

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003457.D
 Acq On : 05 Oct 2020 16:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:42 PM

Quant Time: Oct 06 04:13:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 06 04:02:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	506380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	713693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	684374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	382216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	513404	106.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.14%	
35) Dibromofluoromethane	7.72	113	448943	106.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.72%	
50) Toluene-d8	10.18	98	1848006	111.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.46%	
62) 4-Bromofluorobenzene	12.48	95	654834	114.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	407248	99.711	ug/l	100
3) Chloromethane	2.12	50	559409	99.426	ug/l	99
4) Vinyl Chloride	2.25	62	622456	109.485	ug/l	98
5) Bromomethane	2.64	94	489876	111.051	ug/l	98
6) Chloroethane	2.79	64	347452	97.427	ug/l	99
7) Trichlorofluoromethane	3.13	101	702773	92.662	ug/l	99
8) Diethyl Ether	3.53	74	235318	89.760	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	389493	86.906	ug/l	99
10) Methyl Iodide	4.10	142	355136	73.876	ug/l	100
11) Tert butyl alcohol	4.96	59	216337	418.138	ug/l	99
12) 1,1-Dichloroethene	3.88	96	389223	89.396	ug/l	97
13) Acrolein	3.73	56	219364	434.958	ug/l	99
14) Allyl chloride	4.49	41	699787	94.668	ug/l	99
15) Acrylonitrile	5.18	53	565926	435.979	ug/l	98
16) Acetone	3.95	43	614398	512.559	ug/l	99
17) Carbon Disulfide	4.20	76	1256677	88.391	ug/l	99
18) Methyl Acetate	4.48	43	279165	89.144	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	1059870	88.240	ug/l	97
20) Methylene Chloride	4.72	84	448759	56.490	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	454282	91.524	ug/l	98
22) Diisopropyl ether	6.13	45	1312776	86.060	ug/l	98
23) Vinyl Acetate	6.07	43	4925896	484.740	ug/l	99
24) 1,1-Dichloroethane	6.02	63	798184	92.150	ug/l	99
25) 2-Butanone	6.99	43	884422	489.269	ug/l	98
26) 2,2-Dichloropropane	6.99	77	719678	93.008	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	510950	93.600	ug/l	99
28) Bromochloromethane	7.34	49	411744	116.017	ug/l	100
29) Tetrahydrofuran	7.35	42	514260	443.969	ug/l	99
30) Chloroform	7.51	83	818267	94.859	ug/l	98
31) Cyclohexane	7.78	56	686981	82.838	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	749957	95.173	ug/l	100
36) 1,1-Dichloropropene	7.92	75	650180	97.120	ug/l	100
37) Ethyl Acetate	7.08	43	384353	100.040	ug/l	99
38) Carbon Tetrachloride	7.91	117	686568	99.330	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	749123	92.855	ug/l	99
40) Benzene	8.16	78	1863286	99.794	ug/l	100
41) Methacrylonitrile	7.33	41	244689m	114.151	ug/l	
42) 1,2-Dichloroethane	8.24	62	585518	102.100	ug/l	100
43) Isopropyl Acetate	8.28	43	737746	101.607	ug/l	99
44) Trichloroethene	8.94	130	540662	100.492	ug/l	99
45) 1,2-Dichloropropane	9.22	63	473910	97.423	ug/l	98
46) Dibromomethane	9.30	93	267424	97.549	ug/l	99
47) Bromodichloromethane	9.50	83	659441	100.055	ug/l	99
48) Methyl methacrylate	9.29	41	356504	107.725	ug/l	99
49) 1,4-Dioxane	9.30	88	62265	1779.072	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1962051	513.769	ug/l	98
52) Toluene	10.24	92	1220510	103.853	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	722953	102.637	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	797761	100.367	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	385813	100.443	ug/l	97
56) Ethyl methacrylate	10.51	69	550328	103.562	ug/l	99
57) 1,3-Dichloropropane	10.79	76	671102	100.264	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1391914	552.643	ug/l	100
59) 2-Hexanone	10.83	43	1417042	531.459	ug/l	99
60) Dibromochloromethane	10.99	129	495955	102.544	ug/l	100
61) 1,2-Dibromoethane	11.09	107	372236	99.730	ug/l	100
64) Tetrachloroethene	10.72	164	600523	104.331	ug/l	97
65) Chlorobenzene	11.52	112	1346069	100.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	519498	100.035	ug/l	99
67) Ethyl Benzene	11.59	91	2464253	102.364	ug/l	99
68) m/p-Xylenes	11.70	106	1885559	207.297	ug/l	99
69) o-Xylene	12.03	106	886493	104.220	ug/l	99
70) Styrene	12.04	104	1529175	104.904	ug/l	100
71) Bromoform	12.20	173	347745	102.708	ug/l #	99
73) Isopropylbenzene	12.33	105	2424841	99.307	ug/l	100
74) N-amyl acetate	12.14	43	705169	98.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	452654	94.008	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	317216m	93.198	ug/l	
77) Bromobenzene	12.61	156	628008	100.757	ug/l	99
78) n-propylbenzene	12.67	91	2850631	97.806	ug/l	100
79) 2-Chlorotoluene	12.75	91	1589940	97.961	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2051915	99.660	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	177150	98.464	ug/l	98
82) 4-Chlorotoluene	12.85	91	1669486	98.930	ug/l	100
83) tert-Butylbenzene	13.07	119	1776342	99.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	2088620	101.063	ug/l	99
85) sec-Butylbenzene	13.25	105	2450041	98.761	ug/l	100
86) p-Isopropyltoluene	13.36	119	2356687	101.171	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1208973	101.297	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	1175898	100.074	ug/l	99
89) n-Butylbenzene	13.69	91	2122158	97.145	ug/l	99
90) Hexachloroethane	13.95	117	369577	85.487	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	1072279	101.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	82800	104.025	ug/l	99

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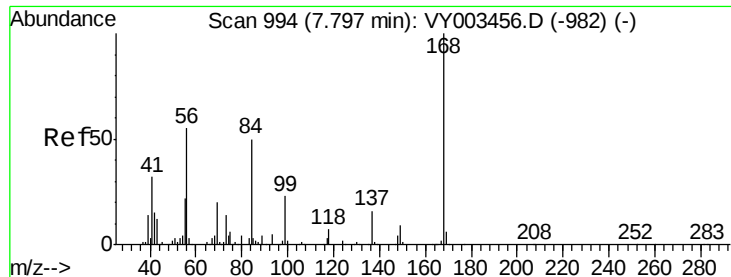
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	792746	105.359	ug/l	99
94) Hexachlorobutadiene	15.11	225	498926	100.534	ug/l	99
95) Naphthalene	15.23	128	1473800	114.526	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	696651	113.217	ug/l	100

(#) = 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: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 506380

Ion Ratio Lower Upper

168 100

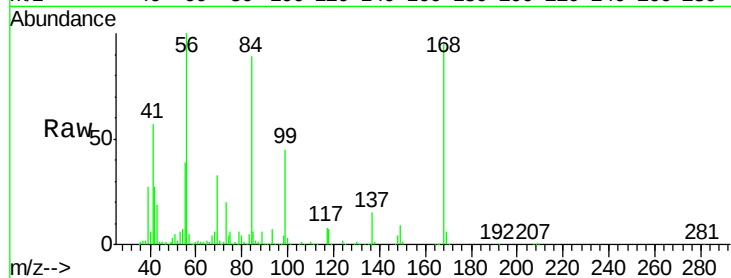
99 47.6 40.4 60.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003456.D (-982) (-)

Ion 98.90 (98.60 to 99.60): VY003456.D (-982) (-)

7.80

250000

200000

150000

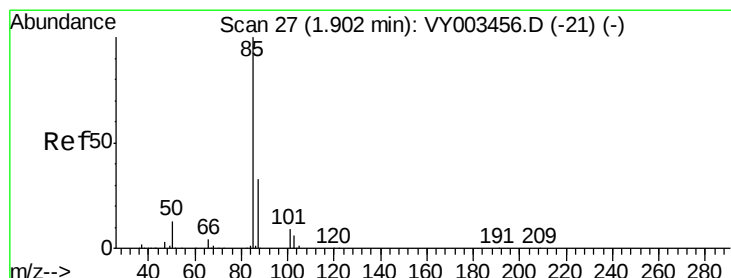
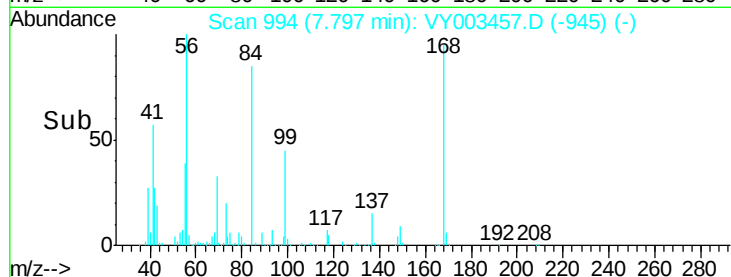
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 99.711 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003457.D

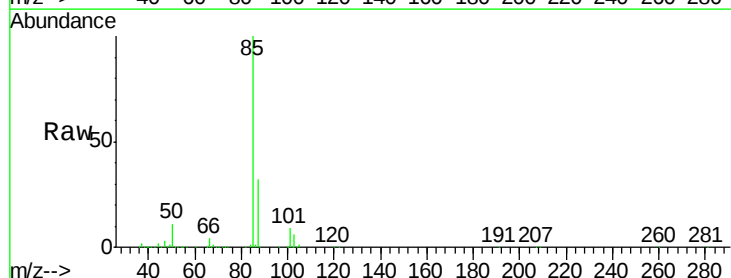
Acq: 05 Oct 2020 16:34

Tgt Ion: 85 Resp: 407248

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY003456.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003456.D (-21) (-)

1.90

300000

250000

200000

150000

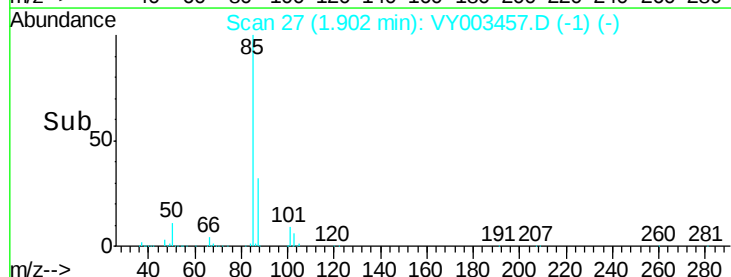
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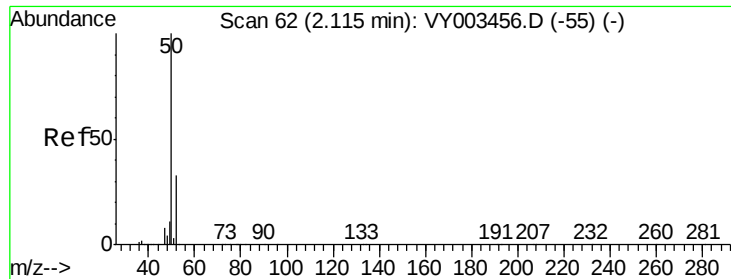
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 99.426 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 559409

Ion Ratio Lower Upper

50 100

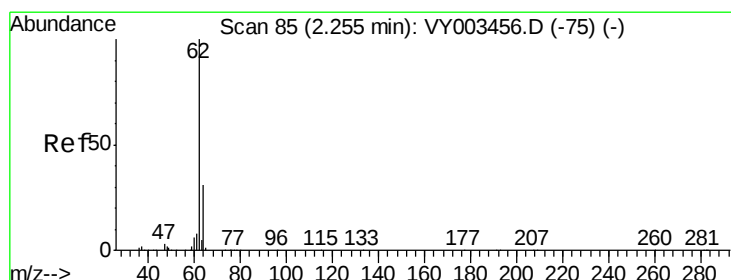
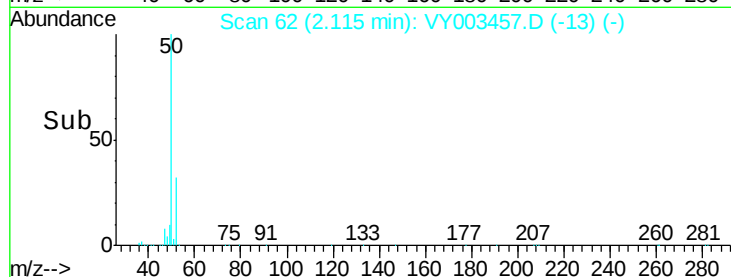
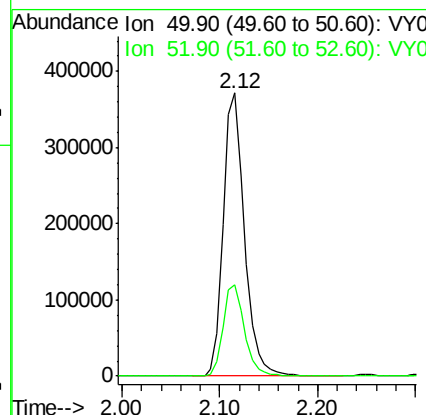
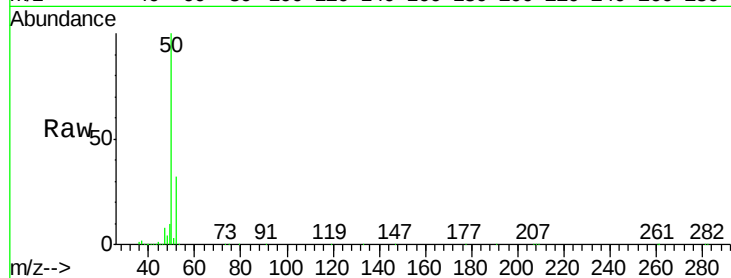
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 109.485 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY003457.D

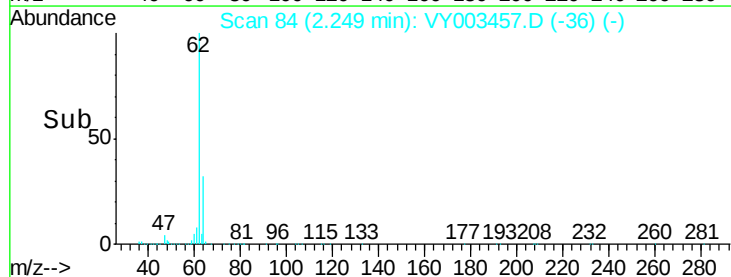
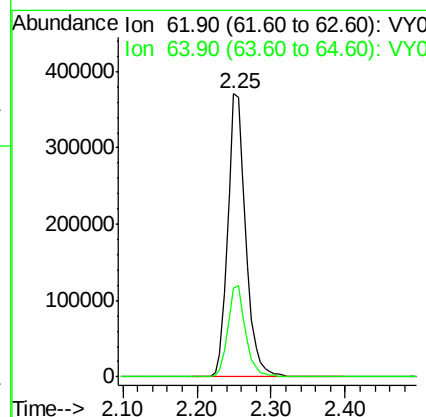
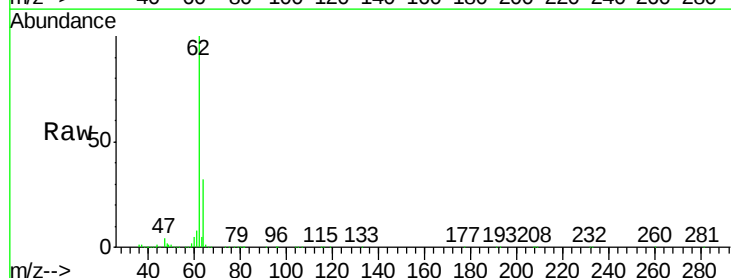
Acq: 05 Oct 2020 16:34

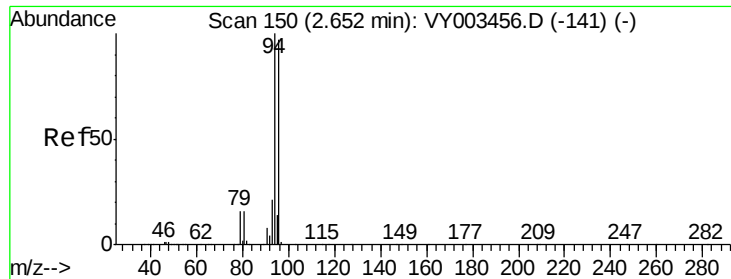
Tgt Ion: 62 Resp: 622456

Ion Ratio Lower Upper

62 100

64 31.5 24.6 36.8





#5

Bromomethane

Concen: 111.051 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 489876

Ion Ratio Lower Upper

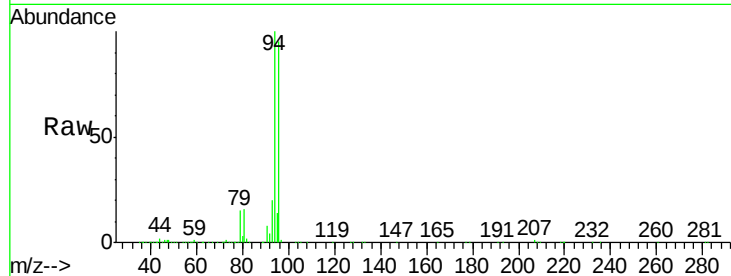
94 100

96 94.8 77.4 116.2

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.64

200000

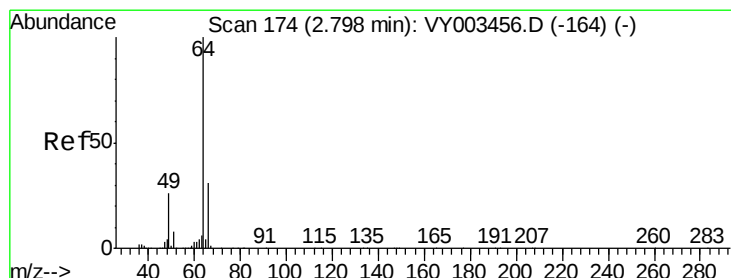
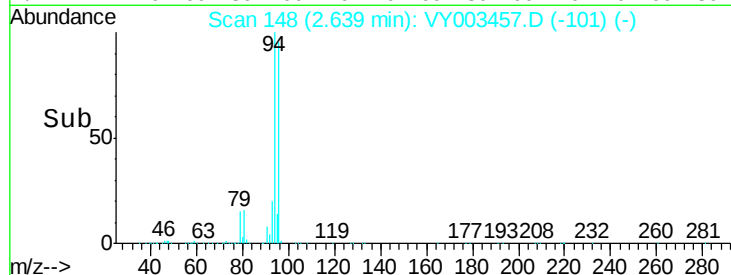
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 97.427 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003457.D

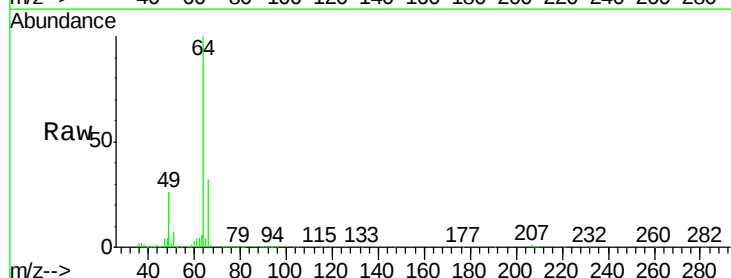
Acq: 05 Oct 2020 16:34

Tgt Ion: 64 Resp: 347452

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

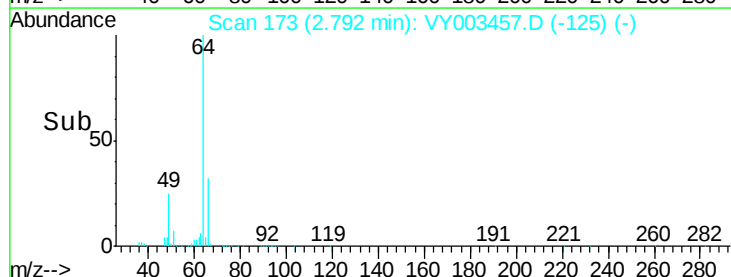
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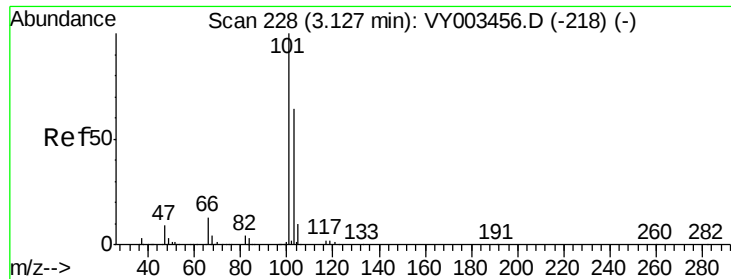
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50000

0

Time-->





#7

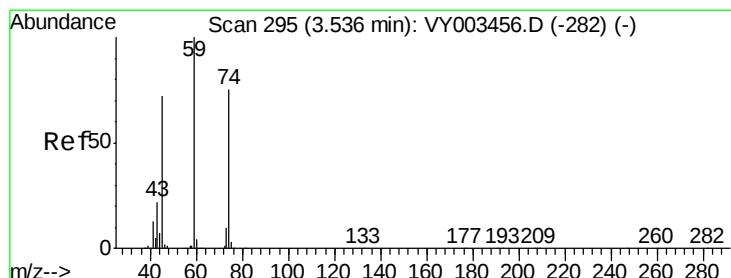
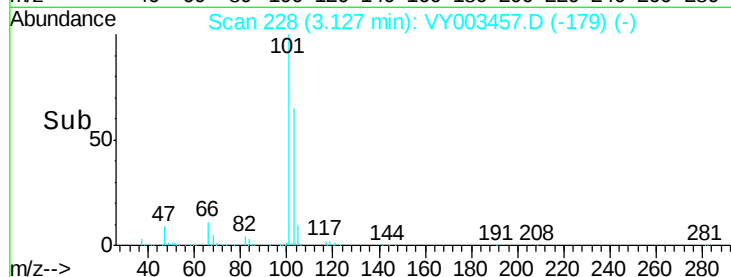
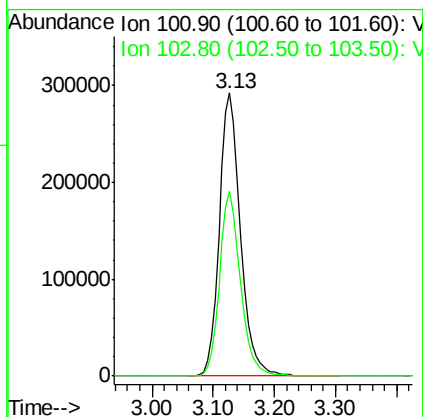
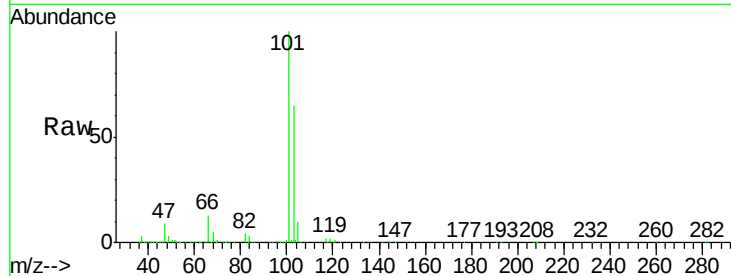
Trichlorofluoromethane
 Concen: 92.662 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		702773		
103	65.2	51.6	77.4		

Manual Integrations
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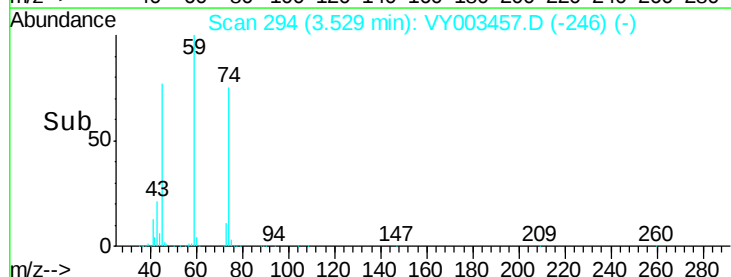
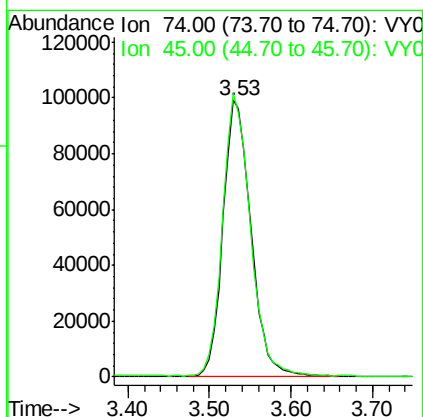
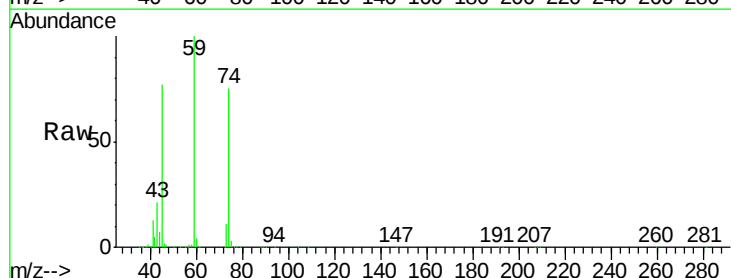
MMDadoda
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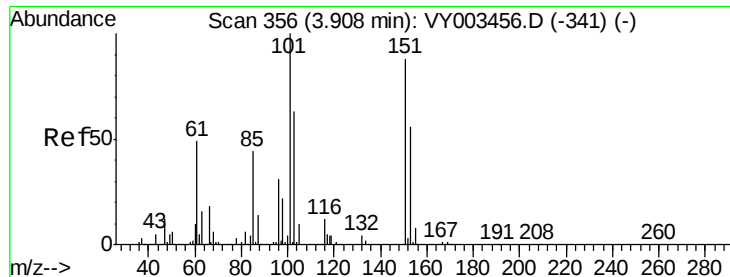


#8

Diethyl Ether
 Concen: 89.760 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		235318		
45	101.0	50.9	152.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 86.906 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

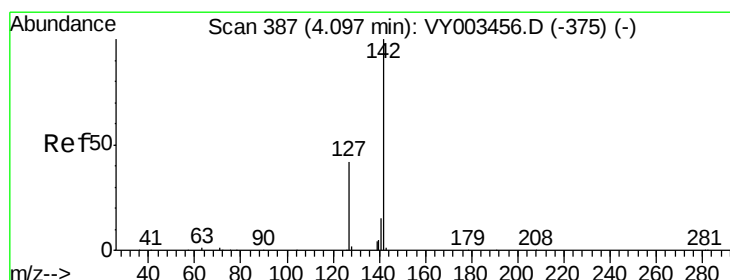
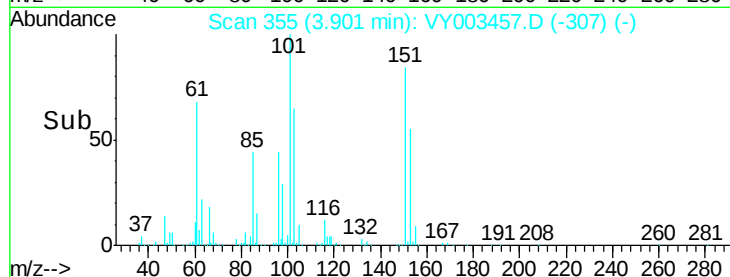
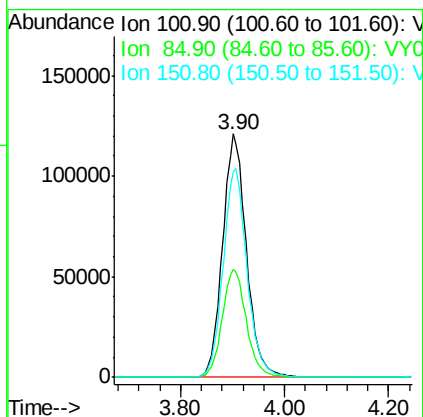
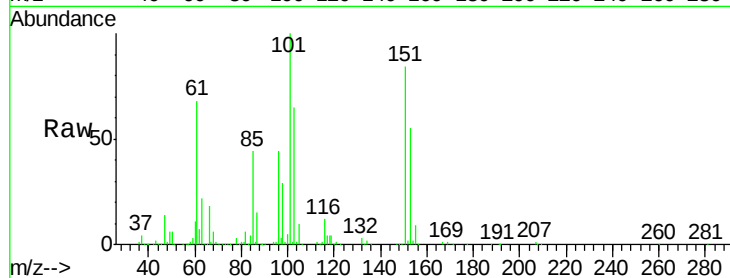
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	389493
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.5	53.3
151	86.2	67.9	101.9

Manual Integrations
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#10

Methyl Iodide

Concen: 73.876 ug/l

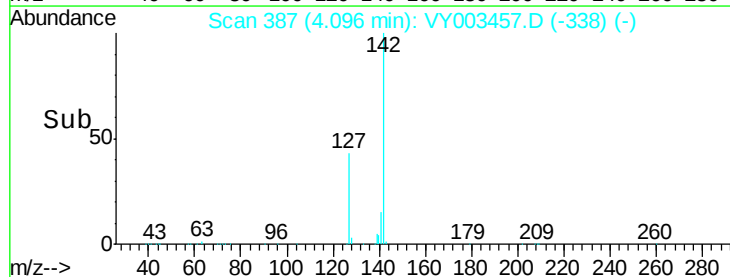
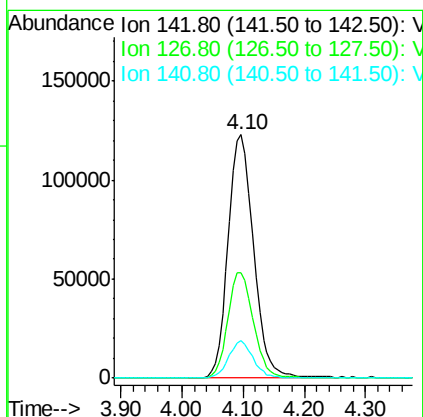
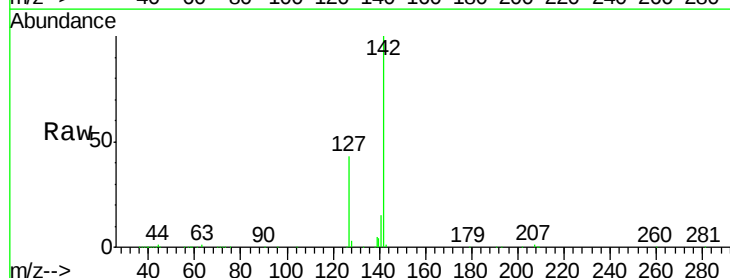
RT: 4.10 min Scan# 387

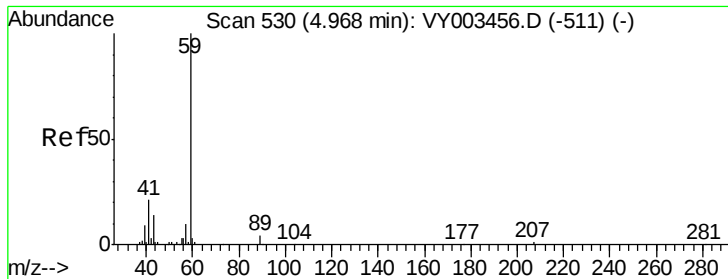
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	142	Resp:	355136
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.9	52.3
141	14.6	11.9	17.9





