

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002695.D
 Acq On : 15 May 2020 12:55
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 5/18/2020 1:36:08 PM

Quant Time: May 15 13:21:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	345353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	471931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	243019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	288140	99.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.62%	
35) Dibromofluoromethane	7.72	113	297566	100.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.32%	
50) Toluene-d8	10.18	98	1189951	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
62) 4-Bromofluorobenzene	12.48	95	399353	101.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	235944	94.606	ug/l	97
3) Chloromethane	2.12	50	267729	98.165	ug/l	99
4) Vinyl Chloride	2.25	62	288994	92.933	ug/l	98
5) Bromomethane	2.63	94	209223	95.039	ug/l	97
6) Chloroethane	2.79	64	187982	99.047	ug/l	99
7) Trichlorofluoromethane	3.13	101	503681	101.670	ug/l	99
8) Diethyl Ether	3.53	74	177646	105.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	302307	99.849	ug/l	99
10) Methyl Iodide	4.10	142	460578	111.459	ug/l	99
11) Tert butyl alcohol	4.96	59	138316	467.652	ug/l	99
12) 1,1-Dichloroethene	3.88	96	305413	103.117	ug/l	99
13) Acrolein	3.73	56	168425	754.011	ug/l	99
14) Allyl chloride	4.49	41	445729	103.684	ug/l	99
15) Acrylonitrile	5.18	53	408833	517.324	ug/l	100
16) Acetone	3.95	43	296275	499.306	ug/l	96
17) Carbon Disulfide	4.20	76	961230	107.820	ug/l	99
18) Methyl Acetate	4.49	43	165287	85.147	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	792246	102.827	ug/l	99
20) Methylene Chloride	4.72	84	325434	97.047	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	338630	104.244	ug/l	97
22) Diisopropyl ether	6.13	45	884548	101.492	ug/l	99
23) Vinyl Acetate	6.07	43	2916158	530.817	ug/l	99
24) 1,1-Dichloroethane	6.03	63	528634	102.646	ug/l	100
25) 2-Butanone	6.99	43	492684	508.113	ug/l	99
26) 2,2-Dichloropropane	6.99	77	471812	96.617	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	369398	102.655	ug/l	99
28) Bromochloromethane	7.34	49	207110	98.506	ug/l	100
29) Tetrahydrofuran	7.35	42	331357	514.053	ug/l	99
30) Chloroform	7.52	83	547364	101.790	ug/l	99
31) Cyclohexane	7.79	56	504794	97.211	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	507479	101.906	ug/l	100
36) 1,1-Dichloropropene	7.93	75	440008	102.010	ug/l	100
37) Ethyl Acetate	7.08	43	219334	98.719	ug/l	100
38) Carbon Tetrachloride	7.91	117	480898	102.070	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	595661	104.148	ug/l	99
40) Benzene	8.17	78	1291504	103.078	ug/l	100
41) Methacrylonitrile	7.33	41	139974m	117.273	ug/l	
42) 1,2-Dichloroethane	8.24	62	347513	100.120	ug/l	99
43) Isopropyl Acetate	8.28	43	427585	102.911	ug/l	100
44) Trichloroethene	8.94	130	408820	103.927	ug/l	98
45) 1,2-Dichloropropane	9.22	63	309382	102.818	ug/l	99
46) Dibromomethane	9.31	93	176924	102.161	ug/l	99
47) Bromodichloromethane	9.50	83	431072	102.272	ug/l	99
48) Methyl methacrylate	9.30	41	195506	104.111	ug/l	99
49) 1,4-Dioxane	9.30	88	50678	2214.893	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	1100558	515.742	ug/l	99
52) Toluene	10.24	92	838868	104.178	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	466564	105.711	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	533578	104.248	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	261546	103.530	ug/l	99
56) Ethyl methacrylate	10.51	69	362550	107.696	ug/l	99
57) 1,3-Dichloropropane	10.79	76	438613	102.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	860568	483.020	ug/l	100
59) 2-Hexanone	10.83	43	767512	522.321	ug/l	100
60) Dibromochloromethane	10.99	129	339218	105.078	ug/l	99
61) 1,2-Dibromoethane	11.09	107	260566	103.768	ug/l	100
64) Tetrachloroethene	10.72	164	444603	105.401	ug/l	99
65) Chlorobenzene	11.52	112	931007	103.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	353092	106.318	ug/l	100
67) Ethyl Benzene	11.59	91	1637370	104.364	ug/l	99
68) m/p-Xylenes	11.70	106	1274658	209.627	ug/l	99
69) o-Xylene	12.03	106	595223	104.279	ug/l	100
70) Styrene	12.04	104	1042937	107.008	ug/l	99
71) Bromoform	12.20	173	220361	106.968	ug/l #	99
73) Isopropylbenzene	12.33	105	1627107	103.881	ug/l	100
74) N-amyl acetate	12.14	43	400037	106.770	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	249765	101.648	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	207107m	98.301	ug/l	
77) Bromobenzene	12.61	156	409491	104.655	ug/l	99
78) n-propylbenzene	12.67	91	1872313	103.009	ug/l	100
79) 2-Chlorotoluene	12.75	91	1040835	103.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1353520	104.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	112933	106.142	ug/l #	80
82) 4-Chlorotoluene	12.85	91	1084347	102.632	ug/l	99
83) tert-Butylbenzene	13.08	119	1205073	105.787	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1357037	104.681	ug/l	100
85) sec-Butylbenzene	13.25	105	1640235	103.746	ug/l	100
86) p-Isopropyltoluene	13.37	119	1543295	104.168	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	766311	103.248	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	761340	103.678	ug/l	99
89) n-Butylbenzene	13.70	91	1386892	102.693	ug/l	99
90) Hexachloroethane	13.96	117	286001	105.602	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	683941	103.309	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	46823	101.609	ug/l	99

