

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002784.D
 Acq On : 28 May 2020 11:45
 Operator : SY/MD
 Sample : VY0528SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Manual Integrations
 APPROVED

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 5/29/2020 10:57:07 AM

Quant Time: May 28 16:57:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	442407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	224920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	126419	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.72	113	129458	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.18	98	515260	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.48	95	179199	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40853	19.810	ug/l	92
3) Chloromethane	2.12	50	47734	20.926	ug/l	99
4) Vinyl Chloride	2.26	62	50325	20.873	ug/l	100
5) Bromomethane	2.64	94	37617	20.820	ug/l	99
6) Chloroethane	2.79	64	32673	20.905	ug/l	99
7) Trichlorofluoromethane	3.13	101	87517	20.495	ug/l	97
8) Diethyl Ether	3.54	74	31598	18.951	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	53606	21.143	ug/l	99
10) Methyl Iodide	4.10	142	69117	19.483	ug/l	99
11) Tert butyl alcohol	4.97	59	29384	97.254	ug/l	98
12) 1,1-Dichloroethene	3.88	96	53317	20.911	ug/l	95
13) Acrolein	3.74	56	31351	102.802	ug/l	100
14) Allyl chloride	4.49	41	76127	20.818	ug/l	99
15) Acrylonitrile	5.18	53	75578	100.476	ug/l	100
16) Acetone	3.96	43	57875	94.844	ug/l	99
17) Carbon Disulfide	4.20	76	159333	20.680	ug/l	99
18) Methyl Acetate	4.49	43	34031	21.677	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	142147	20.195	ug/l	99
20) Methylene Chloride	4.72	84	61347	20.572	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	59263	20.668	ug/l	99
22) Diisopropyl ether	6.13	45	159953	21.049	ug/l	95
23) Vinyl Acetate	6.07	43	519644	103.574	ug/l	99
24) 1,1-Dichloroethane	6.02	63	93466	21.026	ug/l	99
25) 2-Butanone	6.99	43	93670	98.526	ug/l	96
26) 2,2-Dichloropropane	6.99	77	86539	20.298	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	65585	20.432	ug/l	99
28) Bromochloromethane	7.34	49	38066	20.860	ug/l	99
29) Tetrahydrofuran	7.35	42	62417	100.933	ug/l	100
30) Chloroform	7.52	83	98129	20.803	ug/l	98
31) Cyclohexane	7.79	56	91341	20.695	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	89283	20.312	ug/l	99
36) 1,1-Dichloropropene	7.92	75	76571	20.547	ug/l	100
37) Ethyl Acetate	7.08	43	41148	20.294	ug/l	99
38) Carbon Tetrachloride	7.91	117	84372	20.380	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	101165	20.595	ug/l	96
40) Benzene	8.16	78	227632	20.672	ug/l	98
41) Methacrylonitrile	7.33	41	20369m	18.699	ug/l	
42) 1,2-Dichloroethane	8.24	62	63592	20.606	ug/l	100
43) Isopropyl Acetate	8.28	43	77763	20.238	ug/l	99
44) Trichloroethene	8.94	130	72112	20.732	ug/l	99
45) 1,2-Dichloropropane	9.22	63	54360	20.585	ug/l	97
46) Dibromomethane	9.31	93	32643	20.814	ug/l	98
47) Bromodichloromethane	9.50	83	76126	20.590	ug/l	98
48) Methyl methacrylate	9.30	41	34763	20.041	ug/l	99
49) 1,4-Dioxane	9.30	88	9905	411.326	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	204761	100.638	ug/l	100
52) Toluene	10.24	92	148598	20.628	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	83146	20.590	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	94060	20.556	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	48911	20.371	ug/l	91
56) Ethyl methacrylate	10.51	69	64821	20.156	ug/l	99
57) 1,3-Dichloropropane	10.79	76	80702	20.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	158591	100.924	ug/l	100
59) 2-Hexanone	10.83	43	143573	99.454	ug/l	100
60) Dibromochloromethane	10.99	129	62111	20.404	ug/l	99
61) 1,2-Dibromoethane	11.09	107	48603	20.521	ug/l	99
64) Tetrachloroethene	10.72	164	77987	20.890	ug/l	98
65) Chlorobenzene	11.52	112	166187	20.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	63030	20.614	ug/l	100
67) Ethyl Benzene	11.59	91	291220	20.691	ug/l	97
68) m/p-Xylenes	11.70	106	225696	41.360	ug/l	100
69) o-Xylene	12.03	106	107199	20.809	ug/l	99
70) Styrene	12.04	104	184208	20.627	ug/l	100
71) Bromoform	12.20	173	42232	20.642	ug/l #	100
73) Isopropylbenzene	12.33	105	292430	20.288	ug/l	99
74) N-amyl acetate	12.14	43	73182	19.788	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	50889	20.122	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	40866m	20.164	ug/l	
77) Bromobenzene	12.61	156	75740	20.180	ug/l	98
78) n-propylbenzene	12.67	91	340168	20.431	ug/l	99
79) 2-Chlorotoluene	12.75	91	188750	20.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	247046	20.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21475	19.963	ug/l #	79
82) 4-Chlorotoluene	12.86	91	199547	20.393	ug/l	100
83) tert-Butylbenzene	13.08	119	217568	20.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	249923	20.653	ug/l	99
85) sec-Butylbenzene	13.25	105	297971	20.300	ug/l	100
86) p-Isopropyltoluene	13.37	119	281816	20.633	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	143578	20.196	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	143777	20.217	ug/l	99
89) n-Butylbenzene	13.70	91	257211	20.742	ug/l	99
90) Hexachloroethane	13.96	117	52758	20.633	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	131765	20.437	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10140	20.840	ug/l	92

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ClientSampleId :
VY0528SBSD01

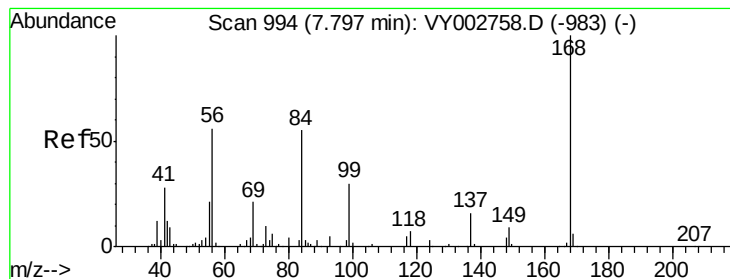
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	99937	20.564	ug/l	99
94) Hexachlorobutadiene	15.11	225	56622	20.543	ug/l	99
95) Naphthalene	15.23	128	192676	19.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	88219	20.329	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion:168 Resp: 299712

Ion Ratio Lower Upper

168 100

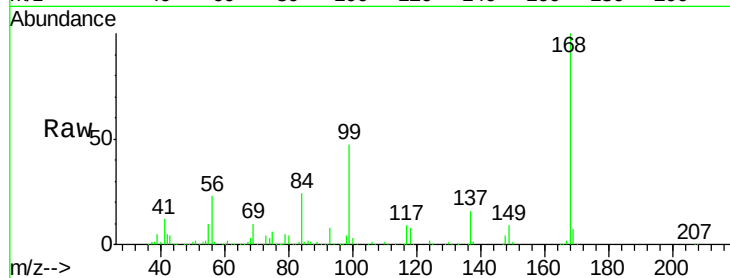
99 47.4 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

150000

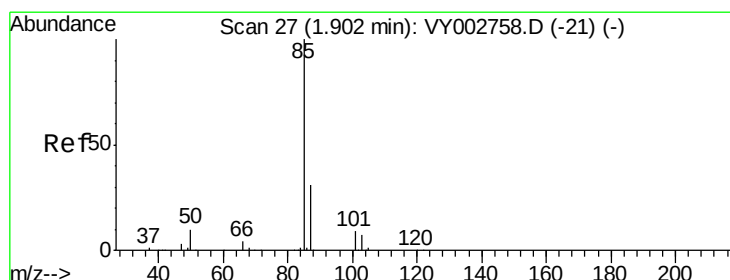
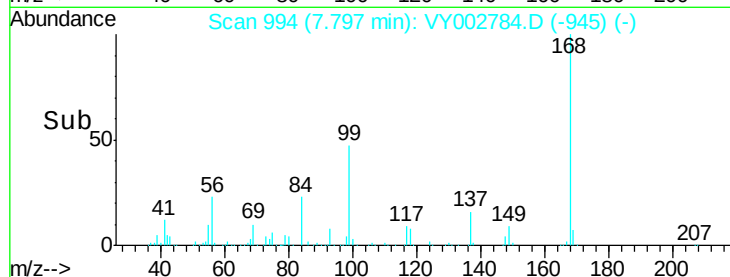
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.810 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002784.D

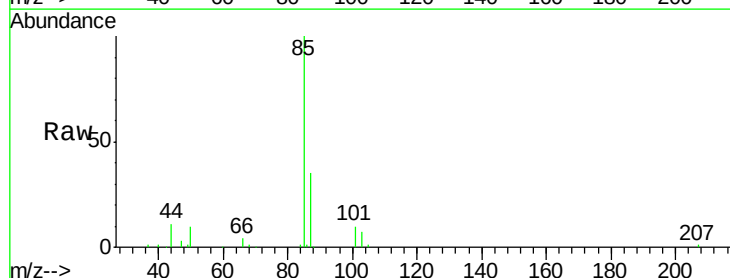
Acq: 28 May 2020 11:45

Tgt Ion: 85 Resp: 40853

Ion Ratio Lower Upper

85 100

87 35.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

30000

25000

20000

15000

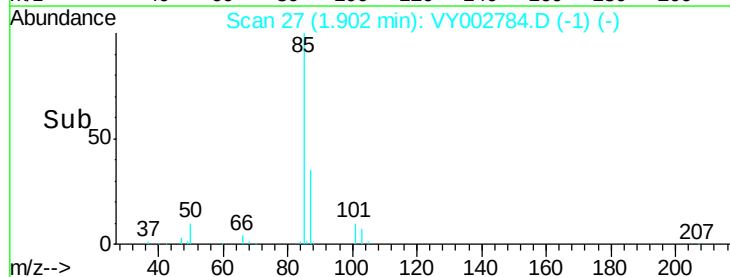
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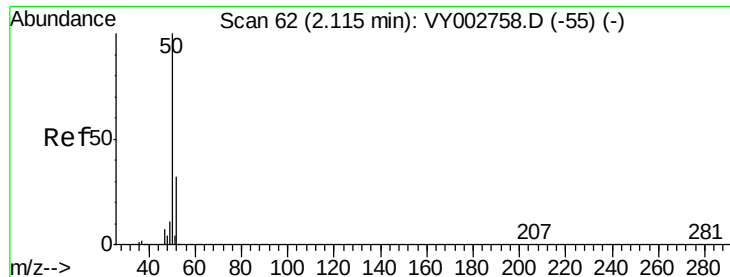
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 20.926 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 50 Resp: 47734

Ion Ratio Lower Upper

50 100

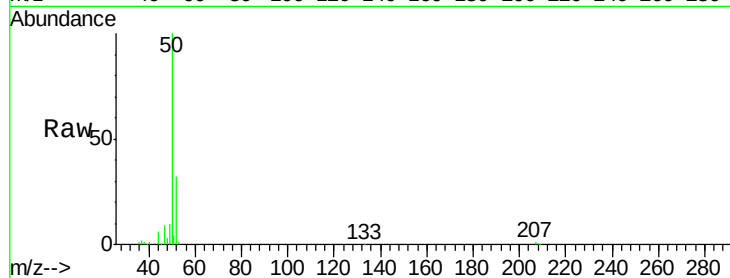
52 31.9 25.8 38.6

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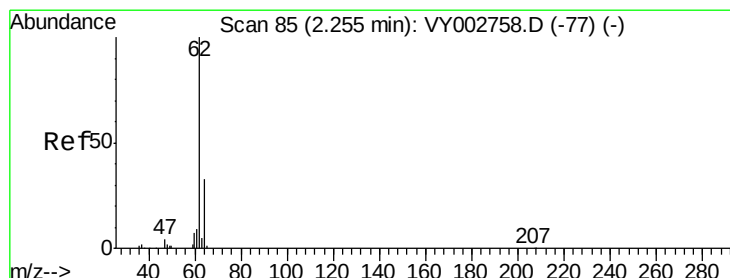
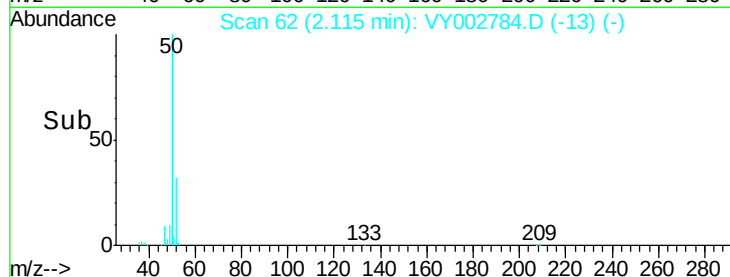
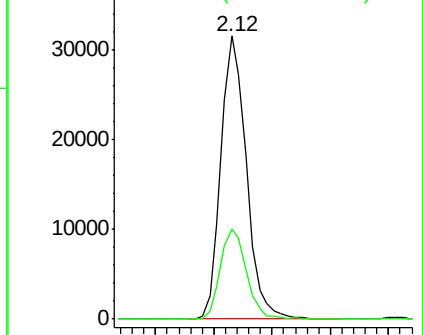
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.873 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002784.D

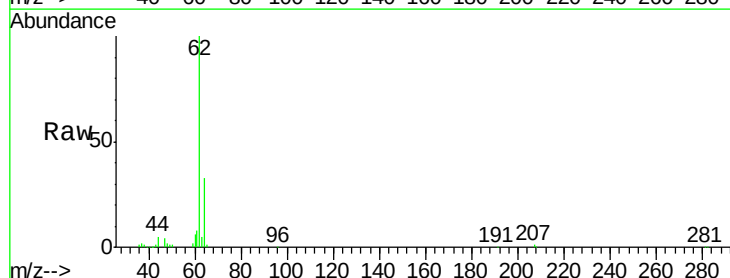
Acq: 28 May 2020 11:45

Tgt Ion: 62 Resp: 50325

Ion Ratio Lower Upper

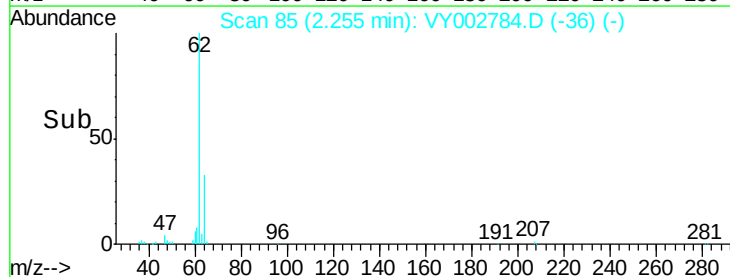
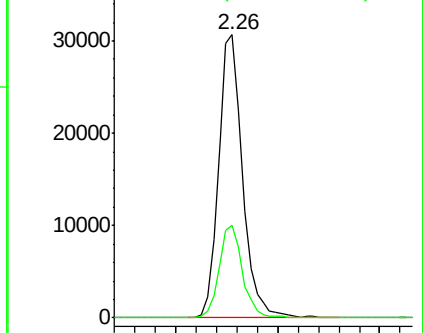
62 100

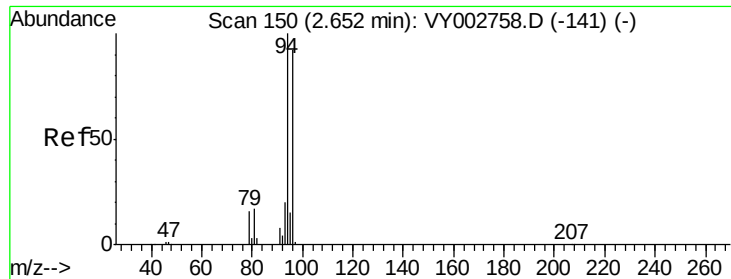
64 32.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.820 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 94 Resp: 37617

Ion Ratio Lower Upper

94 100

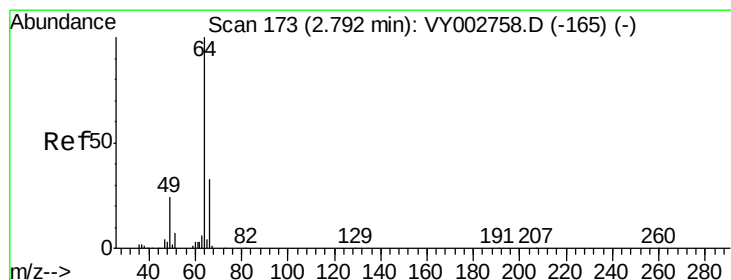
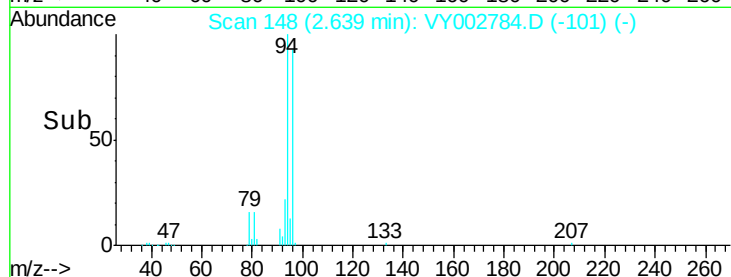
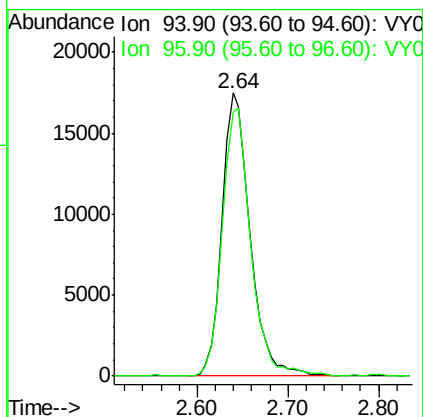
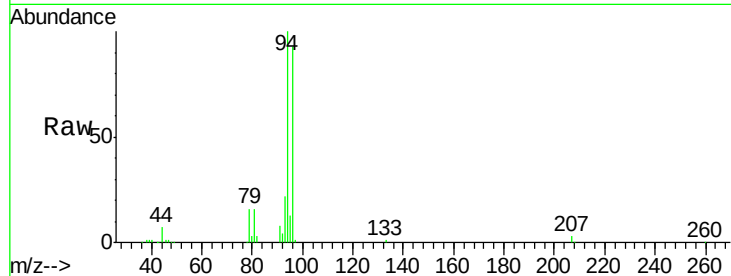
96 93.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 20.905 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY002784.D

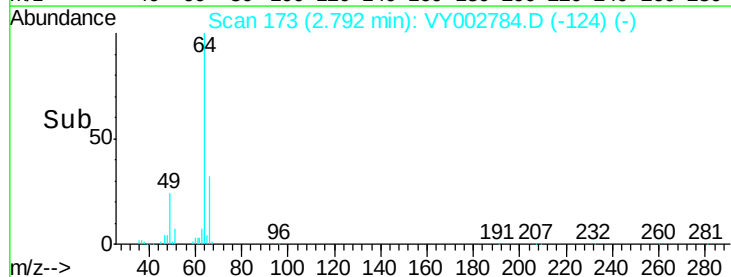
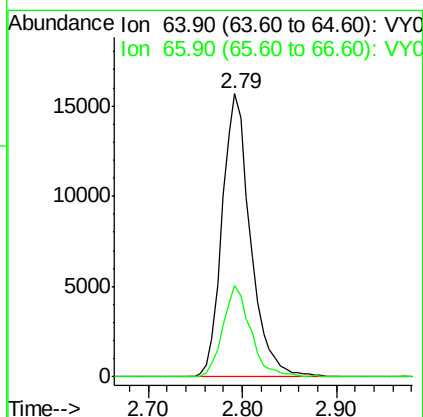
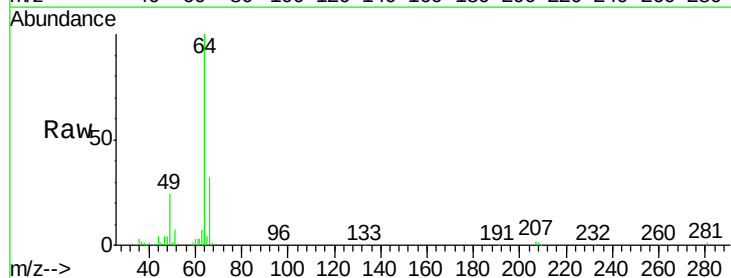
Acq: 28 May 2020 11:45

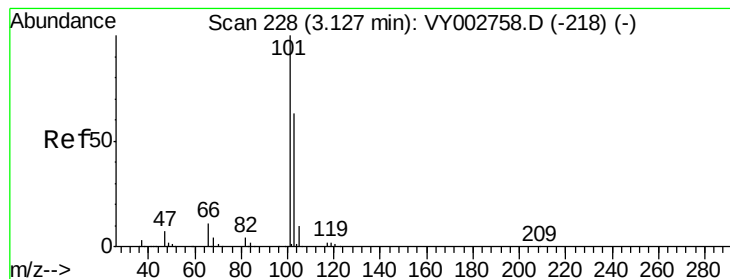
Tgt Ion: 64 Resp: 32673

Ion Ratio Lower Upper

64 100

66 32.5 26.4 39.6





#7

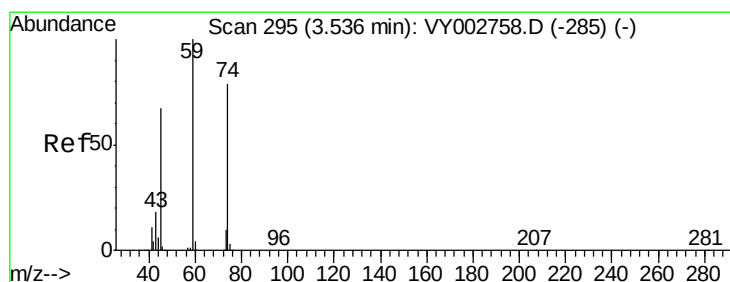
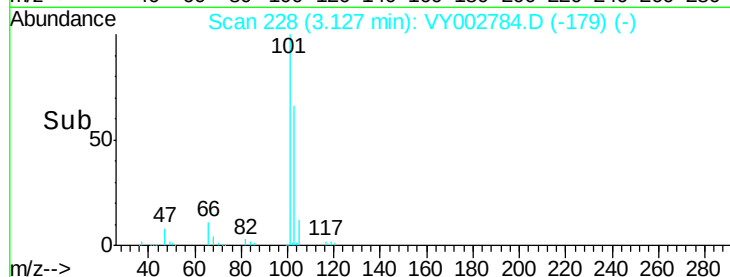
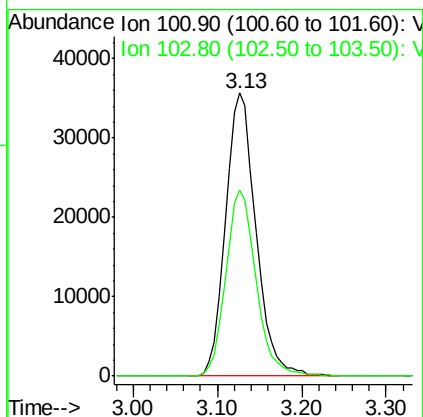
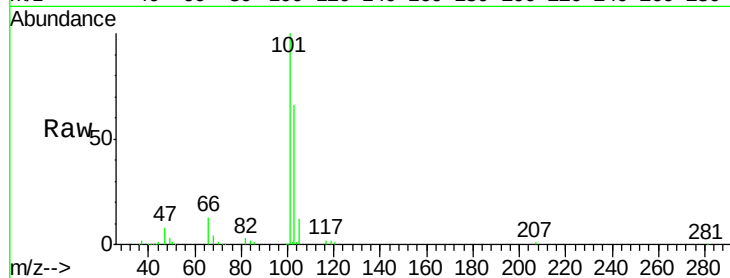
Trichlorofluoromethane
Concen: 20.495 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
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ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.6	76.0

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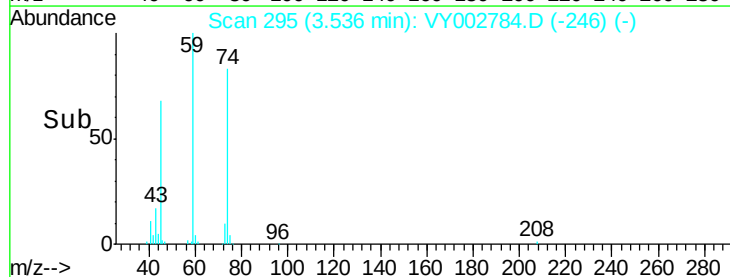
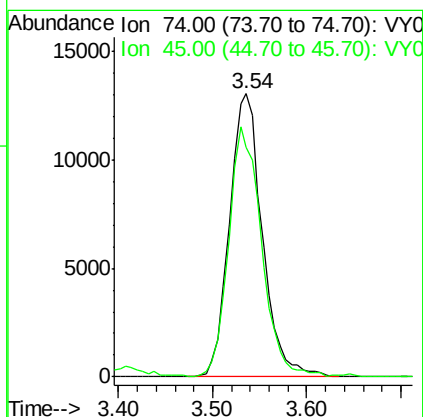
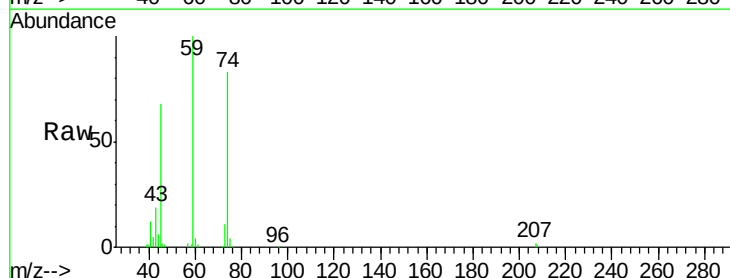
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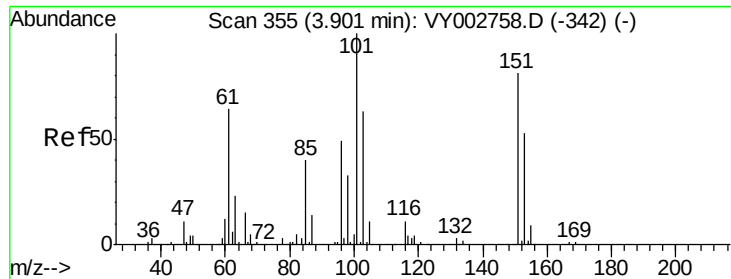


#8

Diethyl Ether
Concen: 18.951 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.143 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

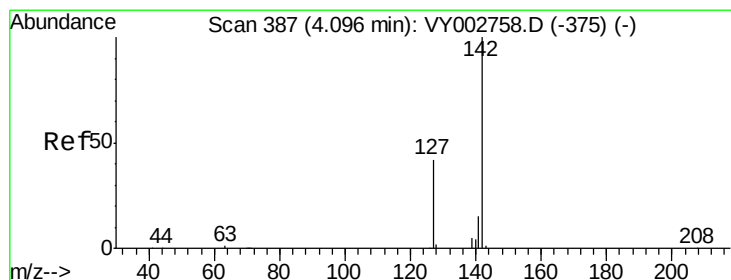
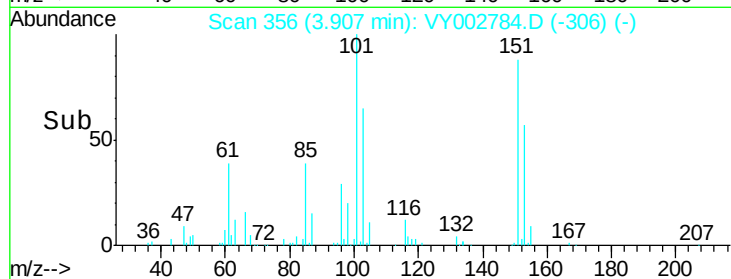
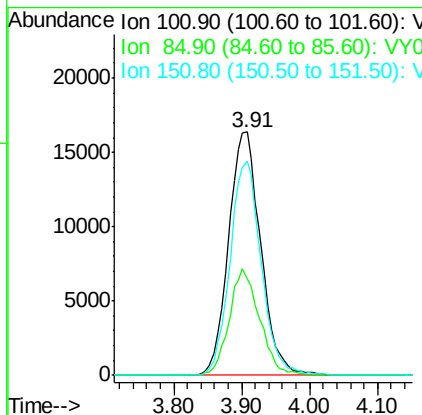
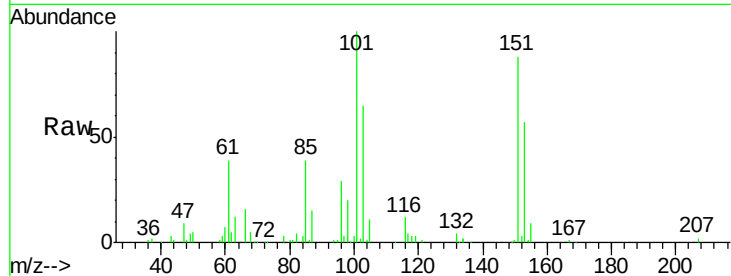
ClientSampleId :

VY0528SBS01

Tot Ion:	101	Resp:	53606
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.7	49.1
151	85.6	68.0	102.0

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#10

Methyl Iodide

Concen: 19.483 ug/l

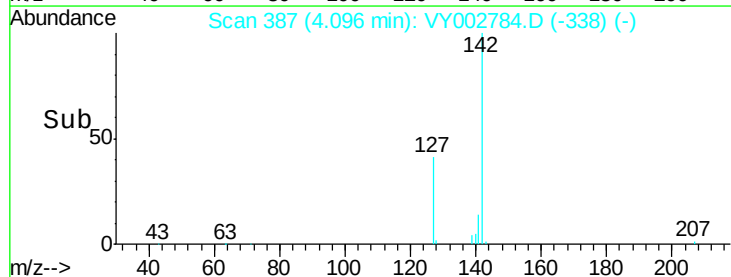
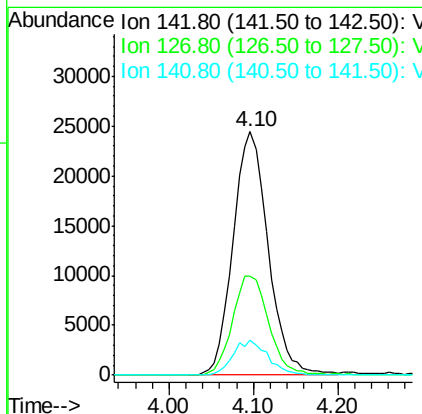
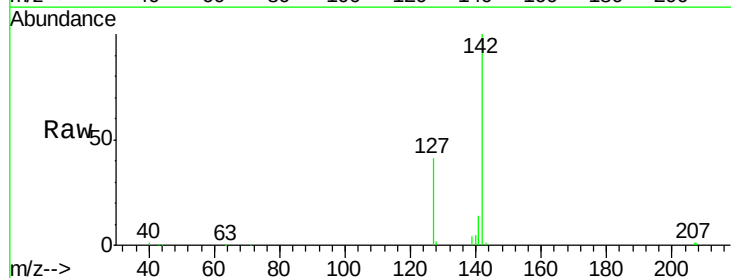
RT: 4.10 min Scan# 387

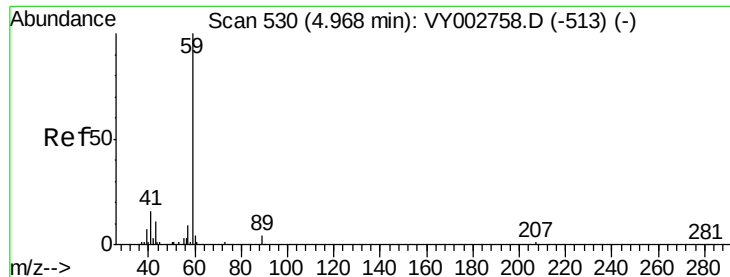
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	142	Resp:	69117
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.3	49.9
141	14.1	11.5	17.3