#11

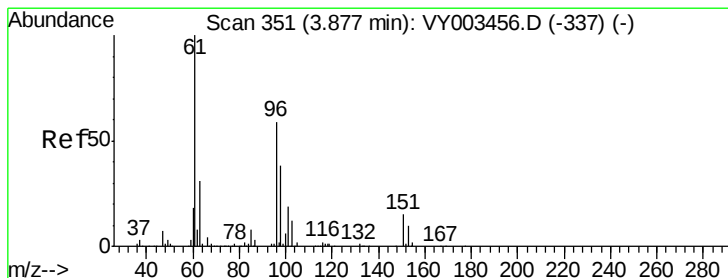
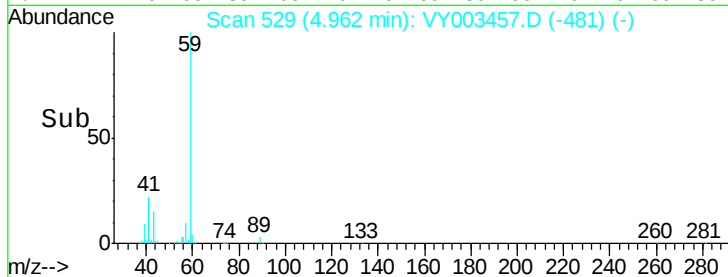
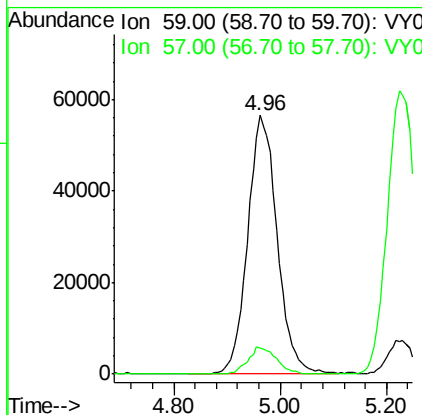
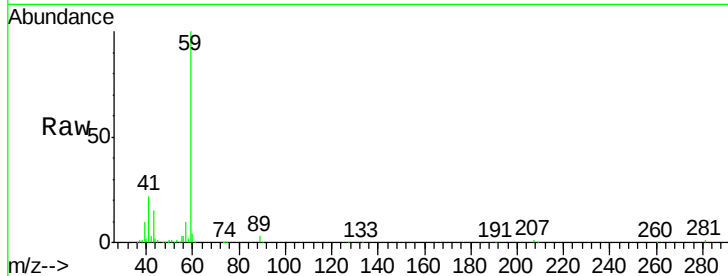
Tert butyl alcohol
Concen: 418.138 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
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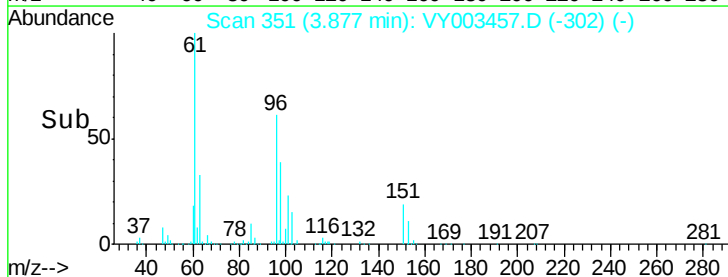
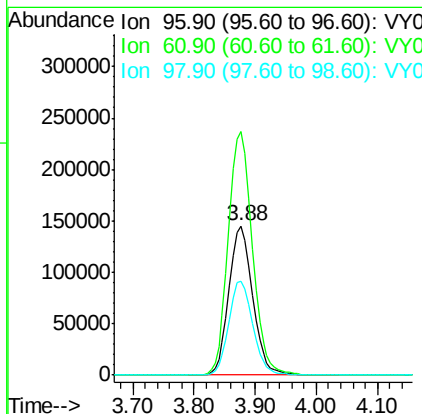
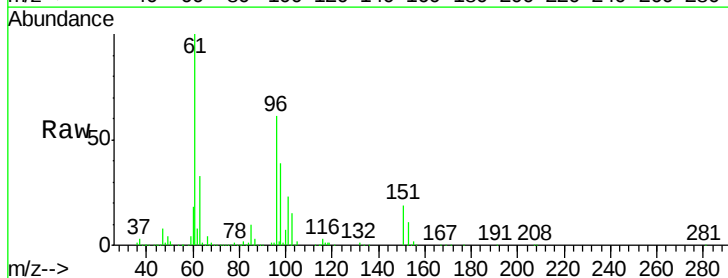
MMDadoda
10/6/2020 12:55:42 PM

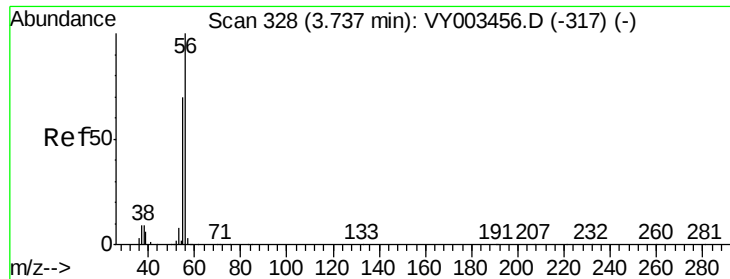


#12

1,1-Dichloroethene
Concen: 89.396 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	134.6	202.0
98	63.3	51.1	76.7





#13

Acrolein

Concen: 434.958 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 219364

Ion Ratio Lower Upper

56 100

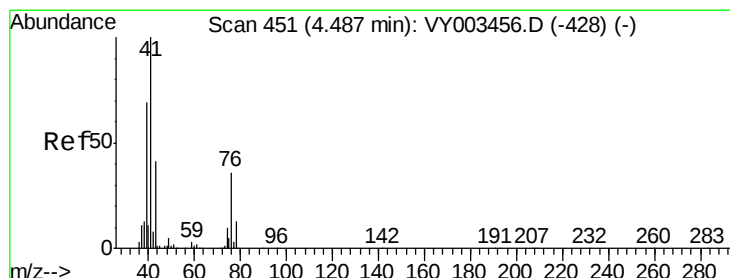
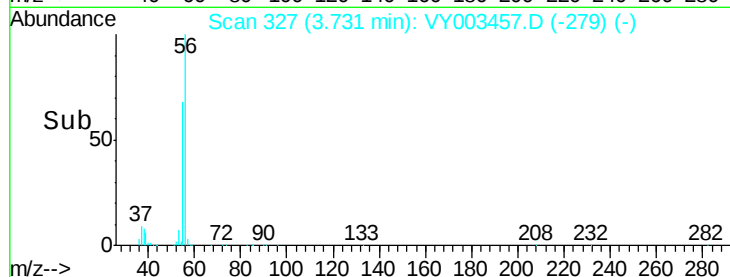
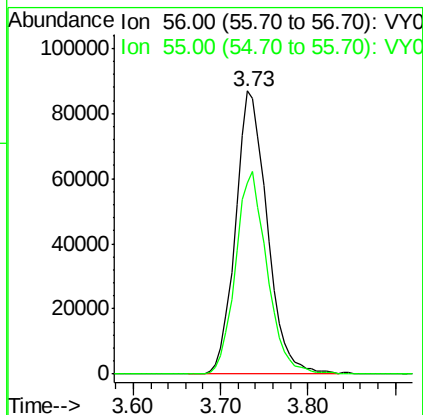
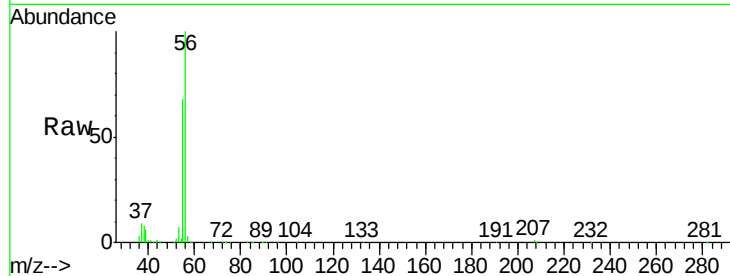
55 71.5 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 94.668 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

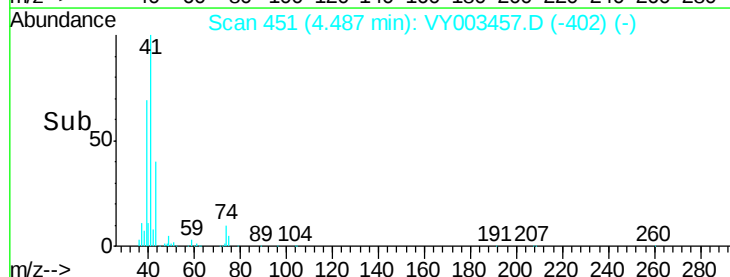
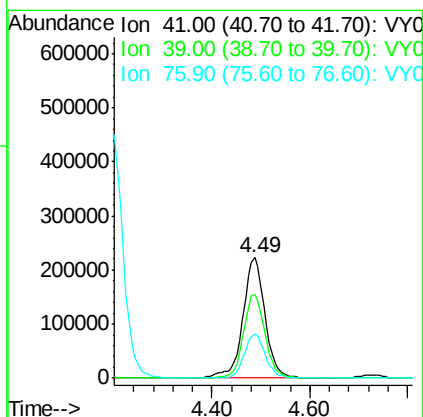
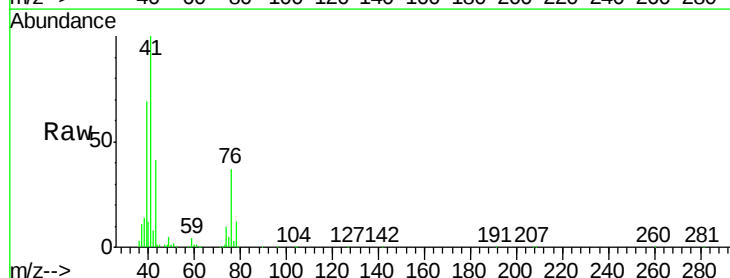
Tgt Ion: 41 Resp: 699787

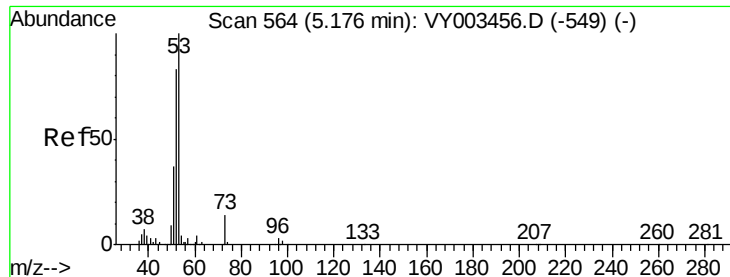
Ion Ratio Lower Upper

41 100

39 67.9 54.6 82.0

76 35.0 27.5 41.3





#15

Acrylonitrile

Concen: 435.979 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

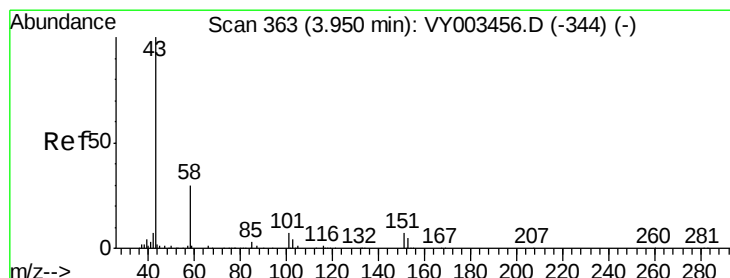
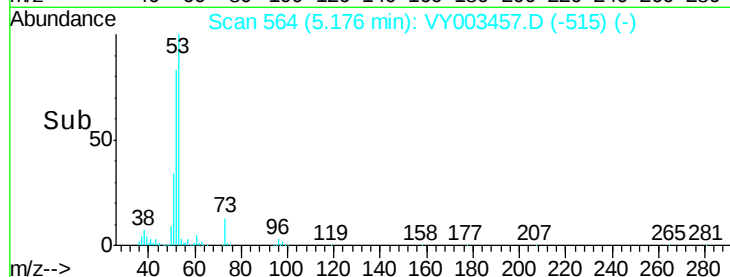
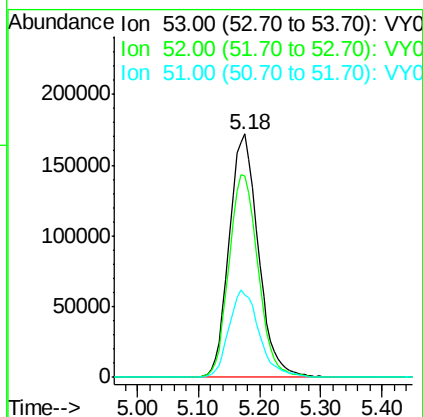
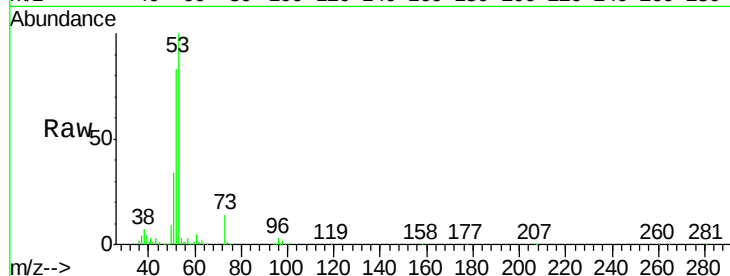
ClientSampleId :

VSTDIC100

Tot Ion	53	Resp	565926
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.8	101.8
51	37.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 512.559 ug/l

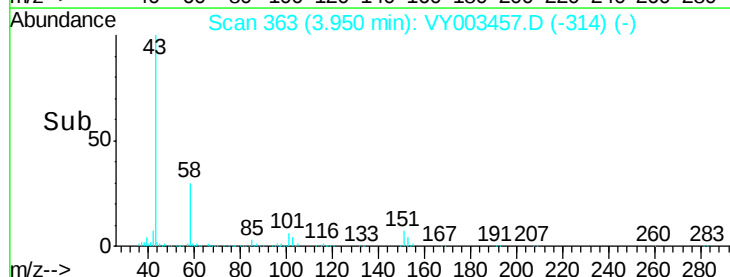
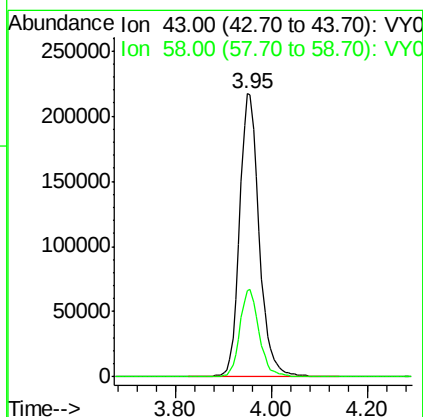
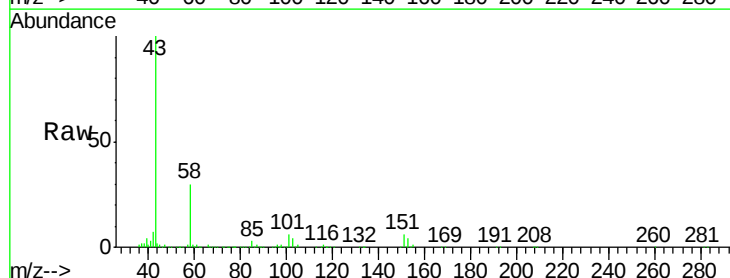
RT: 3.95 min Scan# 363

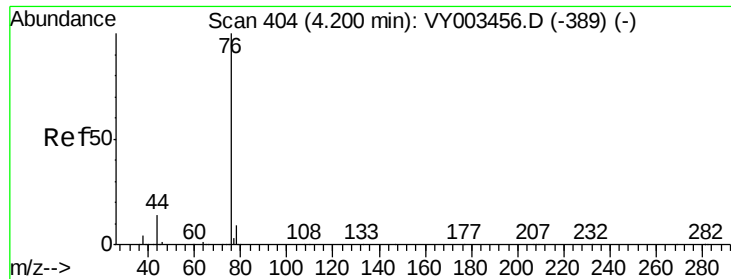
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion	43	Resp	614398
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.8	35.8





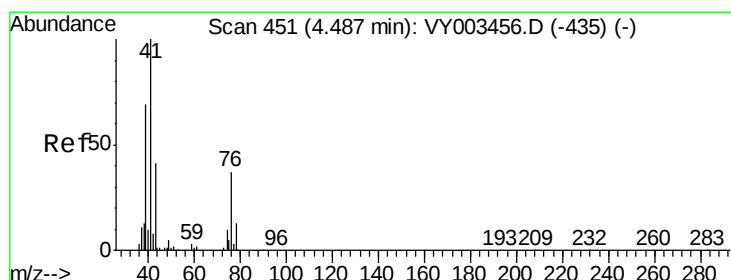
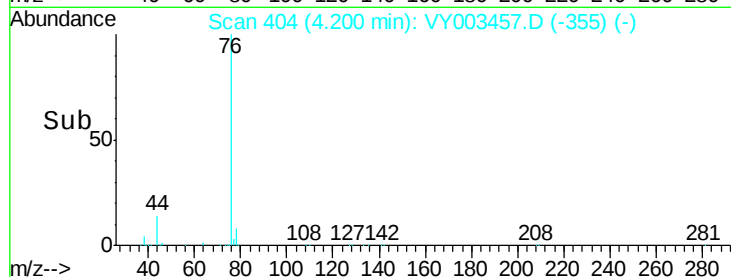
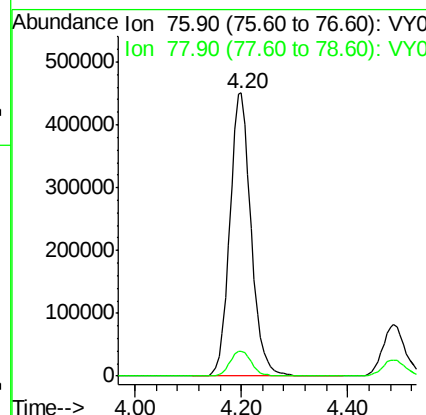
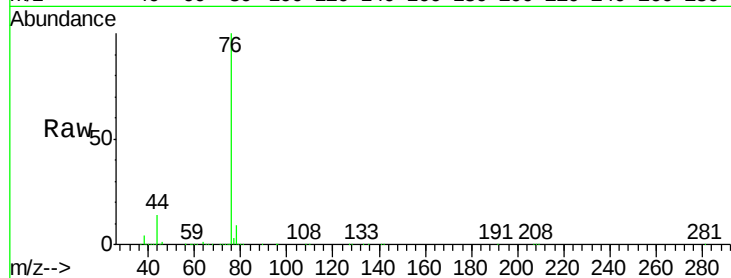
#17
Carbon Disulfide
Concen: 88.391 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 1256677
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

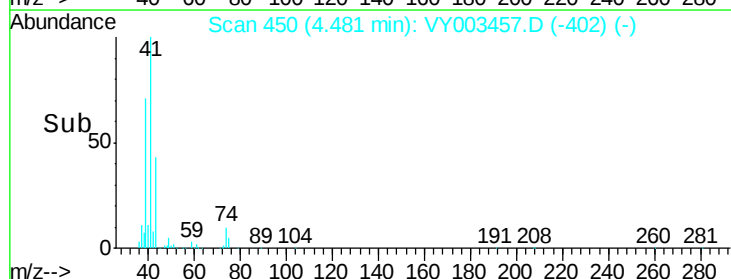
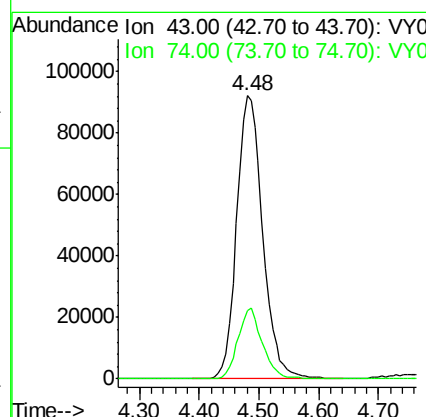
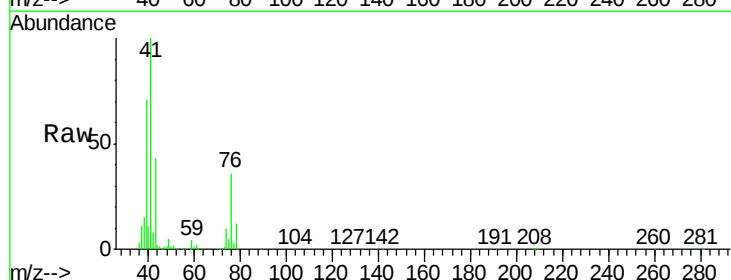
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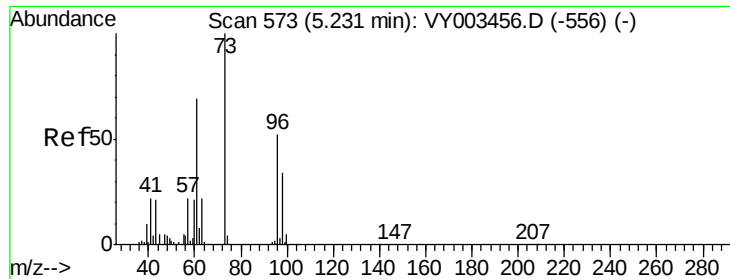
MMDadoda
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#18
Methyl Acetate
Concen: 89.144 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion: 43 Resp: 279165
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0





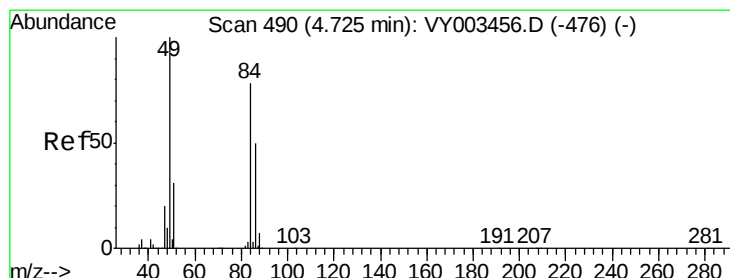
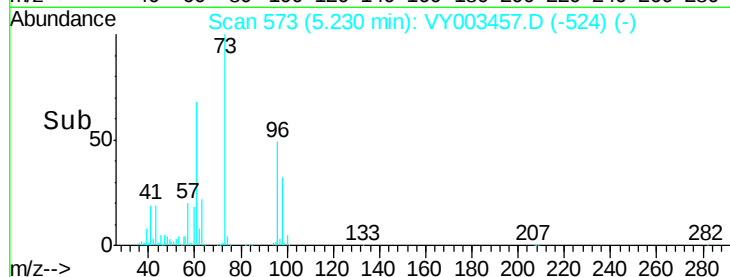
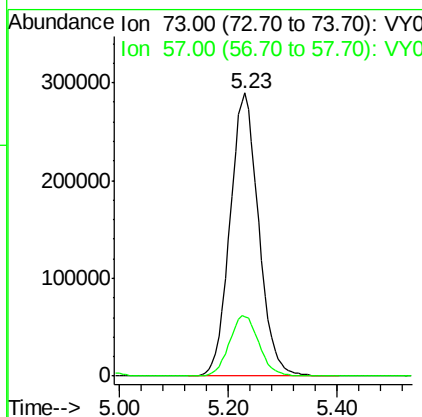
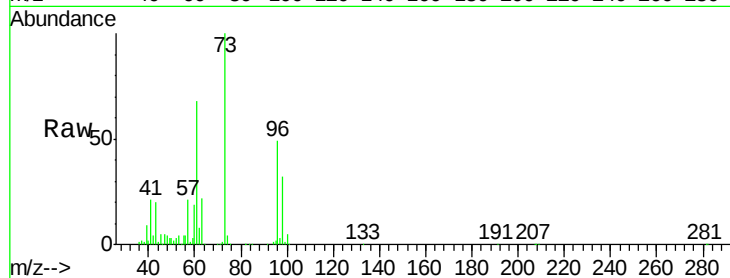
#19
Methvl tert-butvl Ether
Concen: 88.240 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 1059870
Ion Ratio Lower Upper
73 100
57 21.1 17.9 26.9

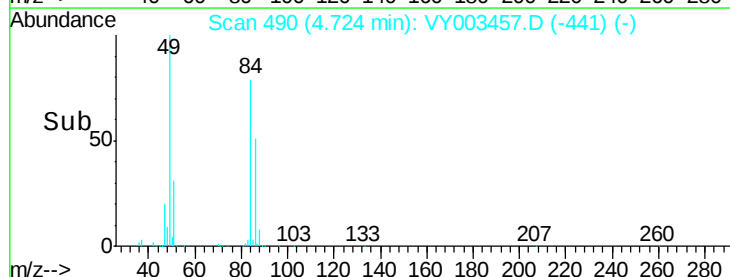
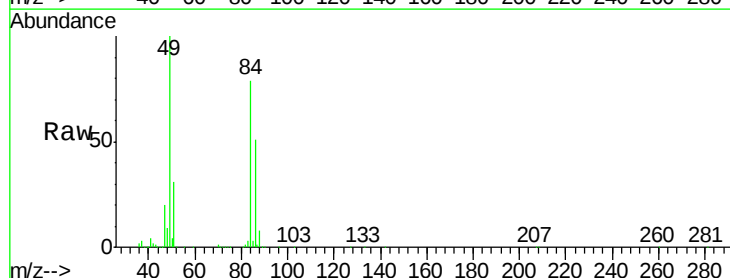
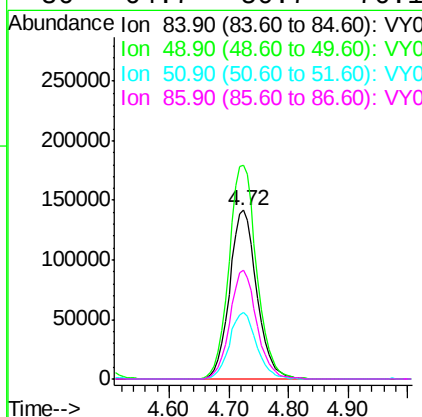
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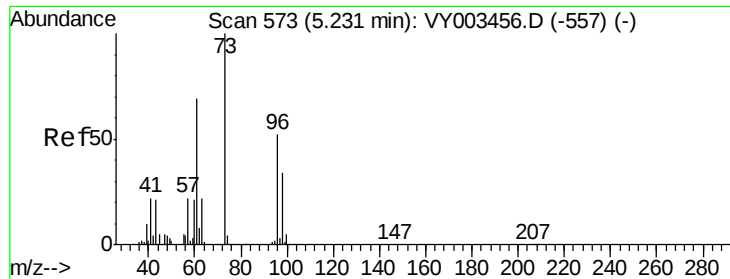
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#20
Methylene Chloride
Concen: 56.490 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion: 84 Resp: 448759
Ion Ratio Lower Upper
84 100
49 126.8 102.2 153.2
51 39.9 32.0 48.0
86 64.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 91.524 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 454282

Ion Ratio Lower Upper

96 100

61 137.6 107.6 161.4

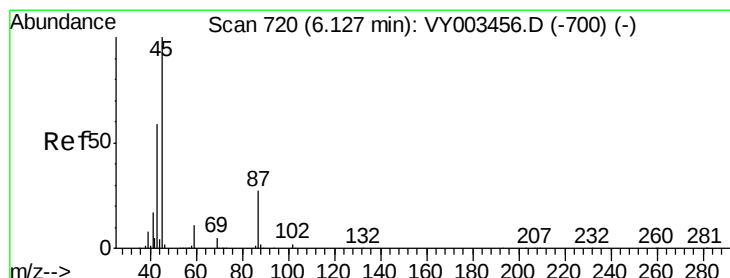
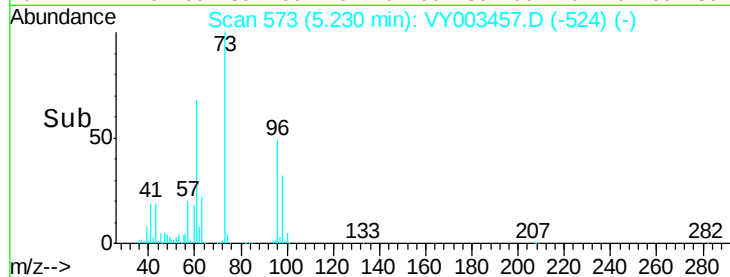
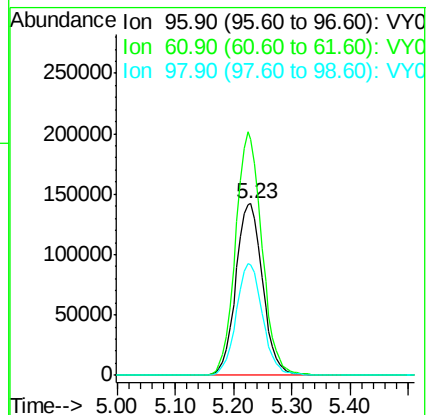
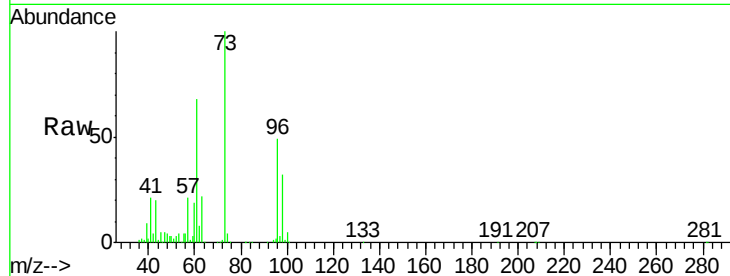
98 64.3 52.1 78.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 86.060 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion: 45 Resp: 1312776

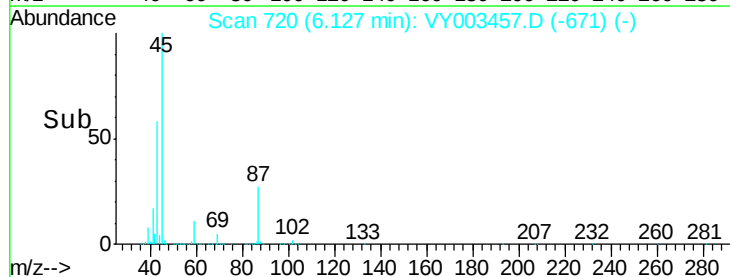
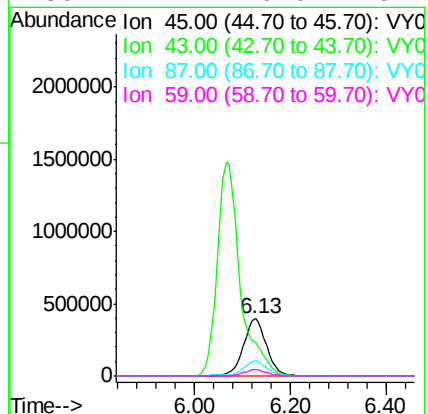
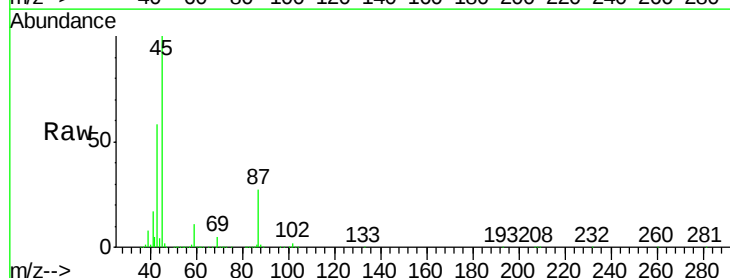
Ion Ratio Lower Upper

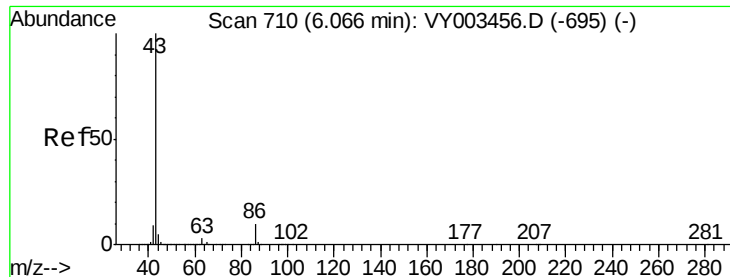
45 100

43 57.9 47.5 71.3

87 26.7 22.2 33.2

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 484.740 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4925896