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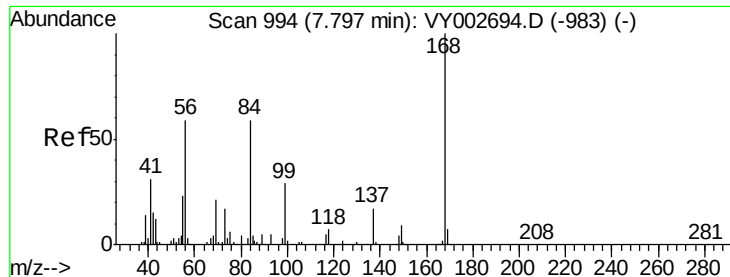
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	503275	104.219	ug/l	100
94) Hexachlorobutadiene	15.11	225	299004	102.972	ug/l	99
95) Naphthalene	15.23	128	935911	106.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	425895	104.033	ug/l	99

(#) = 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: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 345353

Ion Ratio Lower Upper

168 100

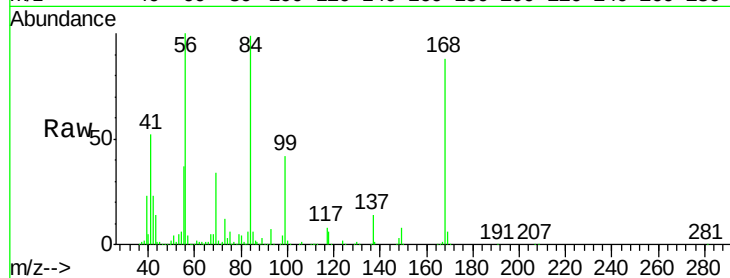
99 47.1 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

150000

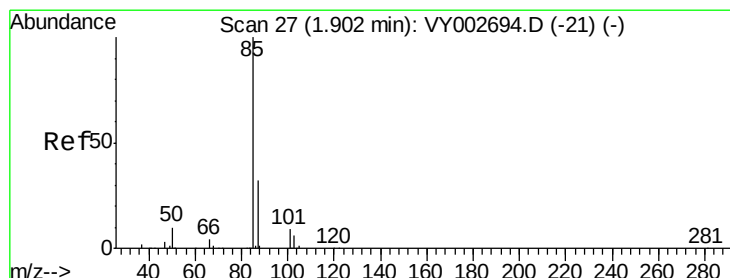
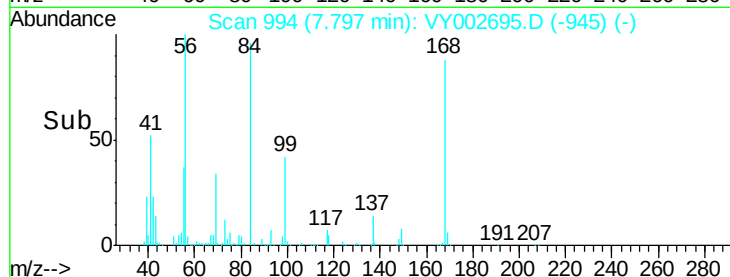
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 94.606 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY002695.D