#11

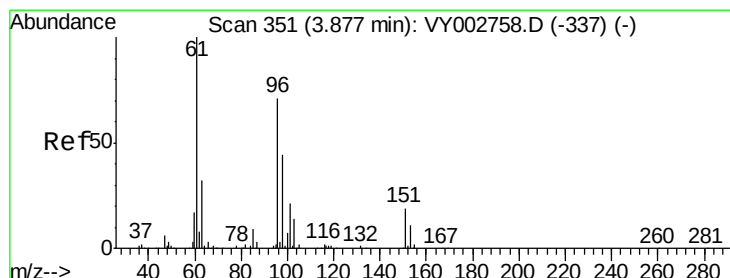
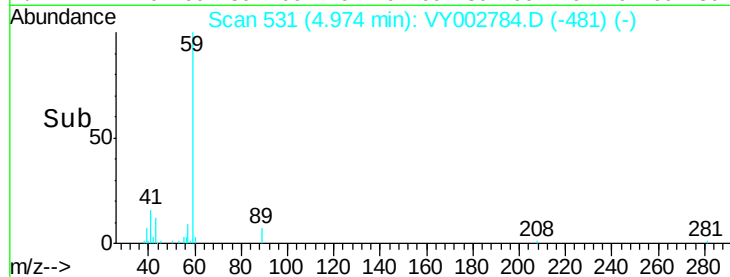
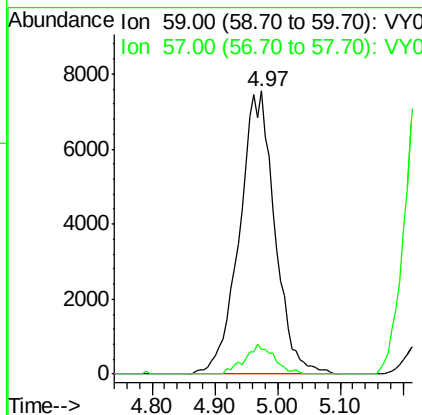
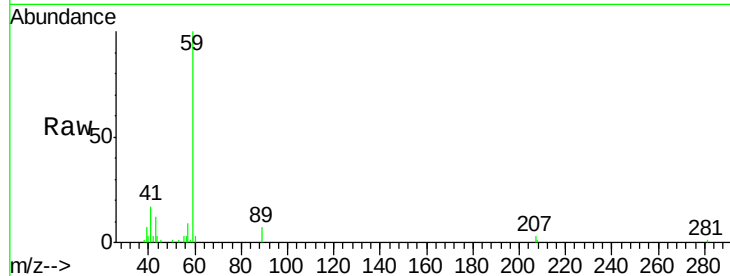
Tert butyl alcohol
 Concen: 97.254 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	59	Resp	29384
Ion Ratio	100	Lower	Upper
57	8.8	7.7	11.5

Manual Integrations
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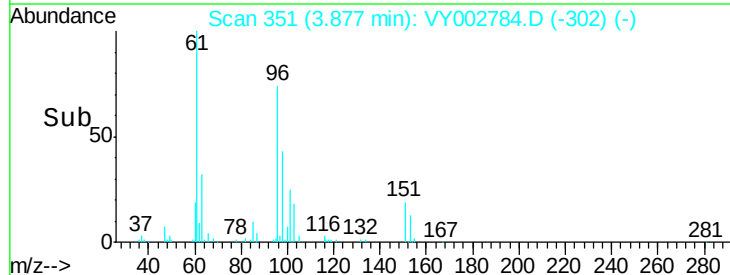
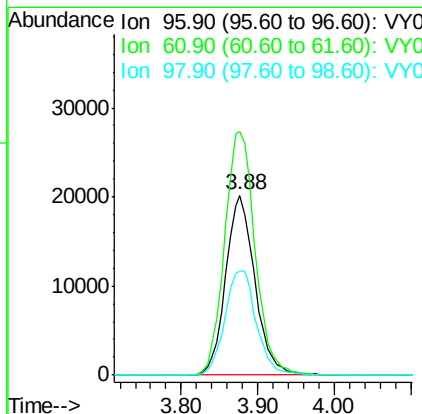
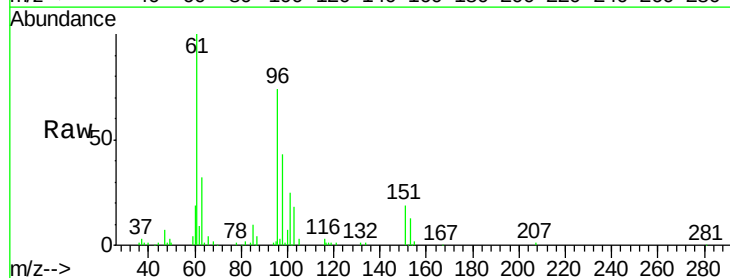
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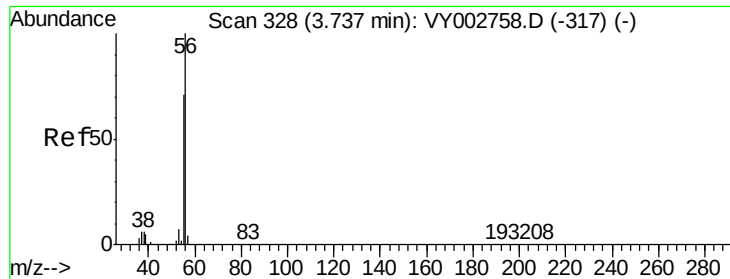


#12

1,1-Dichloroethene
 Concen: 20.911 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	96	Resp	53317
Ion Ratio	100	Lower	Upper
61	135.3	112.6	168.8
98	57.9	50.0	75.0





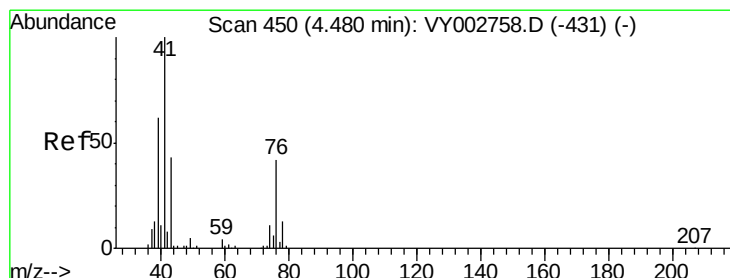
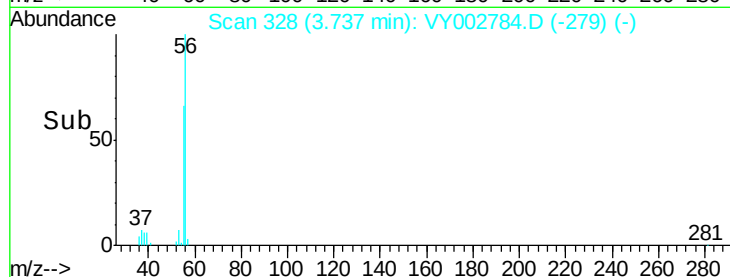
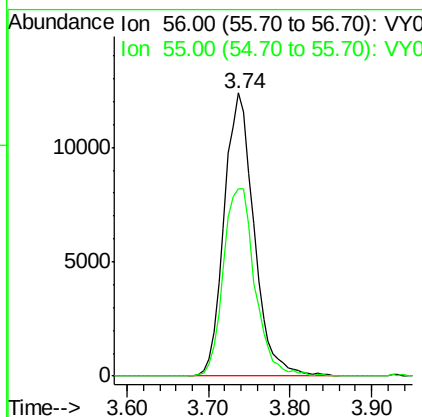
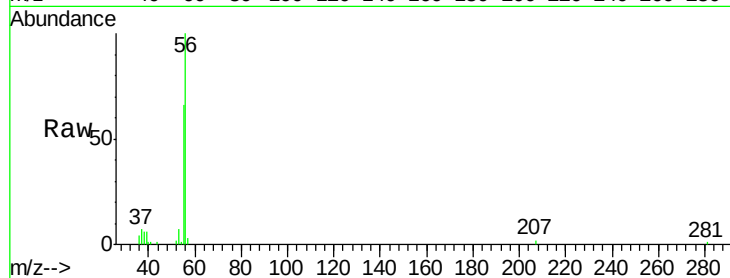
#13
Acrolein
Concen: 102.802 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.0	84.0

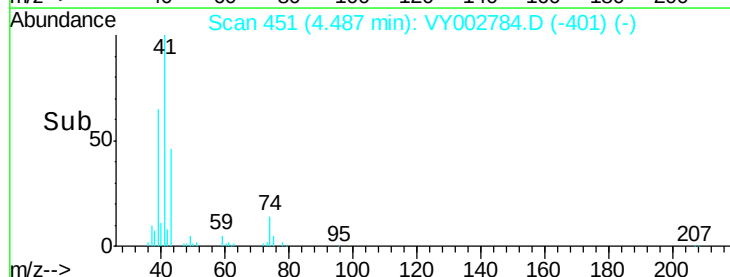
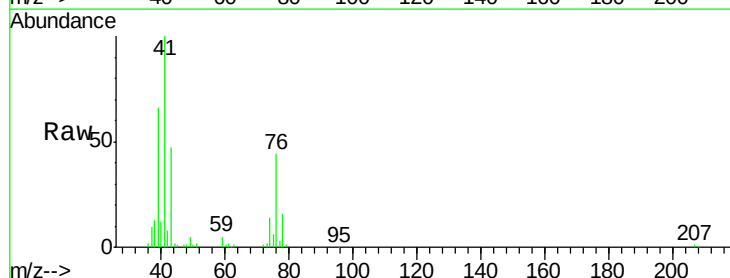
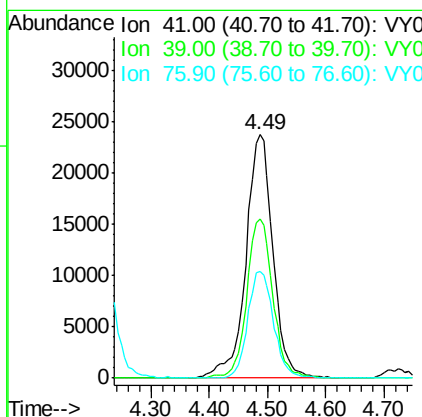
Manual Integrations
APPROVED

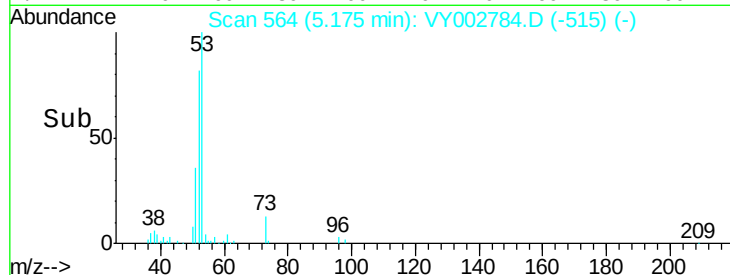
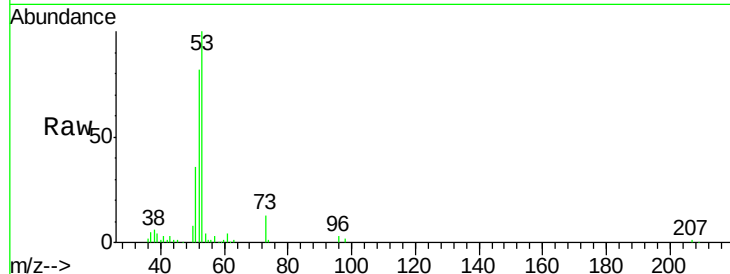
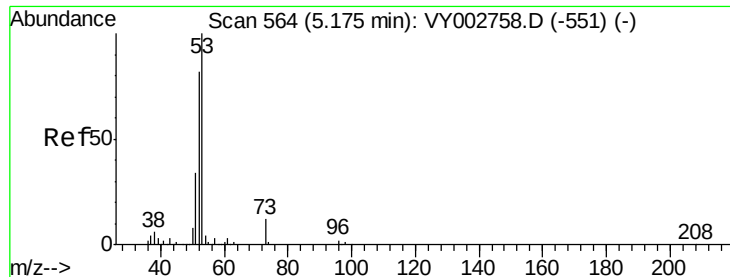
MMDadoda
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#14
Allyl chloride
Concen: 20.818 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.1	49.9	74.9
76	41.9	33.2	49.8





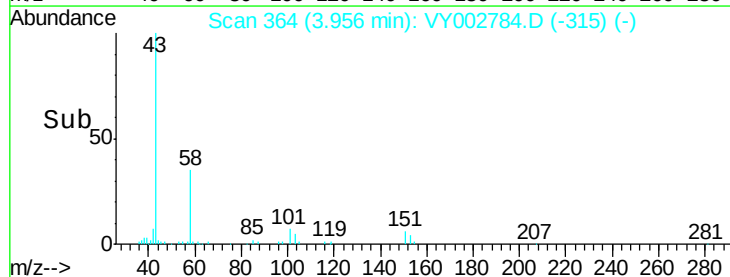
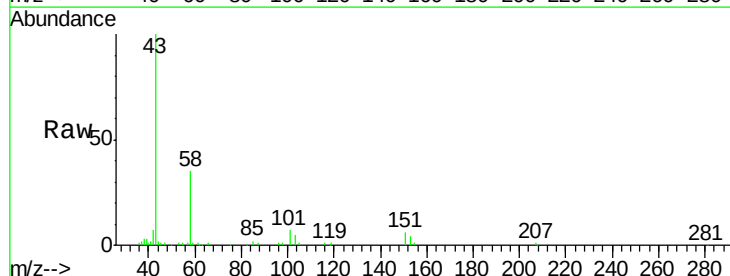
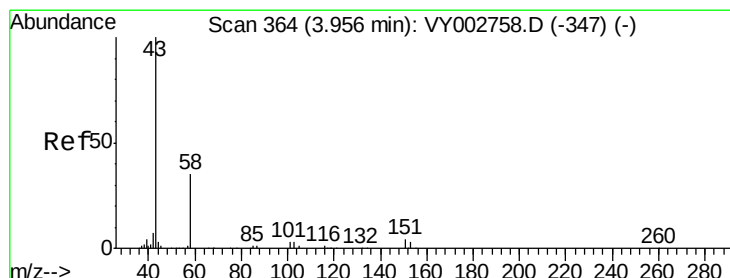
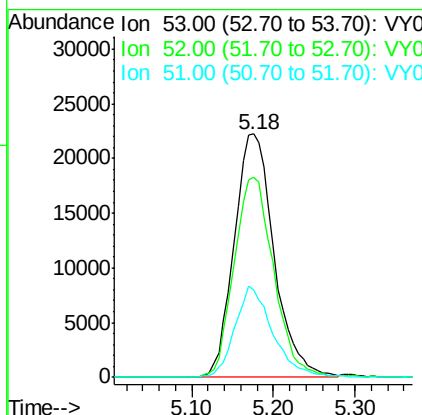
#15
 Acrylonitrile
 Concen: 100.476 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tot Ion	53	Resp	75578
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.3	97.9
51	35.6	28.0	42.0

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

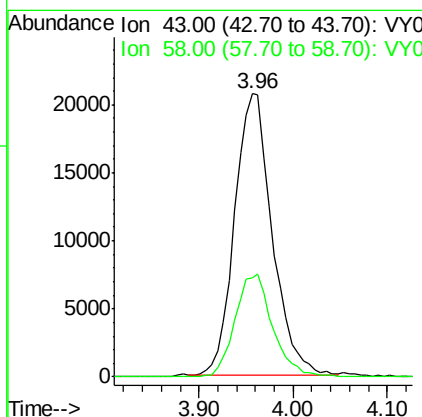
Manual Integrations
 APPROVED

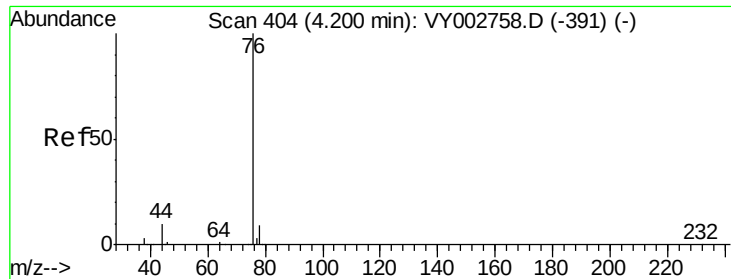
MMDadoda
 5/29/2020 10:57:07 AM



#16
 Acetone
 Concen: 94.844 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	43	Resp	57875
Ion Ratio	Lower	Upper	
43	100		
58	35.3	27.7	41.5





#17

Carbon Disulfide

Concen: 20.680 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 76 Resp: 159333

Ion Ratio Lower Upper

76 100

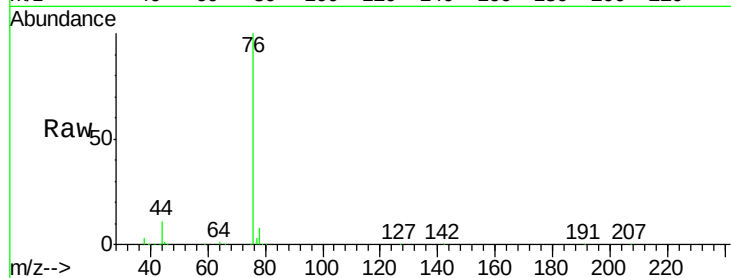
78 8.4 6.9 10.3

Manual Integrations

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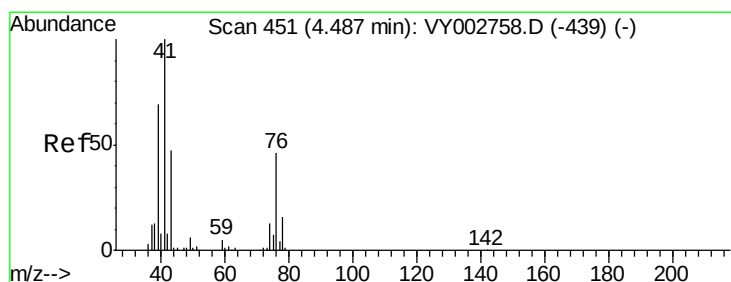
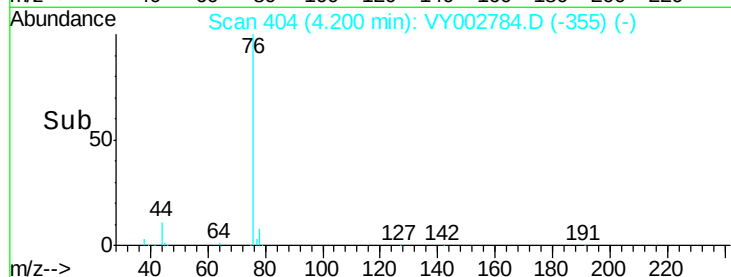
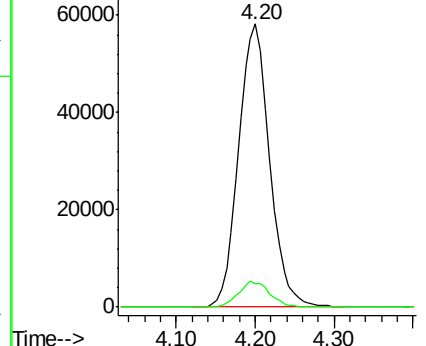
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.677 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002784.D

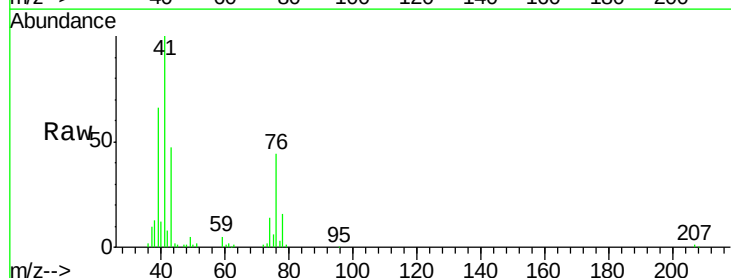
Acq: 28 May 2020 11:45

Tgt Ion: 43 Resp: 34031

Ion Ratio Lower Upper

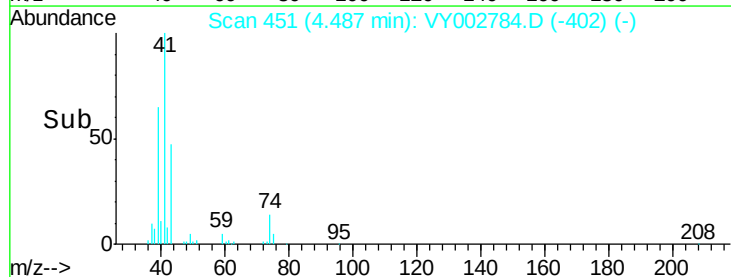
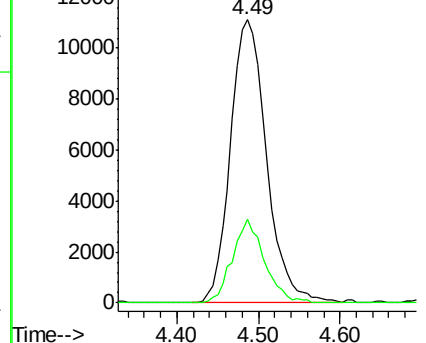
43 100

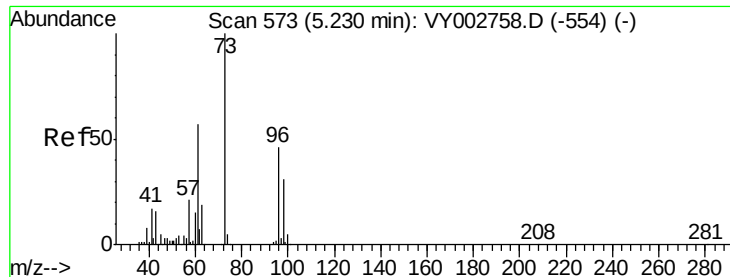
74 26.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





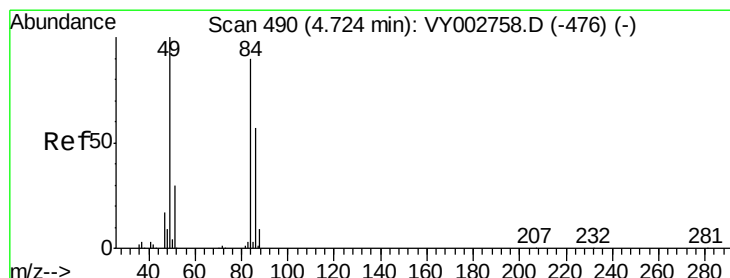
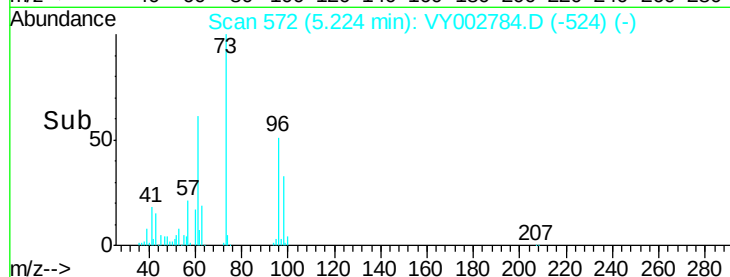
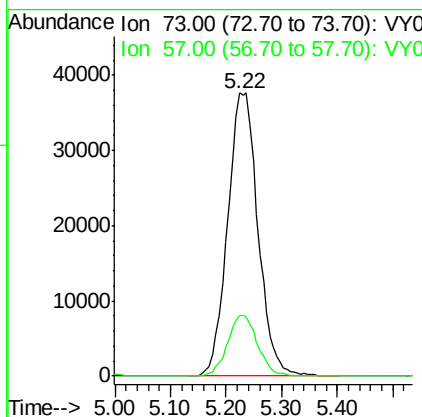
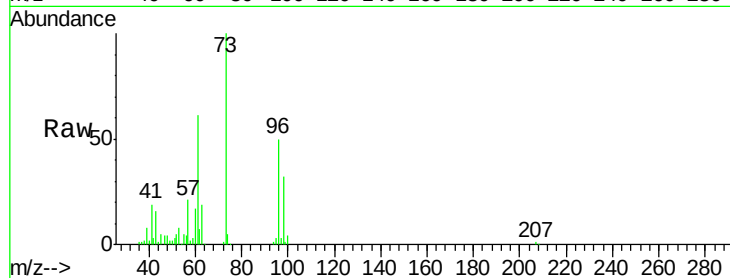
#19
Methyl tert-butyl Ether
Concen: 20.195 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.4

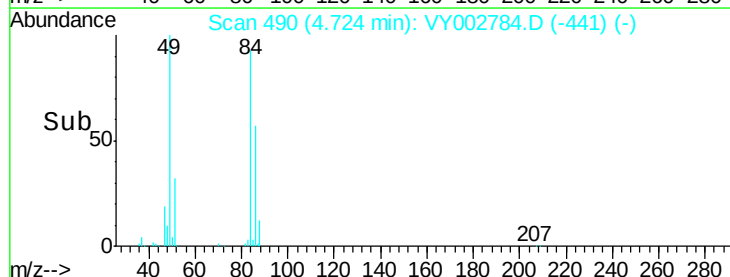
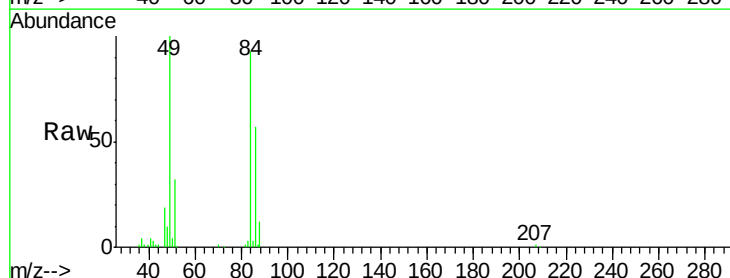
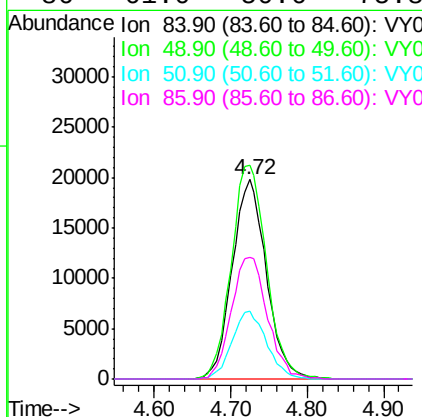
Manual Integrations
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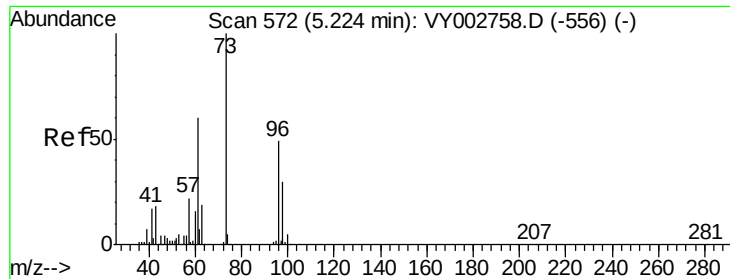
MMDadoda
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#20
Methylene Chloride
Concen: 20.572 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.2	88.5	132.7
51	33.9	26.8	40.2
86	61.0	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 20.668 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

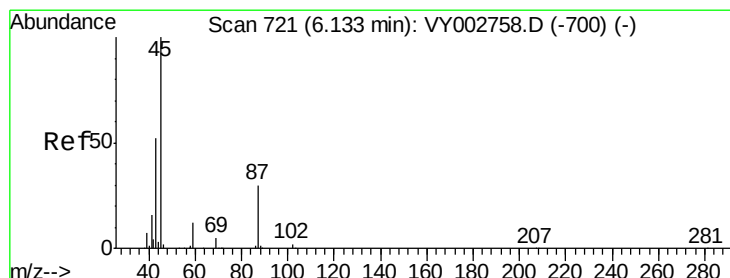
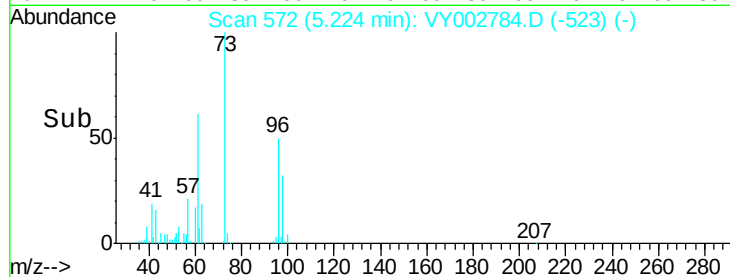
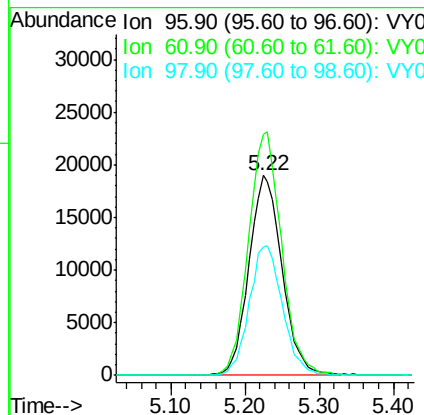
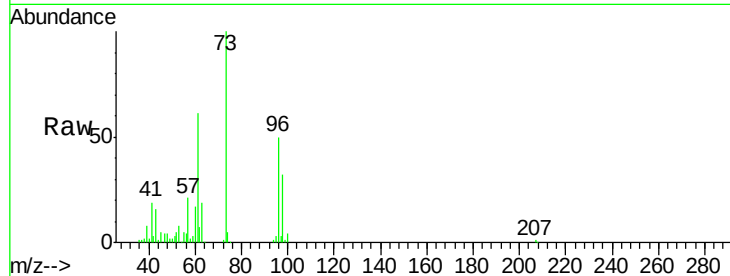
ClientSampleId :

VY0528SBS01

Tot Ion:	96	Resp:	59263
Ion	Ratio	Lower	Upper
96	100		
61	121.0	96.8	145.2
98	64.4	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.049 ug/l

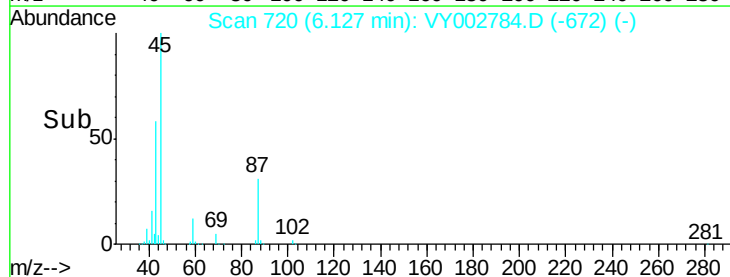
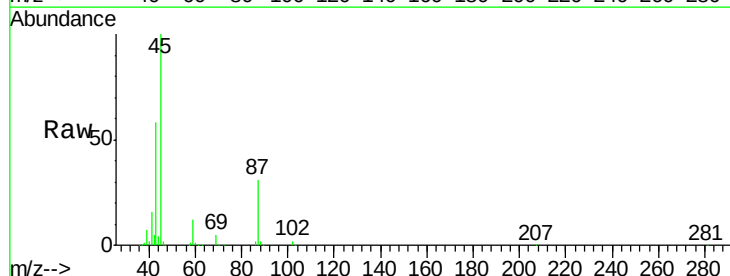
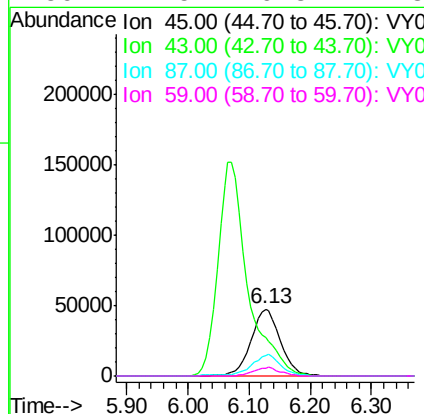
RT: 6.13 min Scan# 720

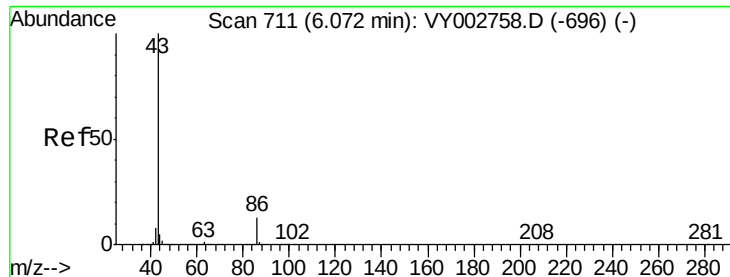
Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	45	Resp:	159953
Ion	Ratio	Lower	Upper
45	100		
43	57.7	41.7	62.5
87	30.6	24.2	36.2
59	11.5	9.8	14.8





#23

Vinyl Acetate

Concen: 103.574 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 43 Resp: 519644

