

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003559.D
 Acq On : 20 Nov 2020 10:57
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 11/23/2020 1:39:24 PM

Quant Time: Nov 21 00:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	153747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	226769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	205239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100079	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.14	65	33023	20.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.38%#	
35) Dibromofluoromethane		7.72	113	31165	20.91	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.82%#	
50) Toluene-d8		10.18	98	123019	21.22	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	42.44%#	
62) 4-Bromofluorobenzene		12.48	95	37924	20.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	41.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	8697	19.194	ug/l	94
3) Chloromethane	2.12	50	20523	19.242	ug/l	96
4) Vinyl Chloride	2.26	62	27714	20.086	ug/l	99
5) Bromomethane	2.66	94	23911	20.717	ug/l	95
6) Chloroethane	2.80	64	18920	19.553	ug/l	89
7) Trichlorofluoromethane	3.13	101	24300	19.965	ug/l	92
8) Diethyl Ether	3.53	74	18403	20.845	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	29261	20.944	ug/l	95
10) Methyl Iodide	4.10	142	47958	19.894	ug/l	99
11) Tert butyl alcohol	5.02	59	10717	70.467	ug/l #	100
12) 1,1-Dichloroethene	3.88	96	30232	19.971	ug/l	98
13) Acrolein	3.74	56	15536	101.998	ug/l	97
14) Allyl chloride	4.49	41	50840	20.034	ug/l	98
15) Acrylonitrile	5.18	53	40719	98.034	ug/l	99
16) Acetone	3.97	43	46951	88.084	ug/l	95
17) Carbon Disulfide	4.20	76	88025	20.200	ug/l	97
18) Methyl Acetate	4.49	43	21941	18.922	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	46636	20.756	ug/l	99
20) Methylene Chloride	4.72	84	40282	19.899	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	34112	20.154	ug/l	97
22) Diisopropyl ether	6.13	45	87091	20.022	ug/l	99
23) Vinyl Acetate	6.07	43	344136	101.783	ug/l	99
24) 1,1-Dichloroethane	6.03	63	59155	20.432	ug/l	100
25) 2-Butanone	7.00	43	64156	92.758	ug/l	99
26) 2,2-Dichloropropane	6.99	77	37671	19.897	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	37509	20.441	ug/l	98
28) Bromochloromethane	7.34	49	28970	20.441	ug/l	99
29) Tetrahydrofuran	7.36	42	36117	99.678	ug/l	98
30) Chloroform	7.52	83	58841	20.366	ug/l	99
31) Cyclohexane	7.79	56	45739	19.819	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	44095	19.750	ug/l	99
36) 1,1-Dichloropropene	7.92	75	45849	20.537	ug/l	98
37) Ethyl Acetate	7.08	43	26996	20.066	ug/l	97
38) Carbon Tetrachloride	7.91	117	42770	20.681	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	44690	19.698	ug/l	97
40) Benzene	8.16	78	134616	20.341	ug/l	100
41) Methacrylonitrile	7.32	41	17852	26.987	ug/l	88
42) 1,2-Dichloroethane	8.24	62	38117	20.246	ug/l	100
43) Isopropyl Acetate	8.28	43	49439	20.013	ug/l	97
44) Trichloroethene	8.94	130	36794	20.404	ug/l	92
45) 1,2-Dichloropropane	9.22	63	33649	20.511	ug/l	96
46) Dibromomethane	9.31	93	19196	20.547	ug/l	99
47) Bromodichloromethane	9.50	83	44248	19.940	ug/l	100
48) Methyl methacrylate	9.30	41	23323	19.723	ug/l	97
49) 1,4-Dioxane	9.32	88	4211	393.387	ug/l #	84
51) 4-Methyl-2-Pentanone	10.07	43	117560	99.295	ug/l	99
52) Toluene	10.24	92	83089	20.505	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	46530	20.034	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	53788	20.348	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	28011	21.139	ug/l	97
56) Ethyl methacrylate	10.51	69	31324	19.452	ug/l	98
57) 1,3-Dichloropropane	10.79	76	46943	20.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	87952	106.428	ug/l	98
59) 2-Hexanone	10.83	43	94154	96.470	ug/l	98
60) Dibromochloromethane	10.99	129	33614	20.980	ug/l	97
61) 1,2-Dibromoethane	11.08	107	25791	20.197	ug/l	98
64) Tetrachloroethene	10.72	164	30666	20.003	ug/l	92
65) Chlorobenzene	11.52	112	89750	20.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	25872	20.305	ug/l	99
67) Ethyl Benzene	11.59	91	147147	20.223	ug/l	97
68) m/p-Xylenes	11.70	106	113686	40.804	ug/l	99
69) o-Xylene	12.03	106	45632	20.475	ug/l	98
70) Styrene	12.04	104	90907	20.238	ug/l	99
71) Bromoform	12.20	173	20483	19.907	ug/l #	99
73) Isopropylbenzene	12.33	105	98290	19.717	ug/l	100
74) N-amyl acetate	12.14	43	38968	19.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	28410	20.480	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	18356m	17.989	ug/l	
77) Bromobenzene	12.61	156	37625	20.514	ug/l	98
78) n-propylbenzene	12.67	91	141344	20.182	ug/l	100
79) 2-Chlorotoluene	12.75	91	81383	20.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	76573	20.437	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	12226	20.032	ug/l	98
82) 4-Chlorotoluene	12.85	91	100072	20.205	ug/l	99
83) tert-Butylbenzene	13.07	119	74842	19.734	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	81676	20.473	ug/l	100
85) sec-Butylbenzene	13.25	105	87531	20.390	ug/l	100
86) p-Isopropyltoluene	13.36	119	78889	20.481	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	68160	20.415	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	68626	20.058	ug/l	97
89) n-Butylbenzene	13.69	91	81660	19.813	ug/l	99
90) Hexachloroethane	13.95	117	21236	20.850	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	53962	20.249	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3466	19.183	ug/l	98

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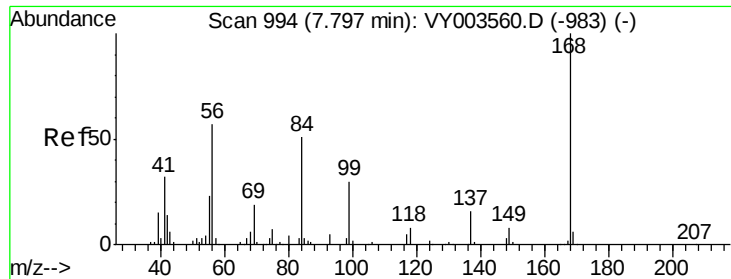
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	29362	19.646	ug/l	98
94) Hexachlorobutadiene	15.11	225	17692	20.825	ug/l	97
95) Naphthalene	15.23	128	48928	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	21677	19.731	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 153747

Ion Ratio Lower Upper

168 100

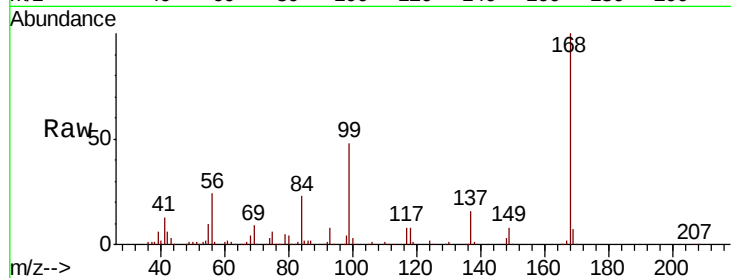
99 48.2 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003560.D (-983) (-)

7.80

60000

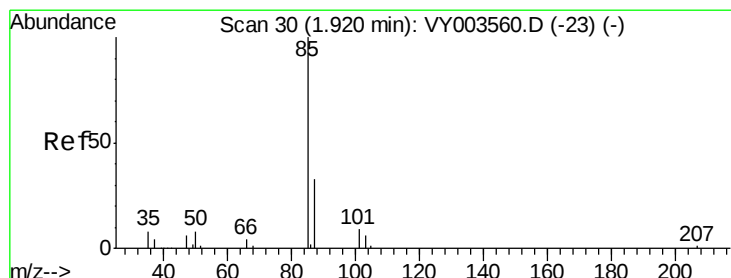
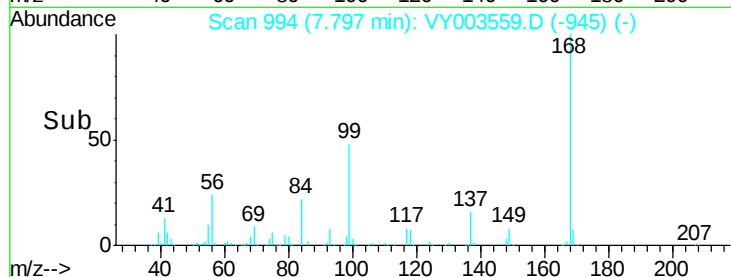
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.194 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.00 min

Lab File: VY003559.D

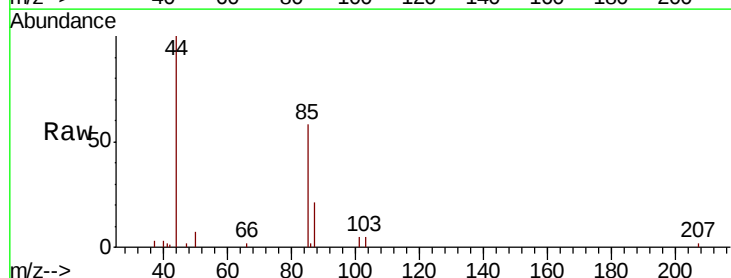
Acq: 20 Nov 2020 10:57

Tgt Ion: 85 Resp: 8697

Ion Ratio Lower Upper

85 100

87 36.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VY003560.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY003560.D (-23) (-)

1.92

3000

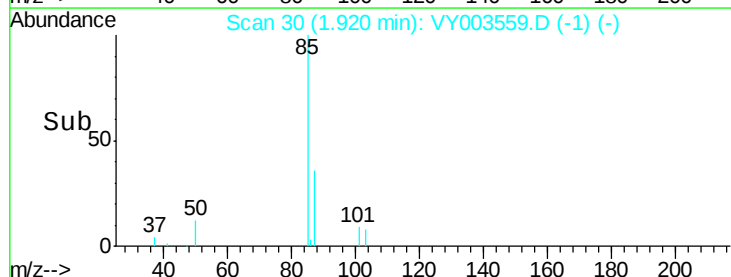
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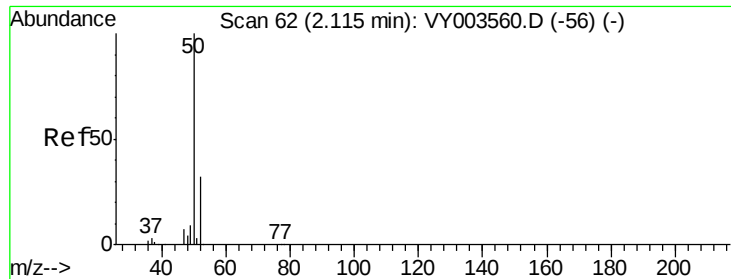
1000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.242 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 20523

Ion Ratio Lower Upper

50 100

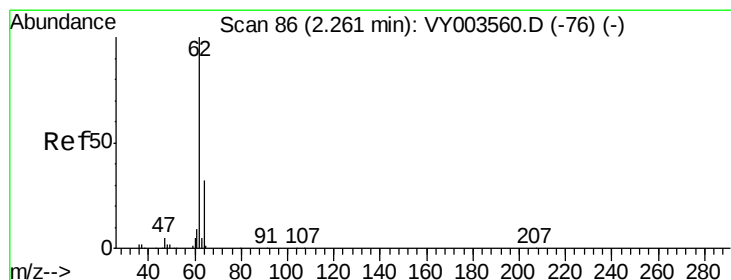
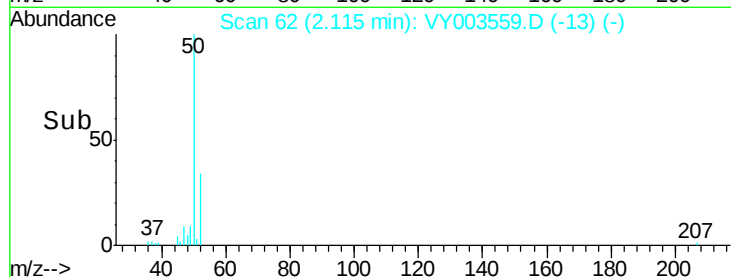
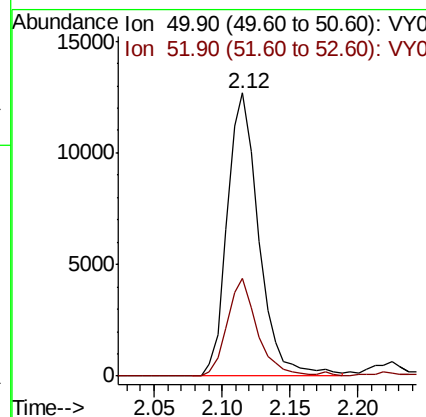
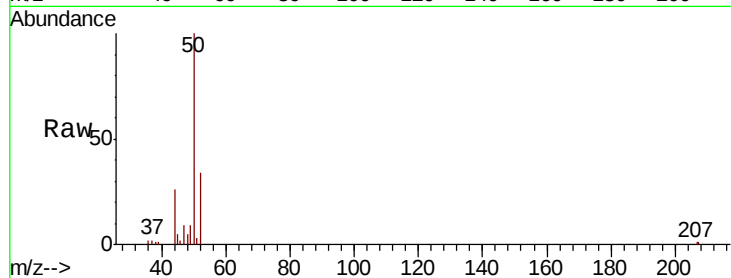
52 34.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.086 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003559.D

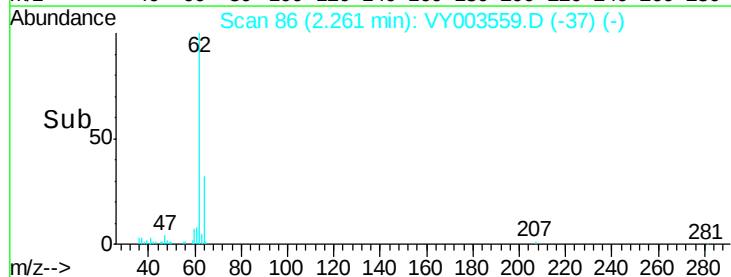
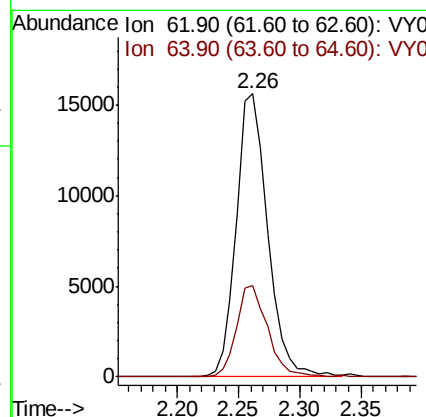
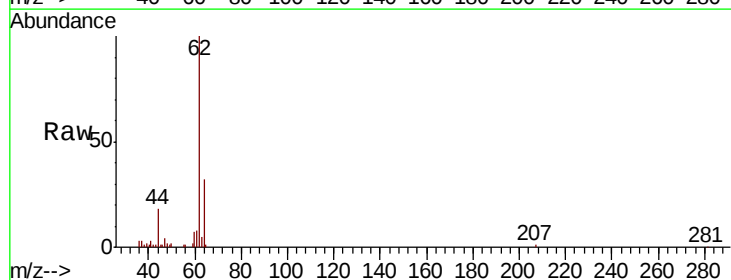
Acq: 20 Nov 2020 10:57

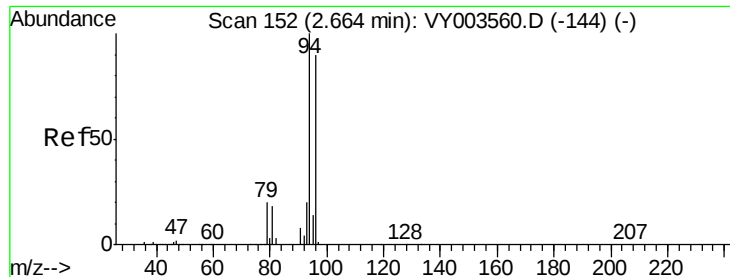
Tgt Ion: 62 Resp: 27714

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 20.717 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 23911

Ion Ratio Lower Upper

94 100

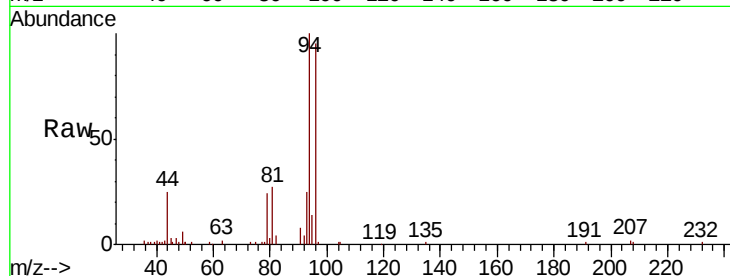
96 94.6 71.9 107.9

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

2.66

12000

10000

8000

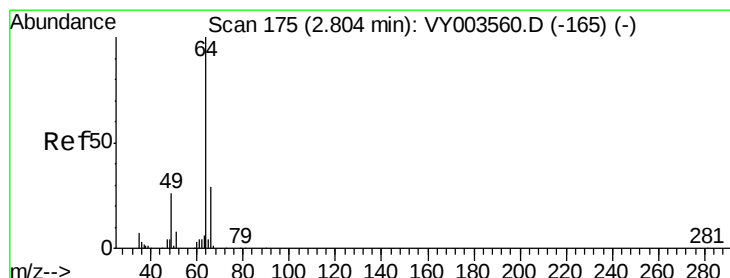
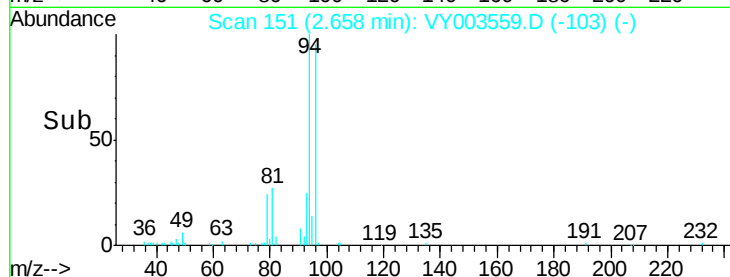
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 19.553 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY003559.D

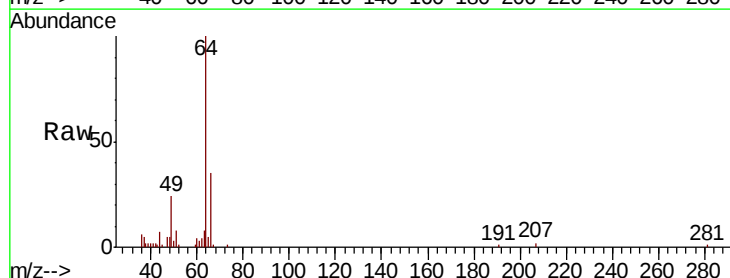
Acq: 20 Nov 2020 10:57

Tgt Ion: 64 Resp: 18920

Ion Ratio Lower Upper

64 100

66 35.3 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

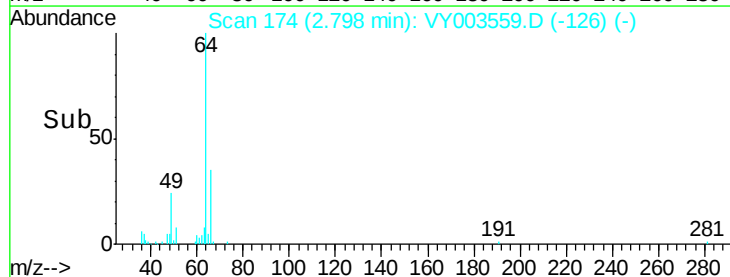
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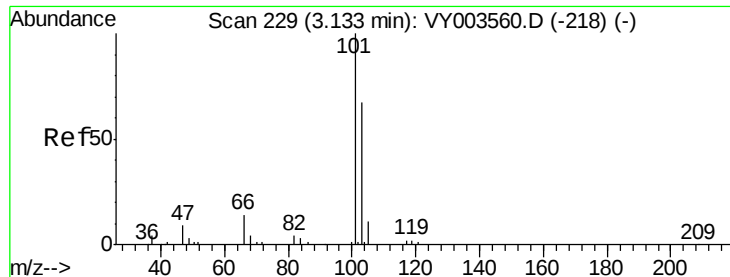
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2000

0

Time-->





#7

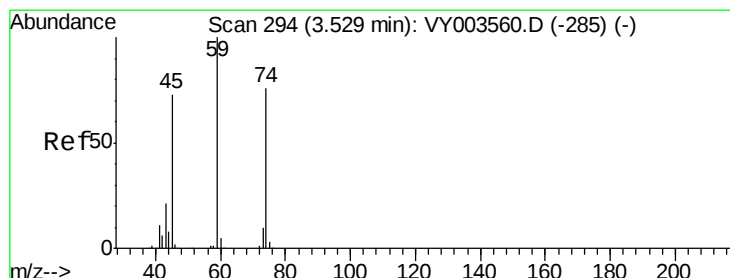
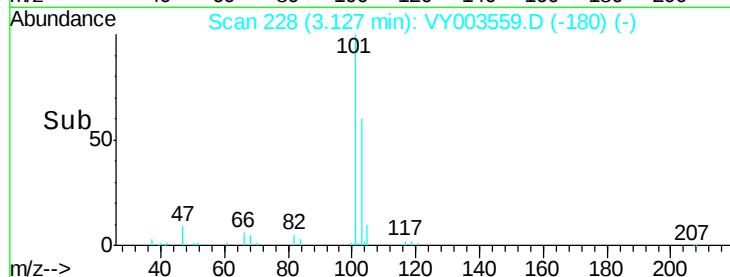
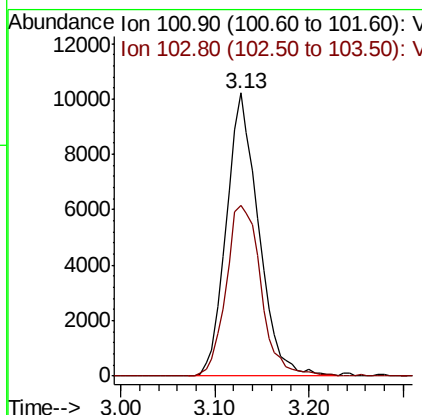
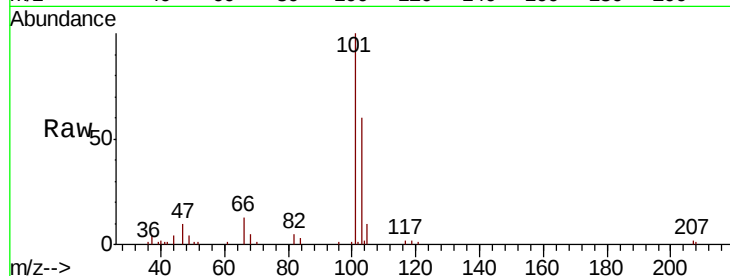
Trichlorofluoromethane
 Concen: 19.965 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	53.3	79.9

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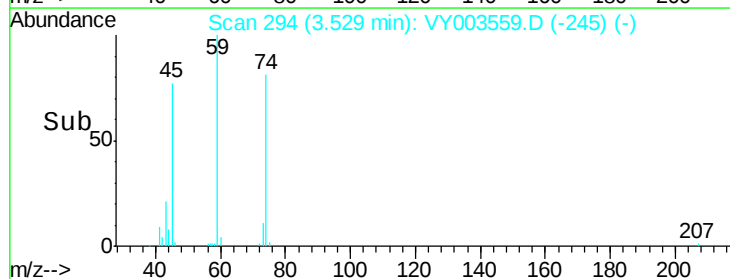
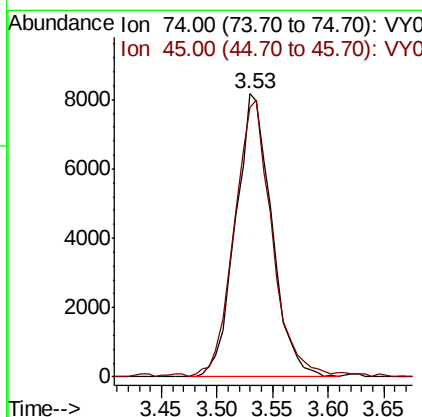
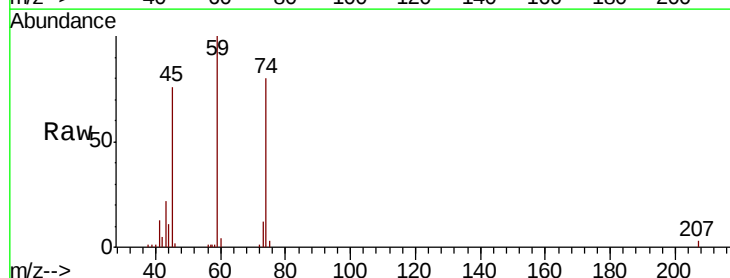
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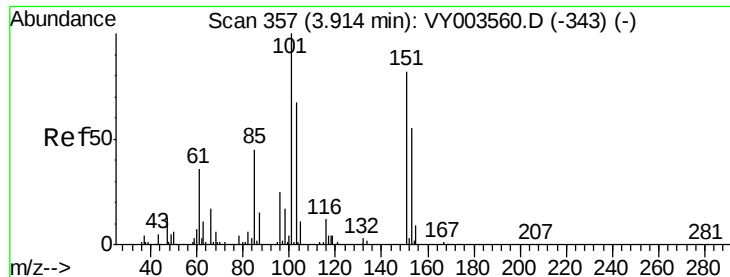


#8

Diethyl Ether
 Concen: 20.845 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.944 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

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MSVOA_Y

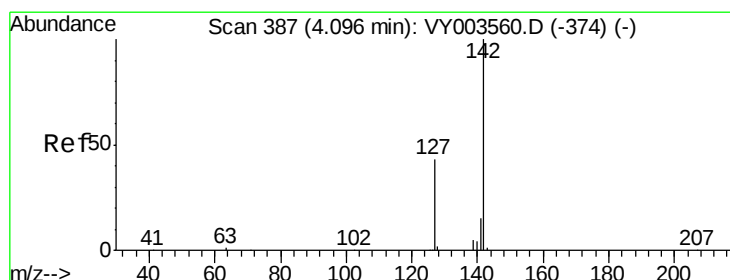
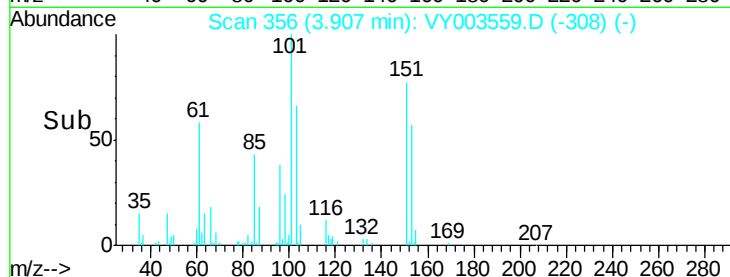
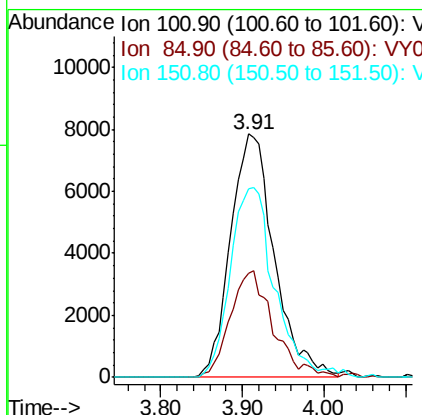
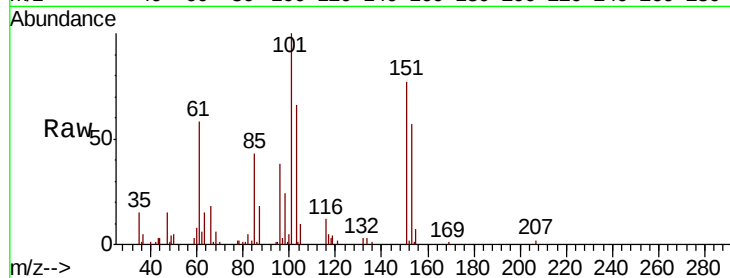
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	29261
Ion Ratio	Lower	Upper	
101	100		
85	40.9	35.9	53.9
151	77.4	65.4	98.0

Manual Integrations
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MMDadoda
11/23/2020 1:39:24 PM



#10

Methyl Iodide

Concen: 19.894 ug/l

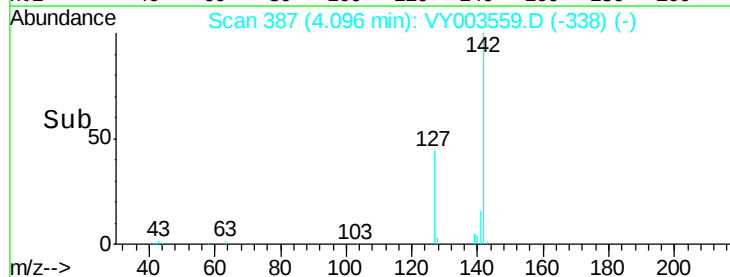
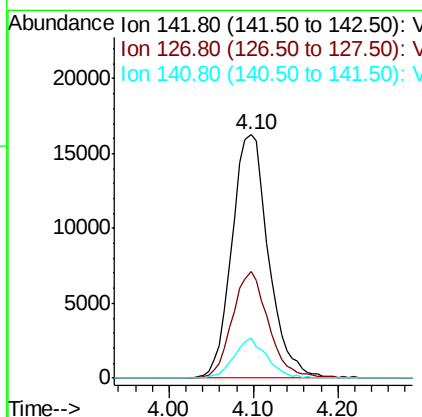
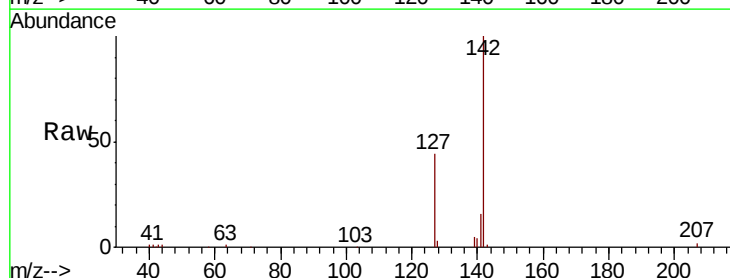
RT: 4.10 min Scan# 387

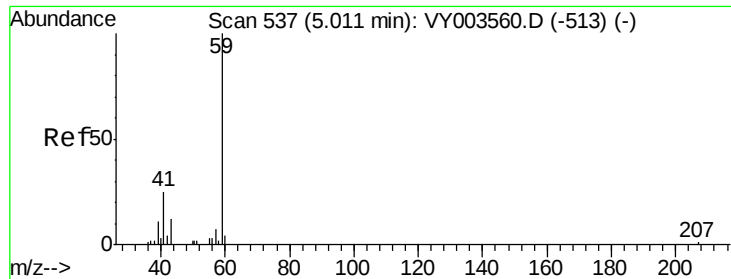
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	142	Resp:	47958
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.2	51.2
141	14.9	11.5	17.3





