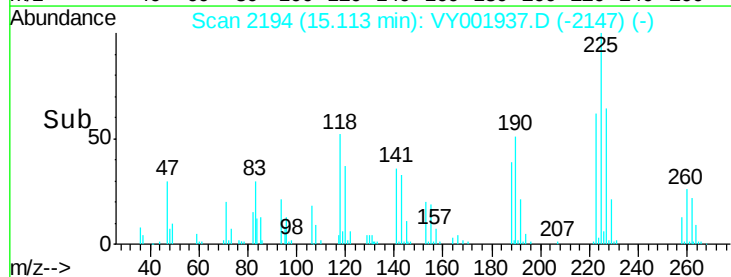
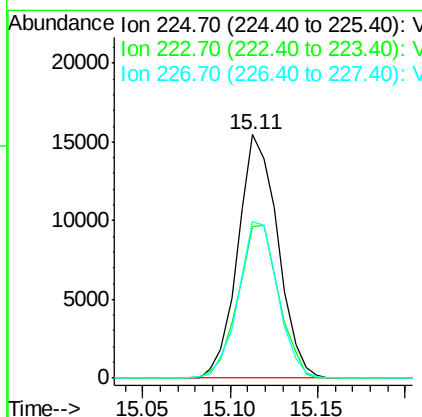
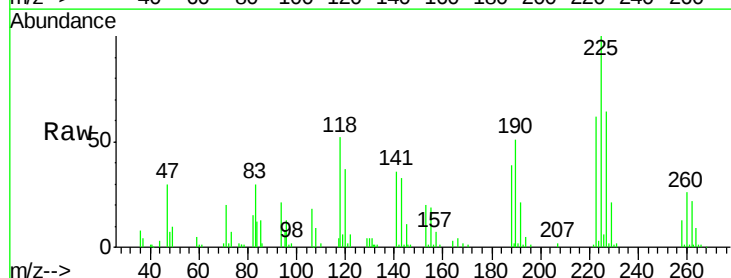
Manual Integrations
 APPROVED

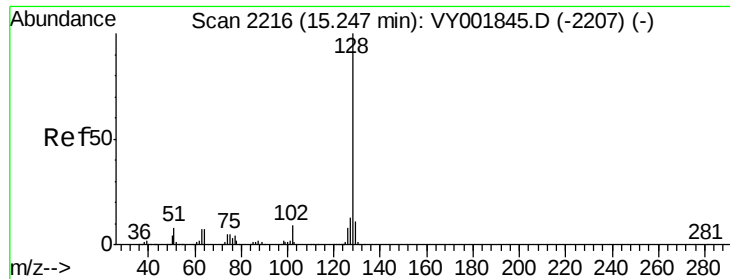
MMDadoda
 3/12/2020 2:46:14 PM



#94
 Hexachlorobutadiene
 Concen: 20.926 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001937.D
 Acq: 11 Mar 2020 12:57

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





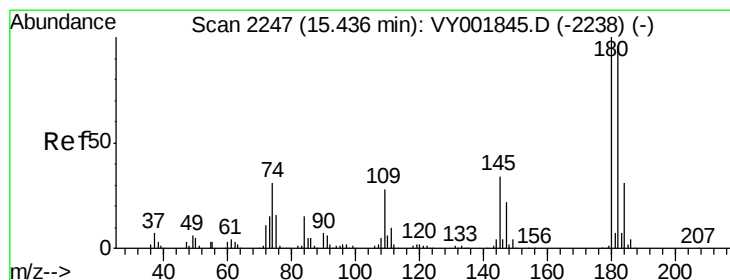
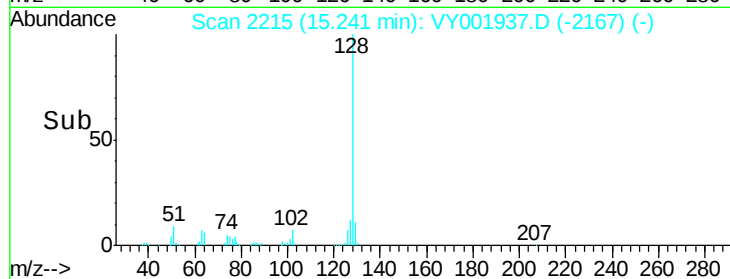
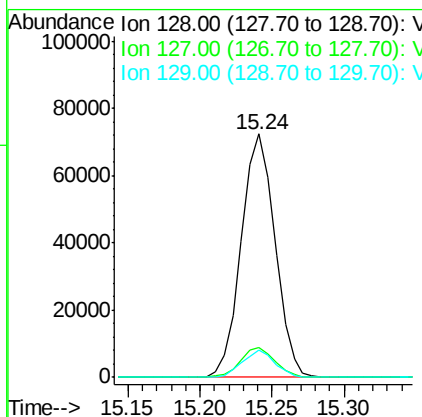
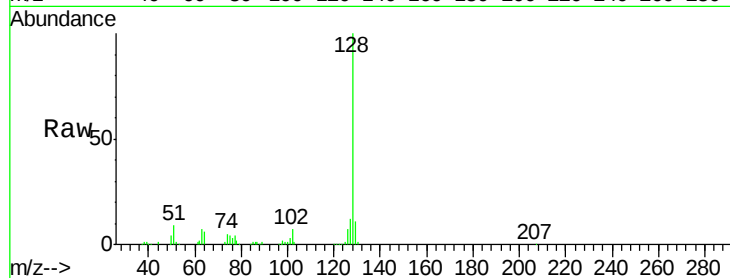
#95
Naphthalene
Concen: 20.715 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:46:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.844 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001937.D
Acq: 11 Mar 2020 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.6	142.9
145	32.4	16.8	50.3

