

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001794.D
 Acq On : 28 Feb 2020 11:02
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:54 AM

Quant Time: Feb 28 13:13:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	175025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	313028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	281534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	93428	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.74	113	88456	49.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.19	98	363176	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.49	95	129422	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29540	17.314	ug/l	97
3) Chloromethane	2.12	50	42810	18.656	ug/l	98
4) Vinyl Chloride	2.26	62	42587	18.400	ug/l	94
5) Bromomethane	2.66	94	28923	19.994	ug/l	98
6) Chloroethane	2.80	64	27519	19.294	ug/l	93
7) Trichlorofluoromethane	3.14	101	60245	20.337	ug/l	99
8) Diethyl Ether	3.54	74	24037	20.583	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	39730	21.338	ug/l	97
10) Methyl Iodide	4.11	142	42914	18.832	ug/l	99
11) Tert butyl alcohol	4.98	59	26204	105.508	ug/l	96
12) 1,1-Dichloroethene	3.90	96	38051	20.037	ug/l	93
13) Acrolein	3.75	56	14772	77.691	ug/l	99
14) Allyl chloride	4.50	41	69320	20.510	ug/l	99
15) Acrylonitrile	5.19	53	63686	106.393	ug/l	99
16) Acetone	3.97	43	58210	89.359	ug/l	98
17) Carbon Disulfide	4.21	76	116466	18.370	ug/l	99
18) Methyl Acetate	4.50	43	33240	23.431	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	107108	20.257	ug/l	96
20) Methylene Chloride	4.74	84	49160	21.246	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	43056	19.872	ug/l	96
22) Diisopropyl ether	6.14	45	144429	20.809	ug/l	97
23) Vinyl Acetate	6.08	43	450873	99.588	ug/l	99
24) 1,1-Dichloroethane	6.04	63	77162	20.800	ug/l	100
25) 2-Butanone	7.01	43	87101	98.428	ug/l	97
26) 2,2-Dichloropropane	7.01	77	66617	20.640	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	48509	20.283	ug/l	98
28) Bromochloromethane	7.36	49	30880	19.983	ug/l	100
29) Tetrahydrofuran	7.37	42	55226	103.252	ug/l	98
30) Chloroform	7.53	83	72316	19.951	ug/l	100
31) Cyclohexane	7.80	56	78528	19.854	ug/l	# 91
32) 1,1,1-Trichloroethane	7.72	97	60873	19.981	ug/l	98
36) 1,1-Dichloropropene	7.94	75	60379	20.193	ug/l	99
37) Ethyl Acetate	7.10	43	36617	20.518	ug/l	98
38) Carbon Tetrachloride	7.92	117	52789	20.100	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78048	19.675	ug/l	98
40) Benzene	8.17	78	183259	20.840	ug/l	99
41) Methacrylonitrile	7.34	41	17823m	19.890	ug/l	
42) 1,2-Dichloroethane	8.25	62	48223	20.129	ug/l	99
43) Isopropyl Acetate	8.29	43	67981	20.077	ug/l	99
44) Trichloroethene	8.96	130	43814	19.959	ug/l	99
45) 1,2-Dichloropropane	9.23	63	45947	20.863	ug/l	93
46) Dibromomethane	9.31	93	23653	20.534	ug/l	98
47) Bromodichloromethane	9.51	83	56438	20.301	ug/l	98
48) Methyl methacrylate	9.30	41	30244	19.750	ug/l	99
49) 1,4-Dioxane	9.31	88	6482	398.417	ug/l #	77
51) 4-Methyl-2-Pentanone	10.08	43	179256	103.038	ug/l	99
52) Toluene	10.25	92	111111	20.256	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	60731	19.760	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	72253	20.426	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	35844	21.103	ug/l	97
56) Ethyl methacrylate	10.52	69	51598	20.250	ug/l	99
57) 1,3-Dichloropropane	10.80	76	62805	20.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	137249	134.383	ug/l	99
59) 2-Hexanone	10.85	43	128435	98.393	ug/l	98
60) Dibromochloromethane	10.99	129	37438	19.992	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32422	20.188	ug/l	97
64) Tetrachloroethene	10.73	164	37161	21.026	ug/l	97
65) Chlorobenzene	11.53	112	114946	20.450	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	38497	20.304	ug/l	100
67) Ethyl Benzene	11.60	91	213918	20.508	ug/l	99
68) m/p-Xylenes	11.71	106	160210	41.117	ug/l	99
69) o-Xylene	12.04	106	74817	20.197	ug/l	99
70) Styrene	12.05	104	129916	20.180	ug/l	99
71) Bromoform	12.22	173	21093	19.466	ug/l #	99
73) Isopropylbenzene	12.34	105	204054	20.283	ug/l	99
74) N-amyl acetate	12.16	43	62866	19.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44451	20.693	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31175m	20.579	ug/l	
77) Bromobenzene	12.62	156	43888	20.124	ug/l	97
78) n-propylbenzene	12.68	91	252841	20.636	ug/l	100
79) 2-Chlorotoluene	12.77	91	140005	20.373	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	167386	20.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16111	20.177	ug/l	94
82) 4-Chlorotoluene	12.86	91	145354	20.054	ug/l	98
83) tert-Butylbenzene	13.09	119	143449	20.595	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	170058	20.483	ug/l	100
85) sec-Butylbenzene	13.27	105	209990	20.499	ug/l	99
86) p-Isopropyltoluene	13.38	119	182282	20.483	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	86909	20.548	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	85870	20.084	ug/l	99
89) n-Butylbenzene	13.71	91	185749	20.427	ug/l	99
90) Hexachloroethane	13.97	117	33375	19.905	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	77997	19.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6764	19.080	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	50531	19.535	ug/l	99
94) Hexachlorobutadiene	15.12	225	24207	18.817	ug/l	98
95) Naphthalene	15.25	128	115749	19.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	44711	19.647	ug/l	99

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

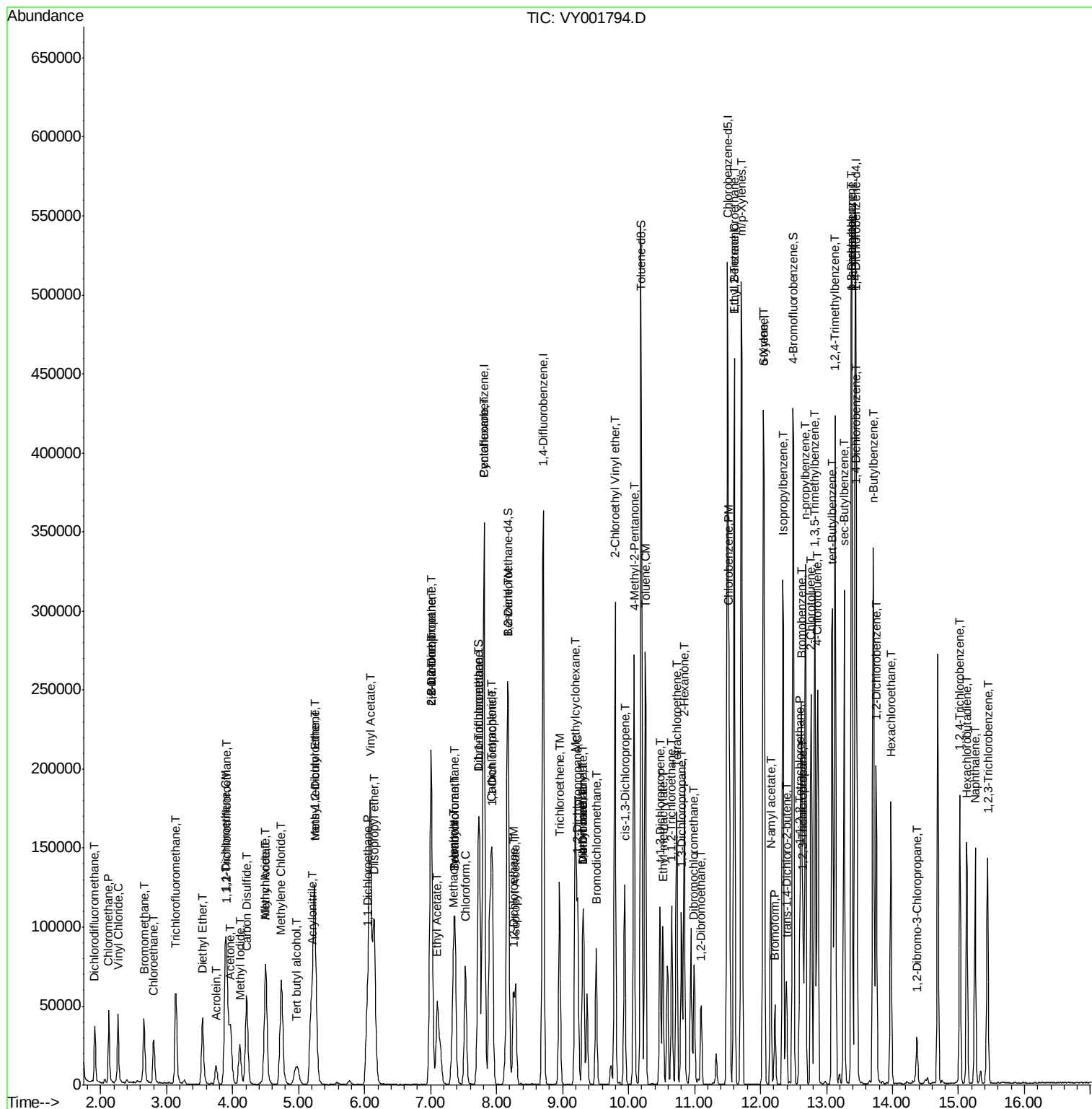
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
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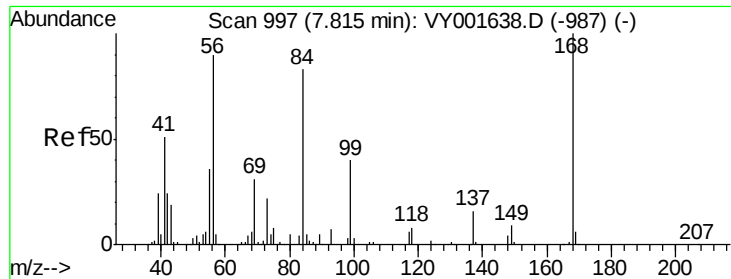
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion:168 Resp: 175025

Ion Ratio Lower Upper

168 100

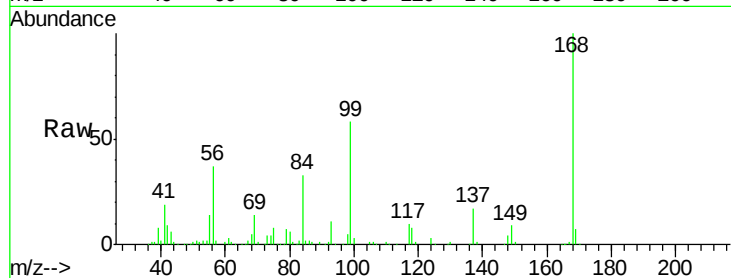
99 57.6 47.5 71.3

Manual Integrations

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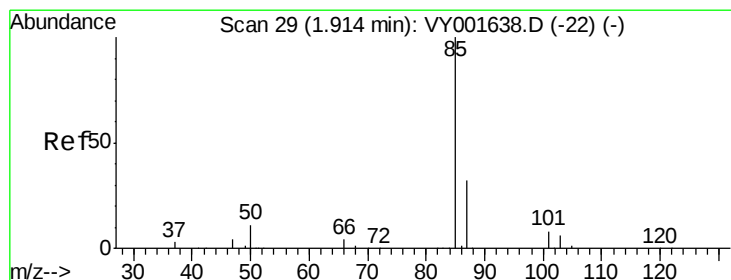
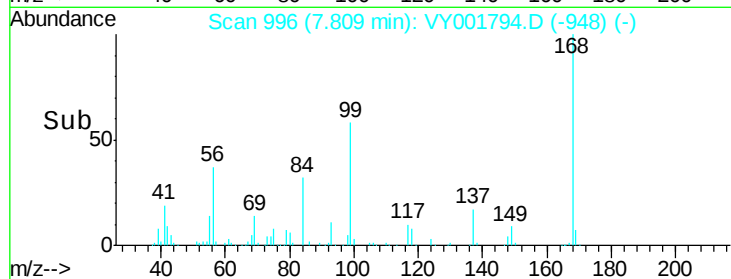
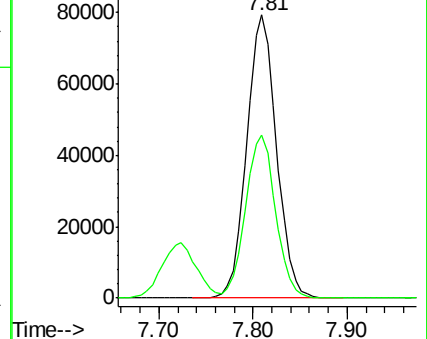
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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 17.314 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001794.D

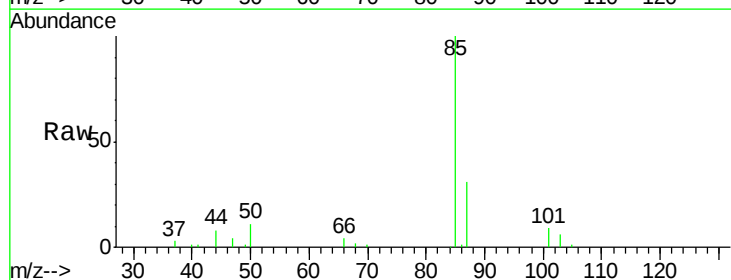
Acq: 28 Feb 2020 11:02

Tgt Ion: 85 Resp: 29540

Ion Ratio Lower Upper

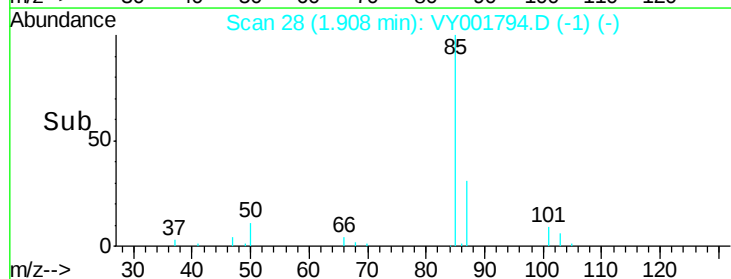
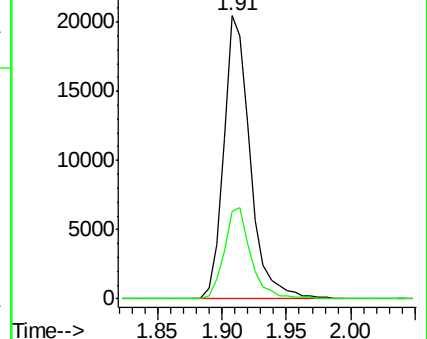
85 100

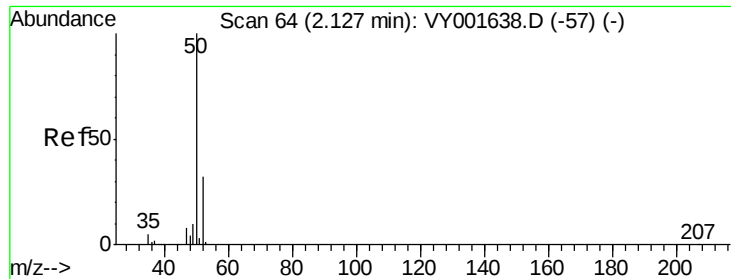
87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 18.656 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 50 Resp: 42810

Ion Ratio Lower Upper

50 100

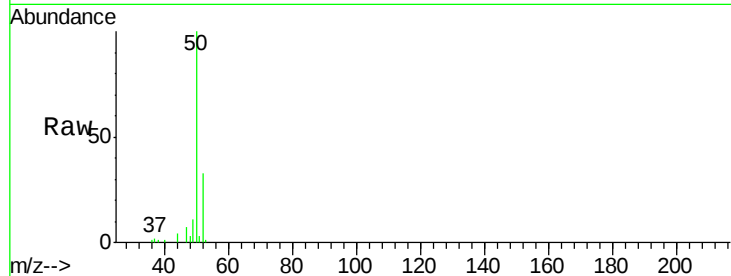
52 33.2 25.8 38.6

Manual Integrations

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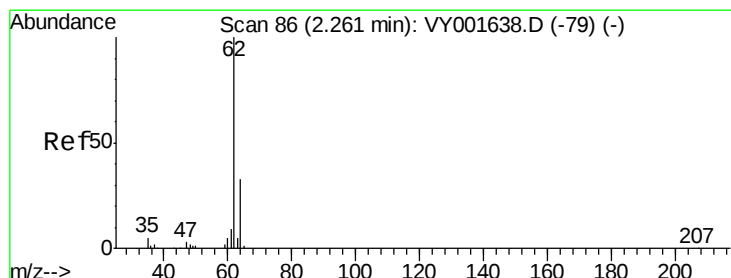
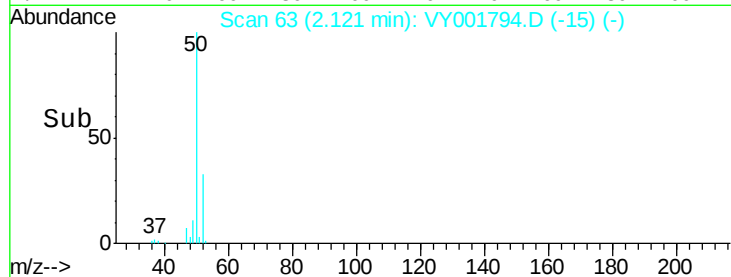
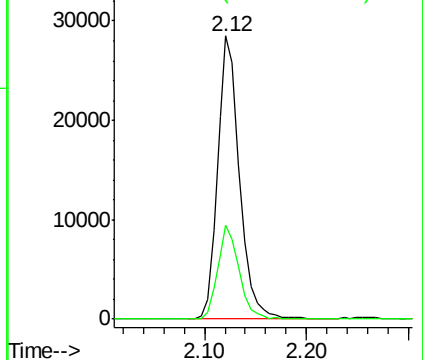
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.400 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001794.D

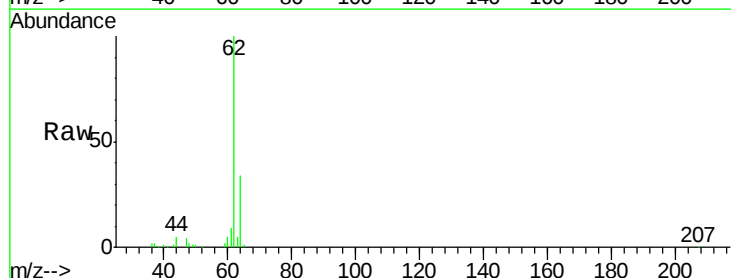
Acq: 28 Feb 2020 11:02

Tgt Ion: 62 Resp: 42587

Ion Ratio Lower Upper

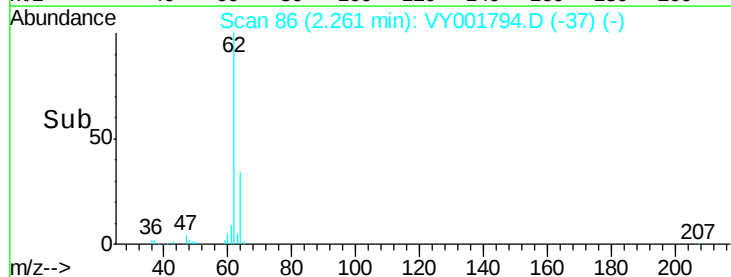
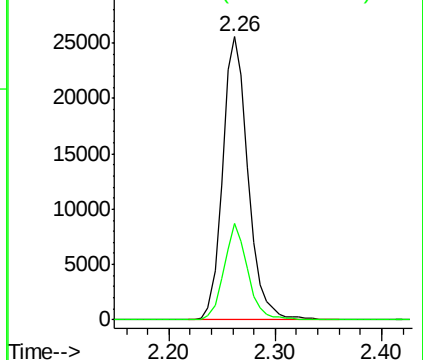
62 100

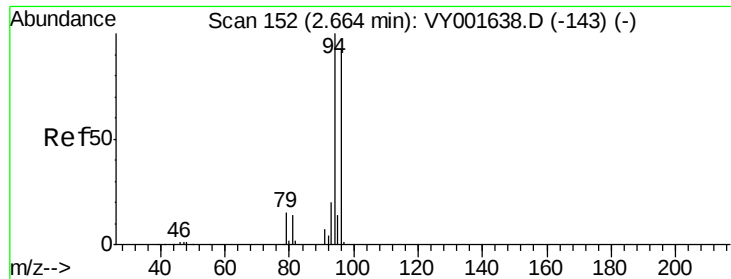
64 34.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.994 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

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Tot Ion: 94 Resp: 28923

Ion Ratio Lower Upper

94 100

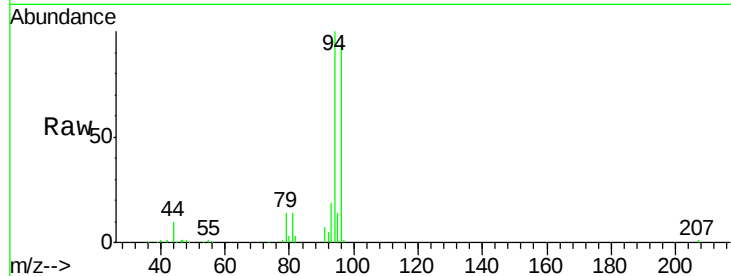
96 93.7 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

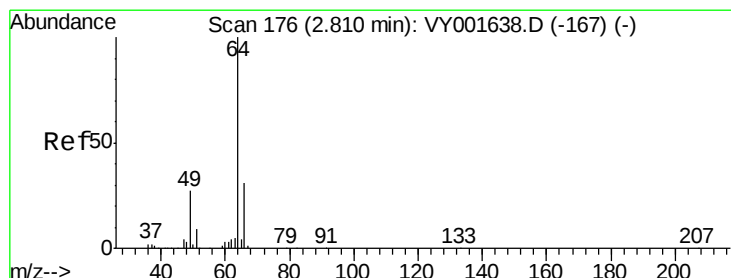
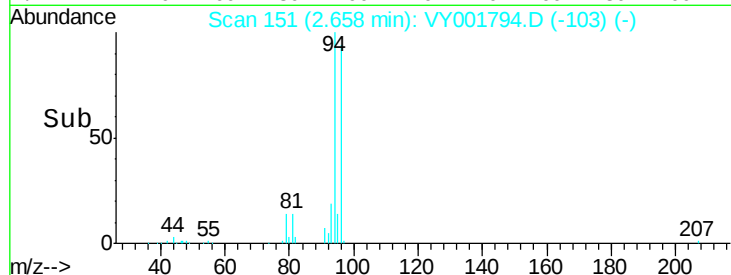
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.294 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001794.D

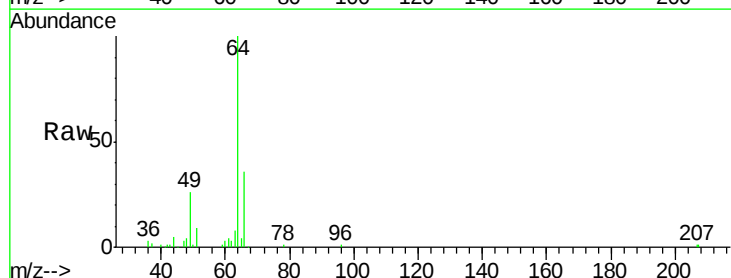
Acq: 28 Feb 2020 11:02

Tgt Ion: 64 Resp: 27519

Ion Ratio Lower Upper

64 100

66 35.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

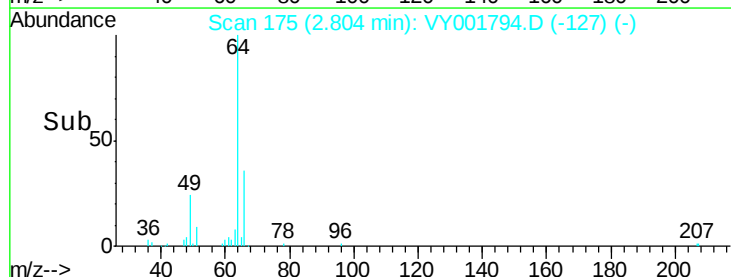
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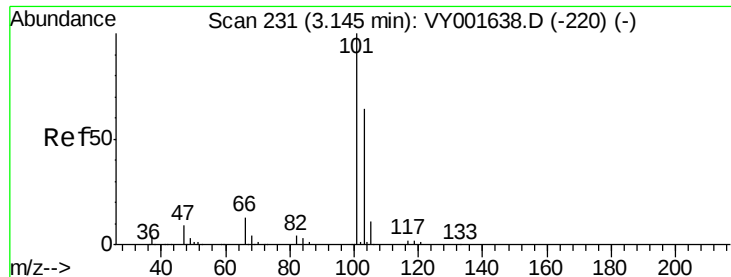
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5000

0

Time-->





#7

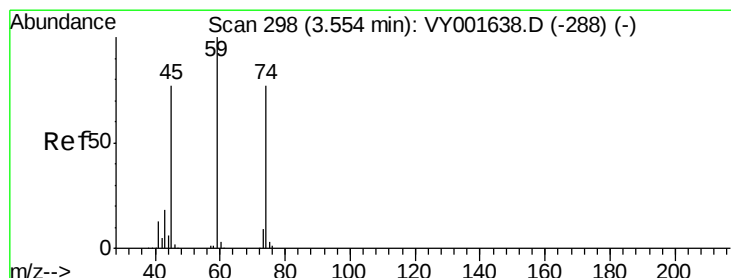
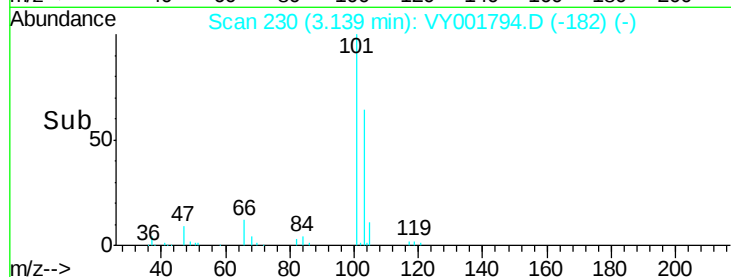
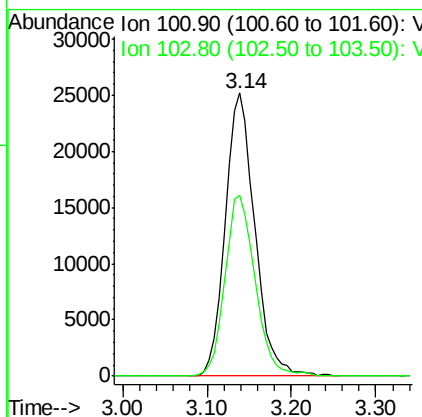
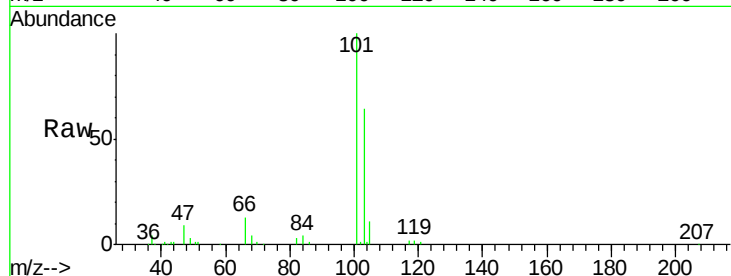
Trichlorofluoromethane
 Concen: 20.337 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

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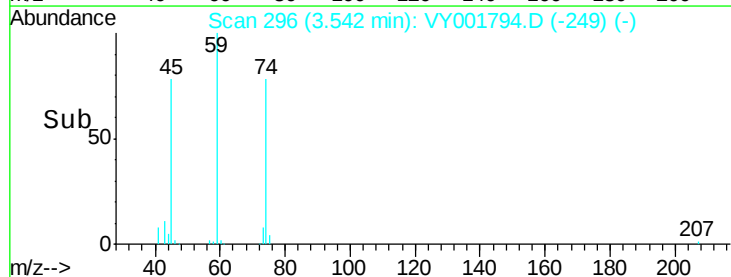
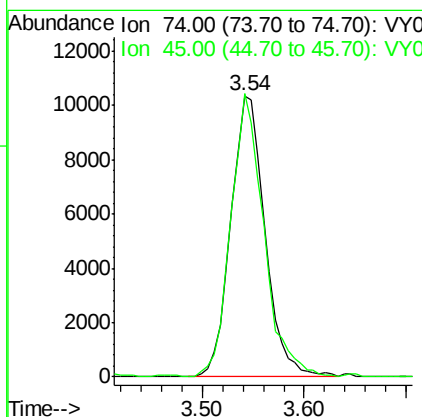
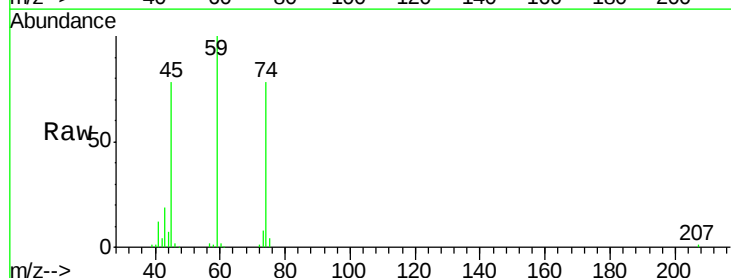
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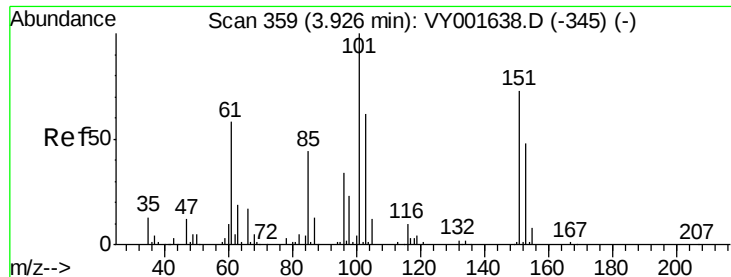


#8

Diethyl Ether
 Concen: 20.583 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.338 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

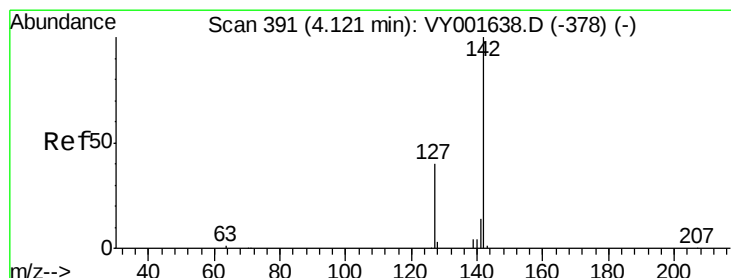
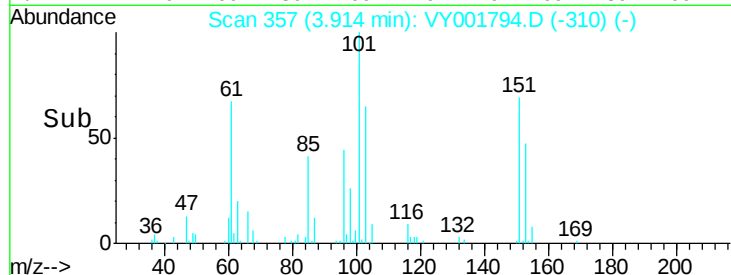
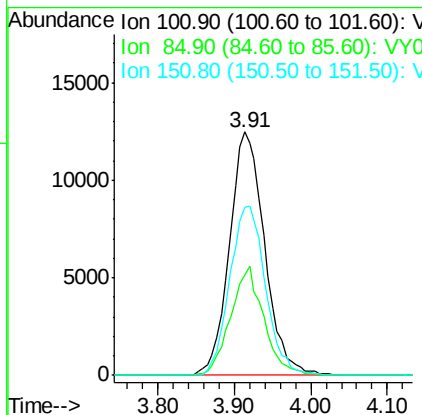
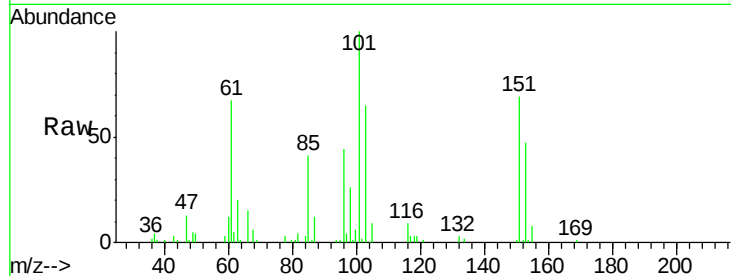
ClientSampleId :