#11

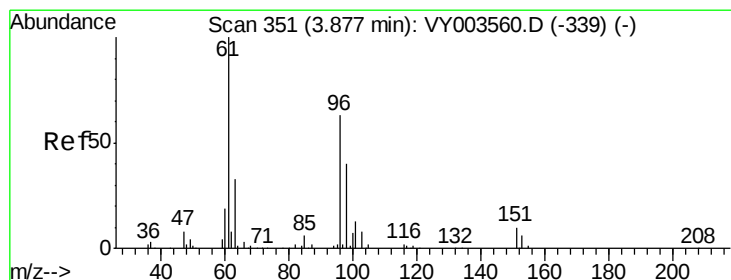
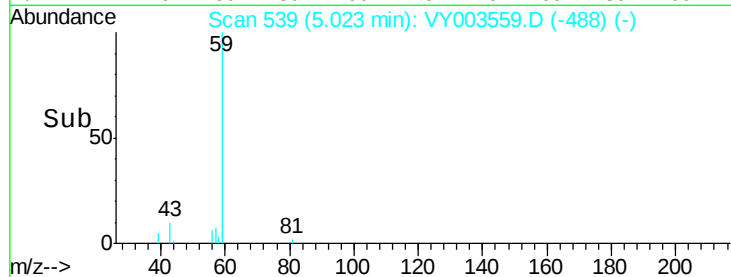
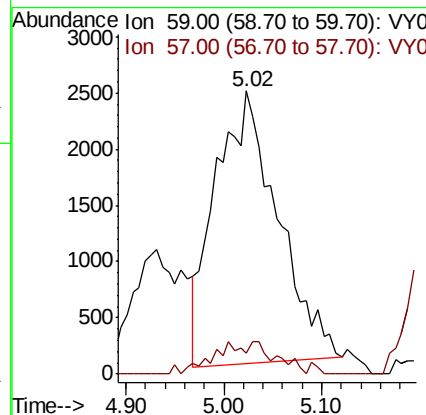
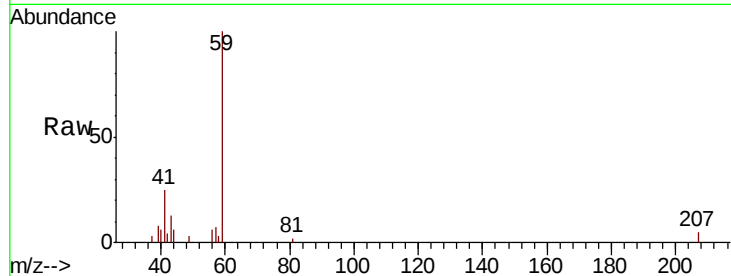
Tert butyl alcohol
Concen: 70.467 ug/l
RT: 5.02 min Scan# 539
Delta R.T. 0.01 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		10717		
57	5.1		0.0	0.0#	

Manual Integrations
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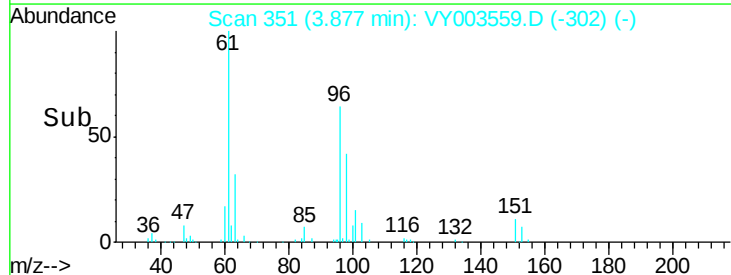
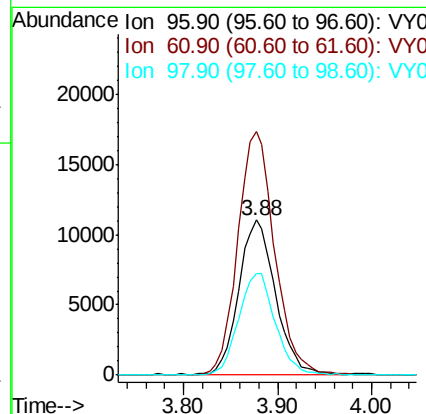
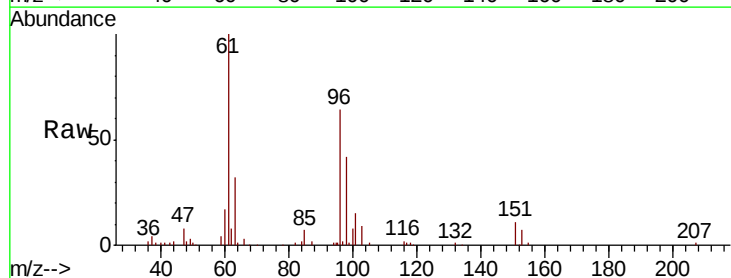
MMDadoda
11/23/2020 1:39:24 PM

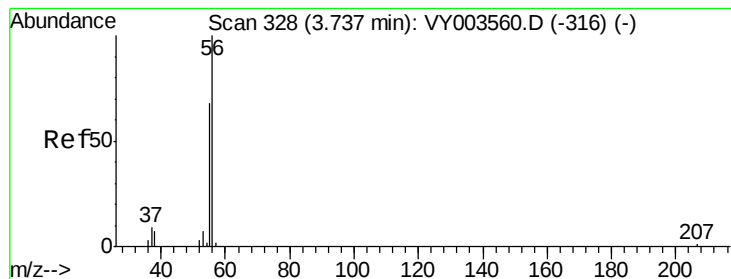


#12

1,1-Dichloroethene
Concen: 19.971 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		30232		
61	157.1		127.3	190.9	
98	65.8		50.6	76.0	





#13

Acrolein

Concen: 101.998 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 15536

Ion Ratio Lower Upper

56 100

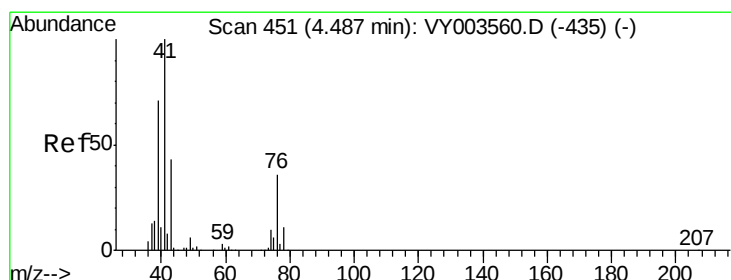
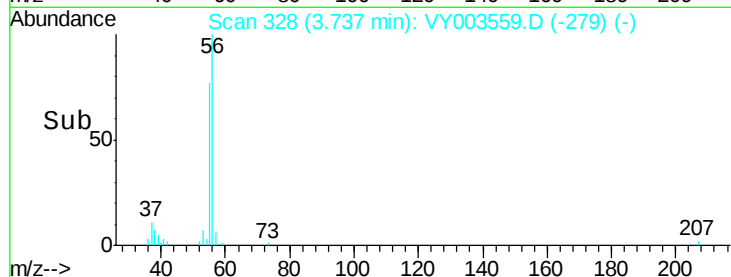
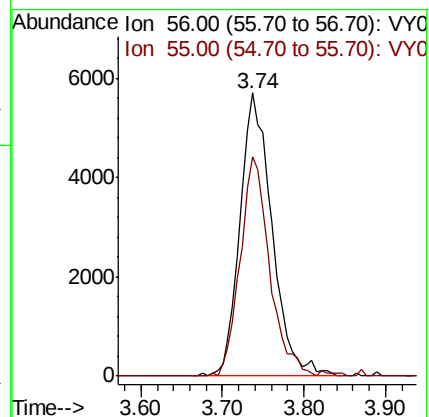
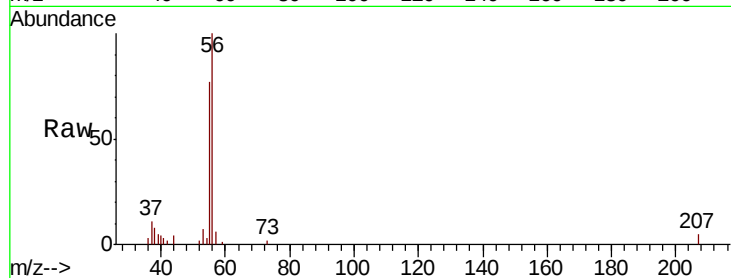
55 70.9 54.6 81.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.034 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

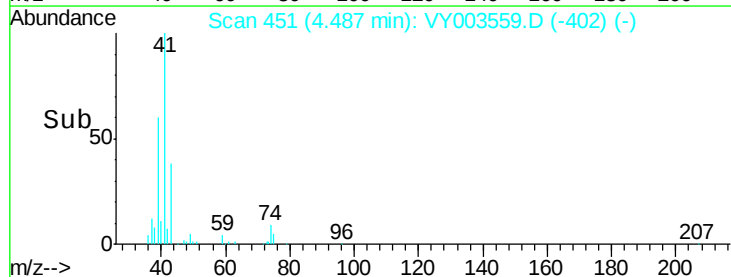
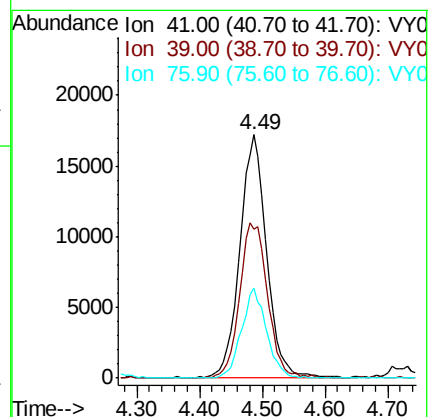
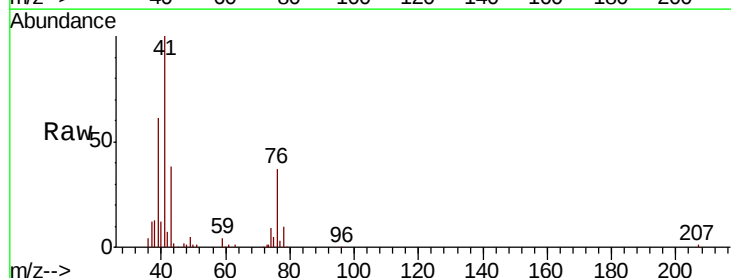
Tgt Ion: 41 Resp: 50840

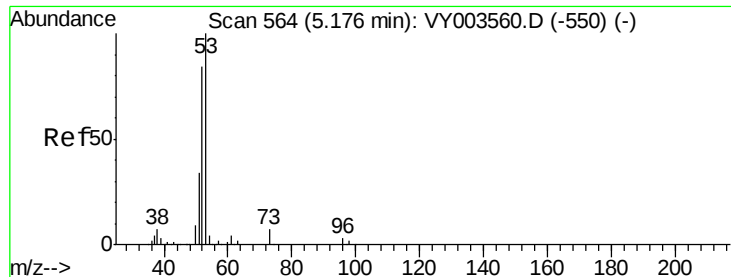
Ion Ratio Lower Upper

41 100

39 66.6 54.2 81.2

76 34.3 28.9 43.3





#15

Acrylonitrile

Concen: 98.034 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

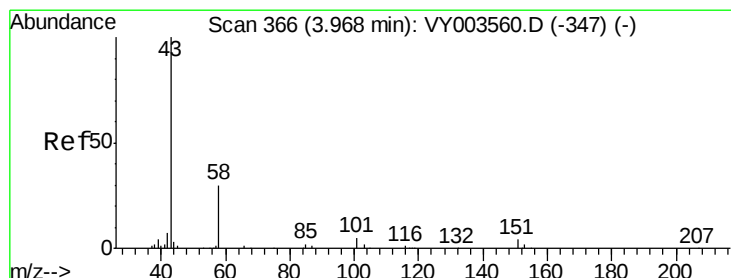
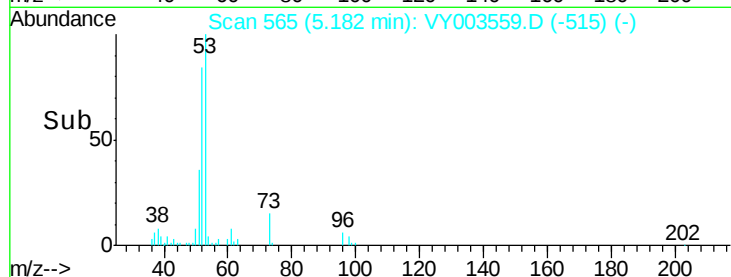
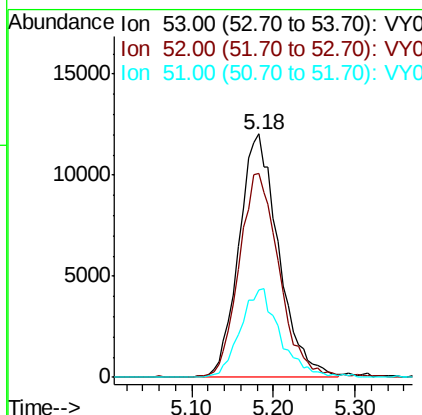
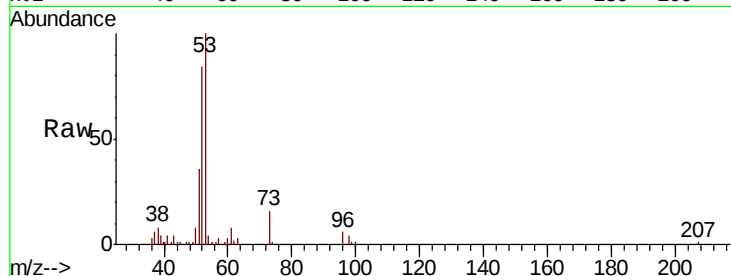
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	40719
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.4	99.6
51	36.1	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 88.084 ug/l

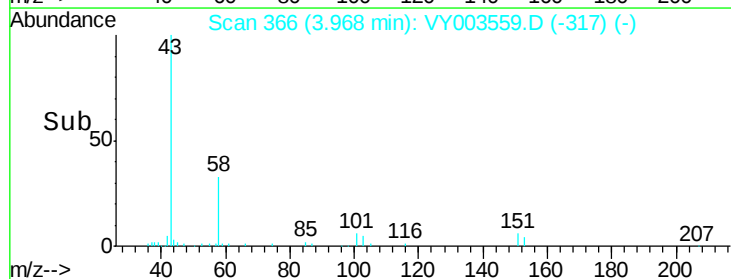
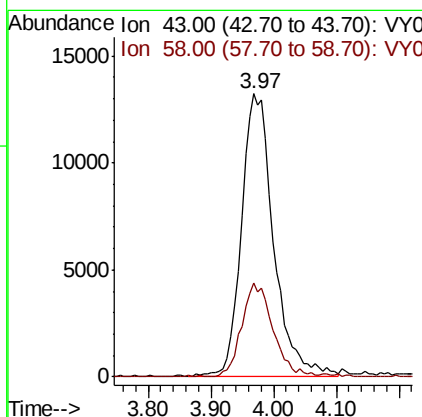
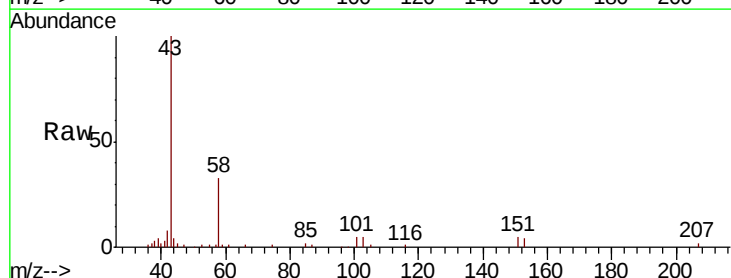
RT: 3.97 min Scan# 366

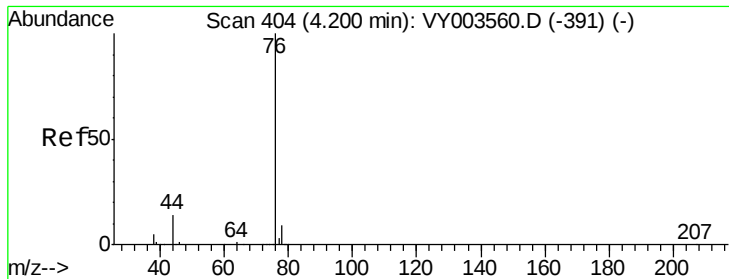
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	43	Resp:	46951
Ion	Ratio	Lower	Upper
43	100		
58	32.6	23.8	35.8





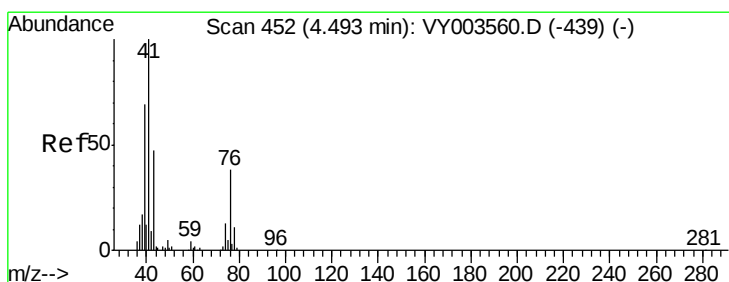
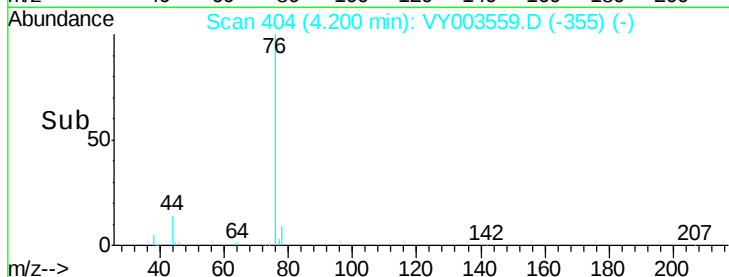
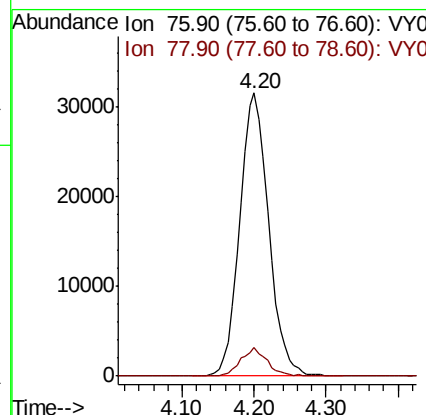
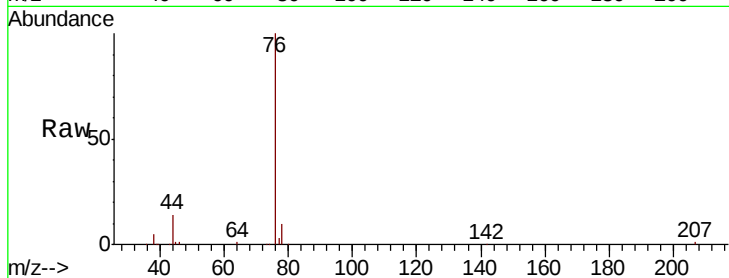
#17
Carbon Disulfide
Concen: 20.200 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.1	10.7

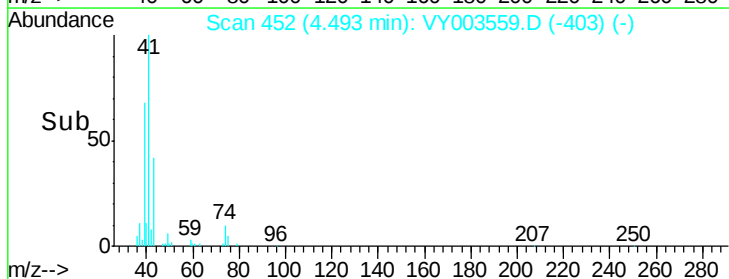
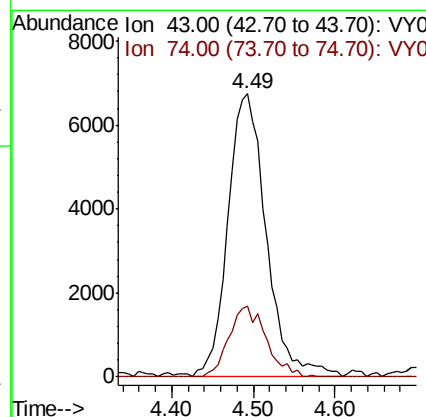
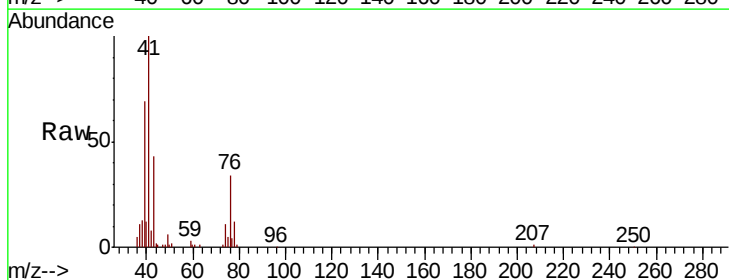
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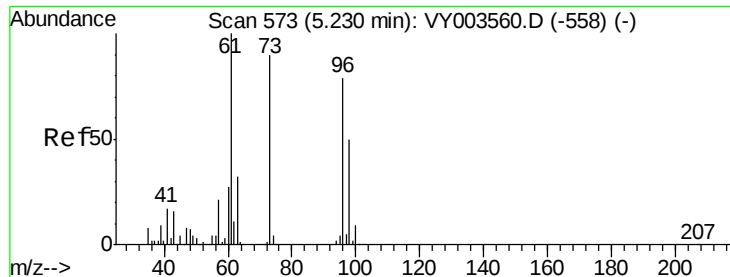
MMDadoda
11/23/2020 1:39:24 PM



#18
Methyl Acetate
Concen: 18.922 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





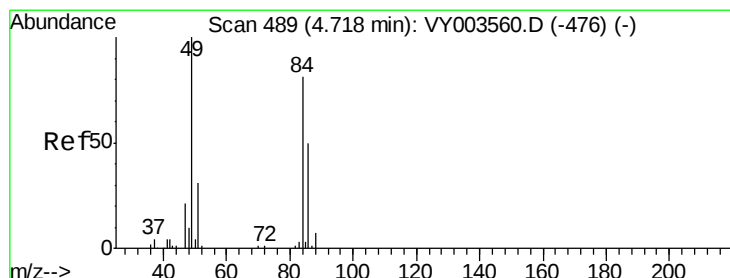
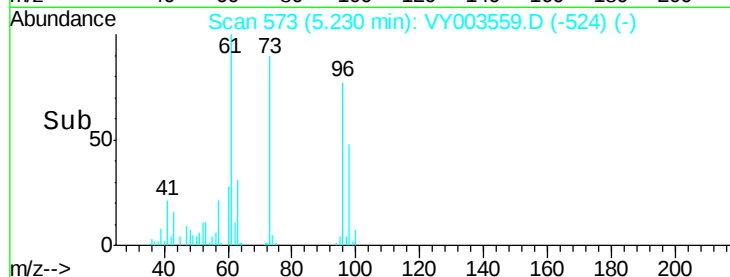
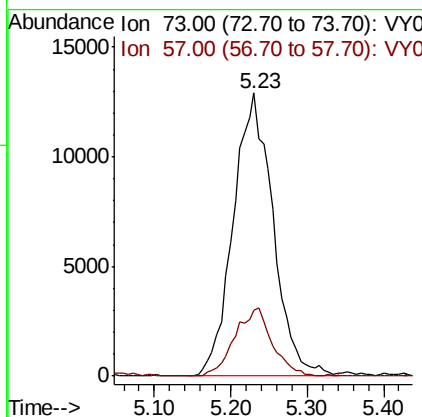
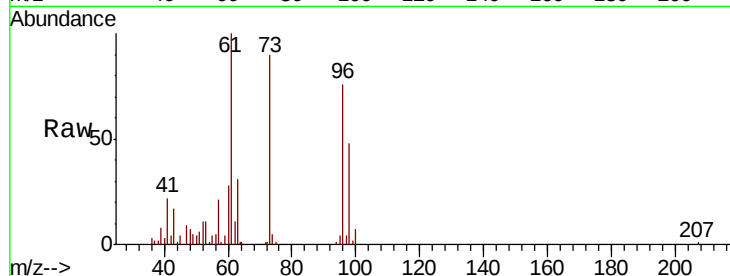
#19
Methvl tert-butvl Ether
Concen: 20.756 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 46636
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2

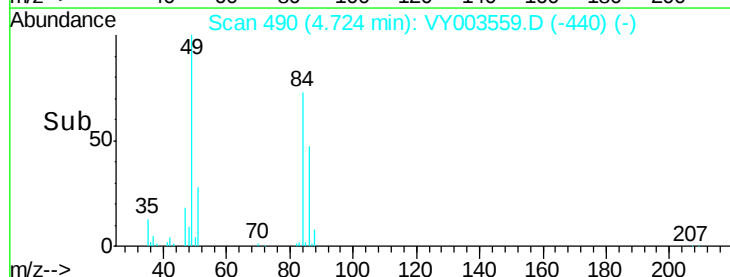
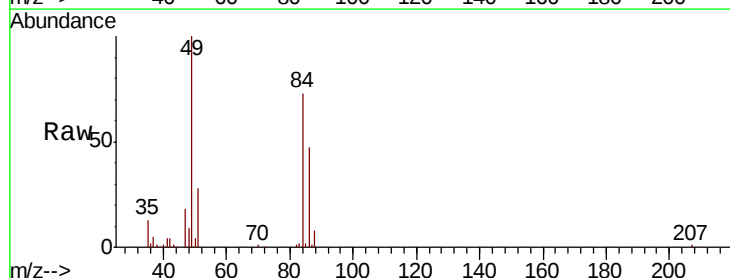
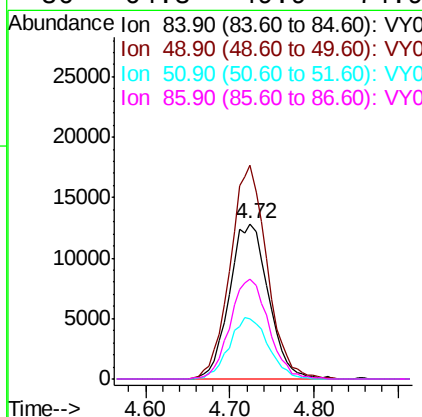
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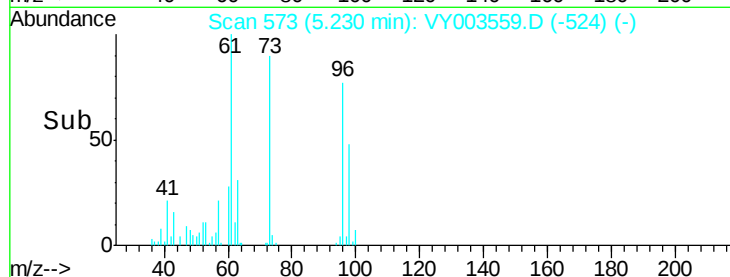
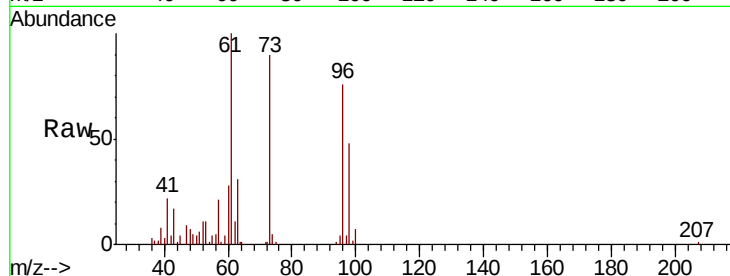
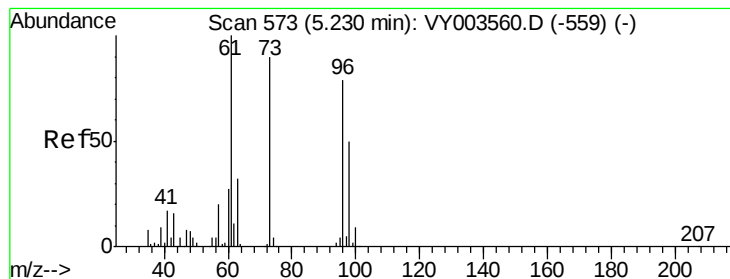
MMDadoda
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#20
Methylene Chloride
Concen: 19.899 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion: 84 Resp: 40282
Ion Ratio Lower Upper
84 100
49 137.5 99.0 148.6
51 38.4 30.5 45.7
86 64.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.154 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tot Ion:	96	Resp:	34112
Ion	Ratio	Lower	Upper
96	100		
61	130.7	101.0	151.4
98	62.5	50.2	75.2

Instrument :

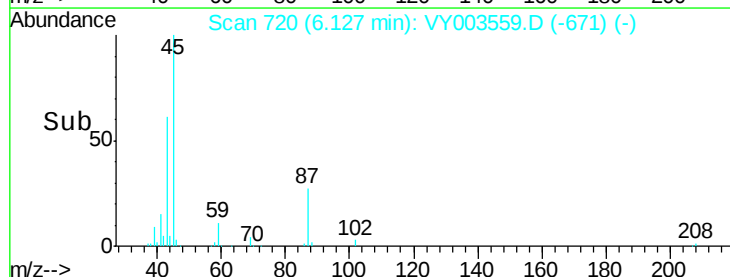
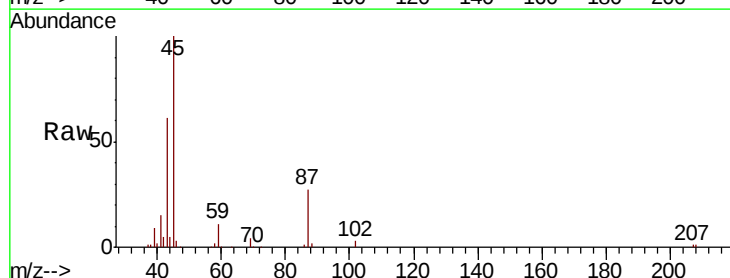
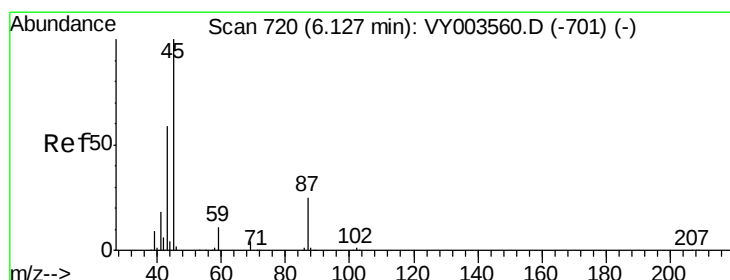
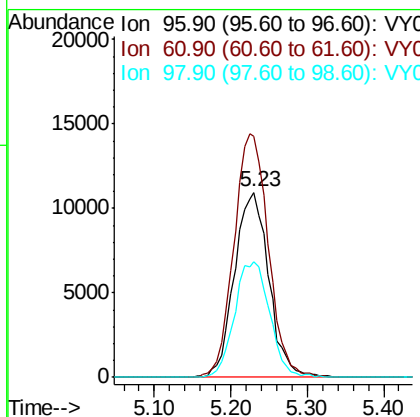
MSVOA_Y

ClientSampleId :

VSTDIC020

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.022 ug/l

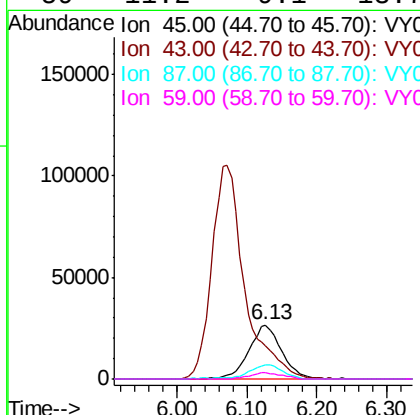
RT: 6.13 min Scan# 720

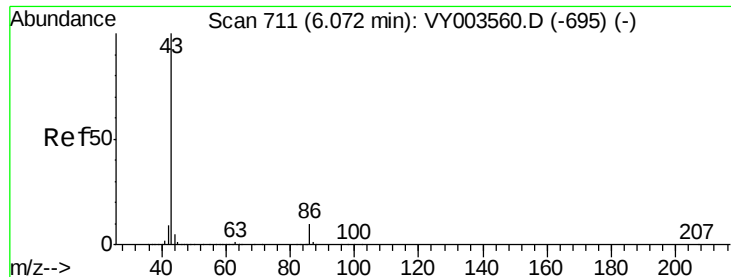
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	45	Resp:	87091
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.1	72.1
87	26.0	20.3	30.5
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 101.783 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 344136