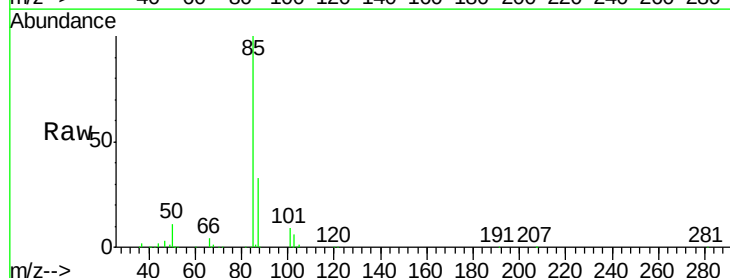
Acq: 15 May 2020 12:55

Tgt Ion: 85 Resp: 235944

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002694.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002694.D (-21) (-)

1.90

150000

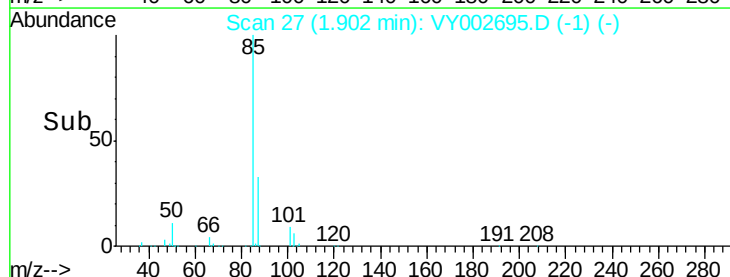
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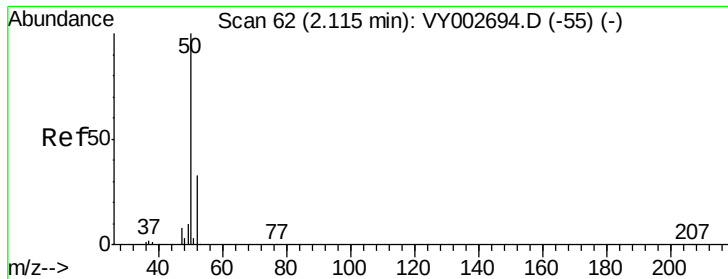
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 98.165 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 267729

Ion Ratio Lower Upper

50 100

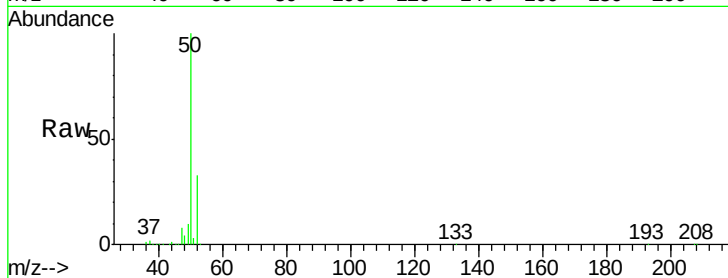
52 33.4 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

200000

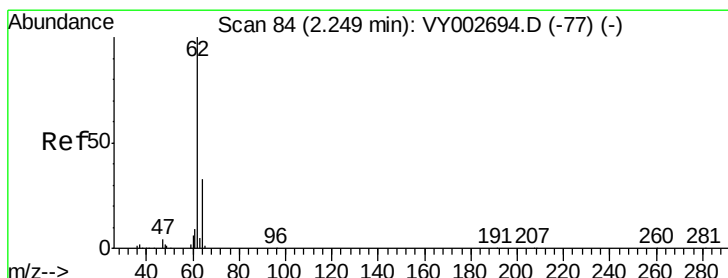
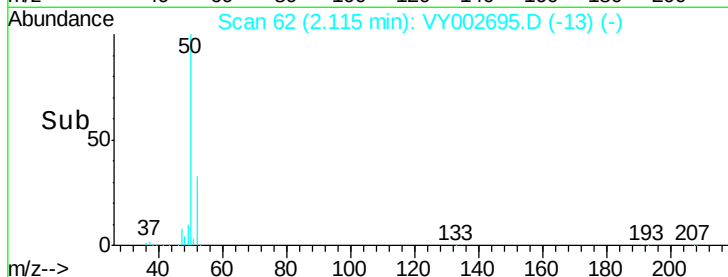
150000

