

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032020\
 Data File : VY002034.D
 Acq On : 20 Mar 2020 12:09
 Operator : SY/MD
 Sample : VY0320SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

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 3/23/2020 2:21:25 PM

Quant Time: Mar 20 16:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	156063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	283509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88029	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.74	113	83081	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.19	98	335161	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.49	95	118997	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	27480	19.076	ug/l	94
3) Chloromethane	2.12	50	37771	19.447	ug/l	99
4) Vinyl Chloride	2.26	62	39001	19.742	ug/l	96
5) Bromomethane	2.66	94	25725	18.622	ug/l	97
6) Chloroethane	2.80	64	25370	20.443	ug/l	98
7) Trichlorofluoromethane	3.14	101	55537	20.728	ug/l	91
8) Diethyl Ether	3.55	74	22874	21.662	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	36279	21.052	ug/l	99
10) Methyl Iodide	4.11	142	38895	19.517	ug/l	97
11) Tert butyl alcohol	4.97	59	30272	167.113	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	36186	20.855	ug/l	92
13) Acrolein	3.75	56	17866	76.310	ug/l	99
14) Allyl chloride	4.51	41	66474	21.610	ug/l	99
15) Acrylonitrile	5.19	53	59691	105.783	ug/l	99
16) Acetone	3.97	43	51730	106.602	ug/l	100
17) Carbon Disulfide	4.21	76	108137	18.539	ug/l	97
18) Methyl Acetate	4.50	43	27722	22.234	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	102644	21.829	ug/l	97
20) Methylene Chloride	4.74	84	47623	22.899	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	40848	20.741	ug/l	97
22) Diisopropyl ether	6.15	45	140651	22.306	ug/l	94
23) Vinyl Acetate	6.09	43	448754	108.562	ug/l	99
24) 1,1-Dichloroethane	6.05	63	73776	21.606	ug/l	98
25) 2-Butanone	7.01	43	80726	109.392	ug/l	100
26) 2,2-Dichloropropane	7.00	77	61746	22.032	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	46852	21.870	ug/l	99
28) Bromochloromethane	7.35	49	34035	22.114	ug/l	97
29) Tetrahydrofuran	7.37	42	51725	105.551	ug/l	99
30) Chloroform	7.53	83	70649	22.022	ug/l	100
31) Cyclohexane	7.80	56	74143	20.251	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59453	21.988	ug/l	98
36) 1,1-Dichloropropene	7.94	75	57969	21.248	ug/l	98
37) Ethyl Acetate	7.10	43	35546	22.417	ug/l	98
38) Carbon Tetrachloride	7.92	117	49073	21.056	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	73352	20.271	ug/l	97
40) Benzene	8.18	78	170400	21.072	ug/l	99
41) Methacrylonitrile	7.33	41	18662m	26.152	ug/l	
42) 1,2-Dichloroethane	8.25	62	46539	22.334	ug/l	99
43) Isopropyl Acetate	8.29	43	66724	22.226	ug/l	97
44) Trichloroethene	8.96	130	41706	21.177	ug/l	100
45) 1,2-Dichloropropane	9.24	63	44577	21.929	ug/l	99
46) Dibromomethane	9.32	93	22322	21.309	ug/l	98
47) Bromodichloromethane	9.51	83	53092	21.788	ug/l	99
48) Methyl methacrylate	9.31	41	28867	21.670	ug/l	96
49) 1,4-Dioxane	9.32	88	6054	421.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	179115	115.836	ug/l	99
52) Toluene	10.25	92	104556	21.284	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	58157	21.906	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	68945	21.815	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32593	21.260	ug/l	98
56) Ethyl methacrylate	10.52	69	48746	21.693	ug/l	93
57) 1,3-Dichloropropane	10.80	76	58565	21.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	126228	147.512	ug/l	99
59) 2-Hexanone	10.85	43	118477	107.349	ug/l	99
60) Dibromochloromethane	11.00	129	35093	21.723	ug/l	99
61) 1,2-Dibromoethane	11.10	107	31018	21.359	ug/l	98
64) Tetrachloroethene	10.73	164	34682	21.895	ug/l	88
65) Chlorobenzene	11.52	112	106690	21.199	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36005	21.816	ug/l	98
67) Ethyl Benzene	11.60	91	202541	21.579	ug/l	96
68) m/p-Xylenes	11.71	106	150654	43.414	ug/l	99
69) o-Xylene	12.03	106	71394	21.828	ug/l	100
70) Styrene	12.05	104	121864	21.754	ug/l	99
71) Bromoform	12.22	173	19274	21.534	ug/l #	99
73) Isopropylbenzene	12.34	105	191011	20.880	ug/l	100
74) N-amyl acetate	12.15	43	59053	21.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41120	20.844	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31738m	22.320	ug/l	
77) Bromobenzene	12.62	156	41049	21.179	ug/l	99
78) n-propylbenzene	12.68	91	236663	20.970	ug/l	99
79) 2-Chlorotoluene	12.77	91	132090	21.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	161480	21.442	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14224	20.206	ug/l	95
82) 4-Chlorotoluene	12.86	91	139973	21.560	ug/l	99
83) tert-Butylbenzene	13.08	119	134420	21.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	160228	21.438	ug/l	100
85) sec-Butylbenzene	13.26	105	198274	21.505	ug/l	99
86) p-Isopropyltoluene	13.38	119	173877	21.862	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	81492	21.456	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	81675	21.198	ug/l	99
89) n-Butylbenzene	13.70	91	177200	21.475	ug/l	99
90) Hexachloroethane	13.97	117	32235	21.484	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	74095	21.474	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6450	20.953	ug/l	94

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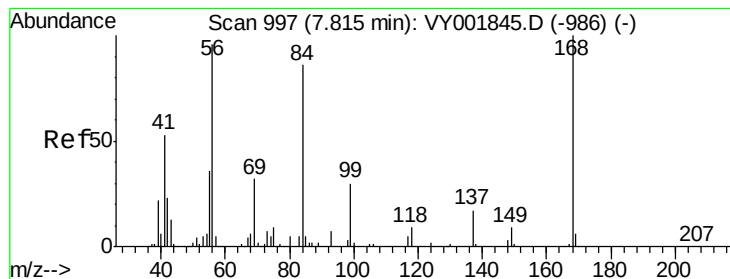
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48952	21.876	ug/l	99
94) Hexachlorobutadiene	15.12	225	23813	21.828	ug/l	99
95) Naphthalene	15.25	128	110529	20.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	42760	21.692	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion:168 Resp: 156063

Ion Ratio Lower Upper

168 100

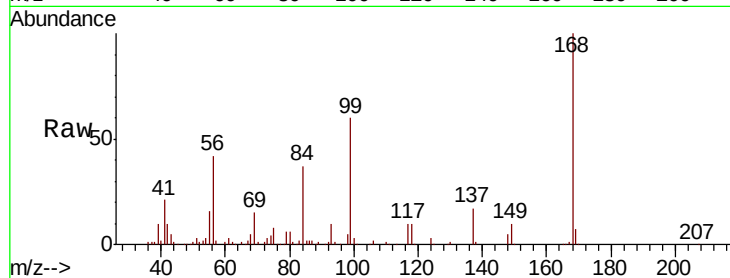
99 60.0 46.7 70.1

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) (-)

7.81

60000

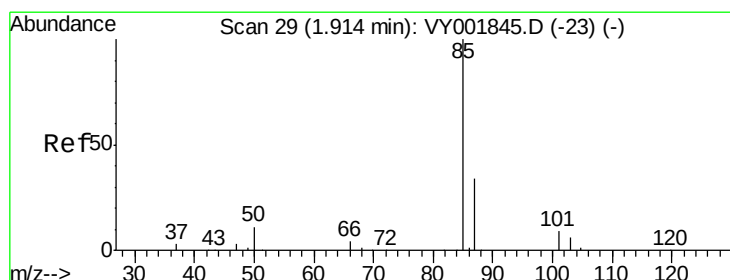
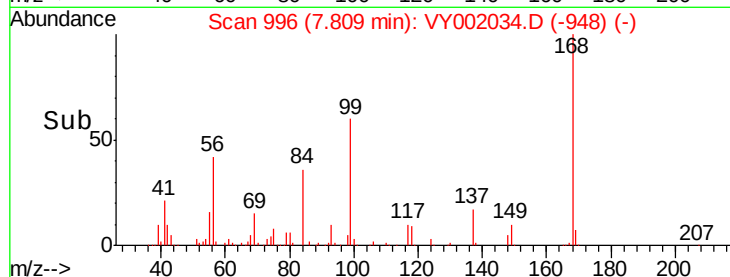
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.076 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002034.D

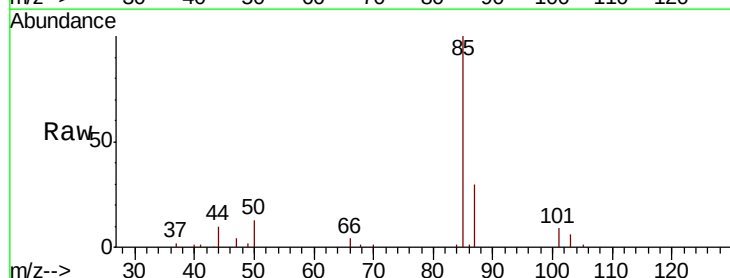
Acq: 20 Mar 2020 12:09

Tgt Ion: 85 Resp: 27480

Ion Ratio Lower Upper

85 100

87 30.4 16.8 50.4



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

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

1.91

20000

15000

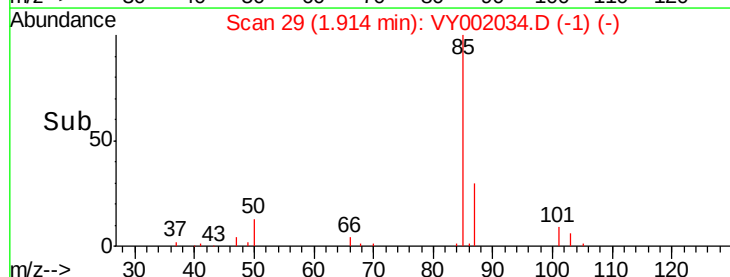
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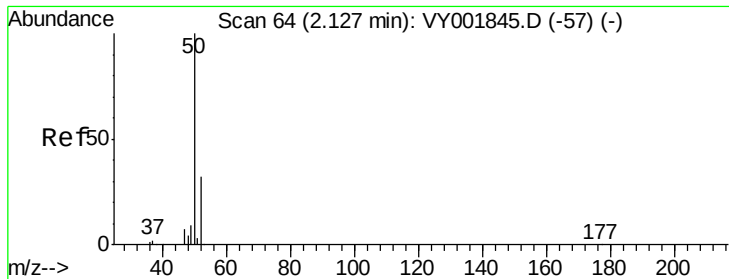
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.447 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 50 Resp: 37771

Ion Ratio Lower Upper

50 100

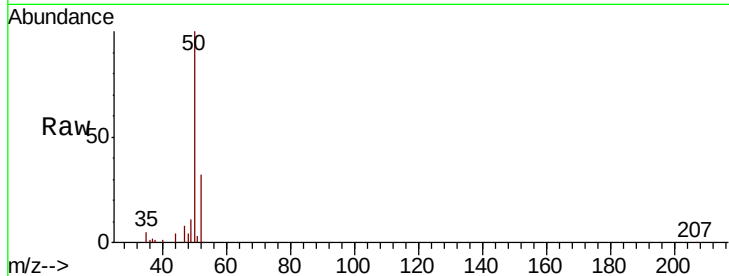
52 31.5 25.8 38.6

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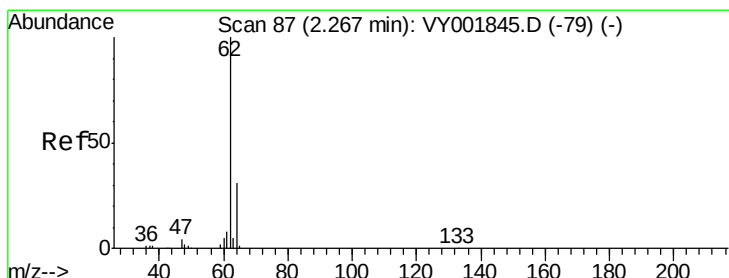
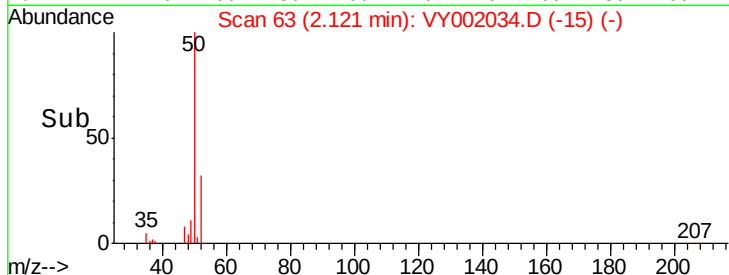
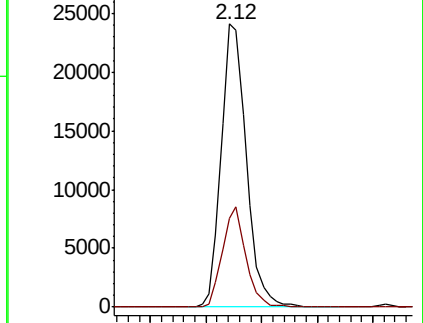
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.742 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002034.D

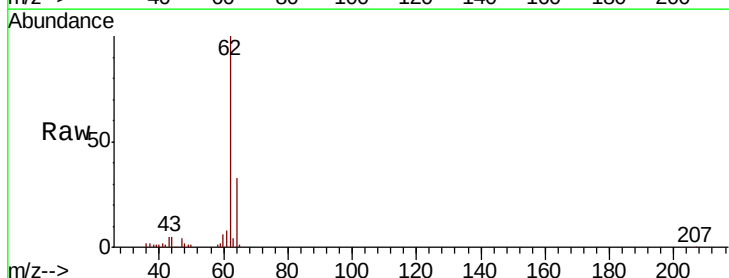
Acq: 20 Mar 2020 12:09

Tgt Ion: 62 Resp: 39001

Ion Ratio Lower Upper

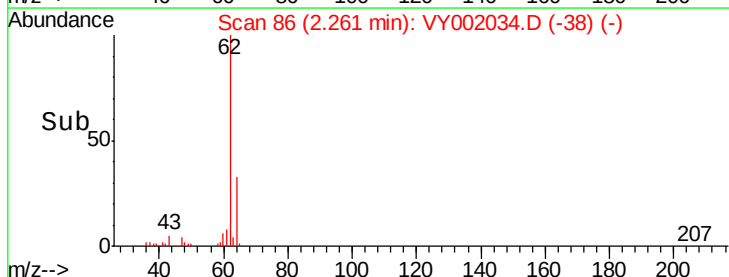
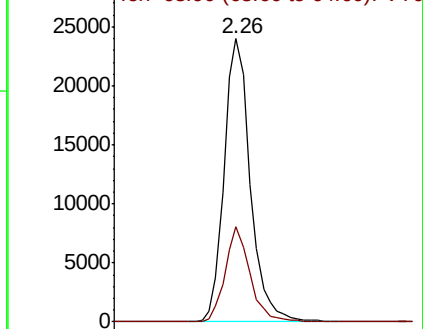
62 100

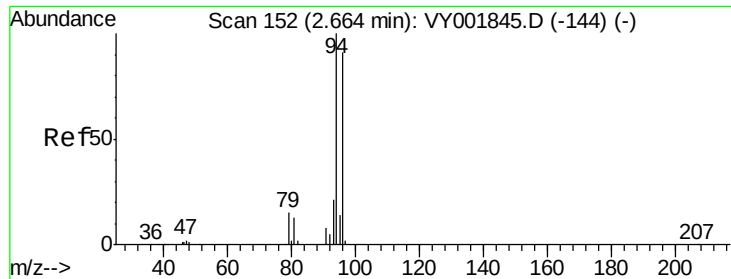
64 33.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.622 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 94 Resp: 25725

Ion Ratio Lower Upper

94 100

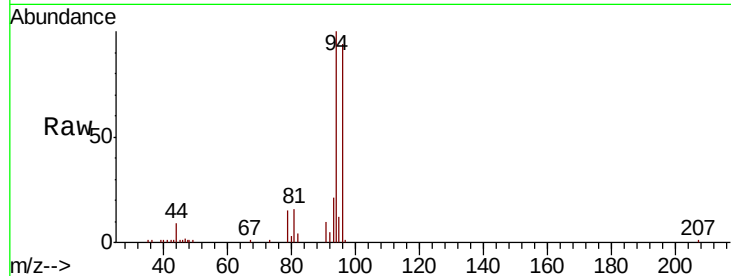
96 94.3 73.2 109.8

Manual Integrations

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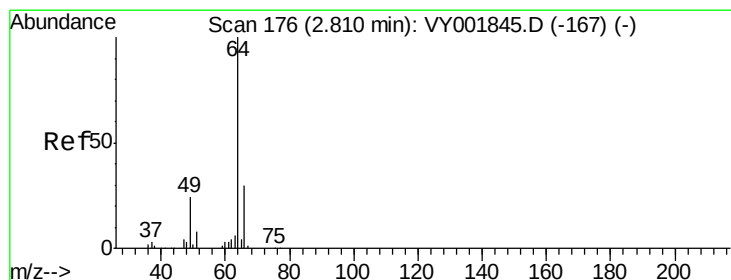
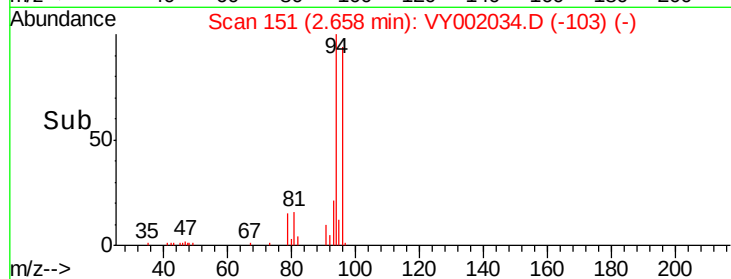
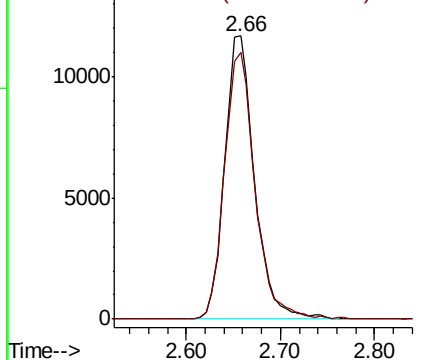
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.443 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002034.D

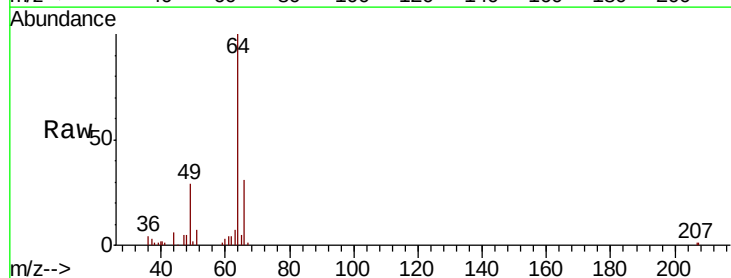
Acq: 20 Mar 2020 12:09

Tgt Ion: 64 Resp: 25370

Ion Ratio Lower Upper

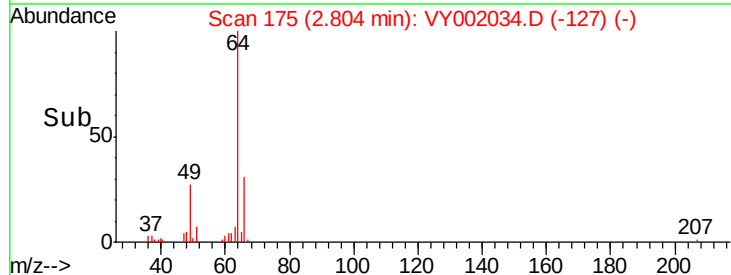
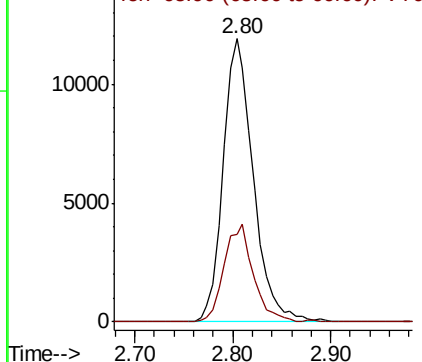
64 100

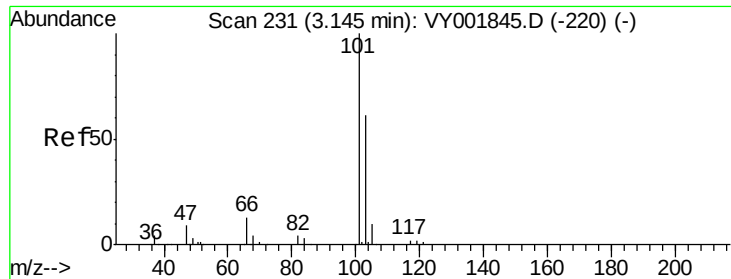
66 30.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

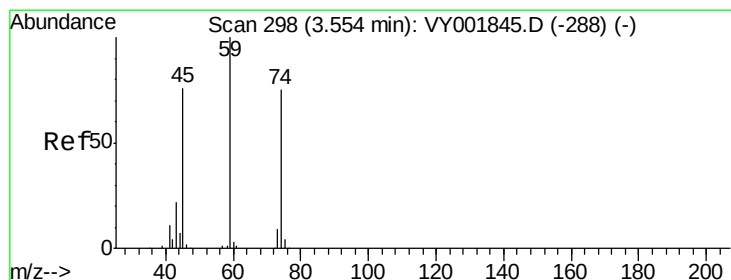
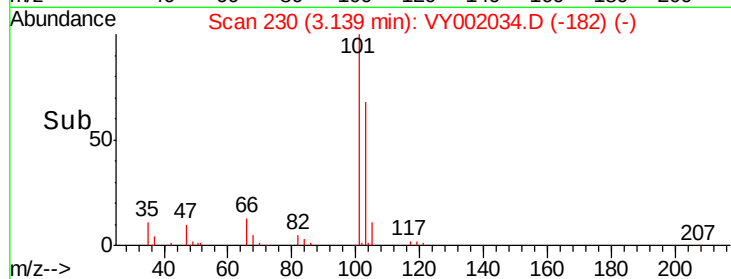
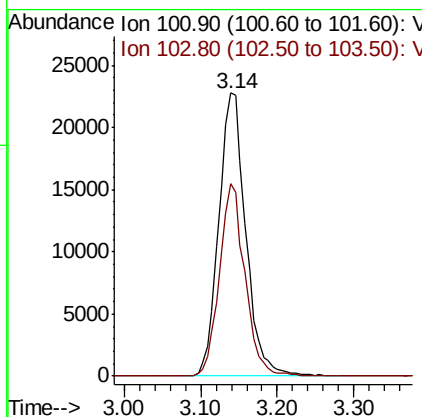
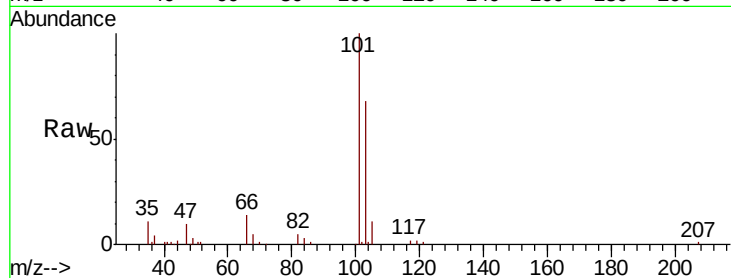
Trichlorofluoromethane
 Concen: 20.728 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
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 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	49.1	73.7

Manual Integrations
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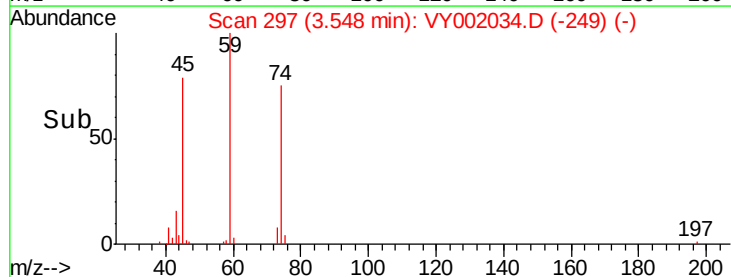
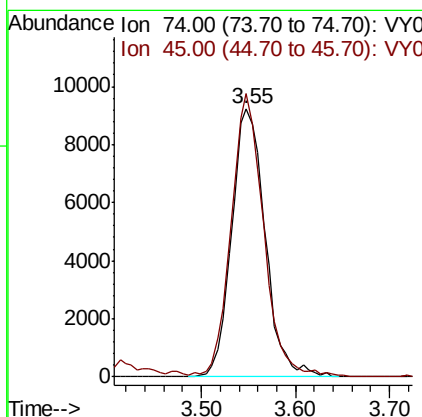
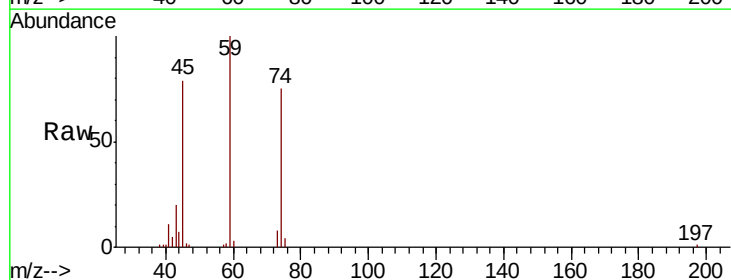
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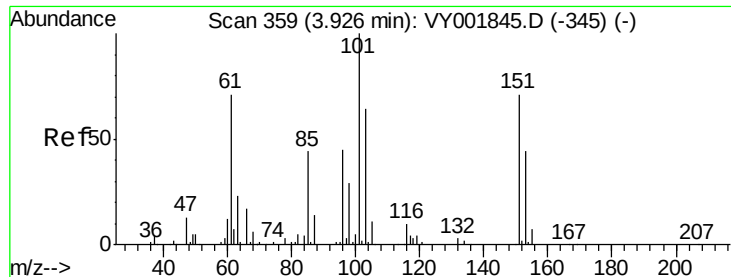


#8

Diethyl Ether
 Concen: 21.662 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.052 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

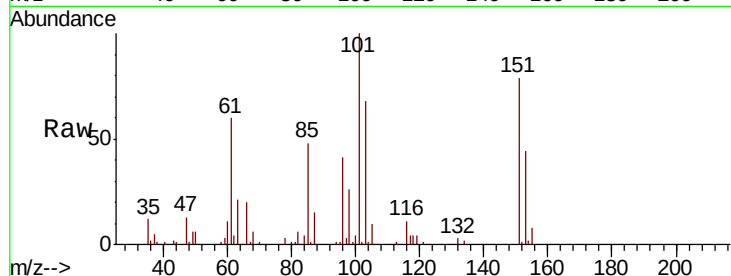
ClientSampleId :

VY0320SBS01

Tot Ion:	101	Resp:	36279
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.3	52.9
151	72.8	57.0	85.4

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3/23/2020 2:21:25 PM

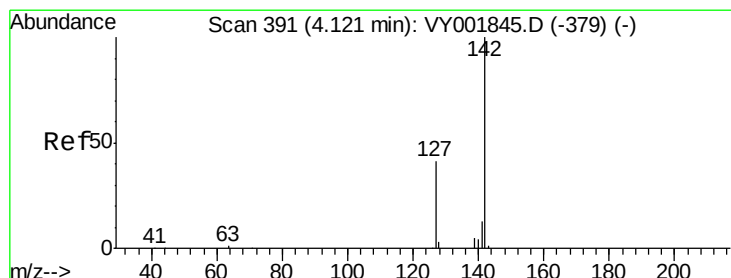
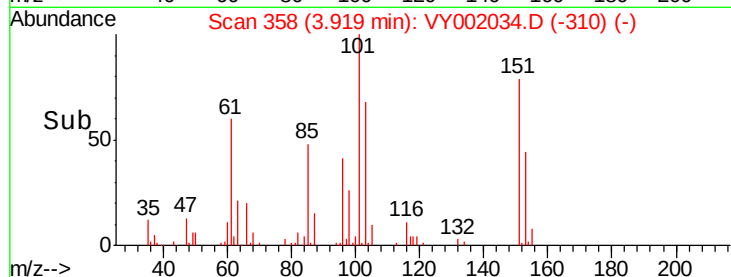
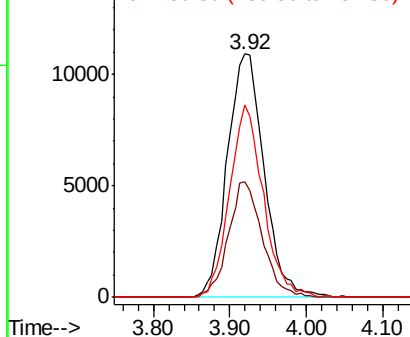


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.517 ug/l

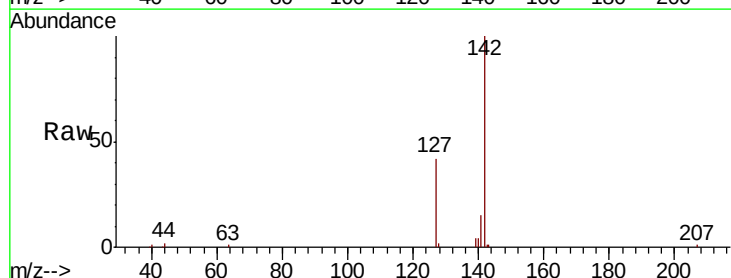
RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion:	142	Resp:	38895
Ion Ratio	Lower	Upper	
142	100		
127	43.1	32.7	49.1
141	14.3	11.0	16.6

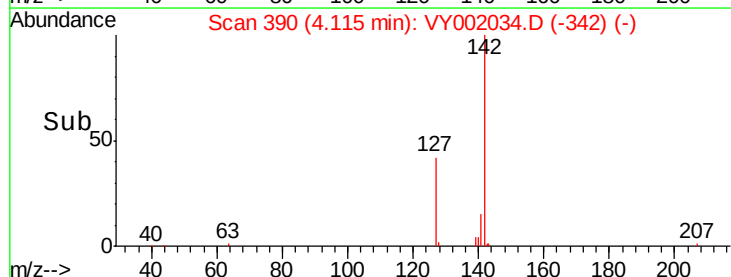
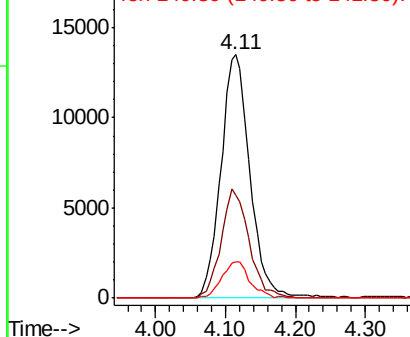


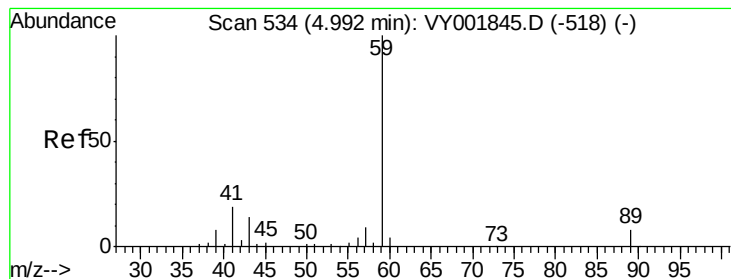
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

