

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003453.D
 Acq On : 05 Oct 2020 15:05
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:35 PM

Quant Time: Oct 06 04:09:16 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	454878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	646405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	598752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	336563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	22720	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.72	113	17605	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
50) Toluene-d8	10.18	98	75310	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.48	95	25641	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	17933	4.888	ug/l	99
3) Chloromethane	2.12	50	25959	5.136	ug/l	97
4) Vinyl Chloride	2.26	62	27127	5.312	ug/l	95
5) Bromomethane	2.65	94	30767	7.764	ug/l	95
6) Chloroethane	2.80	64	17367	5.421	ug/l	94
7) Trichlorofluoromethane	3.13	101	34063	5.000	ug/l	98
8) Diethyl Ether	3.53	74	11550	4.904	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	19135	4.753	ug/l	97
11) Tert butyl alcohol	4.96	59	12901	27.758	ug/l	96
12) 1,1-Dichloroethene	3.88	96	18945	4.844	ug/l	94
13) Acrolein	3.73	56	11641	25.695	ug/l	100
14) Allyl chloride	4.48	41	33415	5.032	ug/l	98
15) Acrylonitrile	5.18	53	26947	23.110	ug/l	99
16) Acetone	3.96	43	29479	27.377	ug/l	97
17) Carbon Disulfide	4.20	76	63265	4.954	ug/l	98
18) Methyl Acetate	4.49	43	14643	5.205	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	47031	4.359	ug/l	99
20) Methylene Chloride	4.72	84	33873	4.747	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	21081	4.728	ug/l	92
22) Diisopropyl ether	6.12	45	59978	4.377	ug/l #	92
23) Vinyl Acetate	6.07	43	217225	23.797	ug/l	98
24) 1,1-Dichloroethane	6.04	63	39193	5.037	ug/l	97
25) 2-Butanone	7.00	43	40825	25.142	ug/l	99
26) 2,2-Dichloropropane	6.99	77	34093	4.905	ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	24419	4.980	ug/l	97
28) Bromochloromethane	7.35	49	18172	5.700	ug/l #	100
29) Tetrahydrofuran	7.35	42	23914	22.983	ug/l	99
30) Chloroform	7.51	83	38772	5.004	ug/l	96
31) Cyclohexane	7.79	56	38631	5.186	ug/l #	80
32) 1,1,1-Trichloroethane	7.71	97	36102	5.100	ug/l	99
36) 1,1-Dichloropropene	7.92	75	31707	5.229	ug/l	98
37) Ethyl Acetate	7.08	43	19126	5.496	ug/l	98
38) Carbon Tetrachloride	7.91	117	31670	5.059	ug/l	95
39) Methylcyclohexane	9.18	83	31903	4.366	ug/l	94

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 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) Benzene	8.16	78	88473	5.232	ug/l	100
41) Methacrylonitrile	7.31	41	7878m	4.058	ug/l	
42) 1,2-Dichloroethane	8.24	62	28907	5.565	ug/l	99
43) Isopropyl Acetate	8.28	43	34099	5.185	ug/l	98
44) Trichloroethene	8.94	130	26600	5.459	ug/l	96
45) 1,2-Dichloropropane	9.22	63	22652	5.141	ug/l	96
46) Dibromomethane	9.30	93	12797	5.154	ug/l	96
47) Bromodichloromethane	9.50	83	31472	5.272	ug/l	97
48) Methyl methacrylate	9.29	41	15608	5.207	ug/l	99
49) 1,4-Dioxane	9.30	88	2983	94.104	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	89729	25.942	ug/l	100
52) Toluene	10.24	92	55536	5.217	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	31619	4.956	ug/l	100
54) cis-1,3-Dichloropropene	9.92	75	35892	4.986	ug/l	91
55) 1,1,2-Trichloroethane	10.64	97	17967	5.164	ug/l	98
56) Ethyl methacrylate	10.51	69	22592	4.694	ug/l	96
57) 1,3-Dichloropropane	10.79	76	31155	5.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	63252	27.728	ug/l	98
59) 2-Hexanone	10.83	43	60809	25.180	ug/l	98
60) Dibromochloromethane	10.98	129	22451	5.125	ug/l	98
61) 1,2-Dibromoethane	11.08	107	17599	5.206	ug/l	100
64) Tetrachloroethene	10.72	164	28466	5.653	ug/l	96
65) Chlorobenzene	11.52	112	62185	5.322	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	22939	5.049	ug/l	95
67) Ethyl Benzene	11.59	91	107756	5.116	ug/l	99
68) m/p-Xylenes	11.70	106	81639	10.259	ug/l	99
69) o-Xylene	12.03	106	38610	5.188	ug/l	94
70) Stvrene	12.04	104	62559	4.905	ug/l	99
71) Bromoform	12.20	173	15915	5.373	ug/l #	96
73) Isopropylbenzene	12.33	105	101868	4.738	ug/l	99
74) N-amyl acetate	12.14	43	30042	4.756	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	21730	5.125	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	15773m	5.263	ug/l	
77) Bromobenzene	12.61	156	28858	5.258	ug/l	95
78) n-propylbenzene	12.67	91	124219	4.840	ug/l	99
79) 2-Chlorotoluene	12.75	91	69652	4.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	87613	4.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	7506	4.738	ug/l	97
82) 4-Chlorotoluene	12.85	91	75568	5.085	ug/l	99
83) tert-Butylbenzene	13.07	119	76698	4.882	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	87502	4.808	ug/l	100
85) sec-Butylbenzene	13.25	105	106645	4.882	ug/l	98
86) p-Isopropyltoluene	13.37	119	98759	4.815	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	54178	5.155	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	56259	5.437	ug/l	96
89) n-Butylbenzene	13.69	91	92681	4.818	ug/l	99
90) Hexachloroethane	13.95	117	16102	4.230	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	48268	5.195	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	4287	6.117	ug/l	90
93) 1,2,4-Trichlorobenzene	15.00	180	35871	5.414	ug/l	97

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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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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)
94) Hexachlorobutadiene	15.11	225	24461	5.597	ug/l	99
95) Naphthalene	15.23	128	59071	5.213	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	30985	5.719	ug/l	100

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

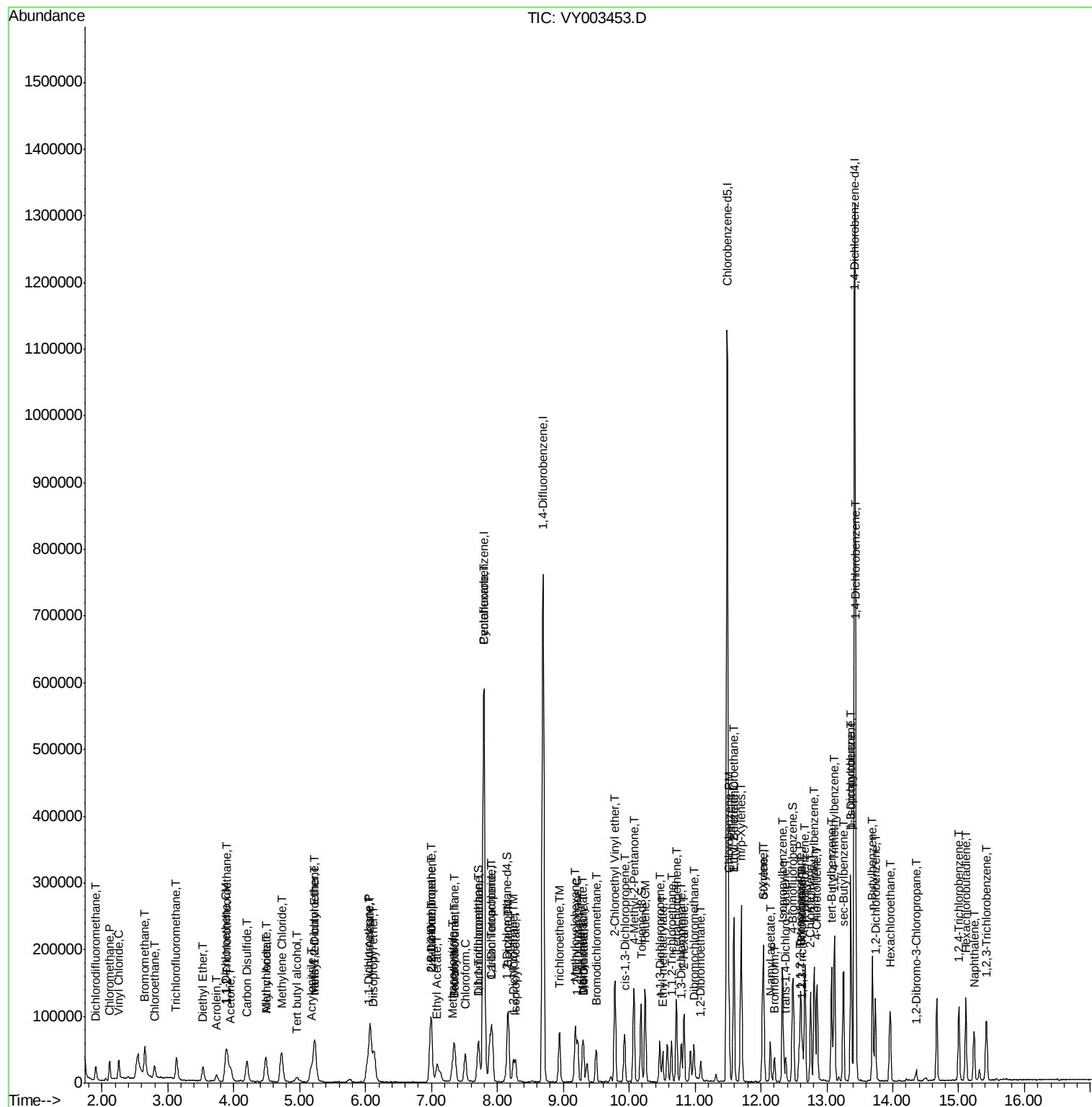
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
Data File : VY003453.D
Acq On : 05 Oct 2020 15:05
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

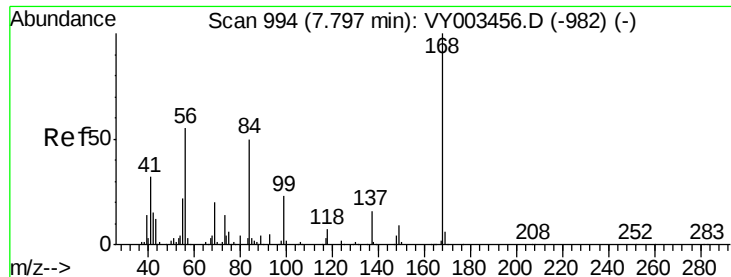
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Manual Integrations
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10/6/2020 12:55:35 PM

Quant Time: Oct 06 04:09:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 06 04:02:14 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 454878

Ion Ratio Lower Upper

168 100

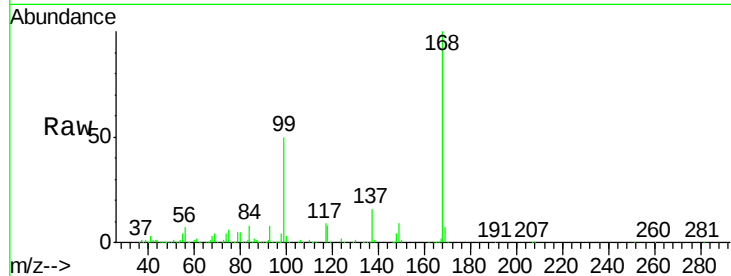
99 50.0 40.4 60.6

Manual Integrations

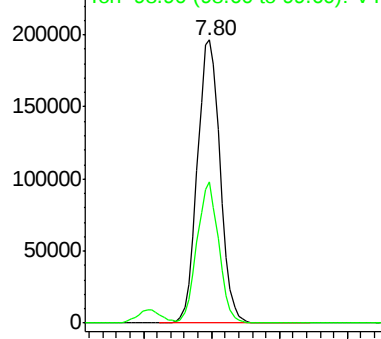
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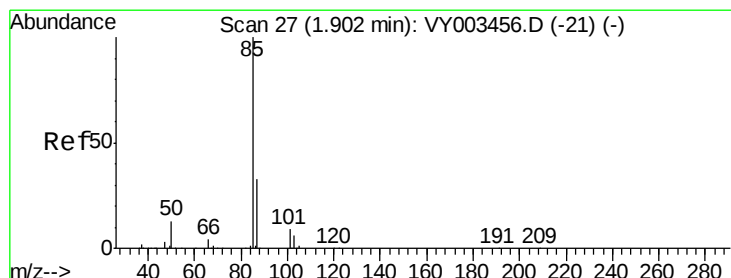
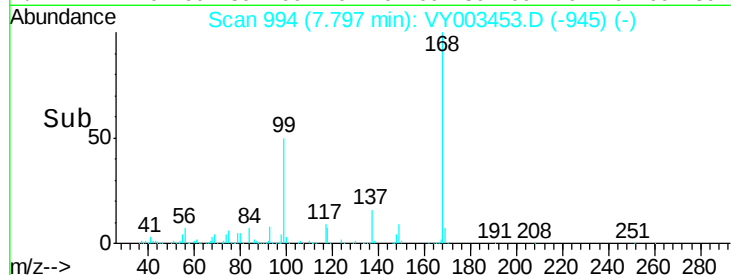
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Abundance Ion 167.90 (167.60 to 168.60): VY003453.D (-945) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 4.888 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003453.D

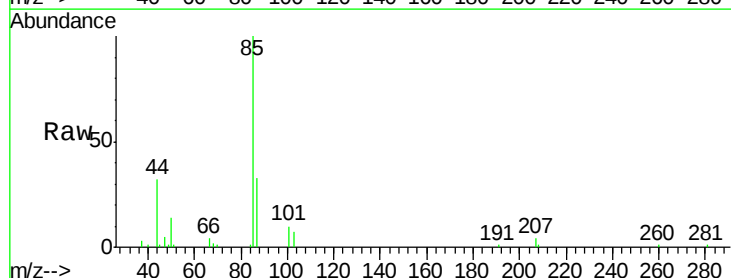
Acq: 05 Oct 2020 15:05

Tgt Ion: 85 Resp: 17933

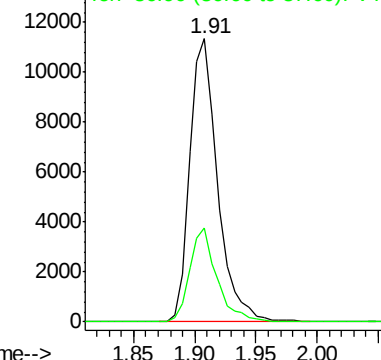
Ion Ratio Lower Upper

85 100

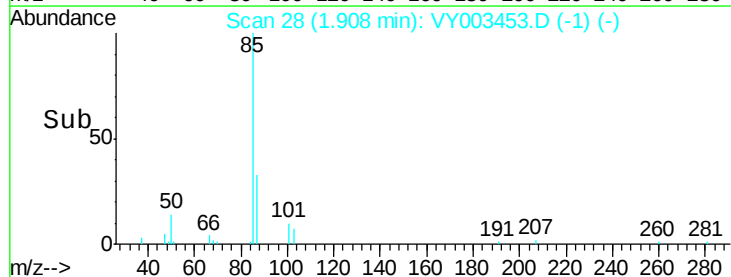
87 33.4 16.3 48.9

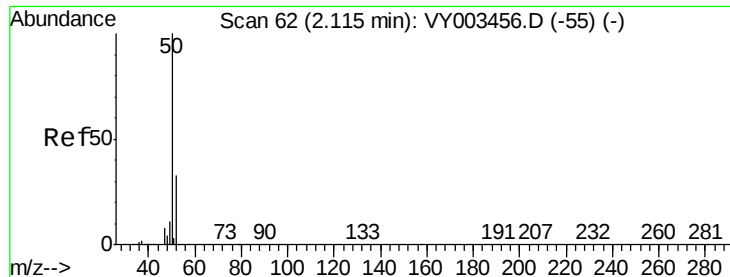


Abundance Ion 84.90 (84.60 to 85.60): VY003453.D (-1) (-)



Time-->





#3

Chloromethane

Concen: 5.136 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 25959

Ion Ratio Lower Upper

50 100

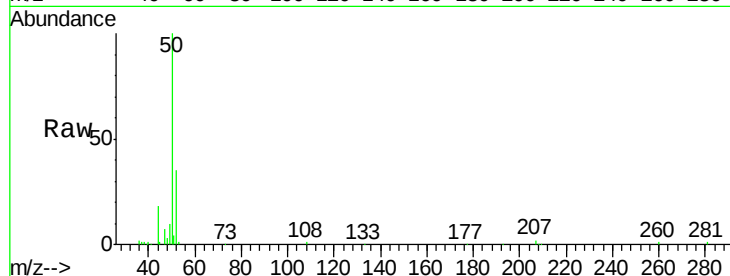
52 34.7 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

20000

15000

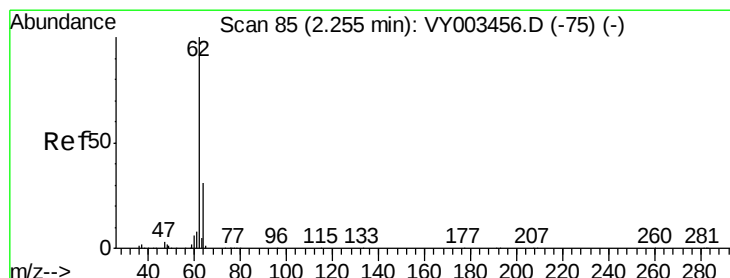
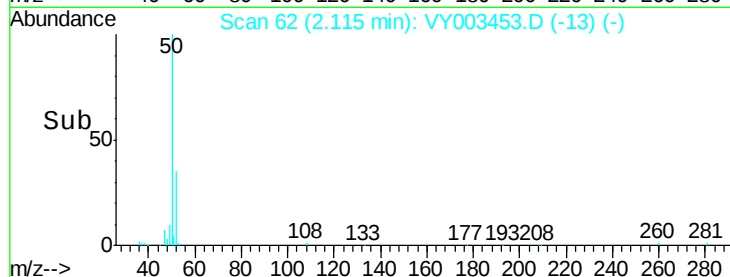
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 5.312 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003453.D

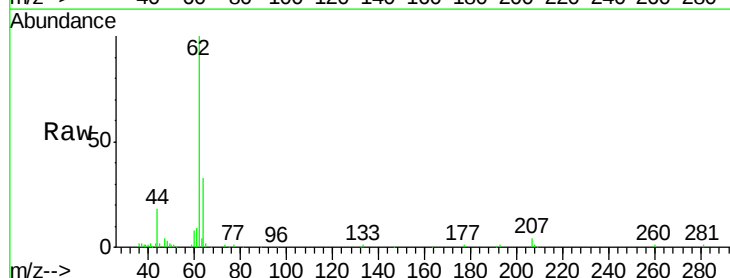
Acq: 05 Oct 2020 15:05

Tgt Ion: 62 Resp: 27127

Ion Ratio Lower Upper

62 100

64 33.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

15000

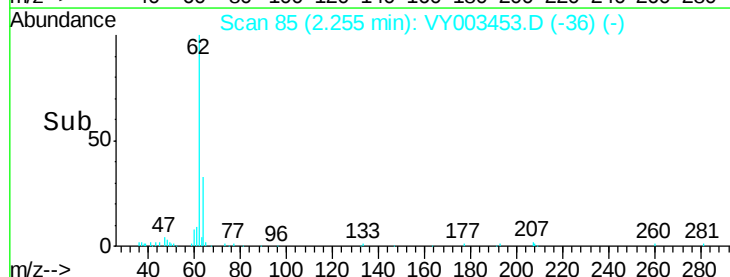
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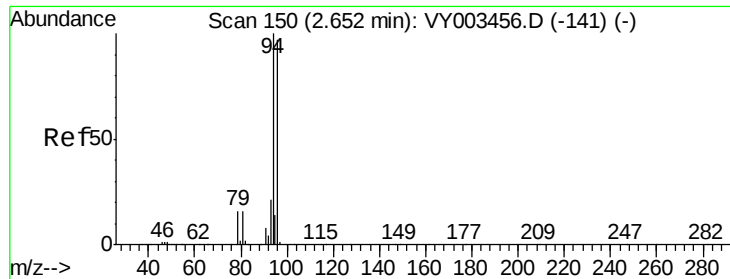
5000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 7.764 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 30767

Ion Ratio Lower Upper

94 100

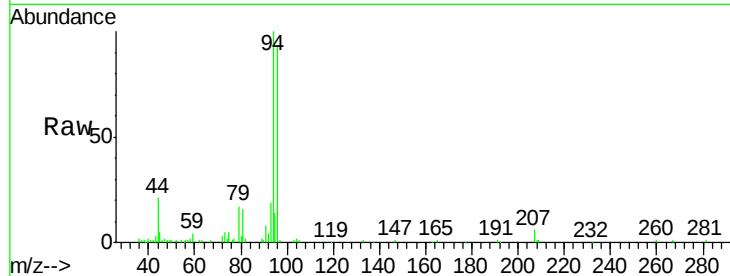
96 92.0 77.4 116.2

Manual Integrations

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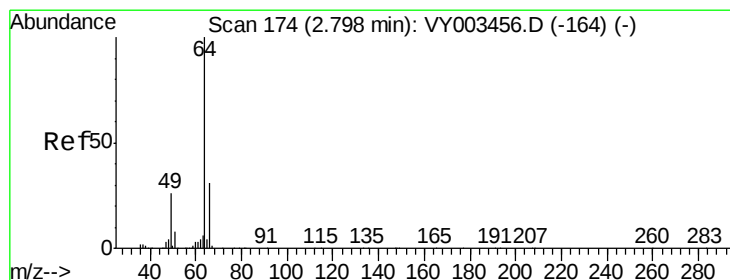
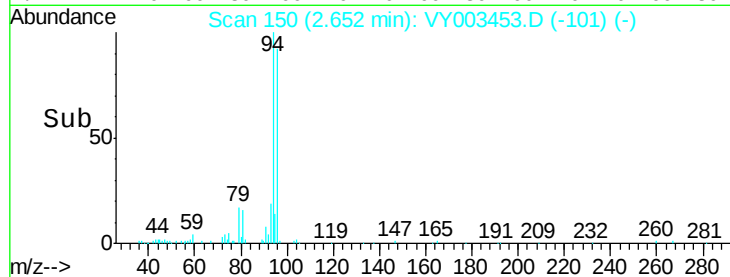
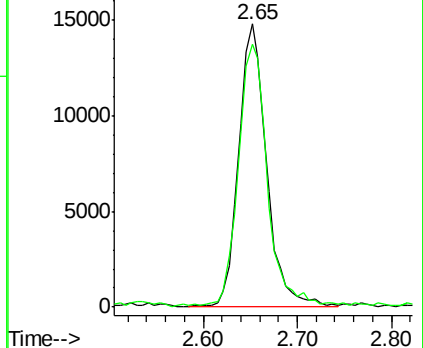
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.421 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003453.D

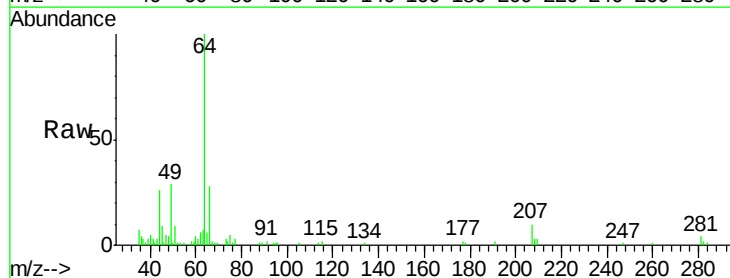
Acq: 05 Oct 2020 15:05

Tgt Ion: 64 Resp: 17367

Ion Ratio Lower Upper

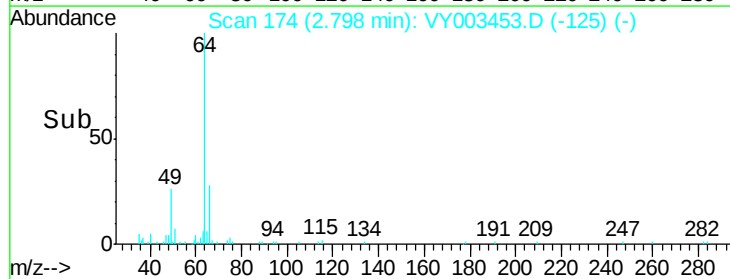
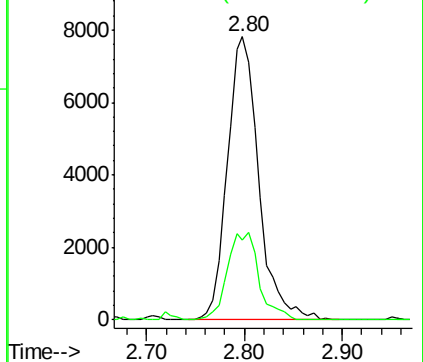
64 100

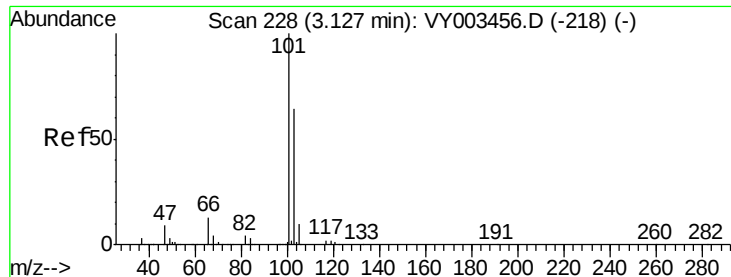
66 28.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

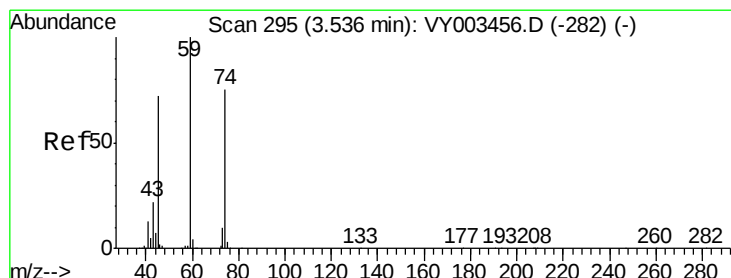
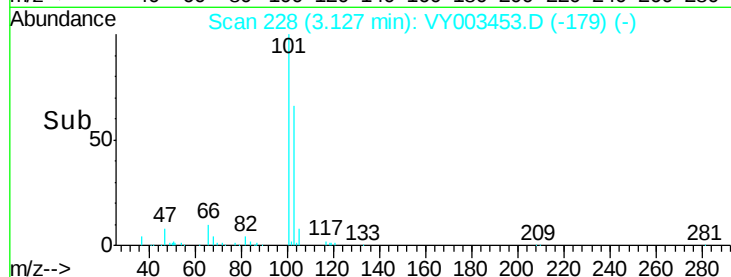
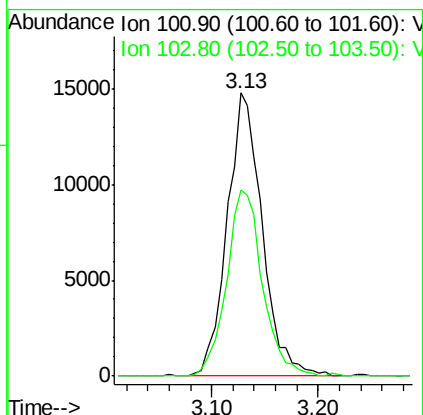
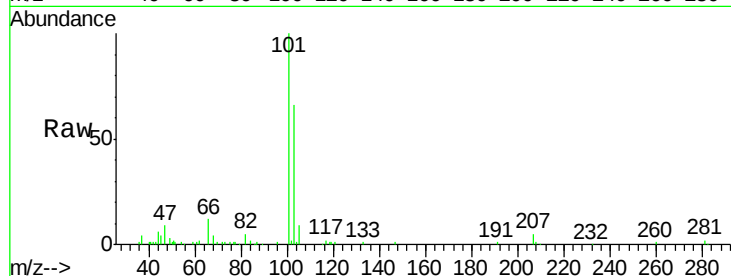
Trichlorofluoromethane
Concen: 5.000 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.6	77.4

Manual Integrations
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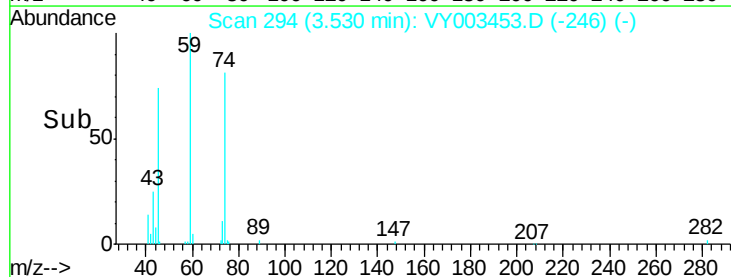
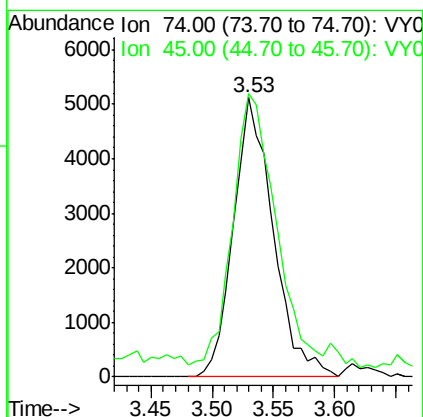
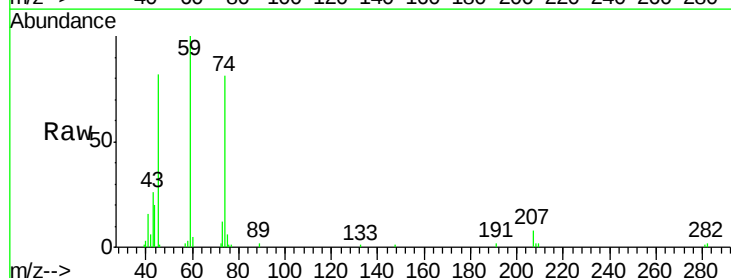
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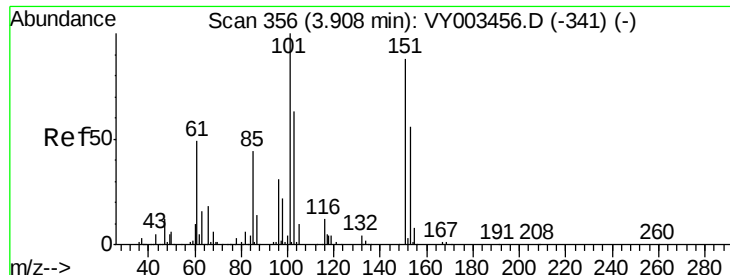


#8

Diethyl Ether
Concen: 4.904 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.753 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

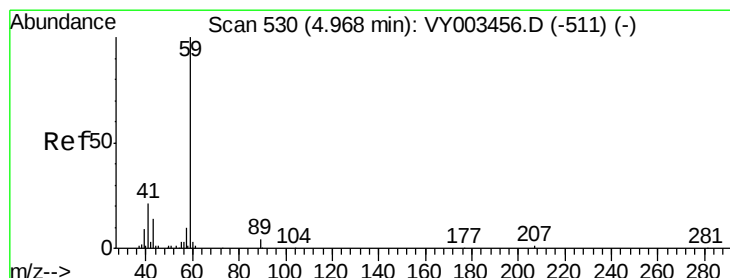
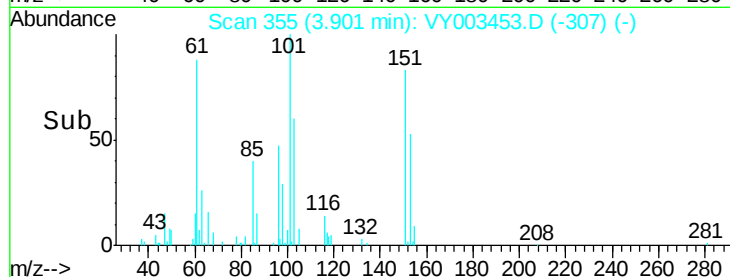
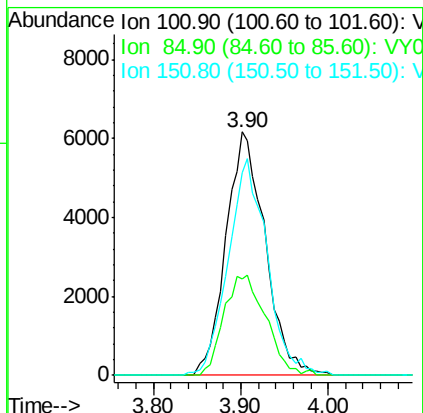
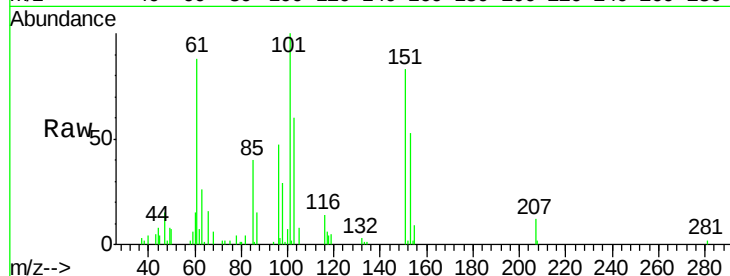
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	19135
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.5	53.3
151	88.8	67.9	101.9