100000

50000

0

Time--> 2.00 2.10 2.20



#4

Vinyl Chloride

Concen: 92.933 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY002695.D

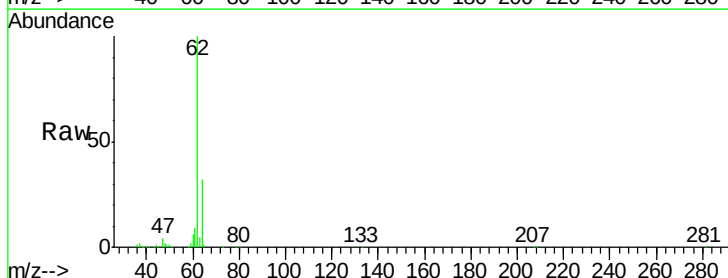
Acq: 15 May 2020 12:55

Tgt Ion: 62 Resp: 288994

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

200000

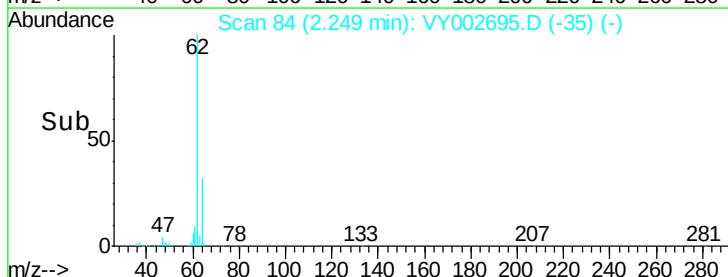
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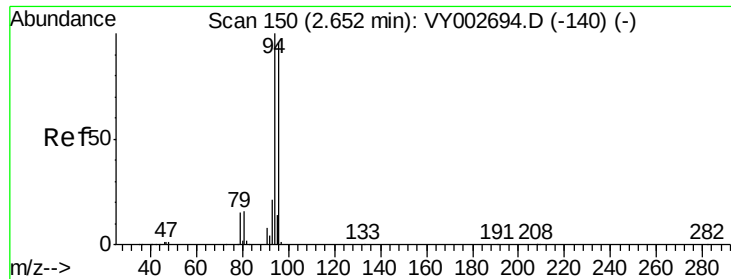
100000

50000

0

Time--> 2.20 2.30 2.40





#5

Bromomethane

Concen: 95.039 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.02 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 209223

