

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001921.D
 Acq On : 10 Mar 2020 14:06
 Operator : SY/MD
 Sample : VY0310SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Manual Integrations
 APPROVED

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 3/11/2020 3:22:43 PM

Quant Time: Mar 11 04:38:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	175333	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	317306	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	284938	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	133669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	93811	50.12	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.24%	
35) Dibromofluoromethane	7.72	113	86894	50.15	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.30%	
50) Toluene-d8	10.18	98	357638	48.95	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.48	95	125450	49.38	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	98.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	29983	18.526	ug/l	99
3) Chloromethane	2.12	50	42327	19.398	ug/l	99
4) Vinyl Chloride	2.26	62	42445	19.124	ug/l	95
5) Bromomethane	2.65	94	27796	17.656	ug/l	95
6) Chloroethane	2.79	64	26938	19.321	ug/l #	86
7) Trichlorofluoromethane	3.13	101	58231	19.345	ug/l	96
8) Diethyl Ether	3.54	74	24808	20.911	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38679	19.978	ug/l	98
10) Methyl Iodide	4.10	142	42489	18.977	ug/l	99
11) Tert butyl alcohol	4.96	59	31812	154.709	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	39055	20.034	ug/l	97
13) Acrolein	3.74	56	26156	99.440	ug/l	96
14) Allyl chloride	4.49	41	71111	20.577	ug/l	99
15) Acrylonitrile	5.18	53	66382	104.712	ug/l	100
16) Acetone	3.96	43	54442	99.861	ug/l	98
17) Carbon Disulfide	4.20	76	125869	19.207	ug/l	100
18) Methyl Acetate	4.49	43	29237	20.872	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	111039	21.019	ug/l	97
20) Methylene Chloride	4.72	84	49188	21.052	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	44259	20.003	ug/l	98
22) Diisopropyl ether	6.13	45	145313	20.513	ug/l	99
23) Vinyl Acetate	6.07	43	479123	103.170	ug/l	100
24) 1,1-Dichloroethane	6.03	63	77550	20.215	ug/l	99
25) 2-Butanone	7.00	43	87720	105.805	ug/l	98
26) 2,2-Dichloropropane	6.99	77	64199	20.390	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	49135	20.415	ug/l	100
28) Bromochloromethane	7.35	49	35503	20.532	ug/l	99
29) Tetrahydrofuran	7.35	42	57056	103.634	ug/l	99
30) Chloroform	7.52	83	72550	20.129	ug/l	100
31) Cyclohexane	7.79	56	81241	19.751	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	61068	20.103	ug/l	98
36) 1,1-Dichloropropene	7.92	75	61336	20.087	ug/l	98
37) Ethyl Acetate	7.08	43	38240	21.548	ug/l	100
38) Carbon Tetrachloride	7.91	117	51982	19.929	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81545	20.135	ug/l	98
40) Benzene	8.16	78	182897	20.209	ug/l	100
41) Methacrylonitrile	7.32	41	18671m	23.378	ug/l	
42) 1,2-Dichloroethane	8.24	62	47835	20.511	ug/l	100
43) Isopropyl Acetate	8.28	43	69686	20.740	ug/l	98
44) Trichloroethene	8.94	130	43115	19.561	ug/l	93
45) 1,2-Dichloropropane	9.22	63	46899	20.614	ug/l	98
46) Dibromomethane	9.31	93	24162	20.609	ug/l	98
47) Bromodichloromethane	9.50	83	55570	20.375	ug/l	99
48) Methyl methacrylate	9.30	41	30346	20.354	ug/l	96
49) 1,4-Dioxane	9.30	88	7068	439.960	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	183880	106.251	ug/l	100
52) Toluene	10.24	92	111381	20.259	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61766	20.787	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	72556	20.512	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	35241	20.539	ug/l	97
56) Ethyl methacrylate	10.51	69	53063	21.099	ug/l	96
57) 1,3-Dichloropropane	10.79	76	63431	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	136164	140.840	ug/l	100
59) 2-Hexanone	10.83	43	127471	103.196	ug/l	100
60) Dibromochloromethane	10.99	129	36398	20.131	ug/l	99
61) 1,2-Dibromoethane	11.09	107	32803	20.183	ug/l	100
64) Tetrachloroethene	10.72	164	35946	20.116	ug/l	97
65) Chlorobenzene	11.52	112	113261	19.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	38571	20.717	ug/l	99
67) Ethyl Benzene	11.59	91	214135	20.223	ug/l	95
68) m/p-Xylenes	11.70	106	158158	40.401	ug/l	99
69) o-Xylene	12.03	106	74643	20.230	ug/l	99
70) Styrene	12.04	104	129344	20.468	ug/l	100
71) Bromoform	12.20	173	20634	20.436	ug/l #	99
73) Isopropylbenzene	12.33	105	202148	19.811	ug/l	99
74) N-amyl acetate	12.14	43	65321	20.829	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	44357	20.158	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	25616m	16.151	ug/l	
77) Bromobenzene	12.61	156	43998	20.352	ug/l	97
78) n-propylbenzene	12.67	91	250976	19.937	ug/l	100
79) 2-Chlorotoluene	12.76	91	138890	19.970	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	167439	19.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15483	19.718	ug/l	95
82) 4-Chlorotoluene	12.86	91	145460	20.087	ug/l	99
83) tert-Butylbenzene	13.08	119	142738	20.458	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	167009	20.033	ug/l	99
85) sec-Butylbenzene	13.25	105	208478	20.272	ug/l	100
86) p-Isopropyltoluene	13.37	119	181304	20.437	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	85523	20.187	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84957	19.767	ug/l	98
89) n-Butylbenzene	13.70	91	185967	20.205	ug/l	99
90) Hexachloroethane	13.96	117	32935	19.679	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	79054	20.540	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7005	20.401	ug/l	94

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51537	20.648	ug/l	98
94) Hexachlorobutadiene	15.12	225	24725	20.318	ug/l	98
95) Naphthalene	15.24	128	119994	20.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	46114	20.972	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:168 Resp: 175333

Ion Ratio Lower Upper

168 100

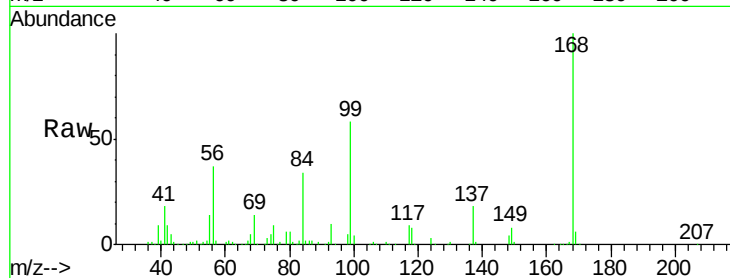
99 57.8 46.7 70.1

Manual Integrations

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

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

7.80

80000

60000

40000

20000

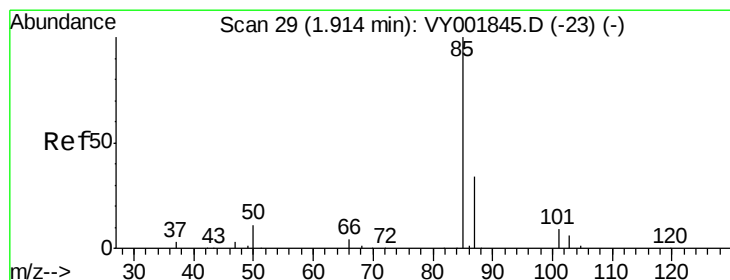
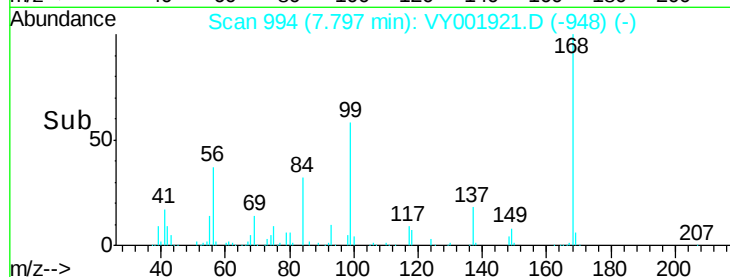
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.526 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY001921.D

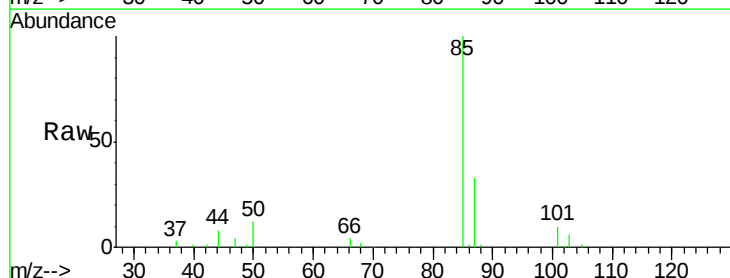
Acq: 10 Mar 2020 14:06

Tgt Ion: 85 Resp: 29983

Ion Ratio Lower Upper

85 100

87 32.9 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) (-)

1.90

20000

15000

10000

5000

0

1.80

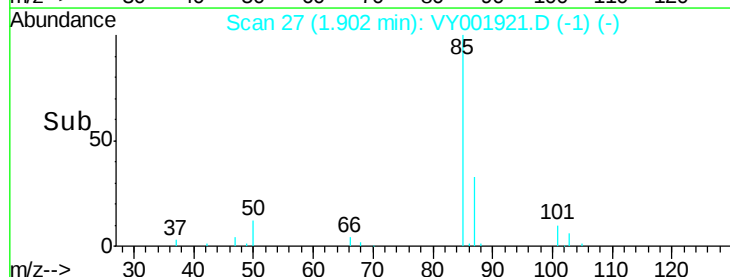
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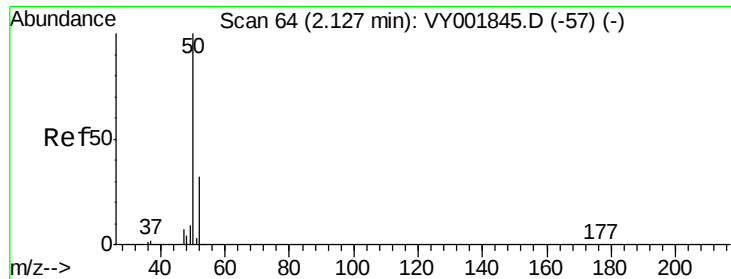
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 19.398 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 50 Resp: 42327

Ion Ratio Lower Upper

50 100

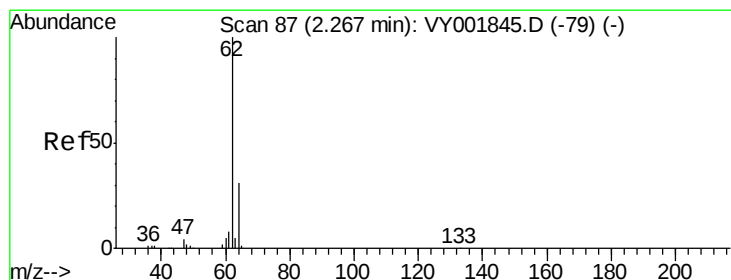
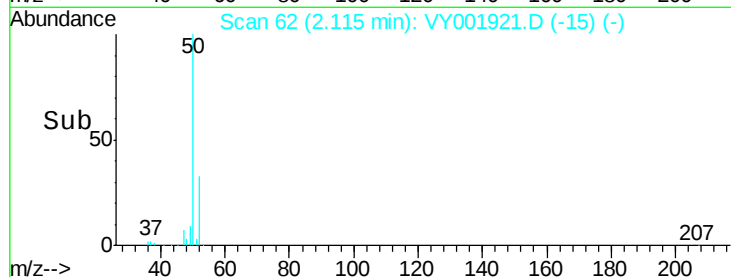
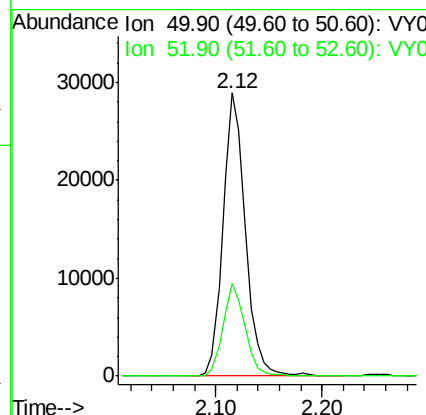
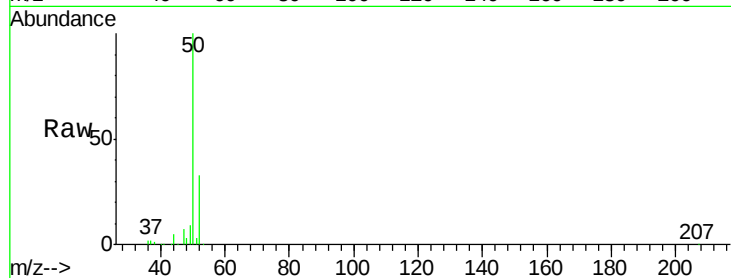
52 32.7 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.124 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001921.D

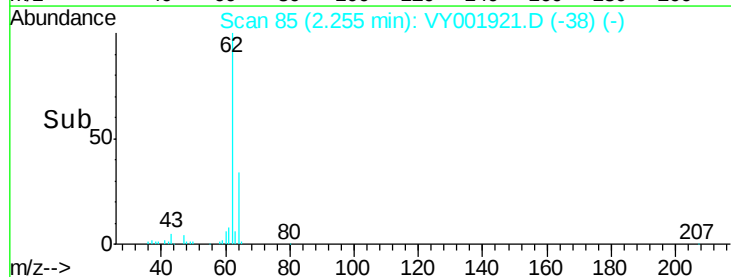
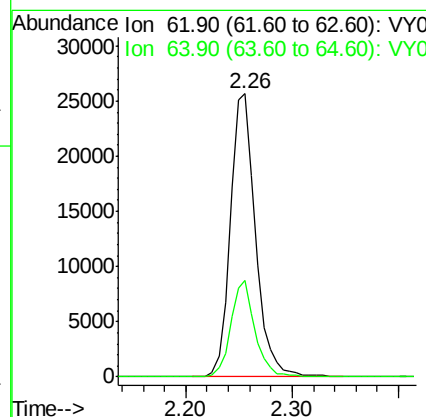
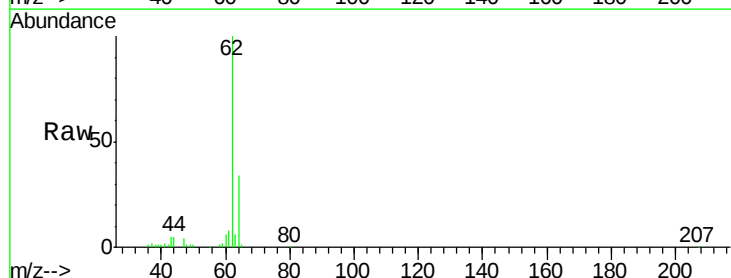
Acq: 10 Mar 2020 14:06

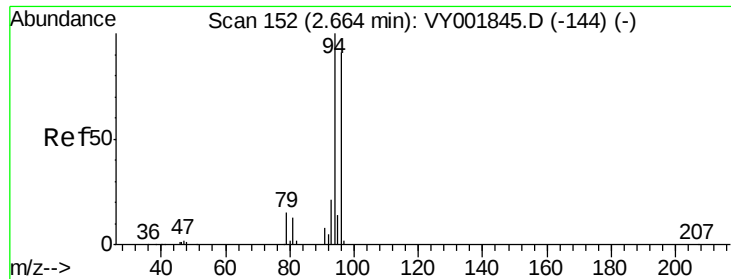
Tgt Ion: 62 Resp: 42445

Ion Ratio Lower Upper

62 100

64 33.9 25.1 37.7





#5

Bromomethane

Concen: 17.656 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 94 Resp: 27796

Ion Ratio Lower Upper

94 100

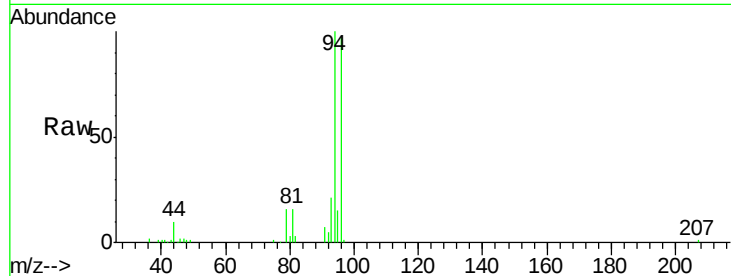
96 96.7 73.2 109.8

Manual Integrations

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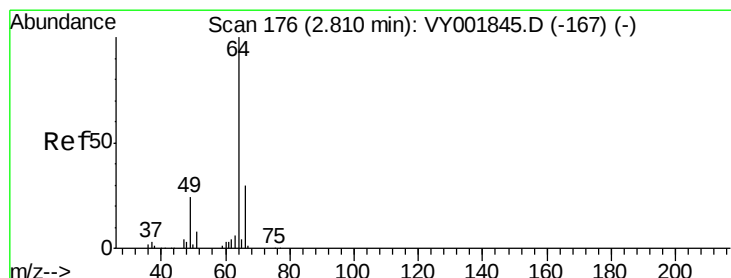
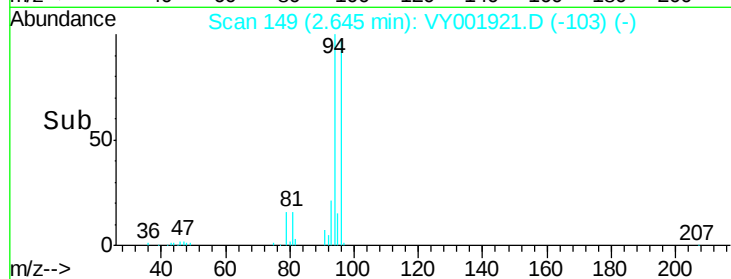
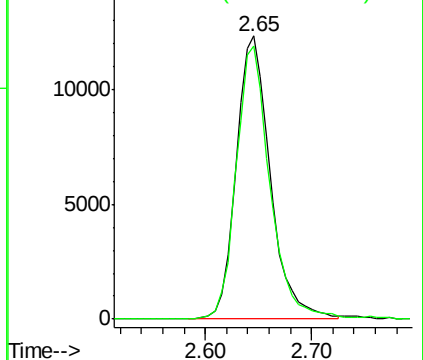
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.321 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.02 min

Lab File: VY001921.D

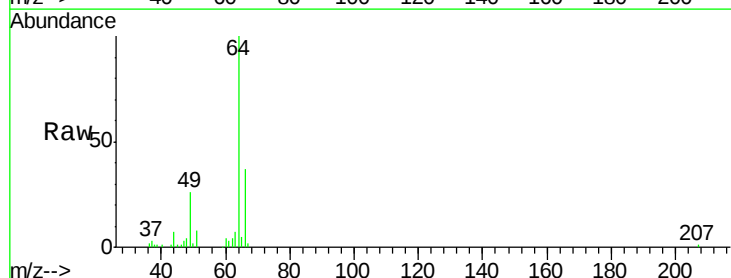
Acq: 10 Mar 2020 14:06

Tgt Ion: 64 Resp: 26938

Ion Ratio Lower Upper

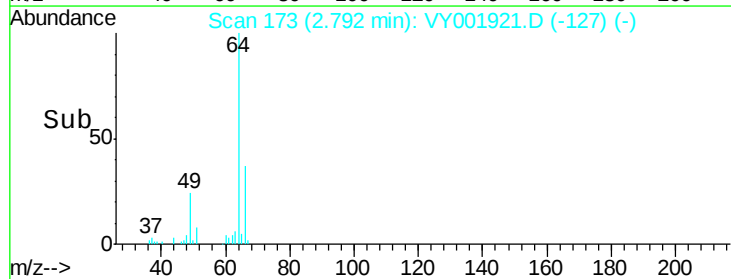
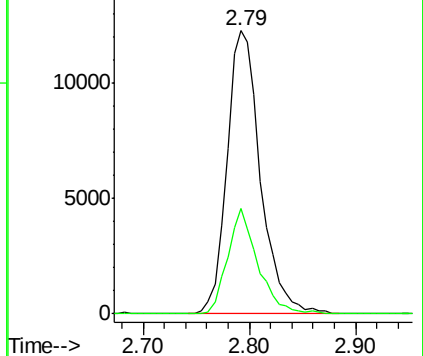
64 100

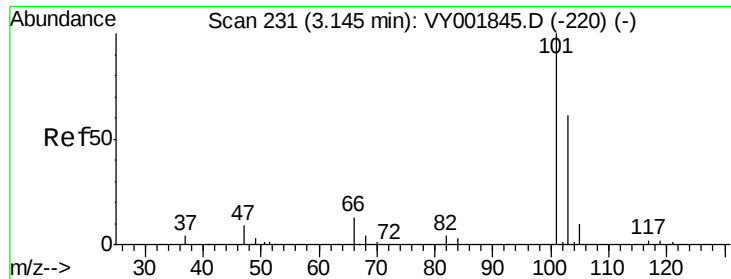
66 37.4 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

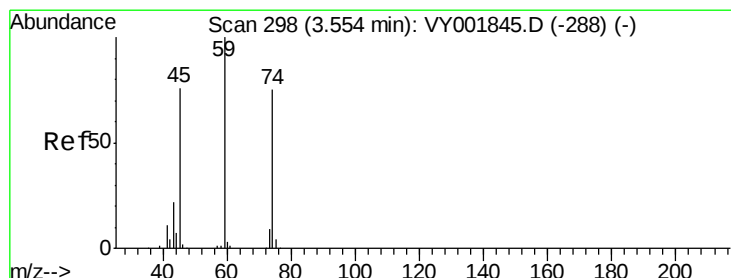
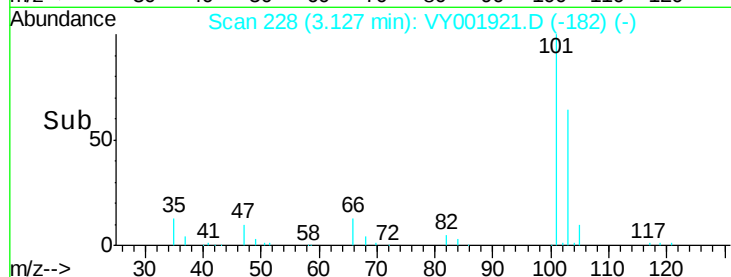
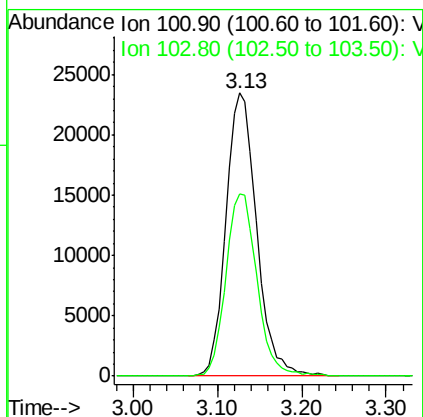
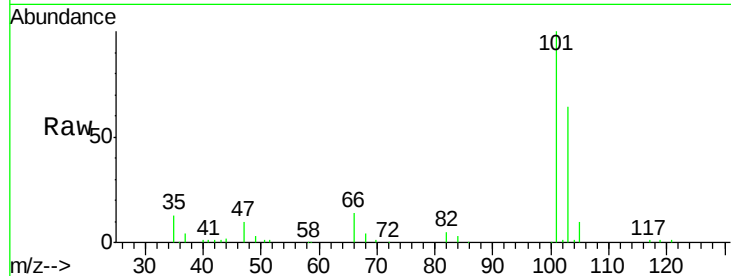
Trichlorofluoromethane
Concen: 19.345 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

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Tot Ion:101 Resp: 58231
Ion Ratio Lower Upper
101 100
103 64.2 49.1 73.7

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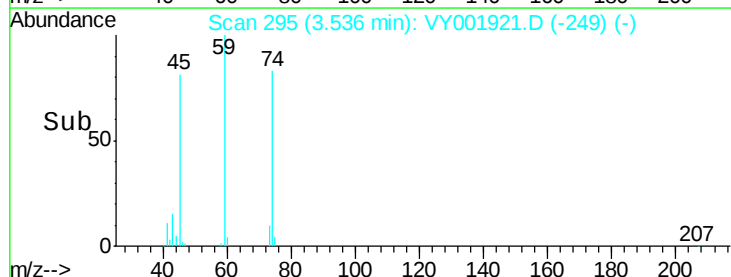
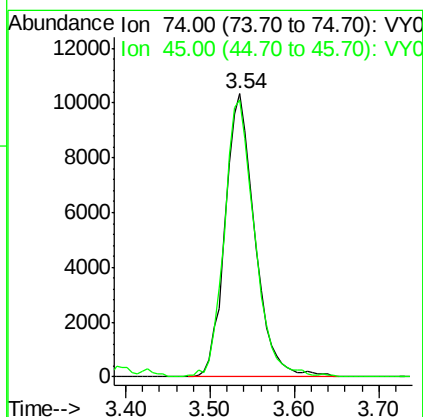
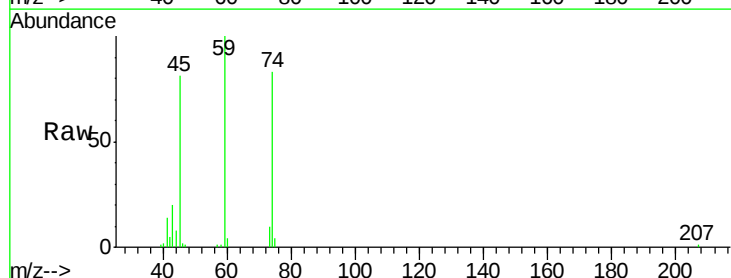
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#8

Diethyl Ether
Concen: 20.911 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion: 74 Resp: 24808
Ion Ratio Lower Upper
74 100
45 100.0 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.978 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

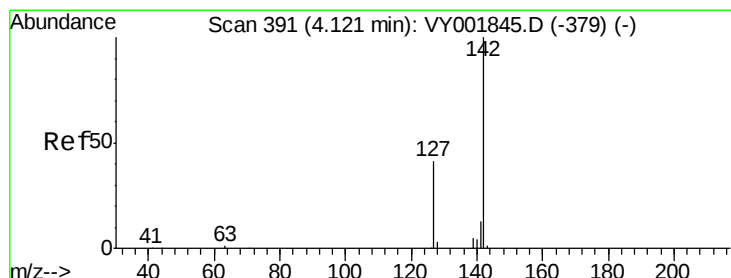
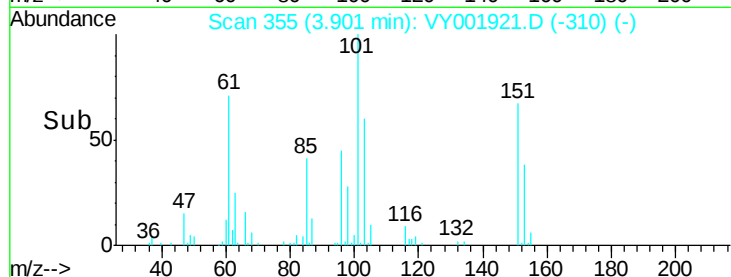
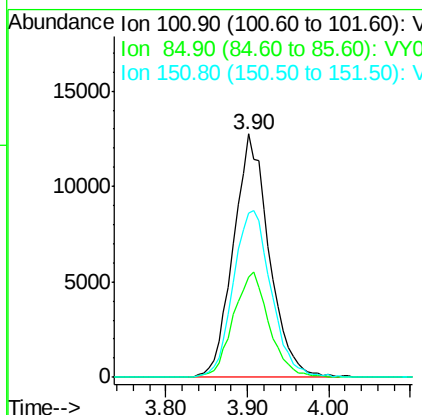
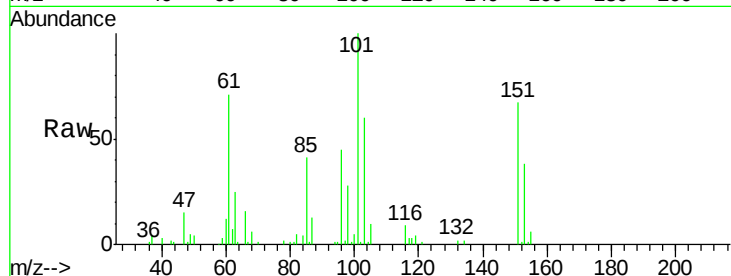
ClientSampleId :

VY0310SBS01

Tot Ion:	101	Resp:	38679
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.3	52.9
151	72.8	57.0	85.4

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#10

Methyl Iodide

Concen: 18.977 ug/l

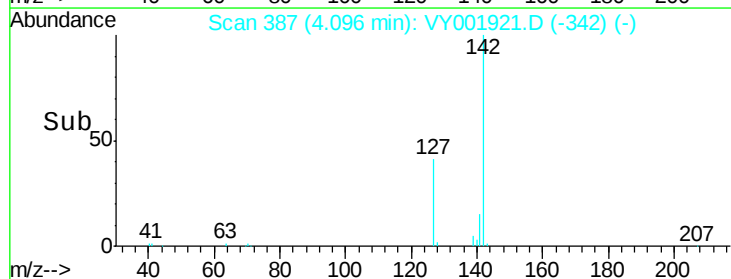
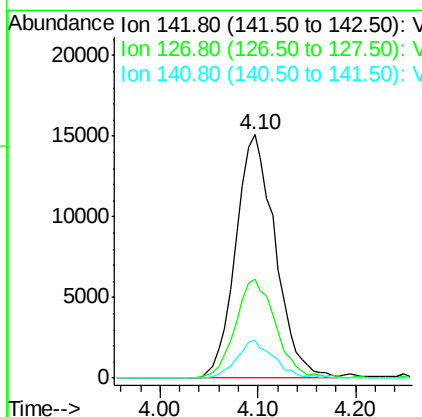
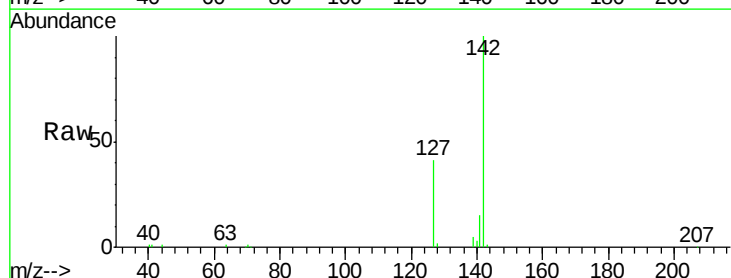
RT: 4.10 min Scan# 387

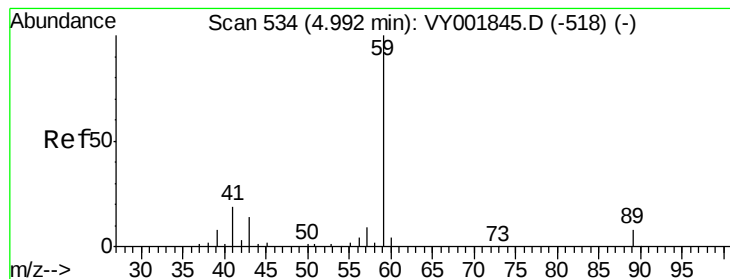
Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Tgt Ion:	142	Resp:	42489
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.6	11.0	16.6