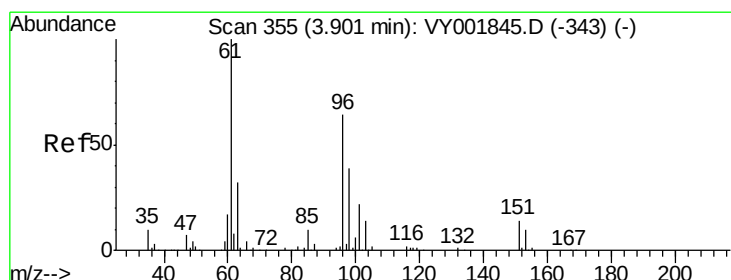
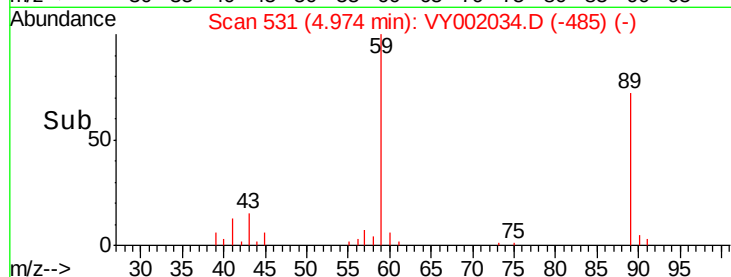
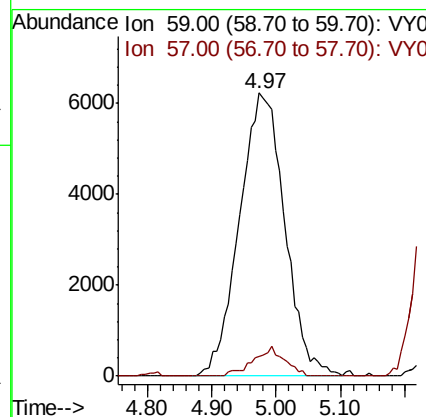
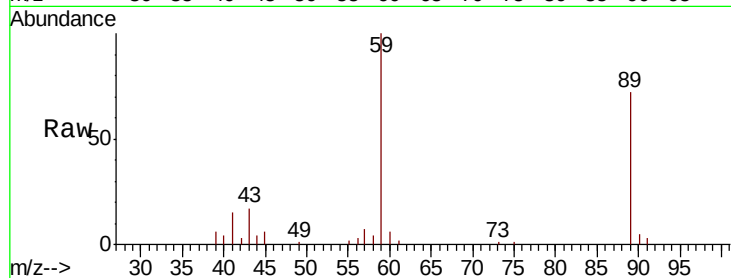
Tert butyl alcohol
 Concen: 167.113 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion: 59 Resp: 30272
 Ion Ratio Lower Upper
 59 100
 57 7.1 7.4 11.2#

Manual Integrations
 APPROVED

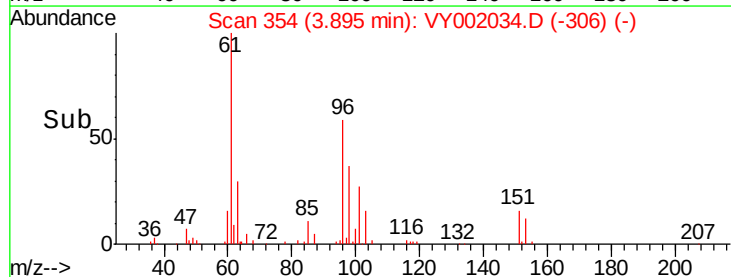
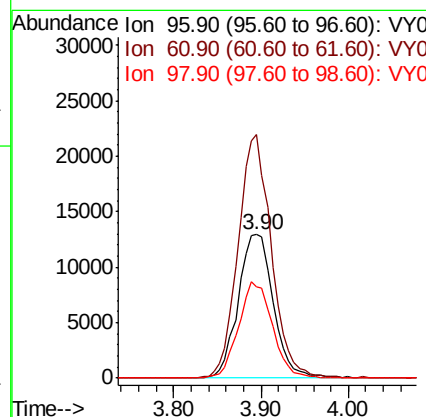
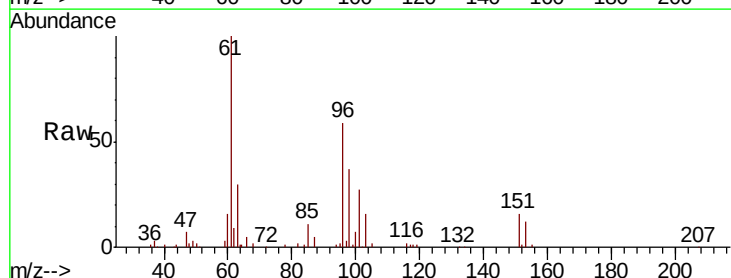
MMDadoda
 3/23/2020 2:21:25 PM

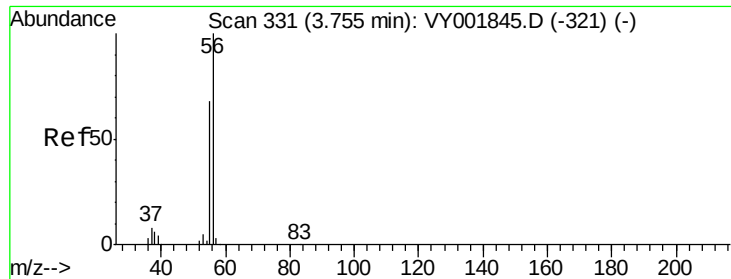


#12

1,1-Dichloroethene
 Concen: 20.855 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion: 96 Resp: 36186
 Ion Ratio Lower Upper
 96 100
 61 169.5 124.8 187.2
 98 63.1 49.2 73.8





#13

Acrolein

Concen: 76.310 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 56 Resp: 17866

Ion Ratio Lower Upper

56 100

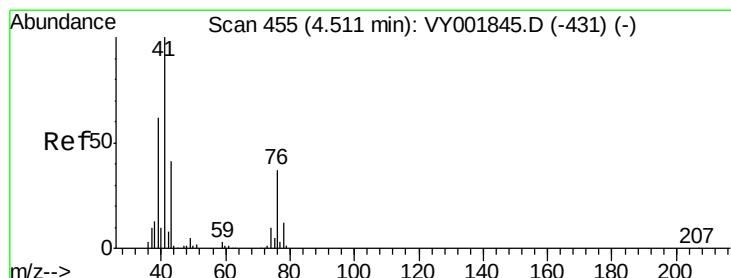
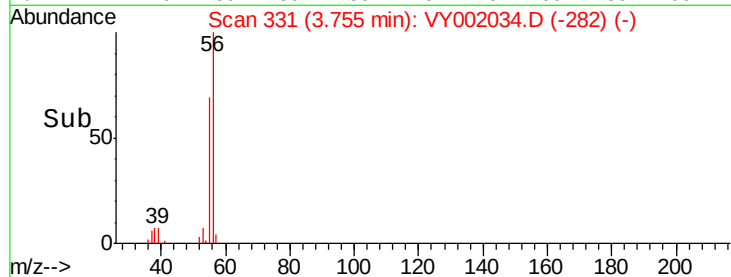
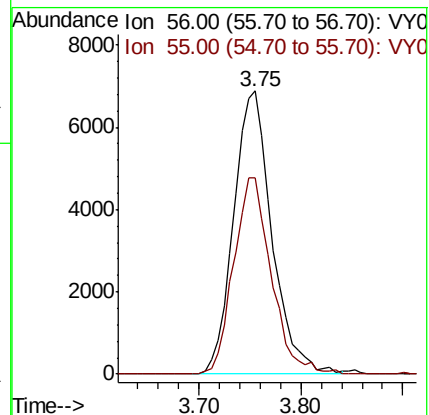
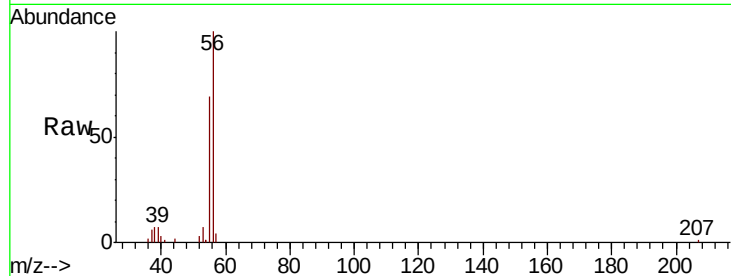
55 68.4 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 21.610 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

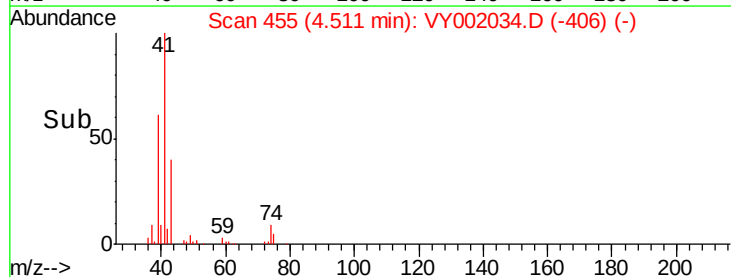
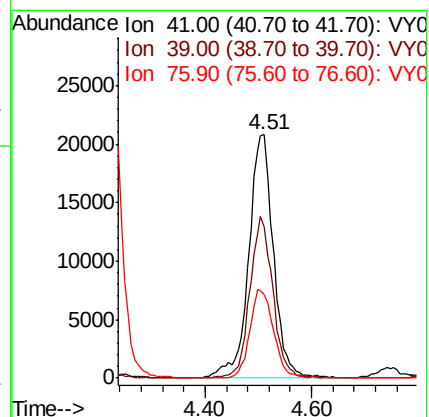
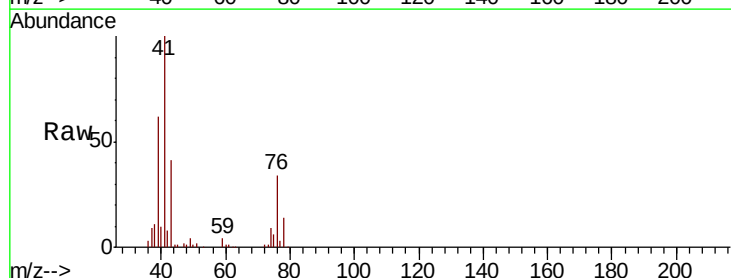
Tgt Ion: 41 Resp: 66474

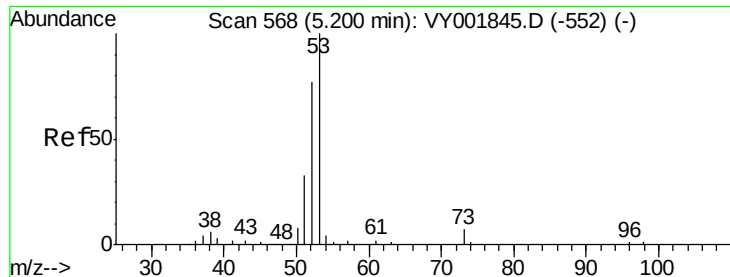
Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.6

76 34.5 28.9 43.3





#15

Acrylonitrile

Concen: 105.783 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

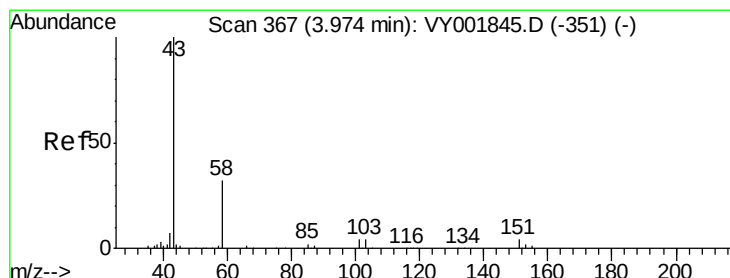
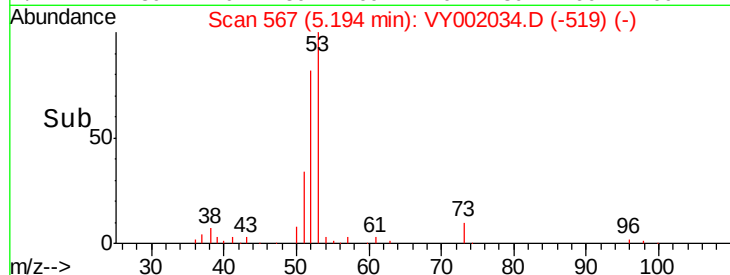
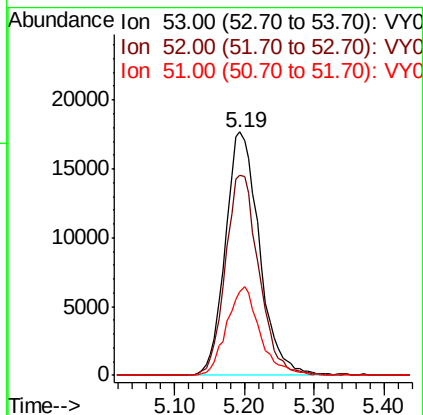
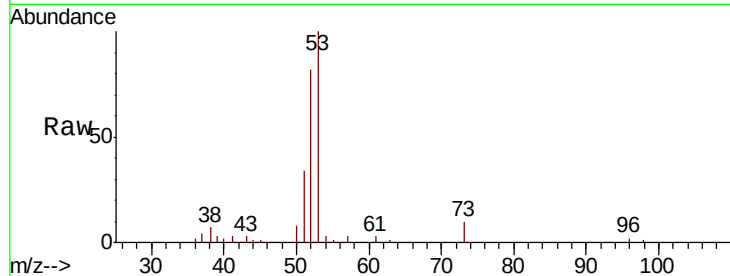
ClientSampleId :

VY0320SBS01

Tot Ion:	53	Resp:	59691
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.1	97.7
51	35.7	27.5	41.3

Manual Integrations
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3/23/2020 2:21:25 PM



#16

Acetone

Concen: 106.602 ug/l

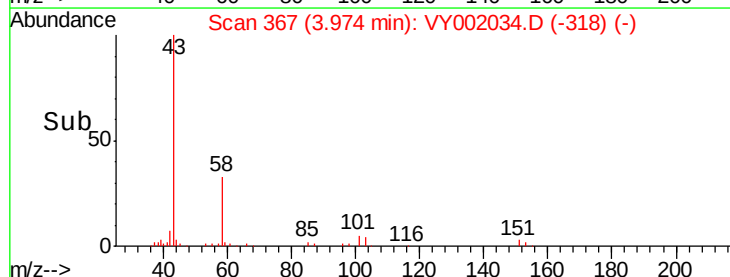
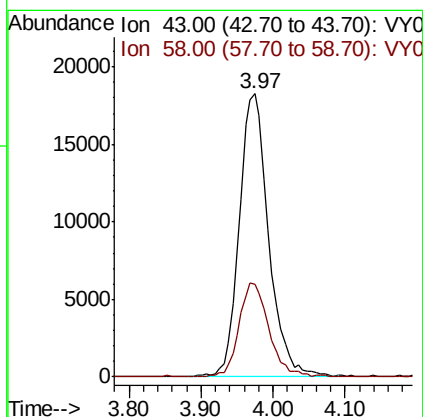
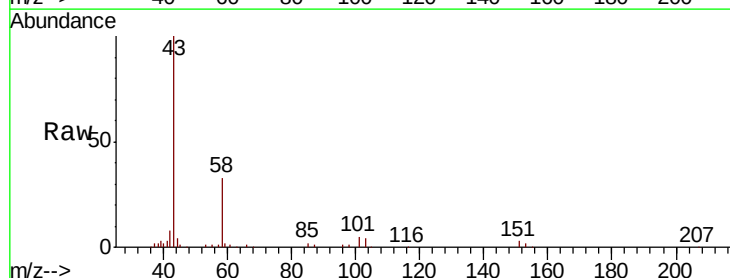
RT: 3.97 min Scan# 367

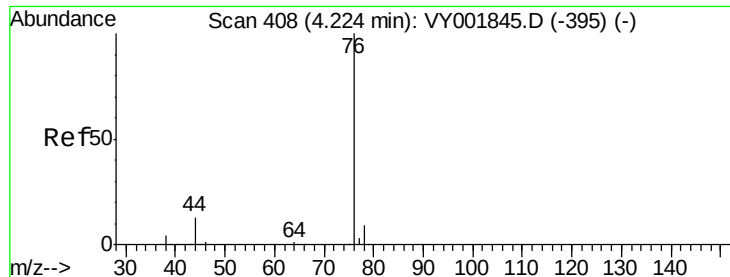
Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion:	43	Resp:	51730
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.9	38.9





#17

Carbon Disulfide

Concen: 18.539 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 76 Resp: 108137

Ion Ratio Lower Upper

76 100

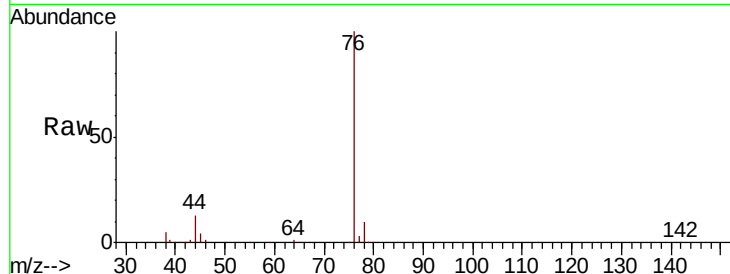
78 10.4 7.4 11.2

Manual Integrations

APPROVED

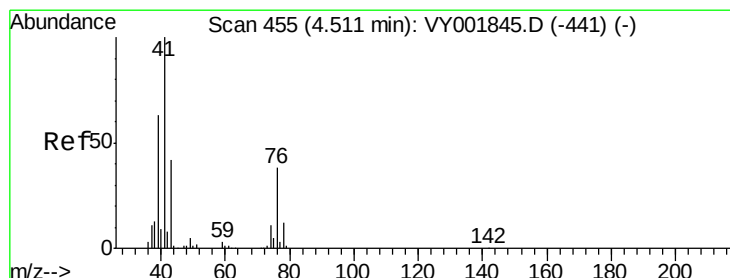
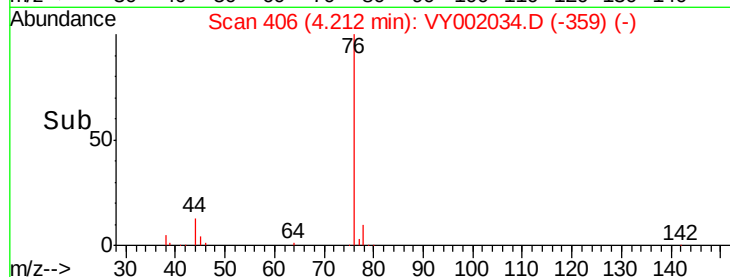
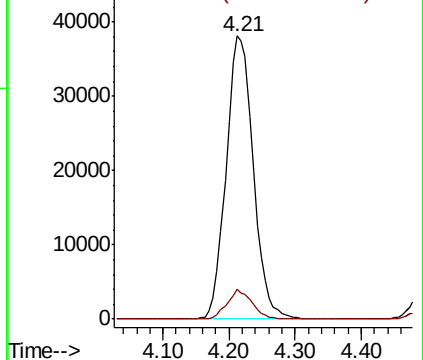
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 22.234 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002034.D

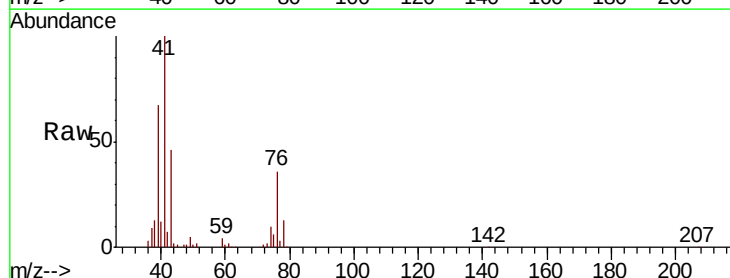
Acq: 20 Mar 2020 12:09

Tgt Ion: 43 Resp: 27722

Ion Ratio Lower Upper

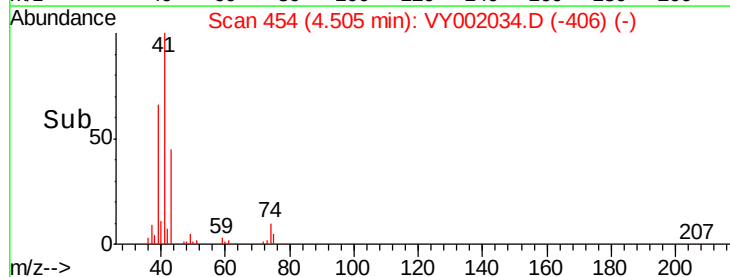
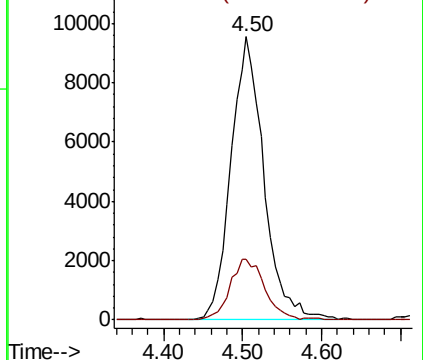
43 100

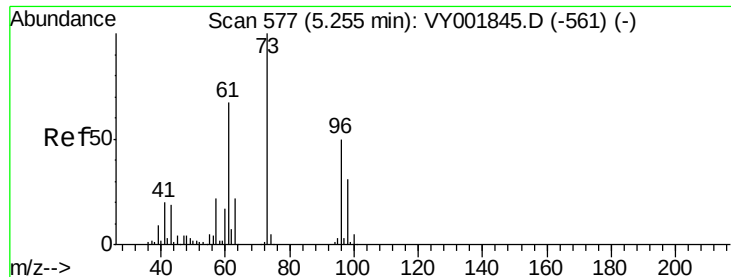
74 22.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





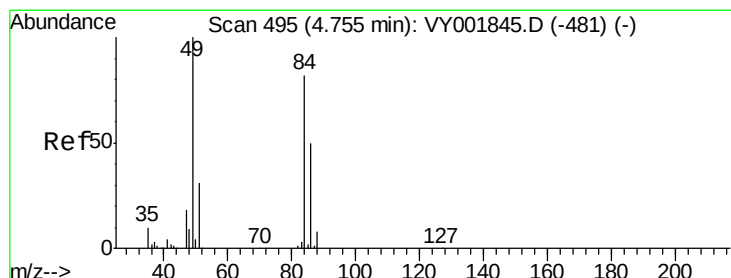
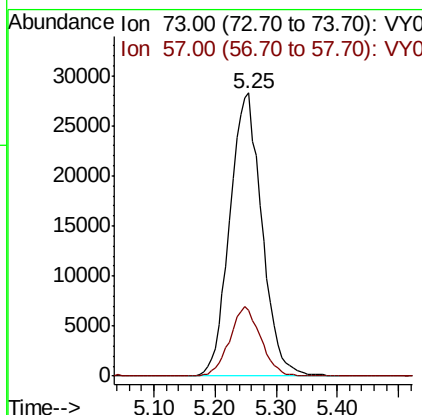
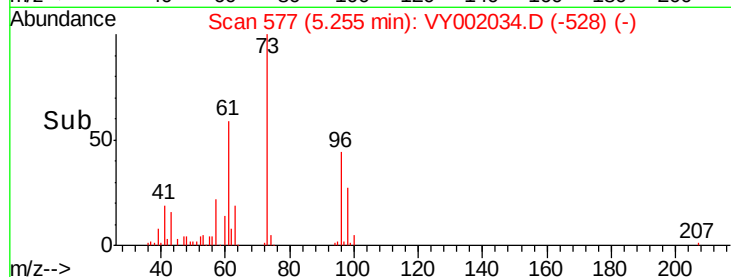
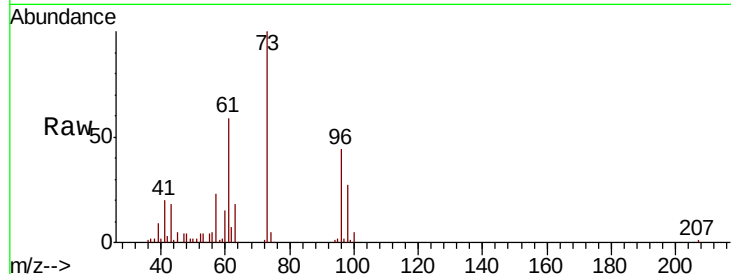
#19
Methyl tert-butyl Ether
Concen: 21.829 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion: 73 Resp: 102644
Ion Ratio Lower Upper
73 100
57 23.1 17.4 26.2

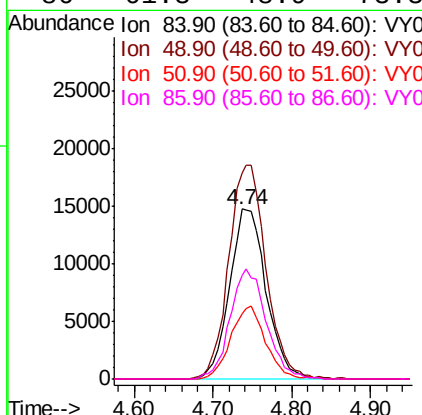
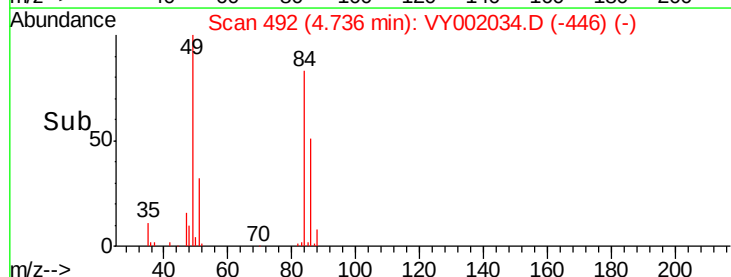
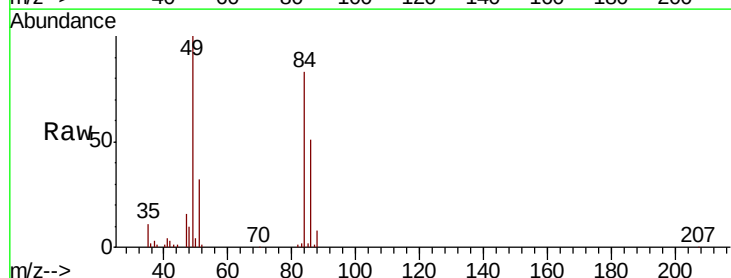
Manual Integrations
APPROVED

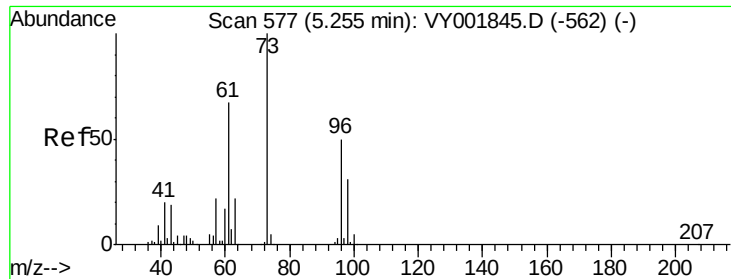
MMDadoda
3/23/2020 2:21:25 PM



#20
Methylene Chloride
Concen: 22.899 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion: 84 Resp: 47623
Ion Ratio Lower Upper
84 100
49 121.1 98.2 147.2
51 38.5 30.2 45.2
86 61.3 48.9 73.3





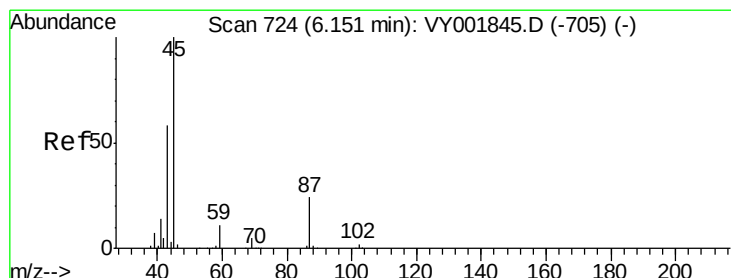
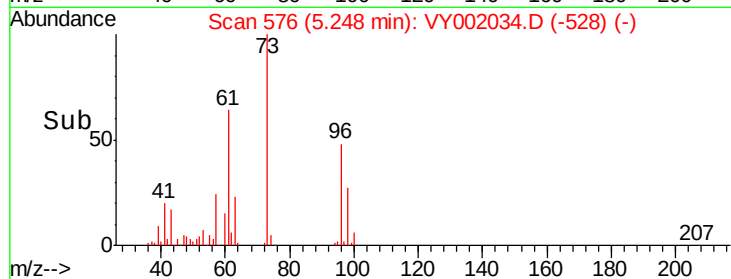
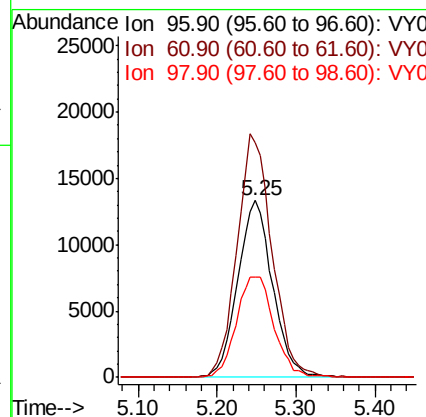
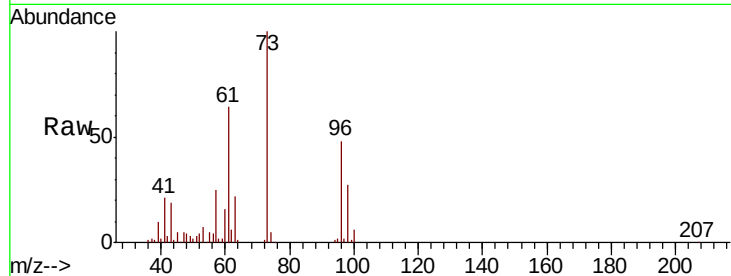
#21
trans-1,2-Dichloroethene
Concen: 20.741 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	107.7	161.5
98	56.8	49.3	73.9

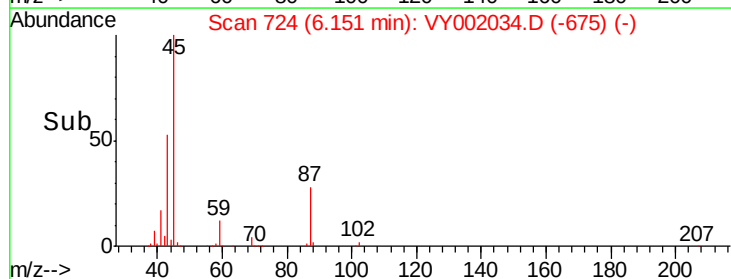
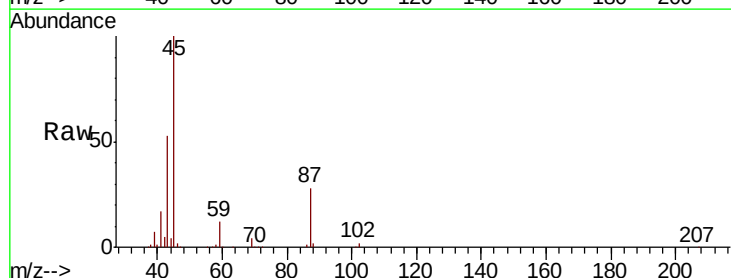
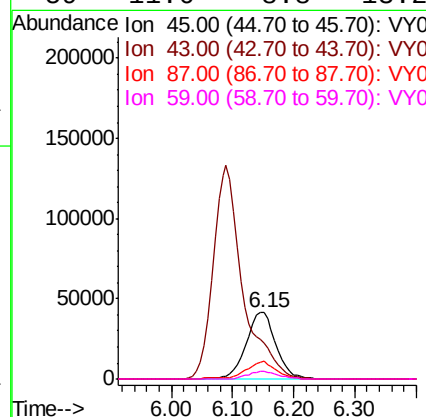
Manual Integrations
APPROVED

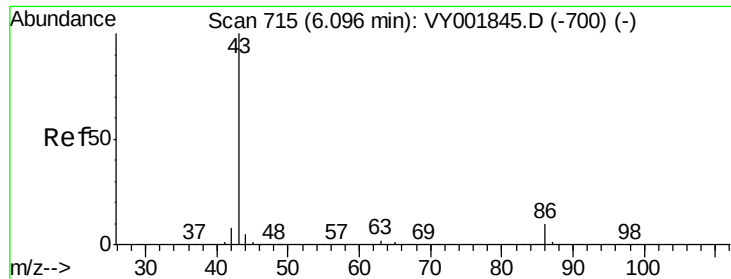
MMDadoda
3/23/2020 2:21:25 PM



#22
Diisopropyl ether
Concen: 22.306 ug/l
RT: 6.15 min Scan# 724
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.1	47.2	70.8
87	27.5	19.8	29.8
59	11.6	8.8	13.2