Manual Integrations
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#11

Tert butyl alcohol

Concen: 27.758 ug/l

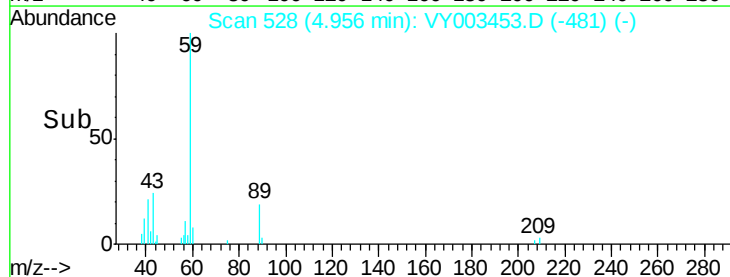
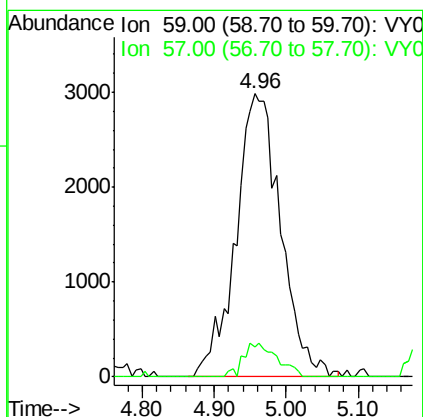
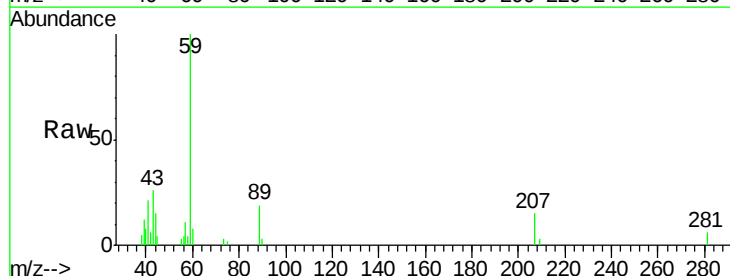
RT: 4.96 min Scan# 528

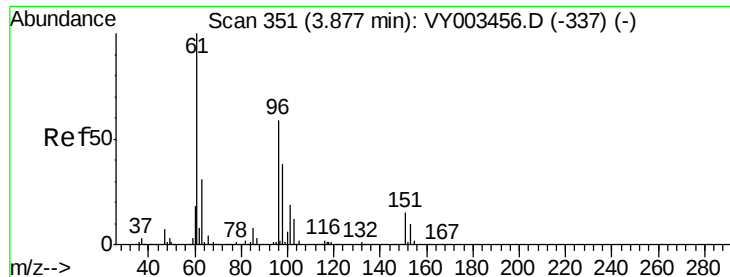
Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	59	Resp:	12901
Ion Ratio	Lower	Upper	
59	100		
57	9.0	8.4	12.6





#12

1,1-Dichloroethene

Concen: 4.844 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

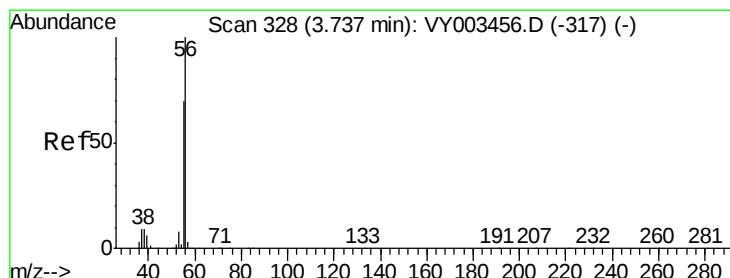
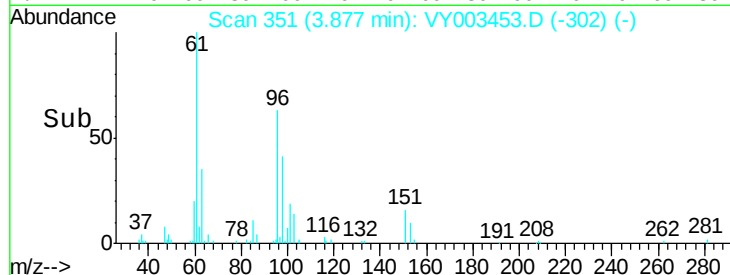
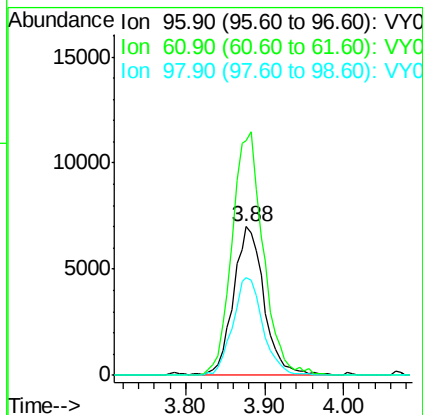
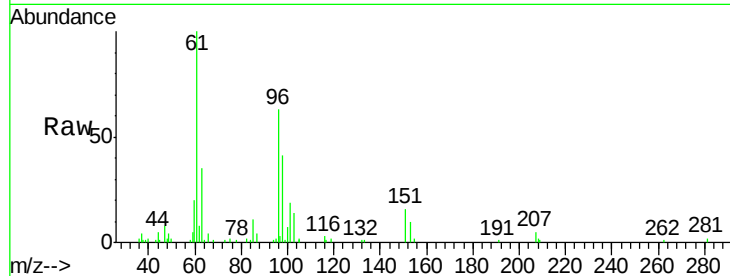
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18945
Ion	Ratio	Lower	Upper
96	100		
61	158.4	134.6	202.0
98	65.5	51.1	76.7

Manual Integrations
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#13

Acrolein

Concen: 25.695 ug/l

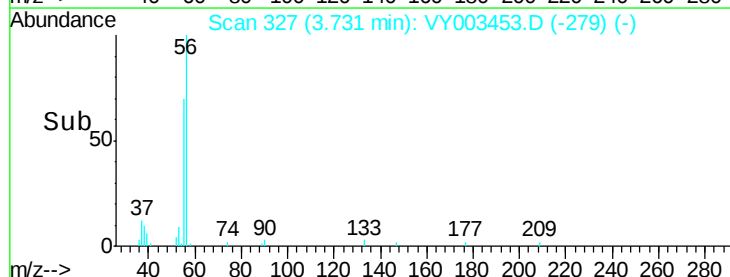
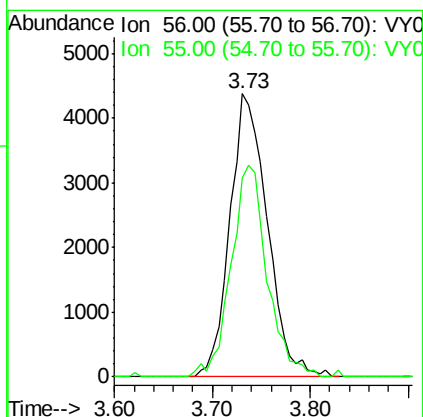
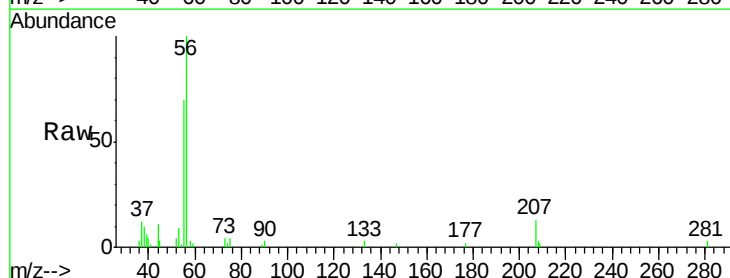
RT: 3.73 min Scan# 327

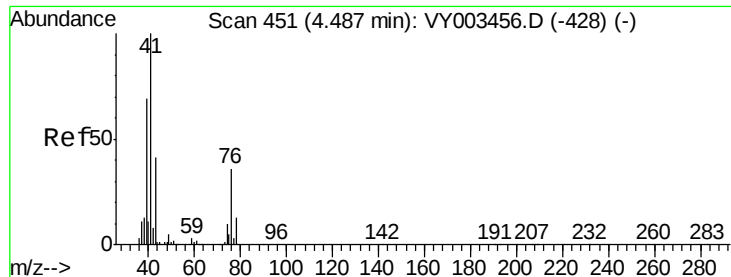
Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	56	Resp:	11641
Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.9	86.9





#14

Allvl chloride

Concen: 5.032 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

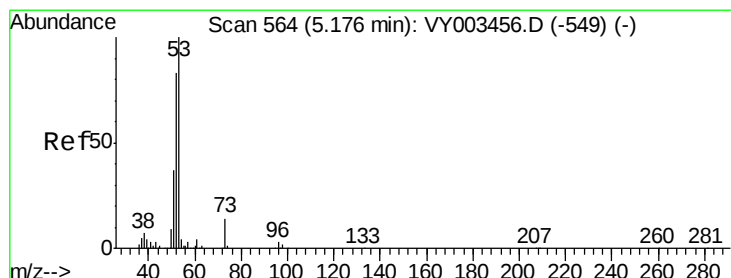
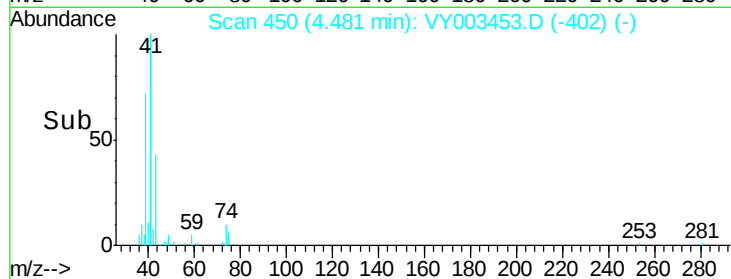
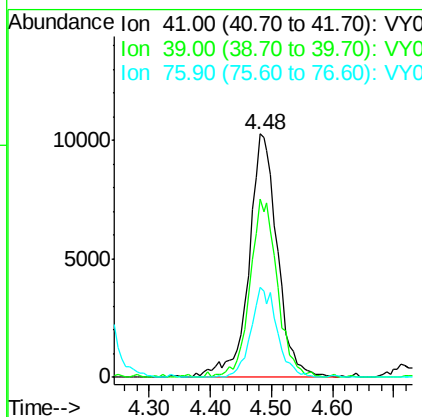
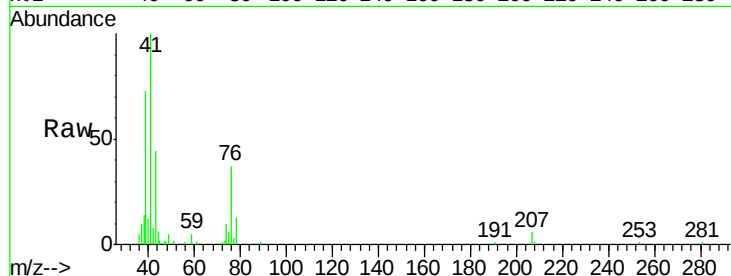
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	33415
Ion Ratio		Lower	Upper
41	100		
39	70.2	54.6	82.0
76	34.0	27.5	41.3

Manual Integrations
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#15

Acrylonitrile

Concen: 23.110 ug/l

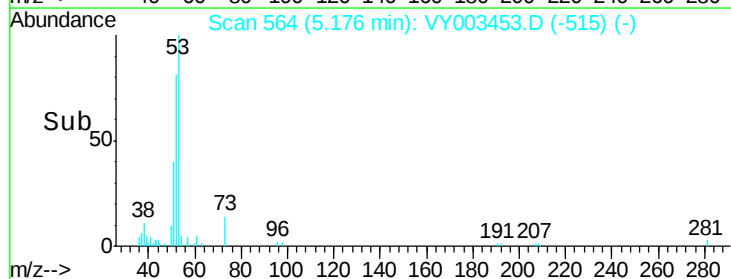
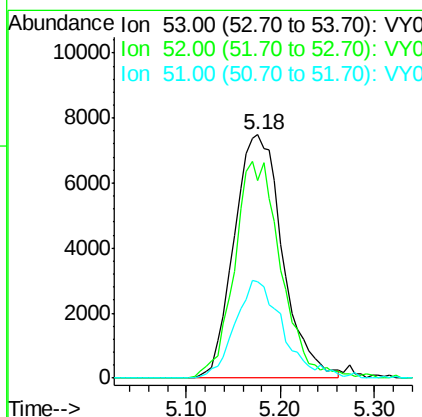
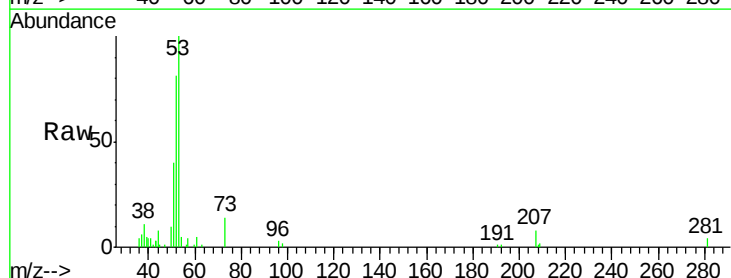
RT: 5.18 min Scan# 564

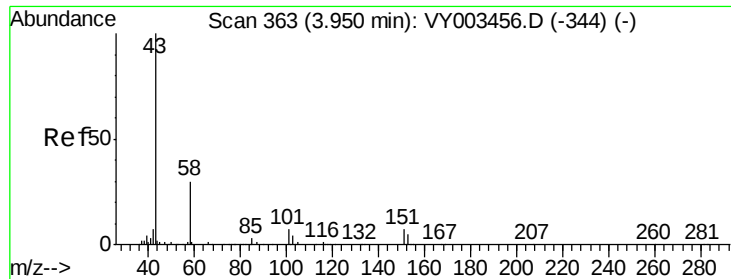
Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	53	Resp:	26947
Ion Ratio		Lower	Upper
53	100		
52	85.3	67.8	101.8
51	38.1	30.1	45.1





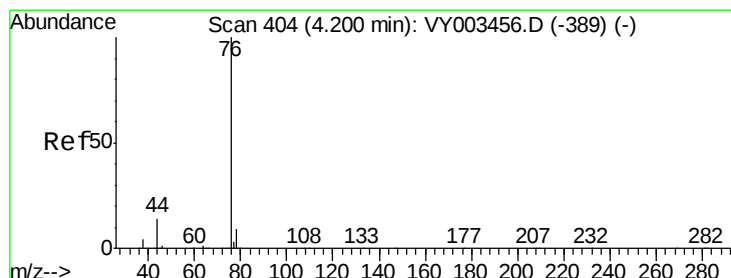
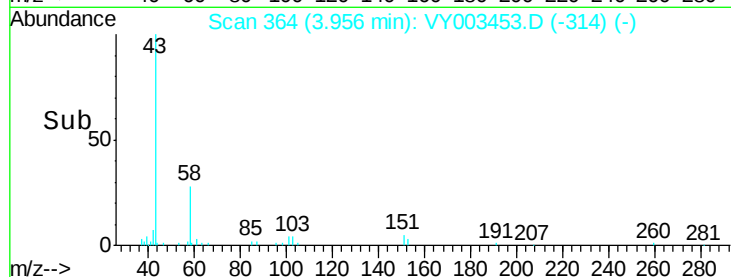
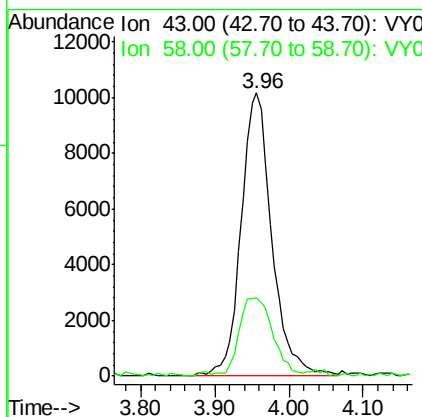
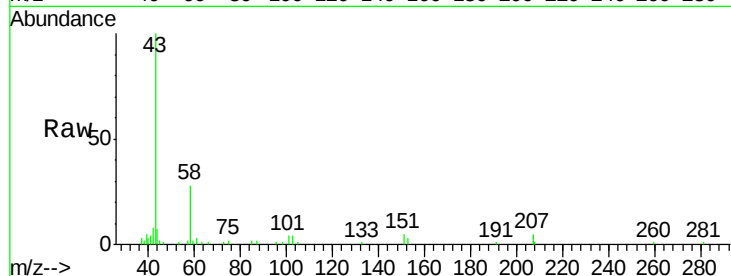
#16
Acetone
Concen: 27.377 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 29479
Ion Ratio Lower Upper
43 100
58 27.9 23.8 35.8

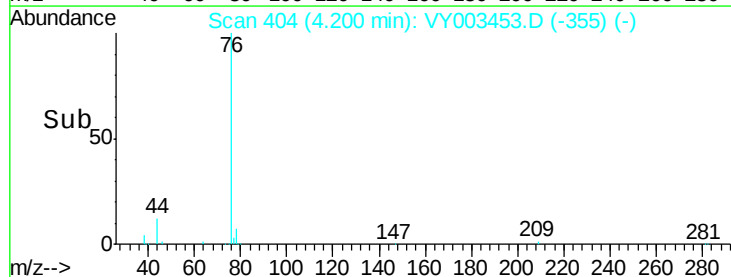
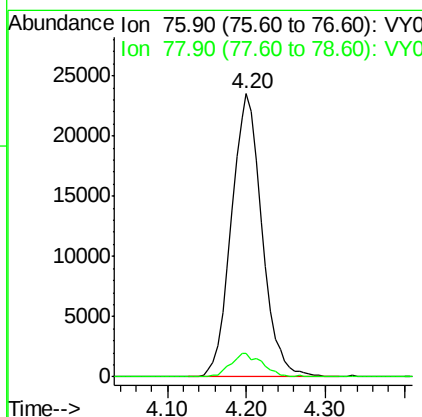
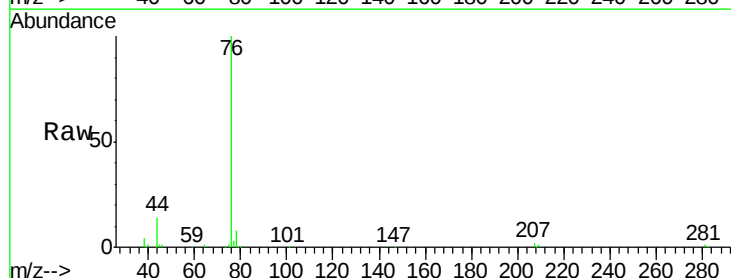
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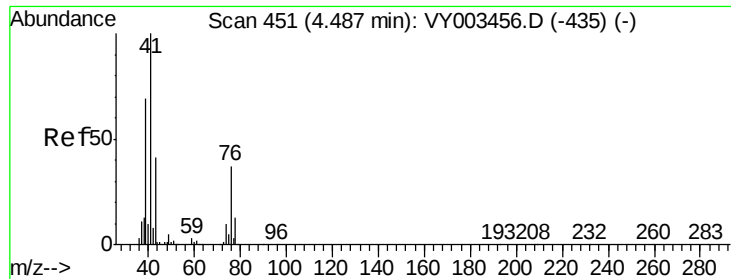
MMDadoda
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#17
Carbon Disulfide
Concen: 4.954 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion: 76 Resp: 63265
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9





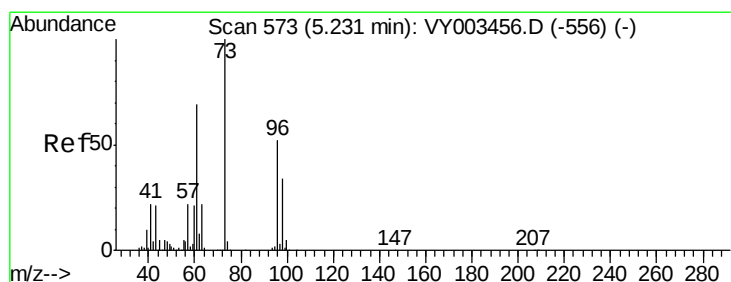
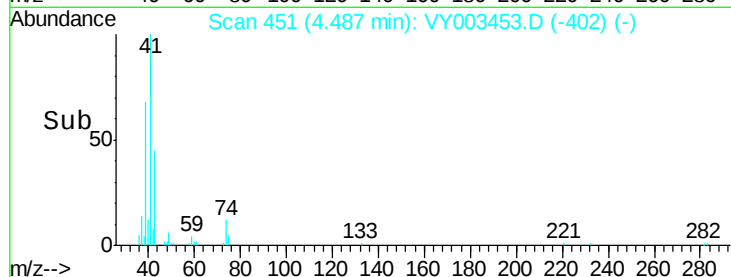
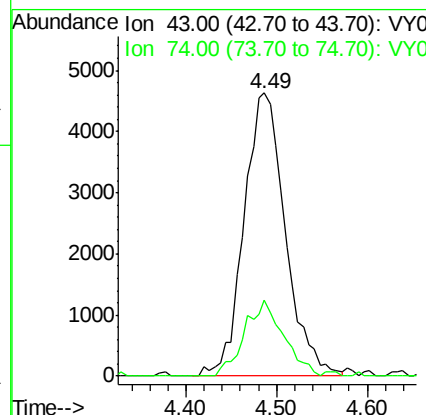
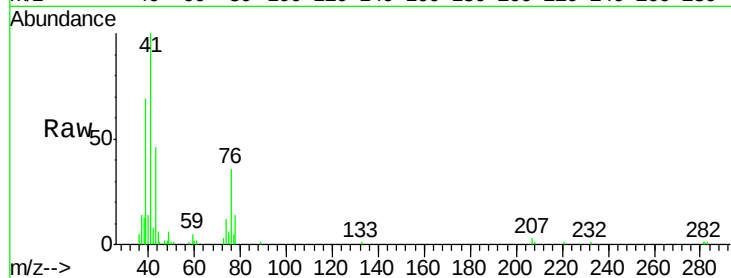
#18
Methvl Acetate
Concen: 5.205 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 14643
Ion Ratio Lower Upper
43 100
74 25.2 18.0 27.0

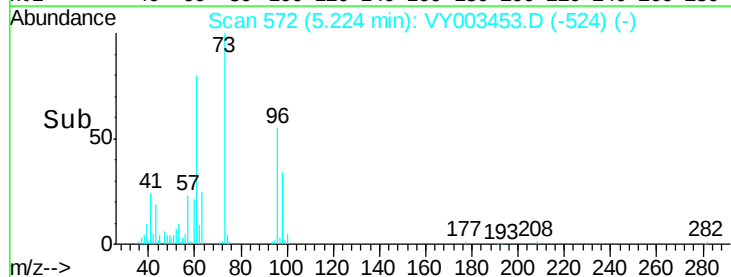
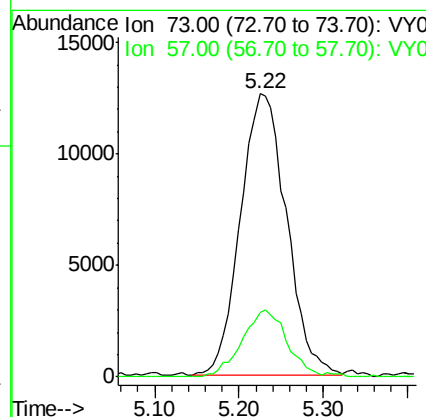
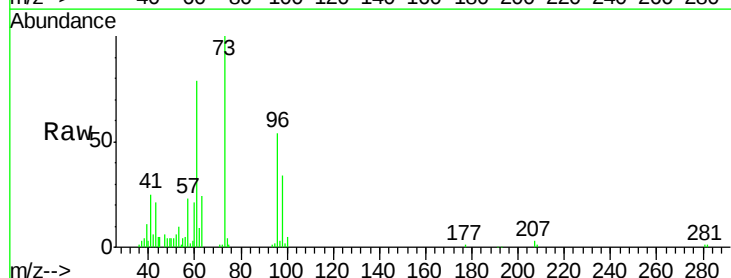
Manual Integrations
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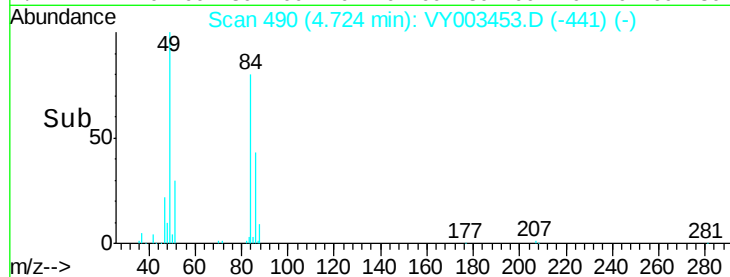
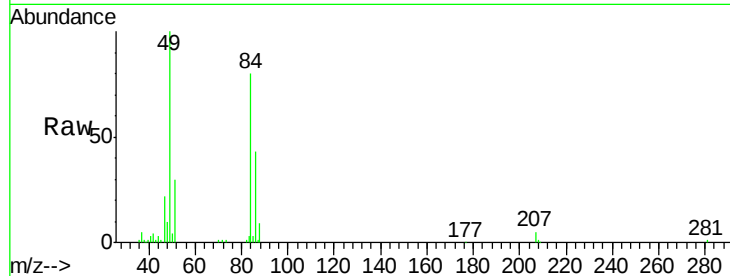
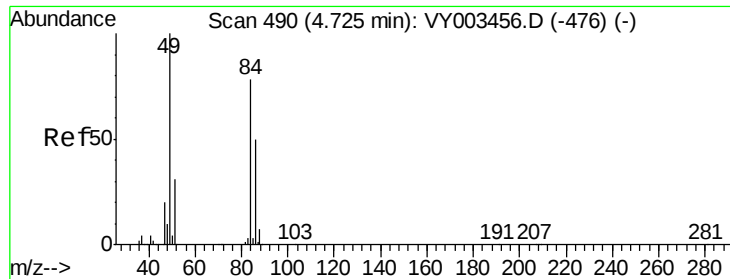
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#19
Methyl tert-butyl Ether
Concen: 4.359 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion: 73 Resp: 47031
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9





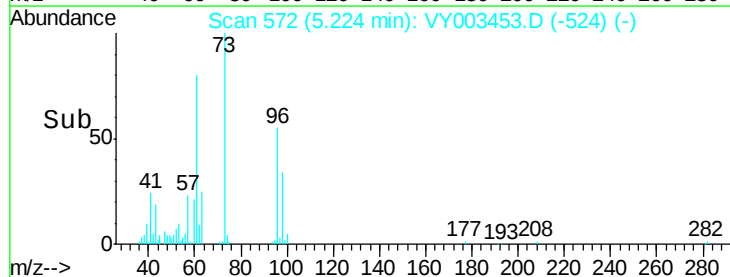
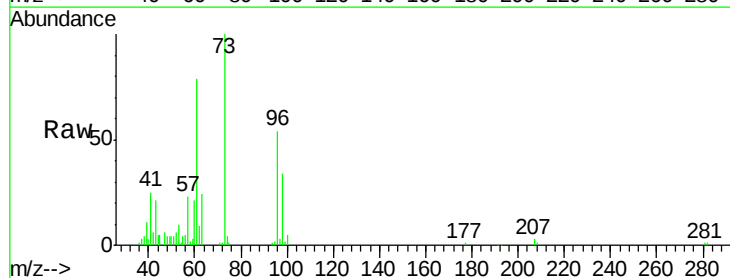
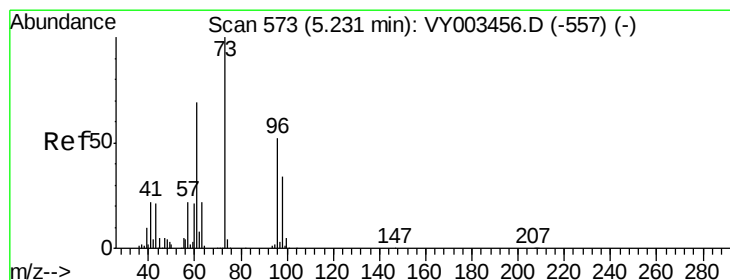
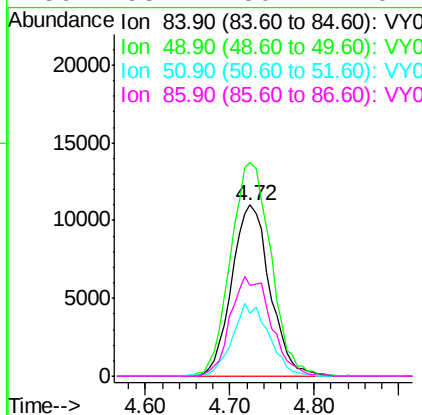
#20
Methvlene Chloride
Concen: 4.747 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tot Ion:	84	Resp:	33873
Ion	Ratio	Lower	Upper
84	100		
49	124.7	102.2	153.2
51	36.9	32.0	48.0
86	53.1	50.7	76.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

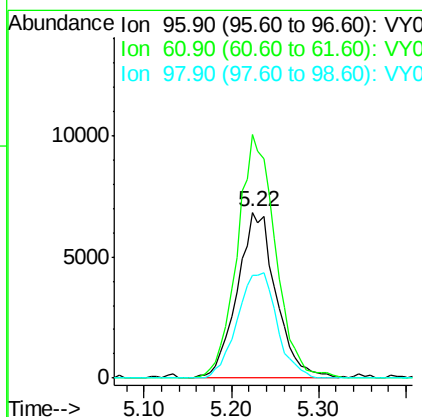
Manual Integrations
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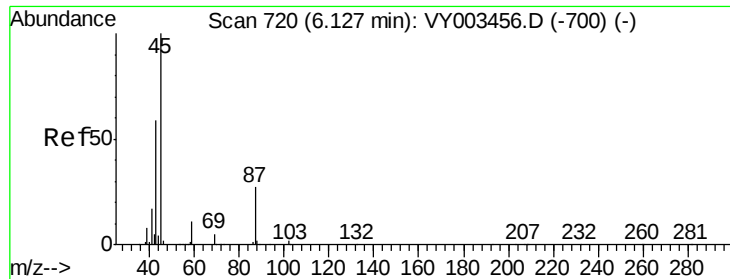
MMDadoda
10/6/2020 12:55:35 PM



#21
trans-1,2-Dichloroethene
Concen: 4.728 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion:	96	Resp:	21081
Ion	Ratio	Lower	Upper
96	100		
61	146.7	107.6	161.4
98	62.2	52.1	78.1





#22

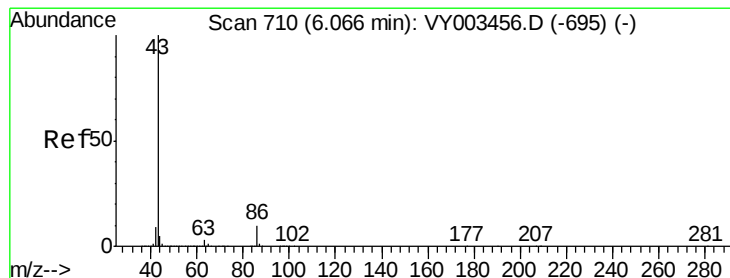
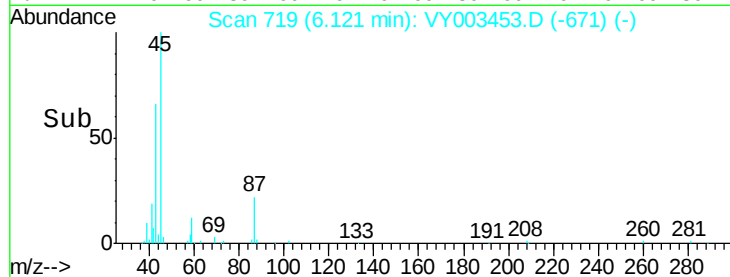
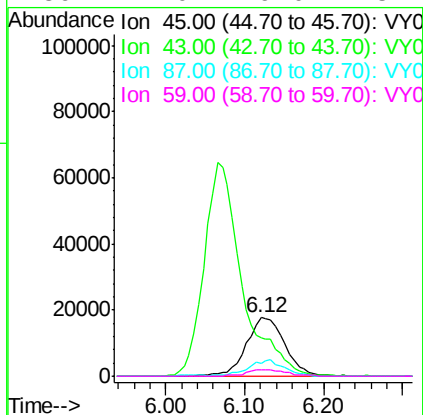
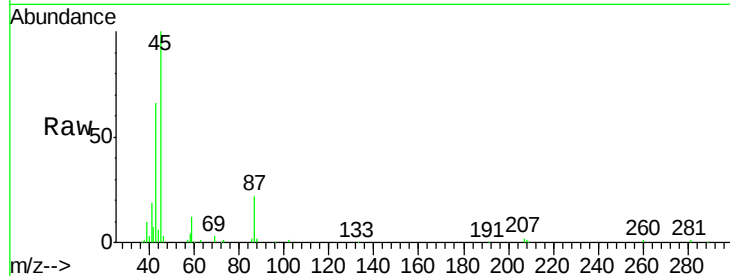
Diisopropyl ether
 Concen: 4.377 ug/l
 RT: 6.12 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	65.4	47.5	71.3	
87	21.8	22.2	33.2	
59	12.0	9.0	13.4	