#11

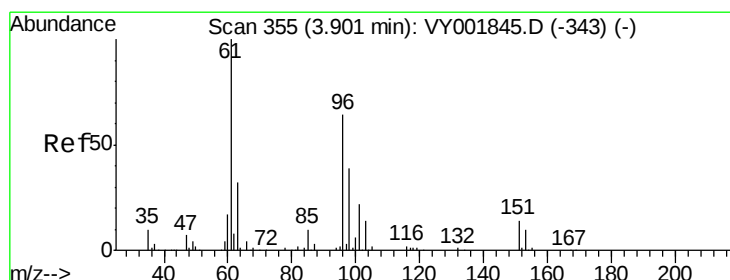
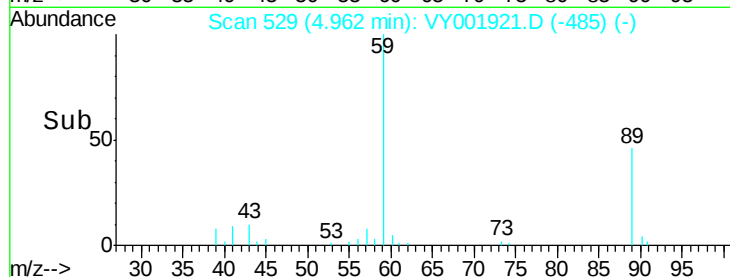
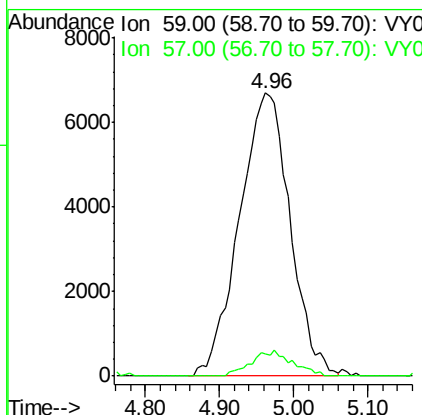
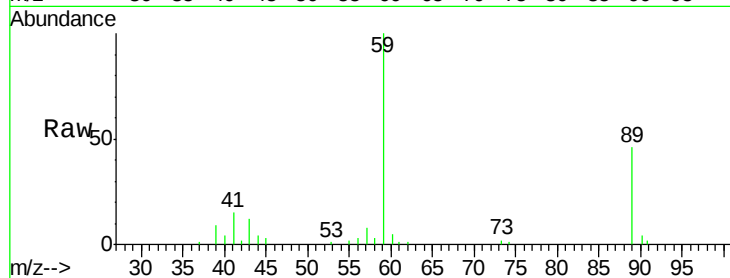
Tert butyl alcohol
 Concen: 154.709 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

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

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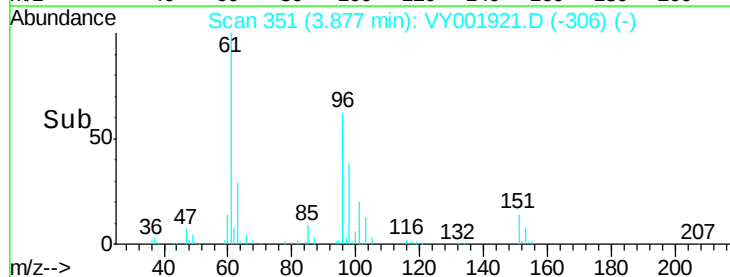
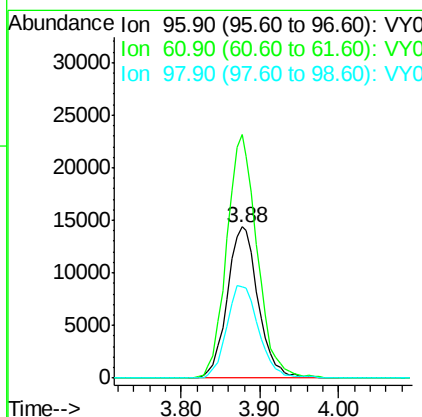
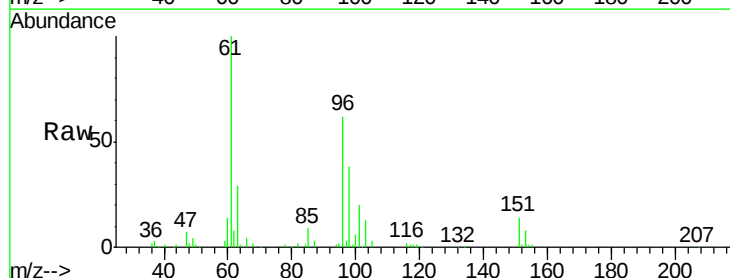
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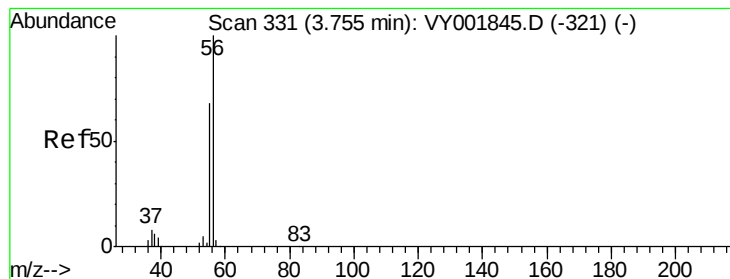


#12

1,1-Dichloroethene
 Concen: 20.034 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	124.8	187.2
98	60.7	49.2	73.8





#13

Acrolein

Concen: 99.440 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 56 Resp: 26156

Ion Ratio Lower Upper

56 100

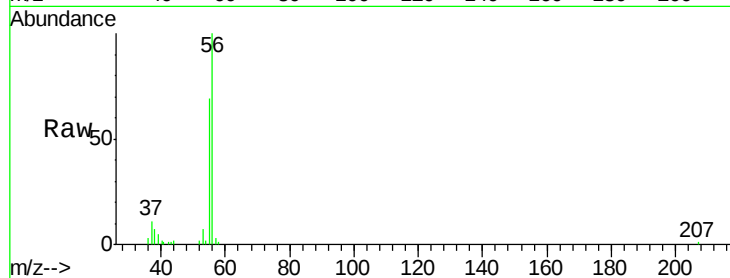
55 71.0 54.0 81.0

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

12000

10000

8000

6000

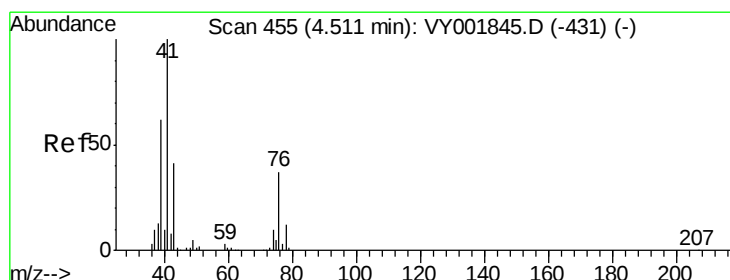
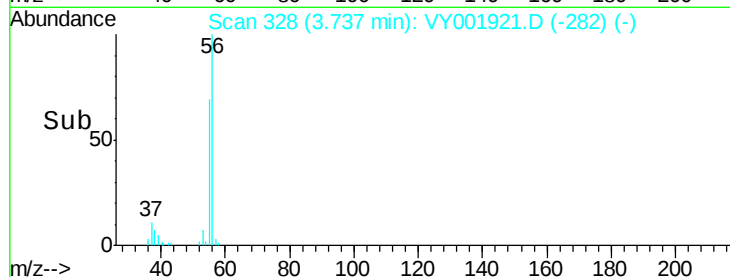
4000

2000

0

3.70 3.74 3.80

Time-->



#14

Allyl chloride

Concen: 20.577 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

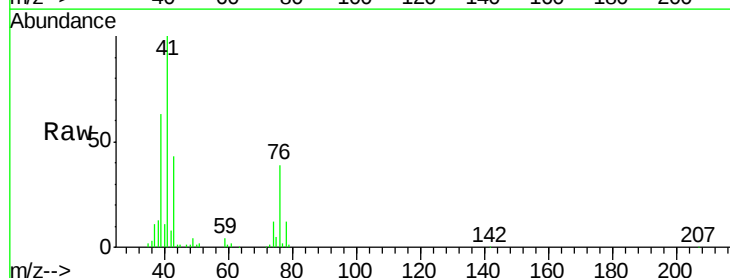
Tgt Ion: 41 Resp: 71111

Ion Ratio Lower Upper

41 100

39 61.0 49.0 73.6

76 35.5 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

30000

25000

20000

15000

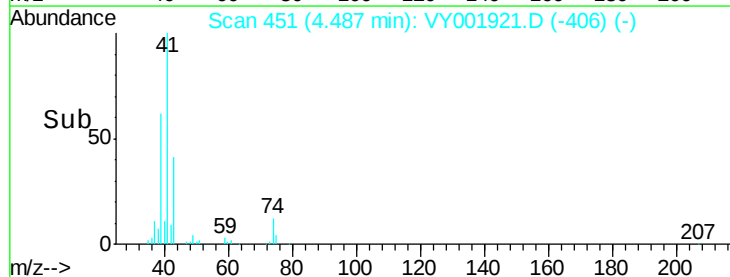
10000

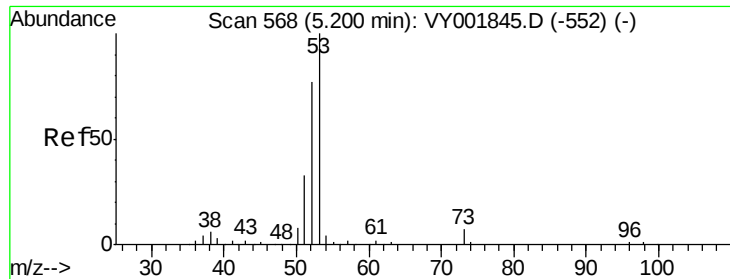
5000

0

4.30 4.40 4.49 4.60 4.70

Time-->





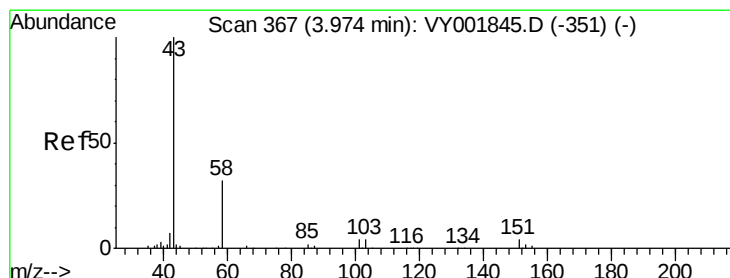
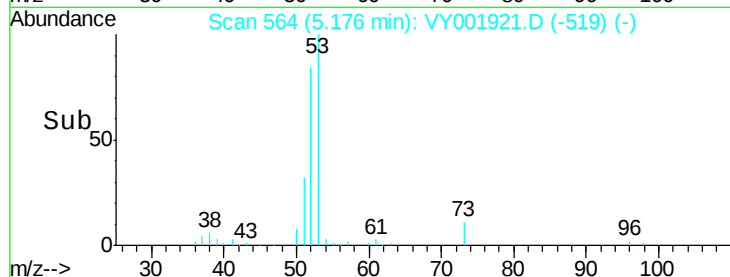
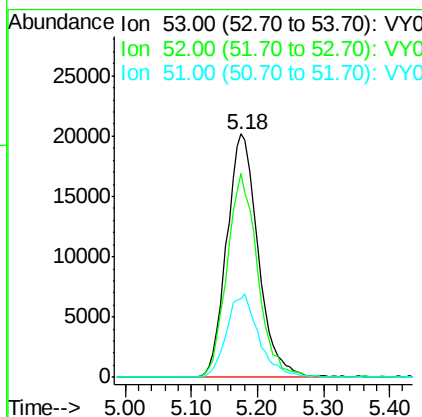
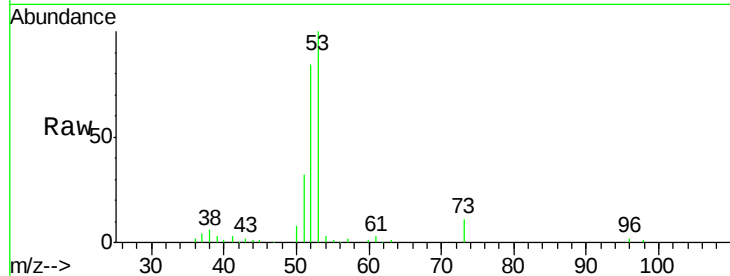
#15
 Acrylonitrile
 Concen: 104.712 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	35.2	27.5	41.3

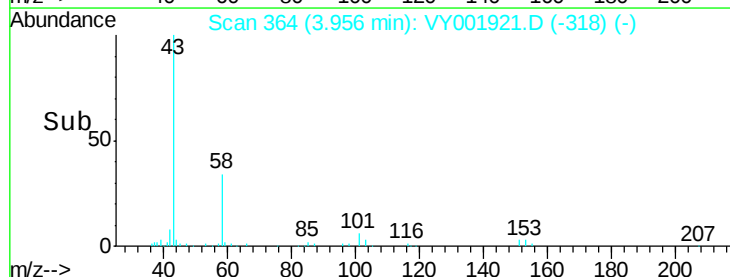
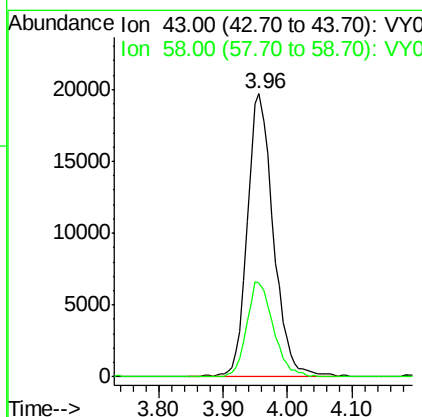
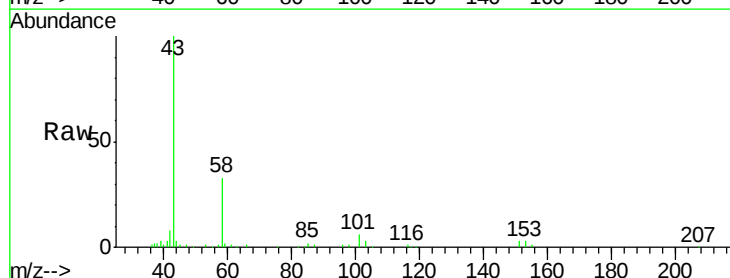
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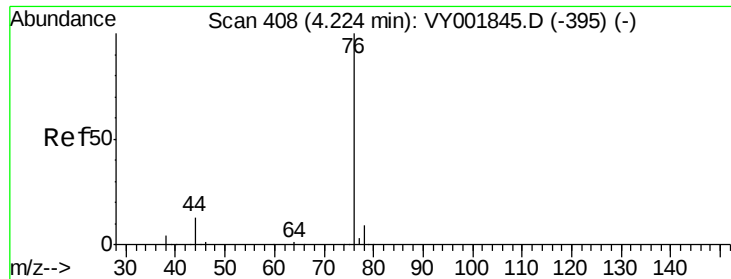
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#16
 Acetone
 Concen: 99.861 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.9	38.9





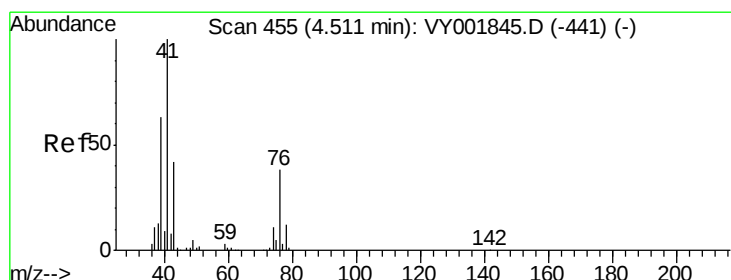
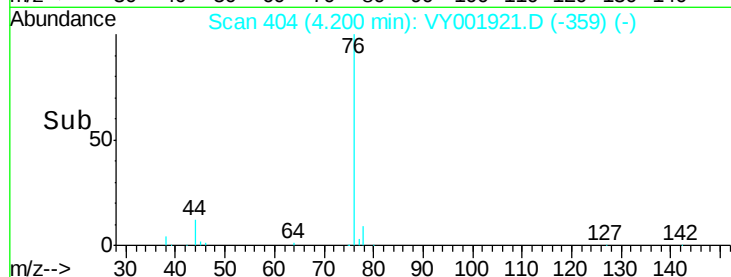
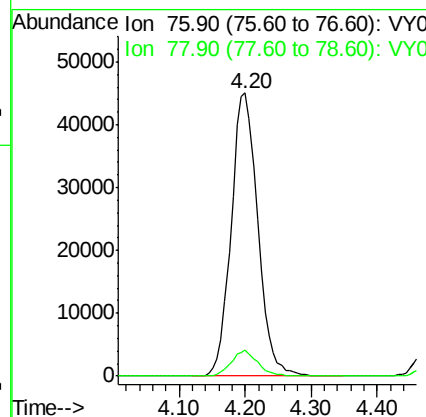
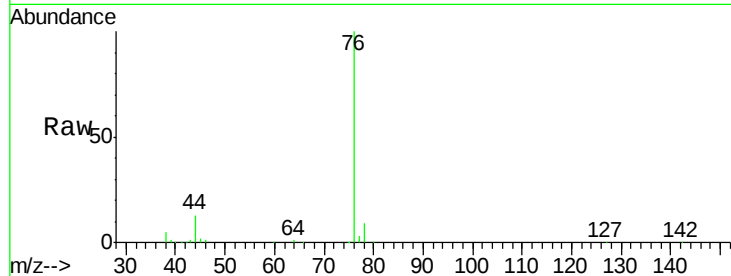
#17
Carbon Disulfide
Concen: 19.207 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

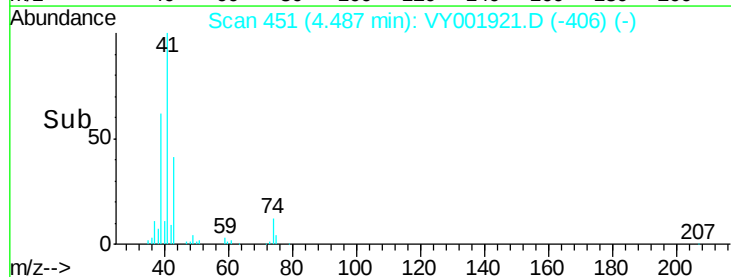
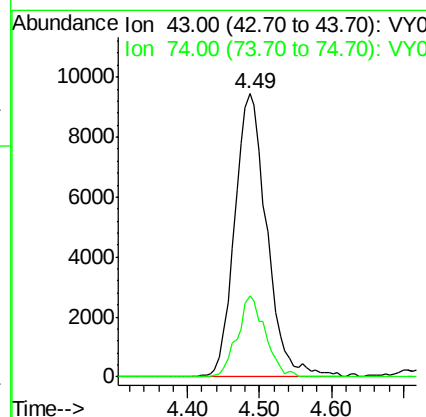
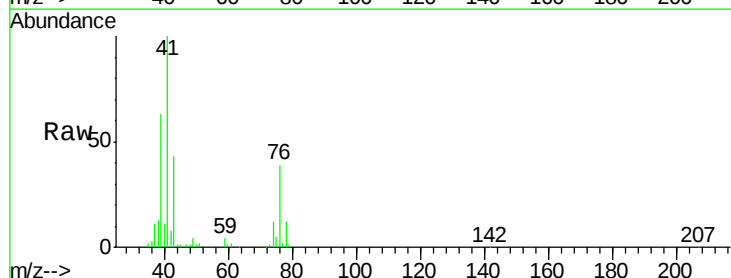
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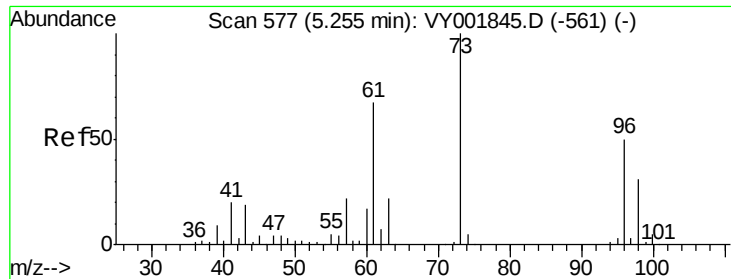
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#18
Methyl Acetate
Concen: 20.872 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.0	28.6





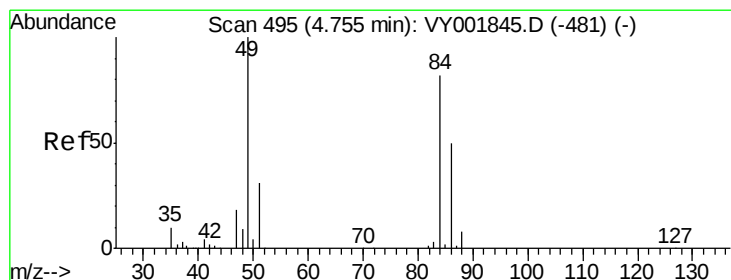
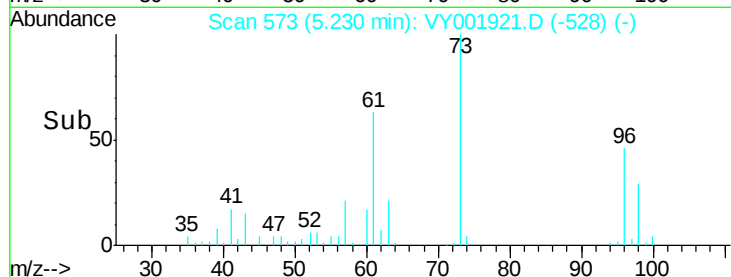
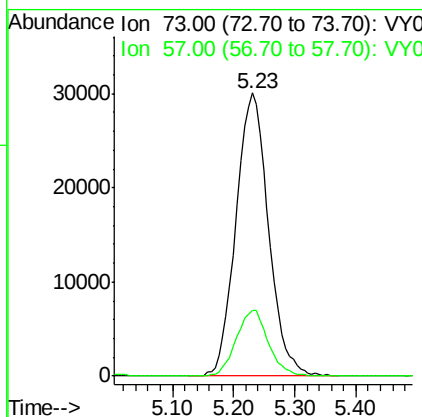
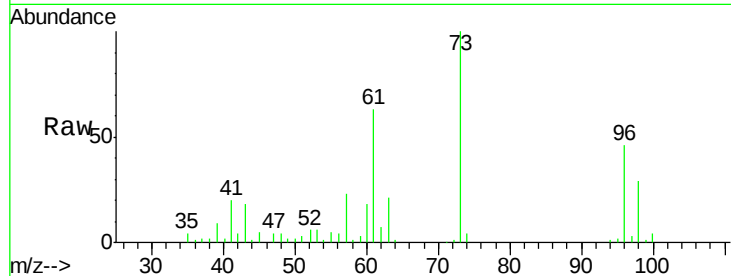
#19
Methvl tert-butvl Ether
Concen: 21.019 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 73 Resp: 111039
Ion Ratio Lower Upper
73 100
57 23.1 17.4 26.2

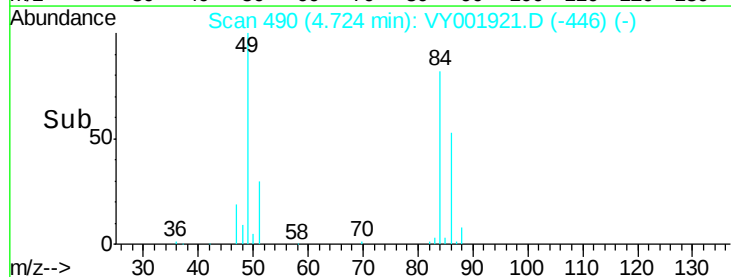
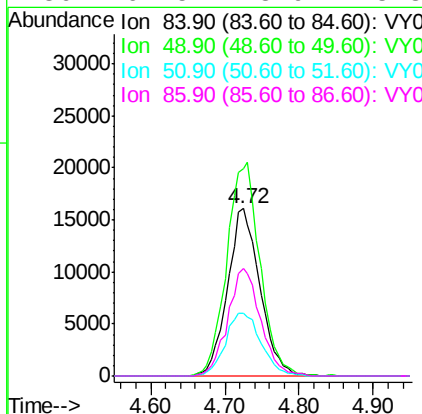
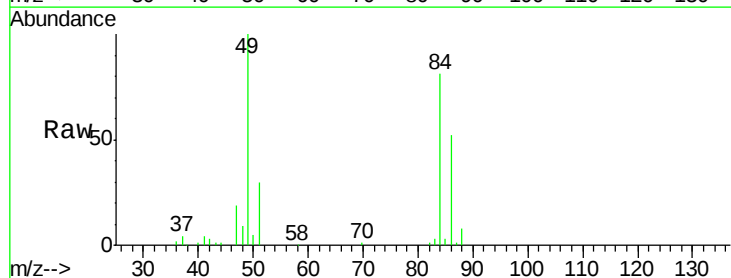
Manual Integrations
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#20
Methylene Chloride
Concen: 21.052 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion: 84 Resp: 49188
Ion Ratio Lower Upper
84 100
49 124.0 98.2 147.2
51 37.6 30.2 45.2
86 64.5 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.003 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.03 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

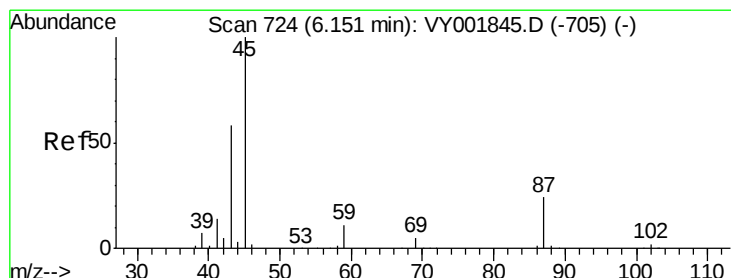
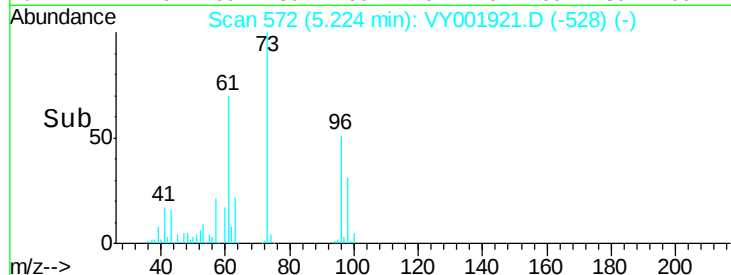
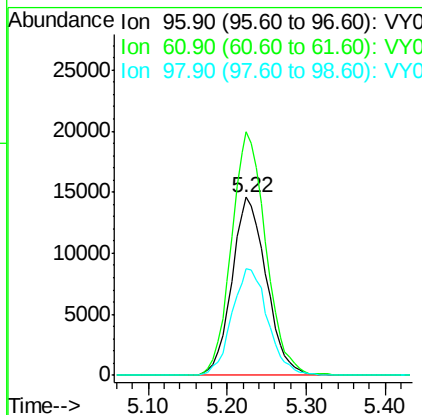
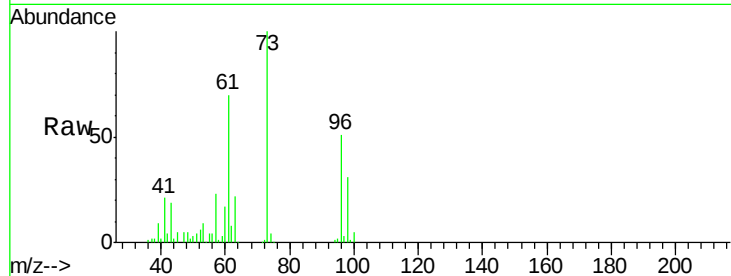
ClientSampleId :

VY0310SBS01

Tot Ion:	96	Resp:	44259
Ion	Ratio	Lower	Upper
96	100		
61	136.7	107.7	161.5
98	60.1	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.513 ug/l

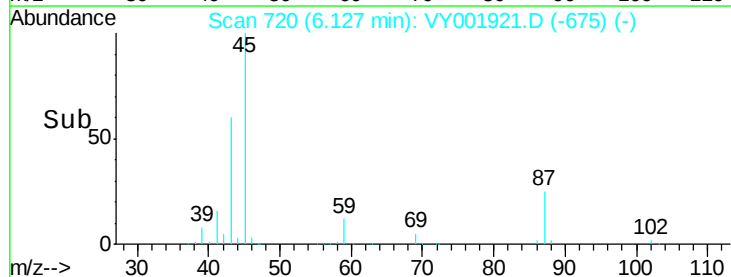
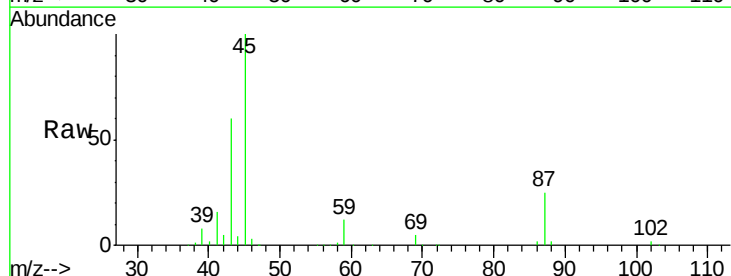
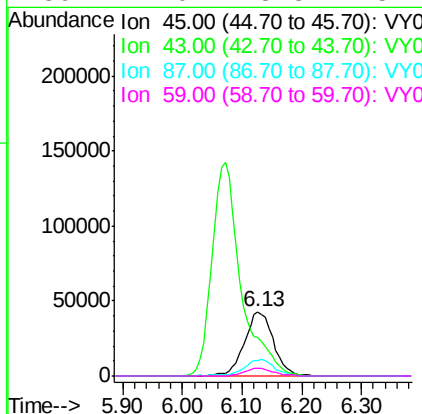
RT: 6.13 min Scan# 720

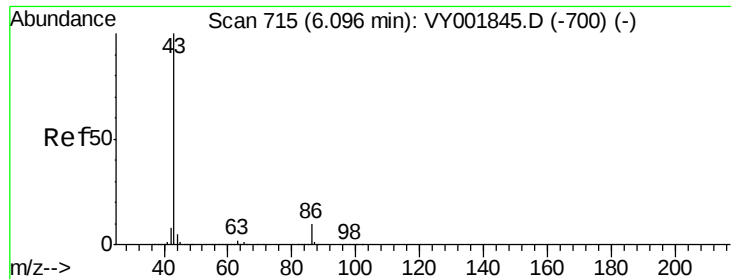
Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Tgt Ion:	45	Resp:	145313
Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.2	70.8
87	24.8	19.8	29.8
59	12.0	8.8	13.2





#23

Vinyl Acetate

Concen: 103.170 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 43 Resp: 479123

Ion Ratio Lower Upper

43 100

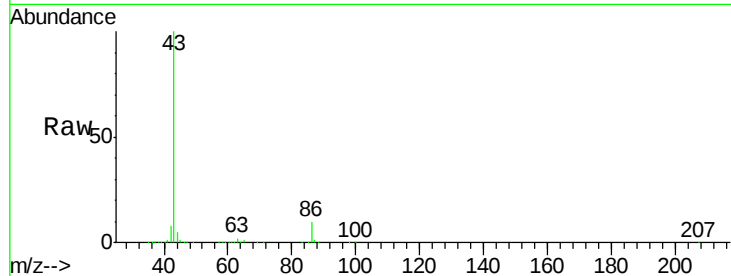
86 9.9 7.8 11.8

Manual Integrations

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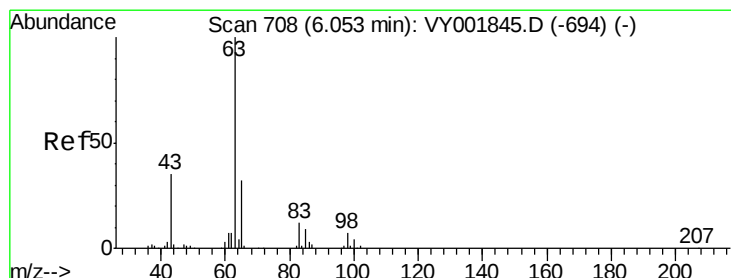
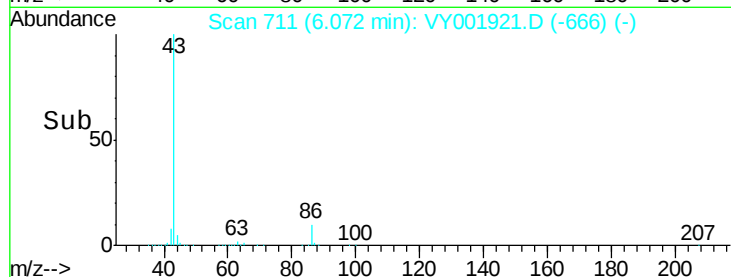
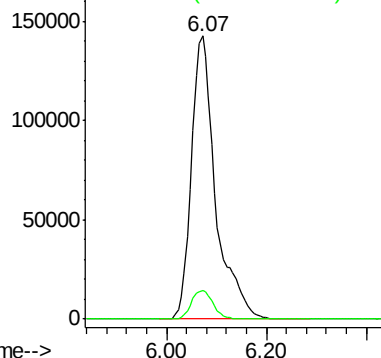
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