Ion Ratio Lower Upper

43 100

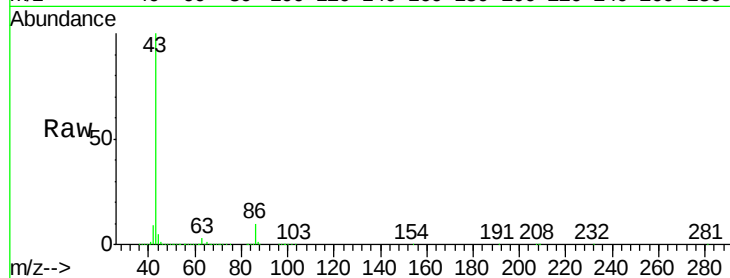
86 10.3 8.1 12.1

Manual Integrations

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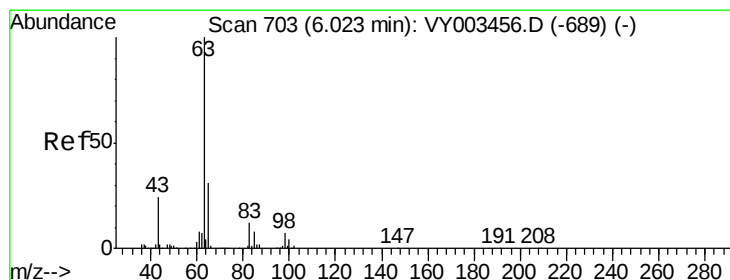
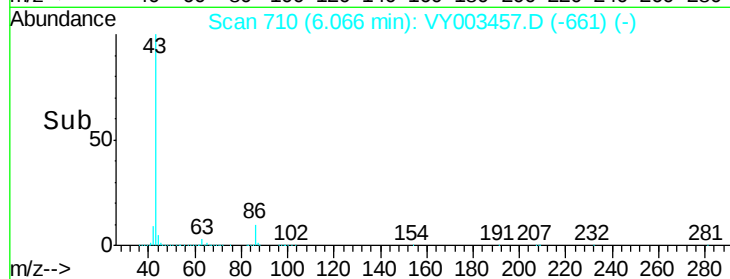
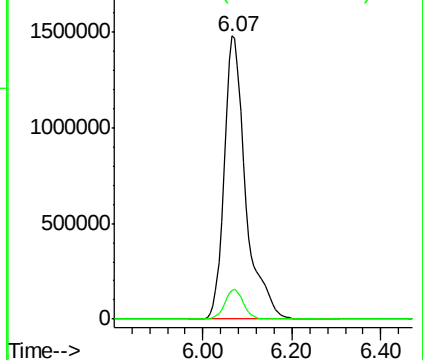
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 92.150 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

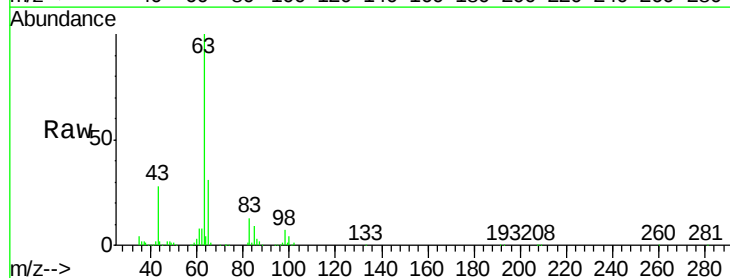
Tgt Ion: 63 Resp: 798184

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

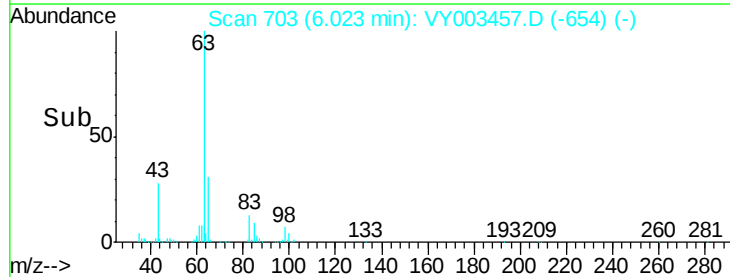
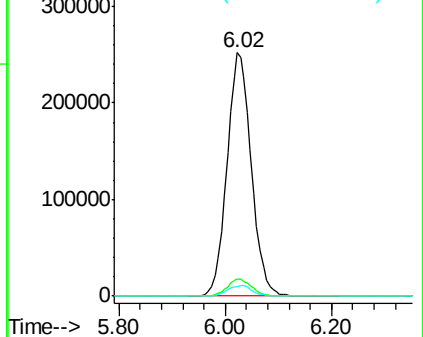
100 4.0 2.2 6.6

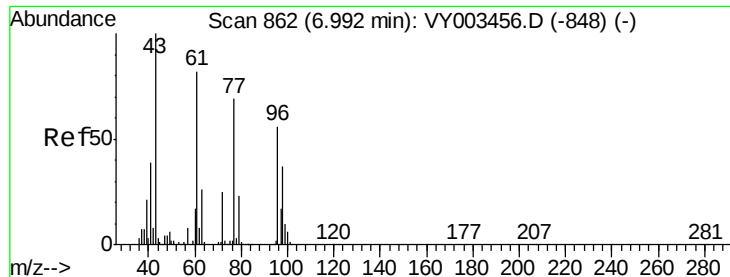


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 489.269 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 884422

Ion Ratio Lower Upper

43 100

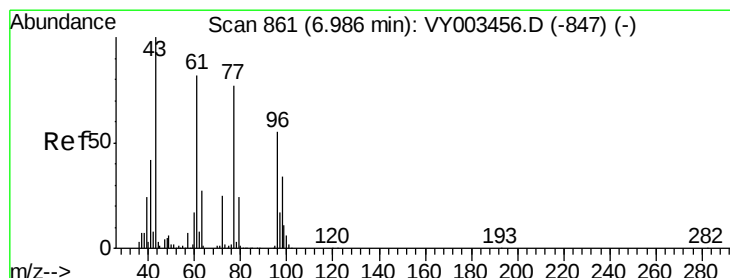
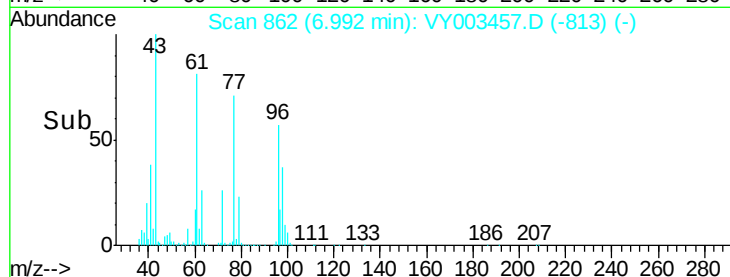
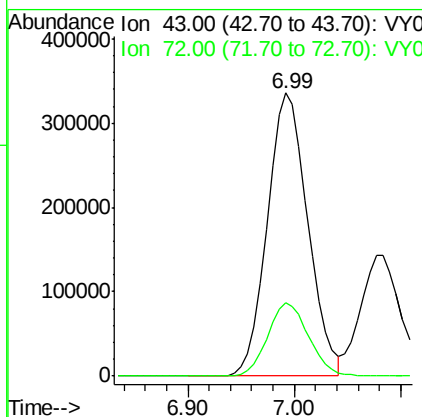
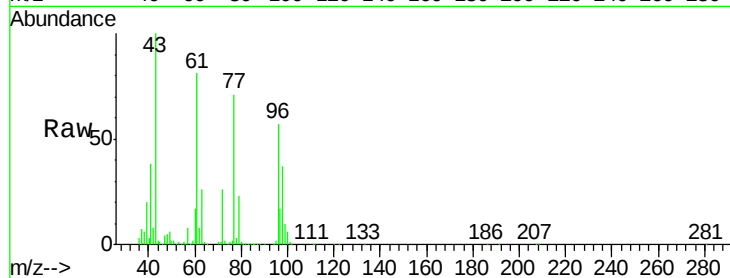
72 25.8 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 93.008 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.00 min

Lab File: VY003457.D

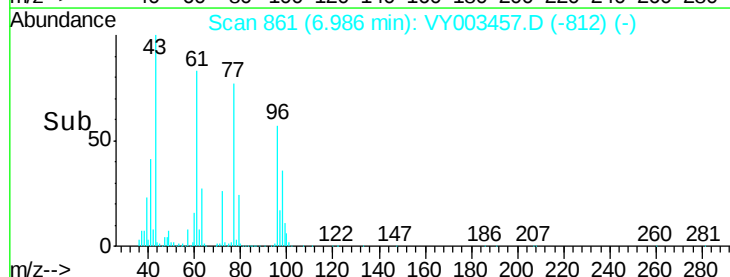
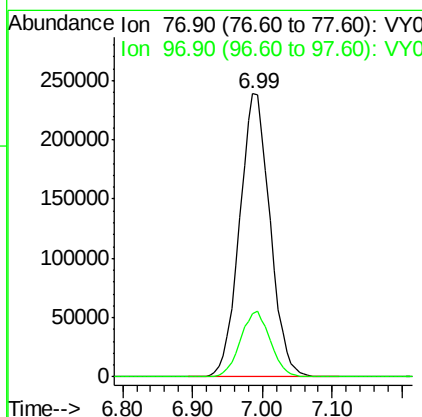
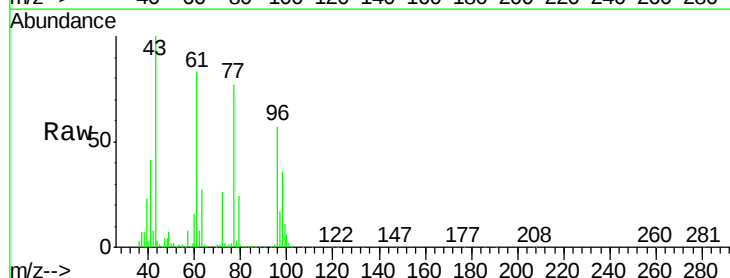
Acq: 05 Oct 2020 16:34

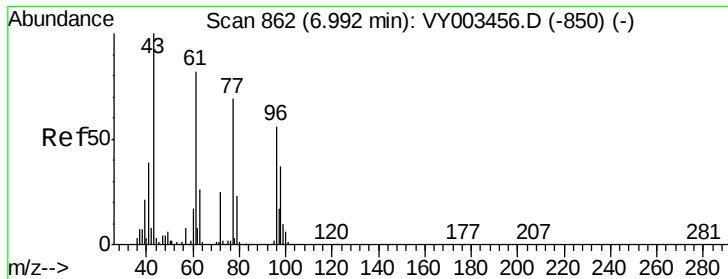
Tgt Ion: 77 Resp: 719678

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

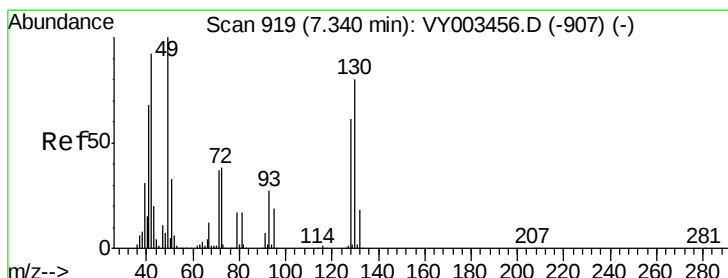
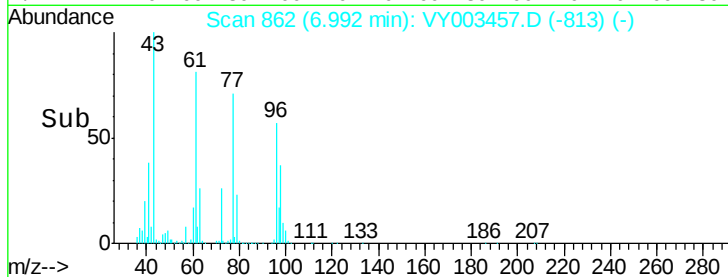
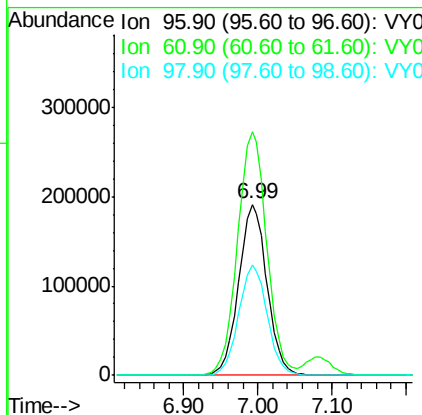
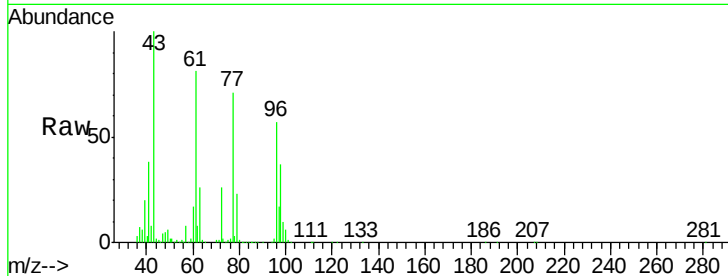
cis-1,2-Dichloroethene
 Concen: 93.600 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	510950		
61	147.0		0.0	295.2
98	64.9		0.0	129.0

Manual Integrations
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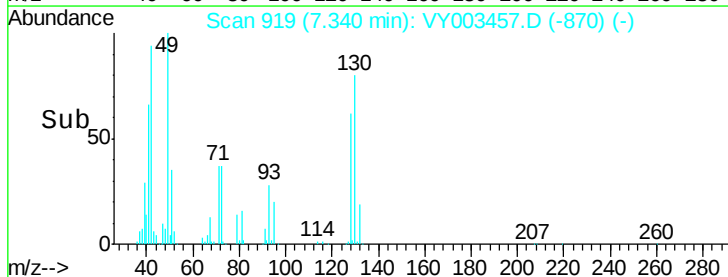
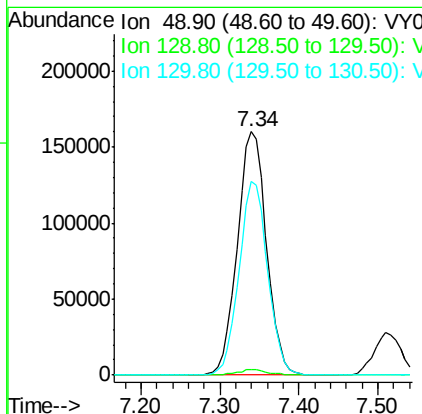
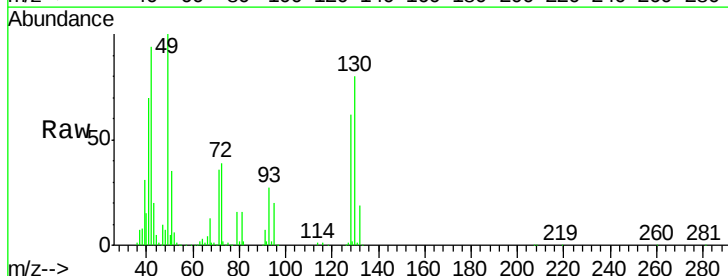
MMDadoda
 10/6/2020 12:55:42 PM

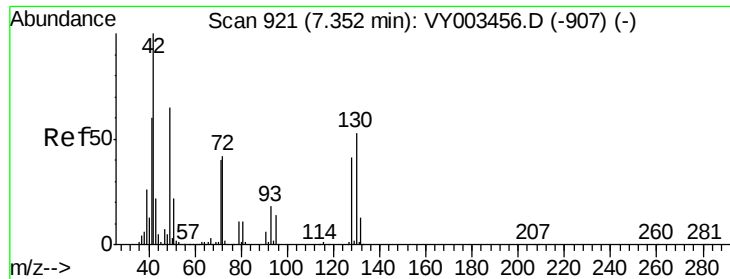


#28

Bromochloromethane
 Concen: 116.017 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	411744		
129	2.2		0.0	4.4
130	78.2		62.4	93.6





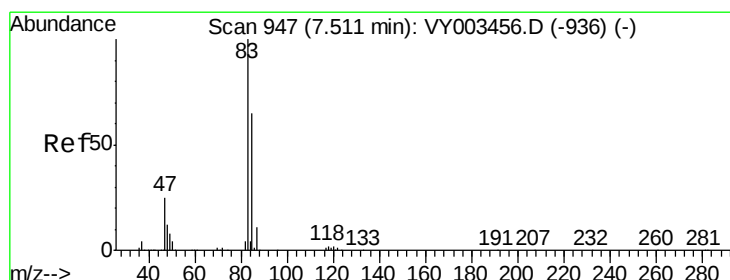
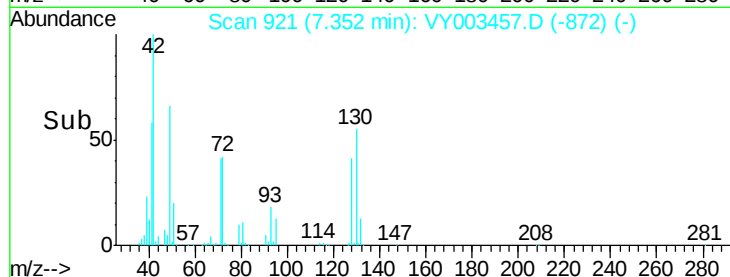
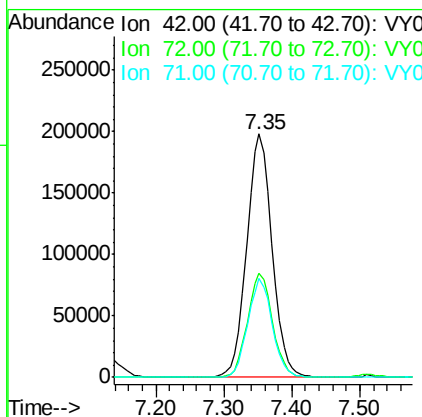
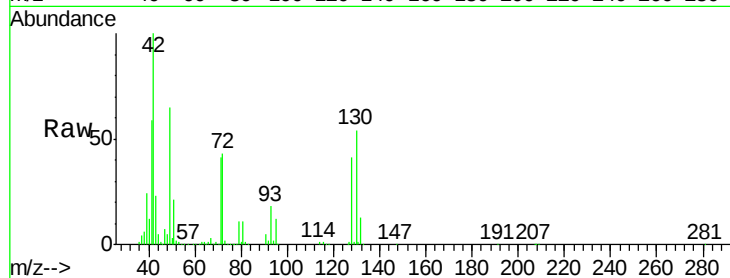
#29
Tetrahydrofuran
Concen: 443.969 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.3	49.9
71	39.2	31.7	47.5

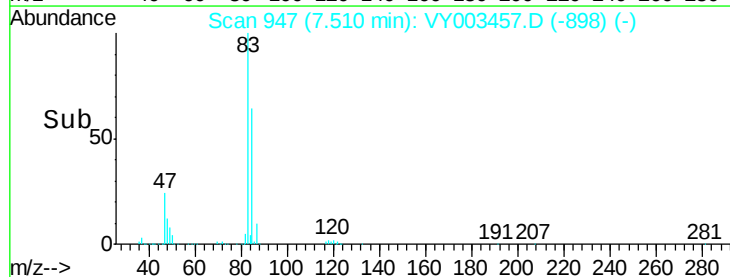
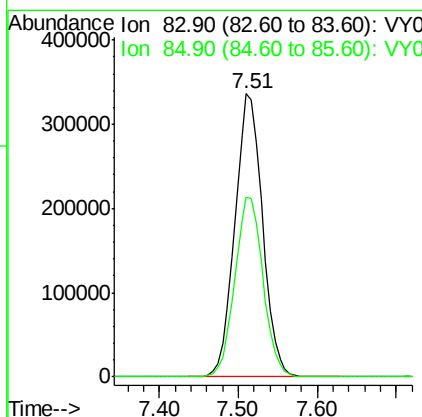
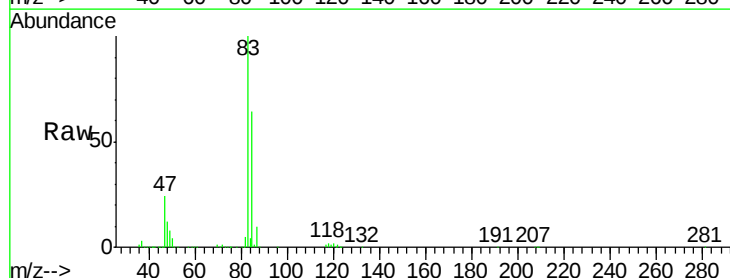
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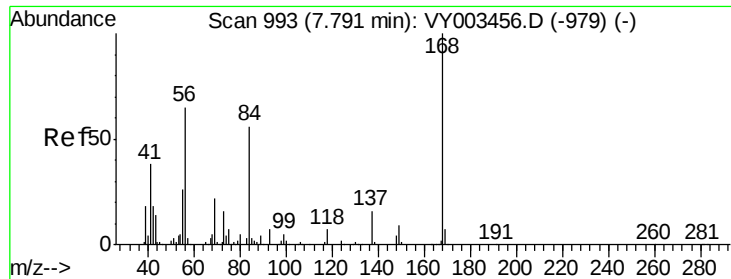
MMDadoda
10/6/2020 12:55:42 PM



#30
Chloroform
Concen: 94.859 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4





#31

Cyclohexane

Concen: 82.838 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

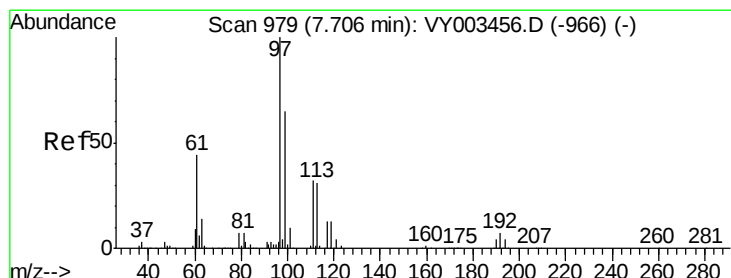
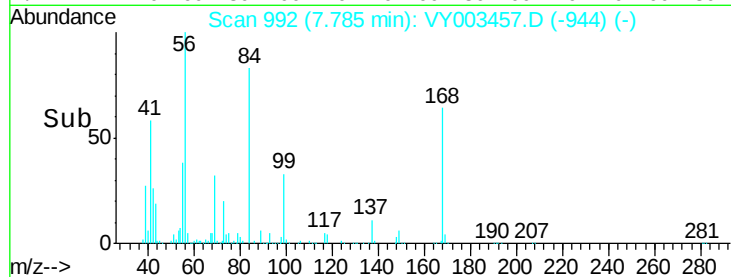
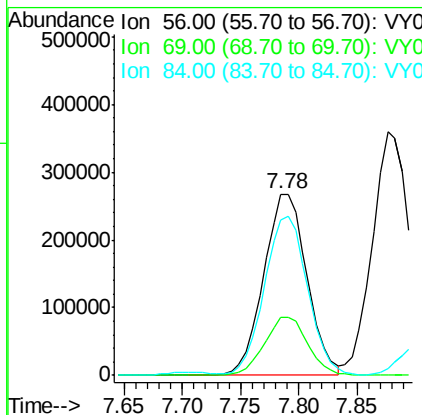
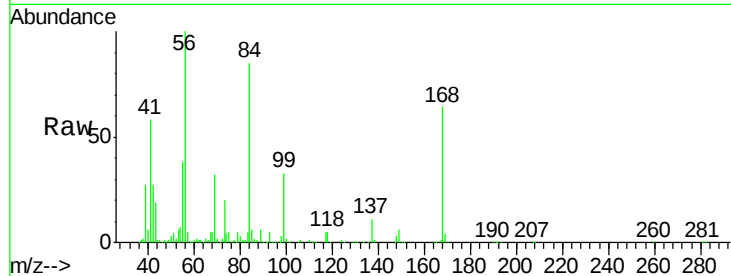
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	686981
Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	83.6	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 95.173 ug/l

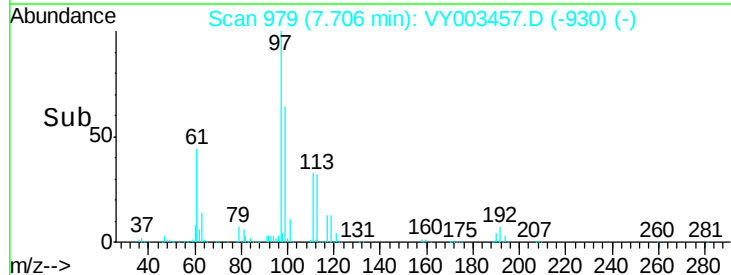
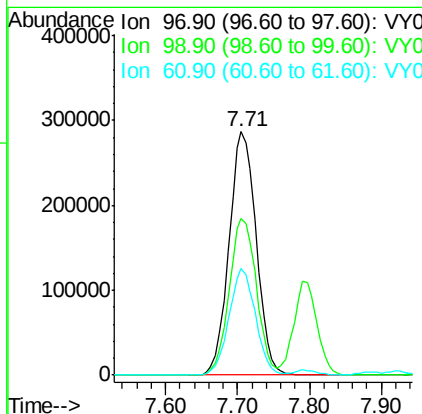
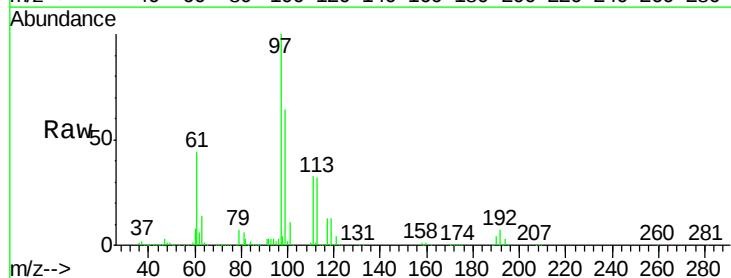
RT: 7.71 min Scan# 979

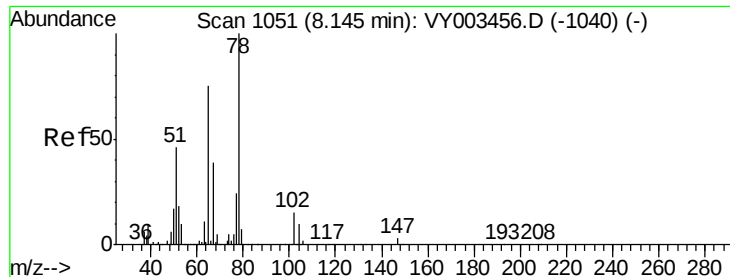
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	97	Resp:	749957
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	42.9	34.4	51.6





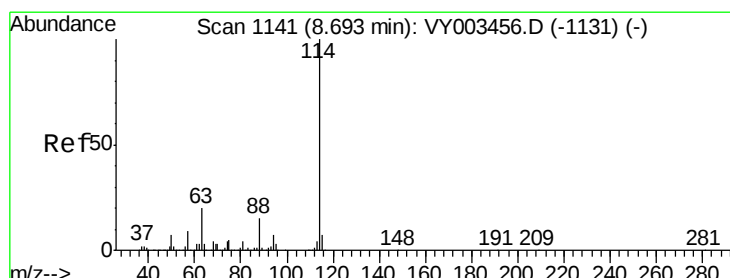
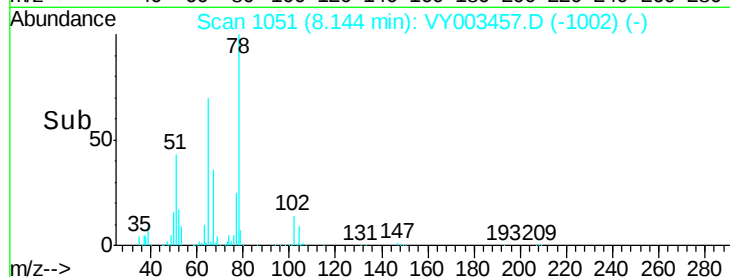
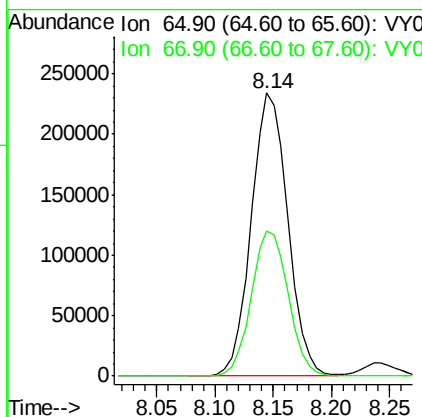
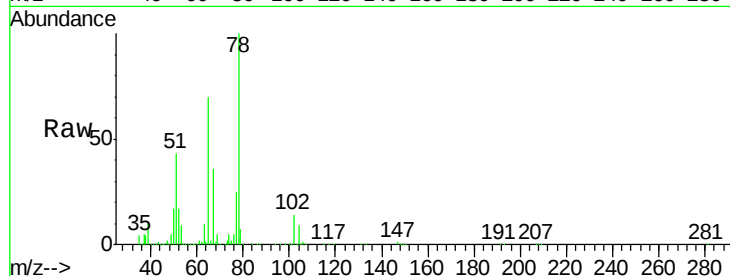
#33
 1,2-Dichloroethane-d4
 Concen: 106.070 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	104.4	

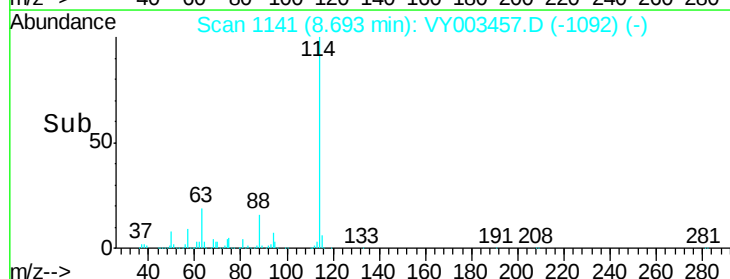
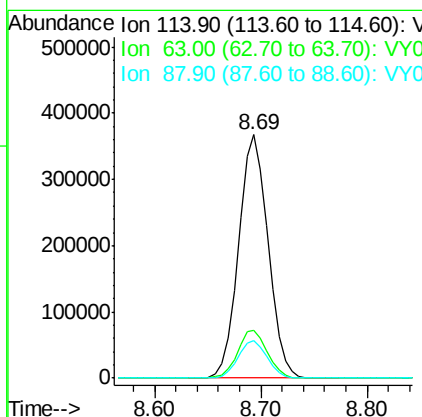
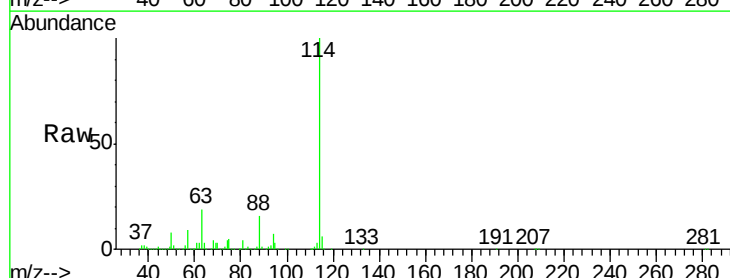
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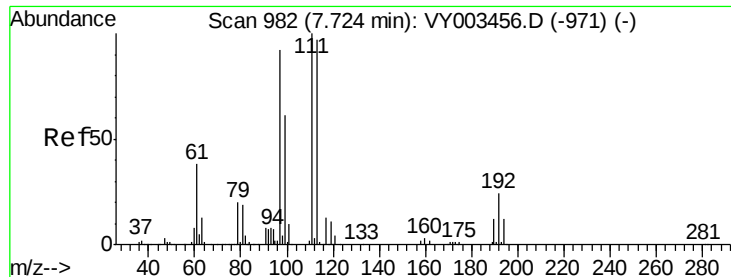
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	40.2	
88	15.7	0.0	30.0	





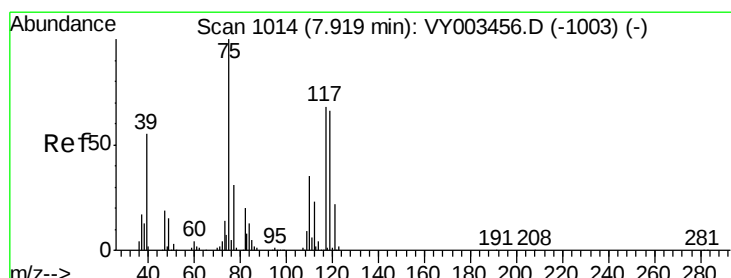
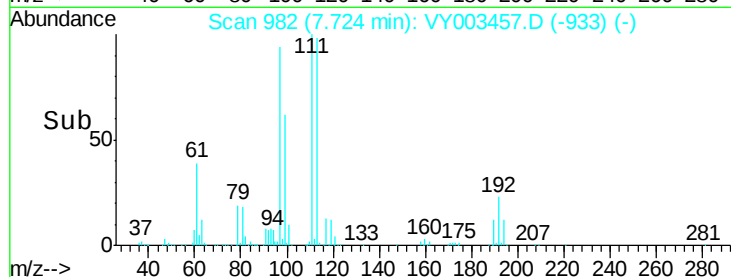
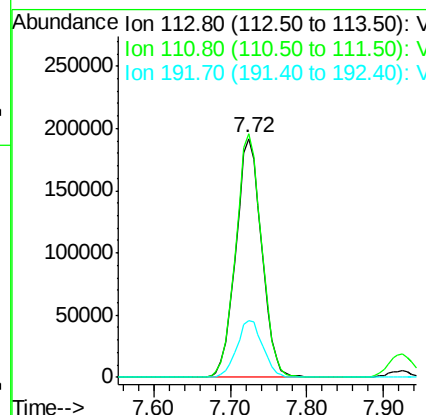
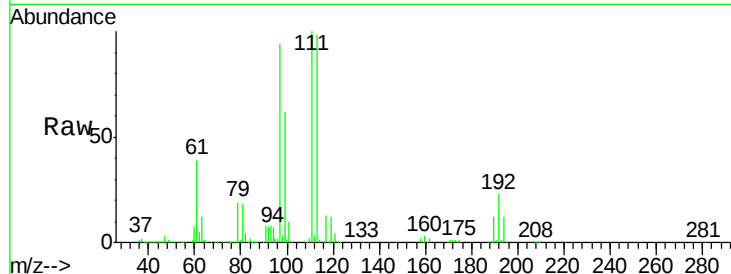
#35
Dibromofluoromethane
Concen: 106.860 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	448943		
111	101.6	82.2	123.2	
192	23.9	19.8	29.6	