Manual Integrations
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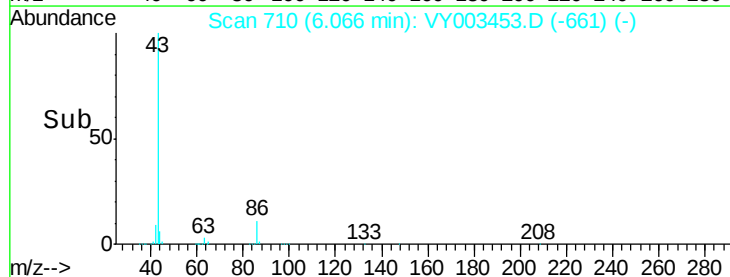
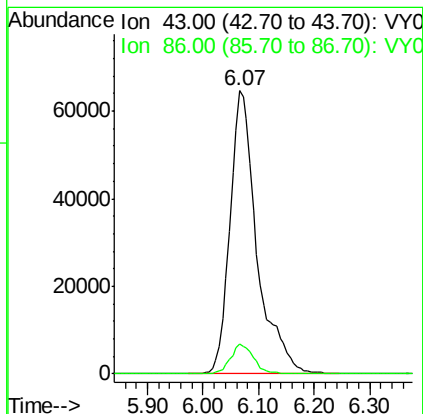
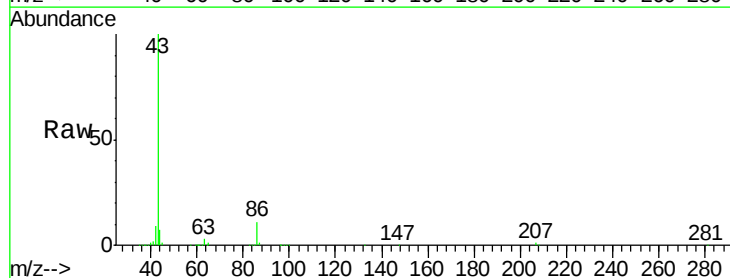
MMDadoda
 10/6/2020 12:55:35 PM

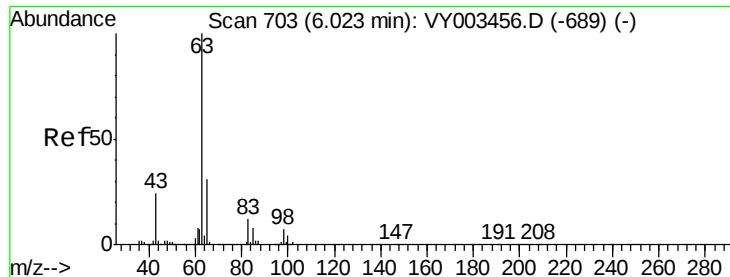


#23

Vinyl Acetate
 Concen: 23.797 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.7	8.1	12.1	





#24

1,1-Dichloroethane

Concen: 5.037 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

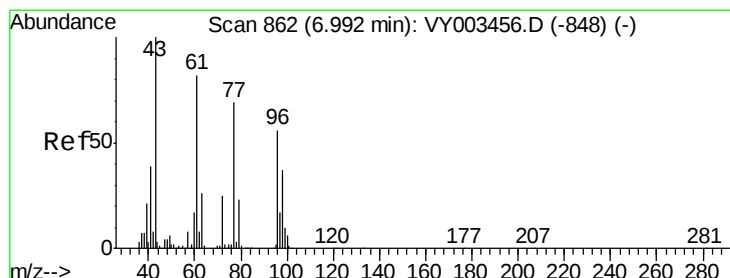
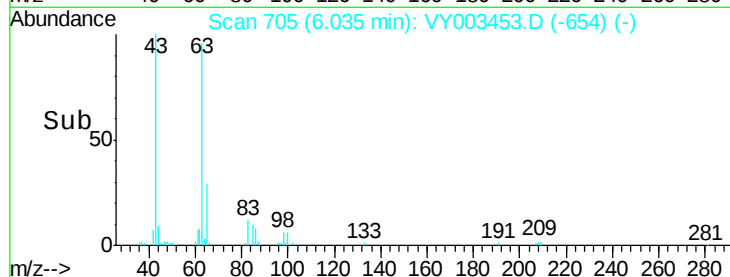
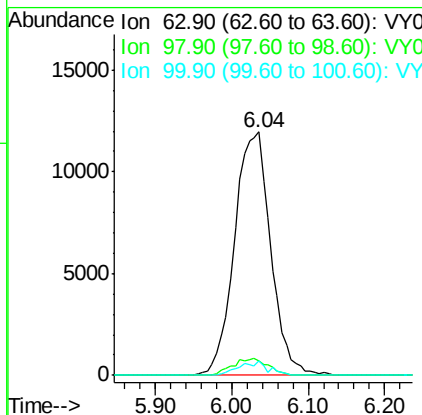
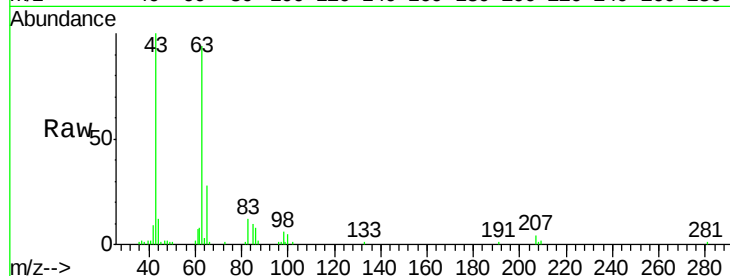
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	39193
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.4	10.2
100	5.7	2.2	6.6

Manual Integrations
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#25

2-Butanone

Concen: 25.142 ug/l

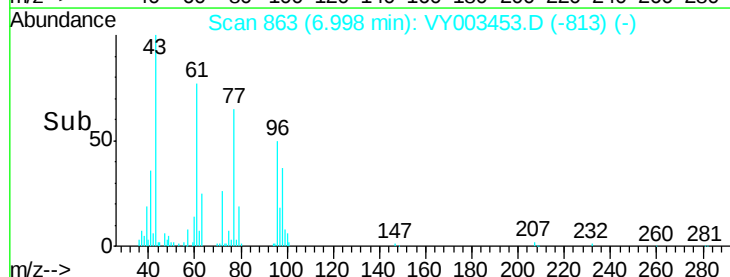
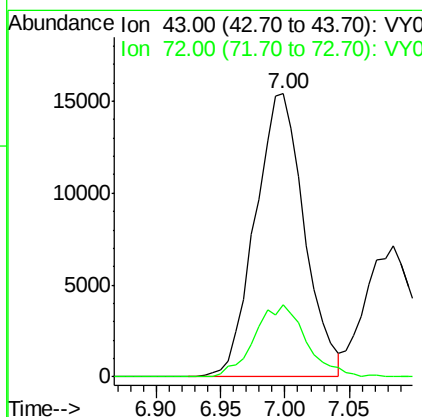
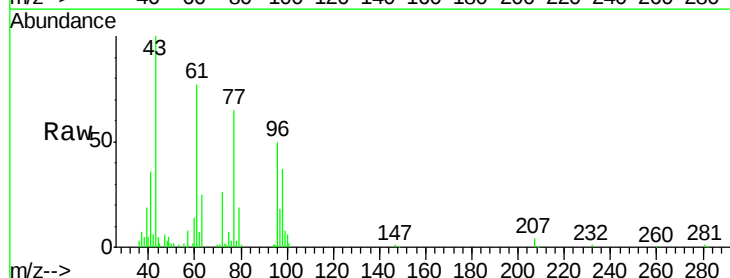
RT: 7.00 min Scan# 863

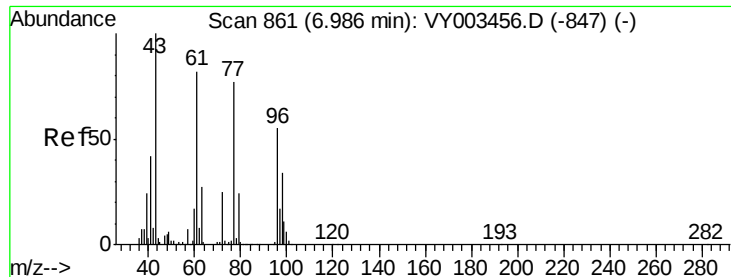
Delta R.T. 0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	43	Resp:	40825
Ion Ratio	Lower	Upper	
43	100		
72	25.6	20.0	30.0





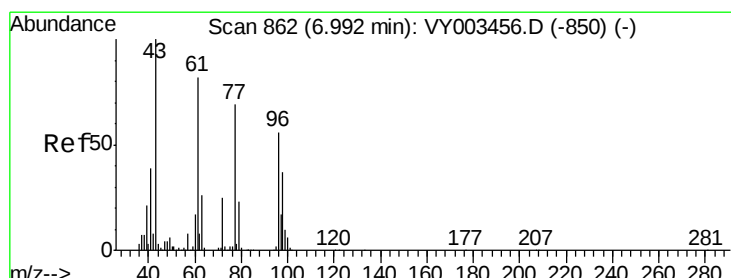
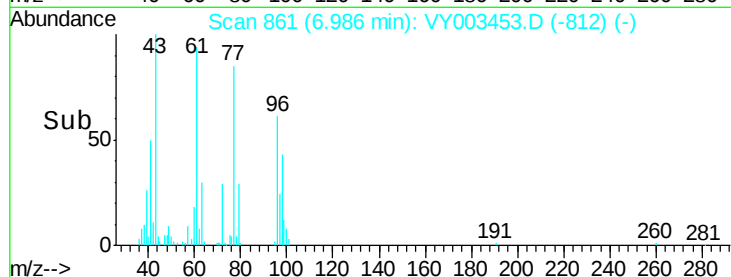
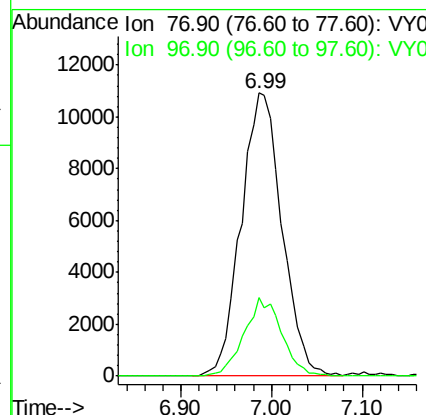
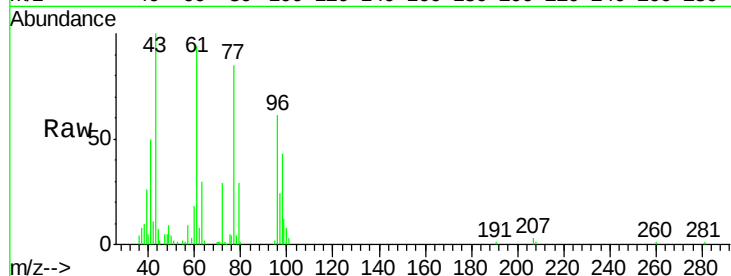
#26
 2,2-Dichloropropane
 Concen: 4.905 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 34093
 Ion Ratio Lower Upper
 77 100
 97 25.5 11.4 34.2

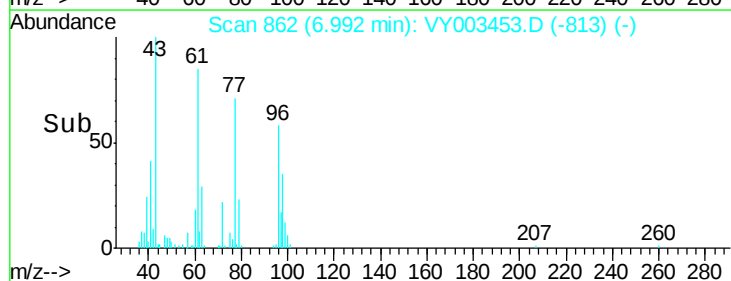
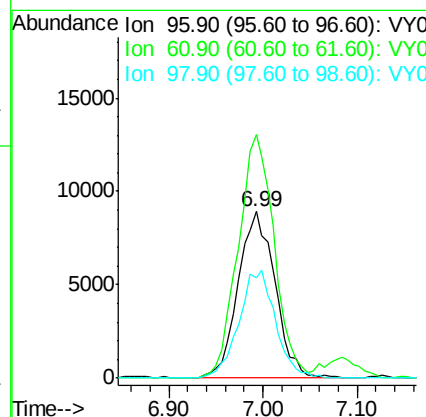
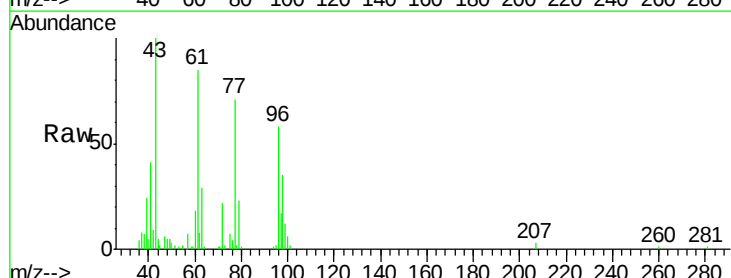
Manual Integrations
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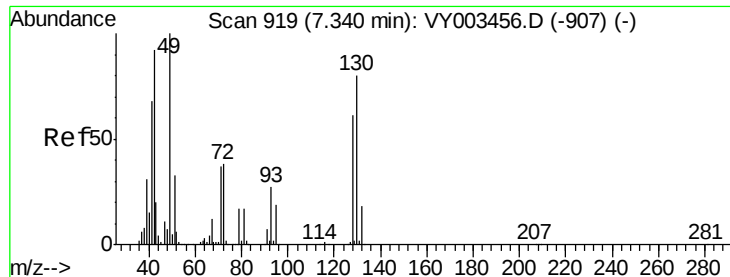
MMDadoda
 10/6/2020 12:55:35 PM



#27
 cis-1,2-Dichloroethene
 Concen: 4.980 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion: 96 Resp: 24419
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 295.2
 98 64.0 0.0 129.0





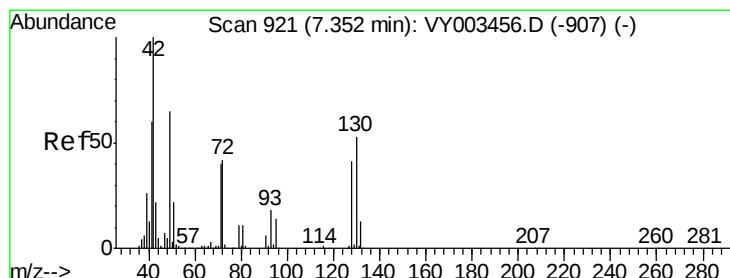
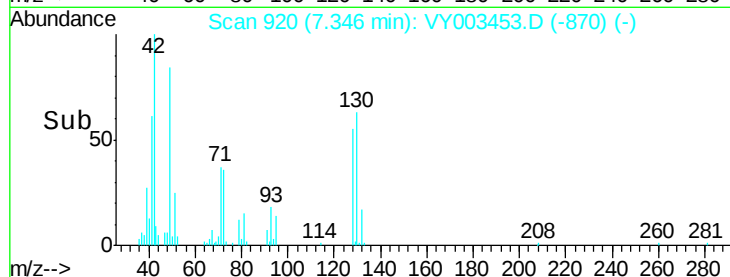
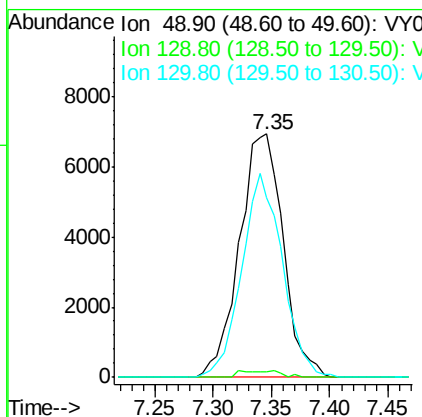
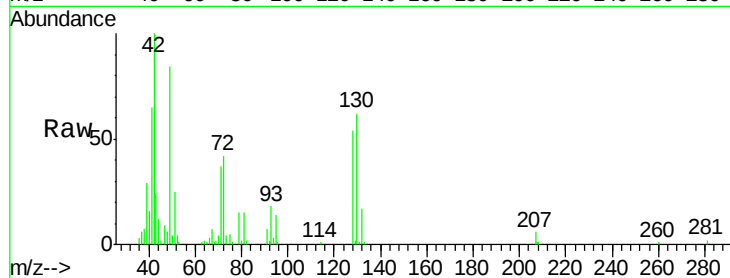
#28
Bromochloromethane
Concen: 5.700 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	77.9	62.4	93.6

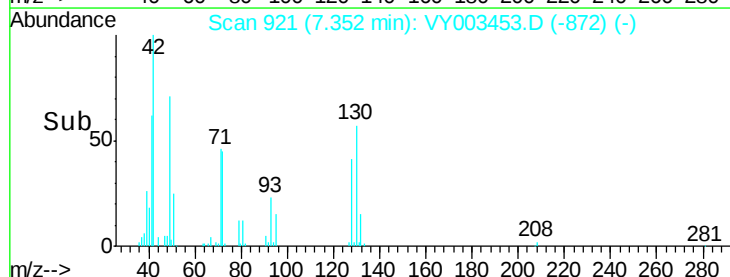
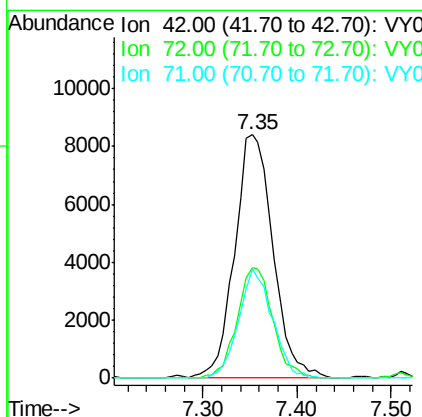
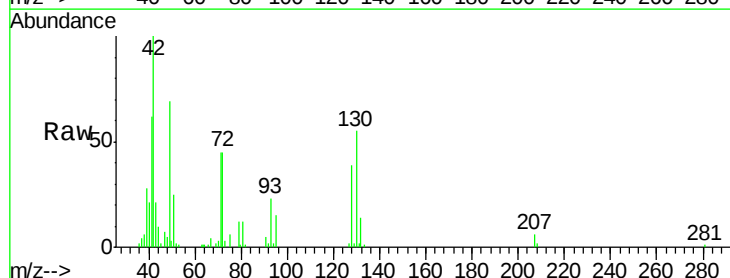
Manual Integrations
APPROVED

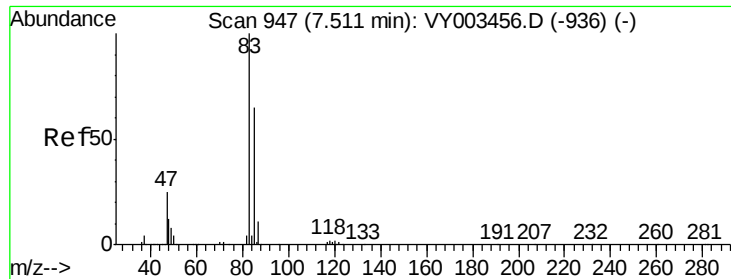
MMDadoda
10/6/2020 12:55:35 PM



#29
Tetrahydrofuran
Concen: 22.983 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.3	49.9
71	39.3	31.7	47.5





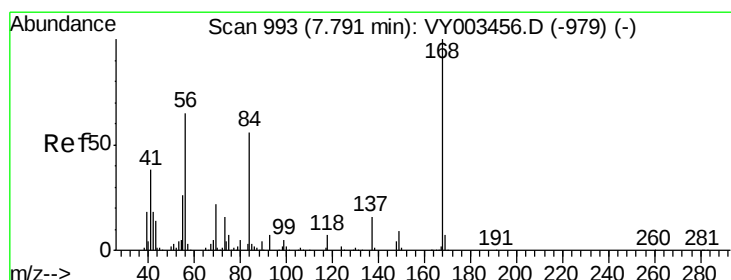
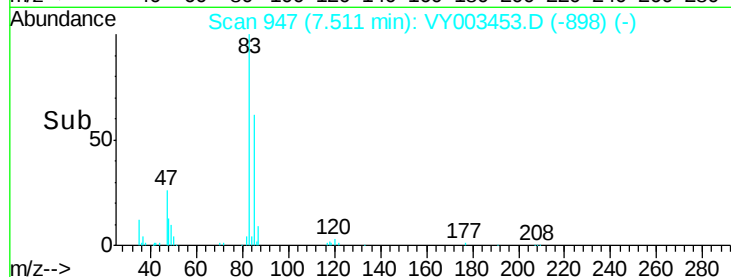
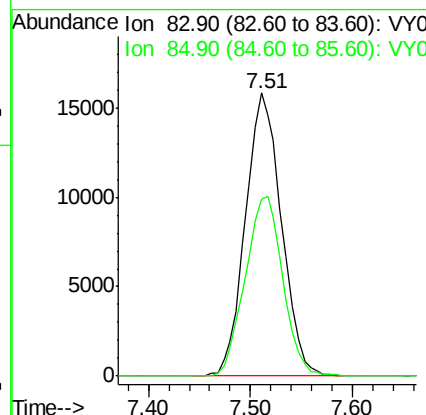
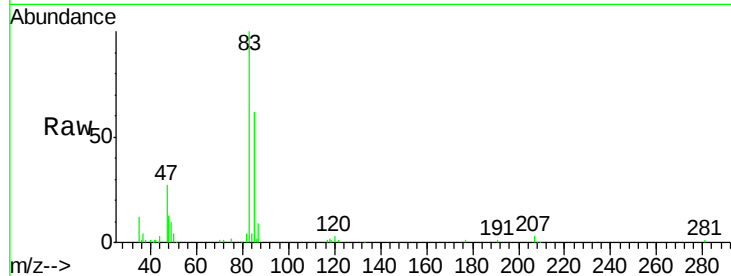
#30
Chloroform
Concen: 5.004 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	38772
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	52.2	78.4

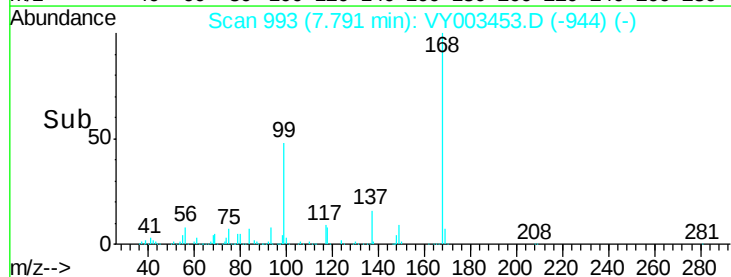
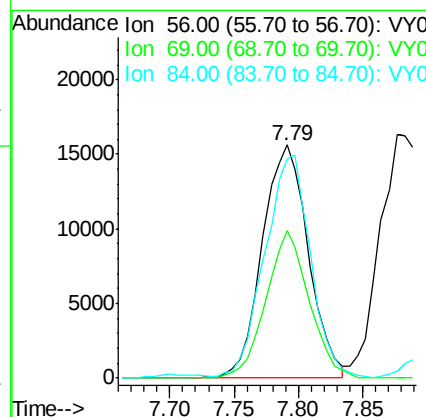
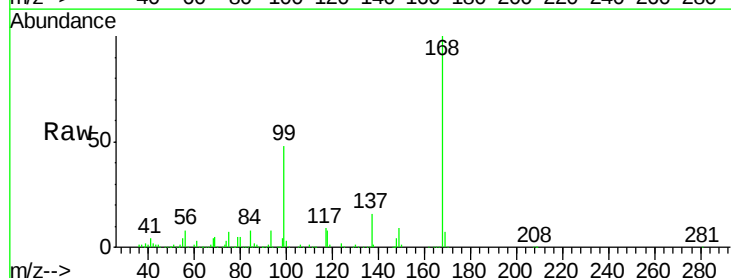
Manual Integrations
APPROVED

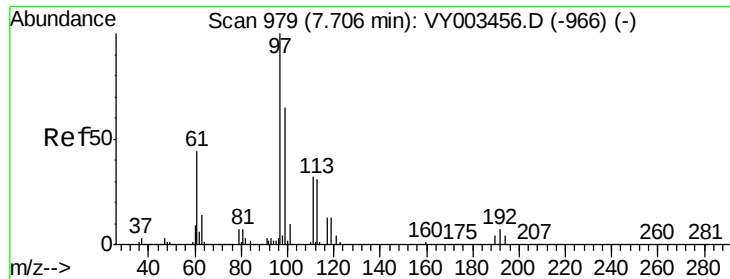
MMDadoda
10/6/2020 12:55:35 PM



#31
Cyclohexane
Concen: 5.186 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	56	Resp	38631
Ion Ratio	100	Lower	Upper
56	100		
69	63.5	26.8	40.2#
84	92.5	69.1	103.7





#32

1,1,1-Trichloroethane

Concen: 5.100 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

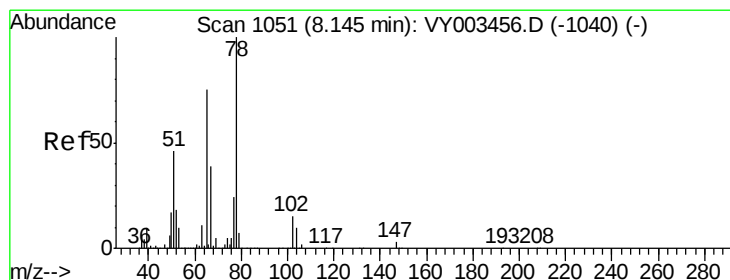
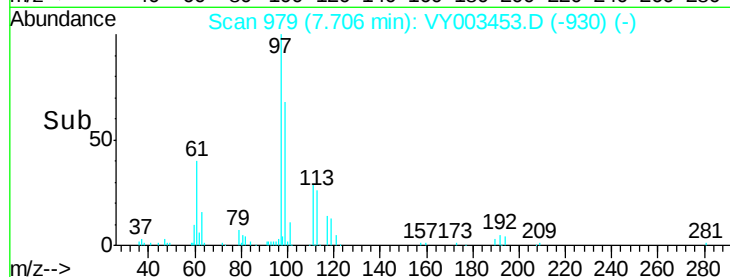
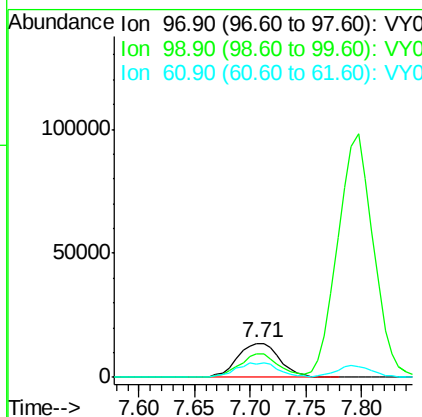
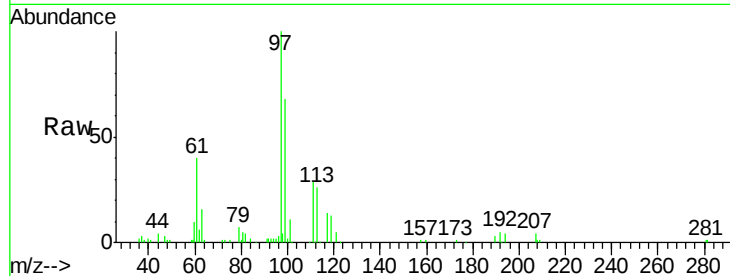
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	36102
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.5	77.3
61	43.3	34.4	51.6

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 5.225 ug/l

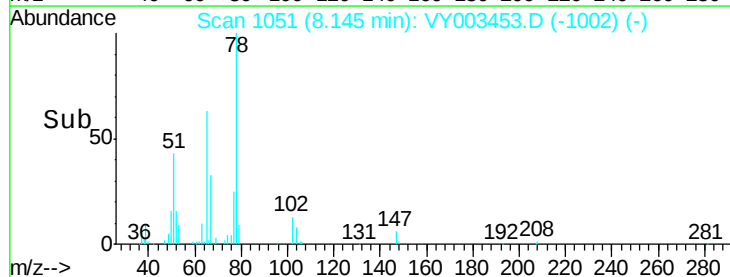
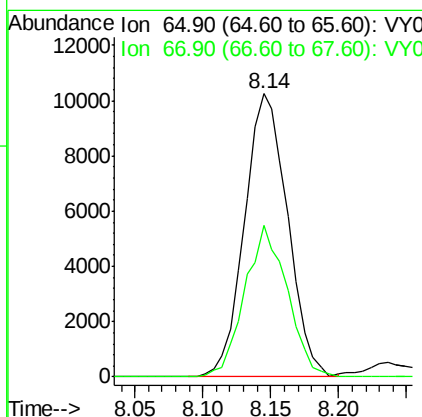
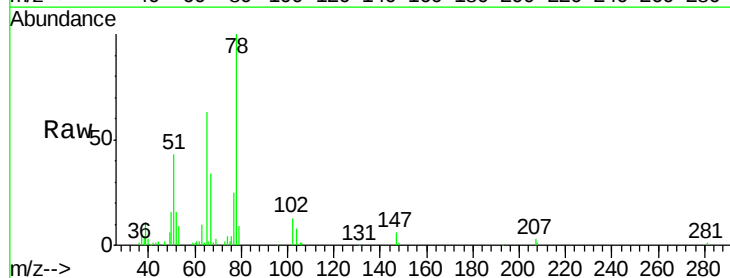
RT: 8.14 min Scan# 1051

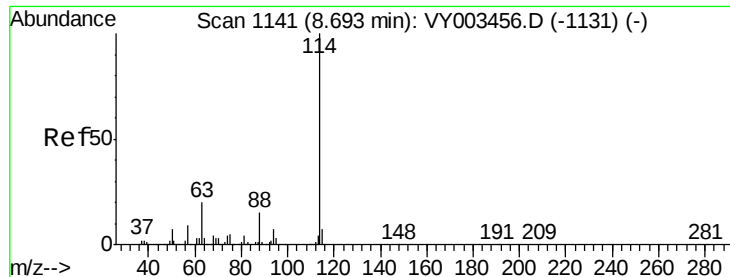
Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	65	Resp:	22720
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4





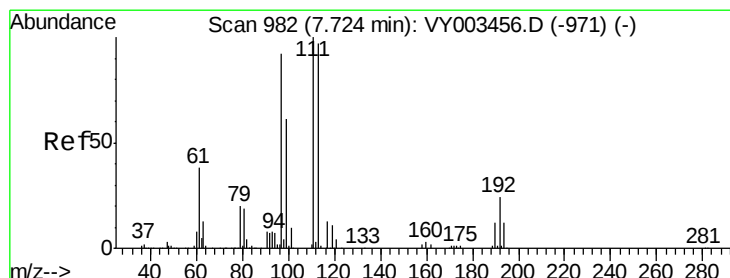
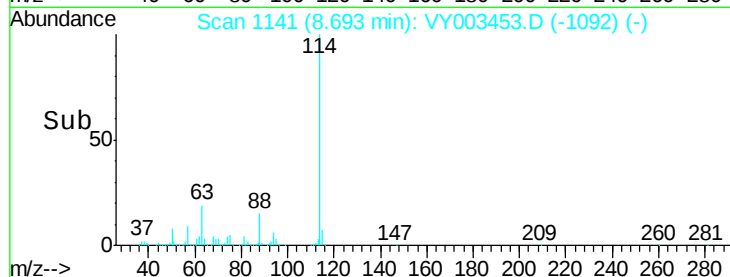
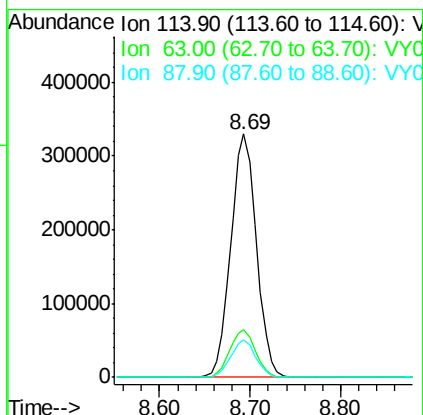
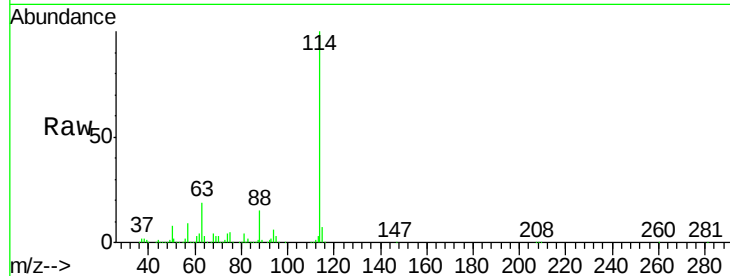
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.4	0.0	40.2
88	15.4	0.0	30.0