VY0228SBS01

Tot Ion:	101	Resp:	39730
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.1	52.7
151	70.5	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.832 ug/l

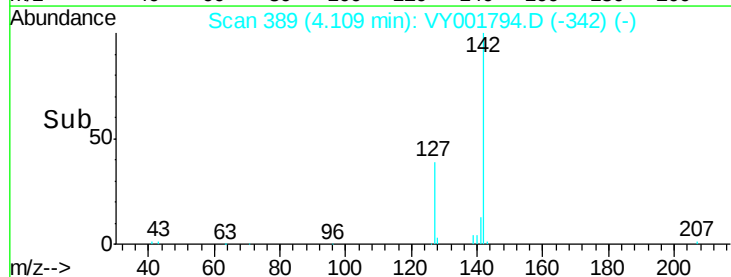
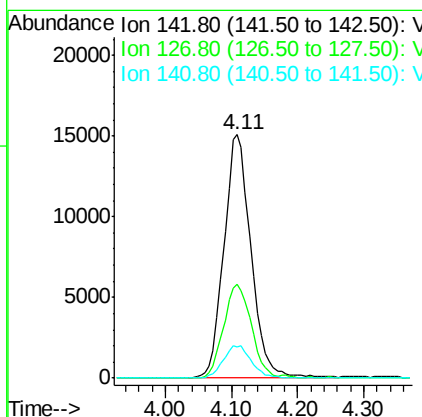
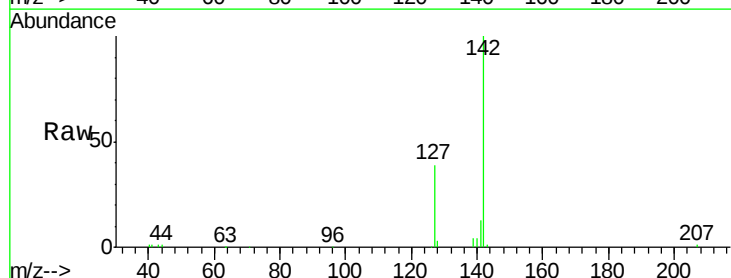
RT: 4.11 min Scan# 389

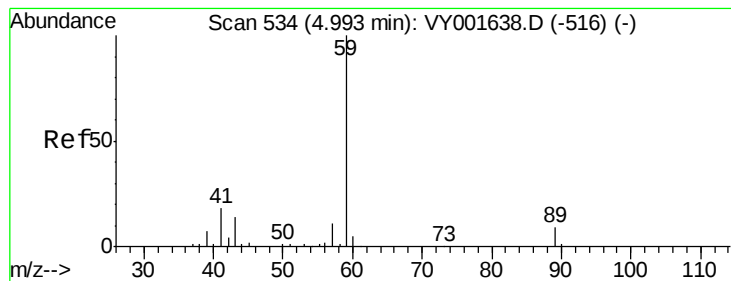
Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion:	142	Resp:	42914
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	13.5	11.3	16.9





#11

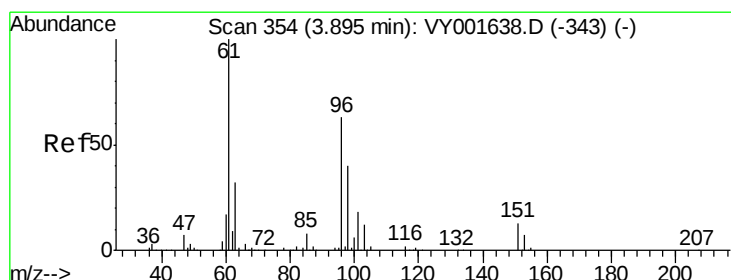
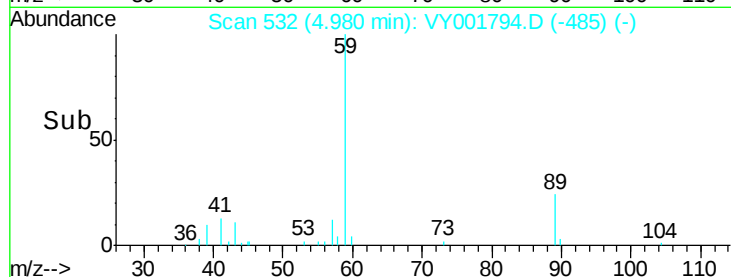
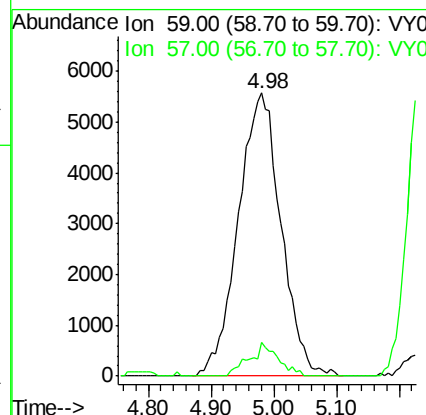
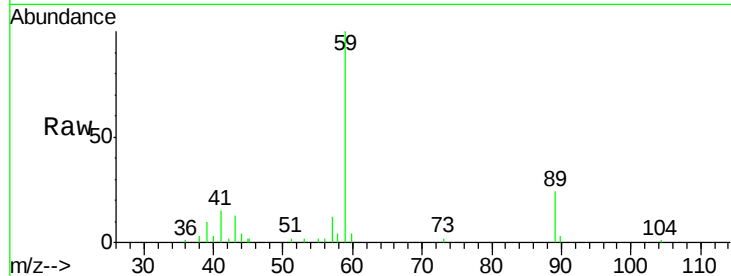
Tert butyl alcohol
 Concen: 105.508 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	59	57	Ratio	100	8.0	Resp	26204	Lower	7.4	Upper	11.2
Ion	59	57	Ratio	100	8.0	Resp	26204	Lower	7.4	Upper	11.2

Manual Integrations
 APPROVED

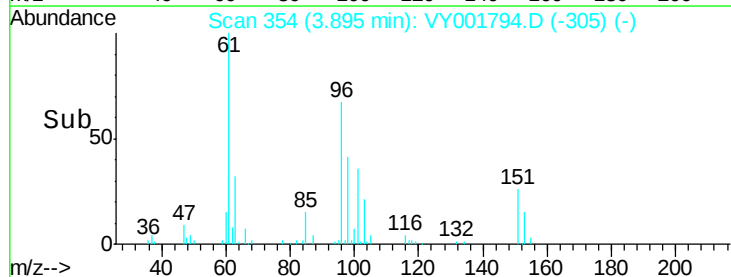
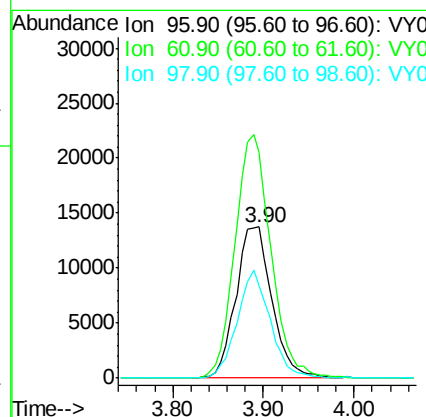
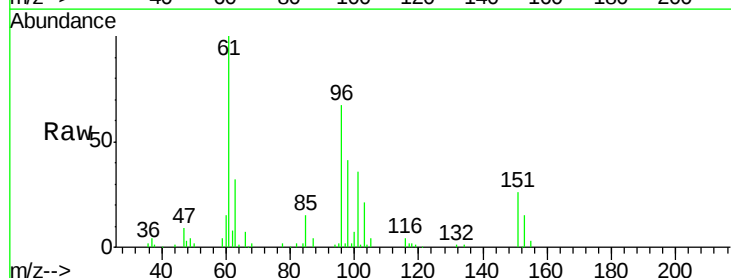
MMDadoda
 3/2/2020 10:35:54 AM

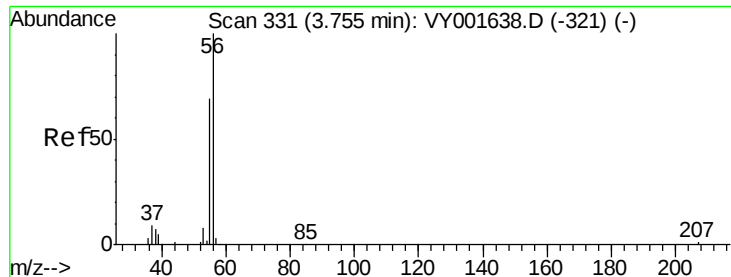


#12

1,1-Dichloroethene
 Concen: 20.037 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	96	61	98	Ratio	100	149.0	61.5	Resp	38051	Lower	128.7	Upper	193.1	76.1
Ion	96	61	98	Ratio	100	149.0	61.5	Resp	38051	Lower	128.7	Upper	193.1	76.1





#13

Acrolein

Concen: 77.691 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 56 Resp: 14772

Ion Ratio Lower Upper

56 100

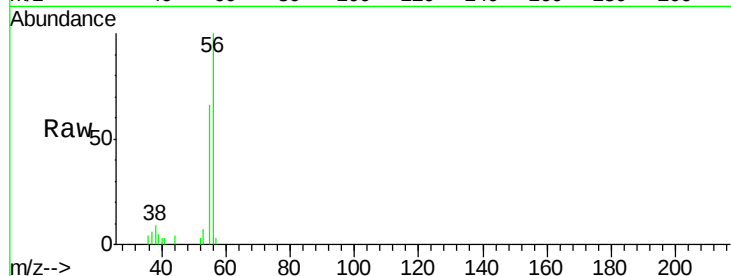
55 69.4 56.1 84.1

Manual Integrations

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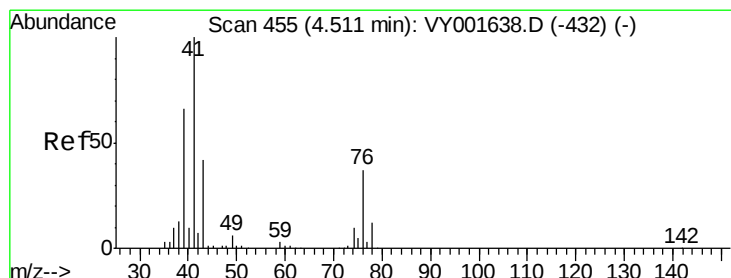
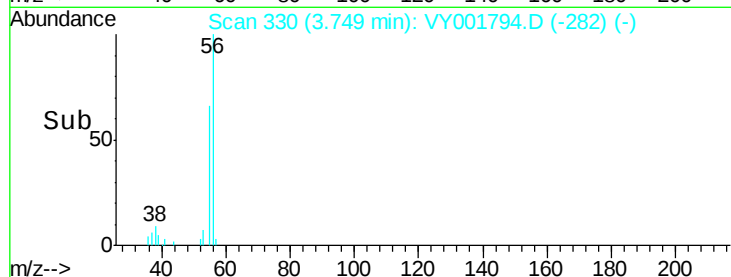
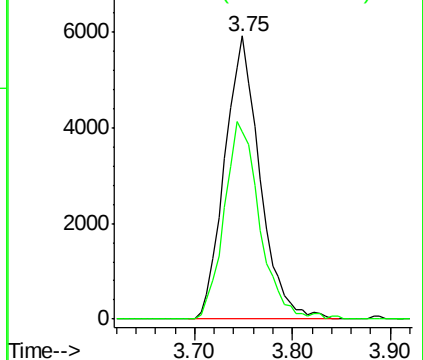
MMDadoda

3/2/2020 10:35:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.510 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

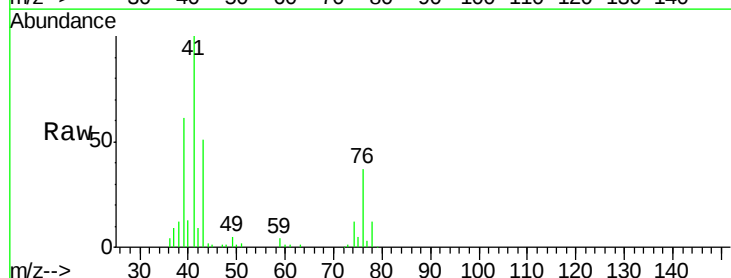
Tgt Ion: 41 Resp: 69320

Ion Ratio Lower Upper

41 100

39 61.2 49.4 74.0

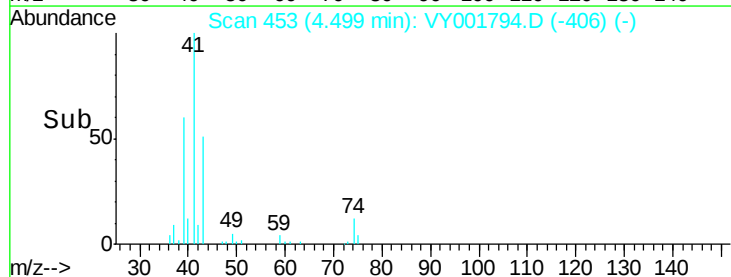
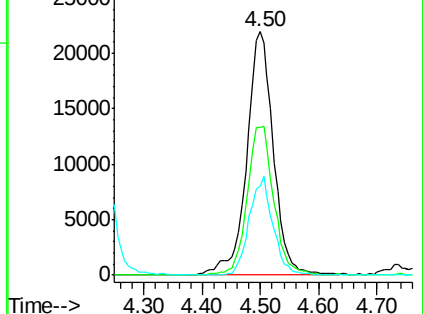
76 36.0 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 106.393 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

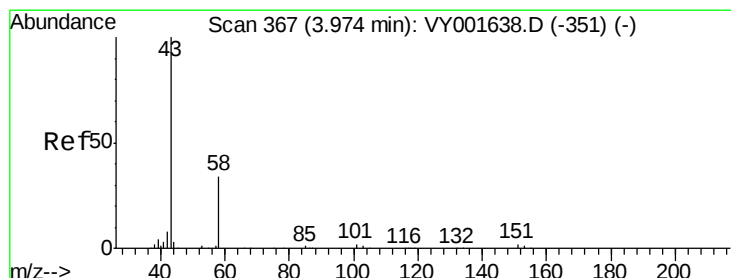
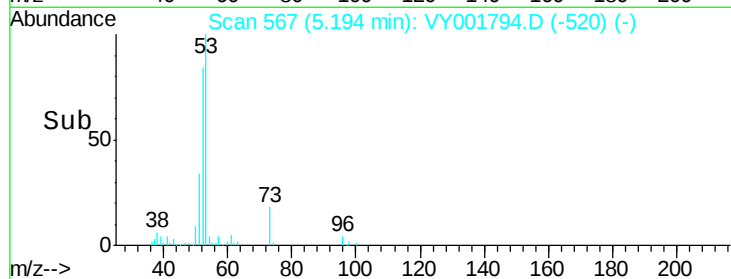
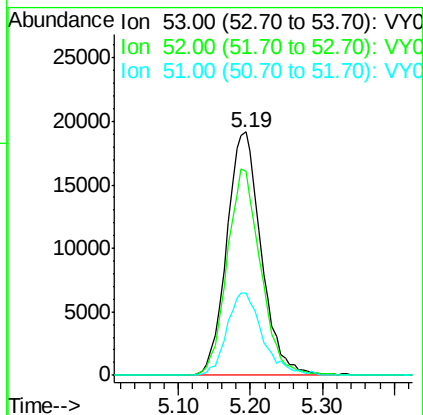
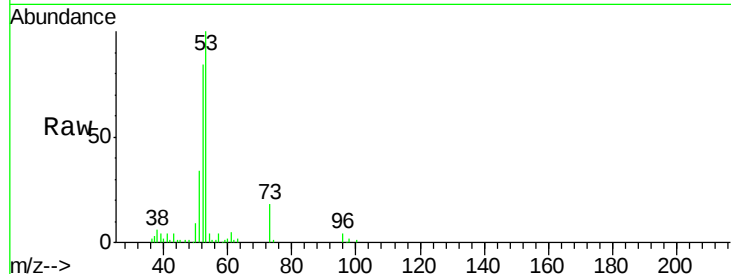
ClientSampleId :

VY0228SBS01

Tot Ion:	53	Resp:	63686
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.4	98.0
51	34.8	28.0	42.0

Manual Integrations
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MMDadoda
3/2/2020 10:35:54 AM



#16

Acetone

Concen: 89.359 ug/l

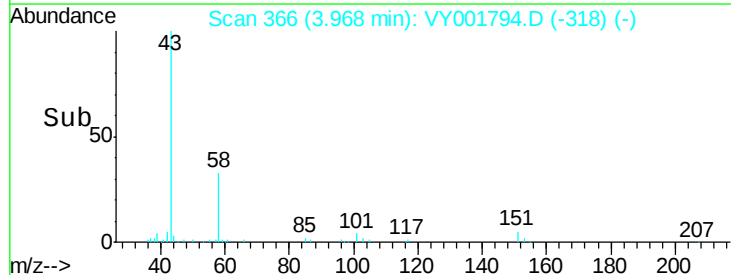
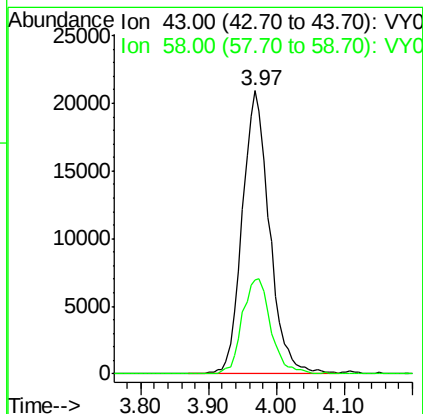
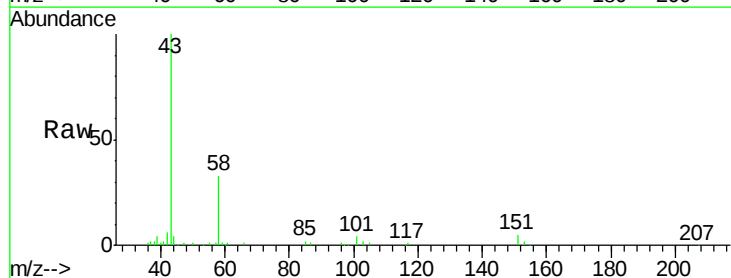
RT: 3.97 min Scan# 366

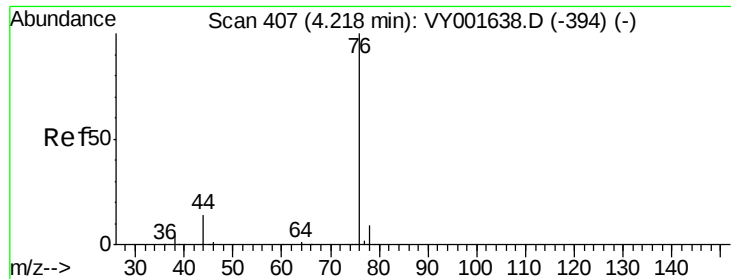
Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion:	43	Resp:	58210
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.3	40.9





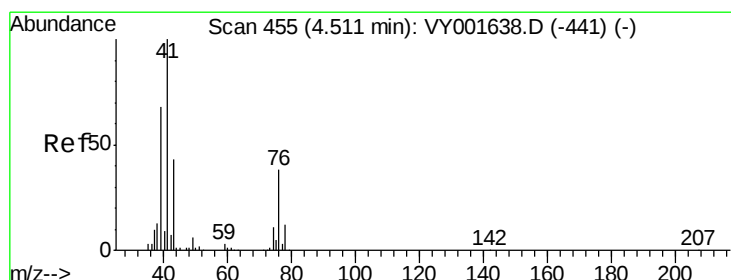
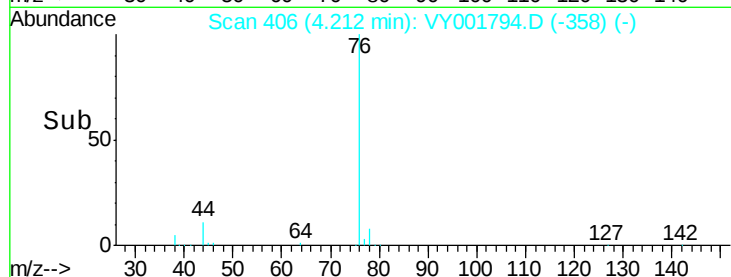
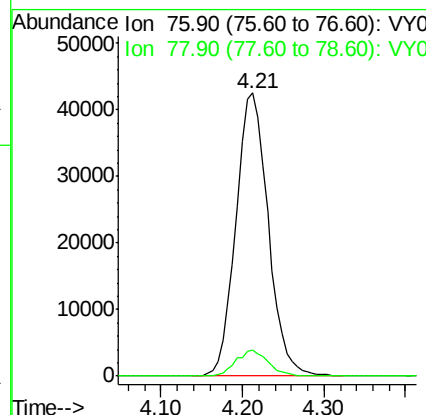
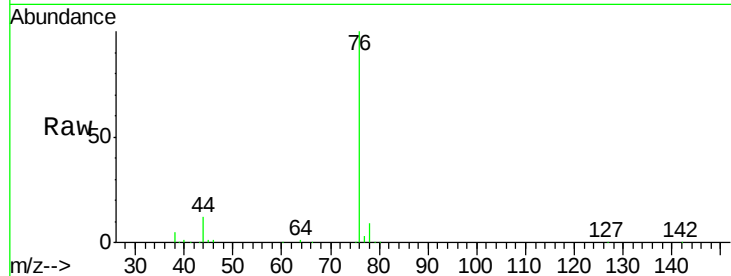
#17
Carbon Disulfide
Concen: 18.370 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

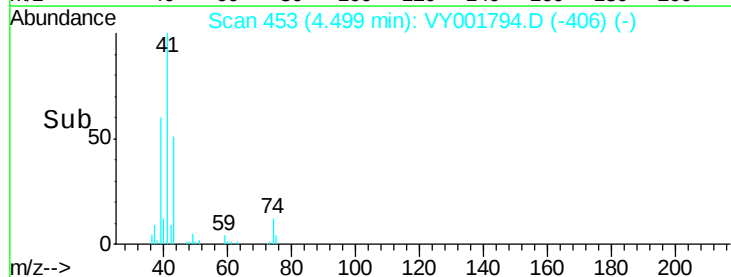
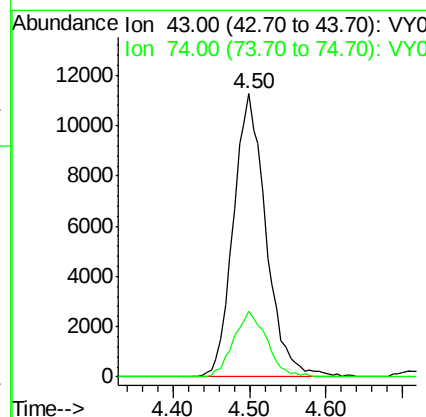
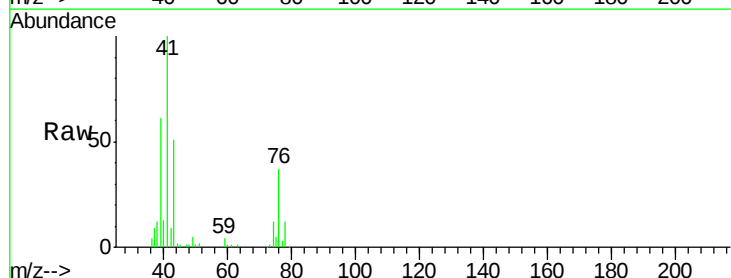
Manual Integrations
APPROVED

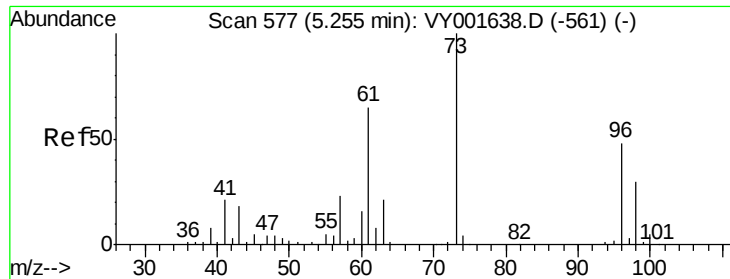
MMDadoda
3/2/2020 10:35:54 AM



#18
Methyl Acetate
Concen: 23.431 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





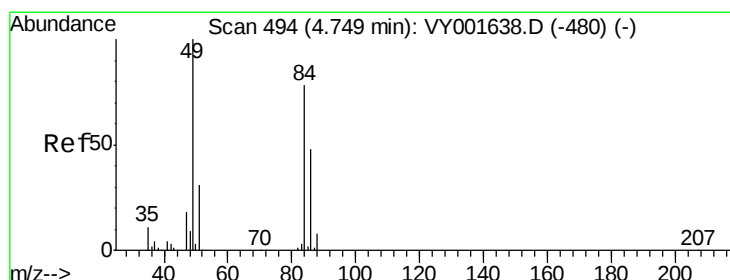
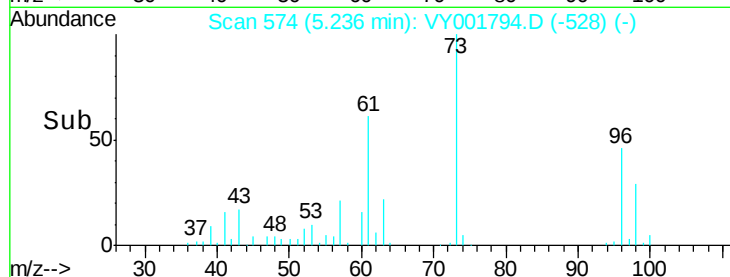
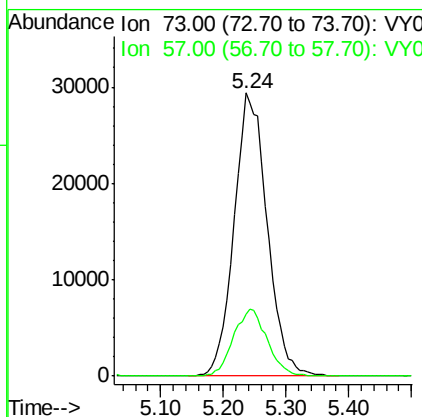
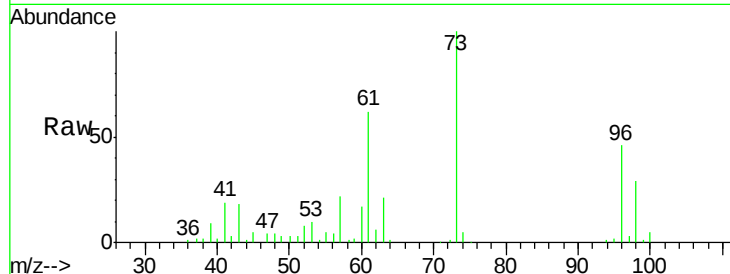
#19
Methvl tert-butvl Ether
Concen: 20.257 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.02 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion: 73 Resp: 107108
Ion Ratio Lower Upper
73 100
57 21.8 19.0 28.6

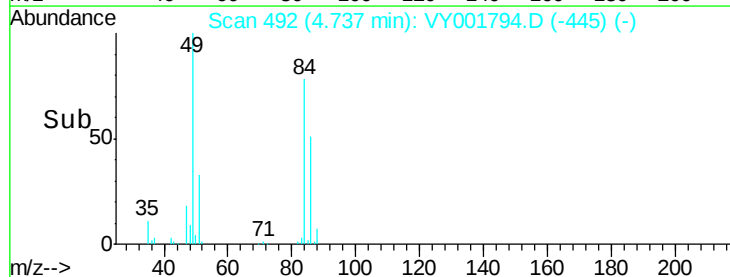
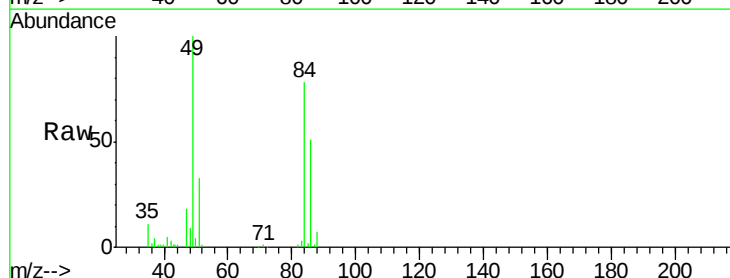
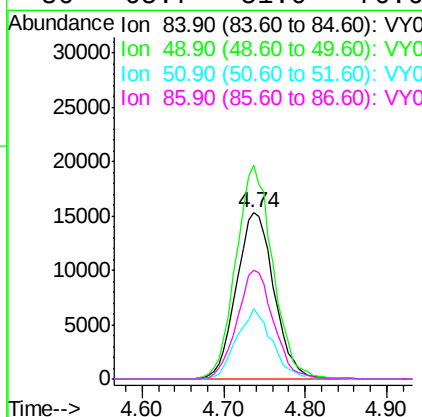
Manual Integrations
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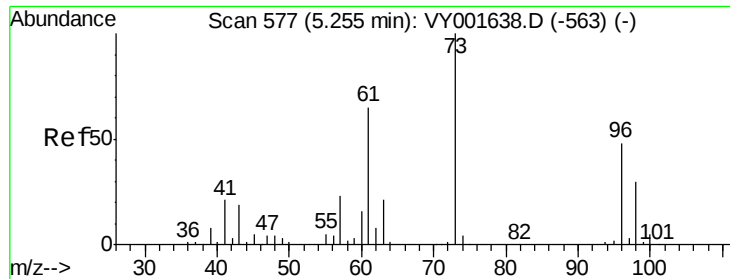
MMDadoda
3/2/2020 10:35:54 AM



#20
Methylene Chloride
Concen: 21.246 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion: 84 Resp: 49160
Ion Ratio Lower Upper
84 100
49 128.5 99.2 148.8
51 42.1 31.5 47.3
86 65.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.872 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

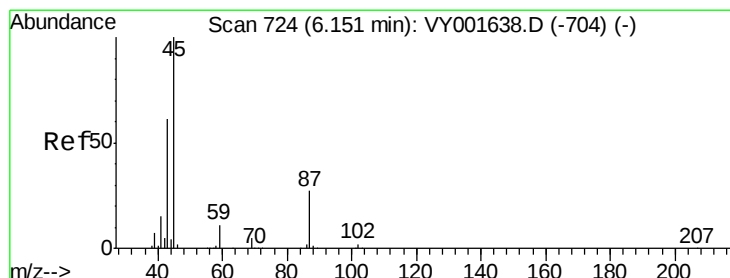
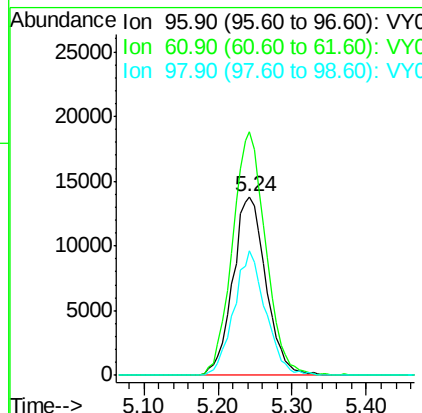
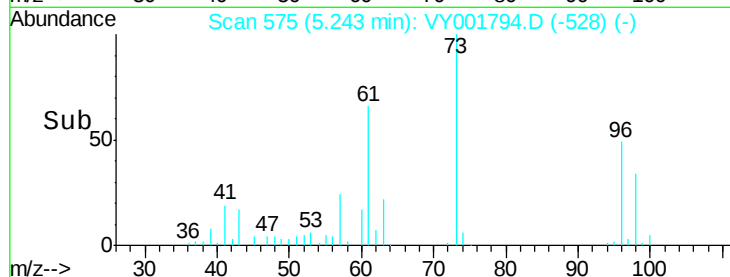
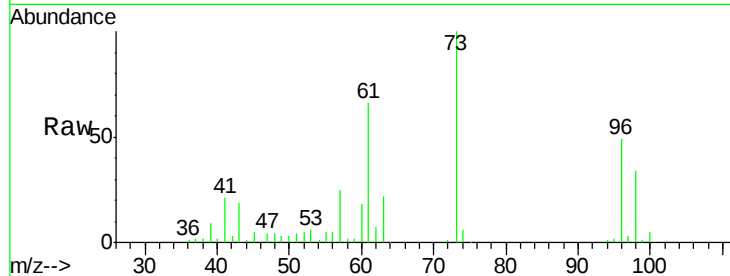
ClientSampleId :

VY0228SBS01

Tot Ion:	96	Resp:	43056
Ion	Ratio	Lower	Upper
96	100		
61	136.2	107.9	161.9
98	69.4	49.8	74.8

Manual Integrations
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MMDadoda
3/2/2020 10:35:54 AM