Ion Ratio Lower Upper

43 100

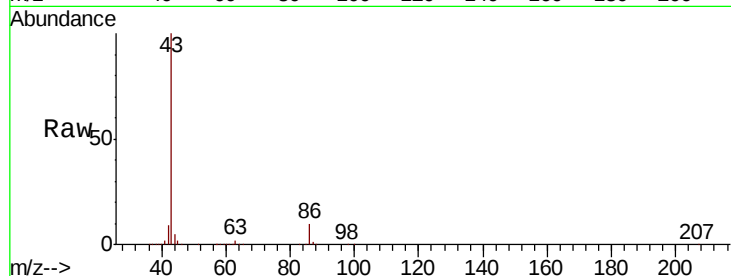
86 10.4 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

120000

100000

80000

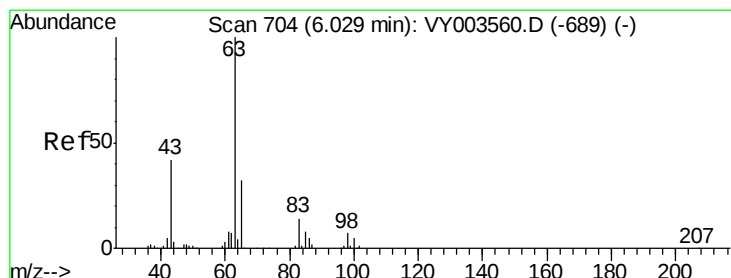
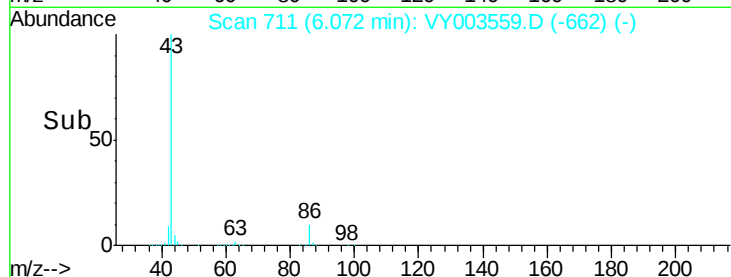
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.432 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

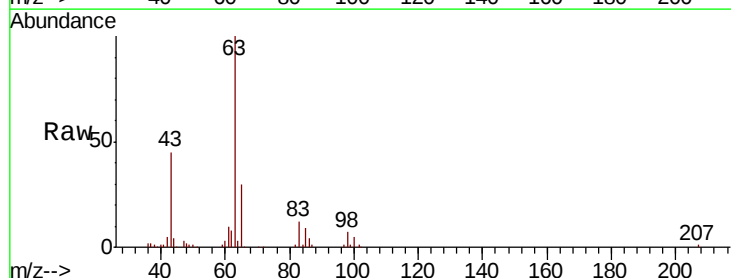
Tgt Ion: 63 Resp: 59155

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

25000

20000

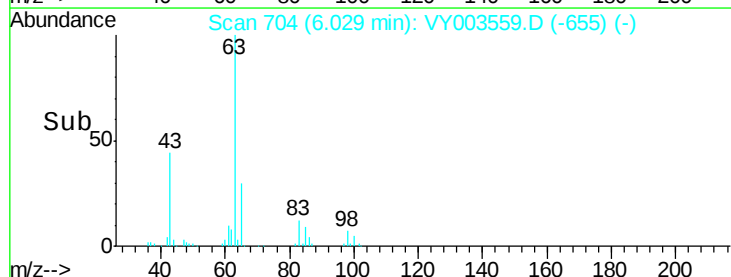
15000

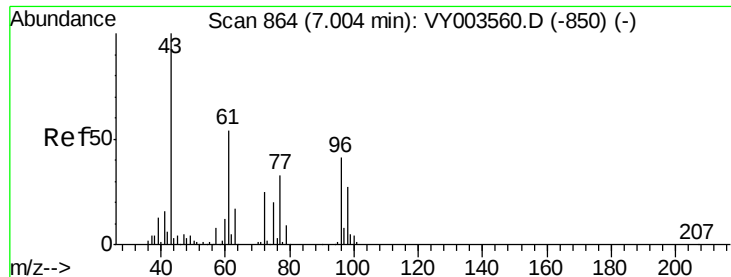
10000

5000

0

Time-->





#25

2-Butanone

Concen: 92.758 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 64156

Ion Ratio Lower Upper

43 100

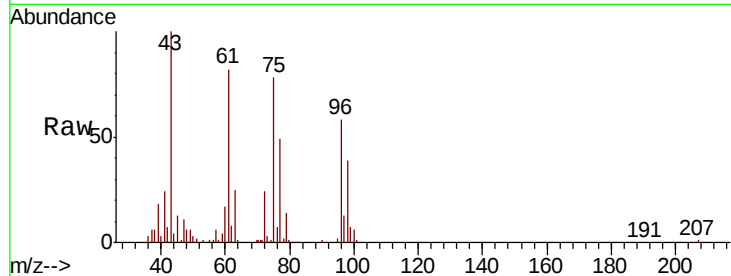
72 24.1 19.8 29.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

25000

20000

15000

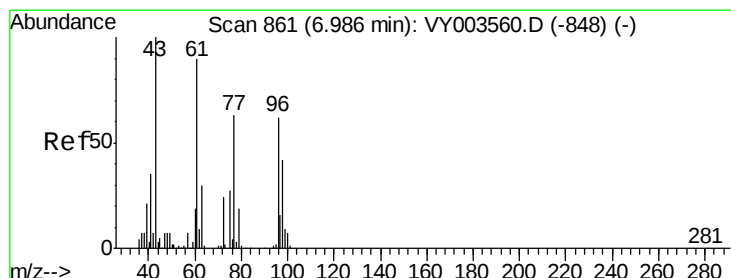
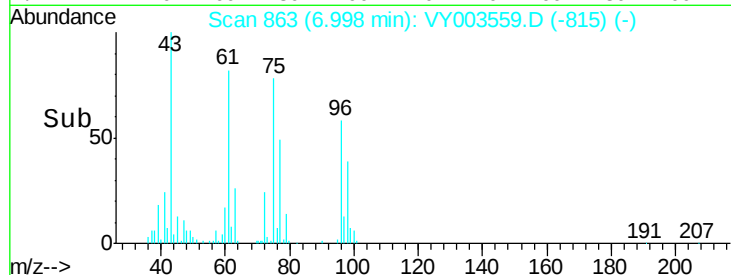
10000

5000

0

Time-->

6.90 6.95 7.00 7.05



#26

2,2-Dichloropropane

Concen: 19.897 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY003559.D

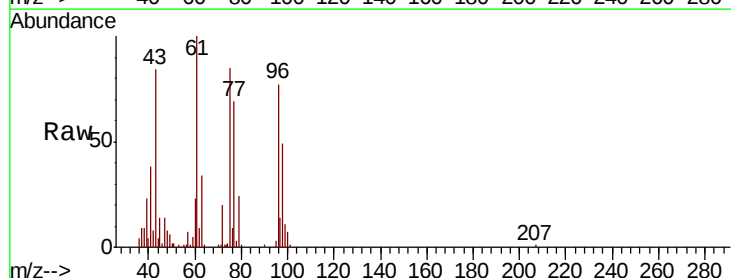
Acq: 20 Nov 2020 10:57

Tgt Ion: 77 Resp: 37671

Ion Ratio Lower Upper

77 100

97 23.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

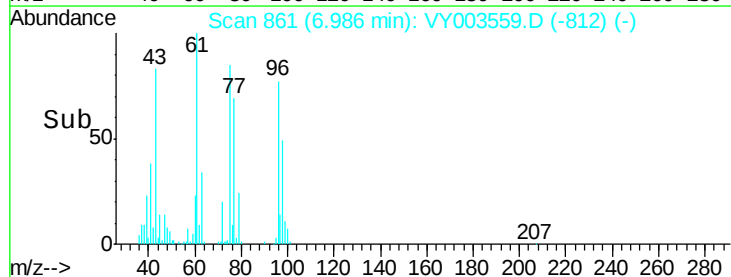
10000

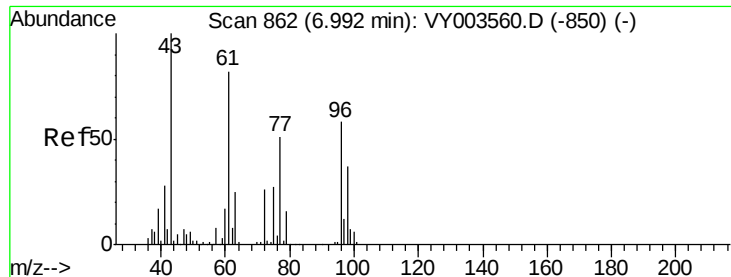
5000

0

Time-->

6.90 7.00 7.10





#27

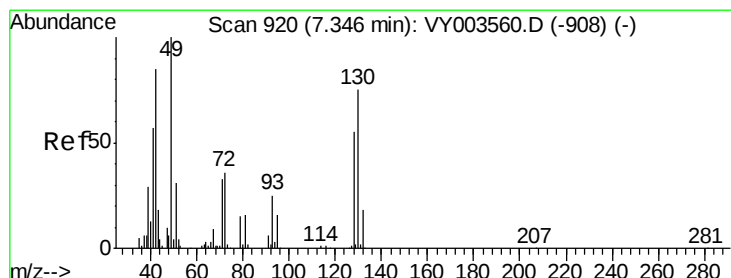
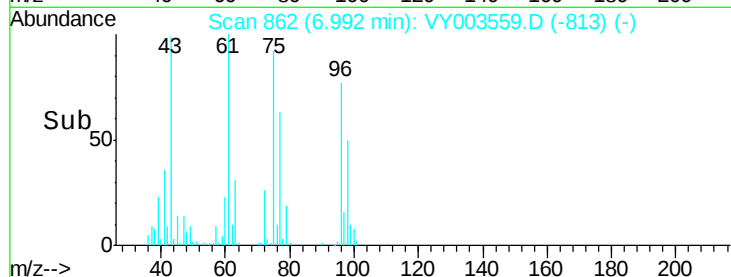
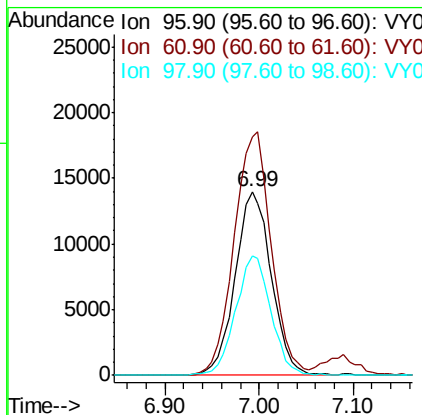
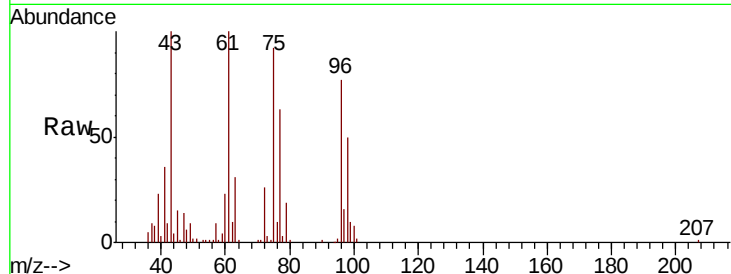
cis-1,2-Dichloroethene
Concen: 20.441 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	274.6
98	63.3	0.0	130.6

Manual Integrations
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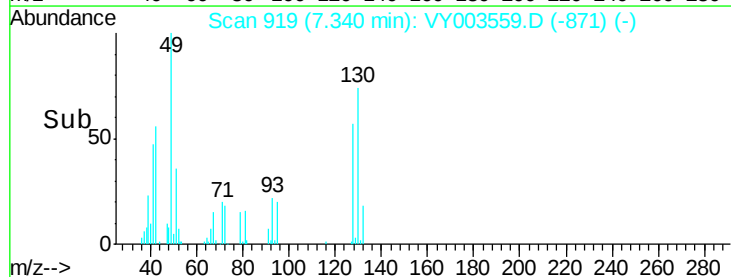
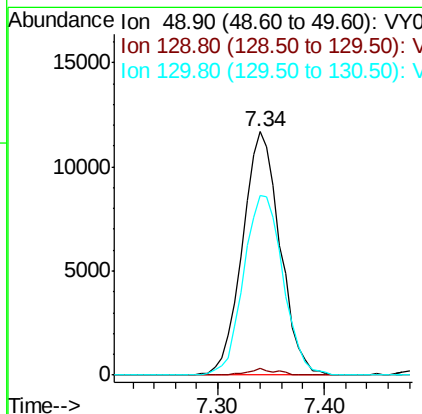
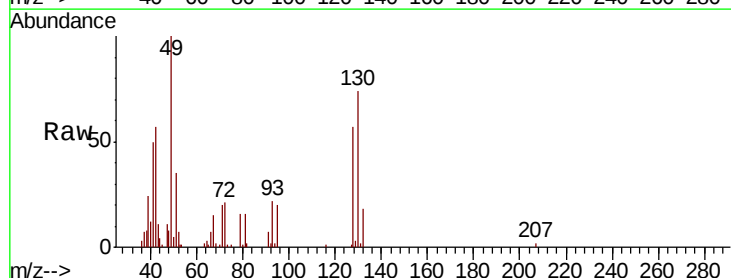
MMDadoda
11/23/2020 1:39:24 PM

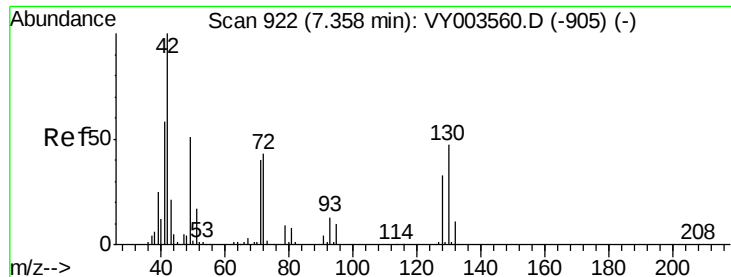


#28

Bromochloromethane
Concen: 20.441 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	77.5	61.0	91.6





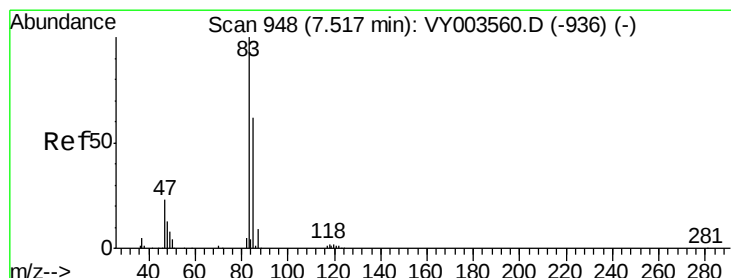
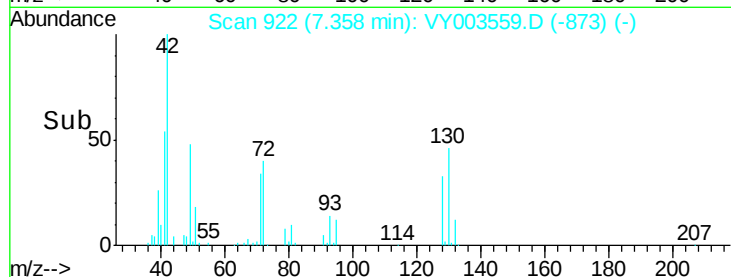
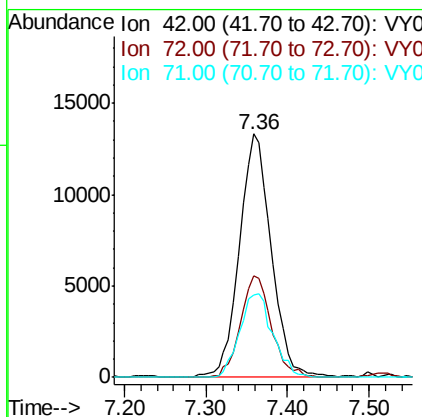
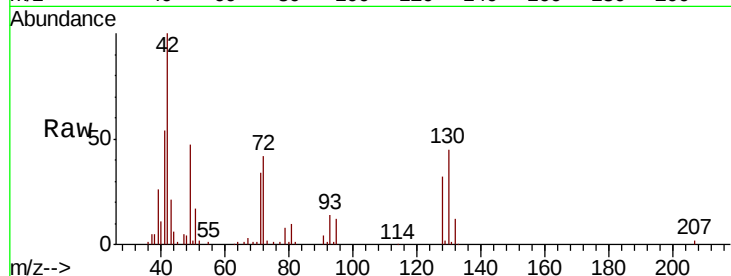
#29
Tetrahydrofuran
Concen: 99.678 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.6	49.0
71	35.7	30.2	45.2

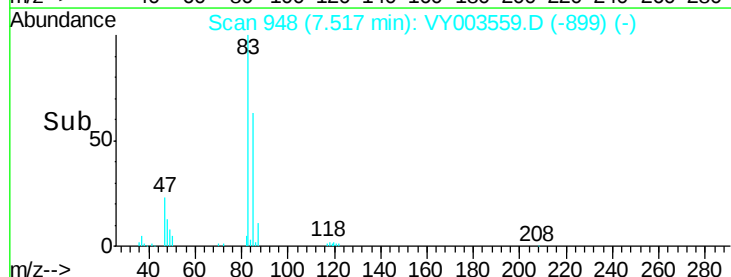
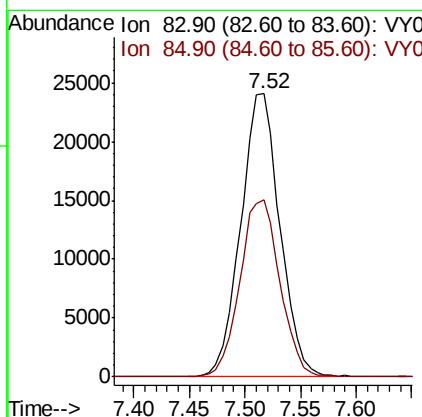
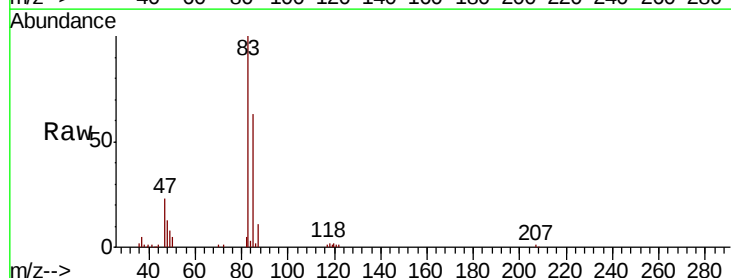
Manual Integrations
APPROVED

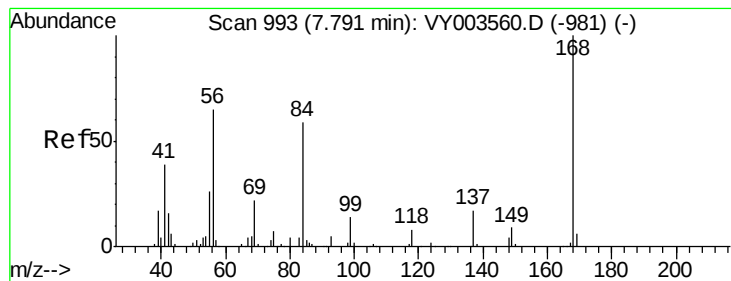
MMDadoda
11/23/2020 1:39:24 PM



#30
Chloroform
Concen: 20.366 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.6	74.4





#31

Cyclohexane

Concen: 19.819 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 45739

Ion Ratio Lower Upper

56 100

69 38.7 27.0 40.6

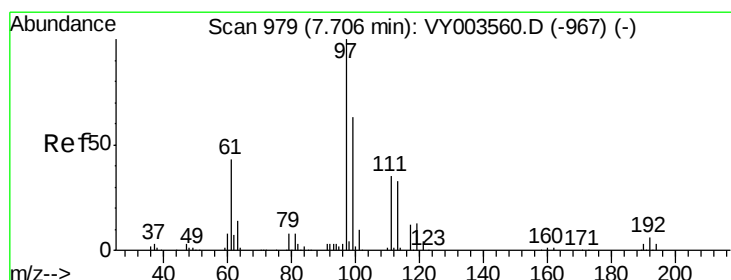
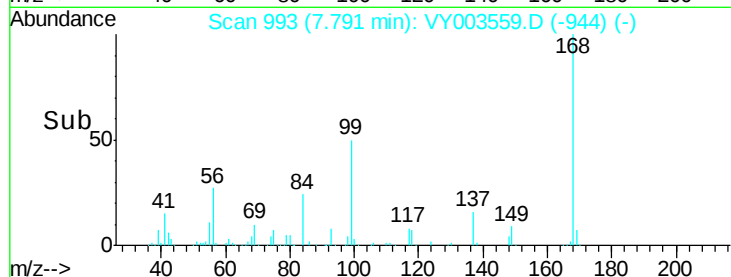
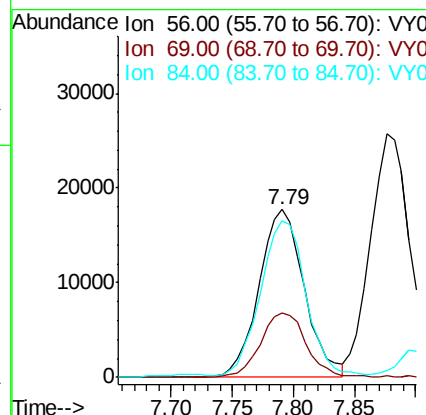
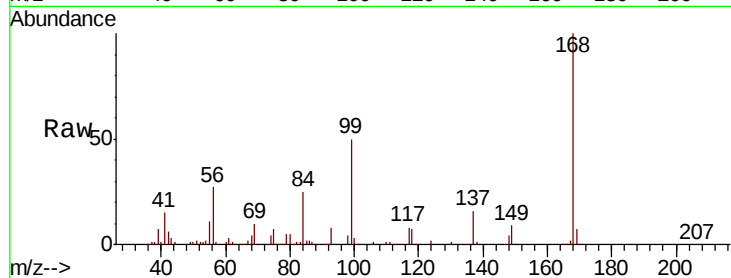
84 91.3 71.8 107.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.750 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

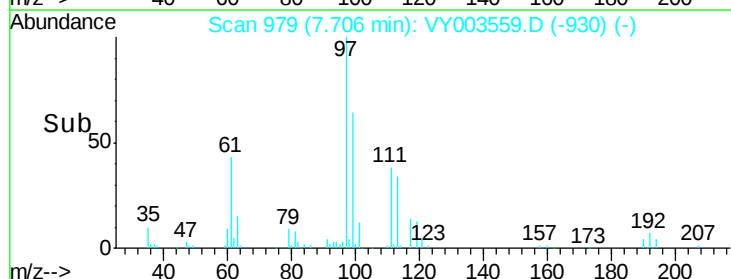
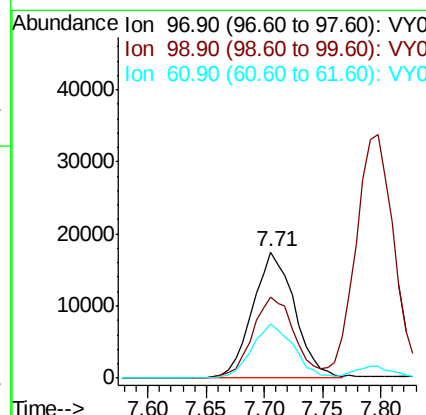
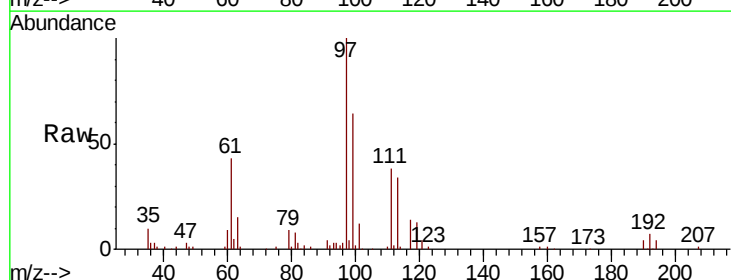
Tgt Ion: 97 Resp: 44095

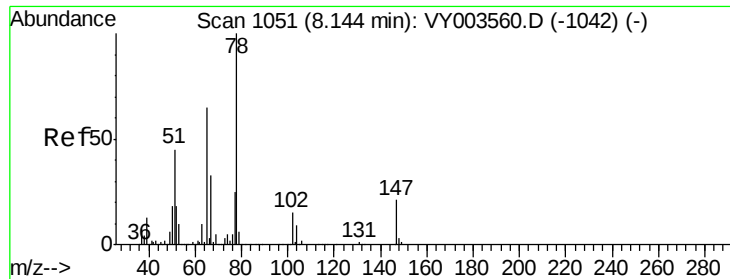
Ion Ratio Lower Upper

97 100

99 64.2 50.2 75.2

61 42.7 34.1 51.1





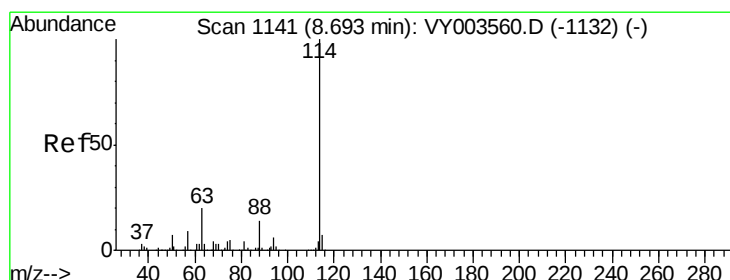
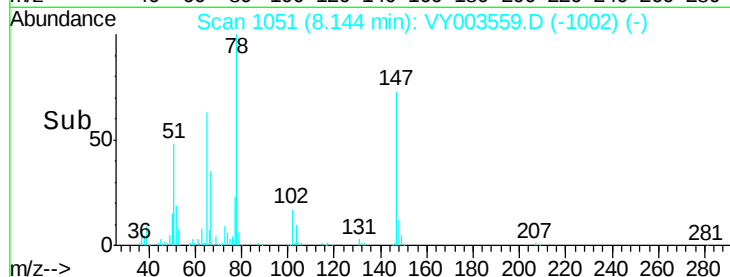
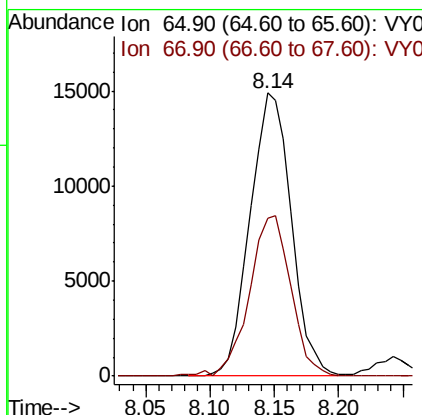
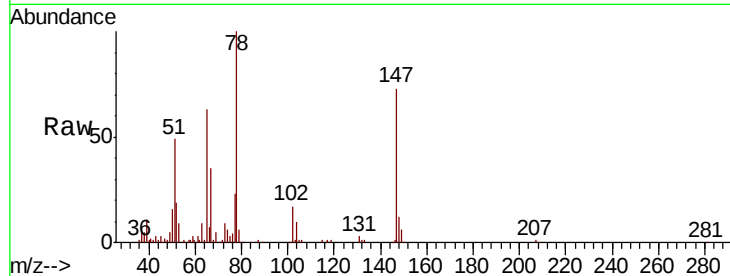
#33
 1,2-Dichloroethane-d4
 Concen: 20.686 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.0	0.0	110.2

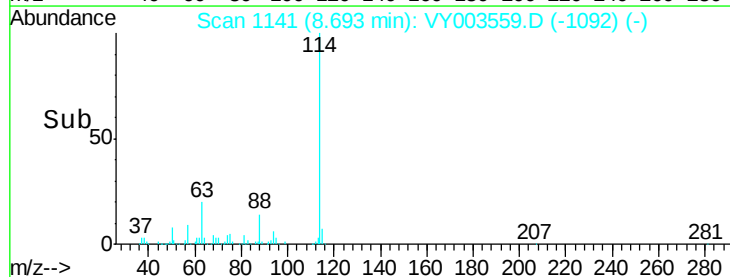
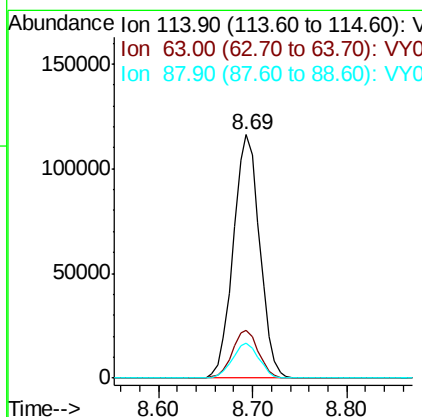
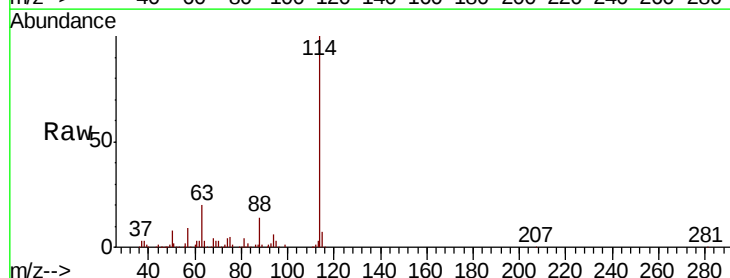
Manual Integrations
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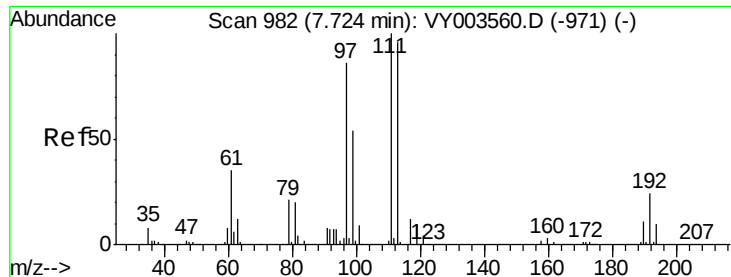
MMDadoda
 11/23/2020 1:39:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	14.2	0.0	29.0





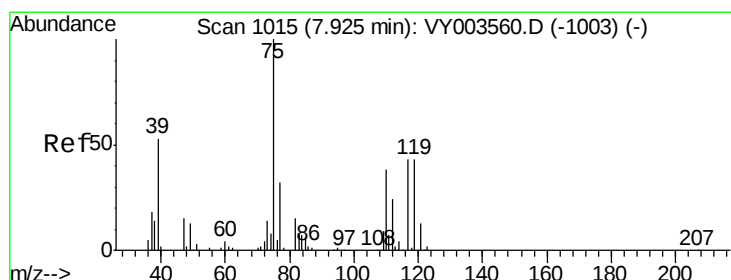
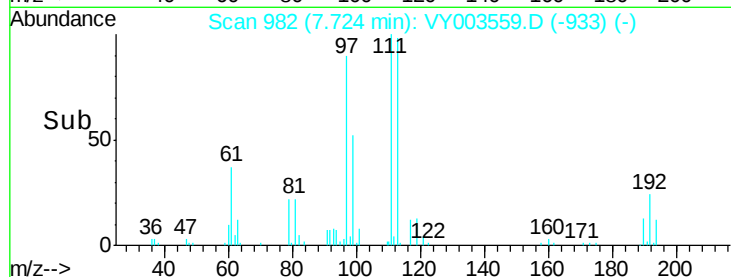
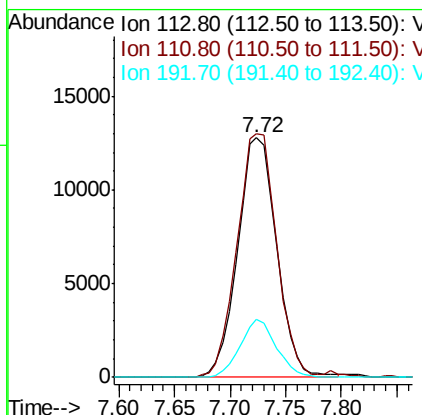
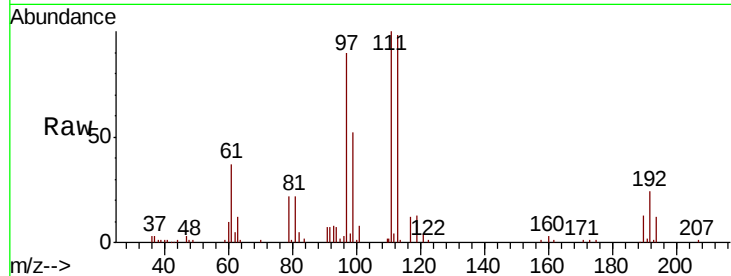
#35
Dibromofluoromethane
Concen: 20.907 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	31165		
111	103.1	81.4	122.0	
192	22.3	18.1	27.1	