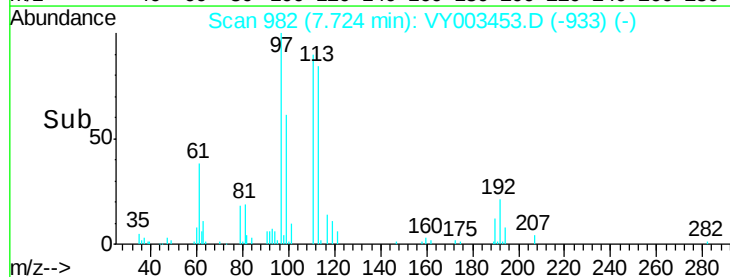
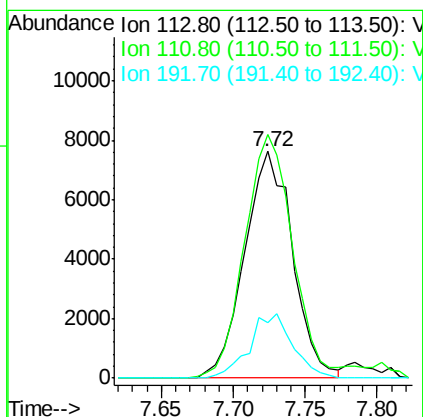
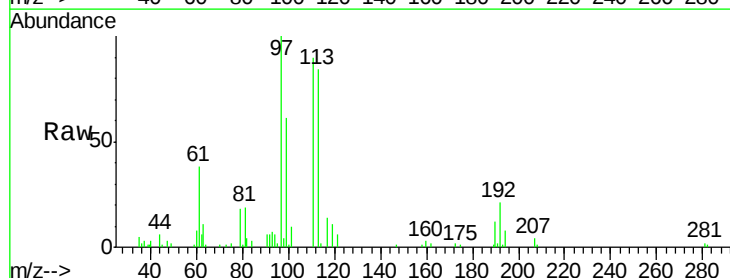
Manual Integrations
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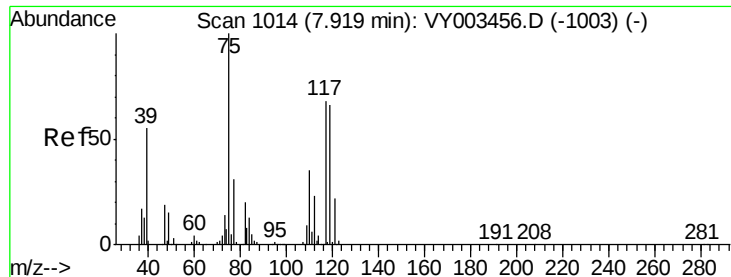
MMDadoda
 10/6/2020 12:55:35 PM



#35
 Dibromofluoromethane
 Concen: 4.627 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	107.3	82.2	123.2
192	25.5	19.8	29.6





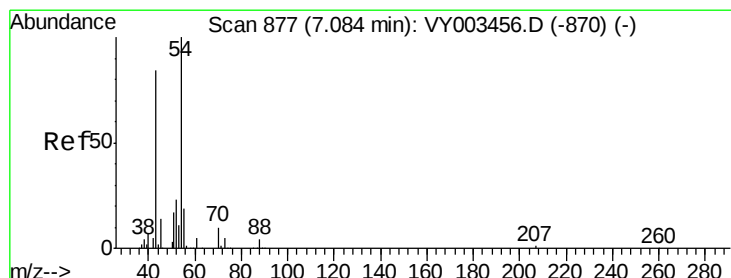
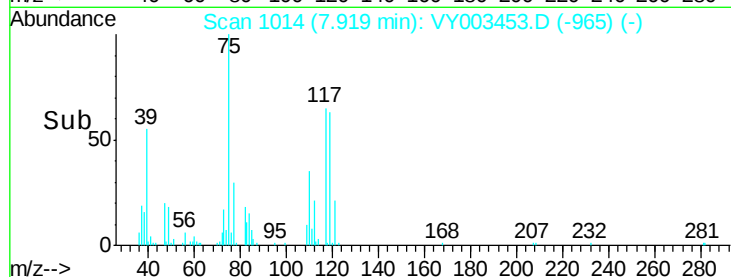
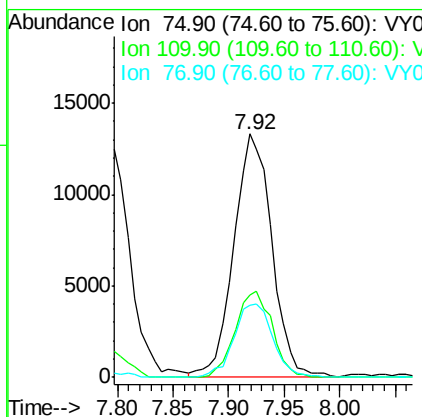
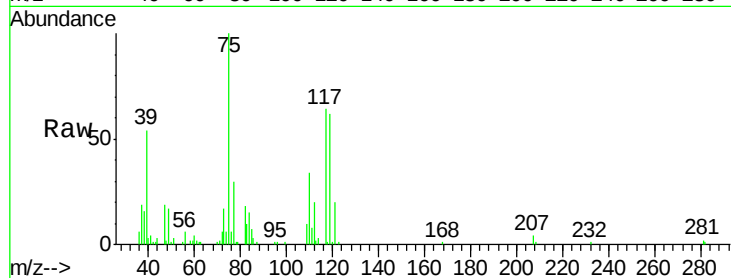
#36
 1,1-Dichloropropene
 Concen: 5.229 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.8	53.3
77	30.7	24.8	37.2

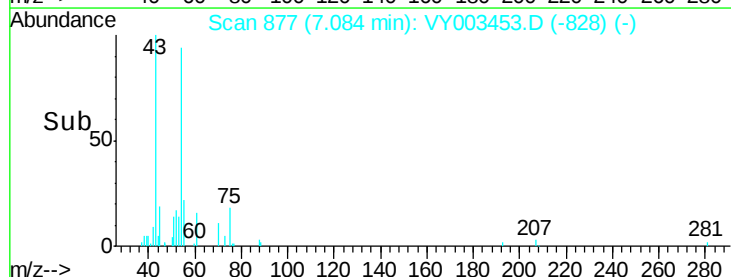
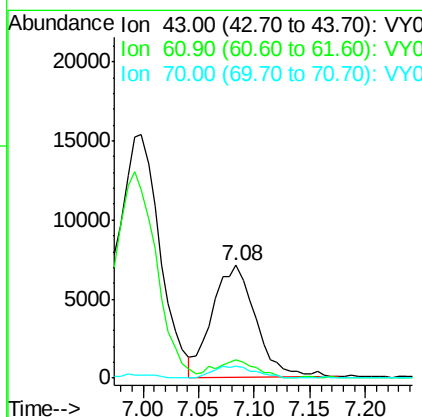
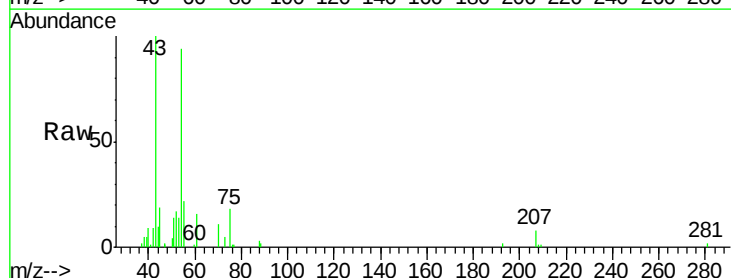
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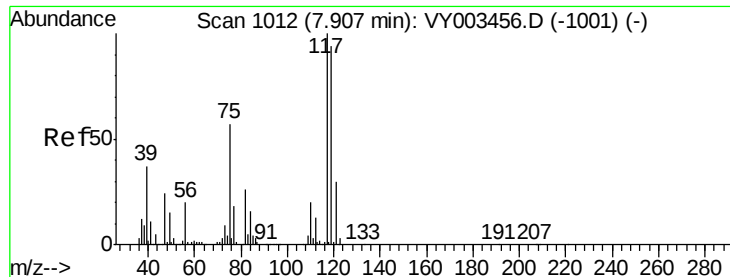
MMDadoda
 10/6/2020 12:55:35 PM



#37
 Ethyl Acetate
 Concen: 5.496 ug/l
 RT: 7.08 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.0	16.4
70	10.4	8.2	12.2





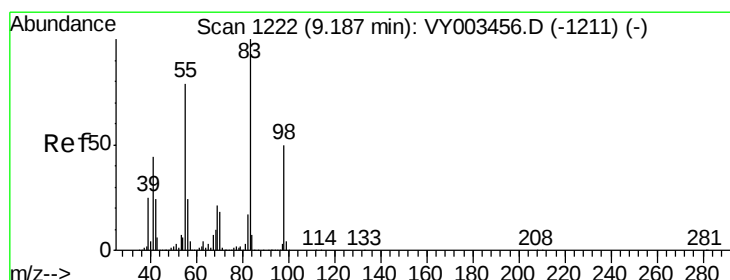
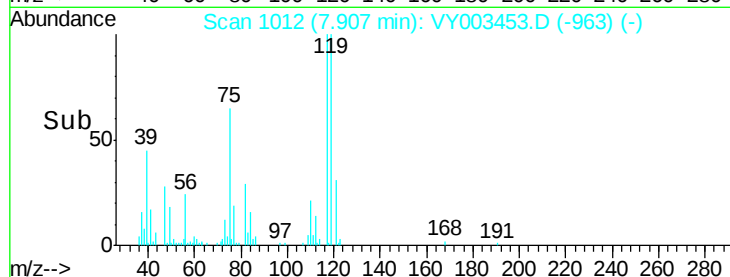
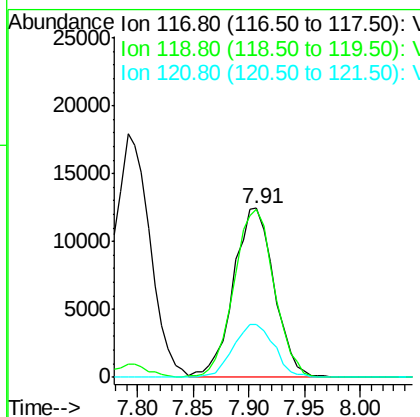
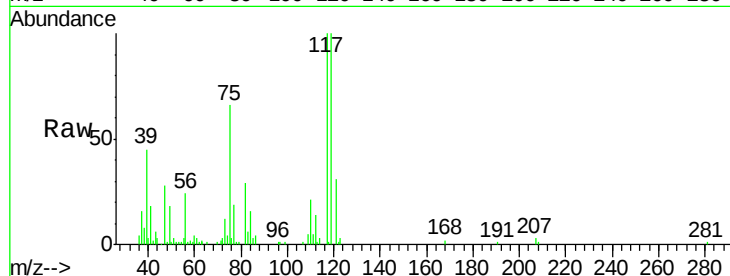
#38
Carbon Tetrachloride
Concen: 5.059 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.7	74.7	112.1
121	31.1	24.3	36.5

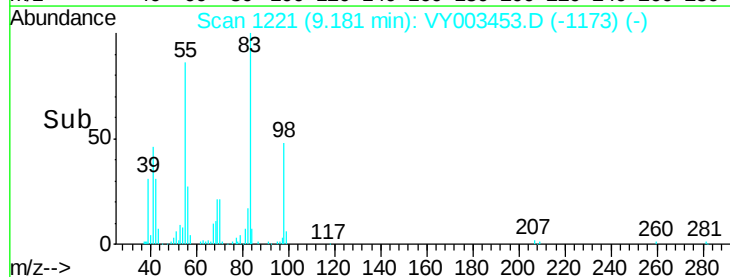
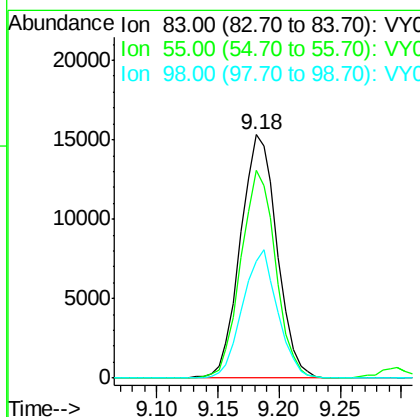
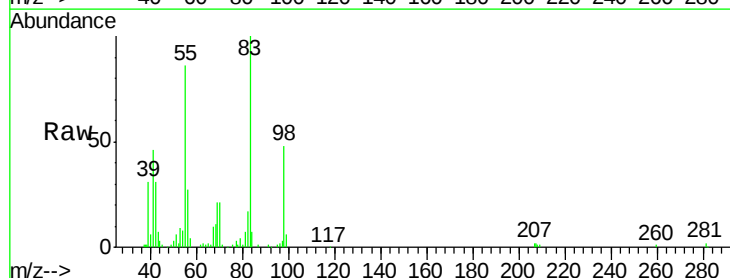
Manual Integrations
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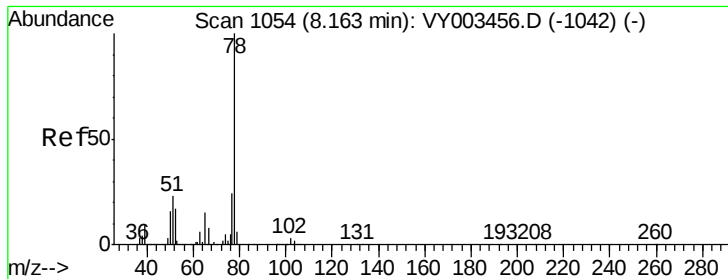
MMDadoda
10/6/2020 12:55:35 PM



#39
Methylcyclohexane
Concen: 4.366 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.5	63.0	94.6
98	48.0	39.7	59.5





#40

Benzene

Concen: 5.232 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 88473

Ion Ratio Lower Upper

78 100

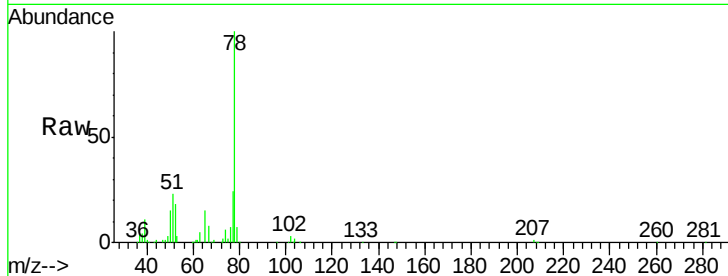
77 24.1 19.3 28.9

Manual Integrations

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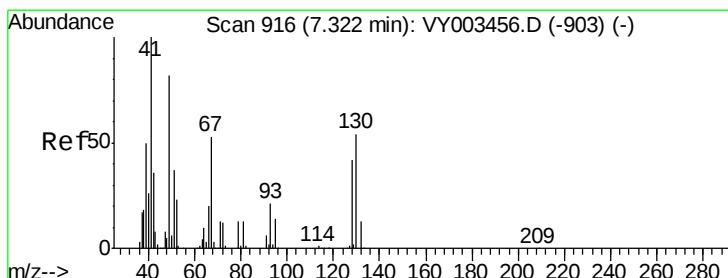
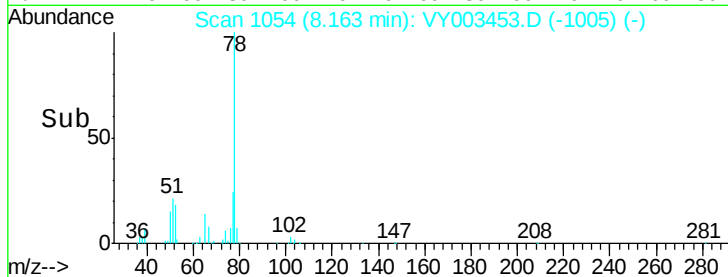
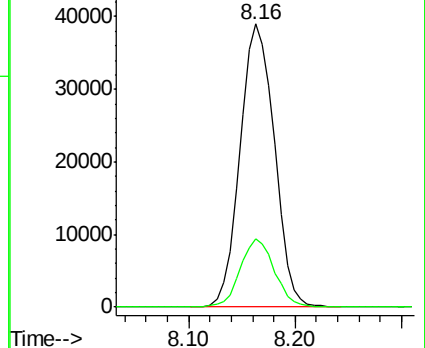
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Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#41

Methacrylonitrile

Concen: 4.058 ug/l m

RT: 7.31 min Scan# 914

Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion: 41 Resp: 7878

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

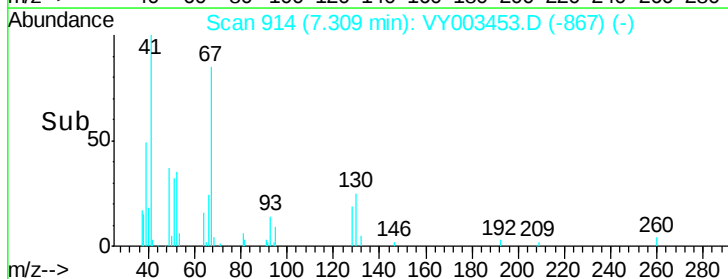
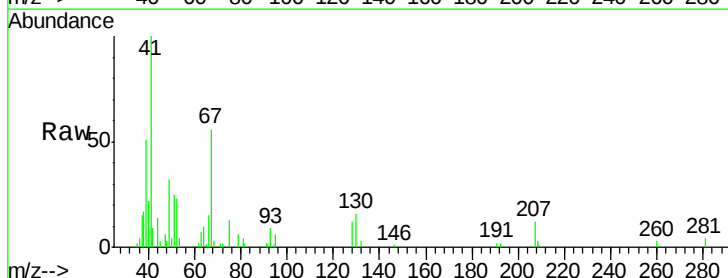
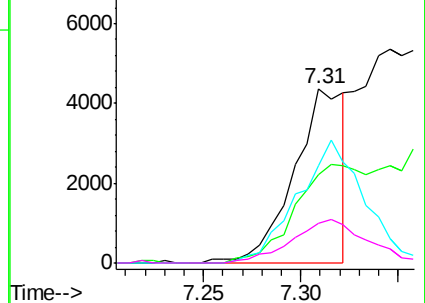
52 0.0 0.0 0.0

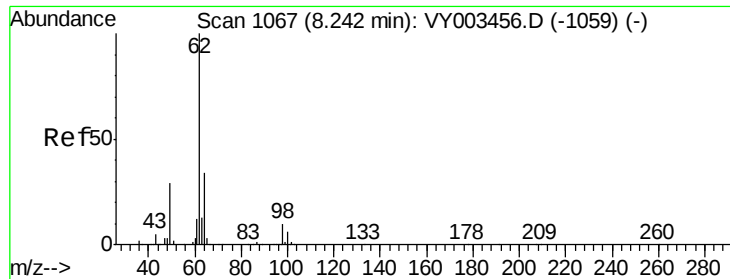
Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 5.565 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

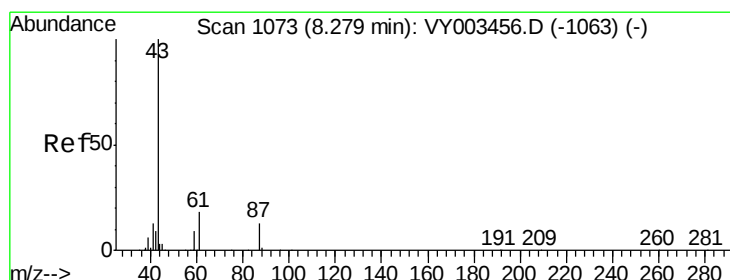
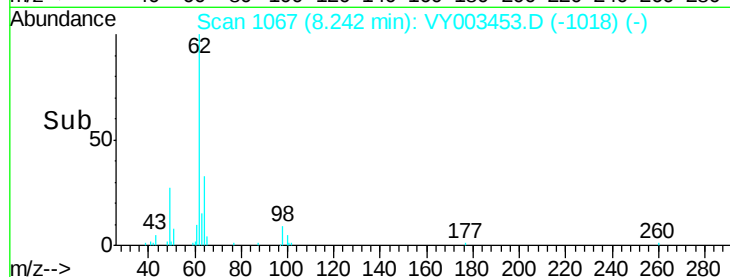
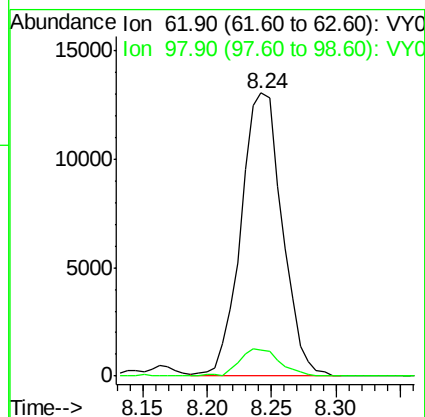
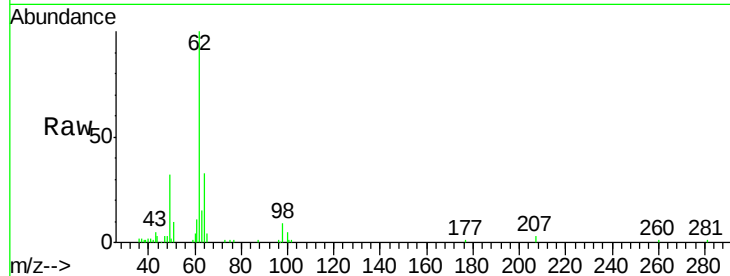
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
62	100		
98	9.5	0.0	18.6

Manual Integrations
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MMDadoda
10/6/2020 12:55:35 PM



#43

Isopropyl Acetate

Concen: 5.185 ug/l

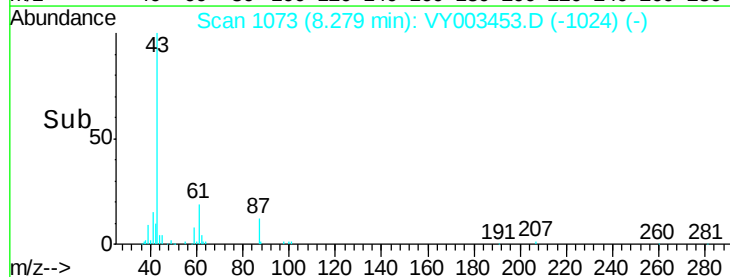
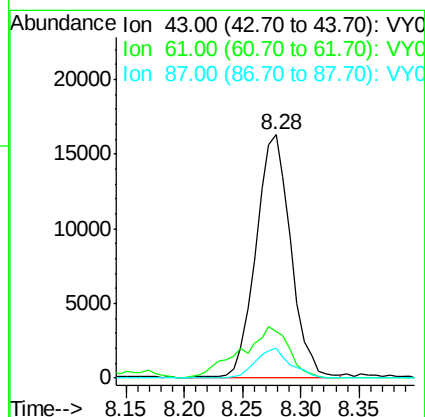
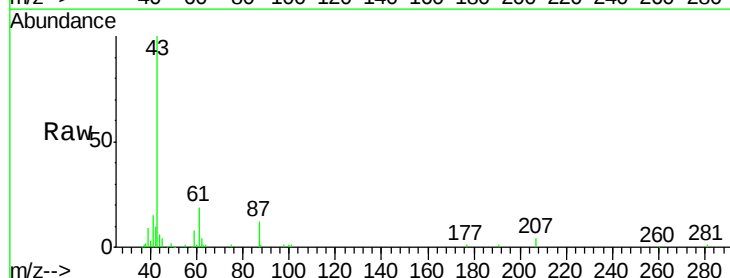
RT: 8.28 min Scan# 1073

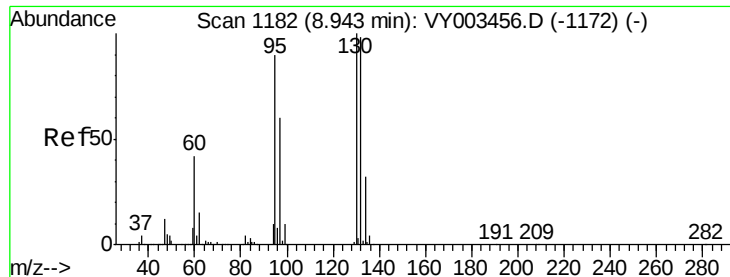
Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	29.1	22.7	34.1
87	12.2	10.4	15.6





#44

Trichloroethene

Concen: 5.459 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 26600

Ion Ratio Lower Upper

130 100

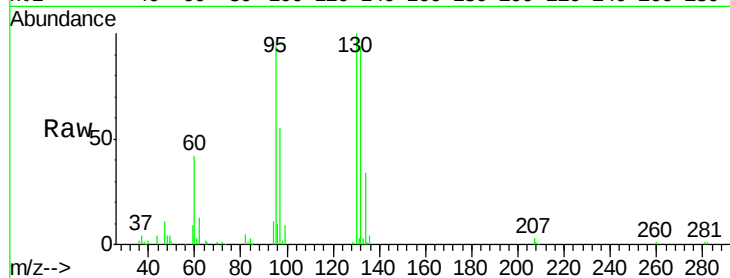
95 94.4 0.0 180.6

Manual Integrations

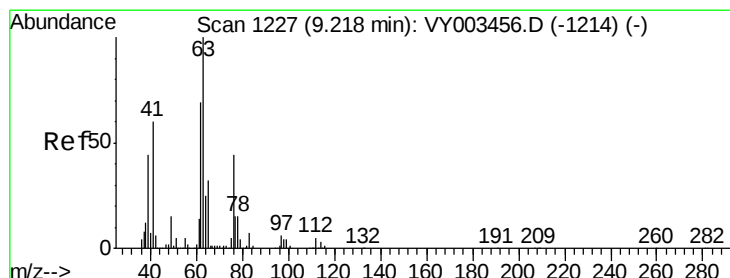
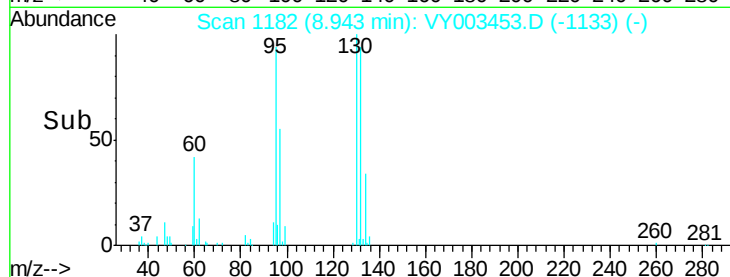
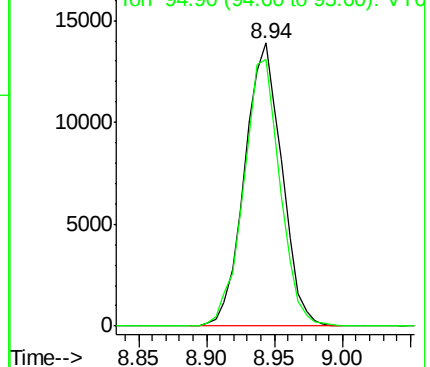
APPROVED

MMDadoda

10/6/2020 12:55:35 PM



Abundance Ion 129.80 (129.50 to 130.50): VY003453.D (-1172) (-)



#45

1,2-Dichloropropane

Concen: 5.141 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003453.D

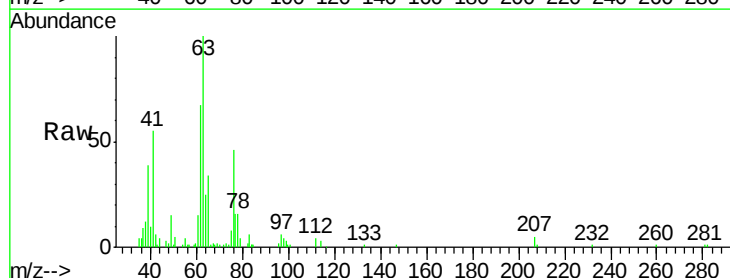
Acq: 05 Oct 2020 15:05

Tgt Ion: 63 Resp: 22652

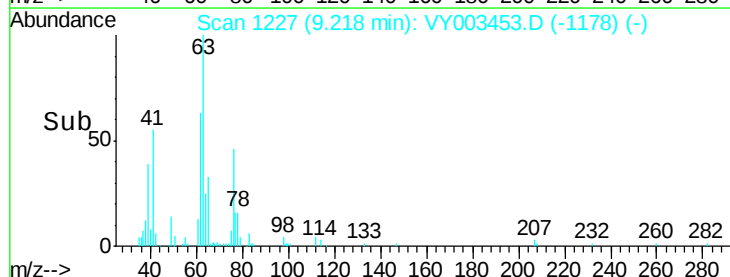
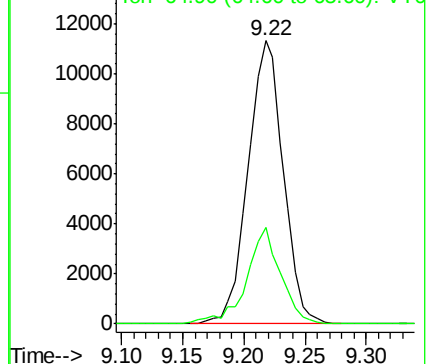
Ion Ratio Lower Upper

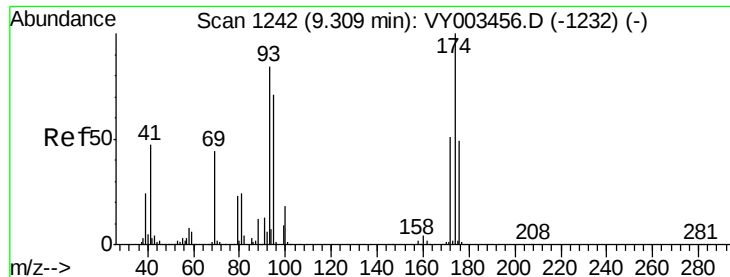
63 100

65 34.0 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY003453.D (-1178) (-)





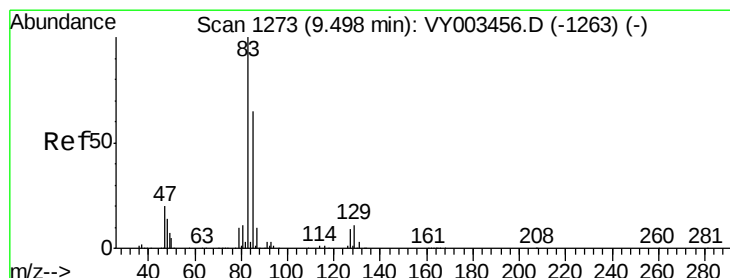
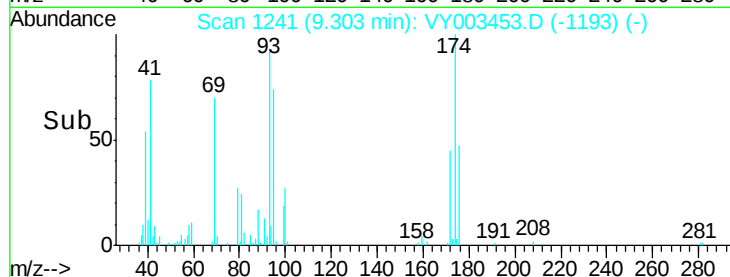
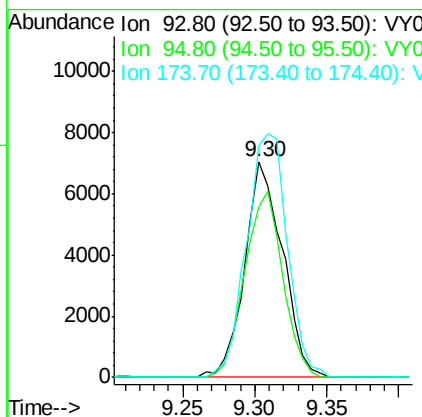
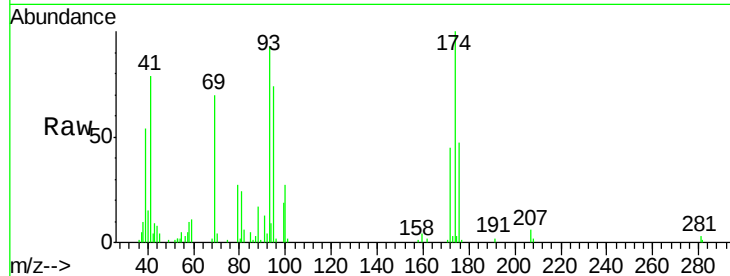
#46
Dibromomethane
Concen: 5.154 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
93	100			
95	86.3	65.6	98.4	
174	121.7	94.3	141.5	