#22

Diisopropyl ether

Concen: 20.809 ug/l

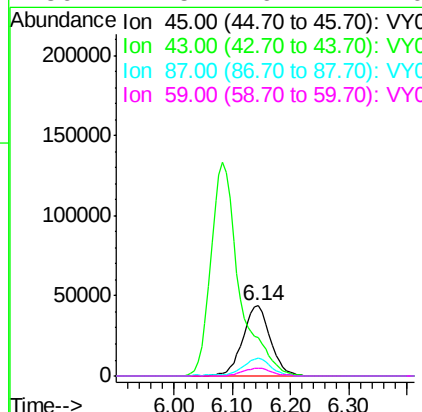
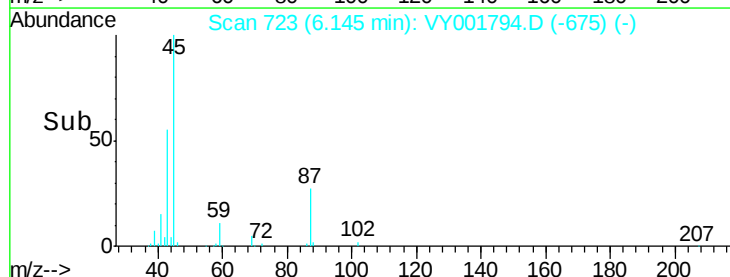
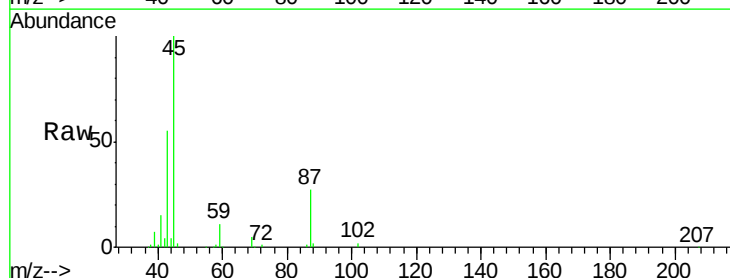
RT: 6.14 min Scan# 723

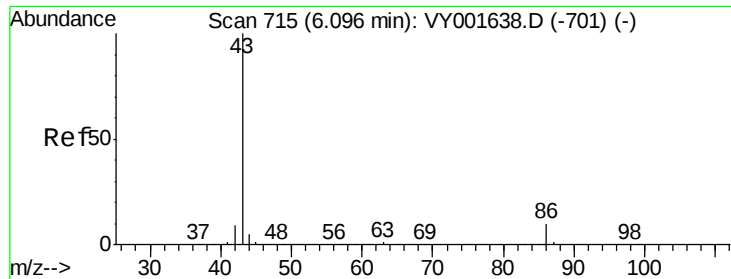
Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion:	45	Resp:	144429
Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.4	69.6
87	26.5	22.1	33.1
59	11.5	9.4	14.0





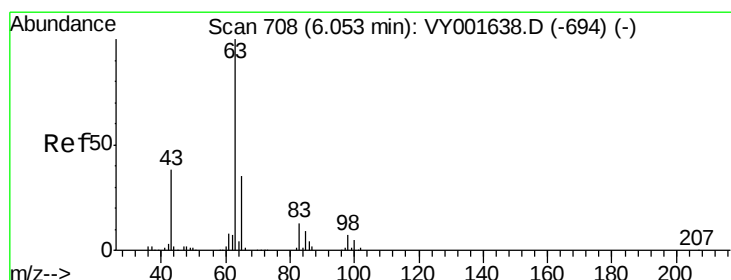
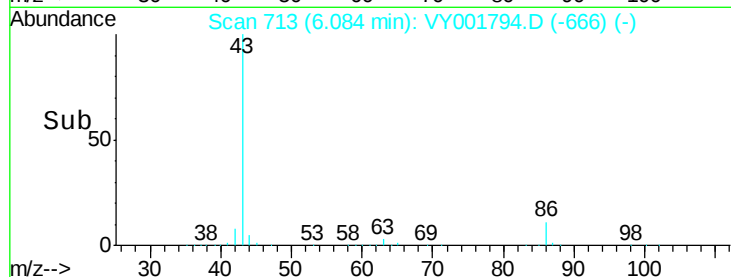
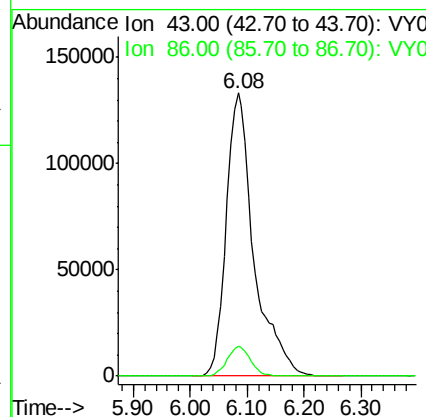
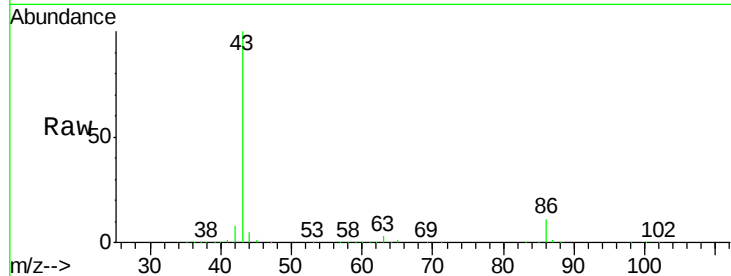
#23
 Vinyl Acetate
 Concen: 99.588 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	43	Resp	450873
Ion Ratio	Lower	Upper	
43	100		
86	10.7	8.8	13.2

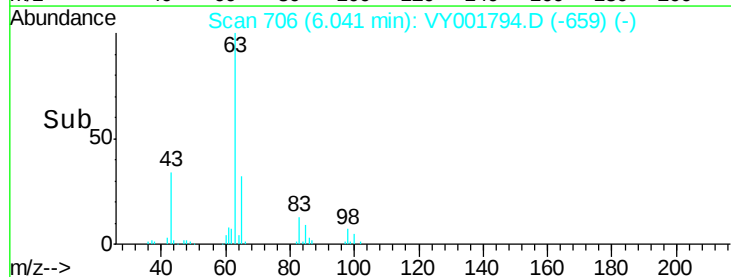
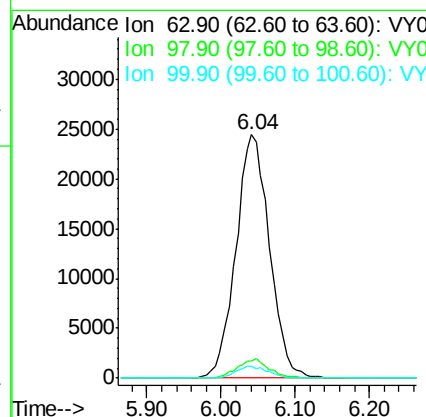
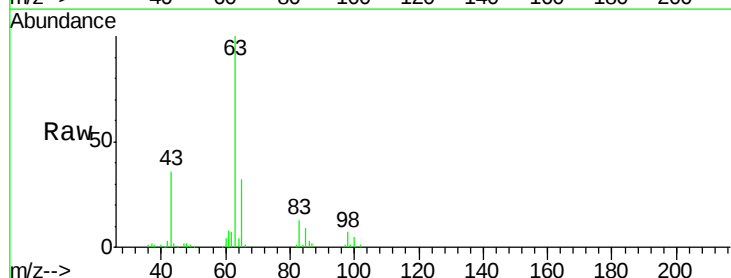
Manual Integrations
 APPROVED

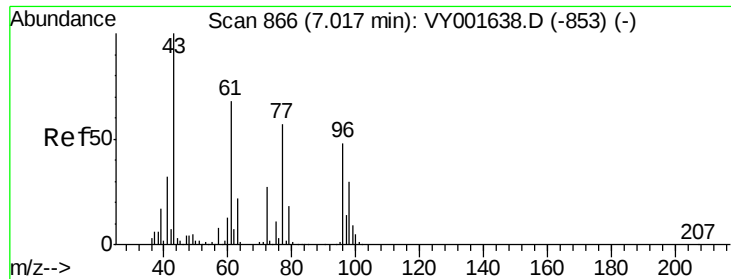
MMDadoda
 3/2/2020 10:35:54 AM



#24
 1,1-Dichloroethane
 Concen: 20.800 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	63	Resp	77162
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.4	10.2
100	4.7	2.3	6.9





#25

2-Butanone

Concen: 98.428 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 43 Resp: 87101

Ion Ratio Lower Upper

43 100

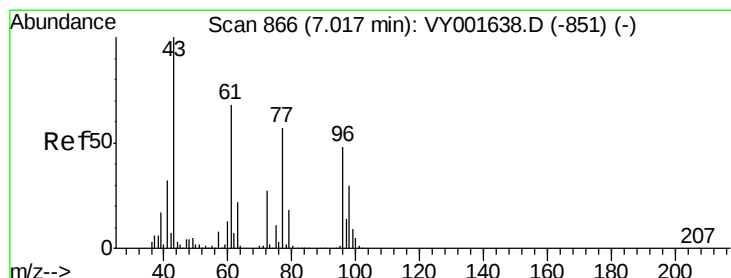
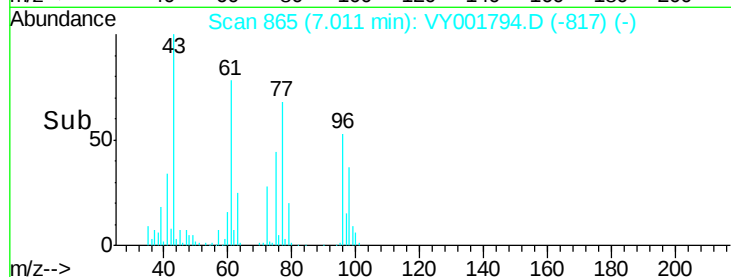
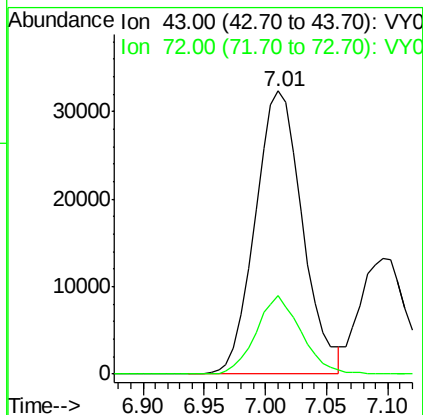
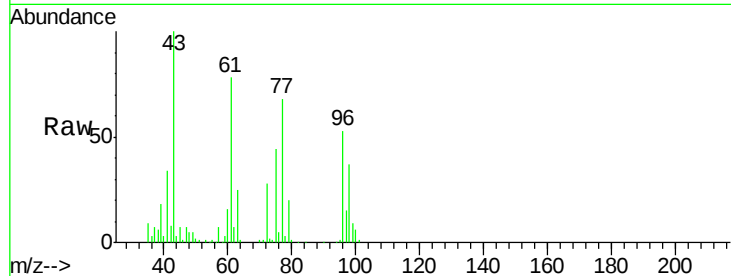
72 27.9 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 20.640 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001794.D

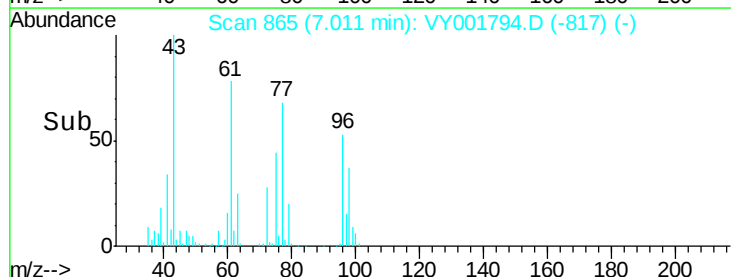
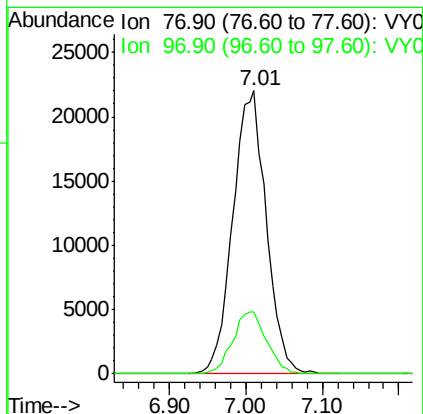
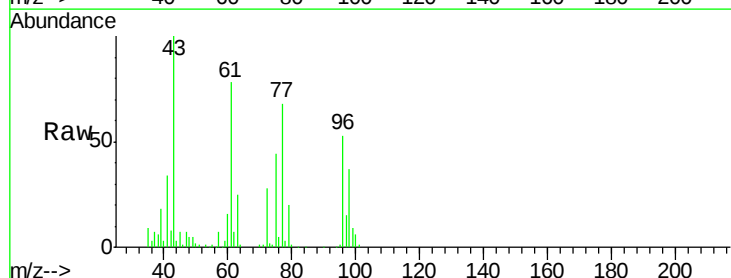
Acq: 28 Feb 2020 11:02

Tgt Ion: 77 Resp: 66617

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.4





#27

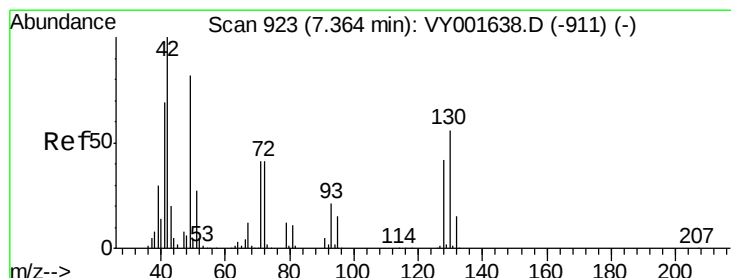
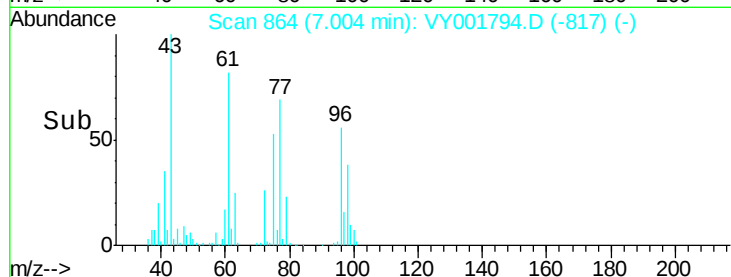
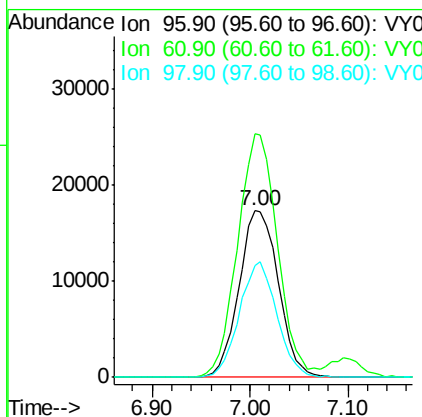
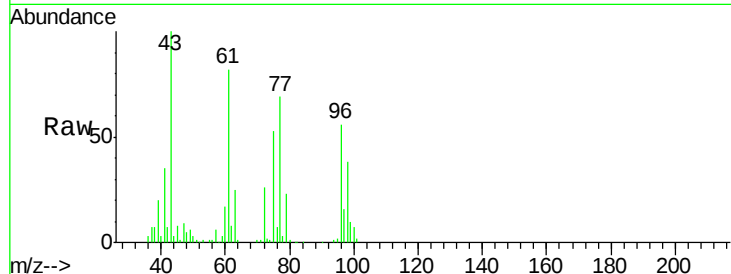
cis-1,2-Dichloroethene
Concen: 20.283 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	290.8
98	65.9	0.0	128.6

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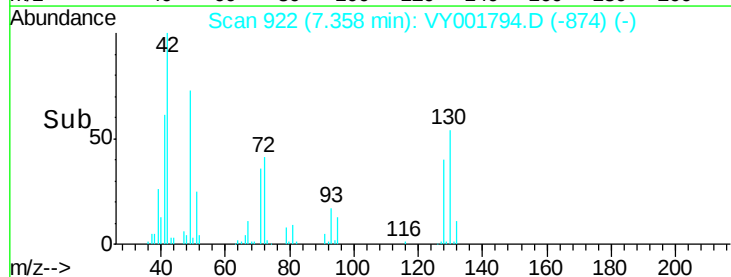
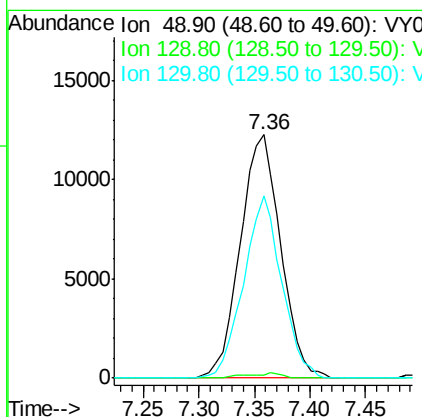
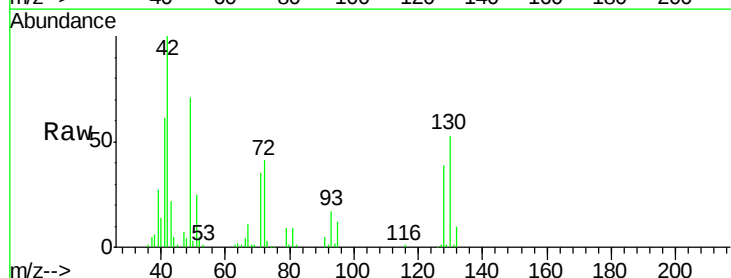
MMDadoda
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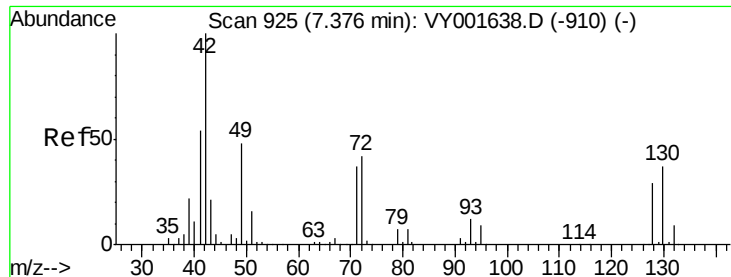


#28

Bromochloromethane
Concen: 19.983 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.4	56.2	84.4





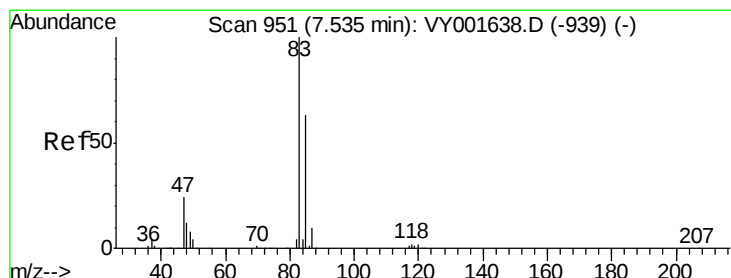
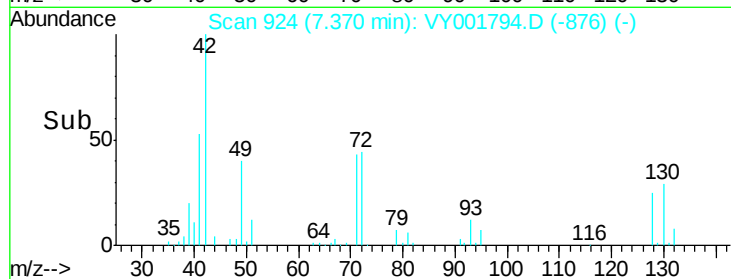
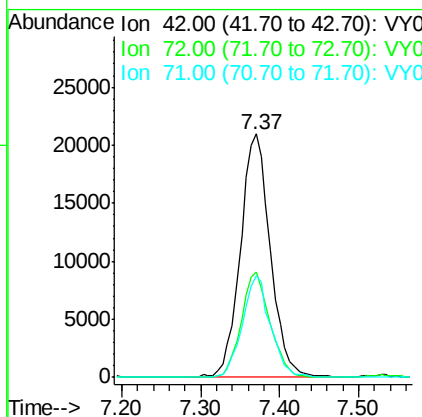
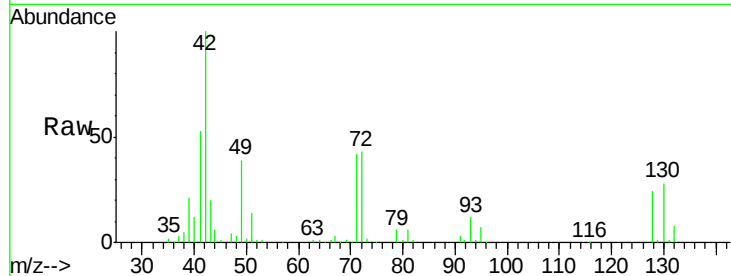
#29
Tetrahydrofuran
Concen: 103.252 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.4	51.6
71	39.2	31.8	47.8

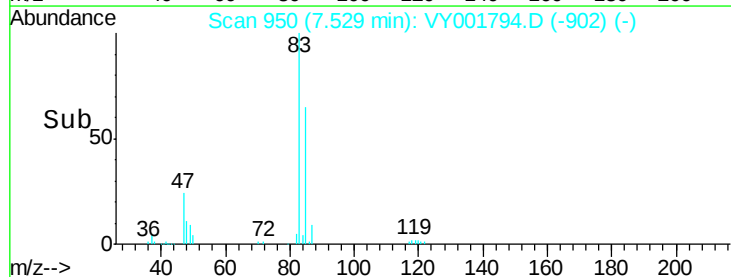
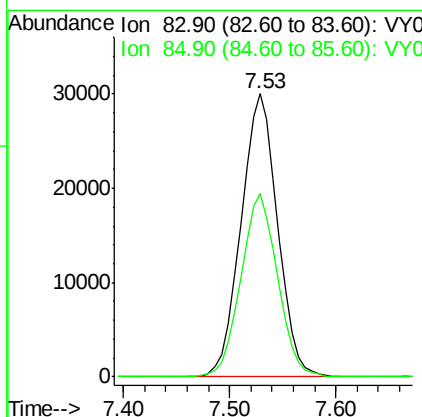
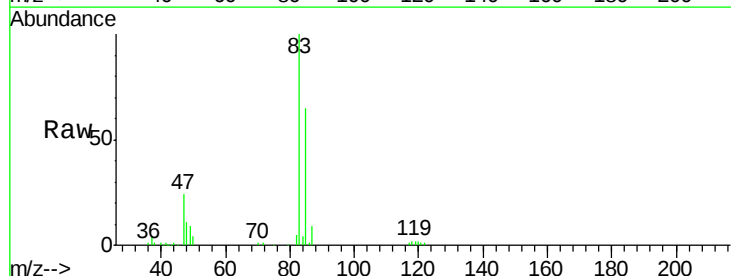
Manual Integrations
APPROVED

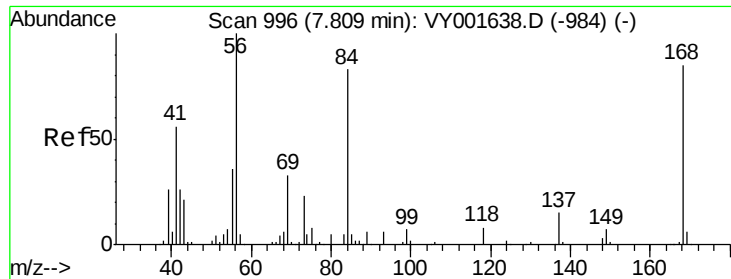
MMDadoda
3/2/2020 10:35:54 AM



#30
Chloroform
Concen: 19.951 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4





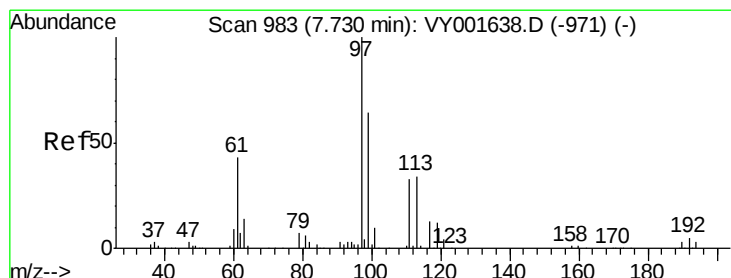
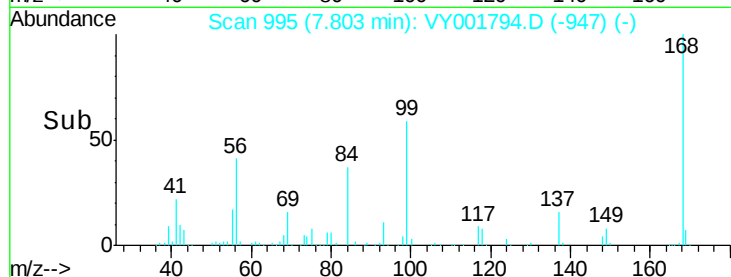
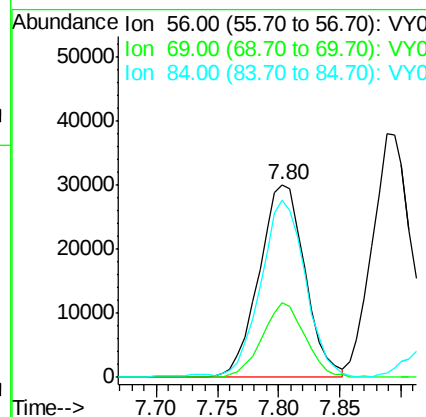
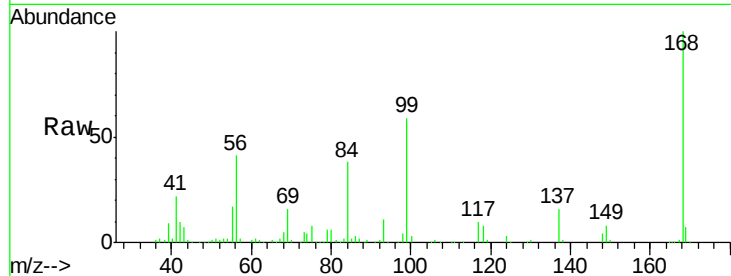
#31
Cyclohexane
Concen: 19.854 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	25.1	37.7#
84	90.7	66.9	100.3

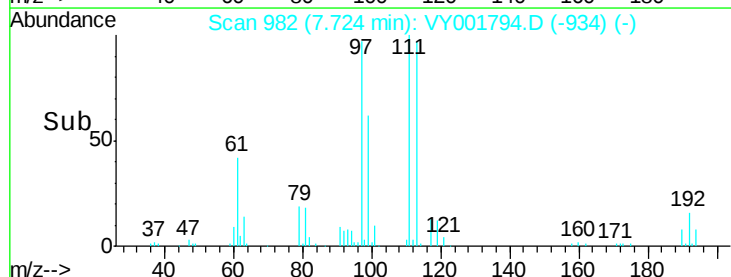
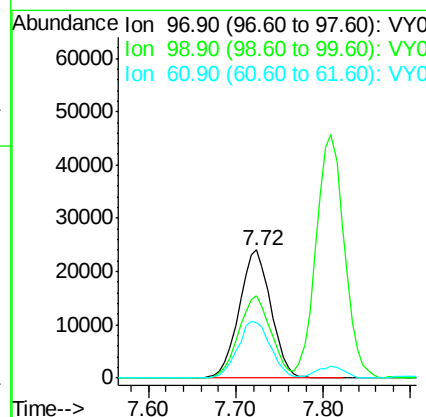
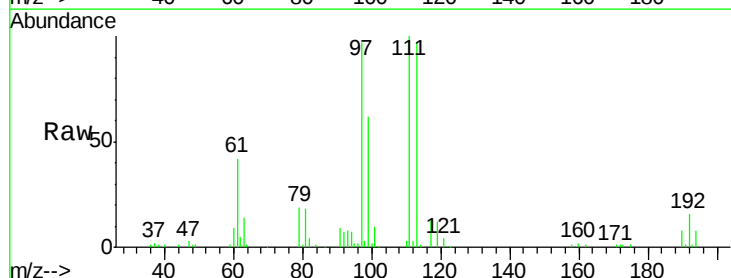
Manual Integrations
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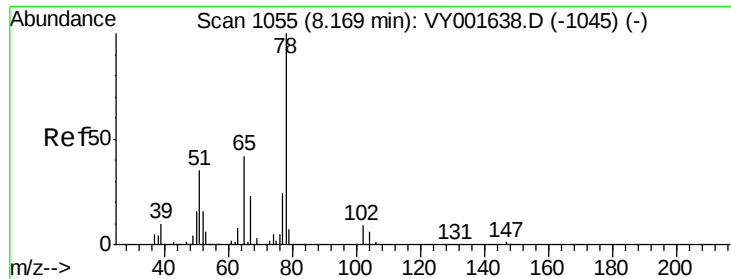
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#32
1,1,1-Trichloroethane
Concen: 19.981 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.2	76.8
61	45.5	35.0	52.6





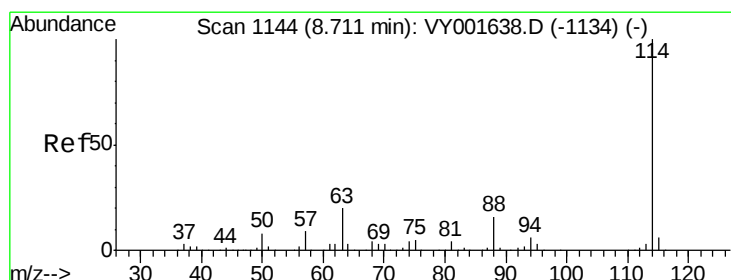
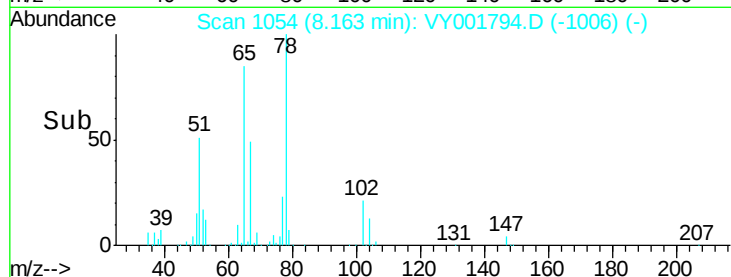
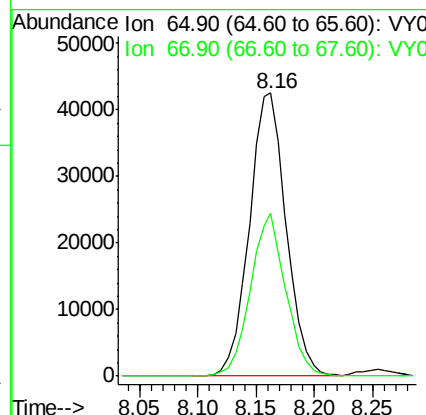
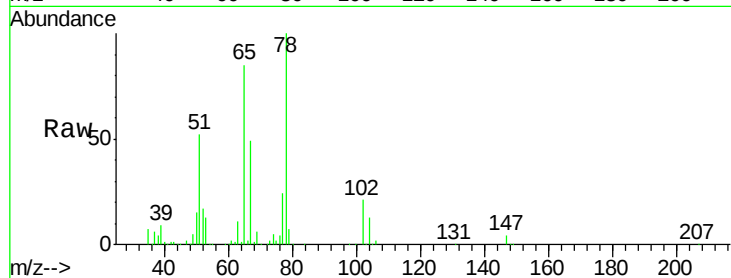
#33
 1,2-Dichloroethane-d4
 Concen: 49.626 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	111.0