Ion Ratio Lower Upper

43 100

86 12.2

10.2

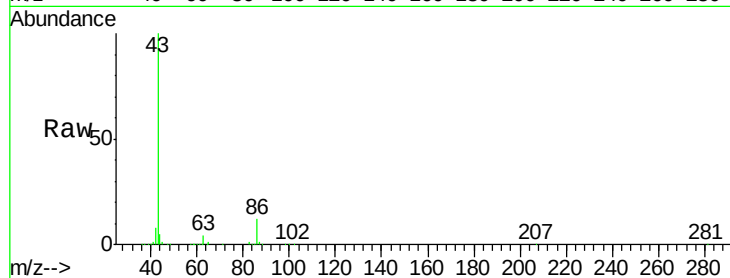
15.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

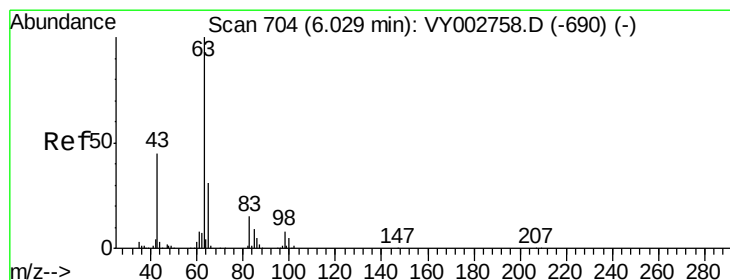
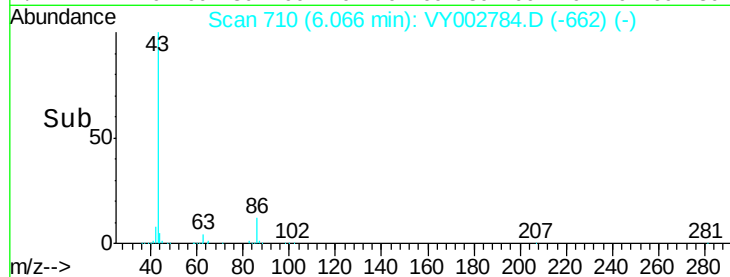
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.026 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion: 63 Resp: 93466

Ion Ratio Lower Upper

63 100

98 8.4

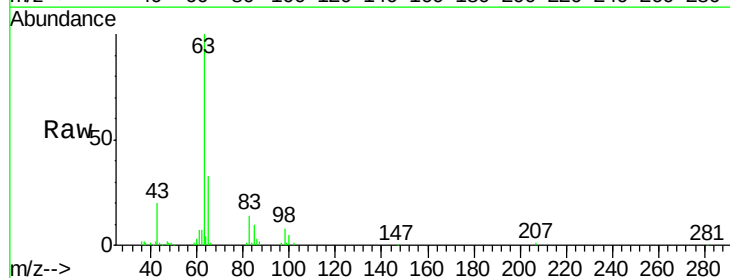
4.0

12.2

100 5.2

2.4

7.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

40000

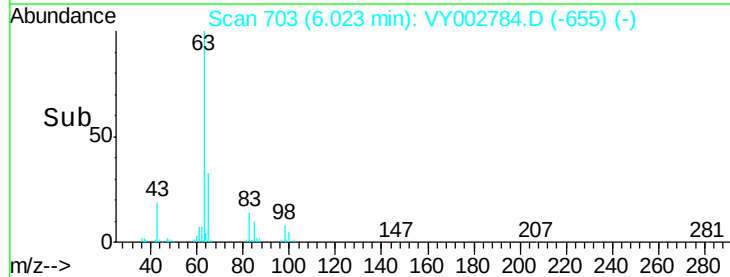
30000

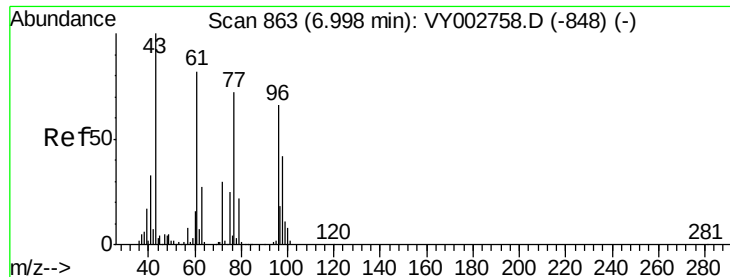
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.526 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 43 Resp: 93670

Ion Ratio Lower Upper

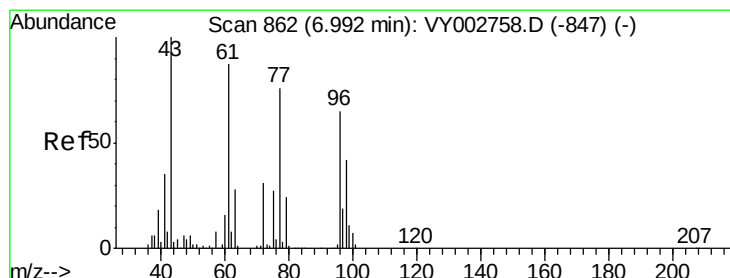
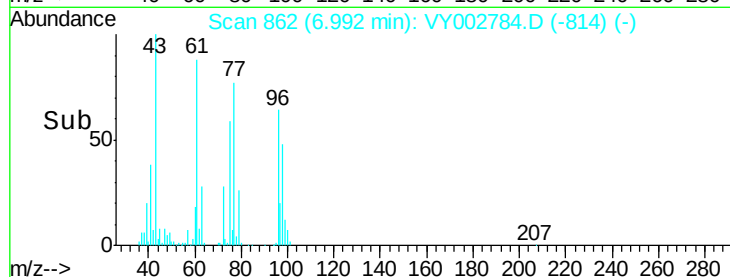
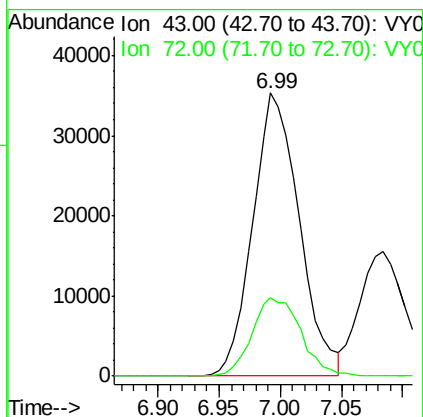
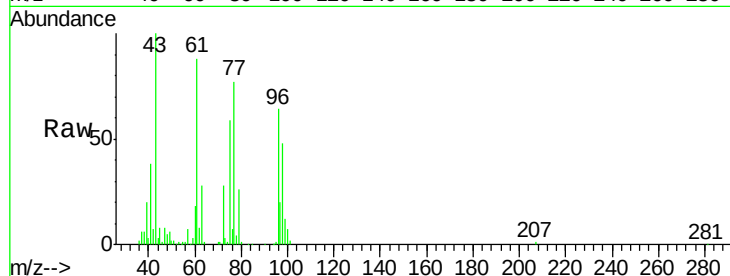
43 100

72 27.8 23.9 35.9

Manual Integrations
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5/29/2020 10:57:07 AM



#26

2,2-Dichloropropane

Concen: 20.298 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002784.D

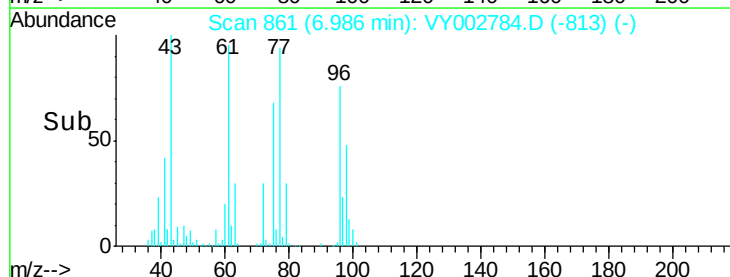
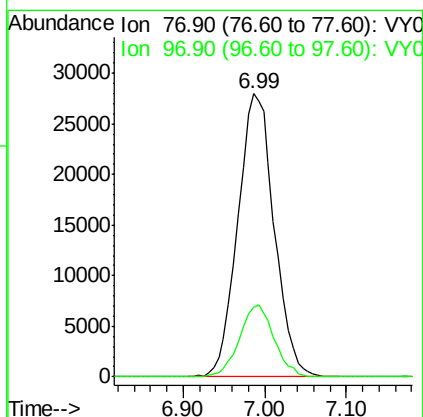
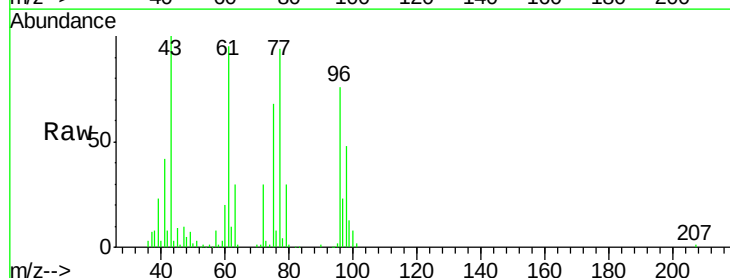
Acq: 28 May 2020 11:45

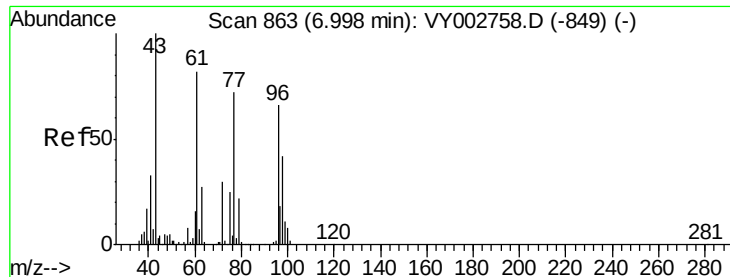
Tgt Ion: 77 Resp: 86539

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

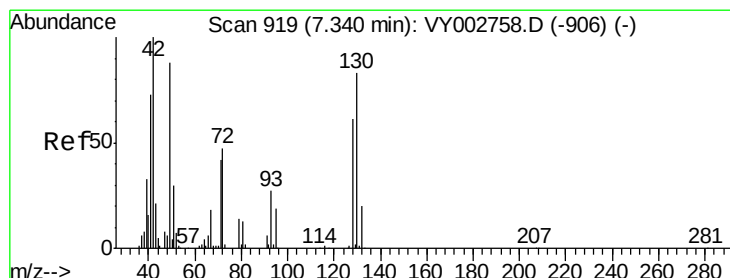
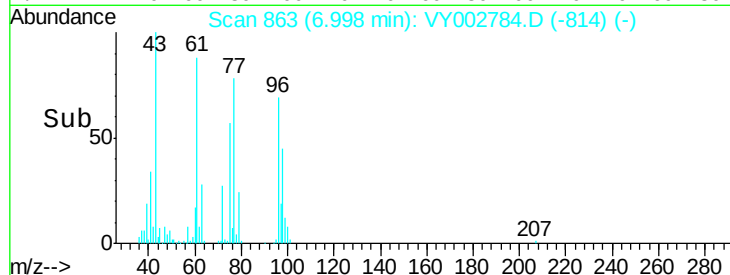
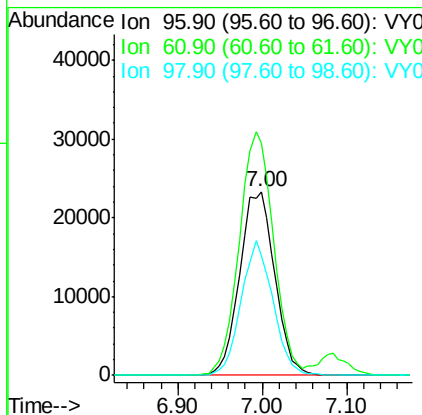
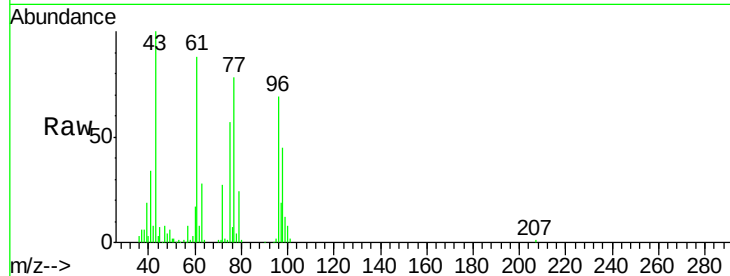
cis-1,2-Dichloroethene
Concen: 20.432 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	260.2
98	66.4	0.0	128.2

Manual Integrations
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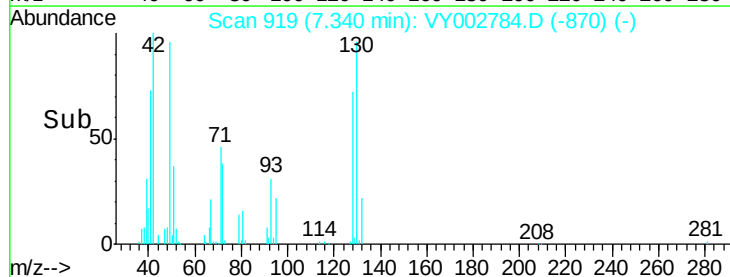
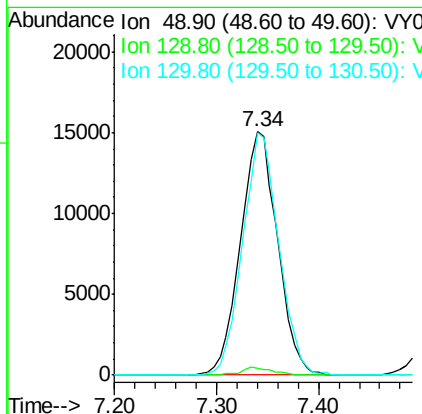
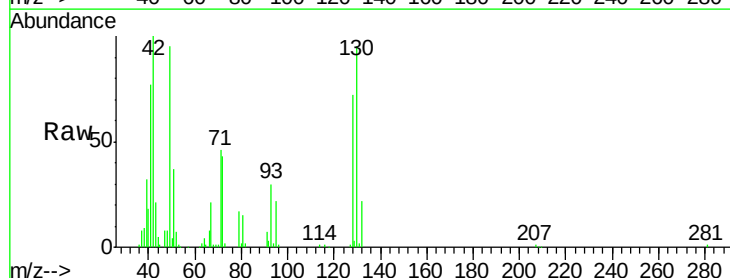
MMDadoda
5/29/2020 10:57:07 AM

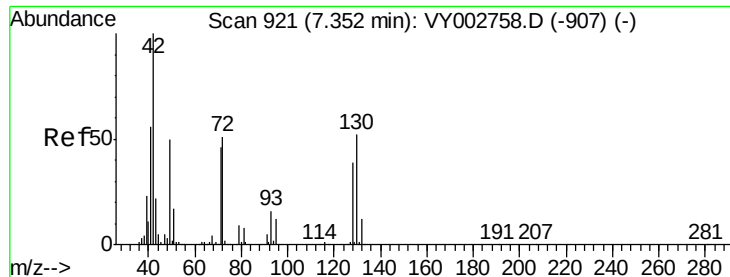


#28

Bromochloromethane
Concen: 20.860 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	97.0	77.1	115.7





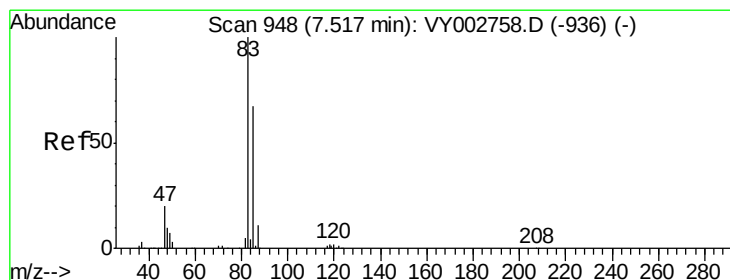
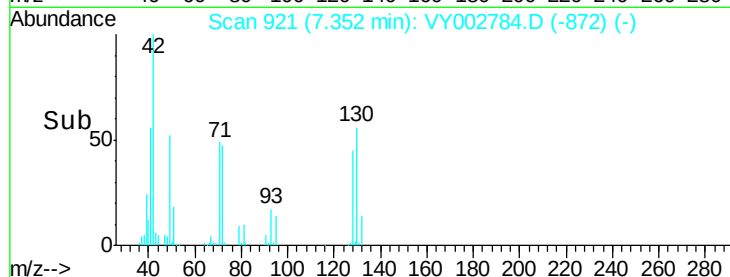
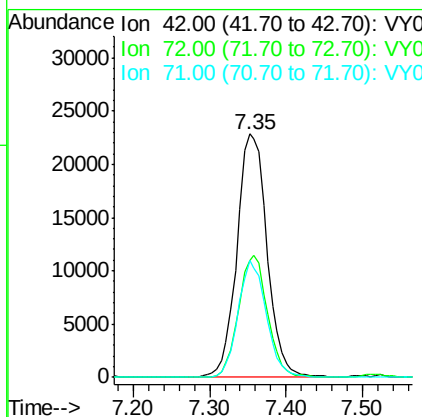
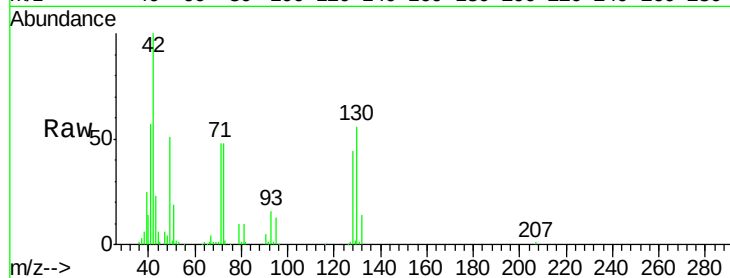
#29
Tetrahydrofuran
Concen: 100.933 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.6	58.0
71	44.9	35.8	53.8

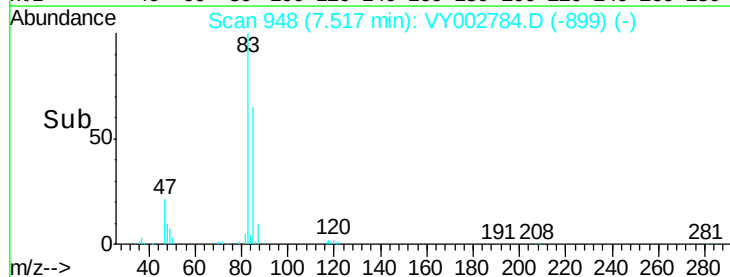
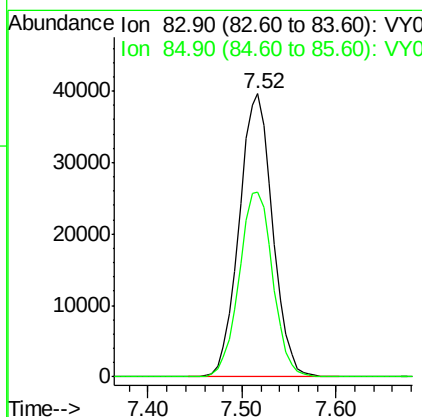
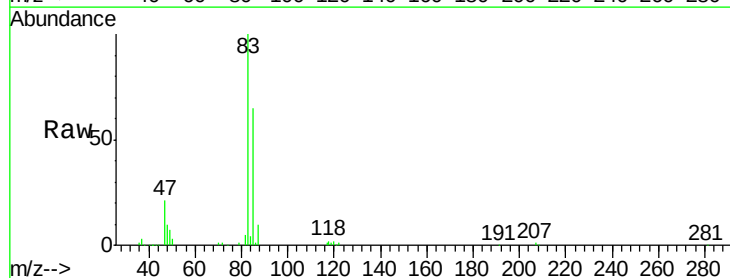
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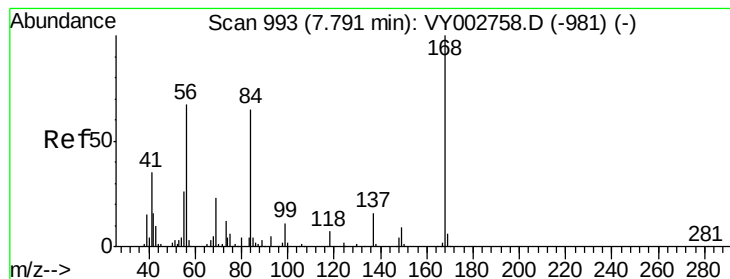
MMDadoda
5/29/2020 10:57:07 AM



#30
Chloroform
Concen: 20.803 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.8	80.8





#31

Cvclohexane

Concen: 20.695 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 56 Resp: 91341

Ion Ratio Lower Upper

56 100

69 39.2 28.0 42.0

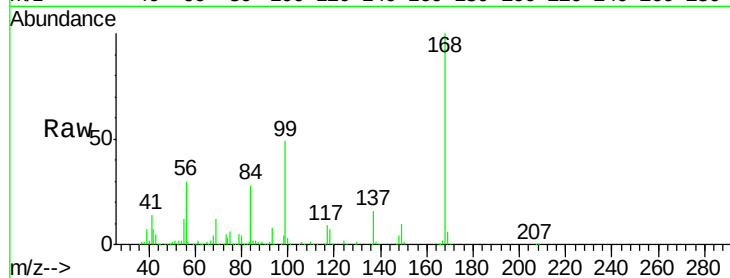
84 94.4 77.7 116.5

Manual Integrations

APPROVED

MMDadoda

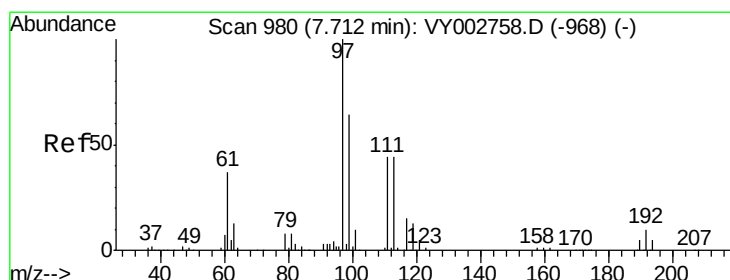
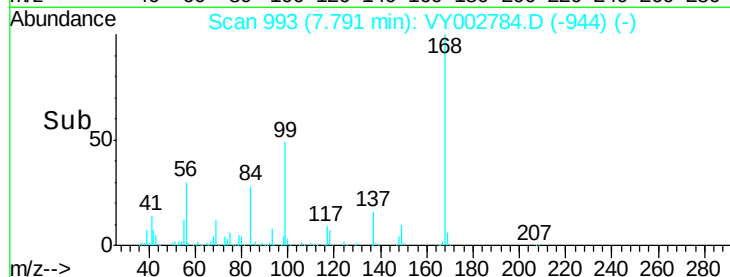
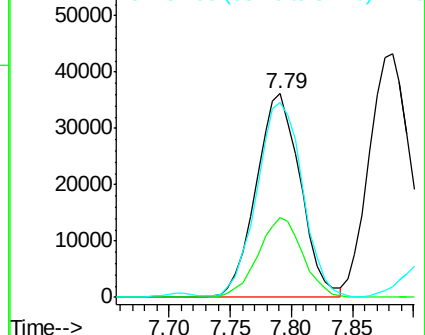
5/29/2020 10:57:07 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.312 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

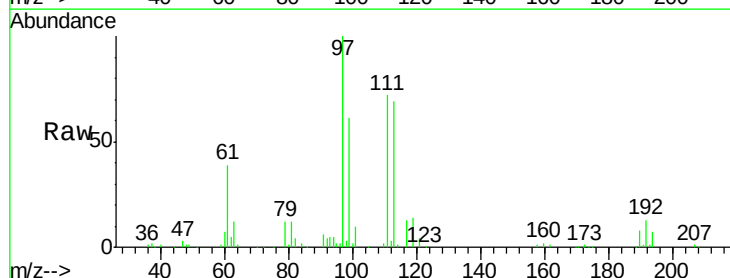
Tgt Ion: 97 Resp: 89283

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

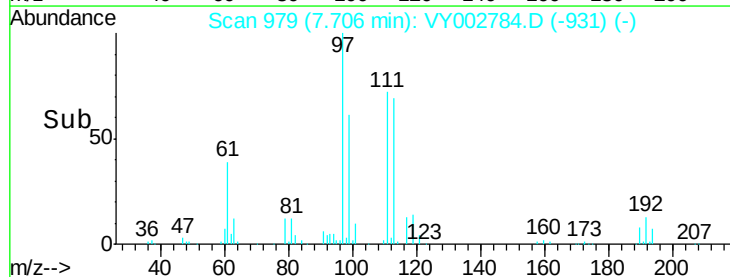
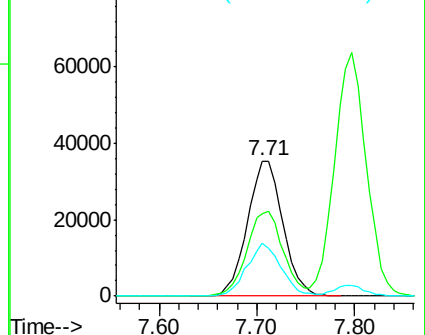
61 37.8 30.1 45.1

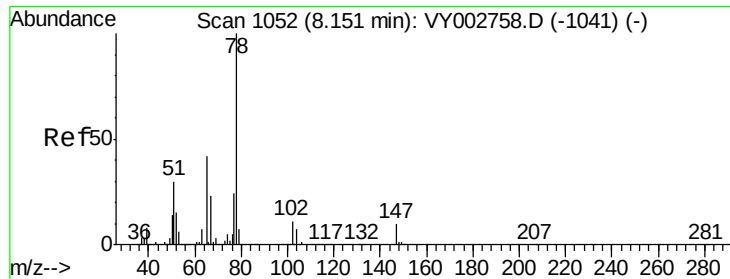


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





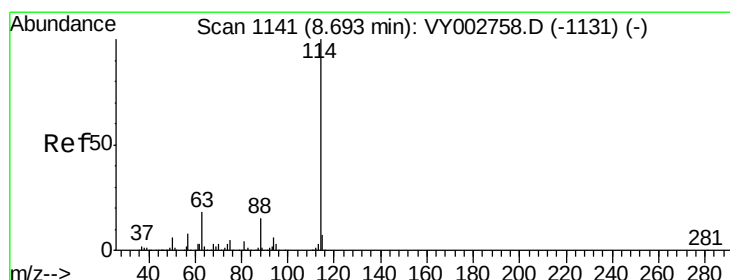
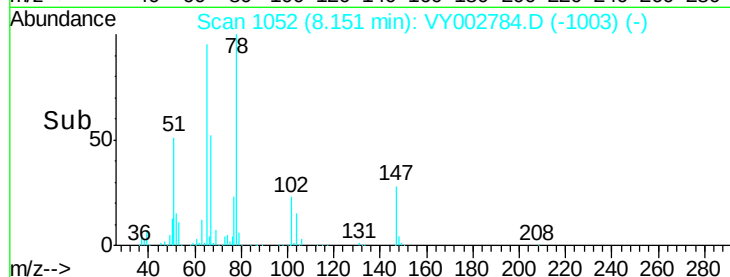
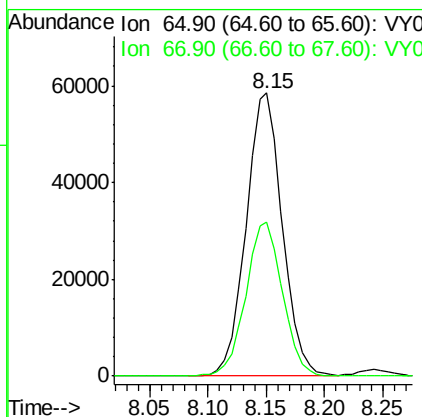
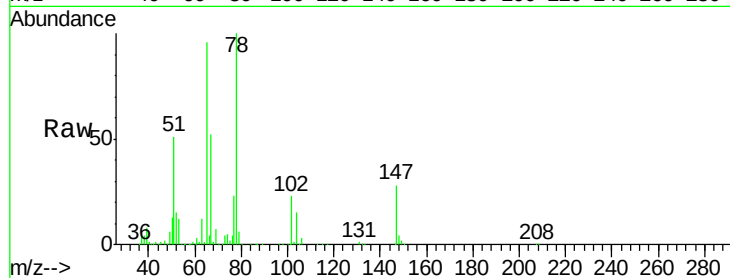
#33
 1,2-Dichloroethane-d4
 Concen: 48.579 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	111.0	

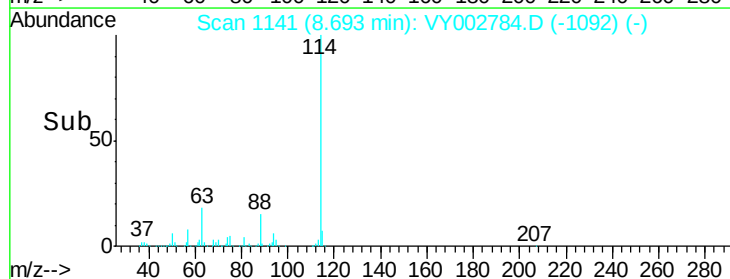
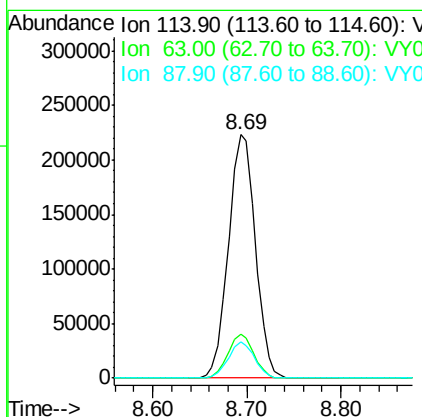
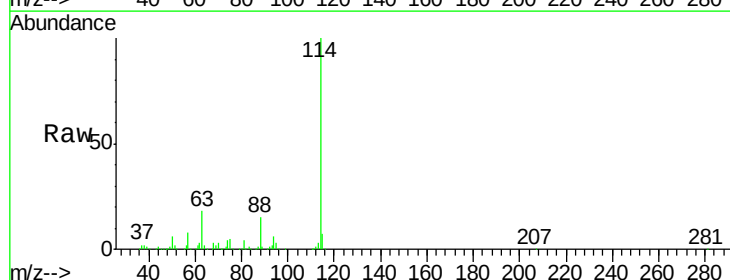
Manual Integrations
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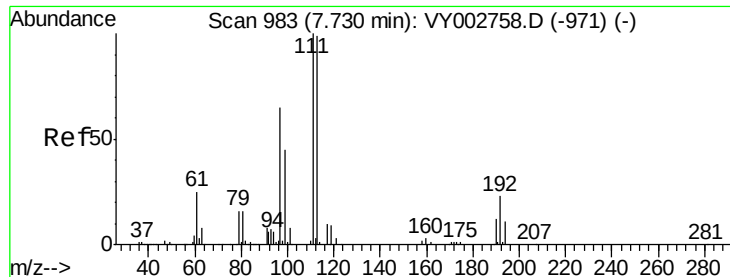
MMDadoda
 5/29/2020 10:57:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.2	
88	14.9	0.0	29.2	





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

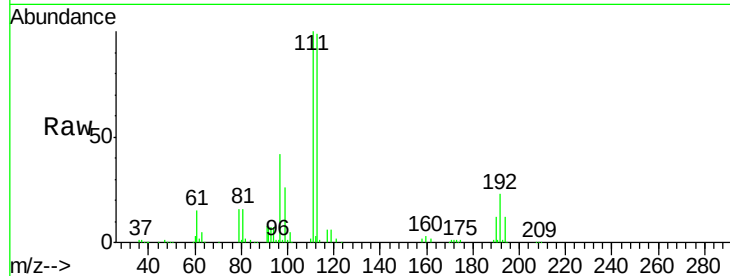
ClientSampleId :