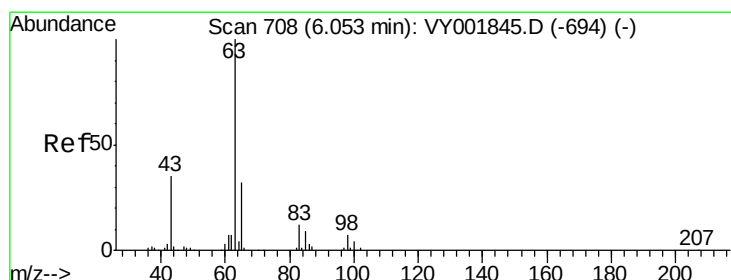
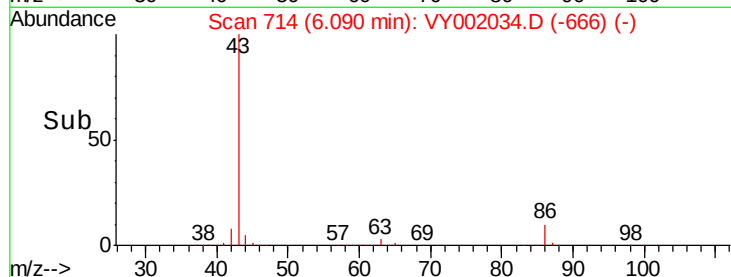
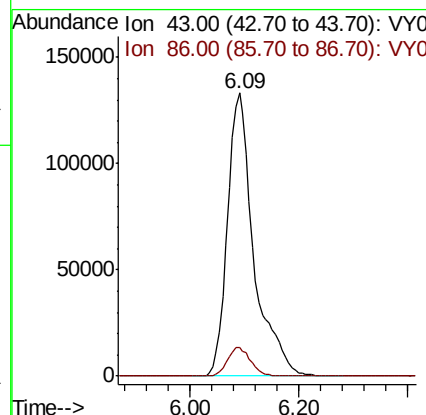
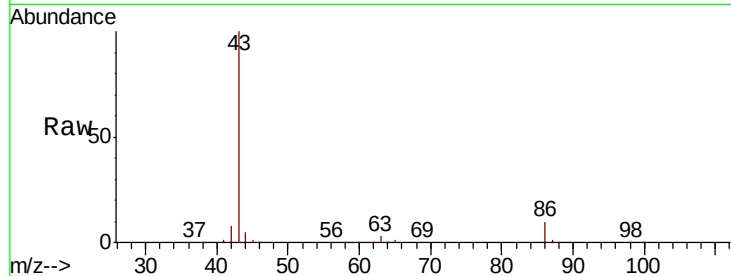
#23
 Vinyl Acetate
 Concen: 108.562 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	43	Resp	448754
Ion Ratio	100	Lower	Upper
43	100		
86	10.2	7.8	11.8

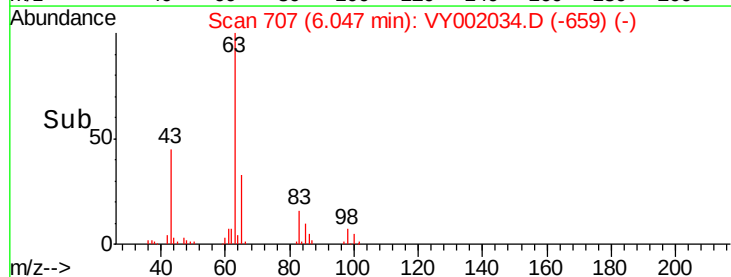
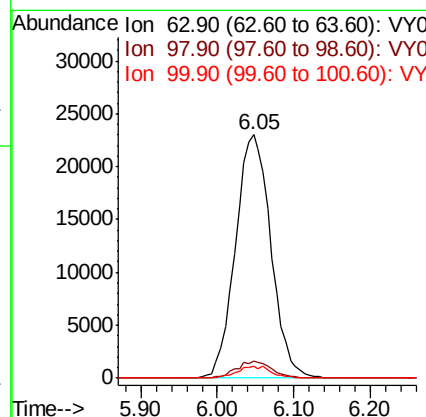
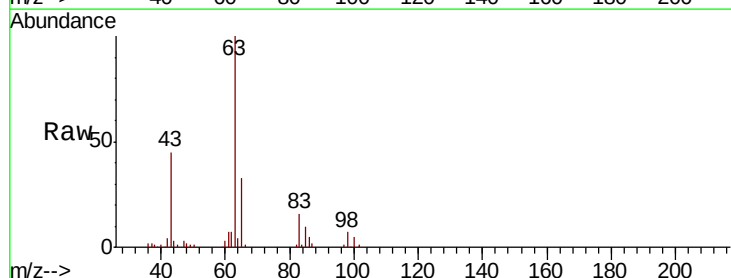
Manual Integrations
 APPROVED

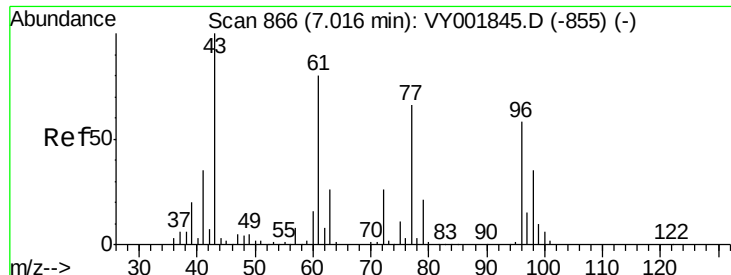
MMDadoda
 3/23/2020 2:21:25 PM



#24
 1,1-Dichloroethane
 Concen: 21.606 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	63	Resp	73776
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.4	10.2
100	4.8	2.0	6.0





#25

2-Butanone

Concen: 109.392 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 43 Resp: 80726

Ion Ratio Lower Upper

43 100

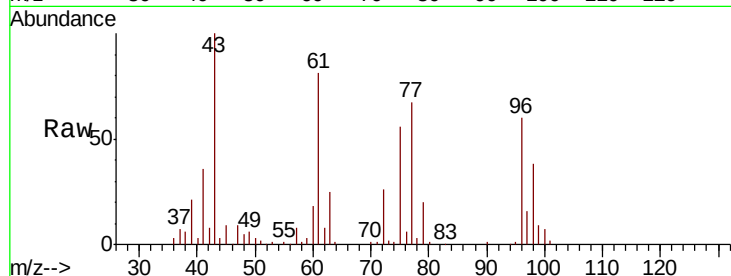
72 26.2 20.9 31.3

Manual Integrations

APPROVED

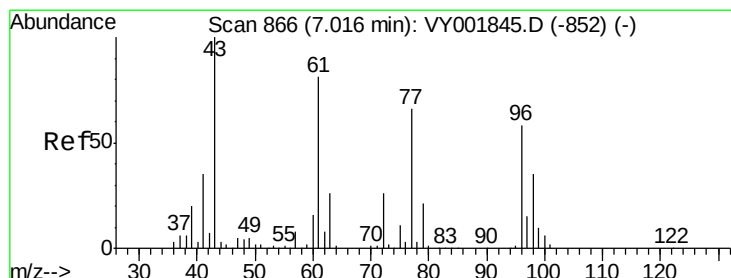
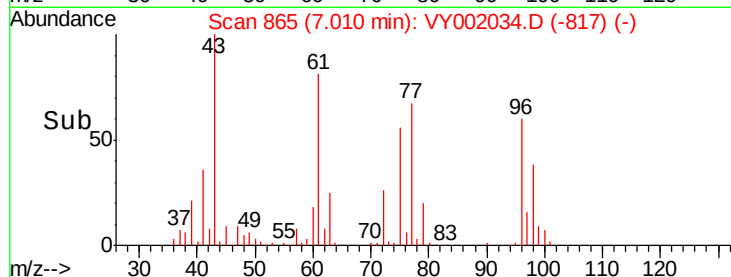
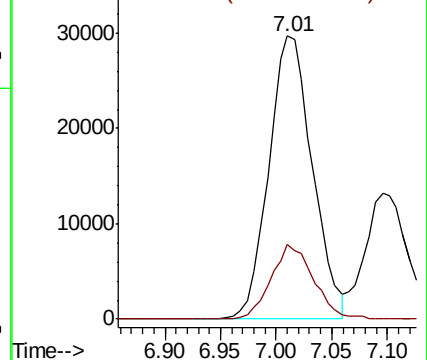
MMDadoda

3/23/2020 2:21:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 22.032 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002034.D

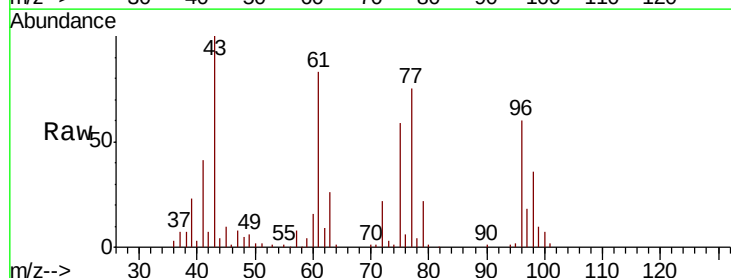
Acq: 20 Mar 2020 12:09

Tgt Ion: 77 Resp: 61746

Ion Ratio Lower Upper

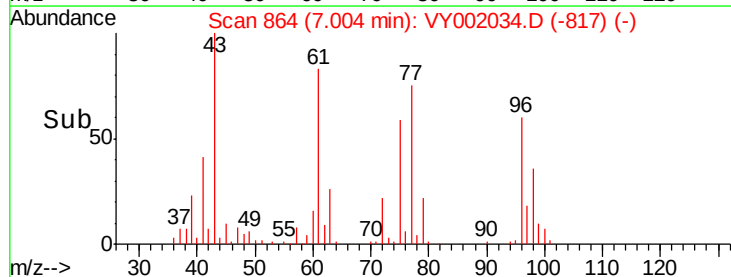
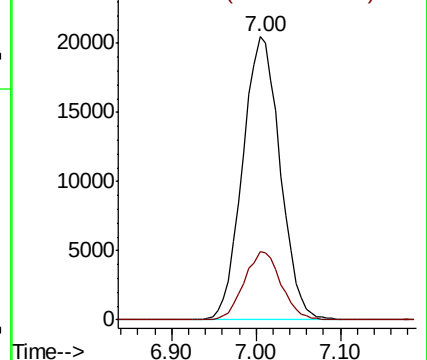
77 100

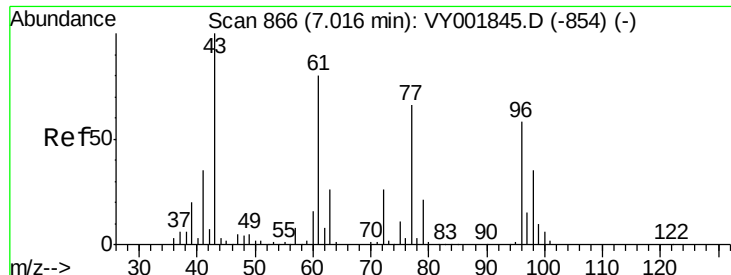
97 23.6 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





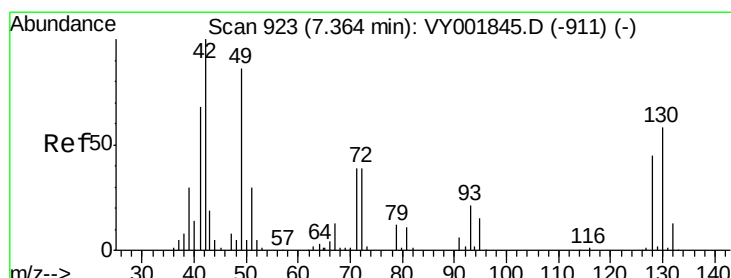
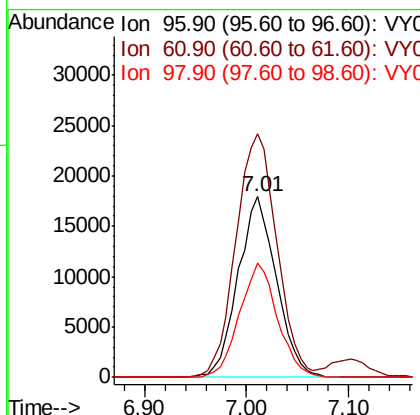
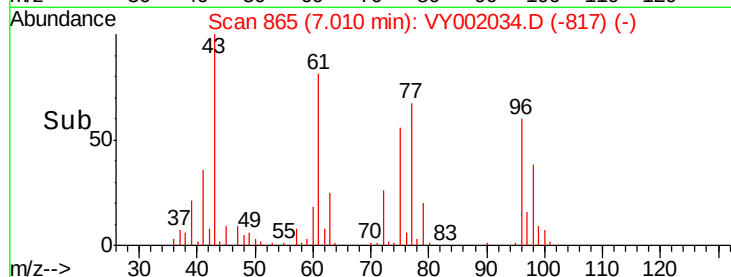
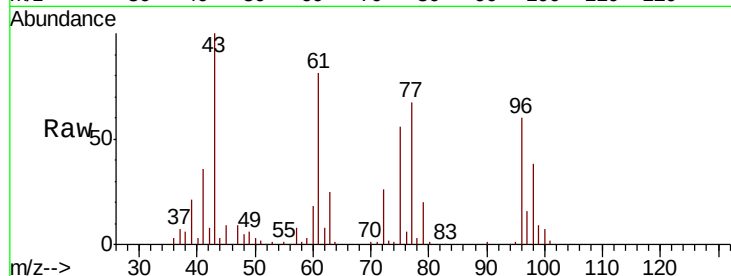
#27
 cis-1,2-Dichloroethene
 Concen: 21.870 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	288.2
98	62.7	0.0	129.0

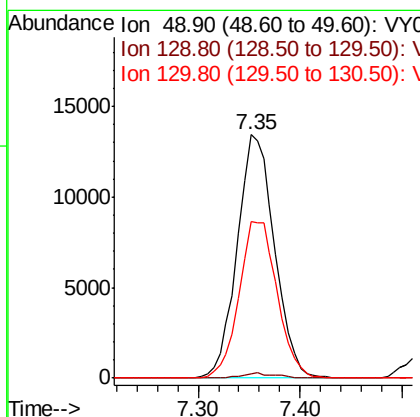
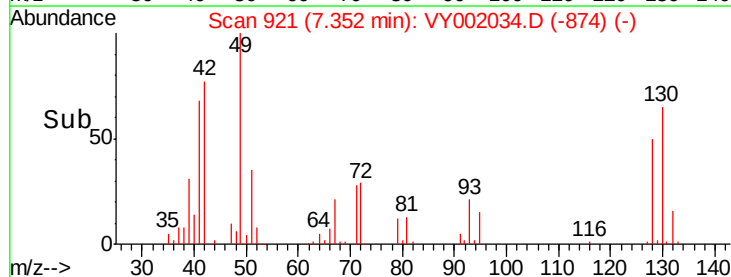
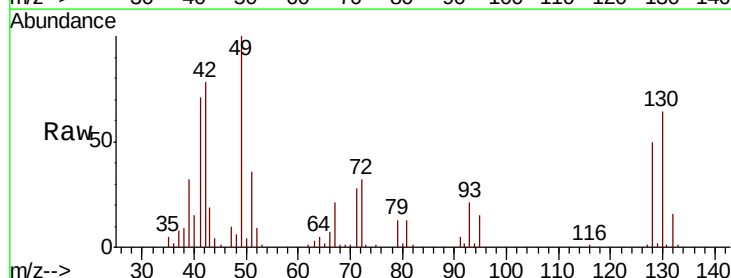
Manual Integrations
 APPROVED

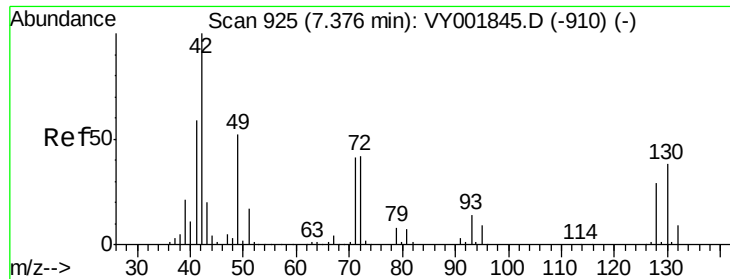
MMDadoda
 3/23/2020 2:21:25 PM



#28
 Bromochloromethane
 Concen: 22.114 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	65.8	54.4	81.6





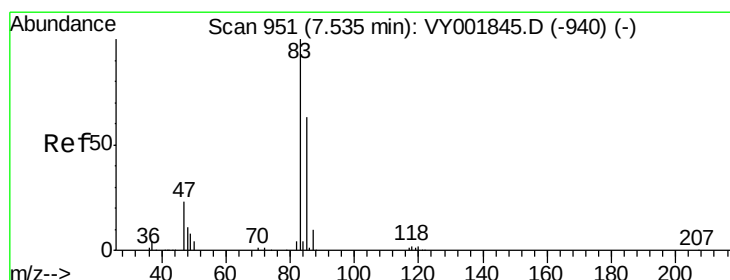
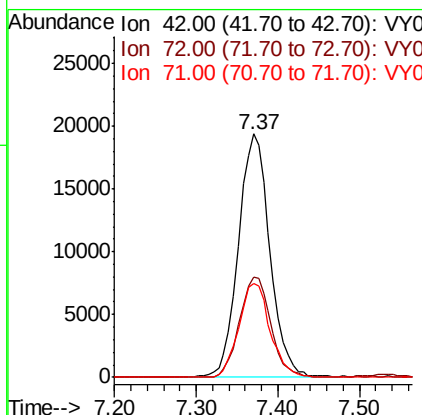
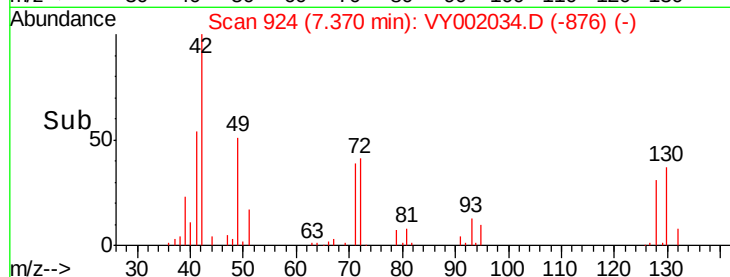
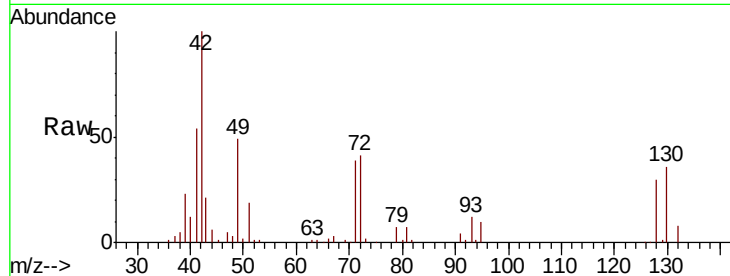
#29
Tetrahydrofuran
Concen: 105.551 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.5	50.3
71	38.3	31.3	46.9

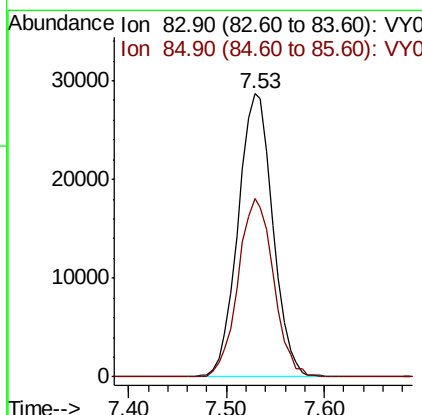
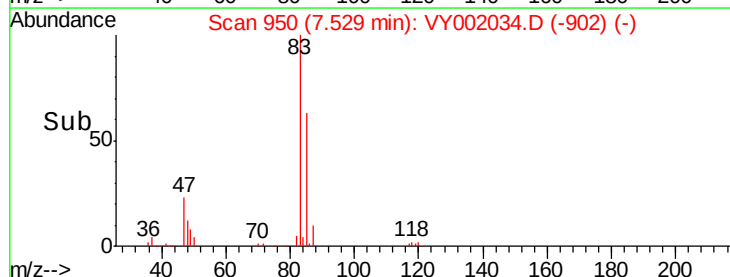
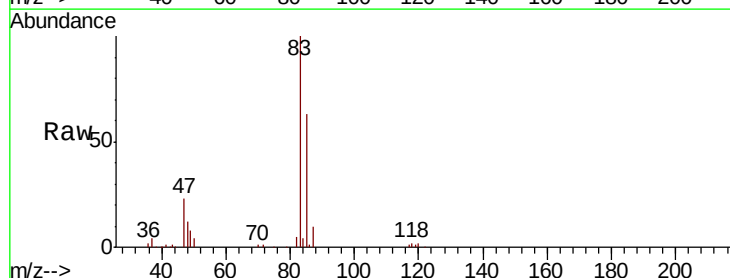
Manual Integrations
APPROVED

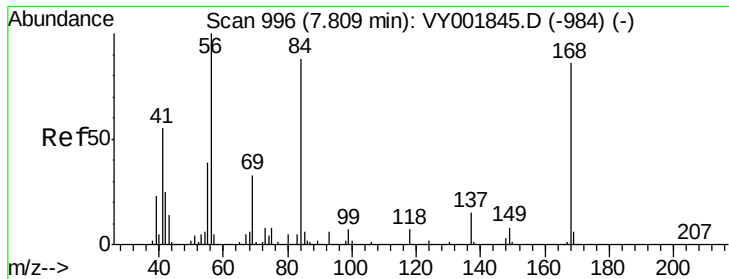
MMDadoda
3/23/2020 2:21:25 PM



#30
Chloroform
Concen: 22.022 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.7	76.1





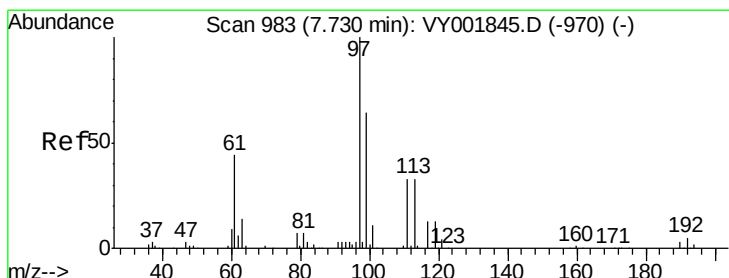
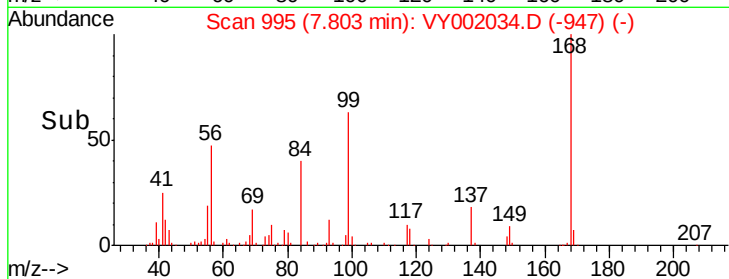
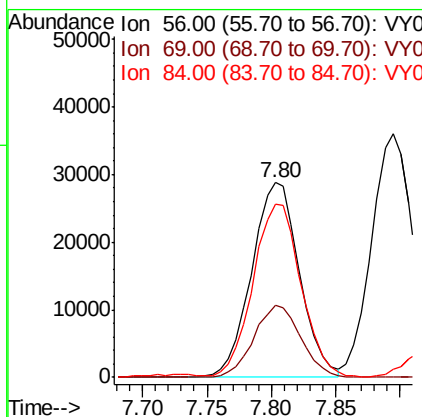
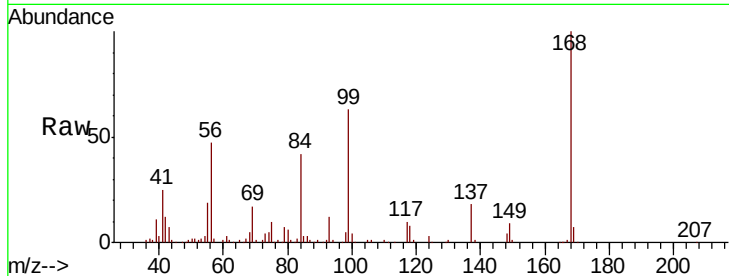
#31
Cyclohexane
Concen: 20.251 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	26.7	40.1
84	87.4	70.4	105.6

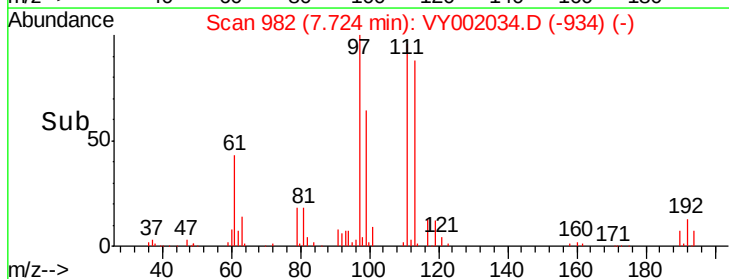
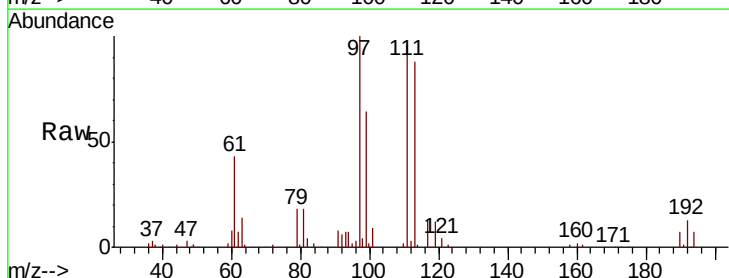
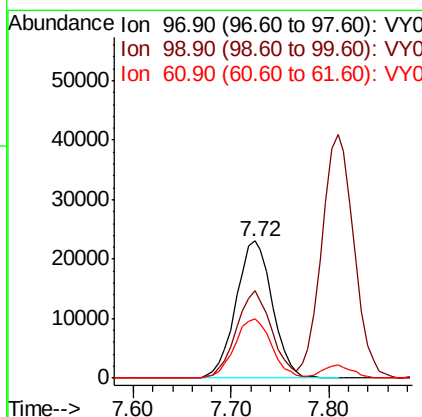
Manual Integrations
APPROVED

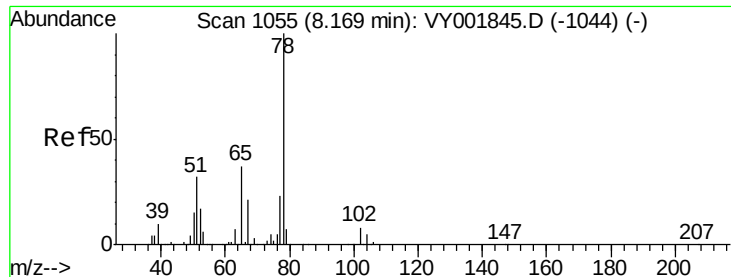
MMDadoda
3/23/2020 2:21:25 PM



#32
1,1,1-Trichloroethane
Concen: 21.988 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.0	78.0
61	43.6	35.0	52.4





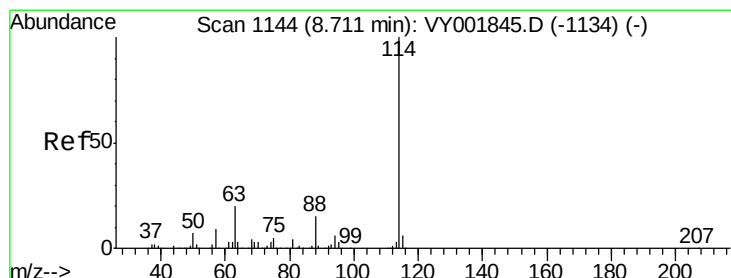
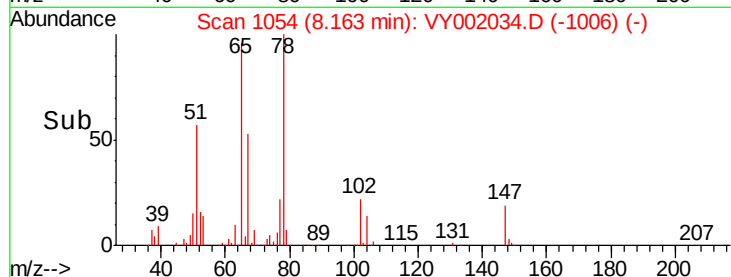
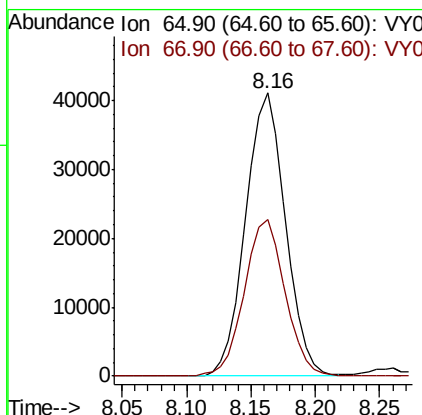
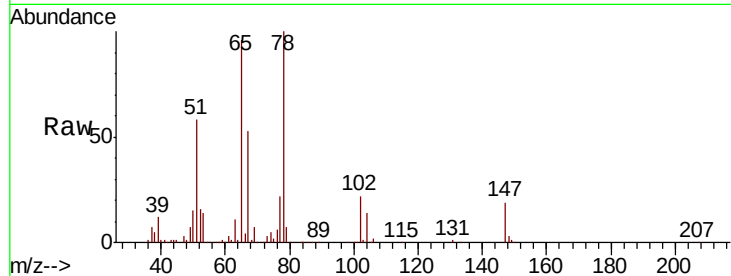
#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.4	0.0	110.8	

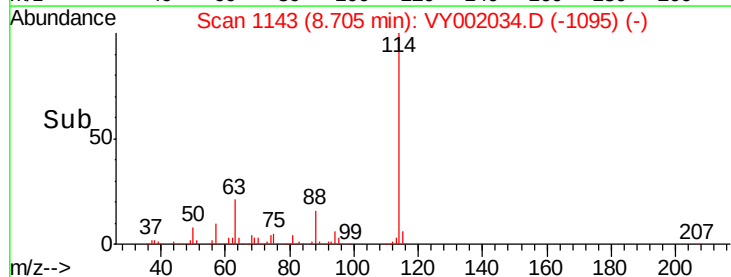
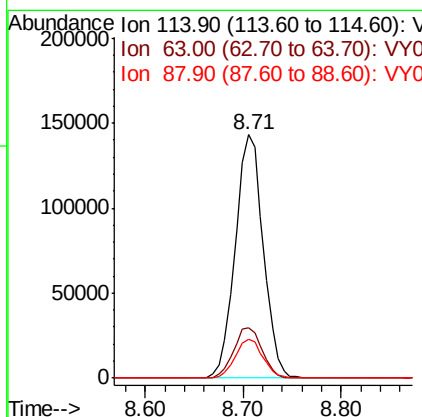
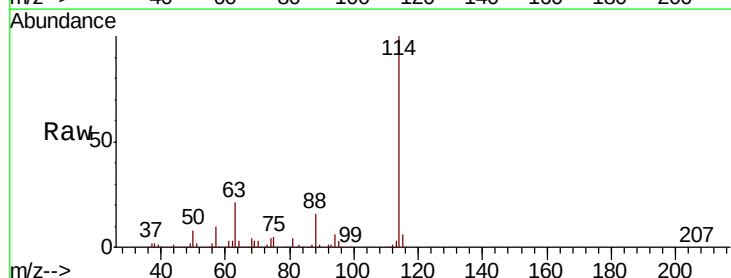
Manual Integrations
 APPROVED

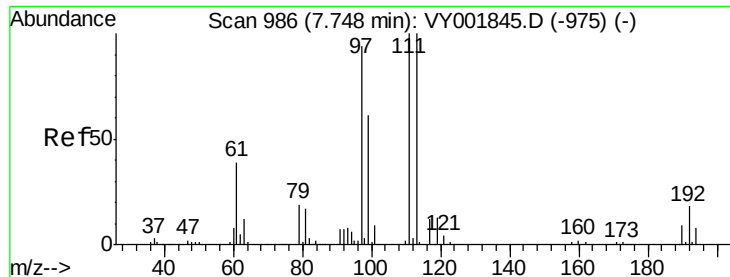
MMDadoda
 3/23/2020 2:21:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	39.4	
88	15.9	0.0	30.4	