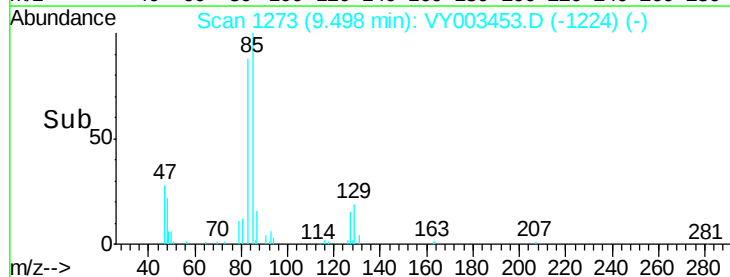
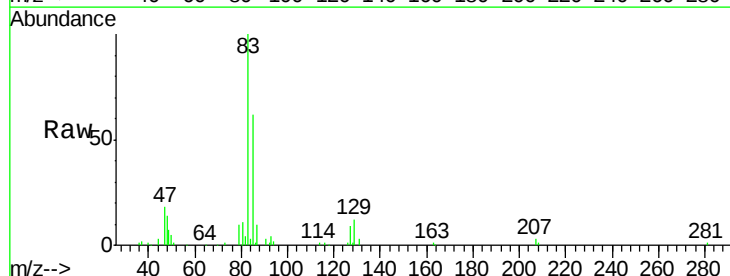
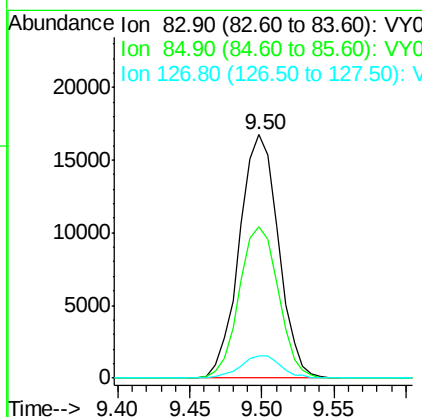
Manual Integrations
APPROVED

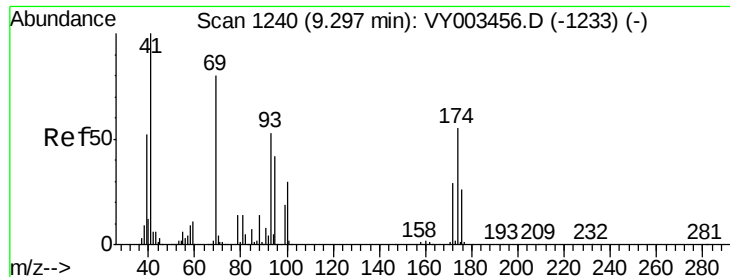
MMDadoda
10/6/2020 12:55:35 PM



#47
Bromodichloromethane
Concen: 5.272 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	62.1	52.1	78.1	
127	9.3	7.5	11.3	





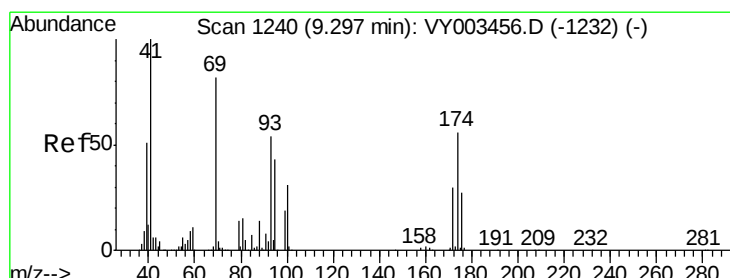
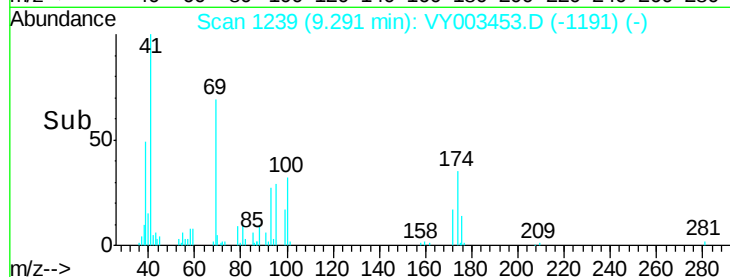
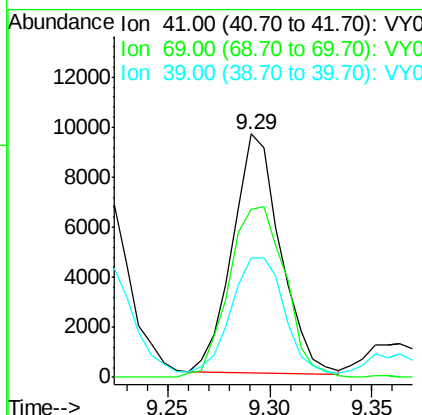
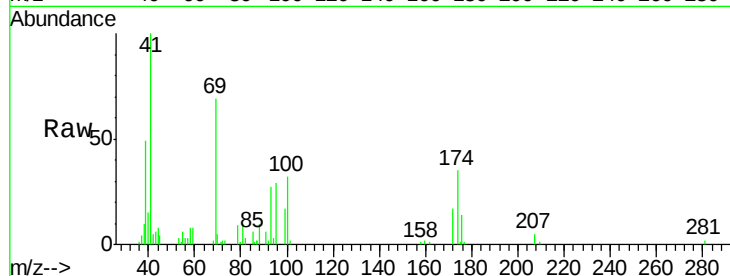
#48
Methvl methacrylate
Concen: 5.207 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
69	83.7	66.3	99.5
39	57.7	45.2	67.8

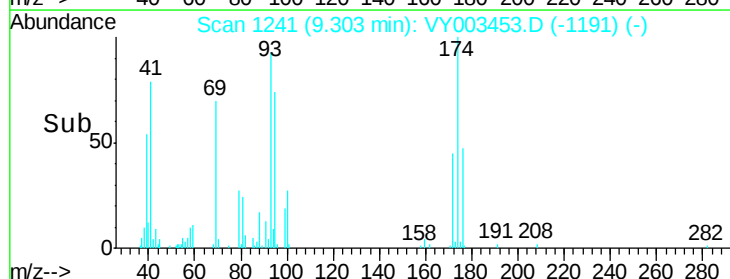
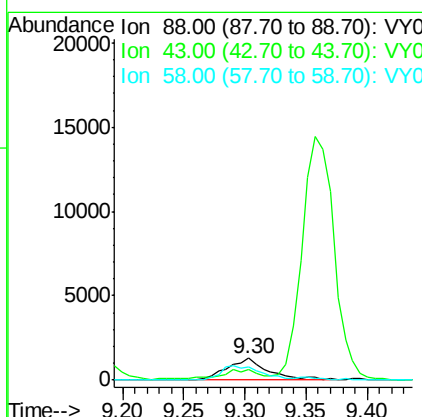
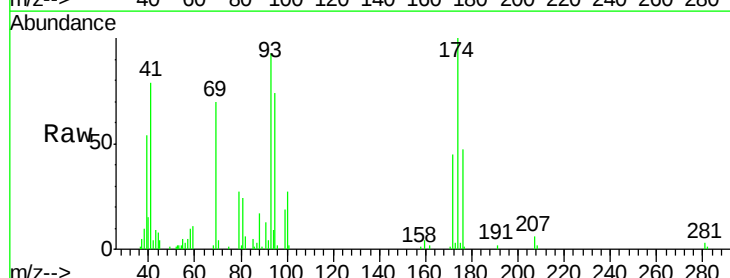
Manual Integrations
APPROVED

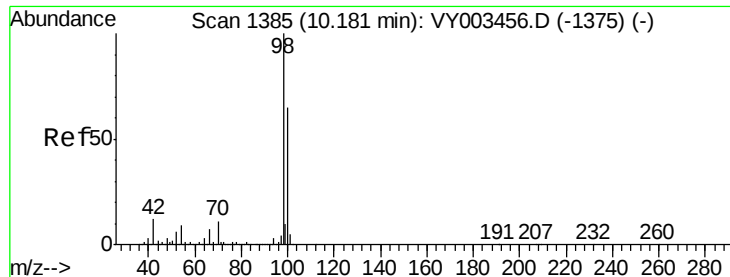
MMDadoda
10/6/2020 12:55:35 PM



#49
1,4-Dioxane
Concen: 94.104 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
88	100		
43	47.7	28.6	43.0#
58	64.9	51.8	77.6





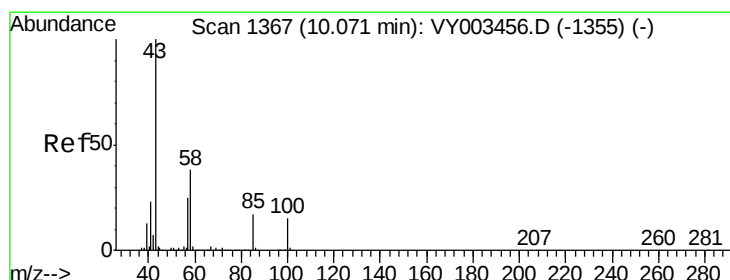
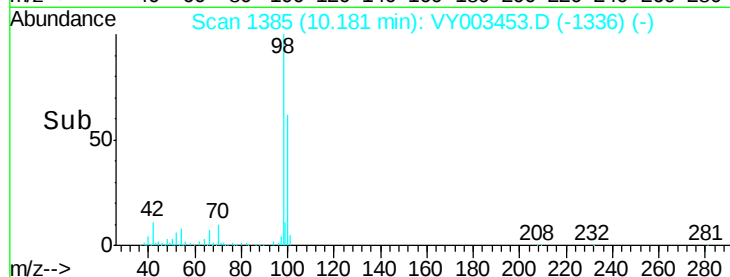
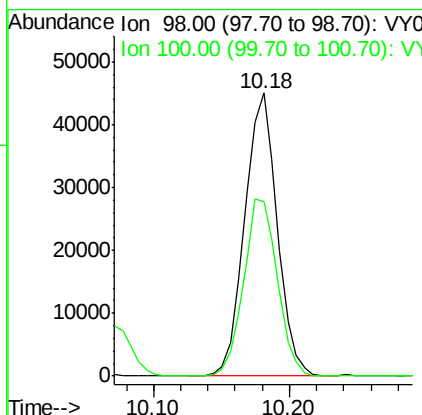
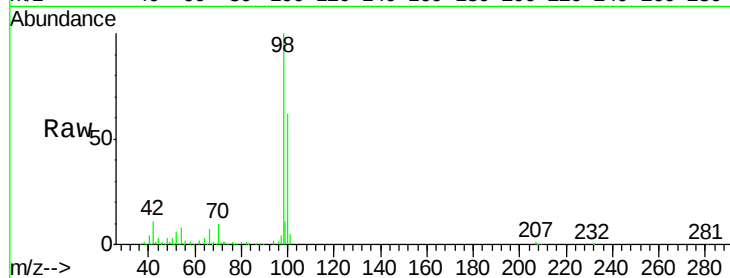
#50
Toluene-d8
Concen: 5.005 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 75310
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8

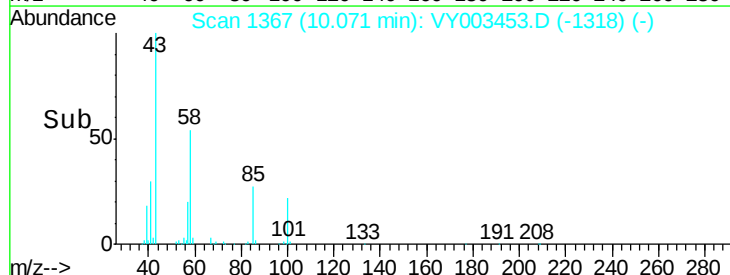
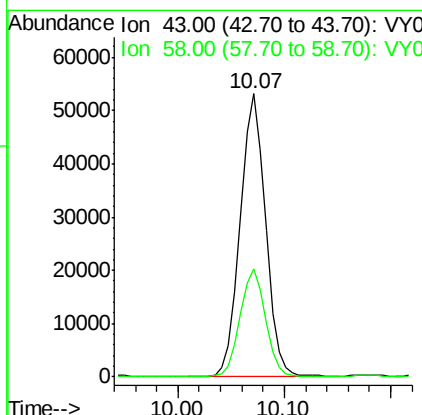
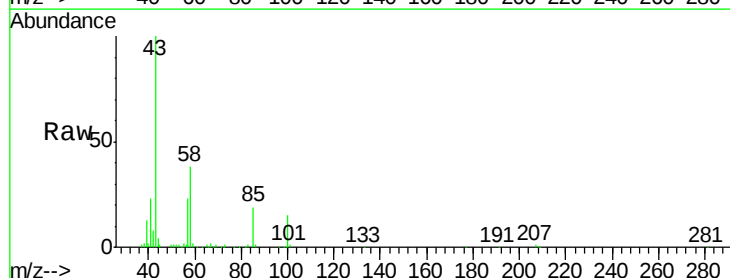
Manual Integrations
APPROVED

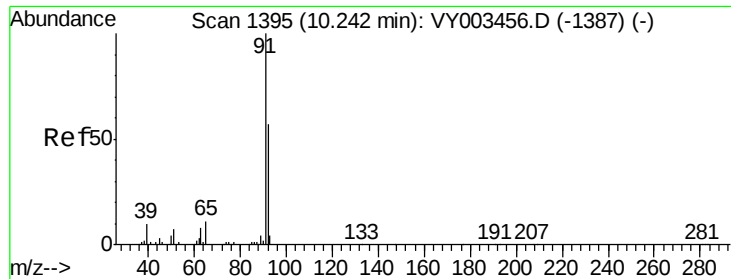
MMDadoda
10/6/2020 12:55:35 PM



#51
4-Methyl-2-Pentanone
Concen: 25.942 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion: 43 Resp: 89729
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6





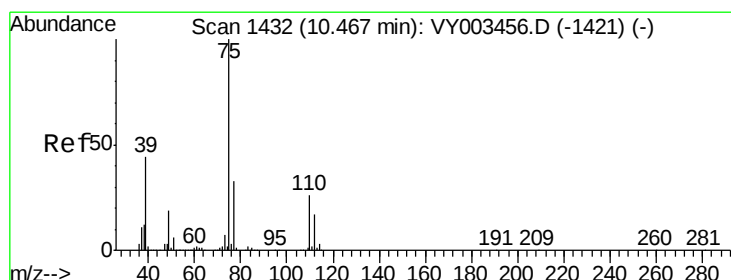
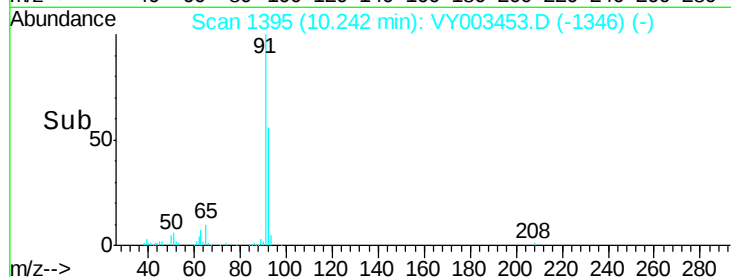
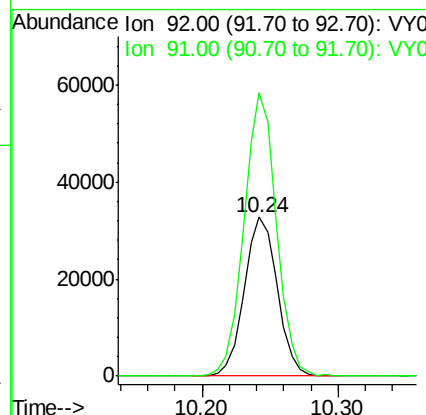
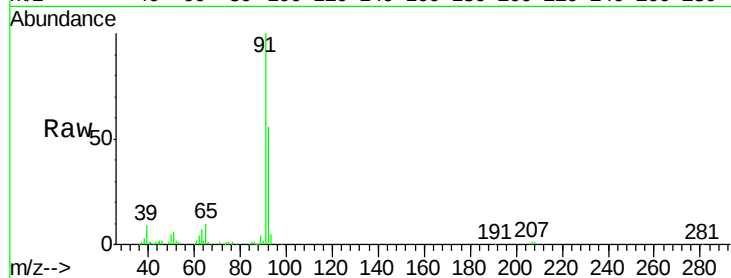
#52
Toluene
Concen: 5.217 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.0	210.0

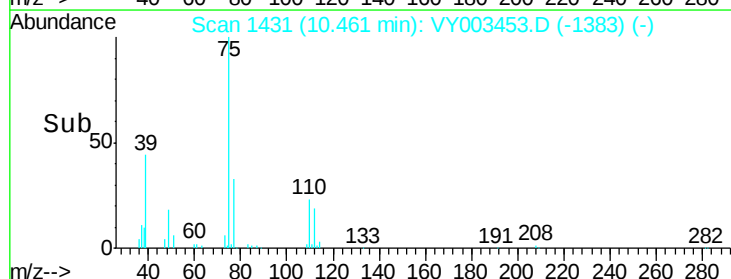
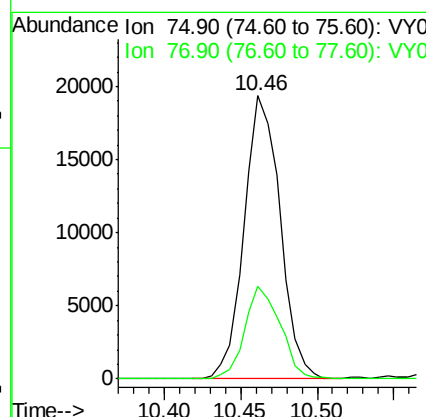
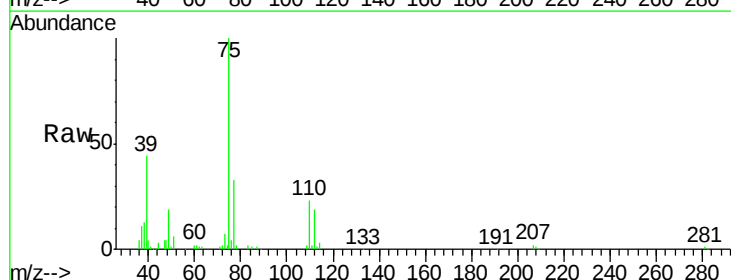
Manual Integrations
APPROVED

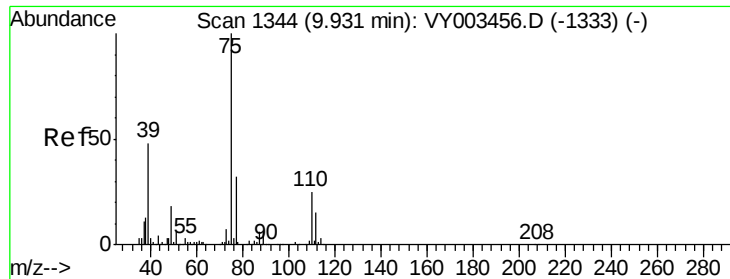
MMDadoda
10/6/2020 12:55:35 PM



#53
t-1,3-Dichloropropene
Concen: 4.956 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.0	39.0





#54

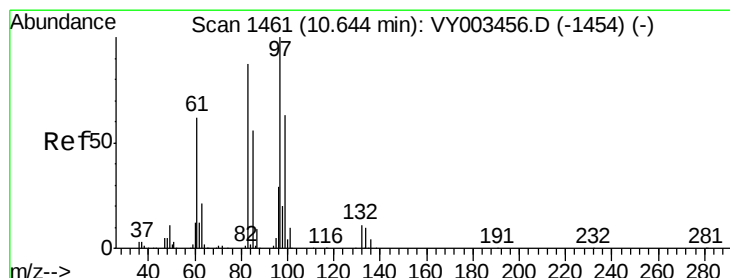
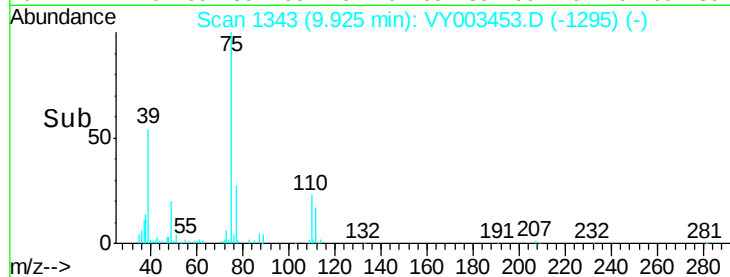
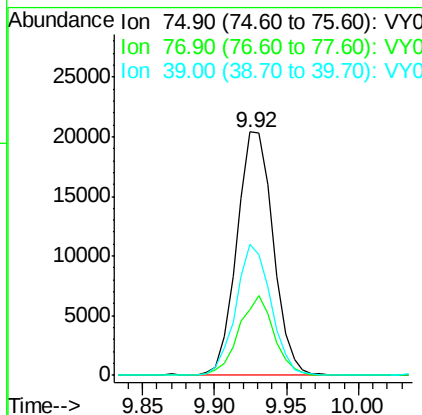
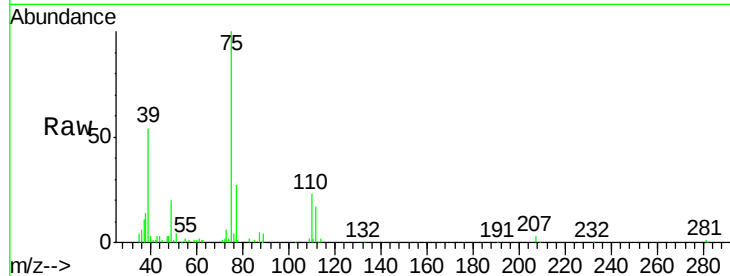
cis-1,3-Dichloropropene
Concen: 4.986 ug/l
RT: 9.92 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.9	25.9	38.9
39	53.6	38.7	58.1

Manual Integrations
APPROVED

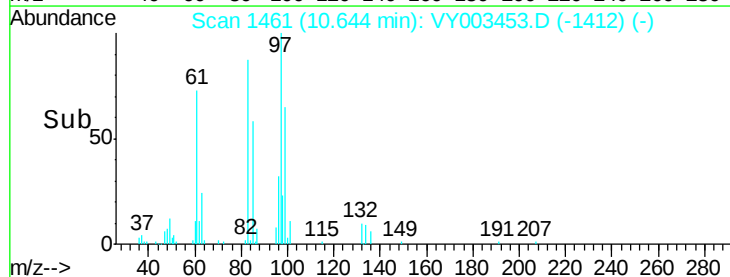
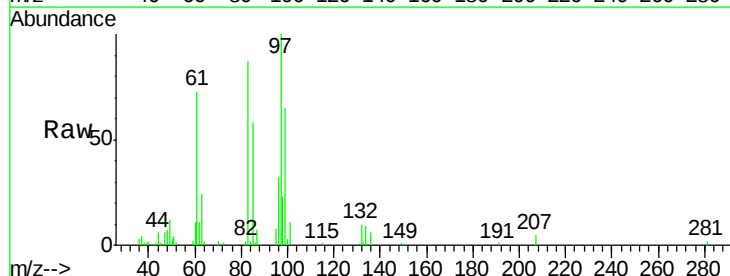
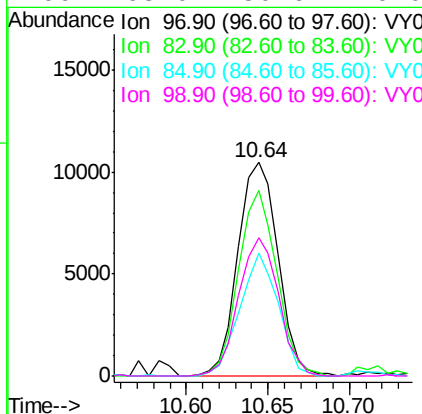
MMDadoda
10/6/2020 12:55:35 PM

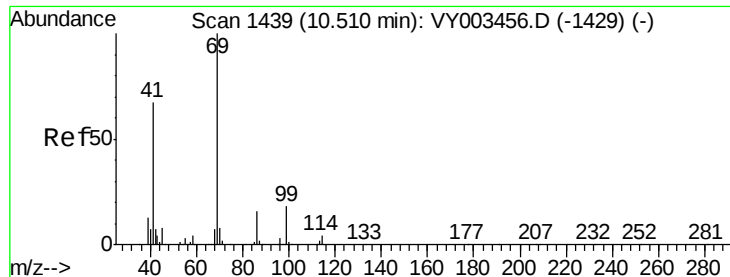


#55

1,1,2-Trichloroethane
Concen: 5.164 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.9	104.9
85	57.8	44.5	66.7
99	65.0	50.6	76.0





#56

Ethyl methacrylate

Concen: 4.694 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

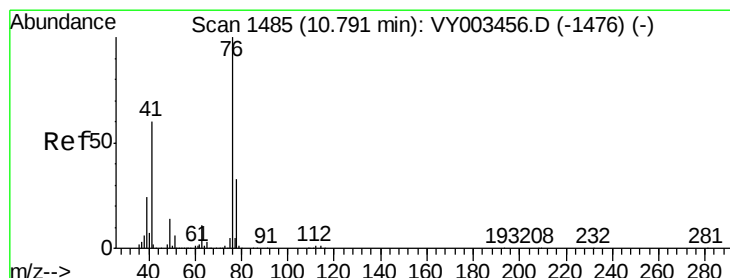
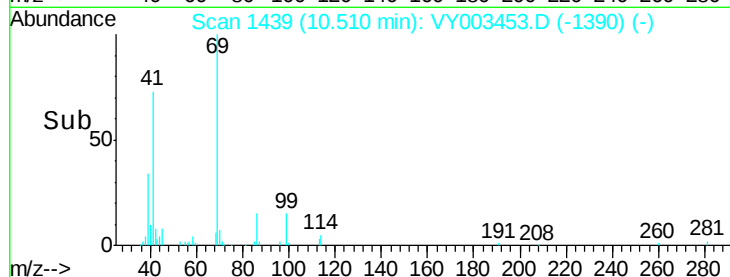
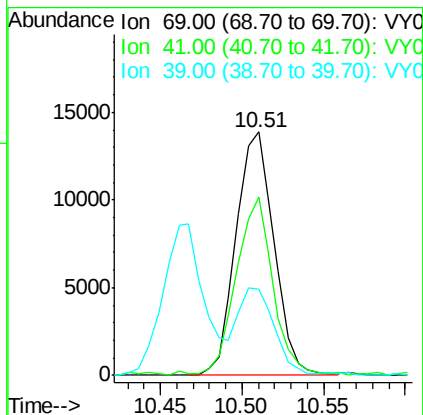
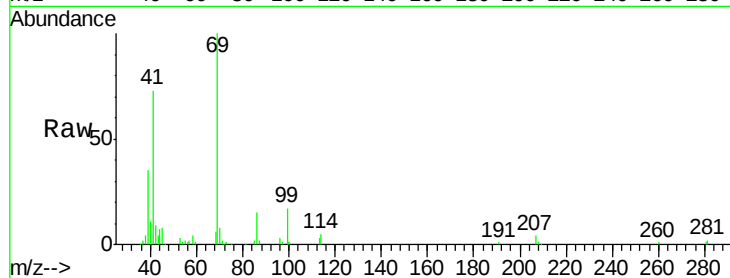
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	22592
Ion Ratio	Lower	Upper	
69	100		
41	71.6	55.4	83.2
39	32.5	28.8	43.2

Manual Integrations
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10/6/2020 12:55:35 PM



#57

1,3-Dichloropropane

Concen: 5.139 ug/l

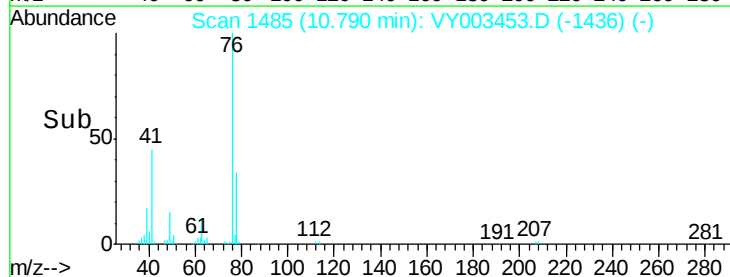
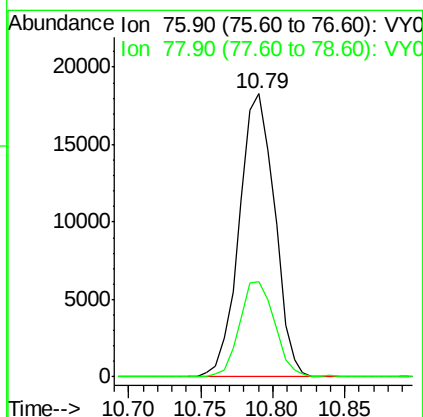
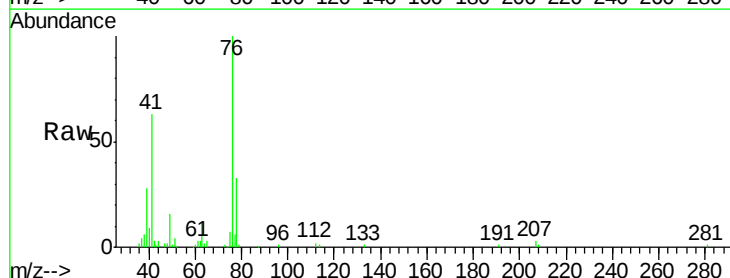
RT: 10.79 min Scan# 1485

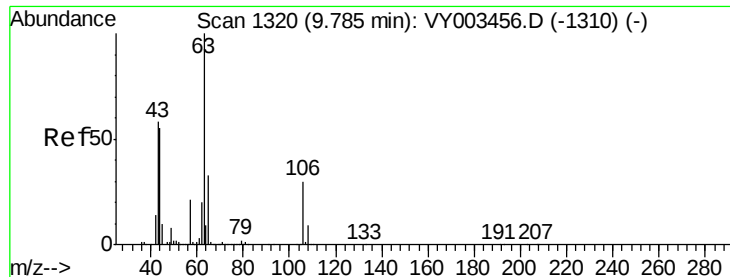
Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Tgt Ion:	76	Resp:	31155
Ion Ratio	Lower	Upper	
76	100		
78	33.3	26.2	39.2





#58

2-Chloroethyl Vinyl ether

Concen: 27.728 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 63252

Ion Ratio Lower Upper

63 100

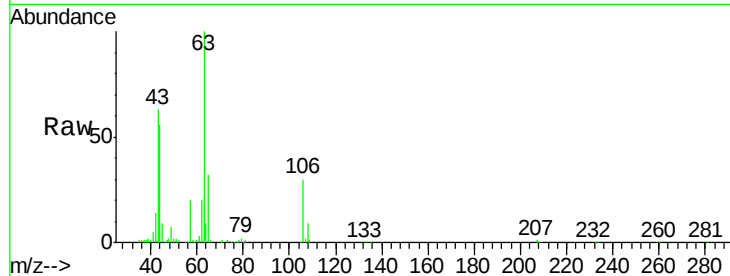
106 29.4 22.8 34.2

Manual Integrations

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10/6/2020 12:55:35 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): VY0

9.78

40000

30000

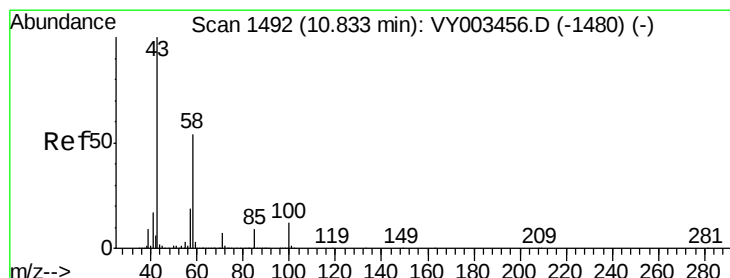
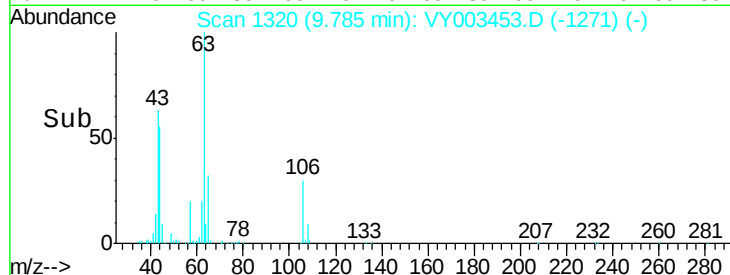
20000