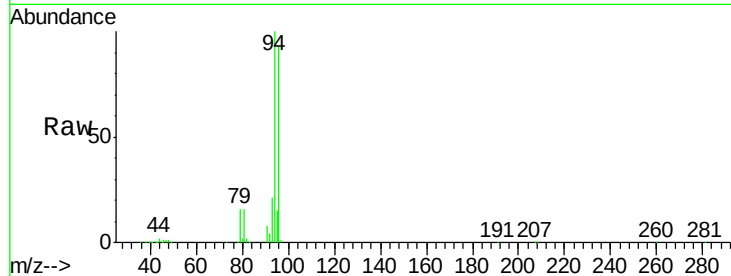
Ion Ratio Lower Upper

94 100

96 92.6 76.8 115.2

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

100000

80000

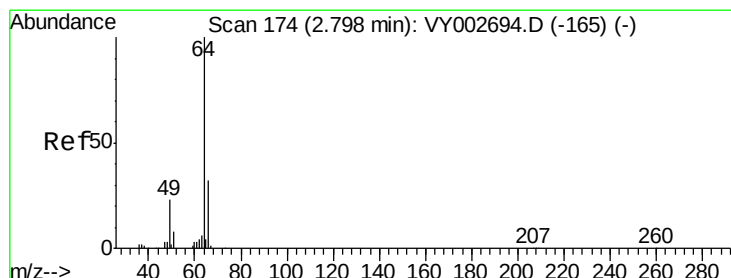
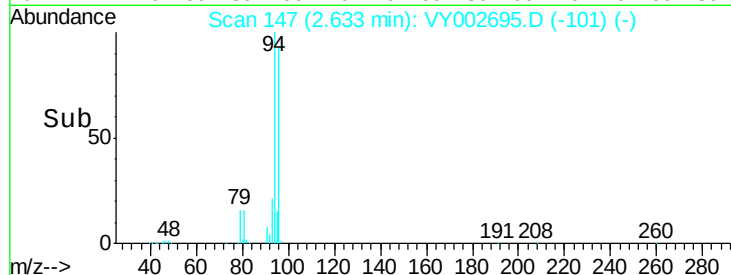
60000

40000

20000

0

Time--> 2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 99.047 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002695.D

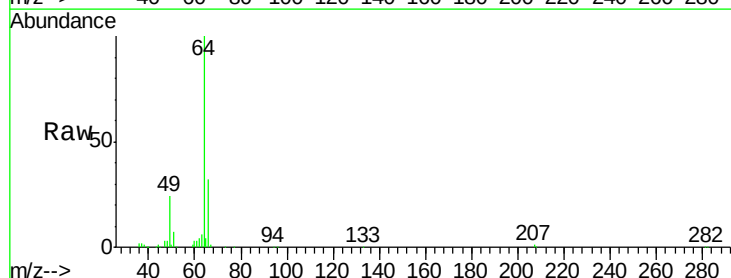
Acq: 15 May 2020 12:55

Tgt Ion: 64 Resp: 187982

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

100000

80000

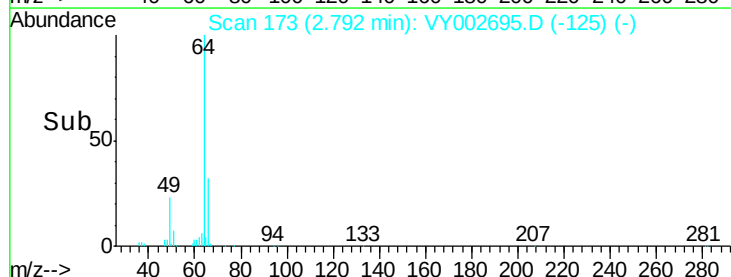
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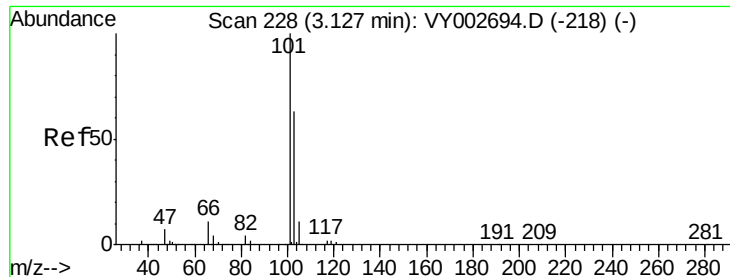
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20000