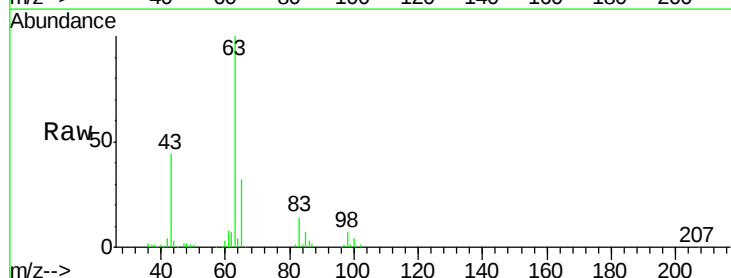
Tgt Ion: 63 Resp: 77550

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

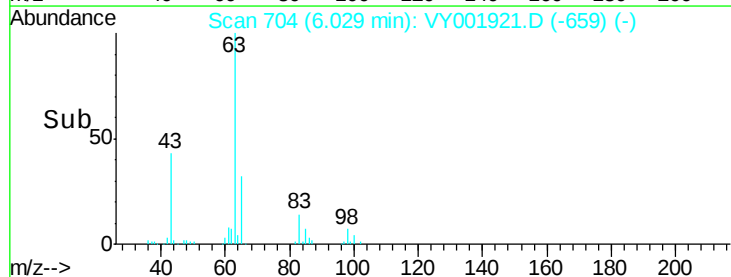
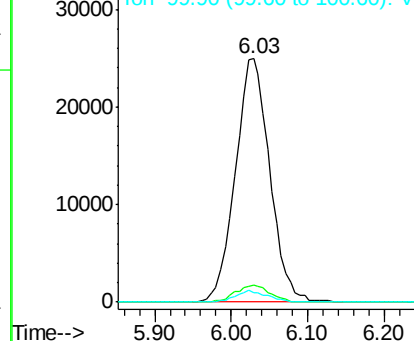
100 3.8 2.0 6.0

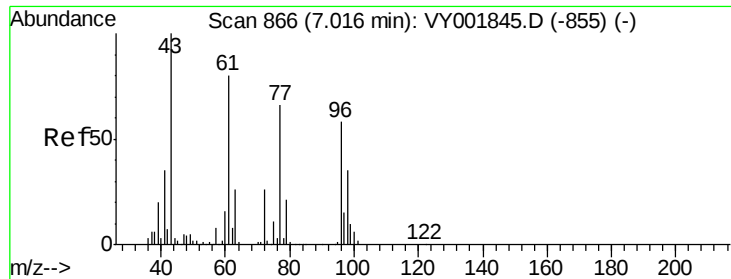


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 105.805 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 43 Resp: 87720

Ion Ratio Lower Upper

43 100

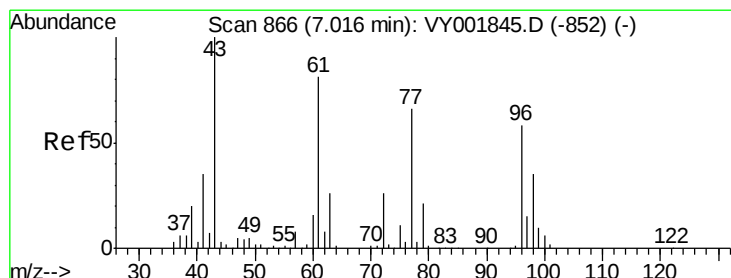
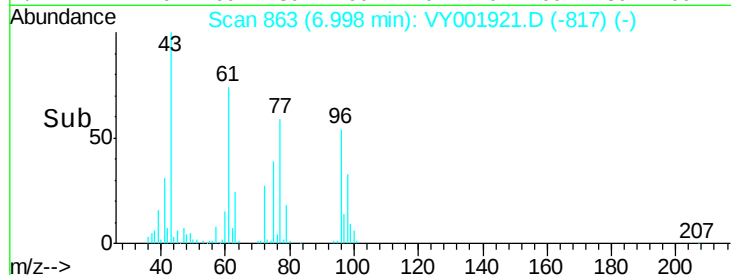
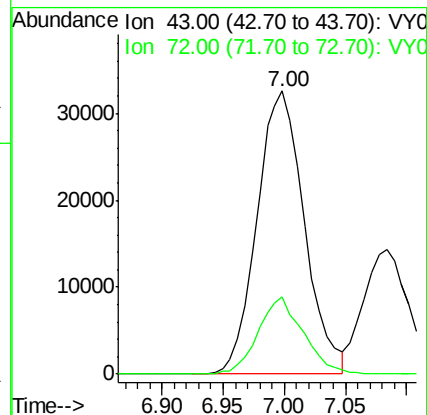
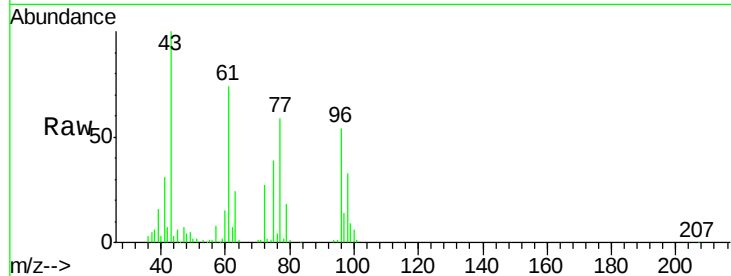
72 27.2 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.390 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001921.D

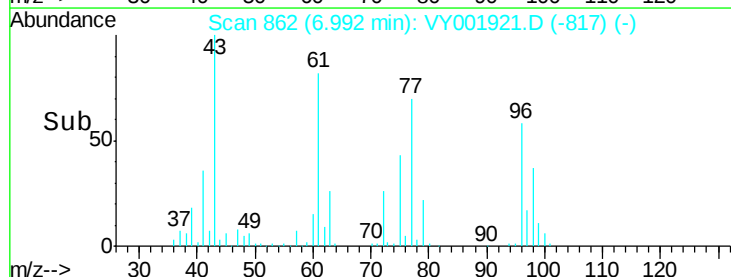
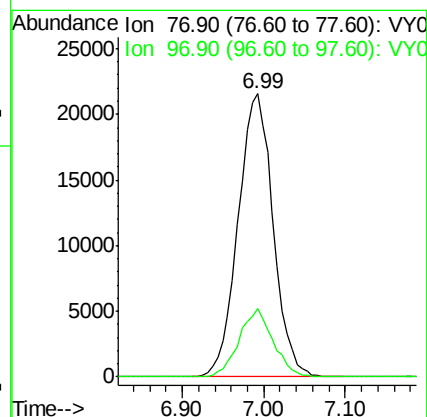
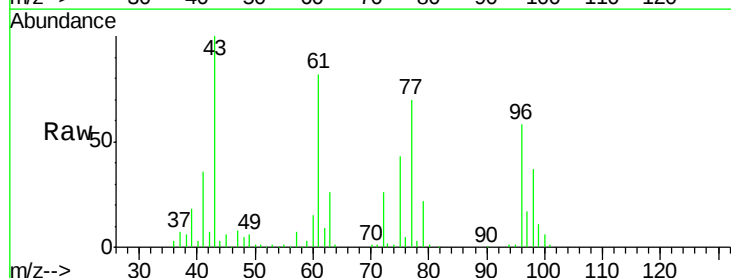
Acq: 10 Mar 2020 14:06

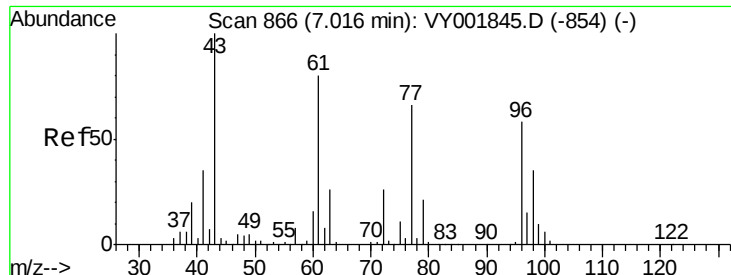
Tgt Ion: 77 Resp: 64199

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.7





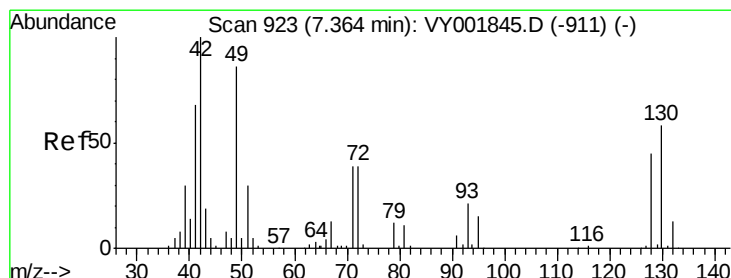
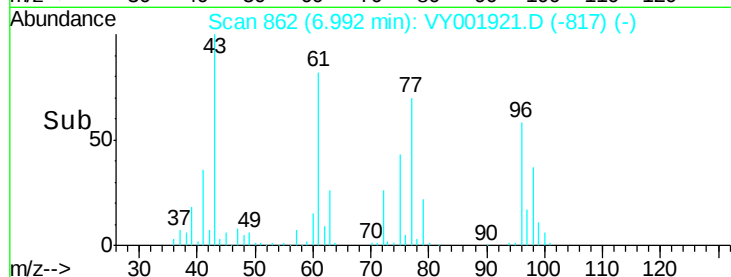
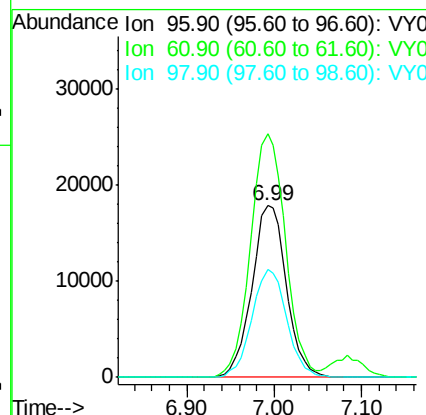
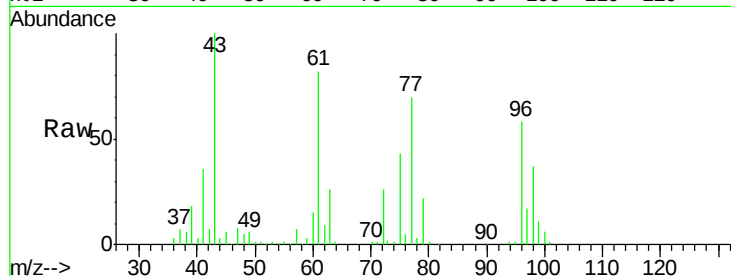
#27
 cis-1,2-Dichloroethene
 Concen: 20.415 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	288.2
98	63.5	0.0	129.0

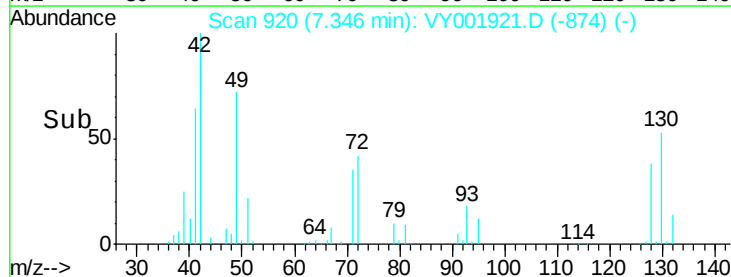
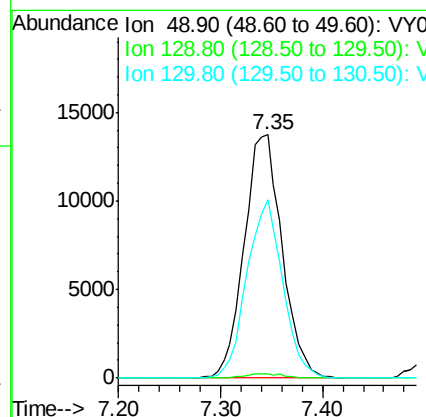
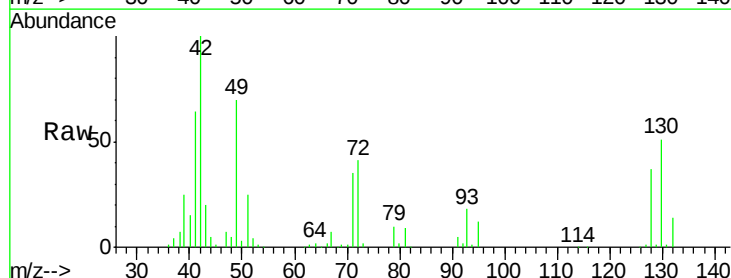
Manual Integrations
 APPROVED

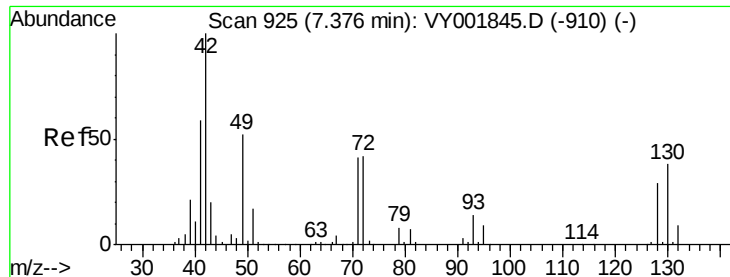
MMDadoda
 3/11/2020 3:22:43 PM



#28
 Bromochloromethane
 Concen: 20.532 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.1	54.4	81.6





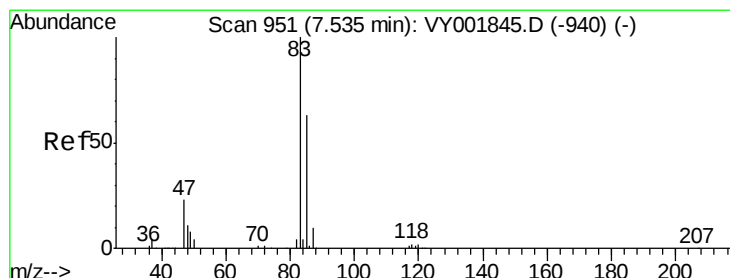
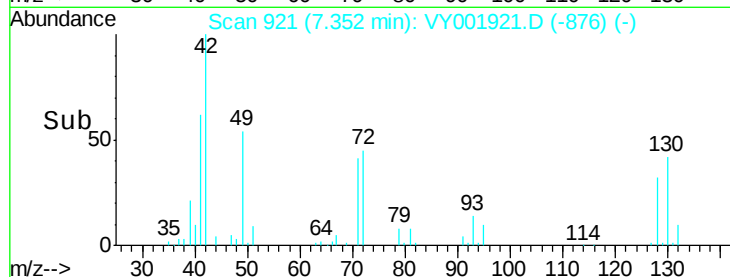
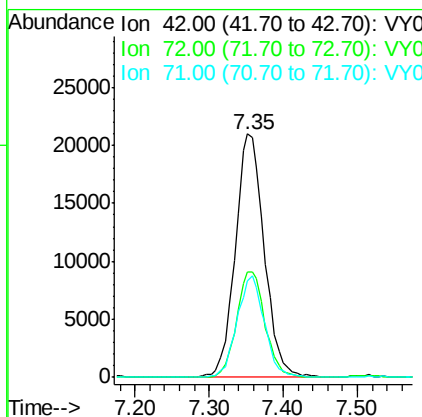
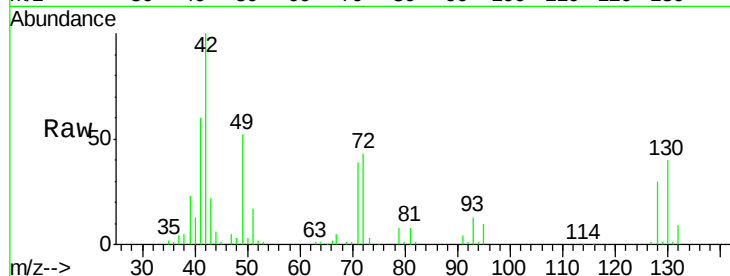
#29
Tetrahydrofuran
Concen: 103.634 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.5	50.3
71	39.5	31.3	46.9

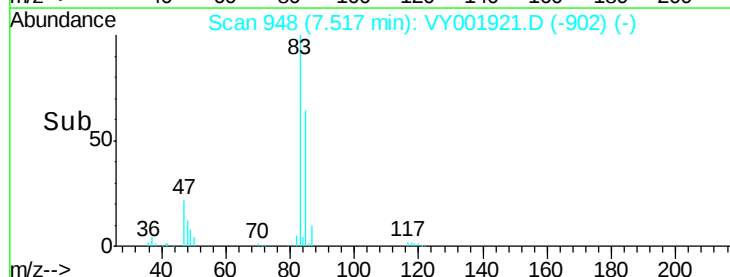
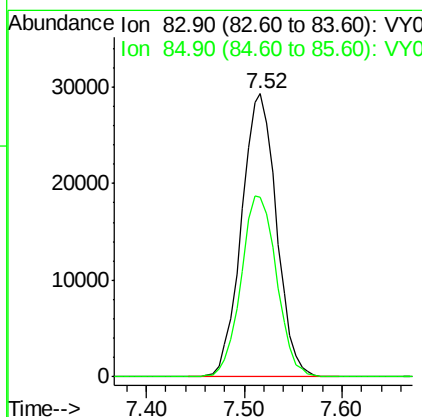
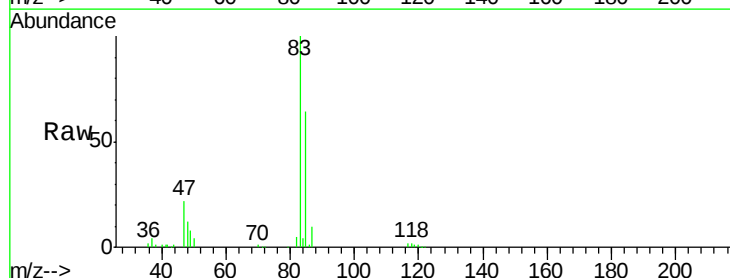
Manual Integrations
APPROVED

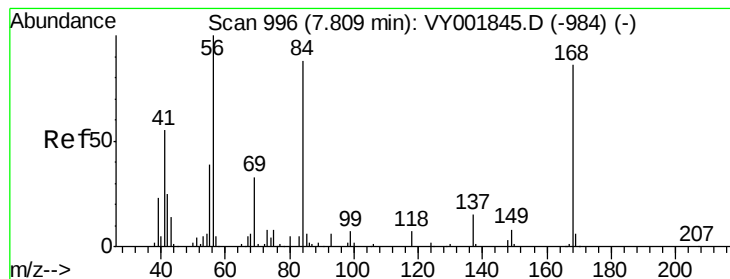
MMDadoda
3/11/2020 3:22:43 PM



#30
Chloroform
Concen: 20.129 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cvclohexane

Concen: 19.751 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBSD01

Tot Ion: 56 Resp: 81241

Ion Ratio Lower Upper

56 100

69 35.1 26.7 40.1

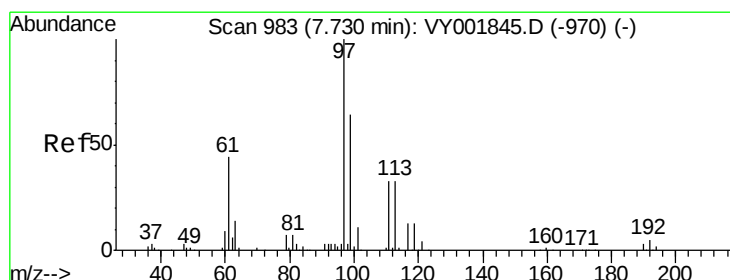
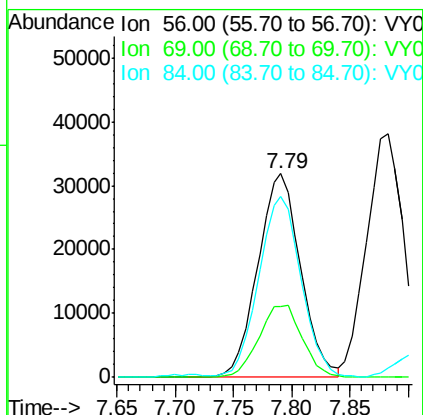
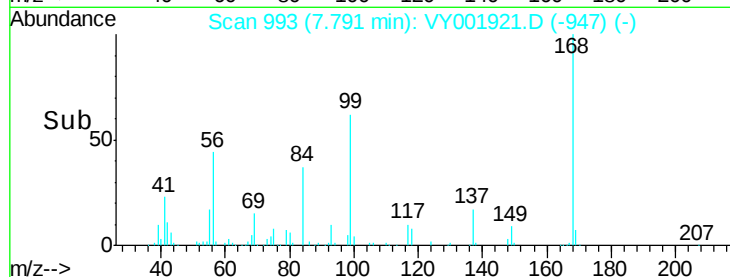
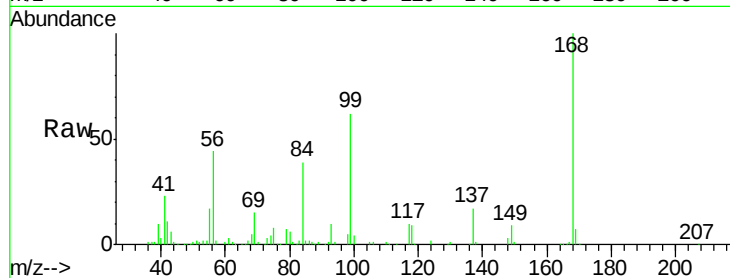
84 87.3 70.4 105.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.103 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

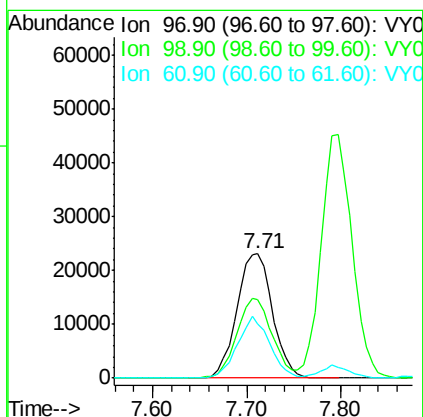
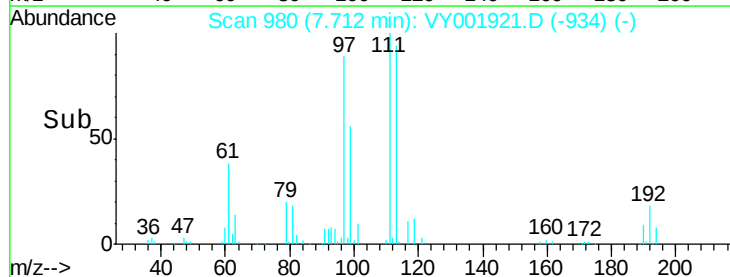
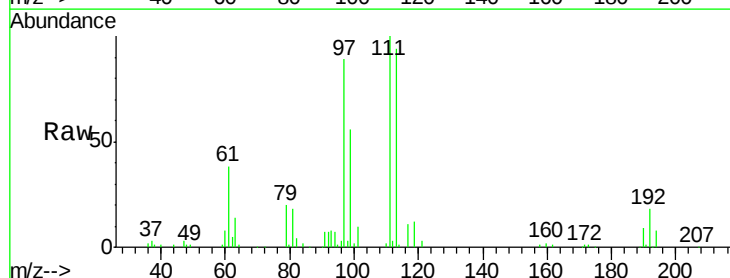
Tgt Ion: 97 Resp: 61068

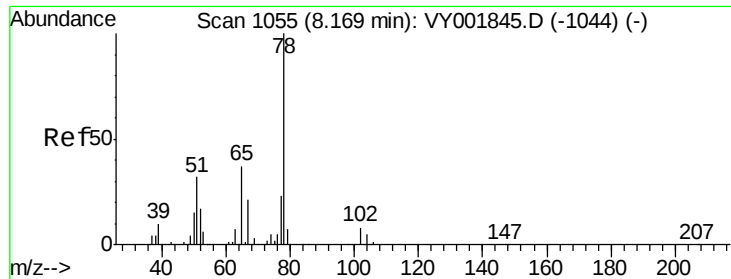
Ion Ratio Lower Upper

97 100

99 63.1 52.0 78.0

61 45.2 35.0 52.4





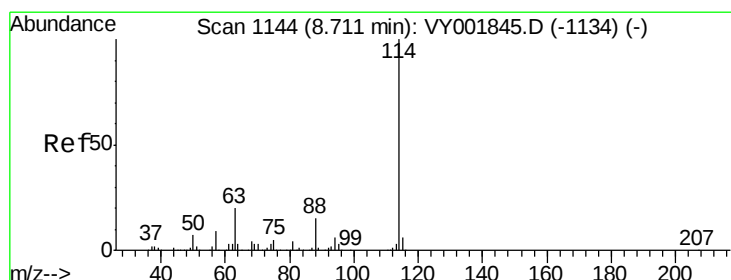
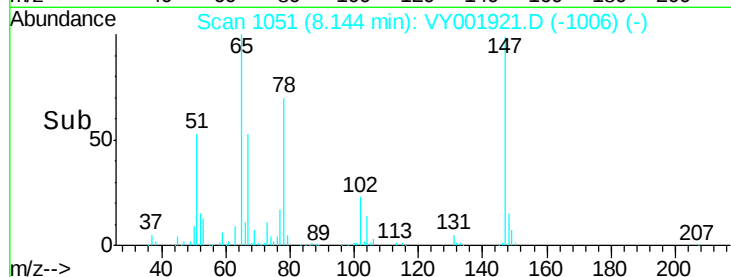
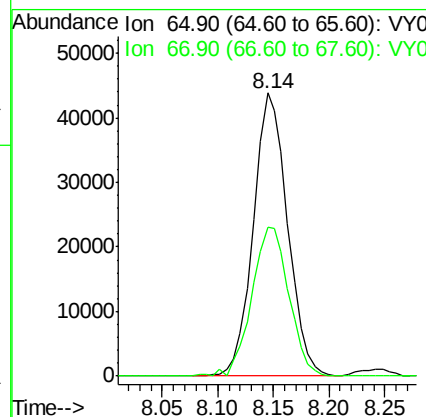
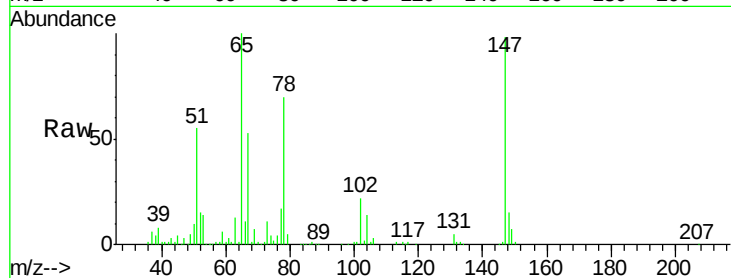
#33
 1,2-Dichloroethane-d4
 Concen: 50.118 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	57.1	0.0	110.8	

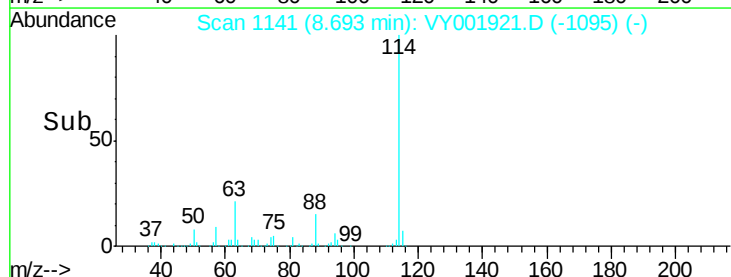
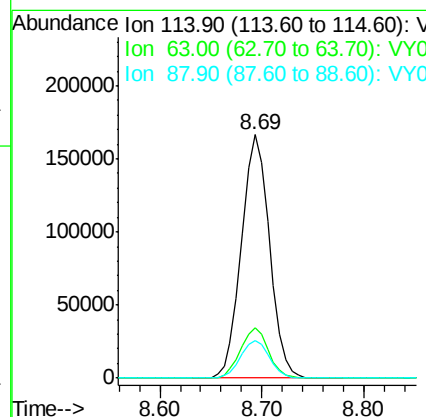
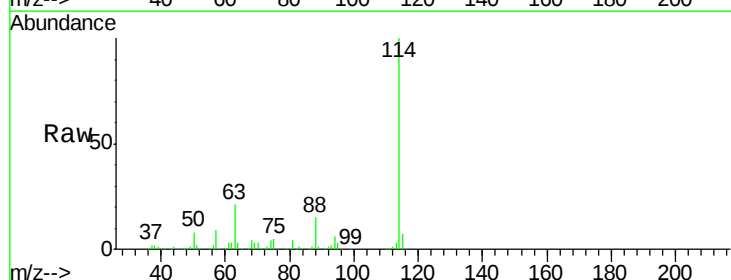
Manual Integrations
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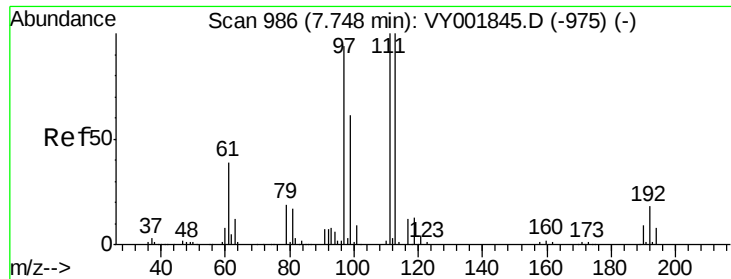
MMDadoda
 3/11/2020 3:22:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	39.4	
88	15.2	0.0	30.4	





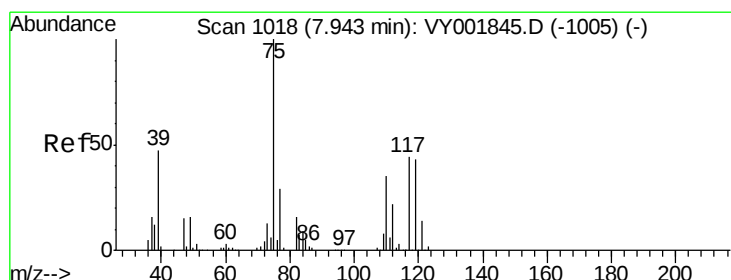
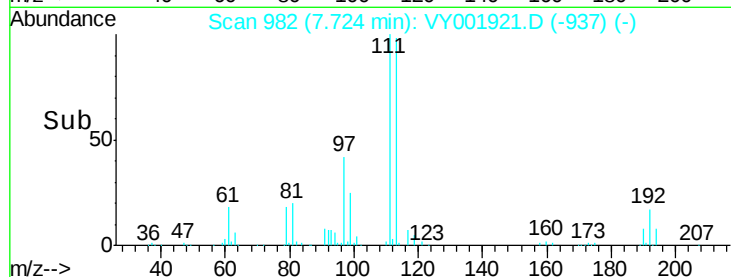
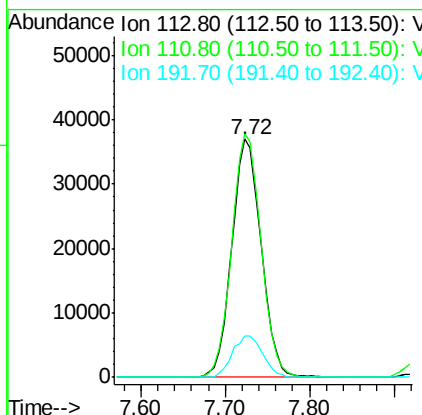
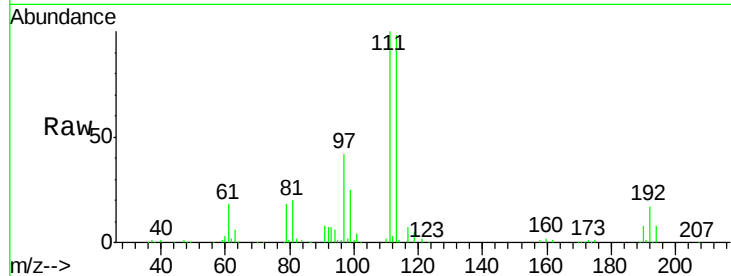
#35
 Dibromofluoromethane
 Concen: 50.151 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.8	122.8	
192	18.0	14.2	21.2	