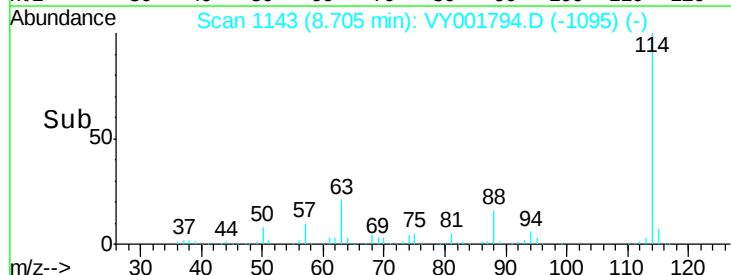
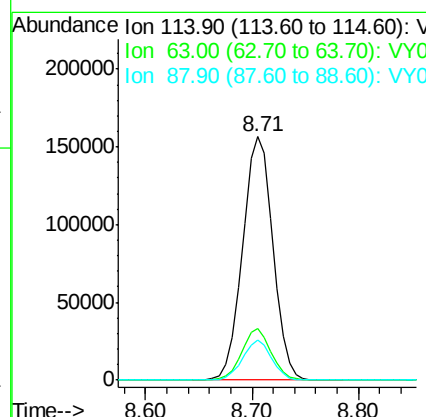
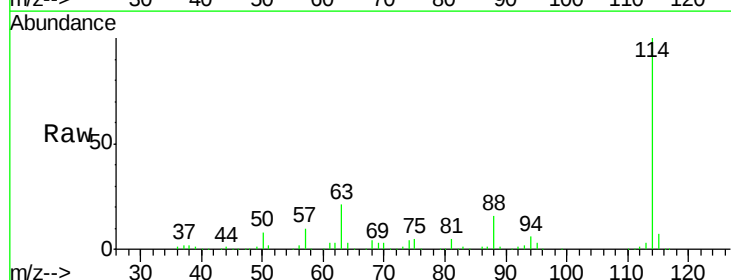
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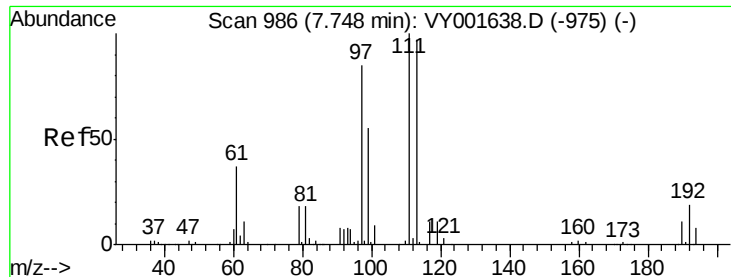
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	16.4	0.0	32.8





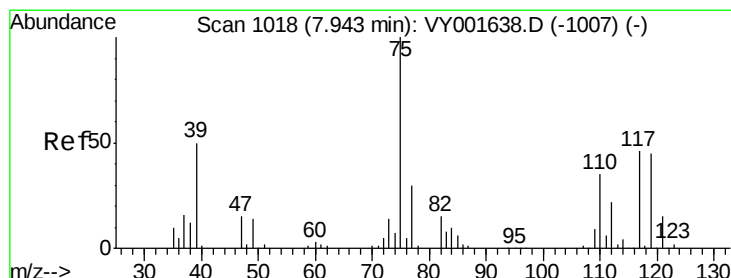
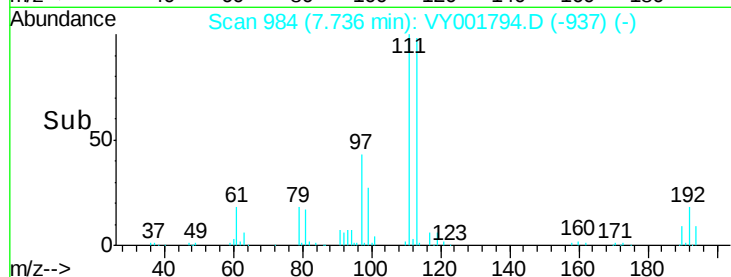
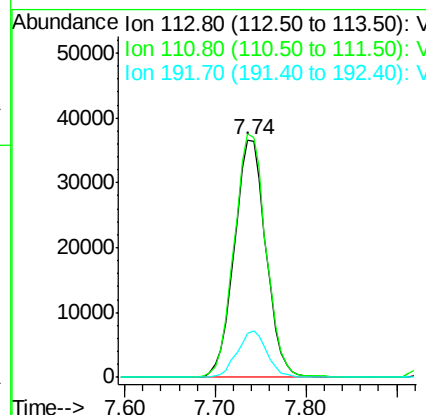
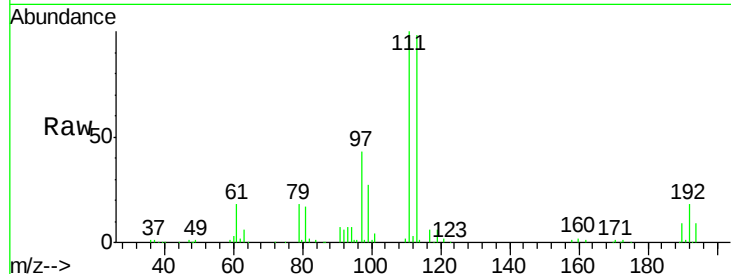
#35
 Dibromofluoromethane
 Concen: 49.337 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	18.3	14.3	21.5

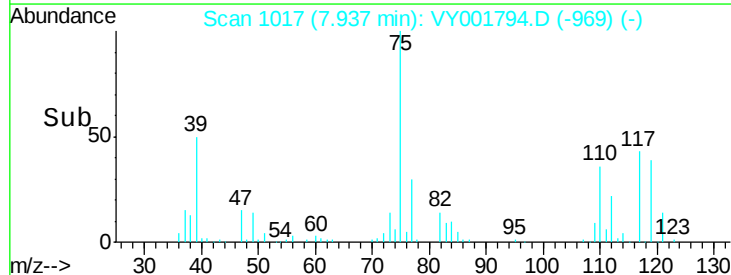
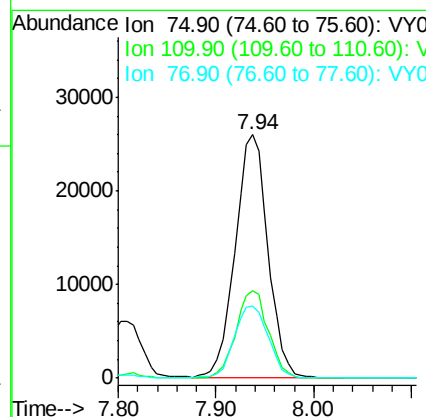
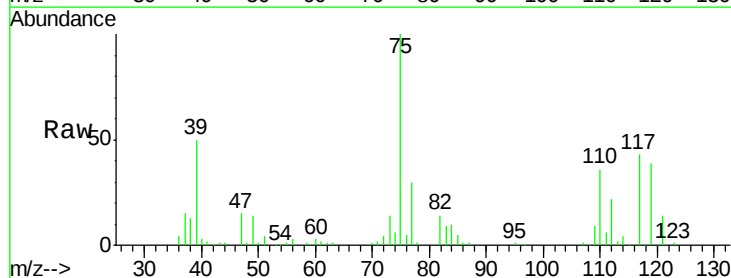
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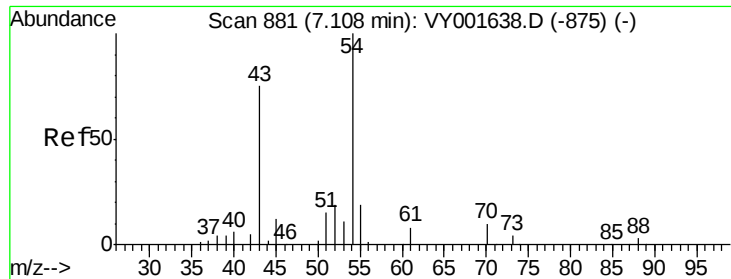
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#36
 1,1-Dichloropropene
 Concen: 20.193 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.6
77	31.0	24.8	37.2





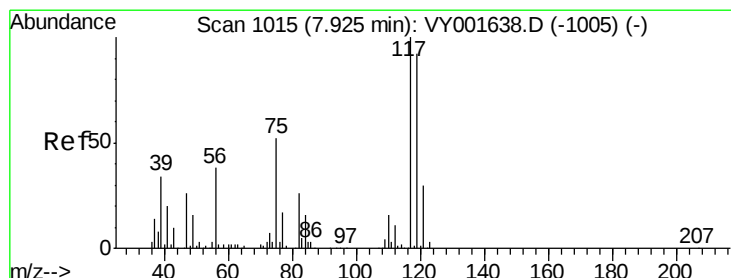
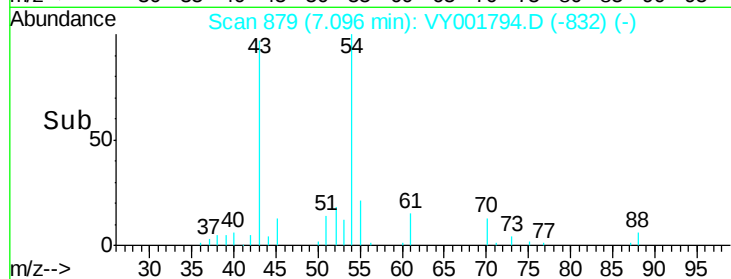
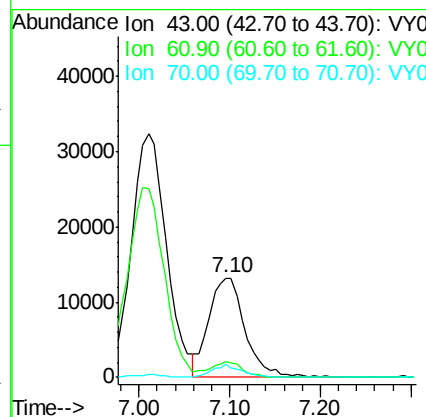
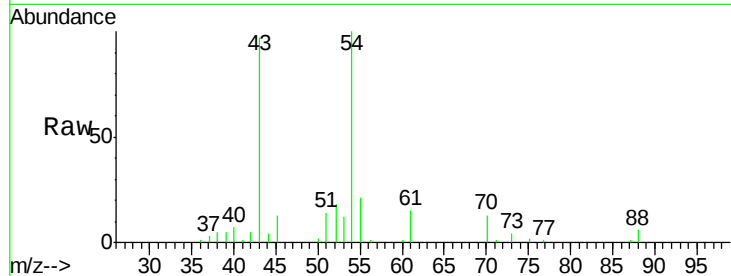
#37
Ethyl Acetate
Concen: 20.518 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion:	43	Resp:	36617
Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.6
70	10.7	8.8	13.2

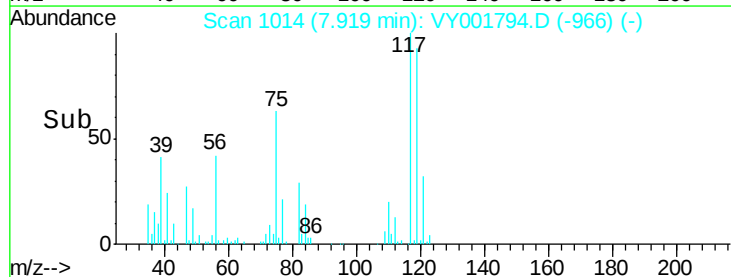
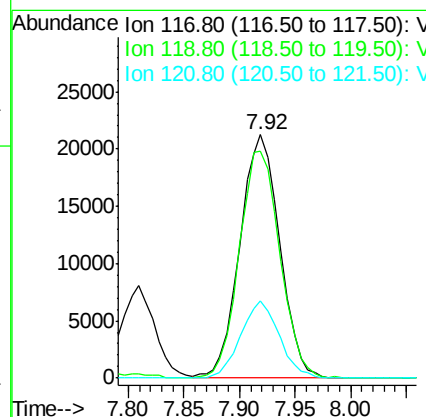
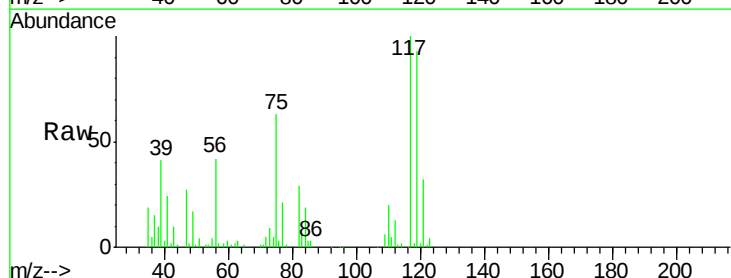
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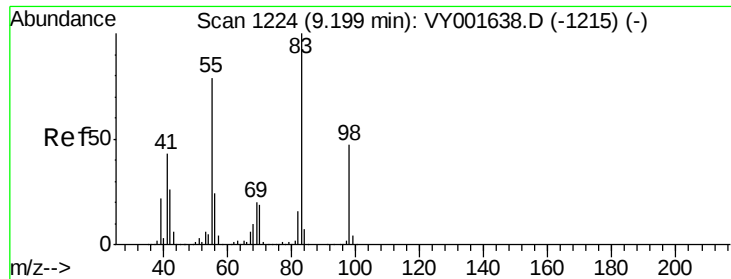
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#38
Carbon Tetrachloride
Concen: 20.100 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion:	117	Resp:	52789
Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.8	112.2
121	31.9	23.8	35.6





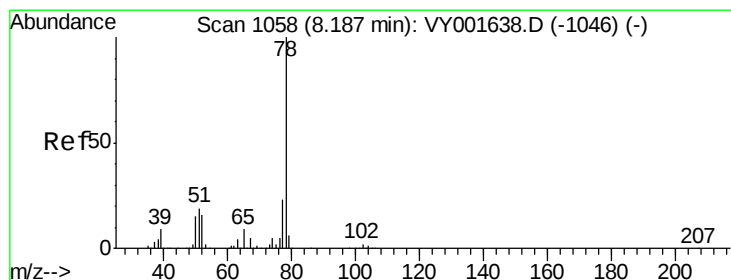
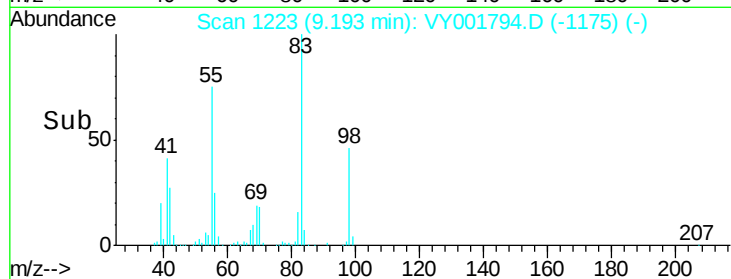
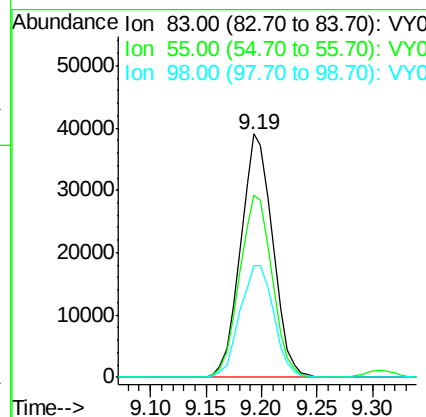
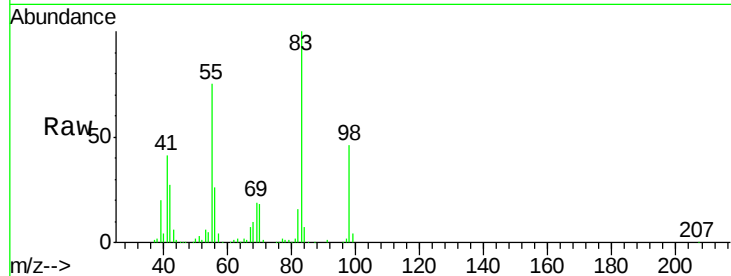
#39
Methvlcvclohexane
Concen: 19.675 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.3	91.9
98	46.1	38.0	57.0

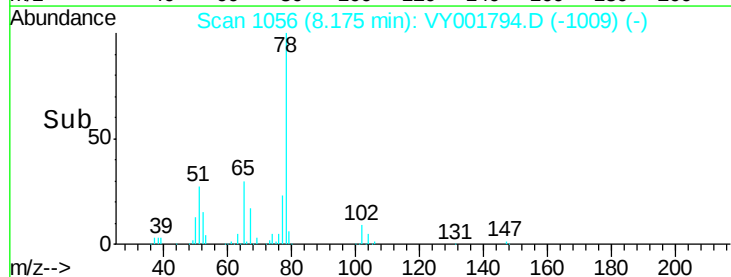
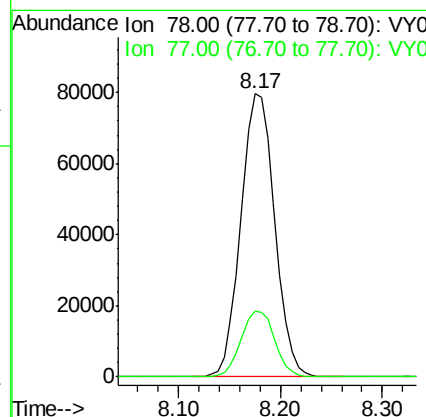
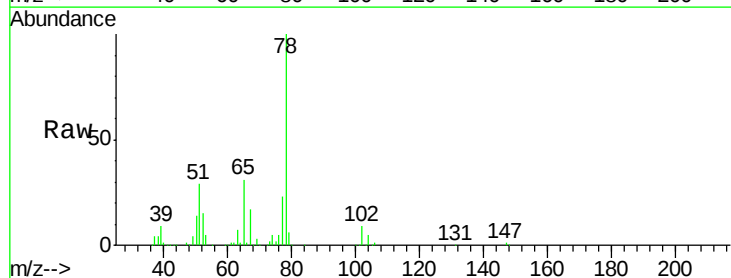
Manual Integrations
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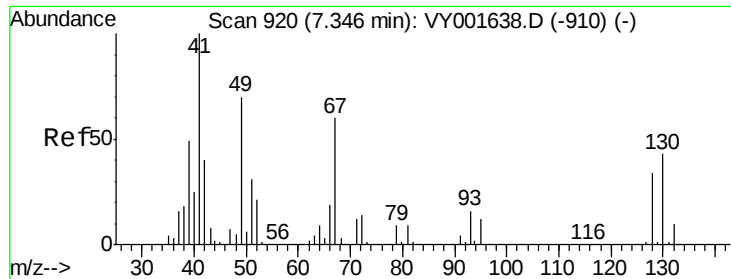
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#40
Benzene
Concen: 20.840 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4





#41

Methacrylonitrile

Concen: 19.890 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 41 Resp: 17823

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

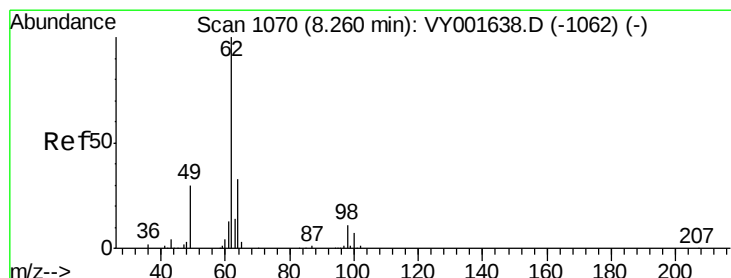
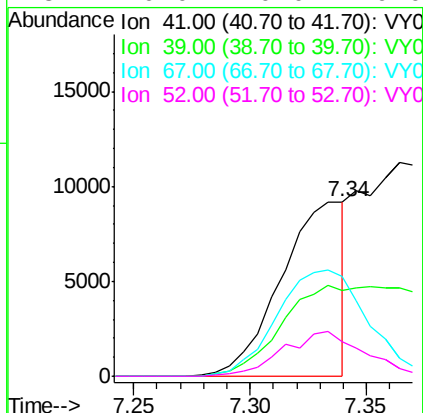
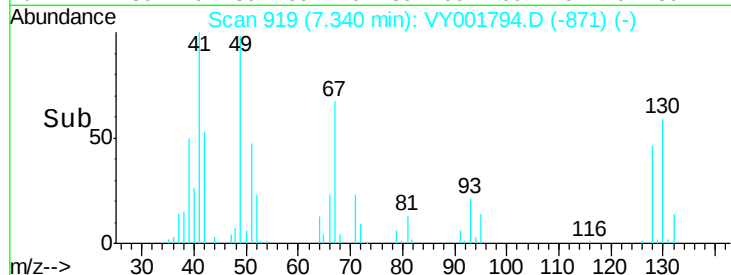
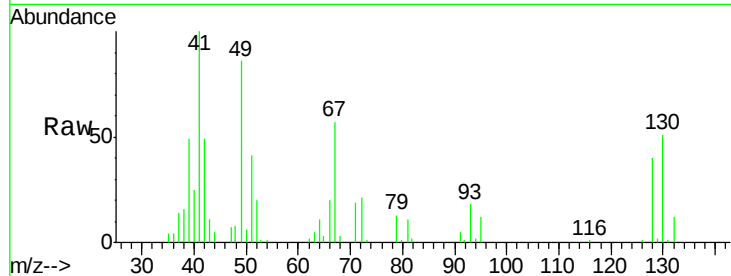
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.129 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001794.D

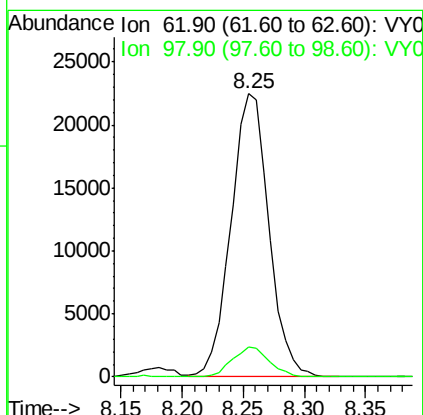
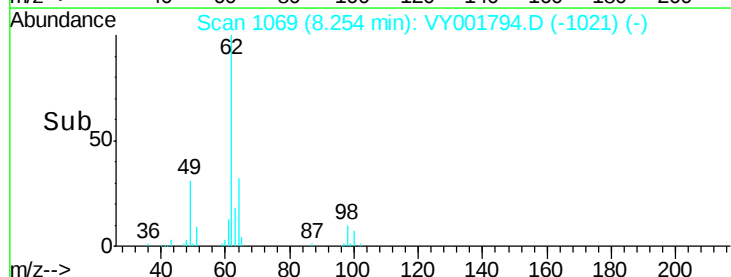
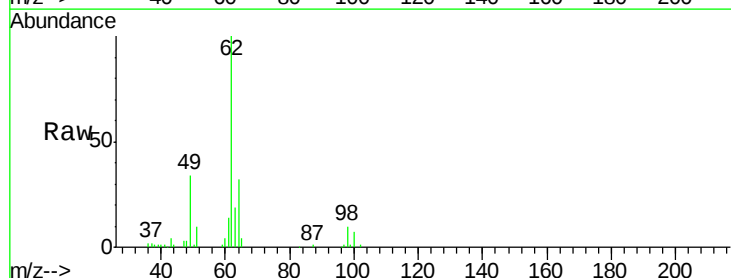
Acq: 28 Feb 2020 11:02

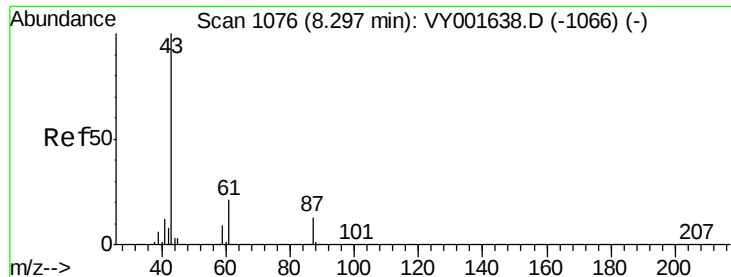
Tgt Ion: 62 Resp: 48223

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.8





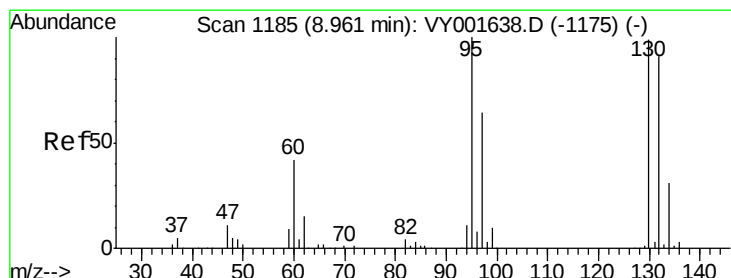
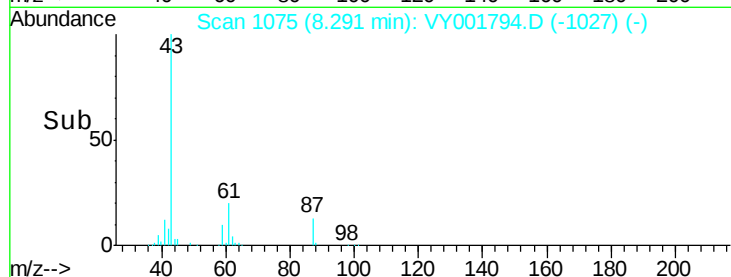
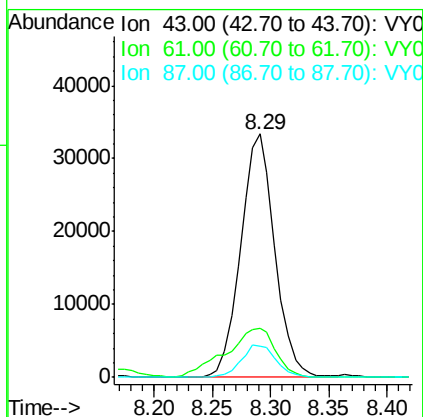
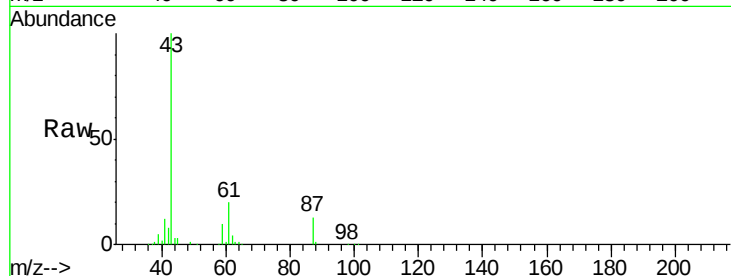
#43
Isopropyl Acetate
Concen: 20.077 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.0	34.4
87	13.6	10.7	16.1

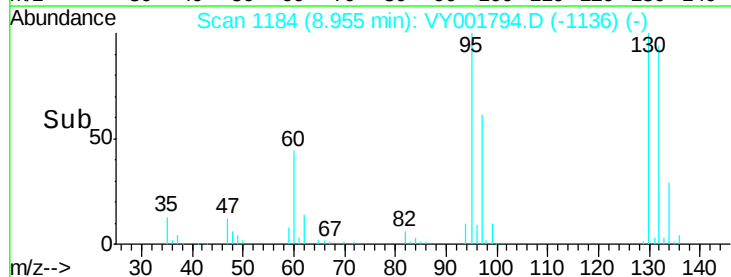
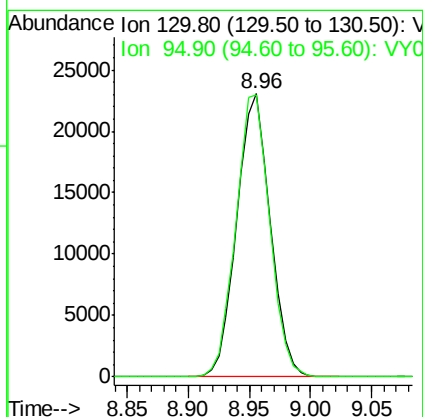
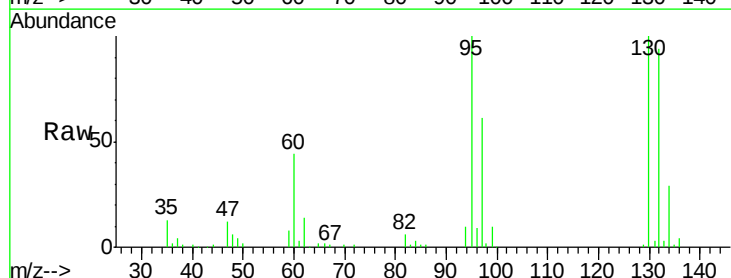
Manual Integrations
APPROVED

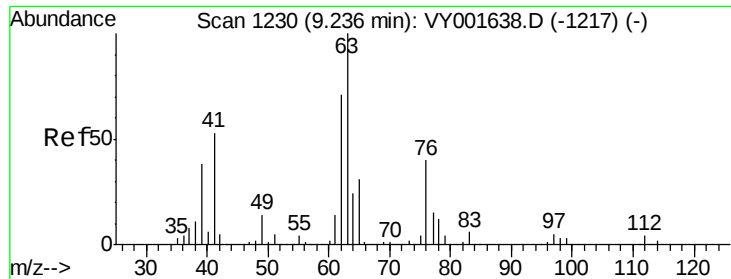
MMDadoda
3/2/2020 10:35:54 AM



#44
Trichloroethene
Concen: 19.959 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	200.6





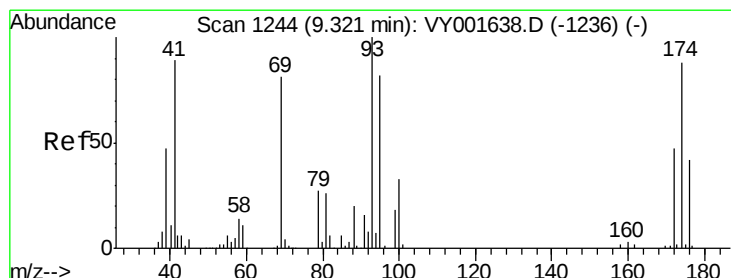
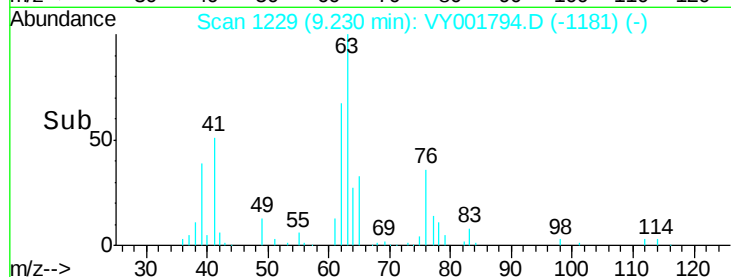
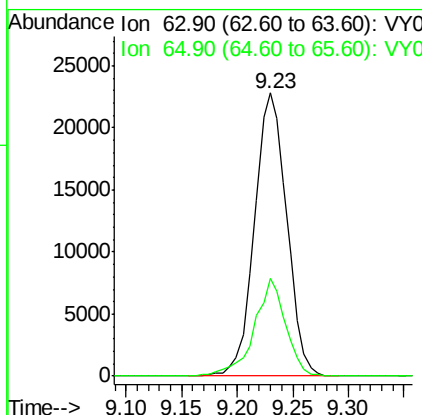
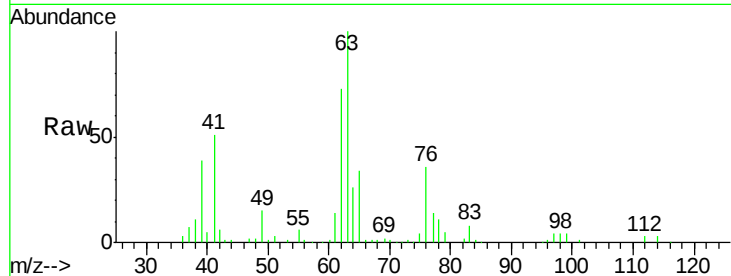
#45
 1,2-Dichloropropane
 Concen: 20.863 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion: 63 Resp: 45947
 Ion Ratio Lower Upper
 63 100
 65 34.4 24.6 37.0

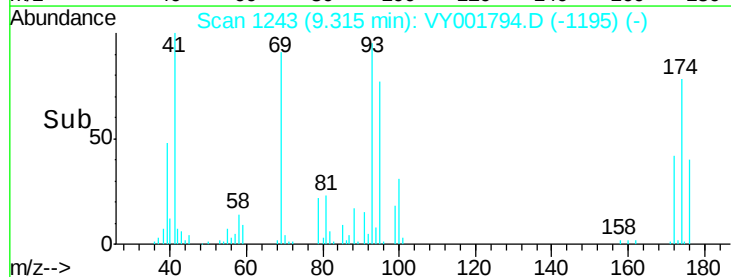
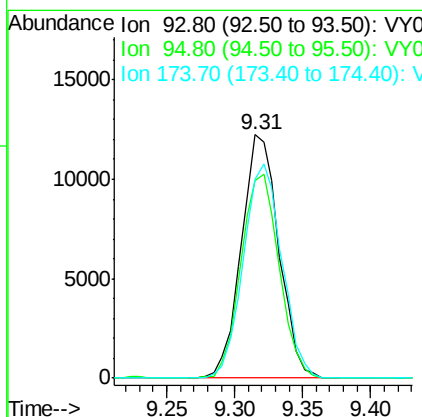
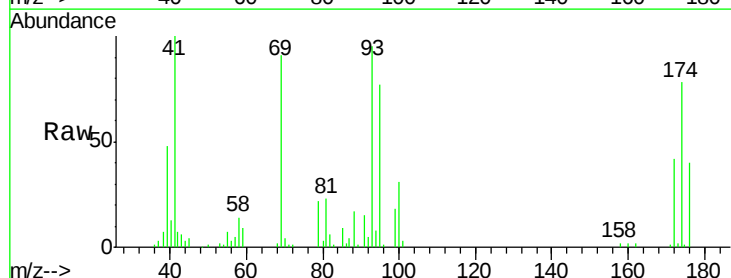
Manual Integrations
 APPROVED