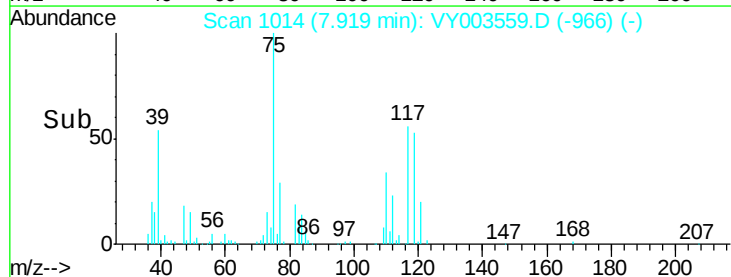
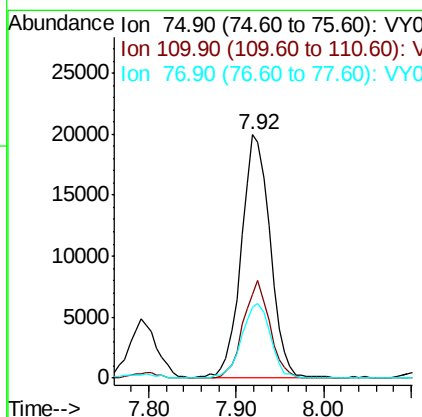
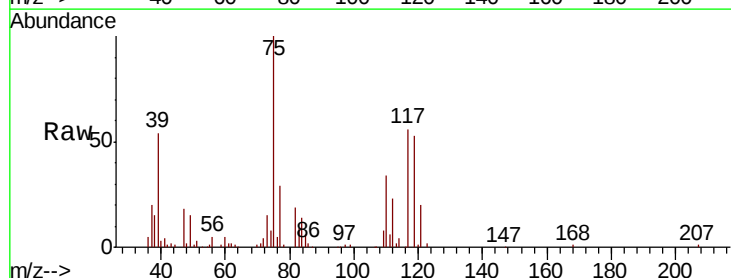
Manual Integrations
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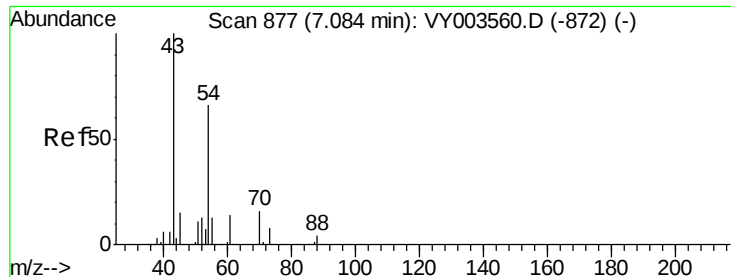
MMDadoda
11/23/2020 1:39:24 PM



#36
1,1-Dichloropropene
Concen: 20.537 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45849		
110	36.5	18.7	56.1	
77	30.5	25.4	38.2	





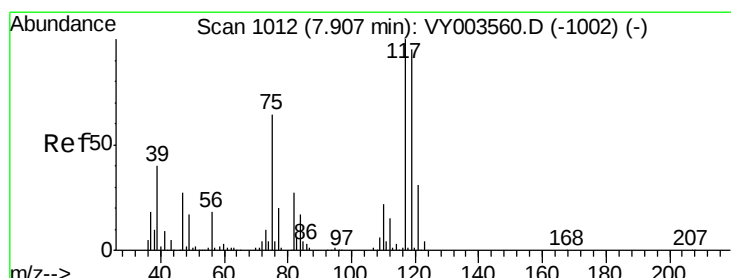
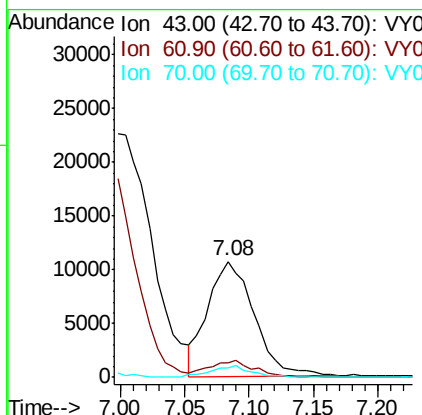
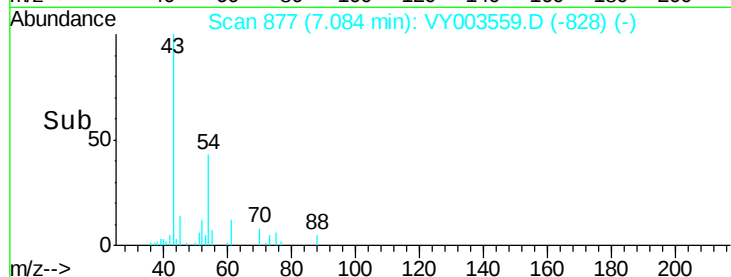
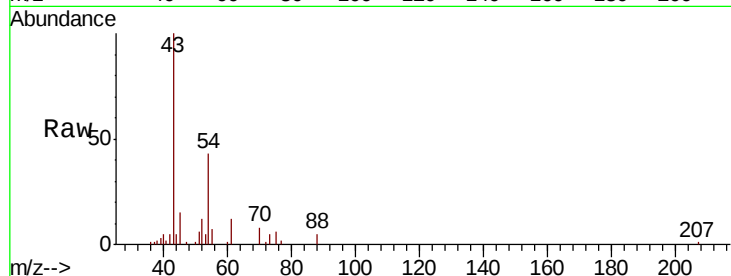
#37
Ethyl Acetate
Concen: 20.066 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	8.8	7.5	11.3

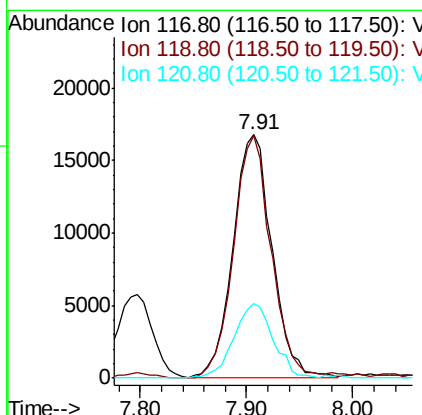
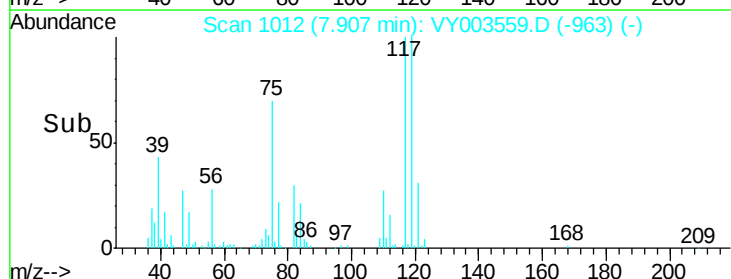
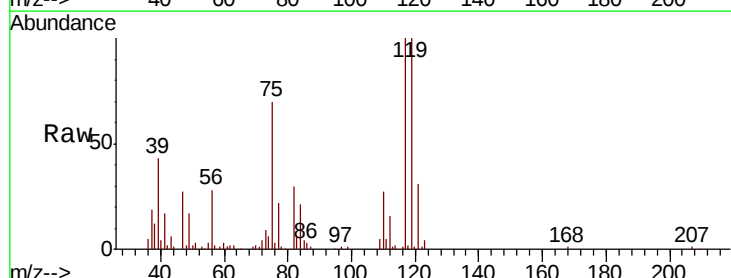
Manual Integrations
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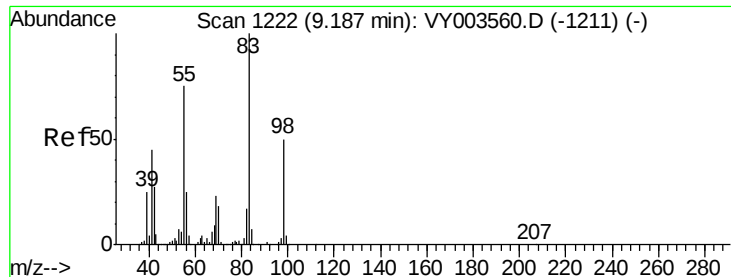
MMDadoda
11/23/2020 1:39:24 PM



#38
Carbon Tetrachloride
Concen: 20.681 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.3	114.5
121	30.6	25.1	37.7





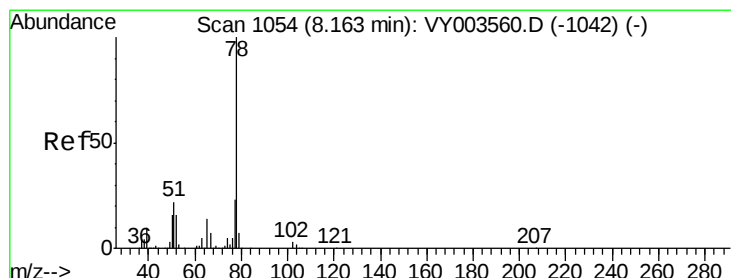
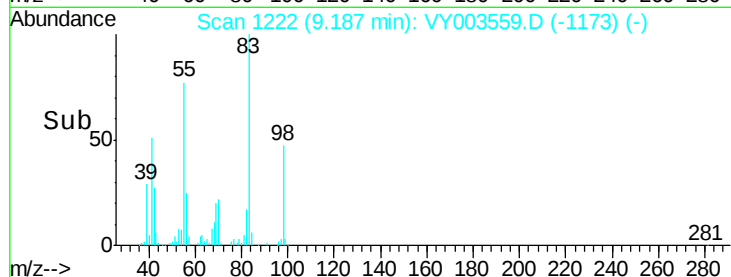
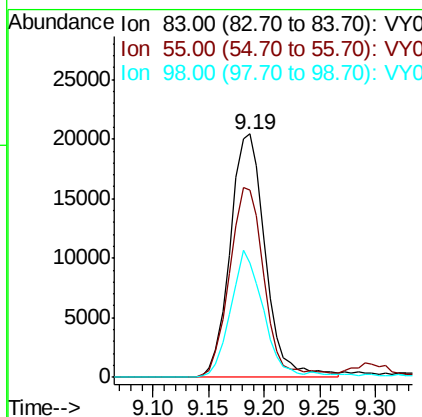
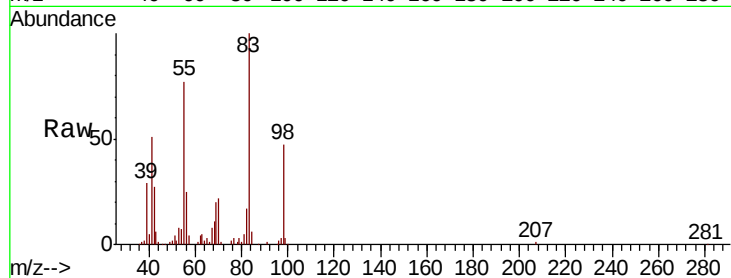
#39
Methvlcvclohexane
Concen: 19.698 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.2	90.4
98	47.1	40.3	60.5

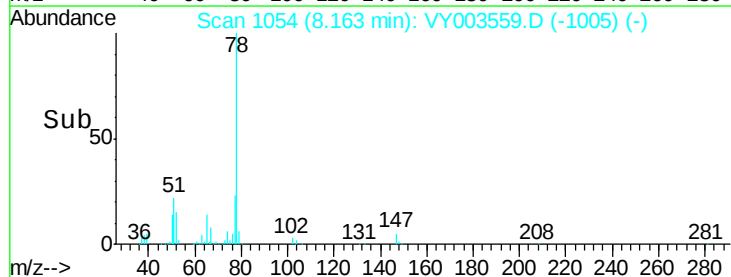
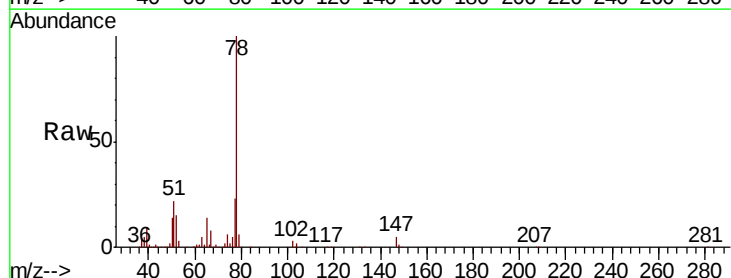
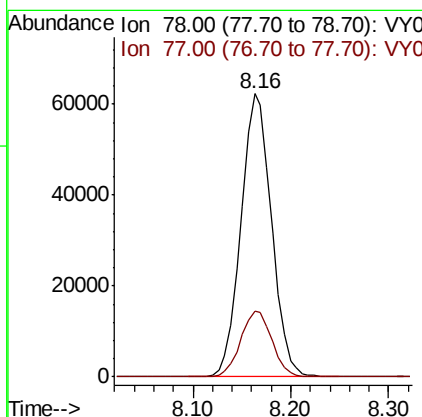
Manual Integrations
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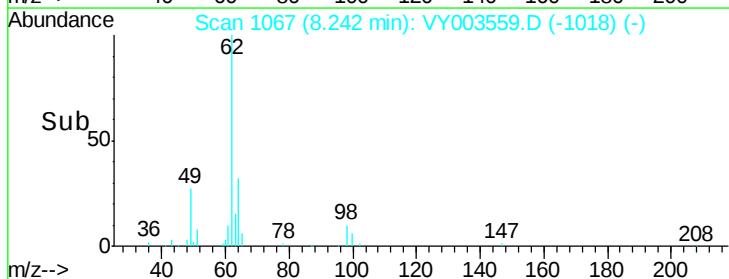
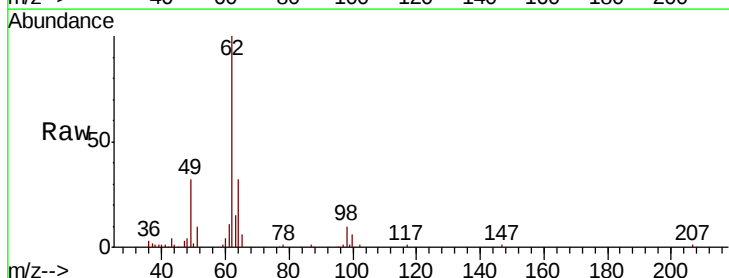
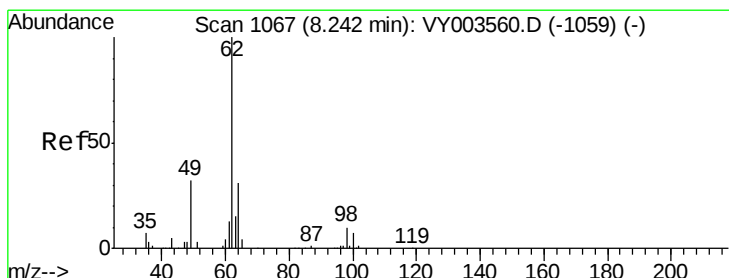
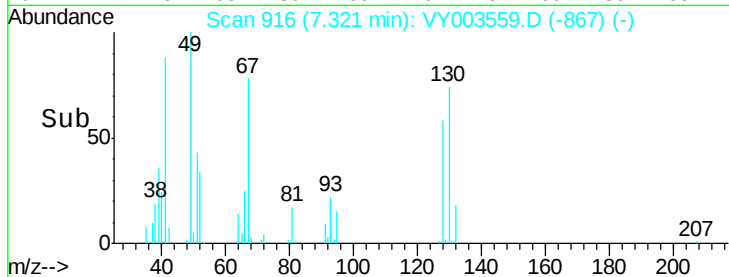
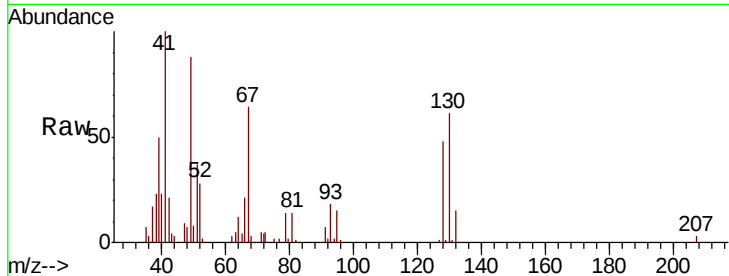
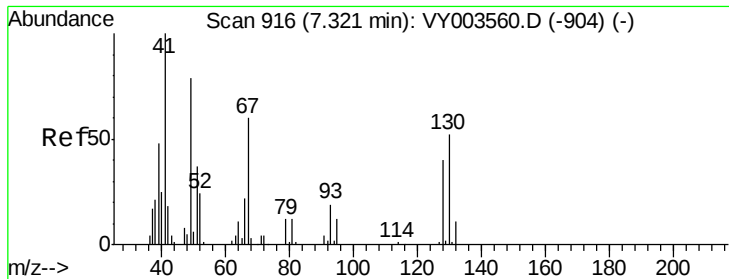
MMDadoda
11/23/2020 1:39:24 PM



#40
Benzene
Concen: 20.341 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

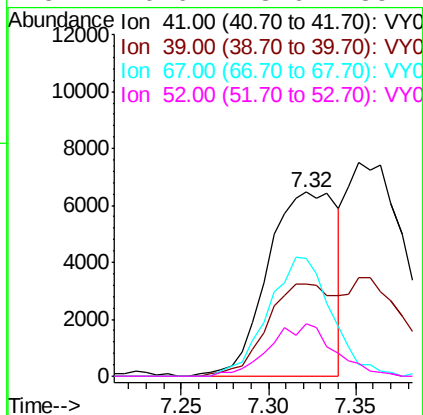
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41
Methacrylonitrile
Concen: 26.987 ug/l
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tot Ion	41	Resp	17852
Ion Ratio	Lower	Upper	
41	100		
39	43.5	41.4	62.0
67	59.0	57.2	85.8
52	26.6	23.6	35.4



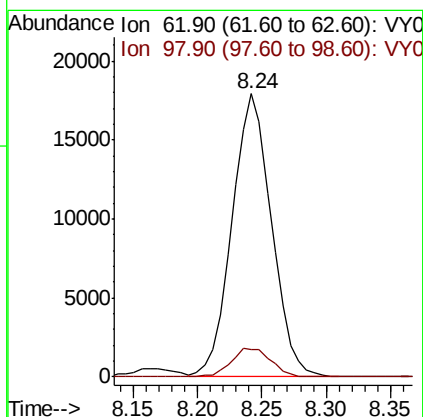
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

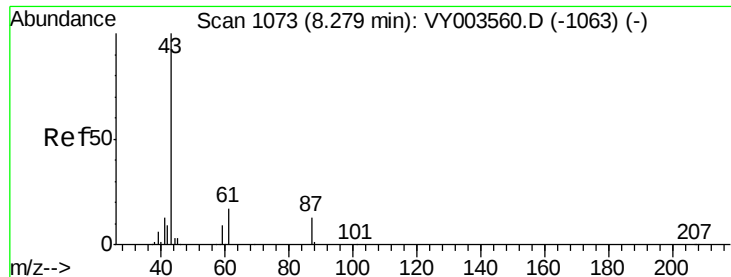
Manual Integrations
APPROVED

MMDadoda
11/23/2020 1:39:24 PM

#42
1,2-Dichloroethane
Concen: 20.246 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	62	Resp	38117
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.013 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

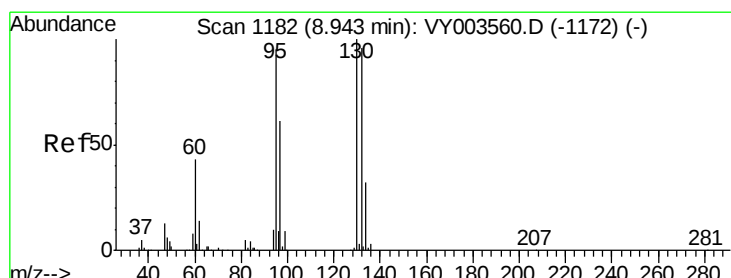
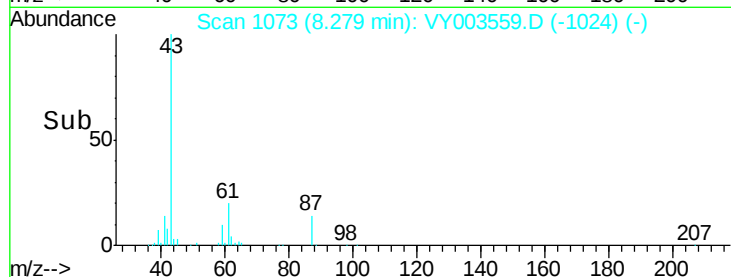
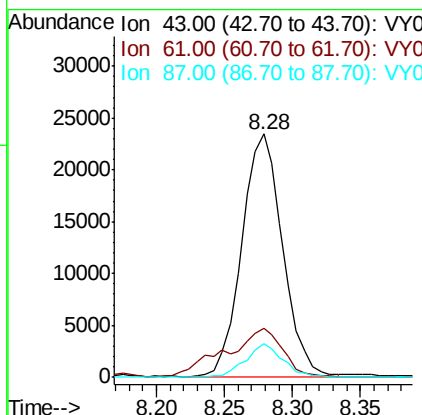
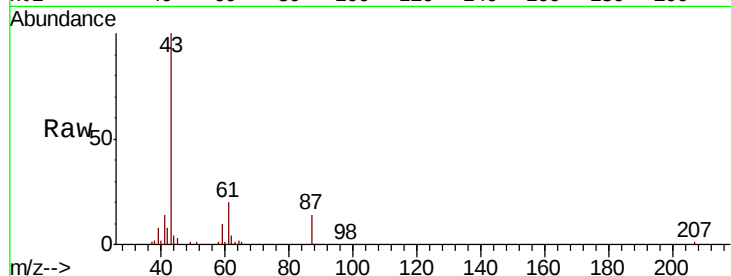
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	49439
Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.4	32.0
87	12.8	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.404 ug/l

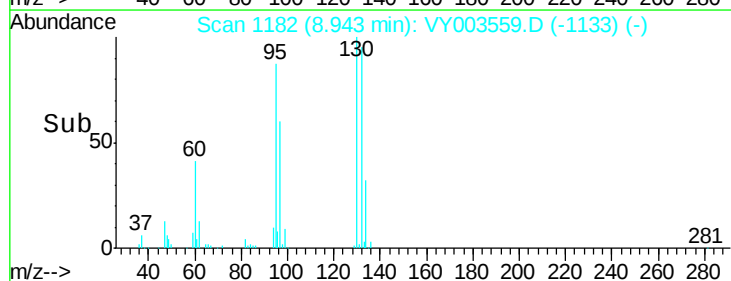
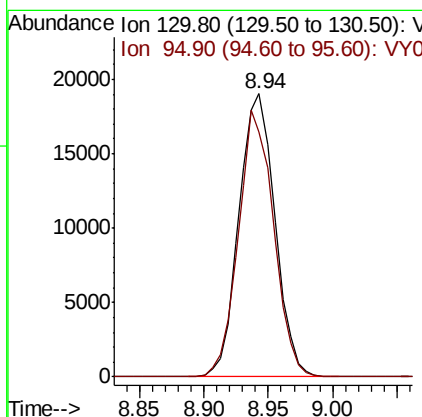
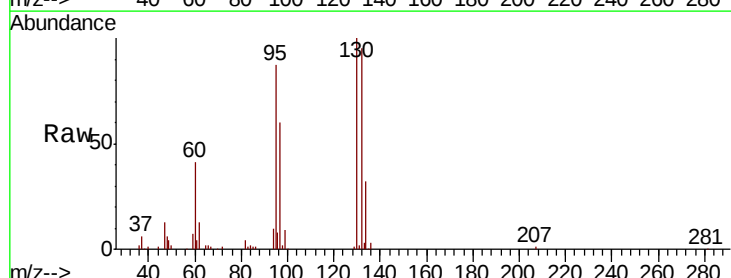
RT: 8.94 min Scan# 1182

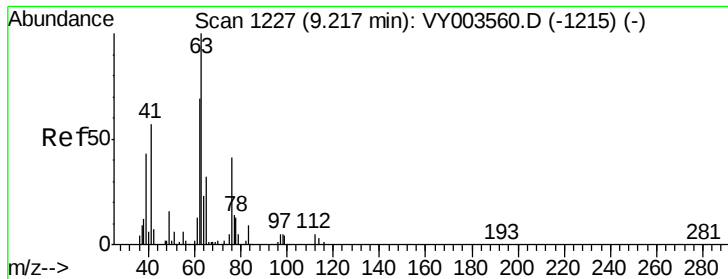
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	130	Resp:	36794
Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	189.2





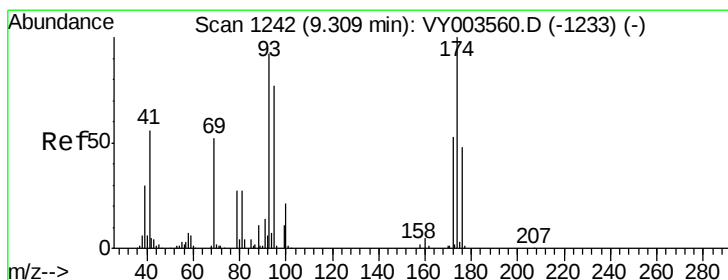
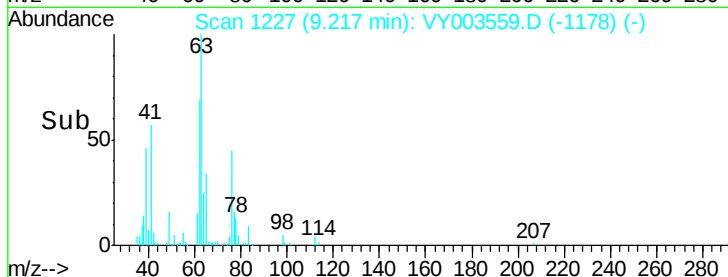
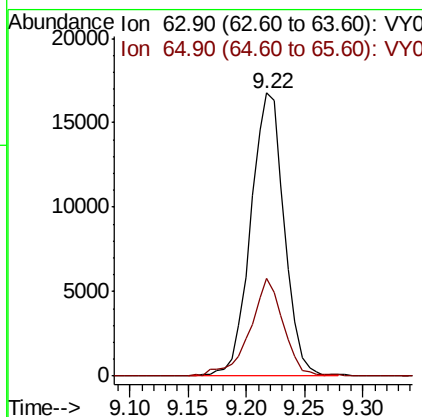
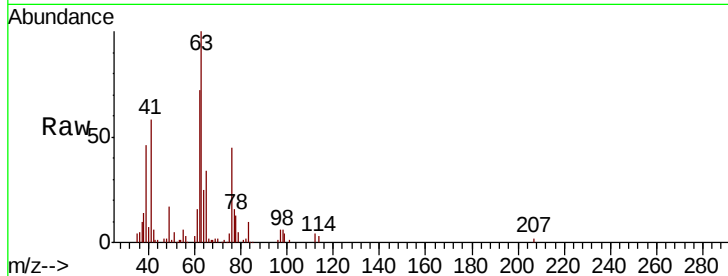
#45
 1,2-Dichloropropane
 Concen: 20.511 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.1	25.7	38.5

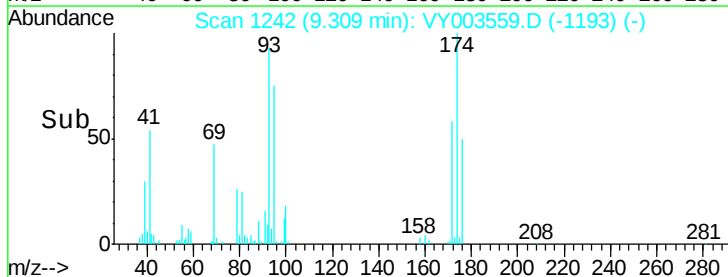
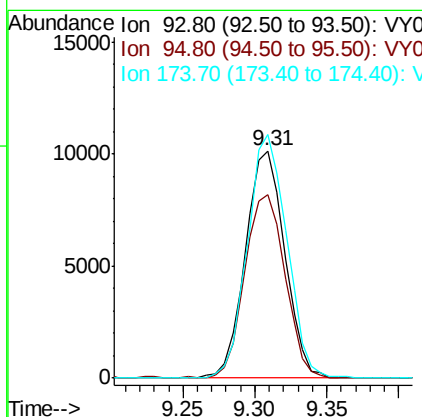
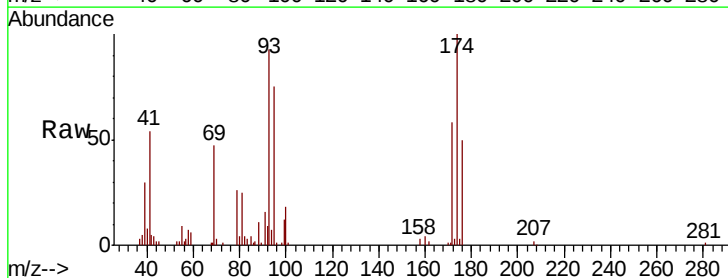
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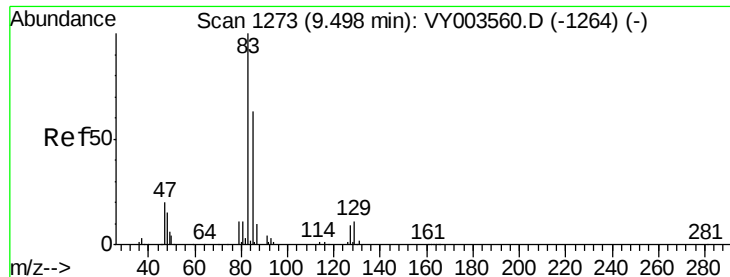
MMDadoda
 11/23/2020 1:39:24 PM



#46
 Dibromomethane
 Concen: 20.547 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	107.3	86.8	130.2





#47

Bromodichloromethane

Concen: 19.940 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

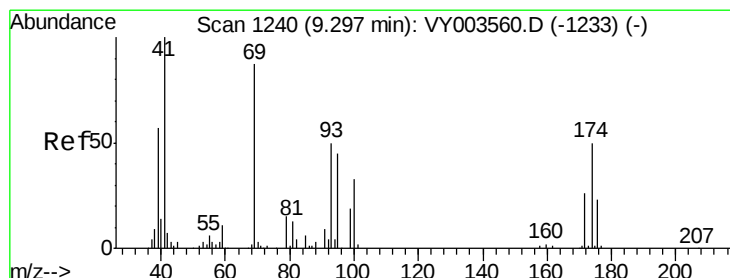
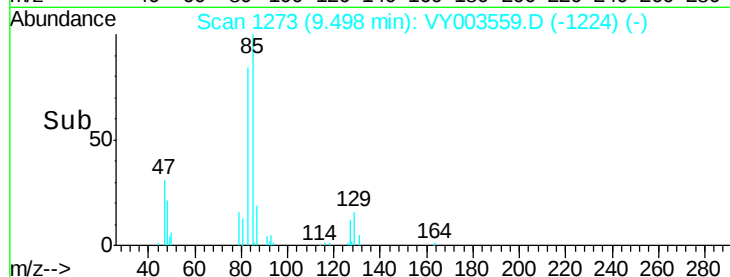
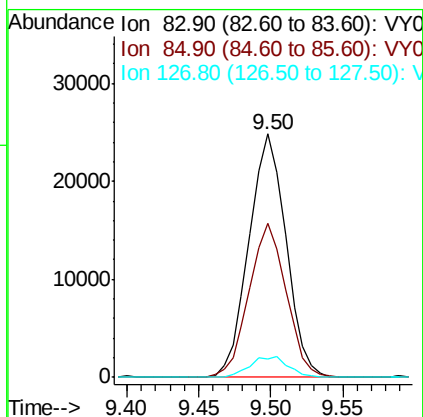
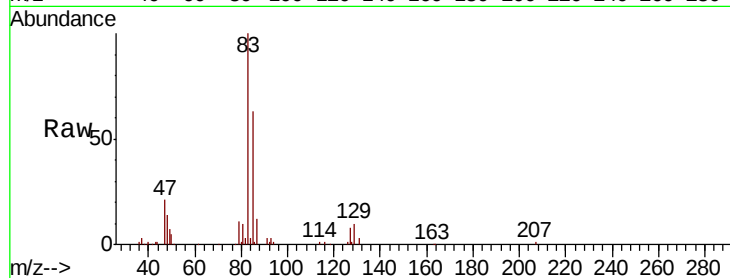
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	44248
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.7	76.1
127	7.7	7.0	10.4