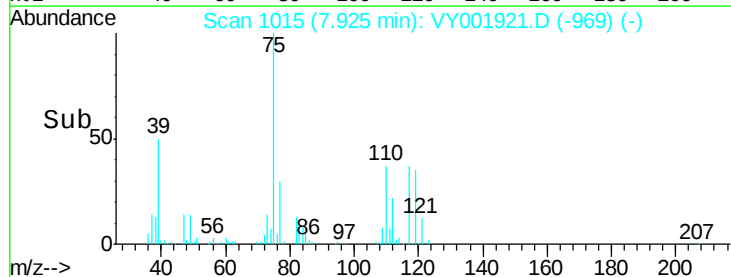
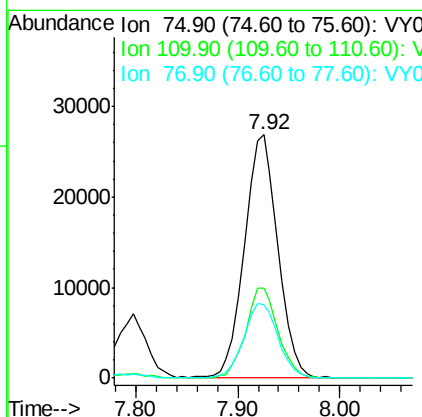
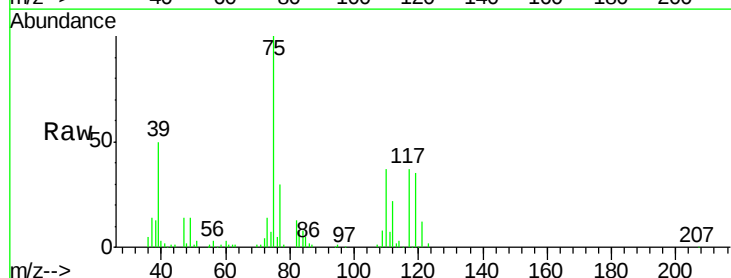
Manual Integrations
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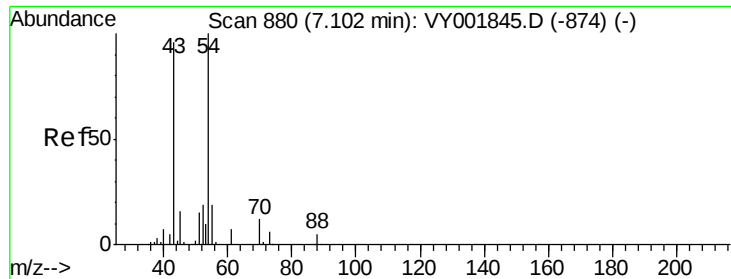
MMDadoda
 3/11/2020 3:22:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.087 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	17.4	52.2	
77	31.5	24.2	36.2	





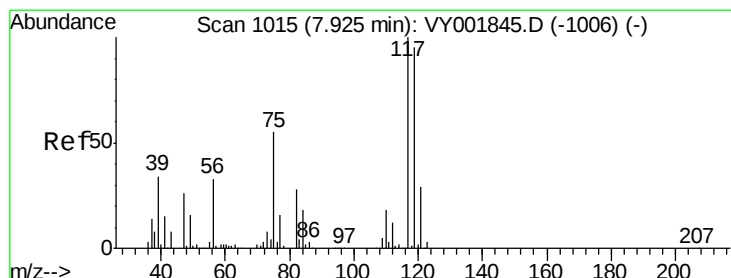
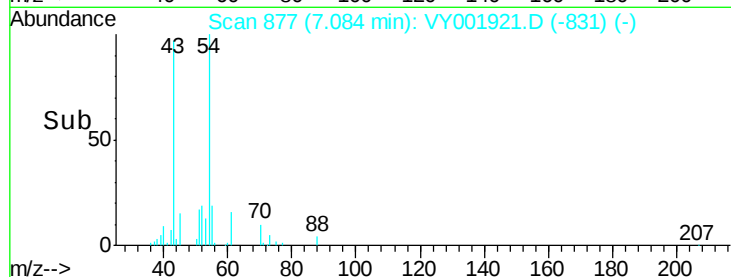
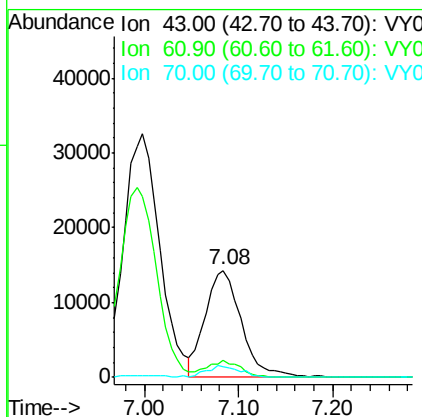
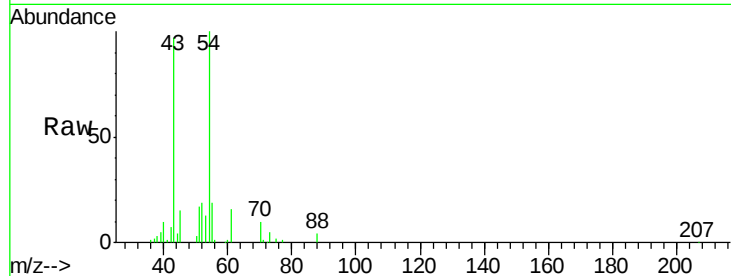
#37
Ethyl Acetate
Concen: 21.548 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.3	8.2	12.4

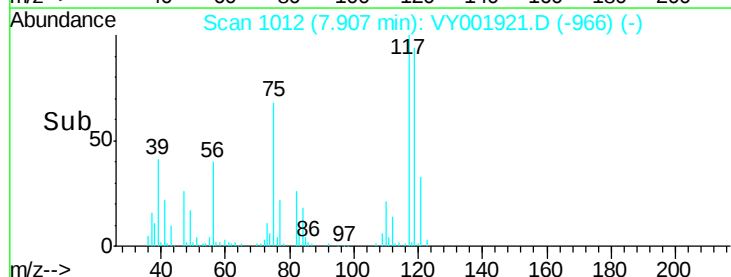
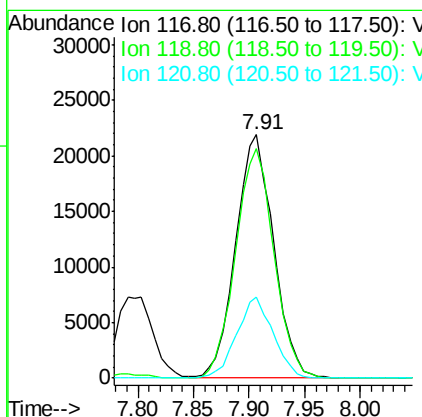
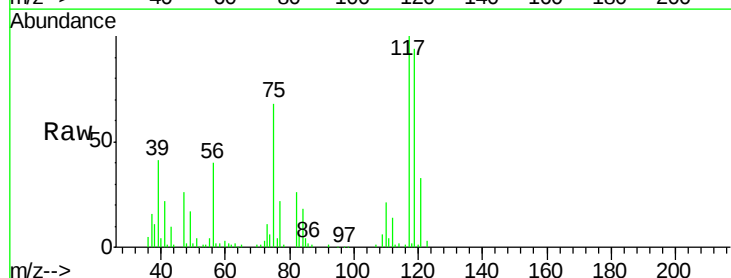
Manual Integrations
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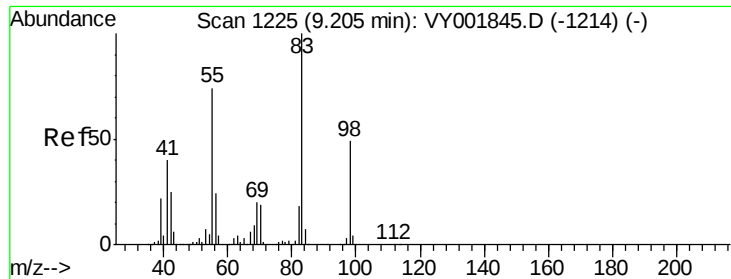
MMDadoda
3/11/2020 3:22:43 PM



#38
Carbon Tetrachloride
Concen: 19.929 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.3	114.5
121	33.2	23.5	35.3





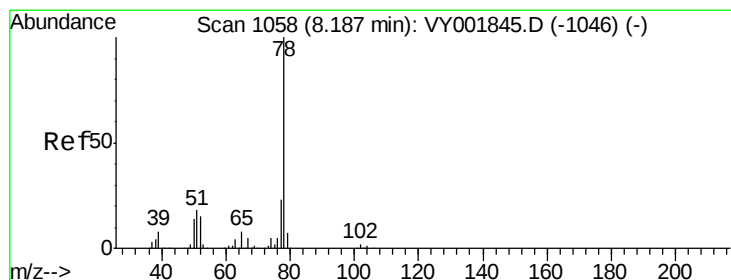
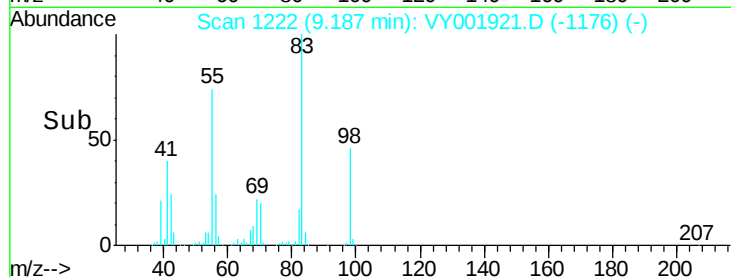
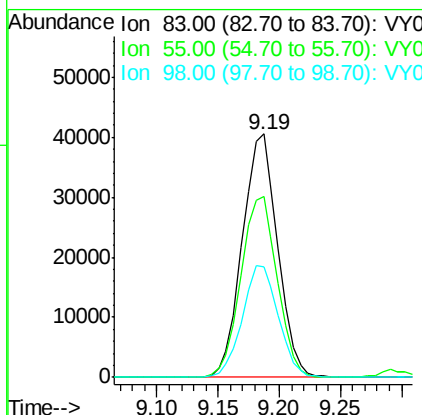
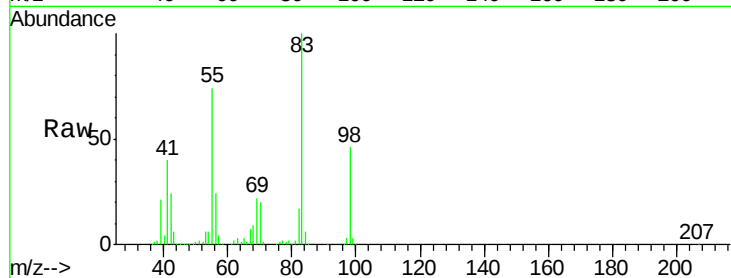
#39
Methvlcvclohexane
Concen: 20.135 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.4	89.0
98	45.6	38.9	58.3

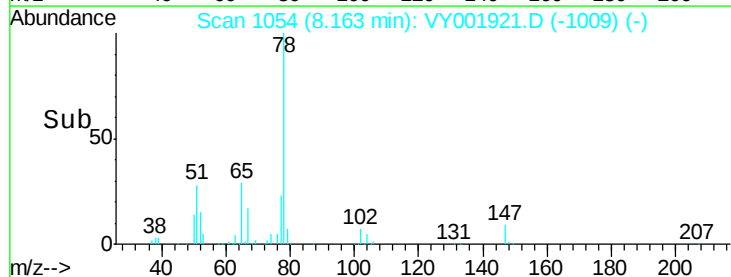
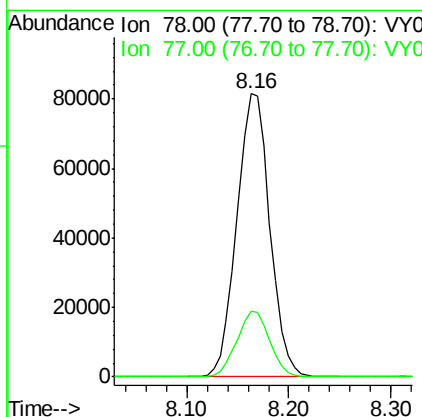
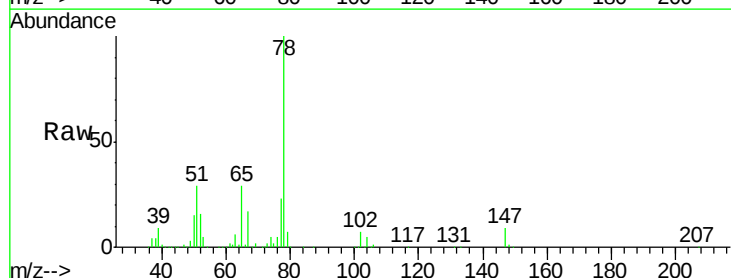
Manual Integrations
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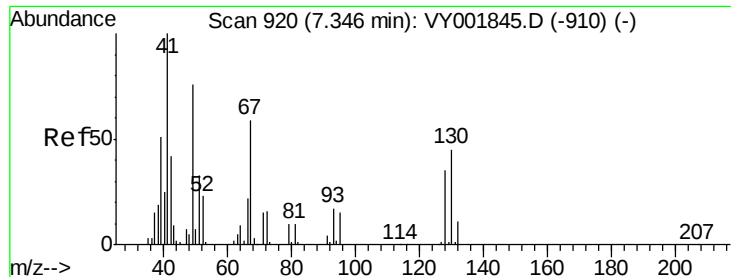
MMDadoda
3/11/2020 3:22:43 PM



#40
Benzene
Concen: 20.209 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





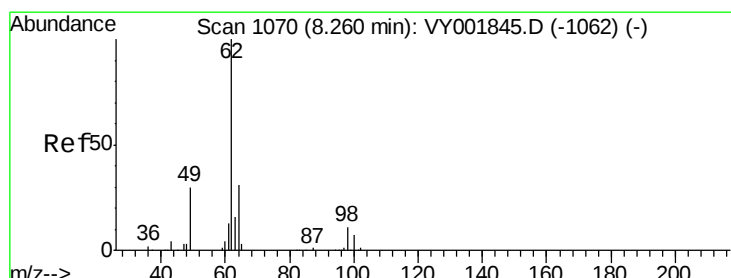
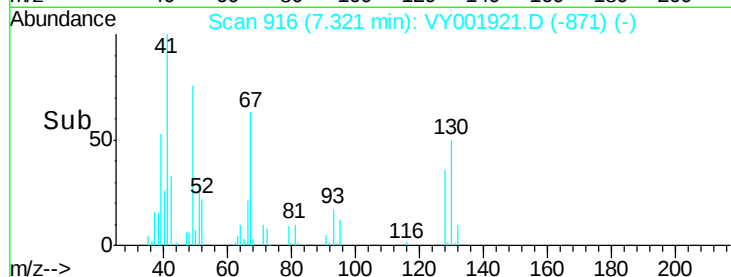
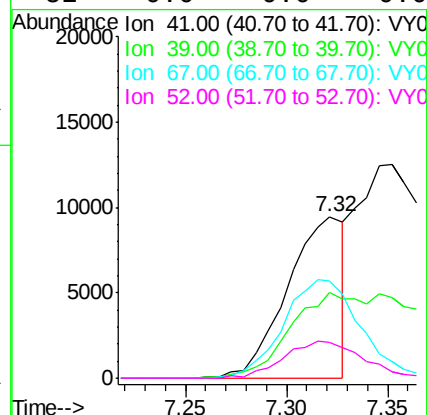
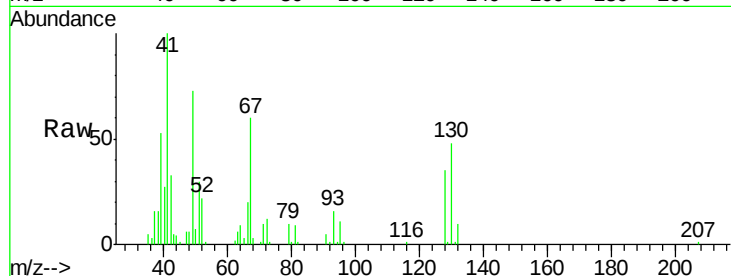
#41
Methacrylonitrile
Concen: 23.378 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBSD01

Tot 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

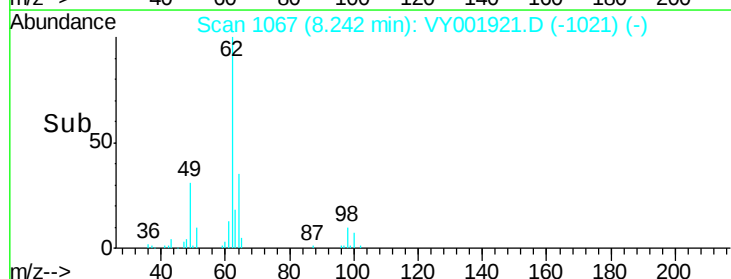
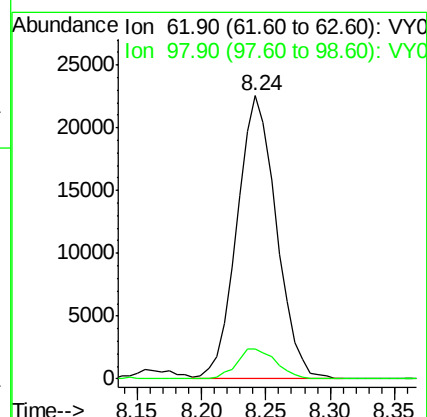
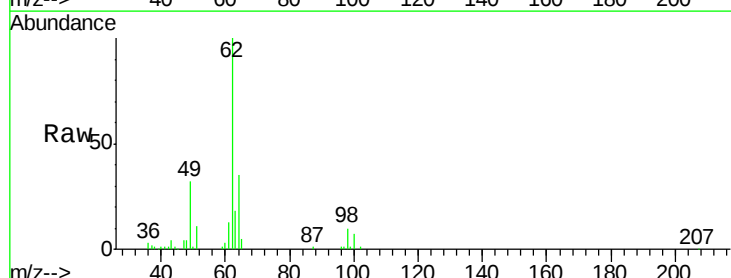
Manual Integrations
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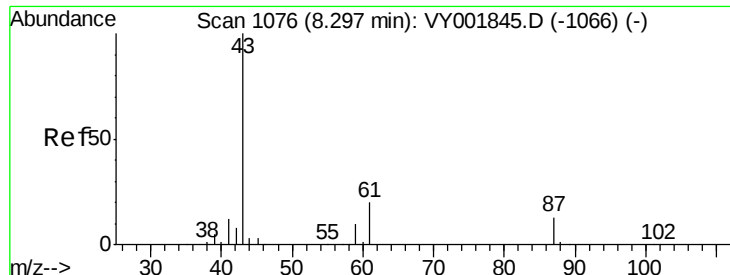
MMDadoda
3/11/2020 3:22:43 PM



#42
1,2-Dichloroethane
Concen: 20.511 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





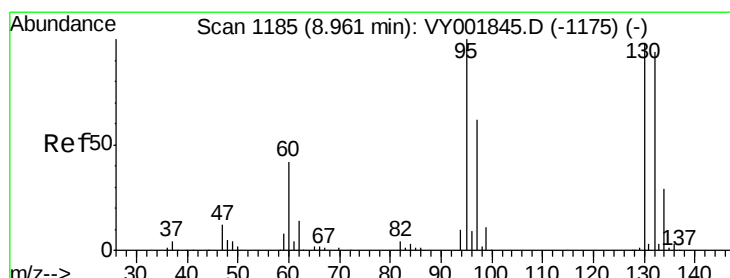
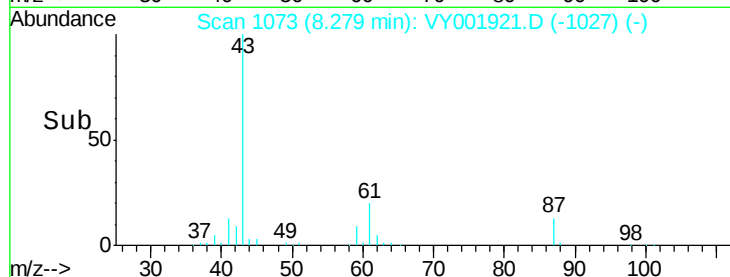
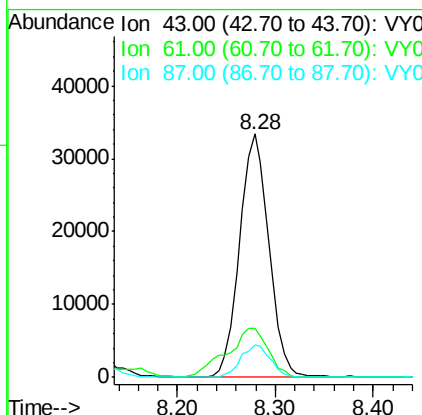
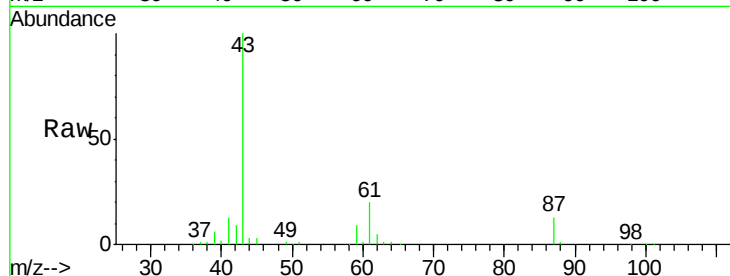
#43
Isopropyl Acetate
Concen: 20.740 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.8	35.6
87	13.3	10.9	16.3

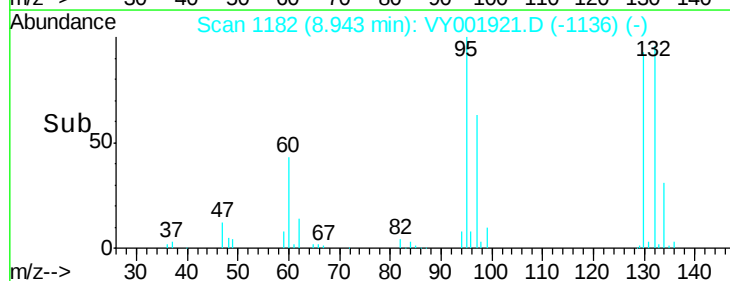
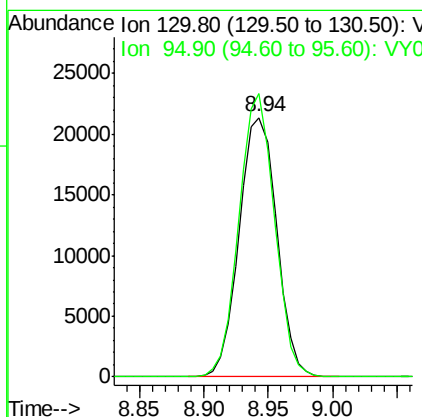
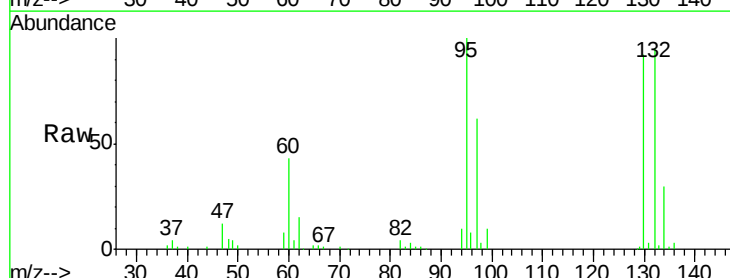
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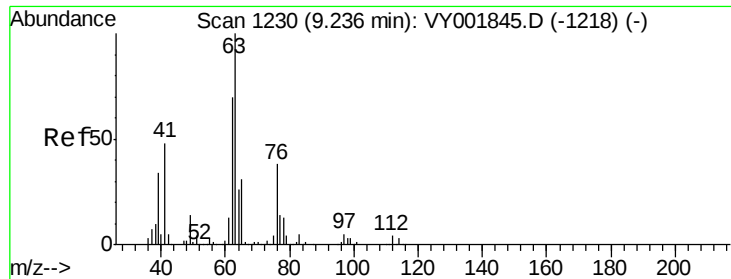
MMDadoda
3/11/2020 3:22:43 PM



#44
Trichloroethene
Concen: 19.561 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	204.6





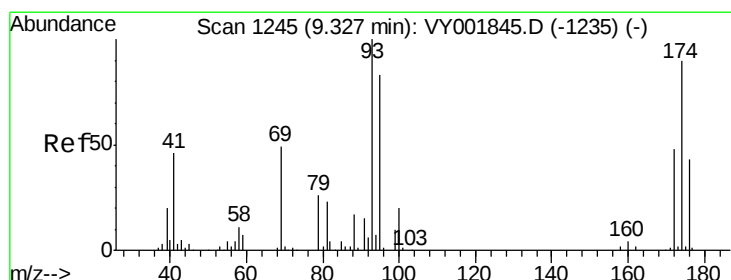
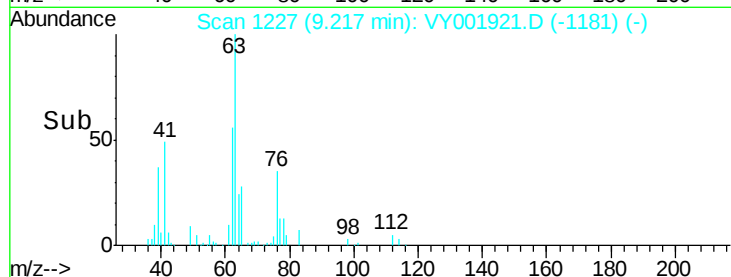
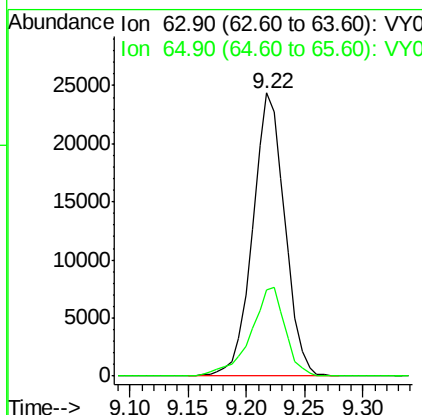
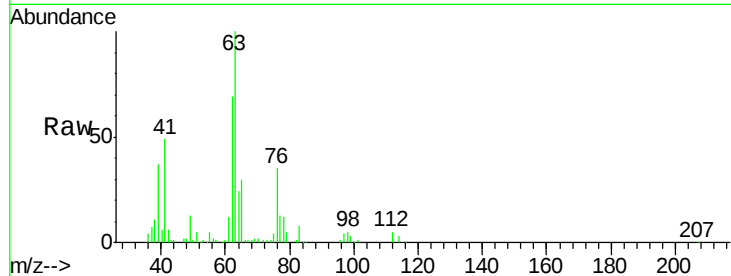
#45
 1,2-Dichloropropane
 Concen: 20.614 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3

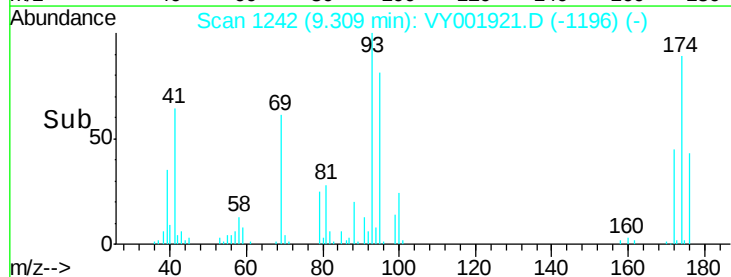
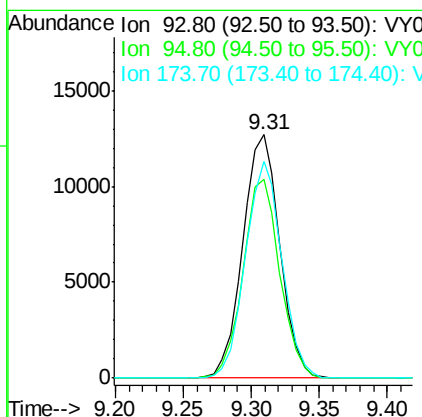
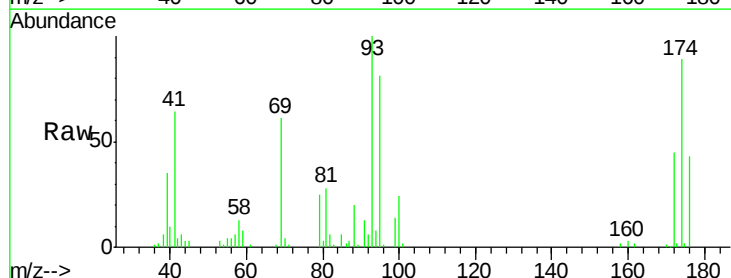
Manual Integrations
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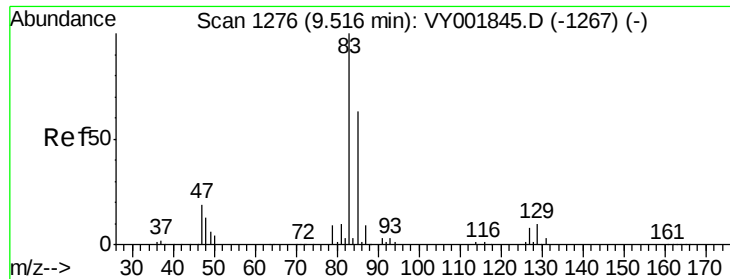
MMDadoda
 3/11/2020 3:22:43 PM



#46
 Dibromomethane
 Concen: 20.609 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	67.0	100.4
174	87.5	71.8	107.8