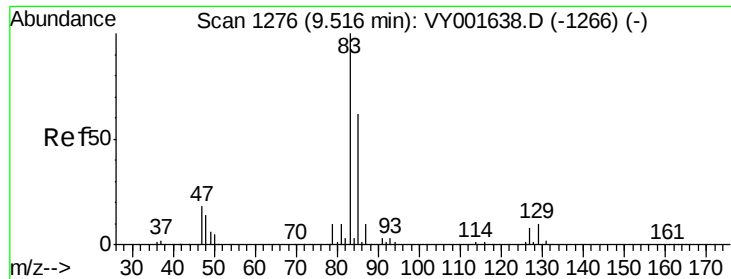
MMDadoda
 3/2/2020 10:35:54 AM



#46
 Dibromomethane
 Concen: 20.534 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion: 93 Resp: 23653
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.1 99.1
 174 90.0 72.5 108.7





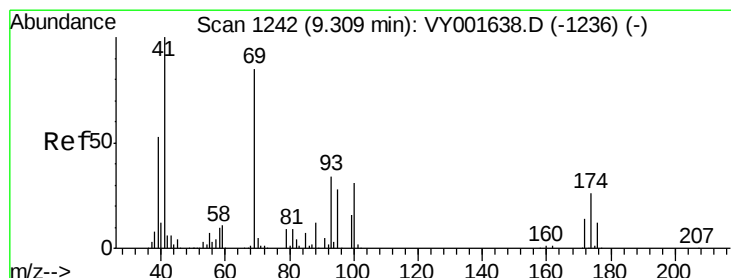
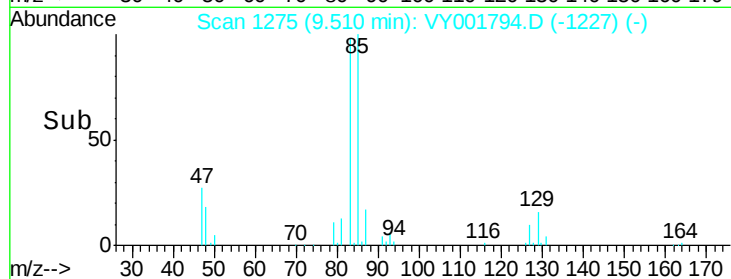
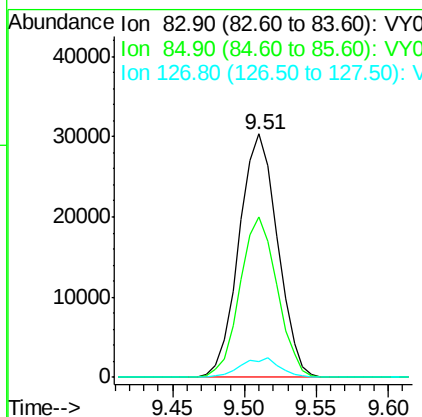
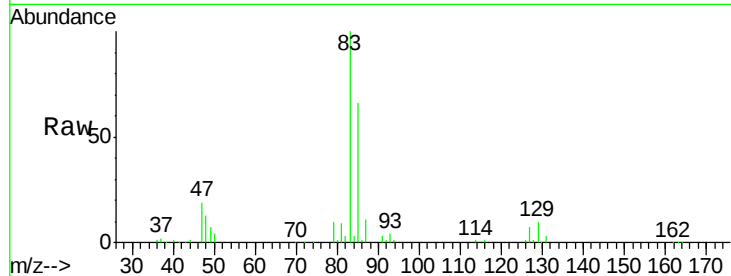
#47
Bromodichloromethane
Concen: 20.301 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	56438		
85	65.7	51.4	77.0	
127	6.7	6.4	9.6	

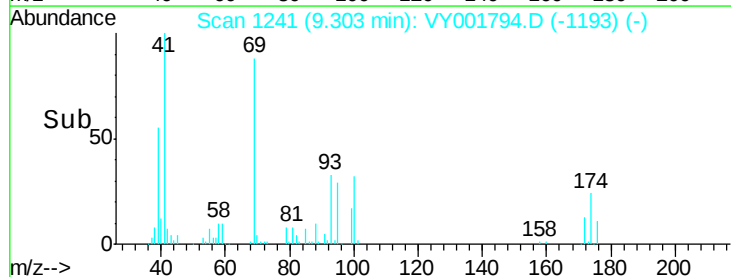
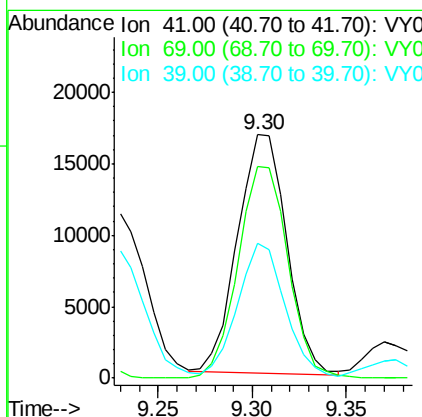
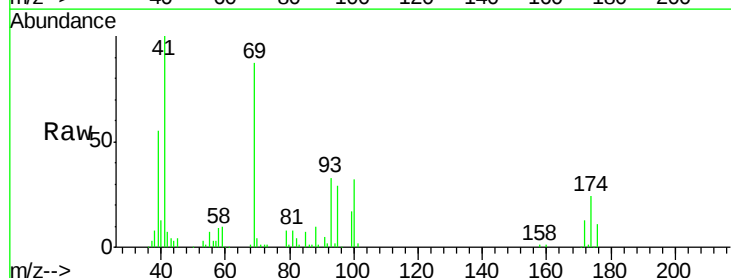
Manual Integrations
APPROVED

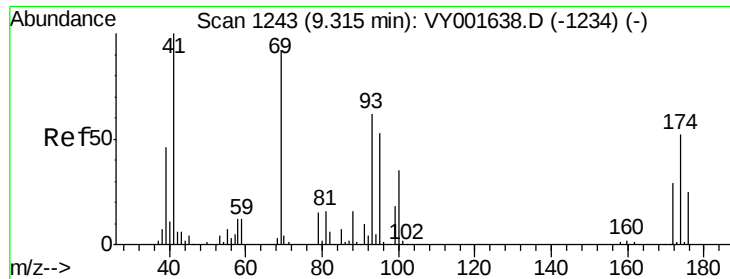
MMDadoda
3/2/2020 10:35:54 AM



#48
Methyl methacrylate
Concen: 19.750 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	30244		
69	90.3	70.7	106.1	
39	52.9	42.2	63.2	





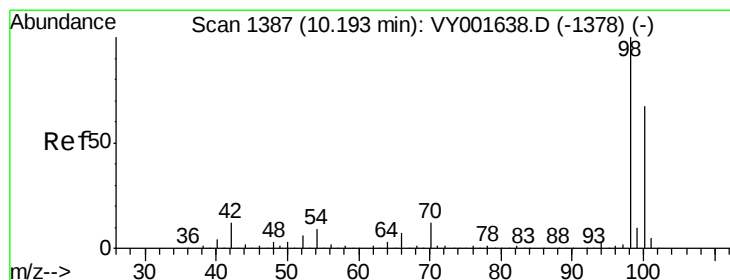
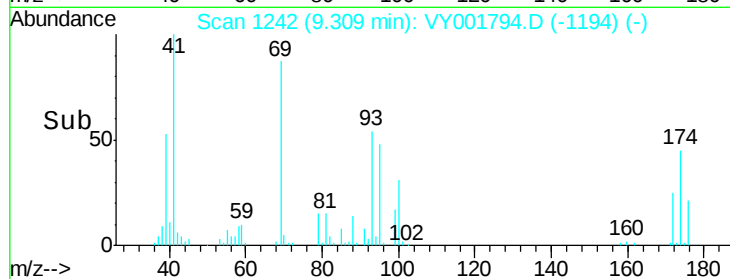
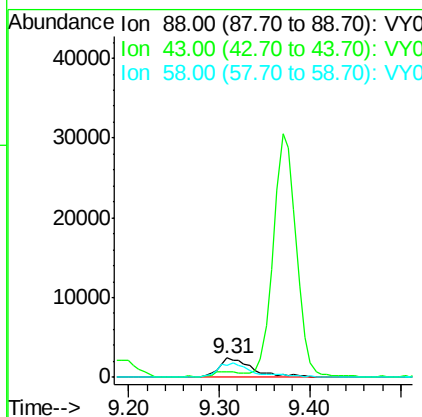
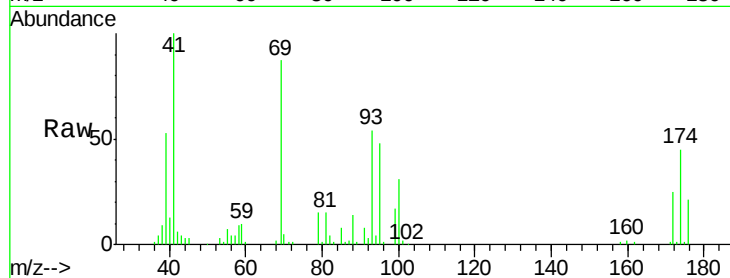
#49
1,4-Dioxane
Concen: 398.417 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.1	34.7#
58	63.3	58.1	87.1

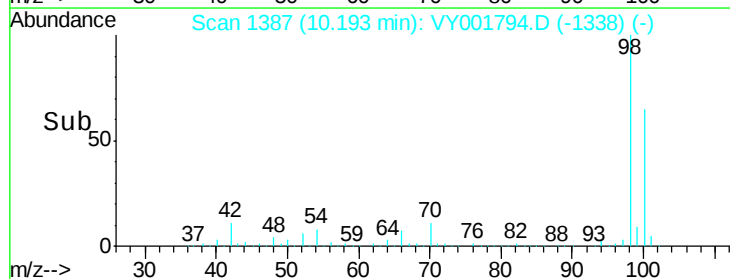
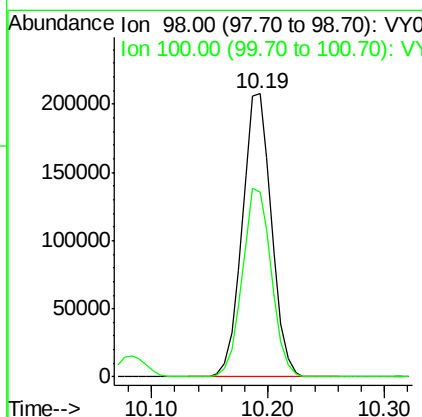
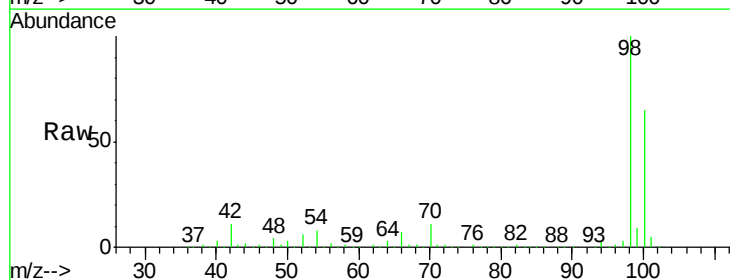
Manual Integrations
APPROVED

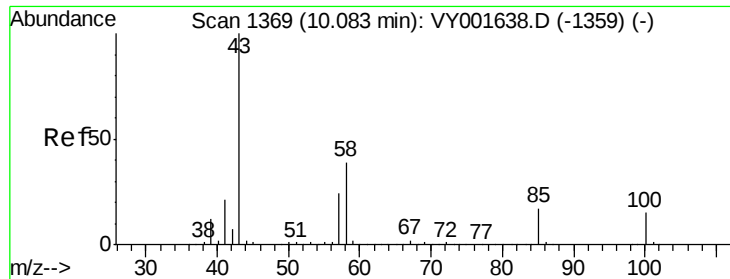
MMDadoda
3/2/2020 10:35:54 AM



#50
Toluene-d8
Concen: 51.705 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 103.038 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 43 Resp: 179256

Ion Ratio Lower Upper

43 100

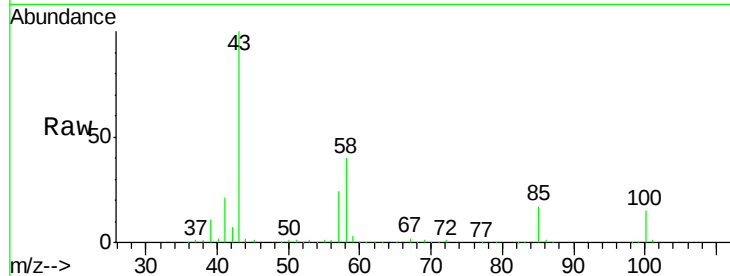
58 39.5 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

120000

100000

80000

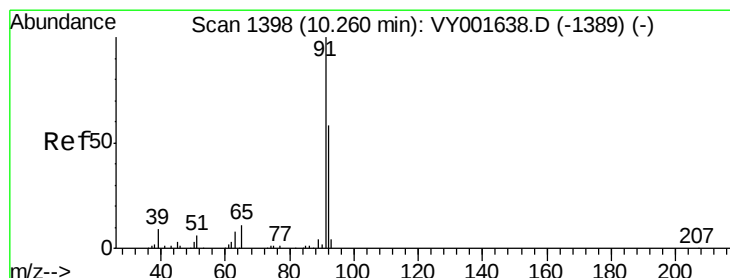
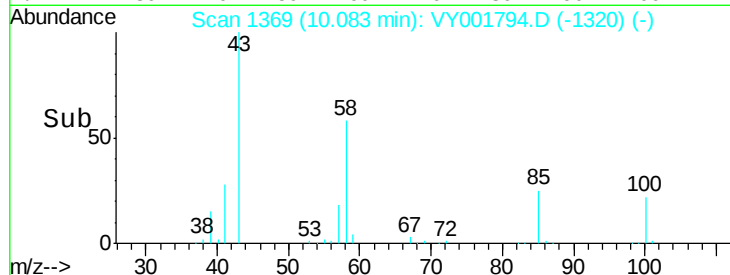
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.256 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001794.D

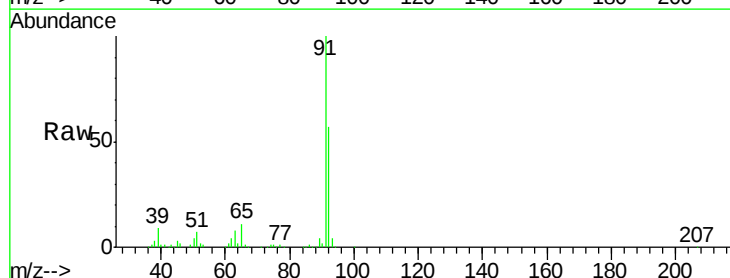
Acq: 28 Feb 2020 11:02

Tgt Ion: 92 Resp: 111111

Ion Ratio Lower Upper

92 100

91 173.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

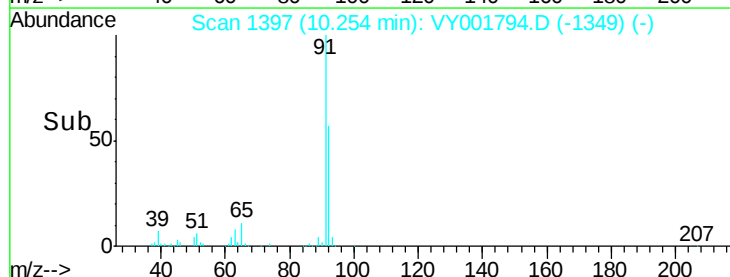
10.25

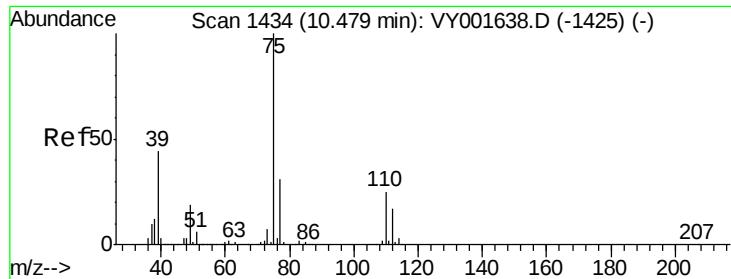
100000

50000

0

Time-->





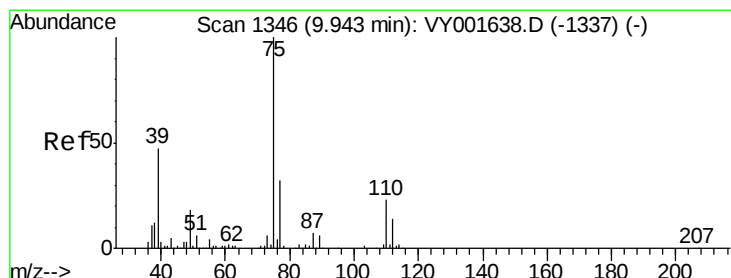
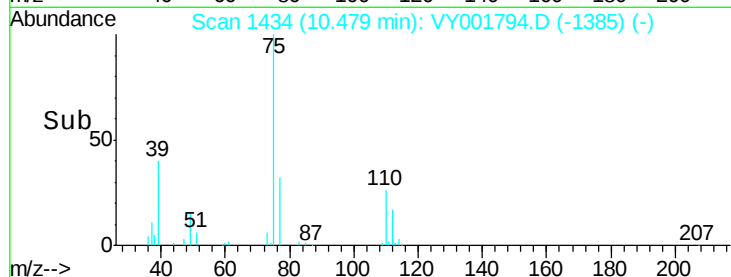
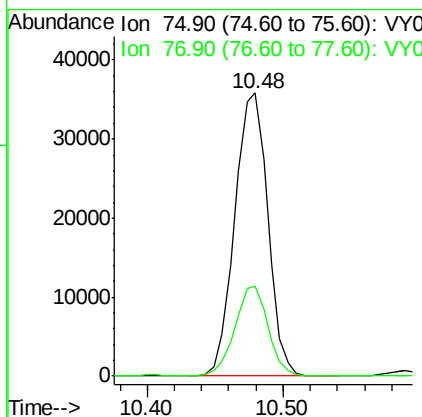
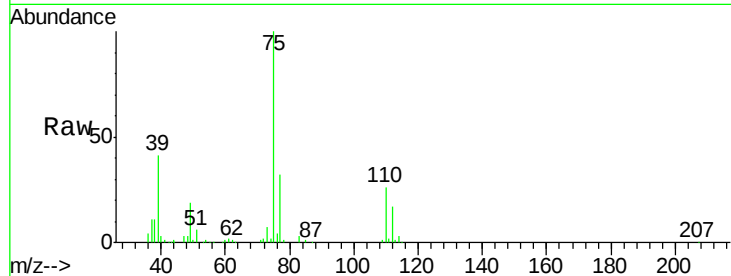
#53
t-1,3-Dichloropropene
Concen: 19.760 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion: 75 Resp: 60731
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

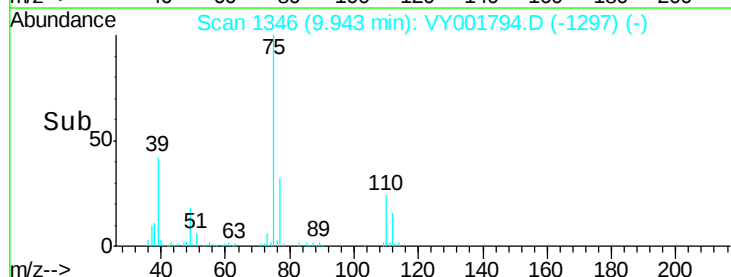
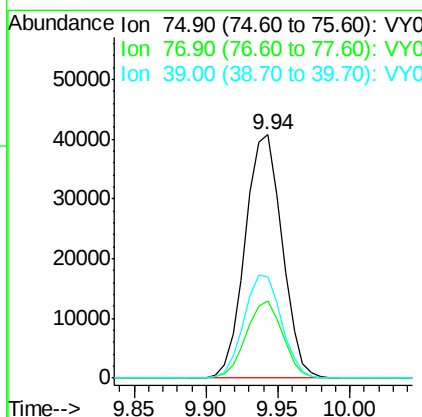
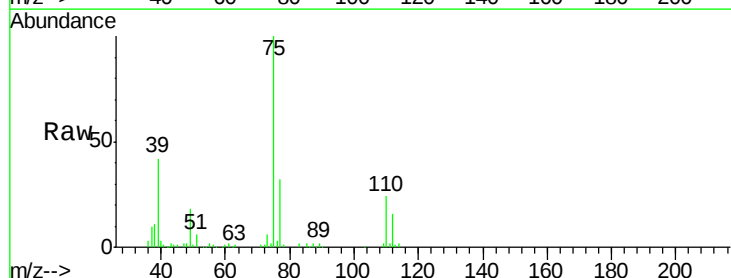
Manual Integrations
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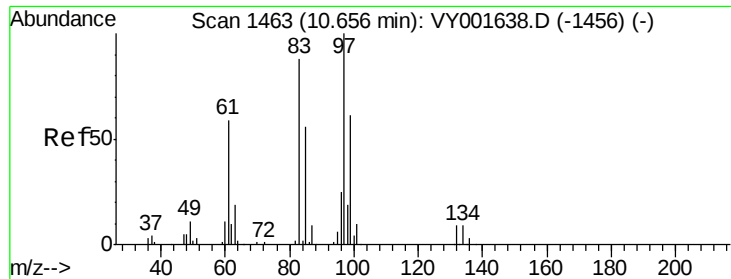
MMDadoda
3/2/2020 10:35:54 AM



#54
cis-1,3-Dichloropropene
Concen: 20.426 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion: 75 Resp: 72253
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 41.7 35.7 53.5





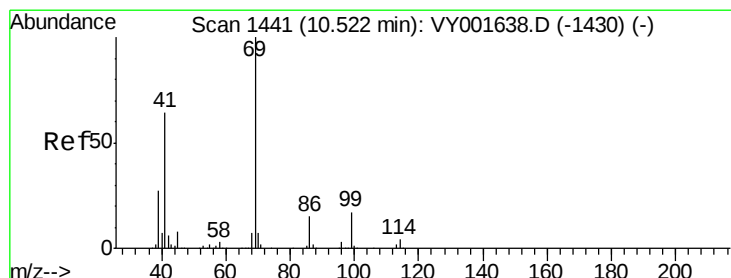
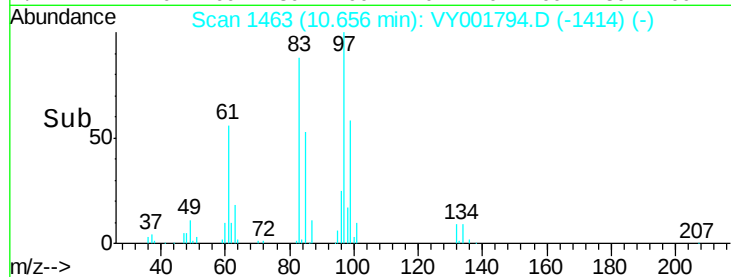
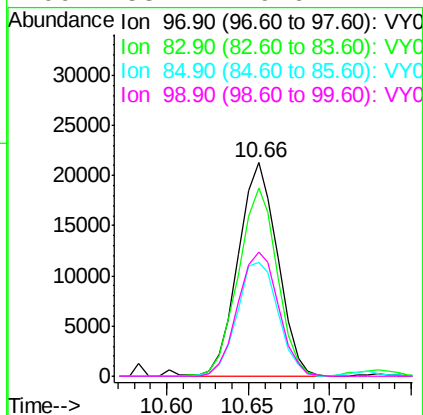
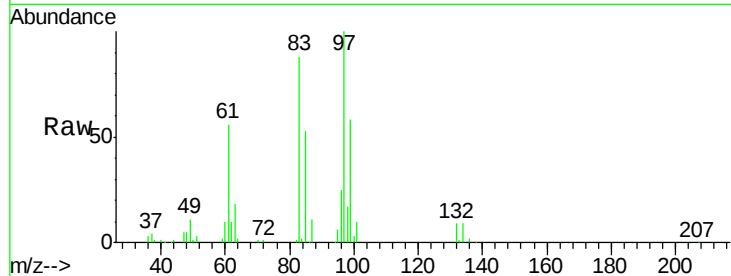
#55
 1,1,2-Trichloroethane
 Concen: 21.103 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.7	104.5
85	53.3	44.5	66.7
99	58.1	49.6	74.4

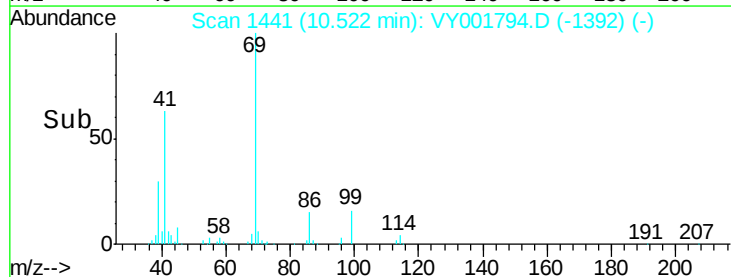
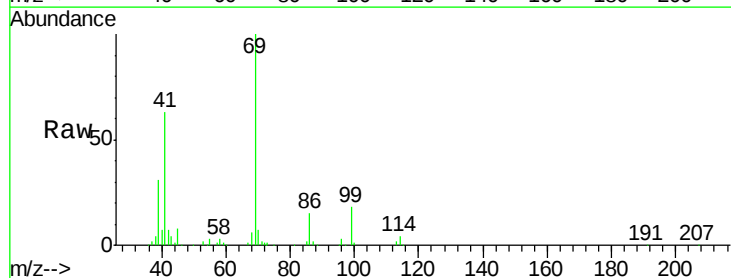
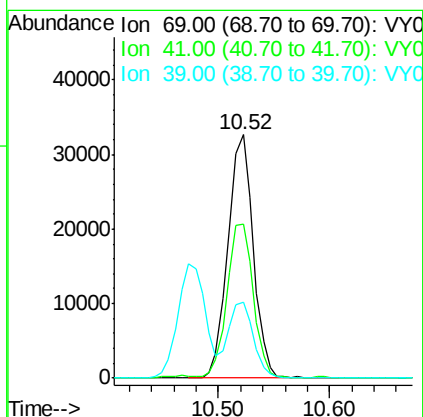
Manual Integrations
 APPROVED

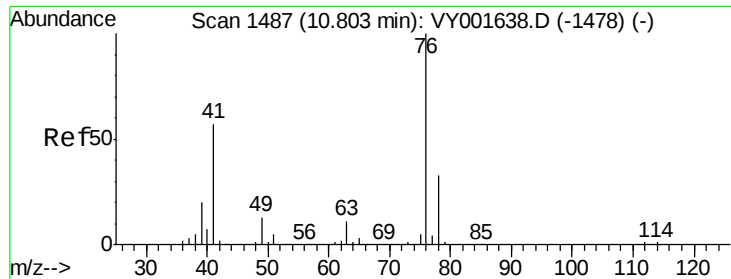
MMDadoda
 3/2/2020 10:35:54 AM



#56
 Ethyl methacrylate
 Concen: 20.250 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.0	76.4
39	31.1	24.7	37.1





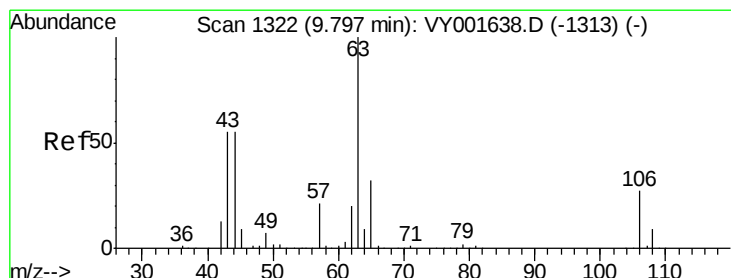
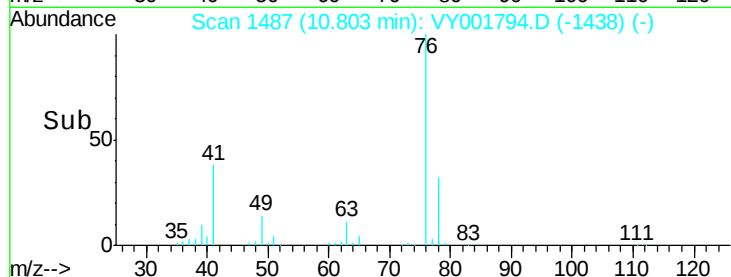
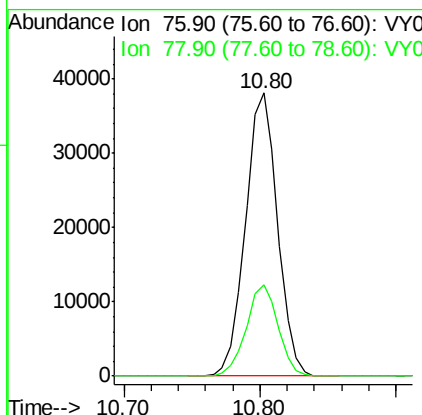
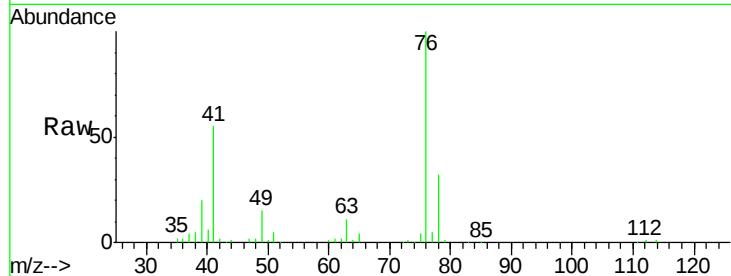
#57
 1,3-Dichloropropane
 Concen: 20.810 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

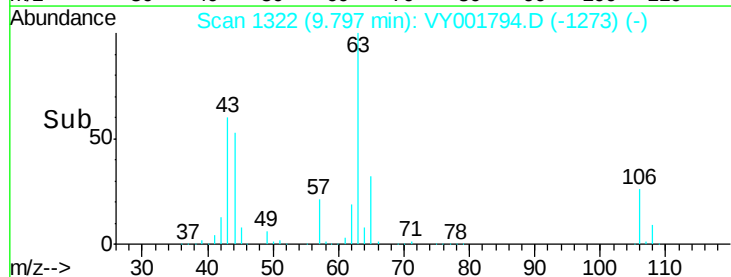
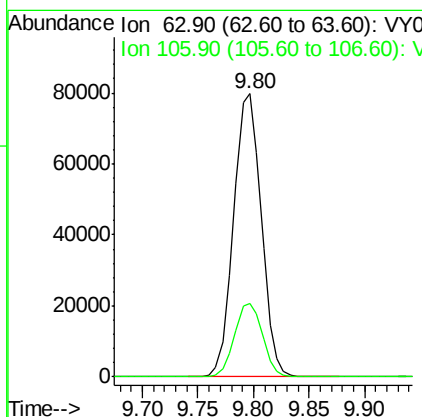
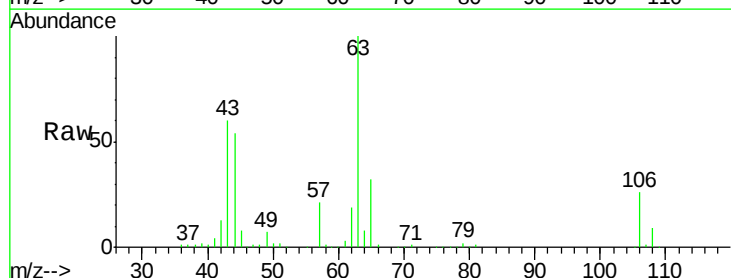
Manual Integrations
 APPROVED

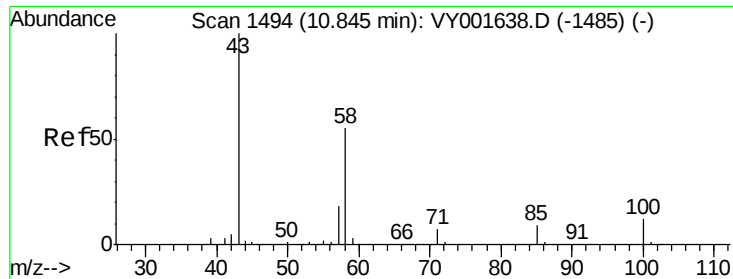
MMDadoda
 3/2/2020 10:35:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.383 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4