10000

0

9.70 9.75 9.80 9.85

Time-->



#59

2-Hexanone

Concen: 25.180 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003453.D

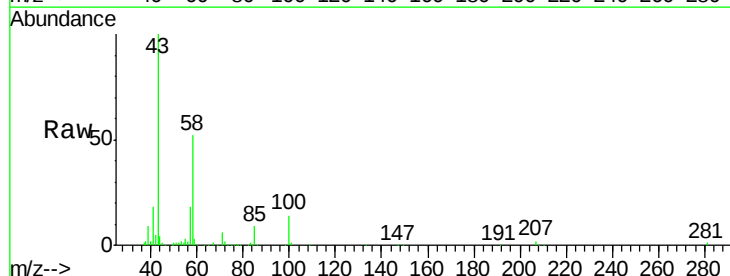
Acq: 05 Oct 2020 15:05

Tgt Ion: 43 Resp: 60809

Ion Ratio Lower Upper

43 100

58 52.2 26.8 80.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.83

40000

30000

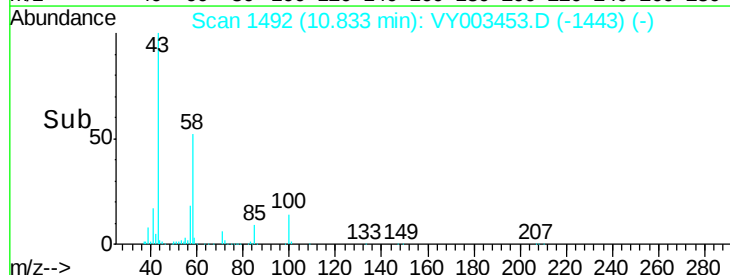
20000

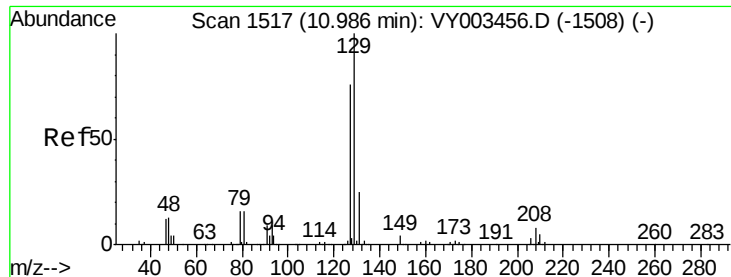
10000

0

10.80 10.90

Time-->





#60

Dibromochloromethane

Concen: 5.125 ug/l

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 22451

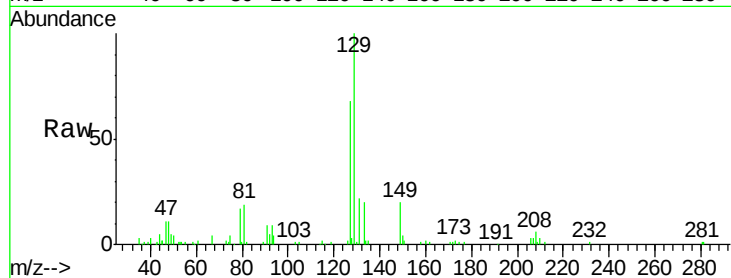
Ion Ratio Lower Upper

129 100

127 78.7 38.6 116.0

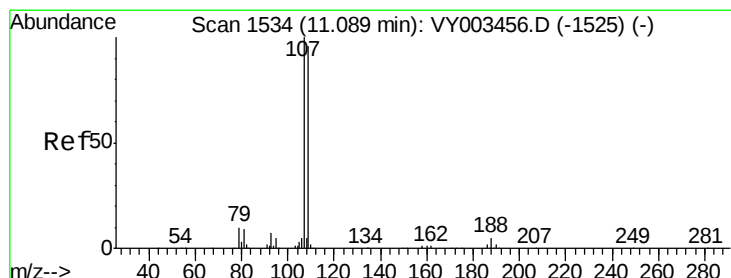
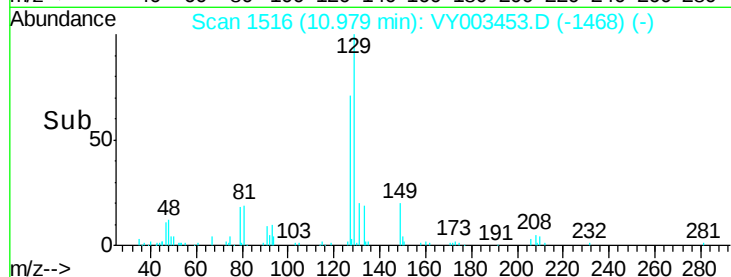
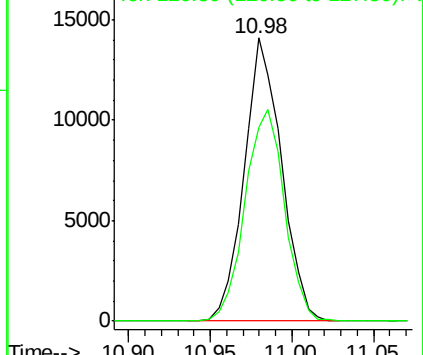
Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 5.206 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY003453.D

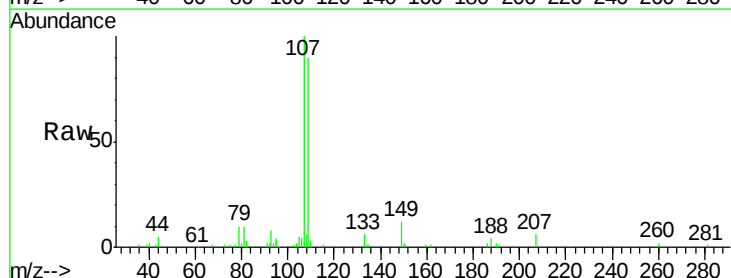
Acq: 05 Oct 2020 15:05

Tgt Ion:107 Resp: 17599

Ion Ratio Lower Upper

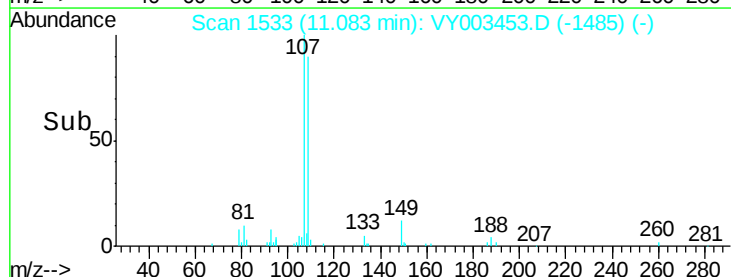
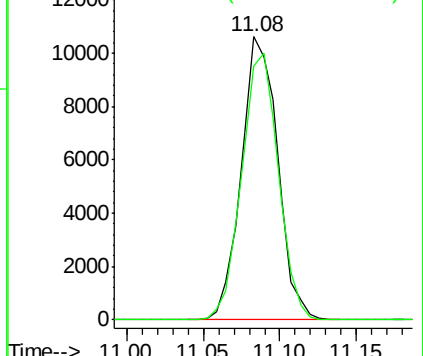
107 100

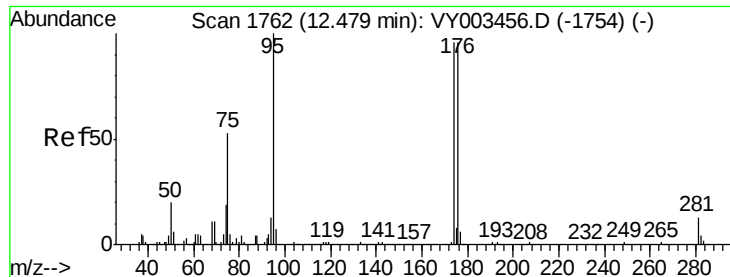
109 94.6 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





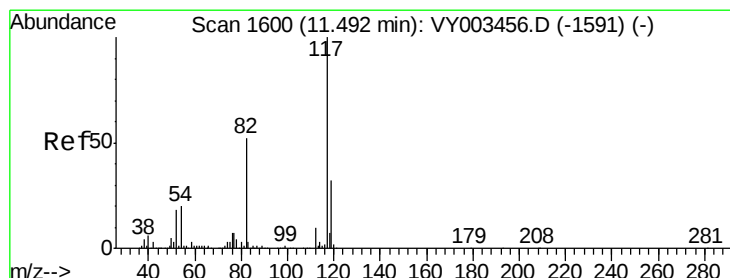
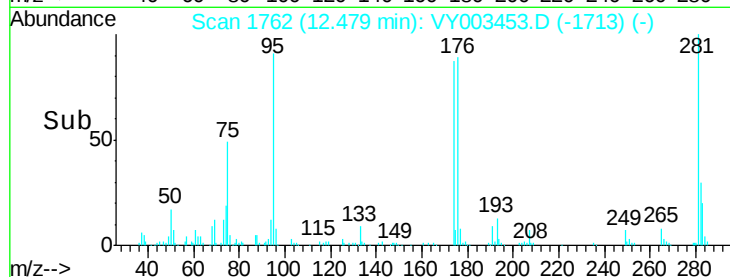
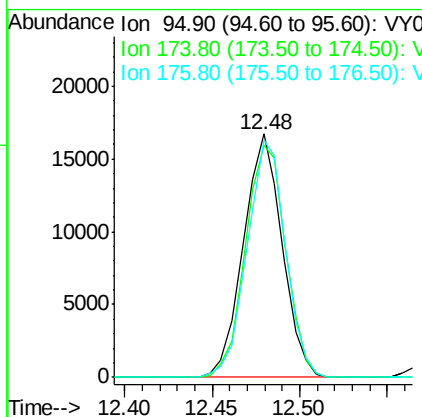
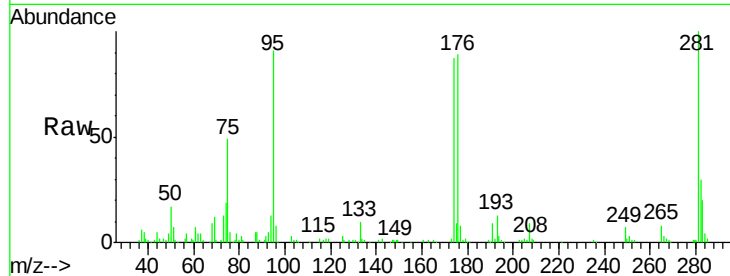
#62
4-Bromofluorobenzene
Concen: 4.962 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
95	100	25641		
174	99.4	0.0	197.0	
176	96.9	0.0	193.6	

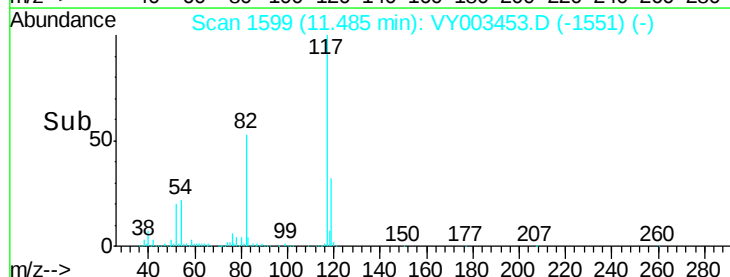
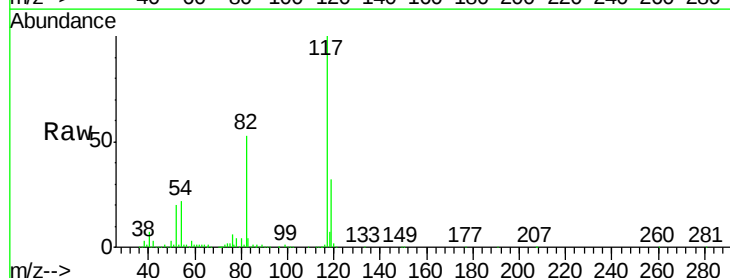
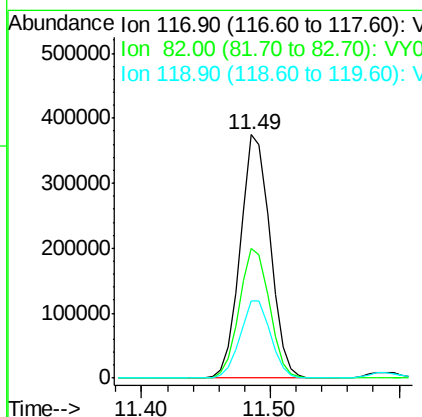
Manual Integrations
APPROVED

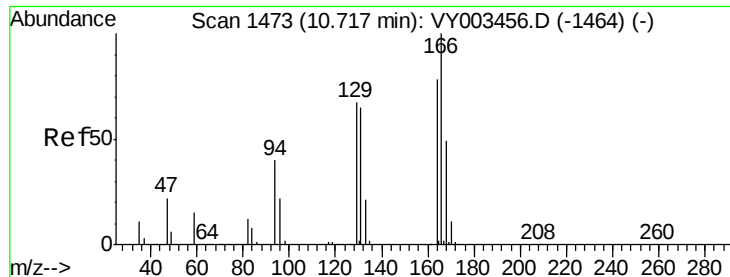
MMDadoda
10/6/2020 12:55:35 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	598752		
82	53.4	41.7	62.5	
119	31.6	25.3	37.9	





#64

Tetrachloroethene

Concen: 5.653 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 28466

Ion Ratio Lower Upper

164 100

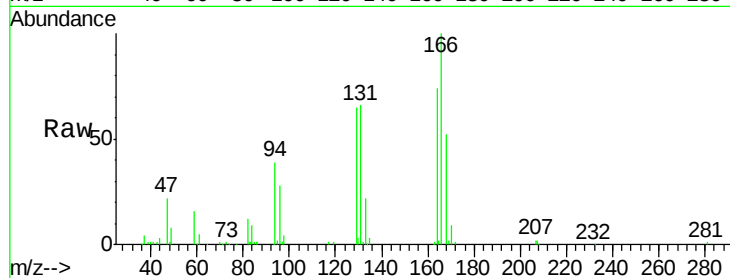
166 134.7 103.0 154.6

129 87.9 68.9 103.3

131 88.8 66.7 100.1

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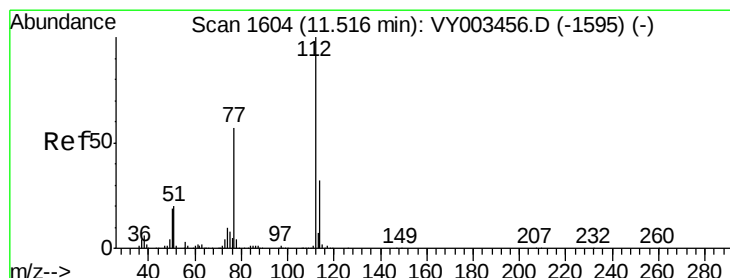
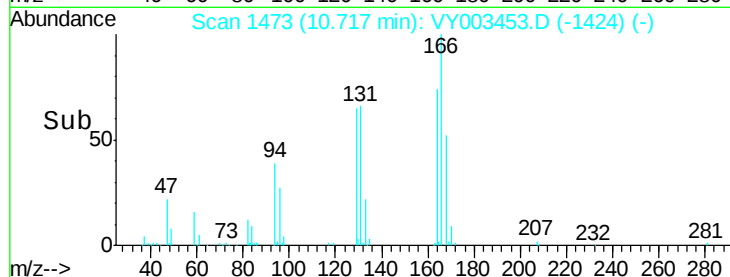
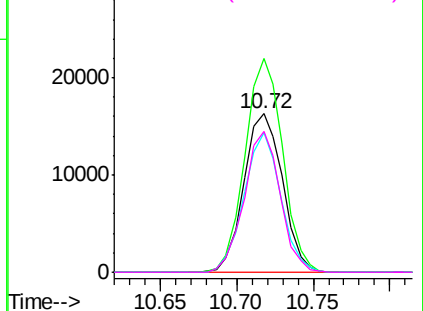


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 5.322 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003453.D

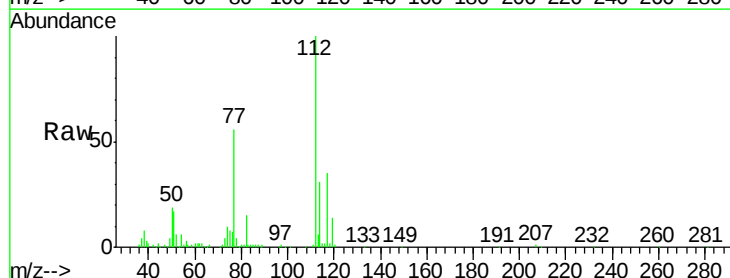
Acq: 05 Oct 2020 15:05

Tgt Ion:112 Resp: 62185

Ion Ratio Lower Upper

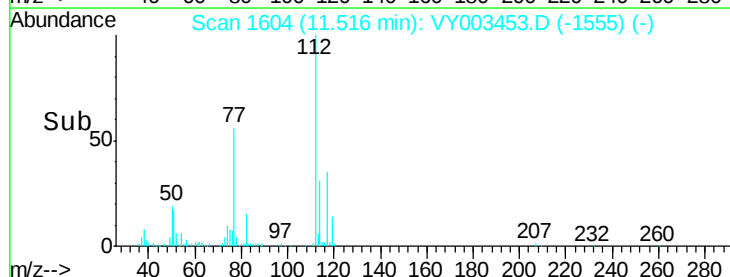
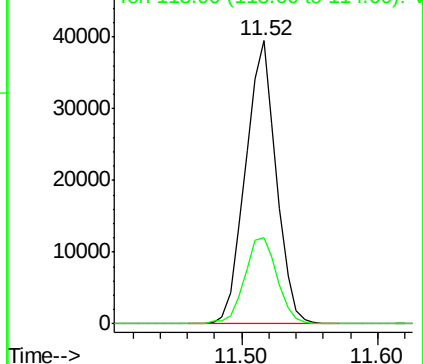
112 100

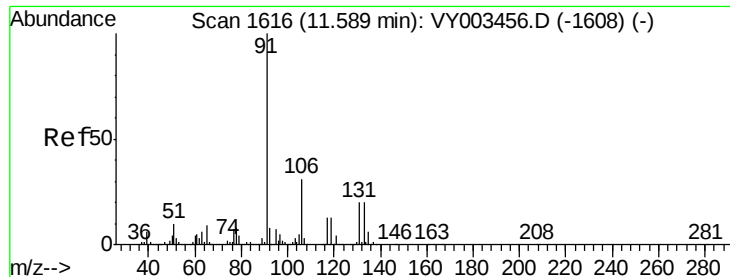
114 30.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 5.049 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

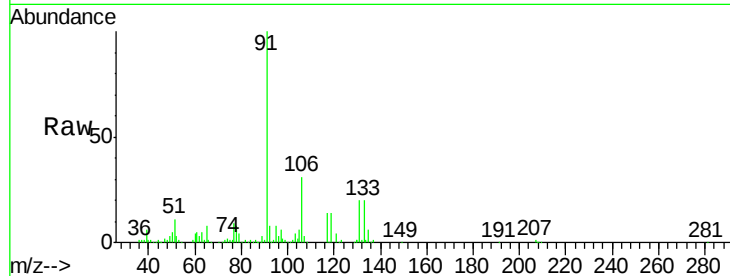
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	102.0	48.3	144.8
119	65.7	31.5	94.5

Manual Integrations
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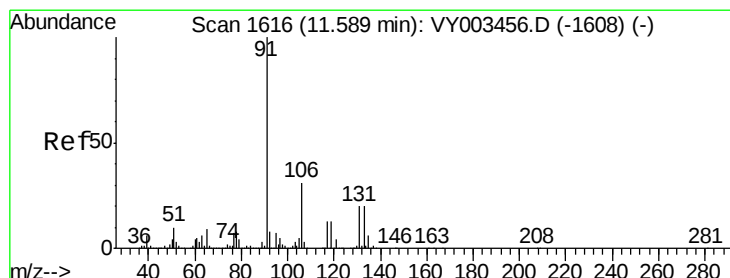
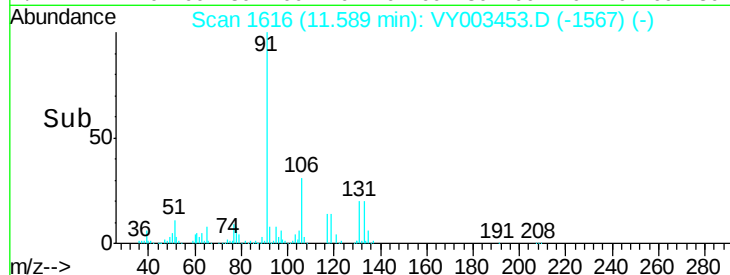
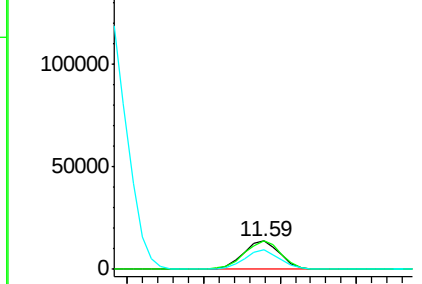
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 5.116 ug/l

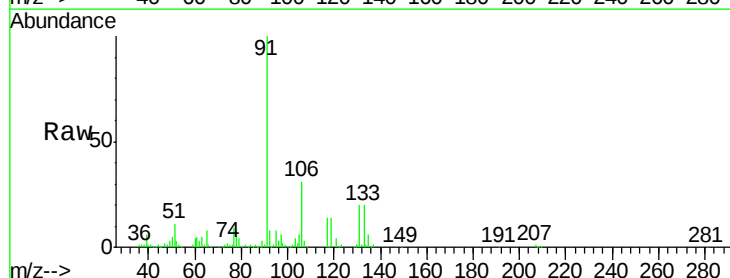
RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003453.D

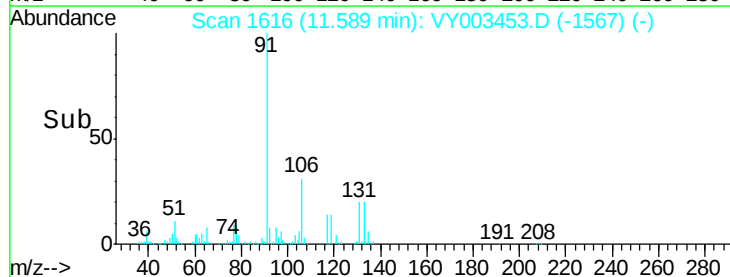
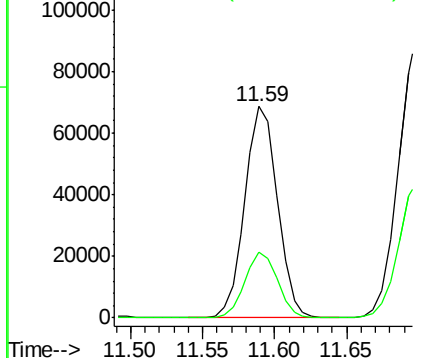
Acq: 05 Oct 2020 15:05

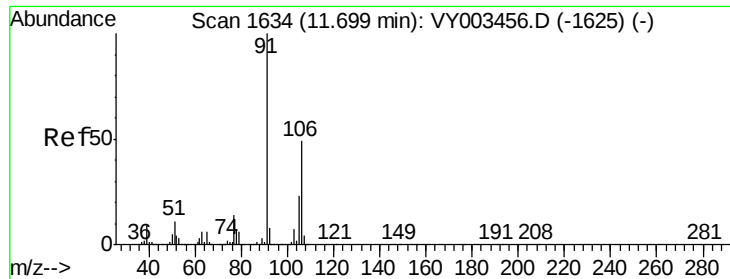
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.2	37.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 10.259 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 81639

Ion Ratio Lower Upper

106 100

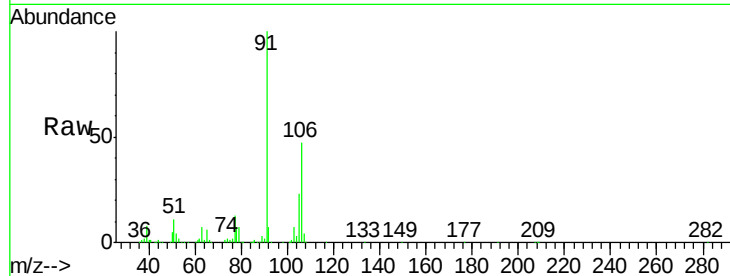
91 200.1 160.9 241.3

Manual Integrations

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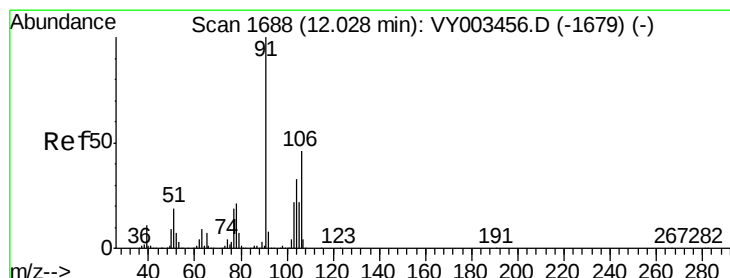
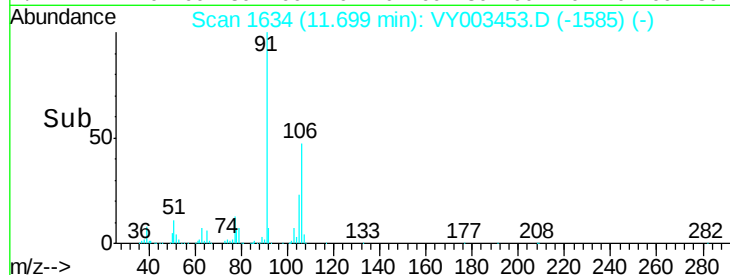
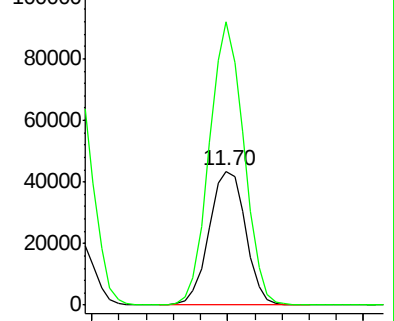
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 5.188 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003453.D

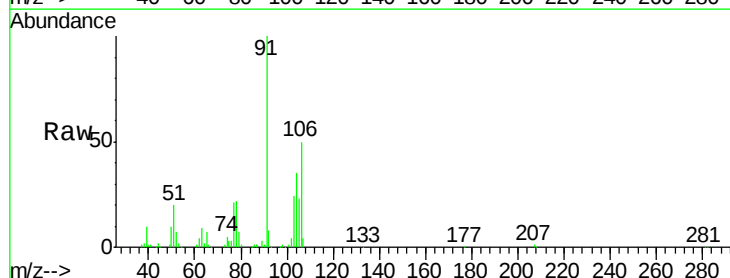
Acq: 05 Oct 2020 15:05

Tgt Ion:106 Resp: 38610

Ion Ratio Lower Upper

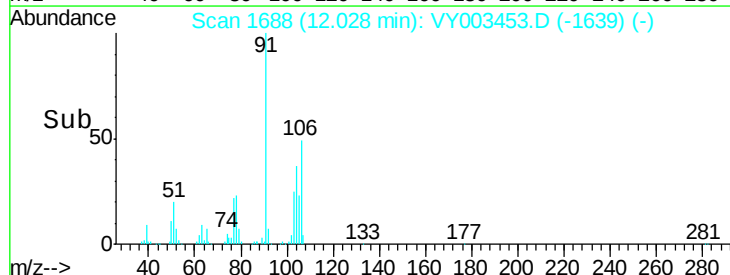
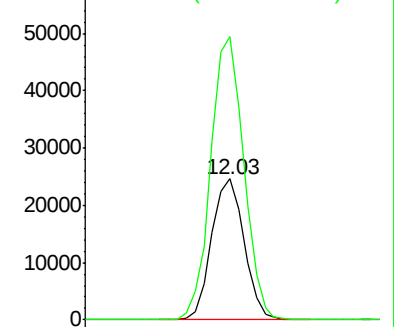
106 100

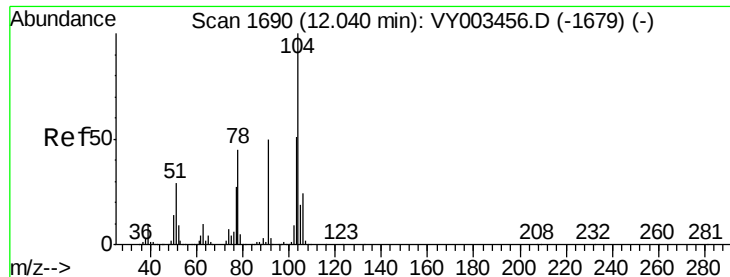
91 203.8 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





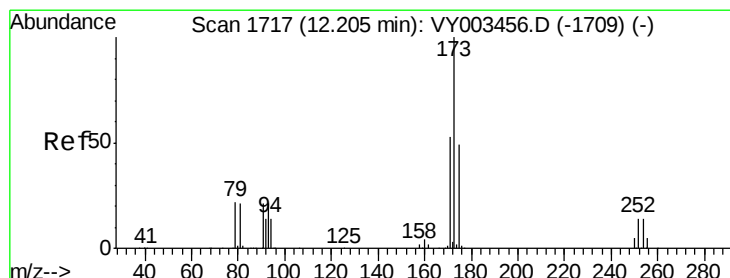
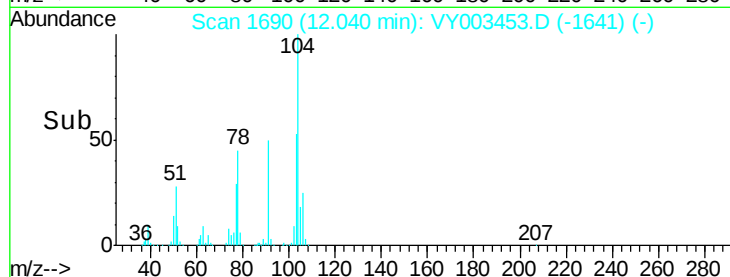
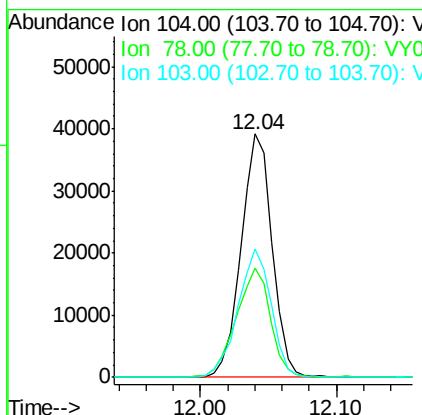
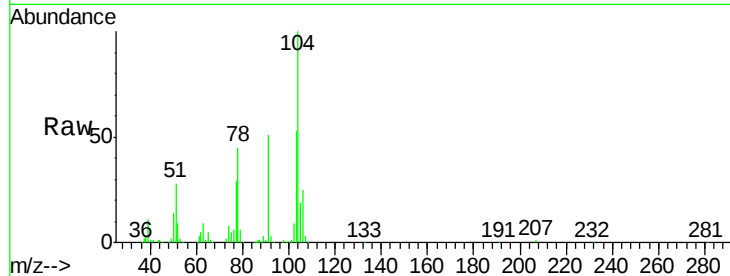
#70
Stvrene
Concen: 4.905 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.0	58.6
103	56.6	44.2	66.4

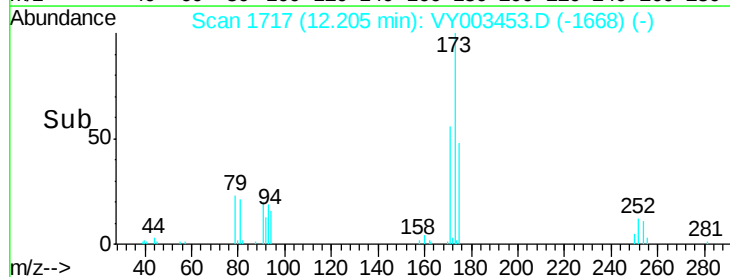
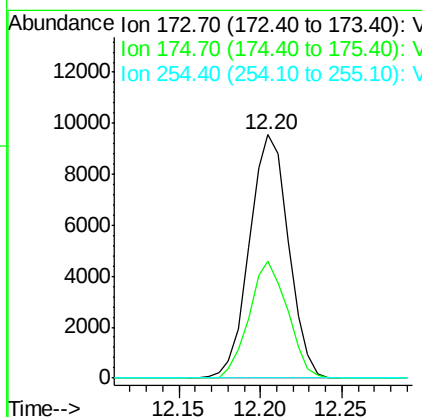
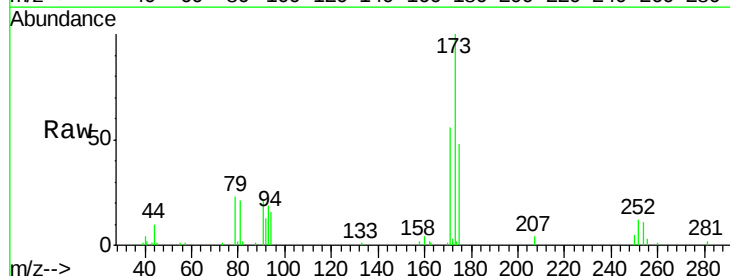
Manual Integrations
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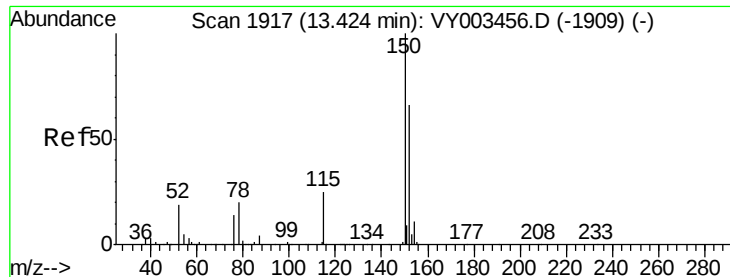
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#71
Bromoform
Concen: 5.373 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.9	74.7
254	0.0	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:152 Resp: 336563