0

Time--> 2.70 2.80 2.90





#7

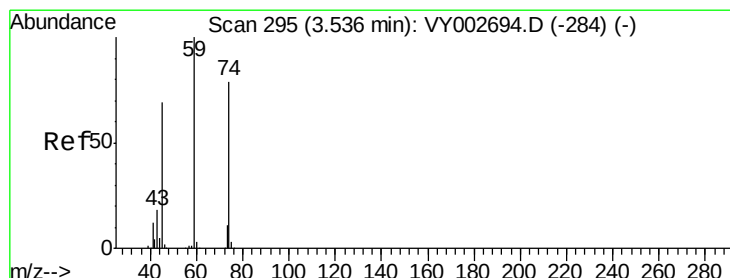
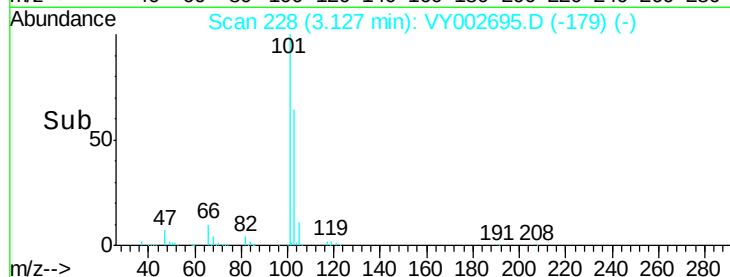
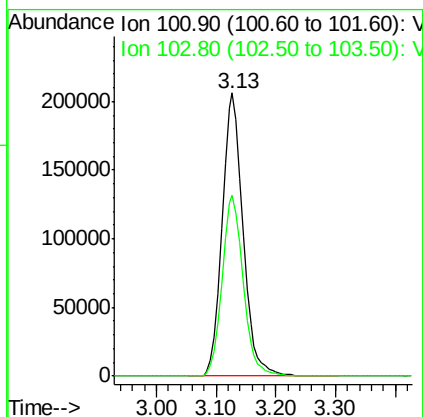
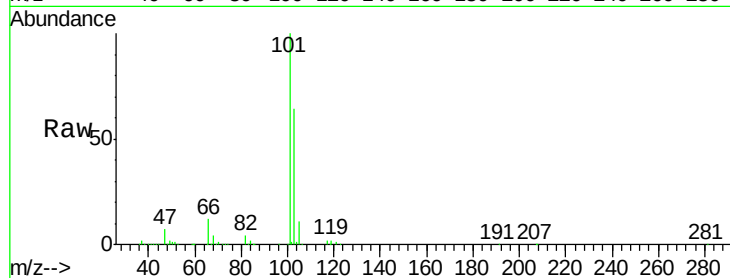
Trichlorofluoromethane
 Concen: 101.670 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	503681		
103	63.7	50.6	75.8	

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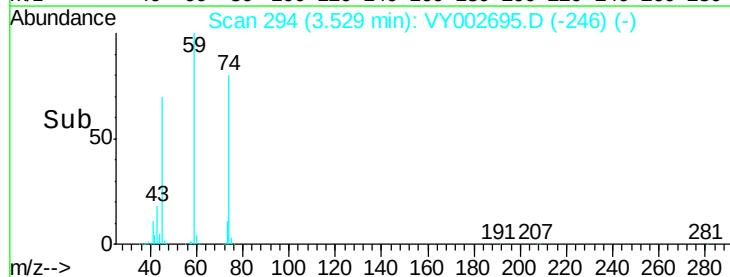
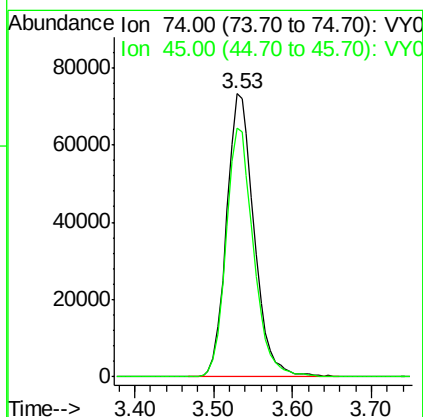
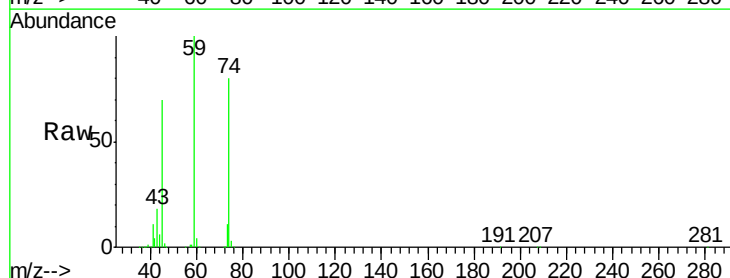
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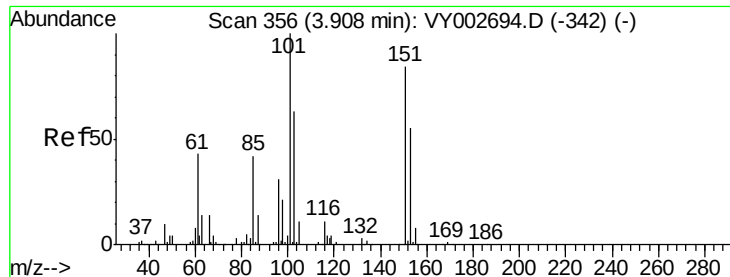