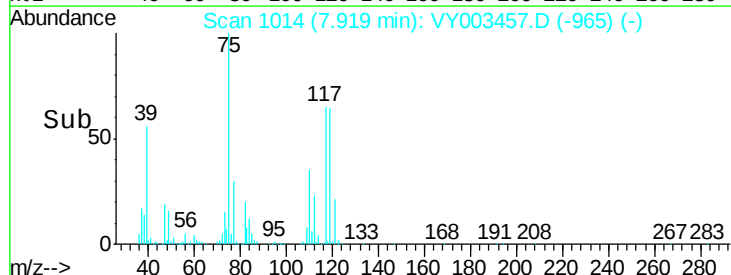
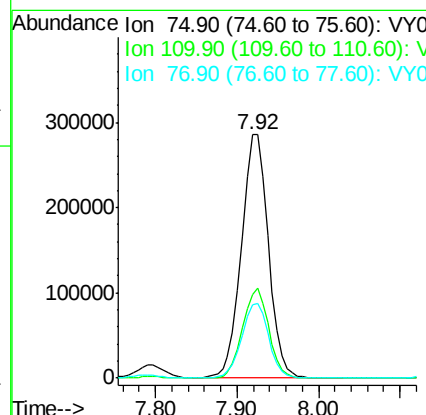
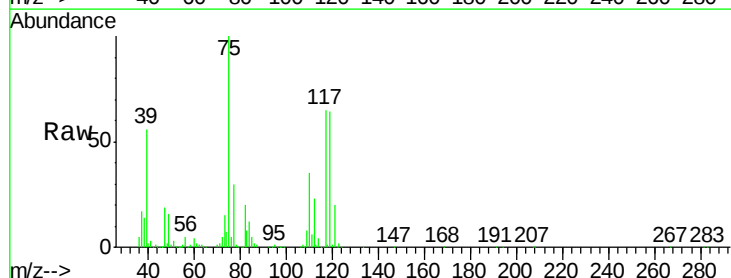
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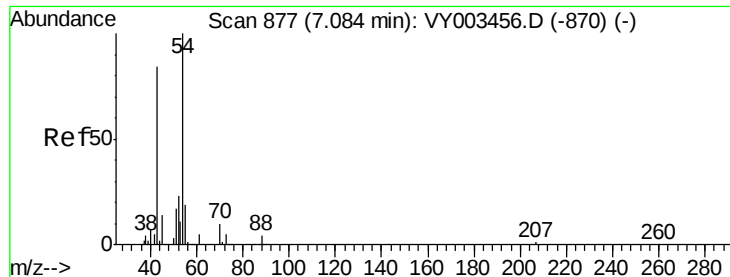
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#36
1,1-Dichloropropene
Concen: 97.120 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	650180		
110	35.9	17.8	53.3	
77	30.9	24.8	37.2	





#37

Ethyl Acetate

Concen: 100.040 ug/l

RT: 7.08 min Scan# 876

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

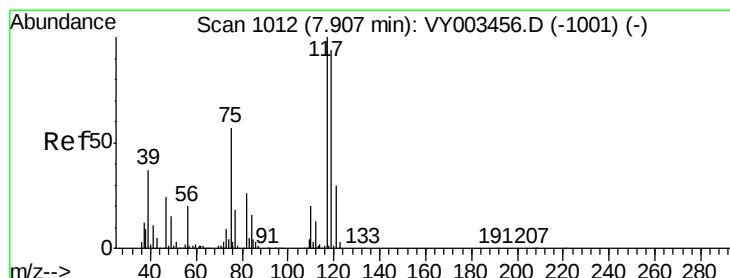
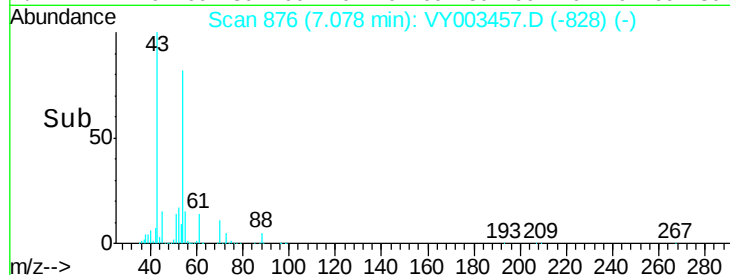
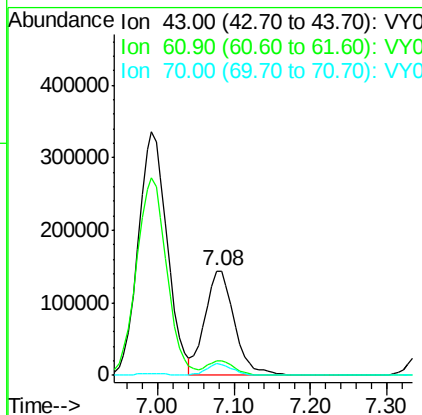
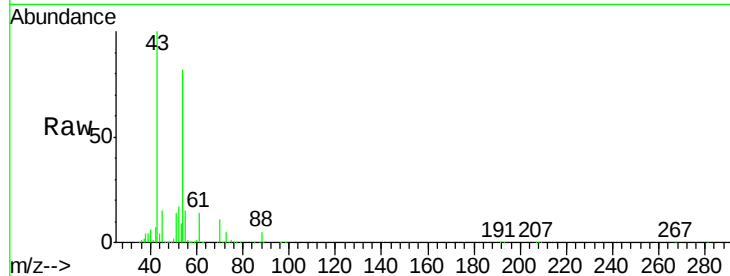
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	384353
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	10.1	8.2	12.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 99.330 ug/l

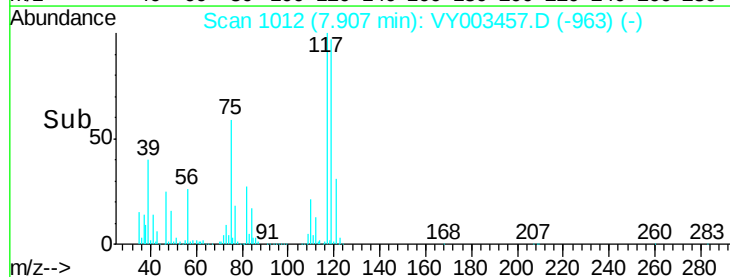
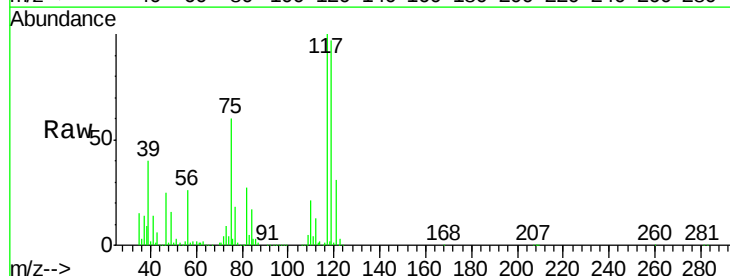
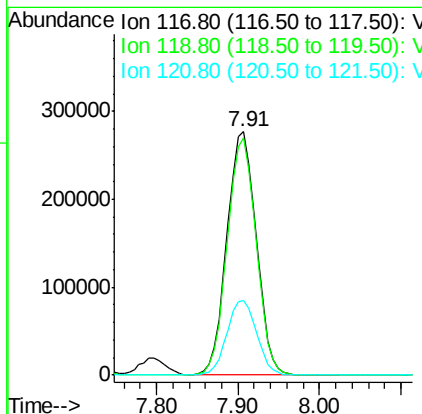
RT: 7.91 min Scan# 1012

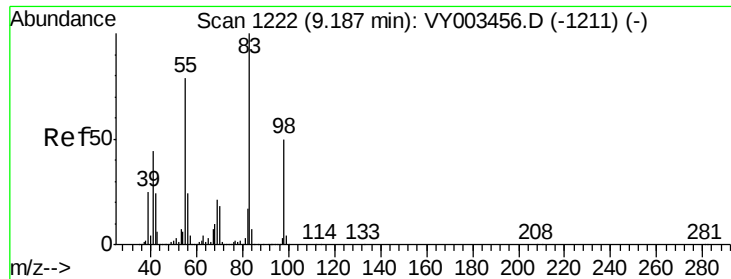
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	117	Resp:	686568
Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.7	112.1
121	30.8	24.3	36.5





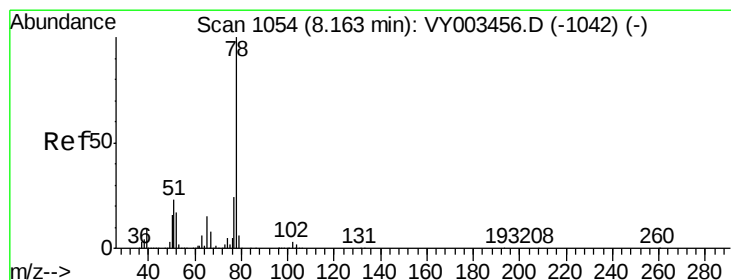
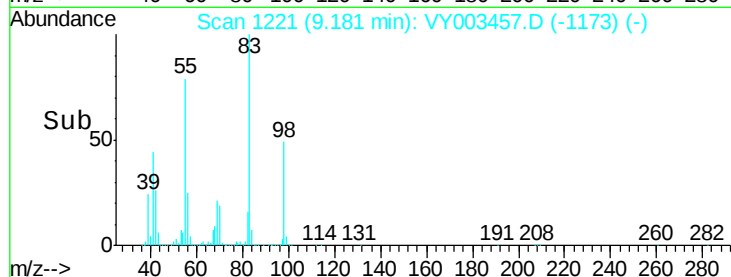
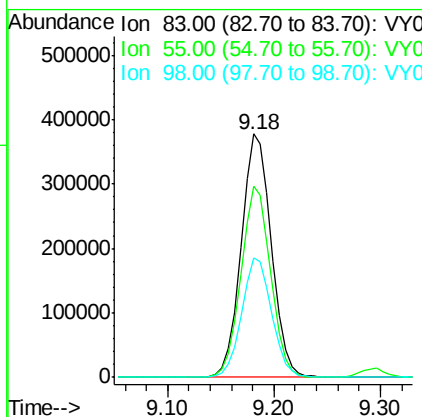
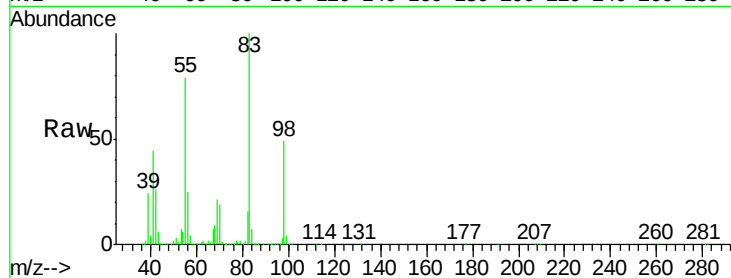
#39
Methvlcvclohexane
Concen: 92.855 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	63.0	94.6
98	48.9	39.7	59.5

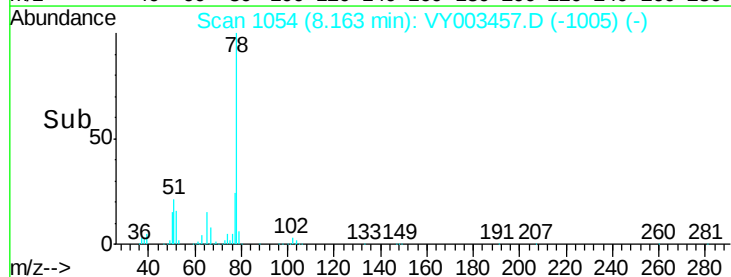
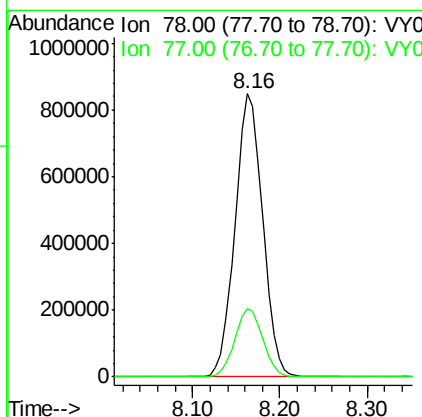
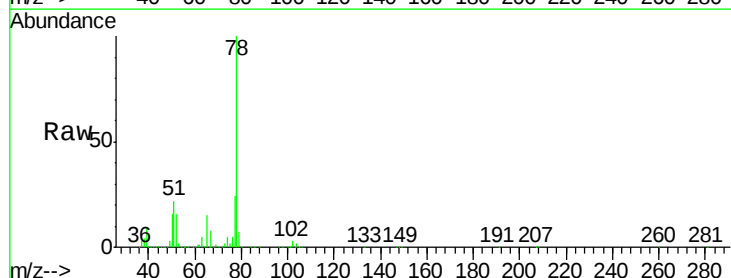
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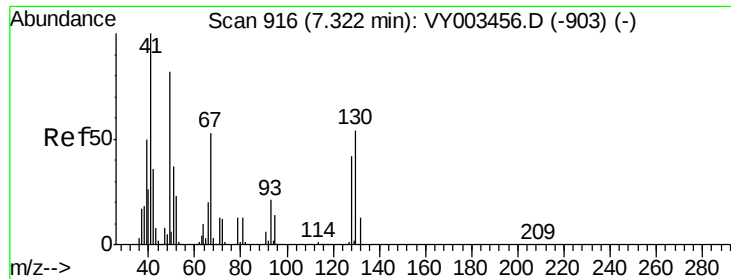
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#40
Benzene
Concen: 99.794 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





#41

Methacrylonitrile

Concen: 114.151 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 244689

Ion Ratio Lower Upper

41 100

39 96.2 0.0 0.0#

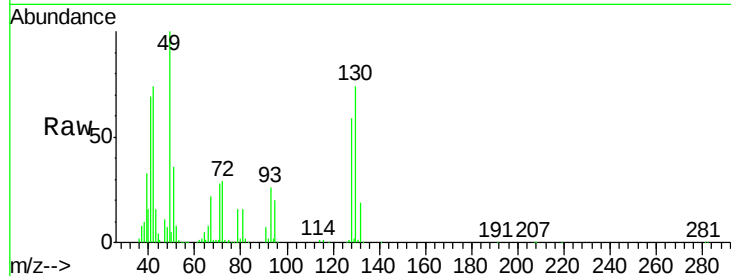
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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10/6/2020 12:55:42 PM

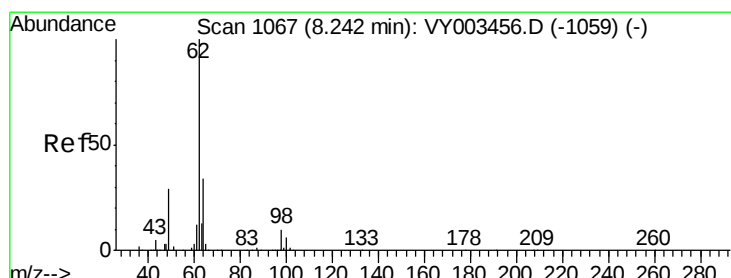
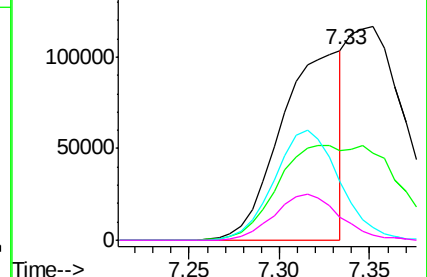
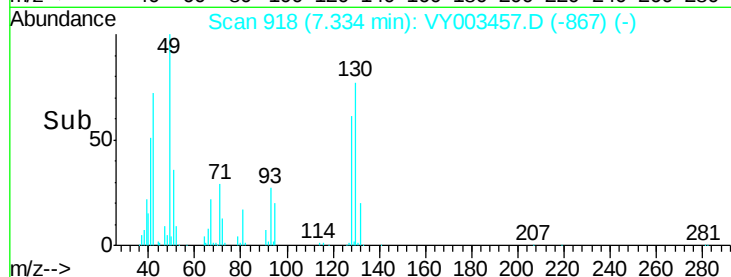


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 102.100 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003457.D

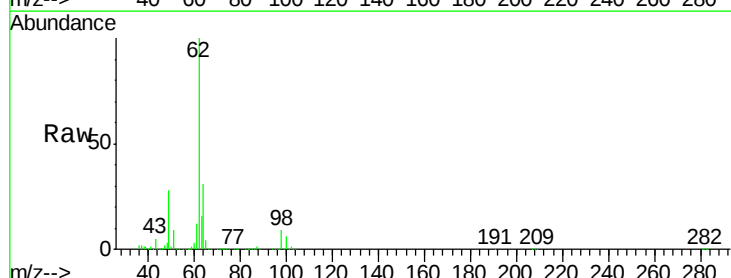
Acq: 05 Oct 2020 16:34

Tgt Ion: 62 Resp: 585518

Ion Ratio Lower Upper

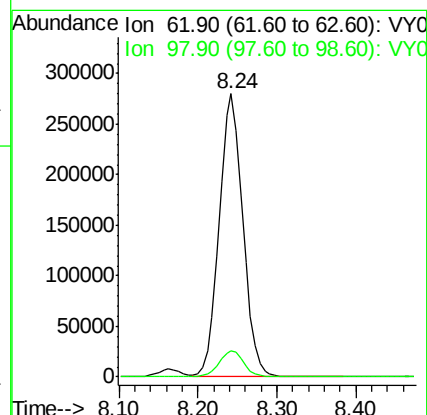
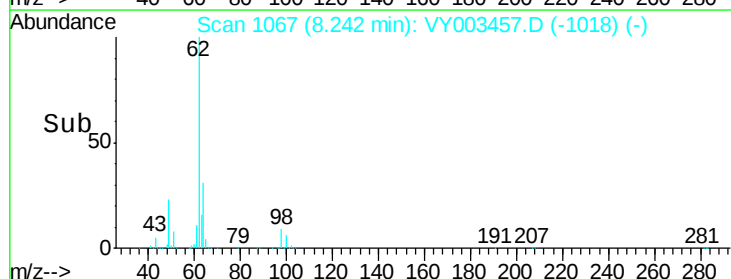
62 100

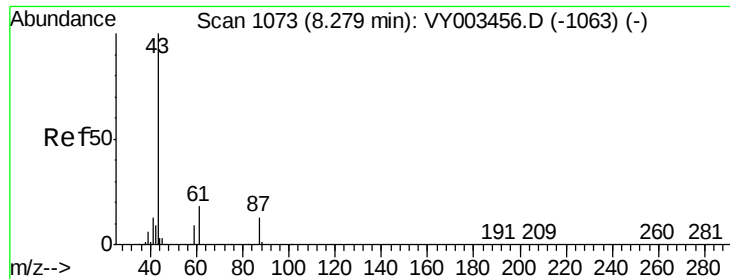
98 9.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





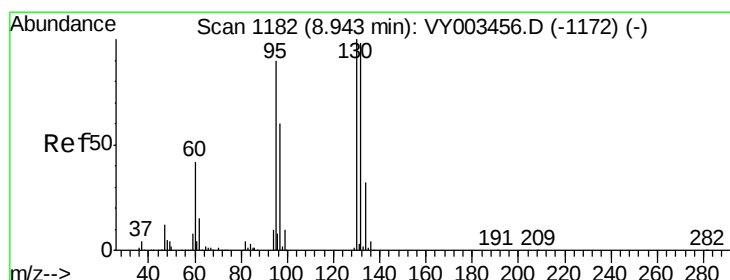
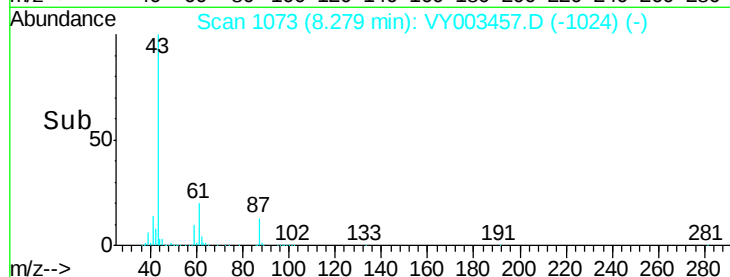
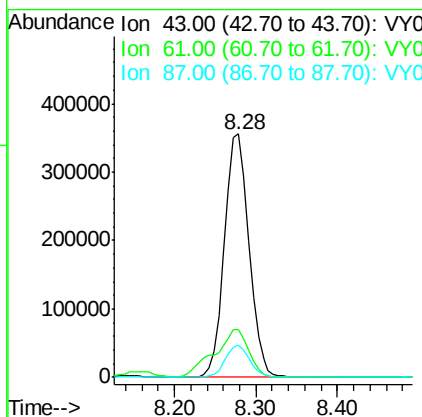
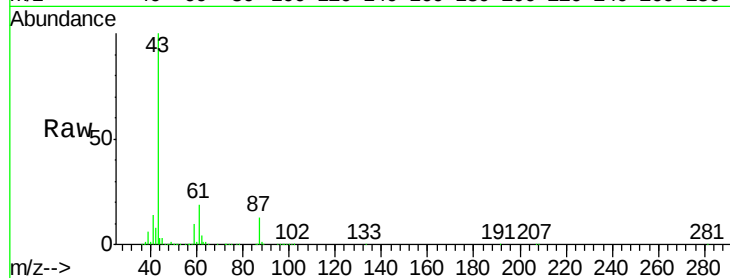
#43
Isopropyl Acetate
Concen: 101.607 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.7	34.1
87	13.0	10.4	15.6

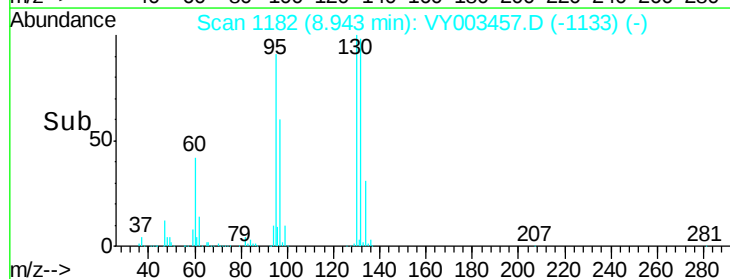
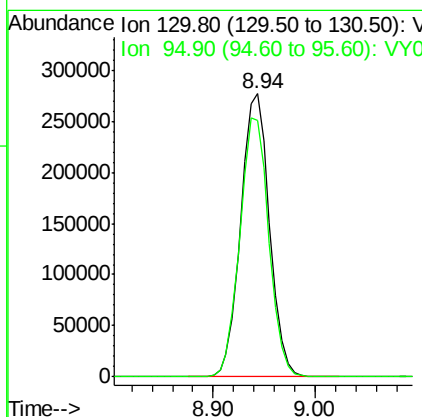
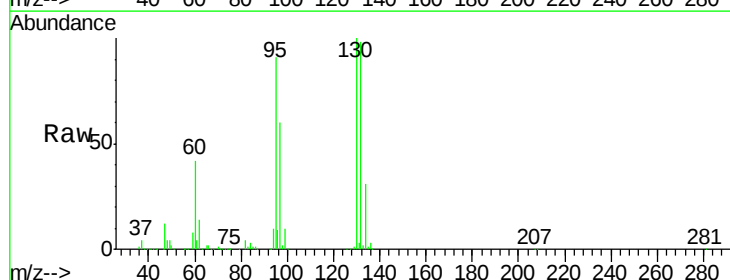
Manual Integrations
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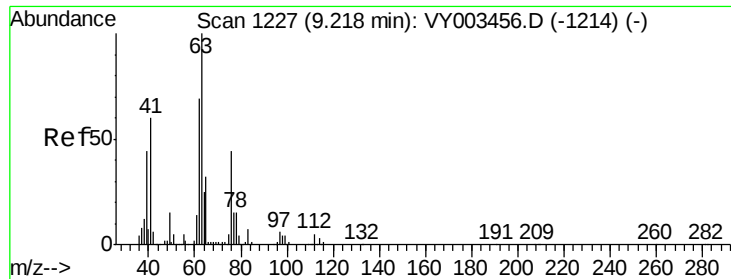
MMDadoda
10/6/2020 12:55:42 PM



#44
Trichloroethene
Concen: 100.492 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	180.6





#45

1,2-Dichloropropane

Concen: 97.423 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 473910

Ion Ratio Lower Upper

63 100

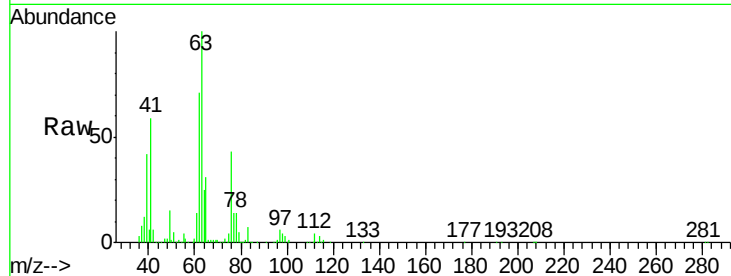
65 30.5 25.4 38.2

Manual Integrations

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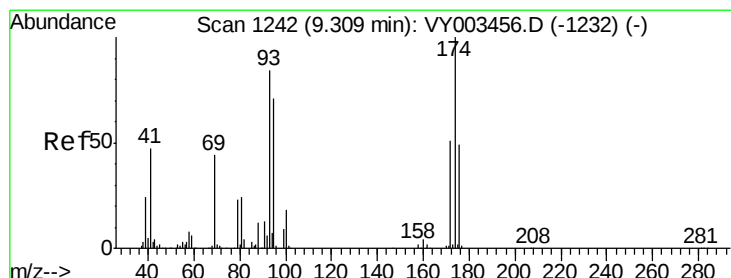
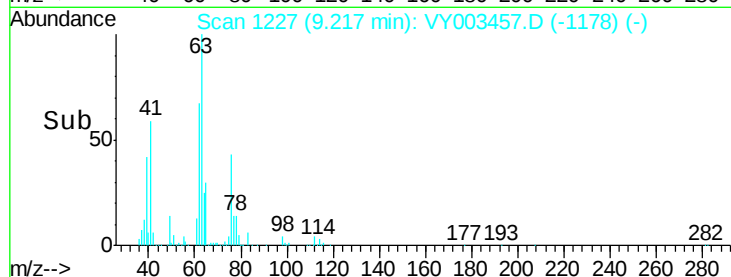
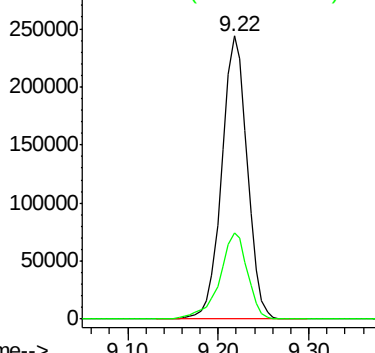
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 97.549 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

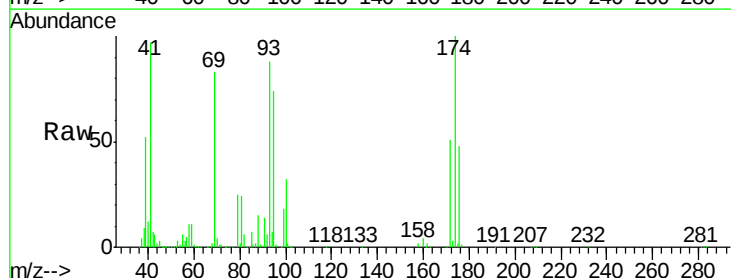
Tgt Ion: 93 Resp: 267424

Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

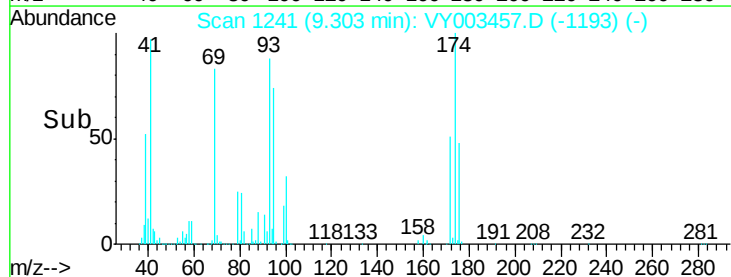
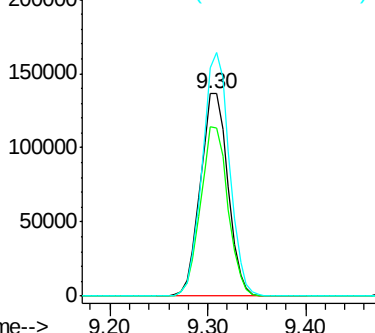
174 118.0 94.3 141.5

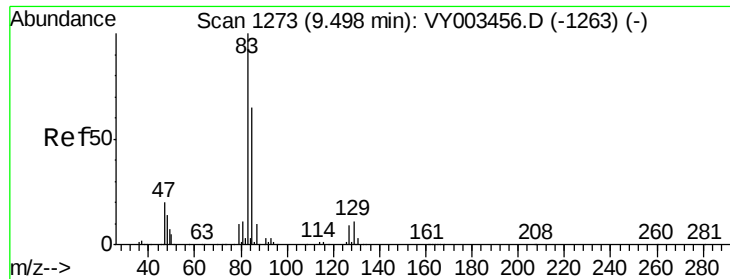


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 100.055 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

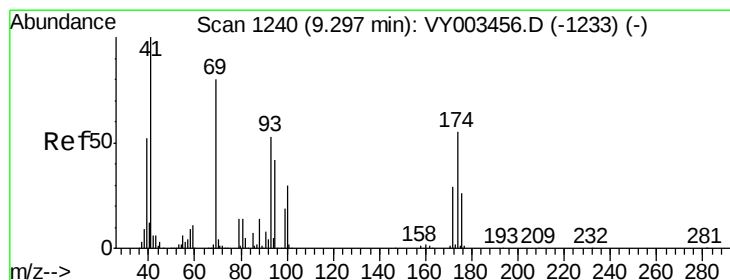
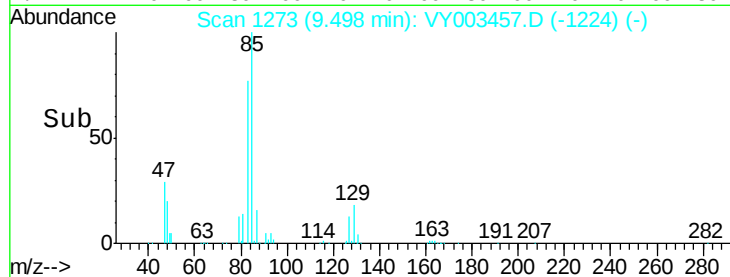
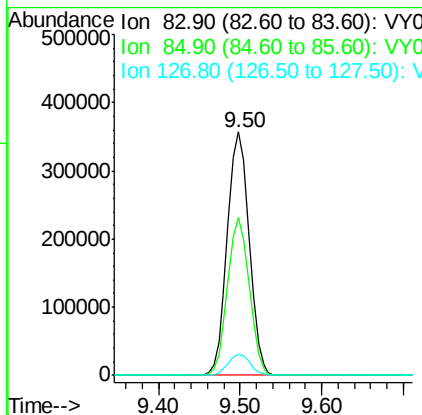
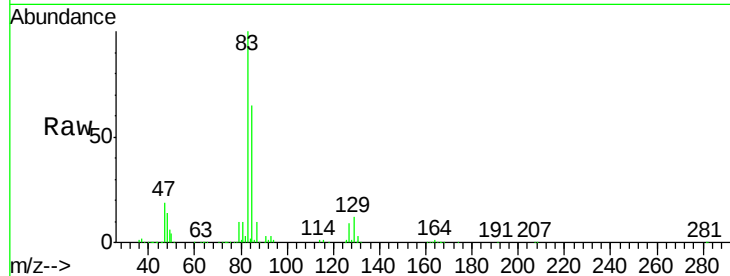
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	659441
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1
127	8.6	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 107.725 ug/l