Manual Integrations
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11/23/2020 1:39:24 PM



#48

Methyl methacrylate

Concen: 19.723 ug/l

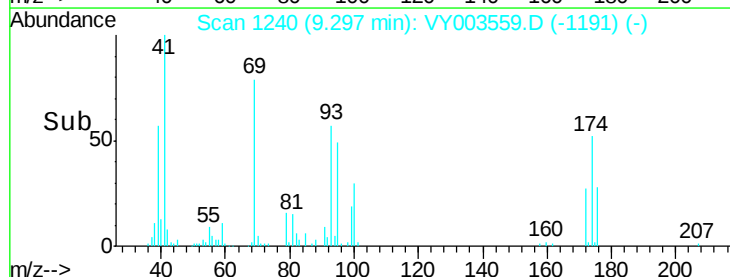
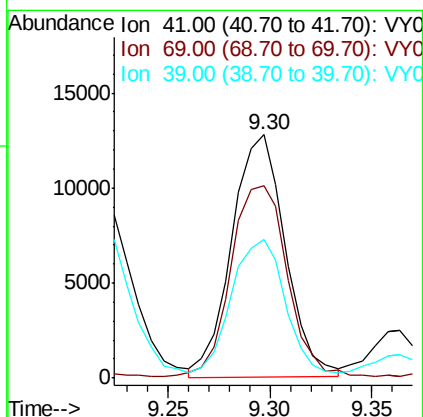
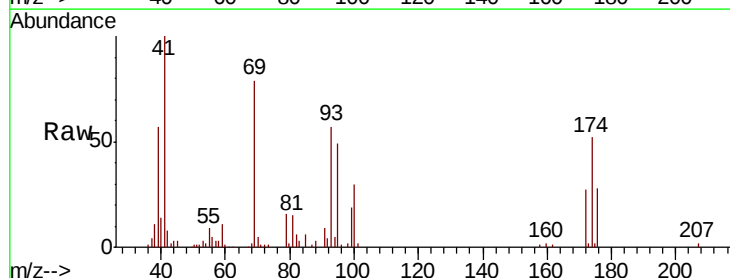
RT: 9.30 min Scan# 1240

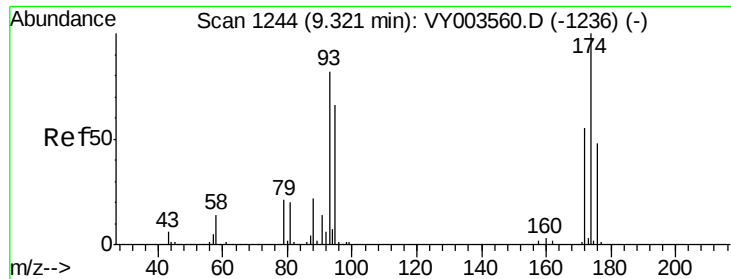
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	41	Resp:	23323
Ion	Ratio	Lower	Upper
41	100		
69	82.9	68.6	102.8
39	59.0	48.8	73.2





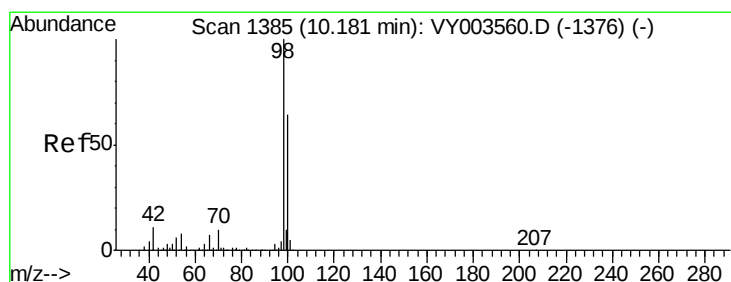
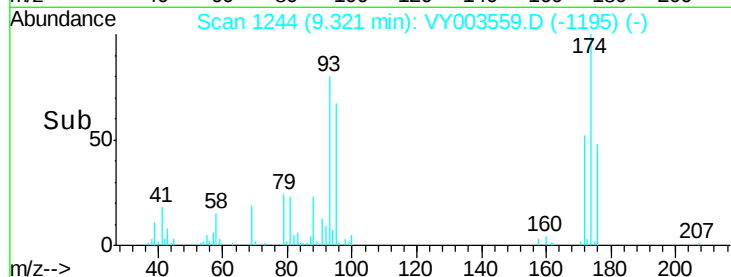
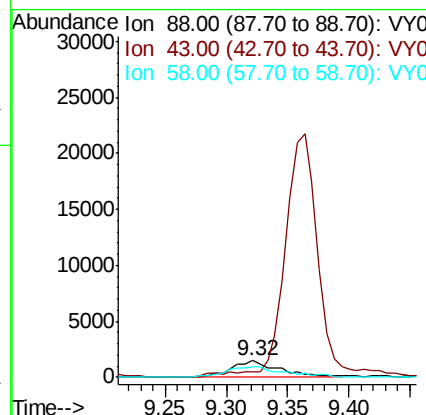
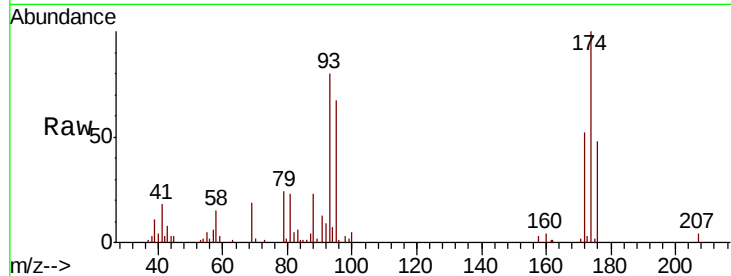
#49
1,4-Dioxane
Concen: 393.387 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.8	50.9	76.3

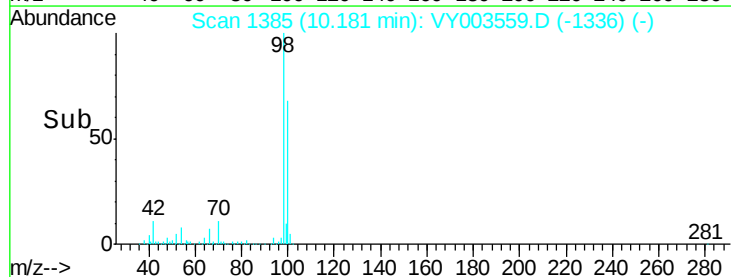
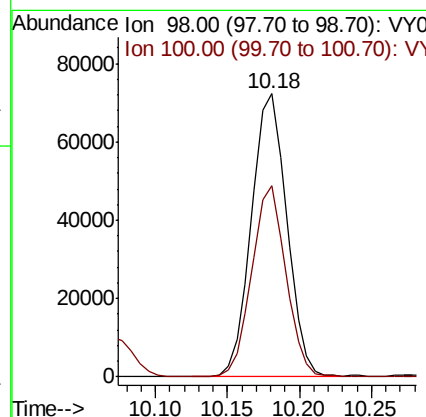
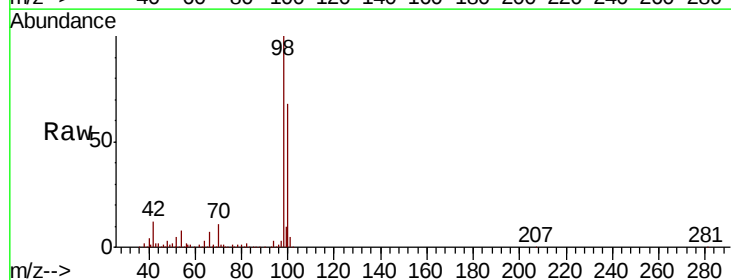
Manual Integrations
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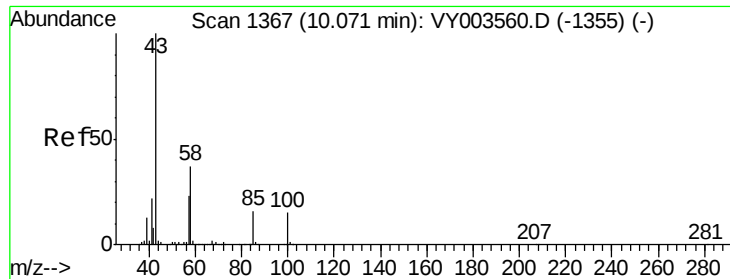
MMDadoda
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#50
Toluene-d8
Concen: 21.223 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.2





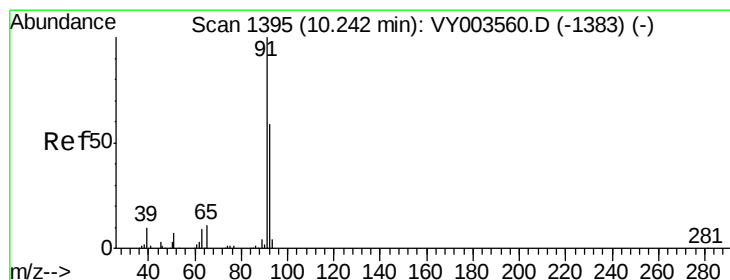
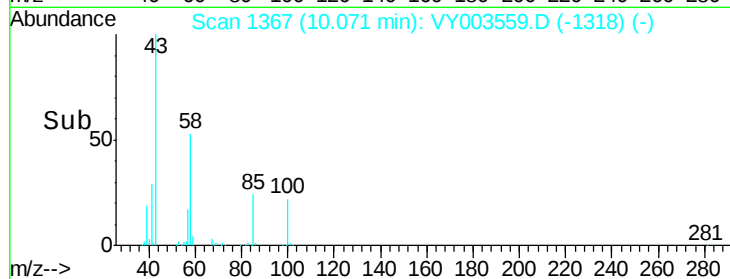
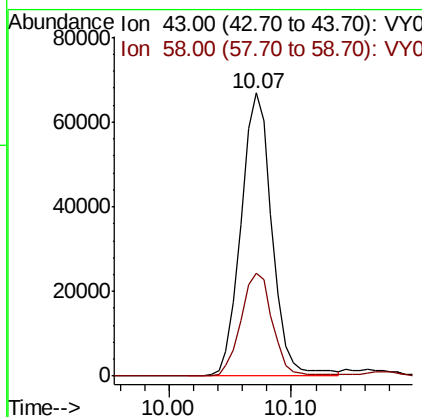
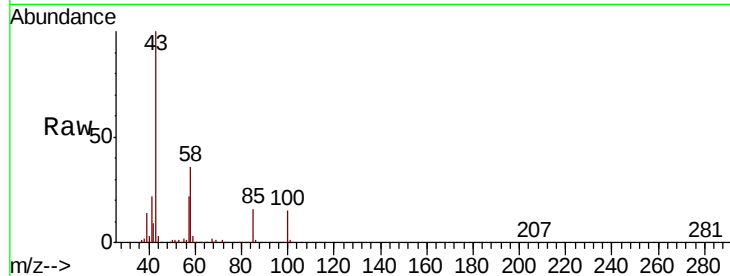
#51
4-Methyl-2-Pentanone
Concen: 99.295 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	36.9	29.8	44.8	

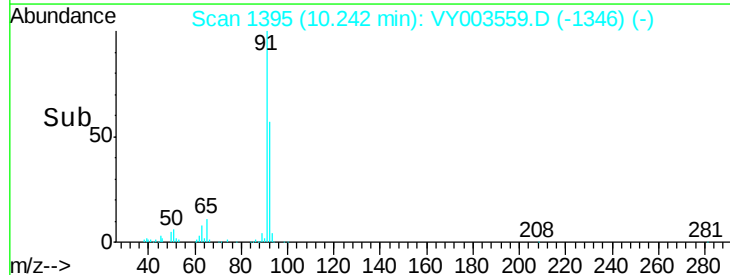
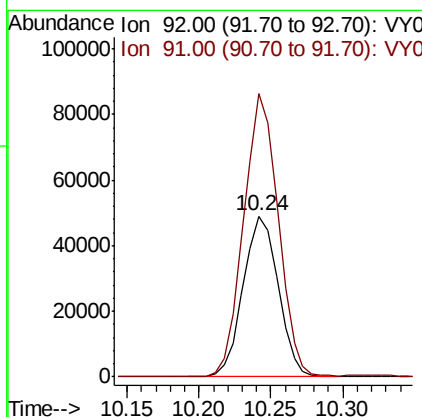
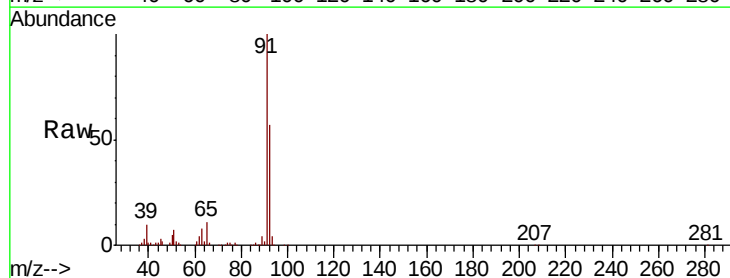
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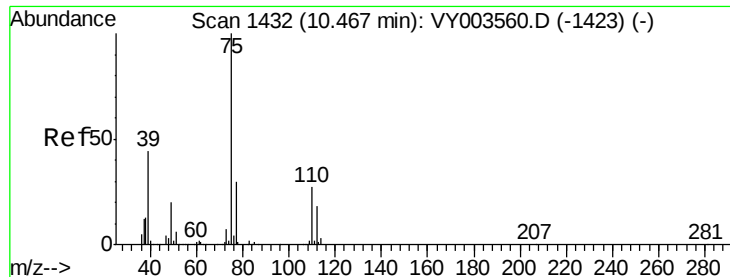
MMDadoda
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#52
Toluene
Concen: 20.505 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	173.6	137.6	206.4	





#53

t-1,3-Dichloropropene

Concen: 20.034 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 46530

Ion Ratio Lower Upper

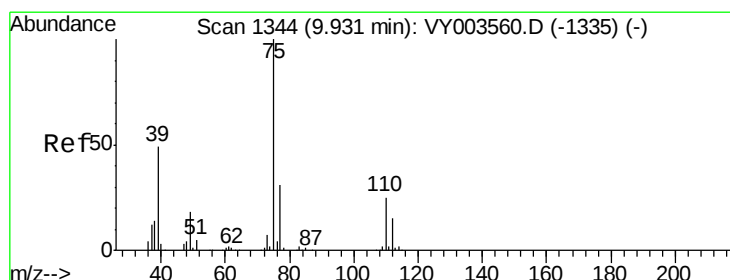
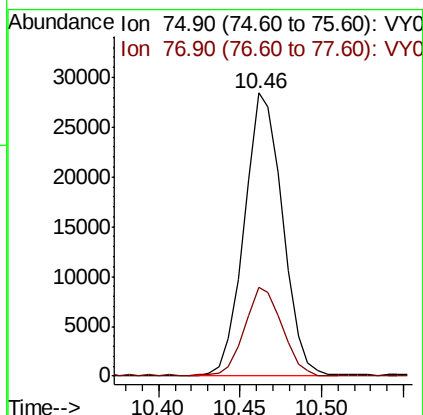
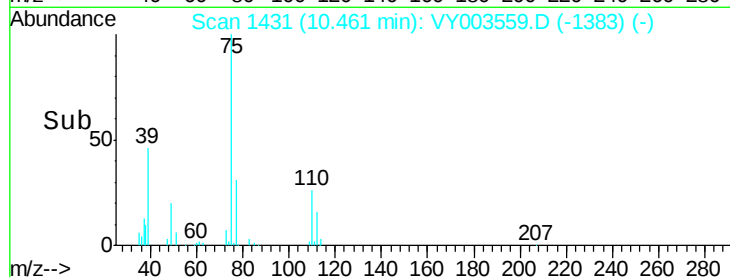
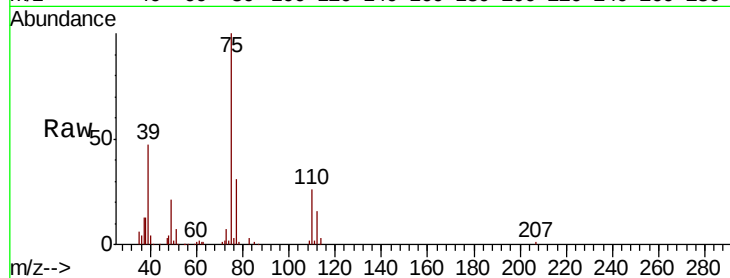
75 100

77 31.0 24.0 36.0

Manual Integrations
APPROVED

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11/23/2020 1:39:24 PM



#54

cis-1,3-Dichloropropene

Concen: 20.348 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

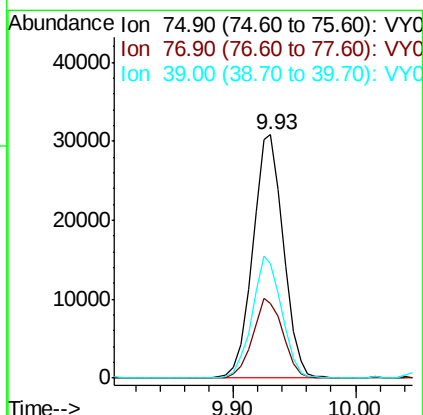
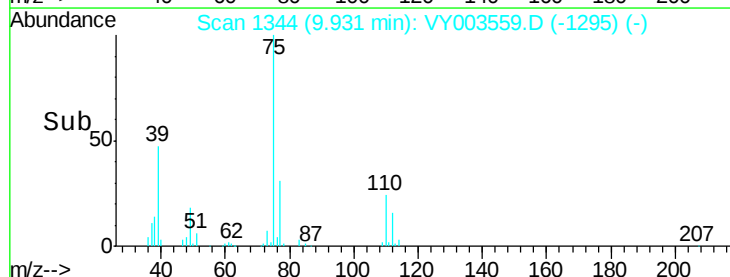
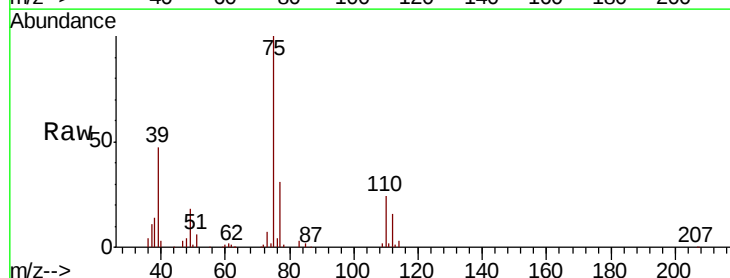
Tgt Ion: 75 Resp: 53788

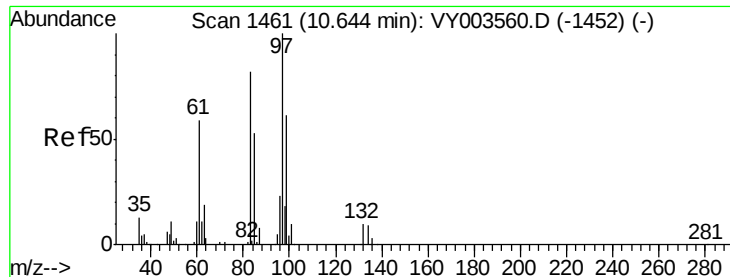
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 46.8 38.9 58.3





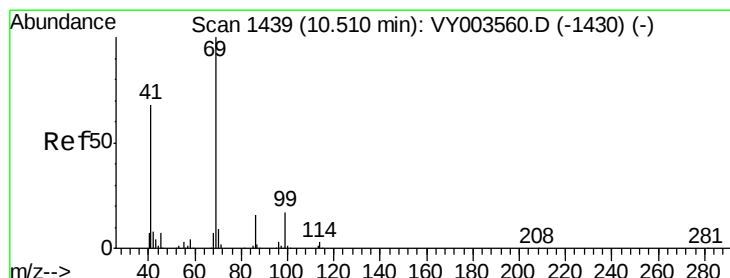
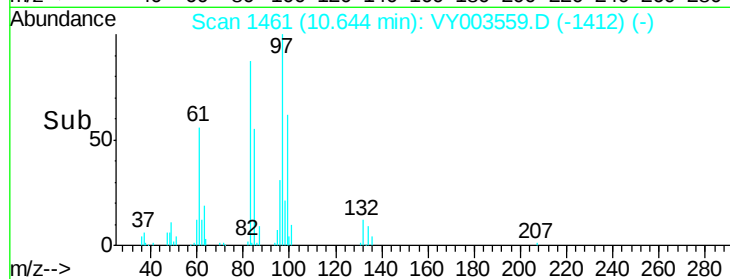
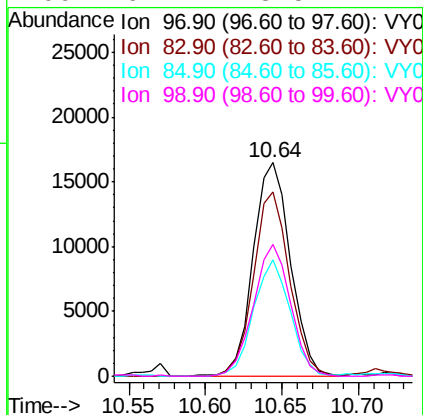
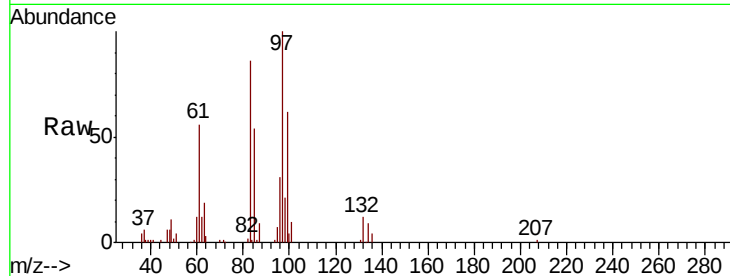
#55
1,1,2-Trichloroethane
Concen: 21.139 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	97	Resp:	28011
Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.2	97.8
85	54.4	42.4	63.6
99	61.7	48.5	72.7

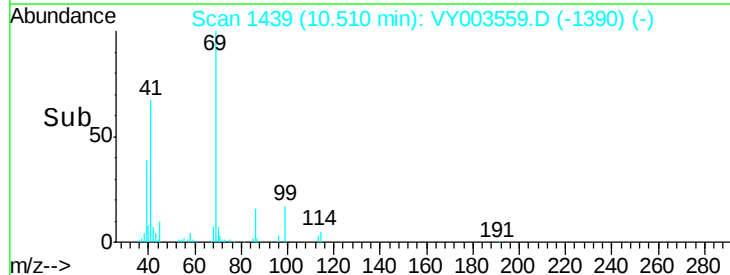
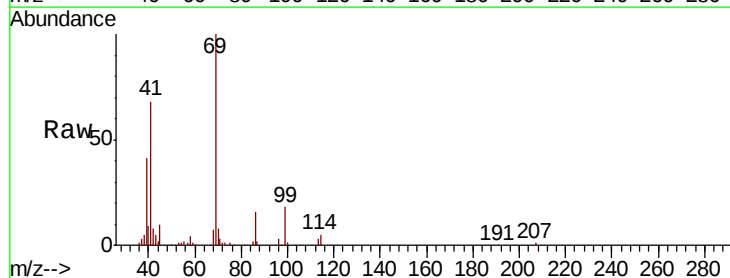
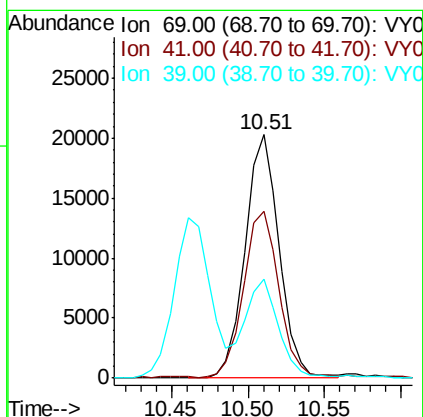
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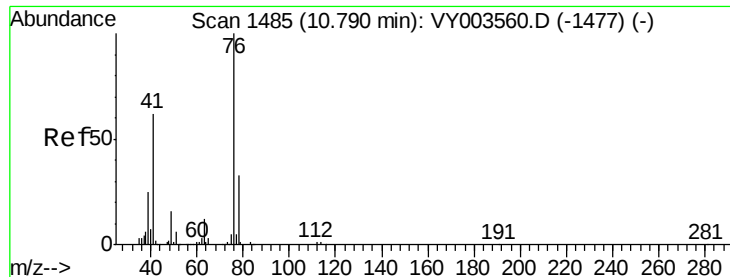
MMDadoda
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#56
Ethyl methacrylate
Concen: 19.452 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion:	69	Resp:	31324
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.4	83.0
39	40.0	30.2	45.2





#57

1,3-Dichloropropane

Concen: 20.930 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 46943

Ion Ratio Lower Upper

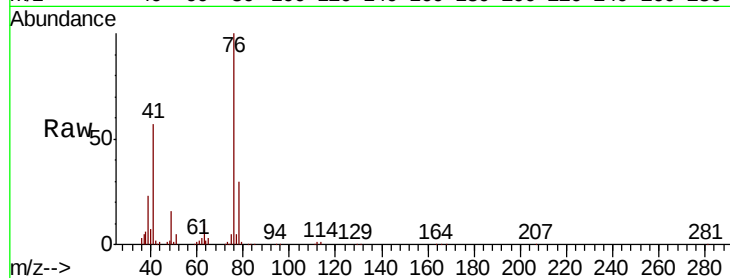
76 100

78 31.2 26.0 39.0

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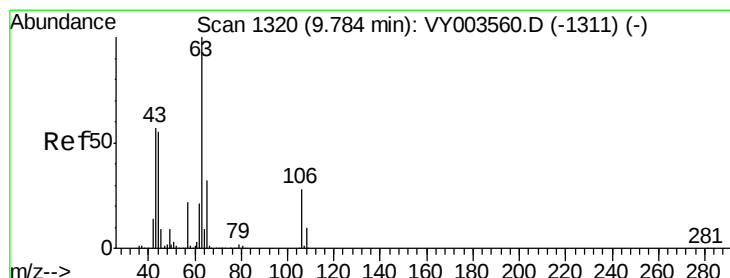
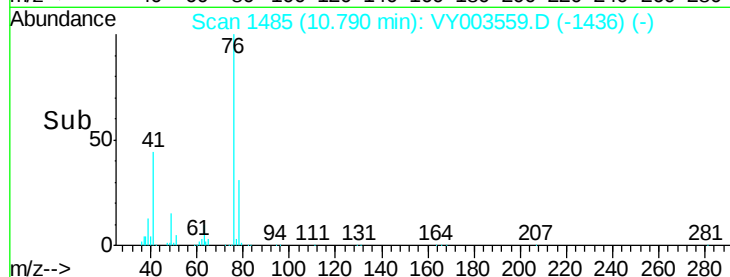
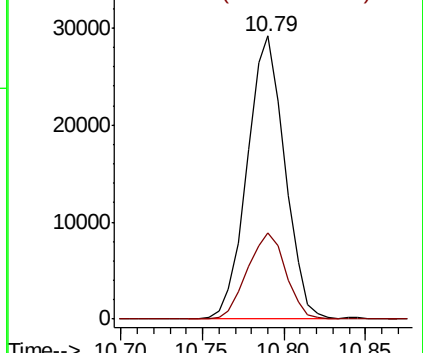
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 106.428 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003559.D

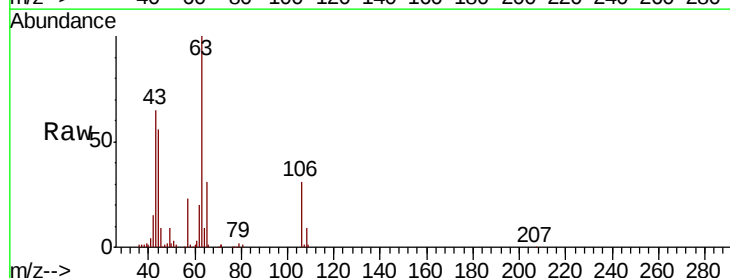
Acq: 20 Nov 2020 10:57

Tgt Ion: 63 Resp: 87952

Ion Ratio Lower Upper

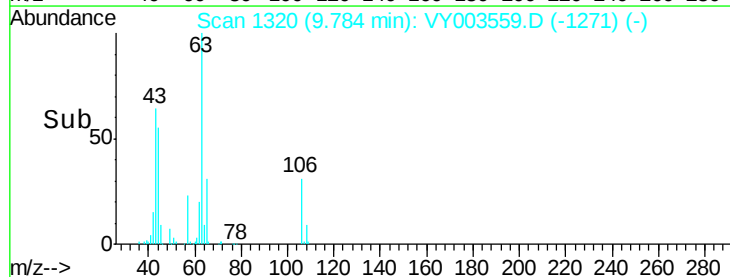
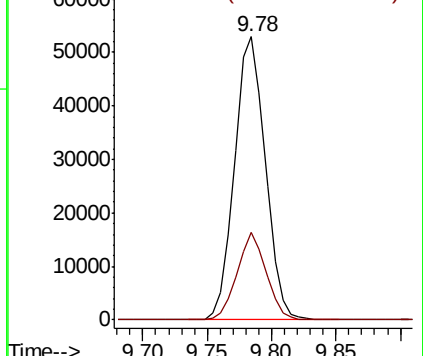
63 100

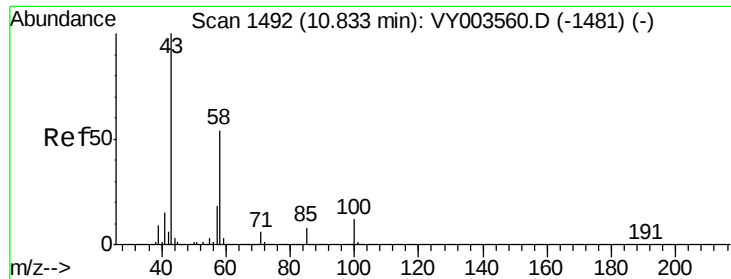
106 29.2 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





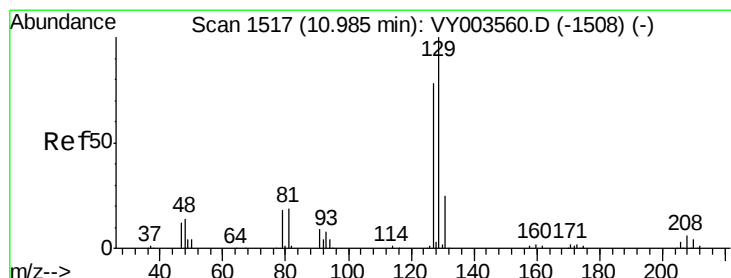
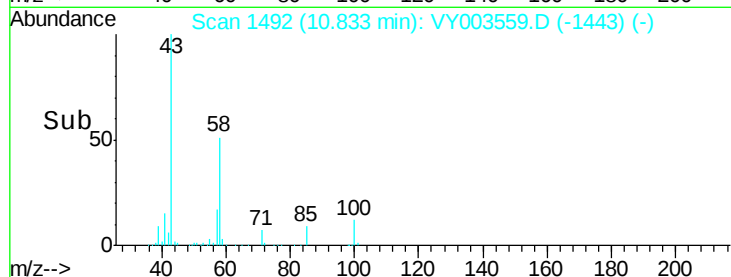
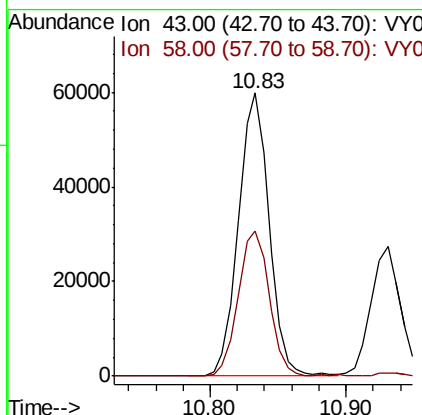
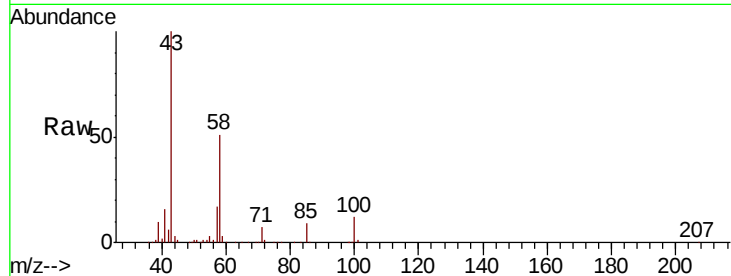
#59
2-Hexanone
Concen: 96.470 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 94154
Ion Ratio Lower Upper
43 100
58 52.2 26.7 80.1