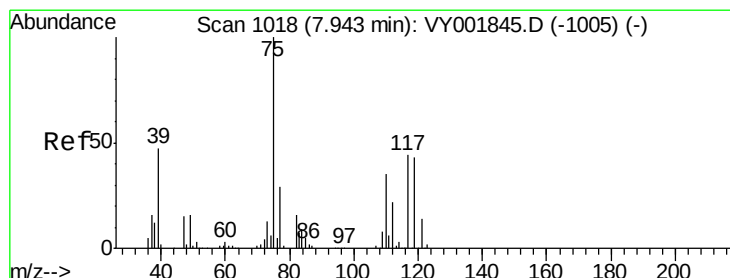
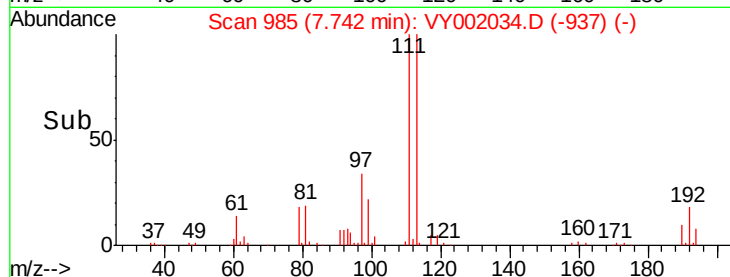
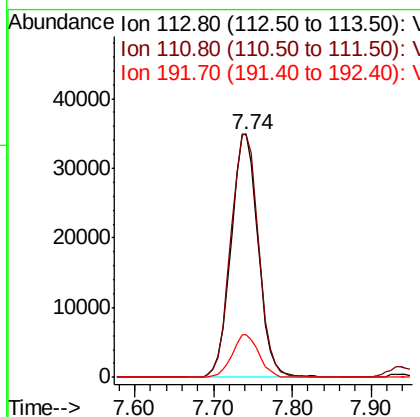
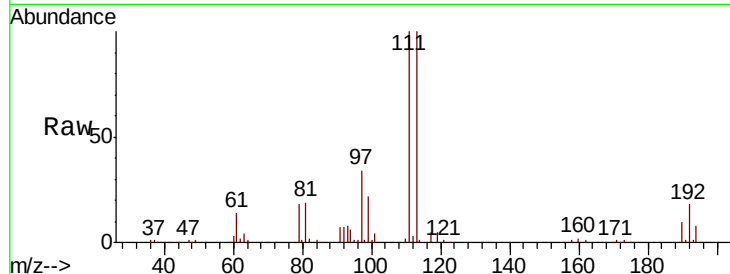
#35
Dibromofluoromethane
Concen: 53.667 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.8	122.8	
192	17.2	14.2	21.2	

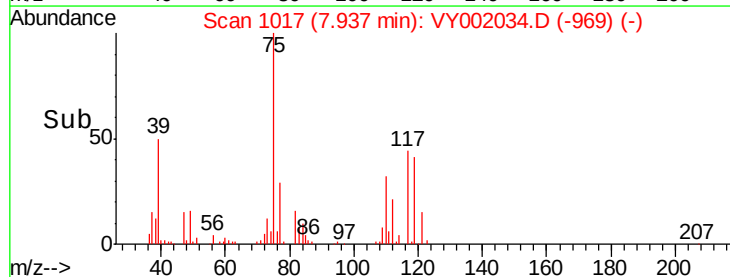
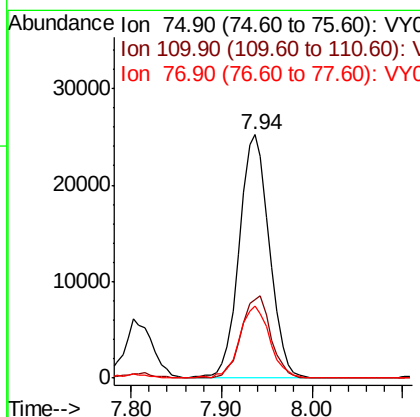
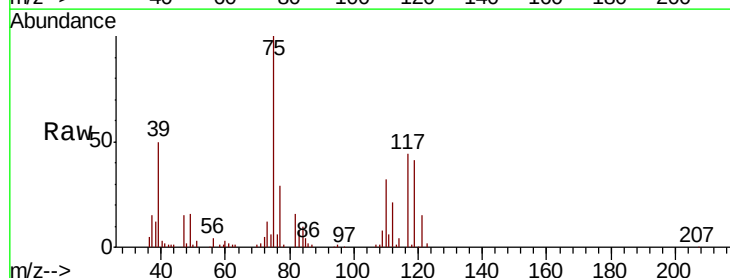
Manual Integrations
APPROVED

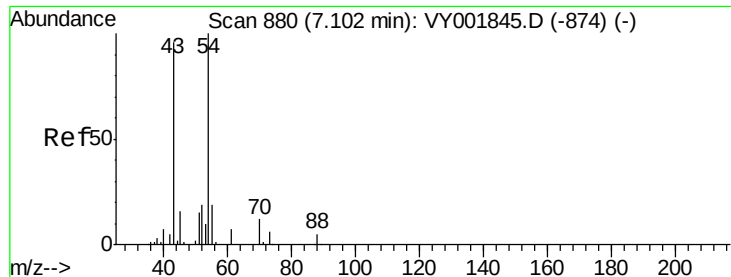
MMDadoda
3/23/2020 2:21:25 PM



#36
1,1-Dichloropropene
Concen: 21.248 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.0	17.4	52.2	
77	30.0	24.2	36.2	





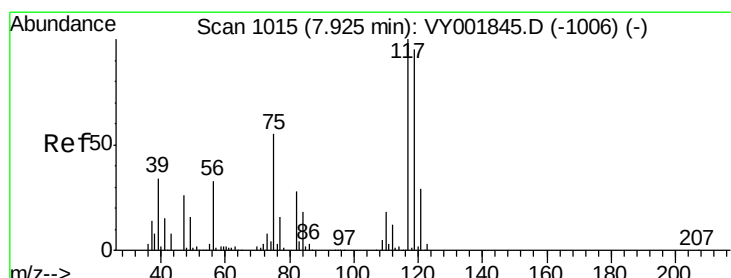
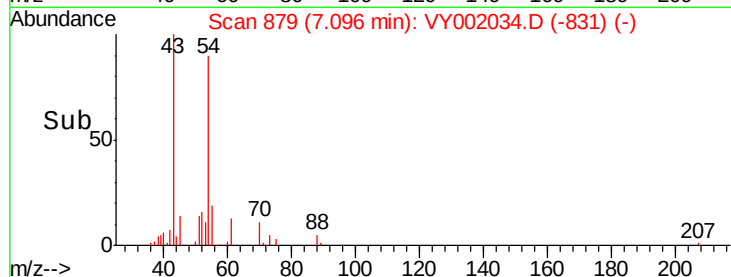
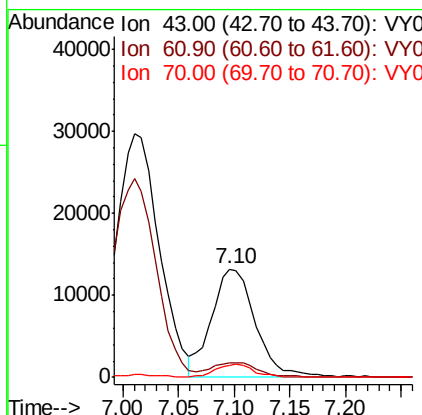
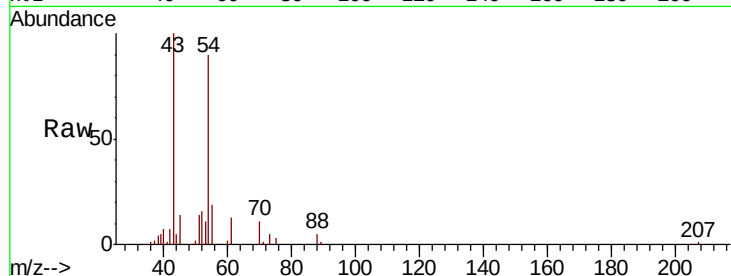
#37
Ethyl Acetate
Concen: 22.417 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.1	16.7
70	10.9	8.2	12.4

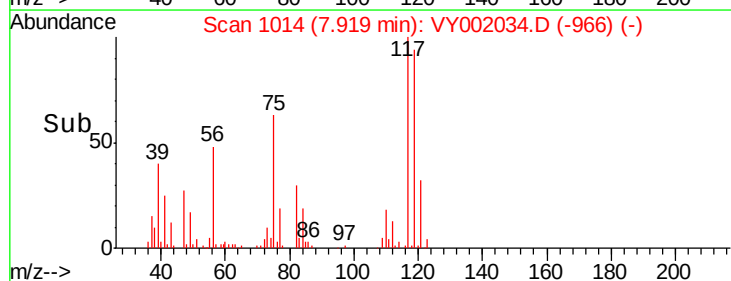
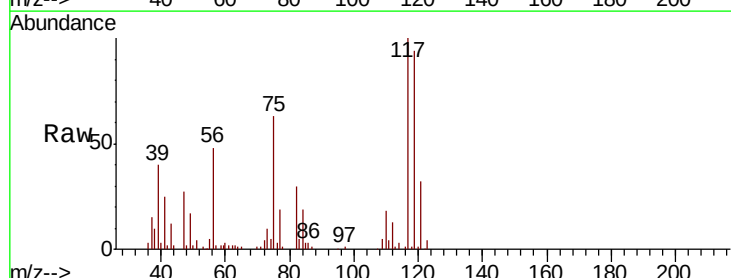
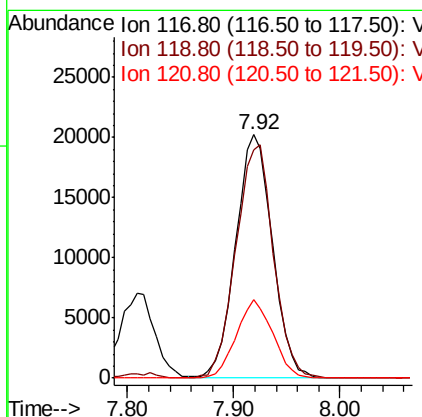
Manual Integrations
APPROVED

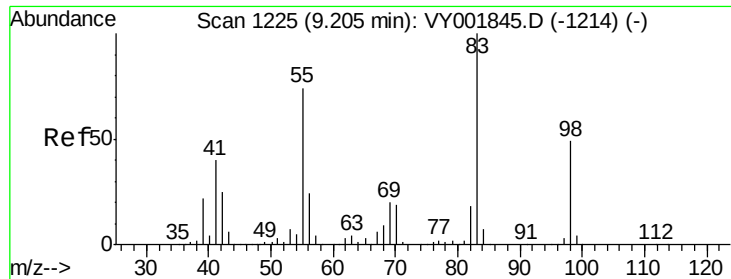
MMDadoda
3/23/2020 2:21:25 PM



#38
Carbon Tetrachloride
Concen: 21.056 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.3	114.5
121	32.1	23.5	35.3





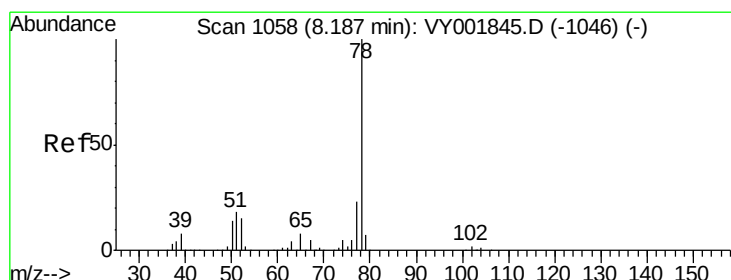
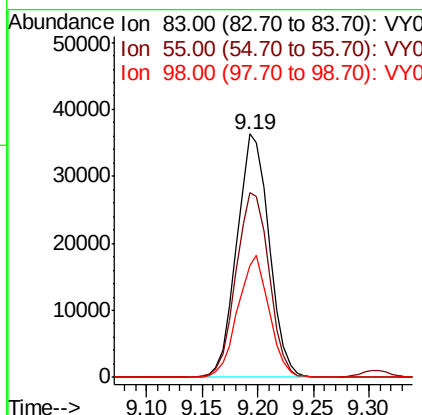
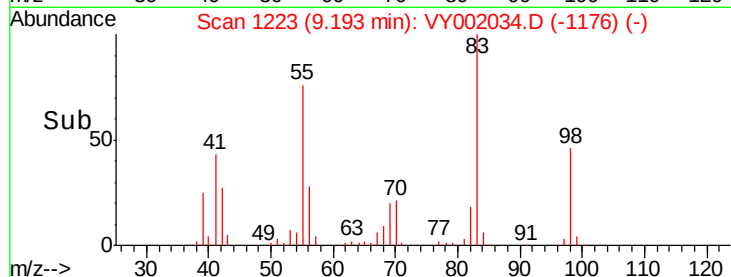
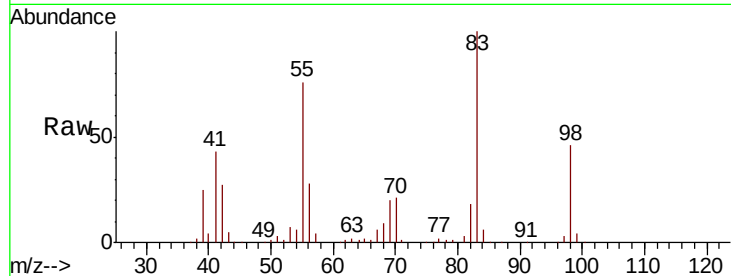
#39
Methylvlcyclohexane
Concen: 20.271 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	59.4	89.0
98	46.1	38.9	58.3

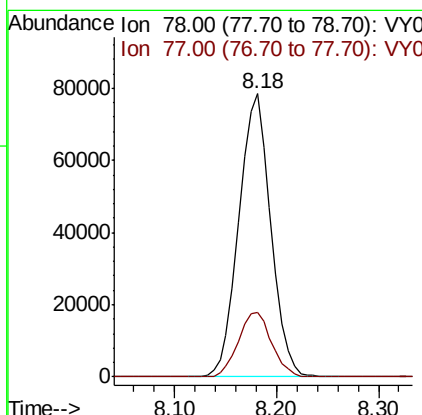
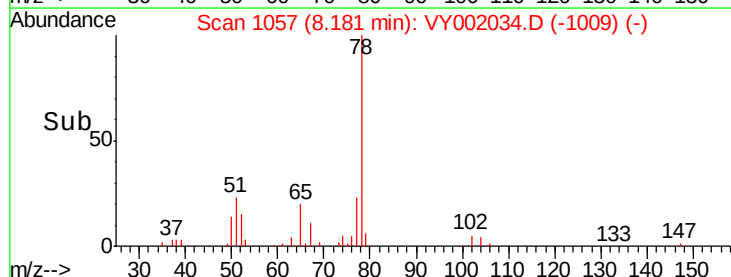
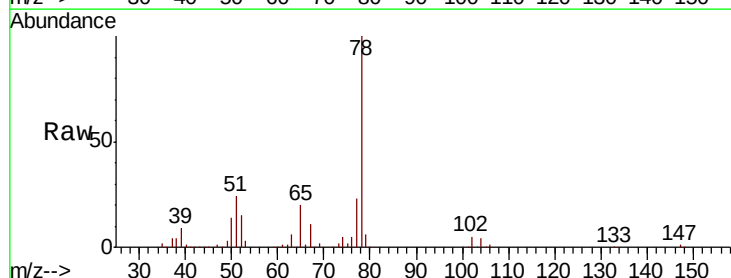
Manual Integrations
APPROVED

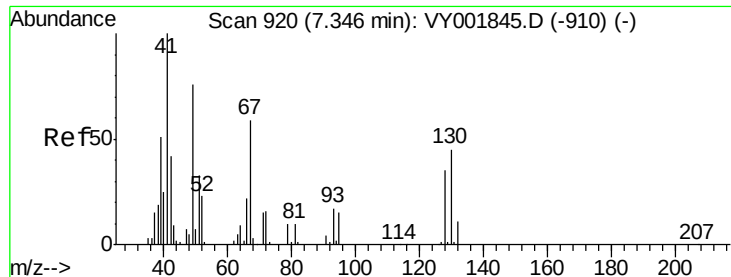
MMDadoda
3/23/2020 2:21:25 PM



#40
Benzene
Concen: 21.072 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1





#41

Methacrylonitrile

Concen: 26.152 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 41 Resp: 18662

Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

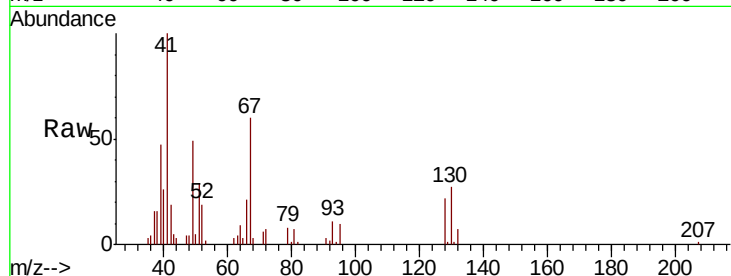
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

3/23/2020 2:21:25 PM

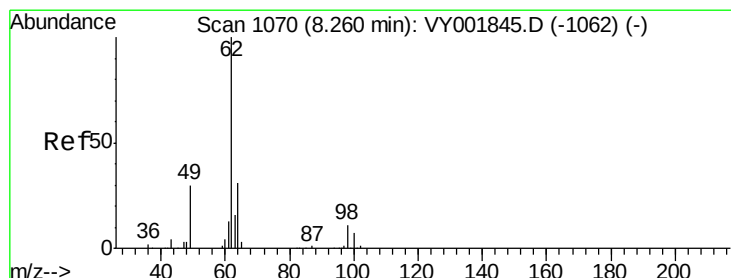
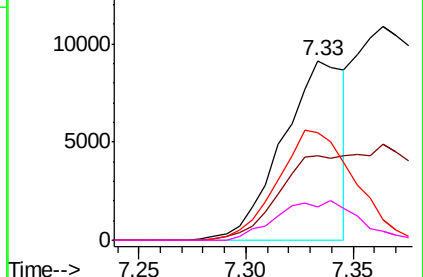
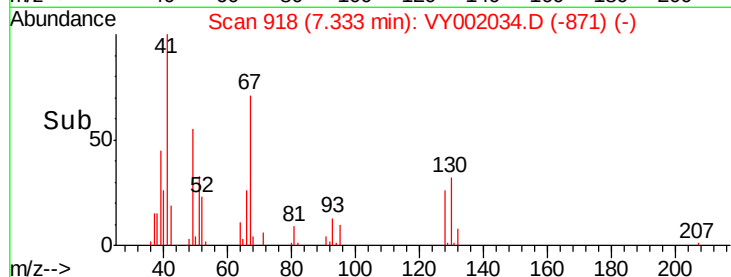


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 22.334 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY002034.D

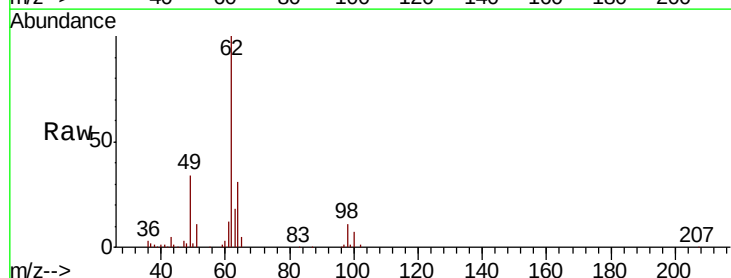
Acq: 20 Mar 2020 12:09

Tgt Ion: 62 Resp: 46539

Ion Ratio Lower Upper

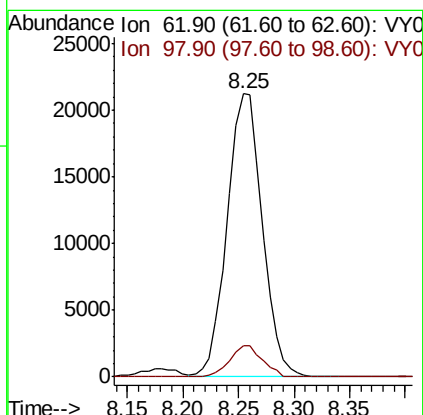
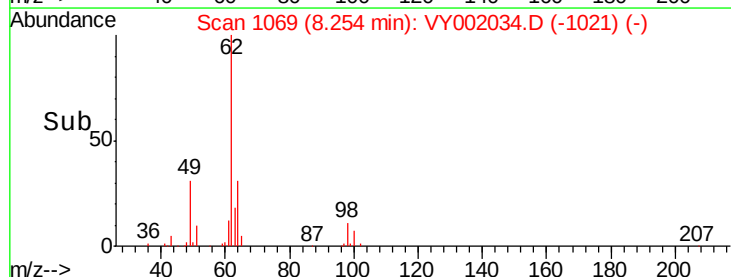
62 100

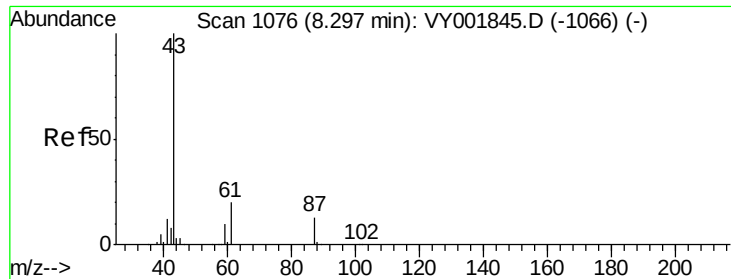
98 10.3 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





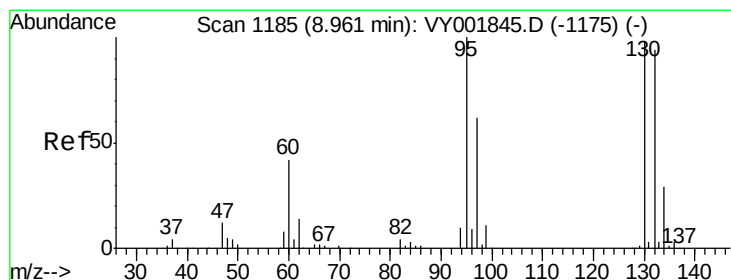
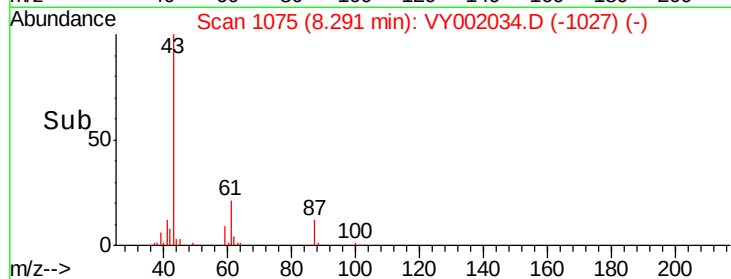
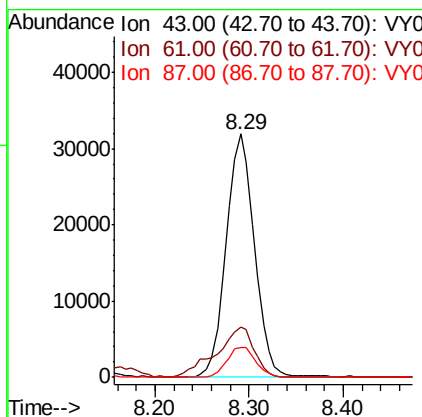
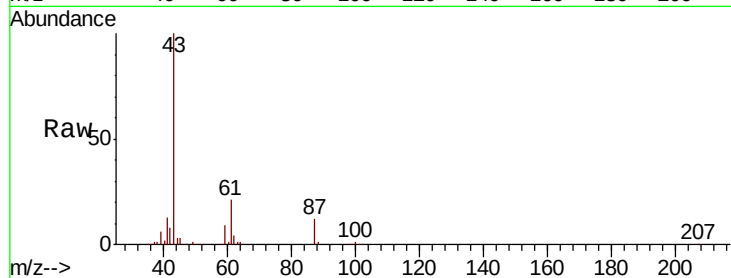
#43
Isopropyl Acetate
Concen: 22.226 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.8	35.6
87	12.6	10.9	16.3

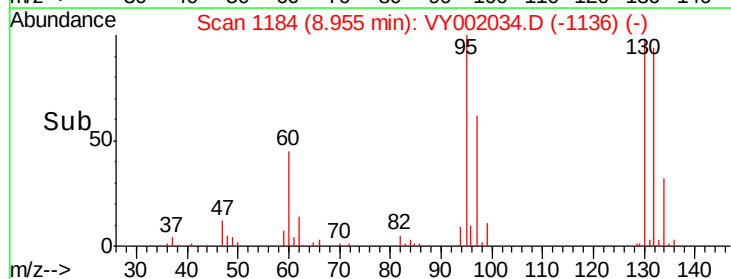
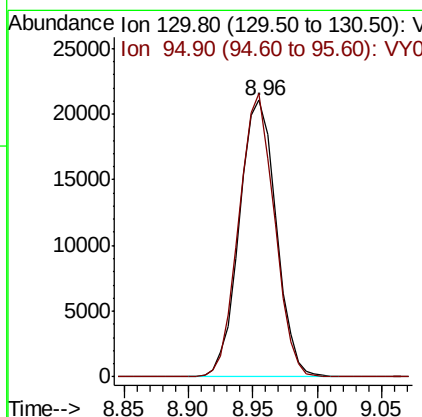
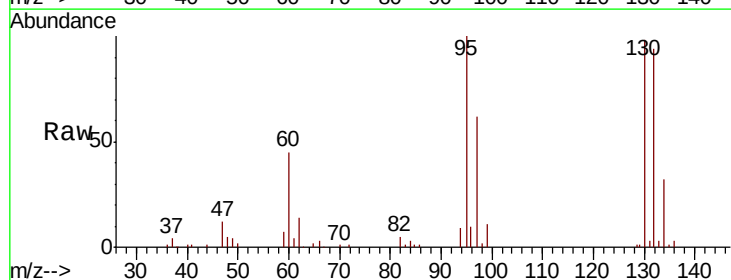
Manual Integrations
APPROVED

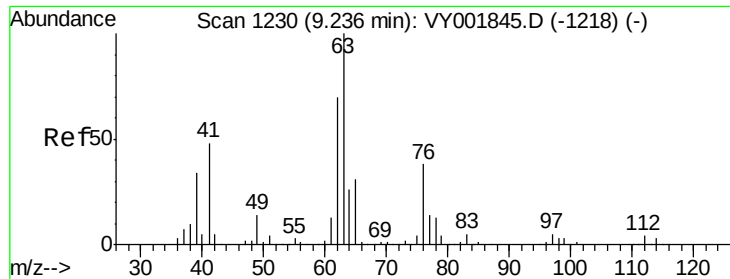
MMDadoda
3/23/2020 2:21:25 PM



#44
Trichloroethene
Concen: 21.177 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.6





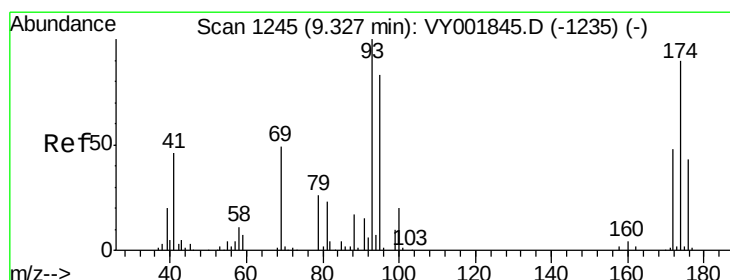
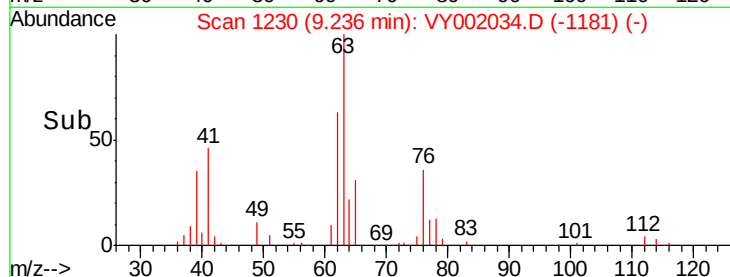
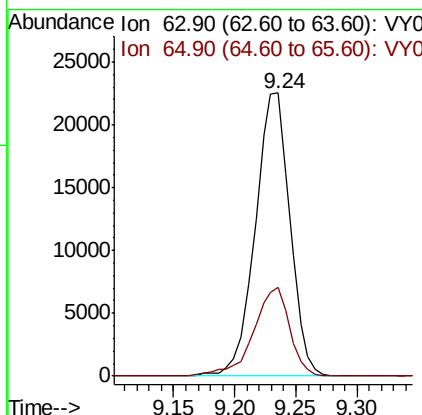
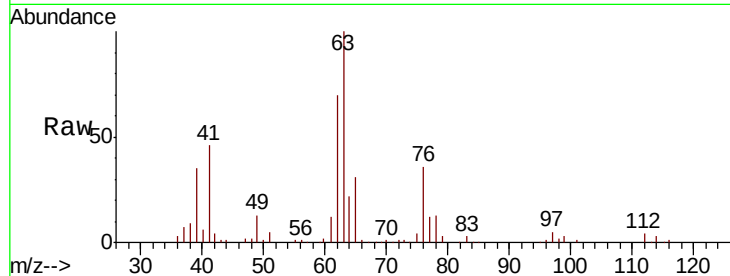
#45
 1,2-Dichloropropane
 Concen: 21.929 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	63	Resp	44577
Ion Ratio	Lower	Upper	
63	100		
65	31.4	24.9	37.3

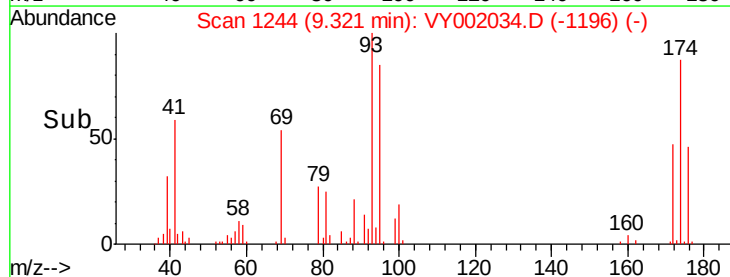
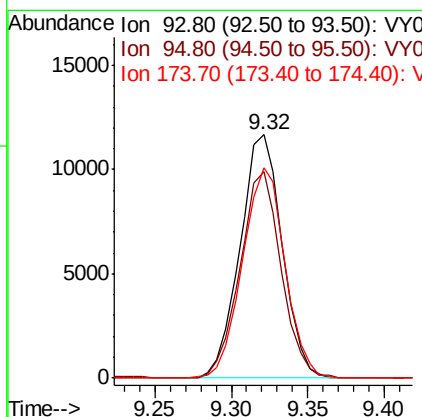
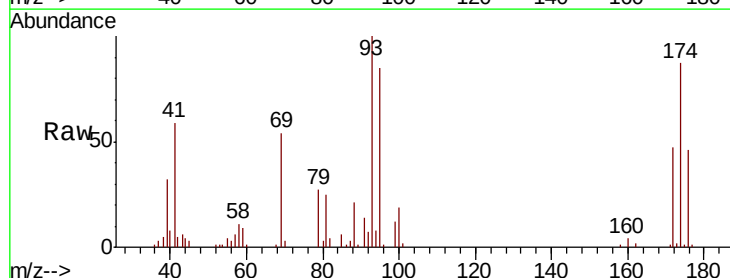
Manual Integrations
 APPROVED

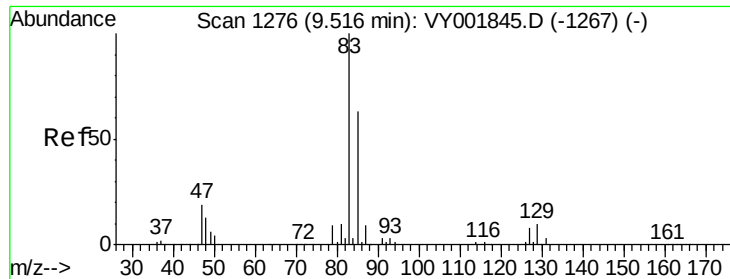
MMDadoda
 3/23/2020 2:21:25 PM



#46
 Dibromomethane
 Concen: 21.309 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	93	Resp	22322
Ion Ratio	Lower	Upper	
93	100		
95	82.8	67.0	100.4
174	87.1	71.8	107.8