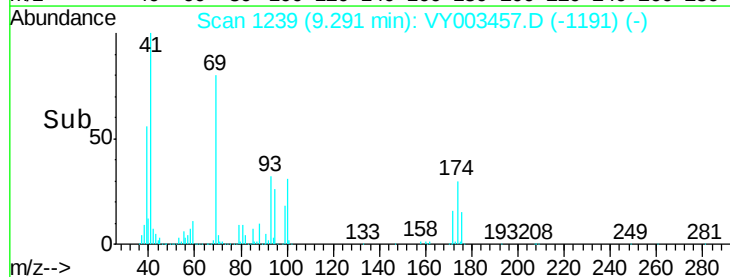
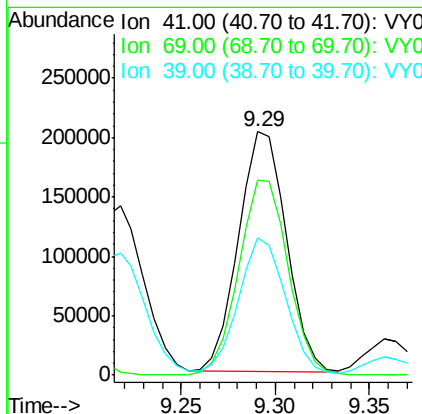
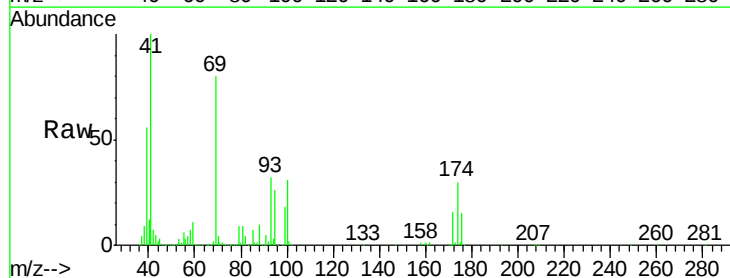
RT: 9.29 min Scan# 1239

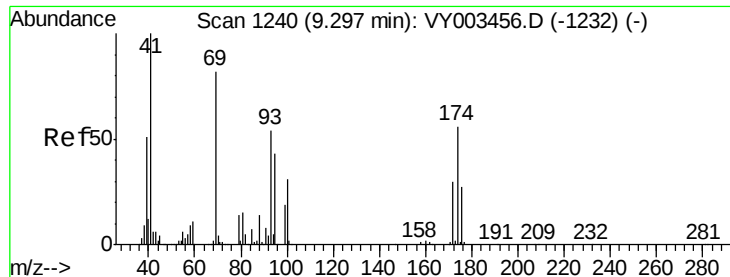
Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	41	Resp:	356504
Ion	Ratio	Lower	Upper
41	100		
69	83.9	66.3	99.5
39	56.6	45.2	67.8





#49

1,4-Dioxane

Concen: 1779.072 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

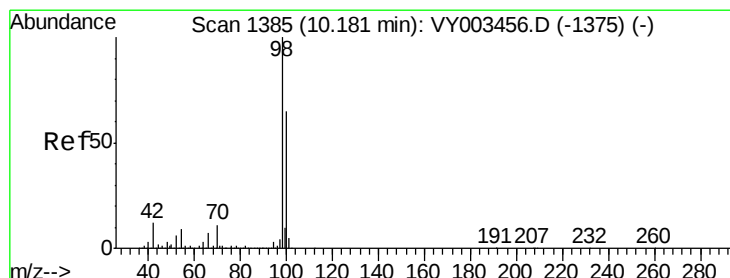
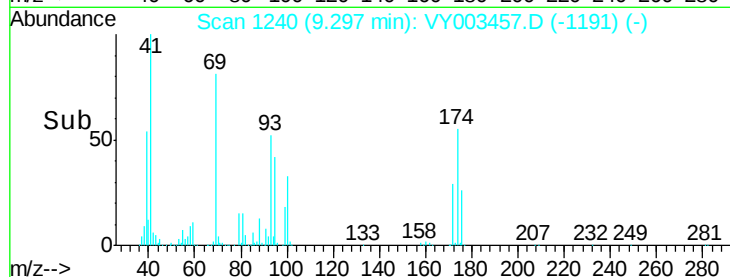
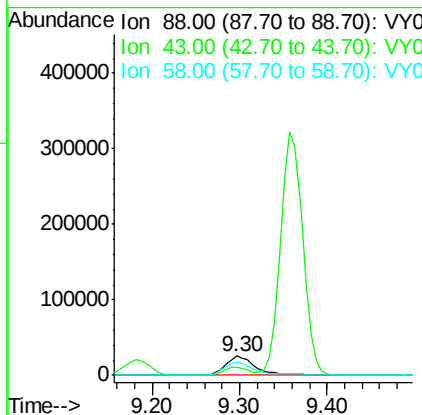
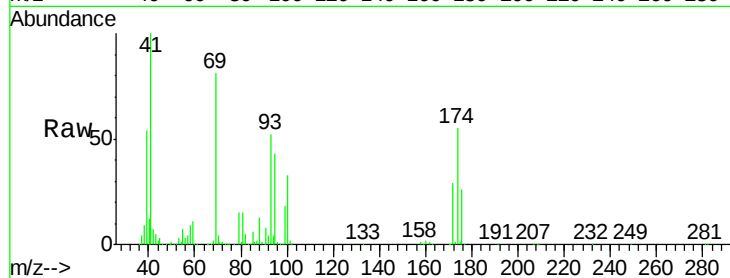
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	62265
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.6	43.0
58	66.6	51.8	77.6

Manual Integrations
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#50

Toluene-d8

Concen: 111.226 ug/l

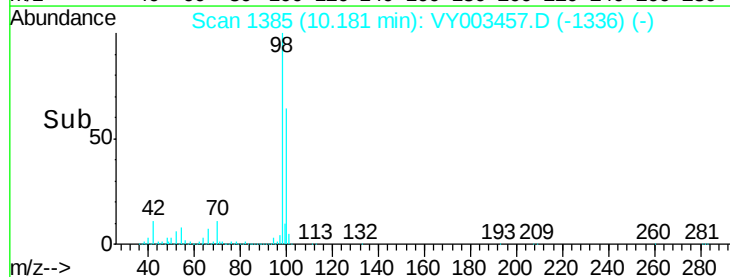
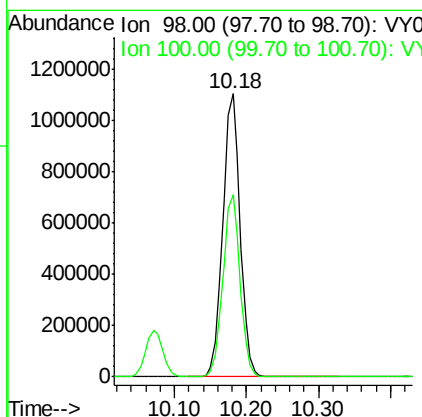
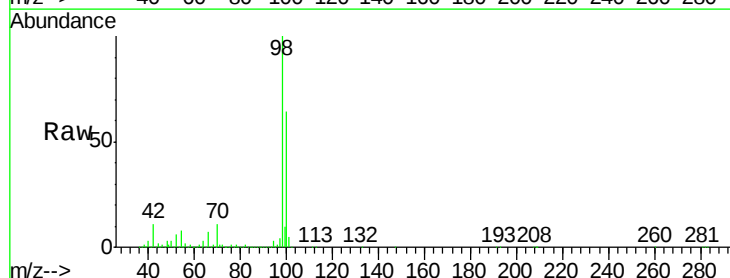
RT: 10.18 min Scan# 1385

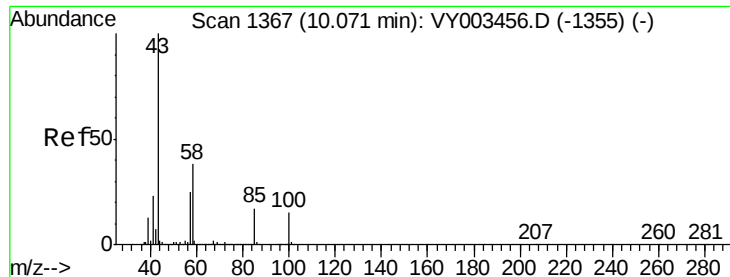
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	98	Resp:	1848006
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 513.769 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1962051

Ion Ratio Lower Upper

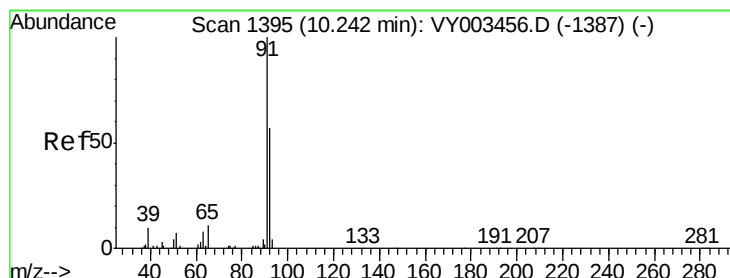
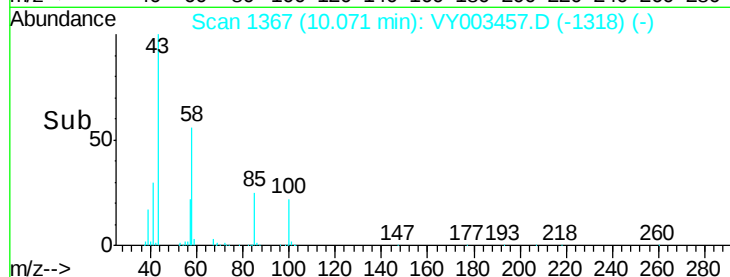
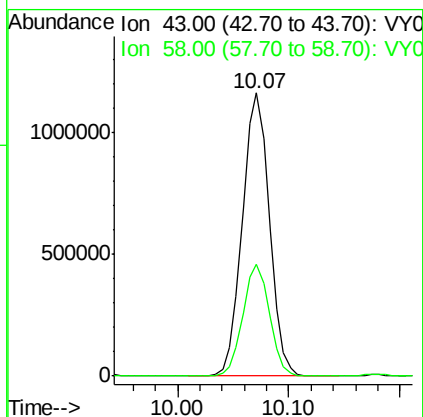
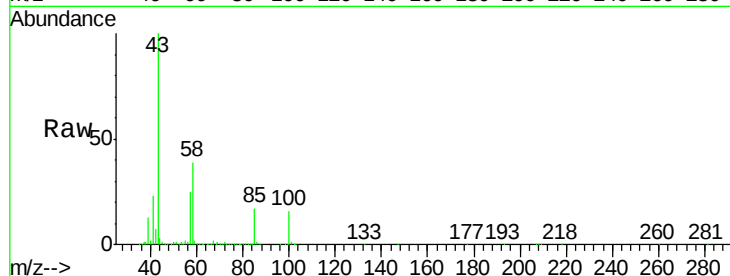
43 100

58 38.9 30.4 45.6

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#52

Toluene

Concen: 103.853 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003457.D

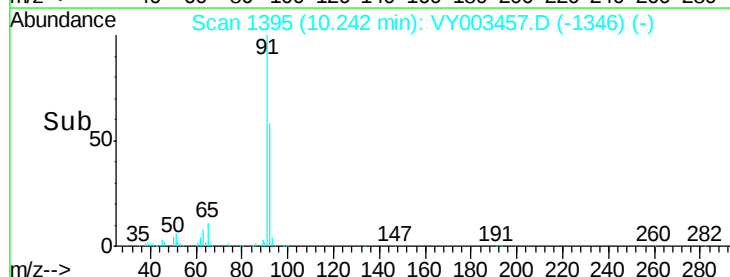
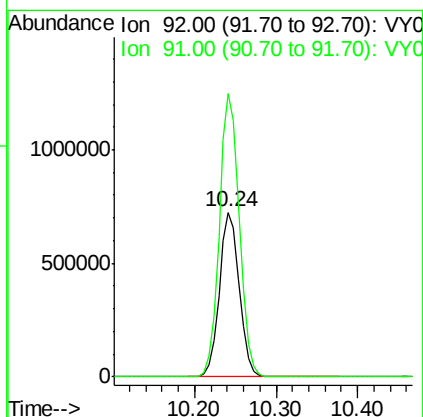
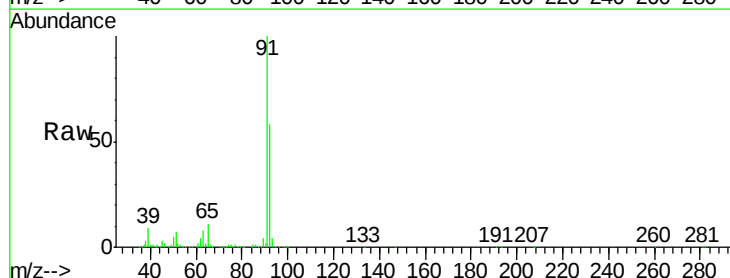
Acq: 05 Oct 2020 16:34

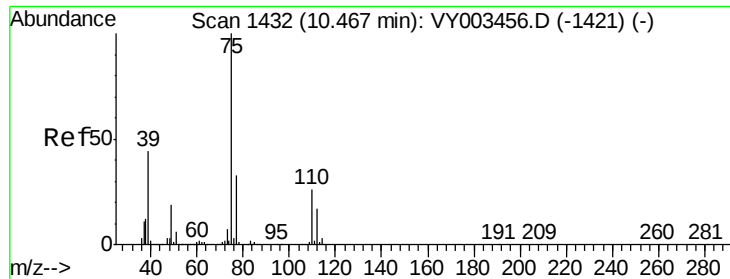
Tgt Ion: 92 Resp: 1220510

Ion Ratio Lower Upper

92 100

91 173.3 140.0 210.0





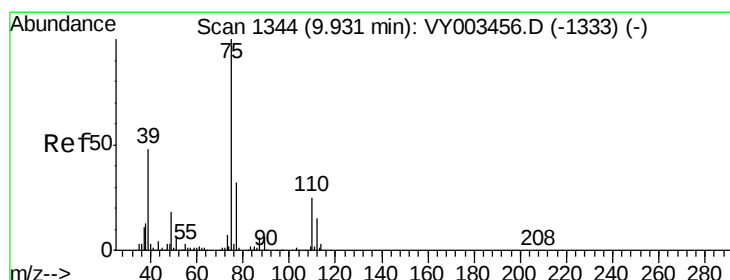
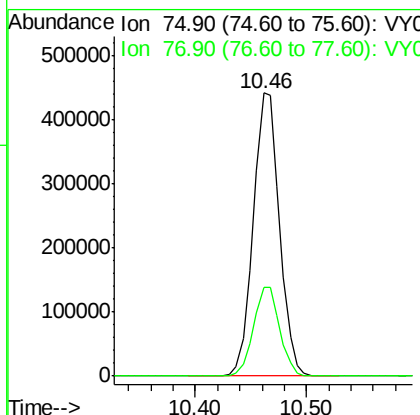
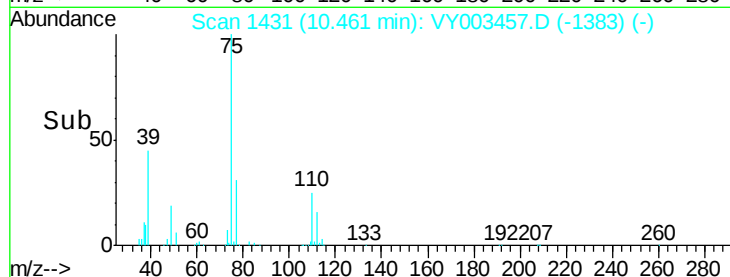
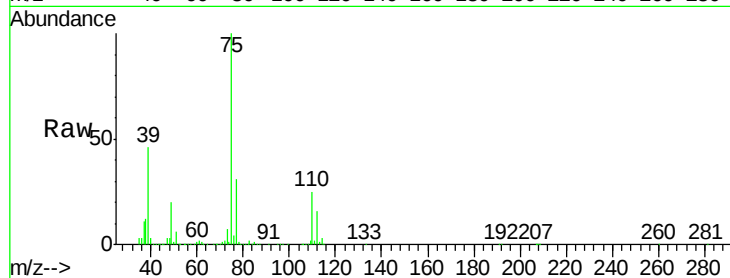
#53
t-1,3-Dichloropropene
Concen: 102.637 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 722953
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0

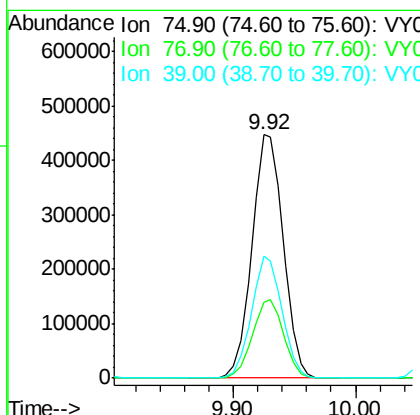
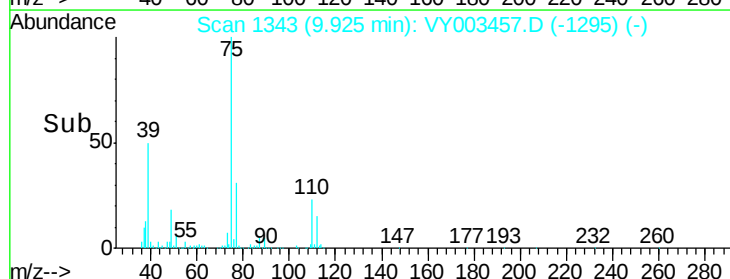
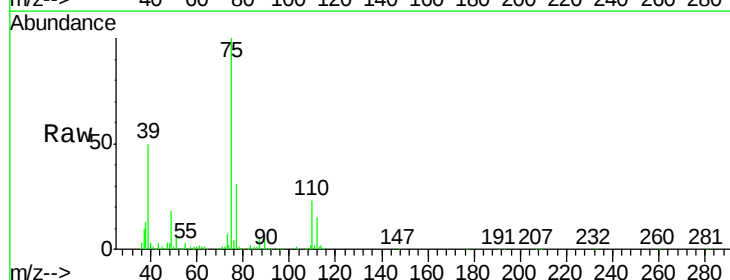
Manual Integrations
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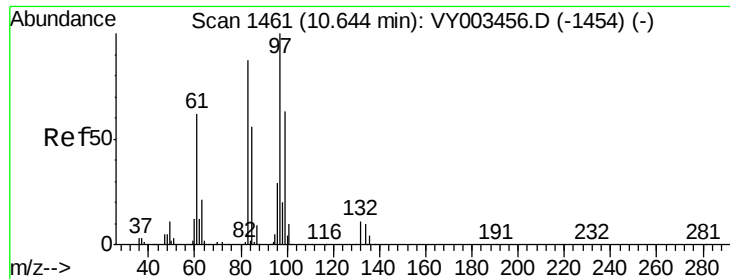
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 100.367 ug/l
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion: 75 Resp: 797761
Ion Ratio Lower Upper
75 100
77 31.0 25.9 38.9
39 49.9 38.7 58.1





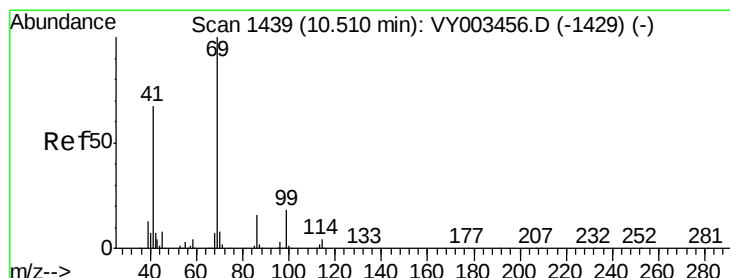
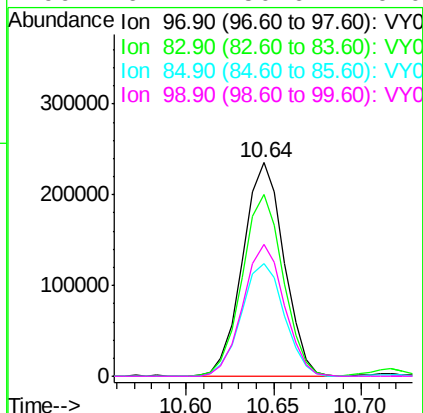
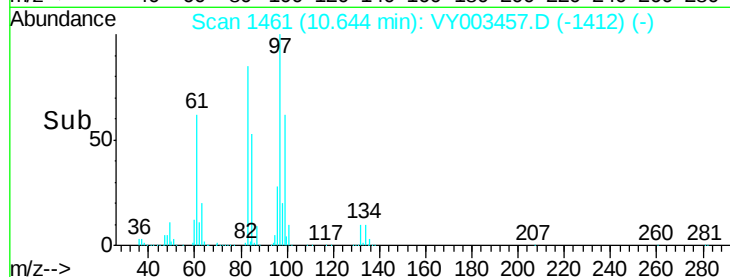
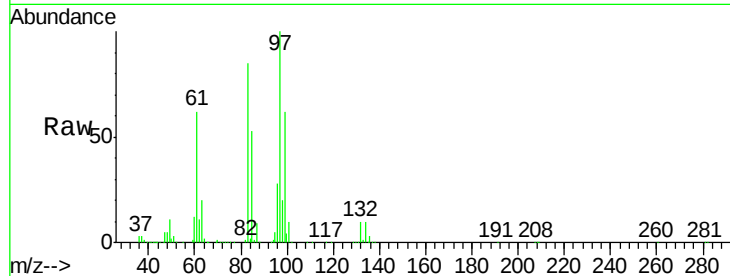
#55
 1,1,2-Trichloroethane
 Concen: 100.443 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	385813
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.9	104.9
85	53.0	44.5	66.7
99	61.7	50.6	76.0

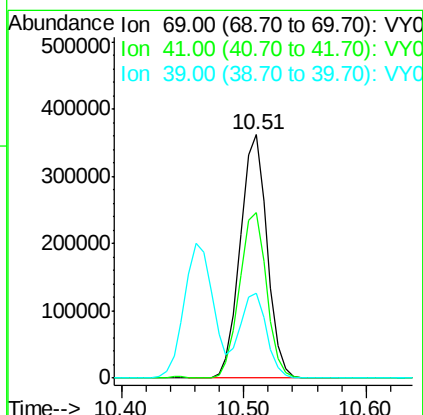
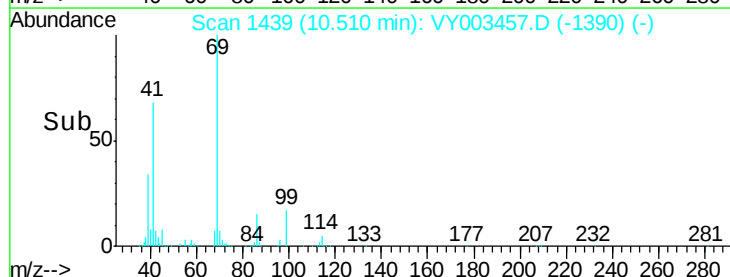
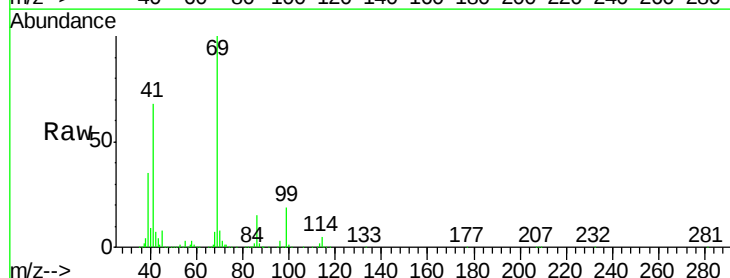
Manual Integrations
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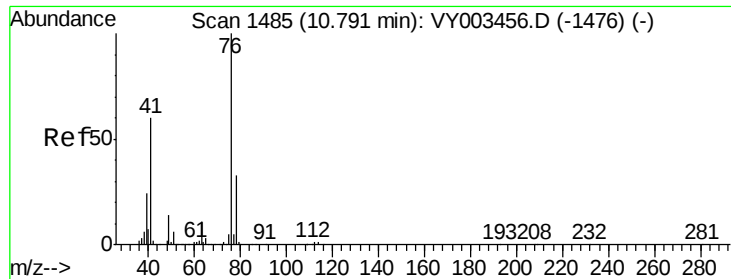
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#56
 Ethyl methacrylate
 Concen: 103.562 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion:	69	Resp:	550328
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.4	83.2
39	35.0	28.8	43.2





#57

1,3-Dichloropropane

Concen: 100.264 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 671102

Ion Ratio Lower Upper

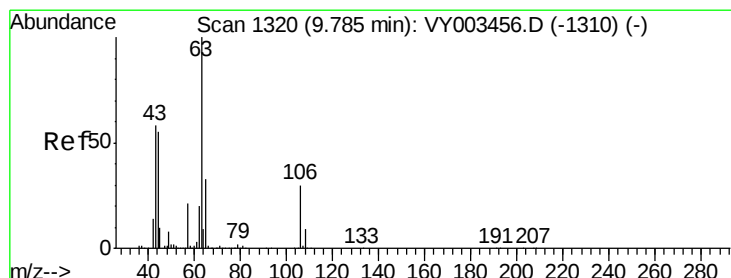
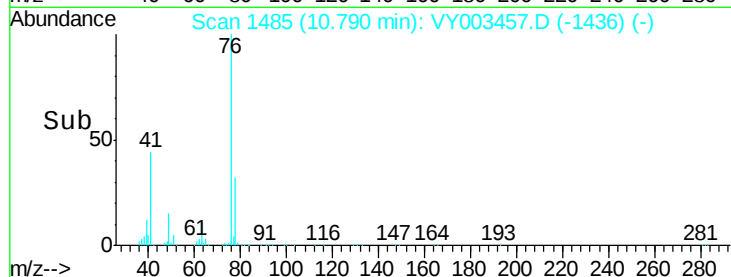
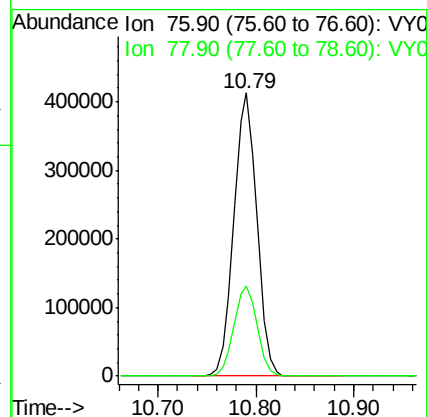
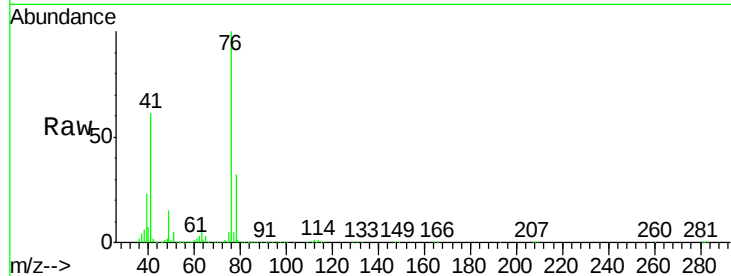
76 100

78 32.4 26.2 39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 552.643 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003457.D

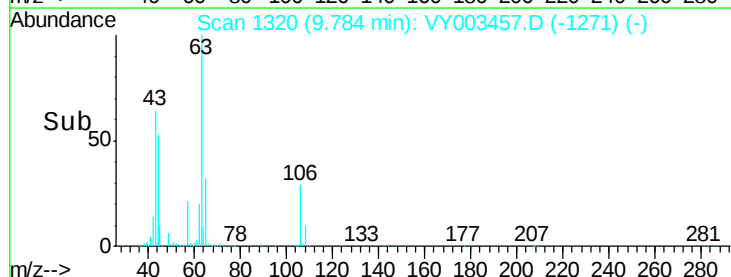
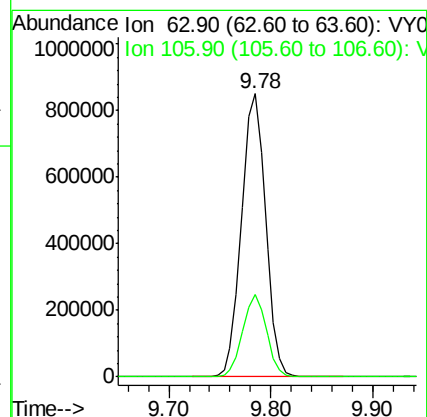
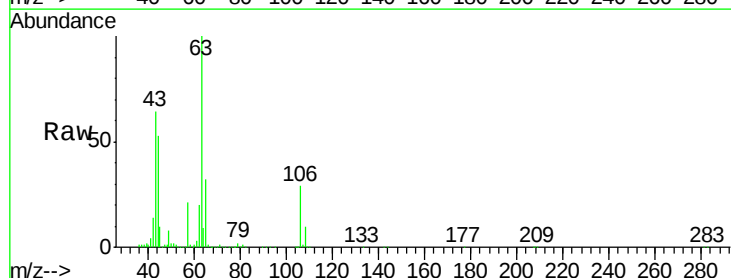
Acq: 05 Oct 2020 16:34

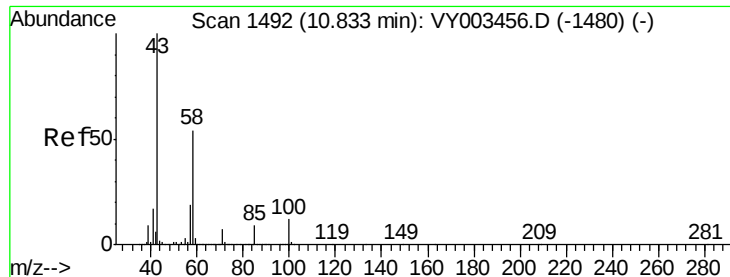
Tgt Ion: 63 Resp: 1391914

Ion Ratio Lower Upper

63 100

106 28.7 22.8 34.2





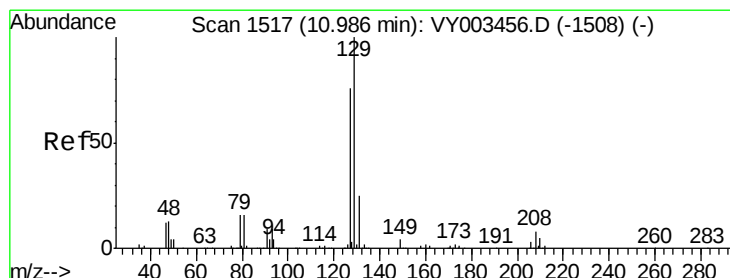
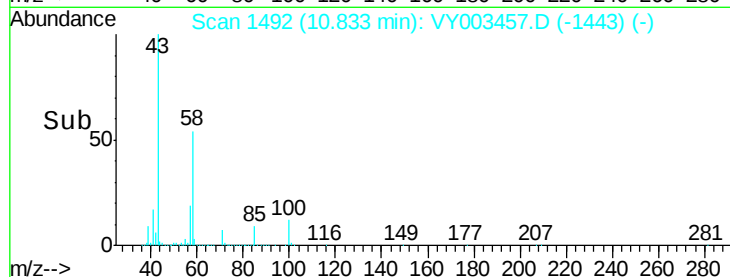
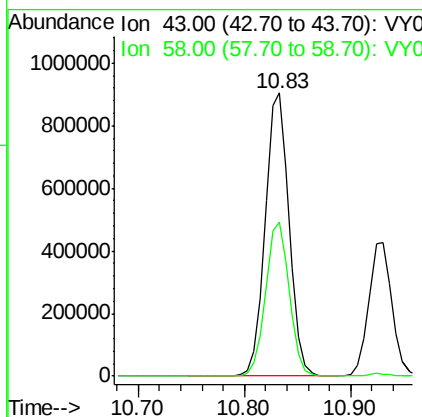
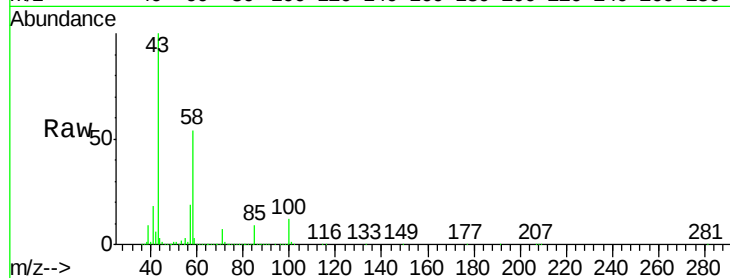
#59
2-Hexanone
Concen: 531.459 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1417042
Ion Ratio Lower Upper
43 100
58 54.0 26.8 80.3