#47

Bromodichloromethane

Concen: 20.375 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

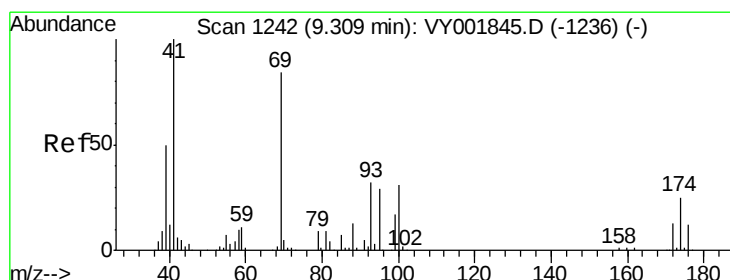
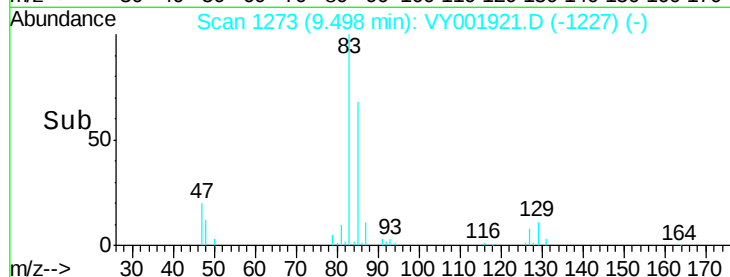
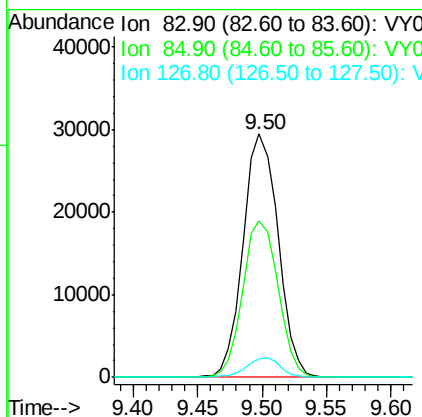
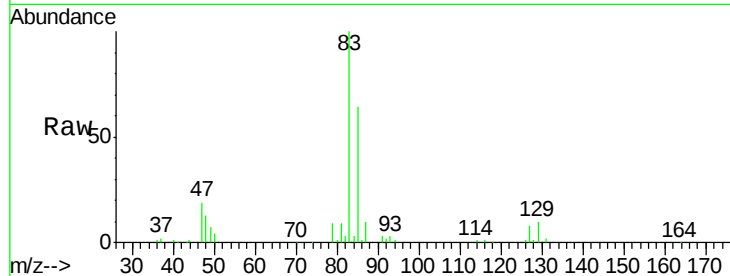
ClientSampleId :

VY0310SBS01

Tot Ion:	83	Resp:	55570
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.6	76.0
127	7.8	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.354 ug/l

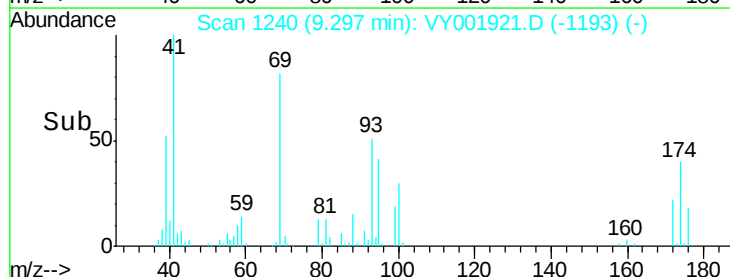
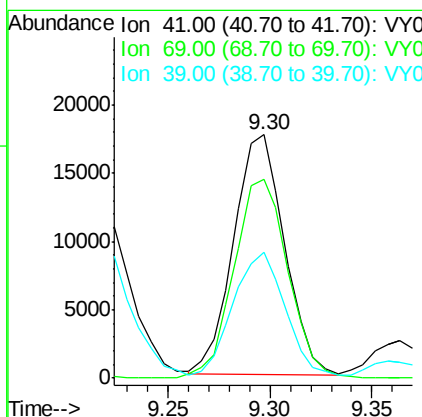
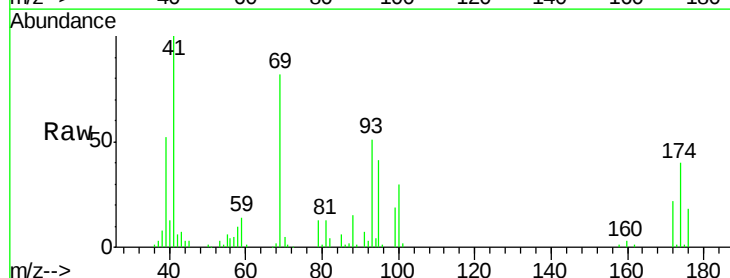
RT: 9.30 min Scan# 1240

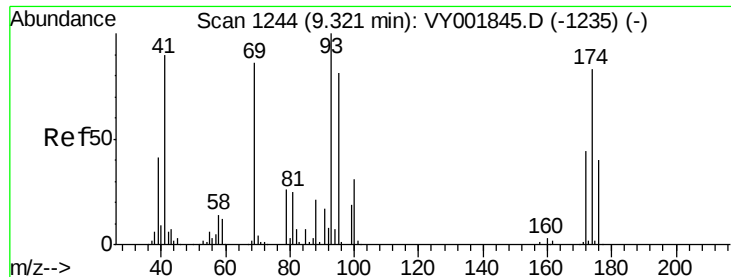
Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Tgt Ion:	41	Resp:	30346
Ion Ratio	Lower	Upper	
41	100		
69	88.0	69.0	103.6
39	55.0	39.1	58.7





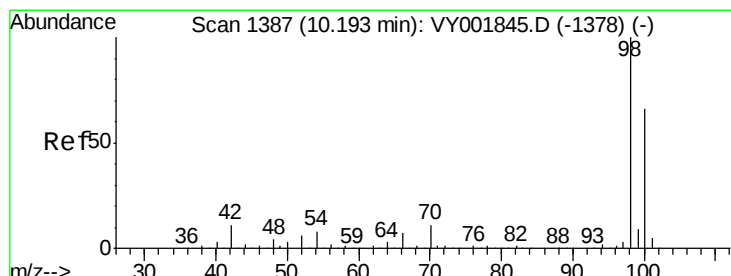
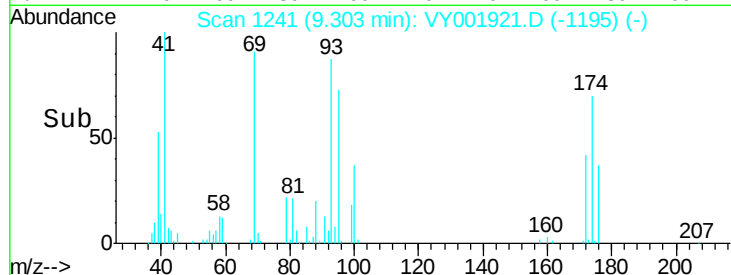
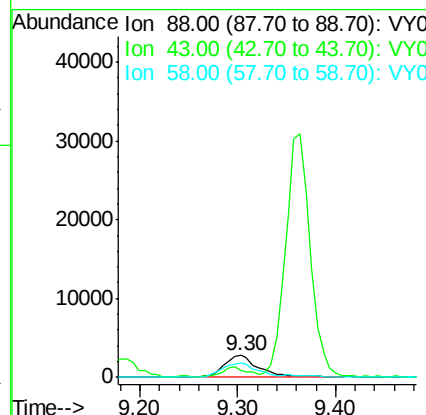
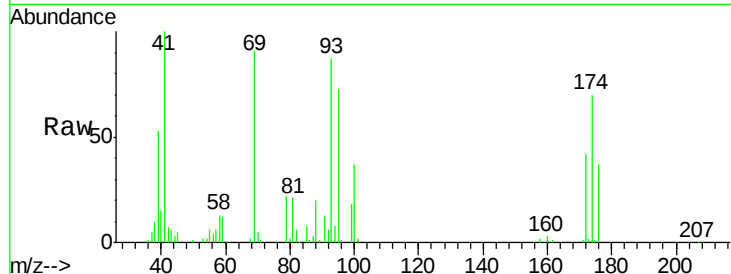
#49
1,4-Dioxane
Concen: 439.960 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 88 Resp: 7068
Ion Ratio Lower Upper
88 100
43 34.2 25.0 37.6
58 64.7 58.9 88.3

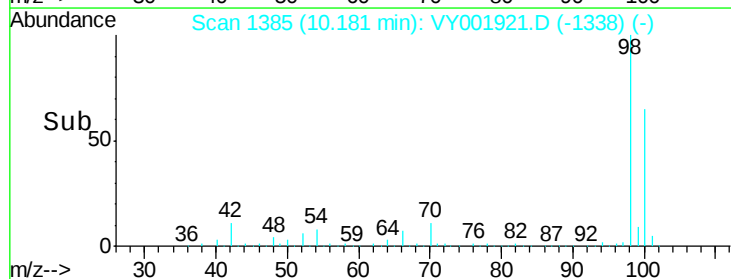
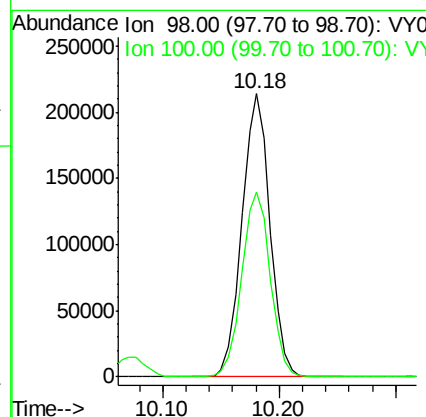
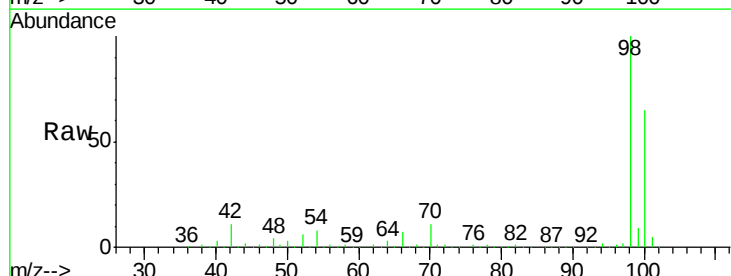
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#50
Toluene-d8
Concen: 48.950 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion: 98 Resp: 357638
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4





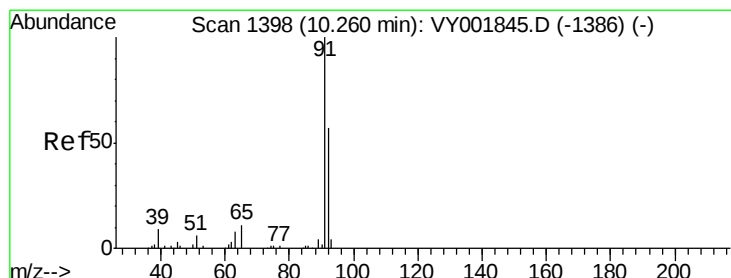
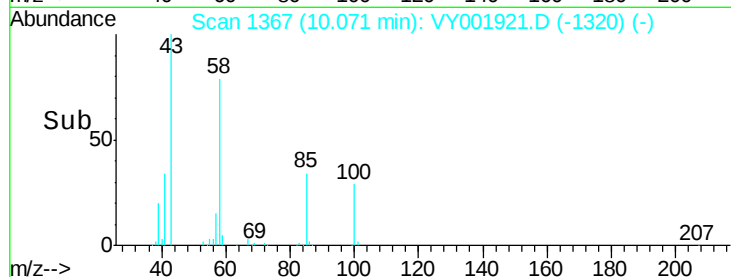
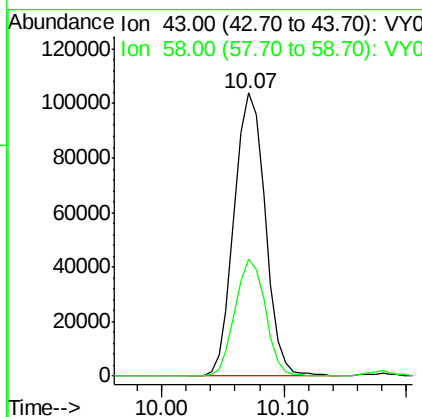
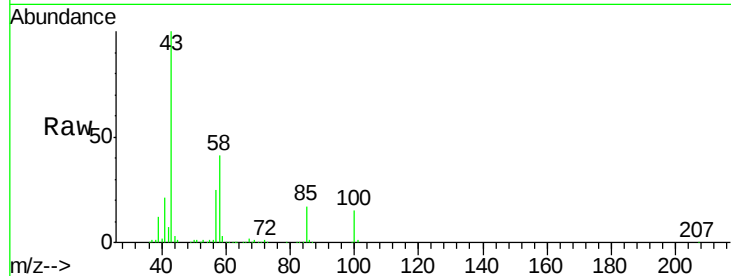
#51
4-Methyl-2-Pentanone
Concen: 106.251 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.0	48.0

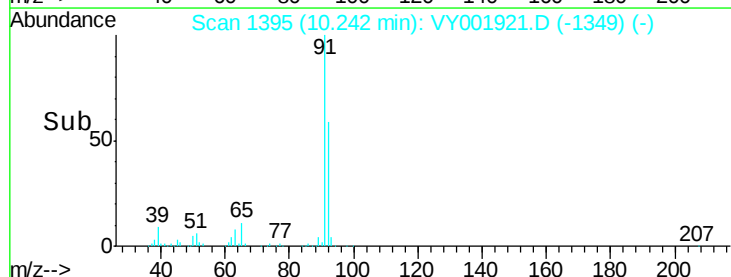
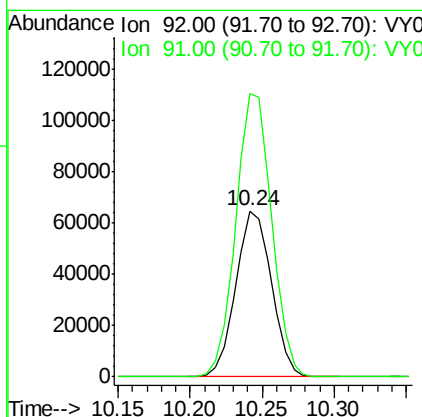
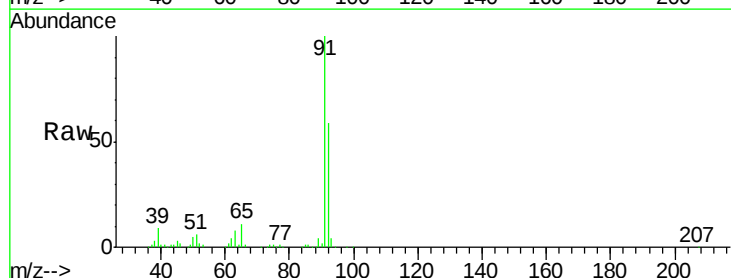
Manual Integrations
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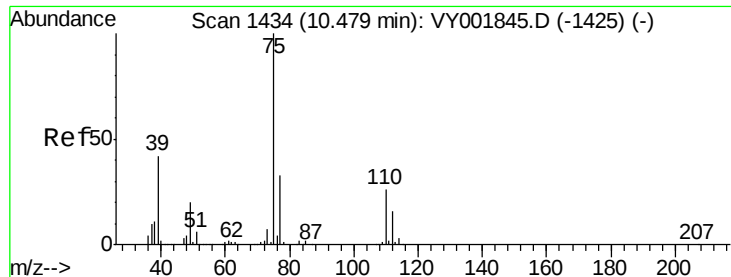
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#52
Toluene
Concen: 20.259 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	138.6	208.0





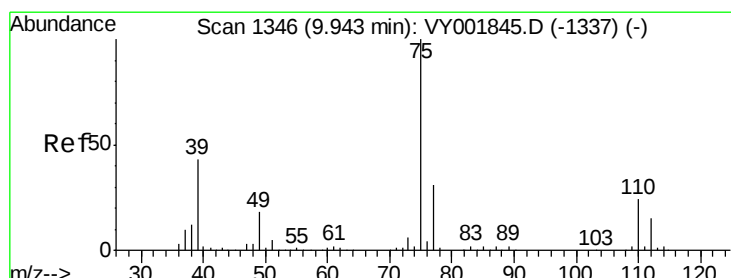
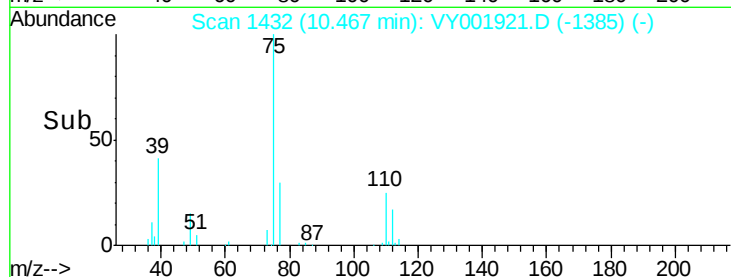
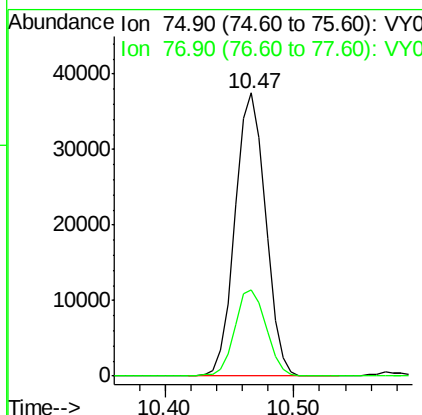
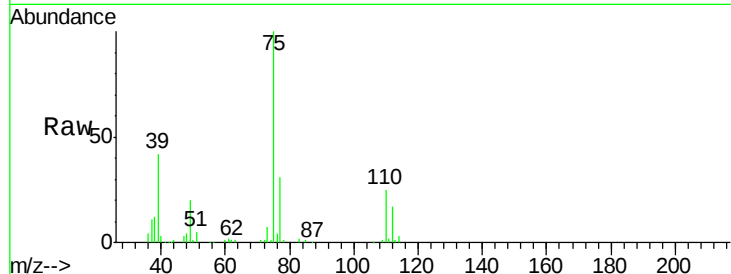
#53
t-1,3-Dichloropropene
Concen: 20.787 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 75 Resp: 61766
Ion Ratio Lower Upper
75 100
77 30.7 26.3 39.5

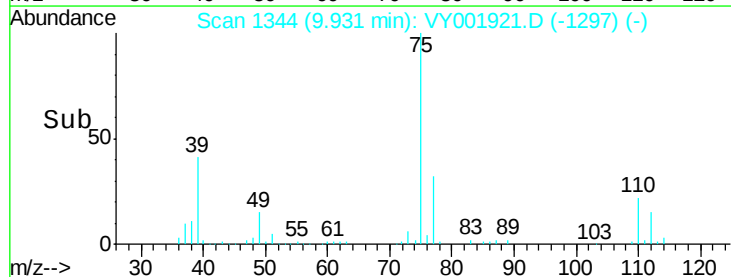
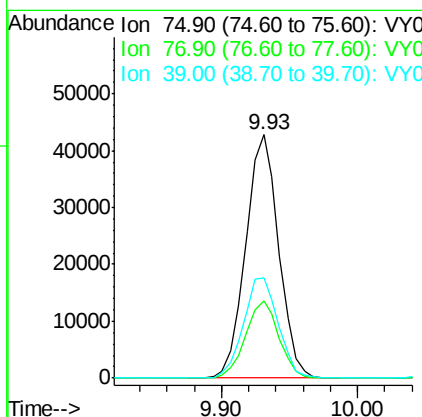
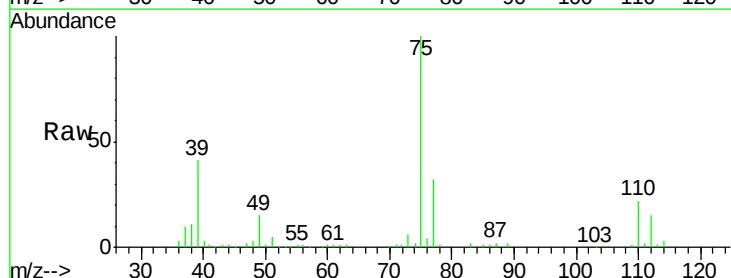
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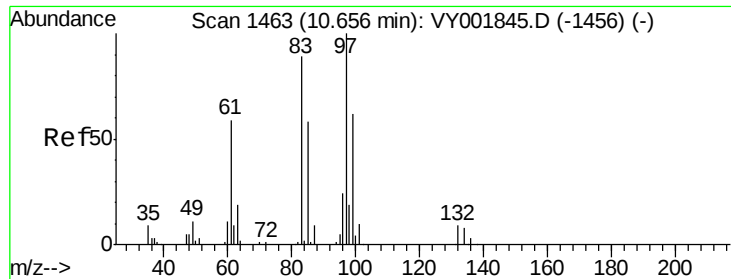
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#54
cis-1,3-Dichloropropene
Concen: 20.512 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion: 75 Resp: 72556
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 41.4 34.7 52.1





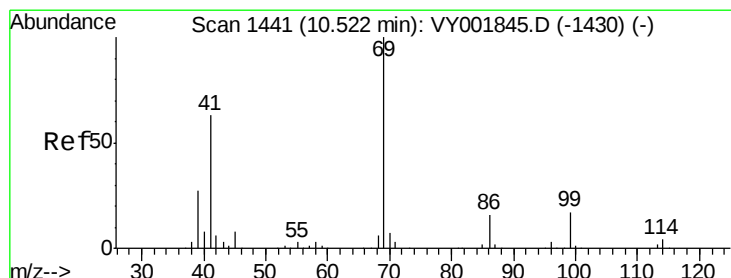
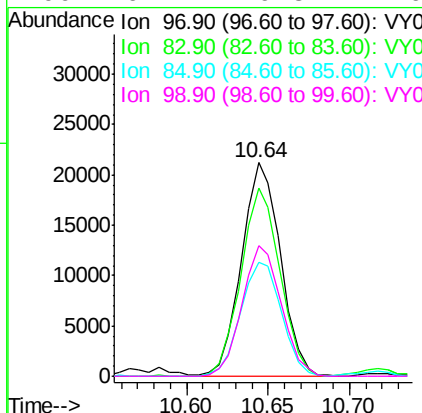
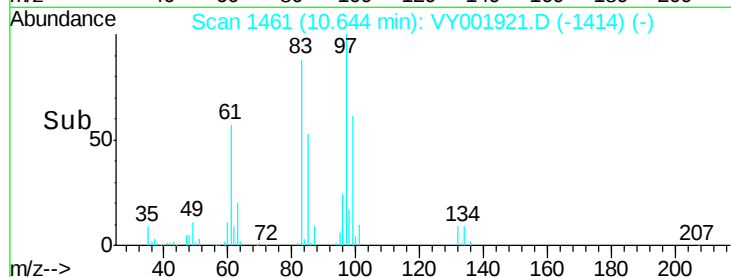
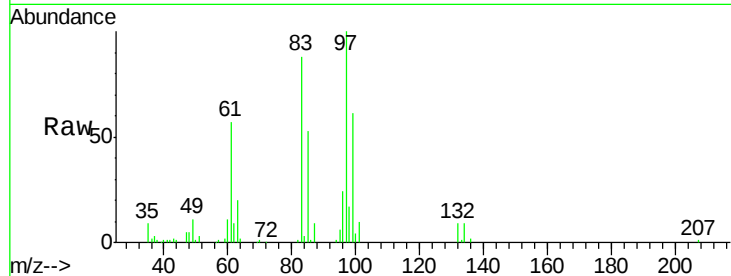
#55
1,1,2-Trichloroethane
Concen: 20.539 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion:	97	Resp:	35241
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.6	107.4
85	53.4	46.6	69.8
99	61.2	49.8	74.6

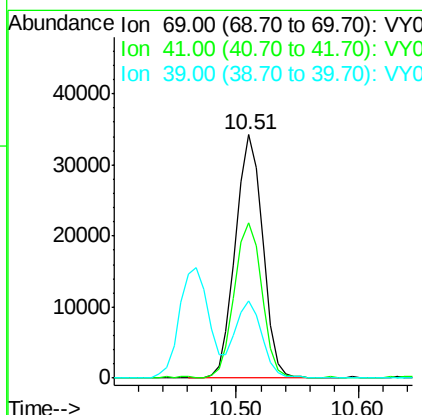
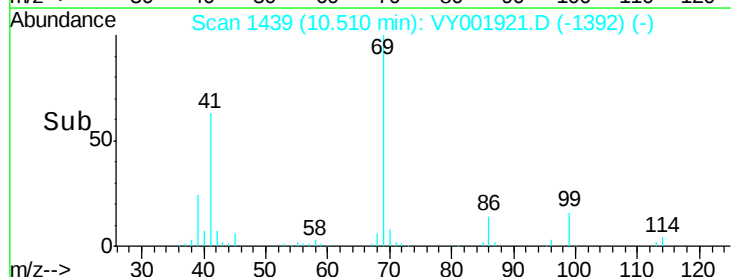
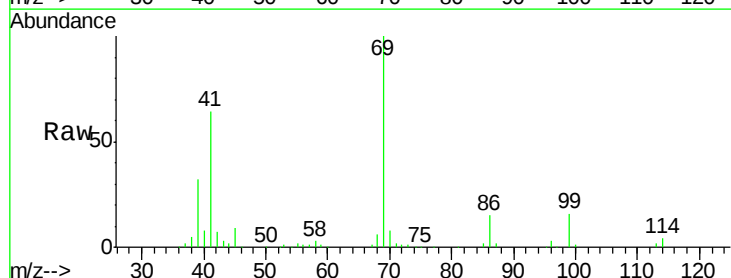
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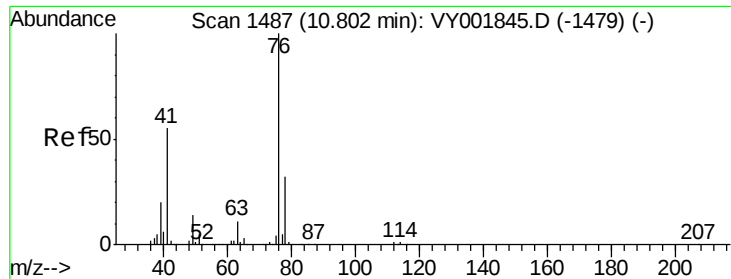
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#56
Ethyl methacrylate
Concen: 21.099 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion:	69	Resp:	53063
Ion	Ratio	Lower	Upper
69	100		
41	63.9	49.9	74.9
39	32.5	23.0	34.6





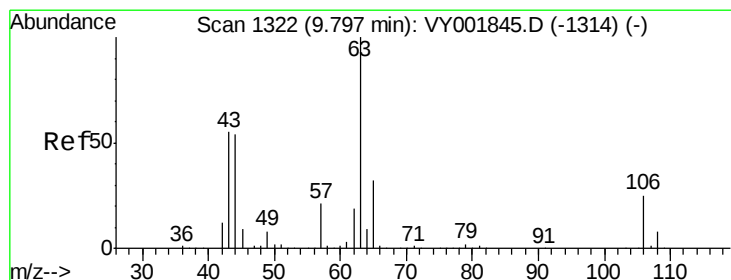
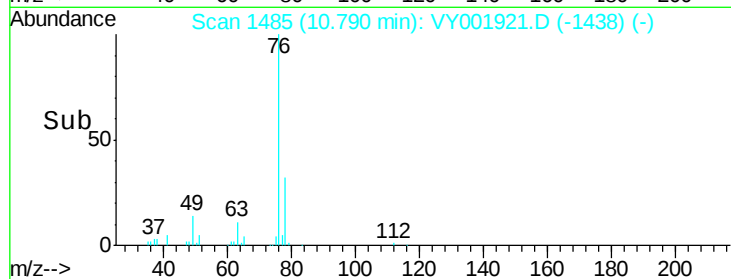
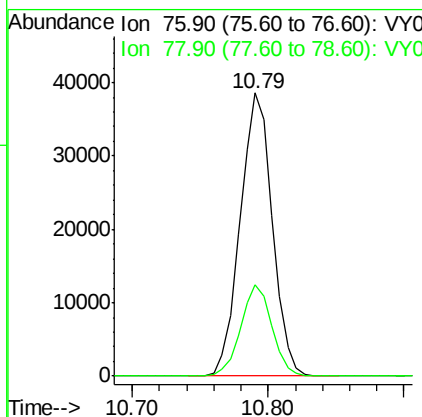
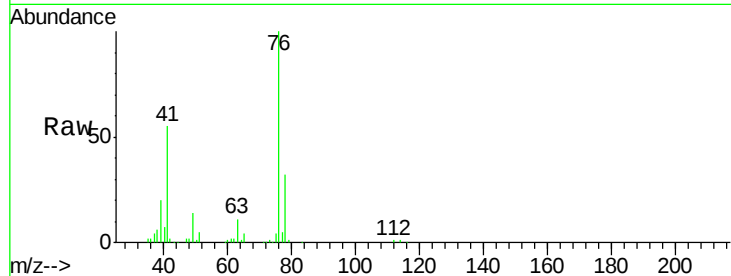
#57
 1,3-Dichloropropane
 Concen: 20.739 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion: 76 Resp: 63431
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6

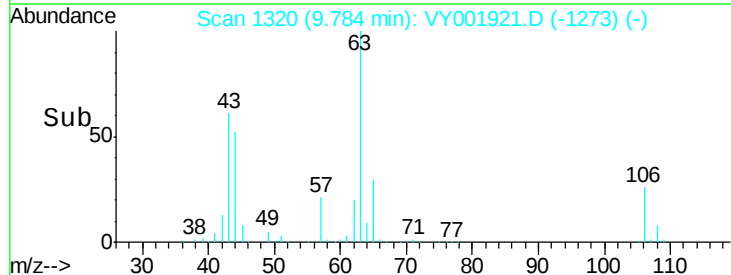
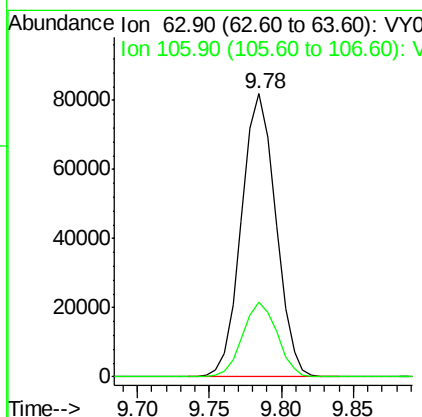
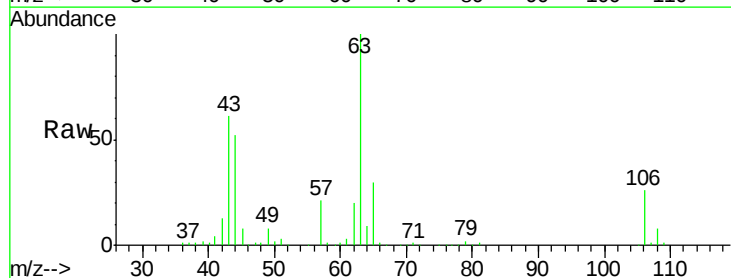
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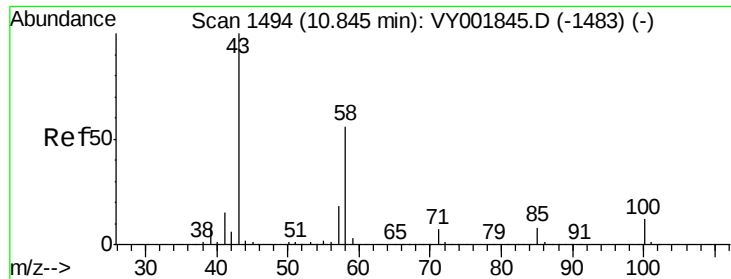
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 3/11/2020 3:22:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.840 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion: 63 Resp: 136164
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.3 31.9