VY0528SBS01

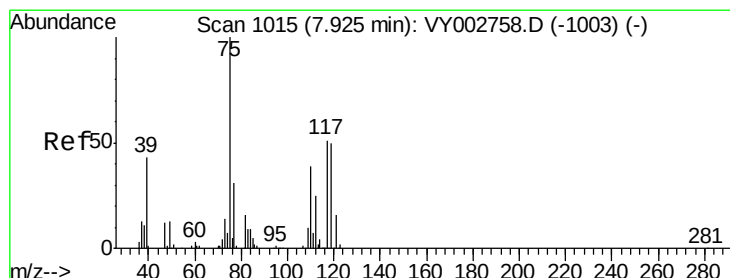
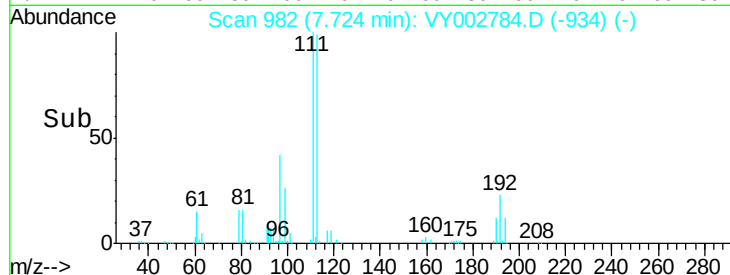
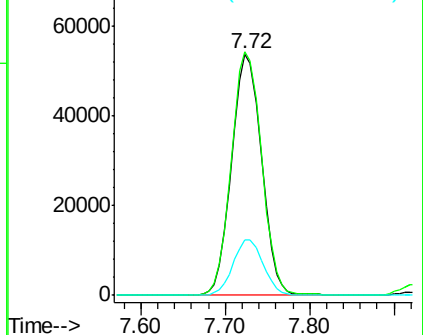
Tot Ion:	113	Resp:	129458
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.0	123.0
192	23.1	18.9	28.3

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.547 ug/l

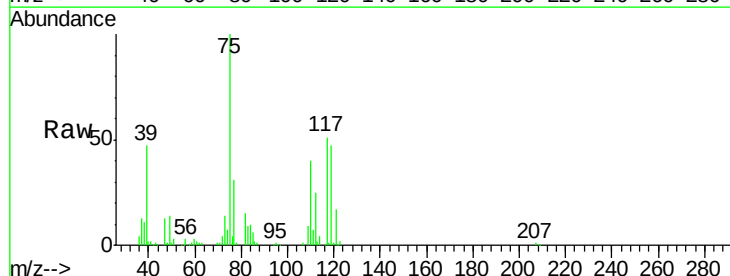
RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

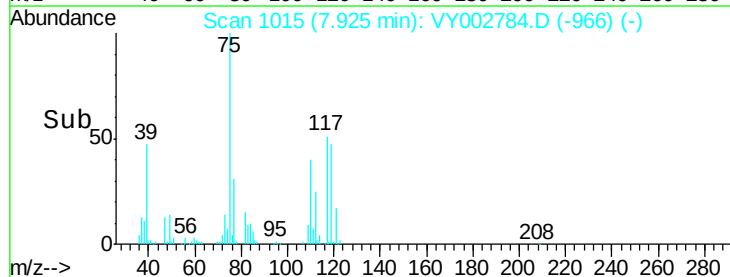
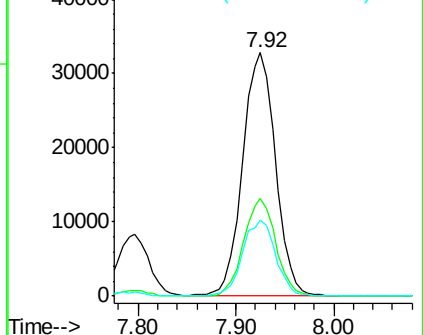
Lab File: VY002784.D

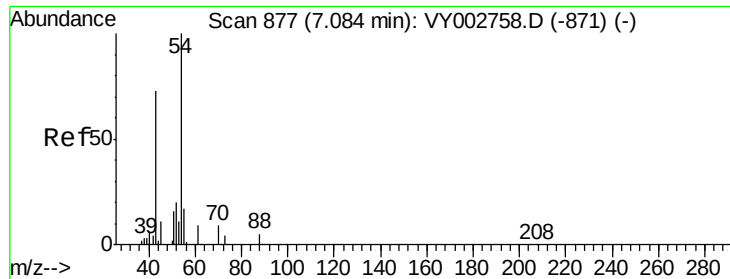
Acq: 28 May 2020 11:45

Tgt Ion:	75	Resp:	76571
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.3	57.9
77	31.2	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





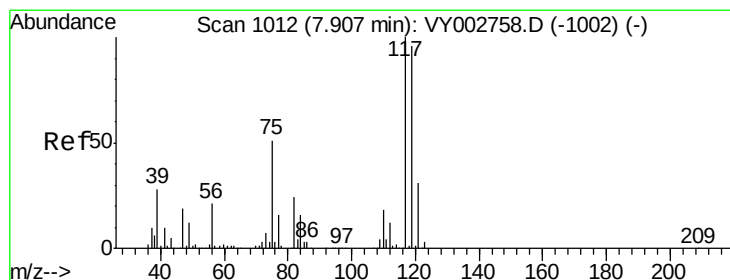
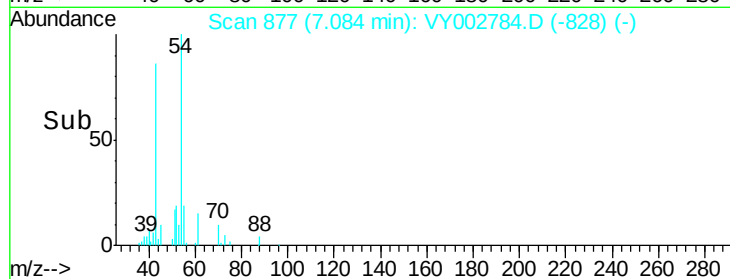
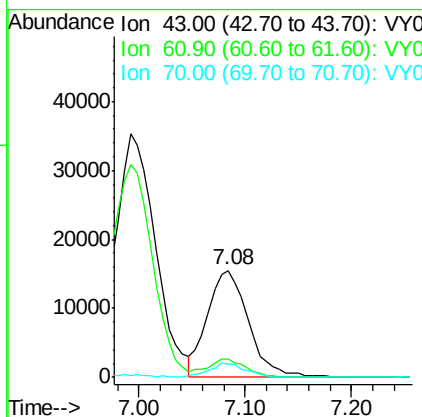
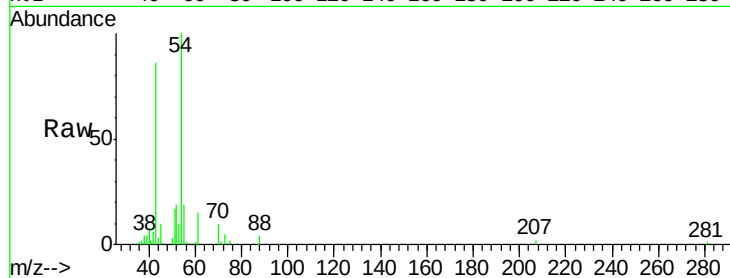
#37
Ethyl Acetate
Concen: 20.294 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.9	9.1	13.7

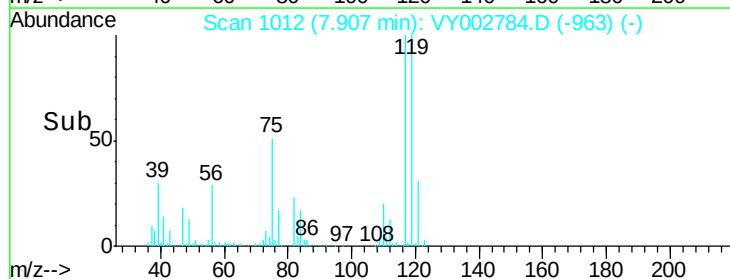
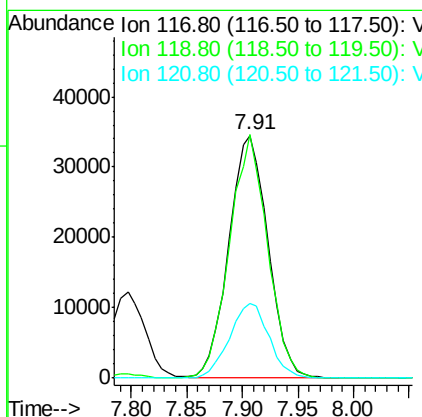
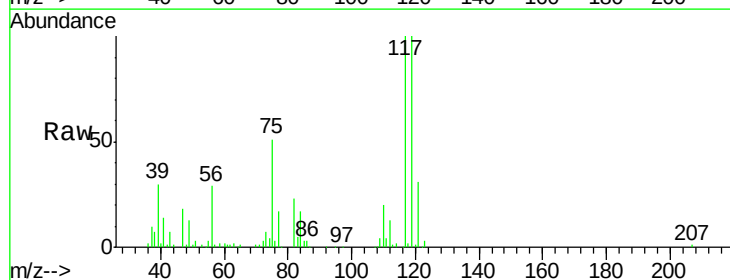
Manual Integrations
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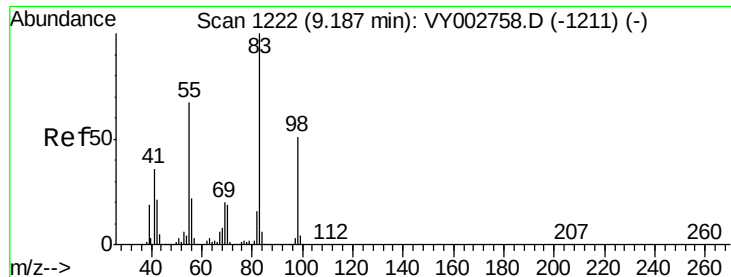
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#38
Carbon Tetrachloride
Concen: 20.380 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	76.8	115.2
121	30.9	24.8	37.2





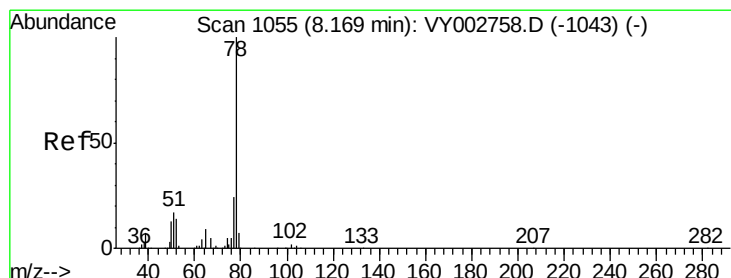
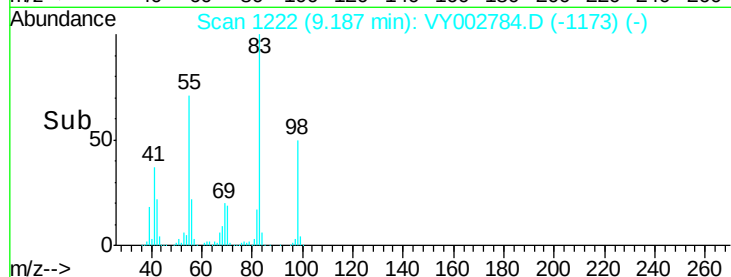
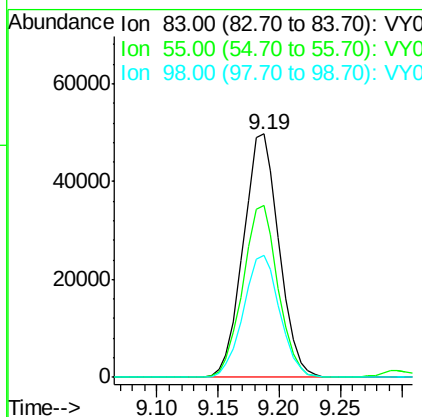
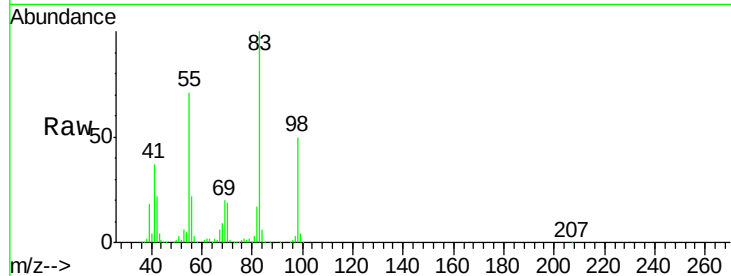
#39
Methylvlcyclohexane
Concen: 20.595 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	83	Resp	101165
Ion	Ratio	Lower	Upper
83	100		
55	70.9	53.3	79.9
98	50.3	41.1	61.7

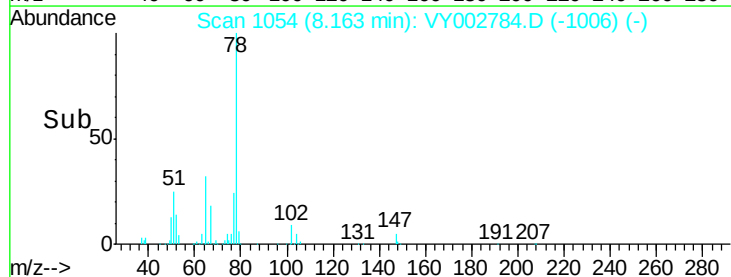
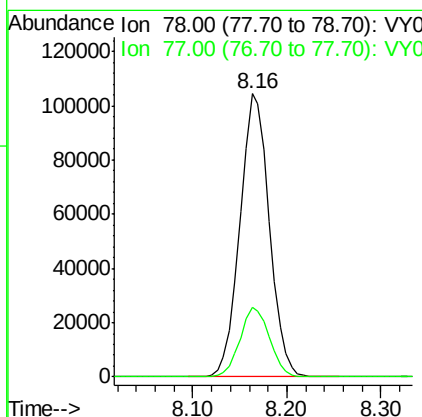
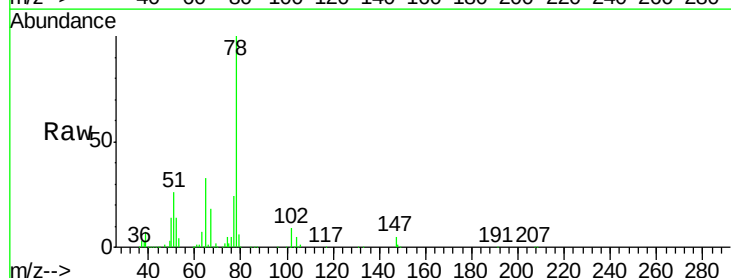
Manual Integrations
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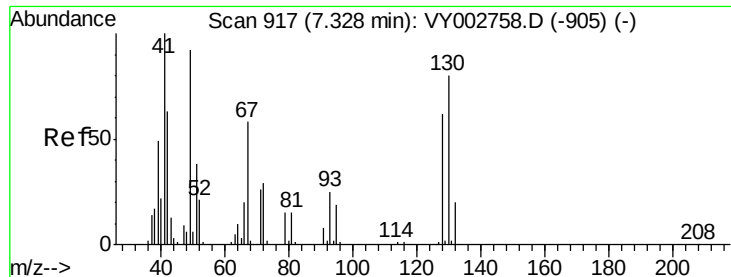
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#40
Benzene
Concen: 20.672 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	78	Resp	227632
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





#41

Methacrylonitrile

Concen: 18.699 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 41 Resp: 20369

Ion Ratio Lower Upper

41 100

39 0.0 97.6 146.4#

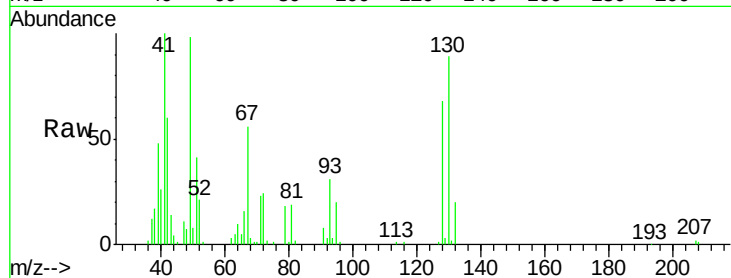
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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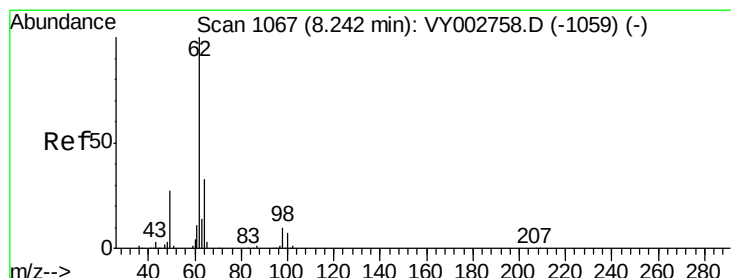
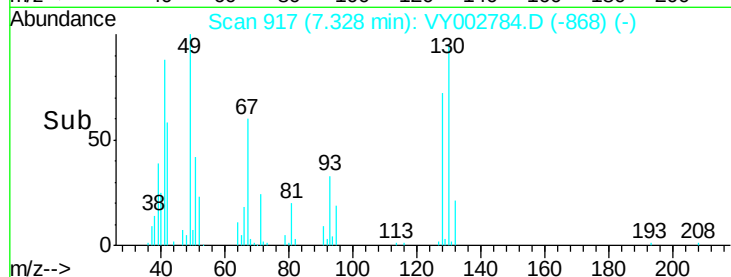
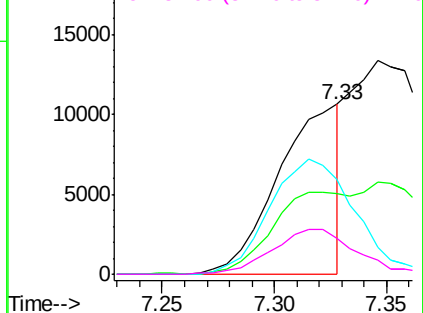


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 20.606 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002784.D

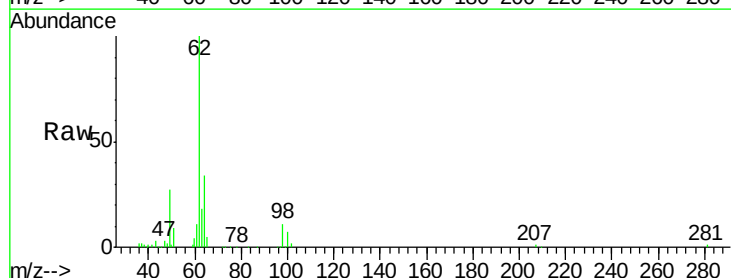
Acq: 28 May 2020 11:45

Tgt Ion: 62 Resp: 63592

Ion Ratio Lower Upper

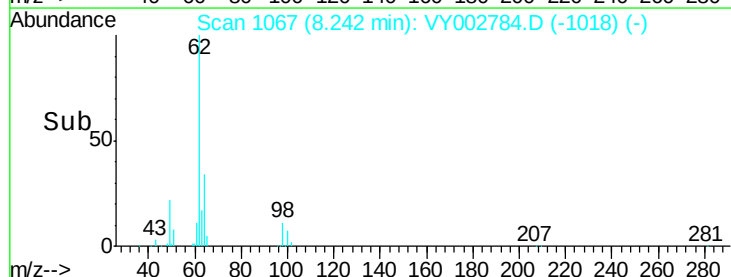
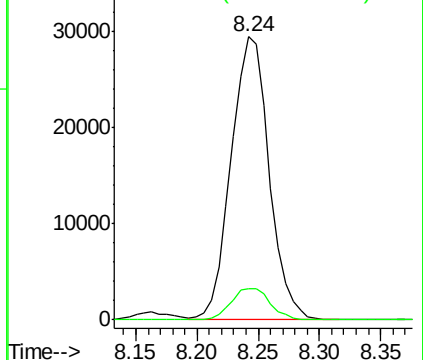
62 100

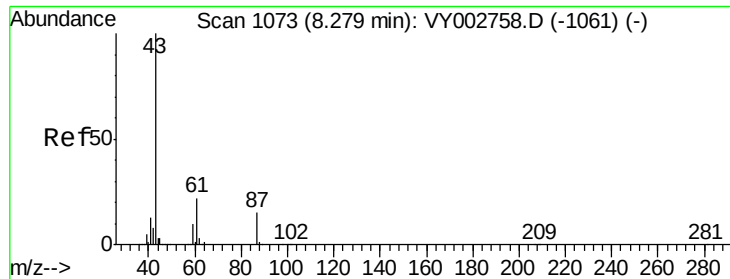
98 11.5 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 20.238 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

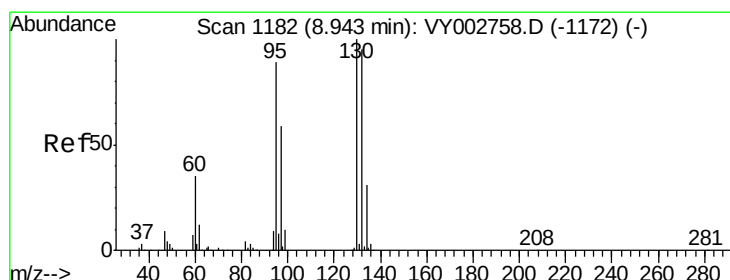
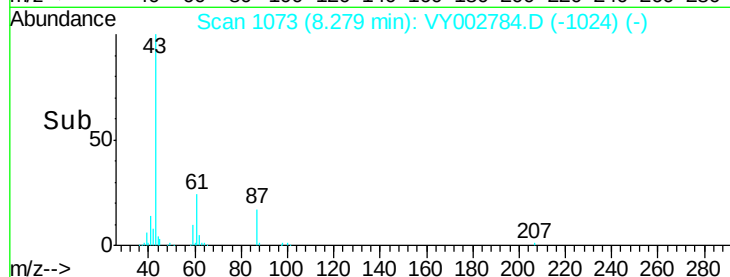
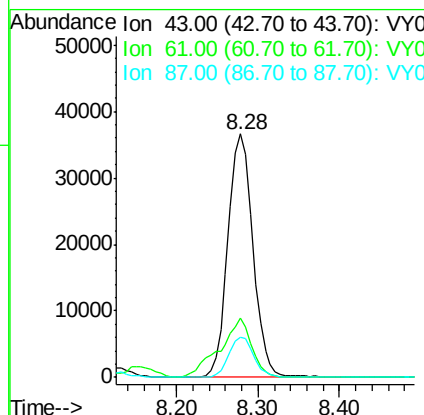
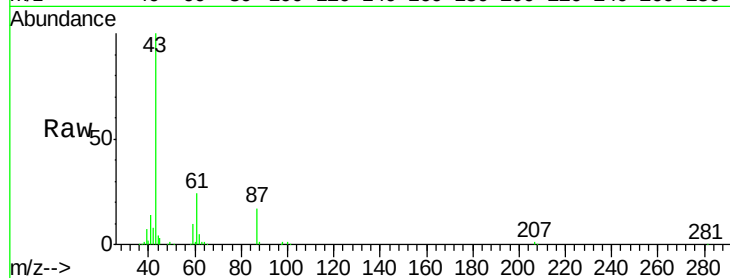
ClientSampleId :

VY0528SBS01

Tot Ion:	43	Resp:	77763
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	16.3	12.4	18.6

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#44

Trichloroethene

Concen: 20.732 ug/l

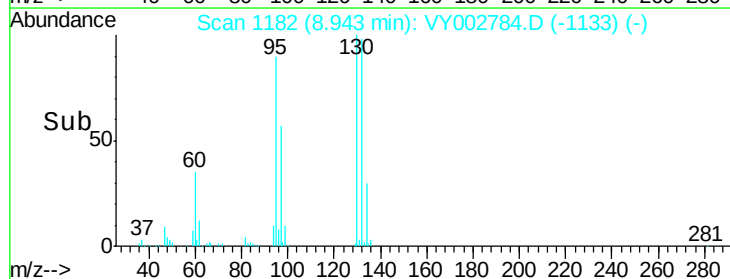
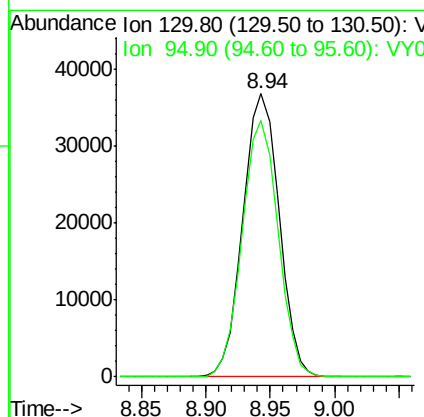
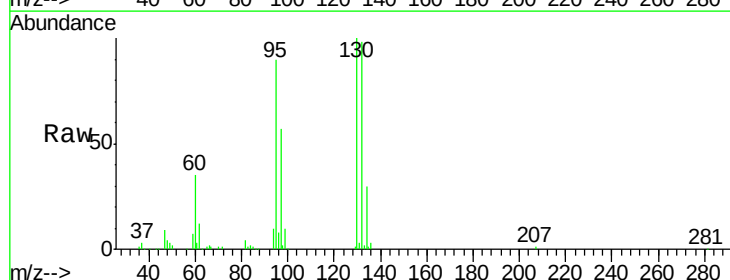
RT: 8.94 min Scan# 1182

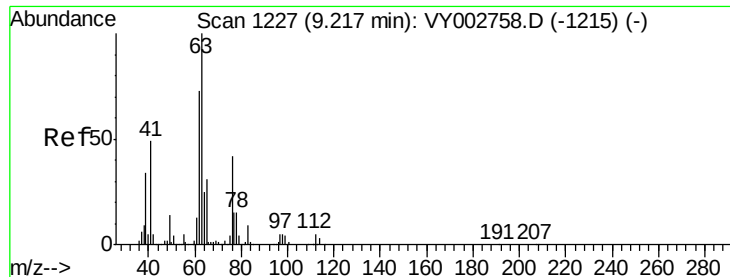
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	130	Resp:	72112
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	178.8





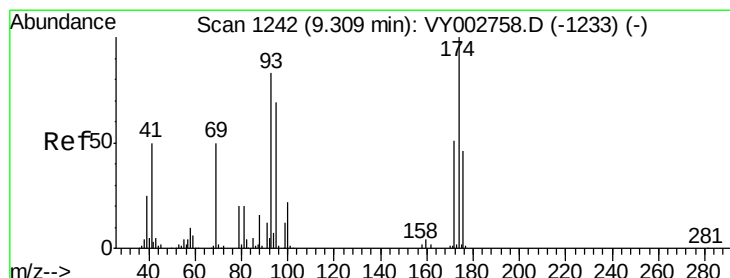
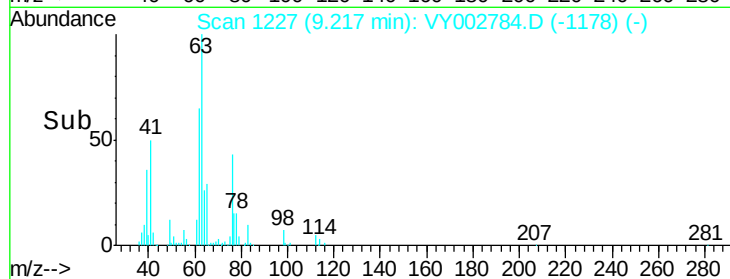
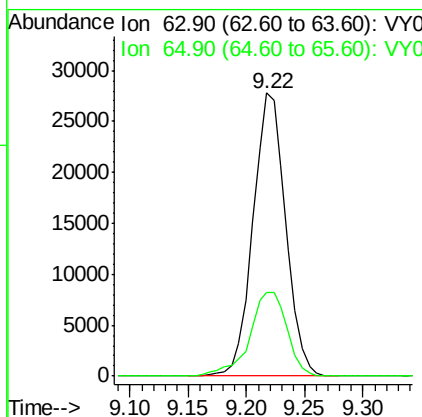
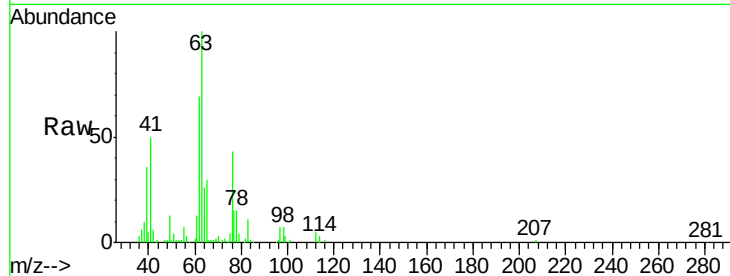
#45
 1,2-Dichloropropane
 Concen: 20.585 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.8	37.2

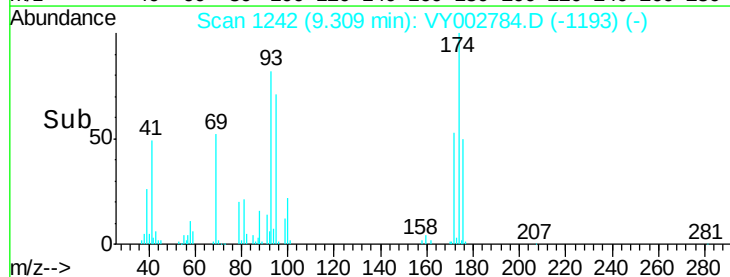
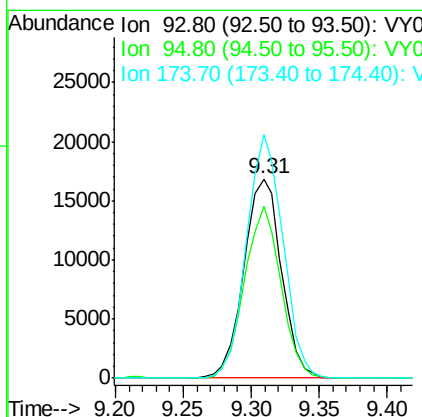
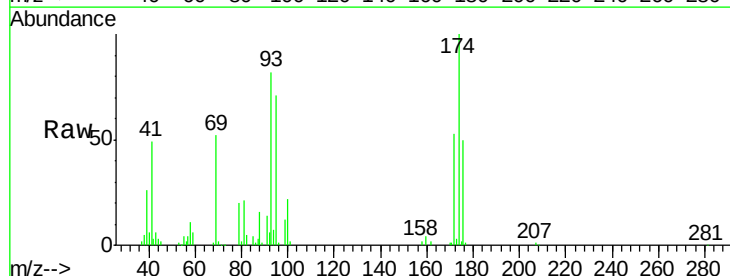
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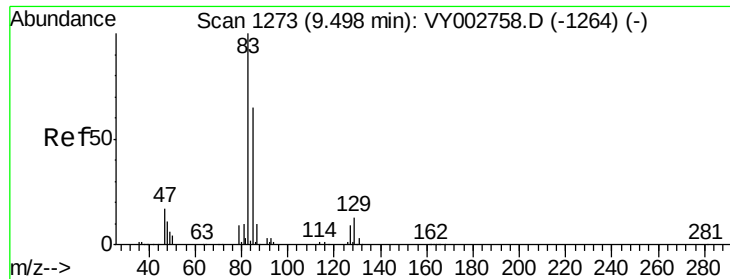
MMDadoda
 5/29/2020 10:57:07 AM



#46
 Dibromomethane
 Concen: 20.814 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.9	100.3
174	118.5	97.7	146.5





#47

Bromodichloromethane

Concen: 20.590 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

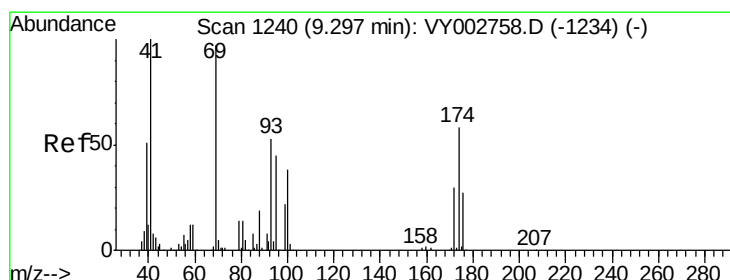
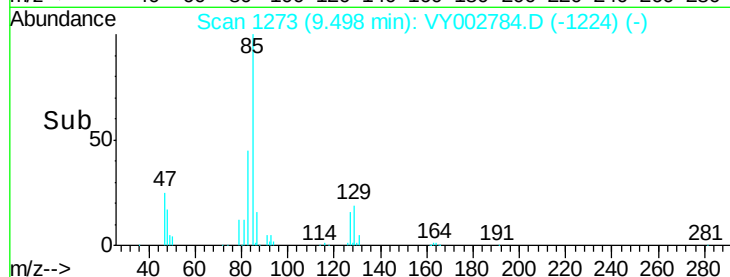
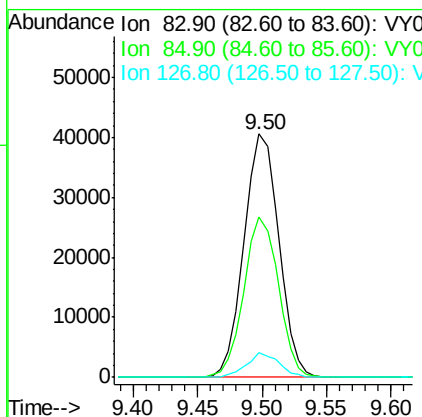
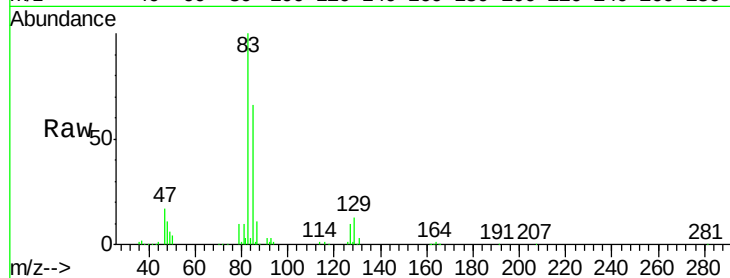
ClientSampleId :