Ion Ratio Lower Upper

152 100

115 53.5 27.0 80.8

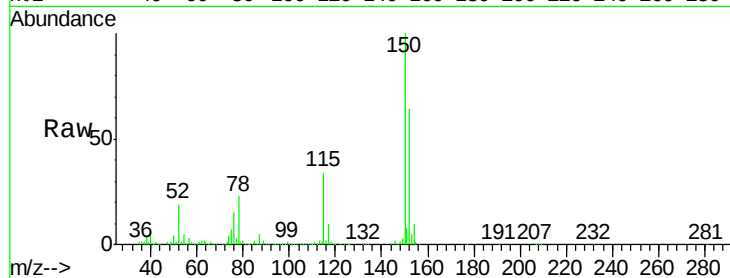
150 157.5 0.0 343.6

Manual Integrations

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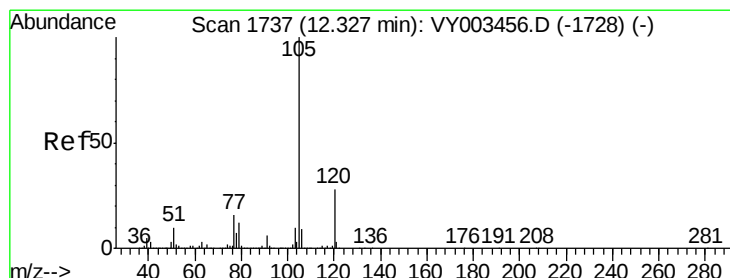
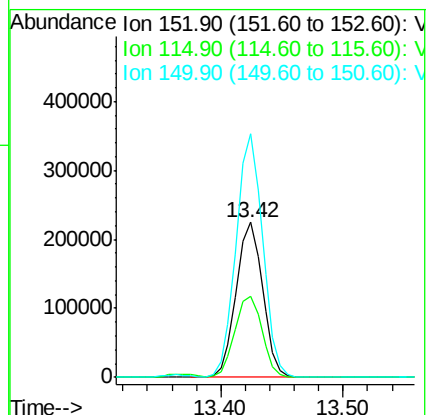
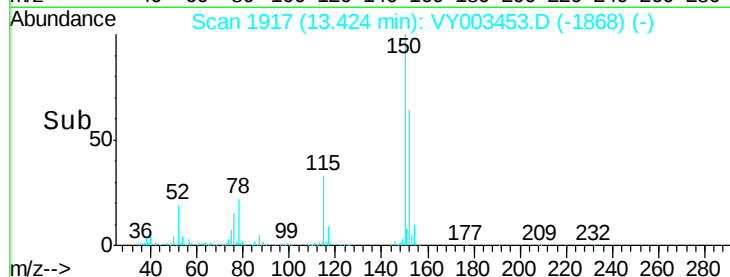
10/6/2020 12:55:35 PM



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: 4.738 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003453.D

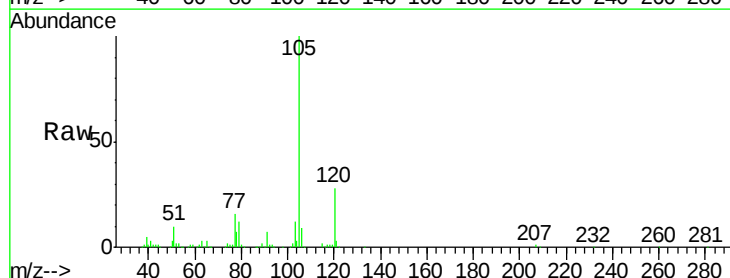
Acq: 05 Oct 2020 15:05

Tgt Ion:105 Resp: 101868

Ion Ratio Lower Upper

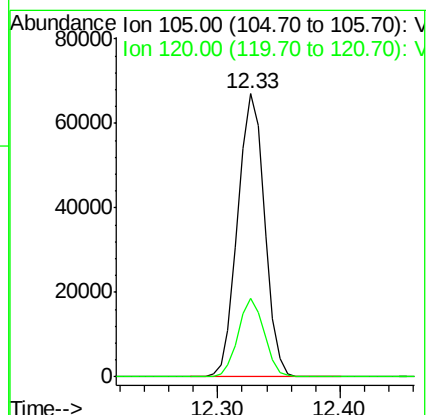
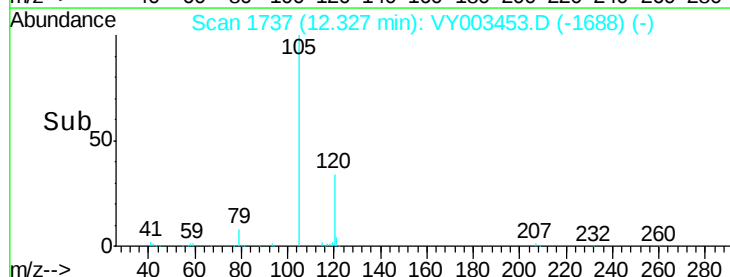
105 100

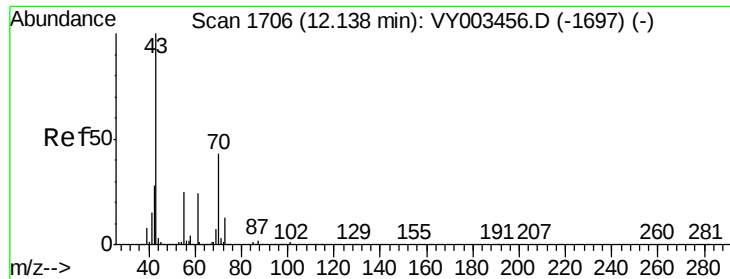
120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





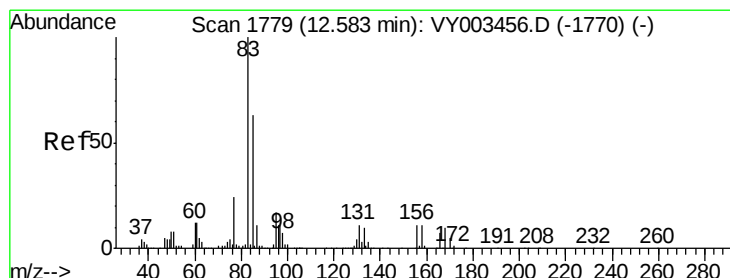
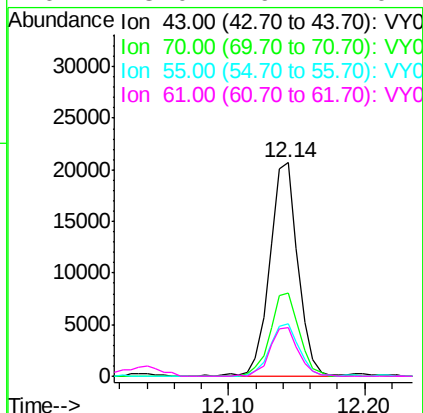
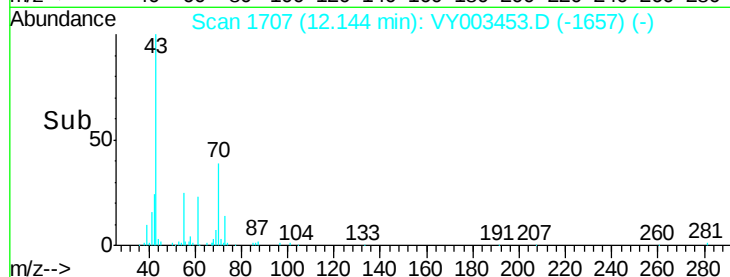
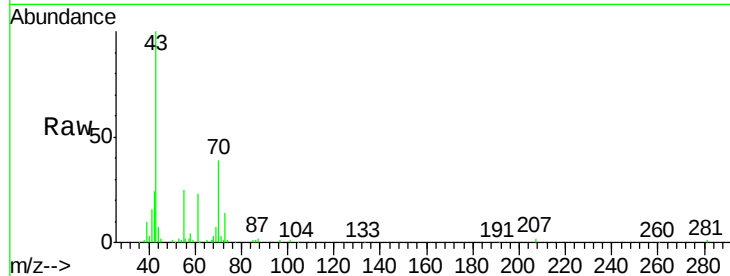
#74
N-amvl acetate
Concen: 4.756 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
70	40.3	34.0	51.0
55	25.8	19.5	29.3
61	23.0	19.4	29.2

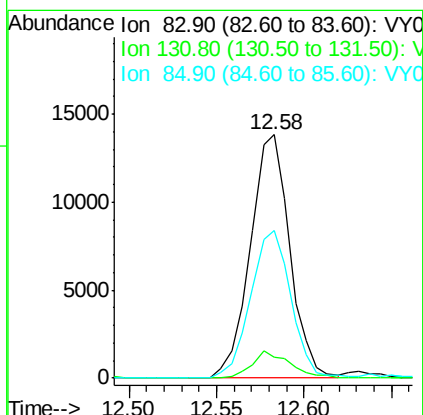
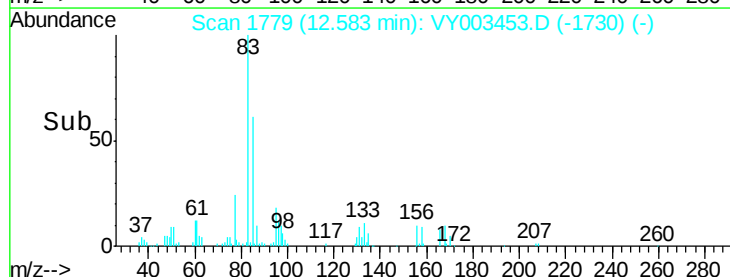
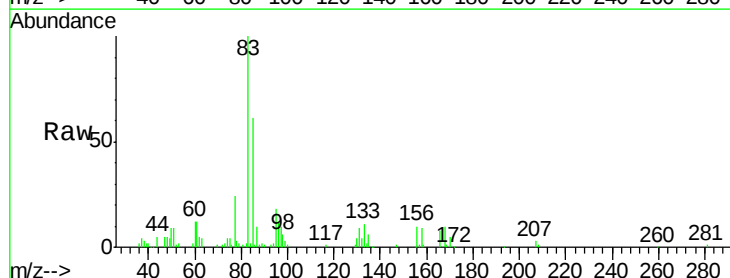
Manual Integrations
APPROVED

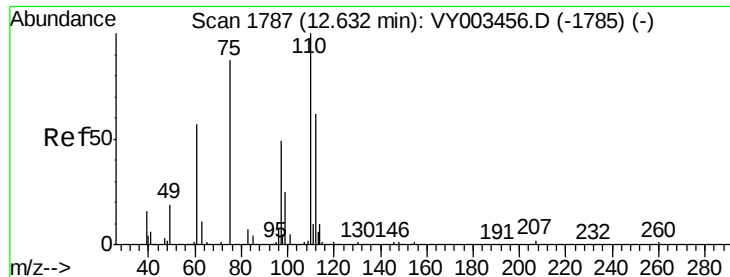
MMDadoda
10/6/2020 12:55:35 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 5.125 ug/l
RT: 12.58 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.6	16.8
85	62.2	32.0	96.0





#76

1,2,3-Trichloropropane

Concen: 5.263 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 15773

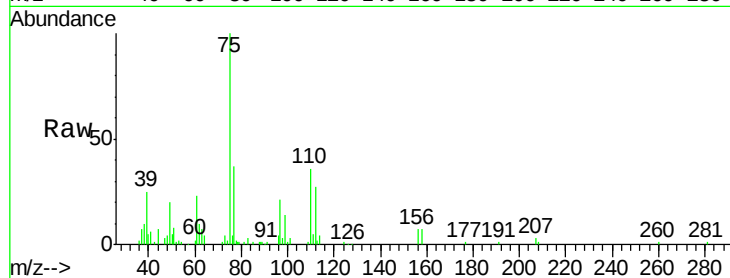
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

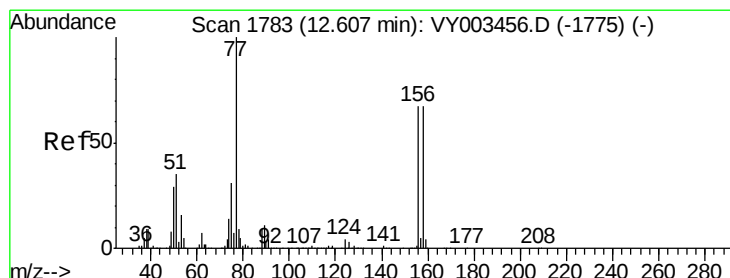
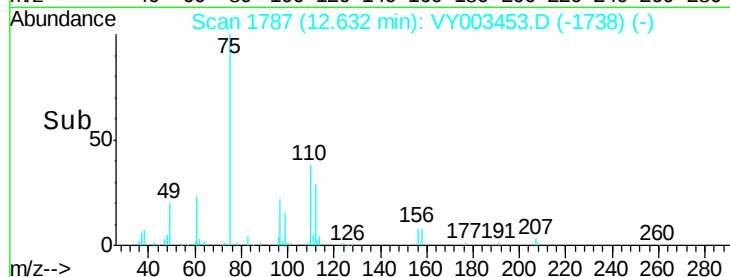
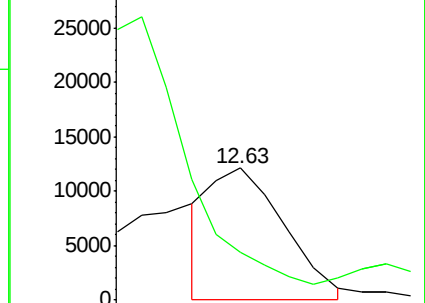
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 5.258 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

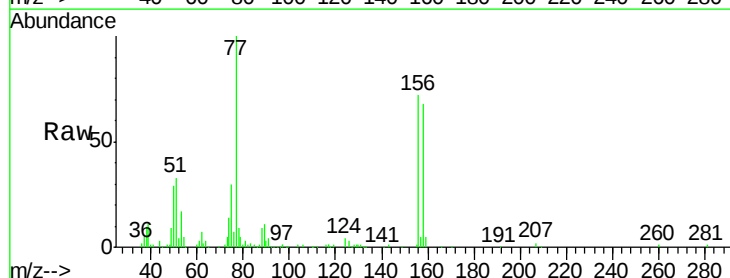
Tgt Ion: 156 Resp: 28858

Ion Ratio Lower Upper

156 100

77 163.1 84.5 253.4

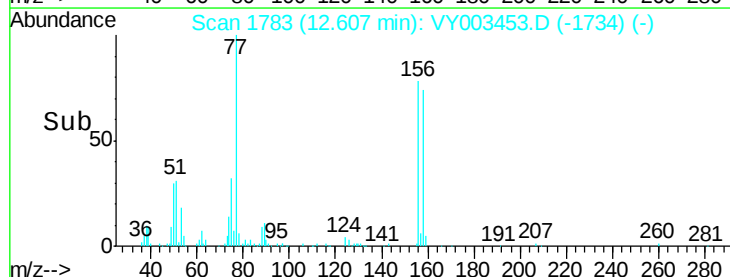
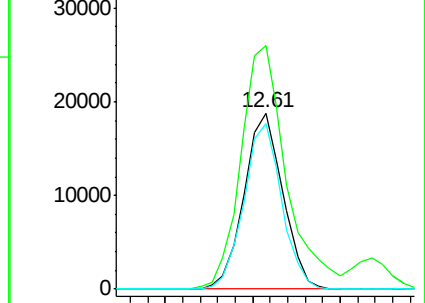
158 92.1 49.4 148.2

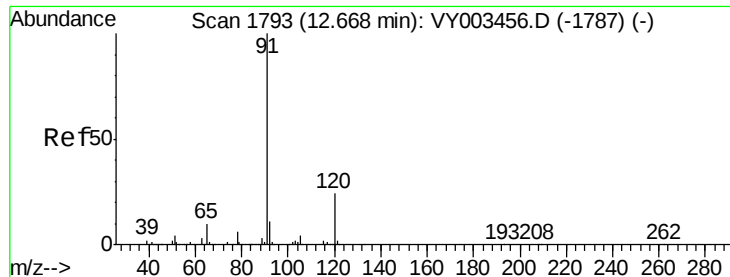


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 4.840 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003453.D

Acq: 05 Oct 2020 15:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 124219

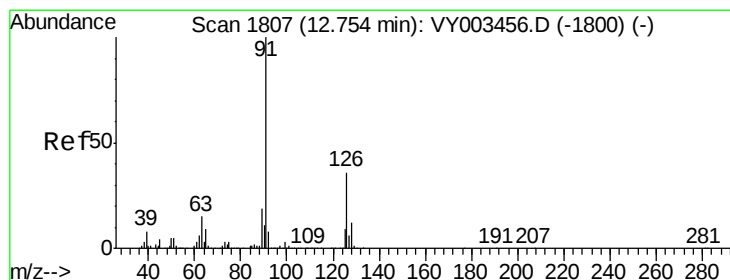
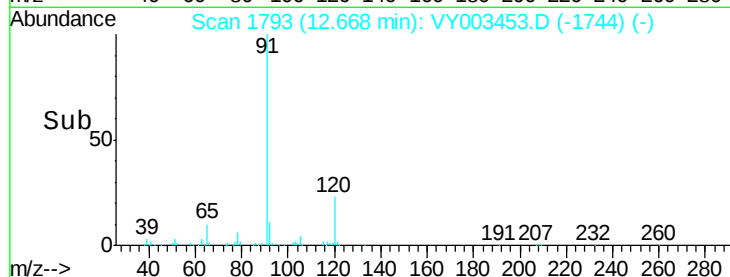
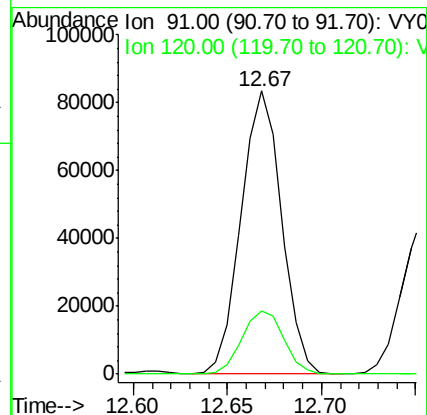
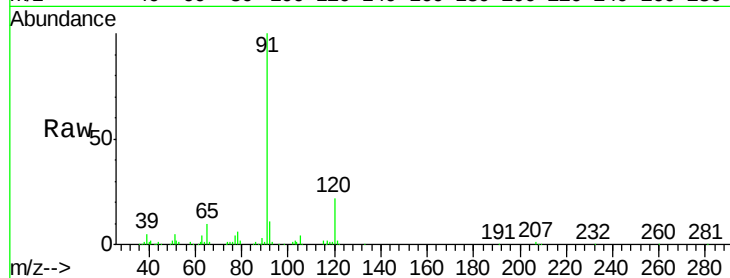
Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.9

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#79

2-Chlorotoluene

Concen: 4.874 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003453.D

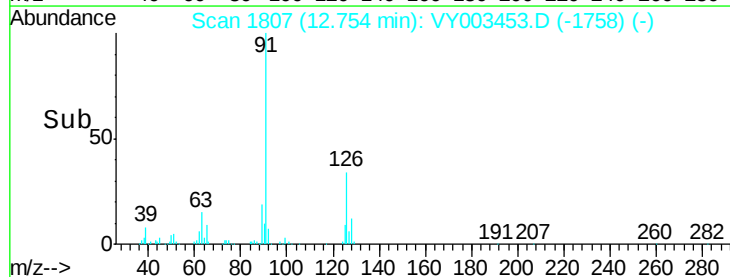
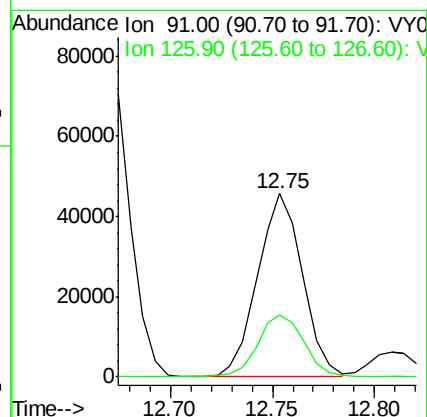
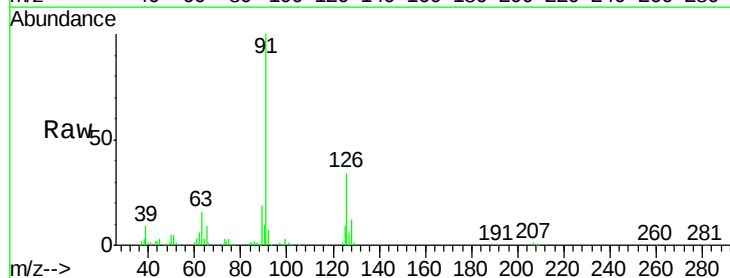
Acq: 05 Oct 2020 15:05

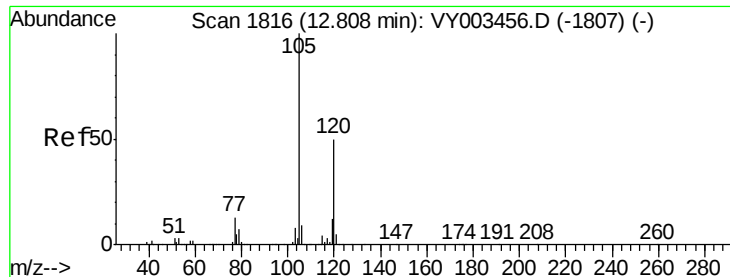
Tgt Ion: 91 Resp: 69652

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.3





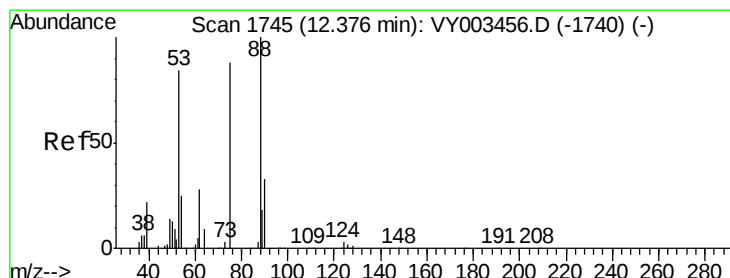
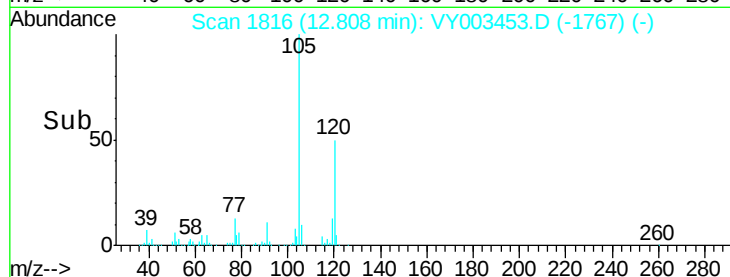
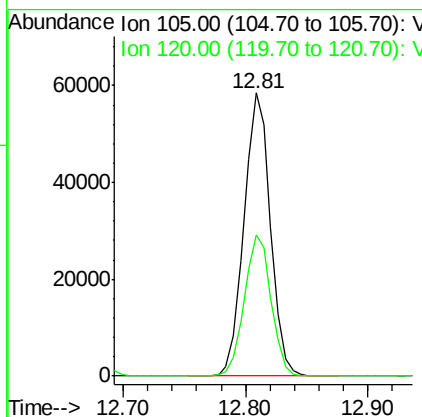
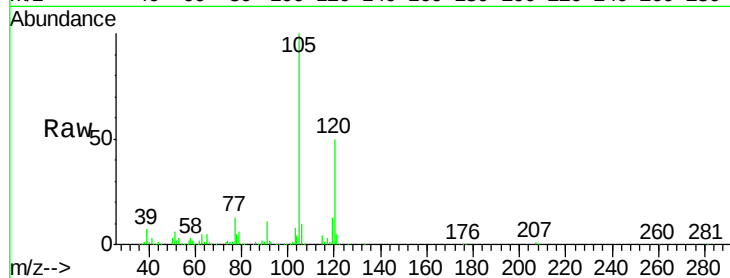
#80
 1,3,5-Trimethylbenzene
 Concen: 4.832 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0

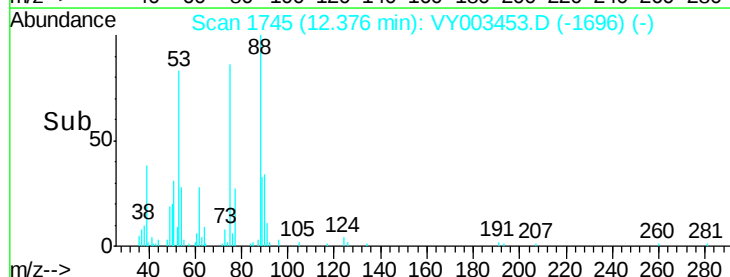
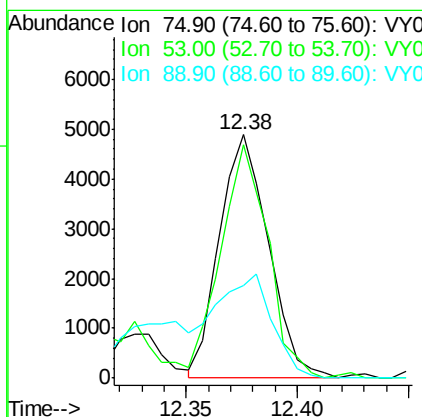
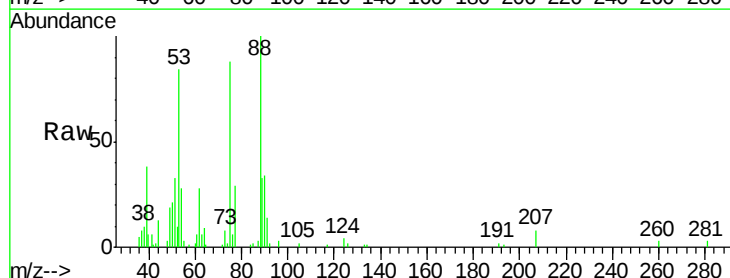
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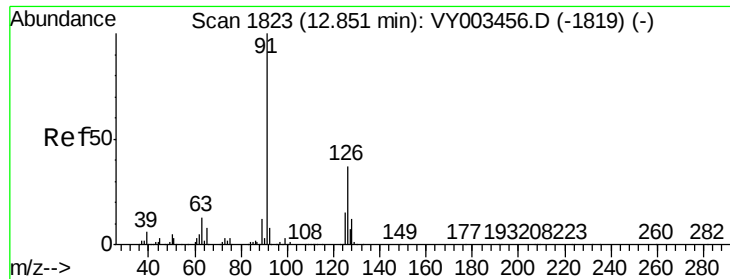
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.738 ug/l
 RT: 12.38 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.7	74.2	111.2
89	50.4	36.2	54.4





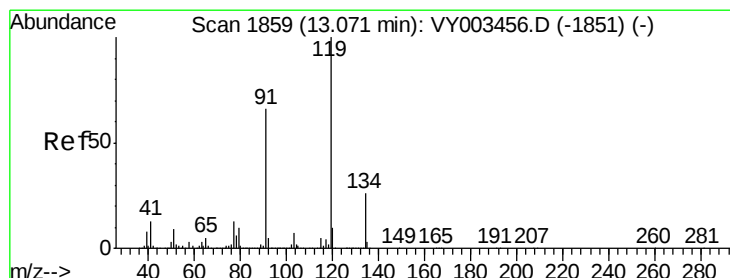
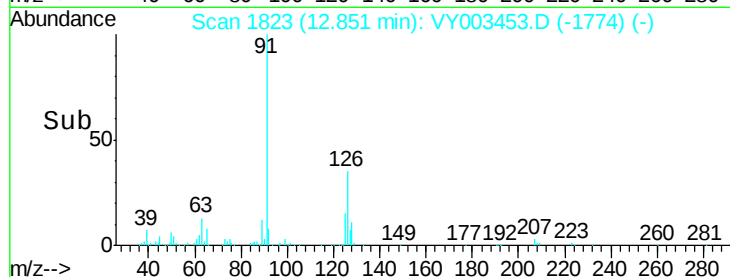
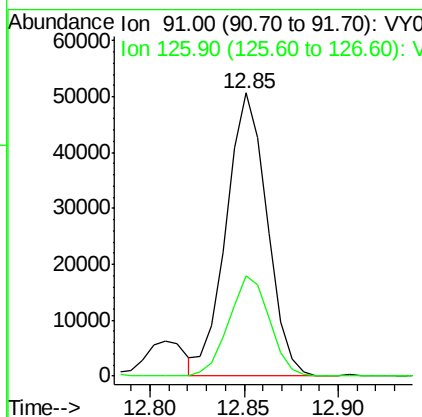
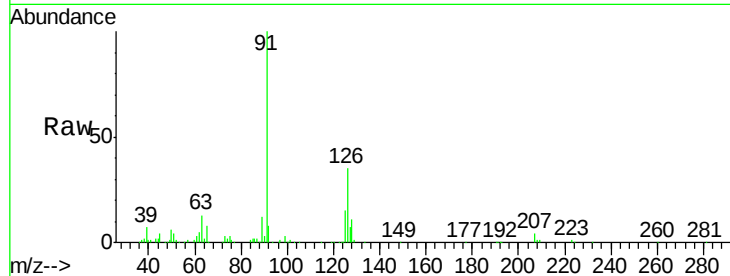
#82
4-Chlorotoluene
Concen: 5.085 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 75568
Ion Ratio Lower Upper
91 100
126 35.7 18.1 54.4

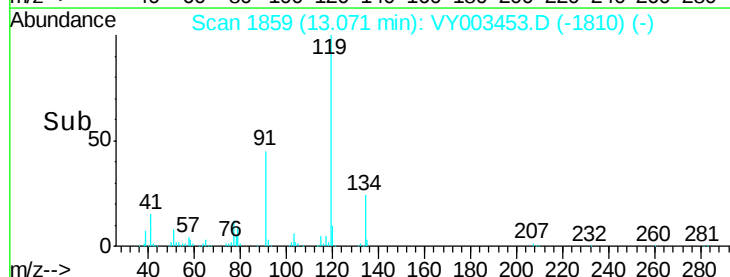
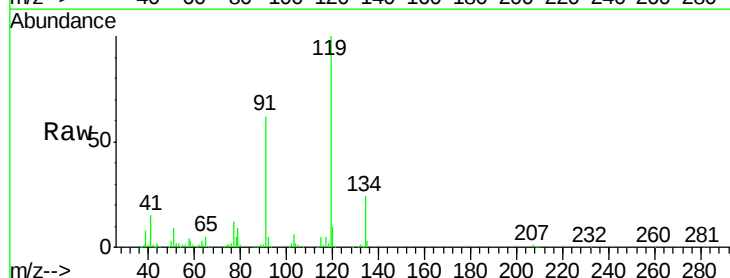
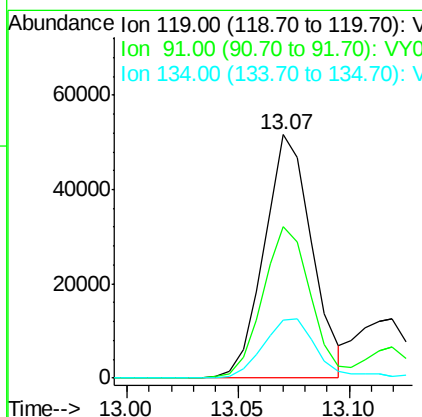
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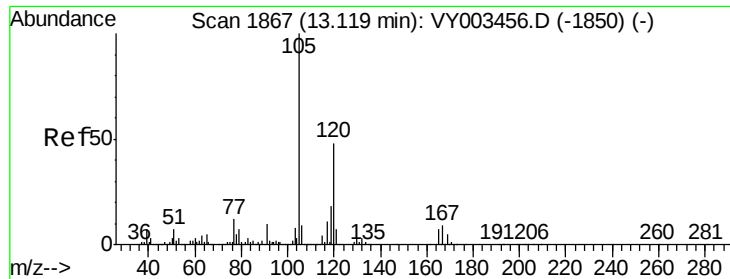
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#83
tert-Butylbenzene
Concen: 4.882 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion: 119 Resp: 76698
Ion Ratio Lower Upper
119 100
91 63.4 32.5 97.4
134 27.8 13.6 40.8