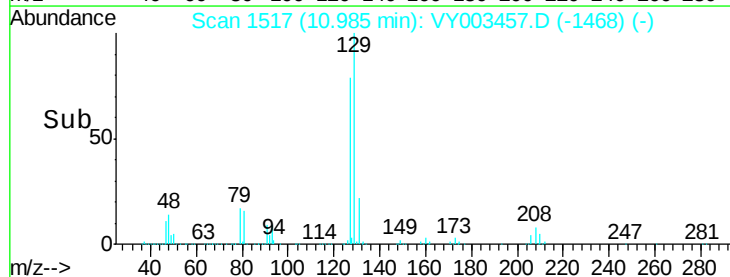
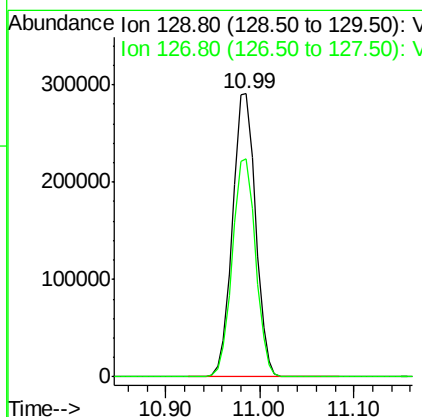
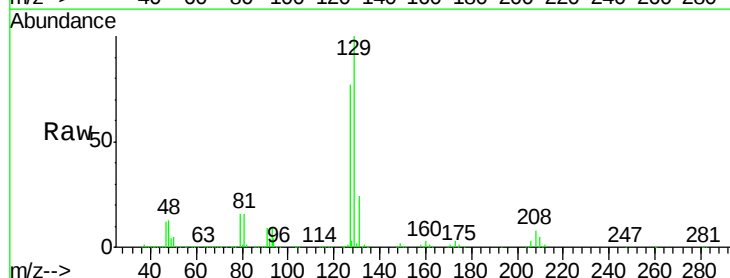
Manual Integrations
APPROVED

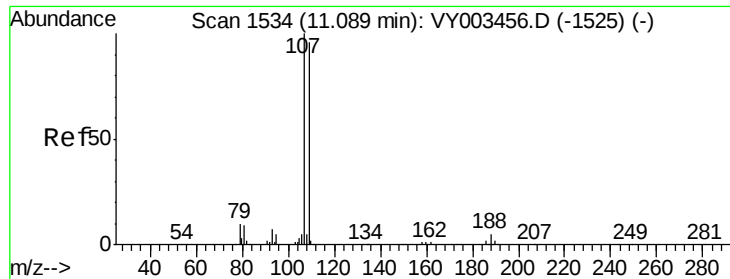
MMDadoda
10/6/2020 12:55:42 PM



#60
Dibromochloromethane
Concen: 102.544 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion: 129 Resp: 495955
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 99.730 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 372236

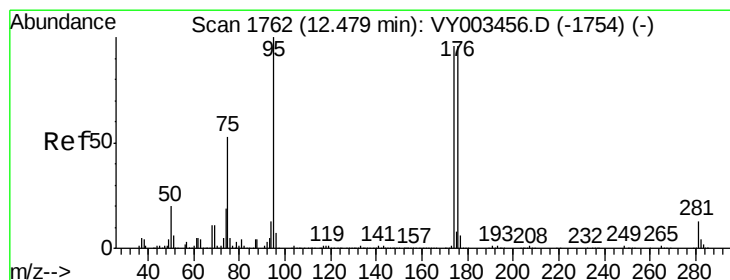
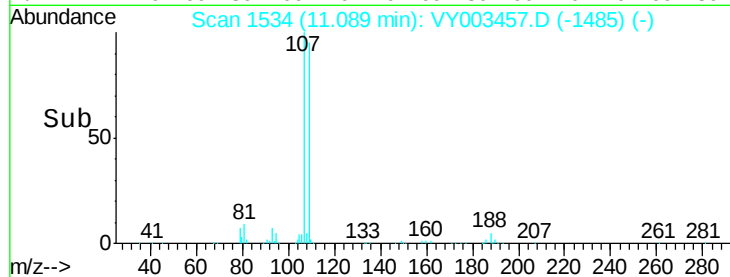
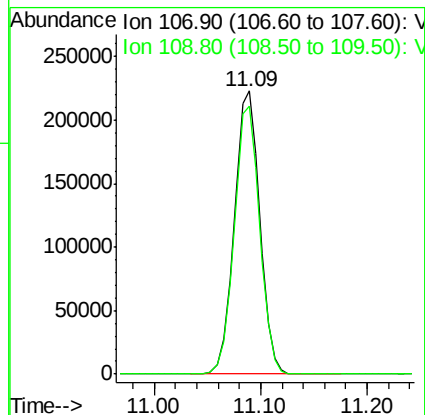
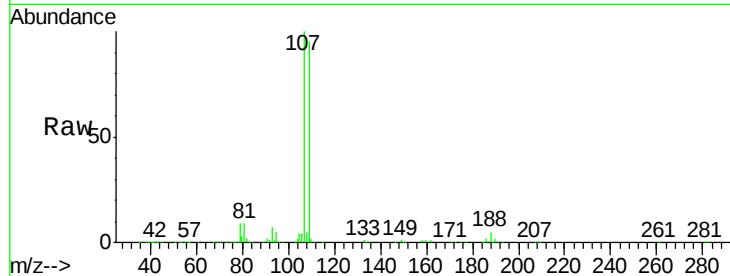
Ion Ratio Lower Upper

107 100

109 94.9 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:42 PM



#62

4-Bromofluorobenzene

Concen: 114.769 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

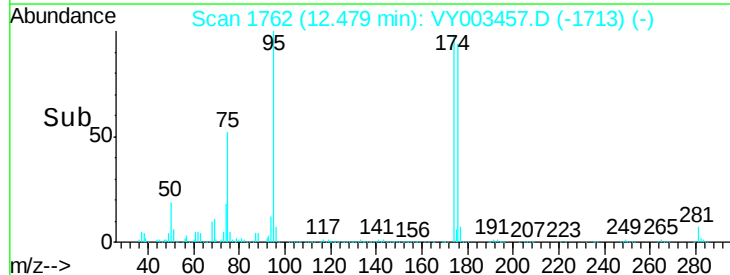
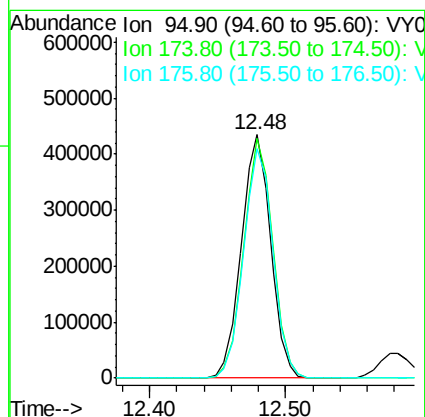
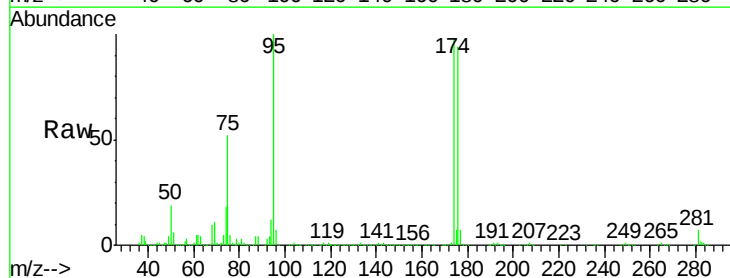
Tgt Ion: 95 Resp: 654834

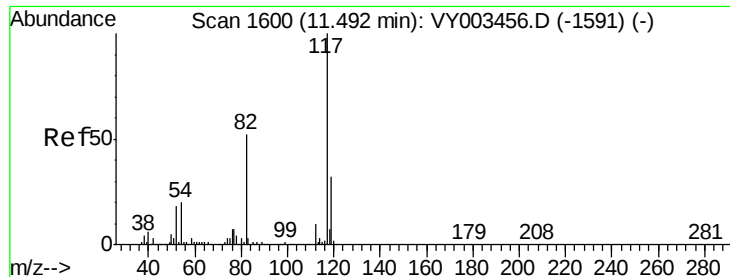
Ion Ratio Lower Upper

95 100

174 97.6 0.0 197.0

176 94.6 0.0 193.6





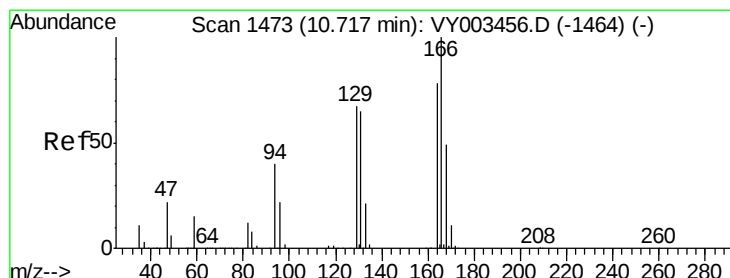
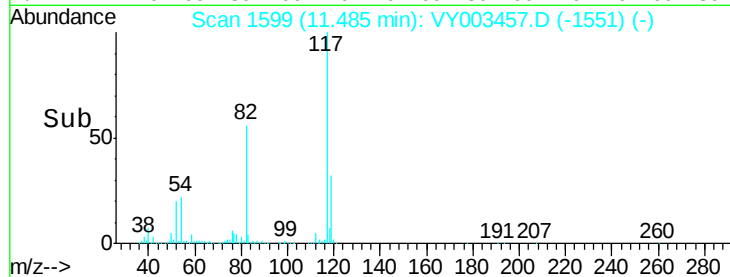
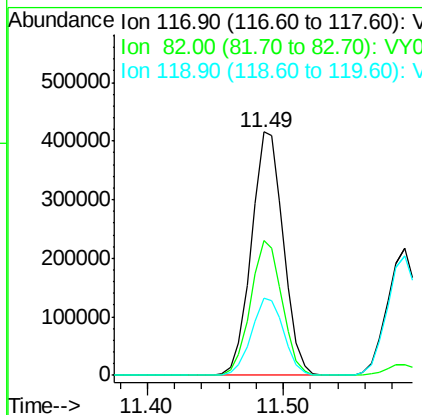
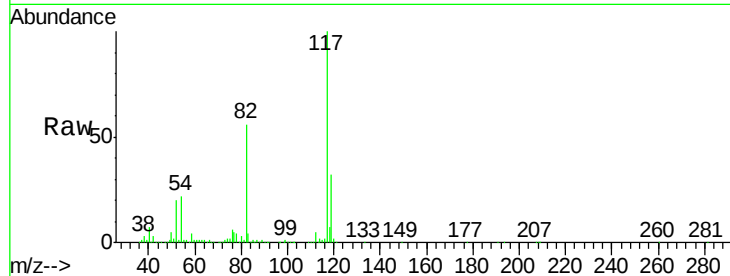
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	41.7	62.5
119	31.7	25.3	37.9

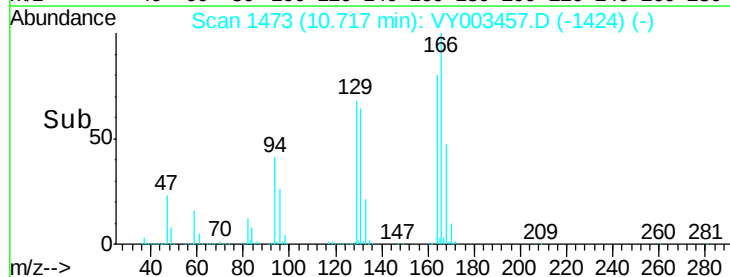
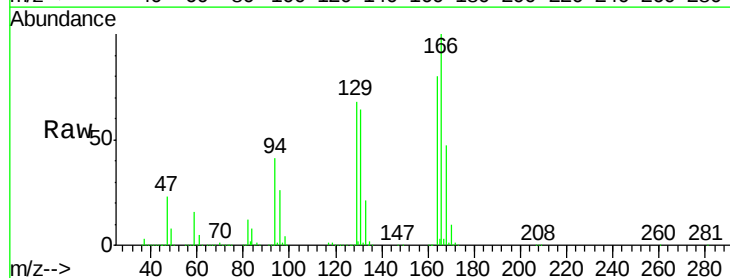
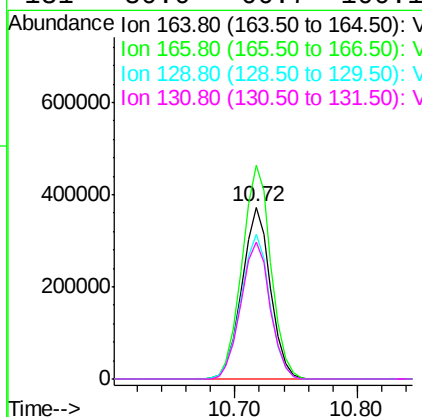
Manual Integrations
APPROVED

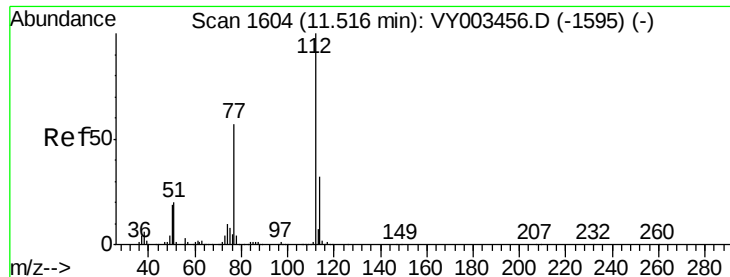
MMDadoda
10/6/2020 12:55:42 PM



#64
Tetrachloroethene
Concen: 104.331 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.0	154.6
129	84.3	68.9	103.3
131	80.0	66.7	100.1





#65

Chlorobenzene

Concen: 100.781 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1346069

Ion Ratio Lower Upper

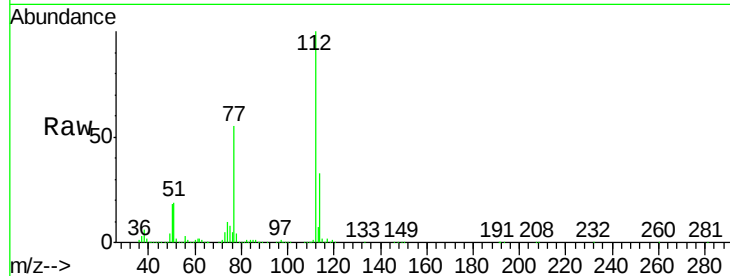
112 100

114 32.8 25.8 38.6

Manual Integrations
APPROVED

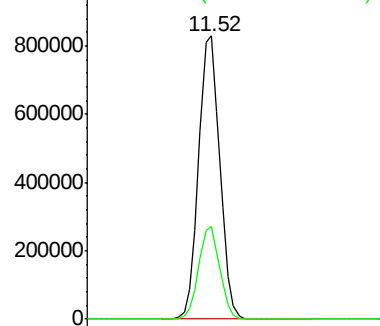
MMDadoda

10/6/2020 12:55:42 PM

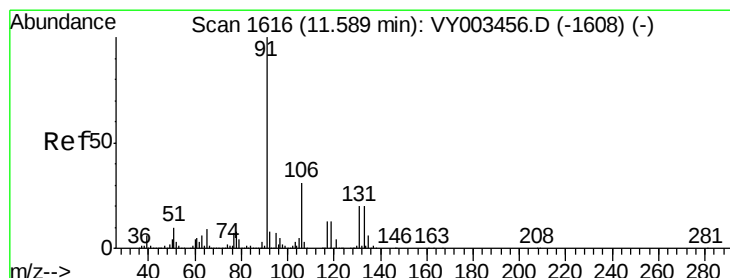
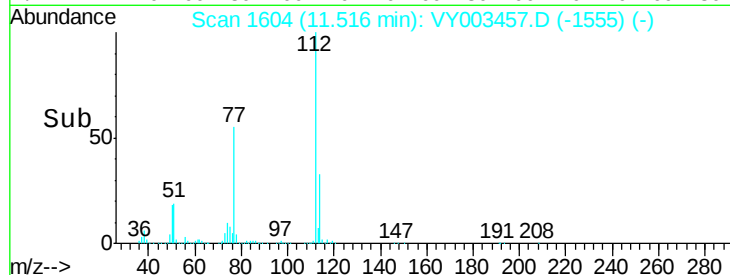


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 100.035 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

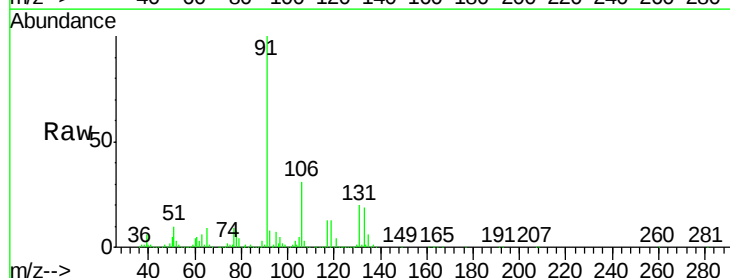
Tgt Ion:131 Resp: 519498

Ion Ratio Lower Upper

131 100

133 95.6 48.3 144.8

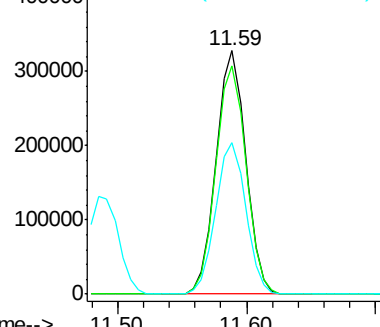
119 63.5 31.5 94.5



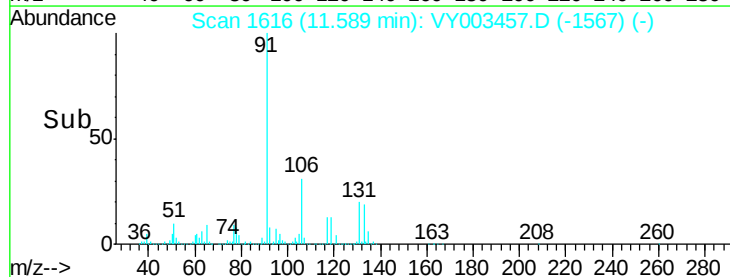
Abundance Ion 130.80 (130.50 to 131.50): V

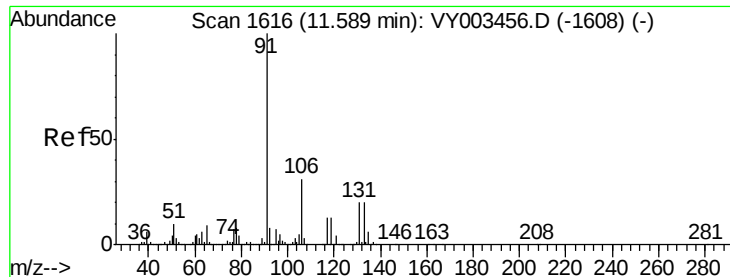
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.50 11.60





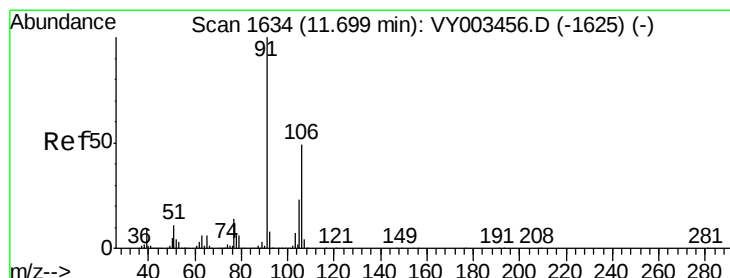
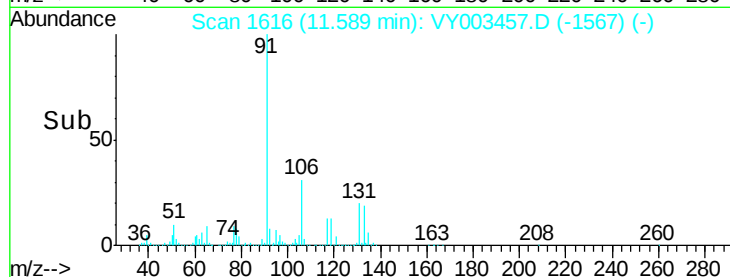
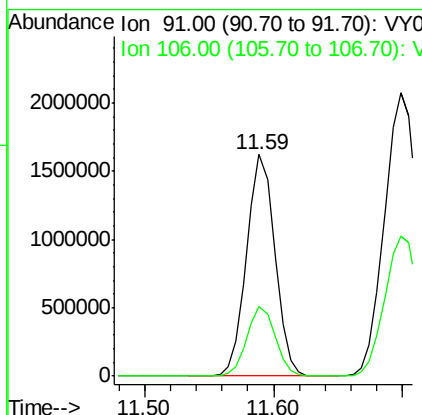
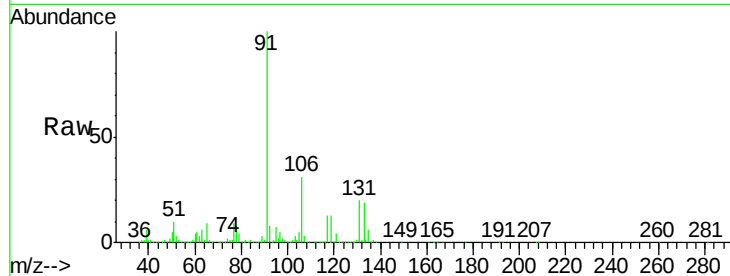
#67
Ethyl Benzene
Concen: 102.364 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2464253
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

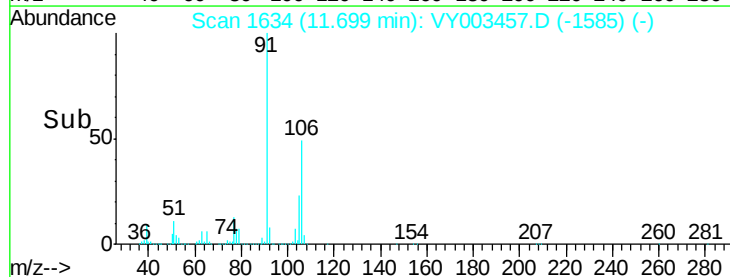
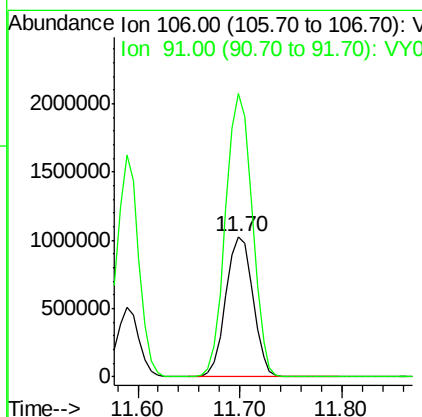
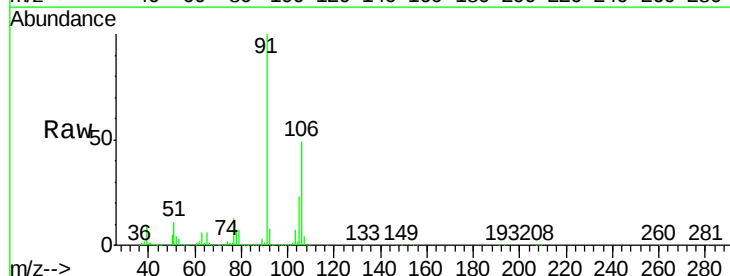
Manual Integrations
APPROVED

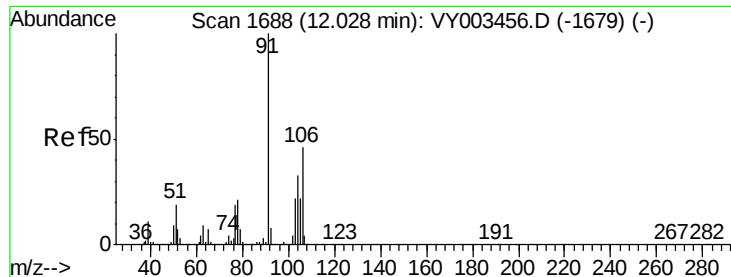
MMDadoda
10/6/2020 12:55:42 PM



#68
m/p-Xylenes
Concen: 207.297 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion: 106 Resp: 1885559
Ion Ratio Lower Upper
106 100
91 199.6 160.9 241.3





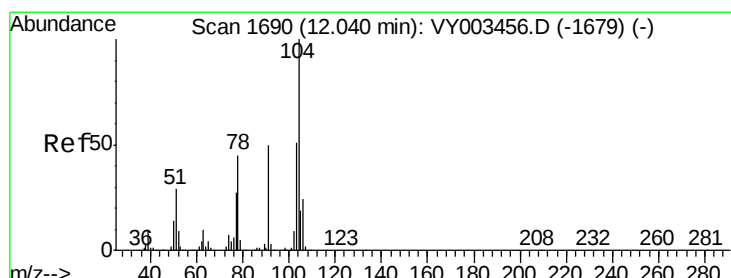
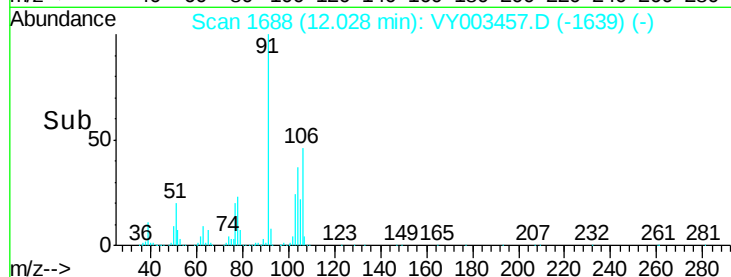
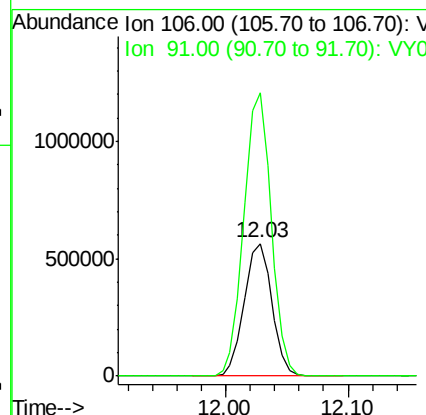
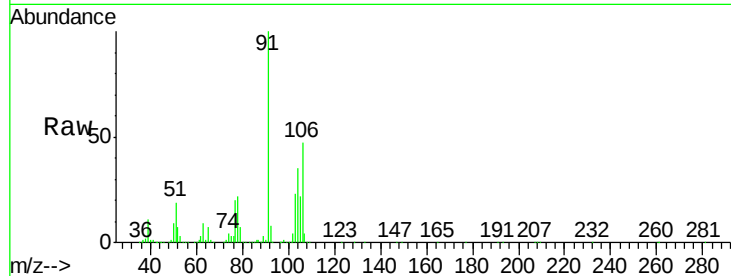
#69
o-Xylene
Concen: 104.220 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		886493		
91	211.2	106.8	320.4		

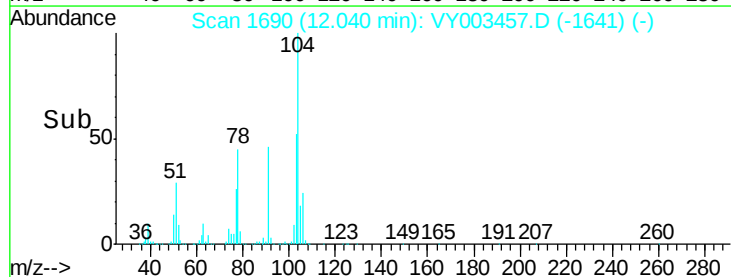
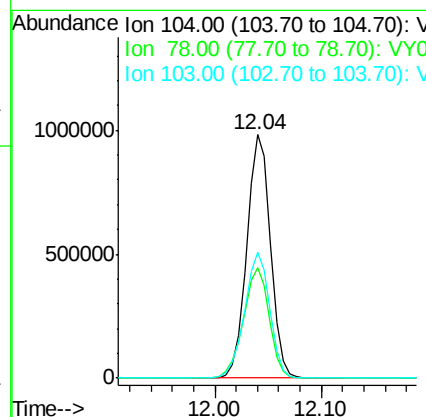
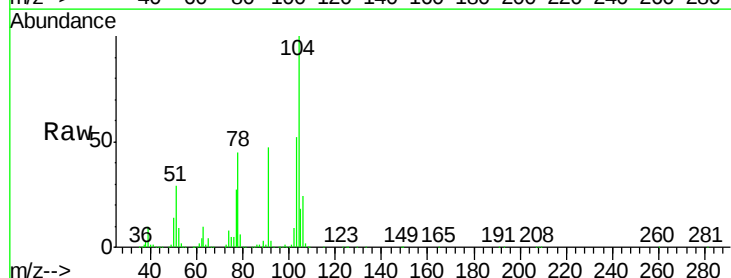
Manual Integrations
APPROVED

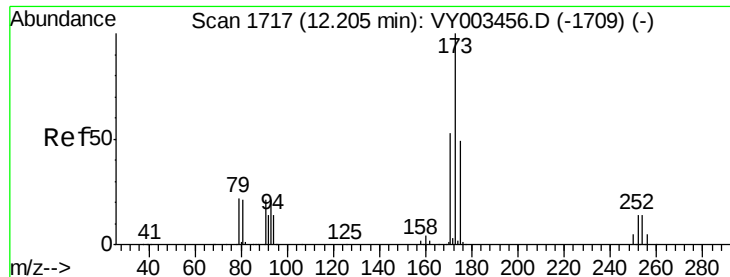
MMDadoda
10/6/2020 12:55:42 PM



#70
Styrene
Concen: 104.904 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	39.0	58.6	
103	55.4	44.2	66.4	





#71

Bromoform

Concen: 102.708 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 347745

Ion Ratio Lower Upper

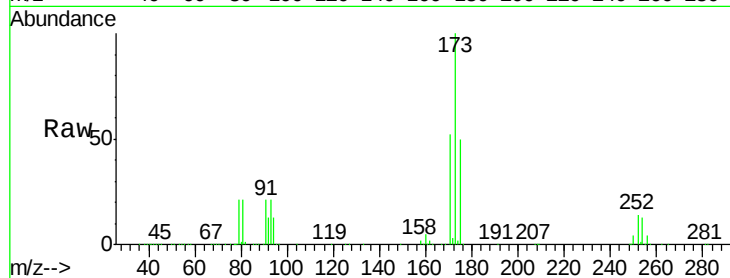
173 100

175 48.8 24.9 74.7

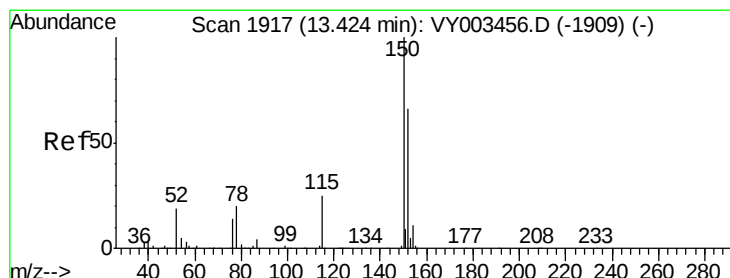
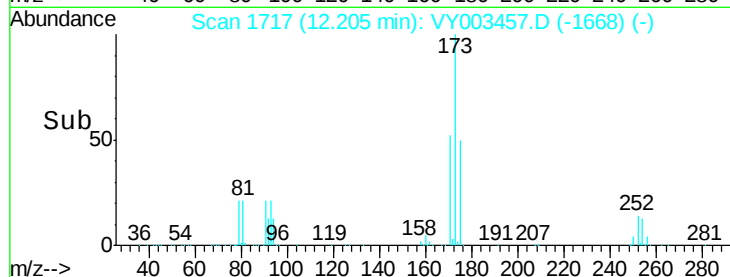
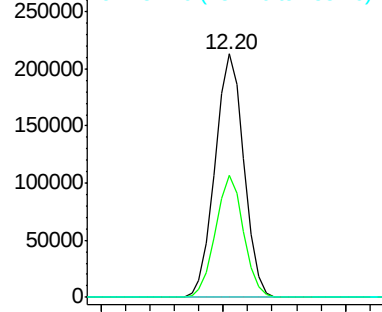
254 0.2 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:42 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