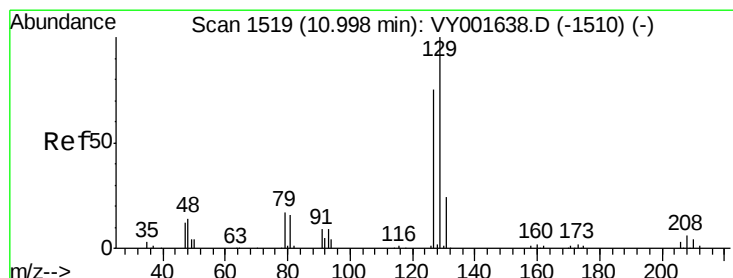
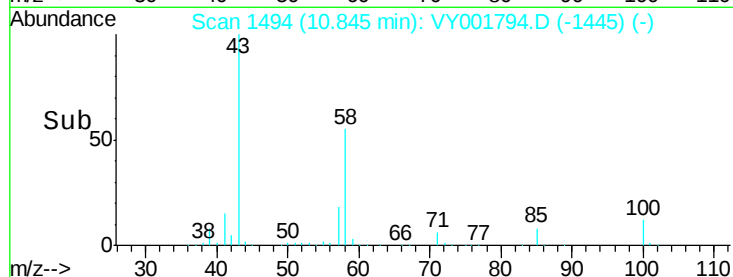
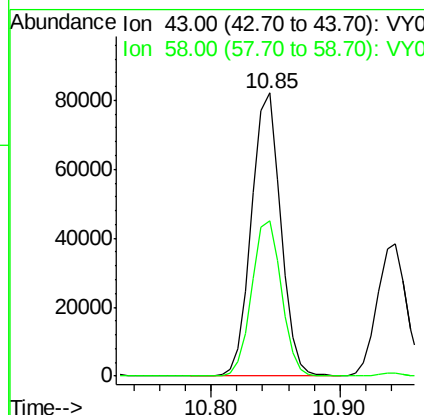
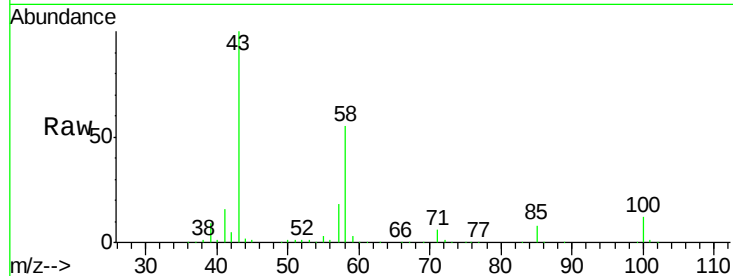
#59
2-Hexanone
Concen: 98.393 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.4	85.2

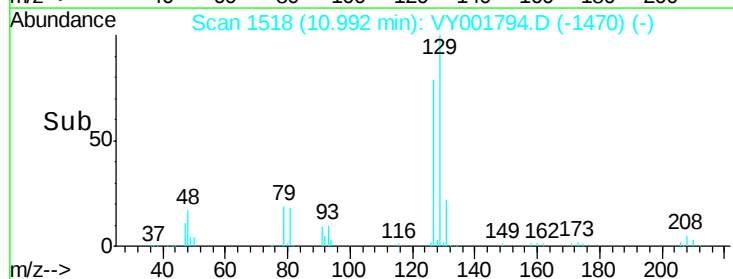
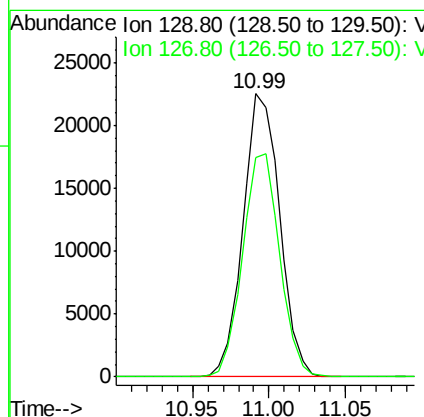
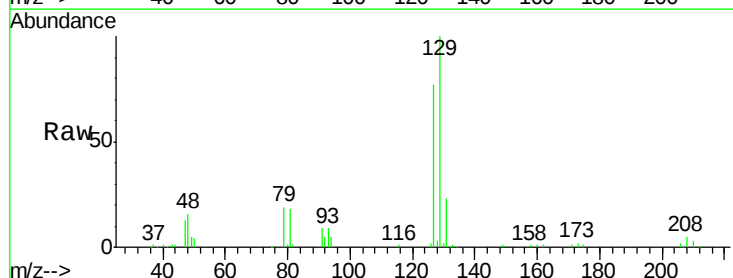
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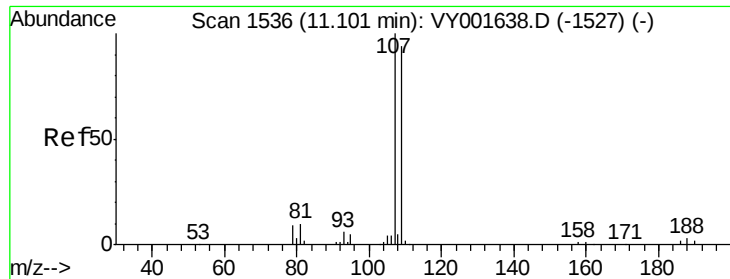
MMDadoda
3/2/2020 10:35:54 AM



#60
Dibromochloromethane
Concen: 19.992 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.9	116.6





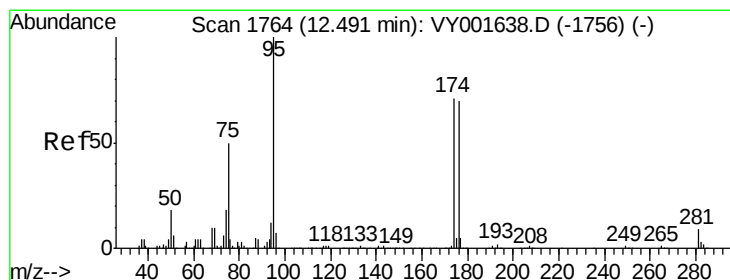
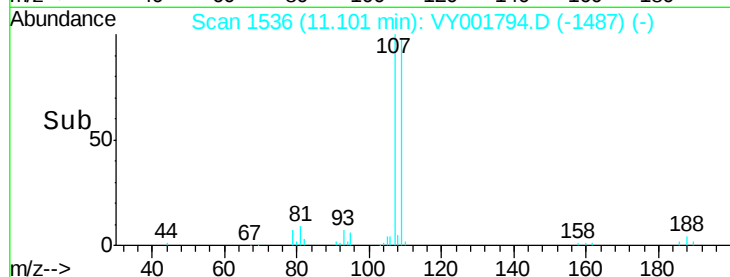
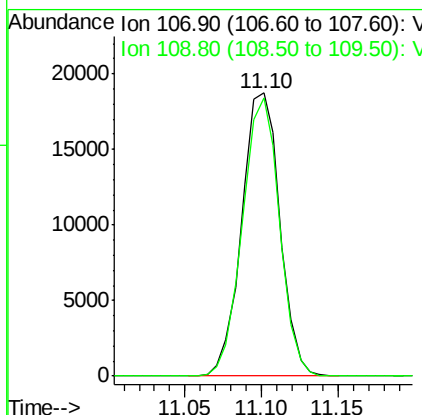
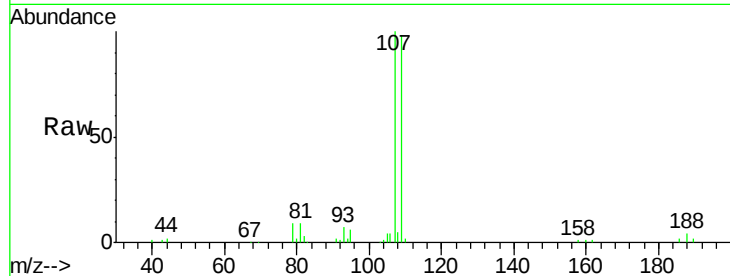
#61
 1,2-Dibromoethane
 Concen: 20.188 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.2	111.4

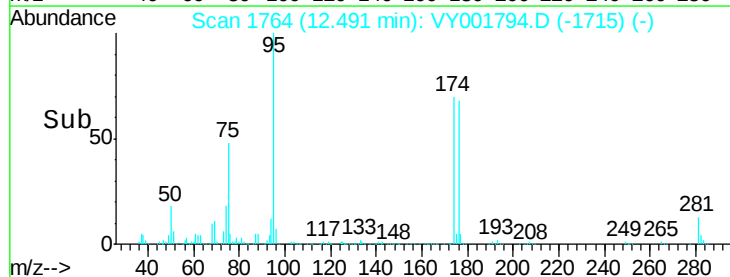
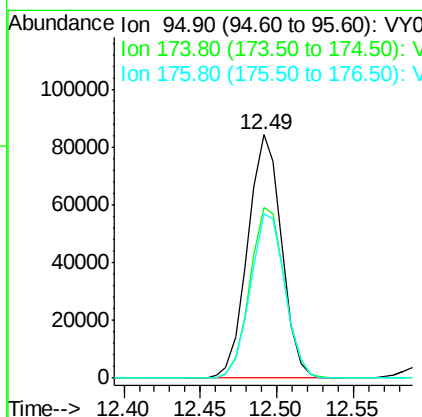
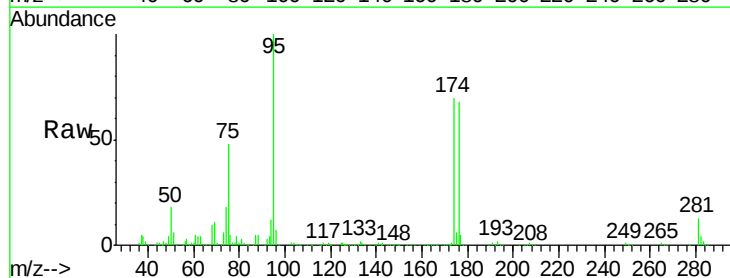
Manual Integrations
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MMDadoda
 3/2/2020 10:35:54 AM



#62
 4-Bromofluorobenzene
 Concen: 47.429 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	138.4
176	69.0	0.0	131.8





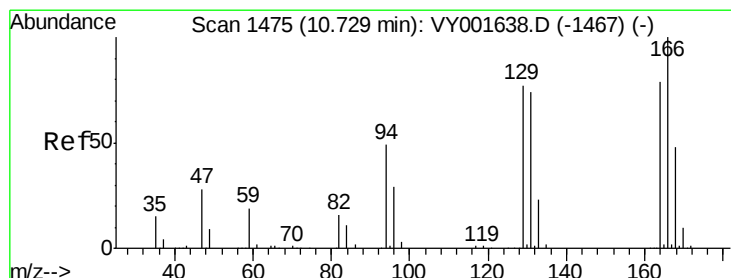
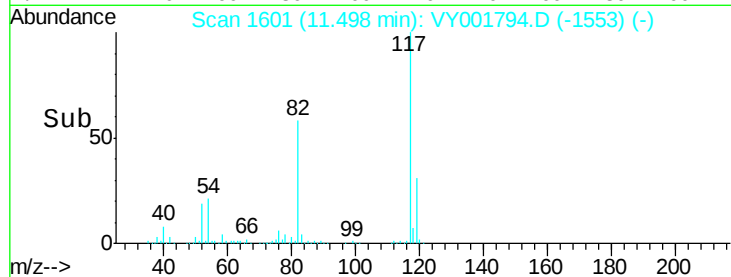
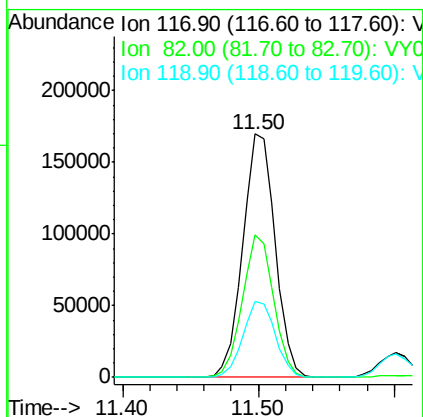
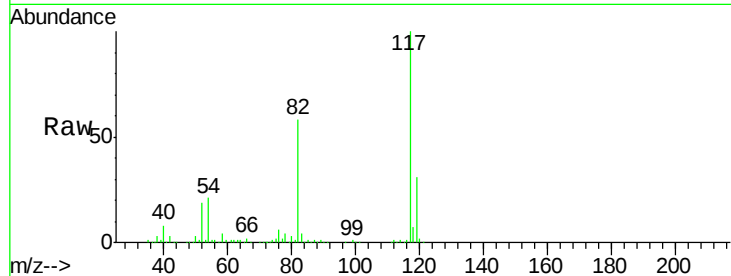
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281534		
82	58.4	45.5	68.3	
119	31.2	25.8	38.6	

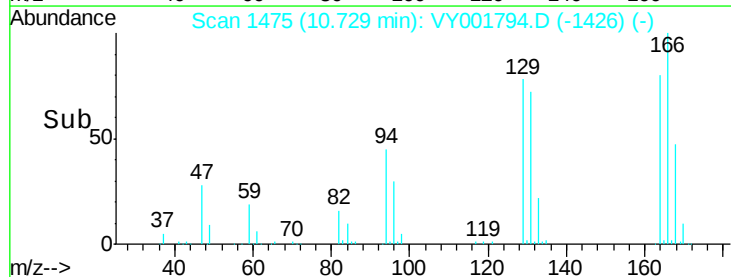
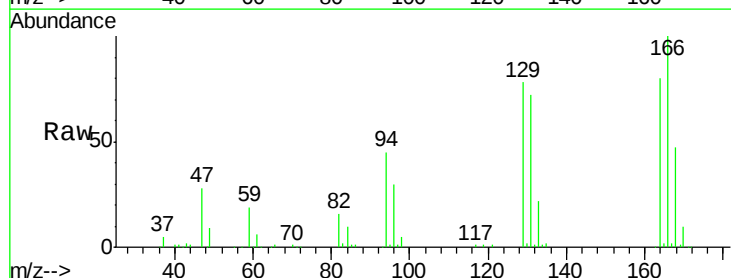
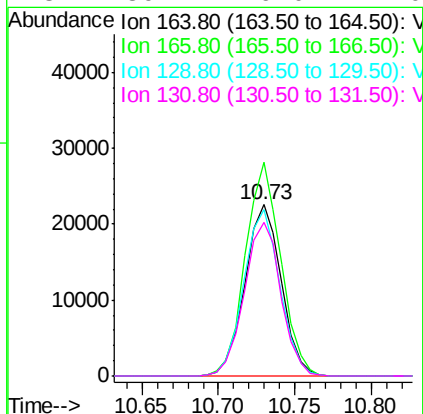
Manual Integrations
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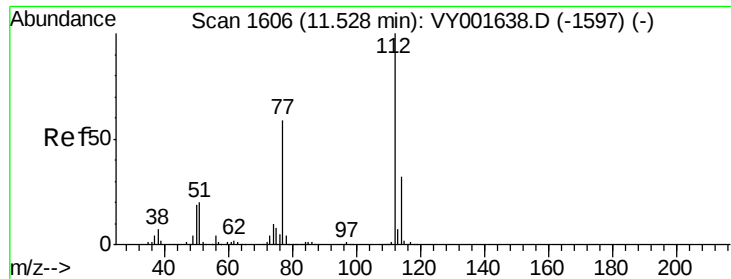
MMDadoda
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#64
Tetrachloroethene
Concen: 21.026 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37161		
166	124.7	101.4	152.0	
129	97.4	78.7	118.1	
131	89.4	76.0	114.0	





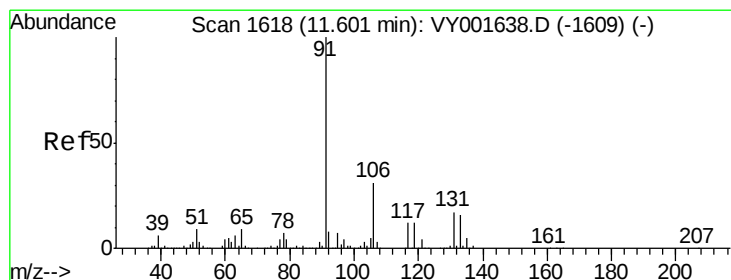
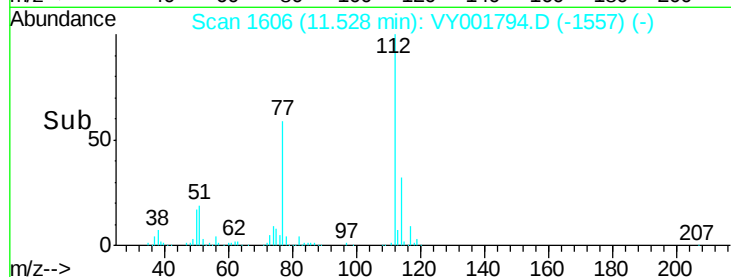
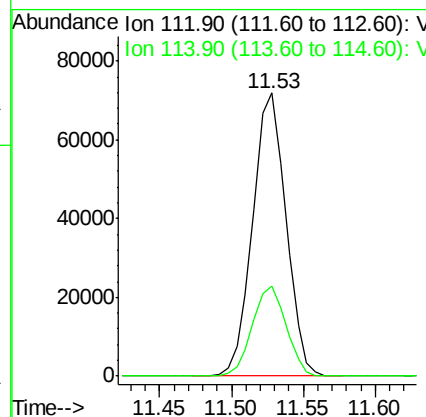
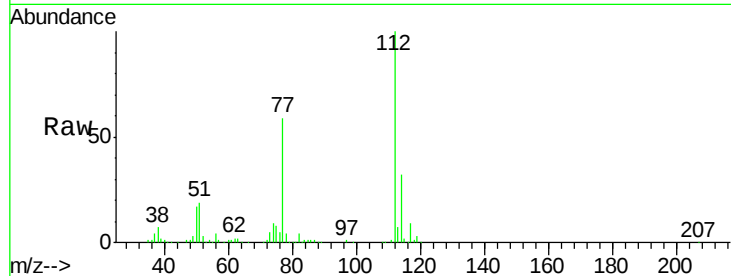
#65
Chlorobenzene
Concen: 20.450 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion:112 Resp: 114946
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

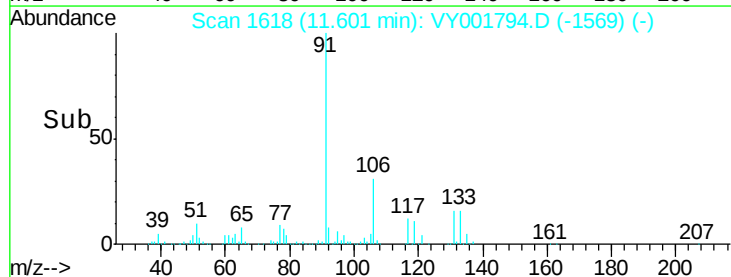
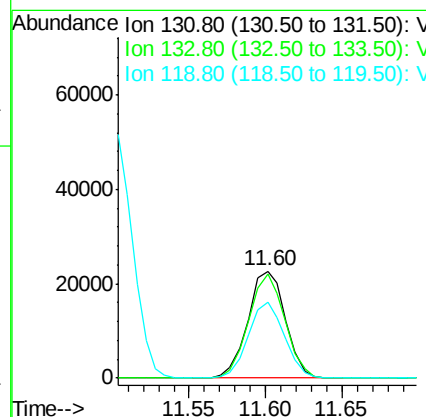
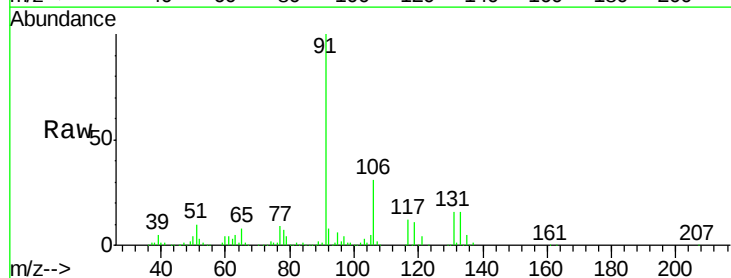
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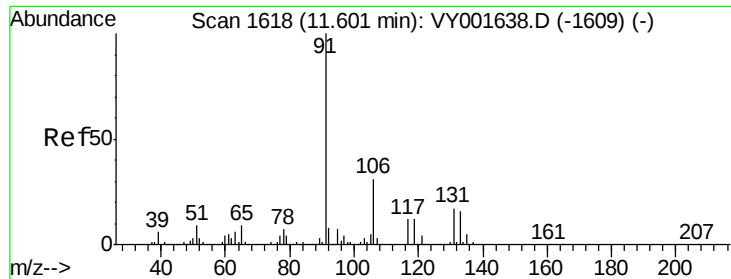
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.304 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion:131 Resp: 38497
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 68.7 34.4 103.1





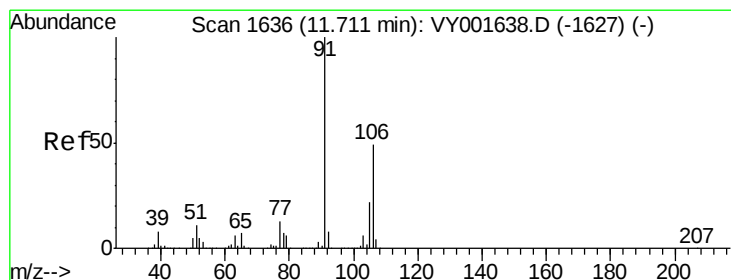
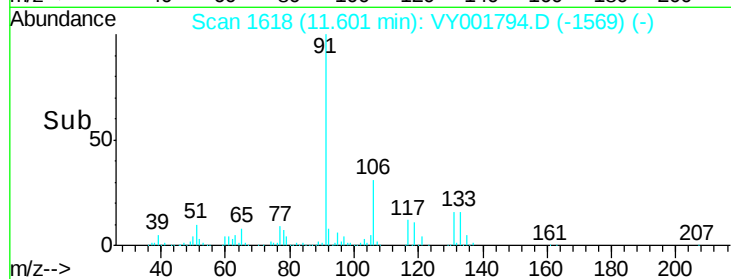
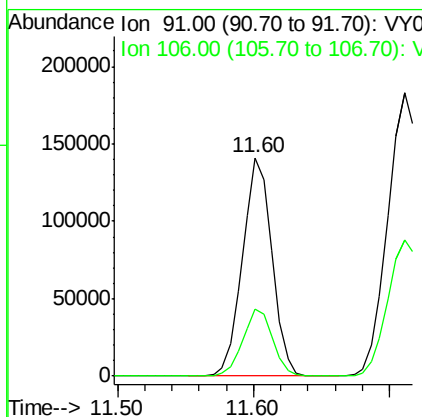
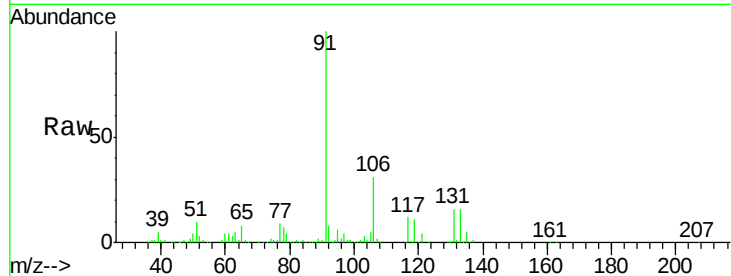
#67
Ethyl Benzene
Concen: 20.508 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		213918		
106	31.0	24.5	36.7		

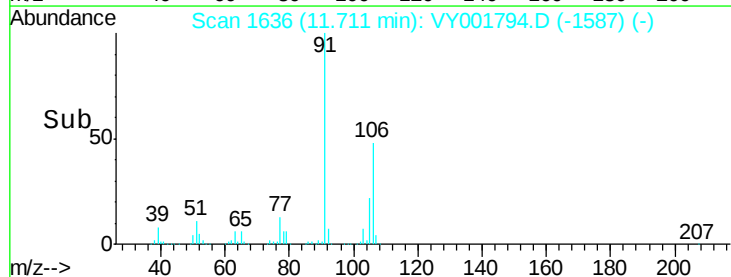
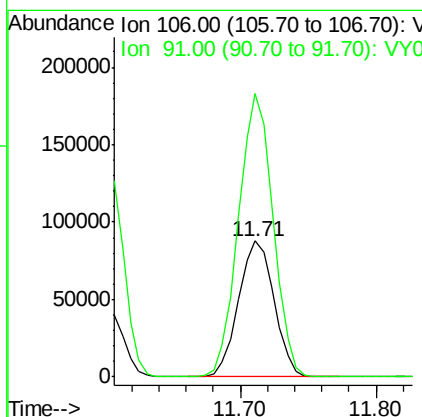
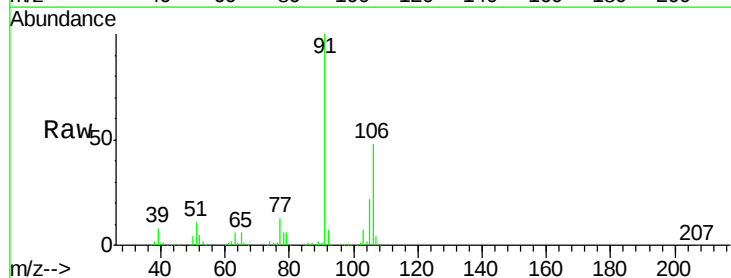
Manual Integrations
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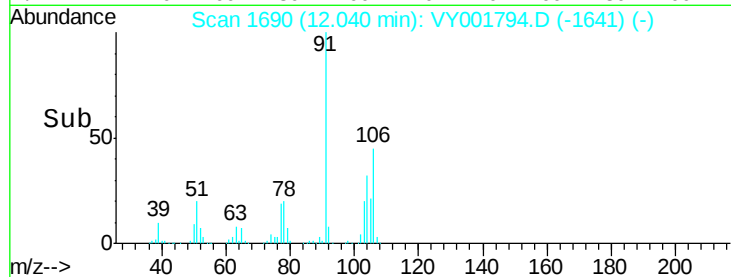
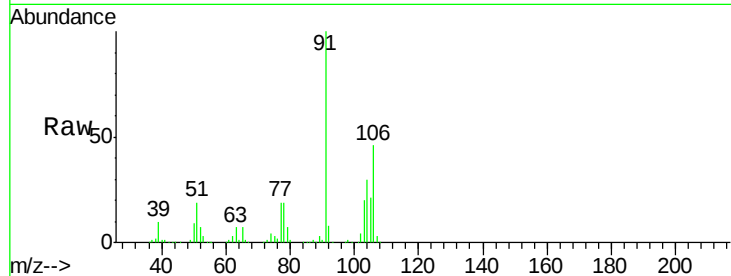
MMDadoda
3/2/2020 10:35:54 AM



#68
m/p-Xylenes
Concen: 41.117 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		160210		
91	202.4	163.3	244.9		





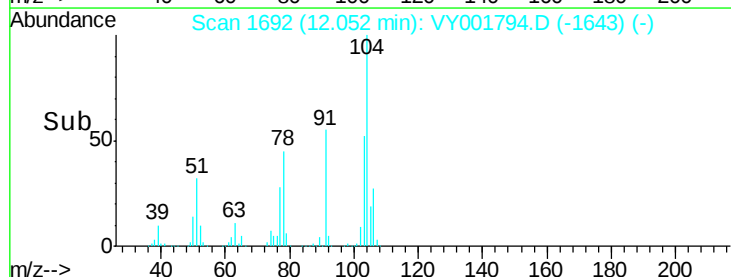
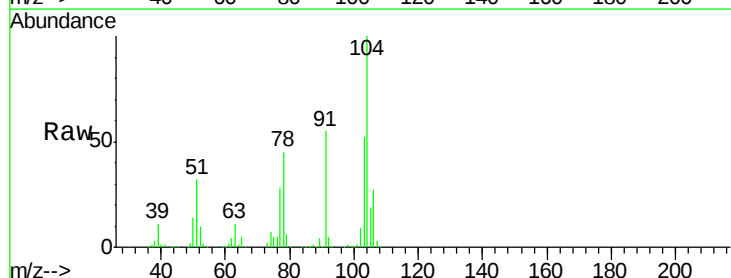
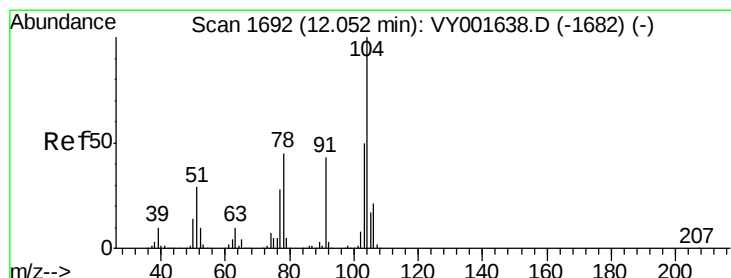
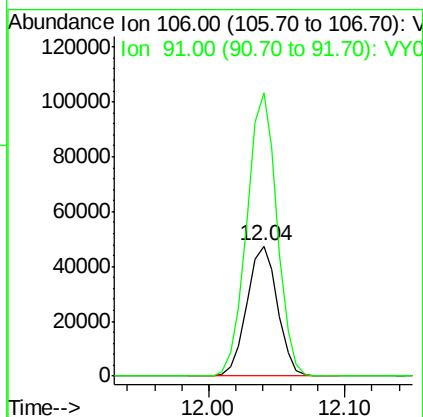
#69
o-Xylene
Concen: 20.197 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tot Ion:106 Resp: 74817
Ion Ratio Lower Upper
106 100
91 214.9 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

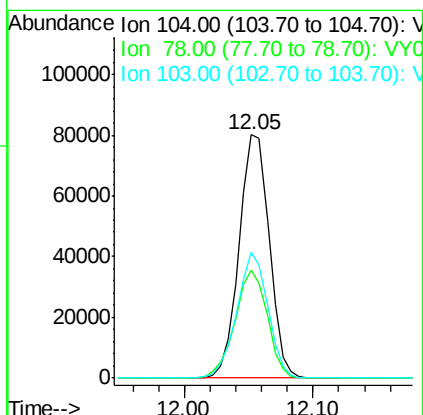
Manual Integrations
APPROVED

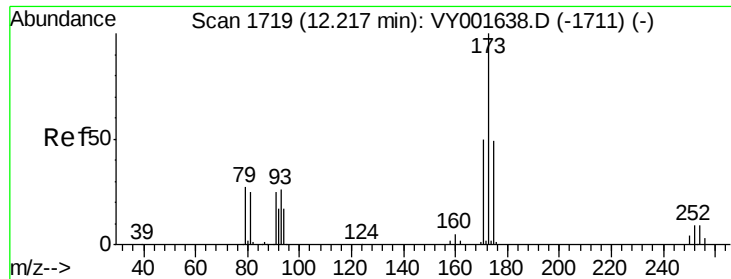
MMDadoda
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#70
Styrene
Concen: 20.180 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion:104 Resp: 129916
Ion Ratio Lower Upper
104 100
78 47.7 39.2 58.8
103 53.3 43.0 64.6





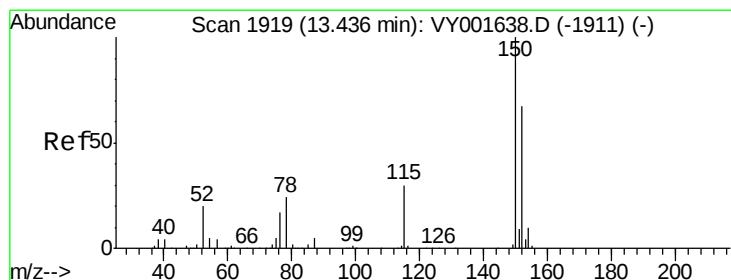
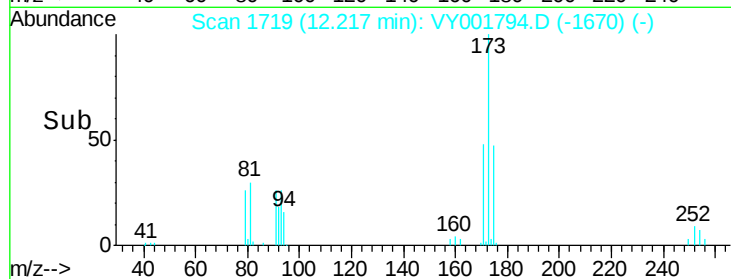
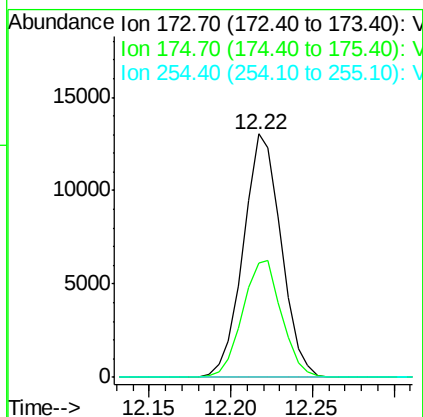
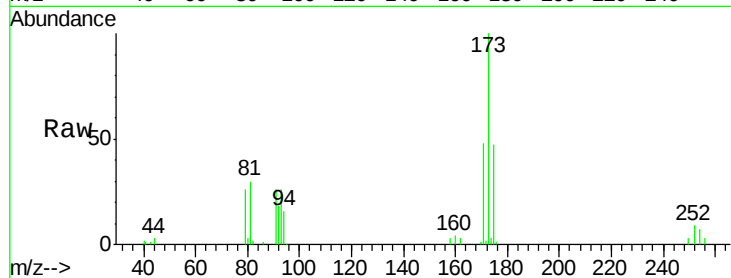
#71
Bromoform
Concen: 19.466 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.0	0.1	0.1#