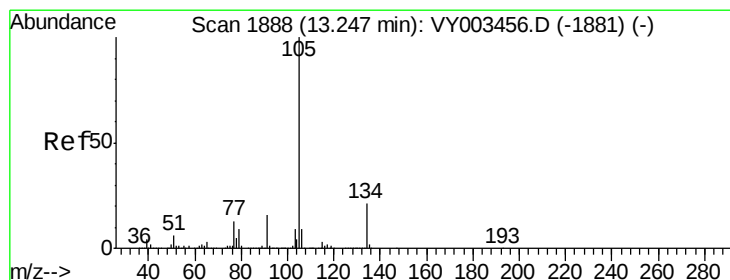
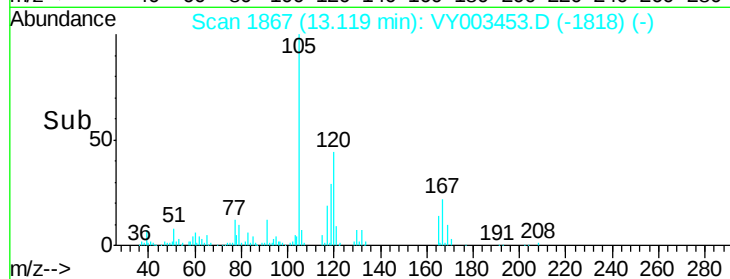
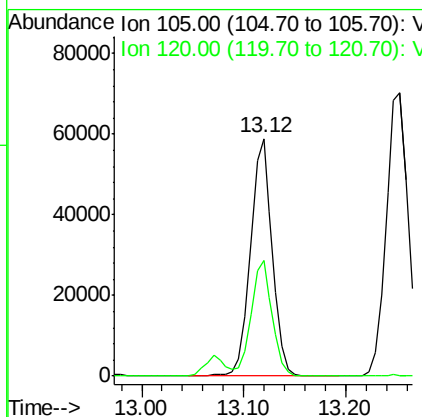
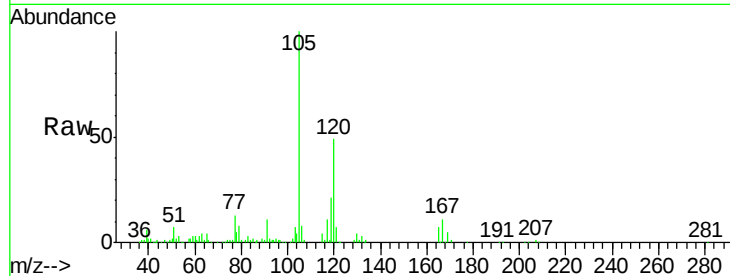
#84
 1,2,4-Trimethylbenzene
 Concen: 4.808 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 87502
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.5 70.5

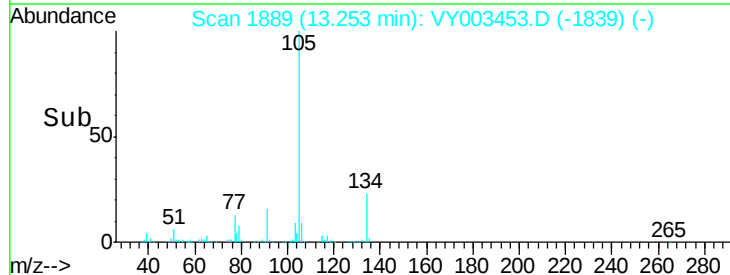
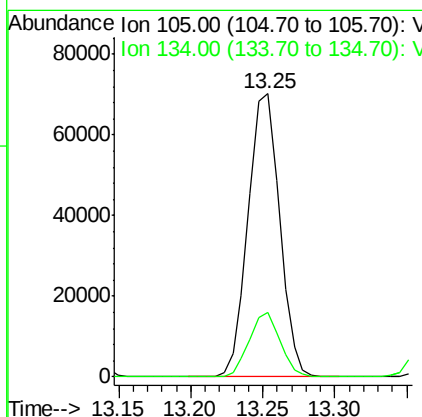
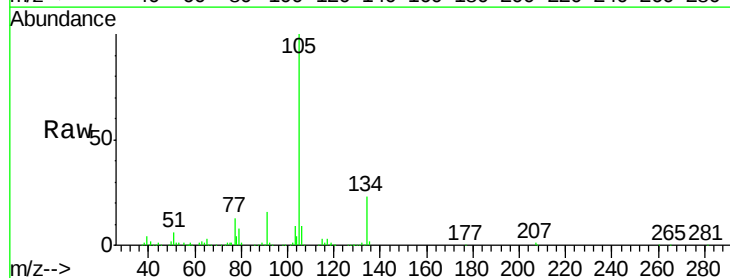
Manual Integrations
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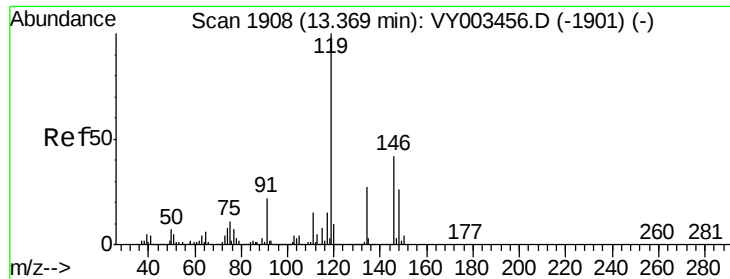
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 10/6/2020 12:55:35 PM



#85
 sec-Butylbenzene
 Concen: 4.882 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion:105 Resp: 106645
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.6 31.8





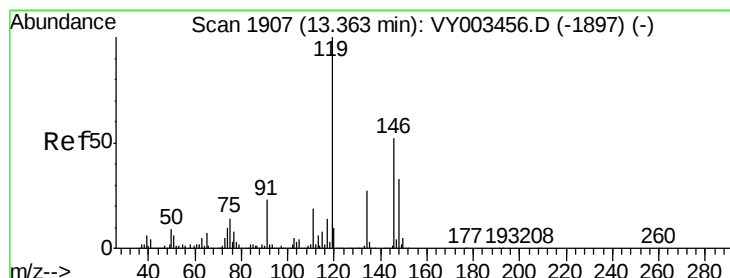
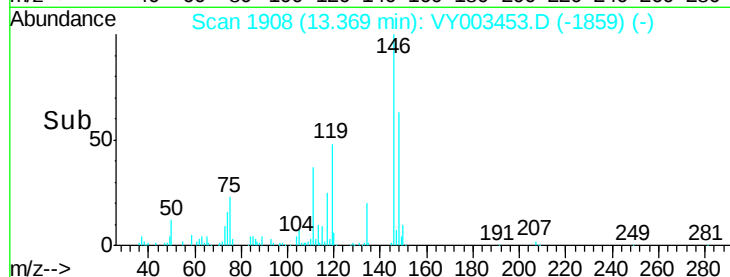
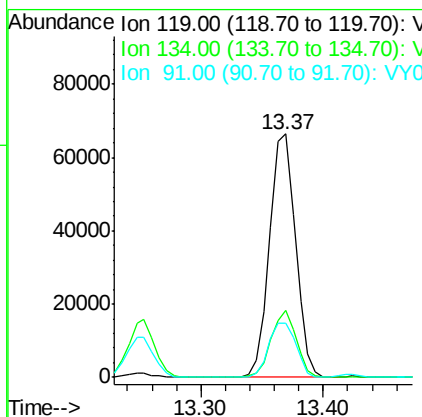
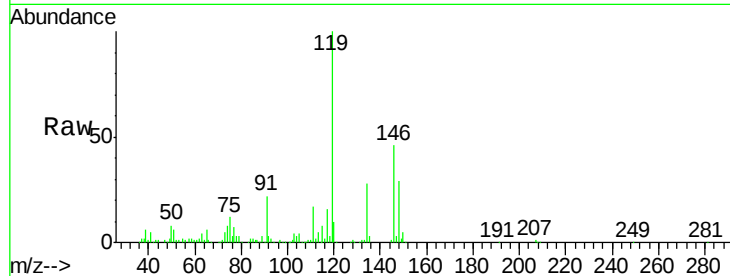
#86
 p-Isopropyltoluene
 Concen: 4.815 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	23.9	11.4	34.2

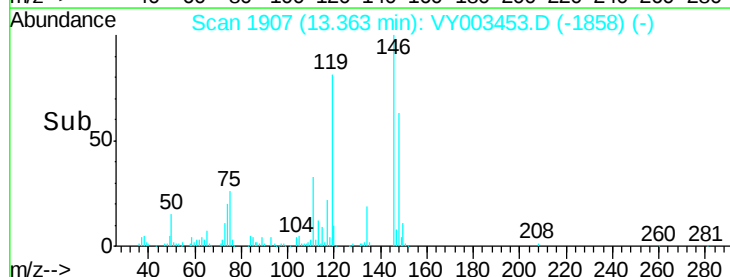
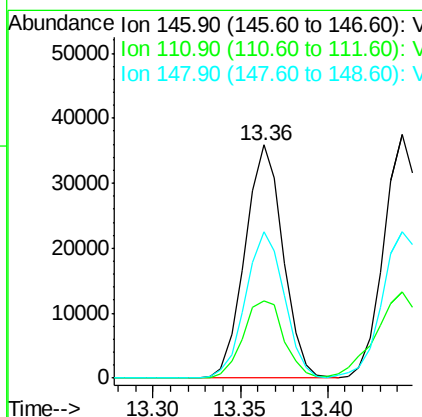
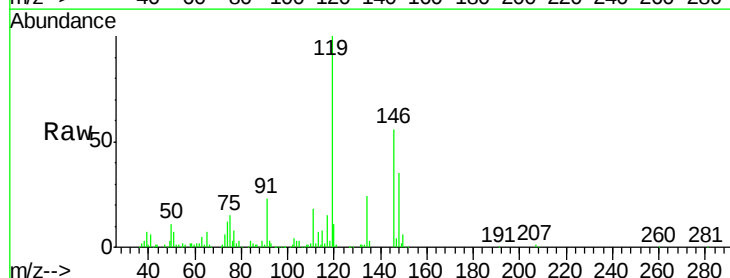
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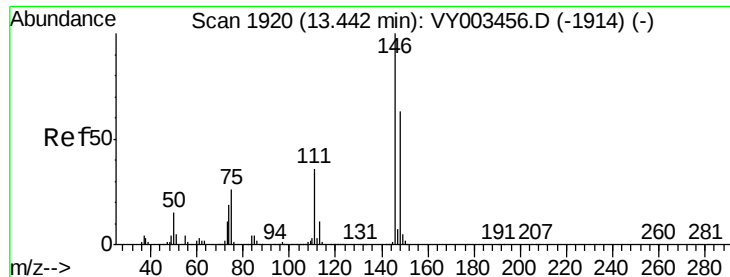
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#87
 1,3-Dichlorobenzene
 Concen: 5.155 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.0
148	63.8	31.9	95.5





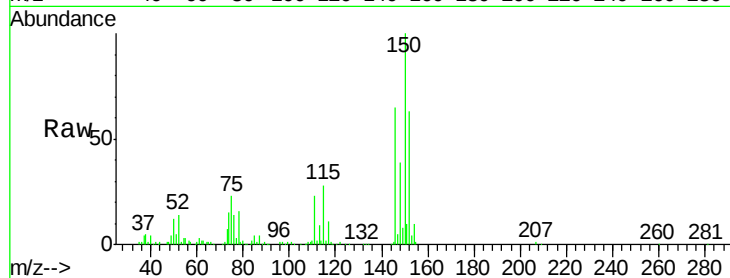
#88
 1,4-Dichlorobenzene
 Concen: 5.437 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.4	55.0
148	65.1	32.4	97.0

Manual Integrations
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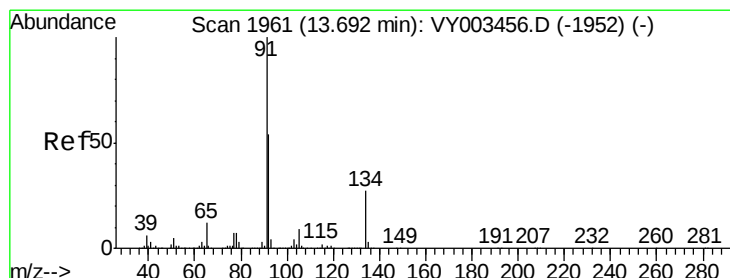
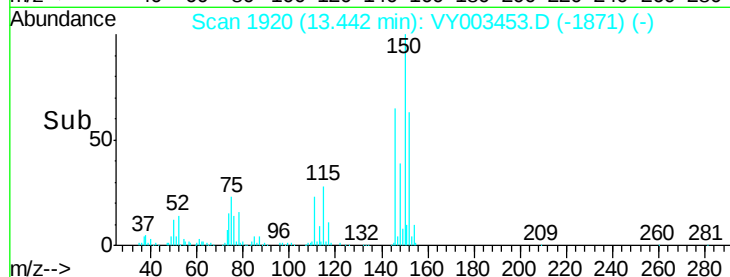
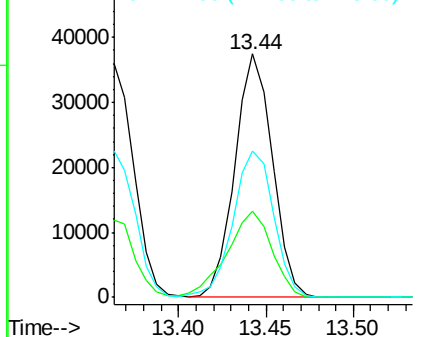


Abundance

Ion 145.90 (145.60 to 146.60): V

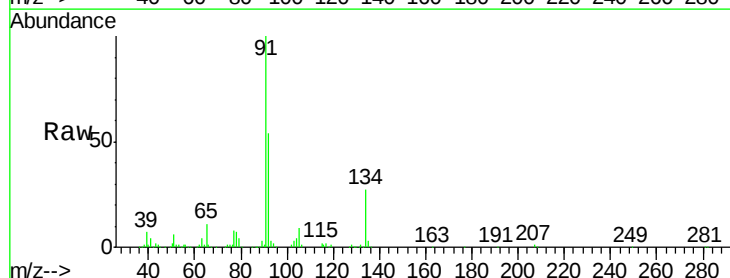
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89
 n-Butylbenzene
 Concen: 4.818 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.8
134	28.1	14.1	42.4

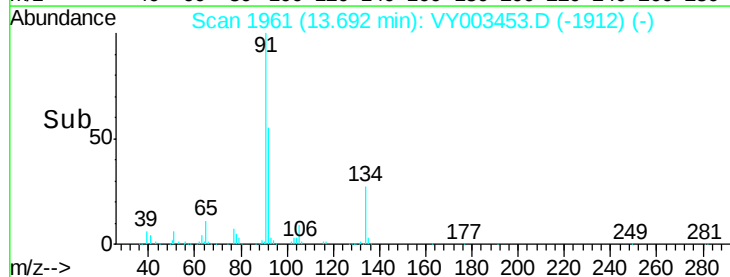
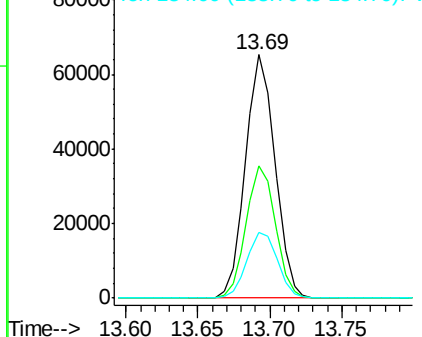


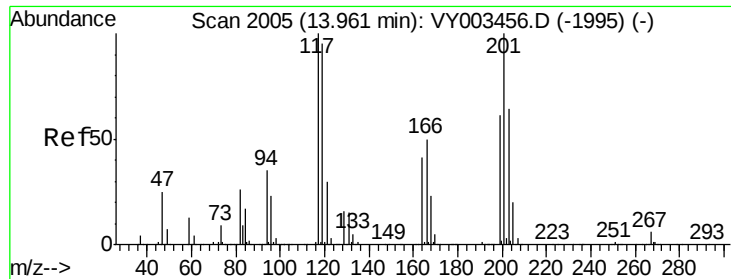
Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V





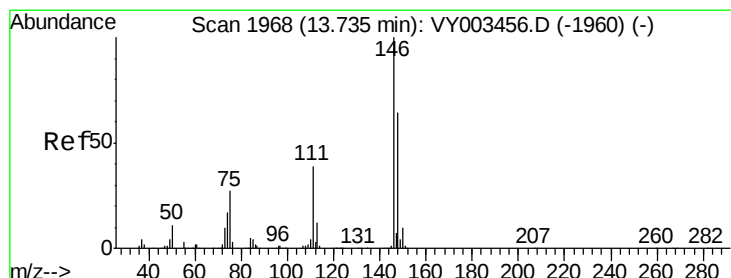
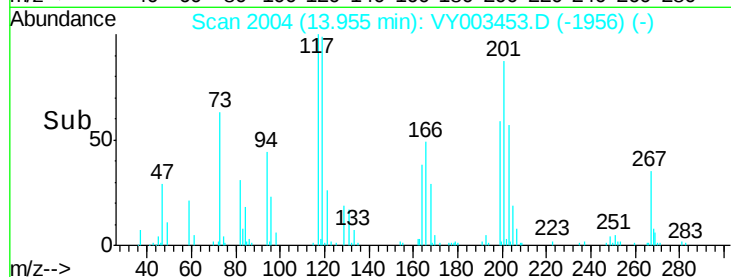
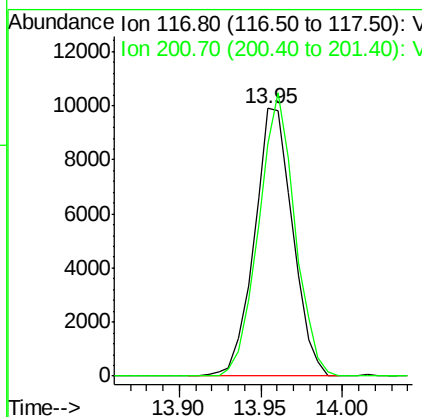
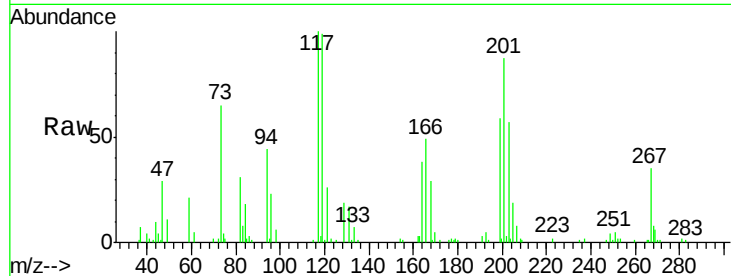
#90
Hexachloroethane
Concen: 4.230 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 16102
Ion Ratio Lower Upper
117 100
201 99.8 48.3 144.8

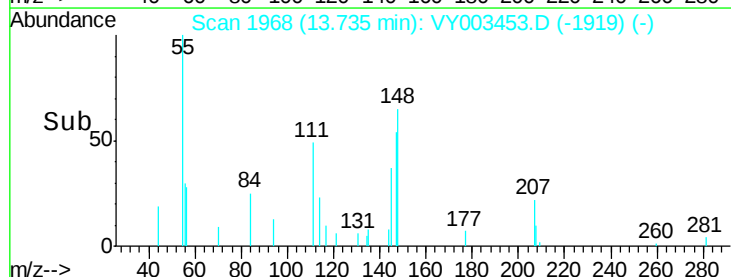
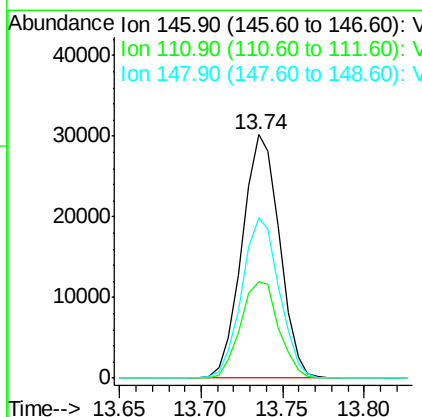
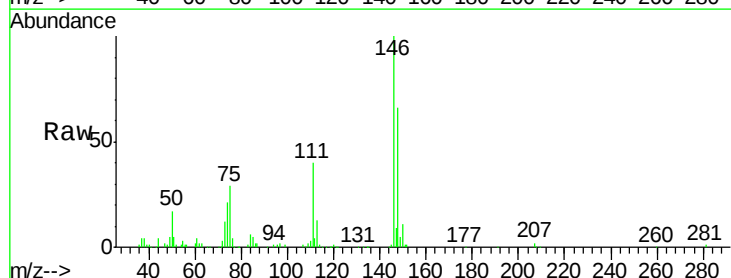
Manual Integrations
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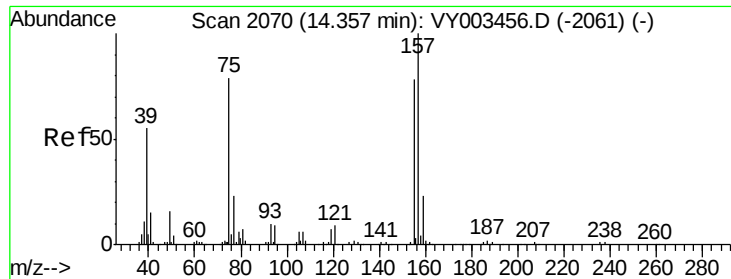
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#91
1,2-Dichlorobenzene
Concen: 5.195 ug/l
RT: 13.74 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion:146 Resp: 48268
Ion Ratio Lower Upper
146 100
111 40.4 19.1 57.5
148 66.1 32.1 96.3





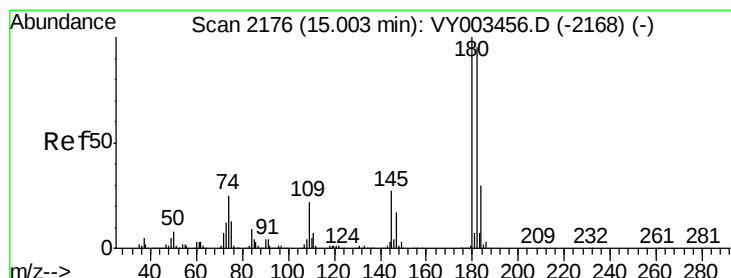
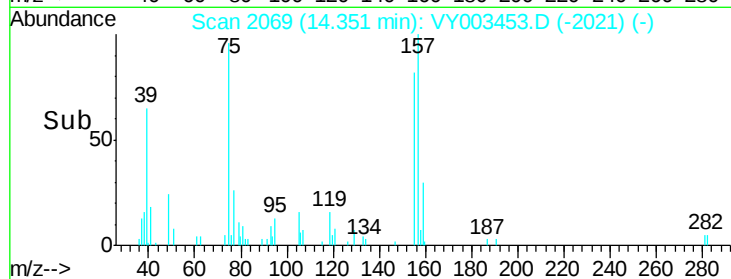
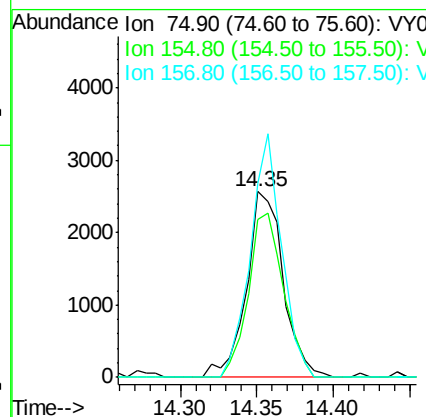
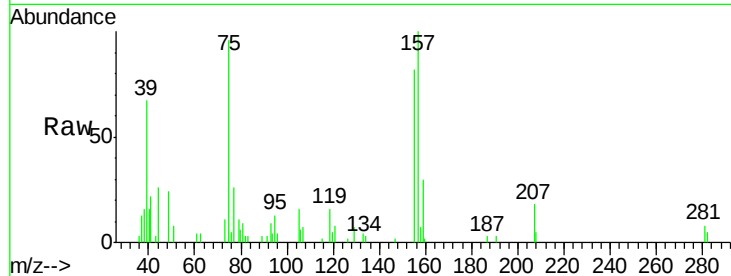
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.117 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
155	84.7	47.8	143.3
157	110.5	60.8	182.4

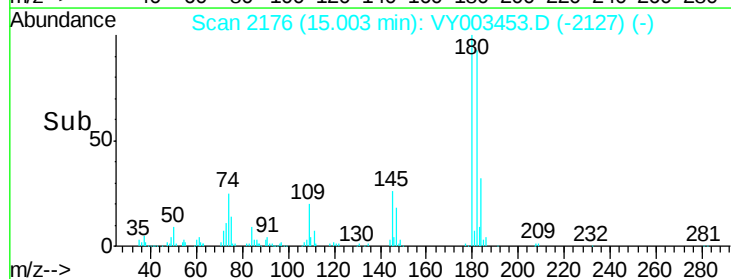
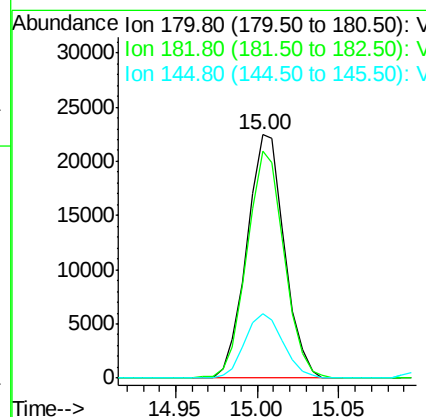
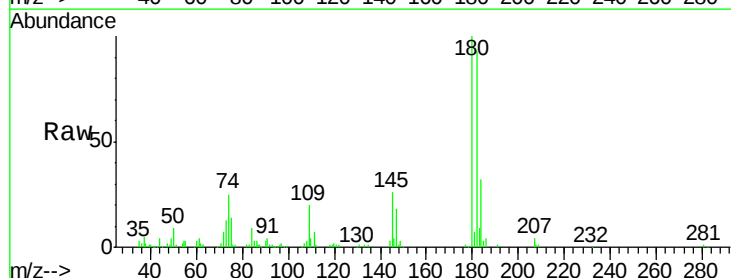
Manual Integrations
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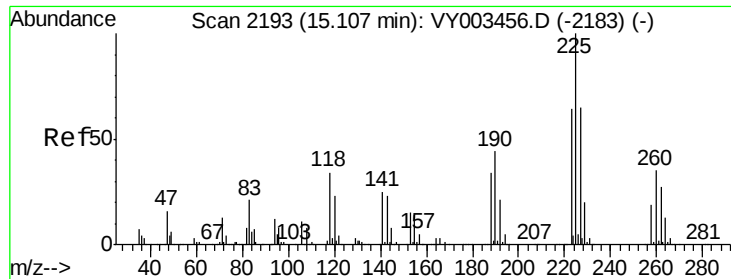
MMDadoda
 10/6/2020 12:55:35 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 5.414 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.0	144.0
145	27.3	13.5	40.5





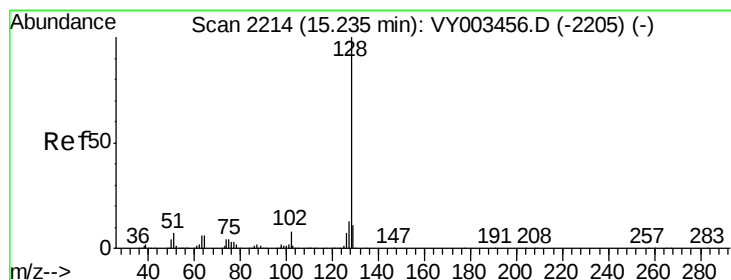
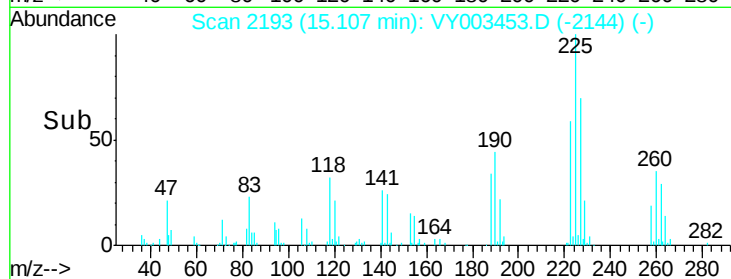
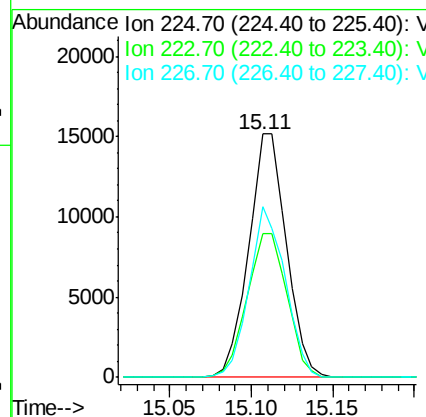
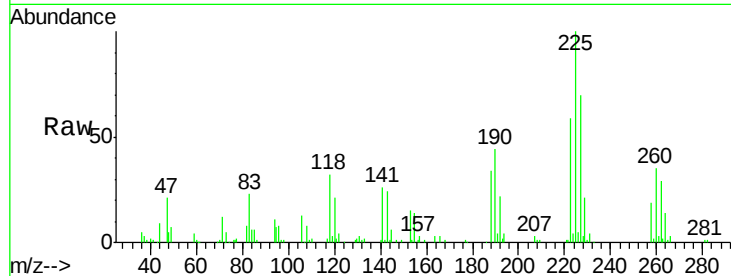
#94
Hexachlorobutadiene
Concen: 5.597 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	66.7	32.5	97.4

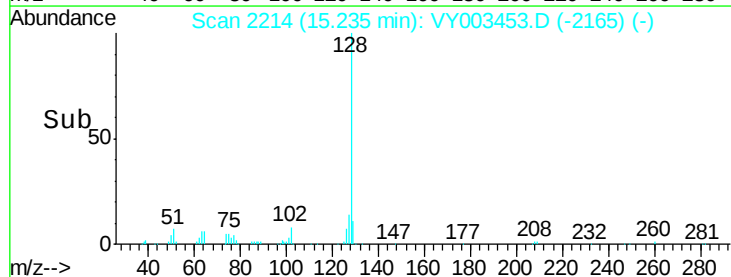
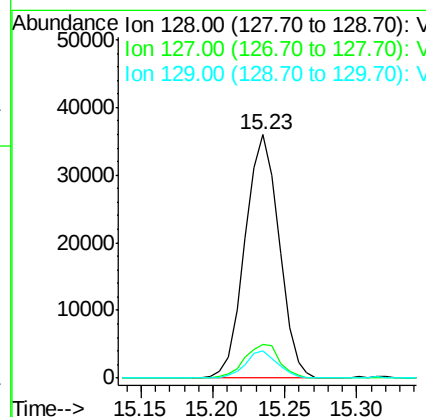
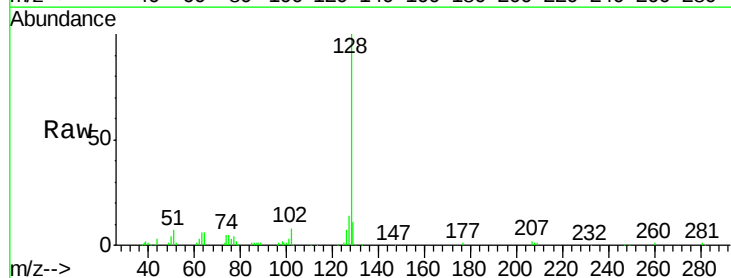
Manual Integrations
APPROVED

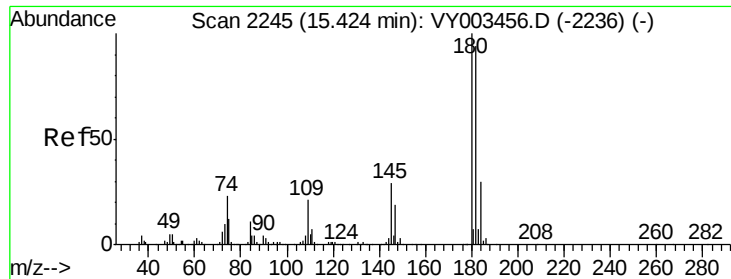
MMDadoda
10/6/2020 12:55:35 PM



#95
Naphthalene
Concen: 5.213 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003453.D
Acq: 05 Oct 2020 15:05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	10.5	8.6	13.0





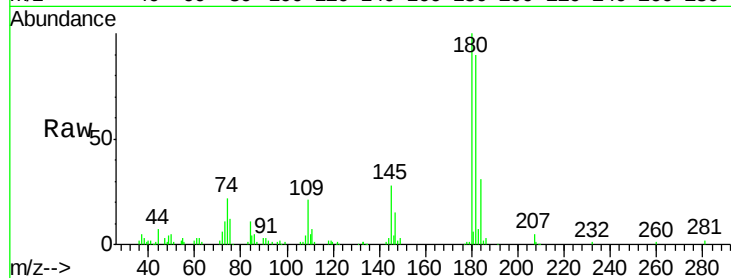
#96
 1,2,3-Trichlorobenzene
 Concen: 5.719 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003453.D
 Acq: 05 Oct 2020 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	28.4	14.4	43.4

Manual Integrations
 APPROVED

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