#47

Bromodichloromethane

Concen: 21.788 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

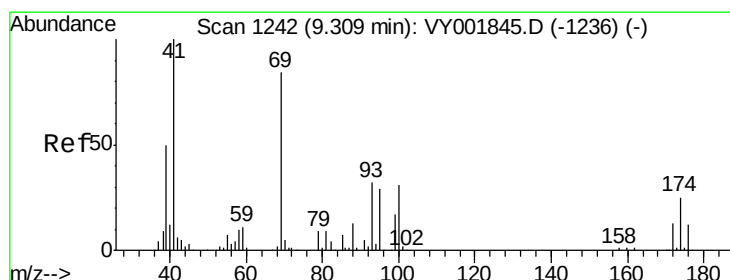
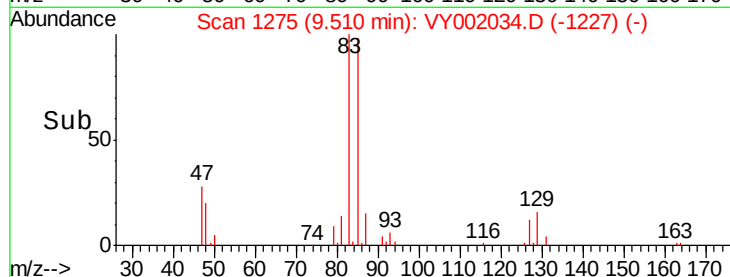
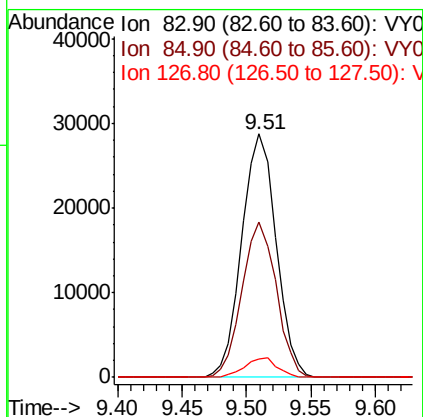
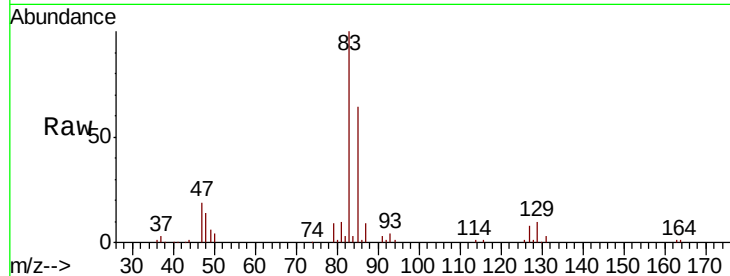
ClientSampleId :

VY0320SBS01

Tot Ion:	83	Resp:	53092
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.6	76.0
127	7.6	6.2	9.4

Manual Integrations
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MMDadoda
3/23/2020 2:21:25 PM



#48

Methyl methacrylate

Concen: 21.670 ug/l

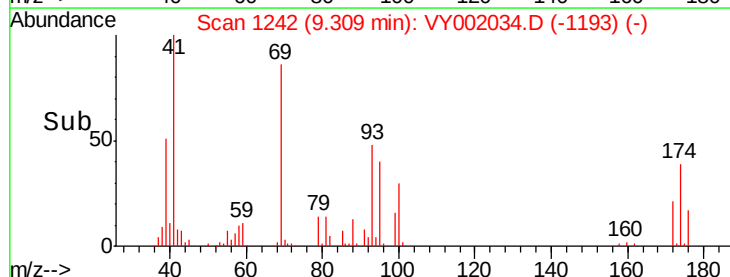
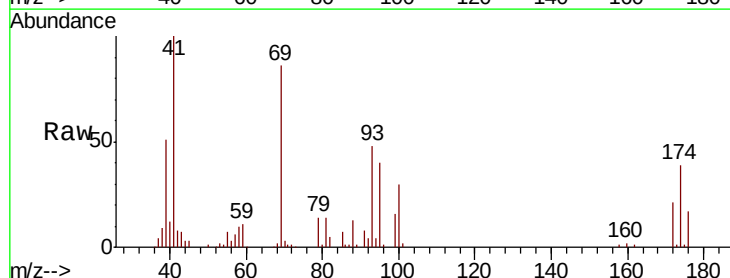
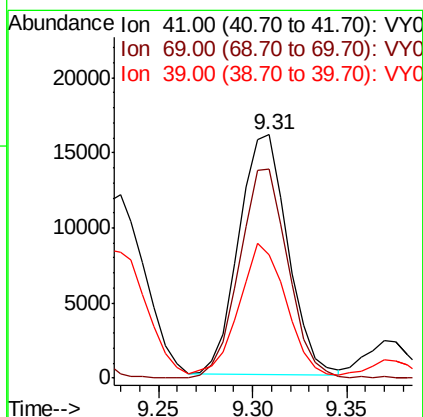
RT: 9.31 min Scan# 1242

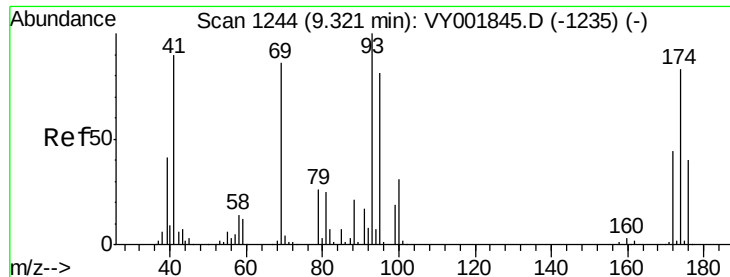
Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion:	41	Resp:	28867
Ion Ratio	Lower	Upper	
41	100		
69	86.6	69.0	103.6
39	55.4	39.1	58.7





#49

1,4-Dioxane

Concen: 421.765 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 88 Resp: 6054

Ion Ratio Lower Upper

88 100

43 31.3 25.0 37.6

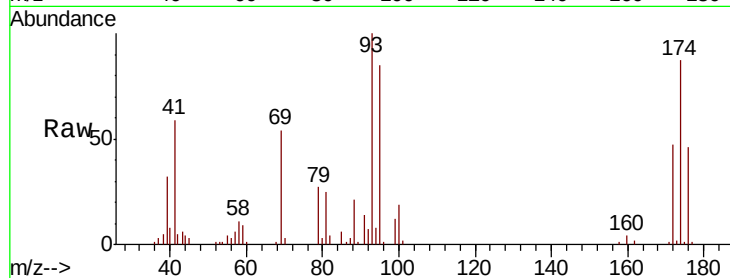
58 71.3 58.9 88.3

Manual Integrations

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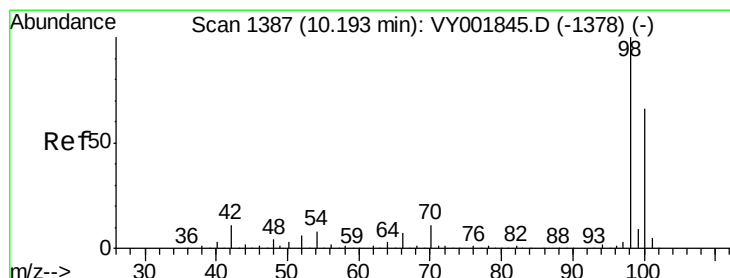
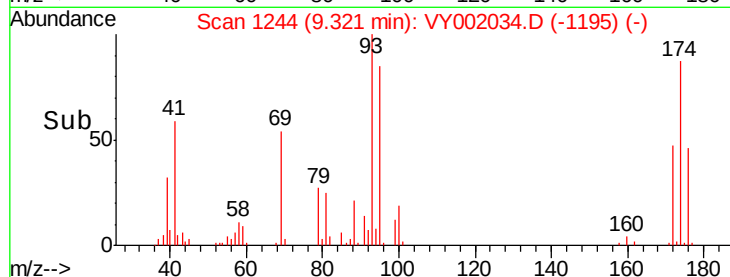
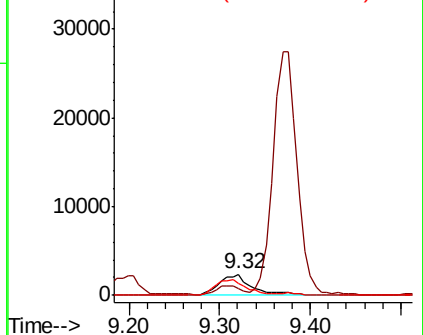
3/23/2020 2:21:25 PM



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.342 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002034.D

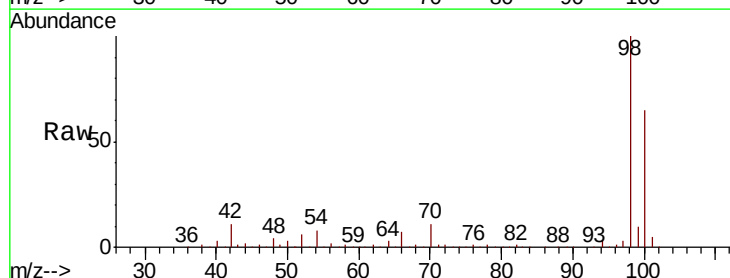
Acq: 20 Mar 2020 12:09

Tgt Ion: 98 Resp: 335161

Ion Ratio Lower Upper

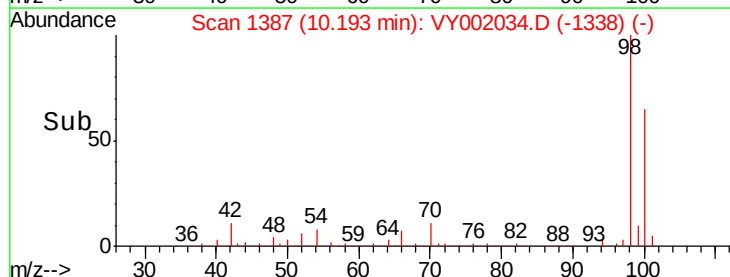
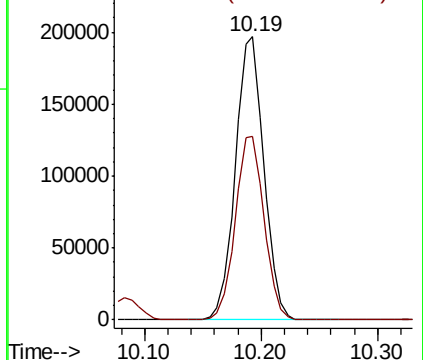
98 100

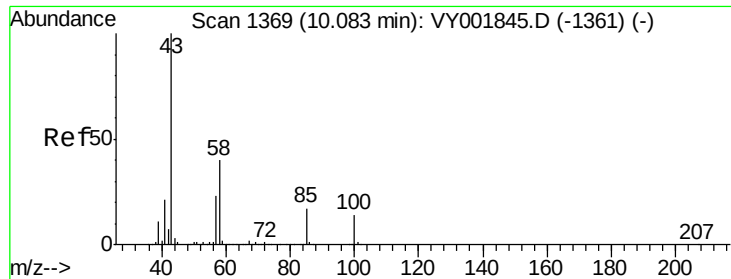
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





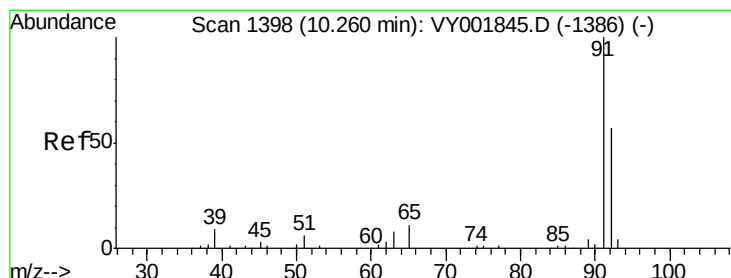
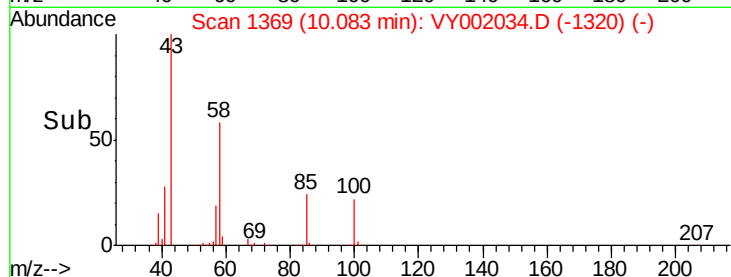
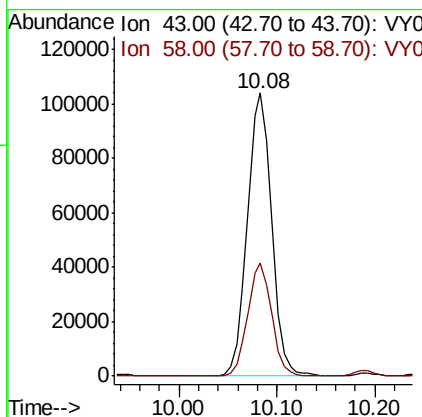
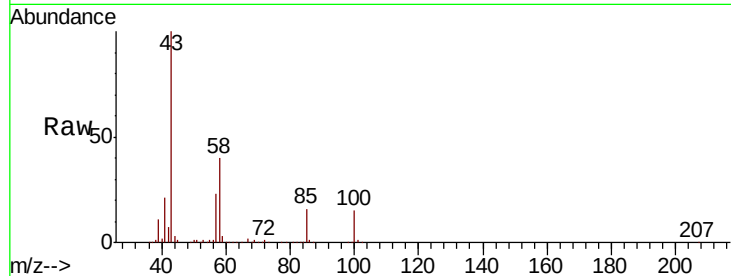
#51
4-Methyl-2-Pentanone
Concen: 115.836 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	32.0	48.0

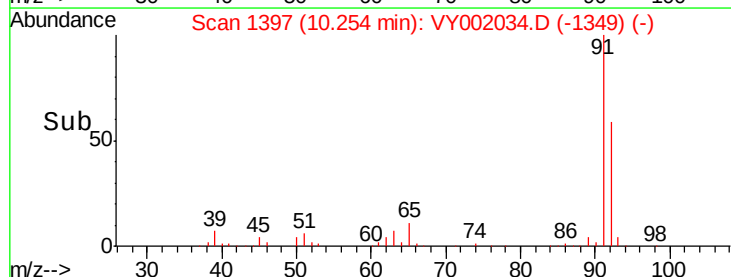
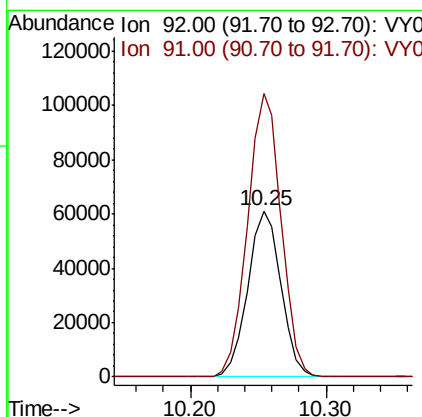
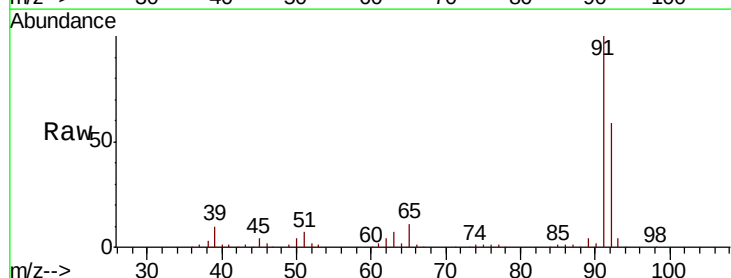
Manual Integrations
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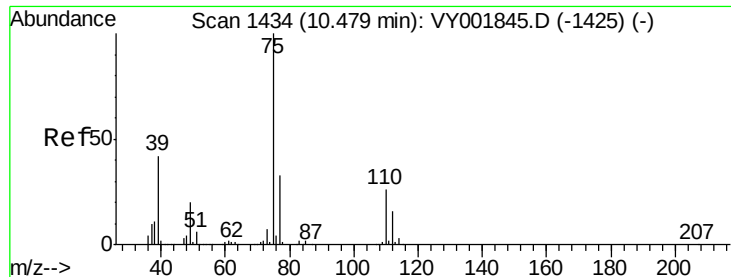
MMDadoda
3/23/2020 2:21:25 PM



#52
Toluene
Concen: 21.284 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	138.6	208.0





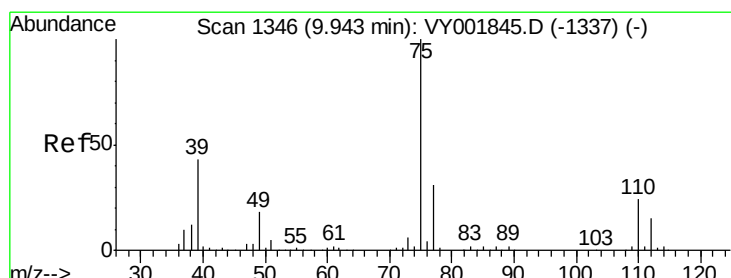
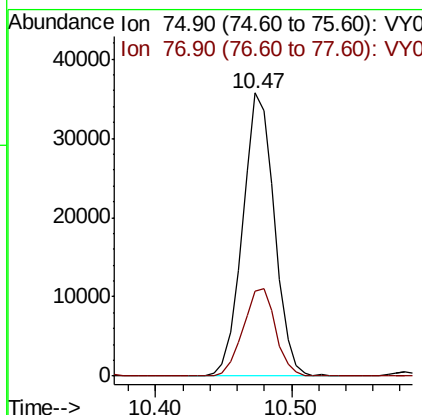
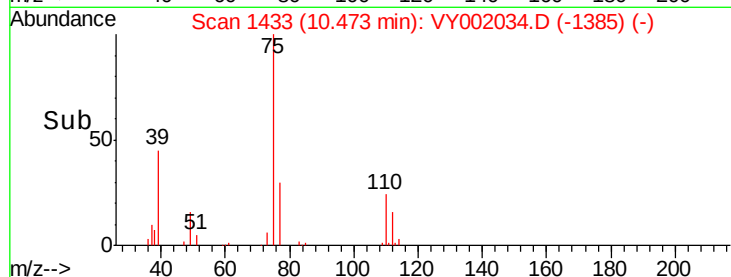
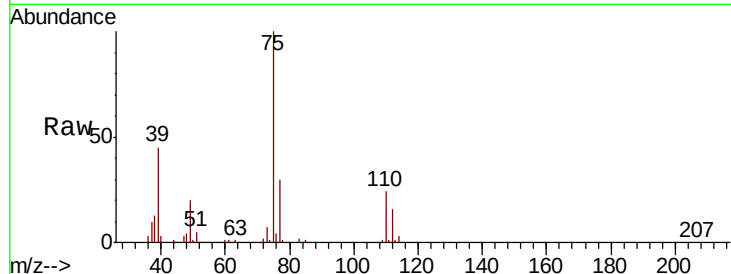
#53
 t-1,3-Dichloropropene
 Concen: 21.906 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.3	39.5

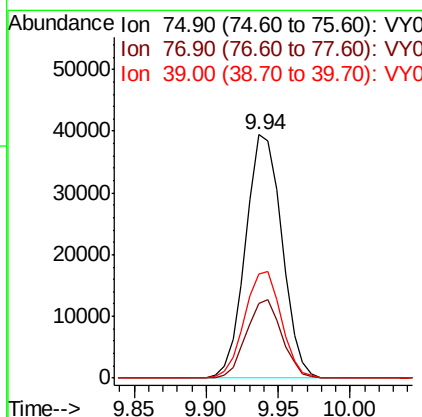
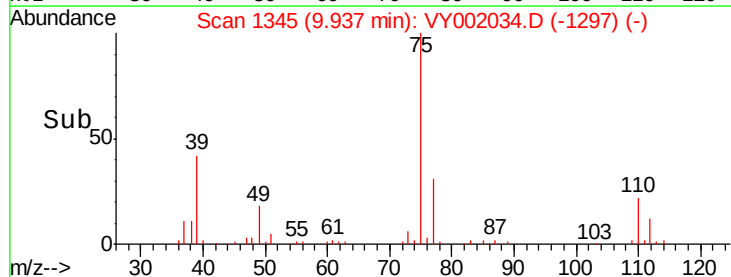
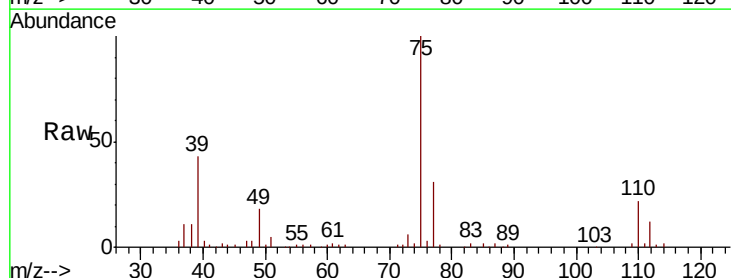
Manual Integrations
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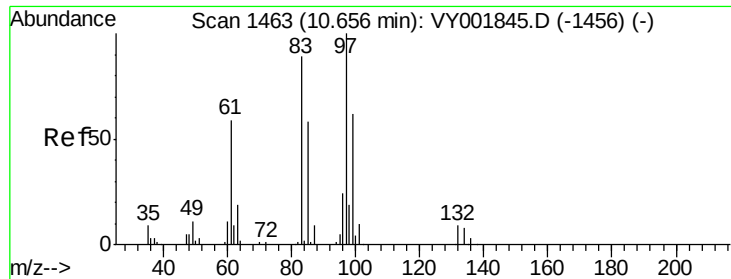
MMDadoda
 3/23/2020 2:21:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.815 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.1	37.7
39	42.7	34.7	52.1





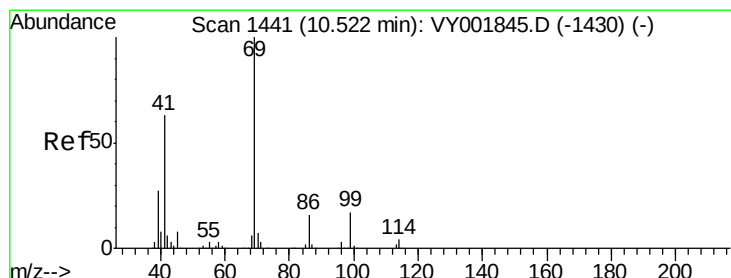
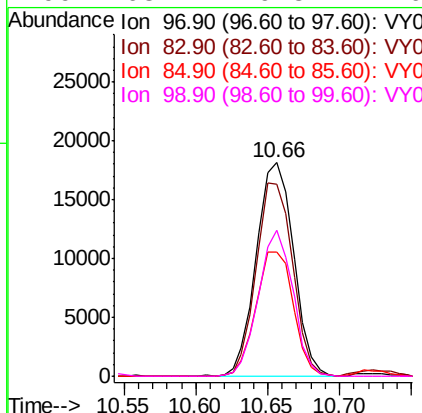
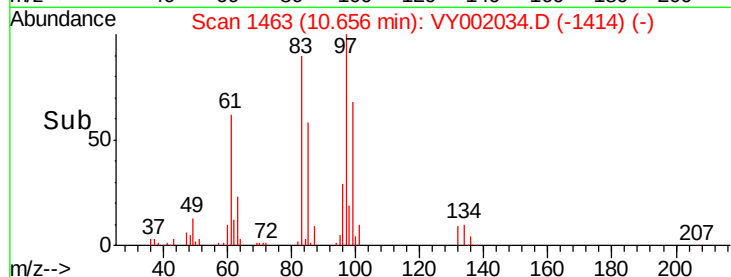
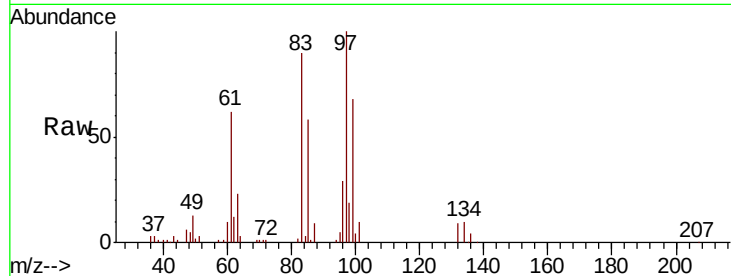
#55
 1,1,2-Trichloroethane
 Concen: 21.260 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.6	107.4
85	58.0	46.6	69.8
99	68.1	49.8	74.6

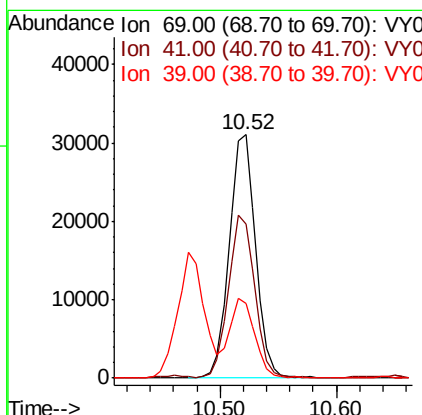
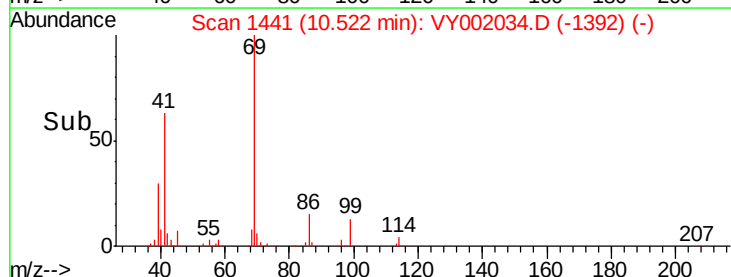
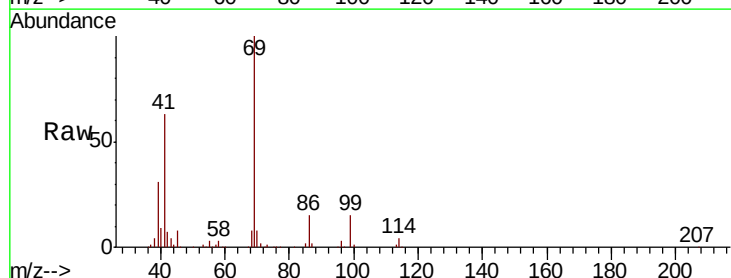
Manual Integrations
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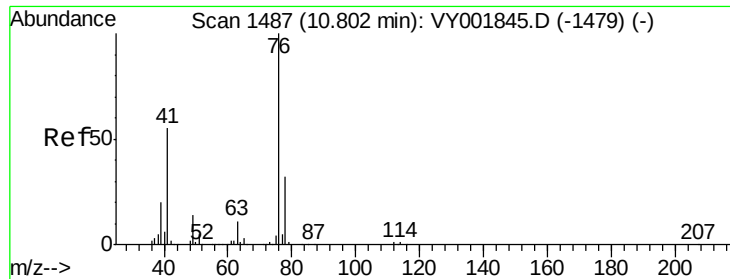
MMDadoda
 3/23/2020 2:21:25 PM



#56
 Ethyl methacrylate
 Concen: 21.693 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.5	49.9	74.9
39	32.3	23.0	34.6





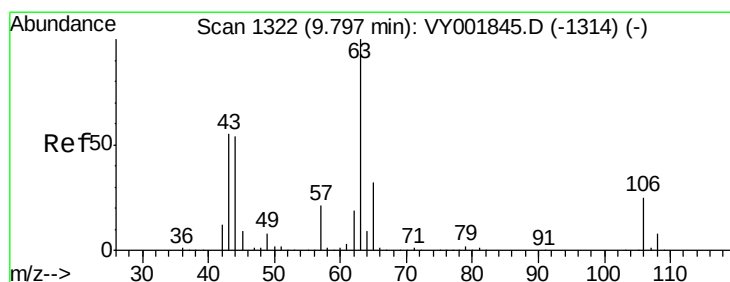
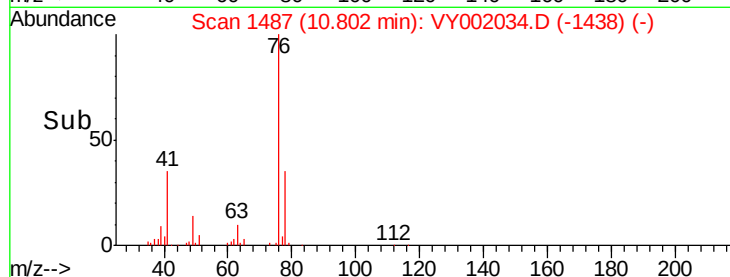
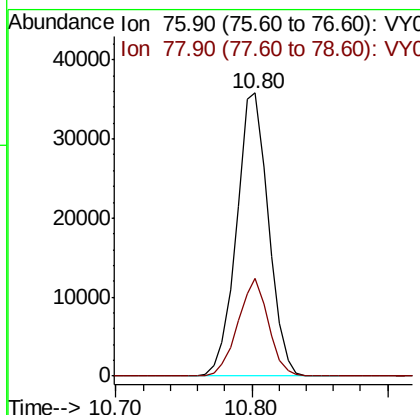
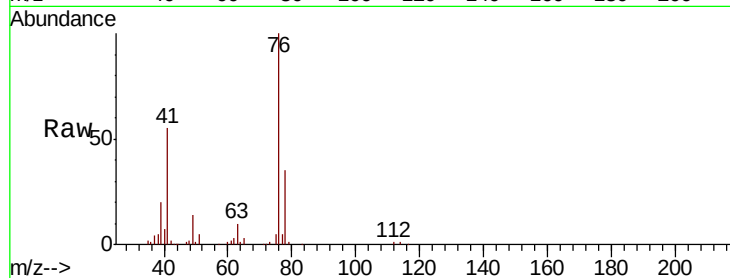
#57
 1,3-Dichloropropane
 Concen: 21.431 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

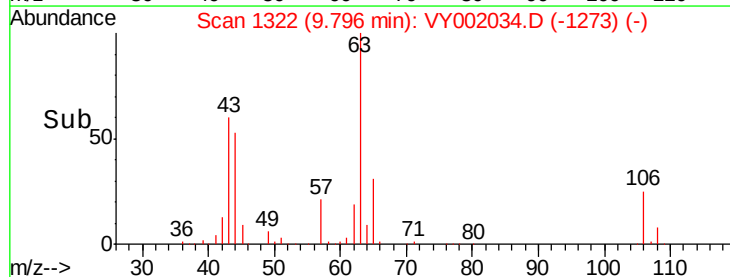
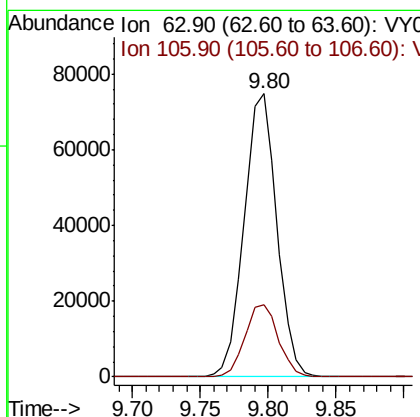
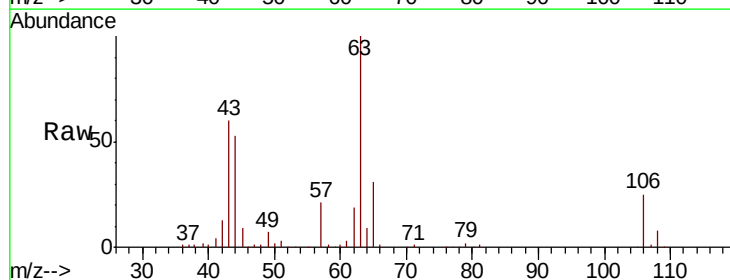
Manual Integrations
 APPROVED

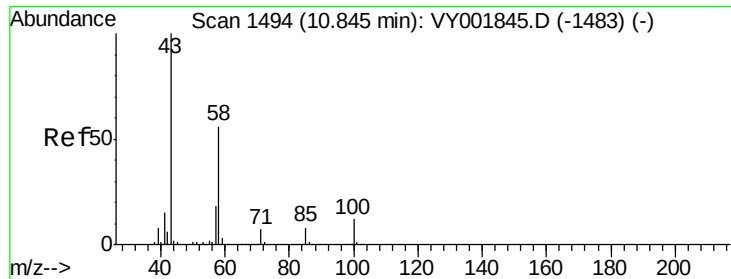
MMDadoda
 3/23/2020 2:21:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 147.512 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.3	31.9