VY0528SBS01

Tot Ion:	83	Resp:	76126
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.9	77.9
127	10.3	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:07 AM



#48

Methyl methacrylate

Concen: 20.041 ug/l

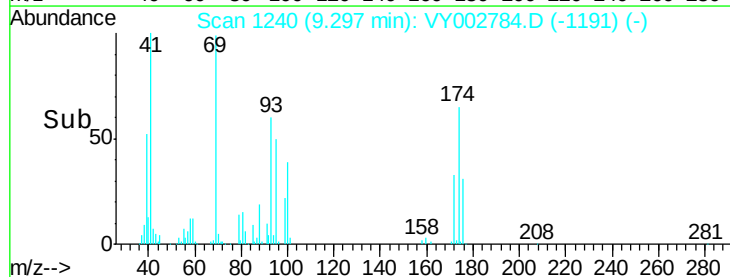
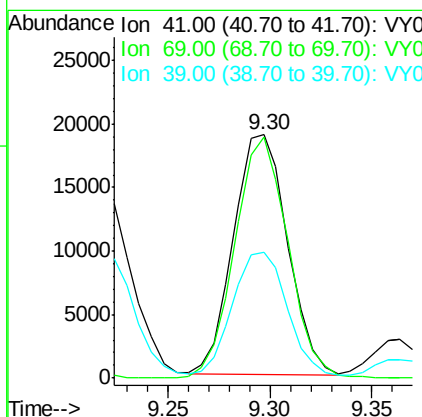
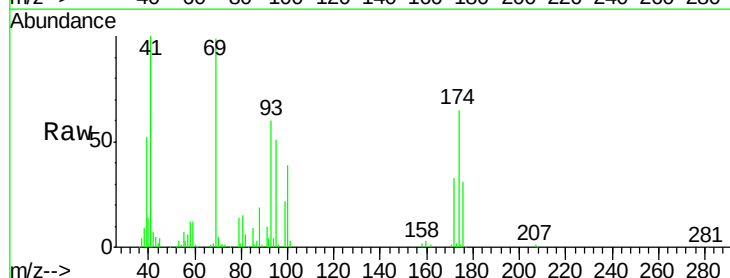
RT: 9.30 min Scan# 1240

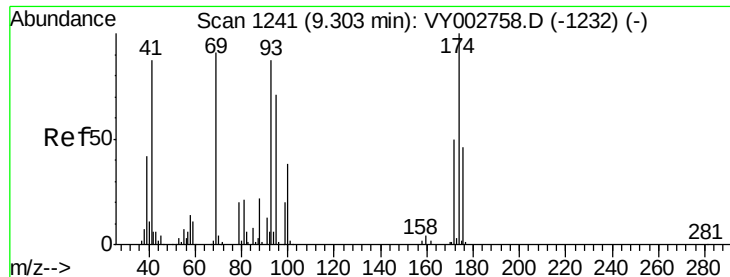
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	41	Resp:	34763
Ion Ratio	Lower	Upper	
41	100		
69	98.6	79.7	119.5
39	54.1	43.3	64.9





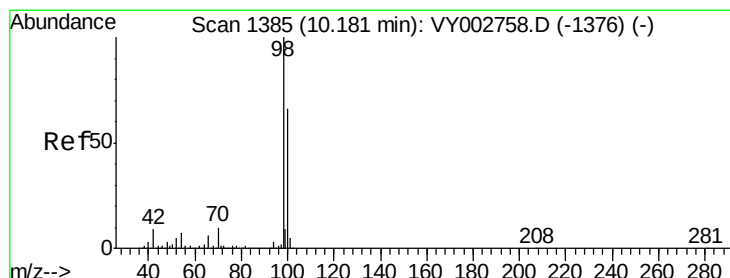
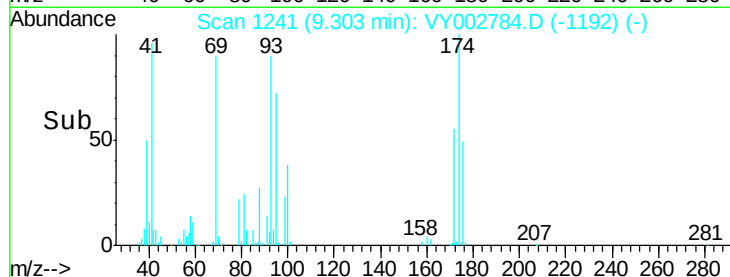
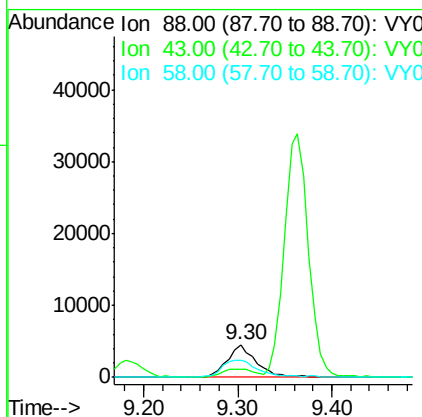
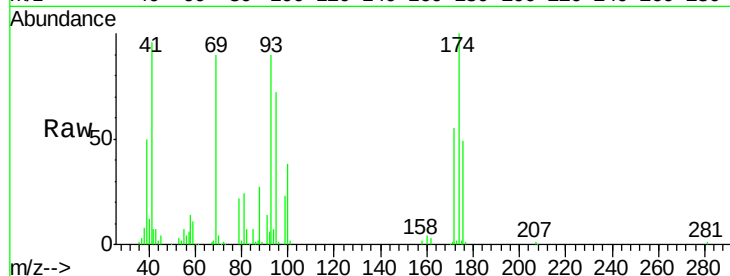
#49
1,4-Dioxane
Concen: 411.326 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	88	Resp	9905
Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.3	31.9
58	66.0	52.2	78.2

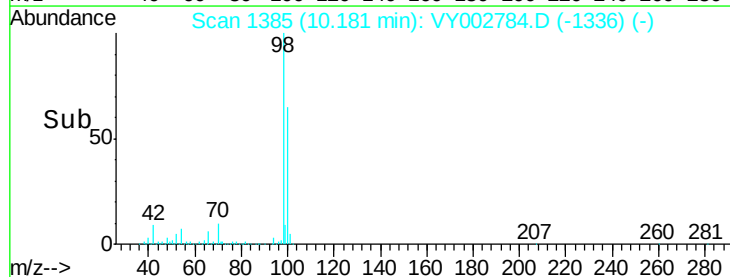
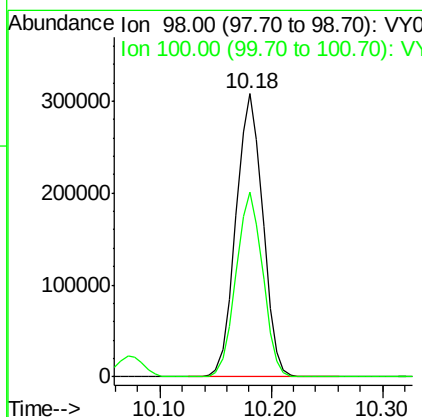
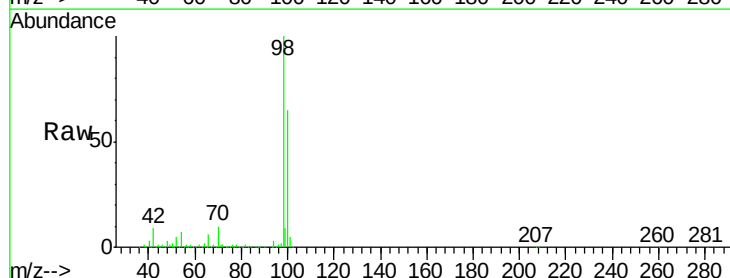
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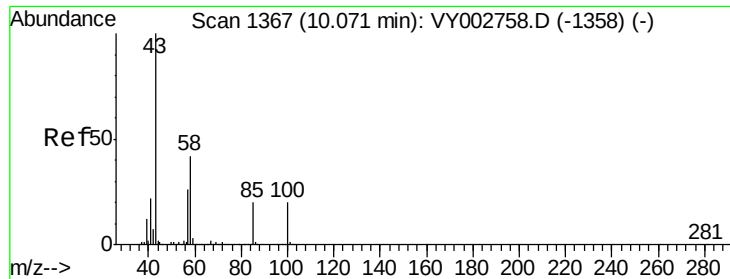
MMDadoda
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#50
Toluene-d8
Concen: 49.152 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	98	Resp	515260
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





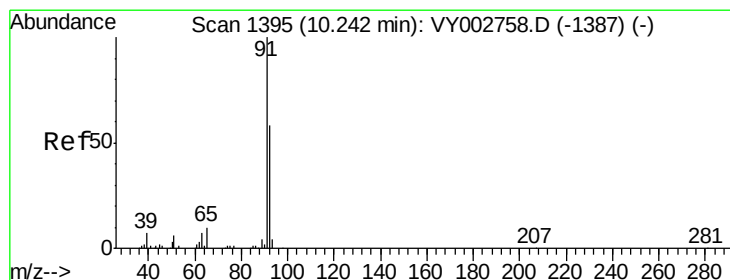
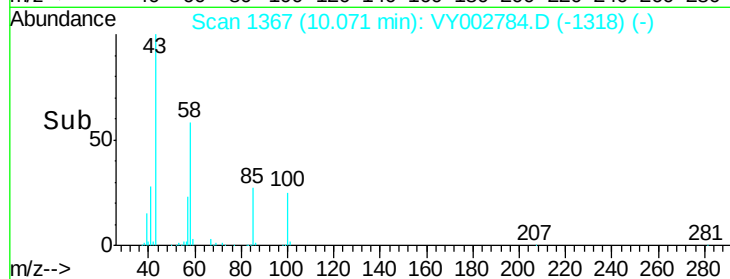
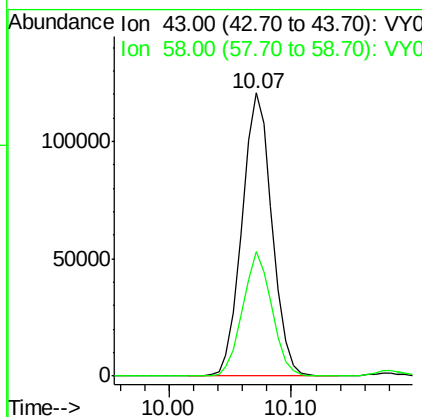
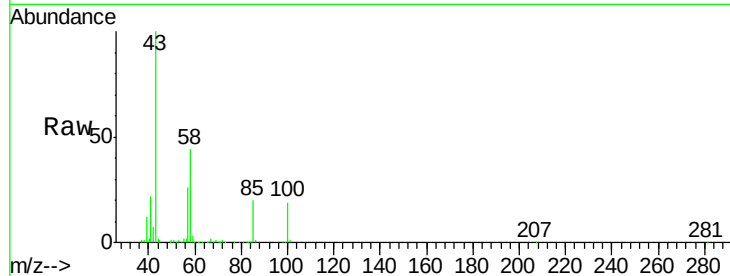
#51
4-Methyl-2-Pentanone
Concen: 100.638 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	43	Resp	204761
Ion Ratio	100	Lower	Upper
43	100		
58	42.7	34.2	51.2

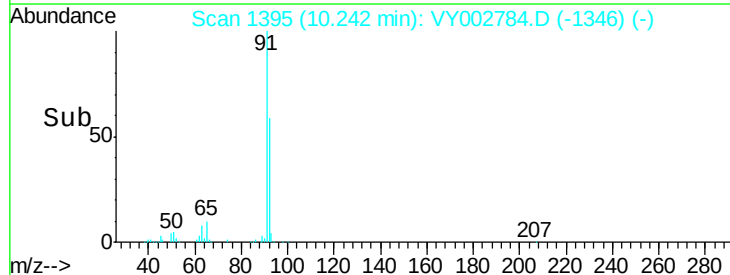
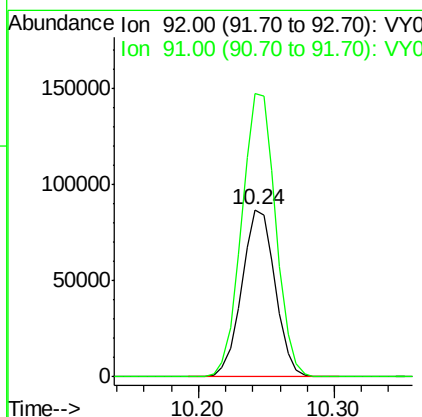
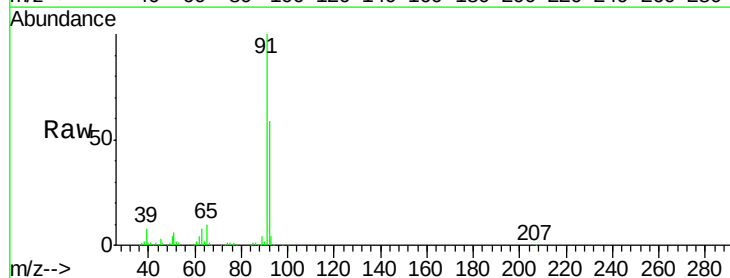
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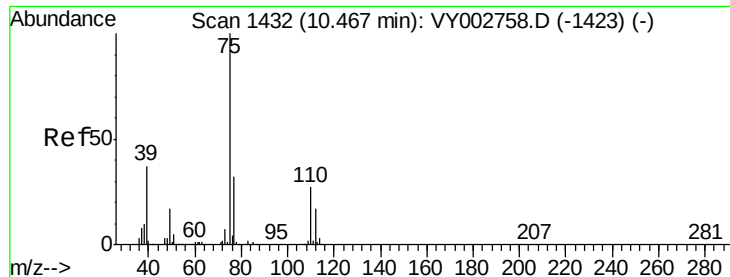
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#52
Toluene
Concen: 20.628 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	92	Resp	148598	
Ion Ratio	92	100	Lower	Upper
91	173.2	138.5	207.7	





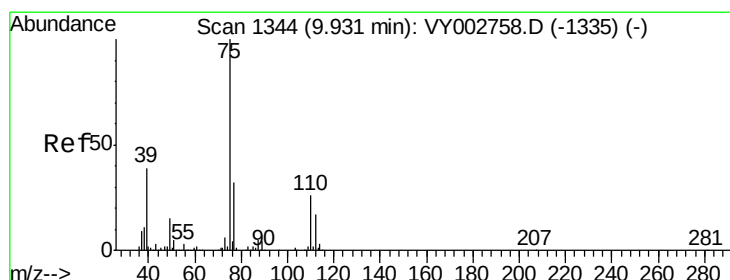
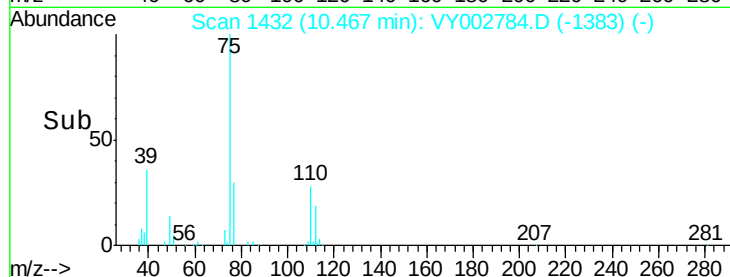
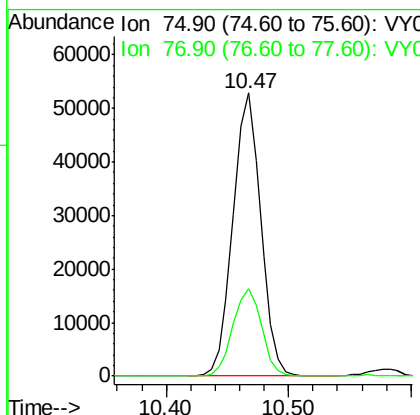
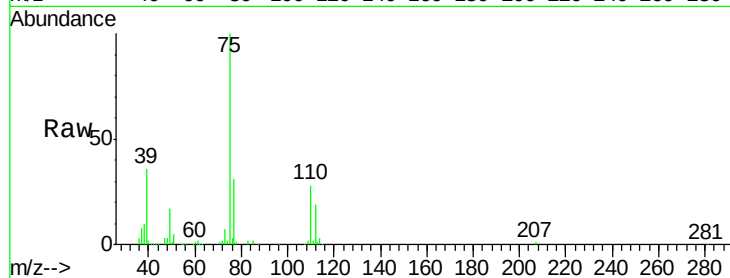
#53
t-1,3-Dichloropropene
Concen: 20.590 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9

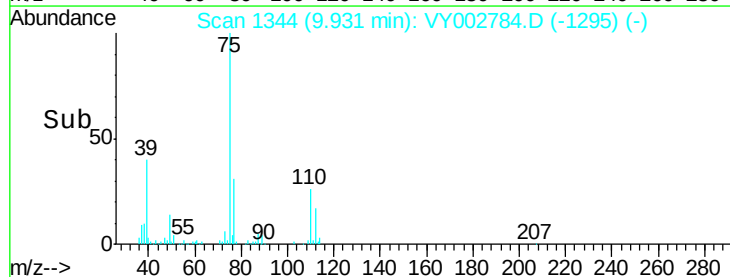
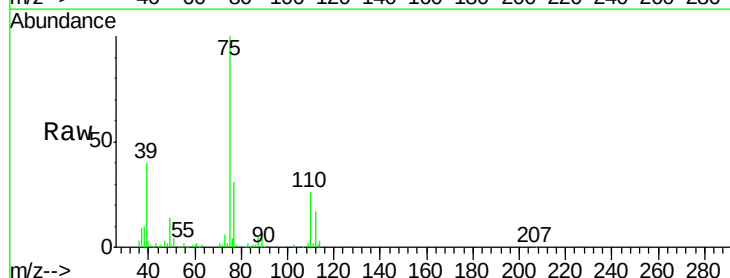
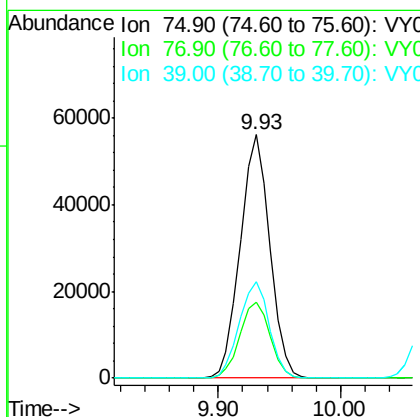
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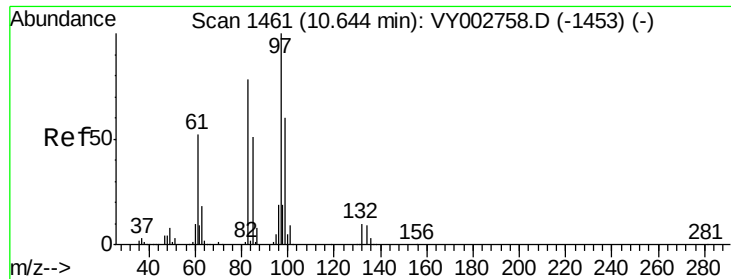
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.556 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	39.6	31.3	46.9





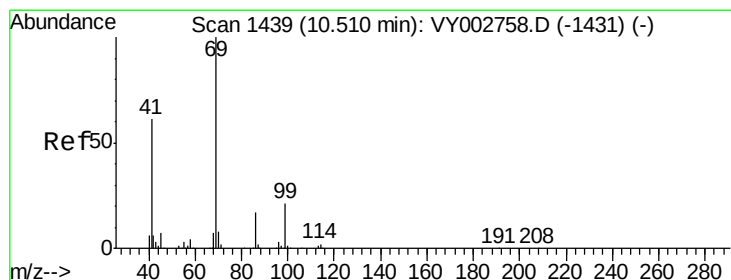
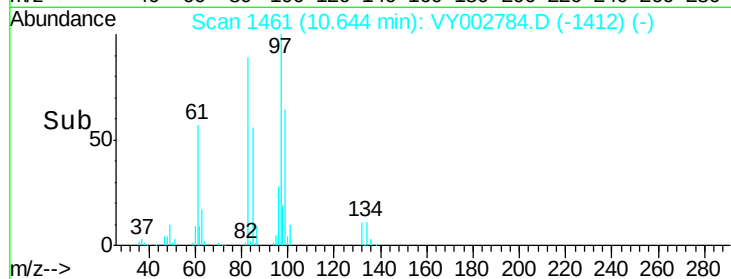
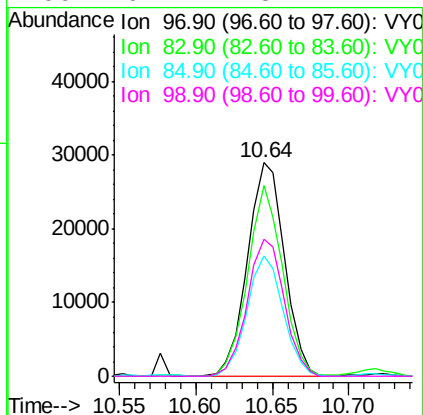
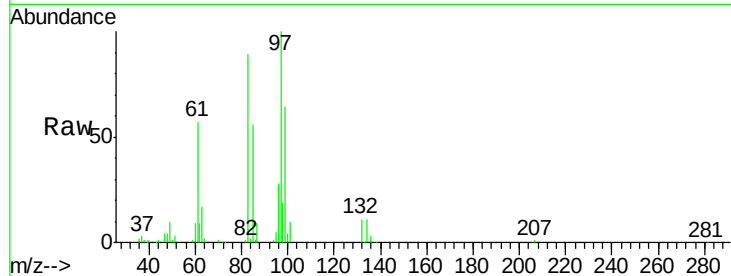
#55
 1,1,2-Trichloroethane
 Concen: 20.371 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48911		
83	89.1	62.7	94.1		
85	56.2	40.6	60.8		
99	64.2	48.2	72.4		

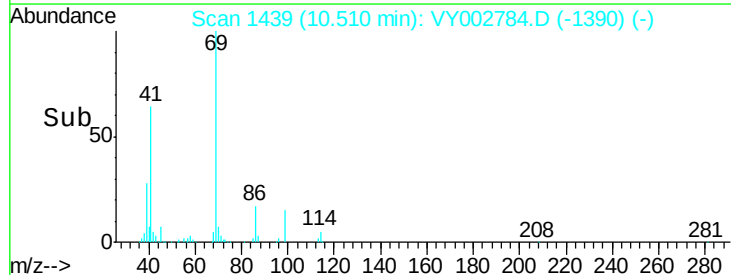
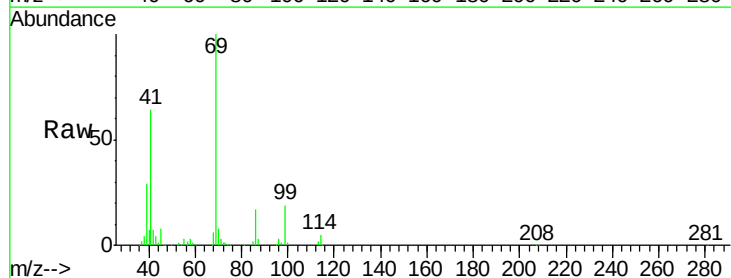
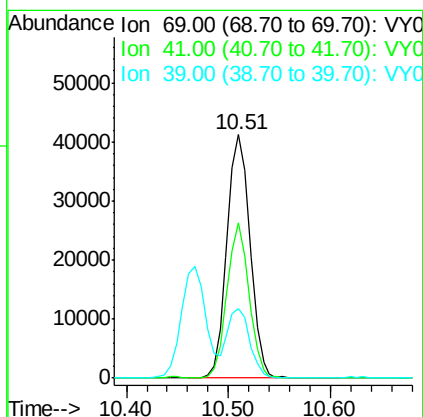
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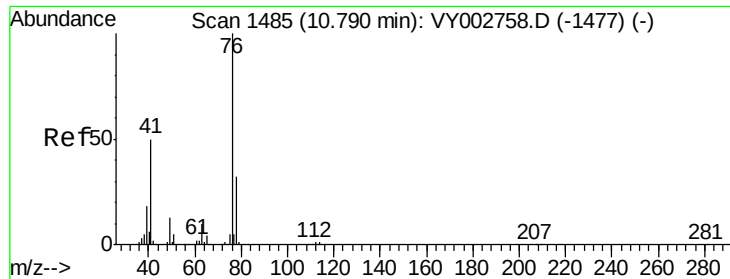
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#56
 Ethyl methacrylate
 Concen: 20.156 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64821		
41	59.5	47.0	70.4		
39	27.4	22.0	33.0		





#57

1,3-Dichloropropane

Concen: 20.435 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 76 Resp: 80702

Ion Ratio Lower Upper

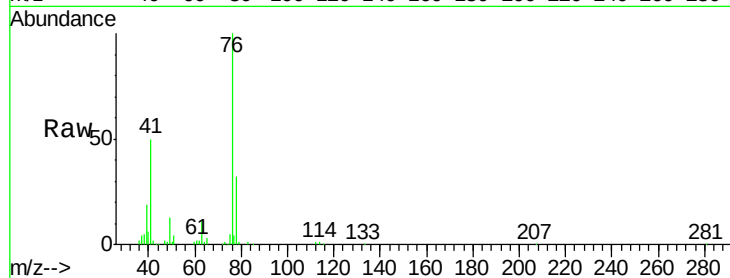
76 100

78 32.9 26.1 39.1

Manual Integrations
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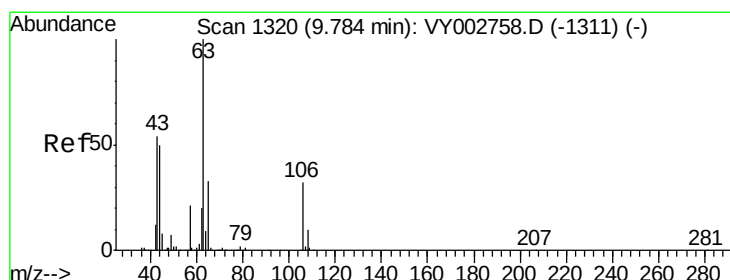
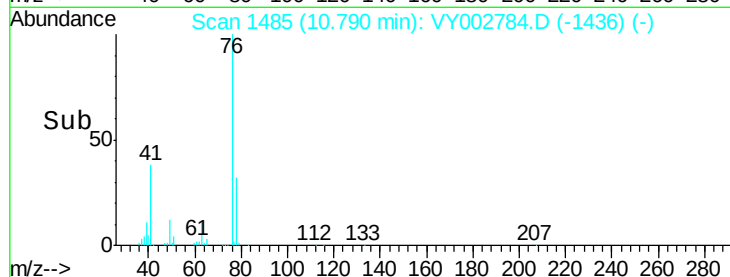
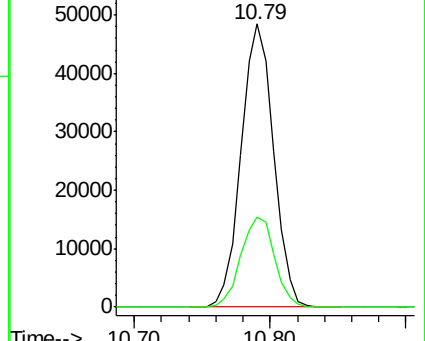
MMDadoda

5/29/2020 10:57:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 100.924 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002784.D

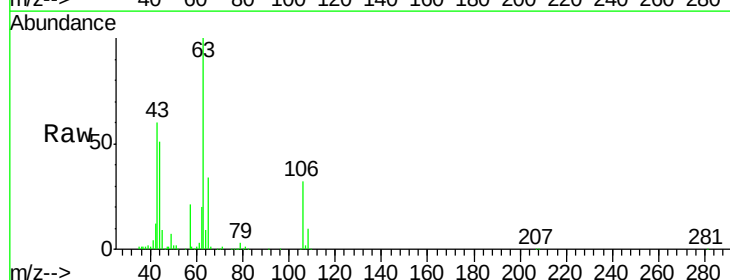
Acq: 28 May 2020 11:45

Tgt Ion: 63 Resp: 158591

Ion Ratio Lower Upper

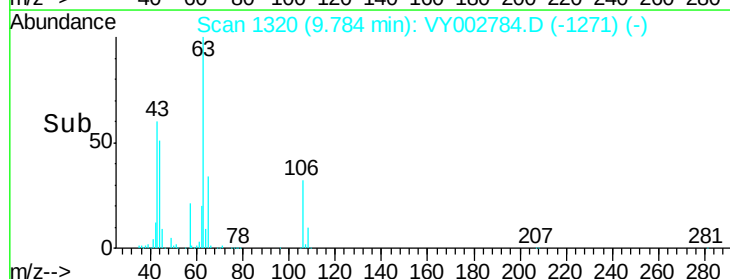
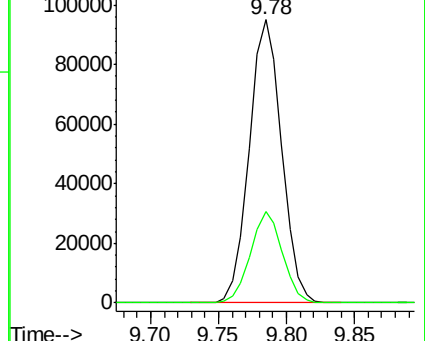
63 100

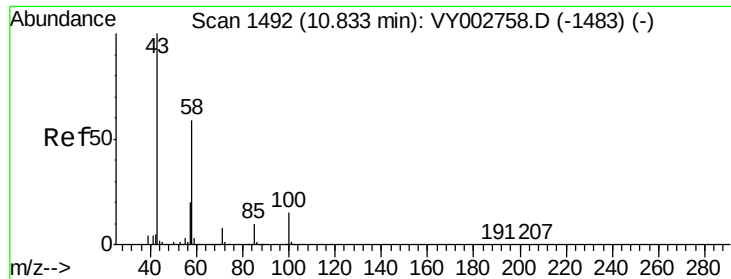
106 31.9 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





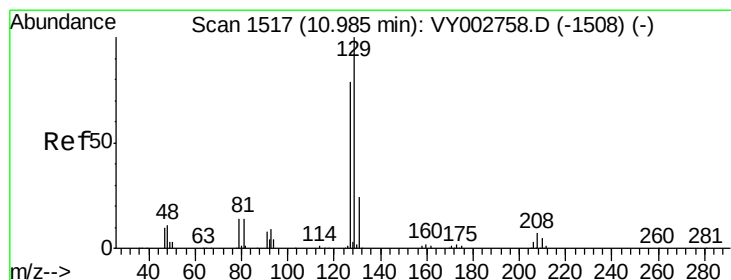
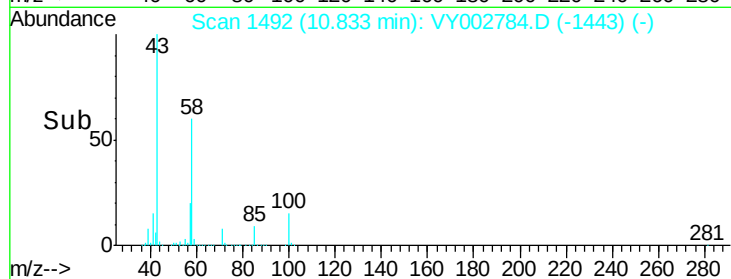
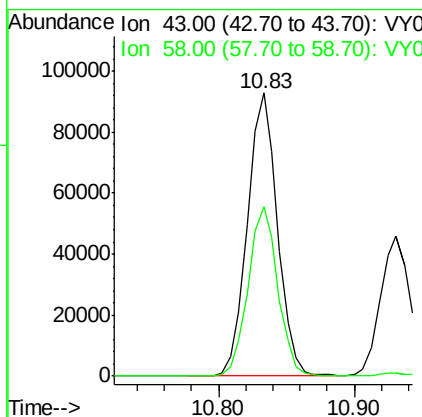
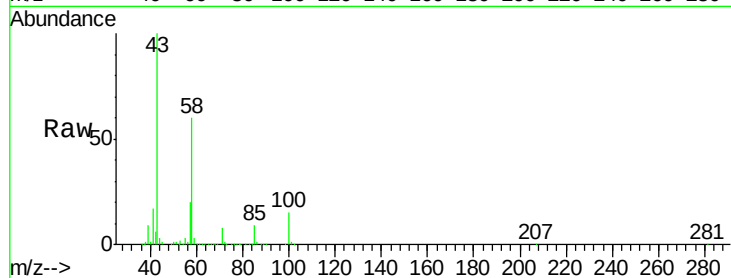
#59
2-Hexanone
Concen: 99.454 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion: 43 Resp: 143573
Ion Ratio Lower Upper
43 100
58 59.2 29.5 88.5