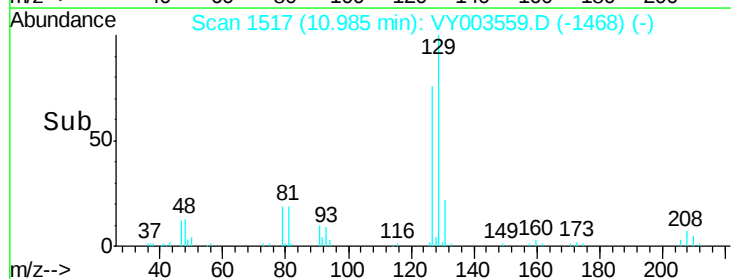
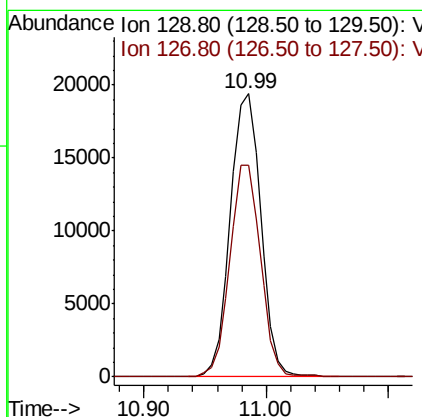
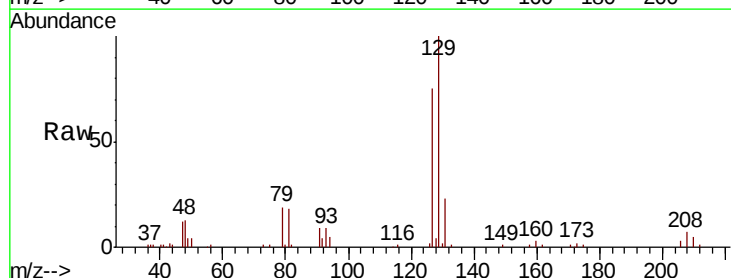
Manual Integrations
APPROVED

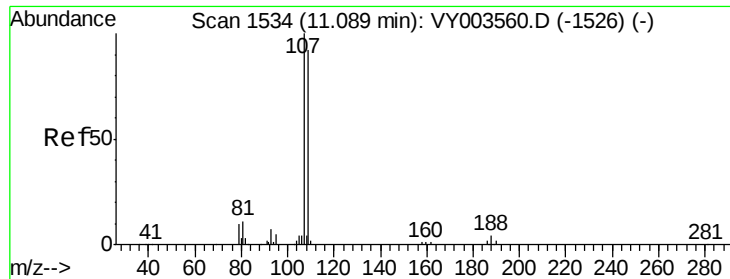
MMDadoda
11/23/2020 1:39:24 PM



#60
Dibromochloromethane
Concen: 20.980 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion: 129 Resp: 33614
Ion Ratio Lower Upper
129 100
127 75.1 38.9 116.7





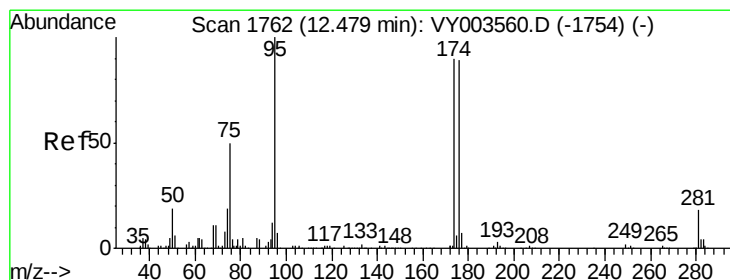
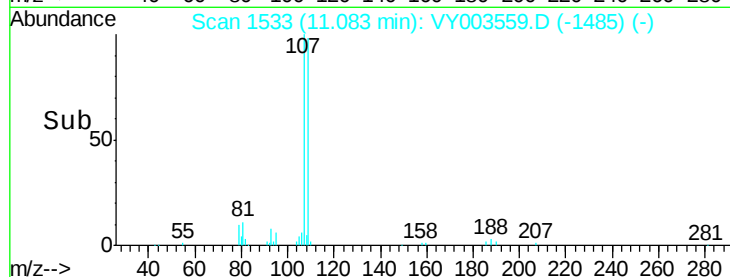
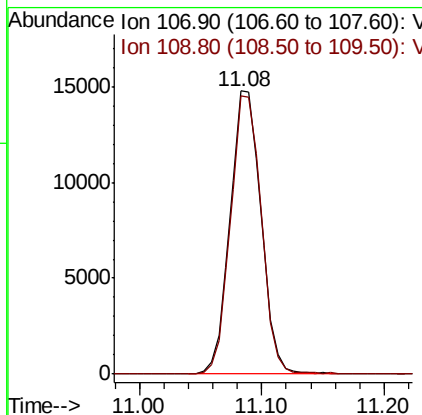
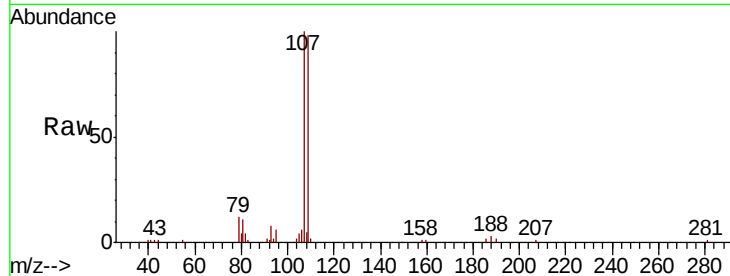
#61
 1,2-Dibromoethane
 Concen: 20.197 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 25791
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.9 113.9

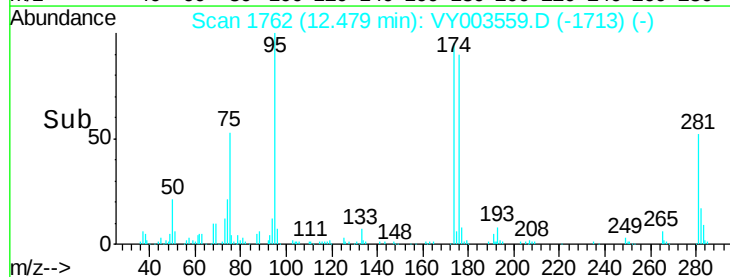
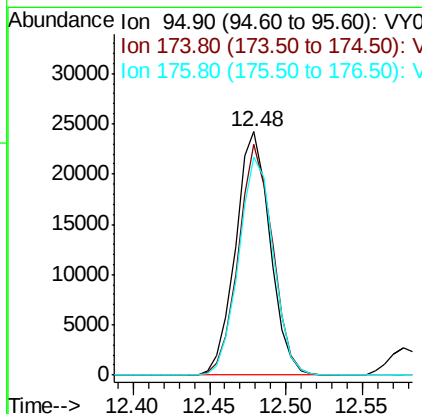
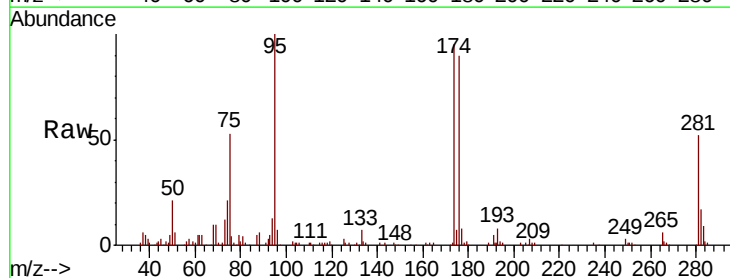
Manual Integrations
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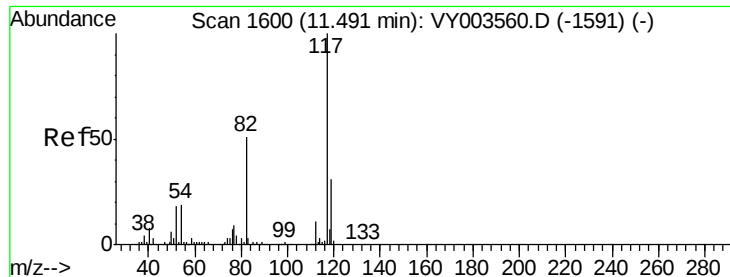
MMDadoda
 11/23/2020 1:39:24 PM



#62
 4-Bromofluorobenzene
 Concen: 20.616 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion: 95 Resp: 37924
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 184.0
 176 90.1 0.0 180.4





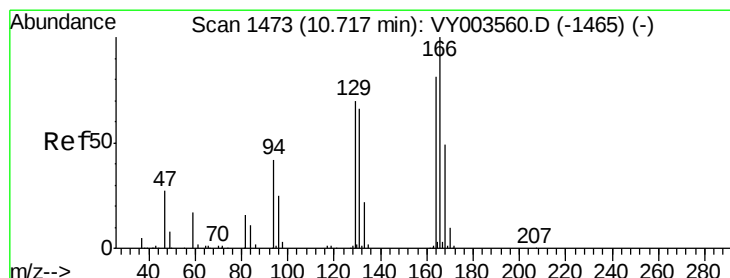
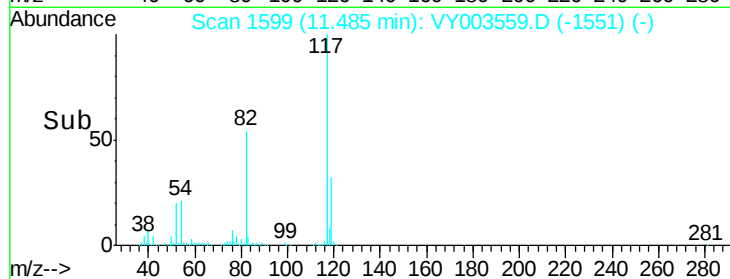
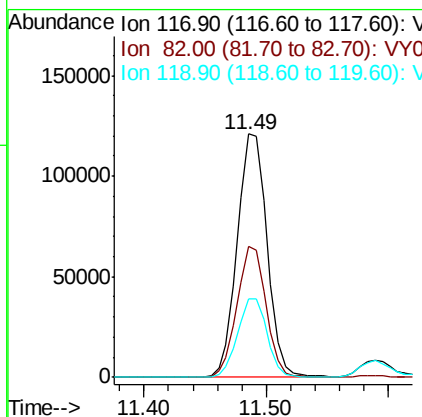
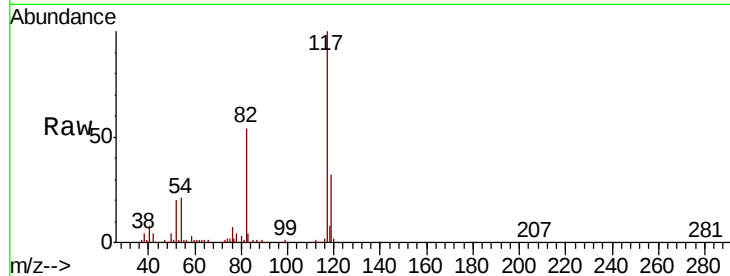
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.0	61.6
119	32.1	25.0	37.6

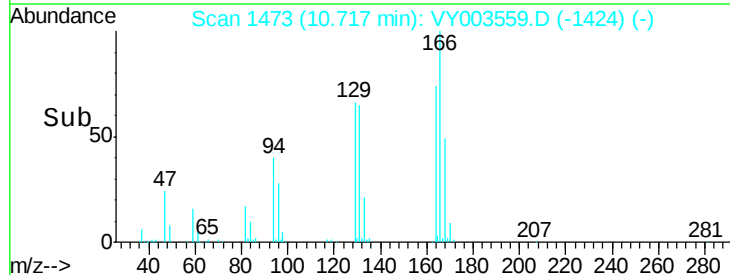
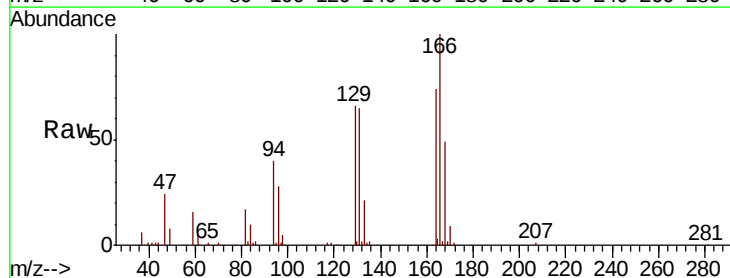
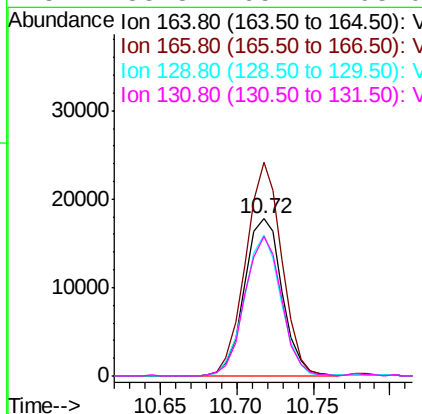
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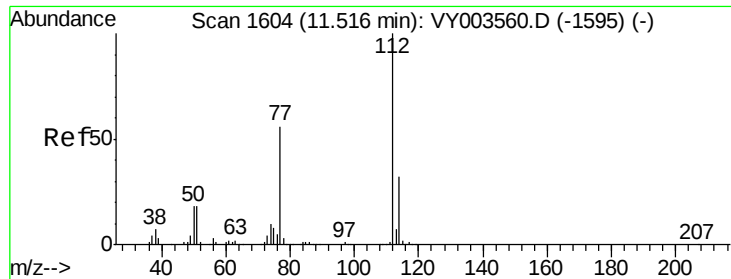
MMDadoda
11/23/2020 1:39:24 PM



#64
Tetrachloroethene
Concen: 20.003 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.0	99.0	148.4
129	89.4	69.1	103.7
131	88.8	65.4	98.0





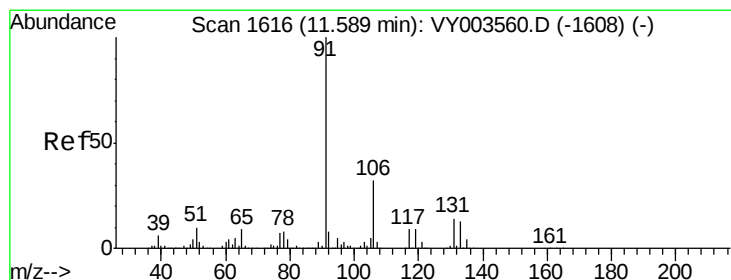
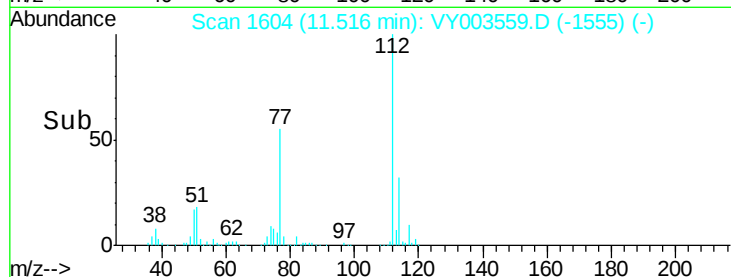
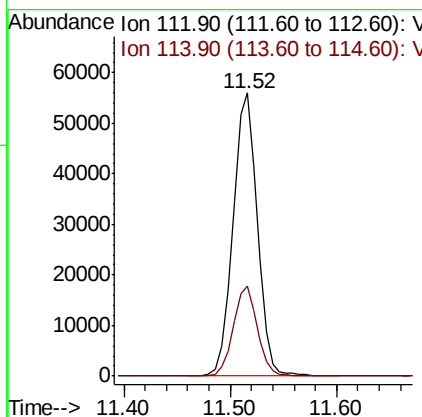
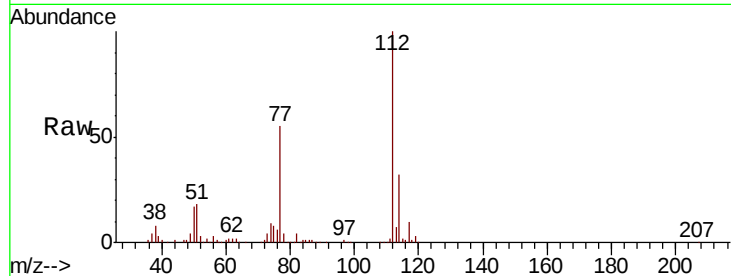
#65
Chlorobenzene
Concen: 20.212 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 89750
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

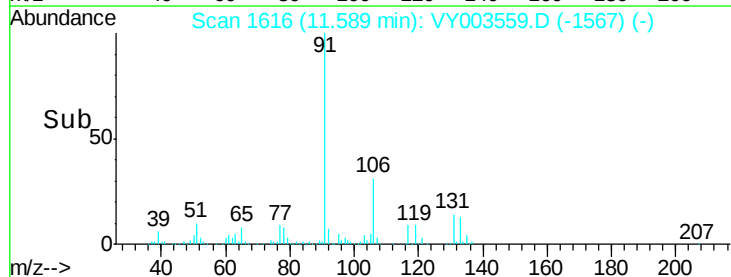
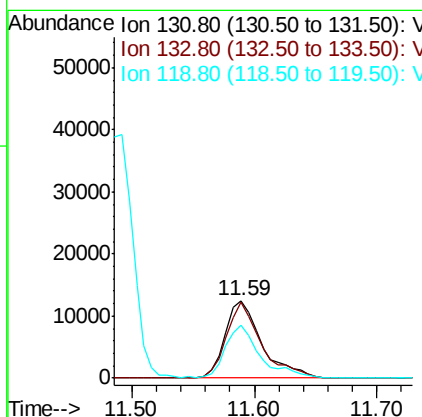
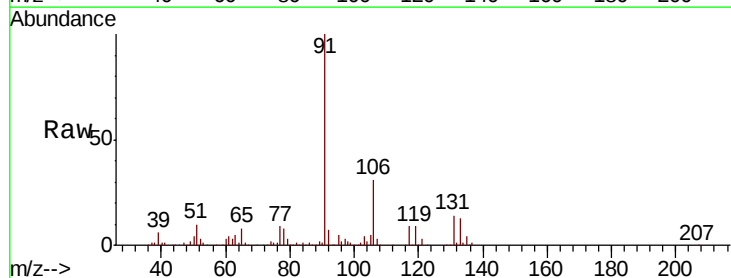
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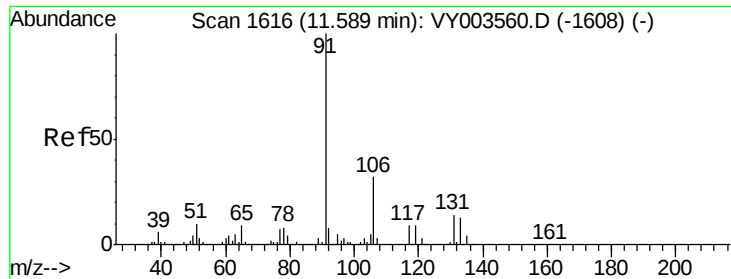
MMDadoda
11/23/2020 1:39:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.305 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion:131 Resp: 25872
Ion Ratio Lower Upper
131 100
133 92.8 47.1 141.4
119 64.6 32.6 97.7





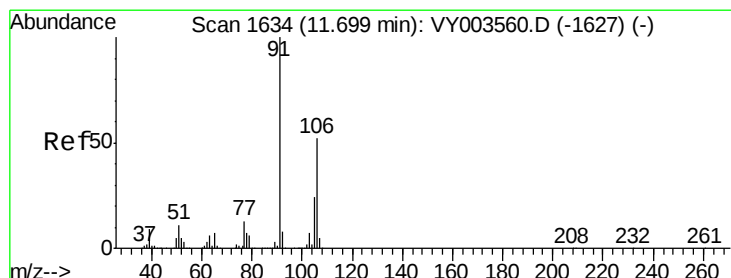
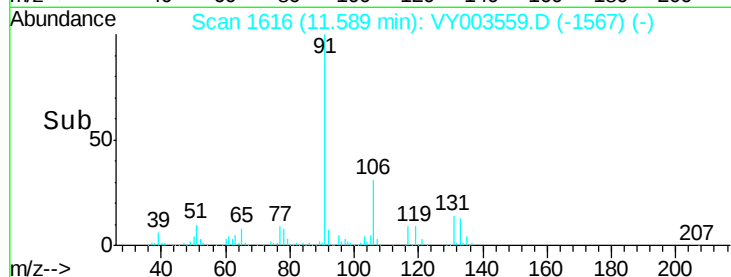
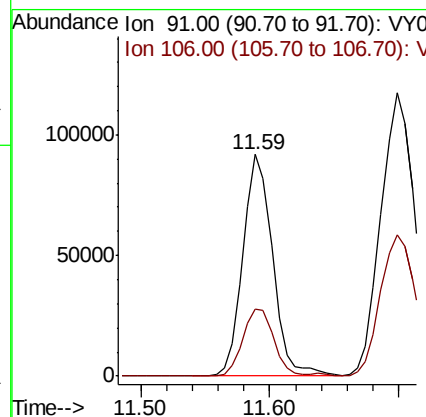
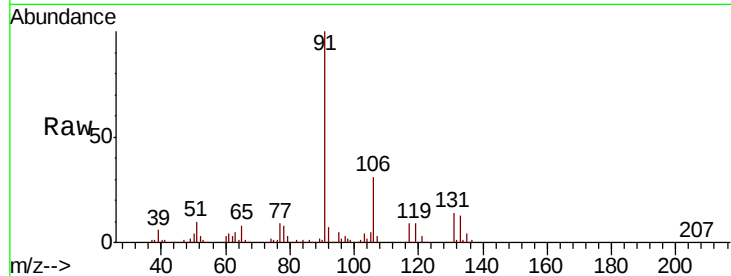
#67
Ethyl Benzene
Concen: 20.223 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 147147
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4

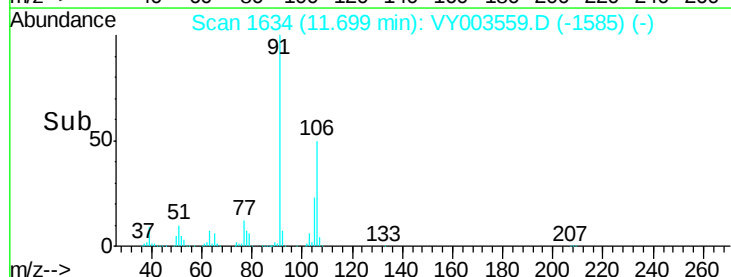
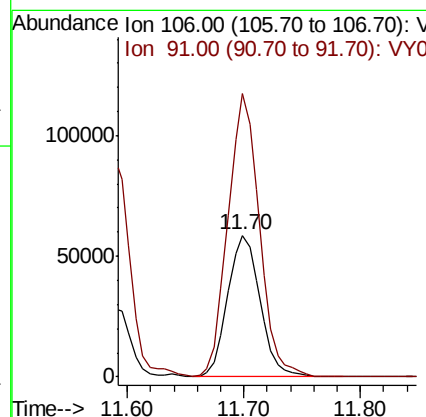
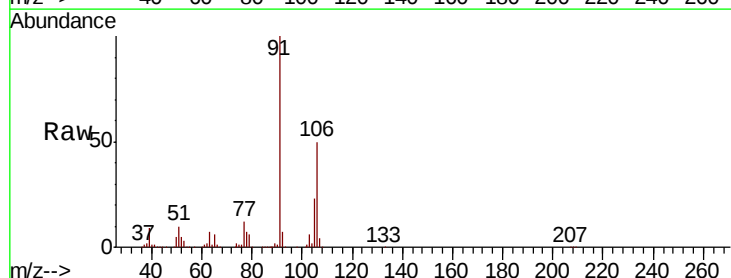
Manual Integrations
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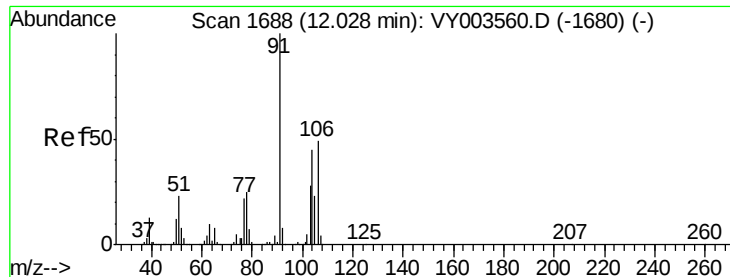
MMDadoda
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#68
m/p-Xylenes
Concen: 40.804 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion: 106 Resp: 113686
Ion Ratio Lower Upper
106 100
91 193.6 154.2 231.4





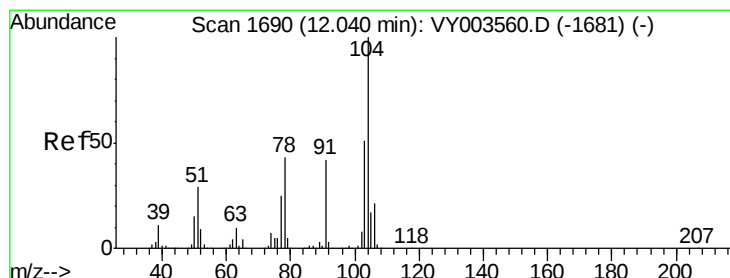
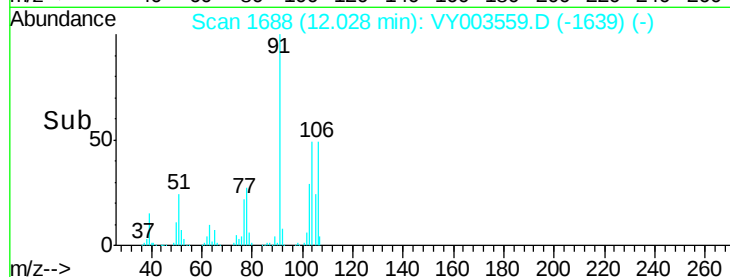
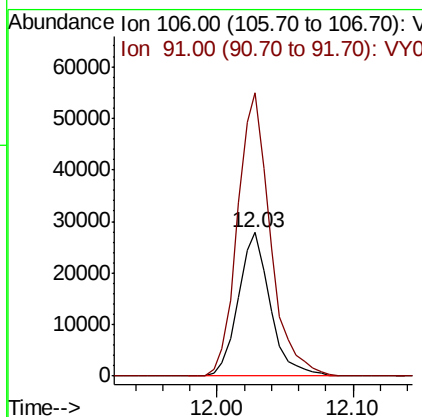
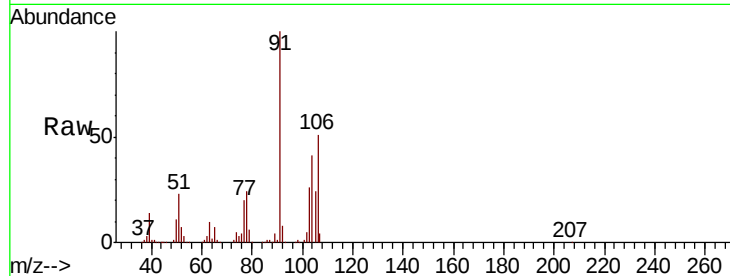
#69
o-Xylene
Concen: 20.475 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 45632
Ion Ratio Lower Upper
106 100
91 202.8 103.1 309.1

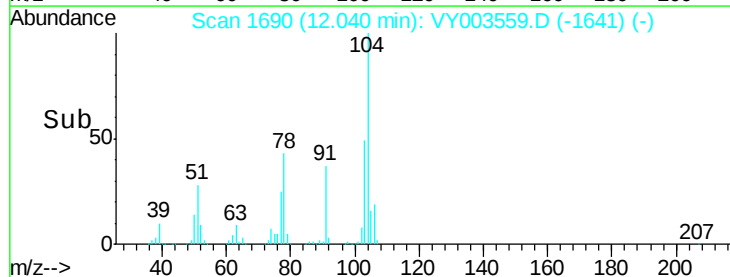
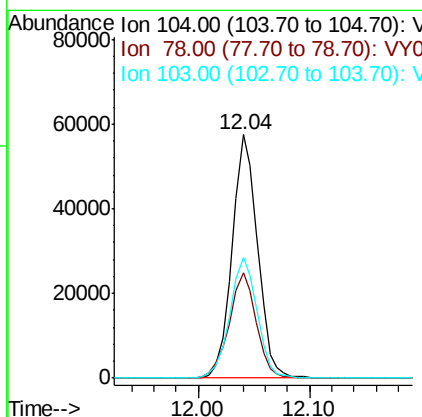
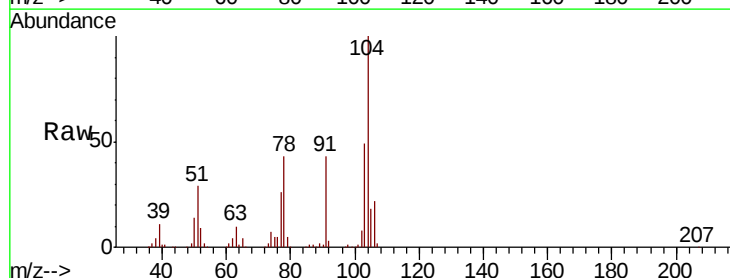
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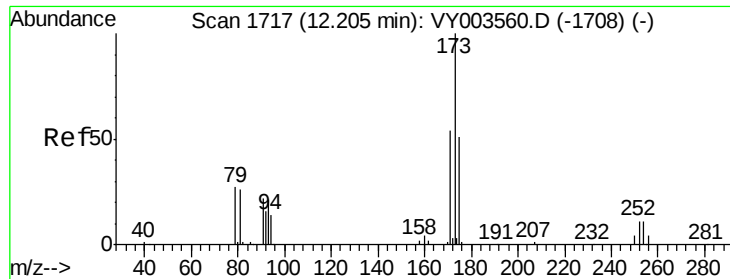
MMDadoda
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#70
Styrene
Concen: 20.238 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion:104 Resp: 90907
Ion Ratio Lower Upper
104 100
78 46.0 36.6 54.8
103 53.1 43.6 65.4