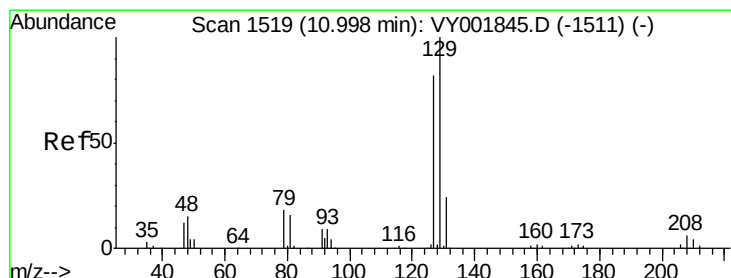
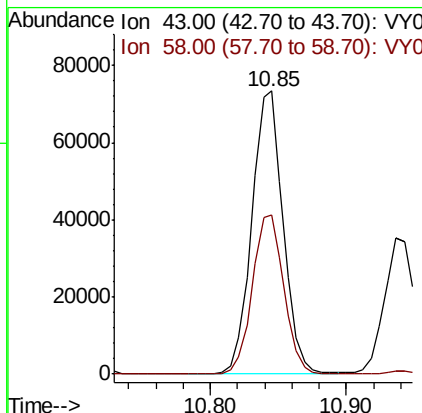
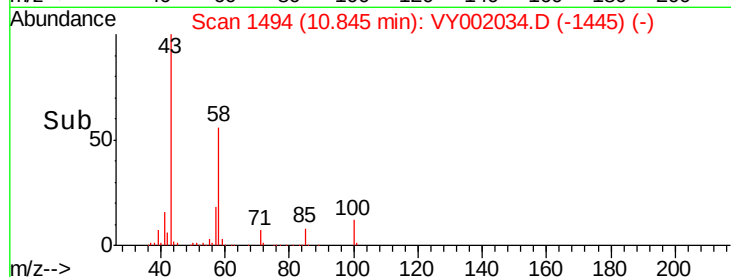
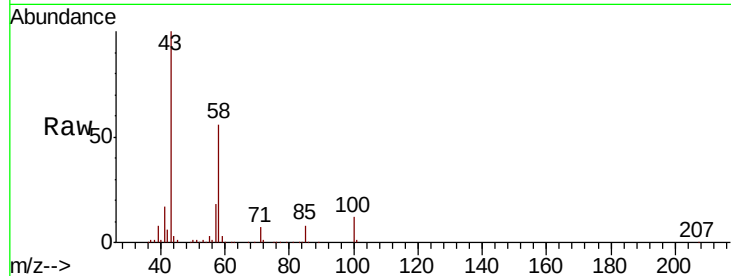
#59
2-Hexanone
Concen: 107.349 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion: 43 Resp: 118477
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.3

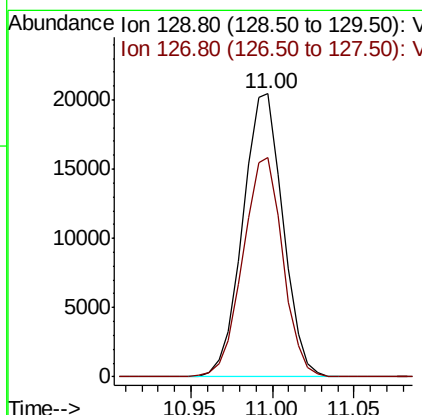
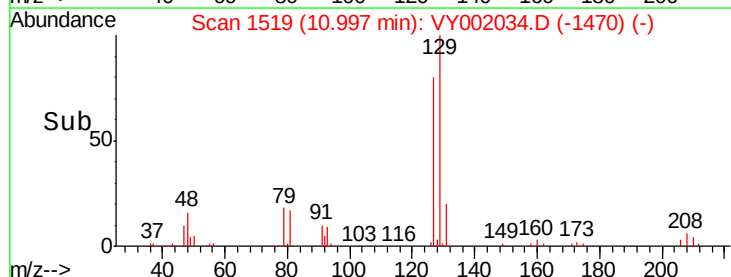
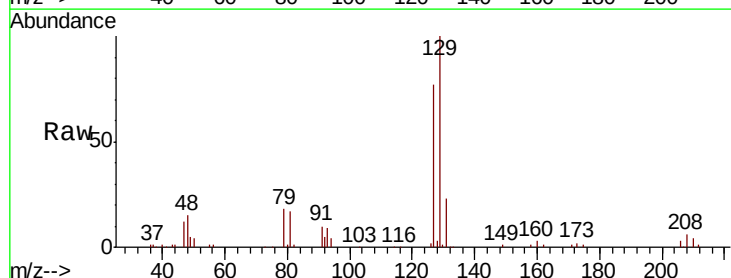
Manual Integrations
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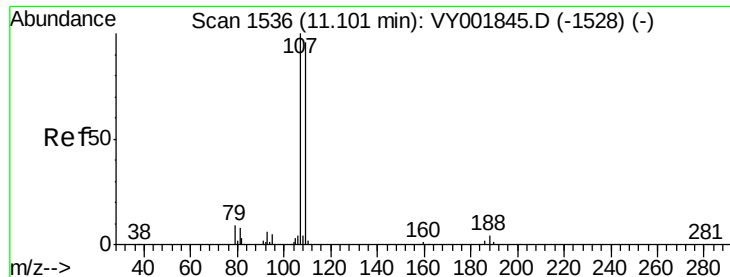
MMDadoda
3/23/2020 2:21:25 PM



#60
Dibromochloromethane
Concen: 21.723 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion: 129 Resp: 35093
Ion Ratio Lower Upper
129 100
127 76.9 39.0 117.0





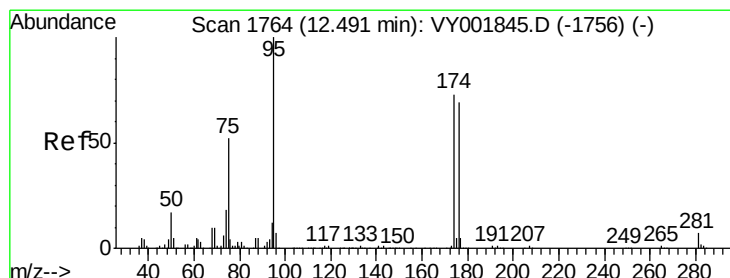
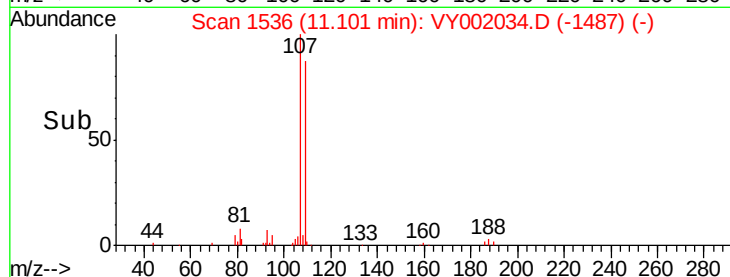
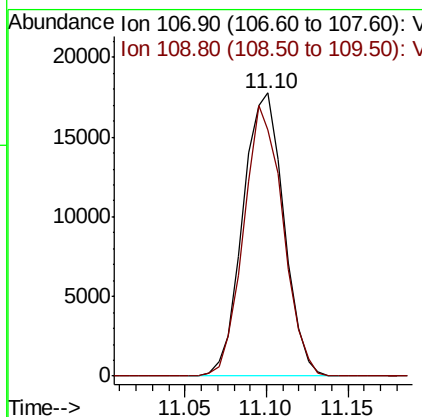
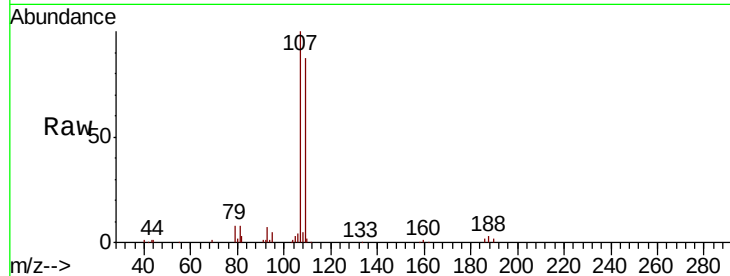
#61
 1,2-Dibromoethane
 Concen: 21.359 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.4	113.0

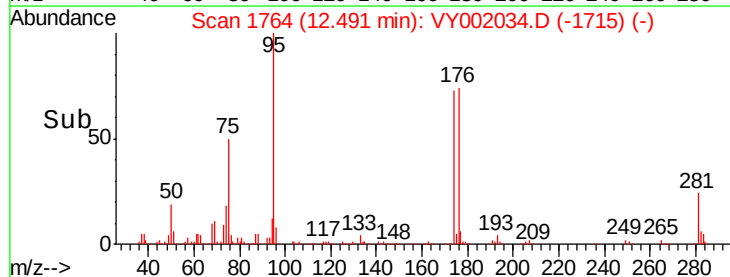
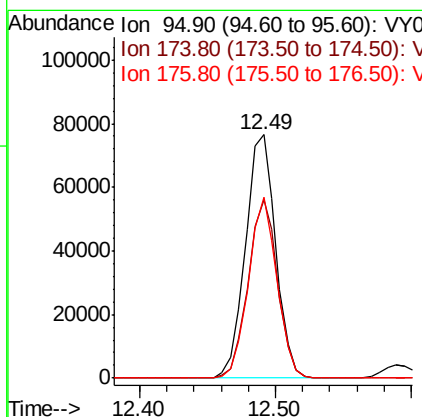
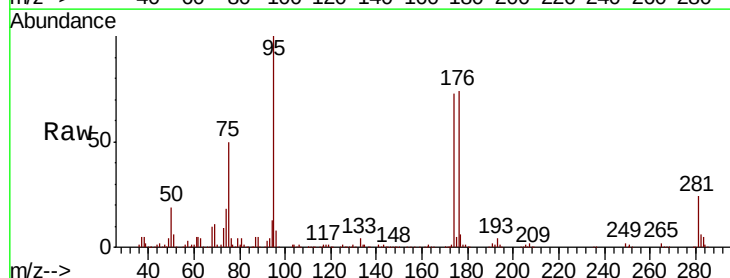
Manual Integrations
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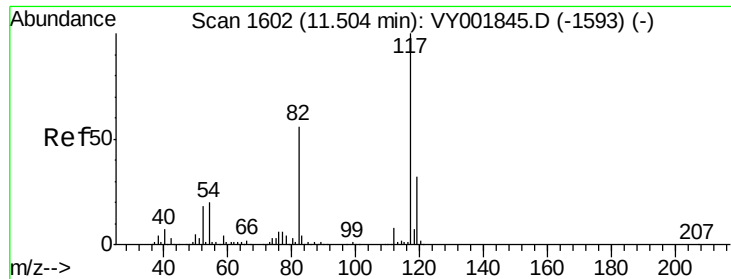
MMDadoda
 3/23/2020 2:21:25 PM



#62
 4-Bromofluorobenzene
 Concen: 52.425 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	145.0
176	70.2	0.0	137.4





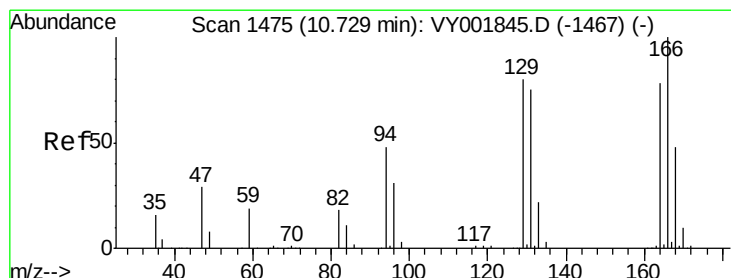
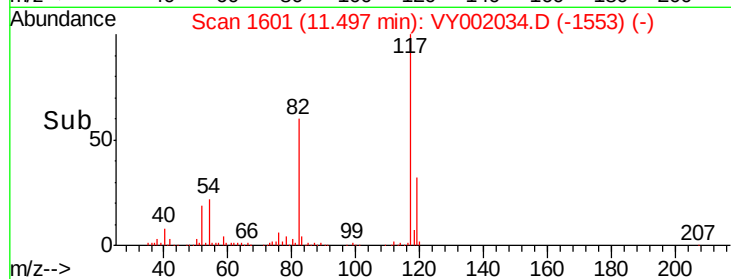
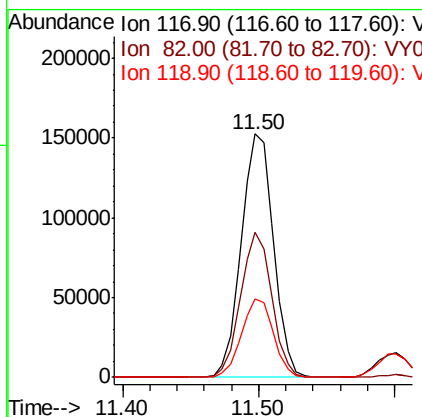
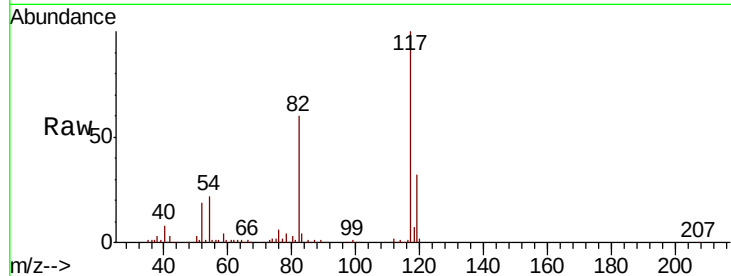
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252584		
82	59.6		44.5	66.7
119	32.1		25.7	38.5

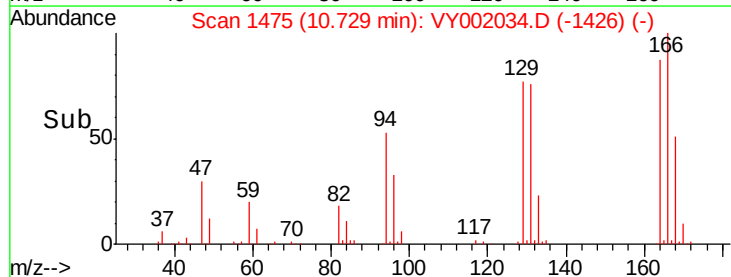
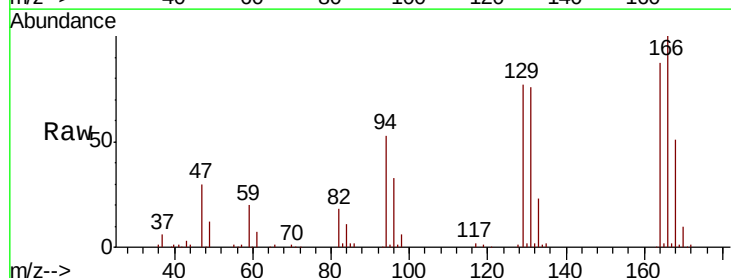
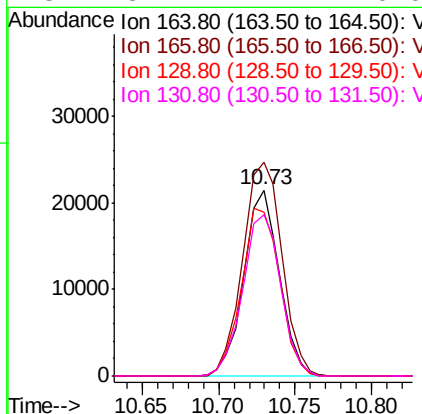
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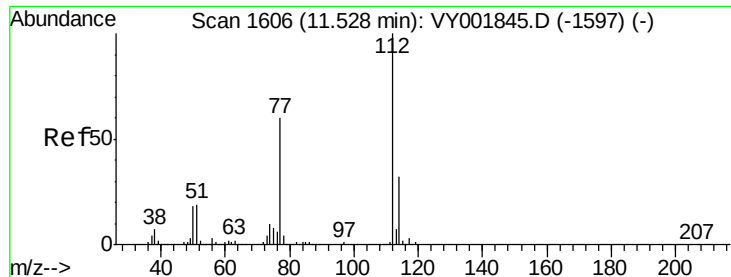
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#64
Tetrachloroethene
Concen: 21.895 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34682		
166	115.0		102.6	154.0
129	88.1		82.3	123.5
131	87.1		77.4	116.0





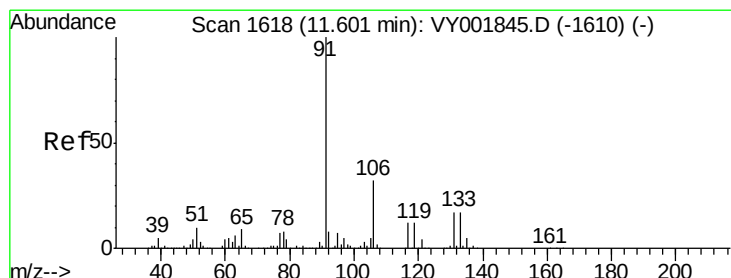
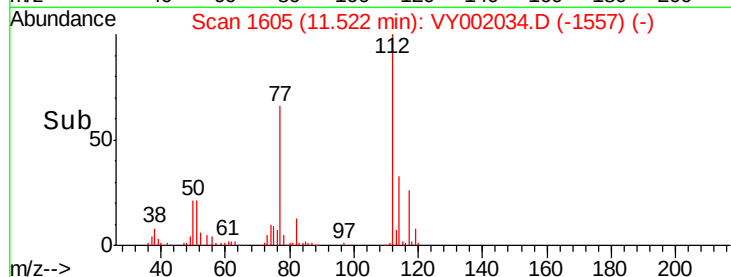
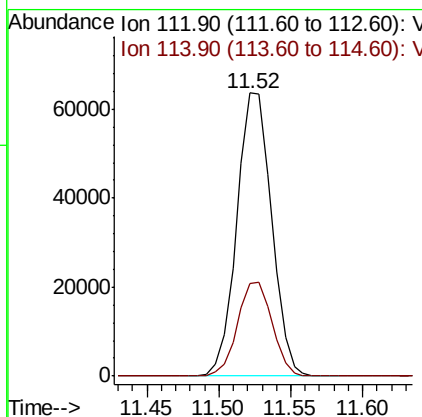
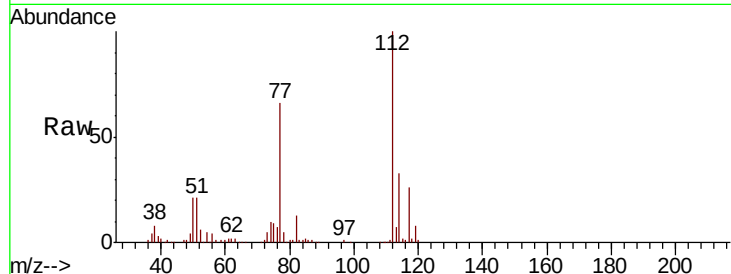
#65
Chlorobenzene
Concen: 21.199 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	106690		
114	32.6	25.9	38.9	

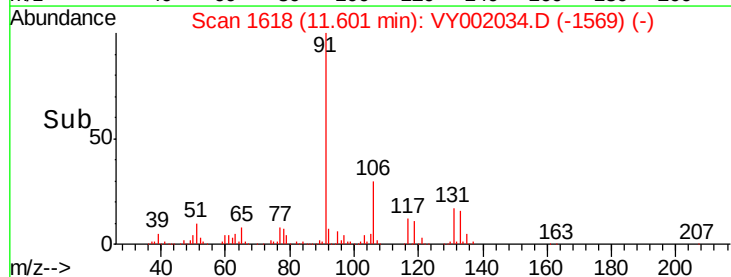
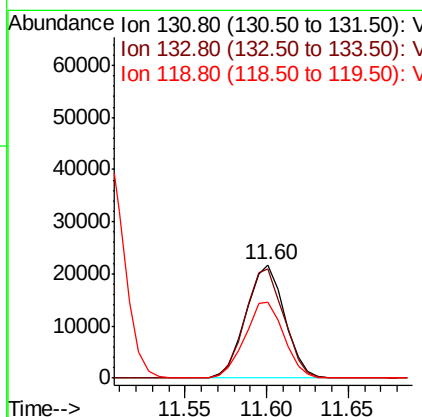
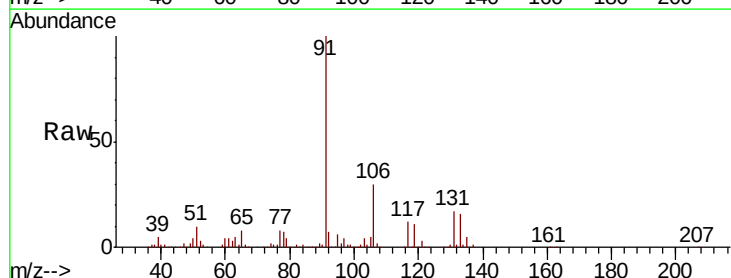
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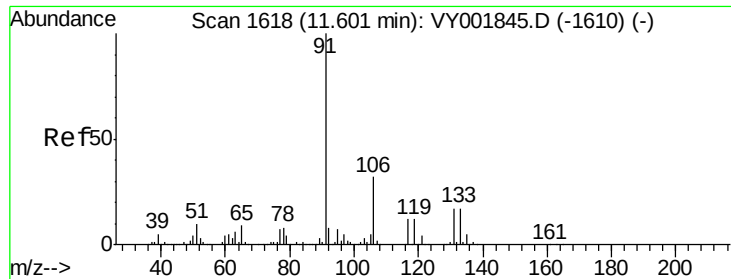
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.816 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	36005		
133	96.8	47.1	141.3	
119	67.5	34.5	103.6	





#67

Ethyl Benzene

Concen: 21.579 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 91 Resp: 202541

Ion Ratio Lower Upper

91 100

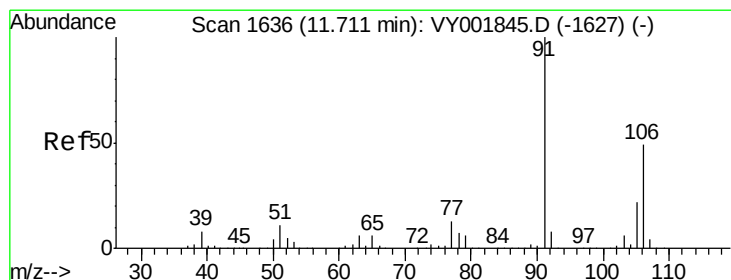
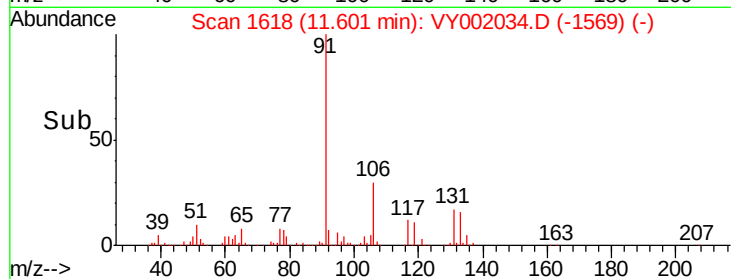
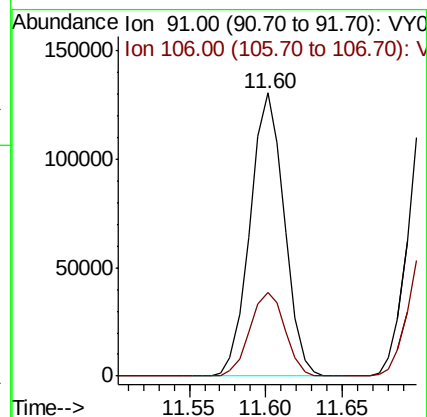
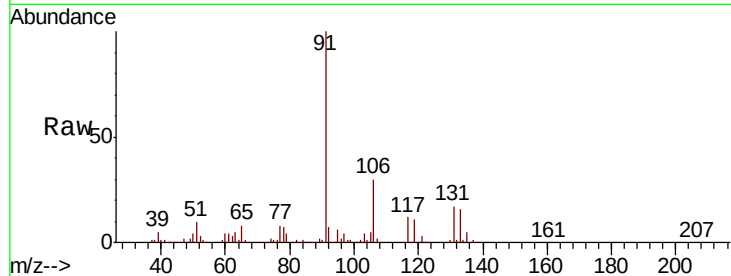
106 29.6 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.414 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002034.D

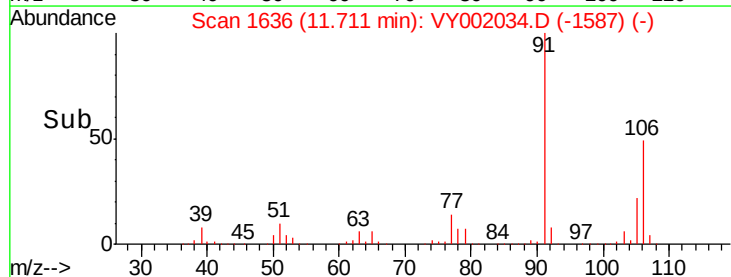
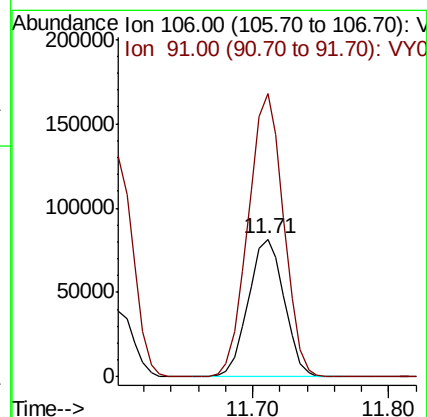
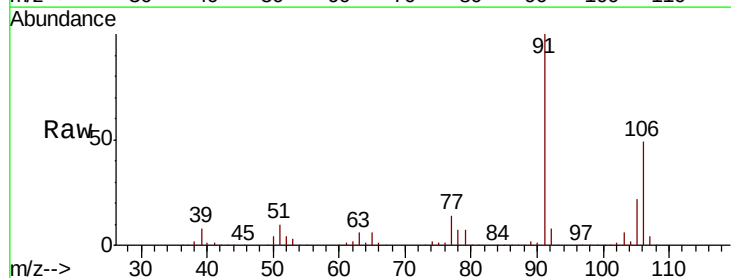
Acq: 20 Mar 2020 12:09

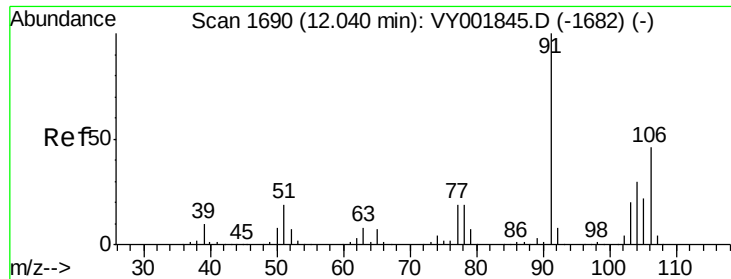
Tgt Ion: 106 Resp: 150654

Ion Ratio Lower Upper

106 100

91 203.5 161.3 241.9





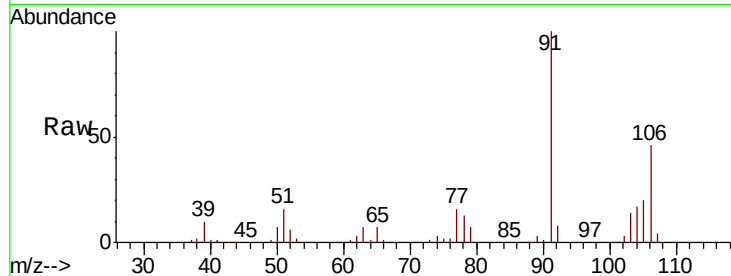
#69
o-Xylene
Concen: 21.828 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

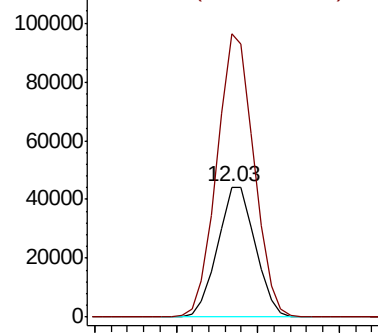
Tot Ion:106 Resp: 71394
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4

Manual Integrations
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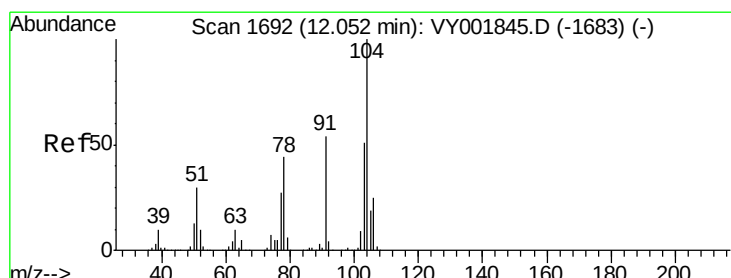
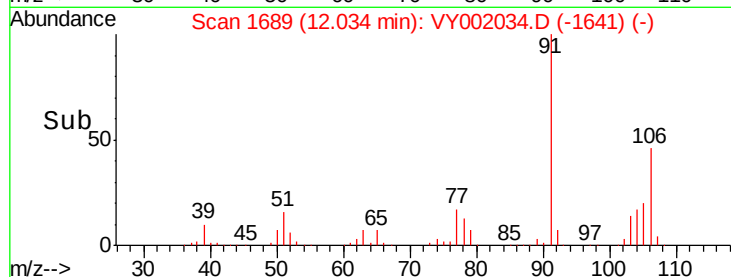
MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

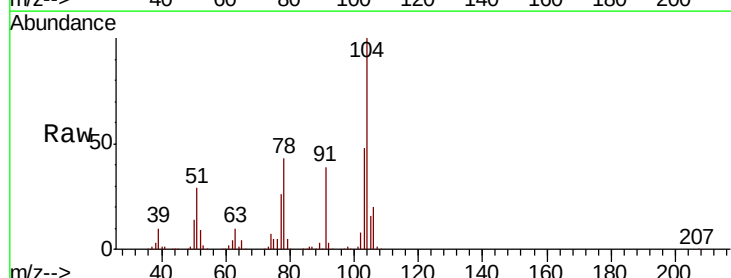


Time--> 11.95 12.00 12.05 12.10

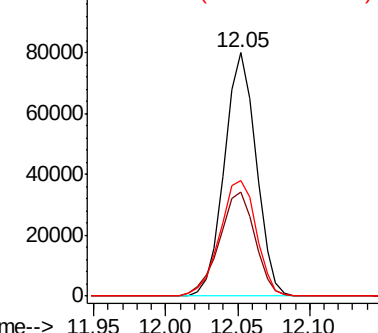


#70
Styrene
Concen: 21.754 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

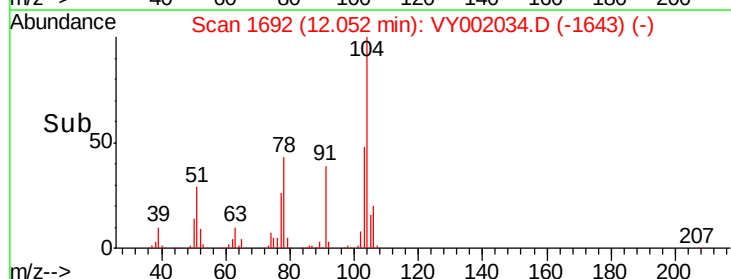
Tgt Ion:104 Resp: 121864
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 54.6 42.9 64.3

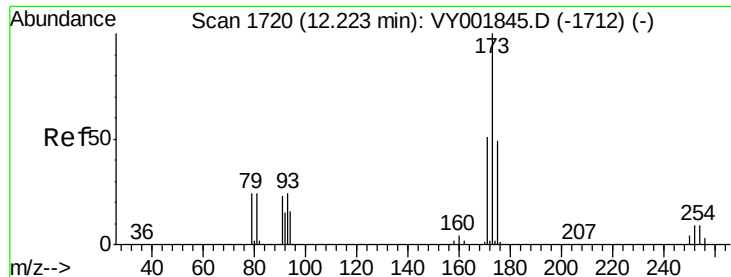


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V



Time--> 11.95 12.00 12.05 12.10





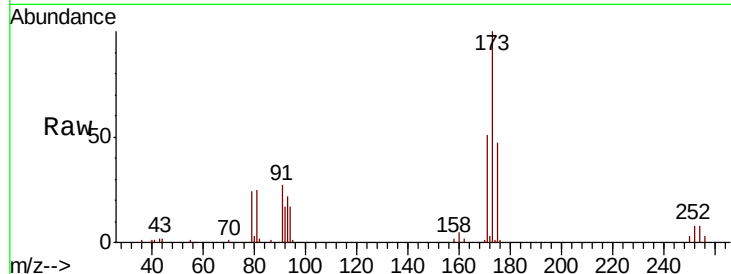
#71
Bromoform
Concen: 21.534 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0