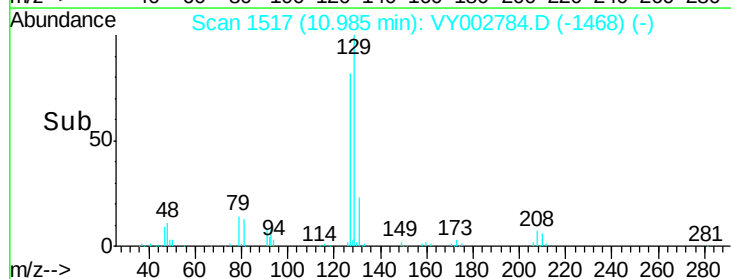
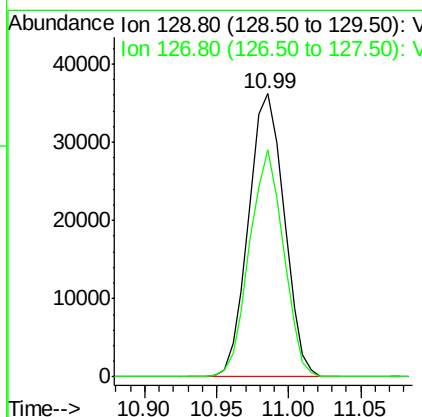
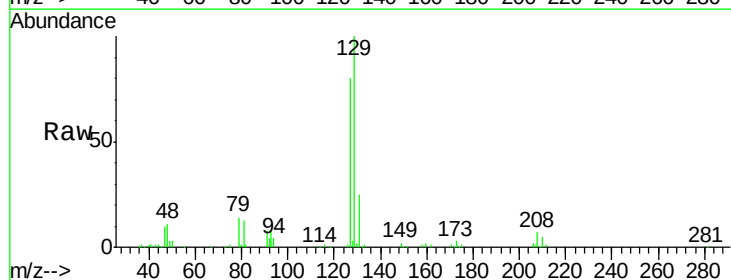
Manual Integrations
APPROVED

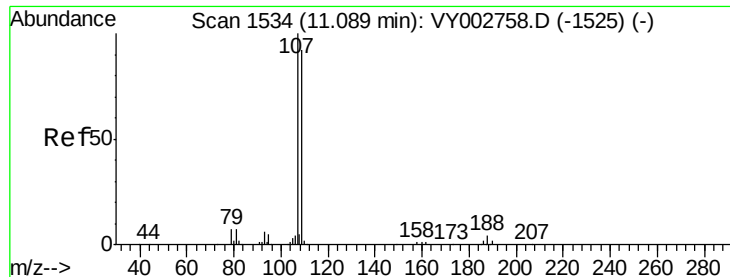
MMDadoda
5/29/2020 10:57:07 AM



#60
Dibromochloromethane
Concen: 20.404 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion: 129 Resp: 62111
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3





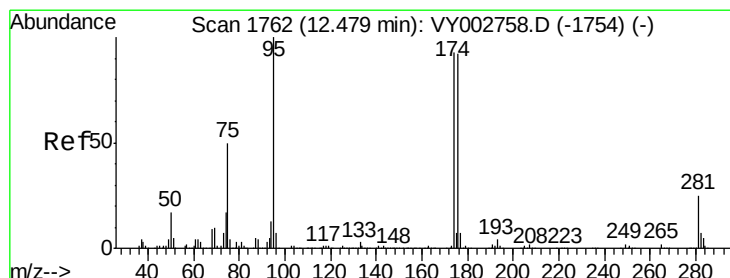
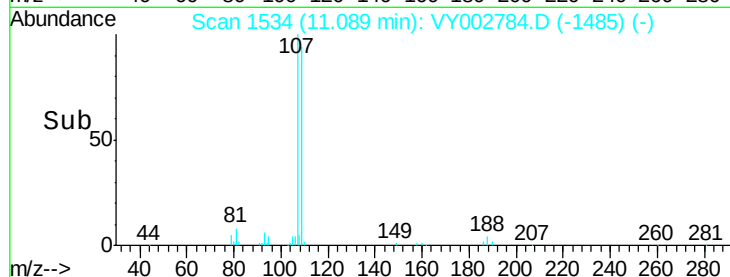
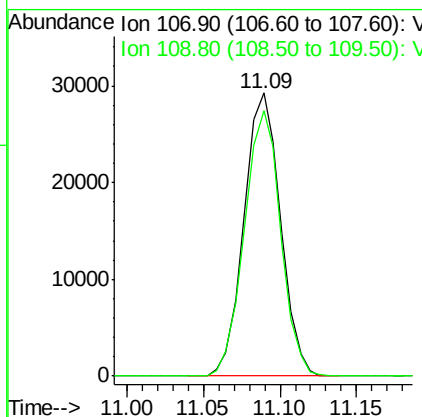
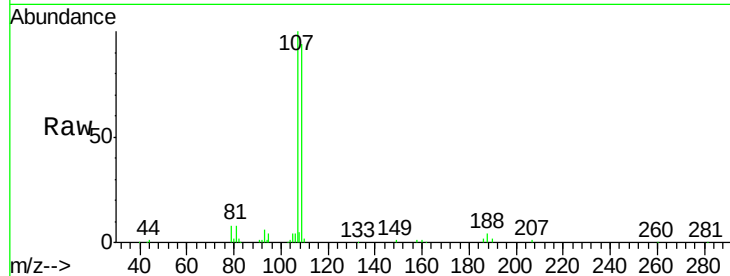
#61
 1,2-Dibromoethane
 Concen: 20.521 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion: 107 Resp: 48603
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.6 113.4

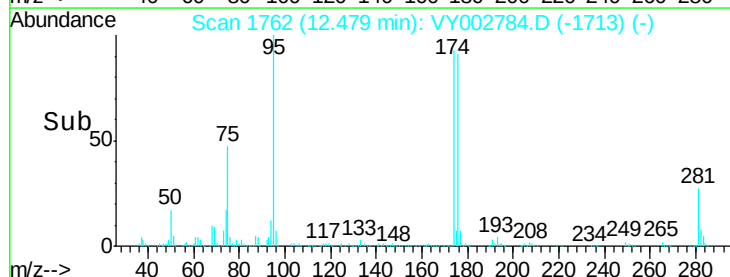
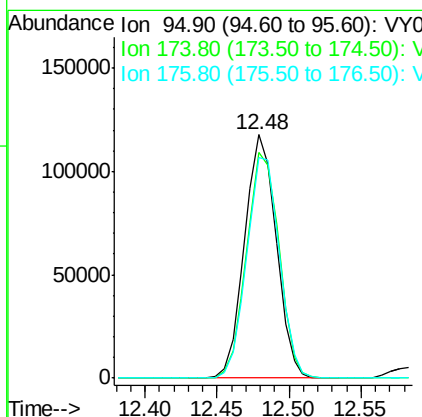
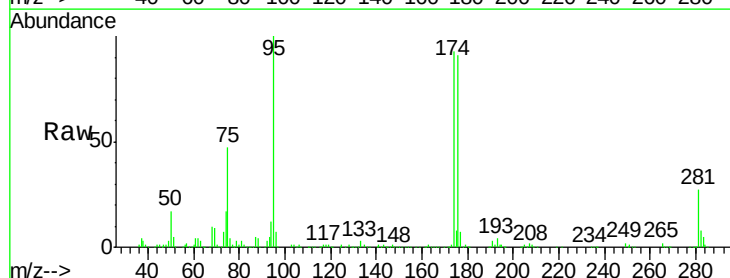
Manual Integrations
 APPROVED

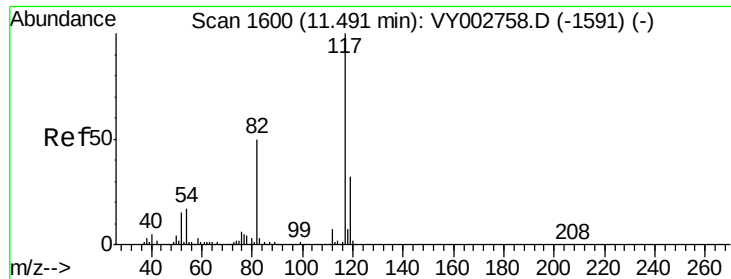
MMDadoda
 5/29/2020 10:57:07 AM



#62
 4-Bromofluorobenzene
 Concen: 50.019 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion: 95 Resp: 179199
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 191.2
 176 93.2 0.0 188.8





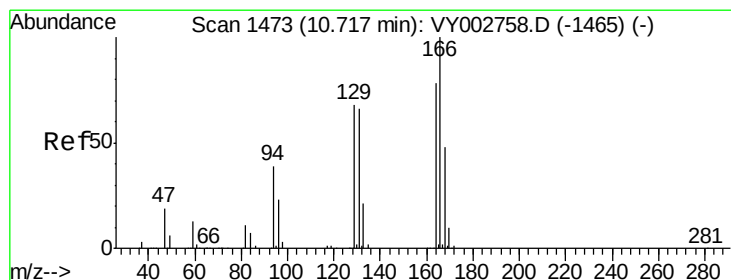
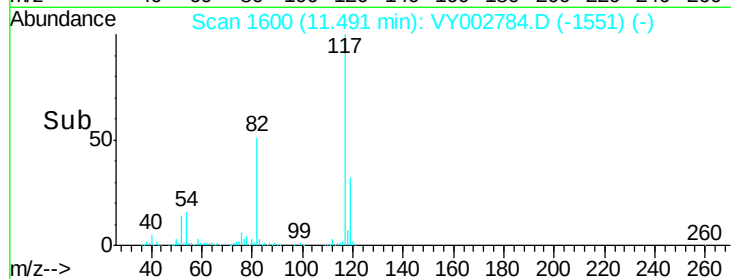
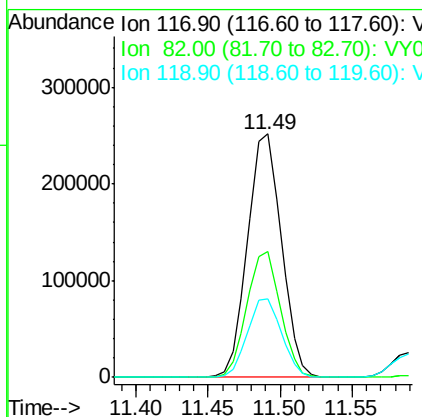
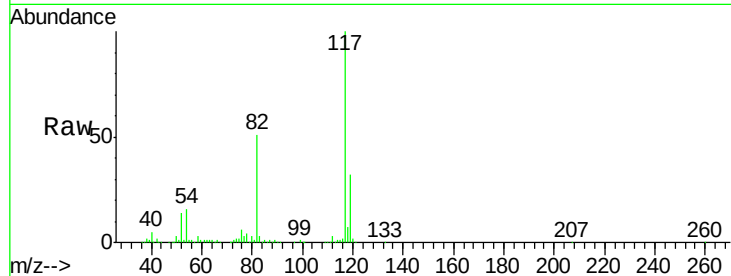
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.2	60.4
119	32.4	25.8	38.8

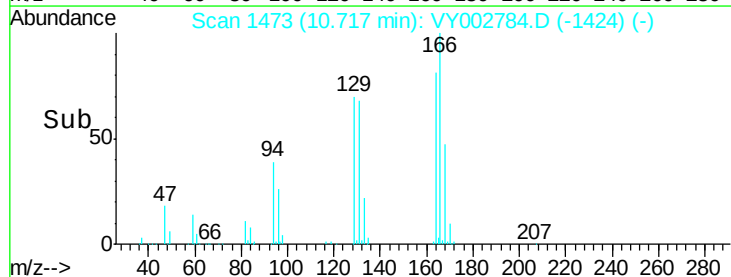
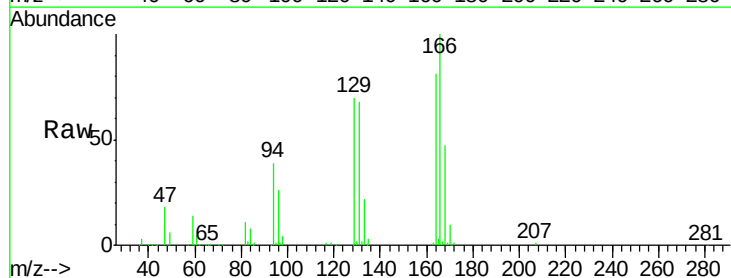
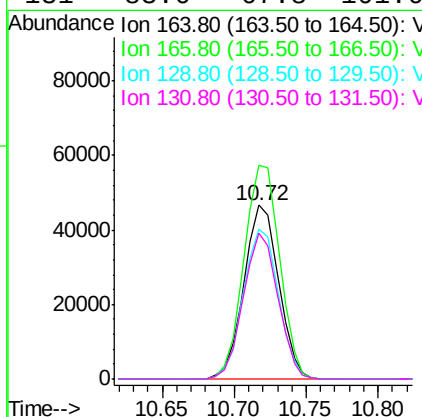
Manual Integrations
APPROVED

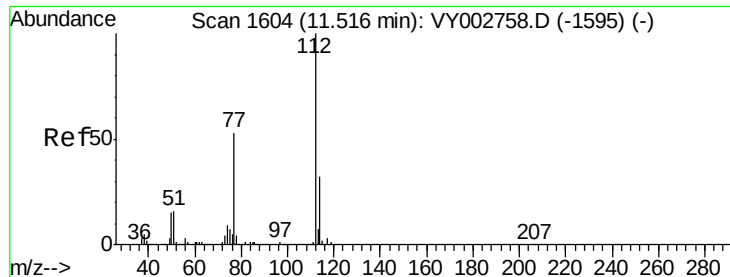
MMDadoda
5/29/2020 10:57:07 AM



#64
Tetrachloroethene
Concen: 20.890 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	102.3	153.5
129	86.0	69.4	104.2
131	83.6	67.8	101.6





#65

Chlorobenzene

Concen: 20.470 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion:112 Resp: 166187

Ion Ratio Lower Upper

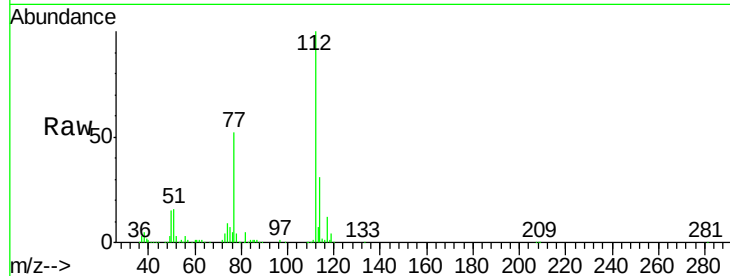
112 100

114 30.8 25.7 38.5

Manual Integrations
APPROVED

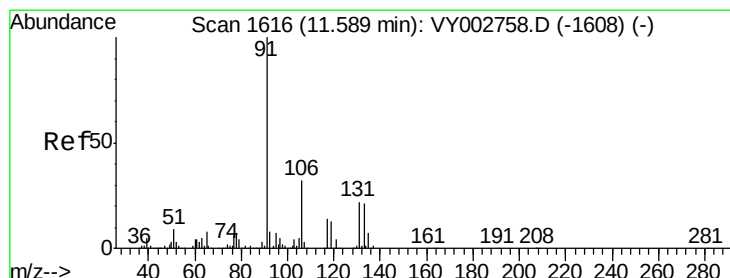
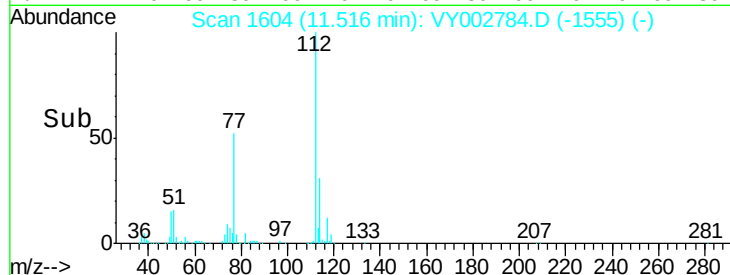
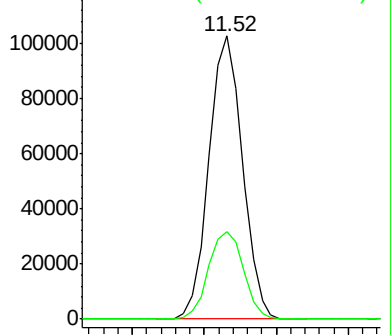
MMDadoda

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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: 20.614 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

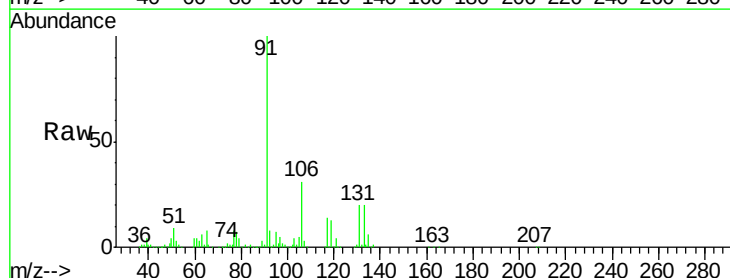
Tgt Ion:131 Resp: 63030

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

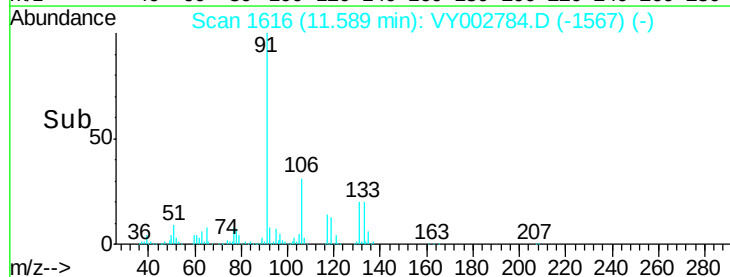
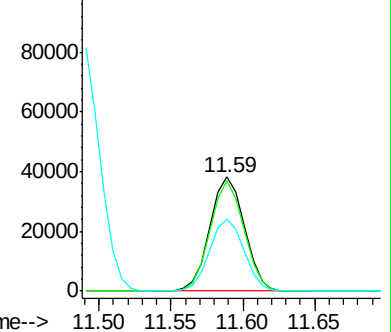
119 63.1 31.7 95.1

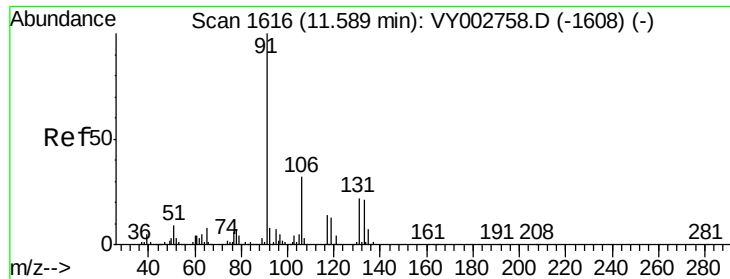


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.691 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 91 Resp: 291220

Ion Ratio Lower Upper

91 100

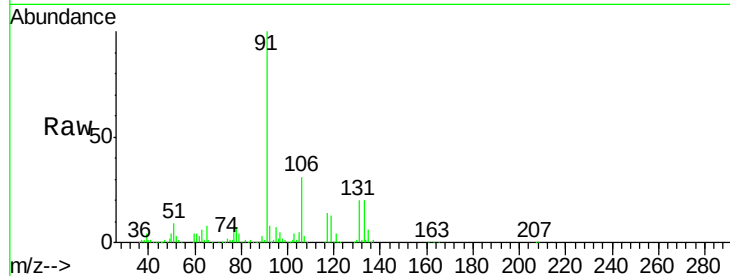
106 30.5 25.7 38.5

Manual Integrations

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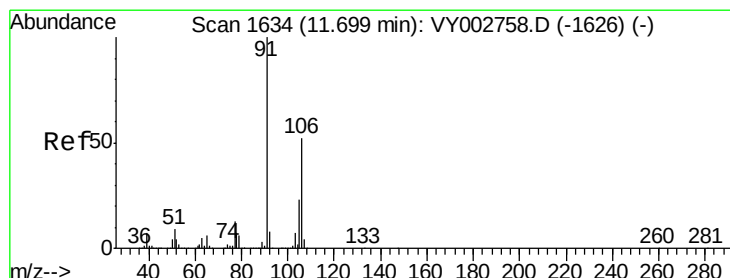
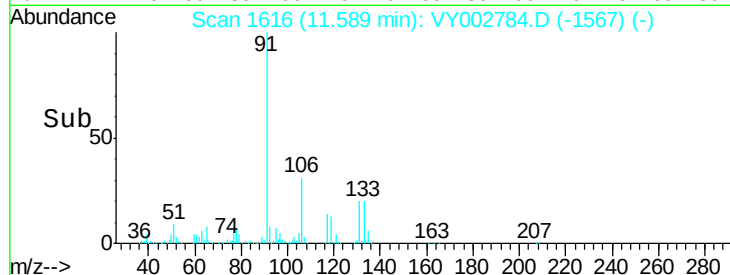
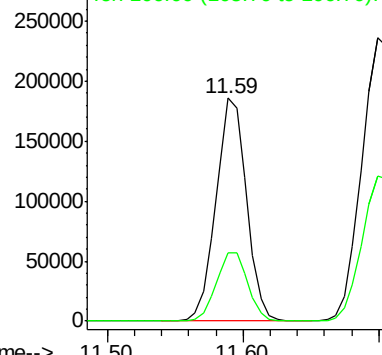
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.360 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002784.D

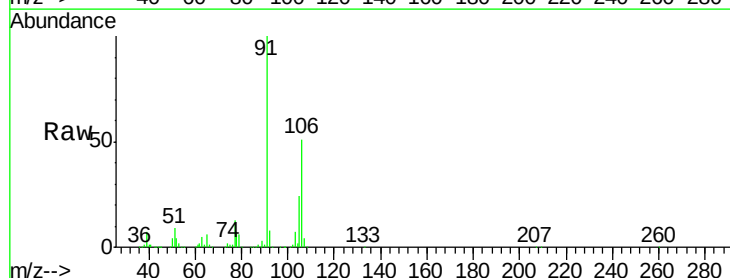
Acq: 28 May 2020 11:45

Tgt Ion: 106 Resp: 225696

Ion Ratio Lower Upper

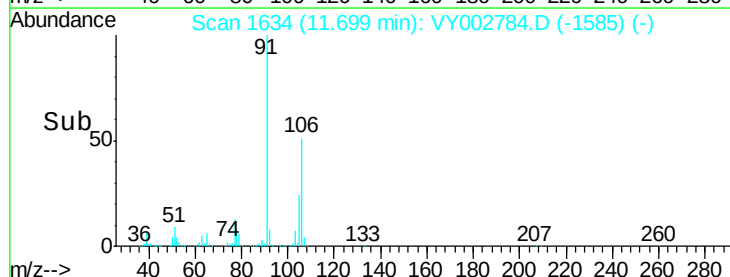
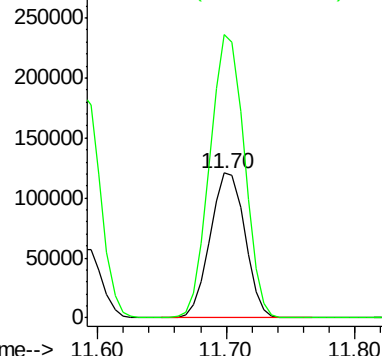
106 100

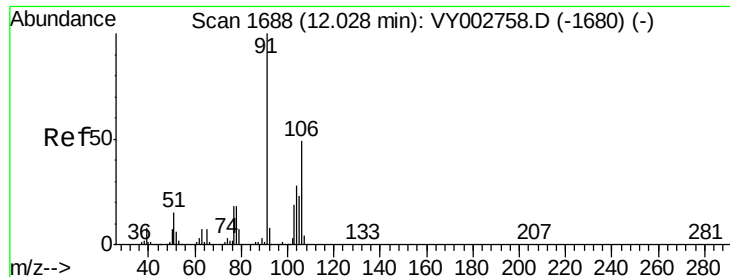
91 194.7 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





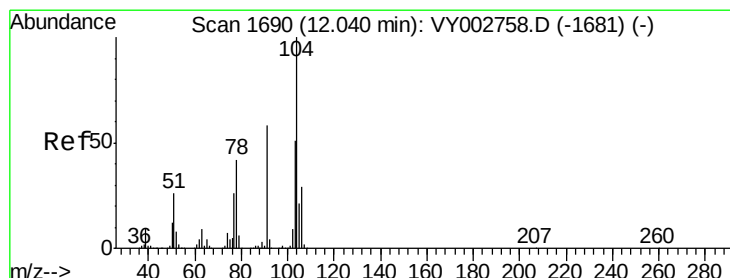
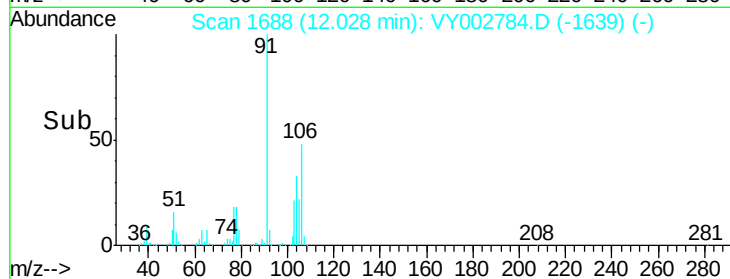
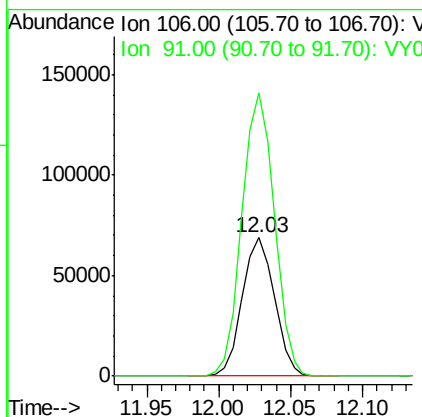
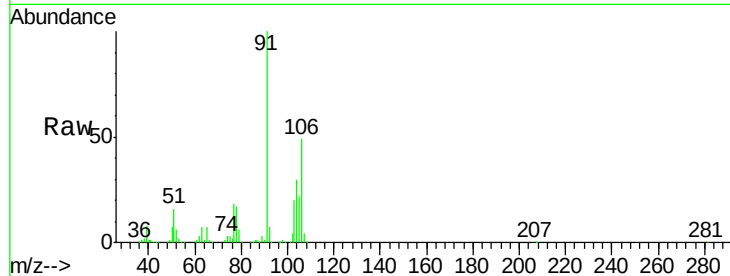
#69
o-Xylene
Concen: 20.809 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	205.5	102.4	307.1

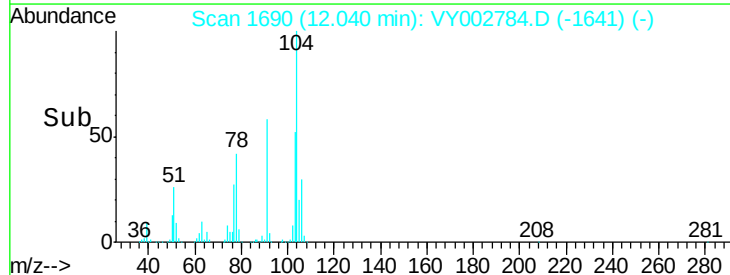
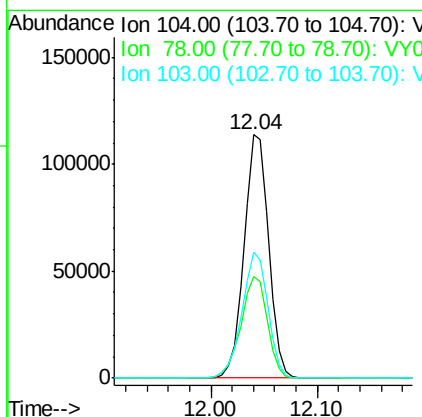
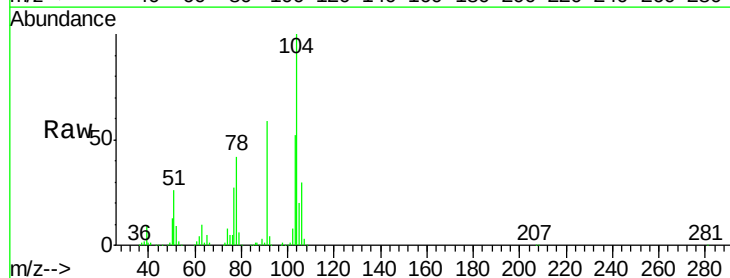
Manual Integrations
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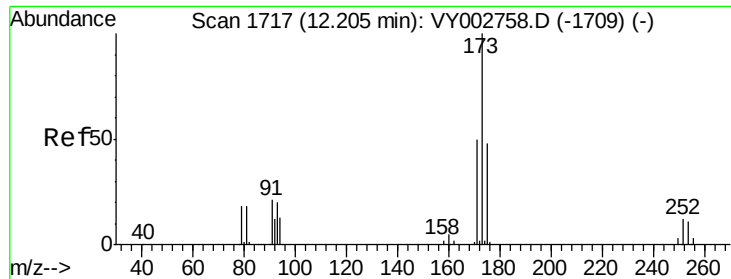
MMDadoda
5/29/2020 10:57:07 AM



#70
Styrene
Concen: 20.627 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.1	36.2	54.4
103	103	54.8	43.6	65.4





#71

Bromoform

Concen: 20.642 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion:173 Resp: 42232

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

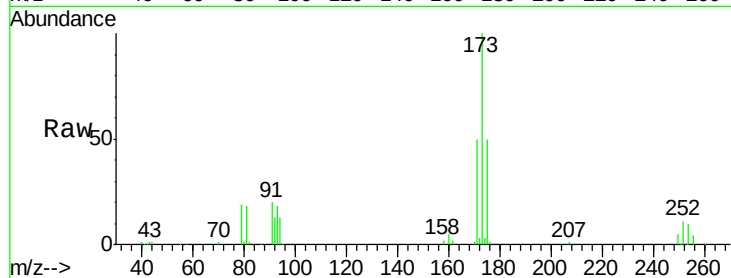
254 0.0 0.1 0.1#

Manual Integrations

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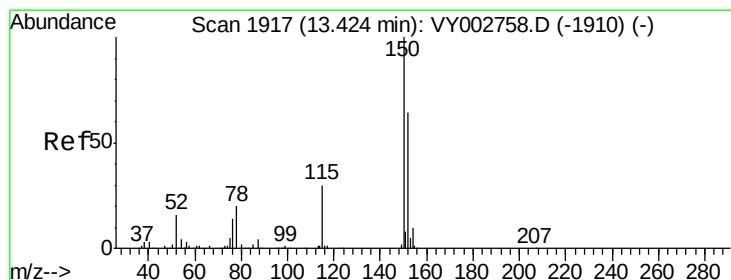
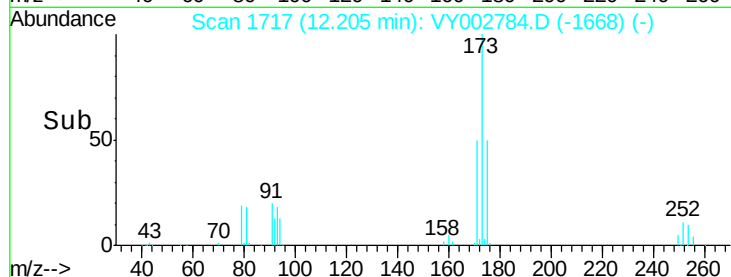
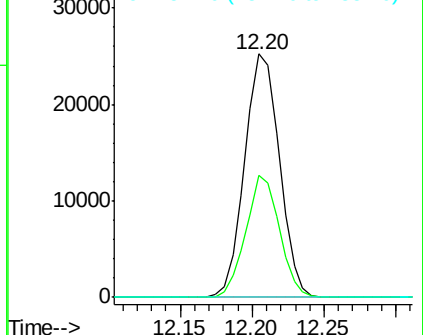
5/29/2020 10:57:07 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