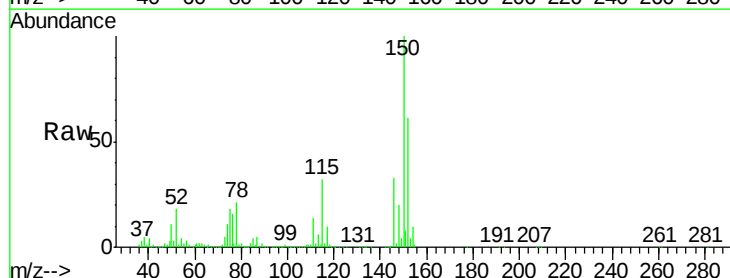
Tgt Ion:152 Resp: 382216

Ion Ratio Lower Upper

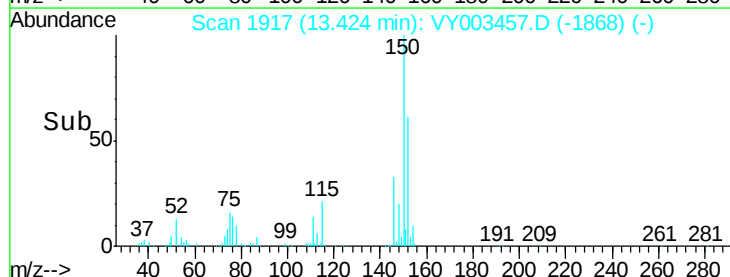
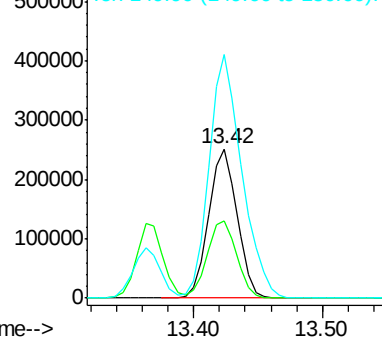
152 100

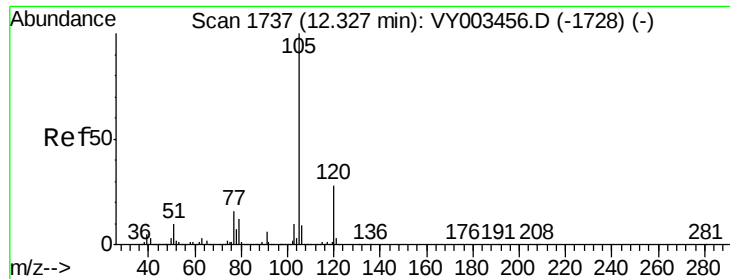
115 53.7 27.0 80.8

150 188.6 0.0 343.6



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





#73

Isopropylbenzene

Concen: 99.307 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2424841

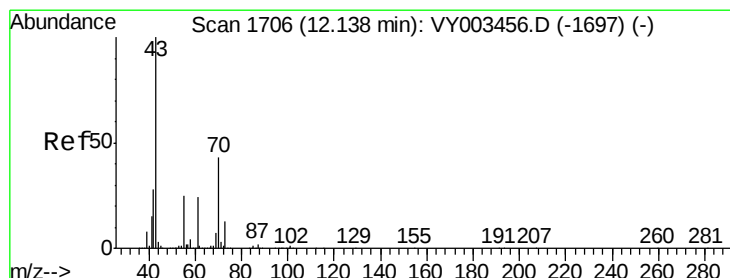
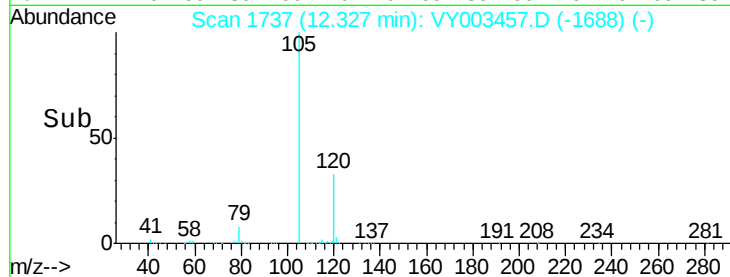
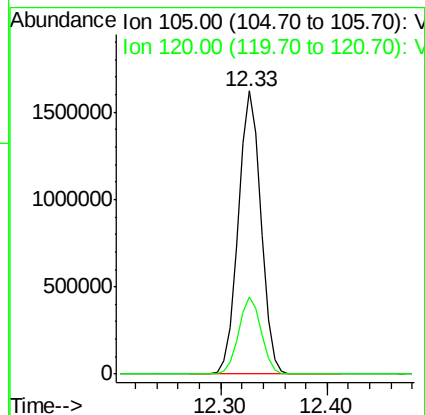
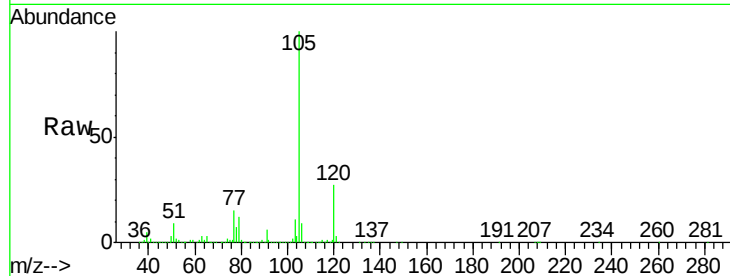
Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.0

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:42 PM



#74

N-ethyl acetate

Concen: 98.300 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion: 43 Resp: 705169

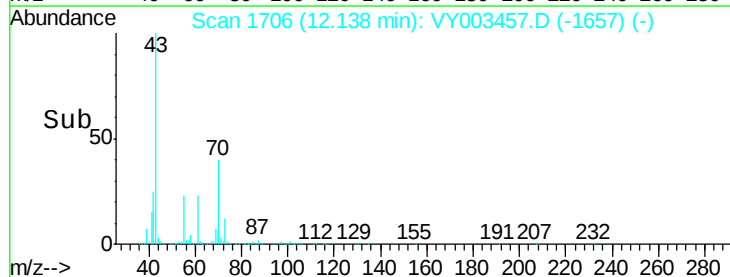
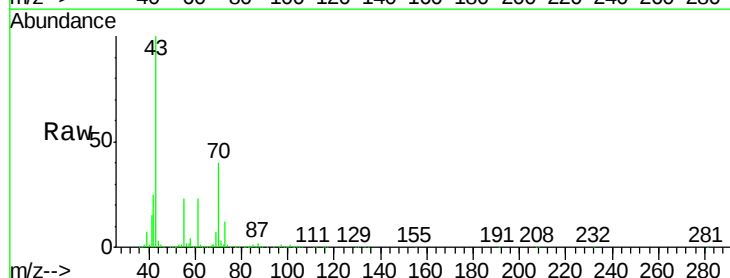
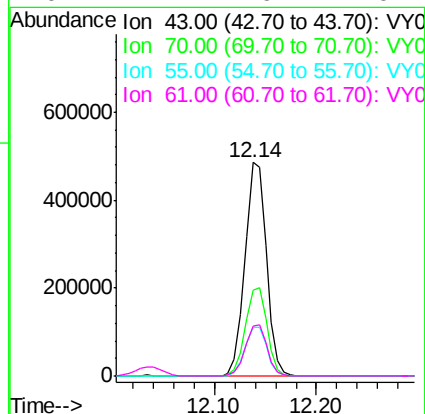
Ion Ratio Lower Upper

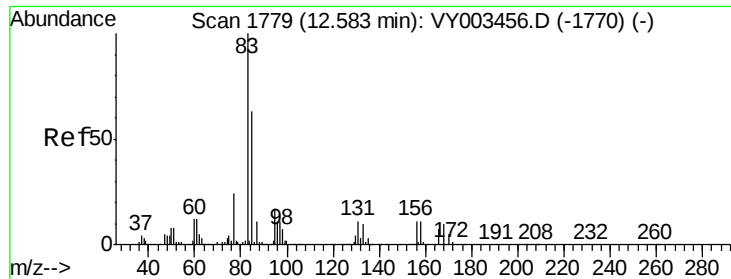
43 100

70 41.8 34.0 51.0

55 23.7 19.5 29.3

61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 94.008 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

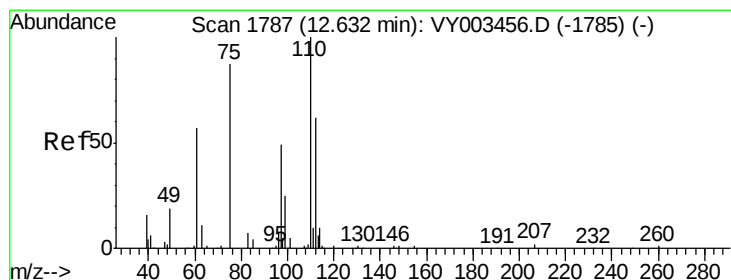
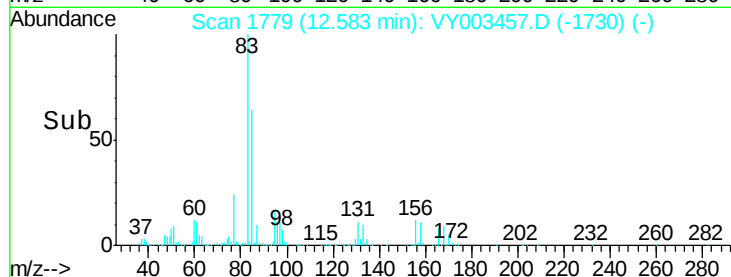
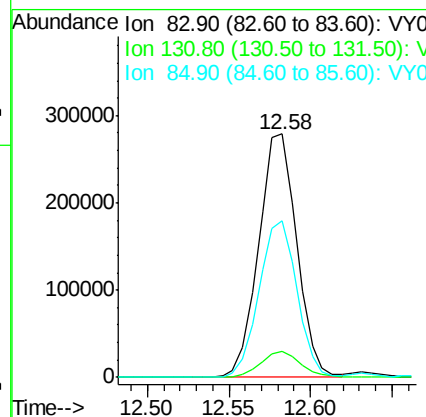
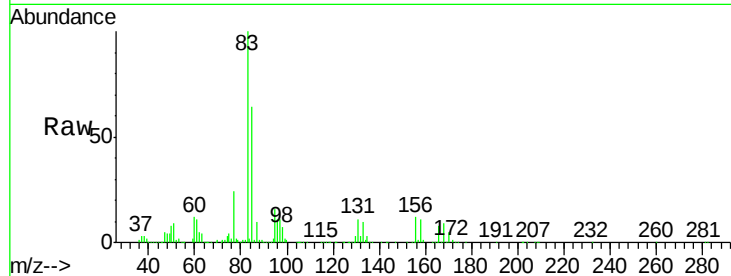
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	452654
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 93.198 ug/l m

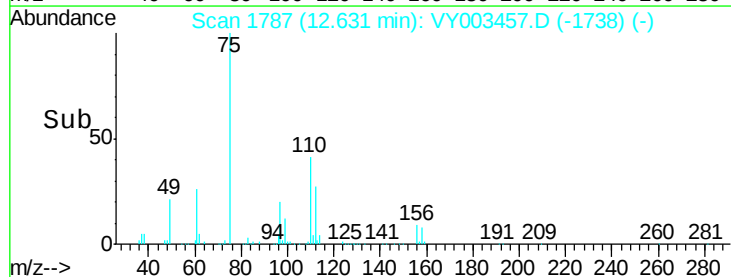
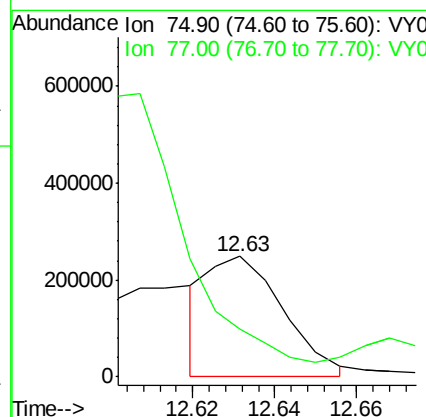
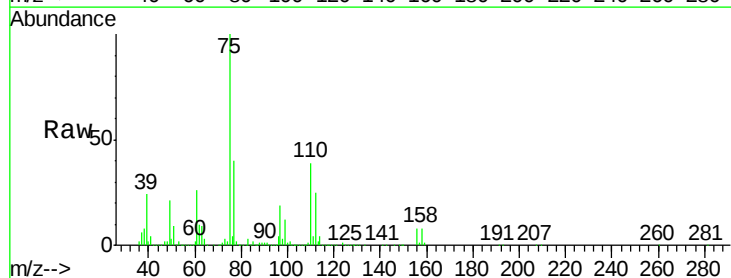
RT: 12.63 min Scan# 1787

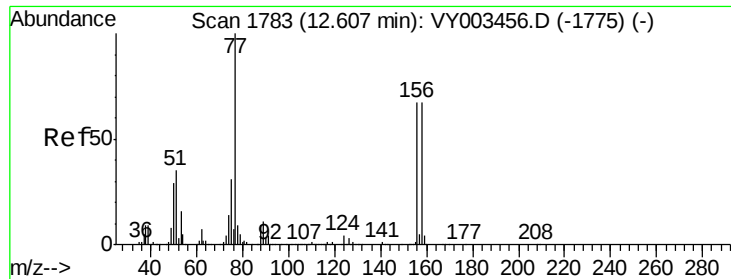
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	75	Resp:	317216
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





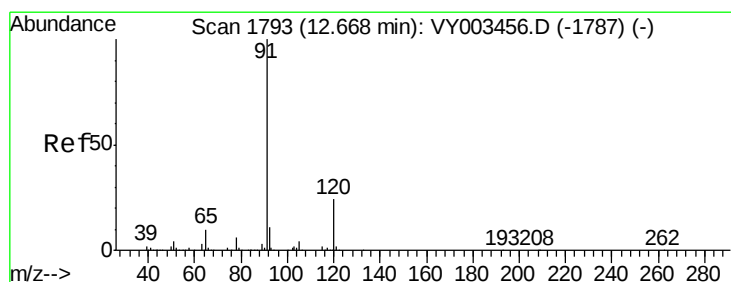
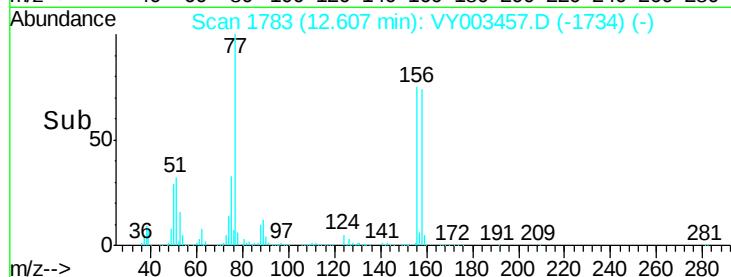
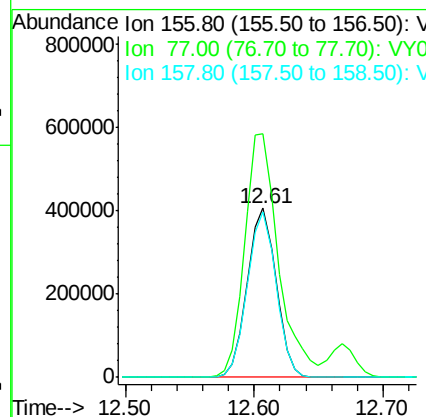
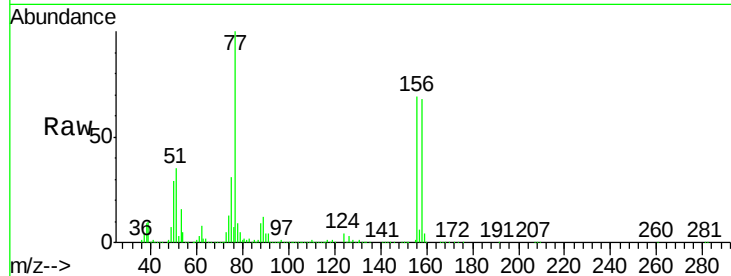
#77
Bromobenzene
Concen: 100.757 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.9	84.5	253.4
158	97.4	49.4	148.2

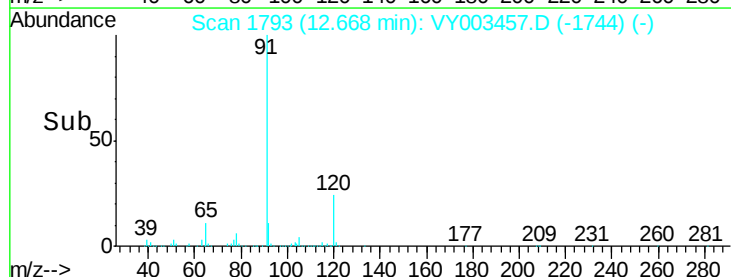
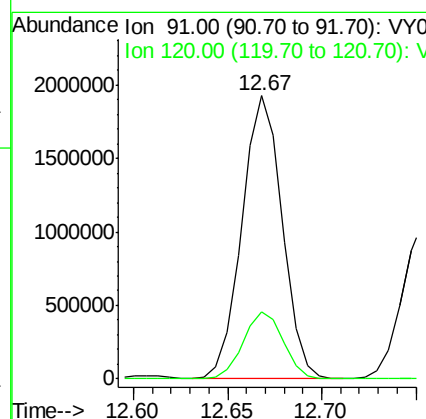
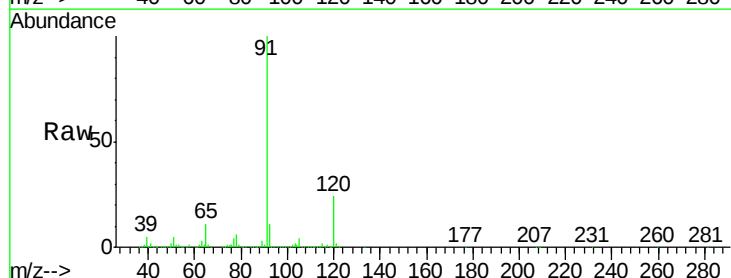
Manual Integrations
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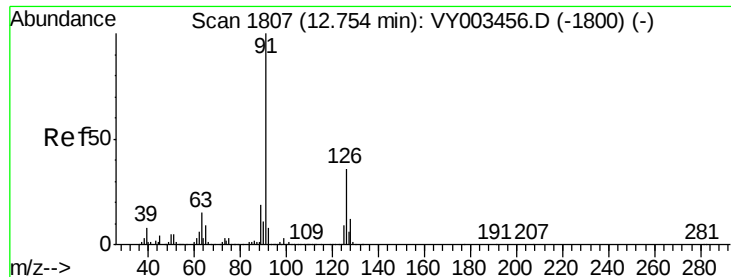
MMDadoda
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#78
n-propylbenzene
Concen: 97.806 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 97.961 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1589940

Ion Ratio Lower Upper

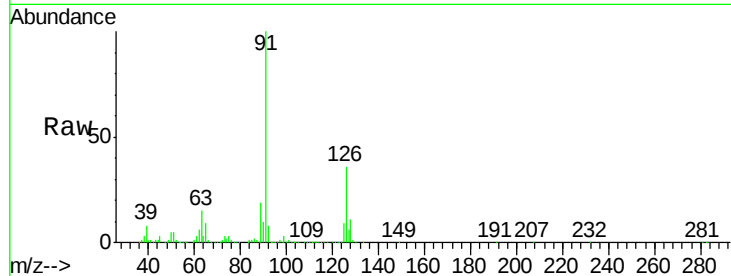
91 100

126 36.0 17.8 53.3

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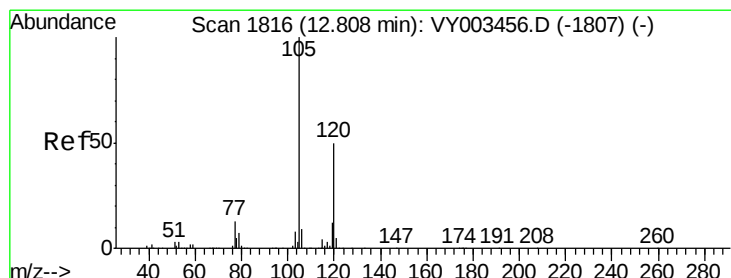
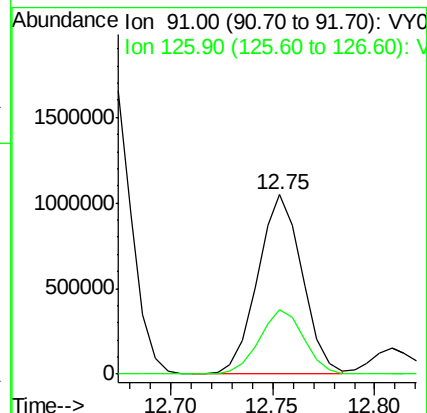
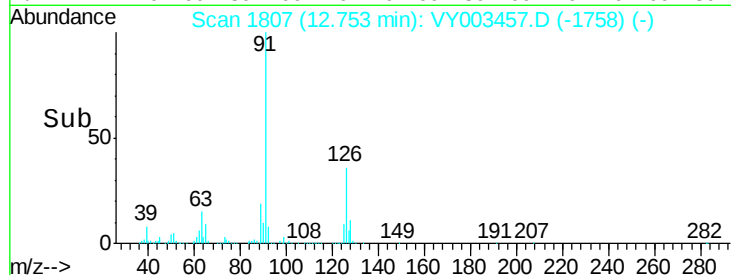
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Abundance Ion 91.00 (90.70 to 91.70): VY003457.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003457.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 99.660 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003457.D

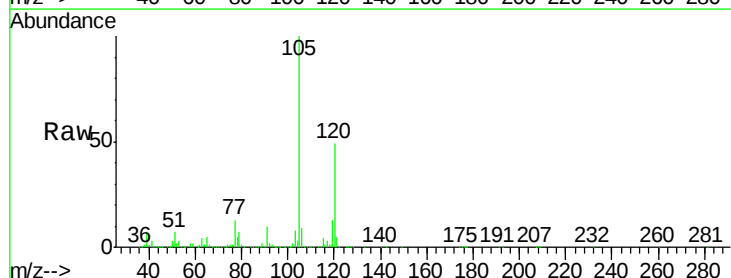
Acq: 05 Oct 2020 16:34

Tgt Ion: 105 Resp: 2051915

Ion Ratio Lower Upper

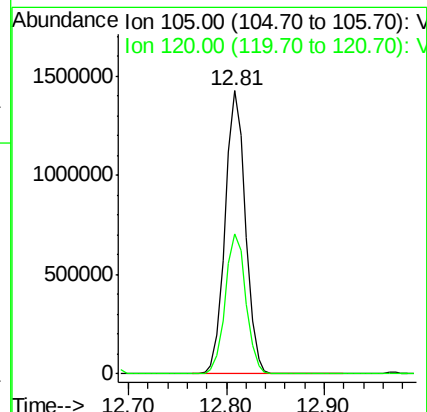
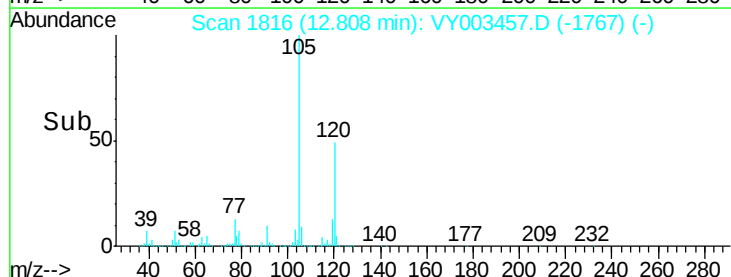
105 100

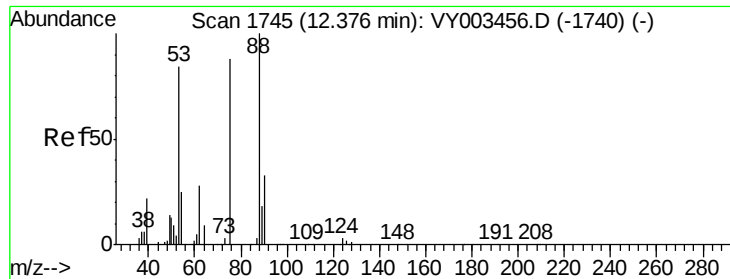
120 49.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VY003457.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003457.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 98.464 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

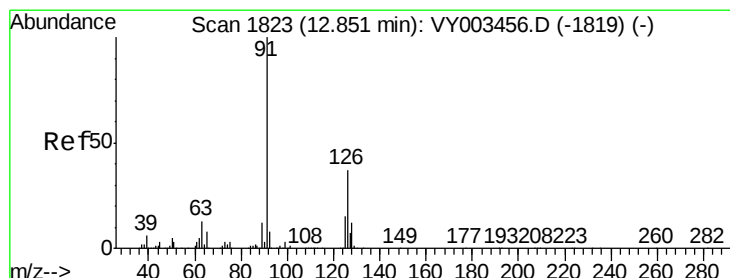
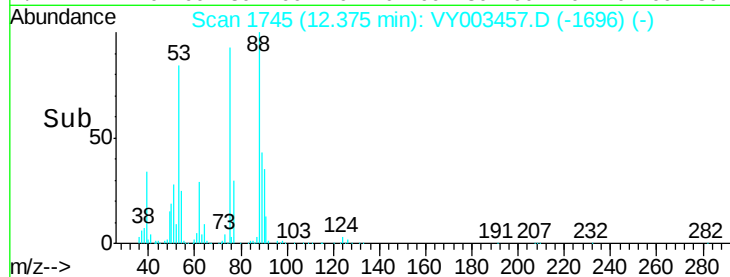
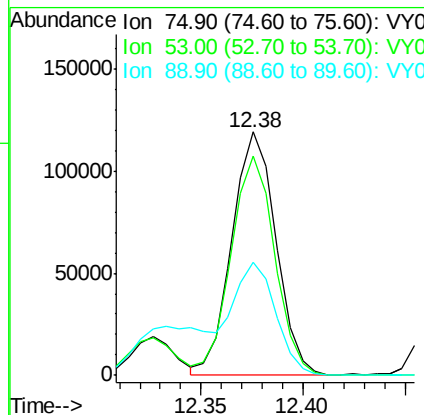
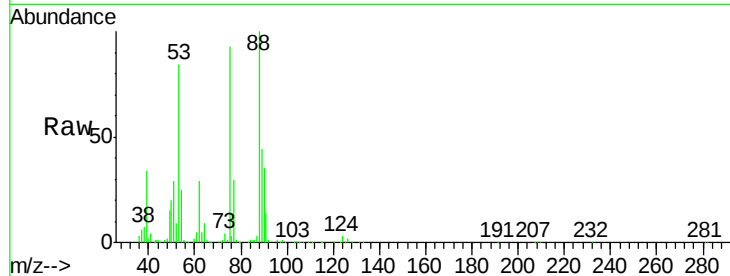
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	177150
Ion	Ratio	Lower	Upper
75	100		
53	90.3	74.2	111.2
89	45.4	36.2	54.4

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#82

4-Chlorotoluene

Concen: 98.930 ug/l

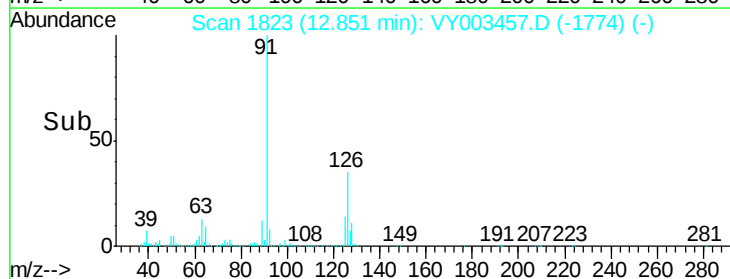
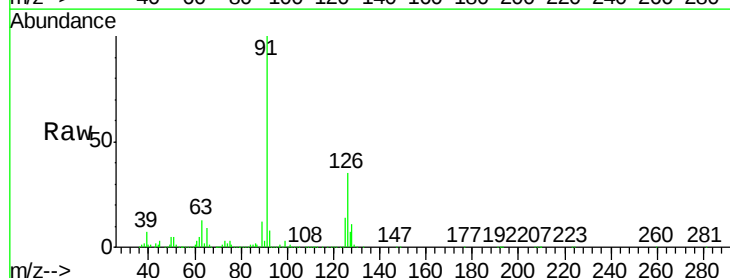
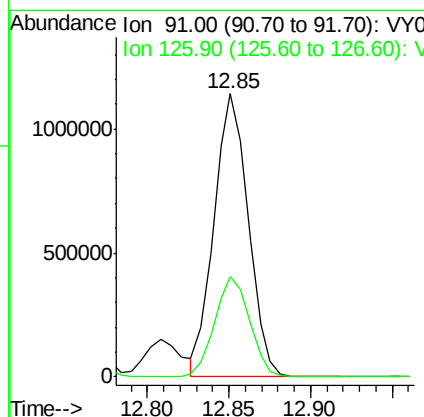
RT: 12.85 min Scan# 1823

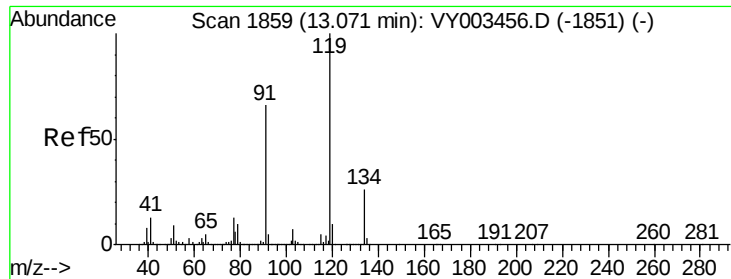
Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Tgt Ion:	91	Resp:	1669486
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.4





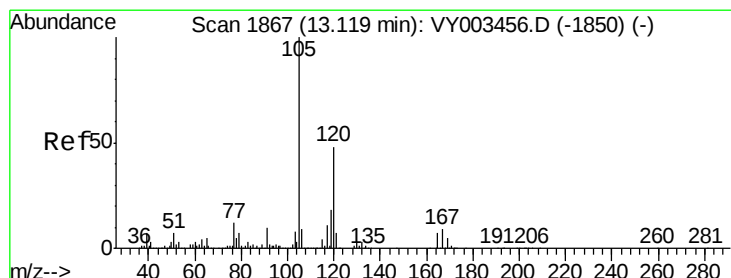
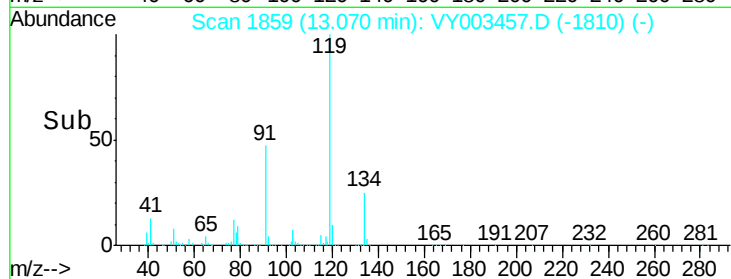
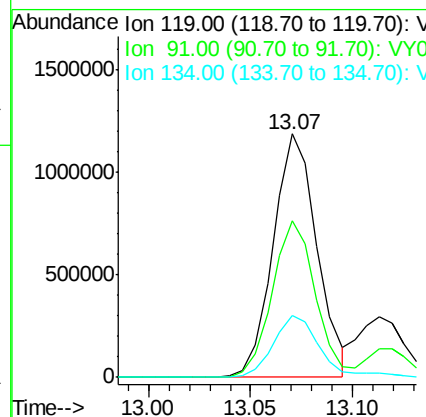
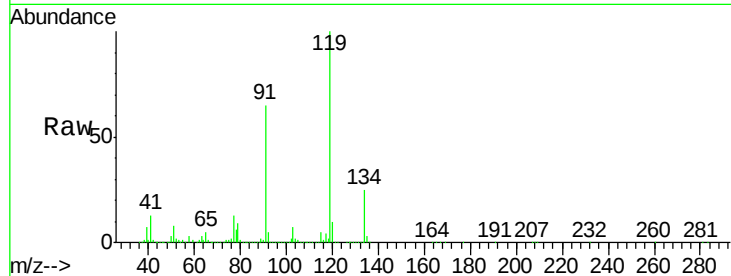
#83
tert-Butylbenzene
Concen: 99.555 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1776342
Ion Ratio Lower Upper
119 100
91 64.1 32.5 97.4
134 27.1 13.6 40.8