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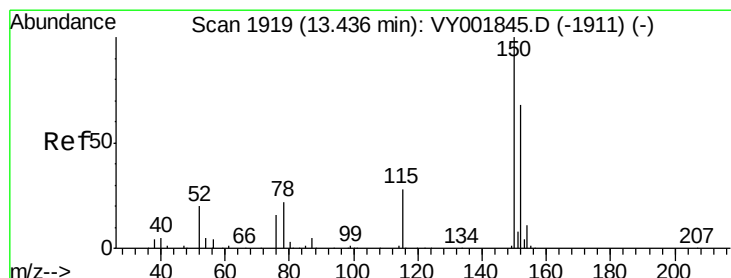
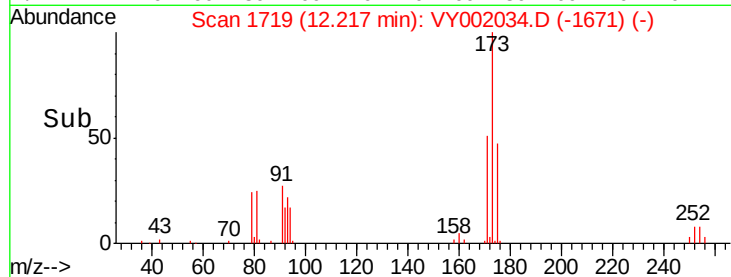
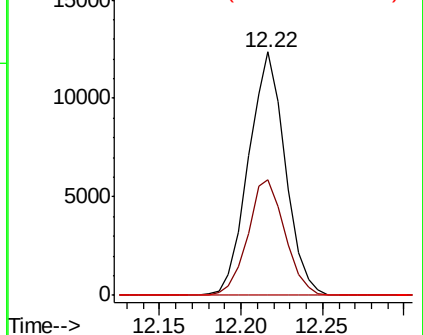


Abundance

Ion 172.70 (172.40 to 173.40): V

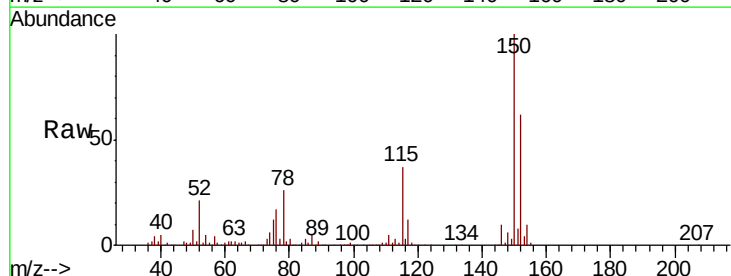
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.9	89.7
150	165.8	0.0	340.6

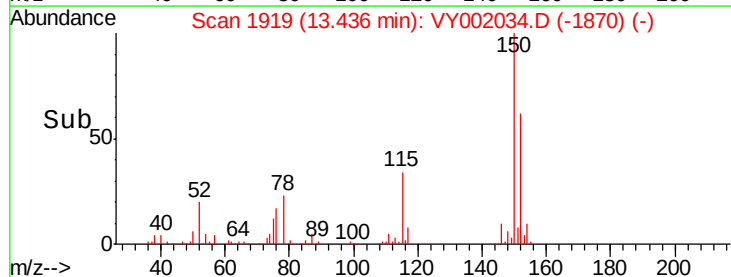
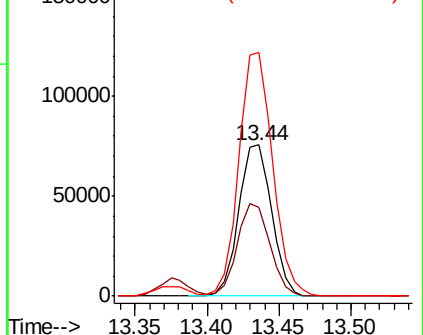


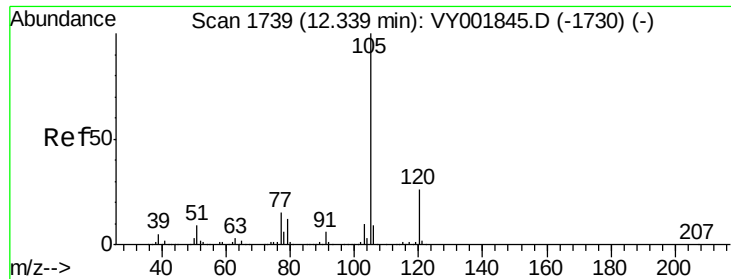
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.880 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion: 105 Resp: 191011

Ion Ratio Lower Upper

105 100

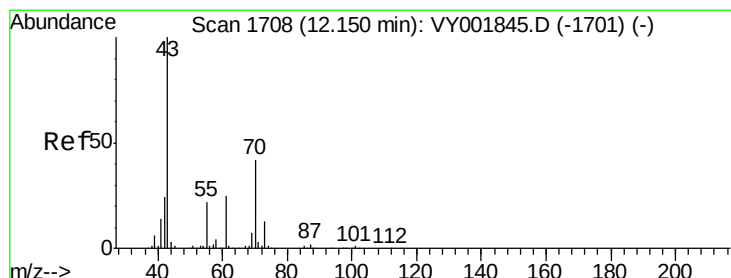
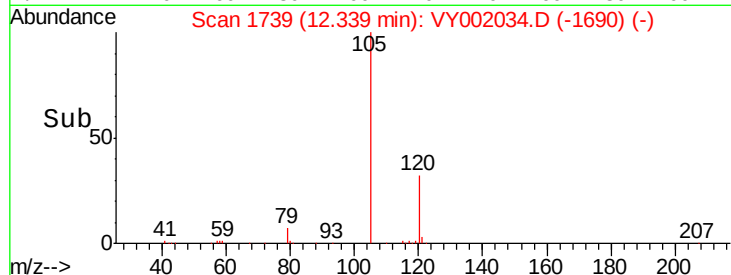
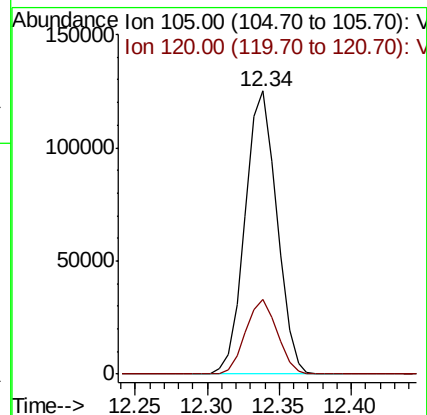
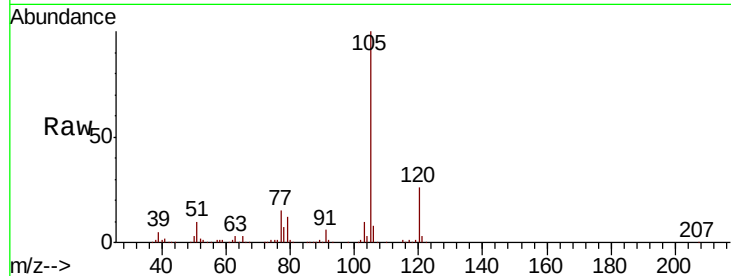
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.004 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion: 43 Resp: 59053

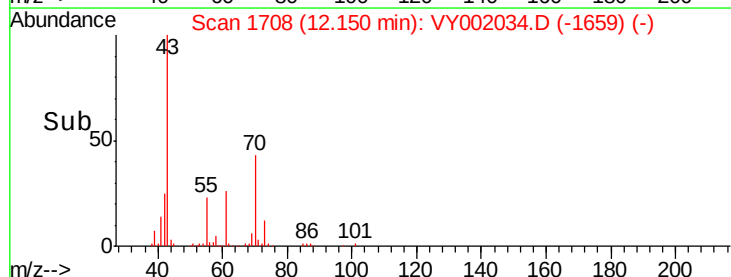
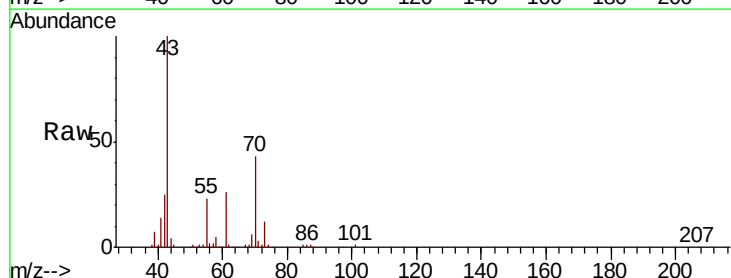
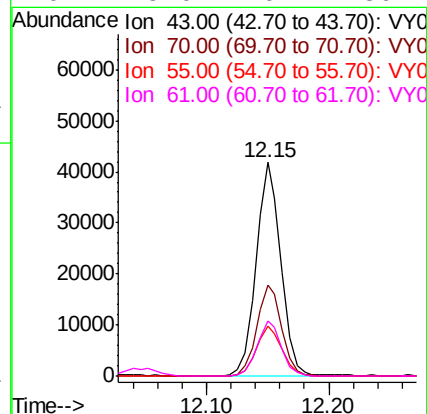
Ion Ratio Lower Upper

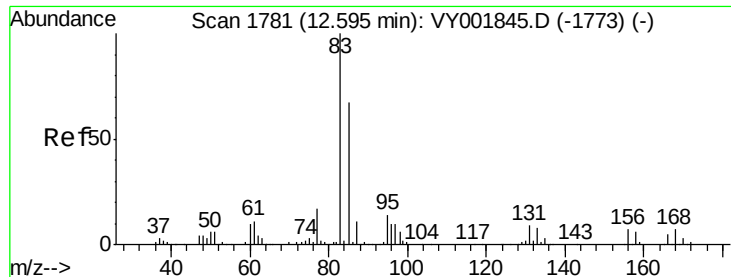
43 100

70 42.8 34.7 52.1

55 24.1 18.2 27.4

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.844 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

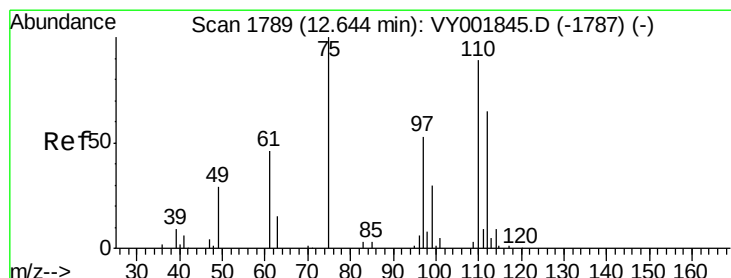
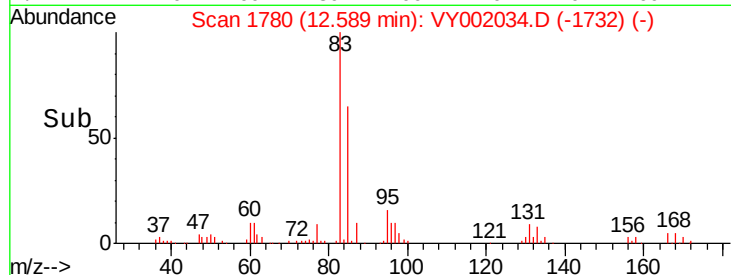
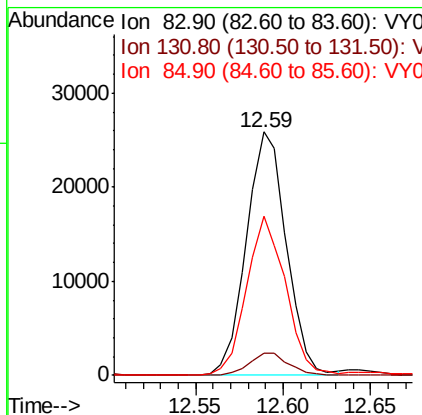
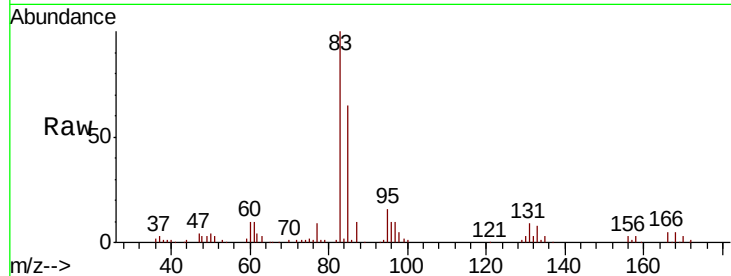
ClientSampleId :

VY0320SBS01

Tot Ion:	83	Resp:	41120
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.6	13.8
85	63.7	32.1	96.3

Manual Integrations
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3/23/2020 2:21:25 PM



#76

1,2,3-Trichloropropane

Concen: 22.320 ug/l m

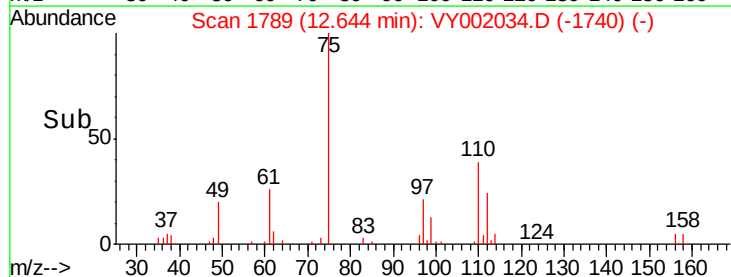
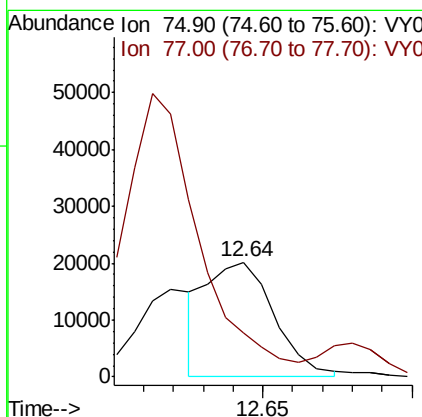
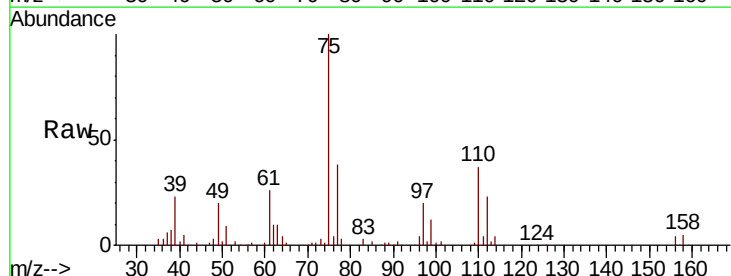
RT: 12.64 min Scan# 1789

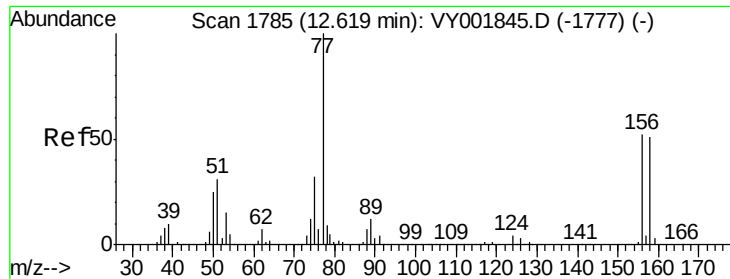
Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion:	75	Resp:	31738
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.179 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion:156 Resp: 41049

Ion Ratio Lower Upper

156 100

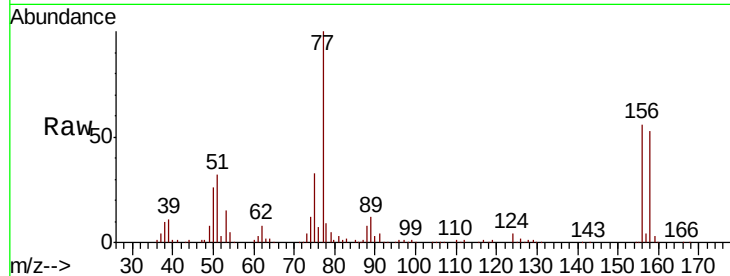
77 216.2 109.0 327.0

158 95.8 48.9 146.8

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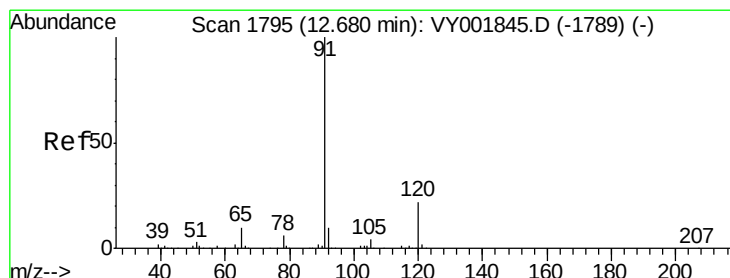
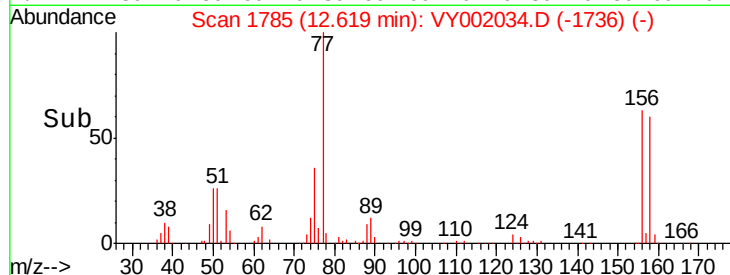
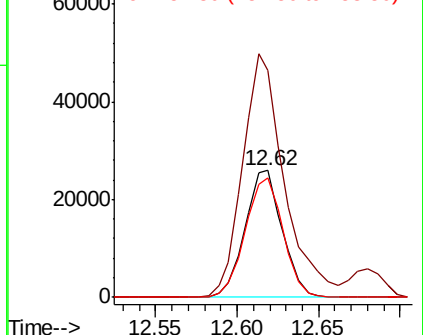
3/23/2020 2:21:25 PM



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: 20.970 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002034.D

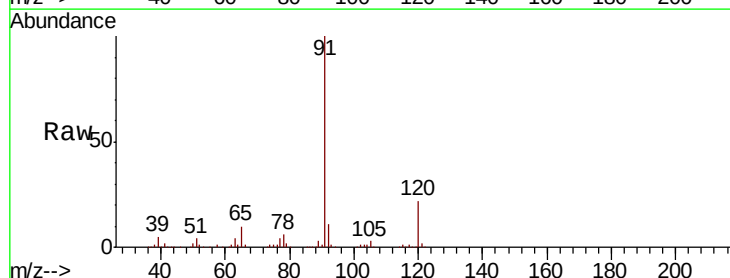
Acq: 20 Mar 2020 12:09

Tgt Ion: 91 Resp: 236663

Ion Ratio Lower Upper

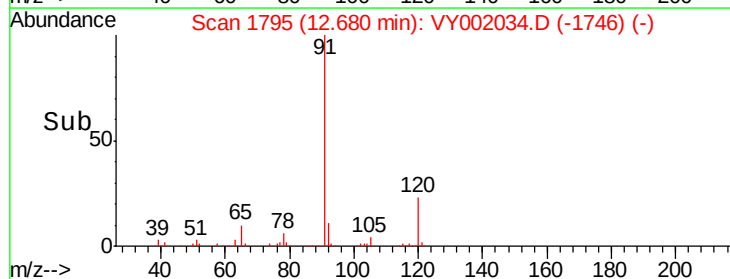
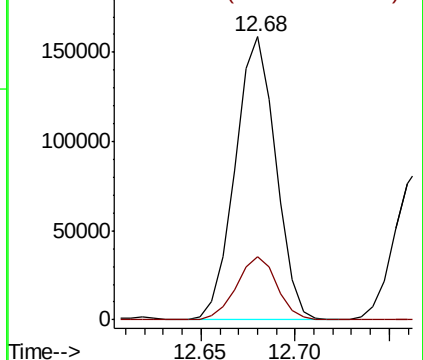
91 100

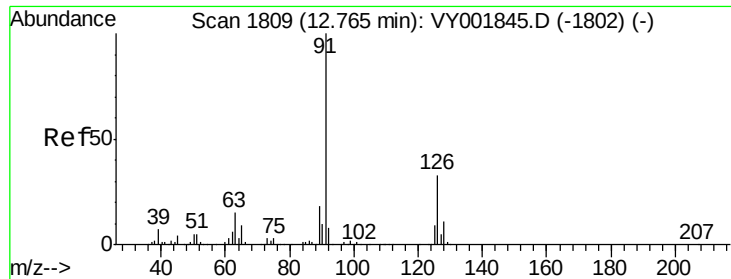
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





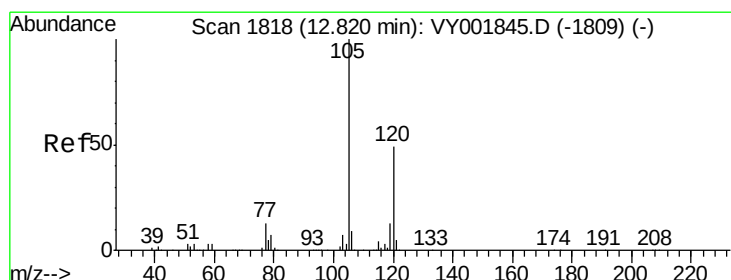
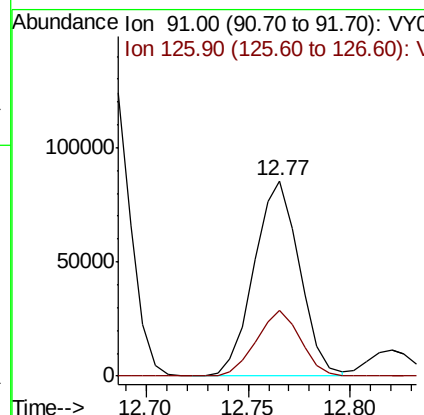
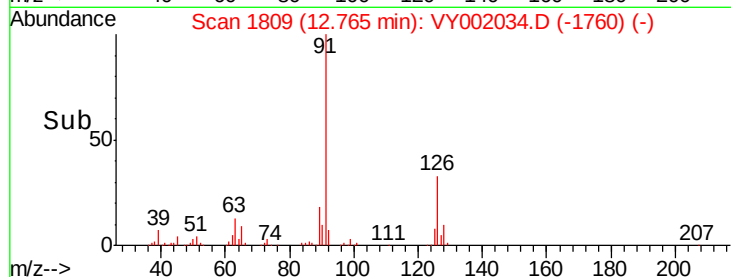
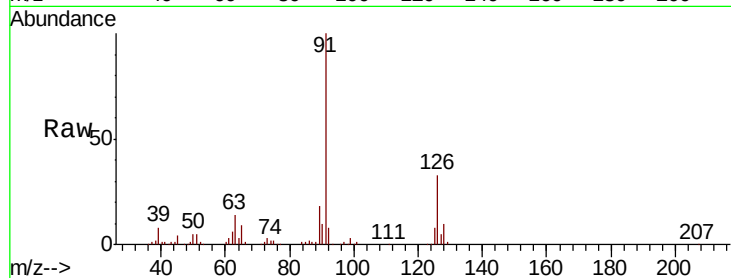
#79
 2-Chlorotoluene
 Concen: 21.184 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion: 91 Resp: 132090
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.8

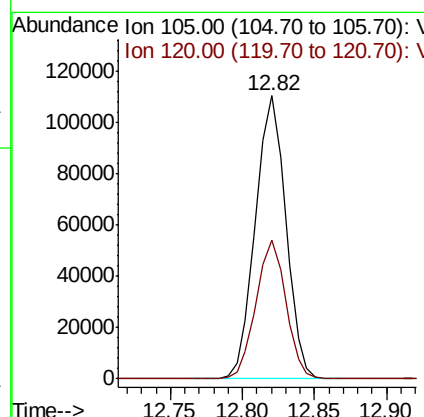
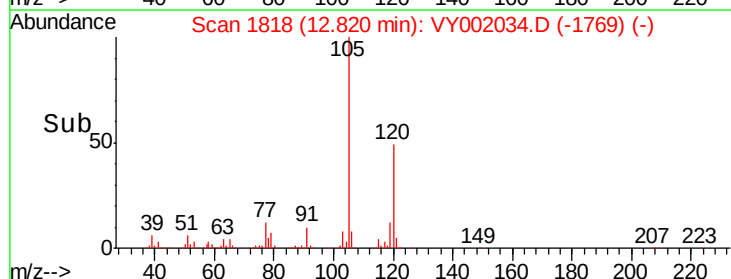
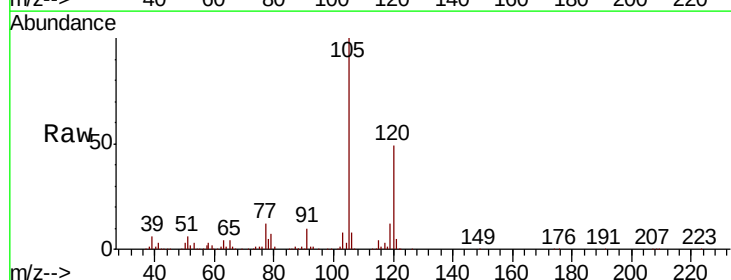
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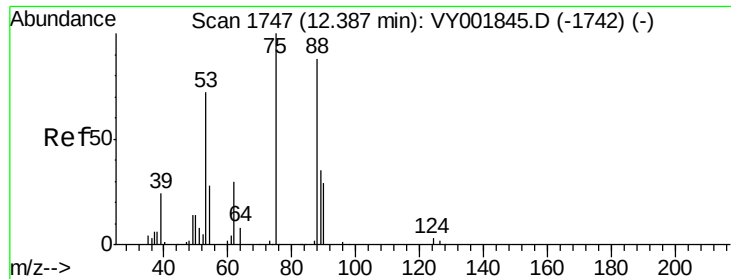
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.442 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion: 105 Resp: 161480
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.206 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

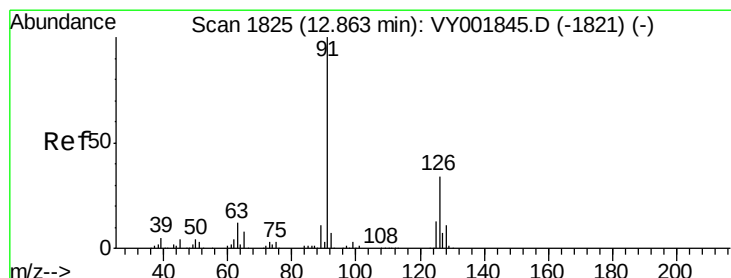
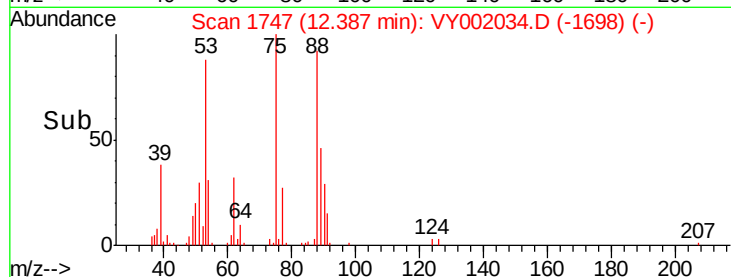
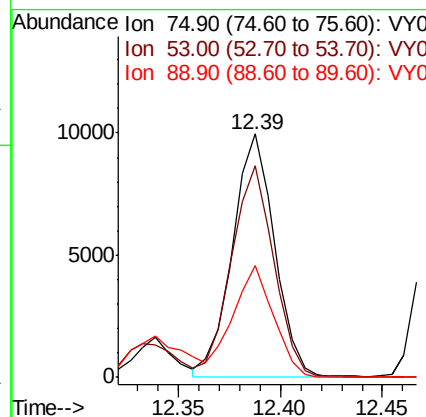
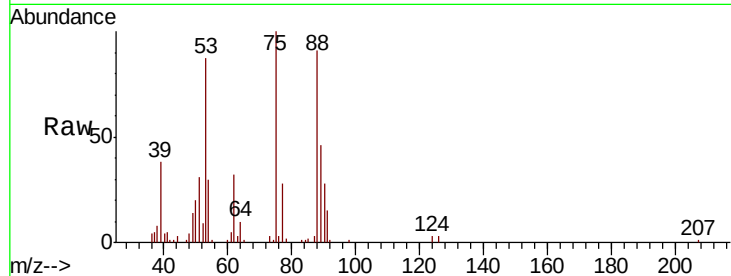
ClientSampleId :

VY0320SBS01

Tot Ion:	75	Resp:	14224
Ion	Ratio	Lower	Upper
75	100		
53	88.5	65.4	98.0
89	44.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.560 ug/l

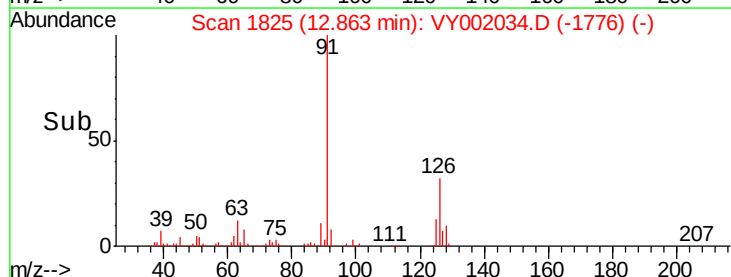
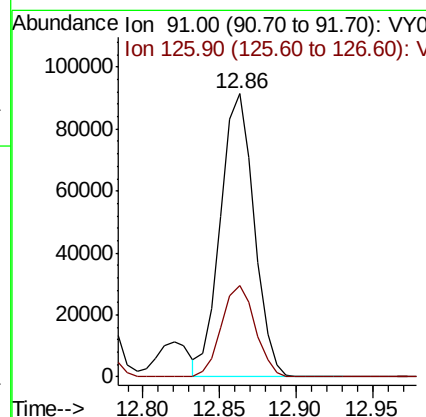
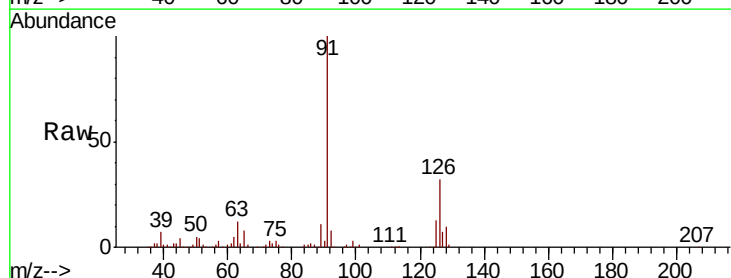
RT: 12.86 min Scan# 1825

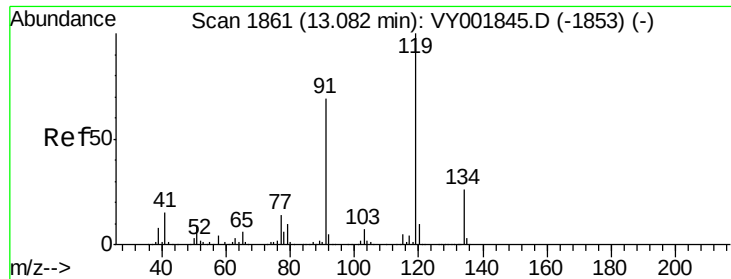
Delta R.T. -0.00 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Tgt Ion:	91	Resp:	139973
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.2