#8

Diethyl Ether
 Concen: 105.625 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	177646		
45	88.1	43.8	131.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.849 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

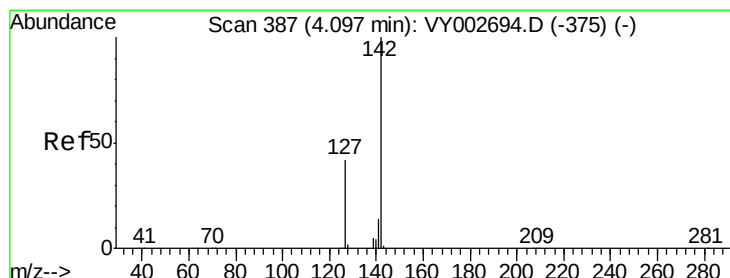
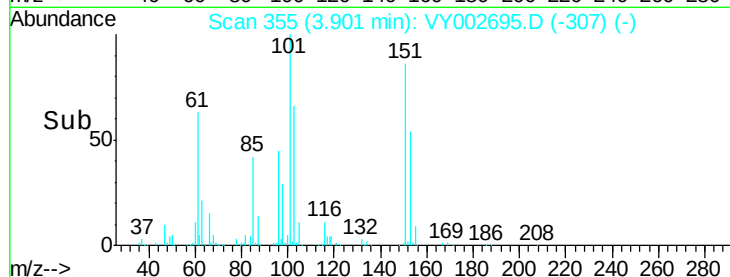
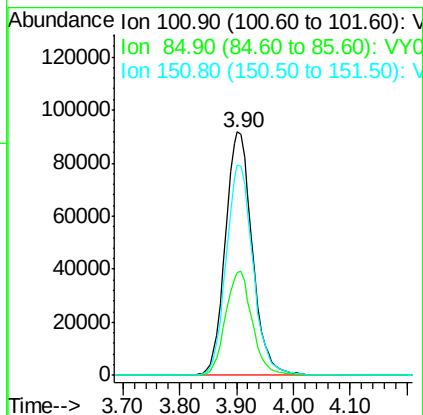
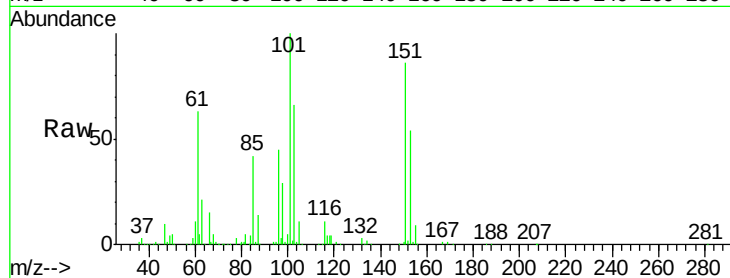
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	302307
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.5	50.3
151	86.2	69.6	104.4

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#10

Methyl Iodide

Concen: 111.459 ug/l

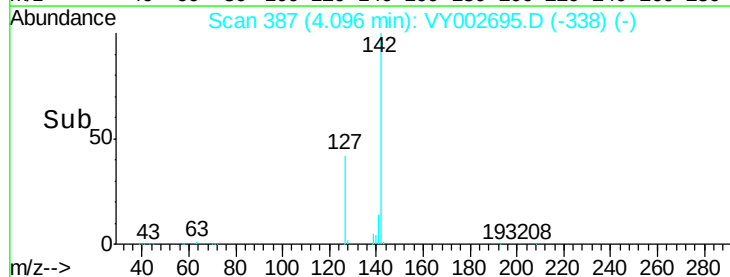
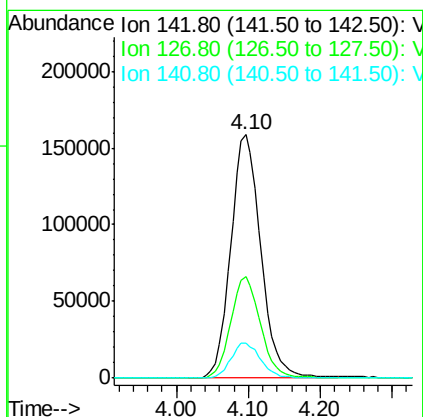
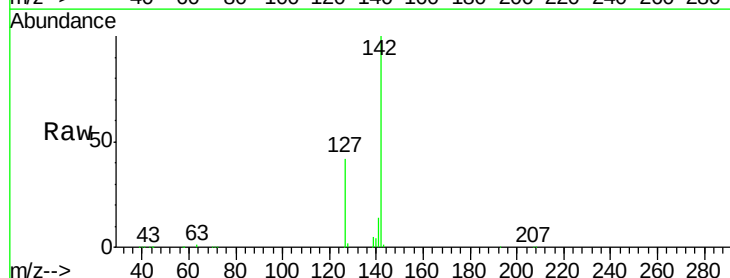
RT: 4.10 min Scan# 387