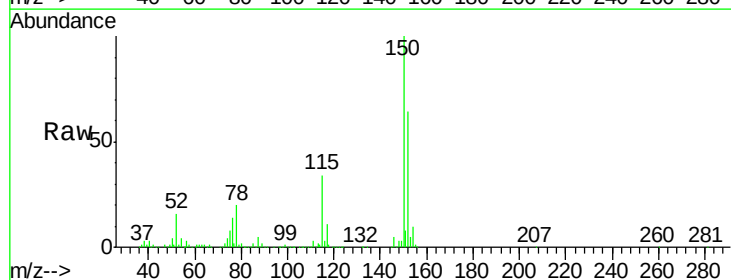
Tgt Ion:152 Resp: 224920

Ion Ratio Lower Upper

152 100

115 53.6 27.0 81.0

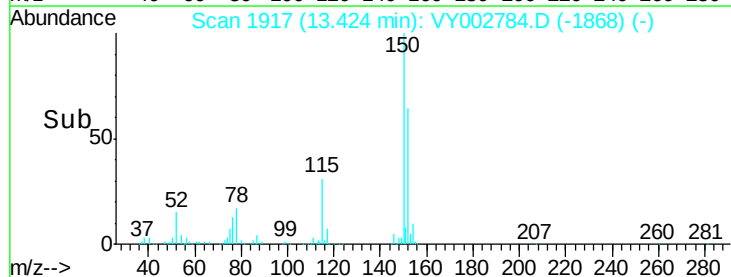
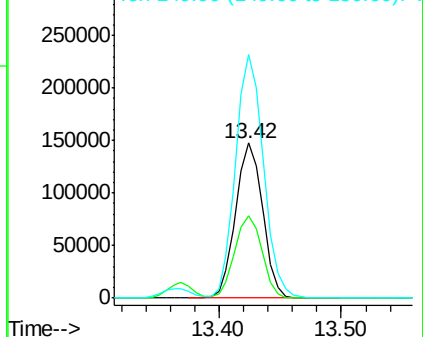
150 162.4 0.0 344.8

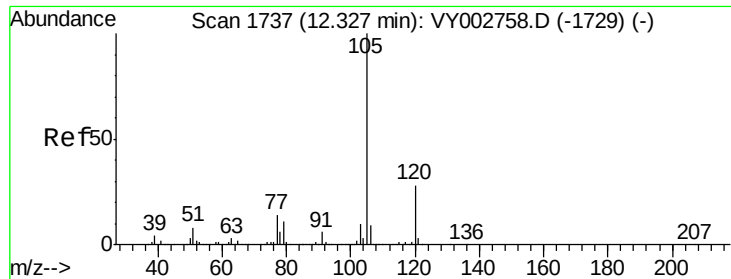


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





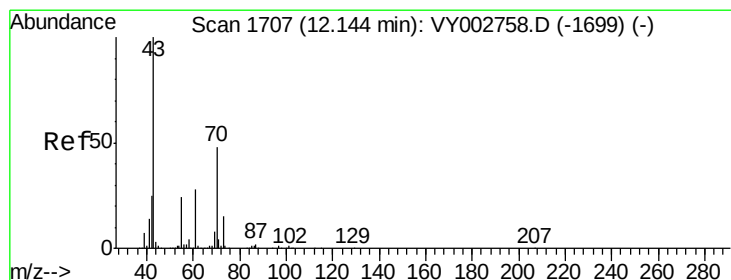
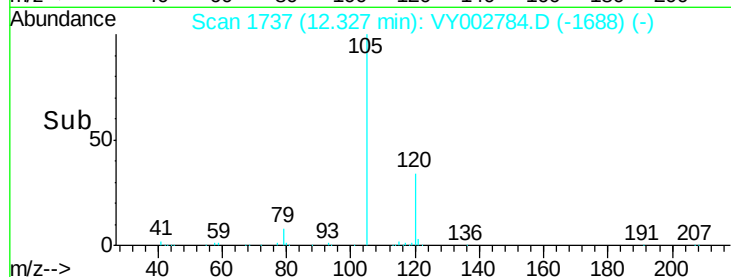
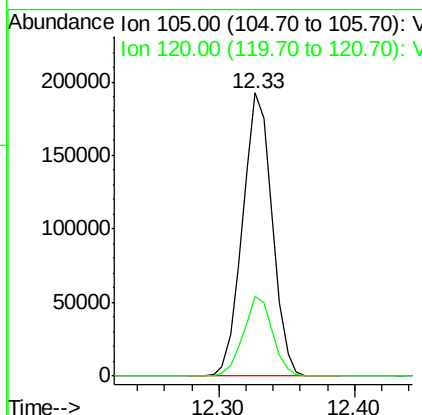
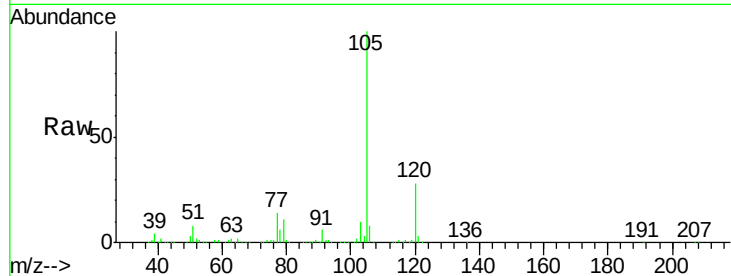
#73
Isopropylbenzene
Concen: 20.288 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.7	41.1

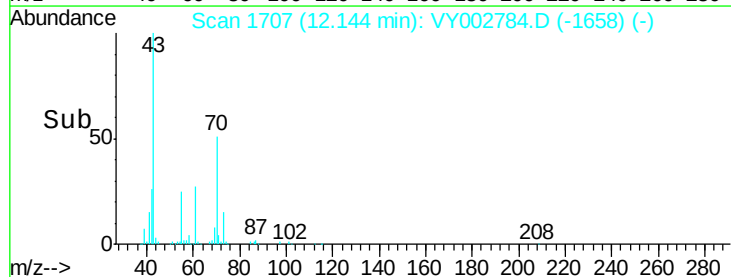
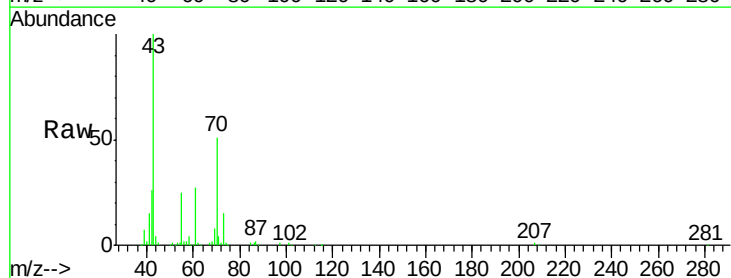
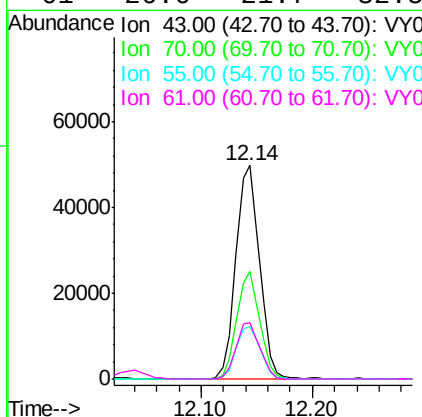
Manual Integrations
APPROVED

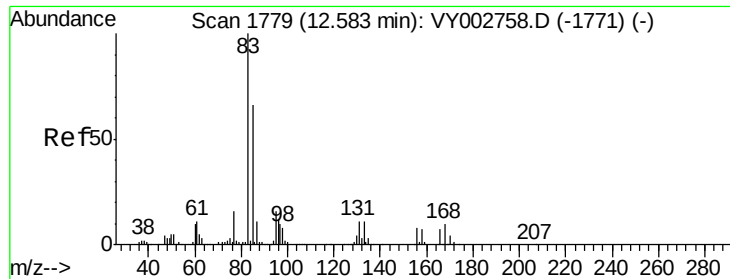
MMDadoda
5/29/2020 10:57:07 AM



#74
N-ethyl acetate
Concen: 19.788 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.7	37.7	56.5
55	25.0	19.8	29.6
61	26.6	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.122 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

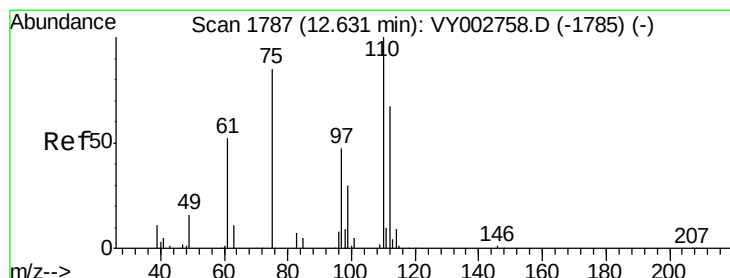
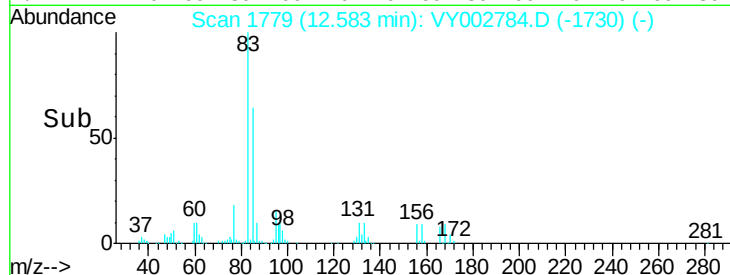
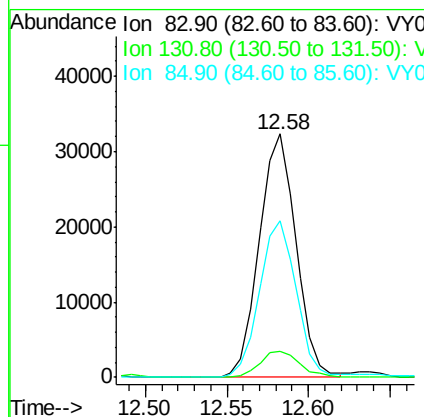
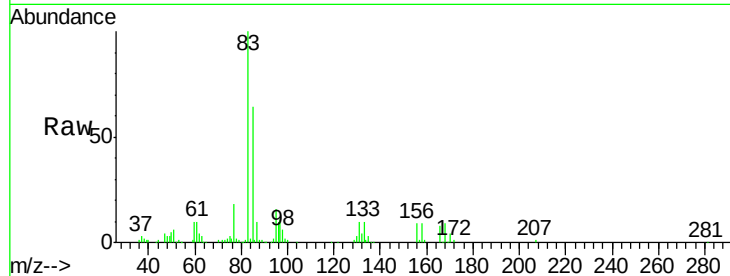
ClientSampleId :

VY0528SBS01

Tot Ion:	83	Resp:	50889
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.1	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:07 AM



#76

1,2,3-Trichloropropane

Concen: 20.164 ug/l m

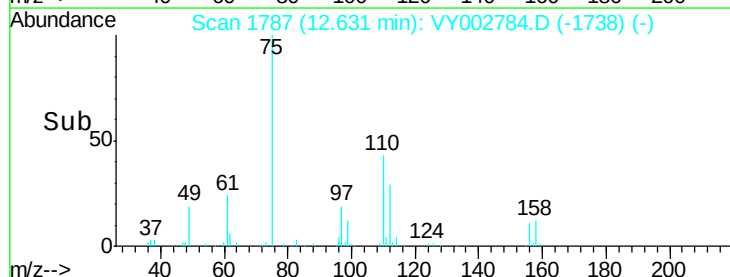
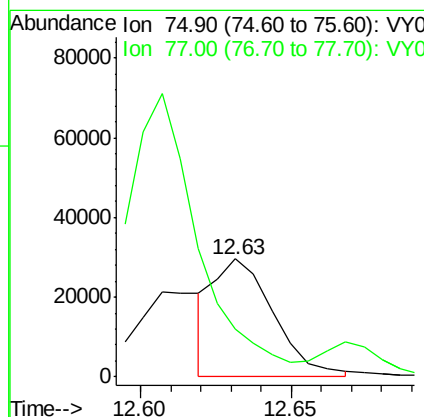
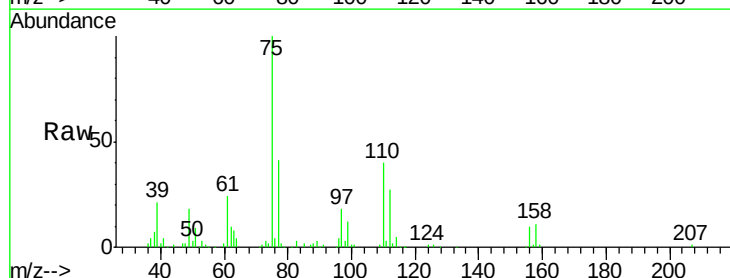
RT: 12.63 min Scan# 1787

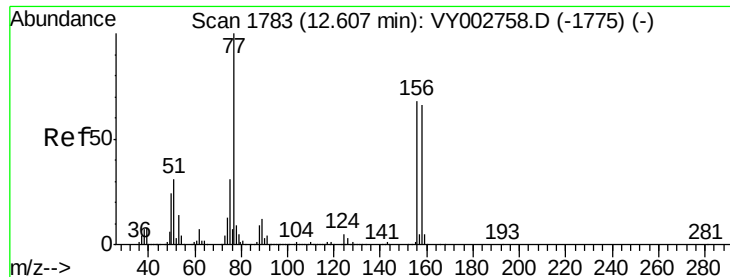
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	75	Resp:	40866
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.180 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

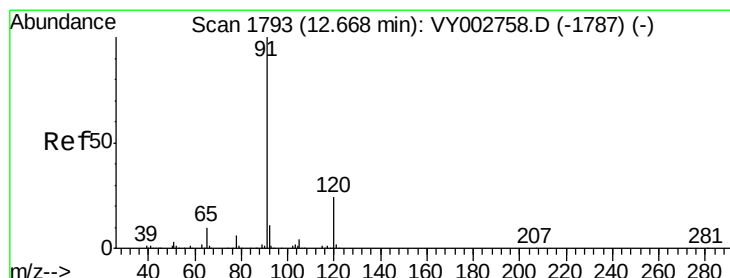
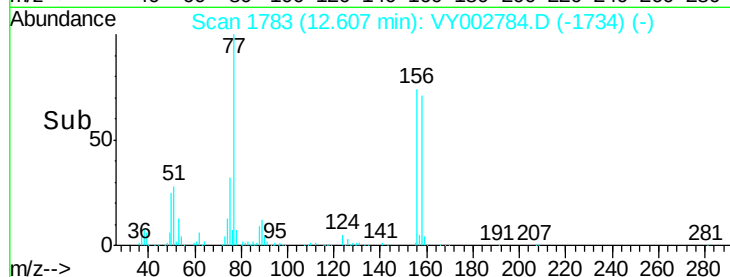
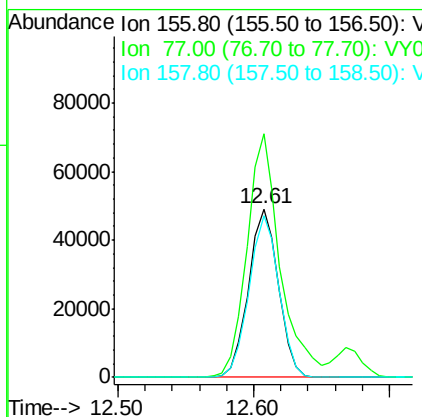
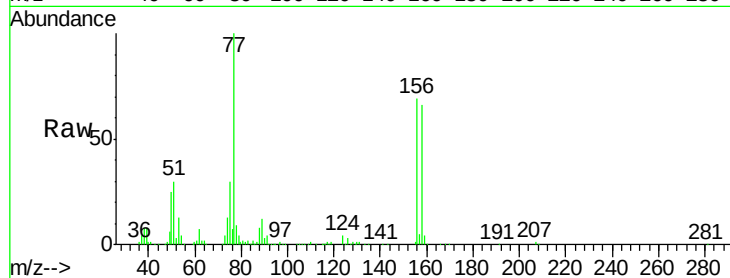
ClientSampleId :

VY0528SBS01

Tot Ion:	156	Resp:	75740
Ion Ratio	Lower	Upper	
156	100		
77	160.1	81.4	244.2
158	96.4	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.431 ug/l

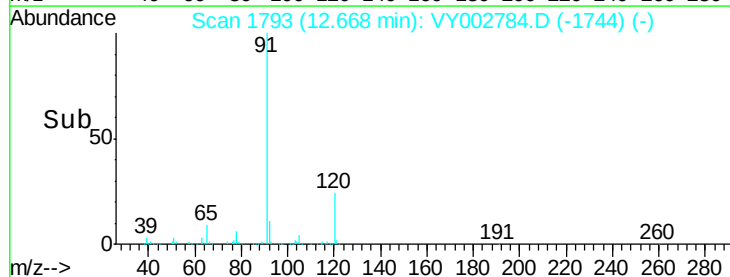
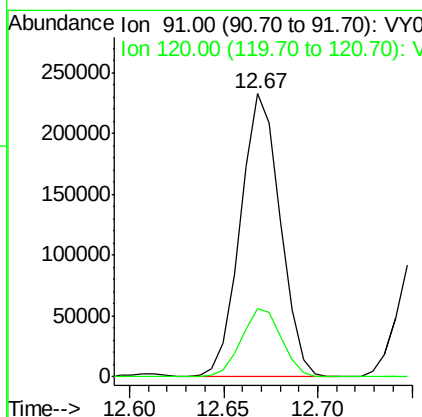
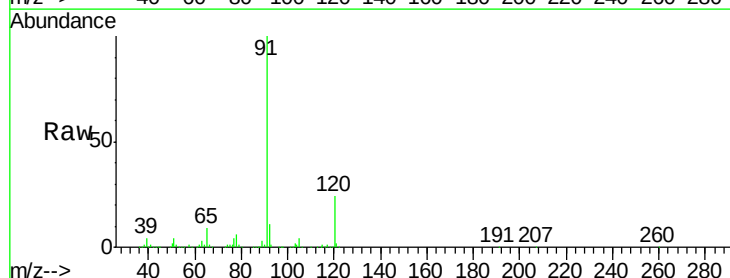
RT: 12.67 min Scan# 1793

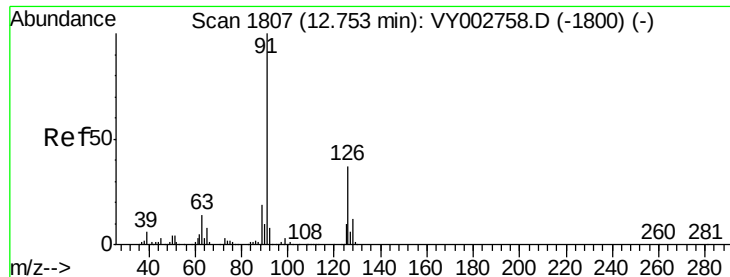
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	91	Resp:	340168
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.210 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion: 91 Resp: 188750

Ion Ratio Lower Upper

91 100

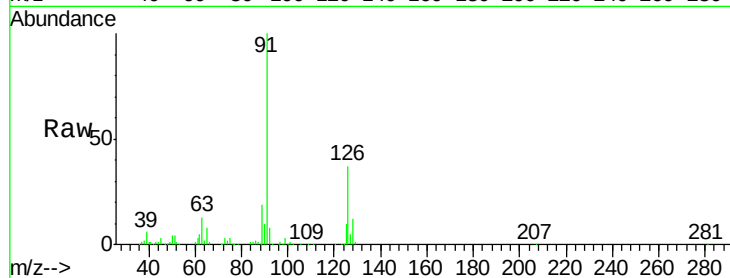
126 37.2 18.4 55.4

Manual Integrations

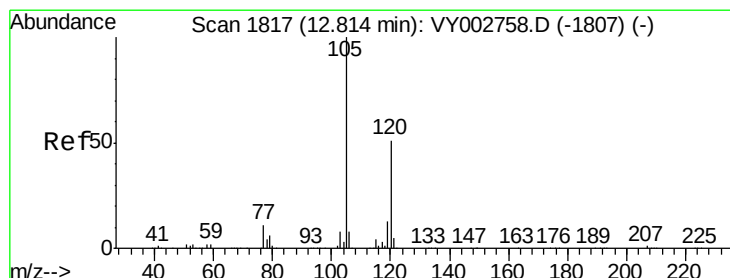
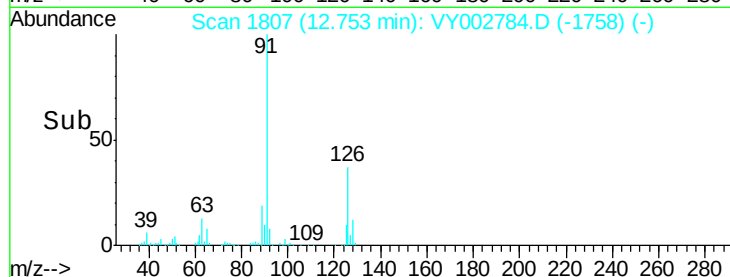
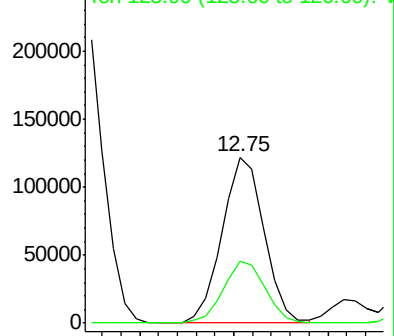
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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.527 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002784.D

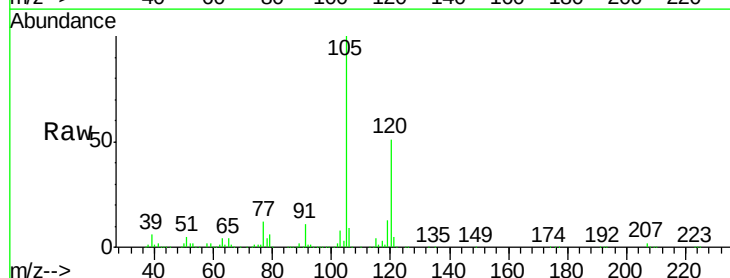
Acq: 28 May 2020 11:45

Tgt Ion: 105 Resp: 247046

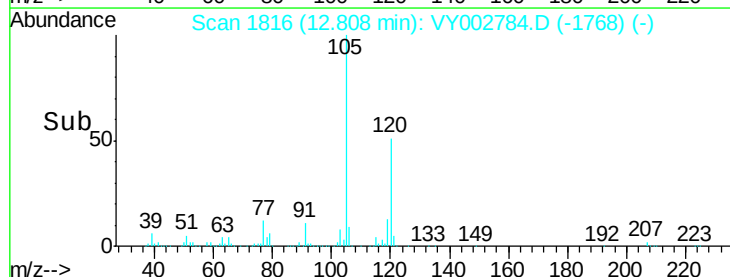
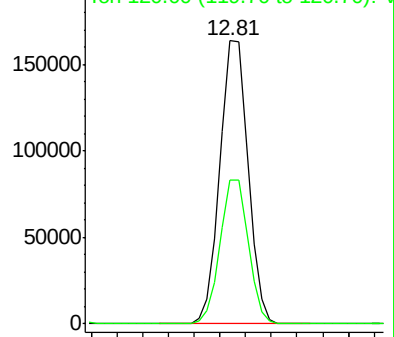
Ion Ratio Lower Upper

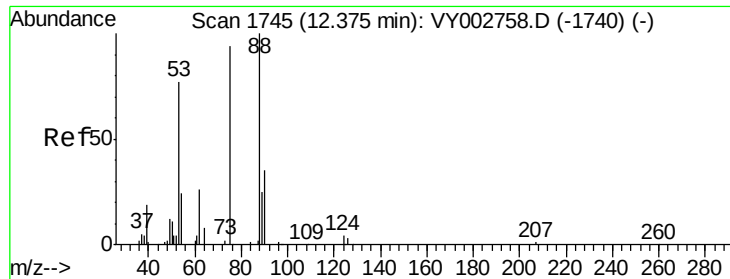
105 100

120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.963 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

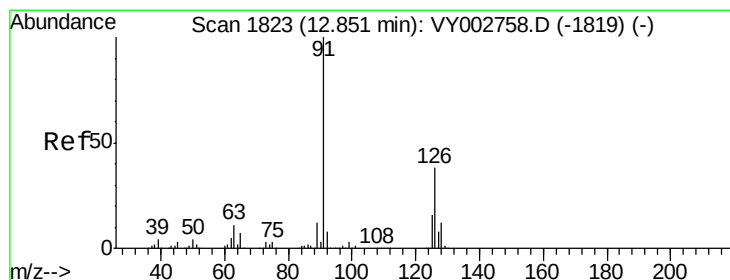
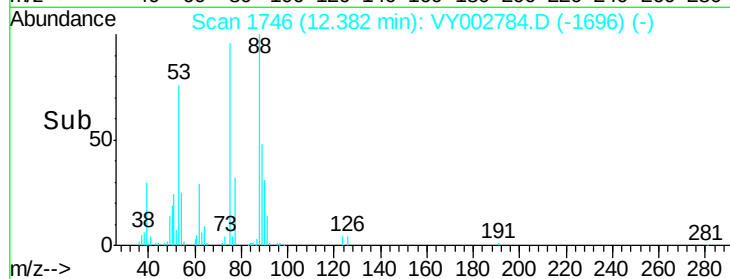
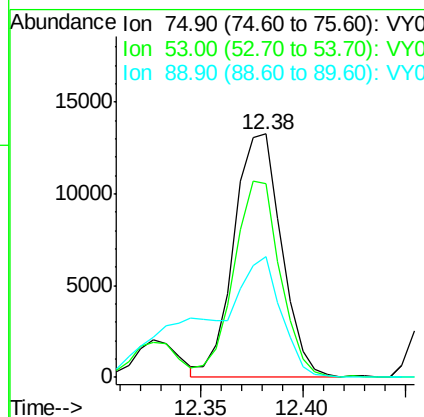
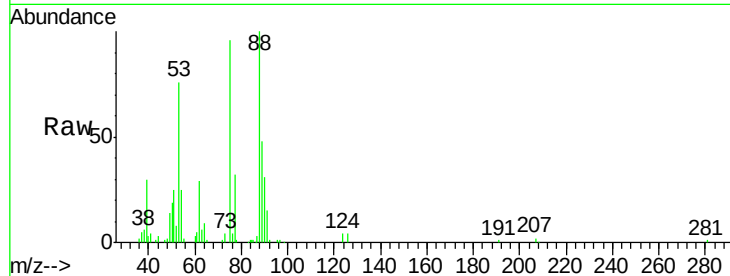
ClientSampleId :

VY0528SBS01

Tot Ion:	75	Resp:	21475
Ion Ratio	Lower	Upper	
75	100		
53	78.9	64.0	96.0
89	83.0	37.4	56.2#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.393 ug/l

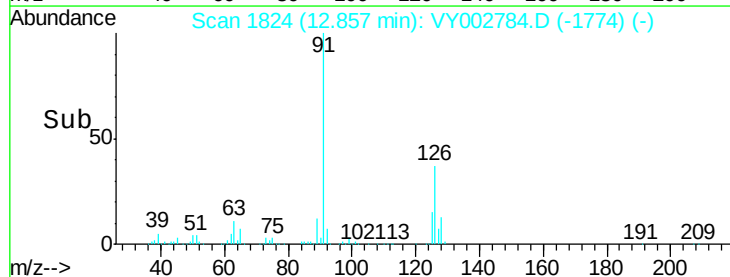
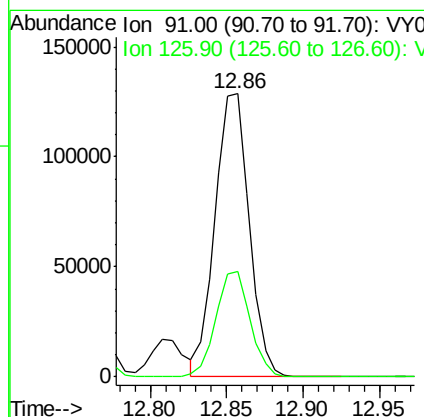
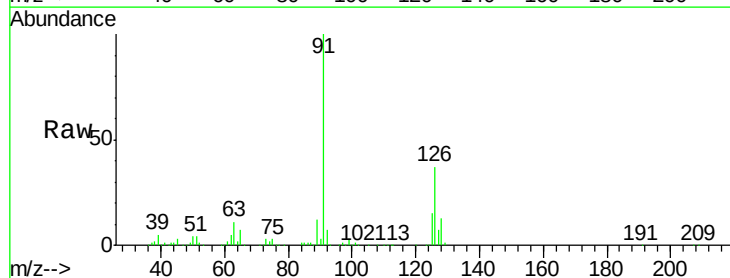
RT: 12.86 min Scan# 1824

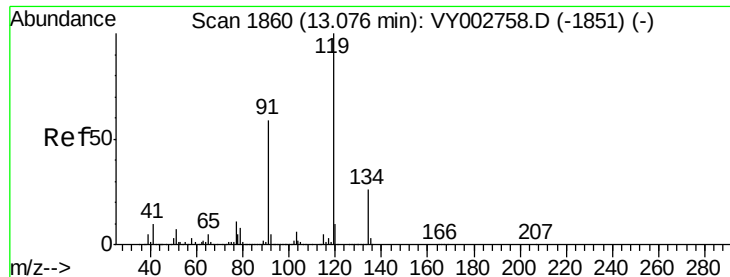
Delta R.T. 0.01 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	91	Resp:	199547
Ion Ratio	Lower	Upper	
91	100		
126	37.3	18.5	55.5





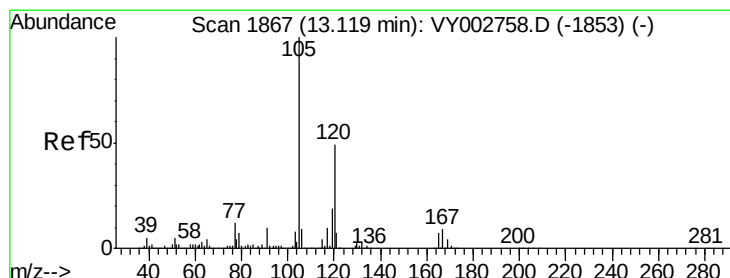
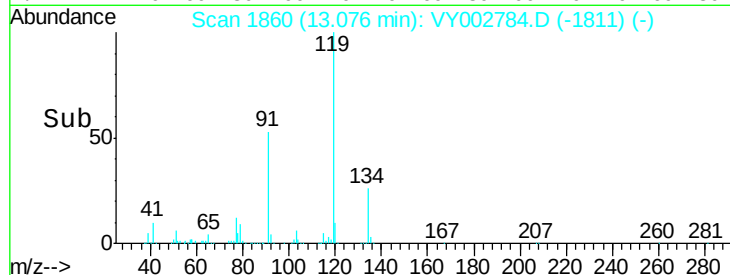
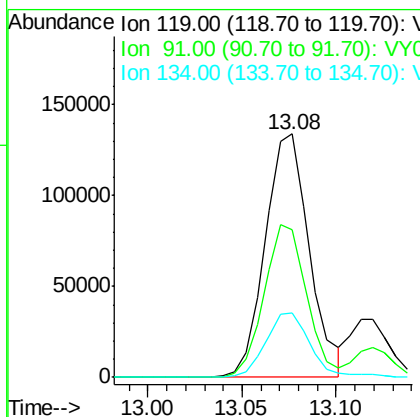
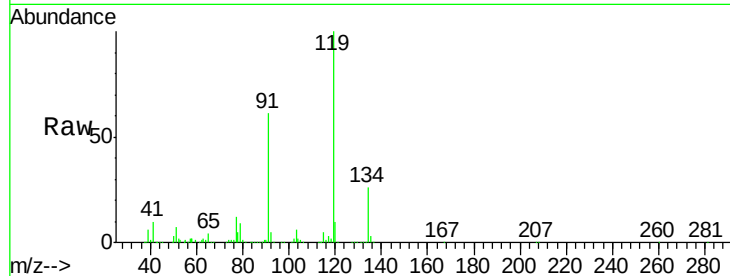
#83
 tert-Butylbenzene
 Concen: 20.267 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	29.8	89.4
134	26.9	13.3	39.8