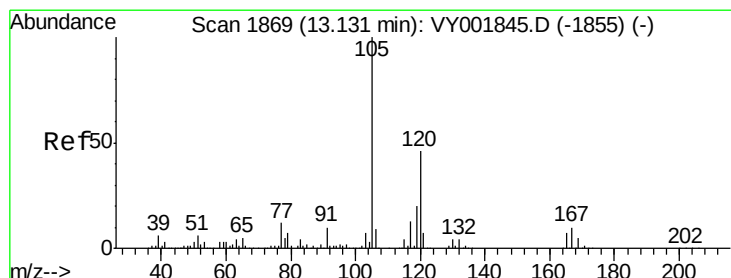
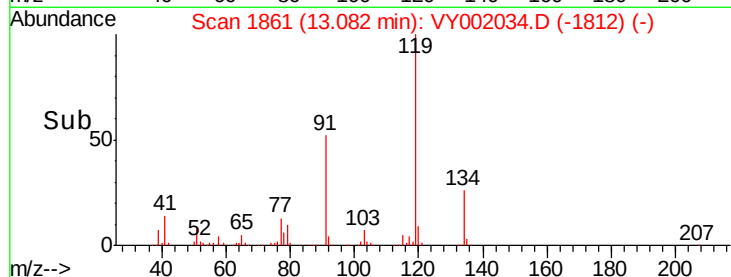
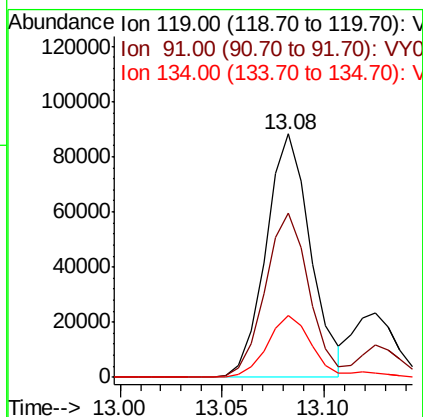
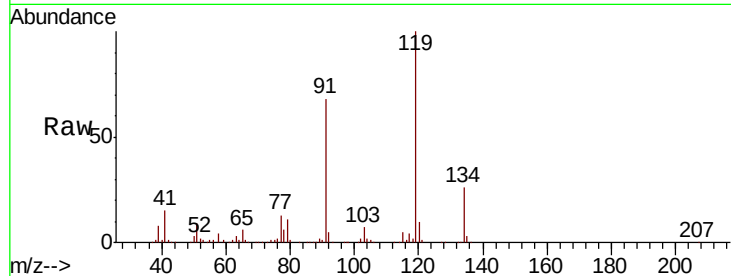
#83
tert-Butylbenzene
Concen: 21.490 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134420		
91	66.3	34.0	101.8	
134	25.3	13.5	40.4	

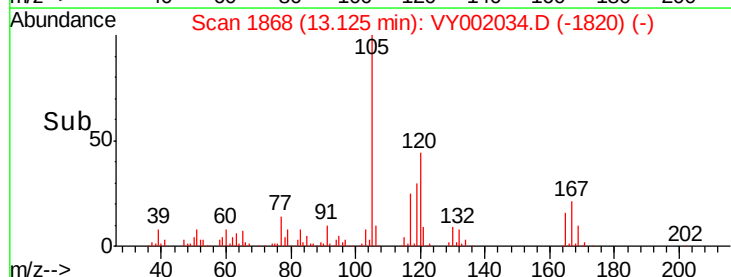
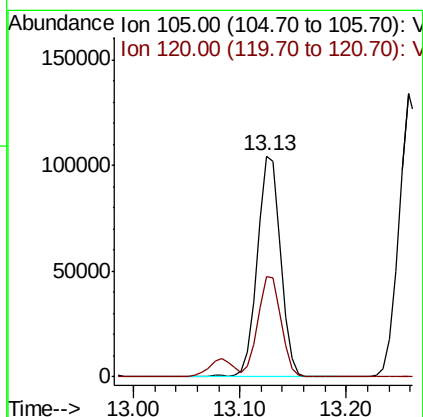
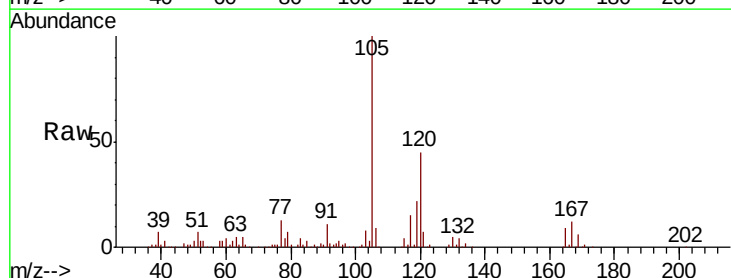
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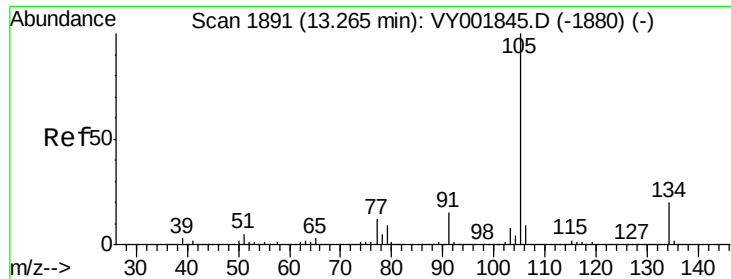
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.438 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	160228		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.505 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VY0320SBS01

Tot Ion:105 Resp: 198274

Ion Ratio Lower Upper

105 100

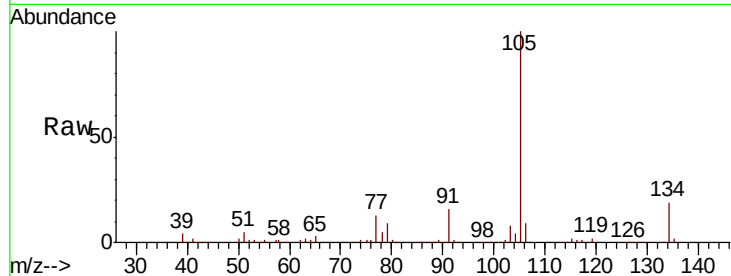
134 19.1 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

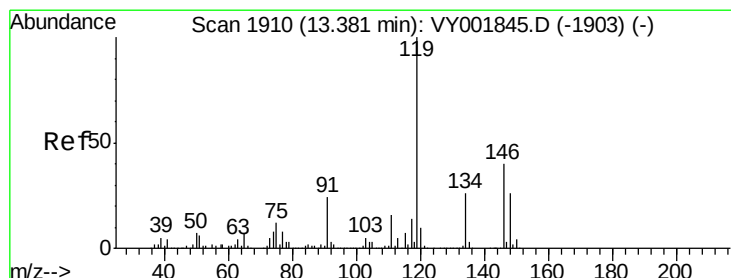
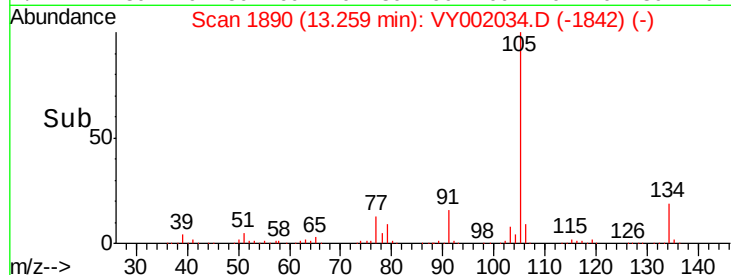
100000

50000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.862 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002034.D

Acq: 20 Mar 2020 12:09

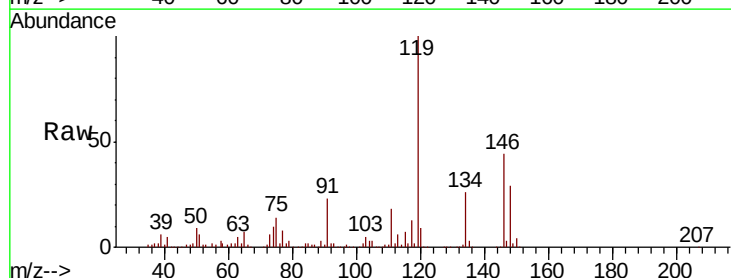
Tgt Ion:119 Resp: 173877

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 23.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

150000

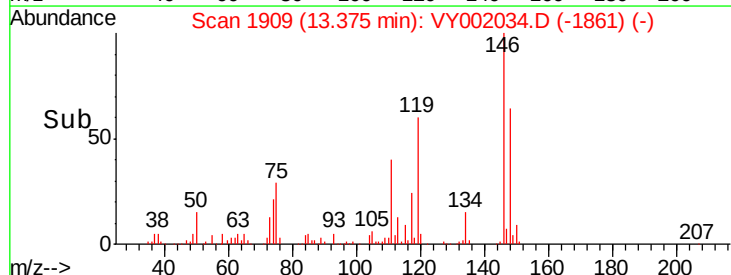
100000

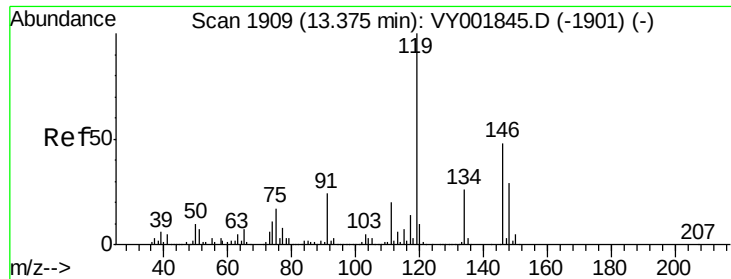
50000

0

13.30 13.35 13.40 13.45

Time-->





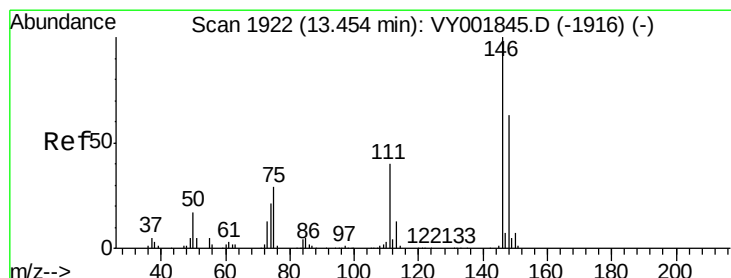
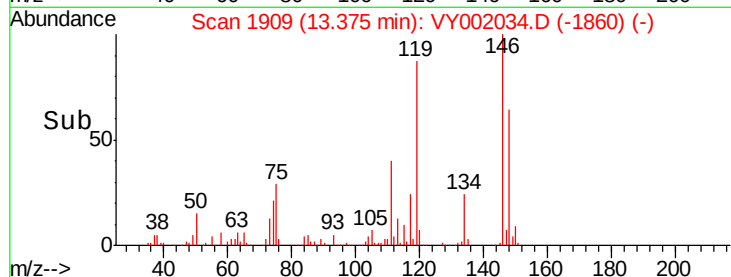
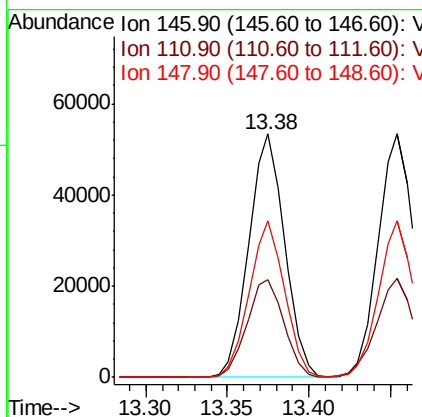
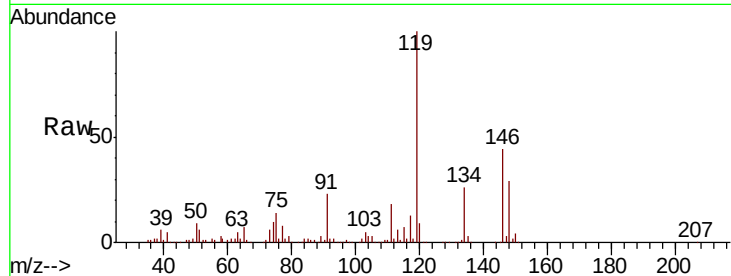
#87
 1,3-Dichlorobenzene
 Concen: 21.456 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.2	31.4	94.0

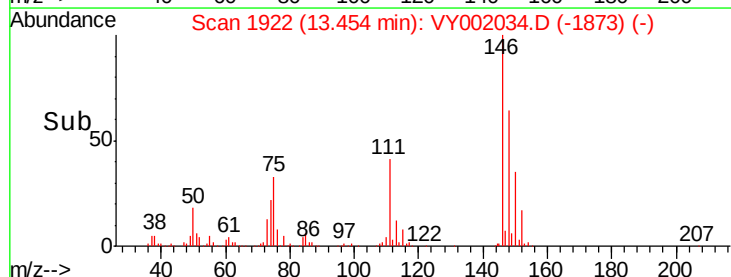
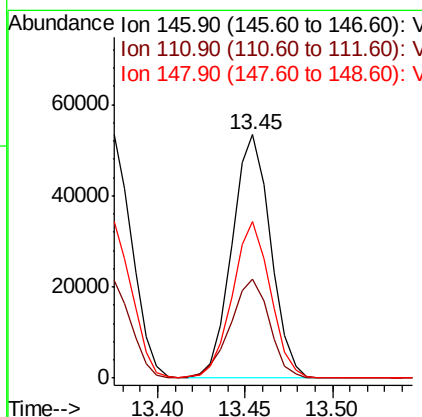
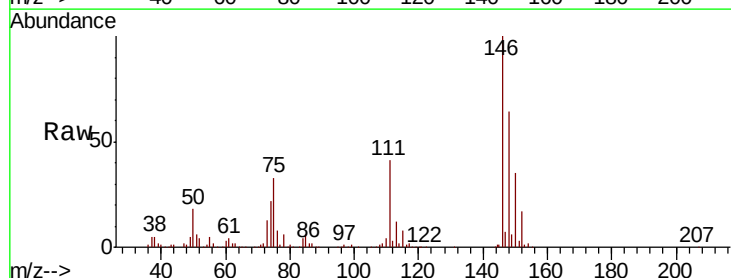
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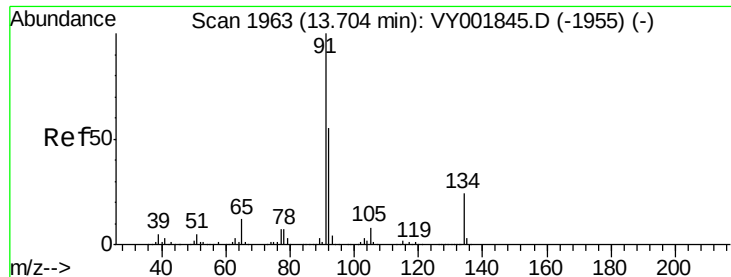
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#88
 1,4-Dichlorobenzene
 Concen: 21.198 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	60.0
148	63.4	31.5	94.5





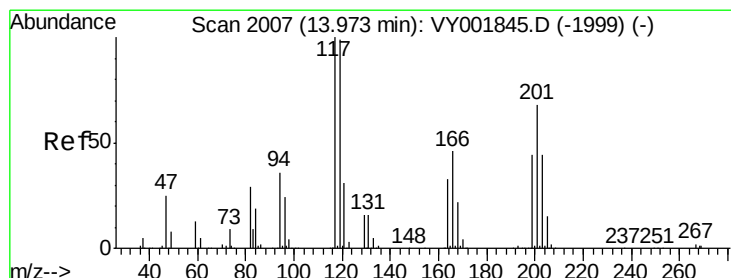
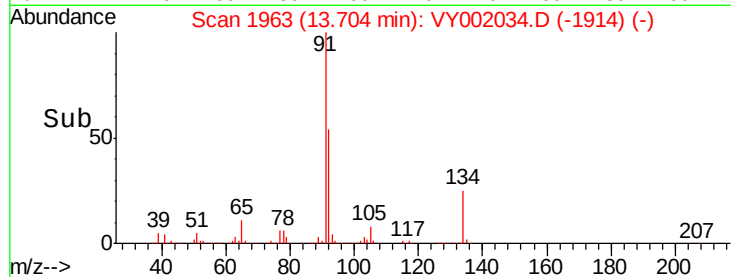
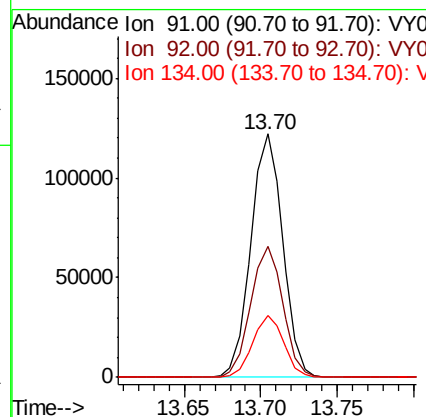
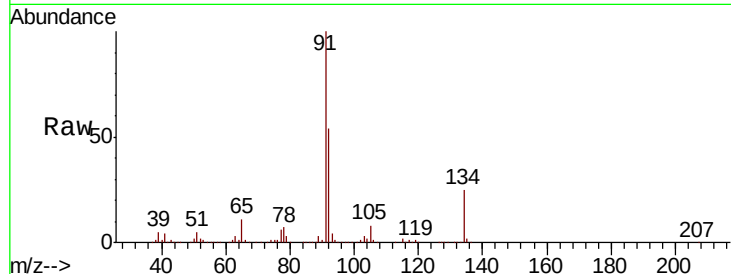
#89
n-Butylbenzene
Concen: 21.475 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	24.9	12.5	37.5

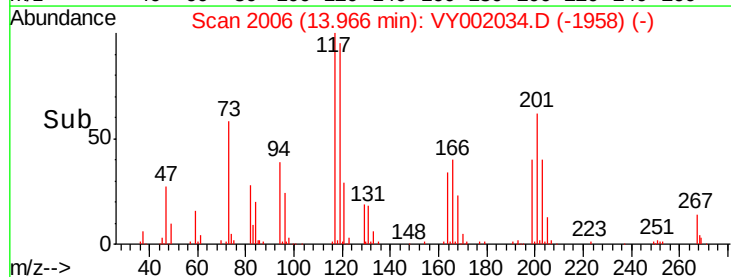
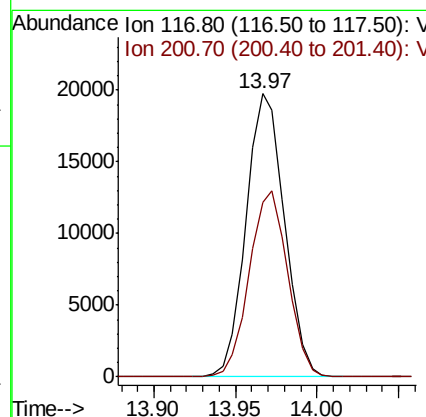
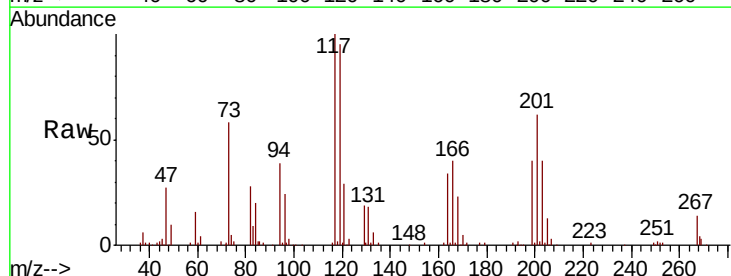
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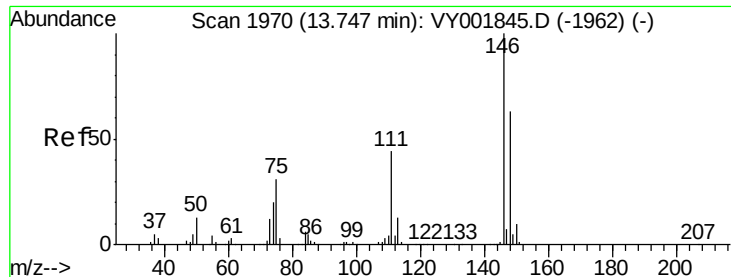
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#90
Hexachloroethane
Concen: 21.484 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	32.5	97.5





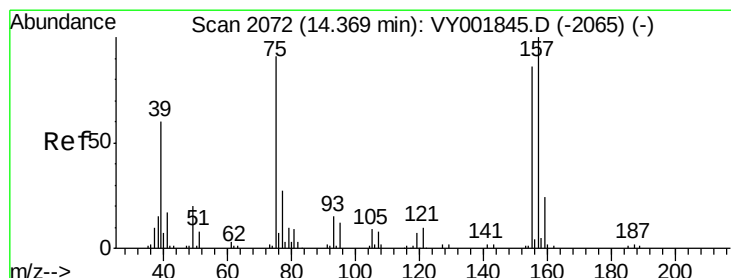
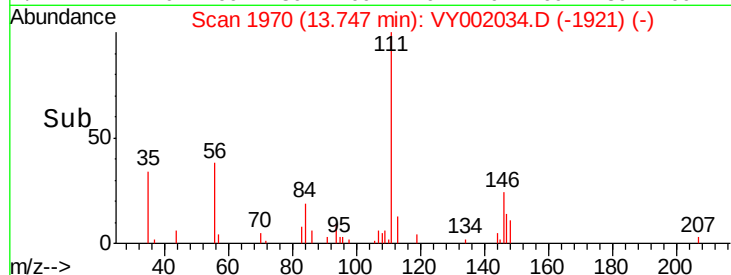
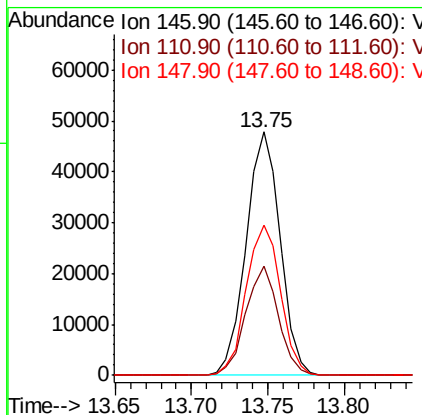
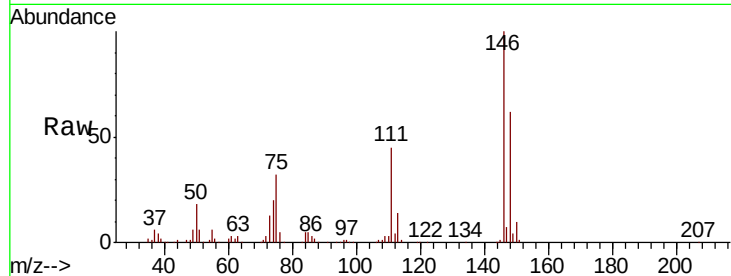
#91
 1,2-Dichlorobenzene
 Concen: 21.474 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	62.3	32.0	96.0

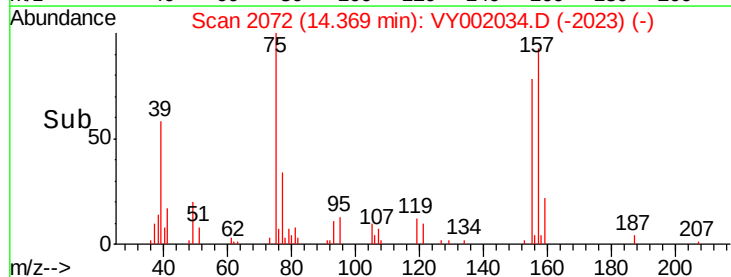
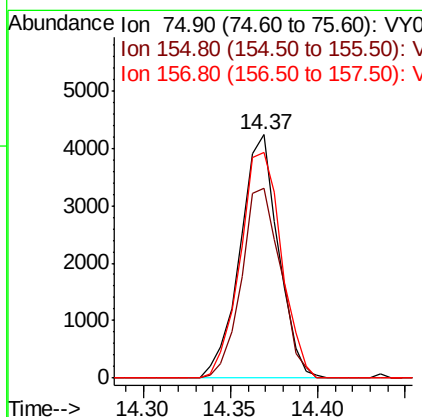
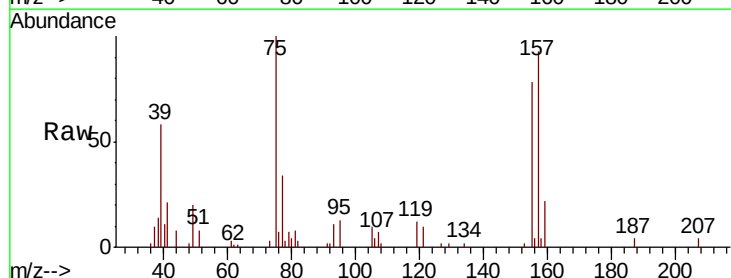
Manual Integrations
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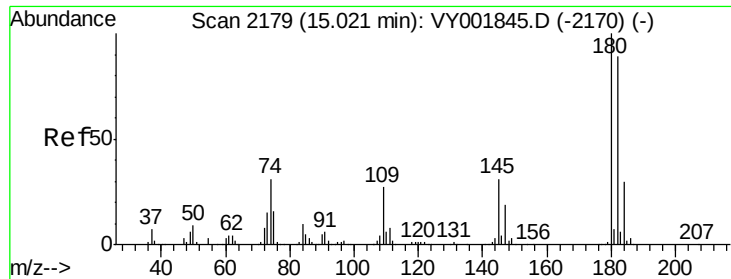
MMDadoda
 3/23/2020 2:21:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.953 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002034.D
 Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	42.9	128.7
157	100.1	53.1	159.4





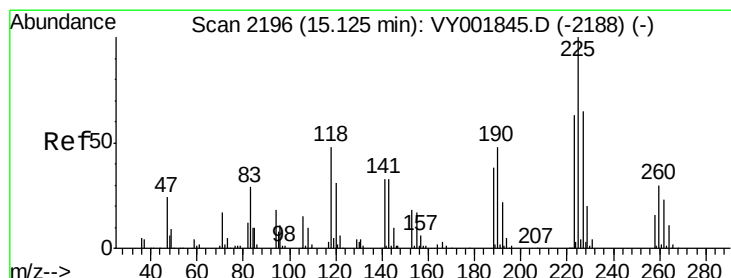
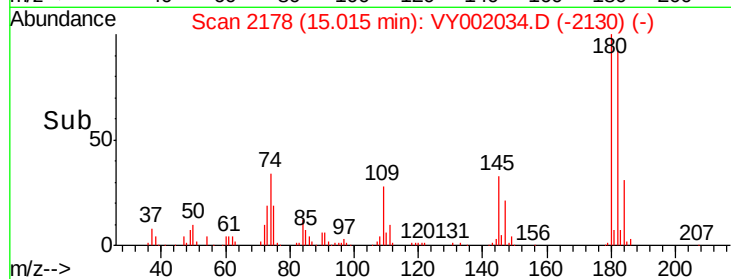
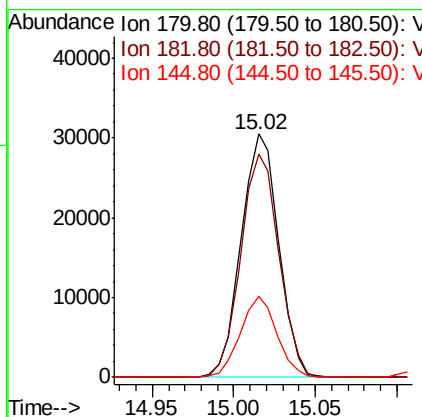
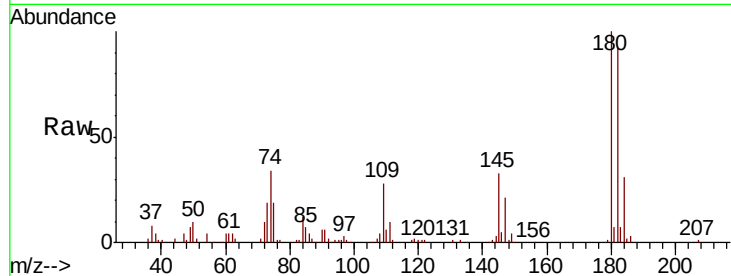
#93
1,2,4-Trichlorobenzene
Concen: 21.876 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.1	138.3
145	32.3	15.6	46.8

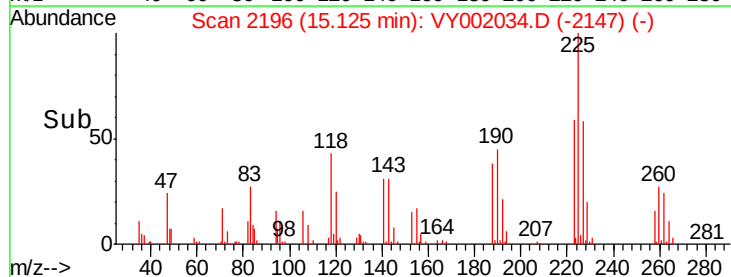
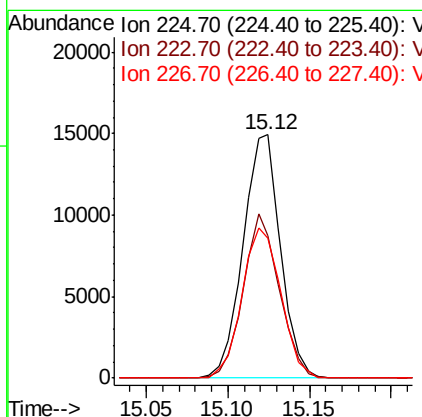
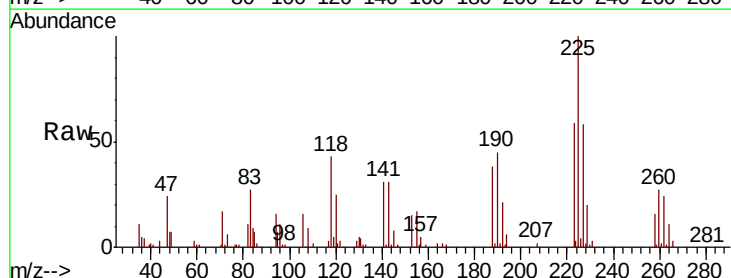
Manual Integrations
APPROVED

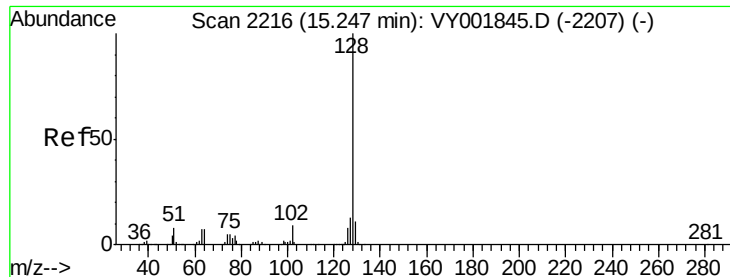
MMDadoda
3/23/2020 2:21:25 PM



#94
Hexachlorobutadiene
Concen: 21.828 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.5	94.5
227	63.8	31.9	95.5





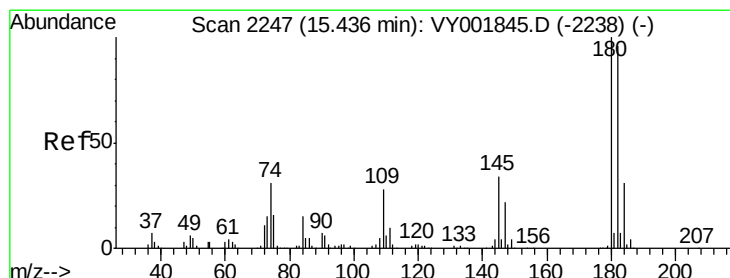
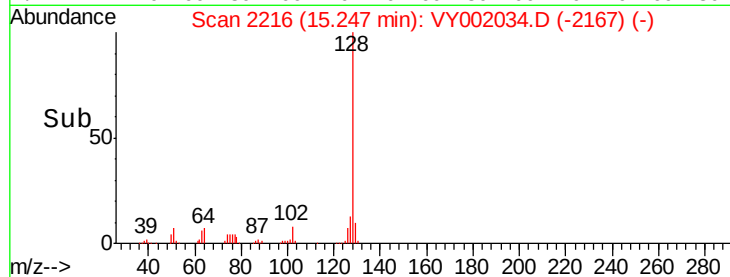
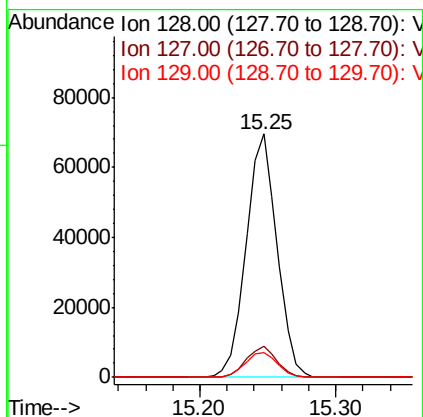
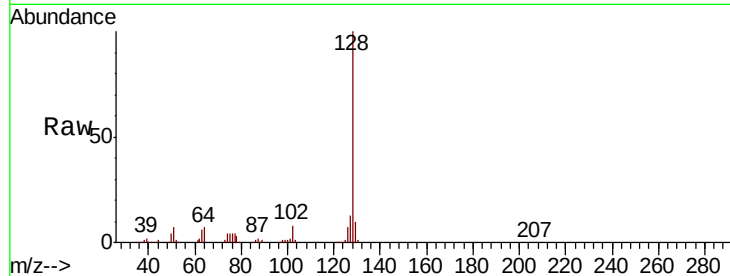
#95
Naphthalene
Concen: 20.824 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VY0320SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:21:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.692 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002034.D
Acq: 20 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.6	142.9
145	33.8	16.8	50.3