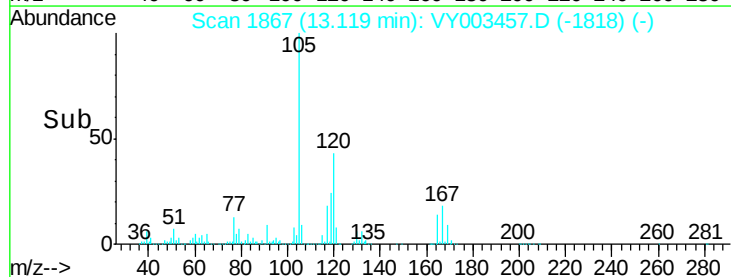
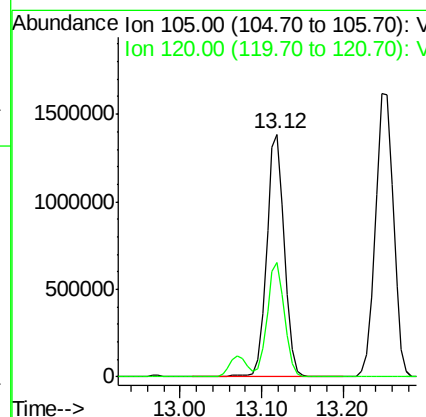
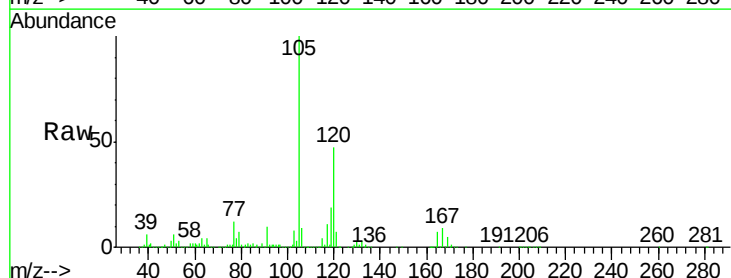
Manual Integrations
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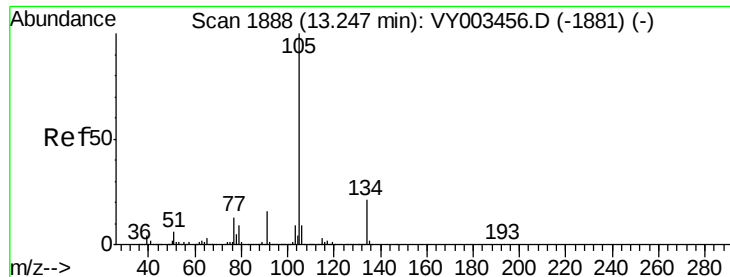
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#84
1,2,4-Trimethylbenzene
Concen: 101.063 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion:105 Resp: 2088620
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5





#85

sec-Butylbenzene

Concen: 98.761 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2450041

Ion Ratio Lower Upper

105 100

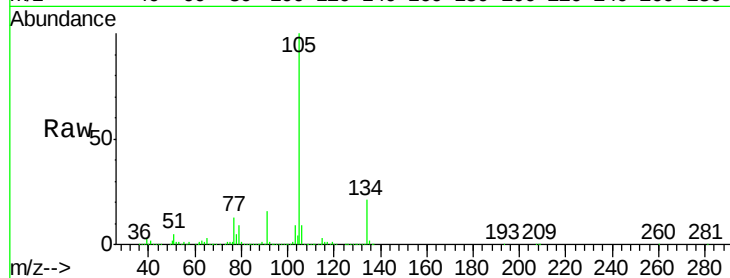
134 21.4 10.6 31.8

Manual Integrations

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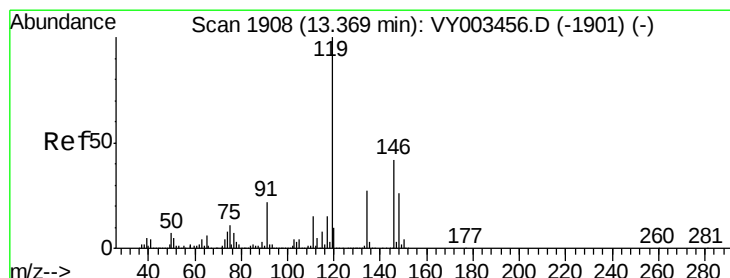
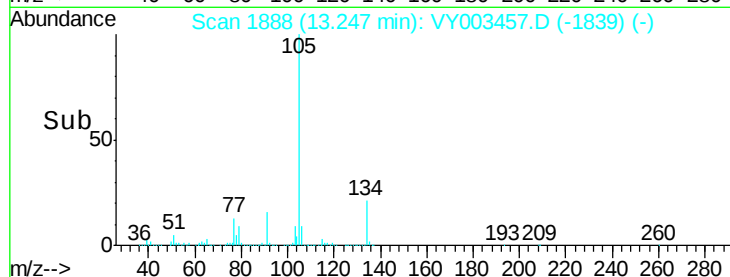
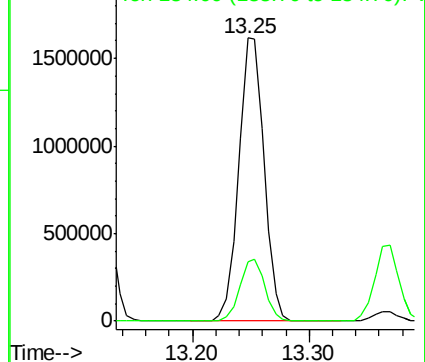
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.171 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY003457.D

Acq: 05 Oct 2020 16:34

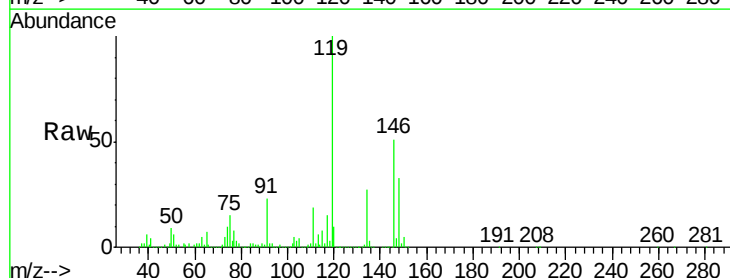
Tgt Ion:119 Resp: 2356687

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

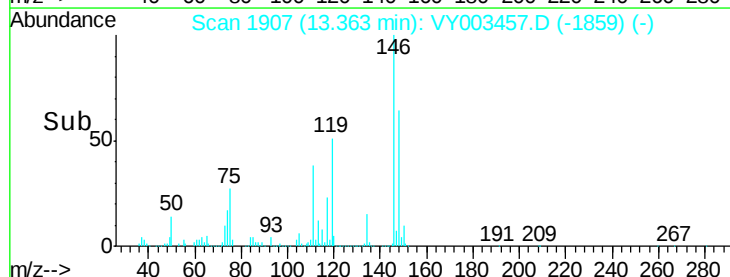
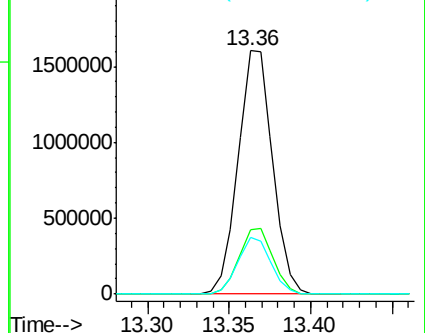
91 22.6 11.4 34.2

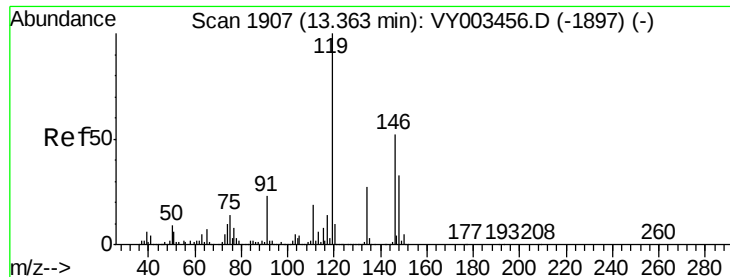


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





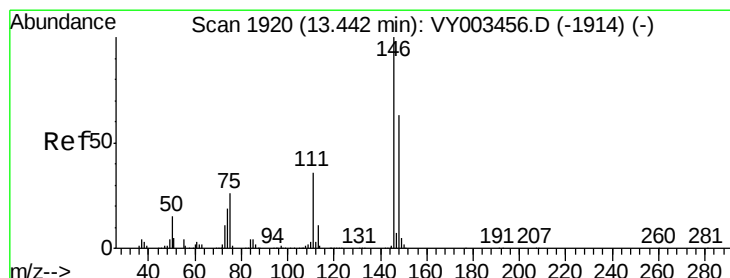
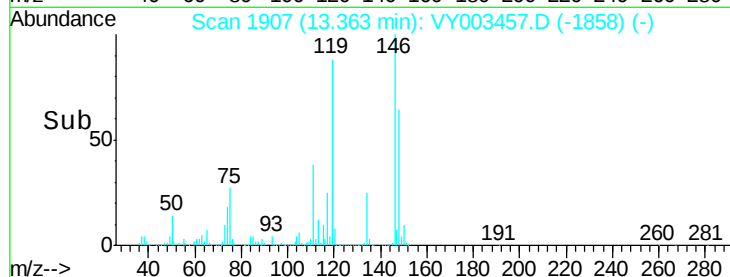
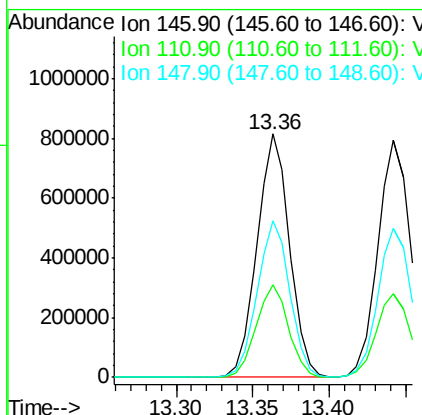
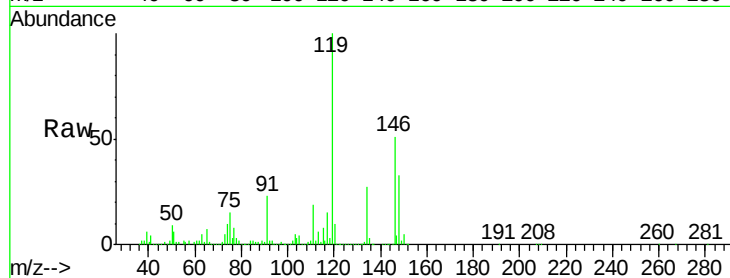
#87
 1,3-Dichlorobenzene
 Concen: 101.297 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1208973
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.0
 148 64.1 31.9 95.5

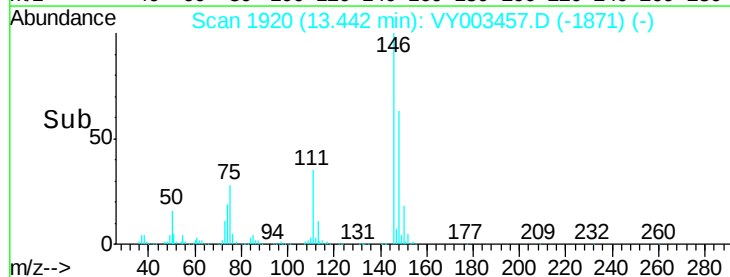
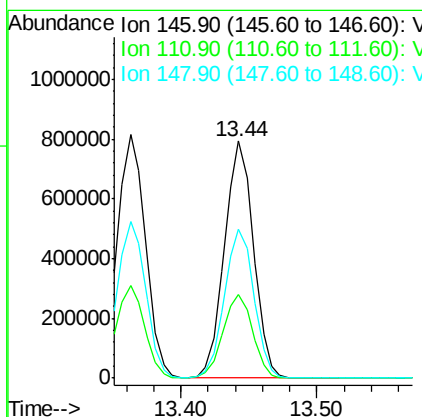
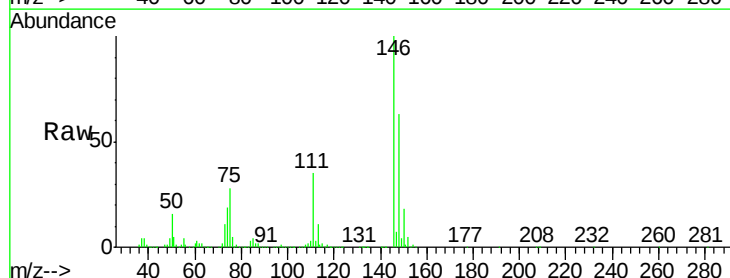
Manual Integrations
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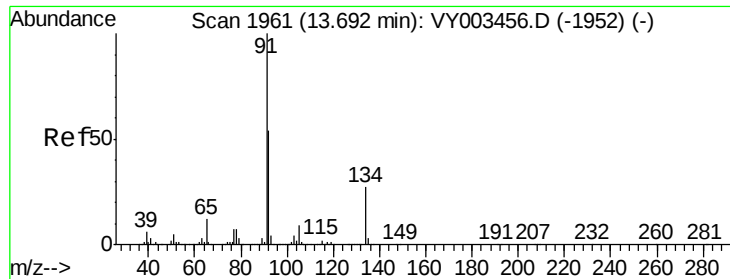
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#88
 1,4-Dichlorobenzene
 Concen: 100.074 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion:146 Resp: 1175898
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.4 55.0
 148 63.9 32.4 97.0





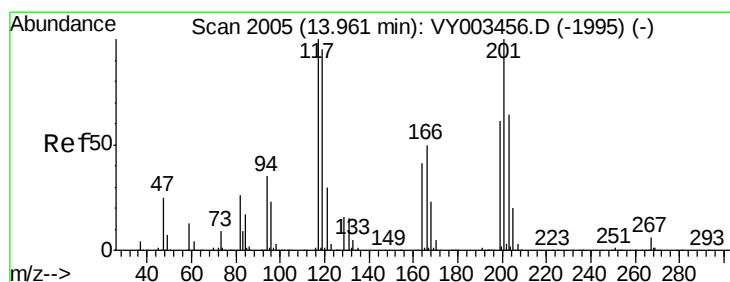
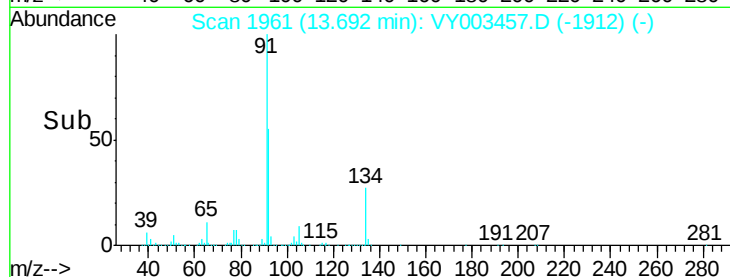
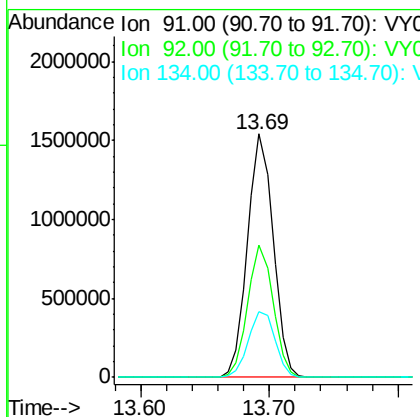
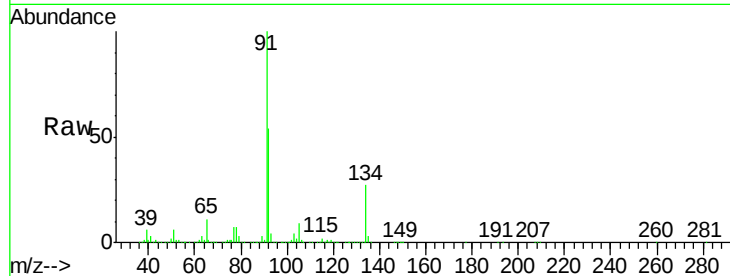
#89
n-Butylbenzene
Concen: 97.145 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.6	79.8
134	28.1	14.1	42.4

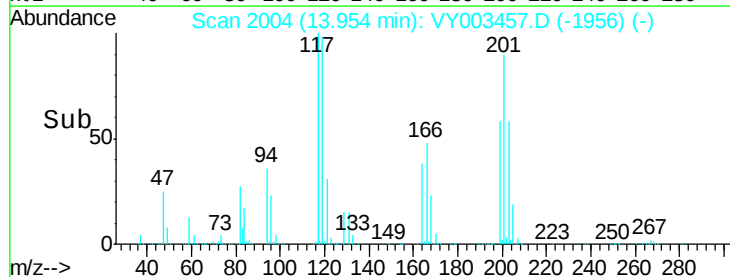
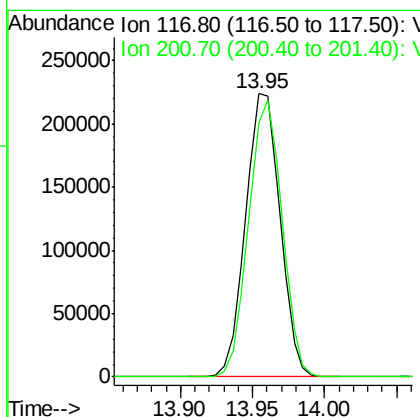
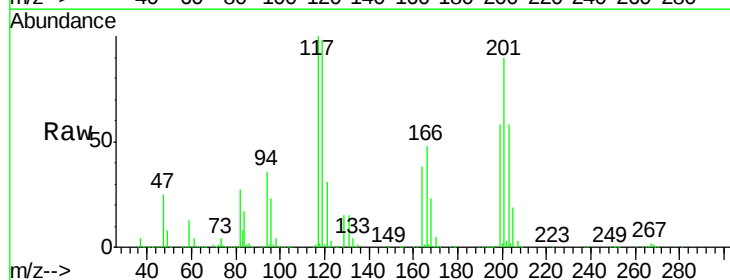
Manual Integrations
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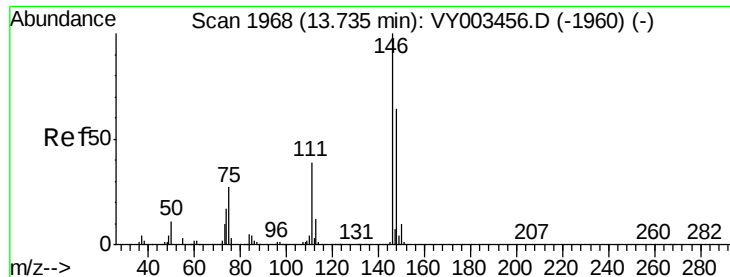
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#90
Hexachloroethane
Concen: 85.487 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	48.3	144.8





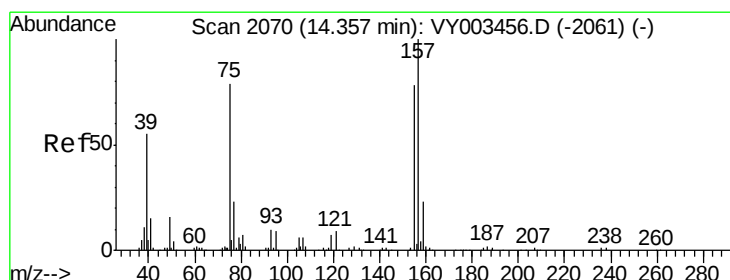
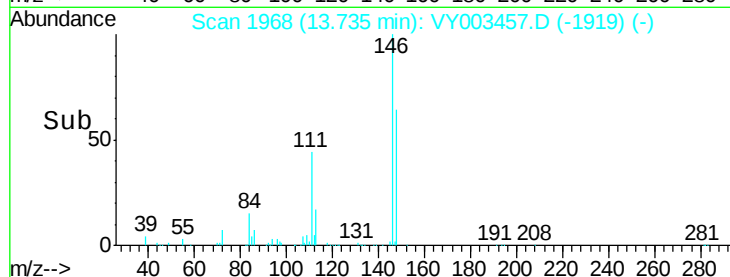
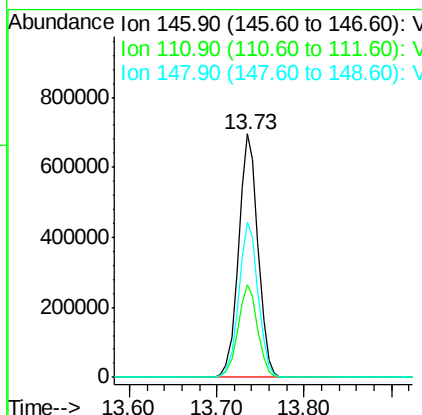
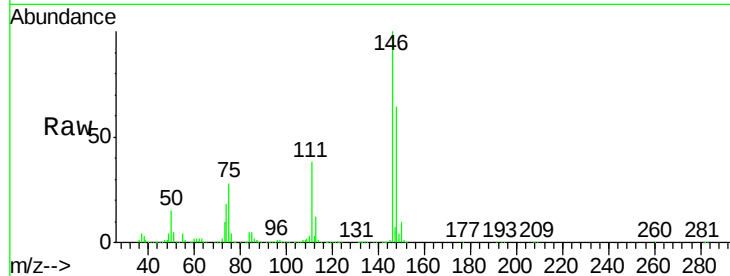
#91
 1,2-Dichlorobenzene
 Concen: 101.629 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	63.6	32.1	96.3

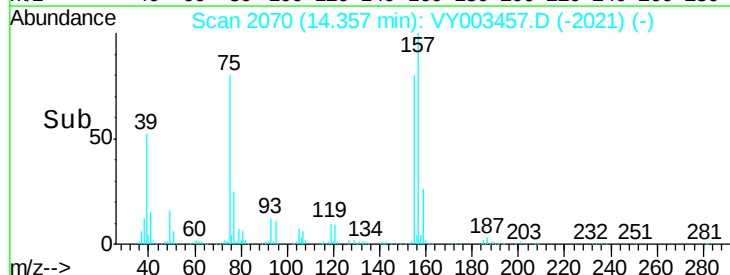
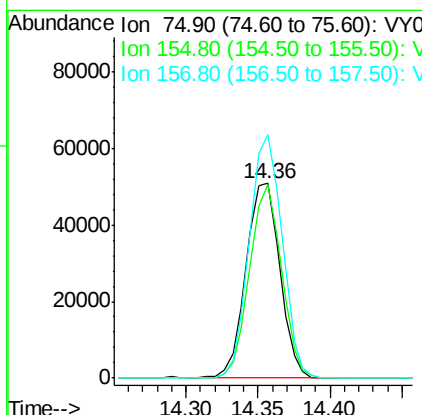
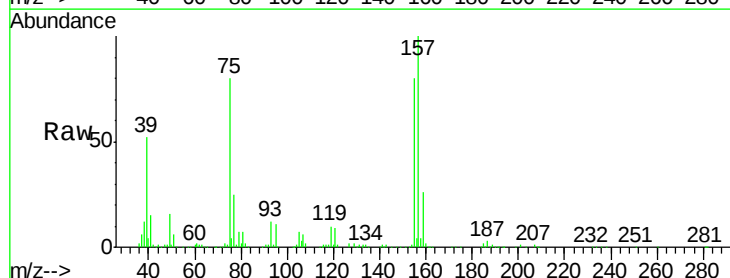
Manual Integrations
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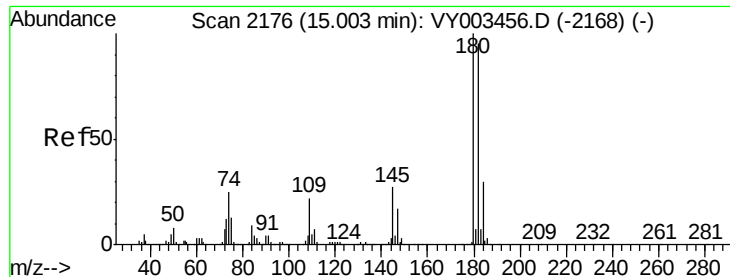
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.025 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	47.8	143.3
157	120.8	60.8	182.4





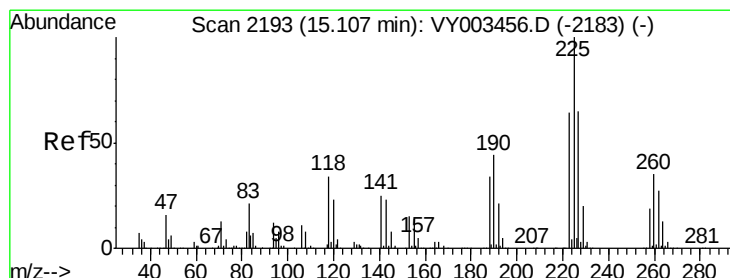
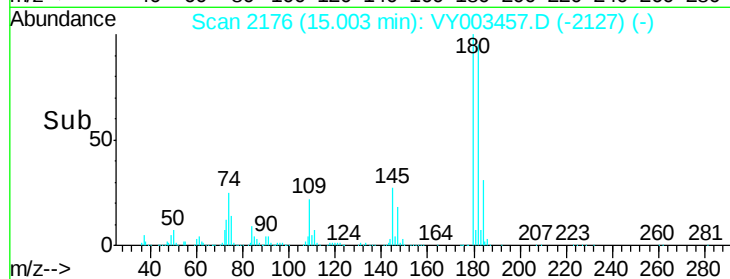
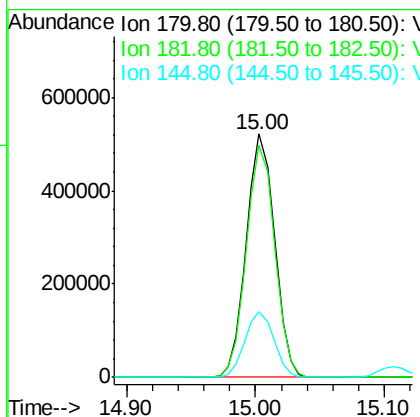
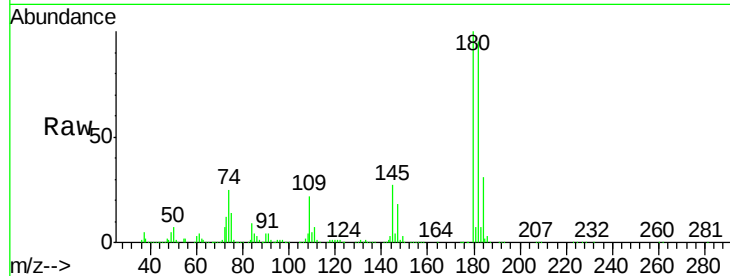
#93
 1,2,4-Trichlorobenzene
 Concen: 105.359 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	792746		
182	95.4	48.0	144.0	
145	27.4	13.5	40.5	

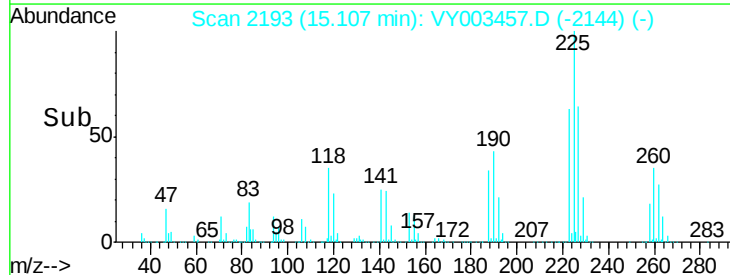
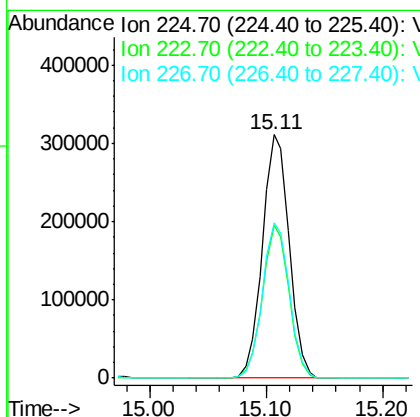
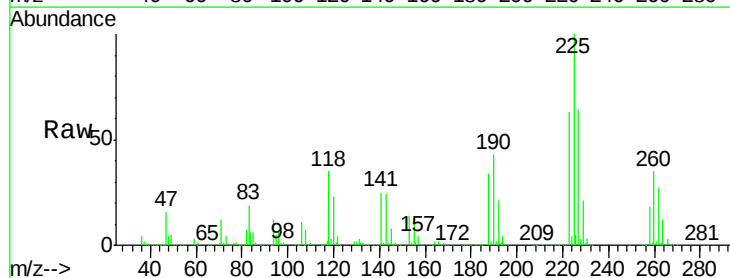
Manual Integrations
 APPROVED

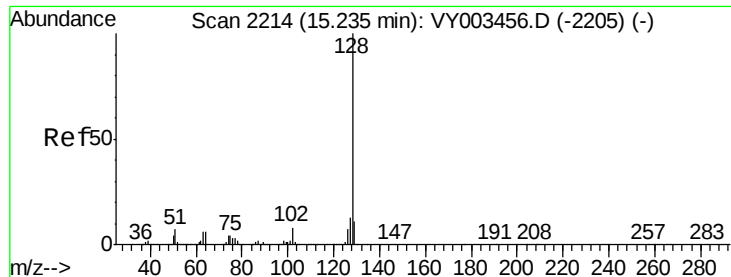
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#94
 Hexachlorobutadiene
 Concen: 100.534 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY003457.D
 Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	498926		
223	62.3	31.4	94.0	
227	64.0	32.5	97.4	





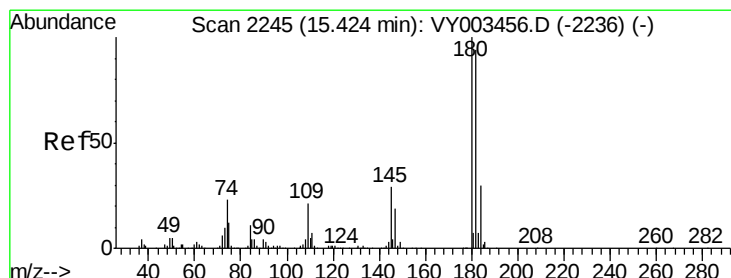
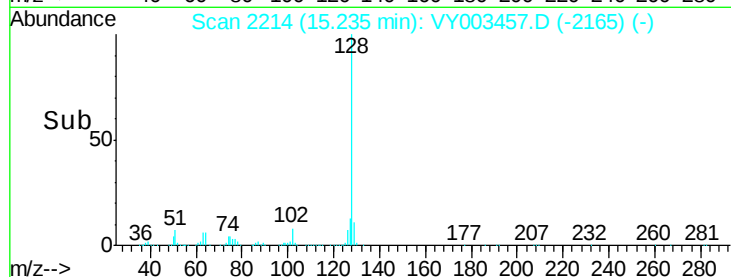
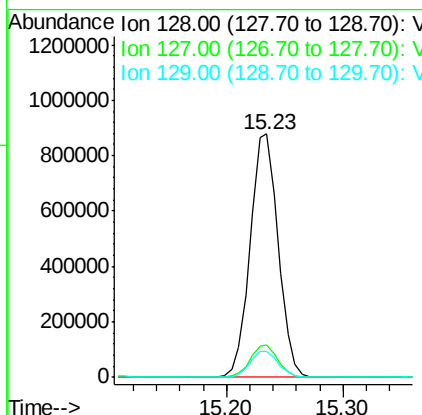
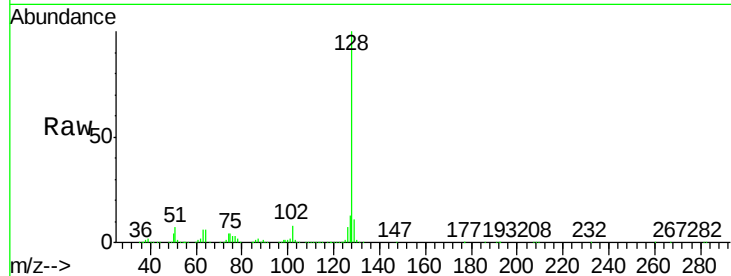
#95
Naphthalene
Concen: 114.526 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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10/6/2020 12:55:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 113.217 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003457.D
Acq: 05 Oct 2020 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	28.9	14.4	43.4