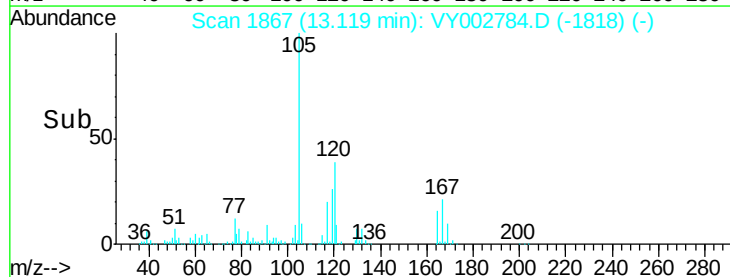
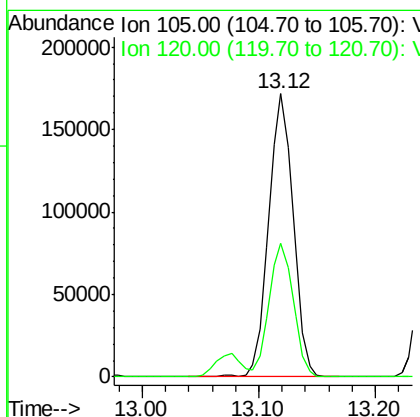
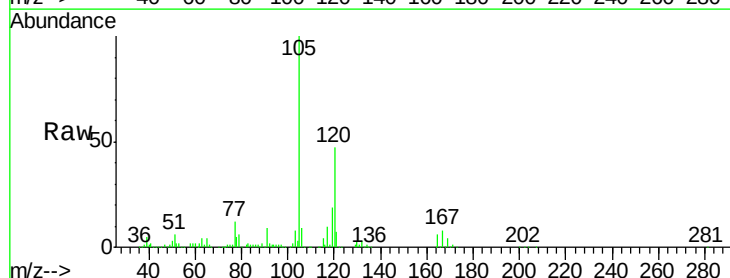
Manual Integrations
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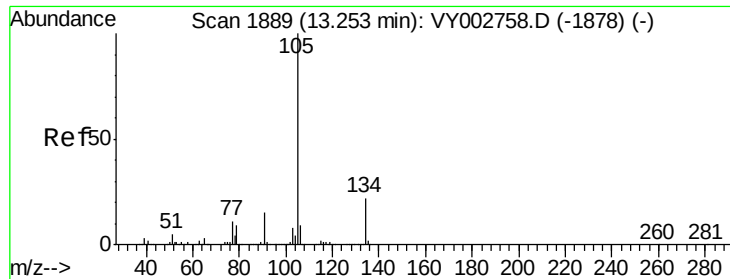
MMDadoda
 5/29/2020 10:57:07 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.653 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.300 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBS01

Tot Ion:105 Resp: 297971

Ion Ratio Lower Upper

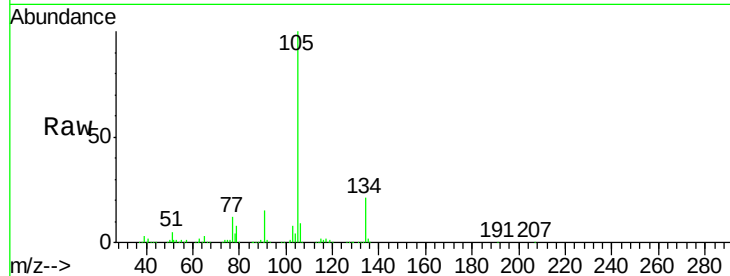
105 100

134 21.5 10.8 32.4

Manual Integrations
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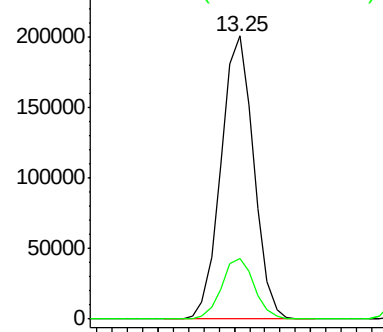
MMDadoda

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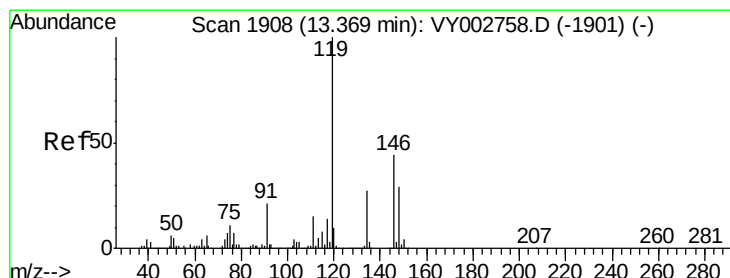
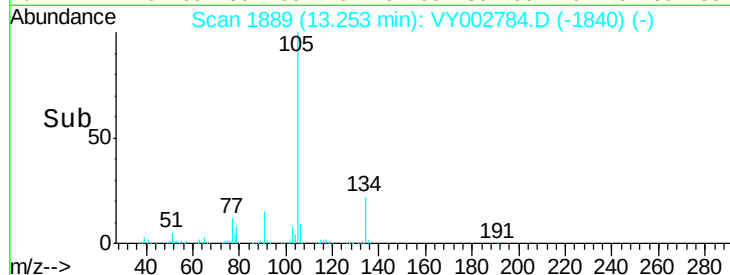


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.633 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

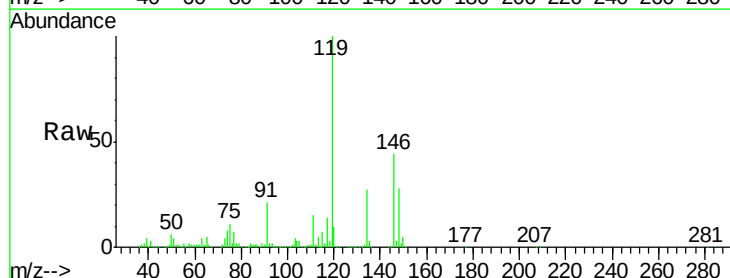
Tgt Ion:119 Resp: 281816

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

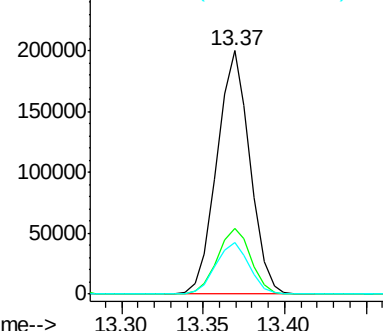
91 21.3 10.8 32.4



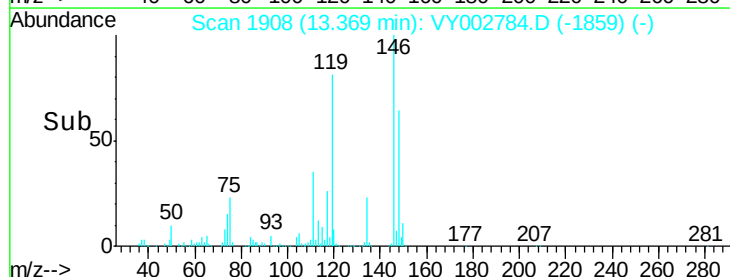
Abundance Ion 119.00 (118.70 to 119.70): V

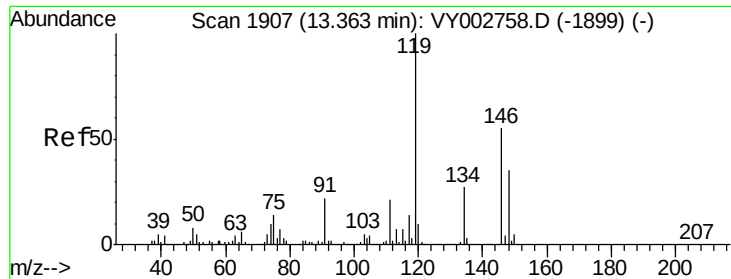
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0



Time-->





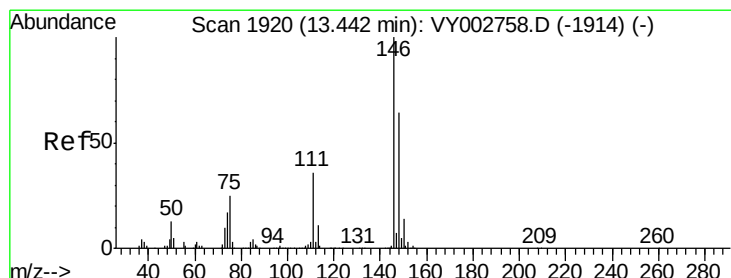
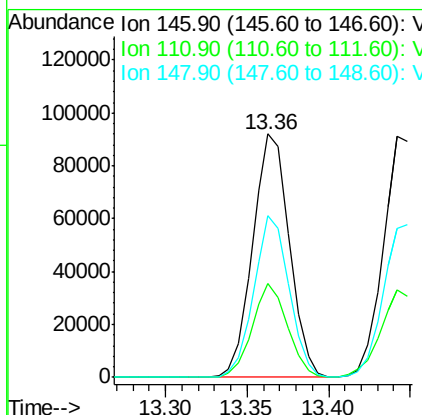
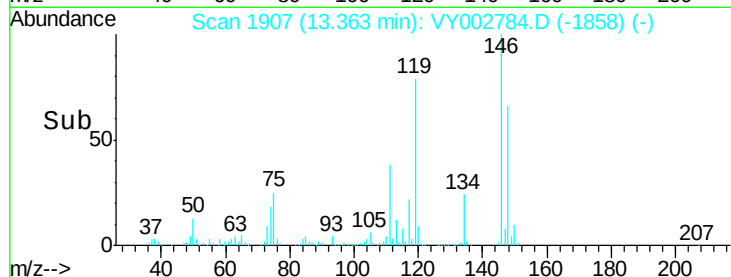
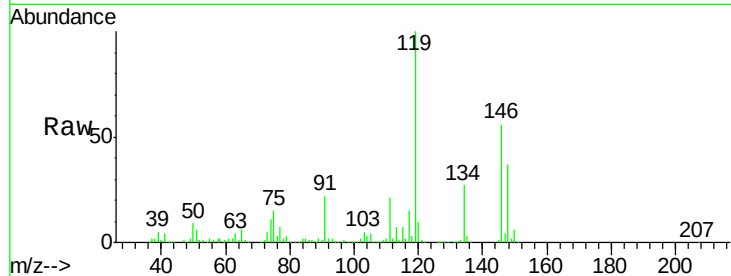
#87
 1,3-Dichlorobenzene
 Concen: 20.196 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143578		
111	36.9	18.4	55.0	
148	63.7	31.9	95.7	

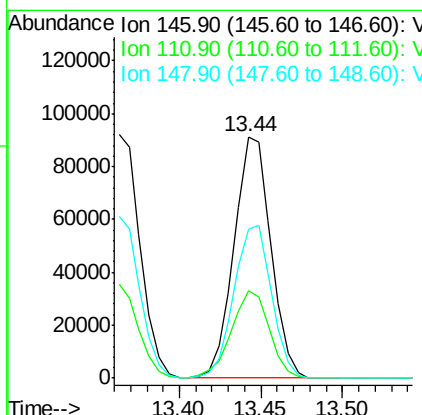
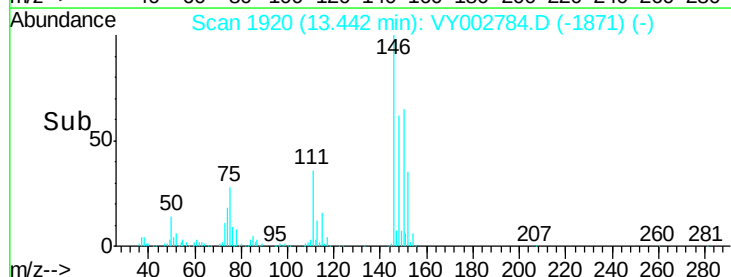
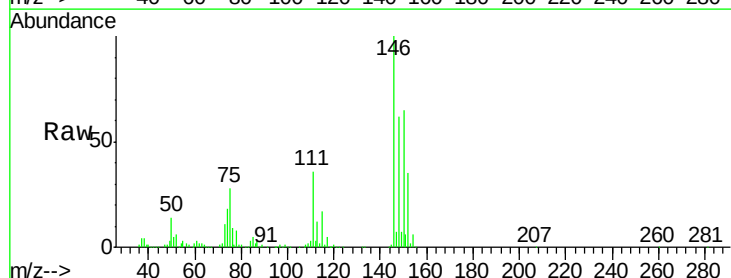
Manual Integrations
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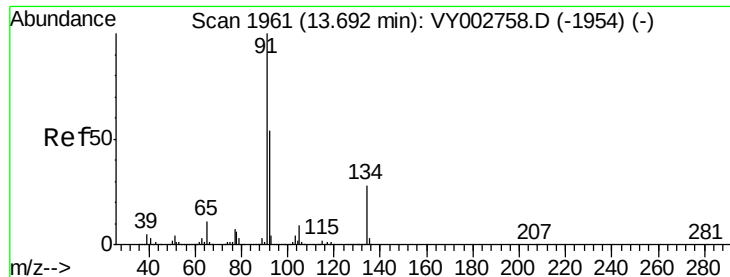
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.217 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143777		
111	37.6	18.1	54.3	
148	64.7	32.1	96.3	





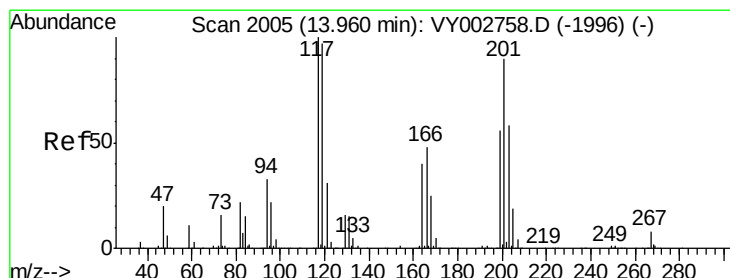
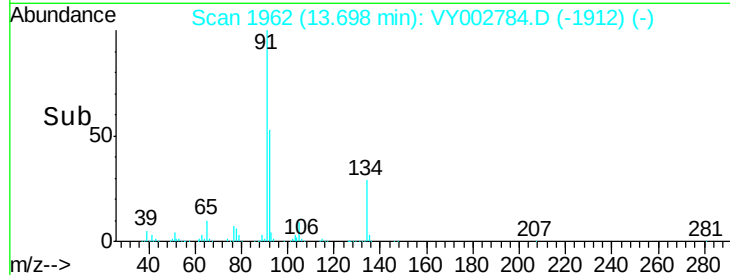
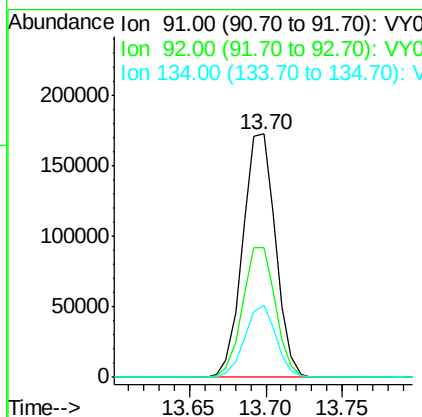
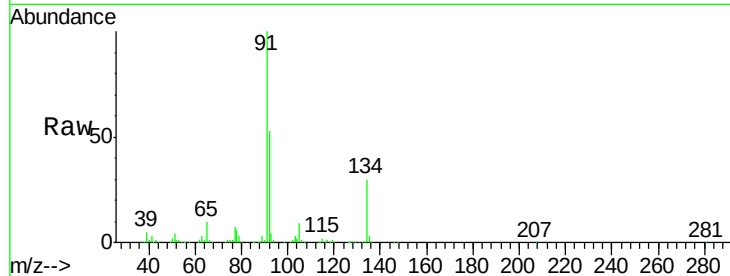
#89
n-Butylbenzene
Concen: 20.742 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	28.4	14.3	42.9

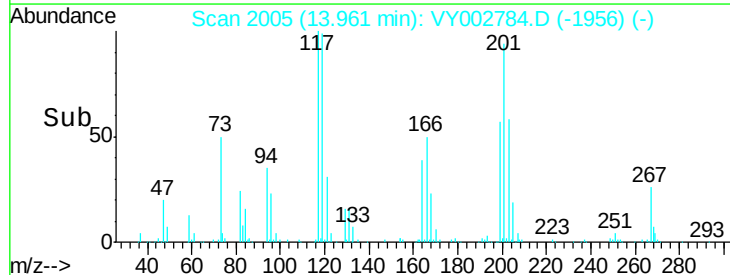
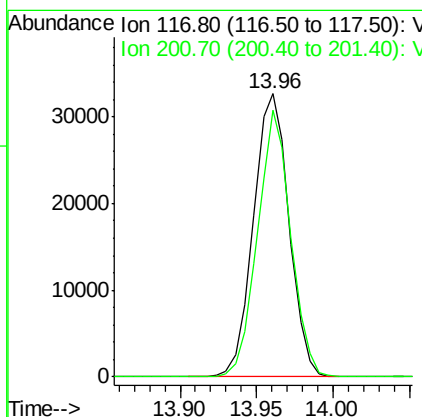
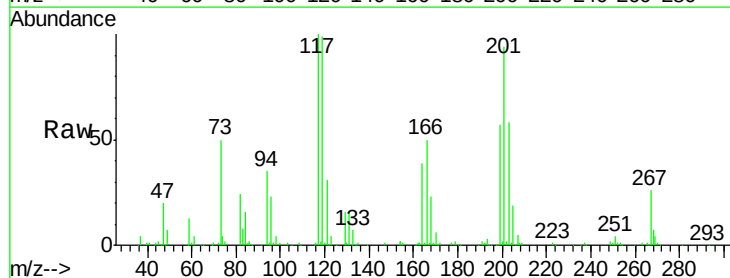
Manual Integrations
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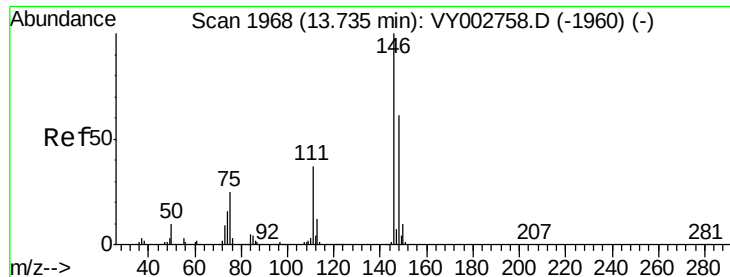
MMDadoda
5/29/2020 10:57:07 AM



#90
Hexachloroethane
Concen: 20.633 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	43.9	131.6





#91

1,2-Dichlorobenzene

Concen: 20.437 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Instrument :

MSVOA_Y

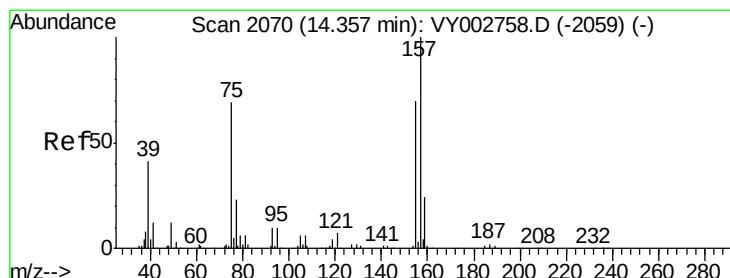
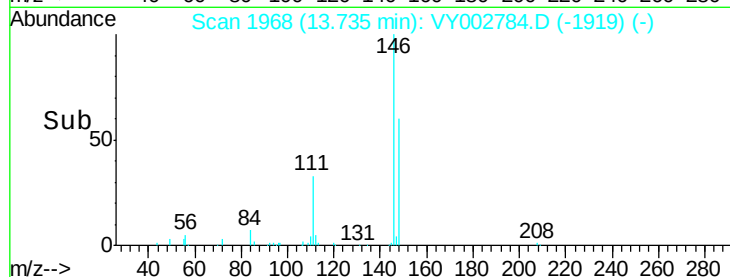
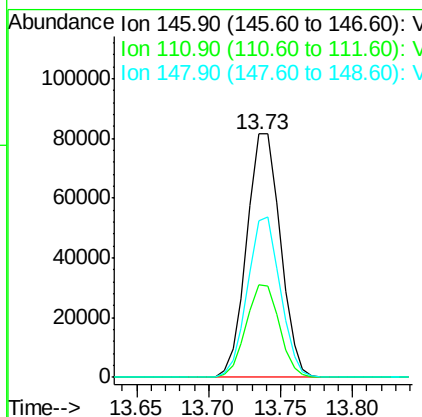
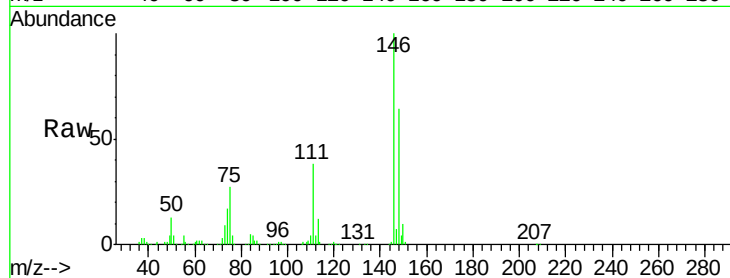
ClientSampleId :

VY0528SBS01

Tot Ion:	146	Resp:	131765
Ion Ratio		Lower	Upper
146	100		
111	37.5	18.9	56.9
148	63.9	31.9	95.5

Manual Integrations
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5/29/2020 10:57:07 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.840 ug/l

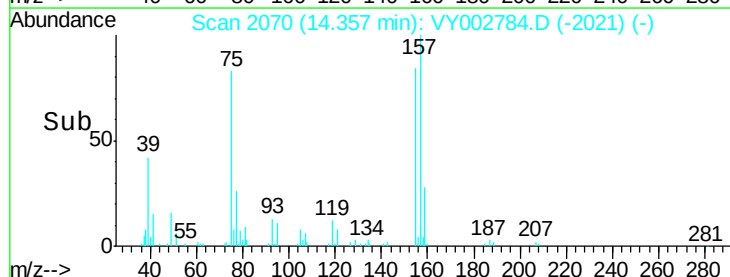
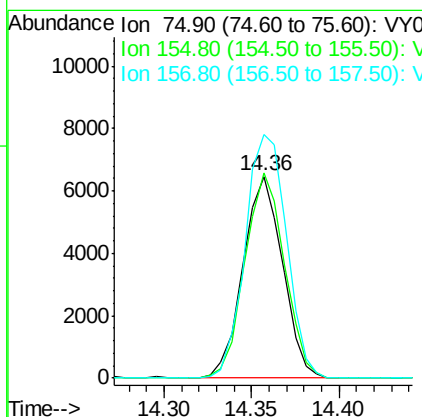
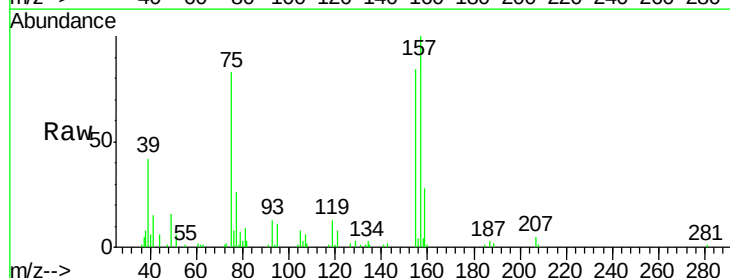
RT: 14.36 min Scan# 2070

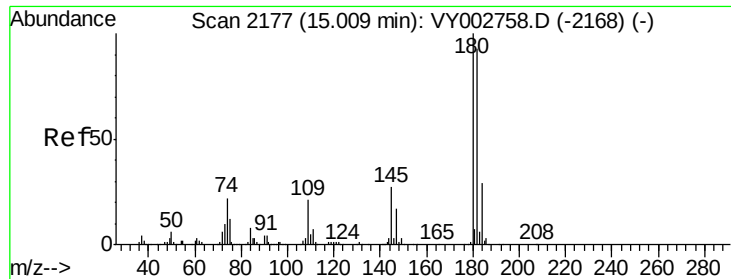
Delta R.T. 0.00 min

Lab File: VY002784.D

Acq: 28 May 2020 11:45

Tgt Ion:	75	Resp:	10140
Ion Ratio		Lower	Upper
75	100		
155	102.0	53.5	160.5
157	126.3	69.9	209.7





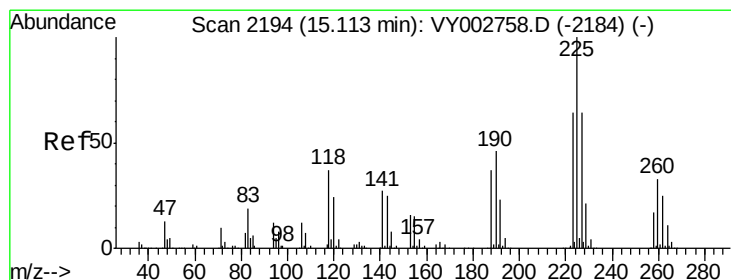
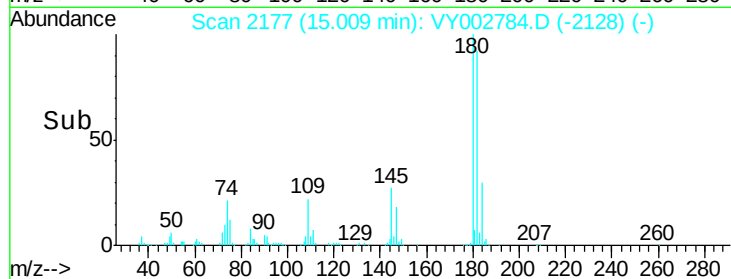
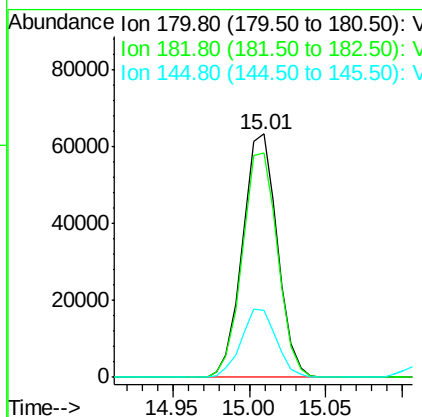
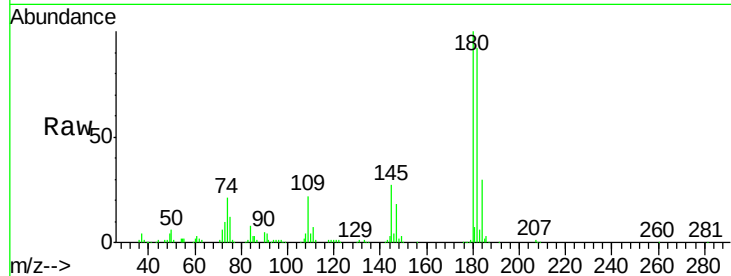
#93
 1,2,4-Trichlorobenzene
 Concen: 20.564 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	28.5	14.1	42.3

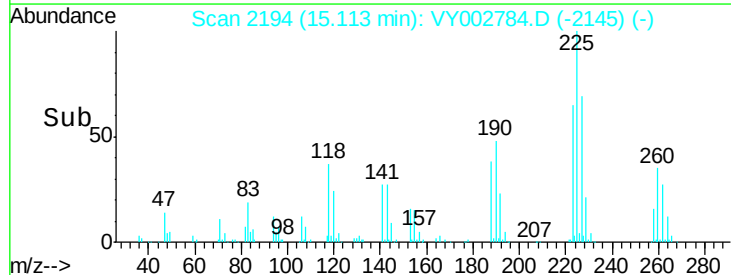
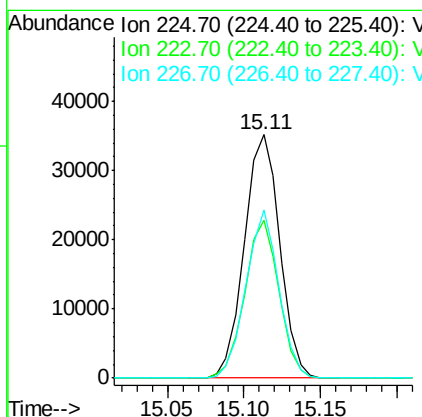
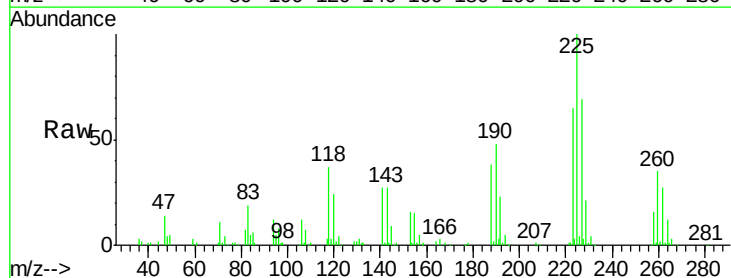
Manual Integrations
 APPROVED

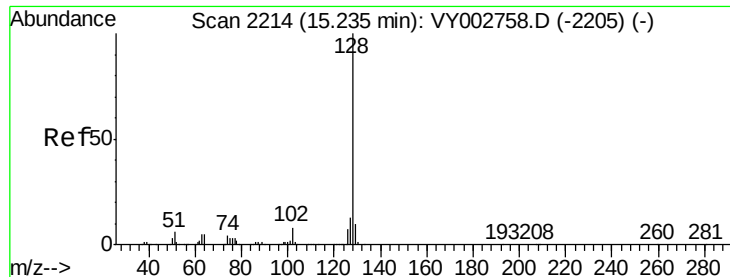
MMDadoda
 5/29/2020 10:57:07 AM



#94
 Hexachlorobutadiene
 Concen: 20.543 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002784.D
 Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	64.1	32.3	96.9





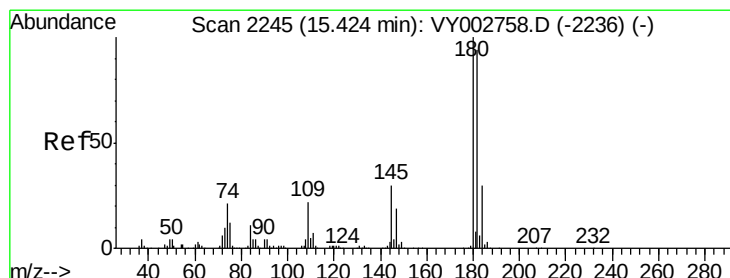
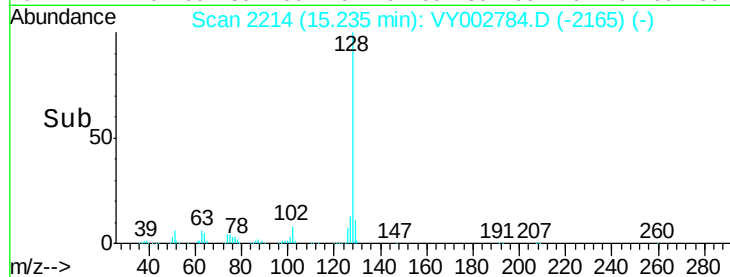
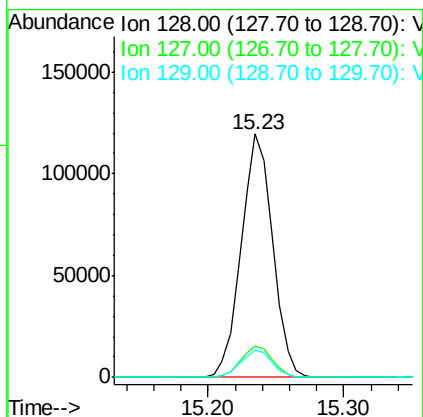
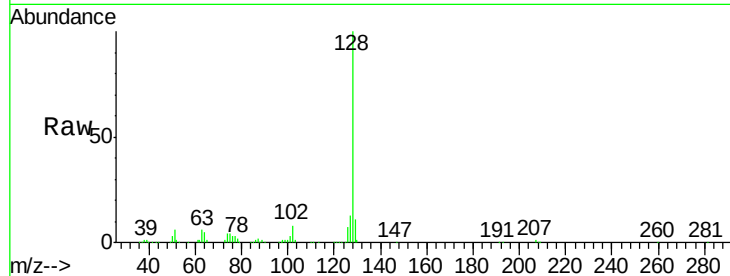
#95
Naphthalene
Concen: 19.774 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192676		
127	12.9		10.3	15.5
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/29/2020 10:57:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.329 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002784.D
Acq: 28 May 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88219		
182	96.1		48.1	144.4
145	30.4		15.1	45.3