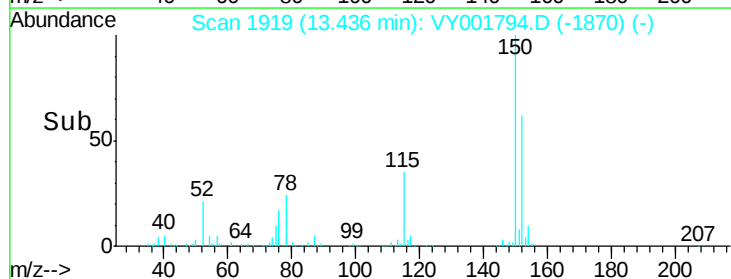
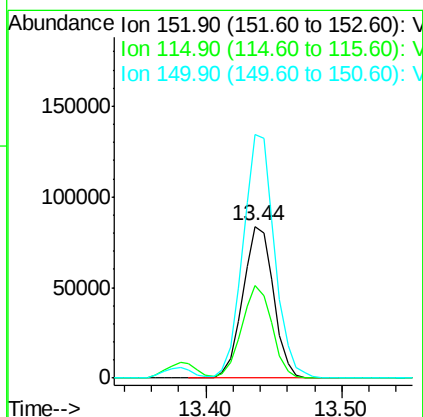
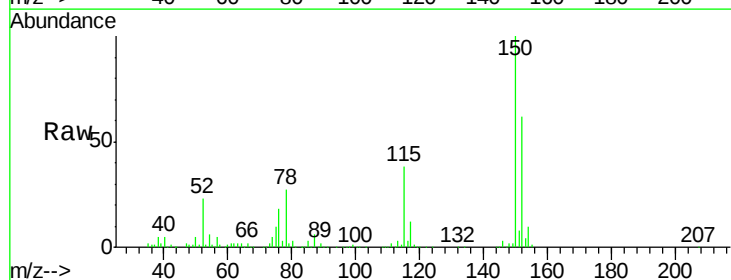
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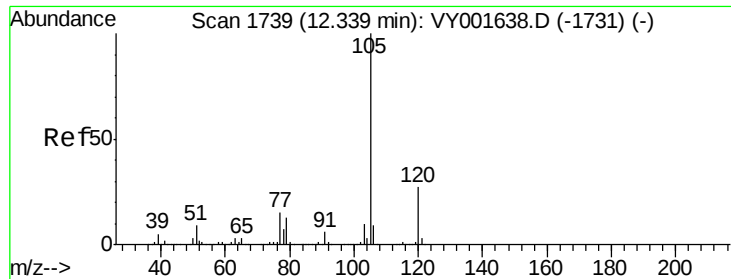
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.4	94.2
150	164.7	0.0	407.2





#73

Isopropylbenzene

Concen: 20.283 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion:105 Resp: 204054

Ion Ratio Lower Upper

105 100

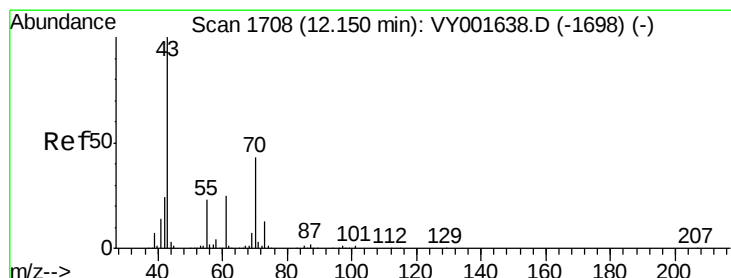
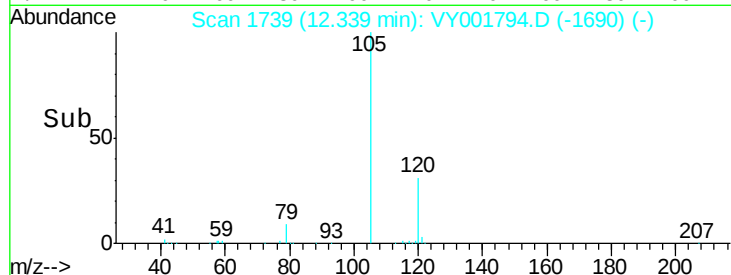
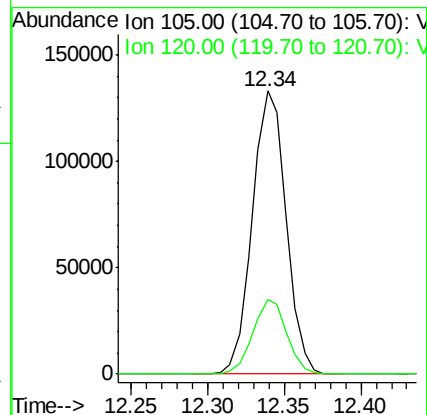
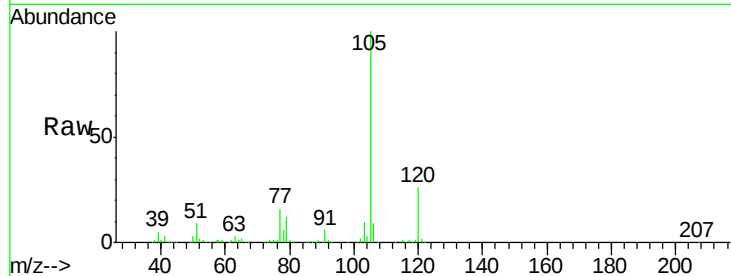
120 26.3 13.4 40.1

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#74

N-ethyl acetate

Concen: 19.580 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion: 43 Resp: 62866

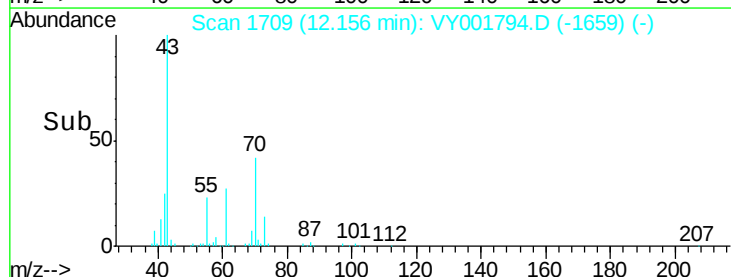
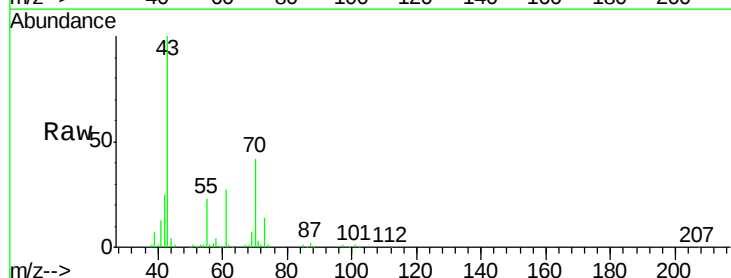
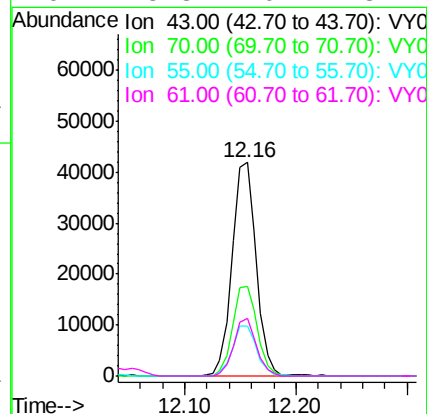
Ion Ratio Lower Upper

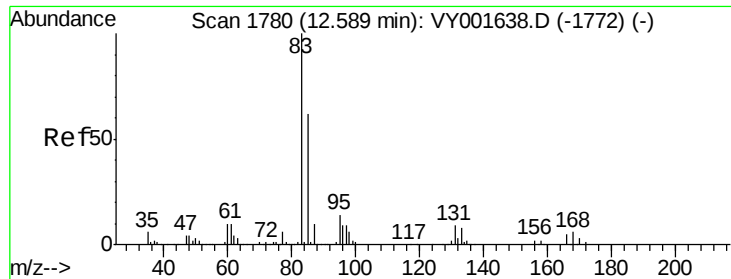
43 100

70 42.8 35.9 53.9

55 23.8 18.3 27.5

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.693 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

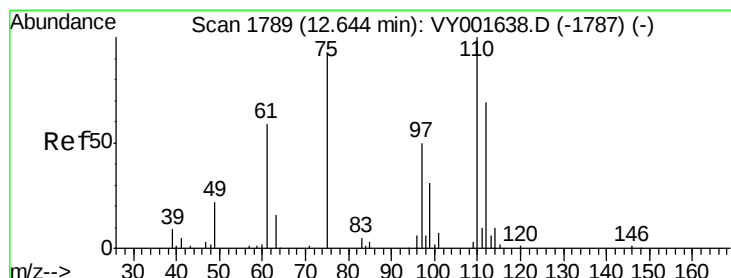
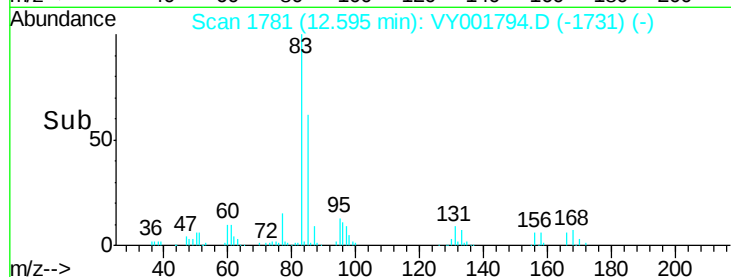
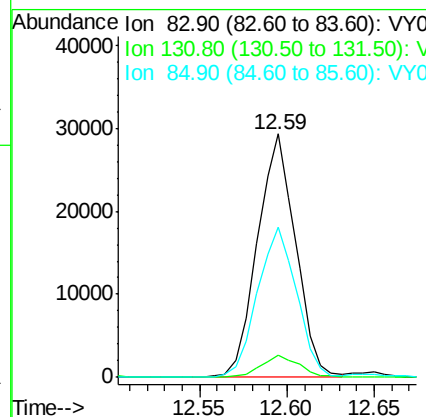
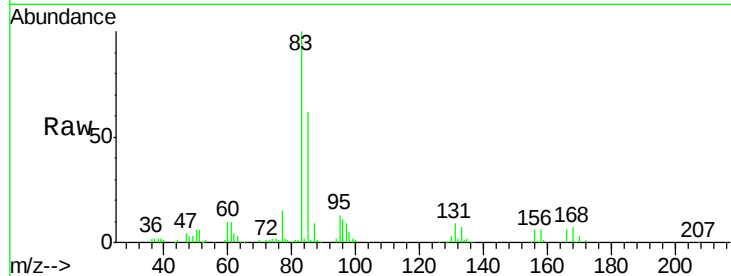
ClientSampleId :

VY0228SBS01

Tot Ion:	83	Resp:	44451
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	63.5	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 20.579 ug/l m

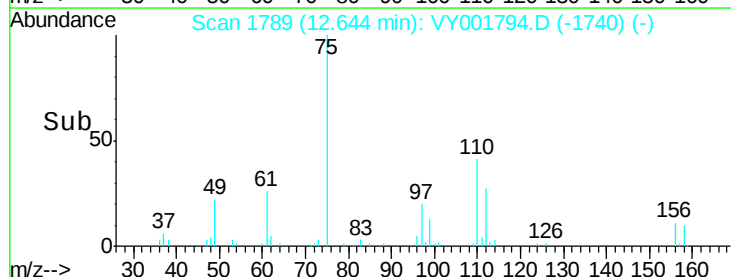
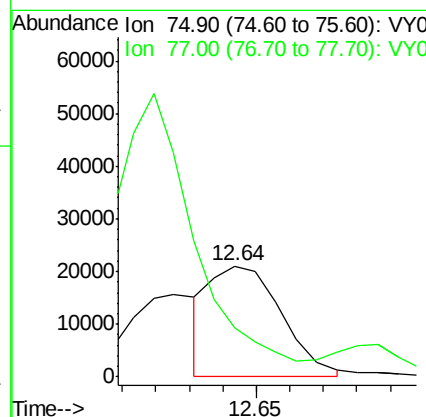
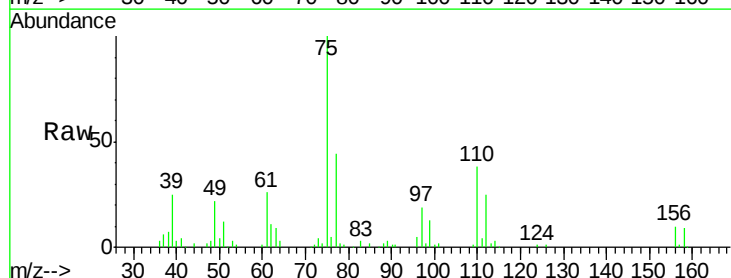
RT: 12.64 min Scan# 1789

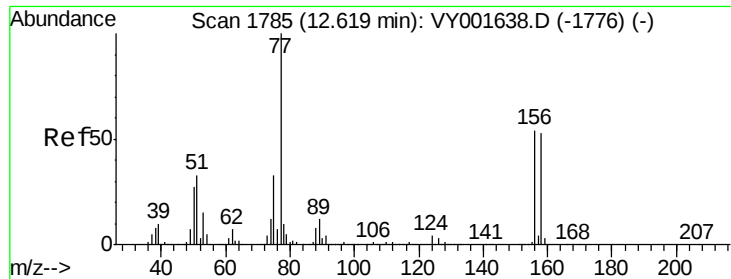
Delta R.T. -0.00 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion:	75	Resp:	31175
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.124 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_Y

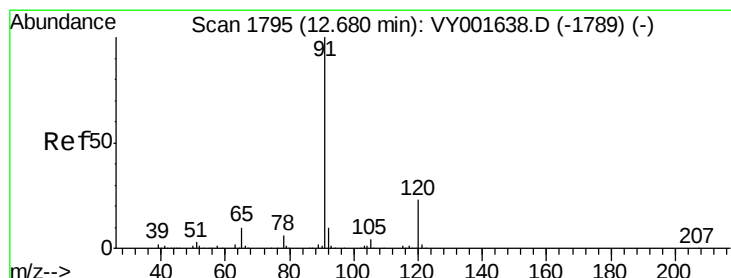
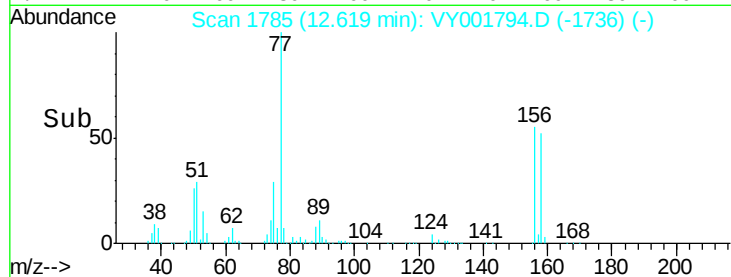
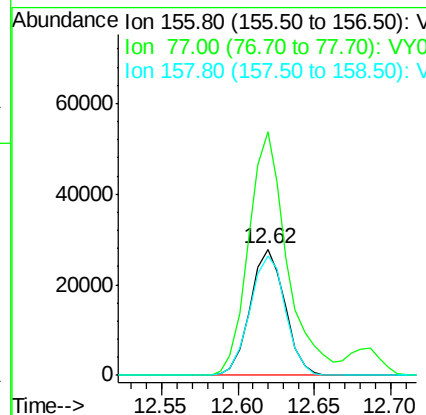
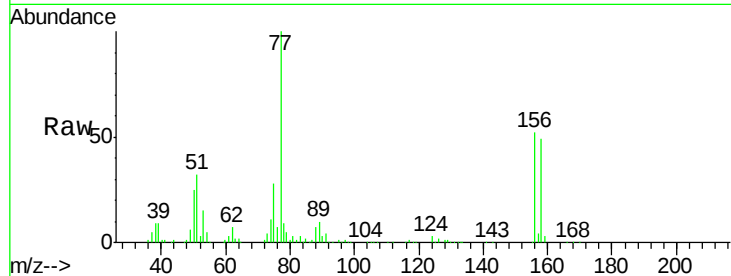
ClientSampleId :

VY0228SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.6	110.1	330.1
158	97.0	47.9	143.7

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#78

n-propylbenzene

Concen: 20.636 ug/l

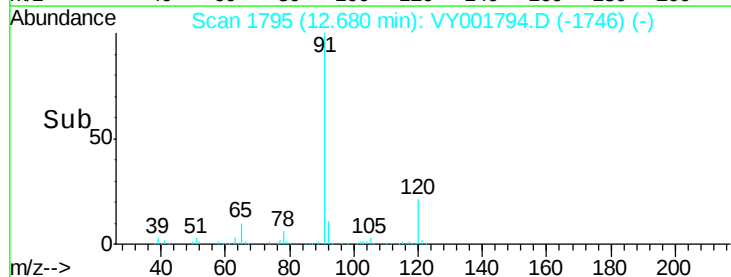
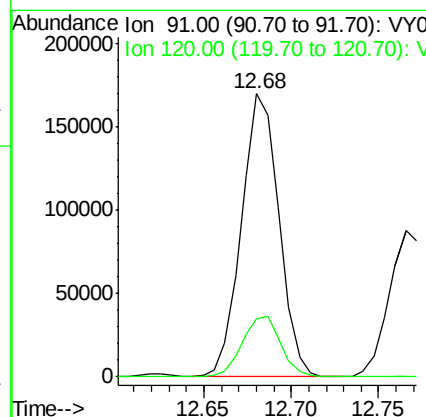
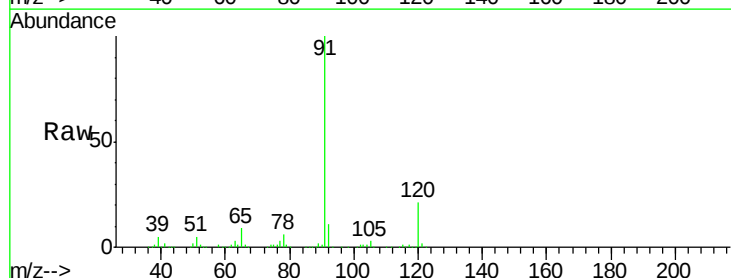
RT: 12.68 min Scan# 1795

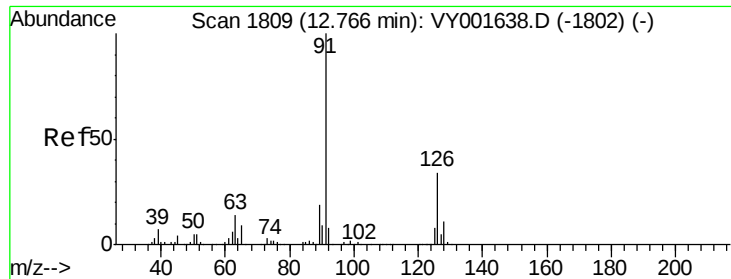
Delta R.T. -0.00 min

Lab File: VY001794.D

Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





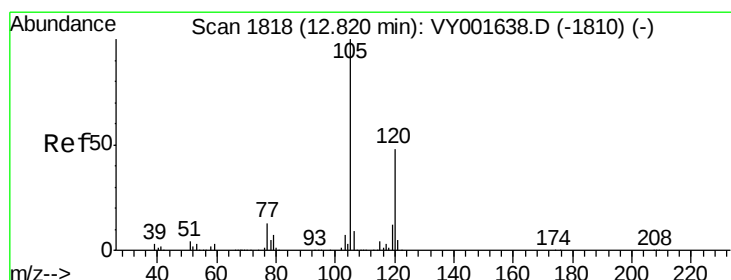
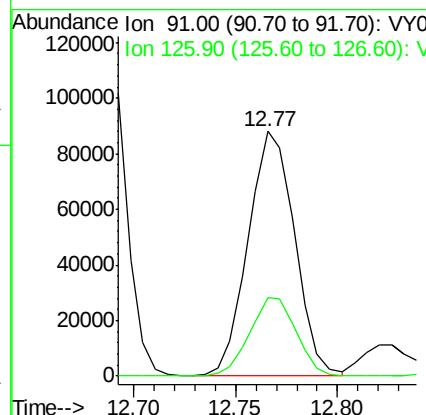
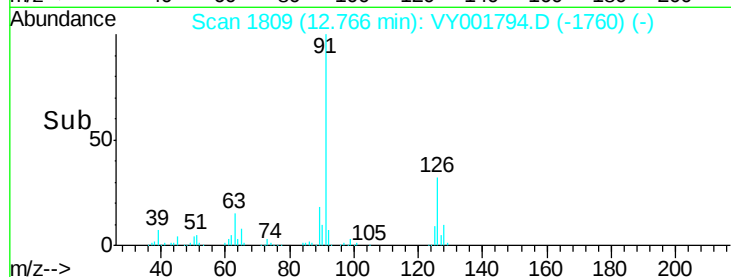
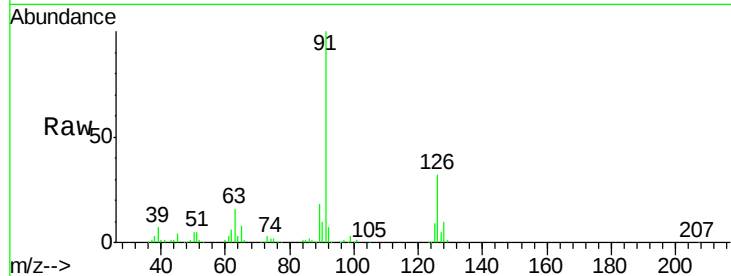
#79
 2-Chlorotoluene
 Concen: 20.373 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion: 91 Resp: 140005
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6

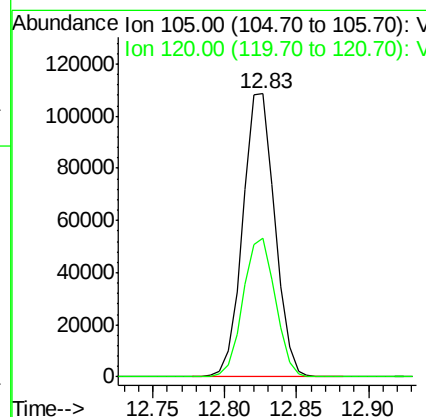
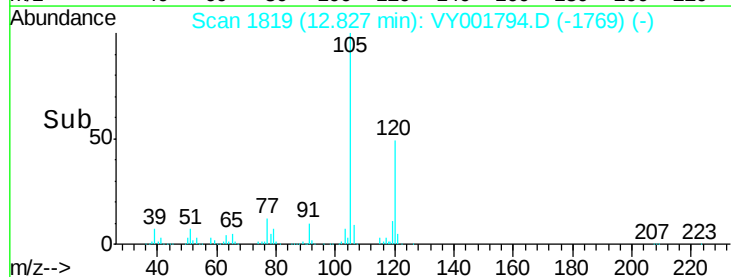
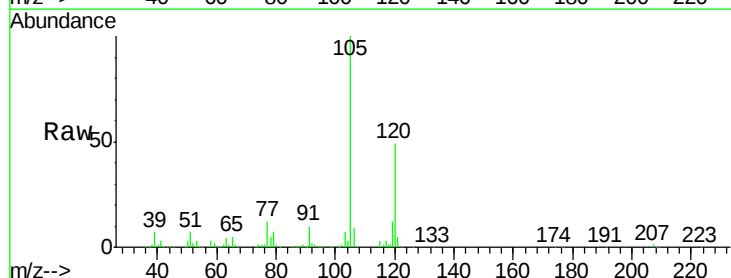
Manual Integrations
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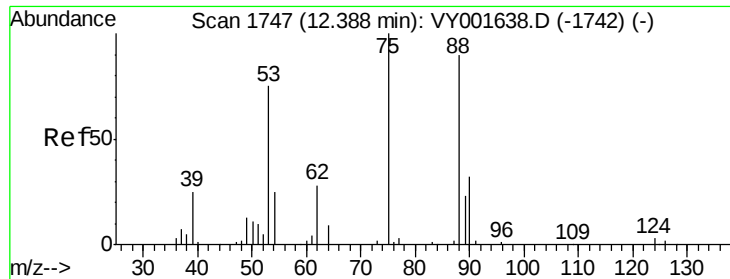
MMDadoda
 3/2/2020 10:35:54 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.100 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion: 105 Resp: 167386
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.9





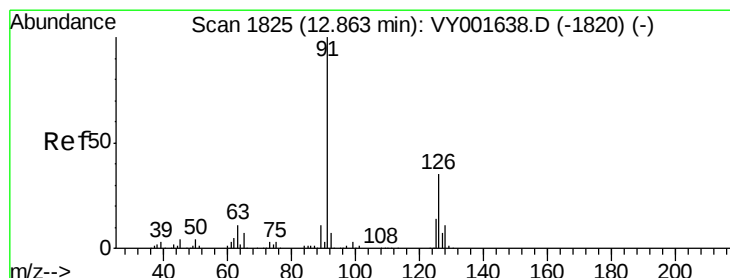
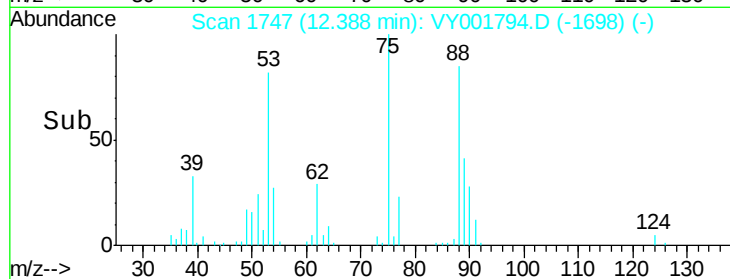
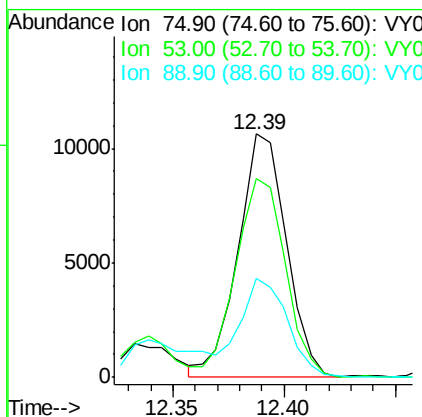
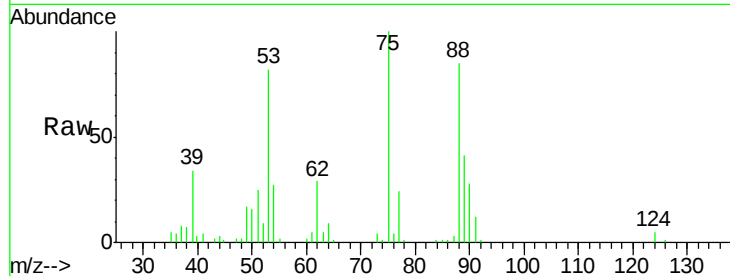
#81
trans-1,4-Dichloro-2-butene
Concen: 20.177 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	64.5	96.7
89	39.6	36.3	54.5

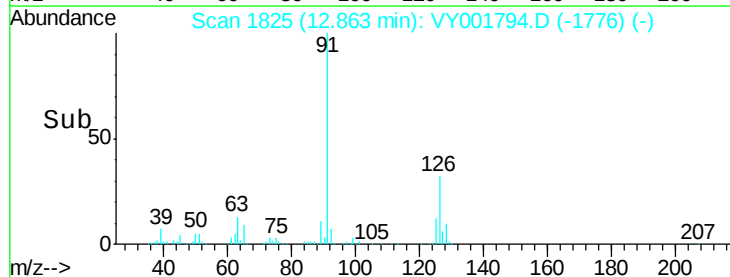
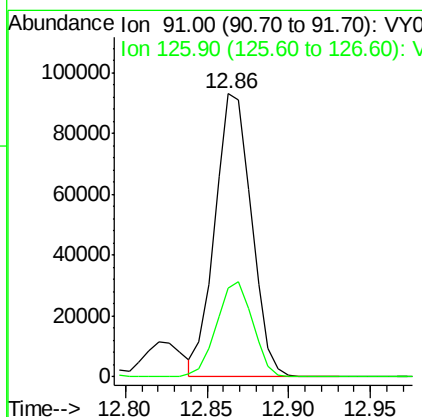
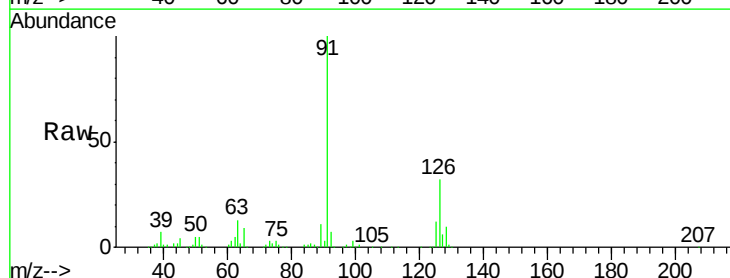
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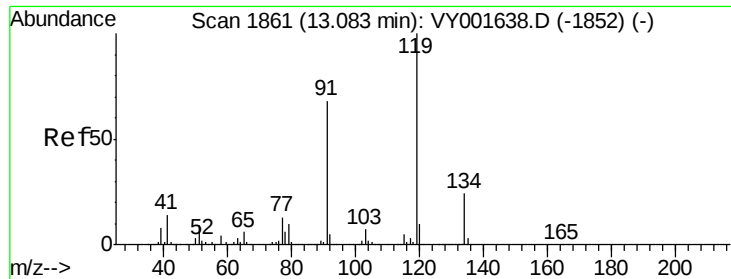
MMDadoda
3/2/2020 10:35:54 AM



#82
4-Chlorotoluene
Concen: 20.054 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6





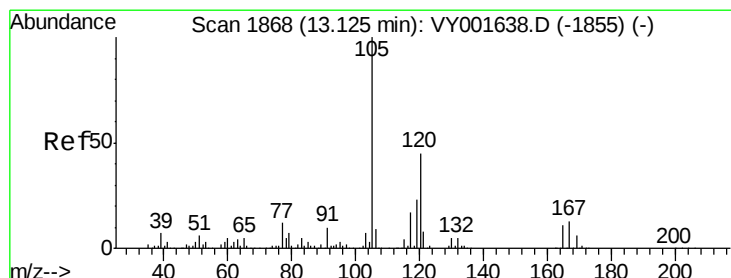
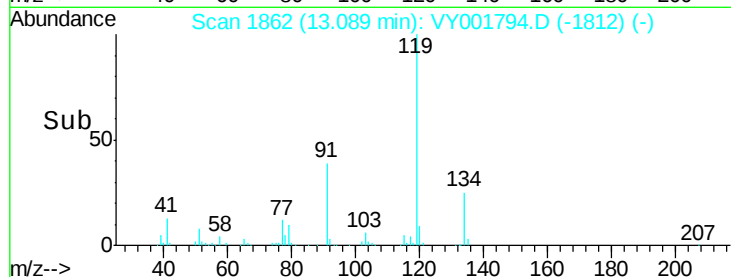
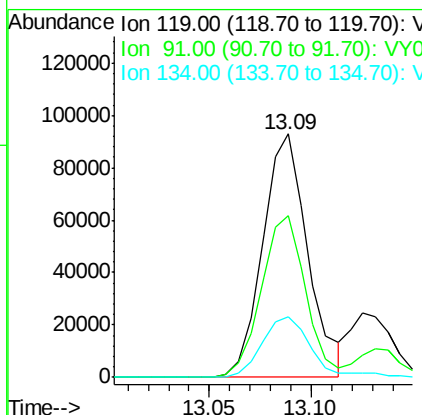
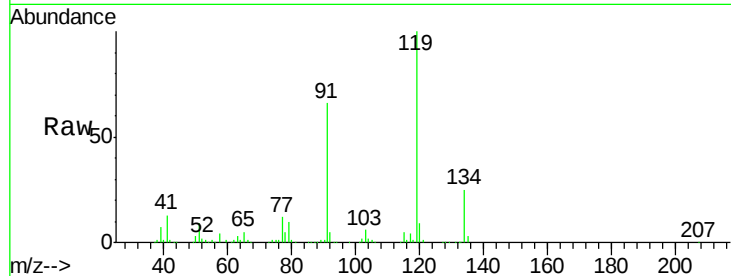
#83
tert-Butylbenzene
Concen: 20.595 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.5	100.5
134	27.1	13.3	39.8