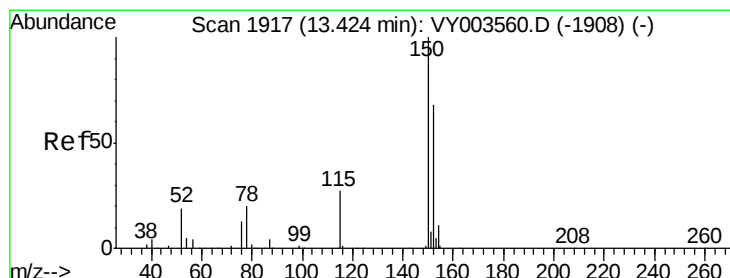
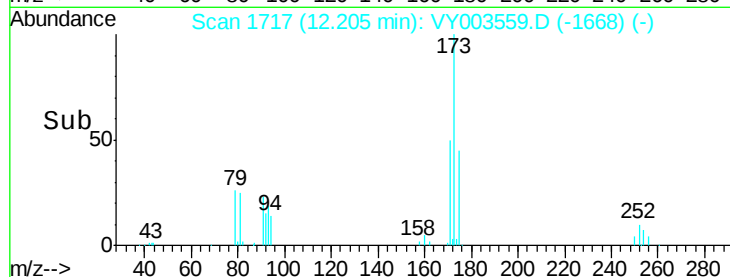
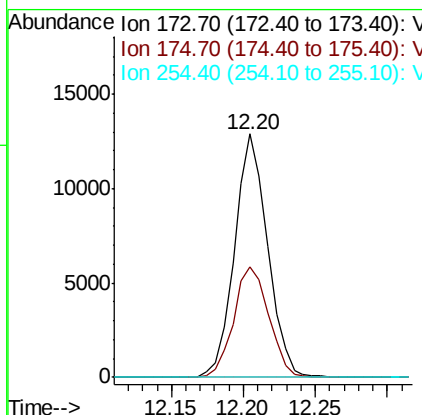
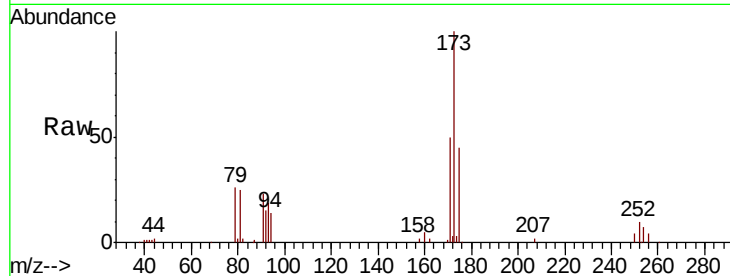
#71
Bromoform
Concen: 19.907 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.0	0.1	0.1#

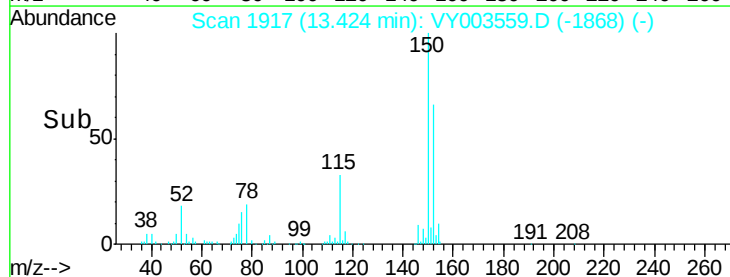
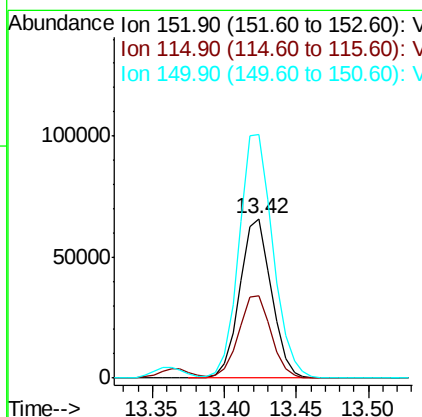
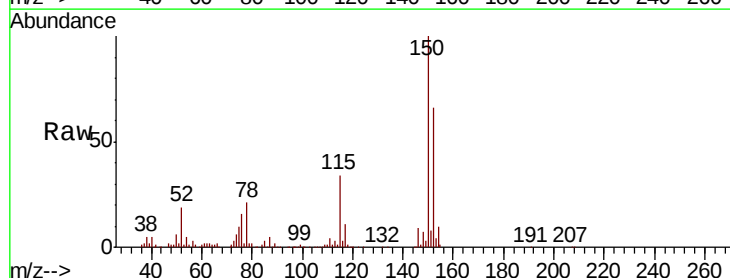
Manual Integrations
APPROVED

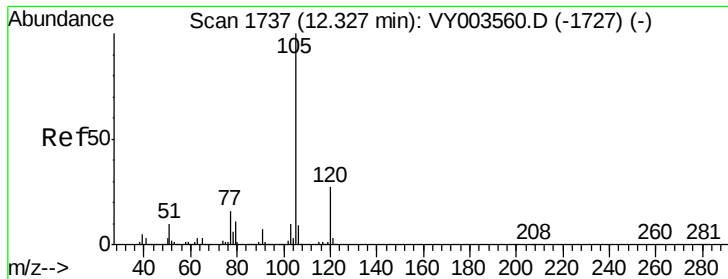
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	27.4	82.0
150	164.2	0.0	349.6





#73

Isopropylbenzene

Concen: 19.717 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 98290

Ion Ratio Lower Upper

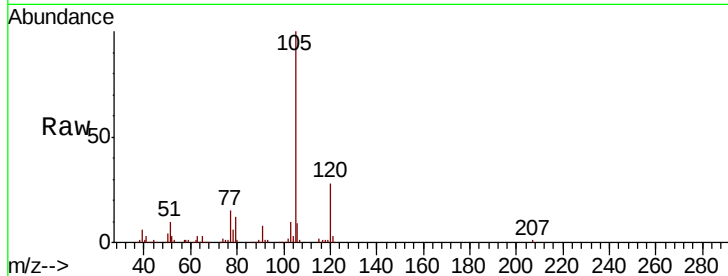
105 100

120 27.4 13.8 41.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

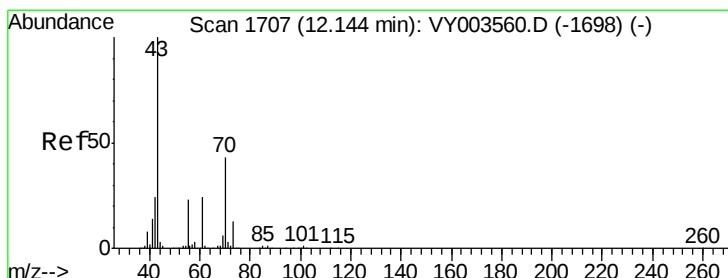
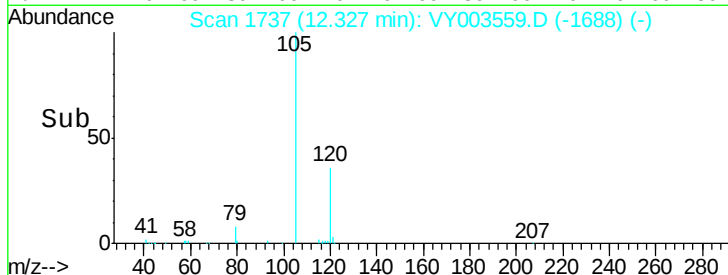
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 19.738 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion: 43 Resp: 38968

Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 24.9 18.6 28.0

61 22.6 18.6 28.0

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

40000

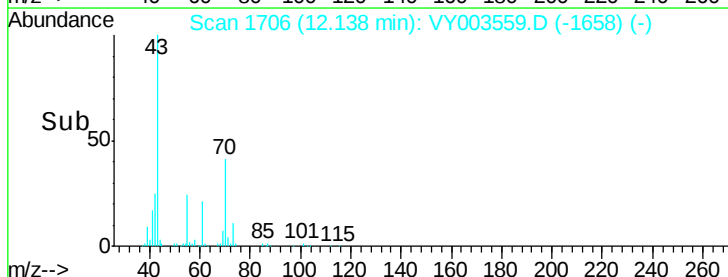
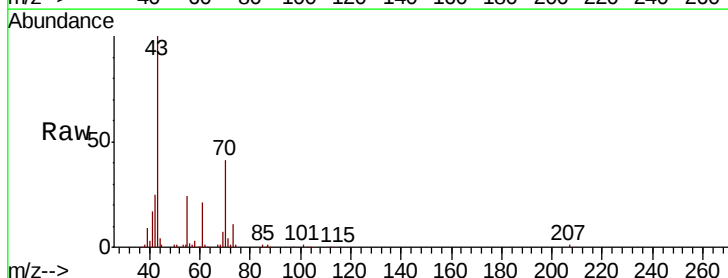
30000

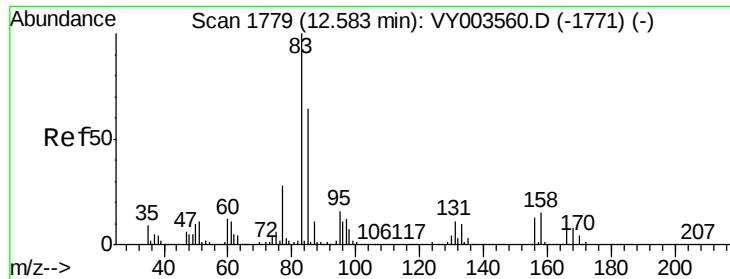
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.480 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

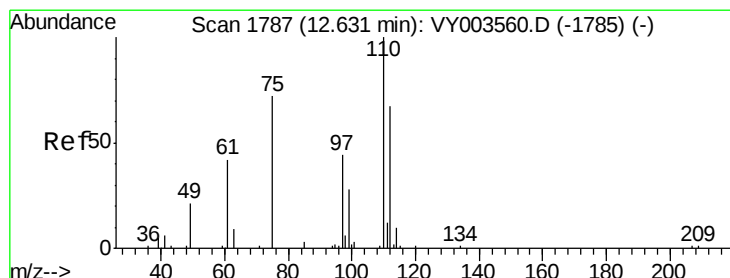
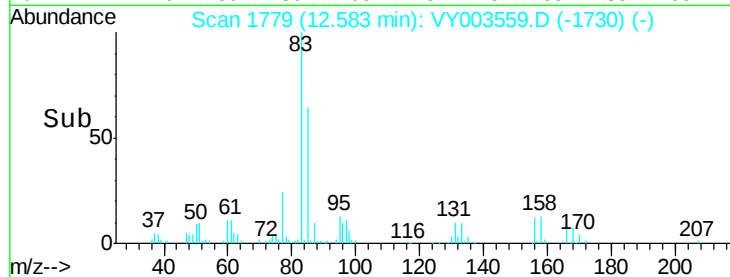
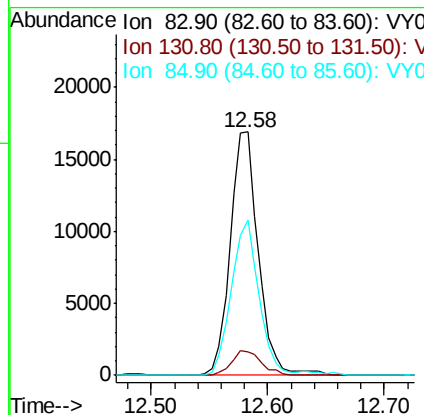
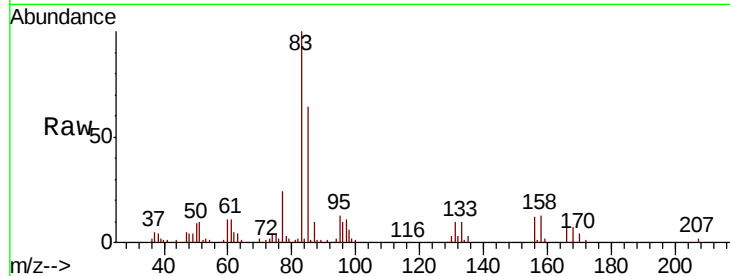
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	28410
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	62.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.989 ug/l m

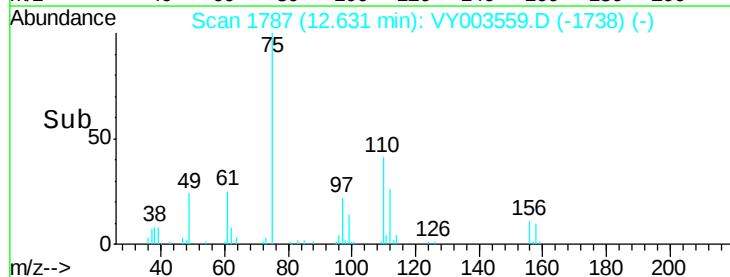
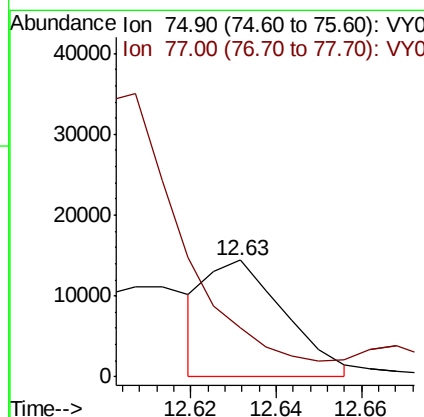
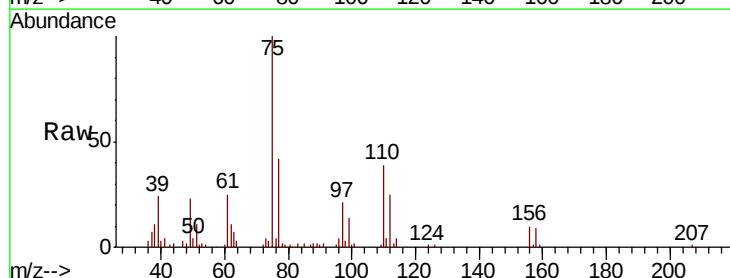
RT: 12.63 min Scan# 1787

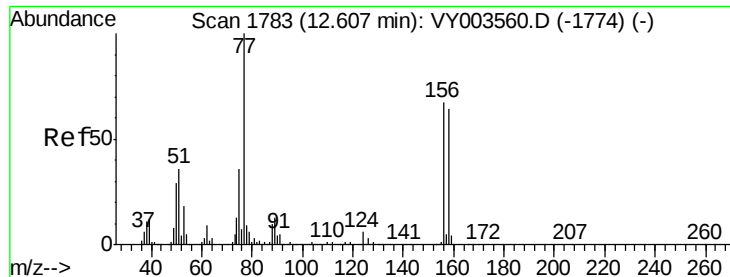
Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Tgt Ion:	75	Resp:	18356
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.514 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003559.D

Acq: 20 Nov 2020 10:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 37625

Ion Ratio Lower Upper

156 100

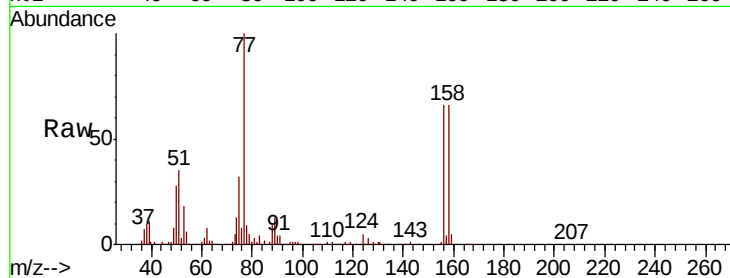
77 168.5 85.7 257.1

158 96.0 48.8 146.4

Manual Integrations
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MMDadoda

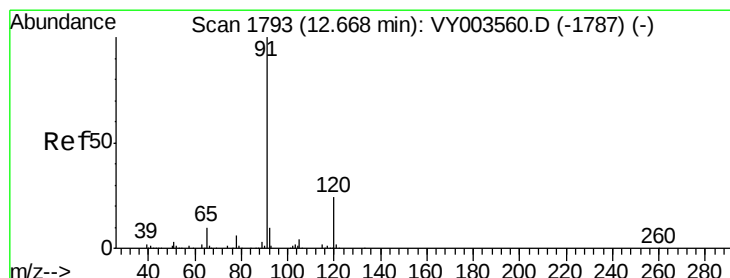
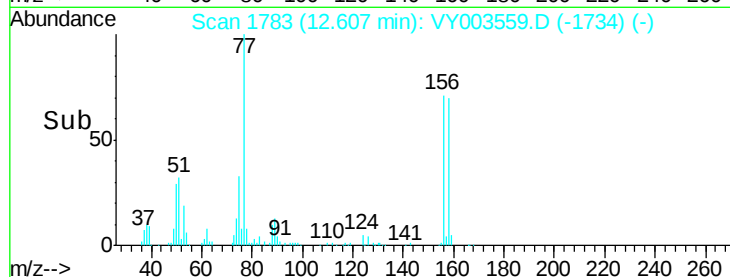
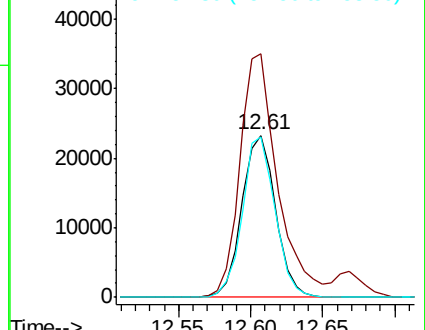
11/23/2020 1:39:24 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.182 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003559.D

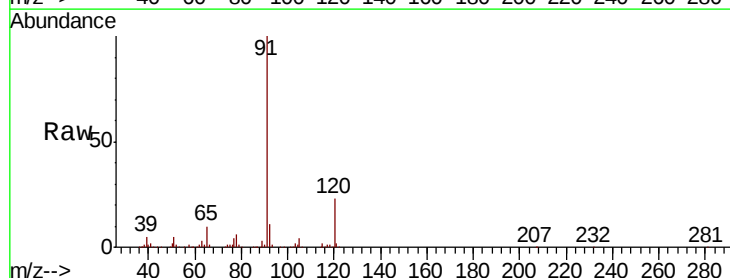
Acq: 20 Nov 2020 10:57

Tgt Ion: 91 Resp: 141344

Ion Ratio Lower Upper

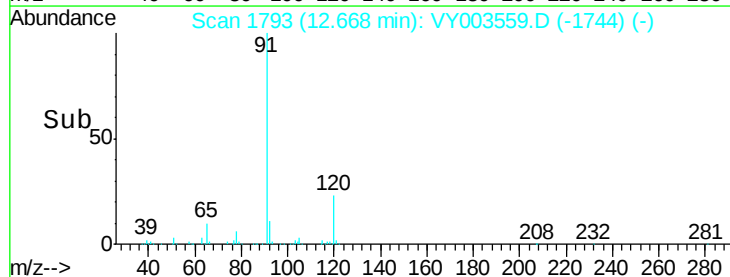
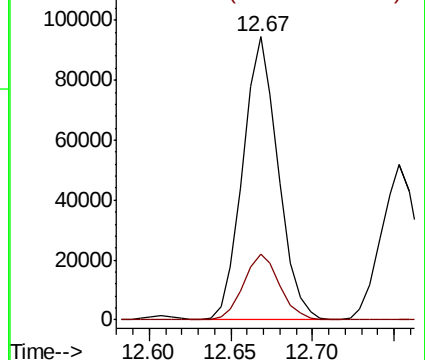
91 100

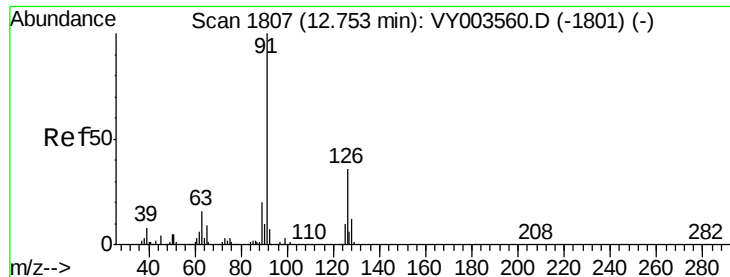
120 23.9 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





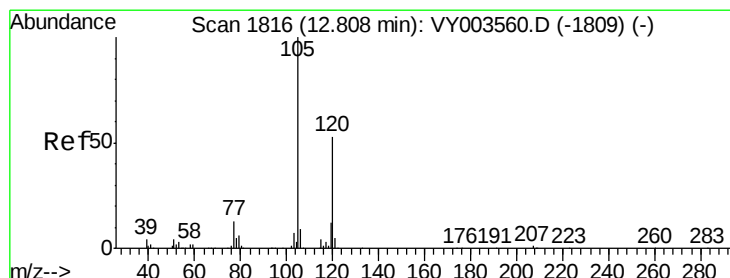
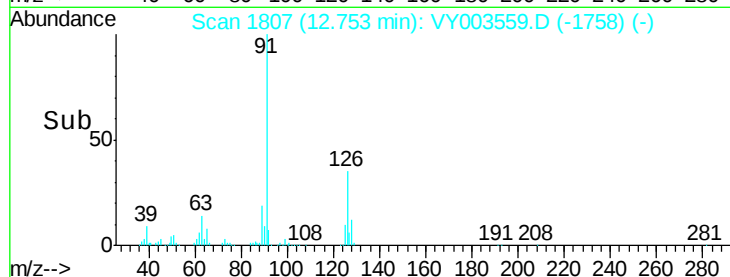
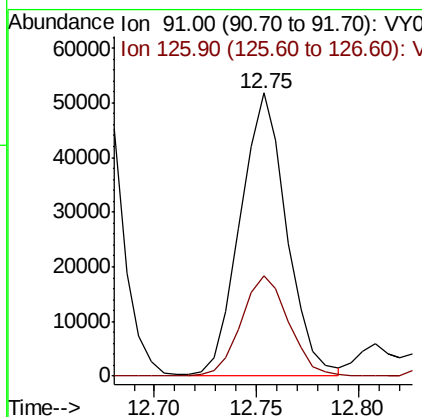
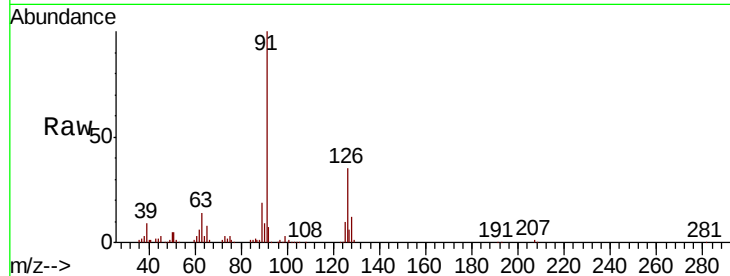
#79
 2-Chlorotoluene
 Concen: 20.132 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	36.6	18.1	54.3	

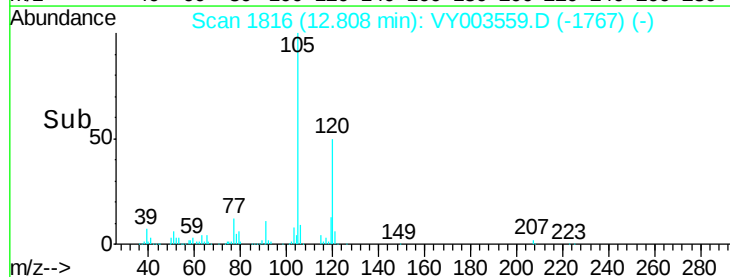
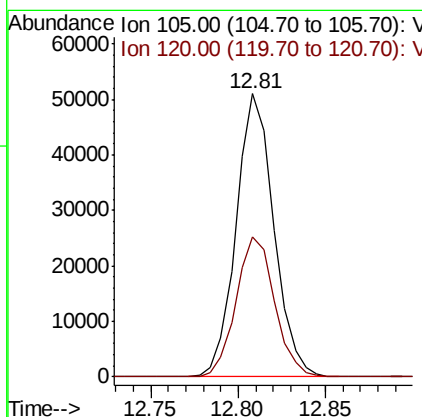
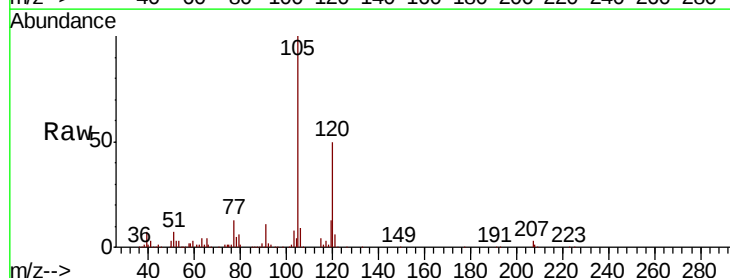
Manual Integrations
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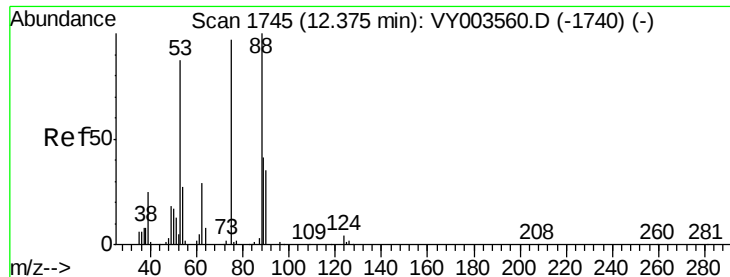
MMDadoda
 11/23/2020 1:39:24 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.437 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	50.5	26.3	78.8	





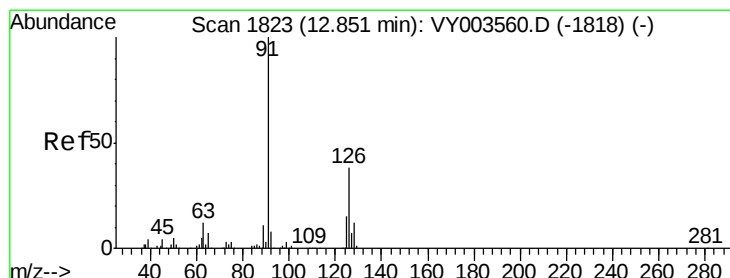
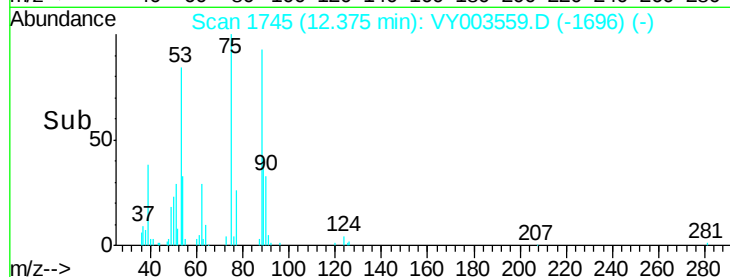
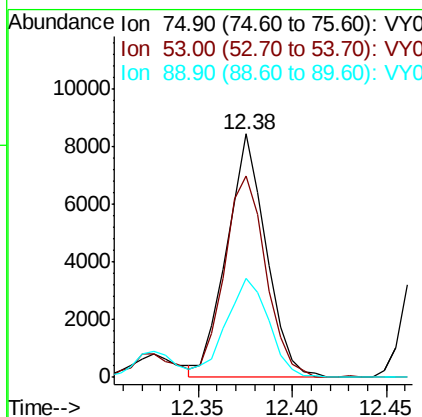
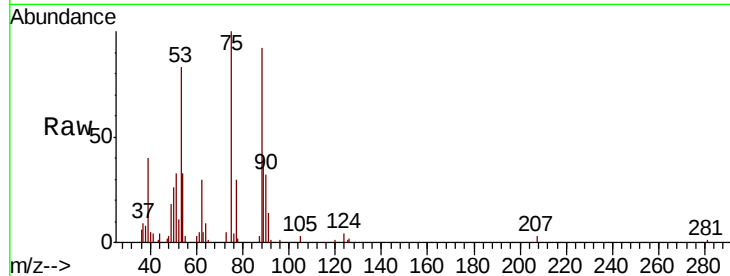
#81
trans-1,4-Dichloro-2-butene
Concen: 20.032 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	71.4	107.2
89	44.1	34.7	52.1

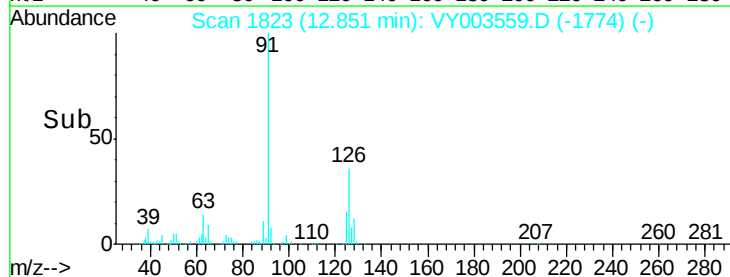
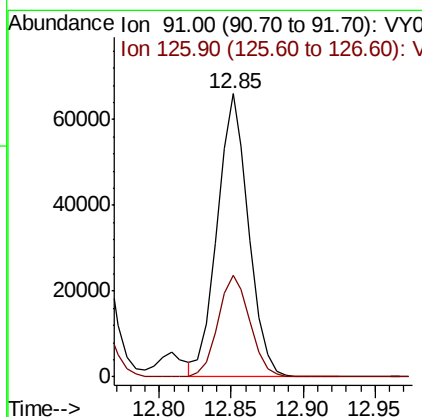
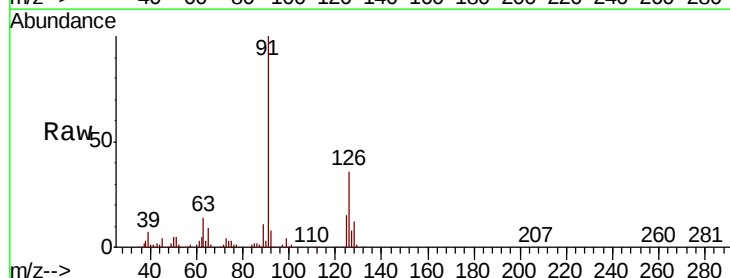
Manual Integrations
APPROVED

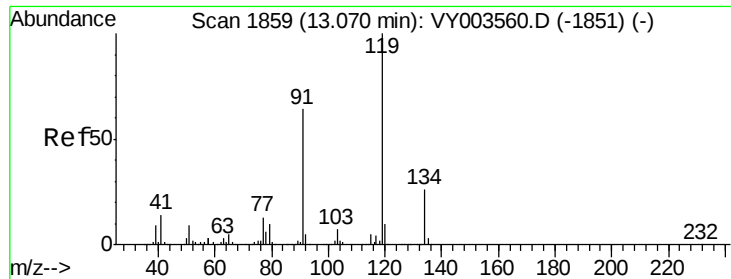
MMDadoda
11/23/2020 1:39:24 PM



#82
4-Chlorotoluene
Concen: 20.205 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.3





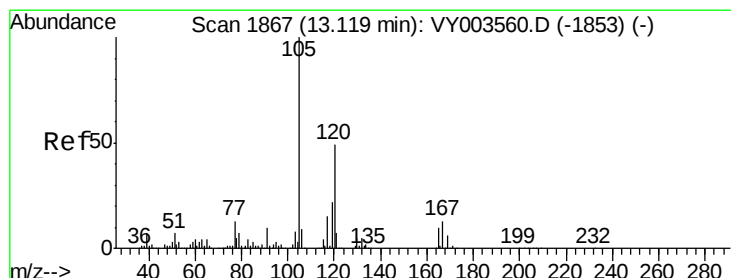
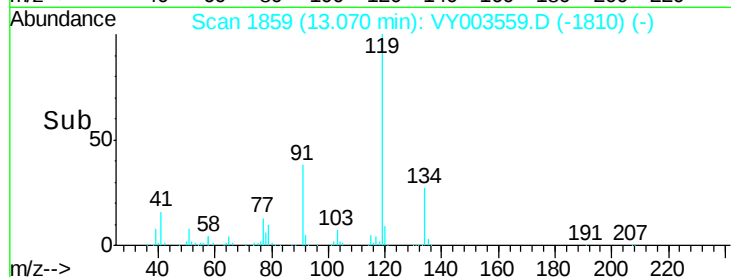
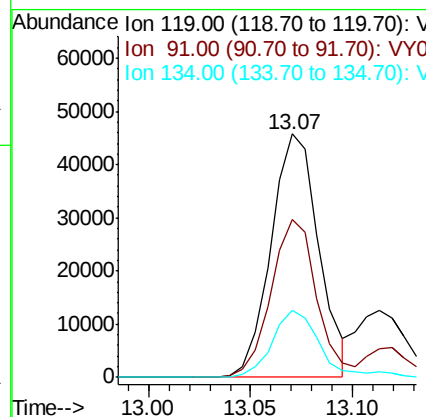
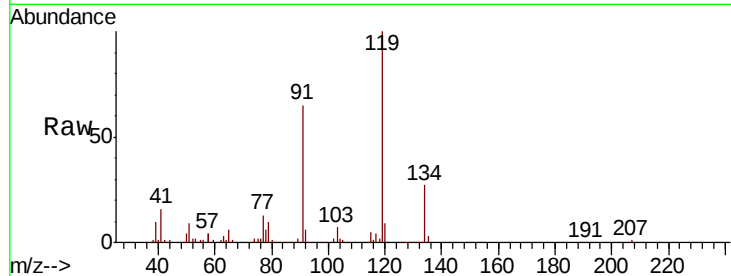
#83
tert-Butylbenzene
Concen: 19.734 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.8	95.3
134	27.8	14.1	42.2