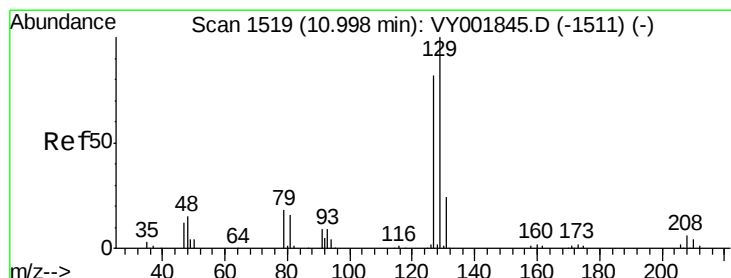
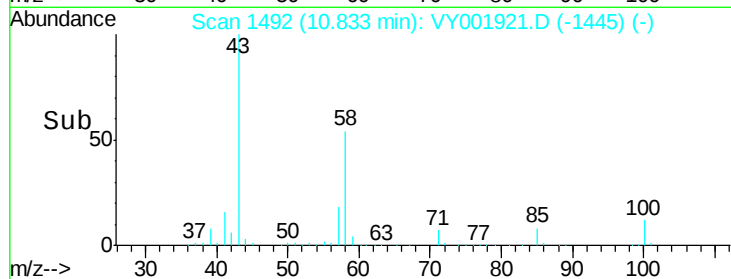
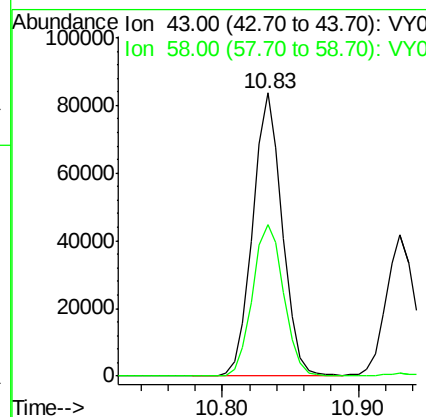
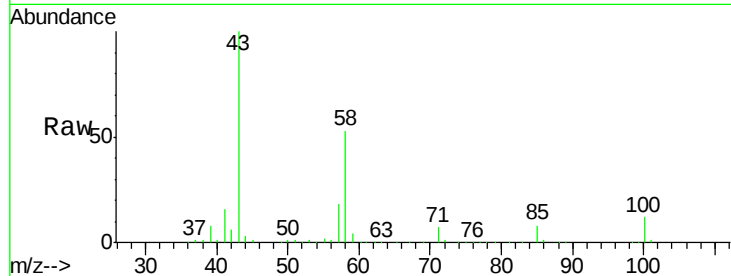
#59
2-Hexanone
Concen: 103.196 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion: 43 Resp: 127471
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

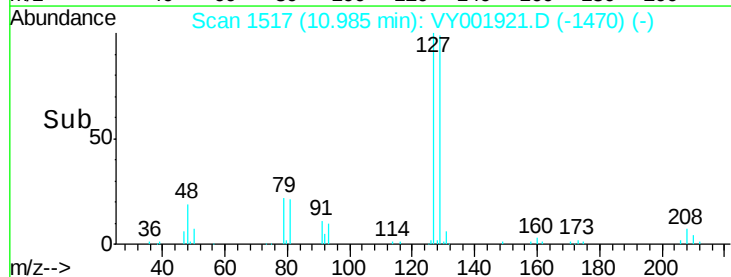
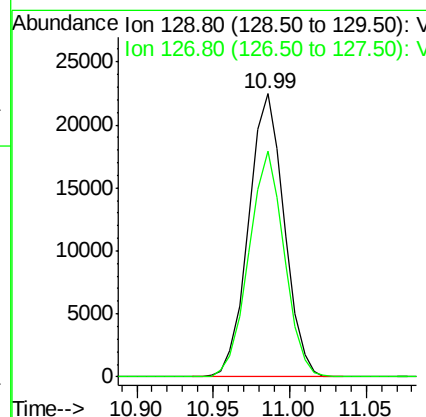
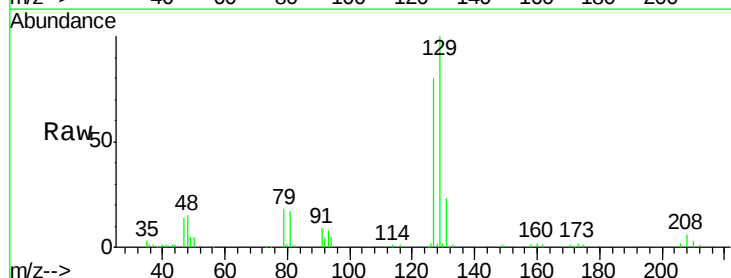
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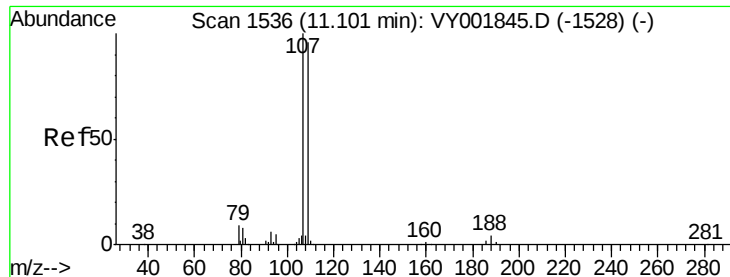
MMDadoda
3/11/2020 3:22:43 PM



#60
Dibromochloromethane
Concen: 20.131 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion: 129 Resp: 36398
Ion Ratio Lower Upper
129 100
127 79.2 39.0 117.0





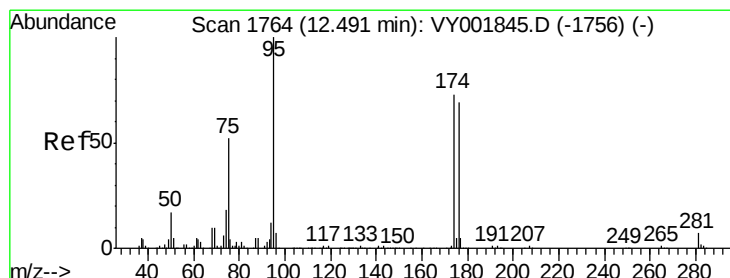
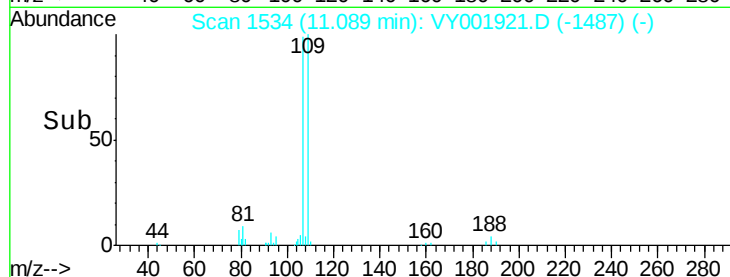
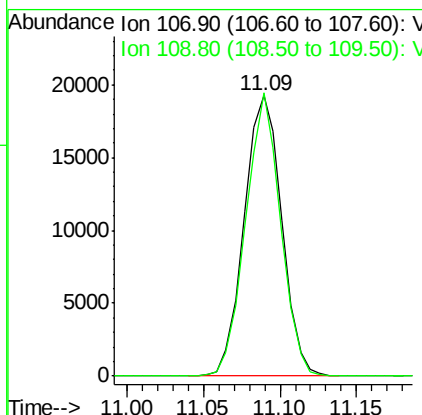
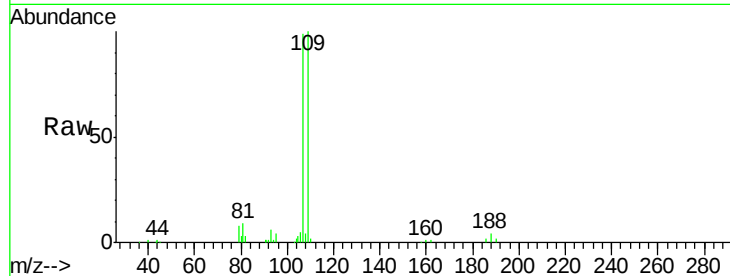
#61
 1,2-Dibromoethane
 Concen: 20.183 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0

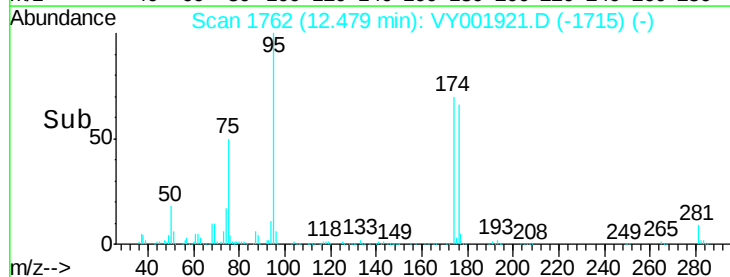
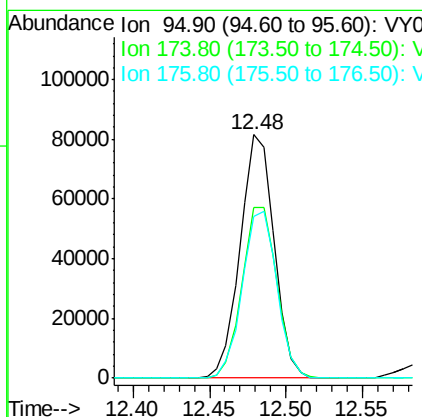
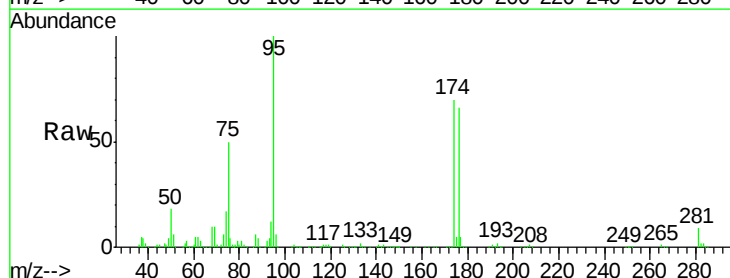
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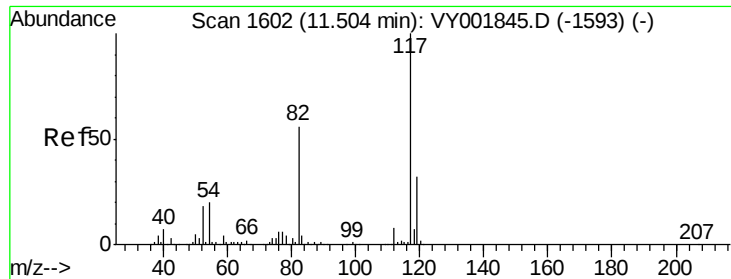
MMDadoda
 3/11/2020 3:22:43 PM



#62
 4-Bromofluorobenzene
 Concen: 49.381 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.0
176	69.9	0.0	137.4





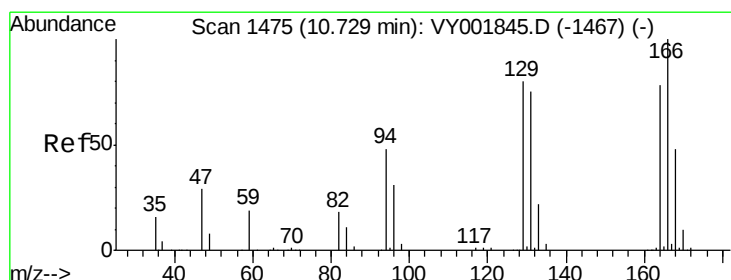
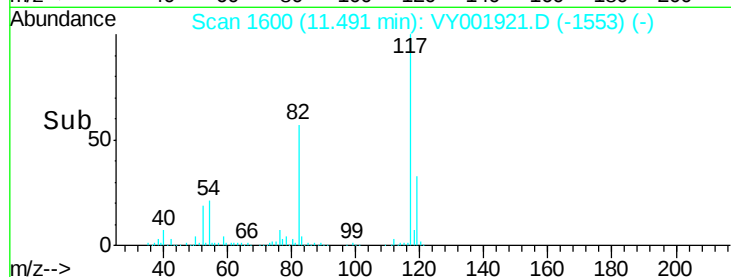
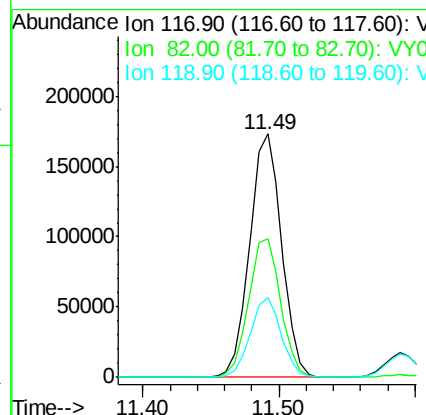
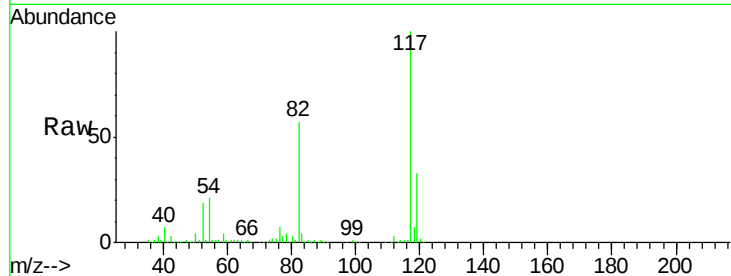
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284938		
82	57.1	44.5	66.7	
119	32.6	25.7	38.5	

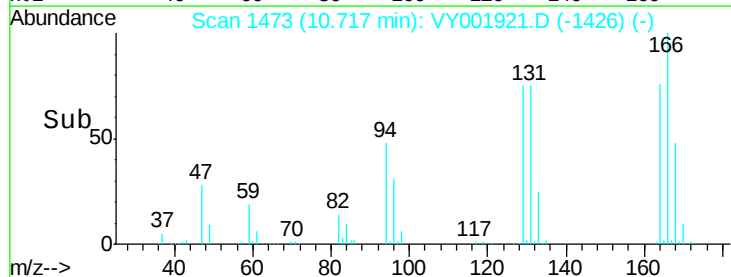
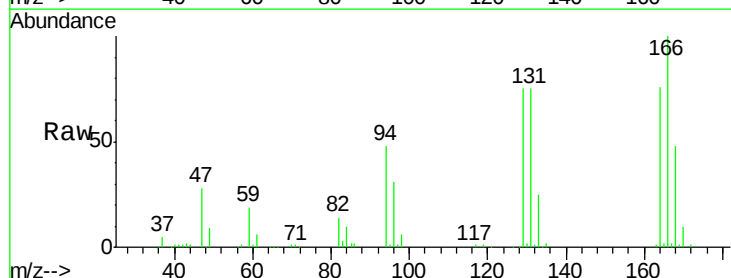
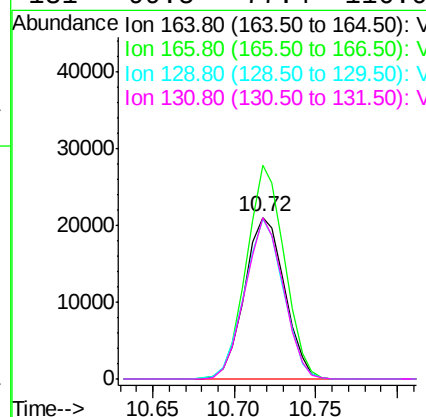
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#64
Tetrachloroethene
Concen: 20.116 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35946		
166	132.1	102.6	154.0	
129	99.2	82.3	123.5	
131	99.5	77.4	116.0	





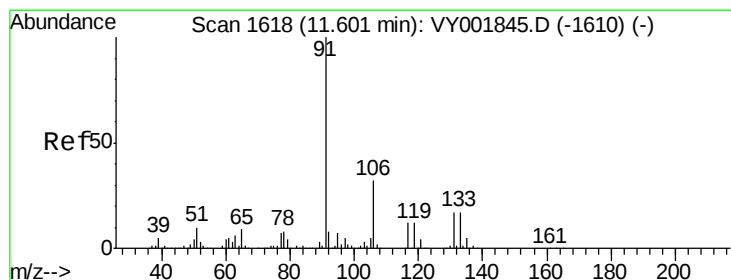
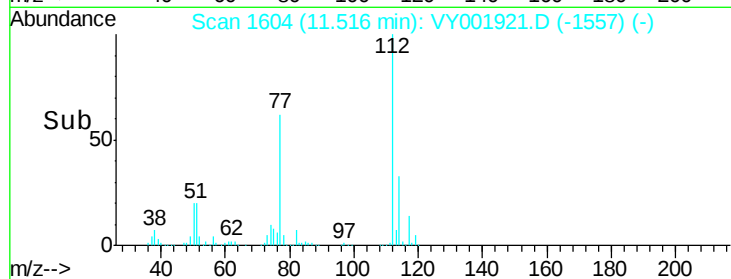
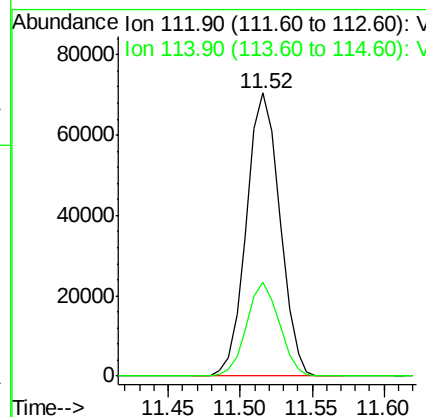
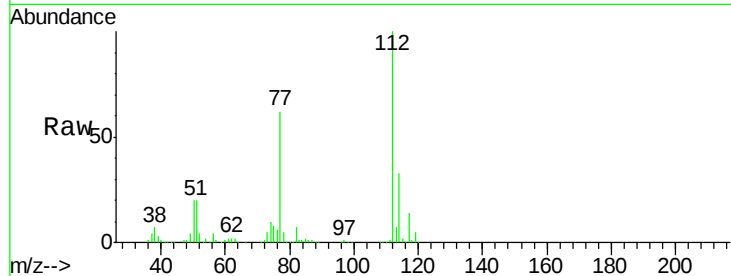
#65
Chlorobenzene
Concen: 19.949 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	113261		
114	33.0	25.9	38.9	

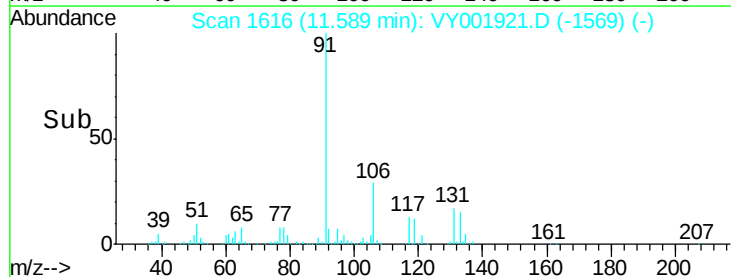
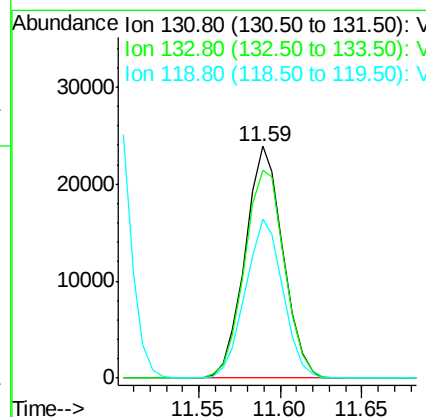
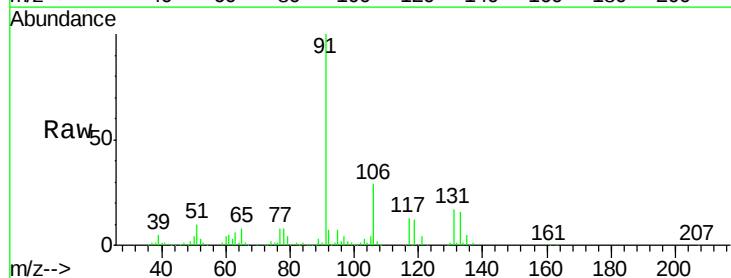
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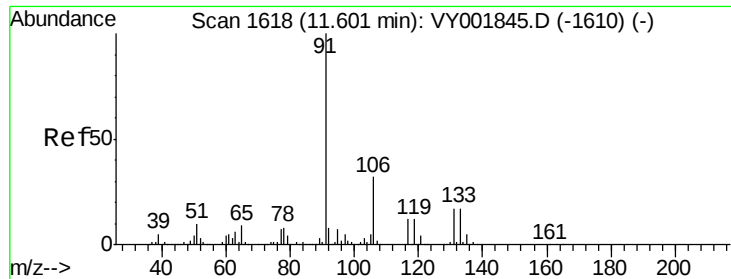
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.717 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	38571		
133	94.7	47.1	141.3	
119	67.8	34.5	103.6	





#67

Ethyl Benzene

Concen: 20.223 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion: 91 Resp: 214135

Ion Ratio Lower Upper

91 100

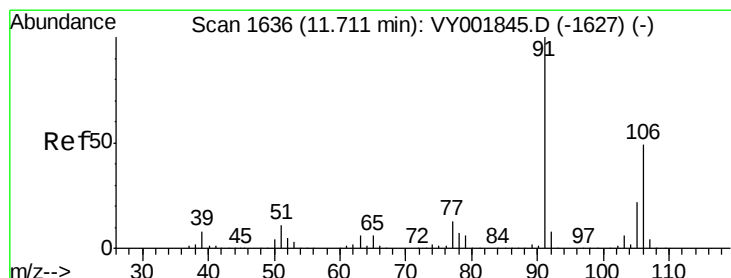
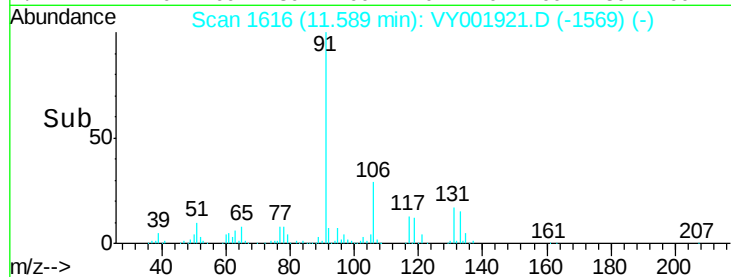
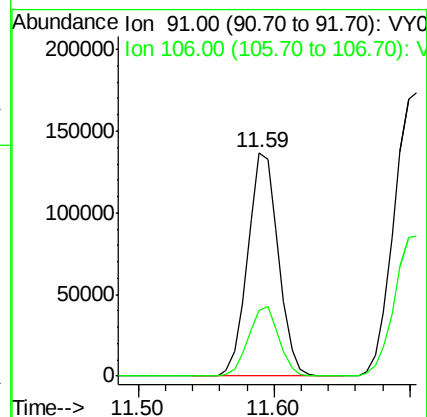
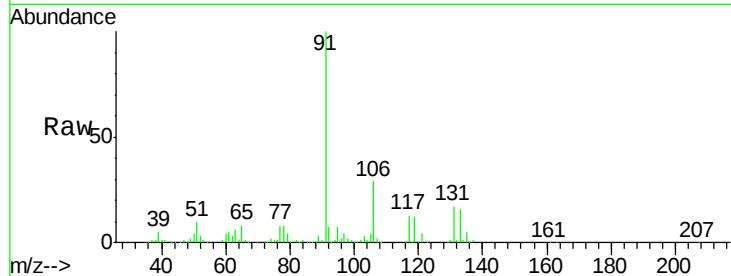
106 29.2 25.4 38.2

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#68

m/p-Xylenes

Concen: 40.401 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001921.D

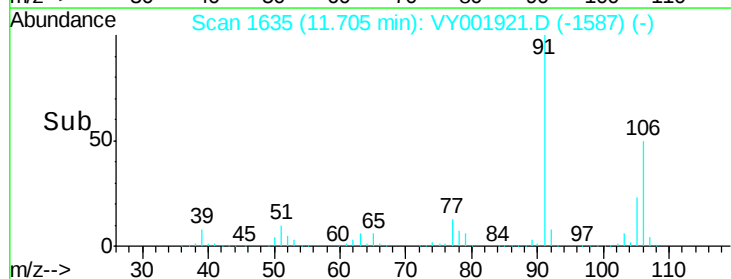
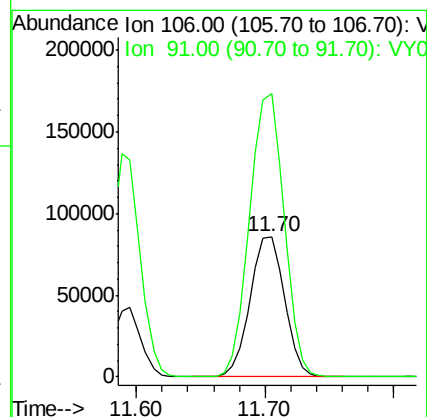
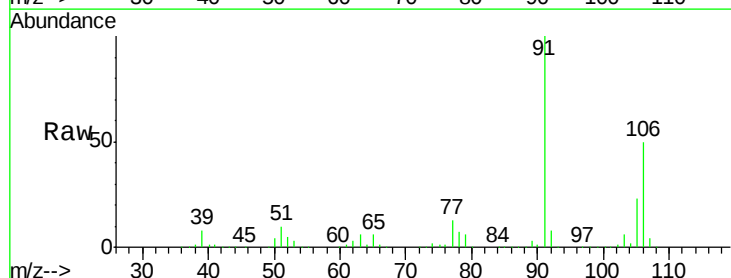
Acq: 10 Mar 2020 14:06

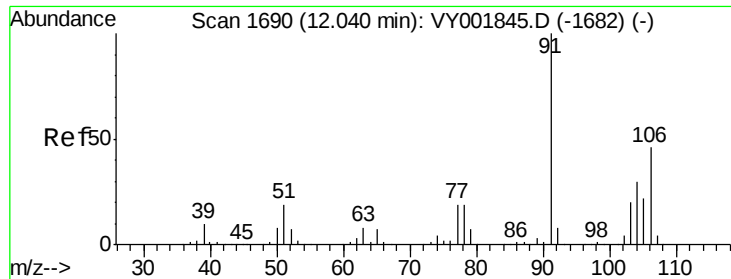
Tgt Ion: 106 Resp: 158158

Ion Ratio Lower Upper

106 100

91 202.8 161.3 241.9





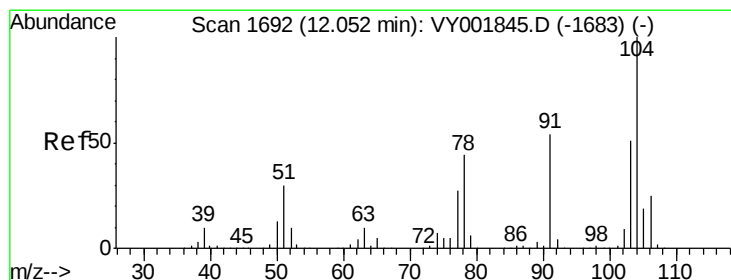
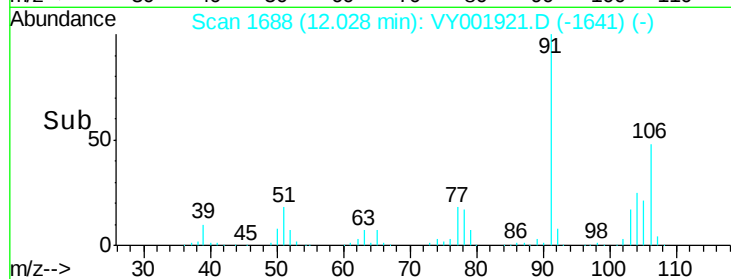
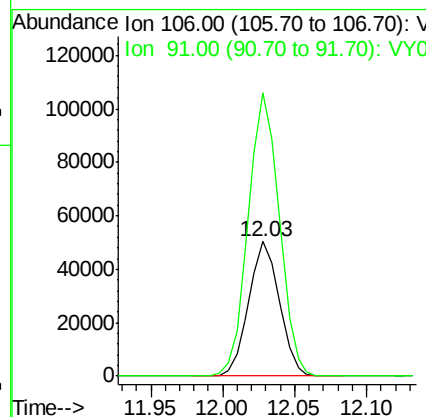
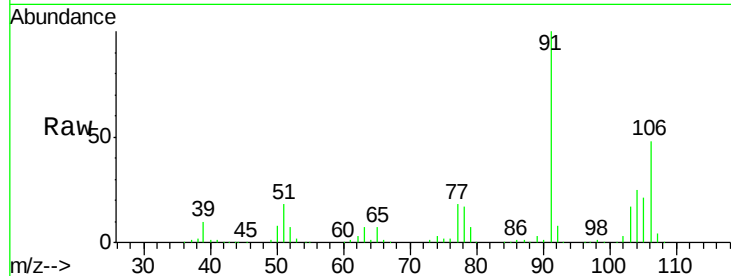
#69
o-Xylene
Concen: 20.230 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion:106 Resp: 74643
Ion Ratio Lower Upper
106 100
91 211.3 106.8 320.4

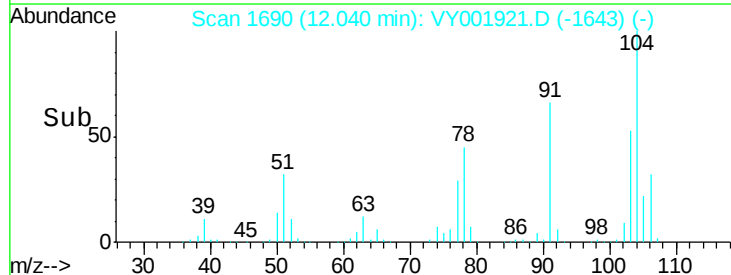
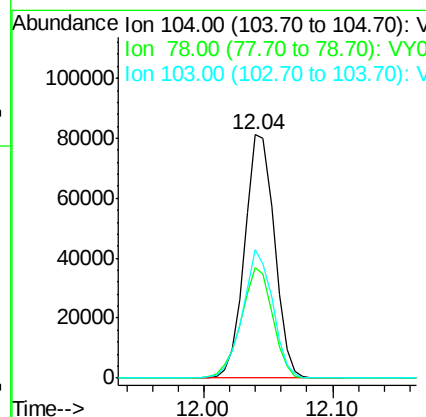
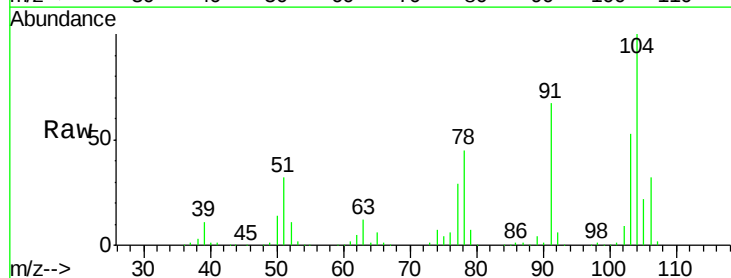
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#70
Styrene
Concen: 20.468 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion:104 Resp: 129344
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 53.2 42.9 64.3





#71

Bromoform

Concen: 20.436 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.02 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:173 Resp: 20634

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

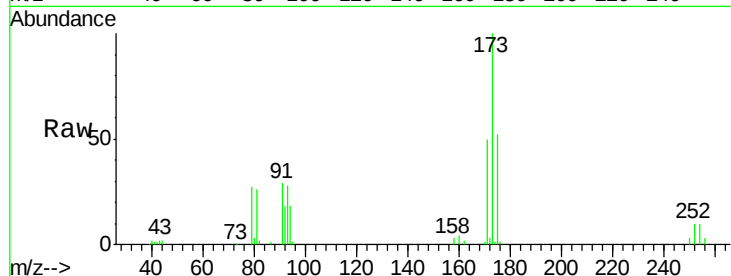
254 0.0 0.0 0.0

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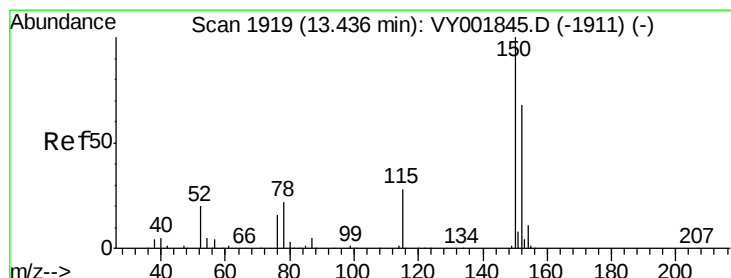
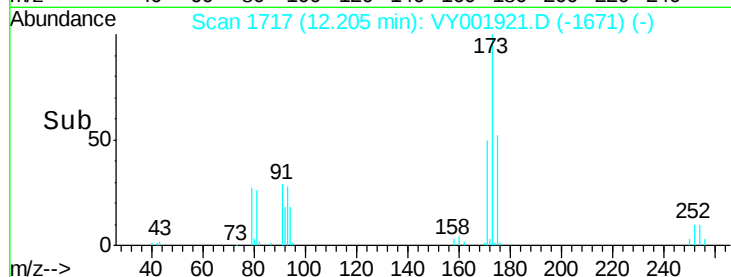
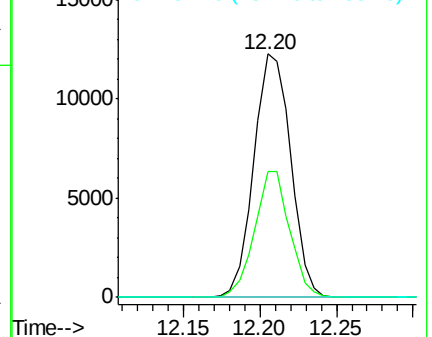
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