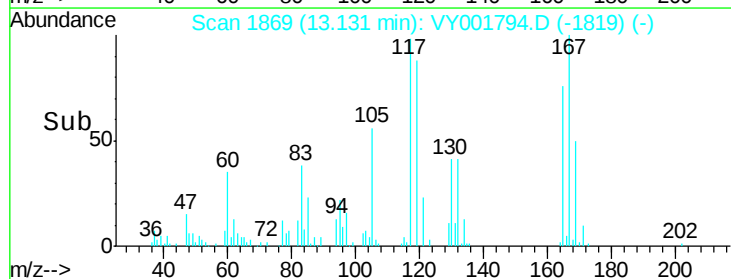
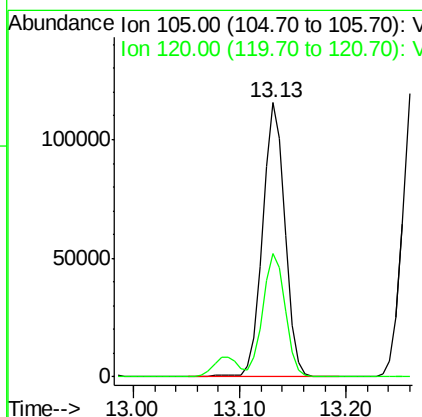
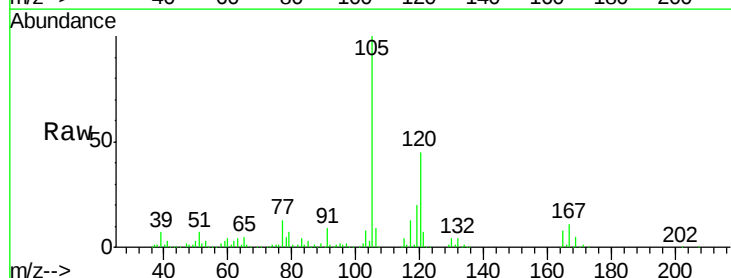
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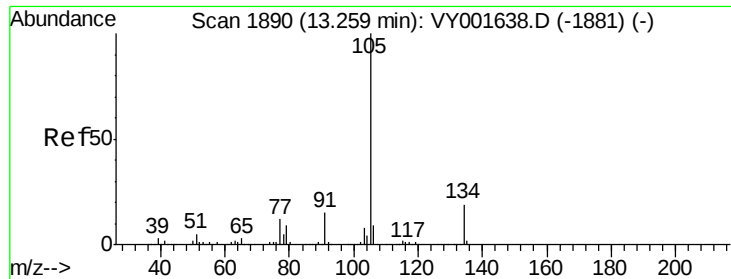
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.483 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





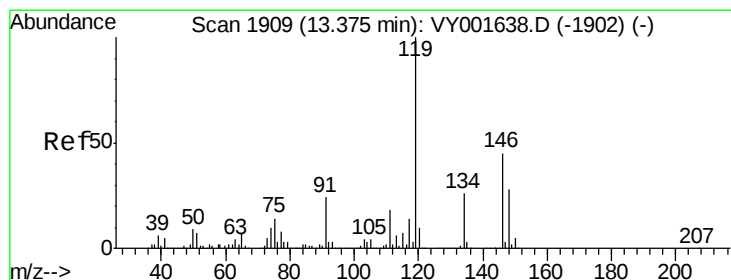
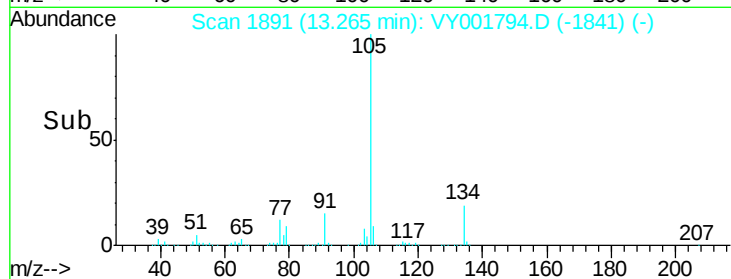
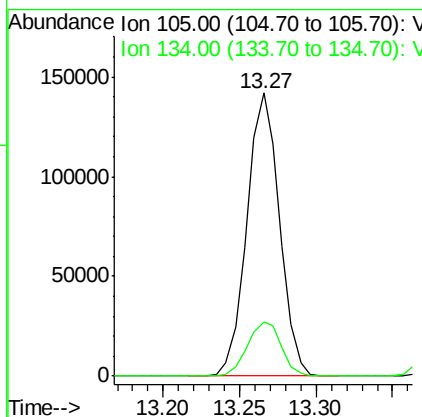
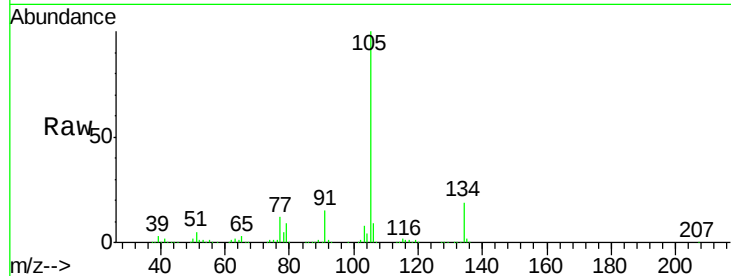
#85
 sec-Butylbenzene
 Concen: 20.499 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	209990		
134	19.7	9.8	29.3	

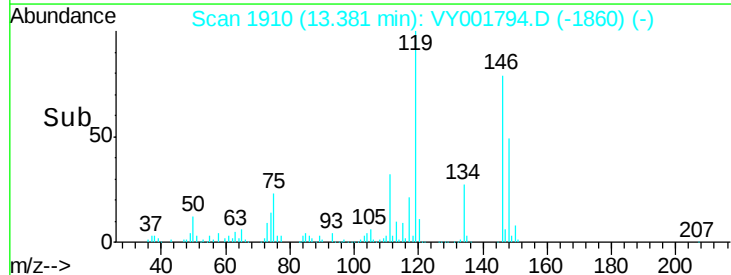
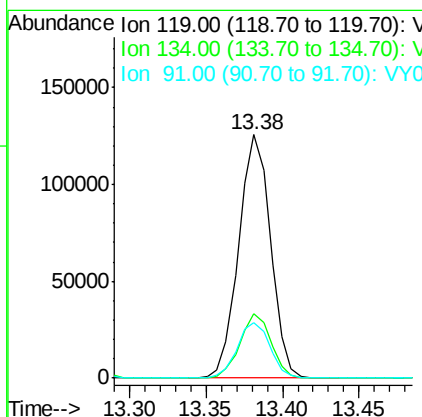
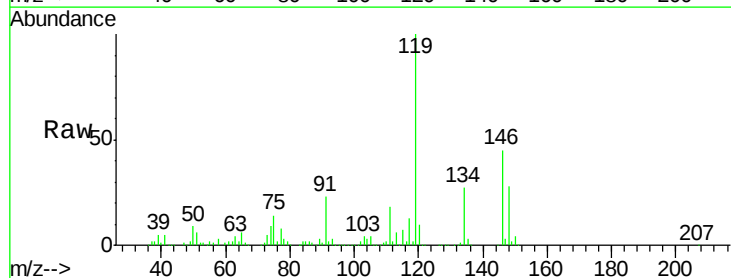
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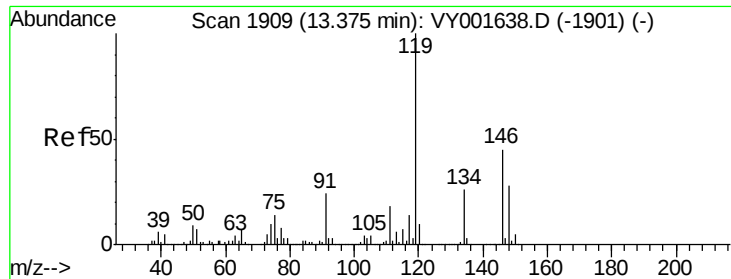
MMDadoda
 3/2/2020 10:35:54 AM



#86
 p-Isopropyltoluene
 Concen: 20.483 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	182282		
134	26.1	13.0	39.0	
91	23.7	12.2	36.6	





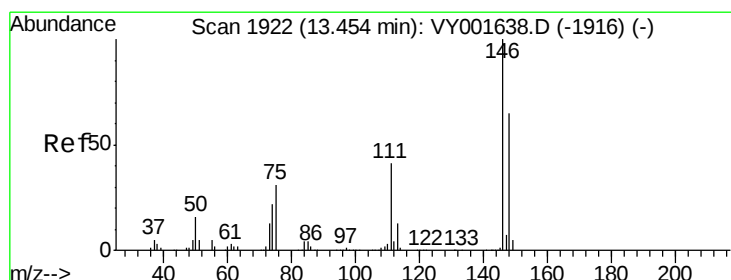
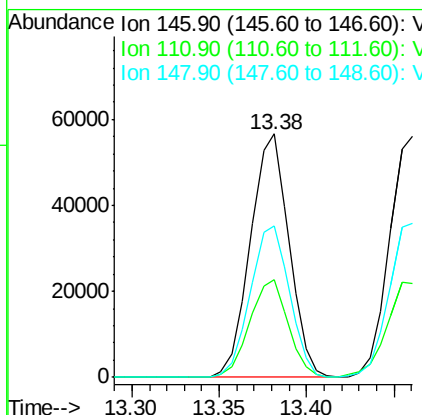
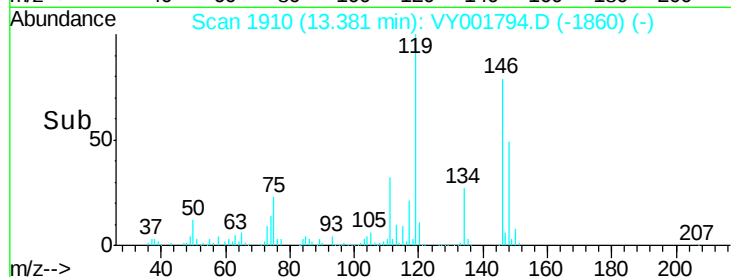
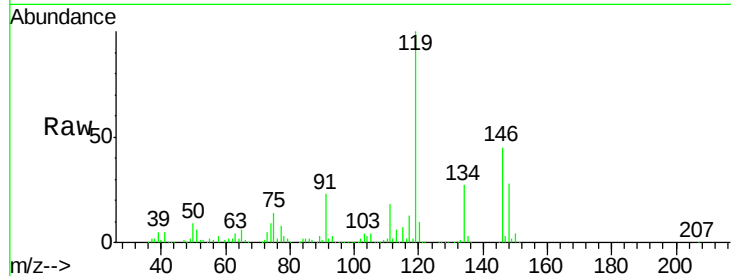
#87
 1,3-Dichlorobenzene
 Concen: 20.548 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.3
148	63.4	31.6	94.7

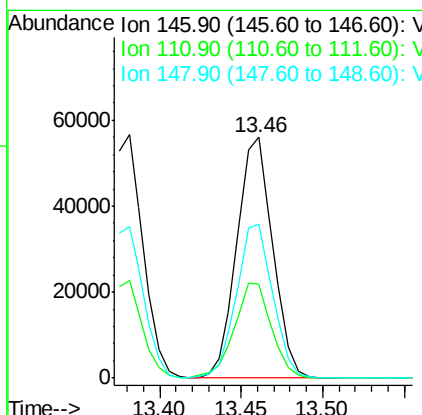
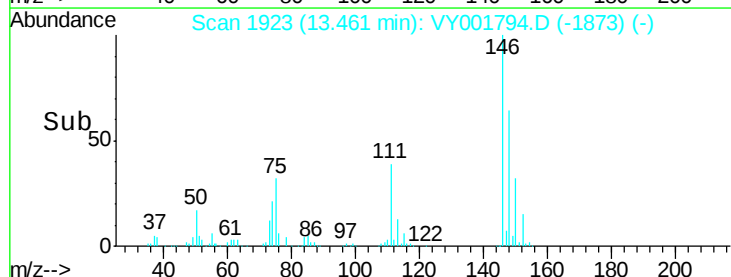
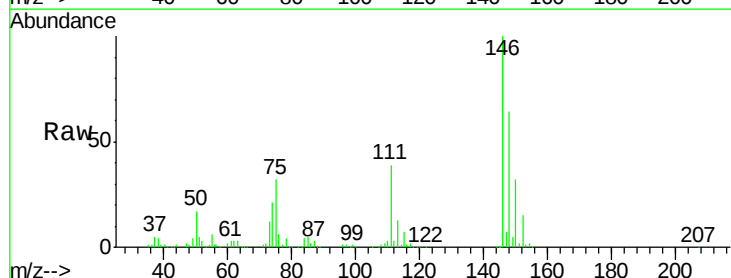
Manual Integrations
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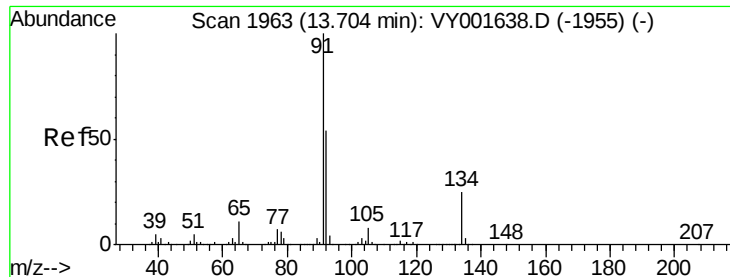
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.084 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	64.9	31.6	94.7





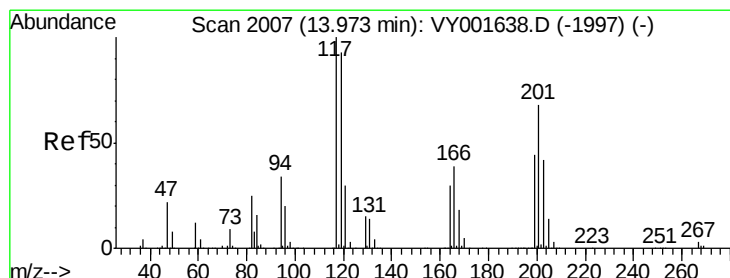
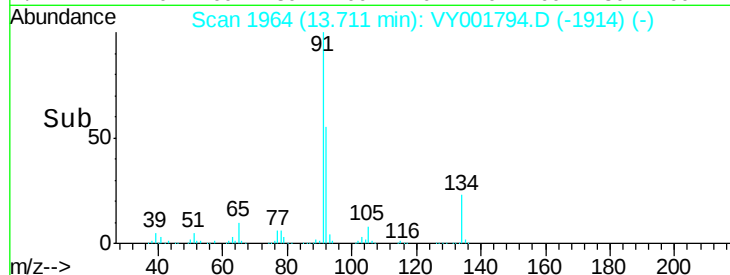
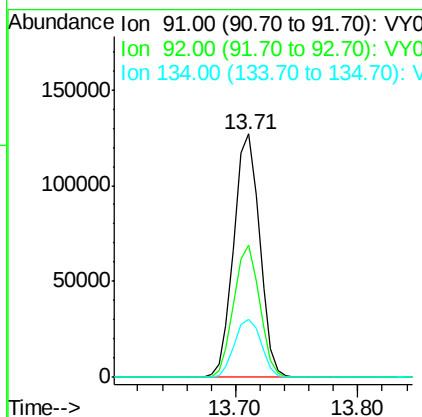
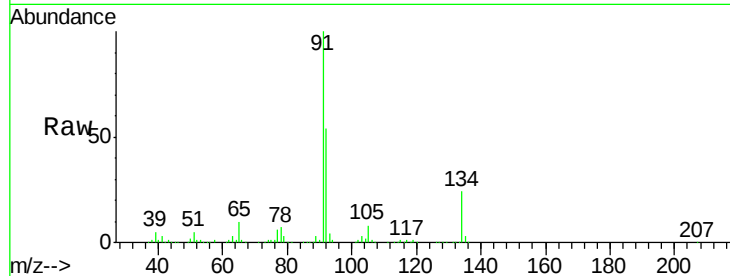
#89
n-Butylbenzene
Concen: 20.427 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	185749		
92	54.0		27.5	82.4
134	24.7		12.4	37.4

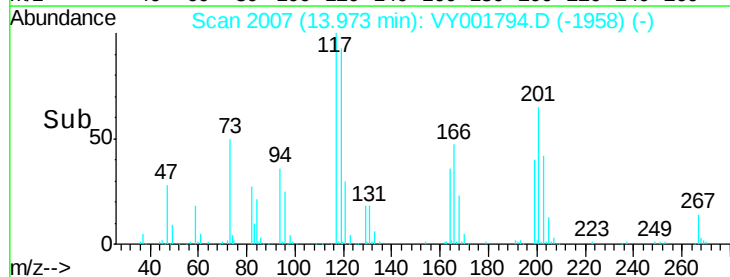
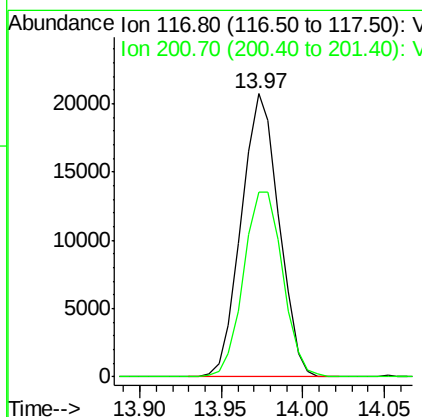
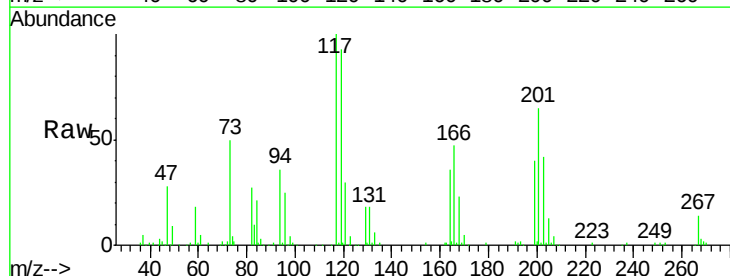
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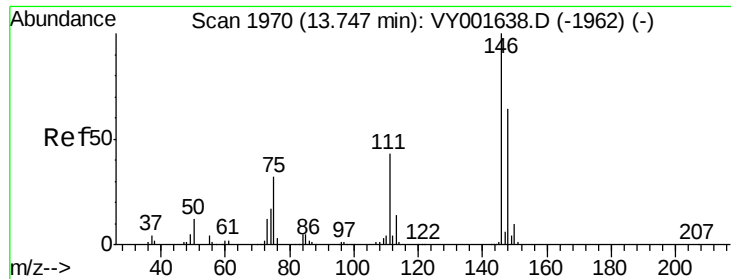
MMDadoda
3/2/2020 10:35:54 AM



#90
Hexachloroethane
Concen: 19.905 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33375		
201	68.1		32.5	97.4





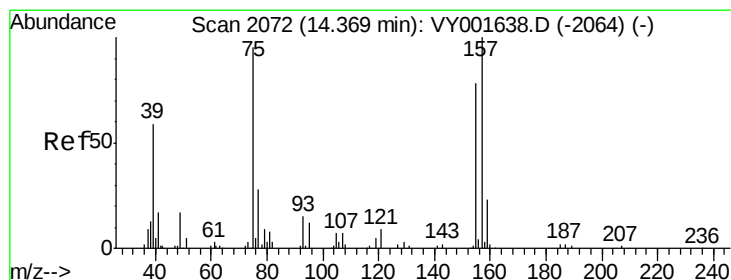
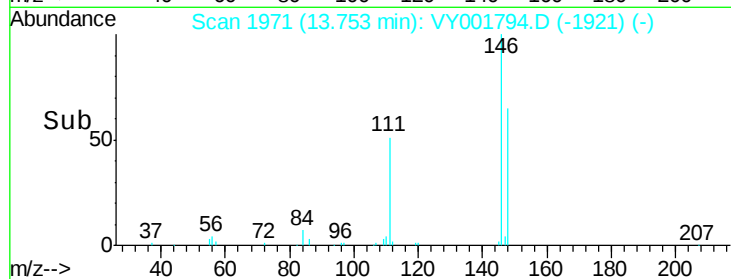
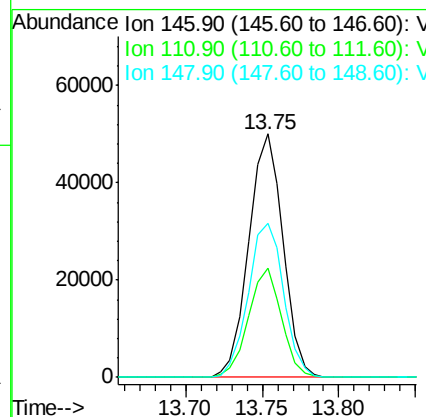
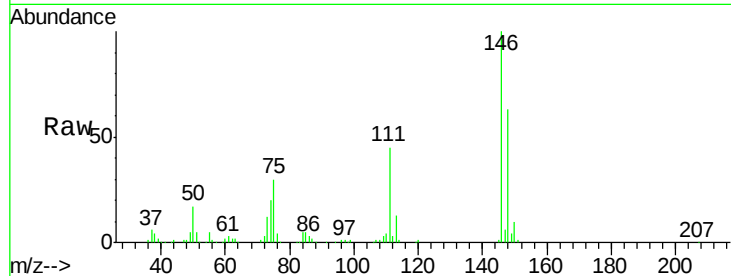
#91
 1,2-Dichlorobenzene
 Concen: 19.982 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.7
148	65.3	31.5	94.5

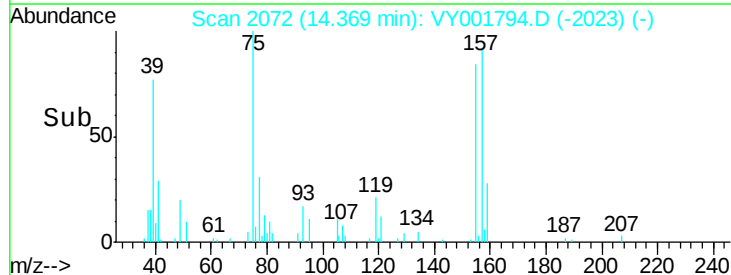
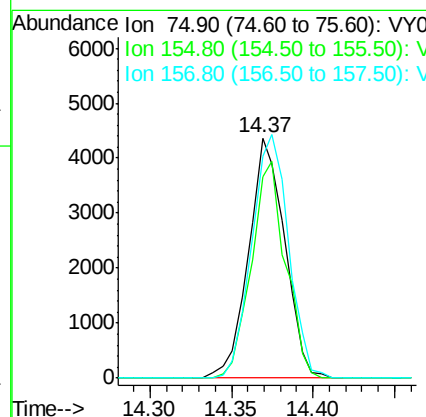
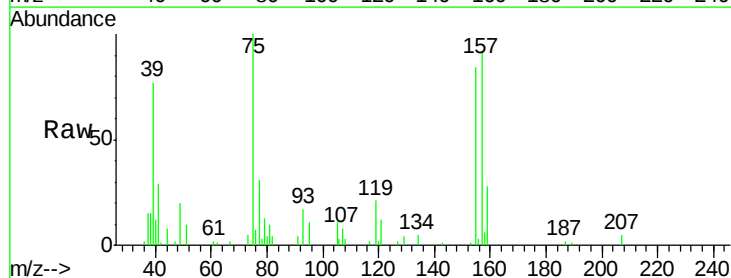
Manual Integrations
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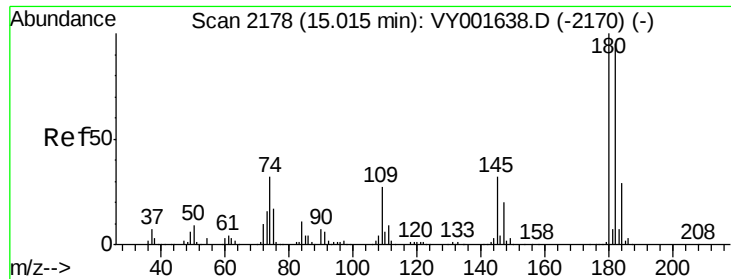
MMDadoda
 3/2/2020 10:35:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.080 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	40.8	122.4
157	103.0	52.1	156.4





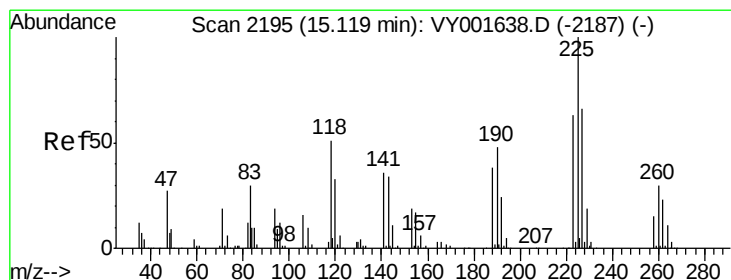
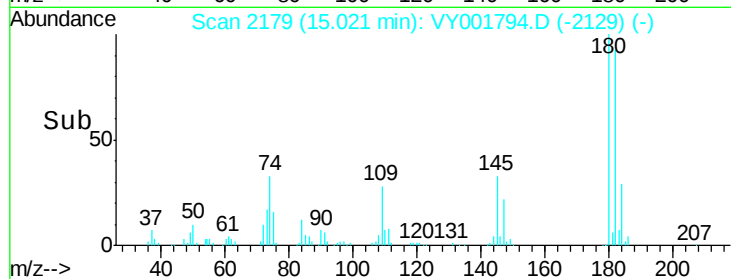
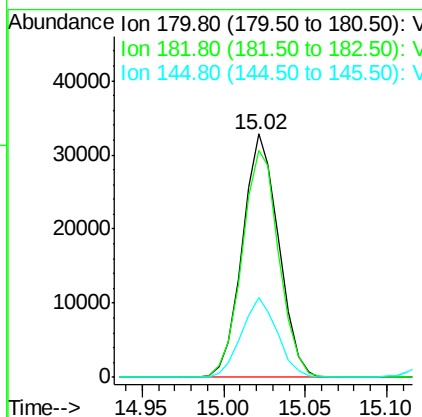
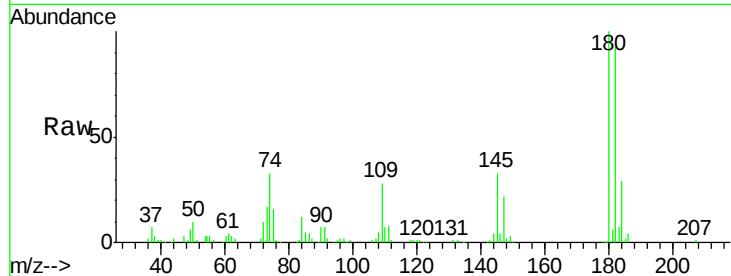
#93
 1,2,4-Trichlorobenzene
 Concen: 19.535 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50531		
182	94.7	46.8	140.3	
145	32.6	16.2	48.5	

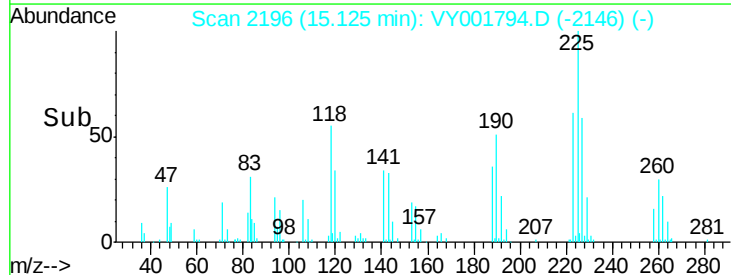
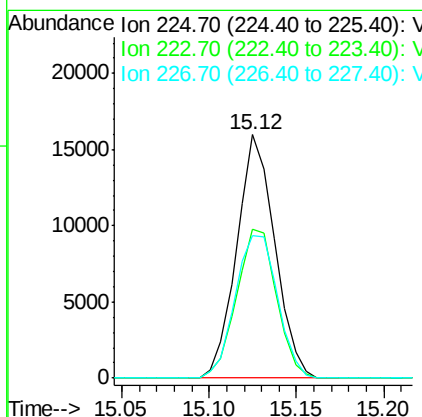
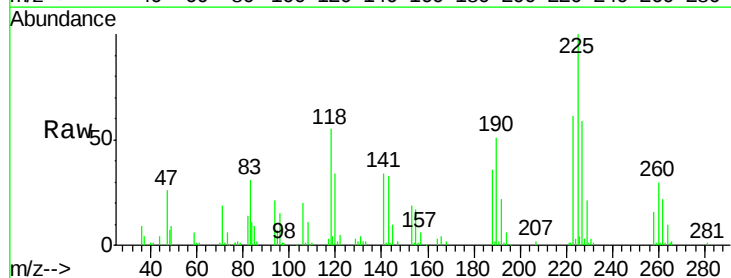
Manual Integrations
 APPROVED

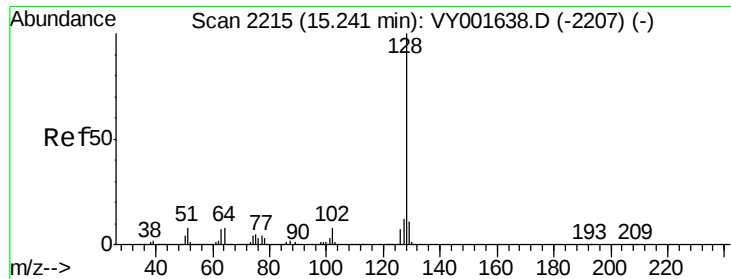
MMDadoda
 3/2/2020 10:35:54 AM



#94
 Hexachlorobutadiene
 Concen: 18.817 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001794.D
 Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24207		
223	64.1	31.4	94.0	
227	65.5	31.6	94.8	





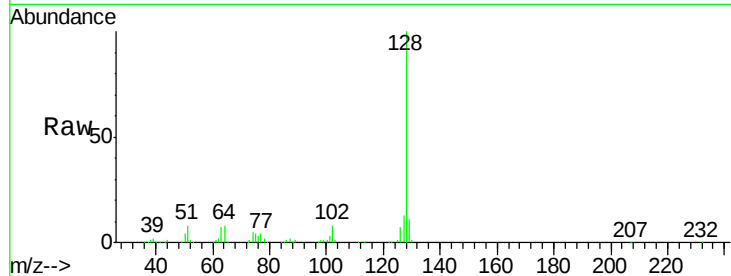
#95
Naphthalene
Concen: 19.407 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

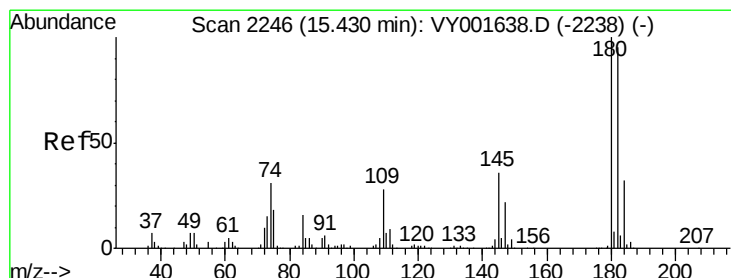
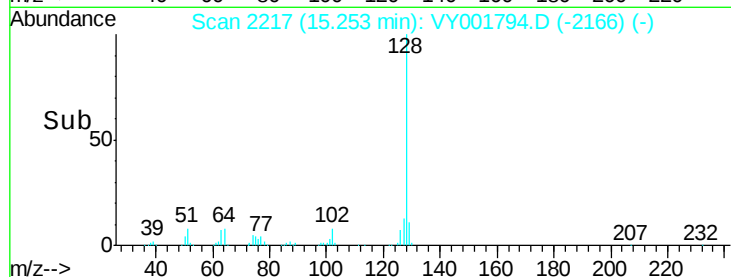
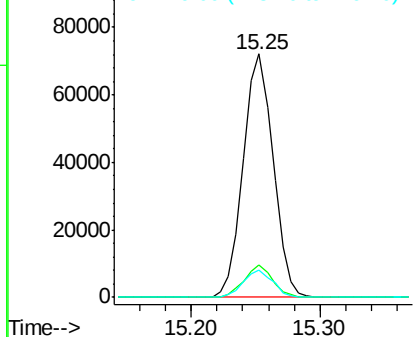
Tot Ion	Ratio	Resp	Lower	Upper
128	100	115749		
127	12.6		9.9	14.9
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:54 AM

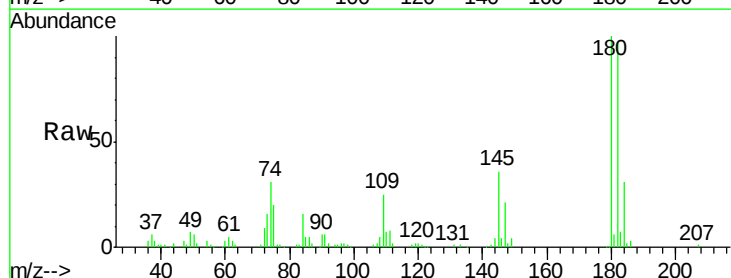


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.647 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001794.D
Acq: 28 Feb 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44711		
182	95.5		47.2	141.6
145	33.7		17.3	52.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