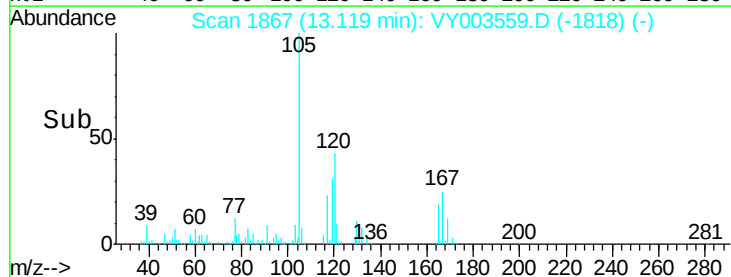
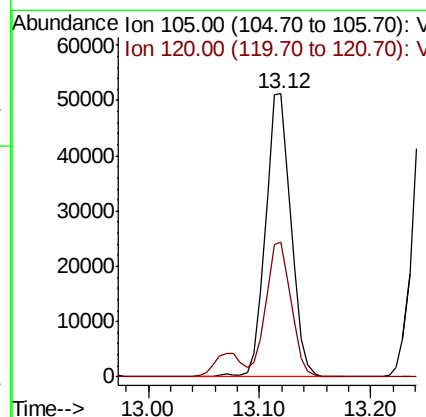
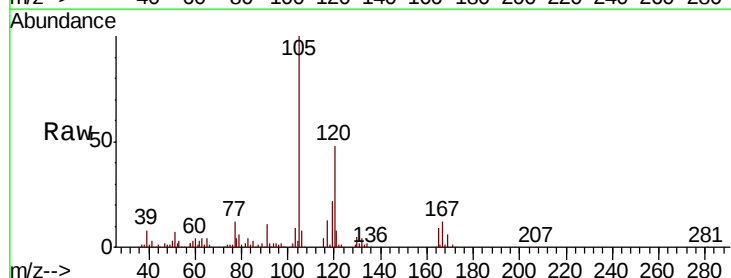
Manual Integrations
APPROVED

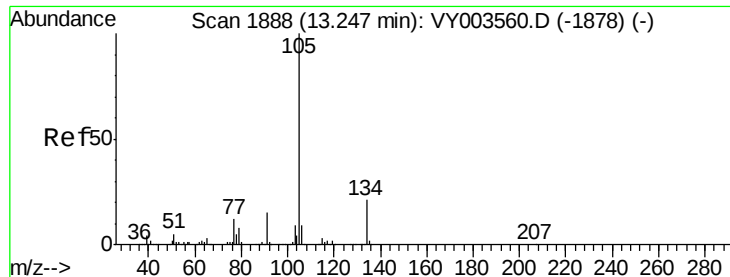
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.473 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.4





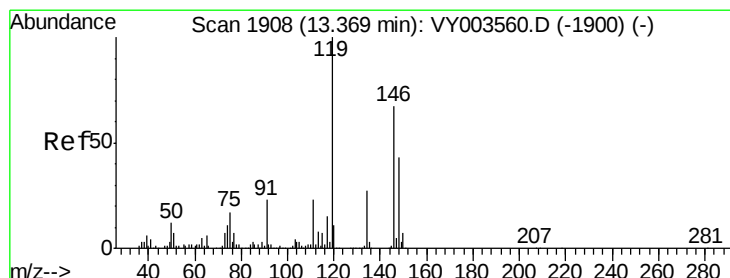
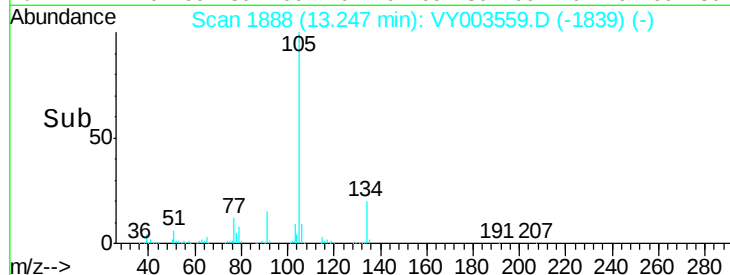
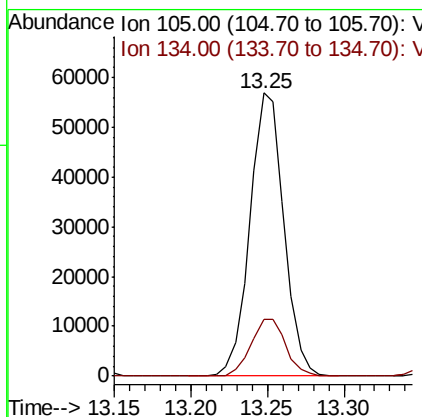
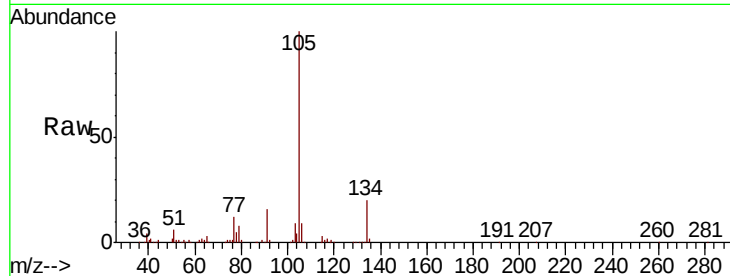
#85
 sec-Butylbenzene
 Concen: 20.390 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

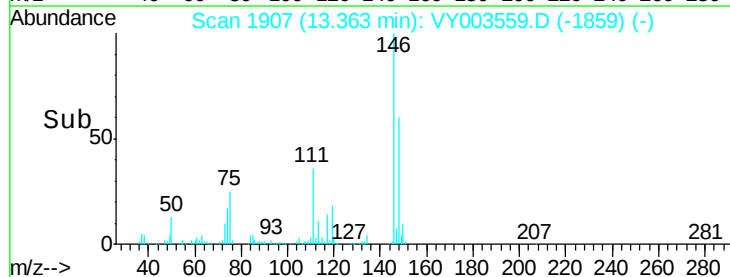
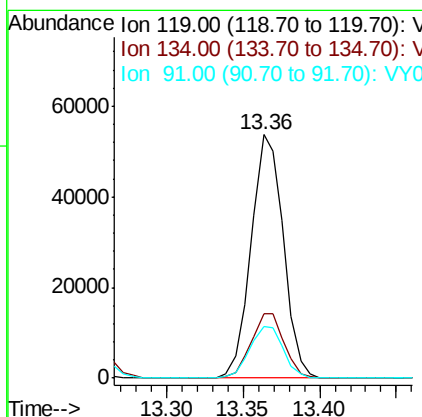
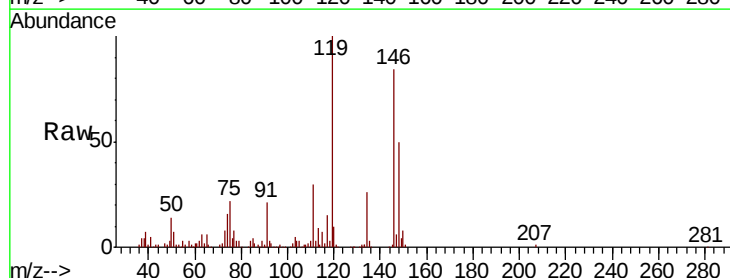
Manual Integrations
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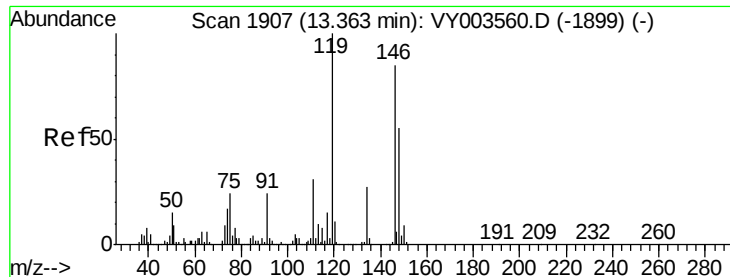
MMDadoda
 11/23/2020 1:39:24 PM



#86
 p-Isopropyltoluene
 Concen: 20.481 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.8	41.4
91	22.2	11.4	34.2





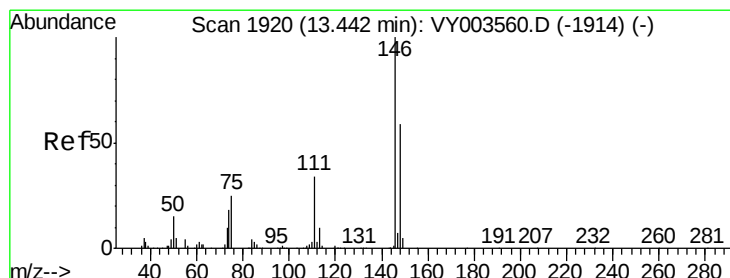
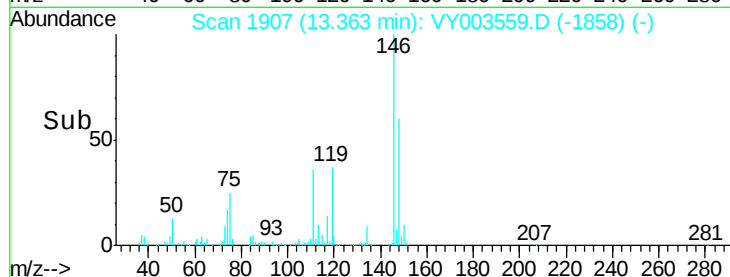
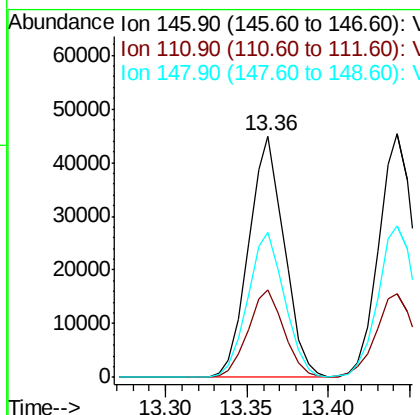
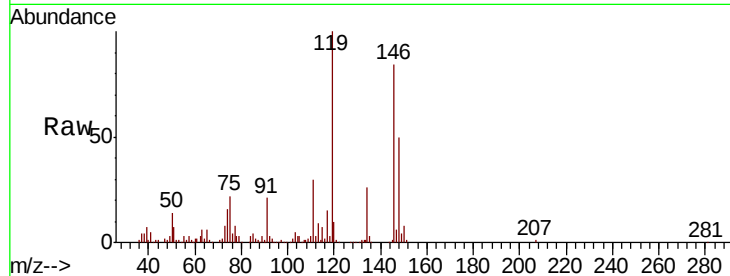
#87
 1,3-Dichlorobenzene
 Concen: 20.415 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	62.1	31.9	95.7

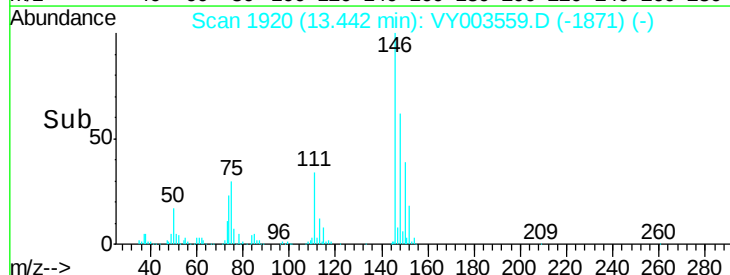
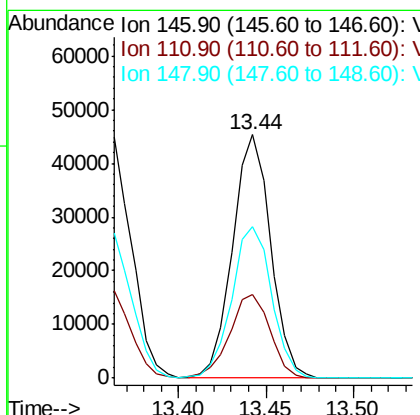
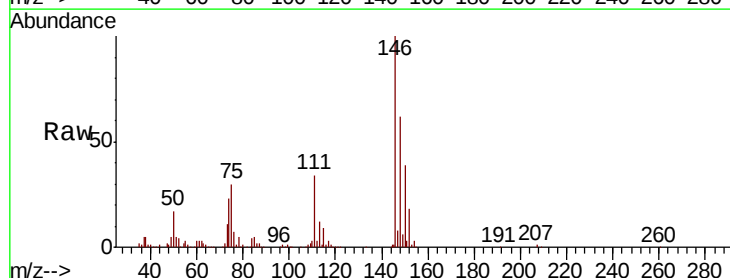
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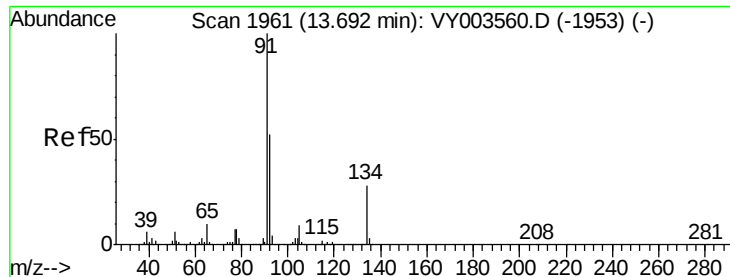
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 11/23/2020 1:39:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.058 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.8	53.4
148	65.3	31.1	93.2





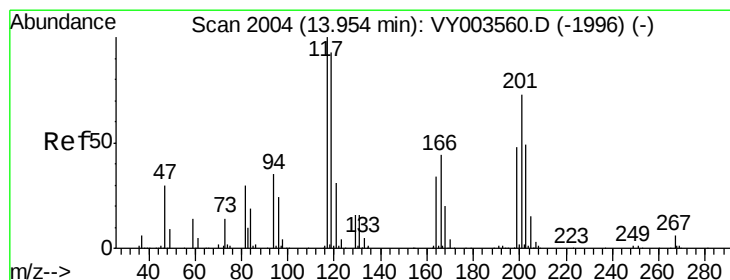
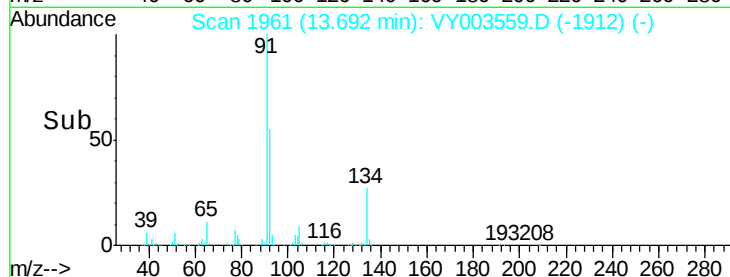
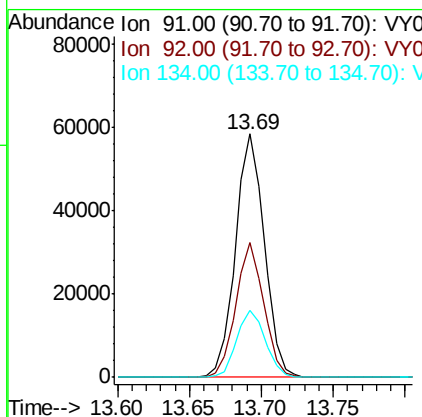
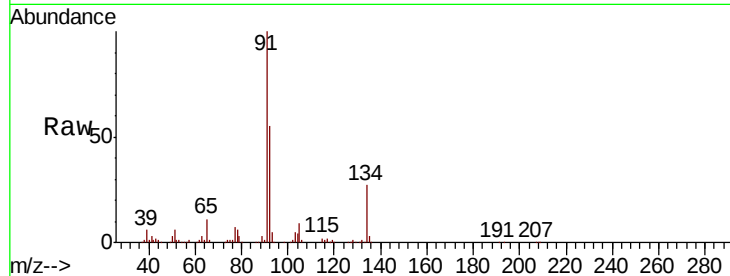
#89
n-Butylbenzene
Concen: 19.813 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.0
134	27.7	13.9	41.7

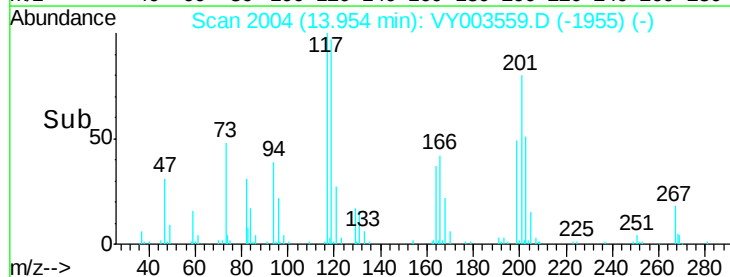
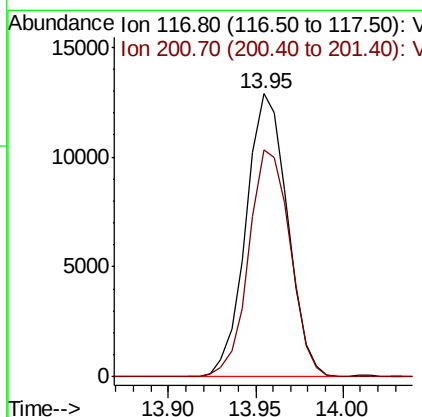
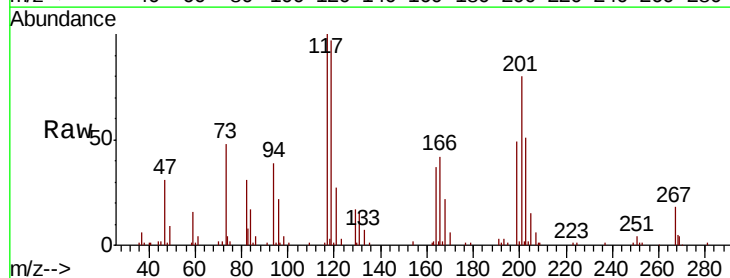
Manual Integrations
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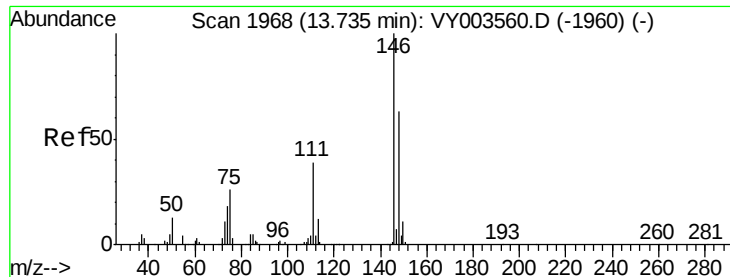
MMDadoda
11/23/2020 1:39:24 PM



#90
Hexachloroethane
Concen: 20.850 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	41.3	123.9





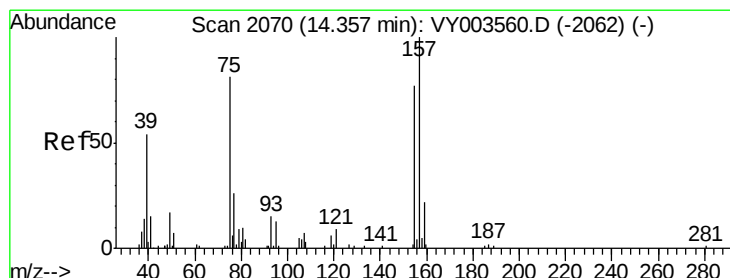
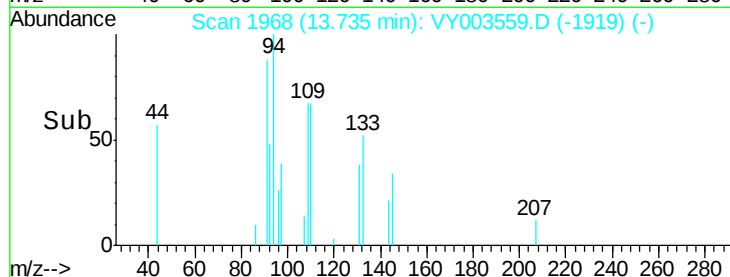
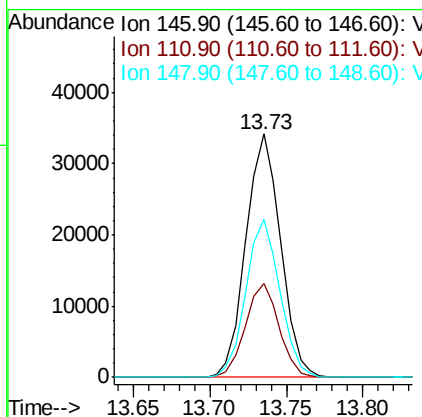
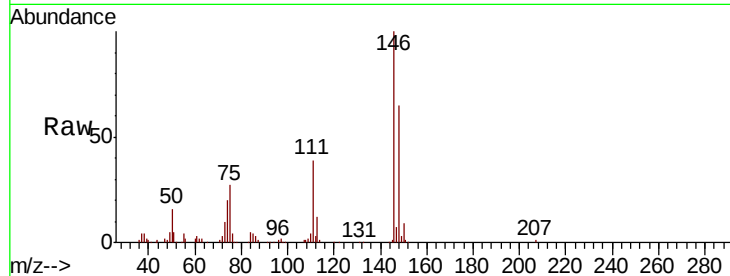
#91
 1,2-Dichlorobenzene
 Concen: 20.249 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.9	31.9	95.7

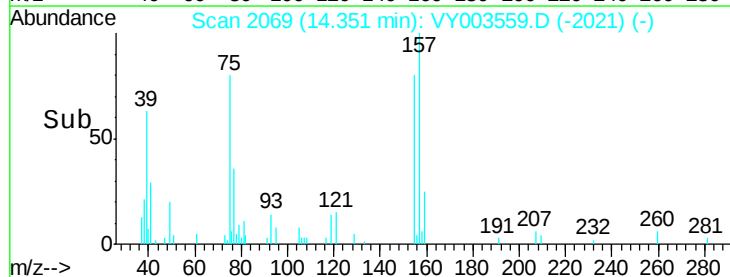
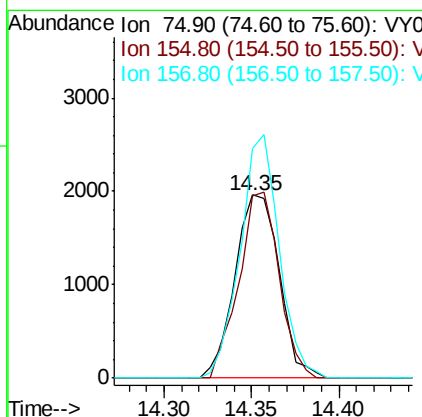
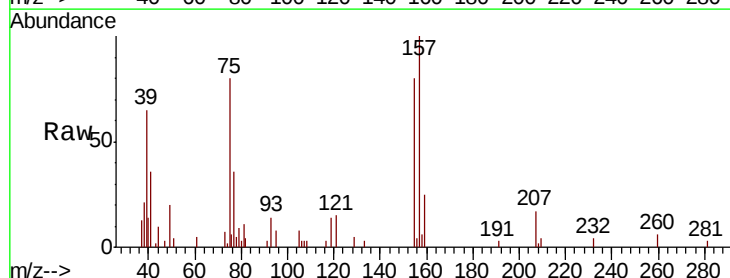
Manual Integrations
 APPROVED

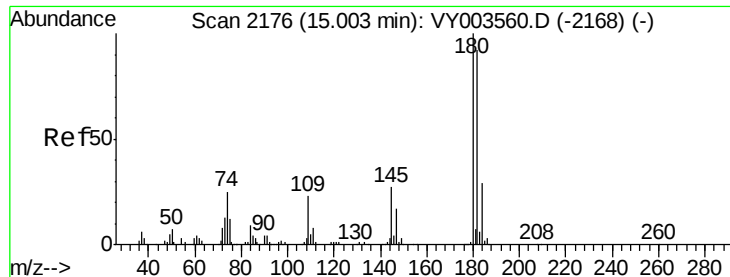
MMDadoda
 11/23/2020 1:39:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.183 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	45.4	136.2
157	116.8	59.7	179.1





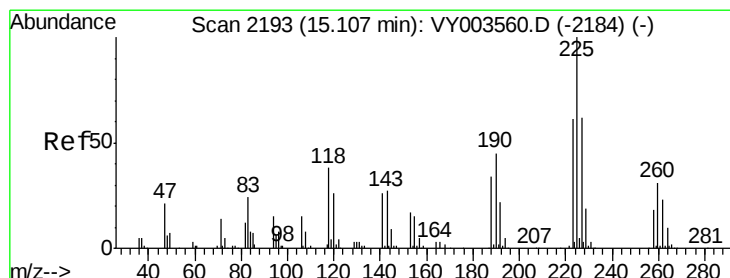
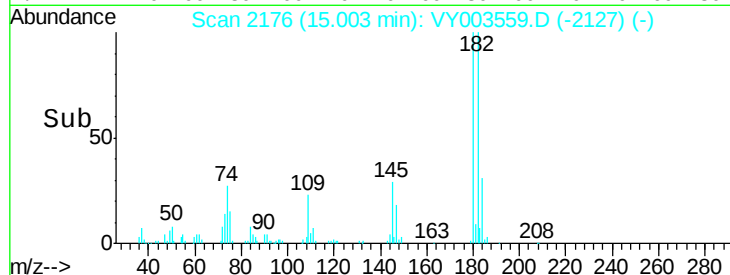
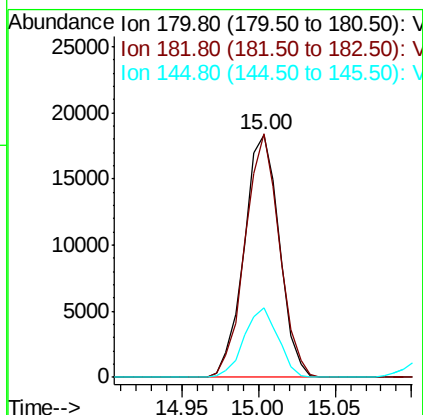
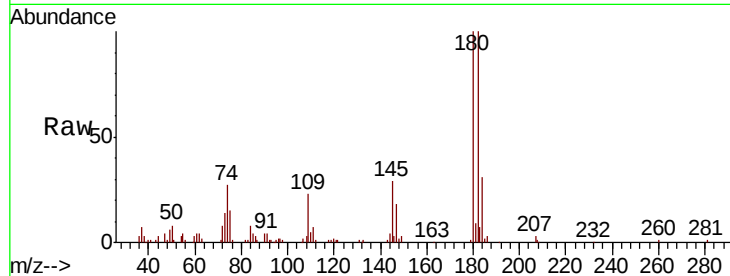
#93
 1,2,4-Trichlorobenzene
 Concen: 19.646 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.3
145	27.8	14.1	42.4

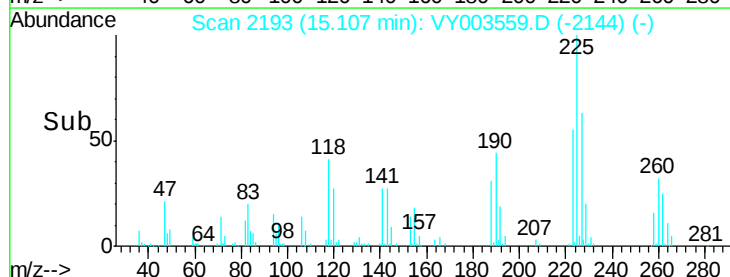
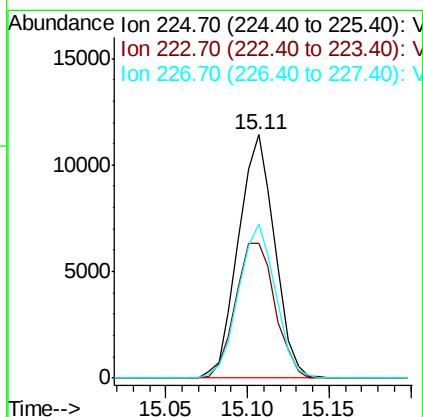
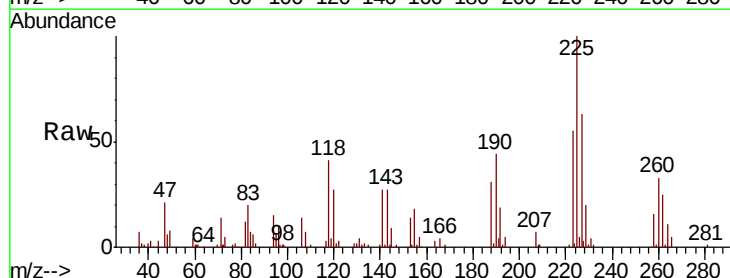
Manual Integrations
 APPROVED

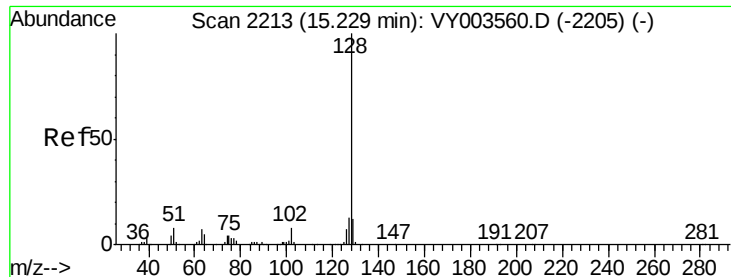
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.825 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY003559.D
 Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	32.0	96.0
227	64.5	31.6	94.7





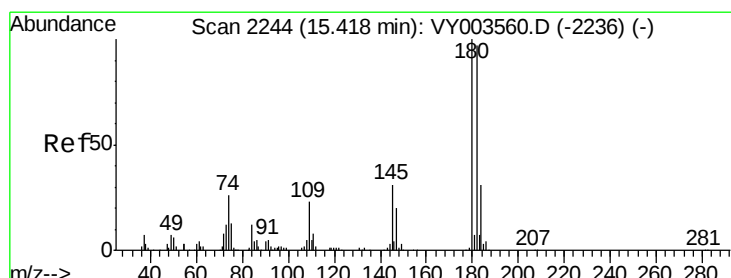
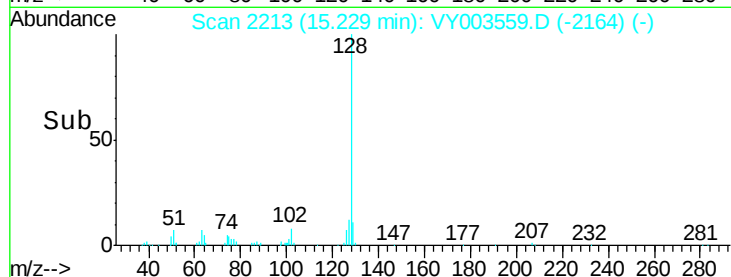
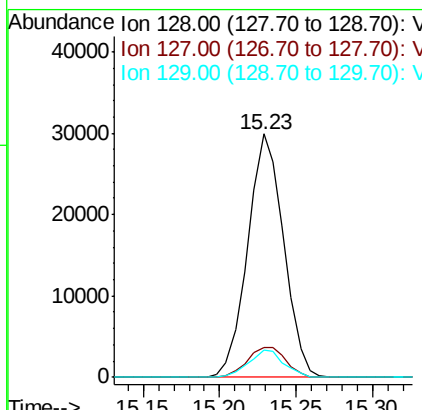
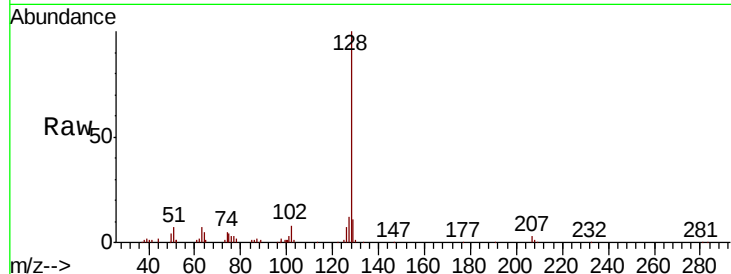
#95
Naphthalene
Concen: 19.185 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.1	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
11/23/2020 1:39:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.731 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY003559.D
Acq: 20 Nov 2020 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.4	142.2
145	29.2	15.5	46.5