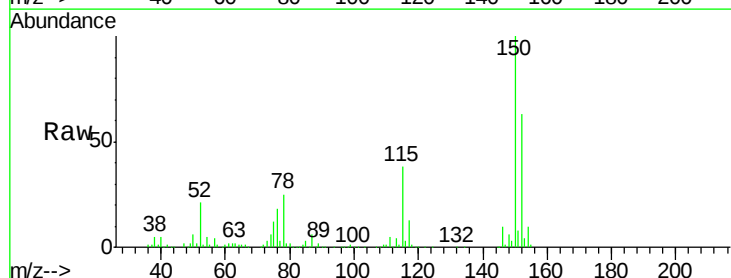
Tgt Ion:152 Resp: 133669

Ion Ratio Lower Upper

152 100

115 61.6 29.9 89.7

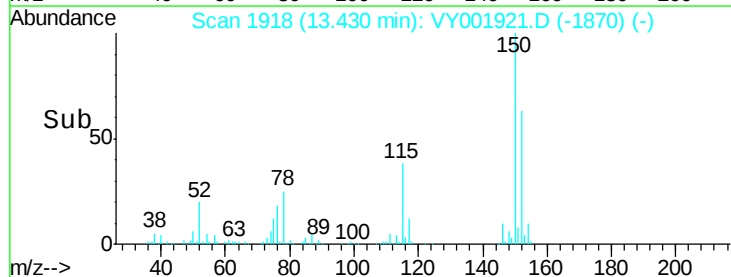
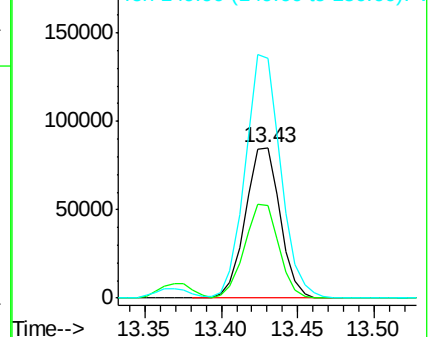
150 165.3 0.0 340.6



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





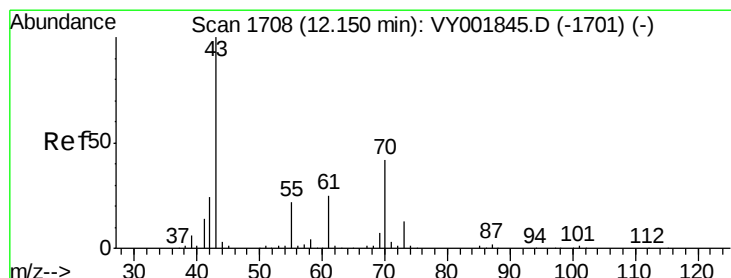
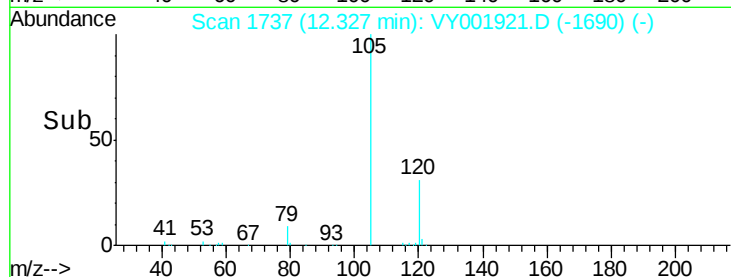
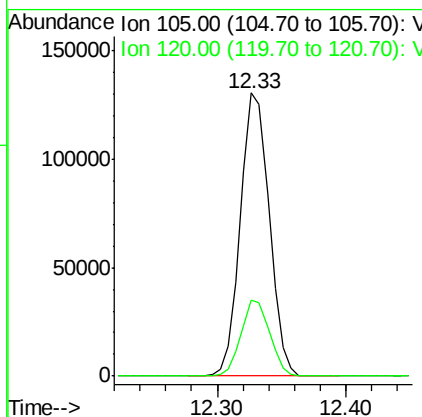
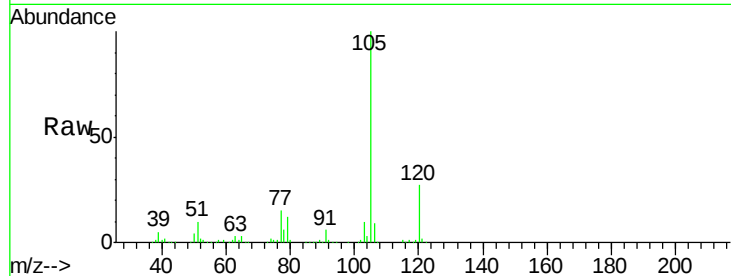
#73
Isopropylbenzene
Concen: 19.811 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

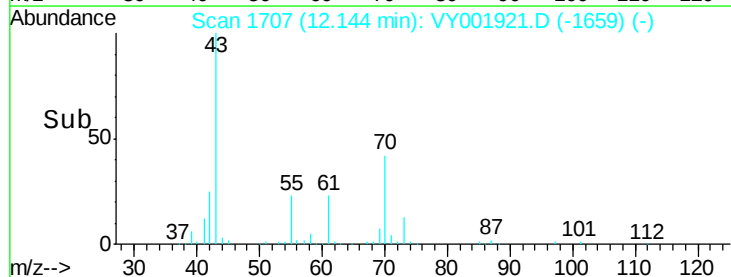
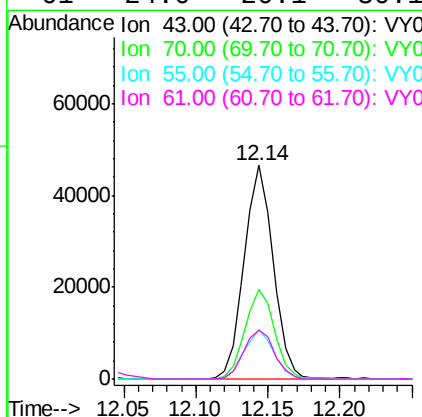
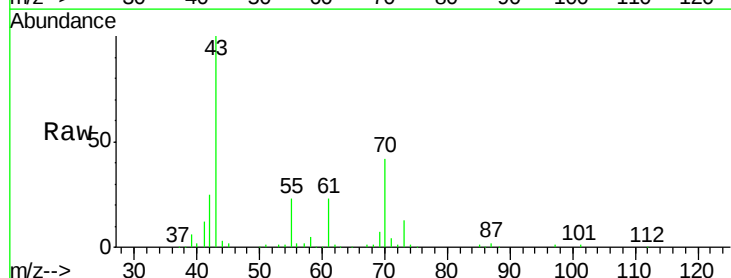
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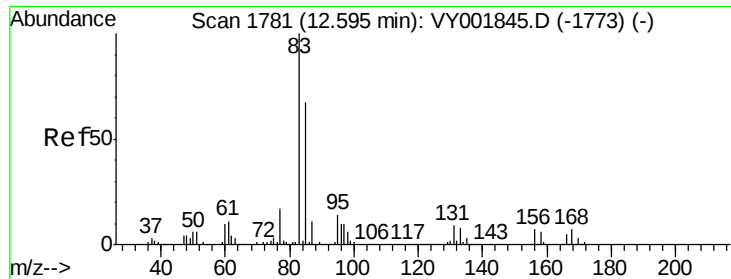
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#74
N-ethyl acetate
Concen: 20.829 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.7	52.1
55	23.3	18.2	27.4
61	24.0	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.158 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

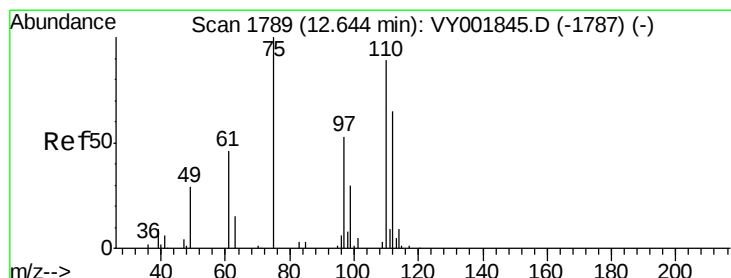
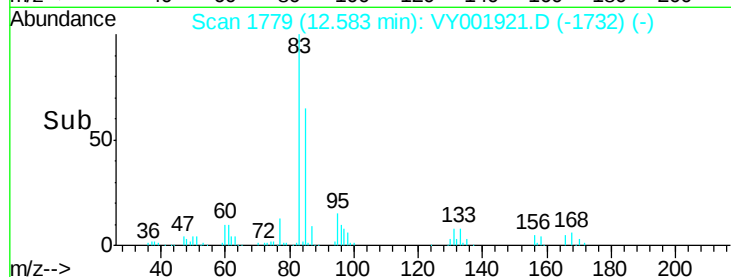
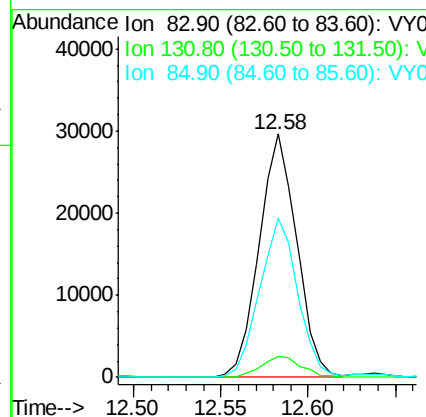
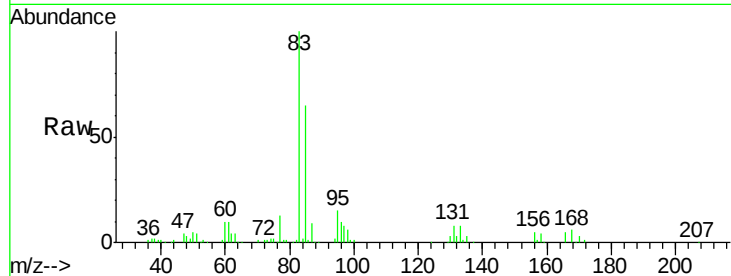
ClientSampleId :

VY0310SBS01

Tot Ion:	83	Resp:	44357
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	66.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 16.151 ug/l m

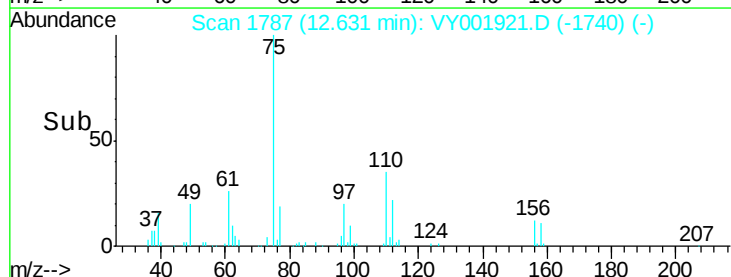
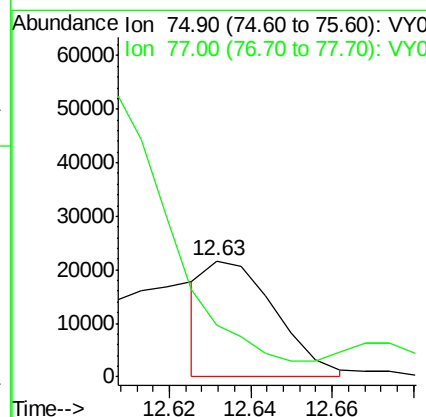
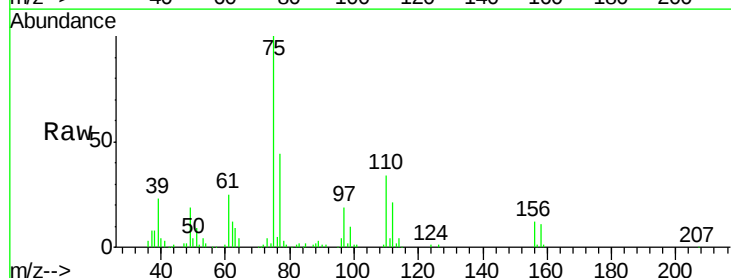
RT: 12.63 min Scan# 1787

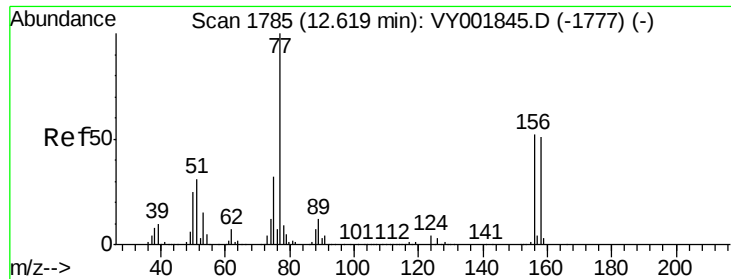
Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Tgt Ion:	75	Resp:	25616
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.352 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:156 Resp: 43998

Ion Ratio Lower Upper

156 100

77 211.9 109.0 327.0

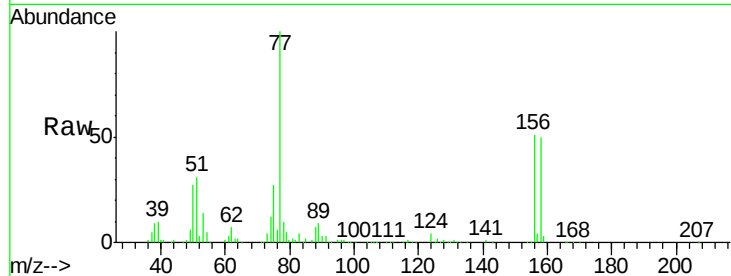
158 96.0 48.9 146.8

Manual Integrations

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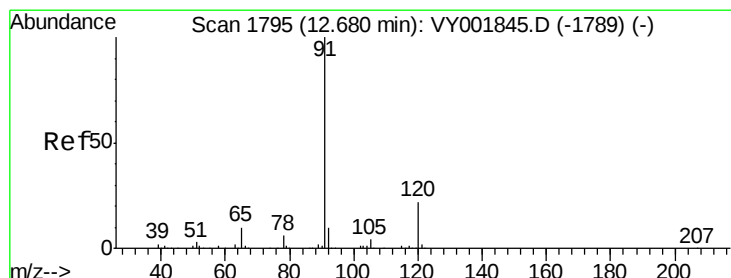
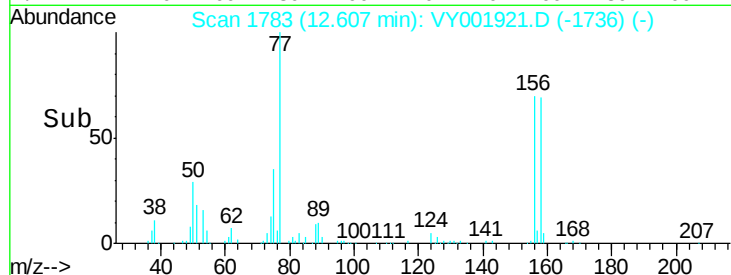
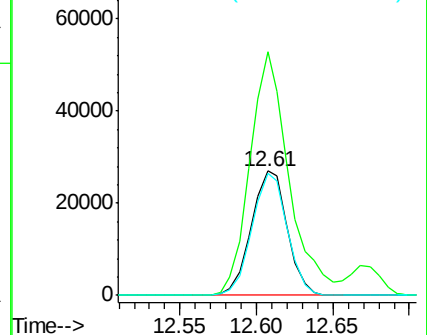
3/11/2020 3:22:43 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.937 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001921.D

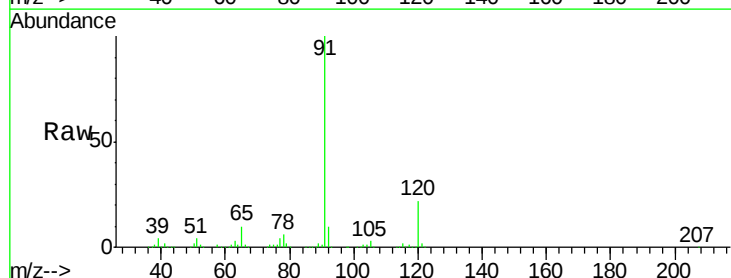
Acq: 10 Mar 2020 14:06

Tgt Ion: 91 Resp: 250976

Ion Ratio Lower Upper

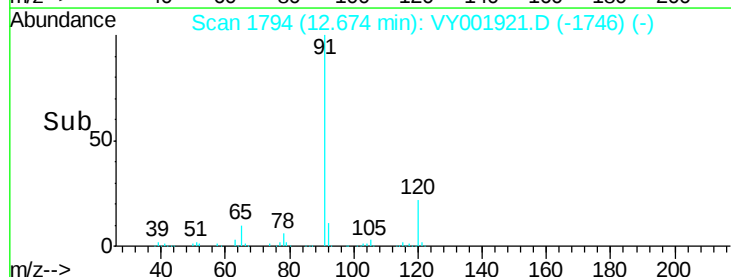
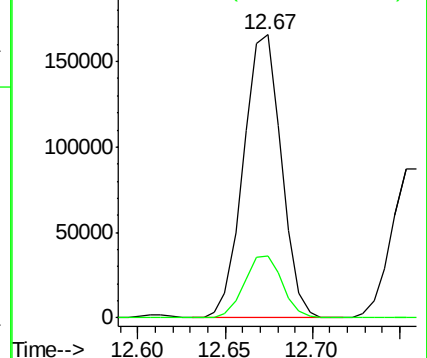
91 100

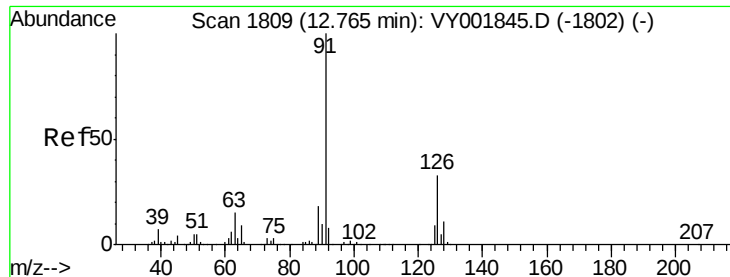
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





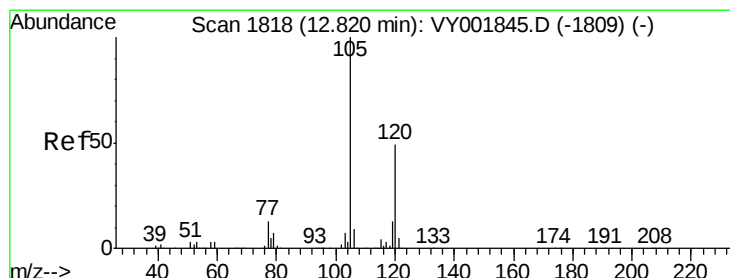
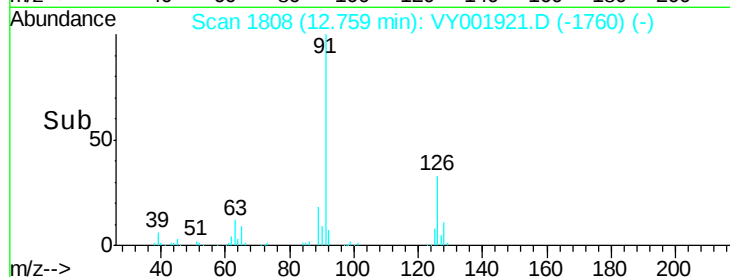
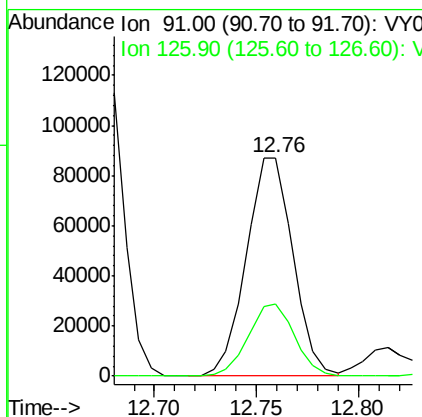
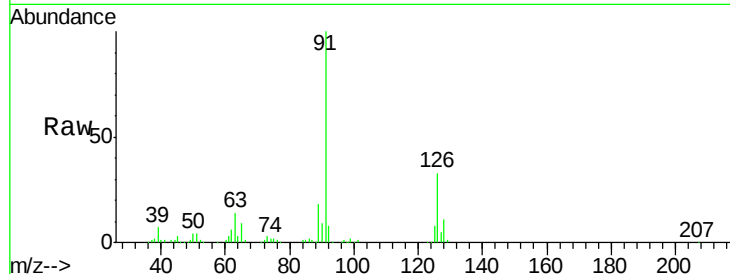
#79
2-Chlorotoluene
Concen: 19.970 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.8

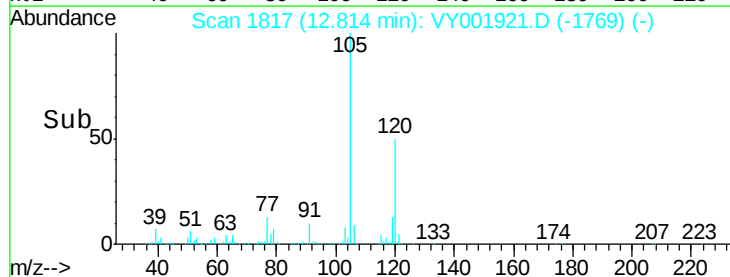
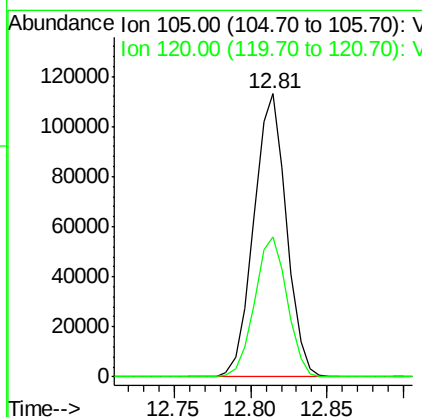
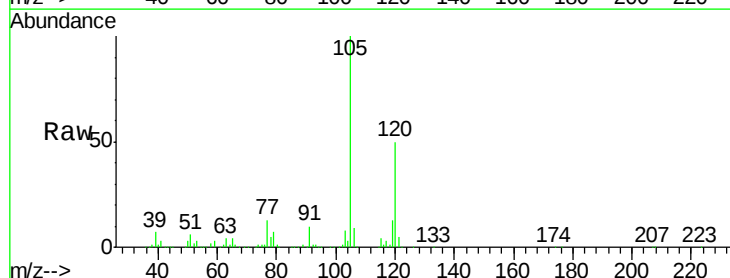
Manual Integrations
APPROVED

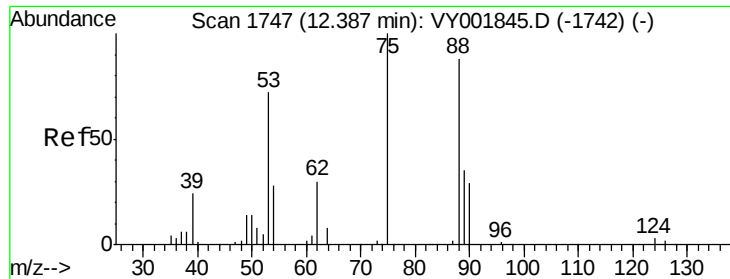
MMDadoda
3/11/2020 3:22:43 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.932 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.4	73.2





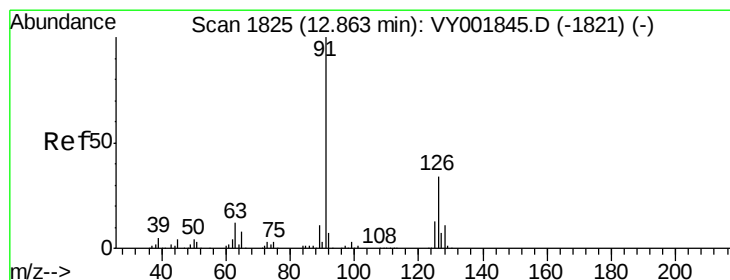
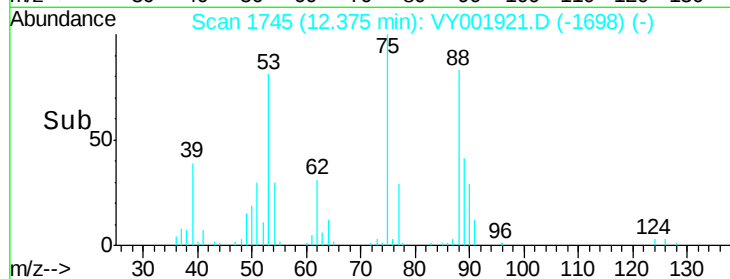
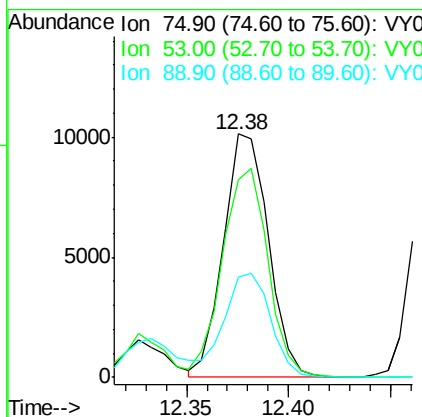
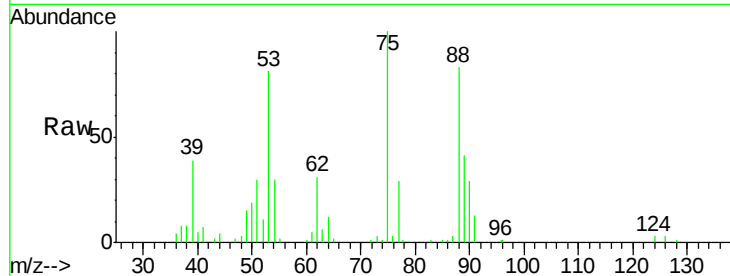
#81
trans-1,4-Dichloro-2-butene
Concen: 19.718 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	65.4	98.0
89	43.3	36.0	54.0

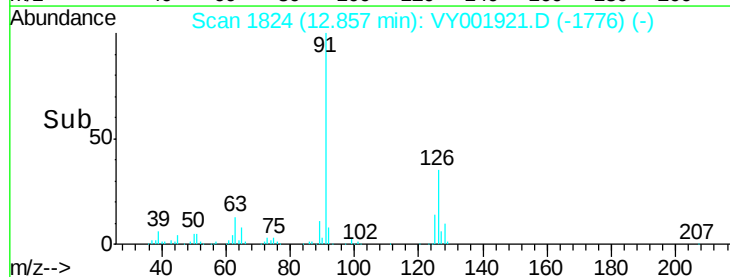
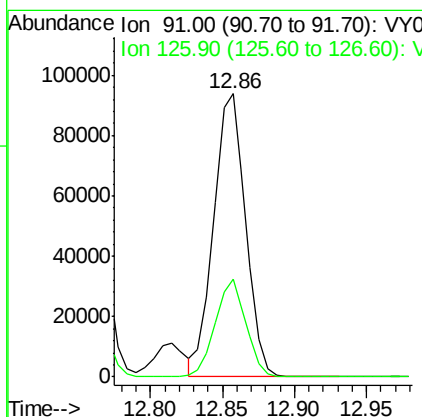
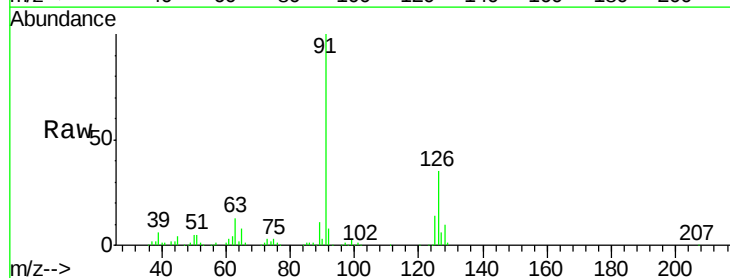
Manual Integrations
APPROVED

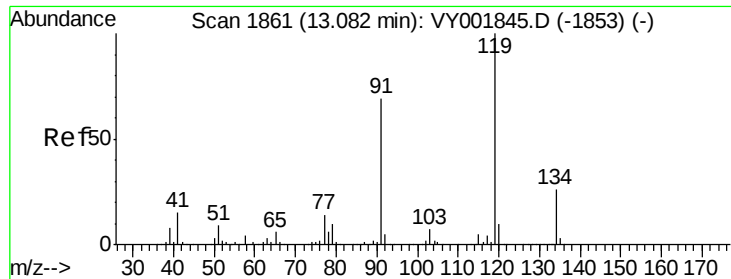
MMDadoda
3/11/2020 3:22:43 PM



#82
4-Chlorotoluene
Concen: 20.087 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





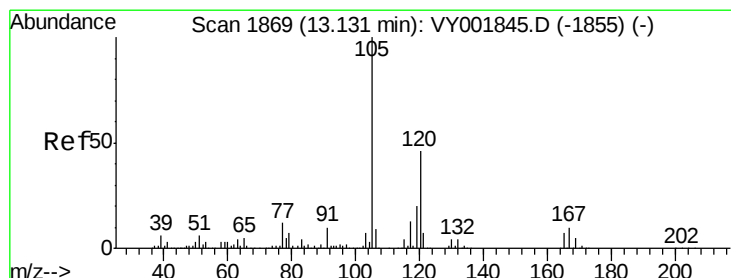
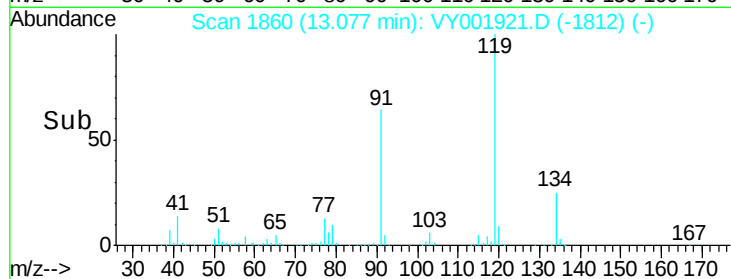
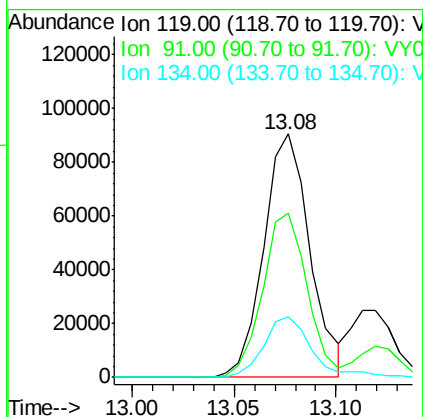
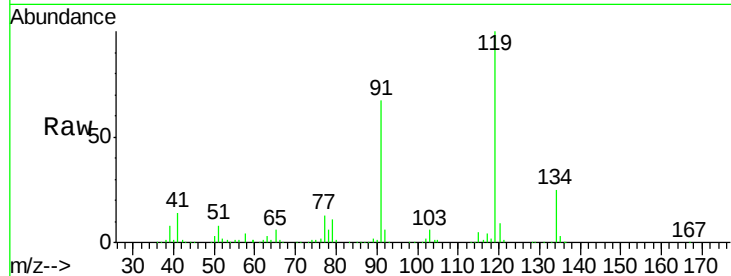
#83
tert-Butylbenzene
Concen: 20.458 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.0	101.8
134	25.9	13.5	40.4

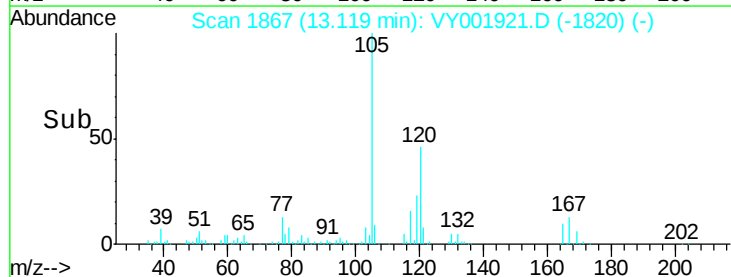
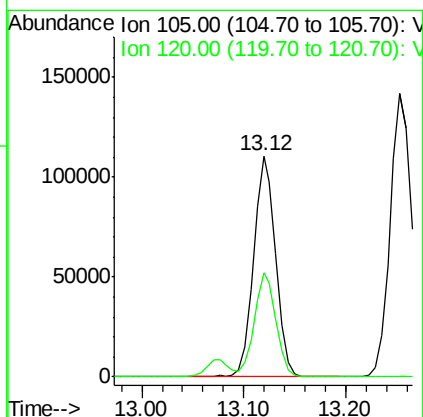
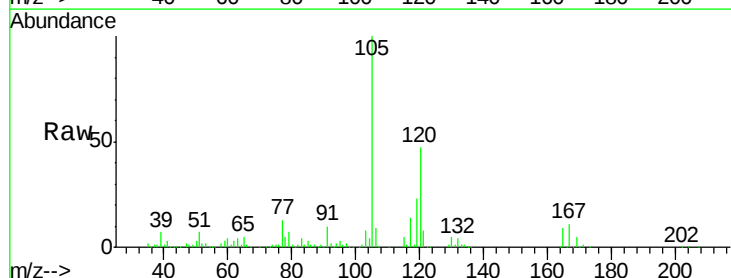
Manual Integrations
APPROVED

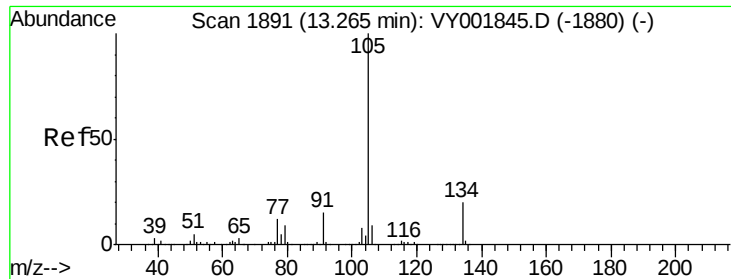
MMDadoda
3/11/2020 3:22:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.033 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.272 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VY0310SBS01

Tot Ion:105 Resp: 208478

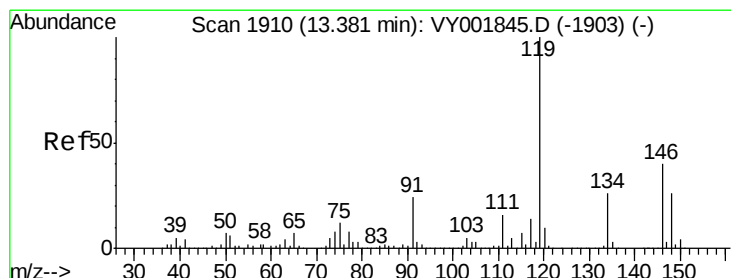
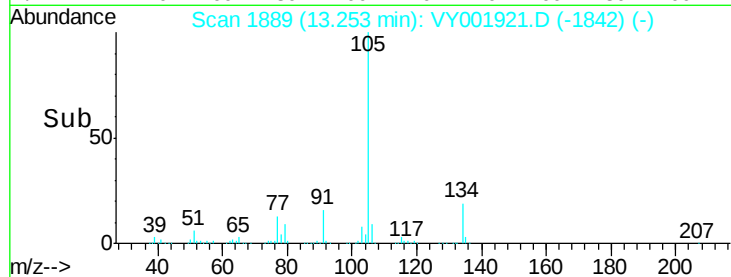
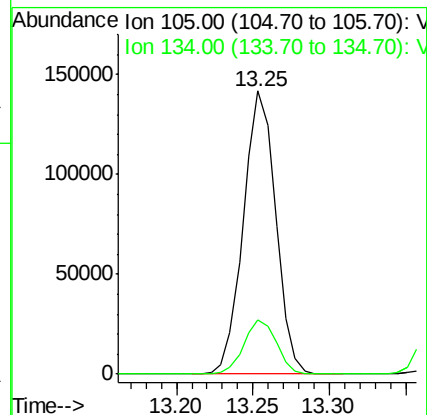
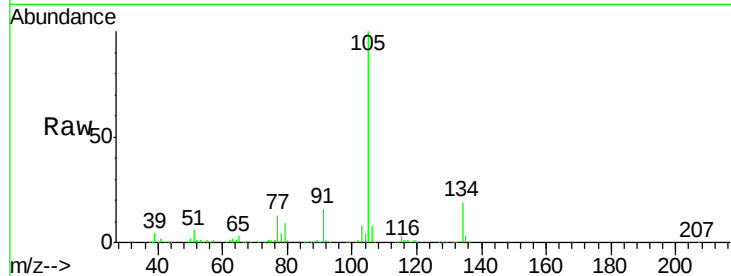
Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1

Manual Integrations
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3/11/2020 3:22:43 PM



#86

p-Isopropyltoluene

Concen: 20.437 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001921.D

Acq: 10 Mar 2020 14:06

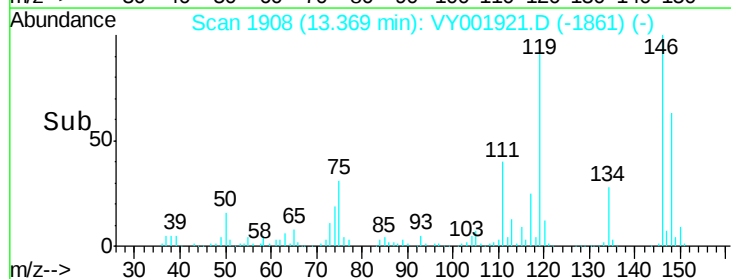
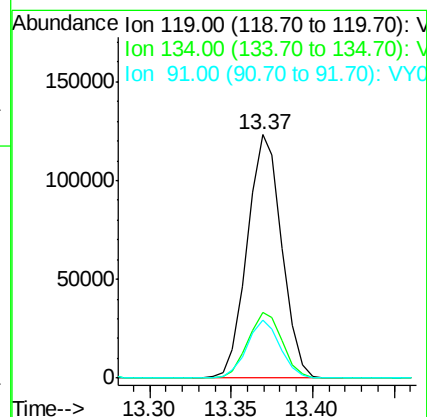
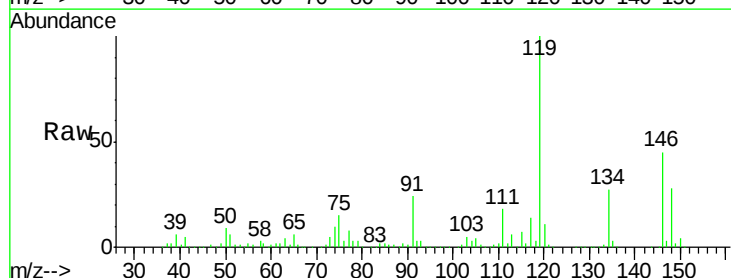
Tgt Ion:119 Resp: 181304

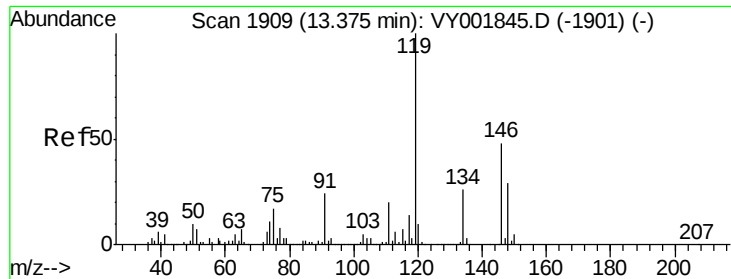
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 23.2 11.9 35.7





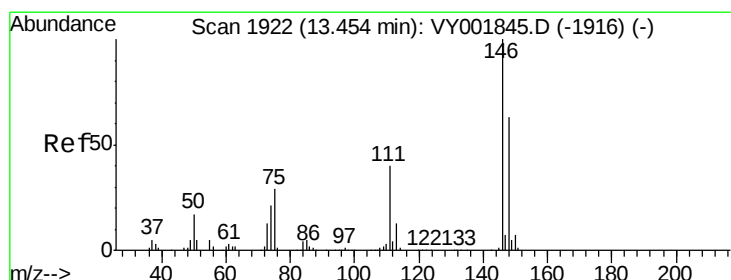
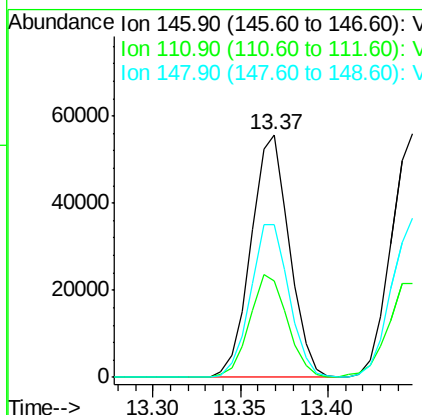
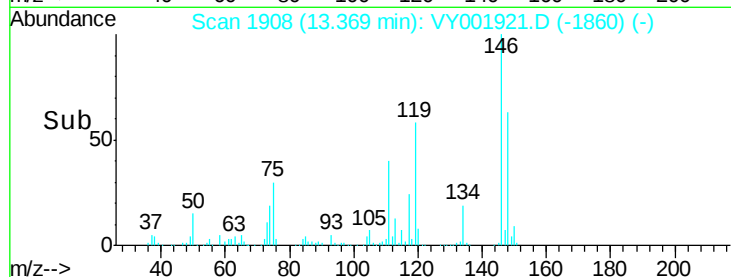
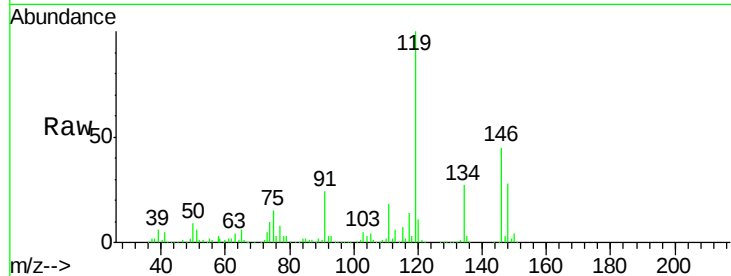
#87
 1,3-Dichlorobenzene
 Concen: 20.187 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	63.7	31.4	94.0

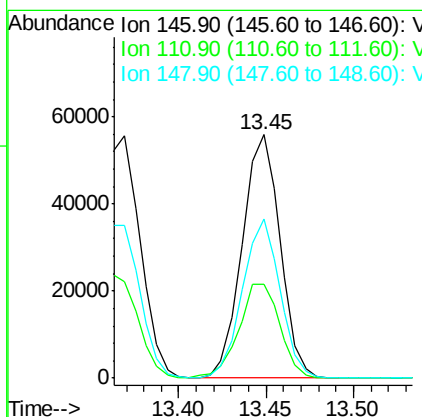
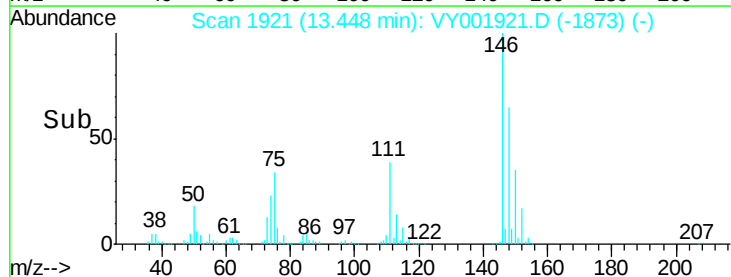
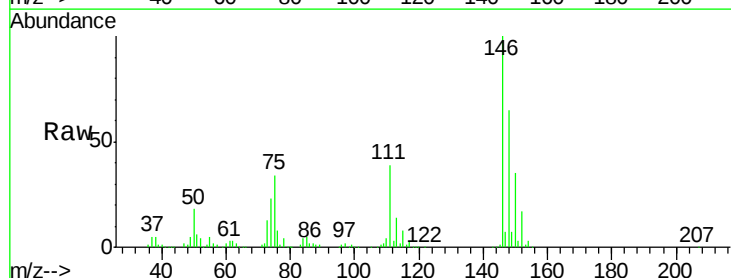
Manual Integrations
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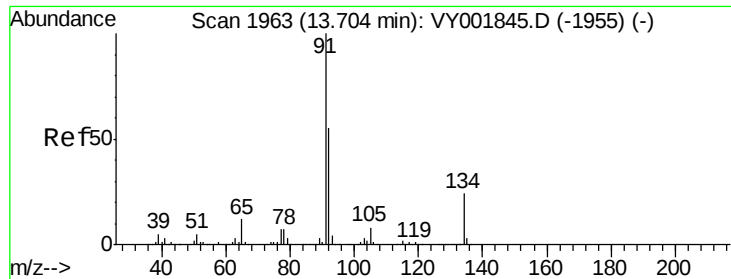
MMDadoda
 3/11/2020 3:22:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	60.0
148	64.4	31.5	94.5





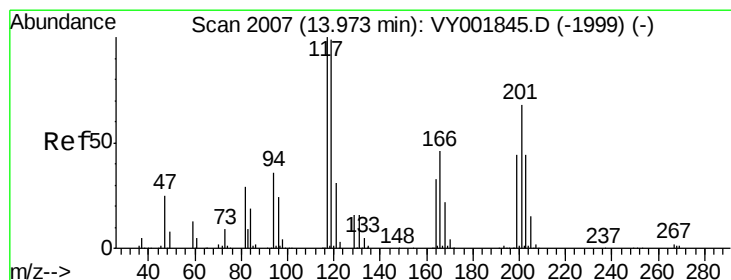
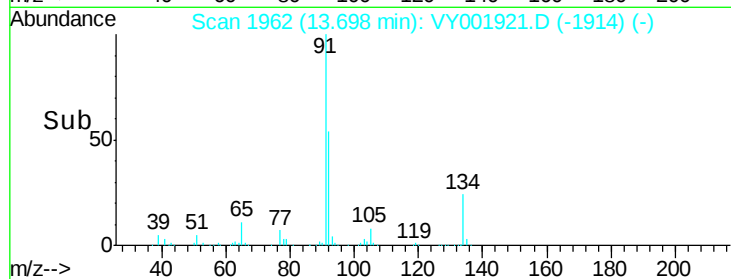
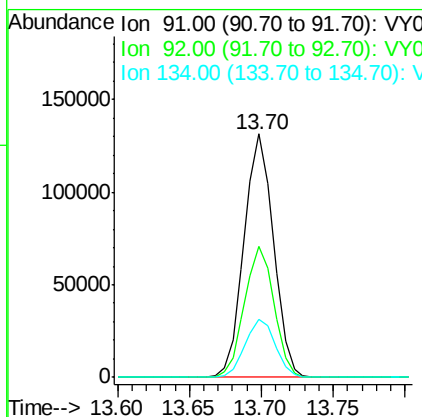
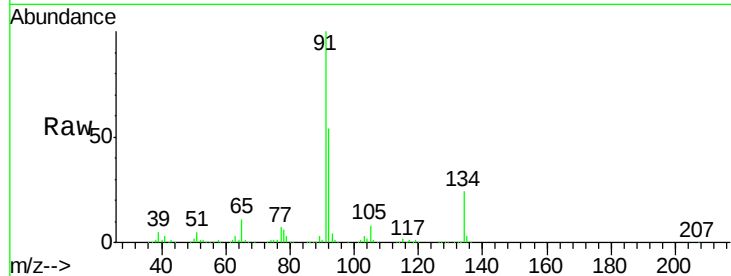
#89
n-Butylbenzene
Concen: 20.205 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	185967		
92	54.1	27.5	82.4	
134	24.5	12.5	37.5	

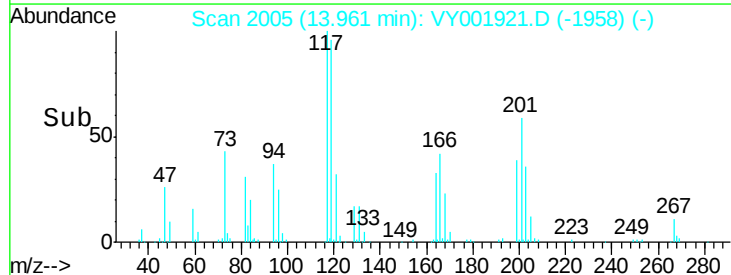
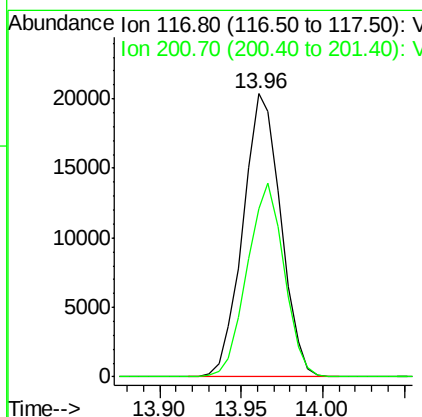
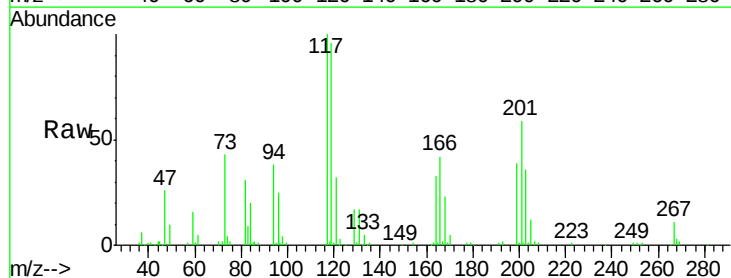
Manual Integrations
APPROVED

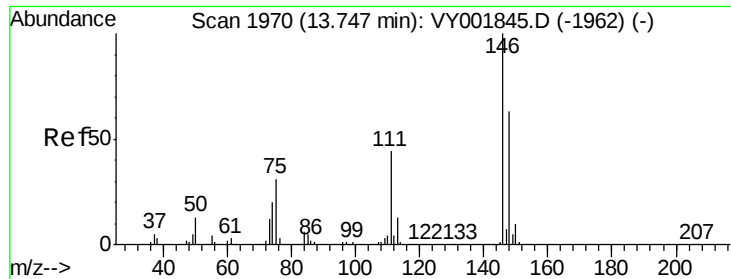
MMDadoda
3/11/2020 3:22:43 PM



#90
Hexachloroethane
Concen: 19.679 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32935		
201	66.9	32.5	97.5	





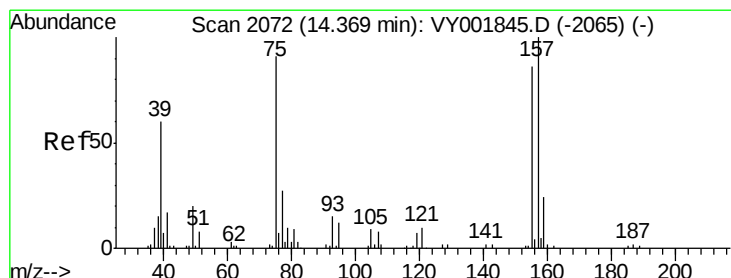
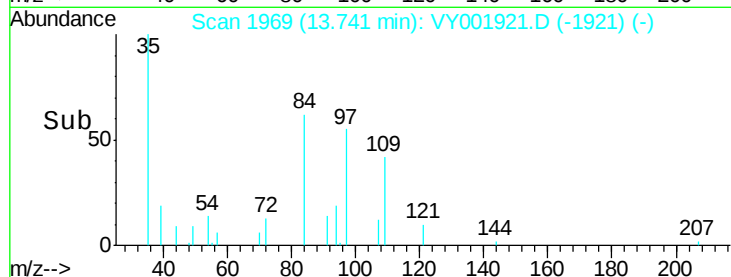
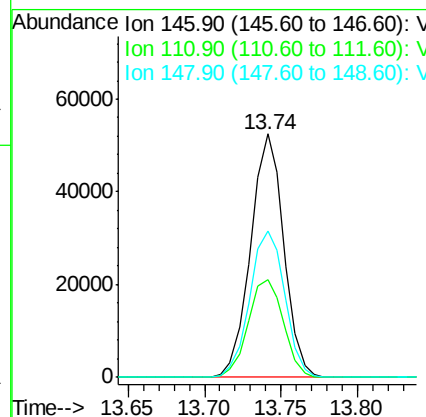
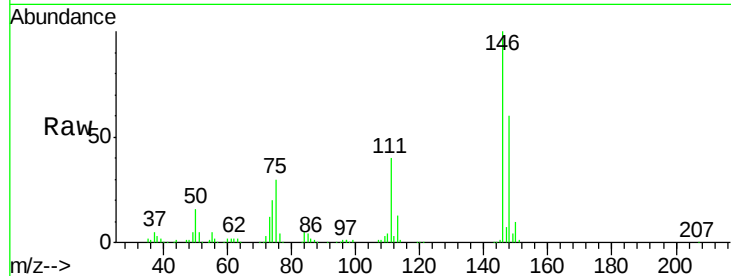
#91
 1,2-Dichlorobenzene
 Concen: 20.540 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.7	32.0	96.0

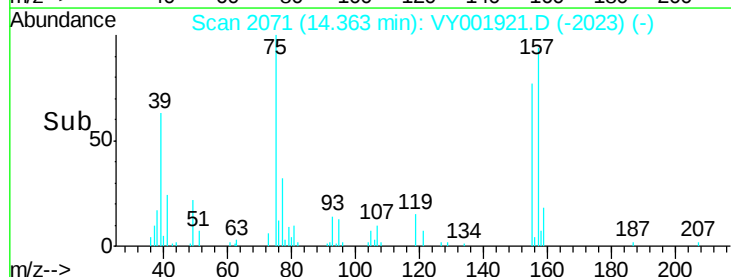
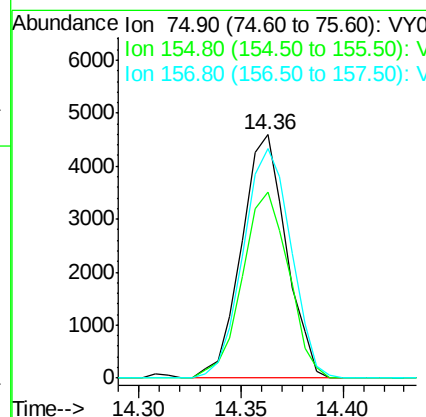
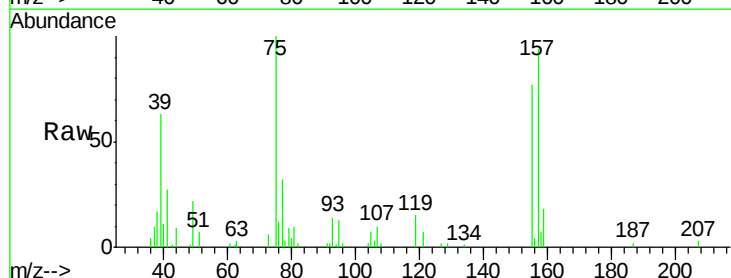
Manual Integrations
 APPROVED

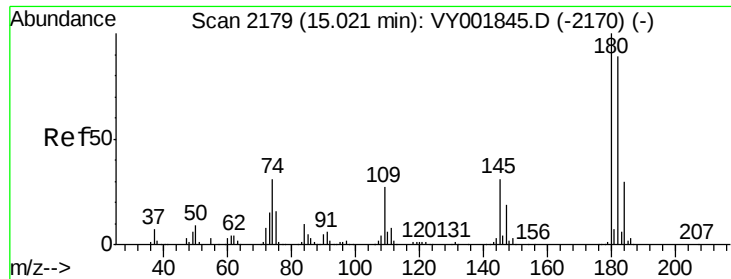
MMDadoda
 3/11/2020 3:22:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.401 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001921.D
 Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	42.9	128.7
157	100.7	53.1	159.4





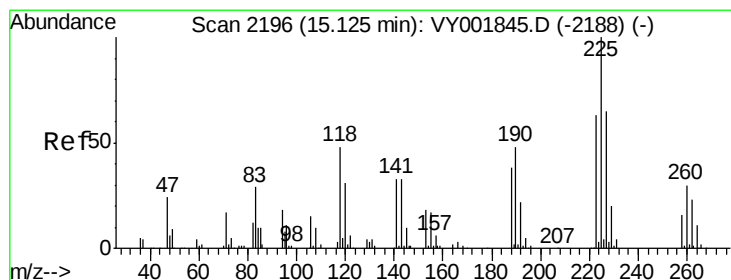
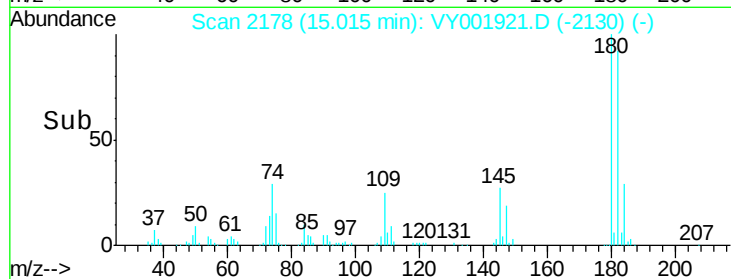
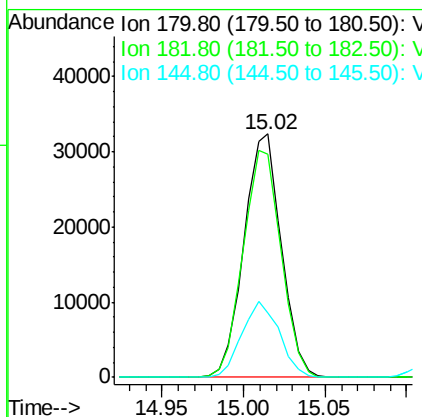
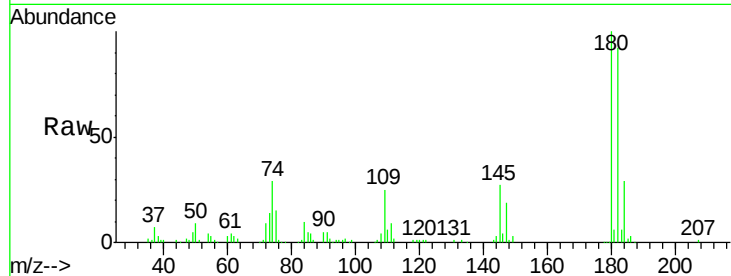
#93
1,2,4-Trichlorobenzene
Concen: 20.648 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.1	138.3
145	31.3	15.6	46.8

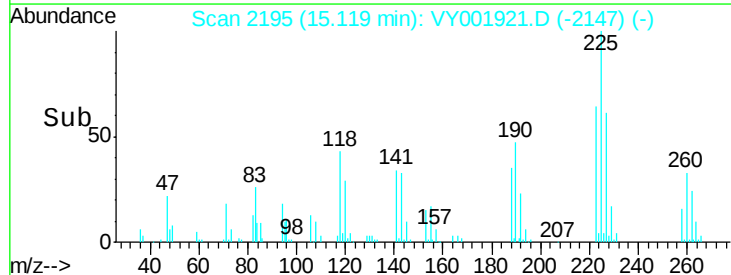
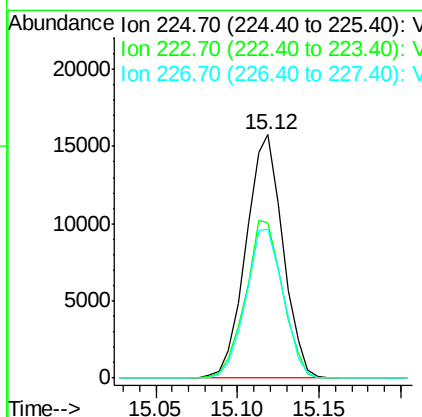
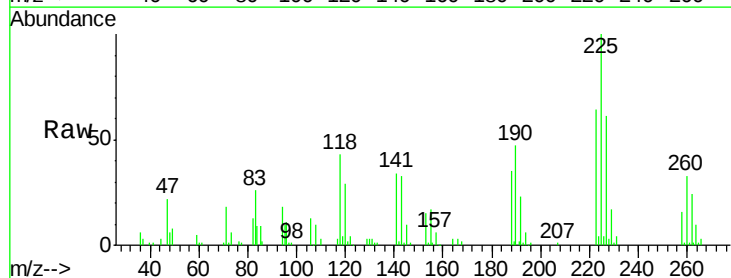
Manual Integrations
APPROVED

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3/11/2020 3:22:43 PM



#94
Hexachlorobutadiene
Concen: 20.318 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.5	94.5
227	62.5	31.9	95.5





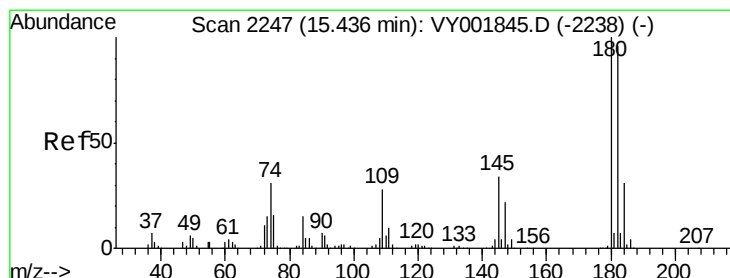
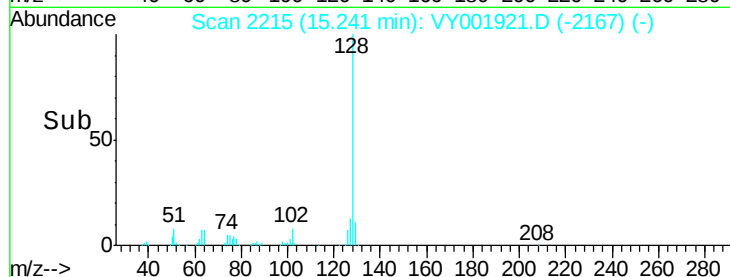
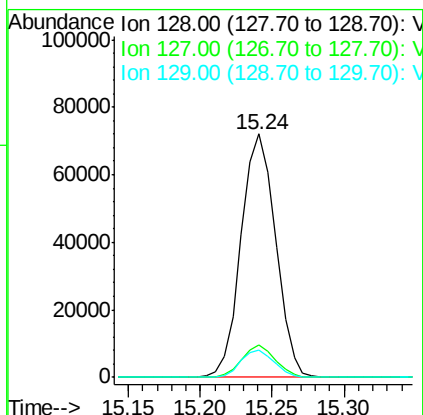
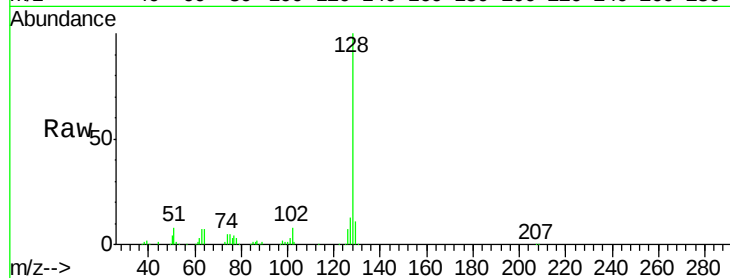
#95
Naphthalene
Concen: 20.268 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Instrument :
MSVOA_Y
ClientSampleId :
VY0310SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	119994		
127	12.9		10.1	15.1
129	11.1		8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.972 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001921.D
Acq: 10 Mar 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46114		
182	91.8		47.6	142.9
145	33.5		16.8	50.3