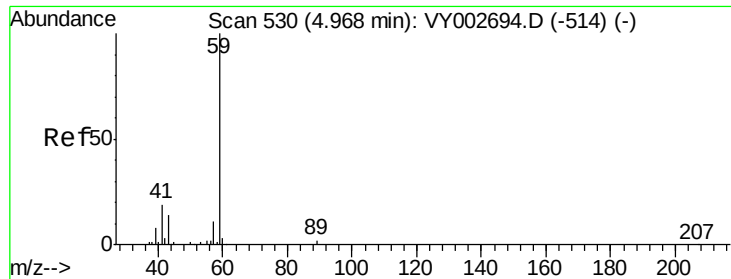
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	142	Resp:	460578
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.8	49.2
141	14.3	11.3	16.9





#11

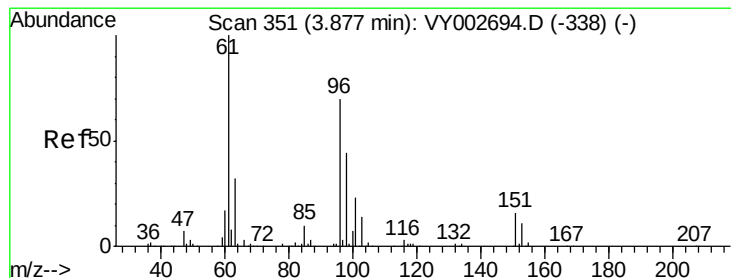
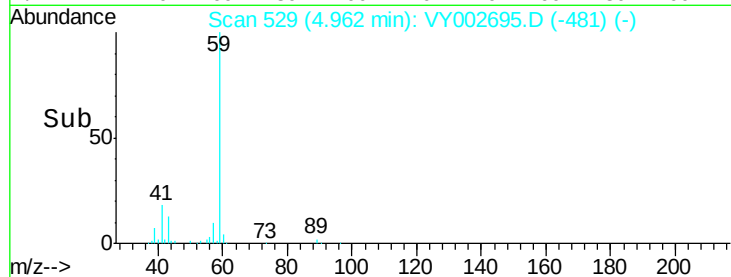
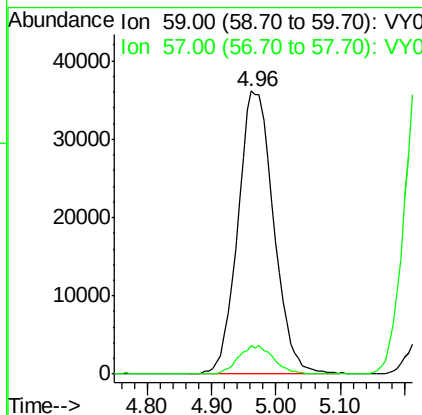
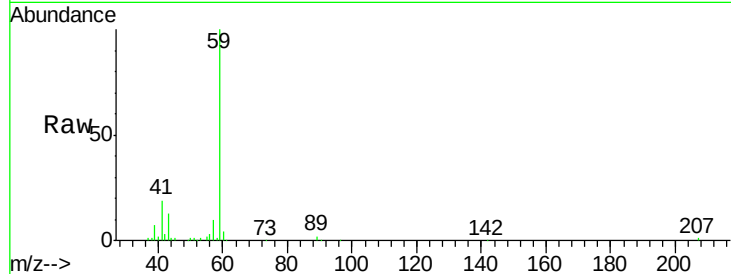
Tert butyl alcohol
Concen: 467.652 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

Manual Integrations
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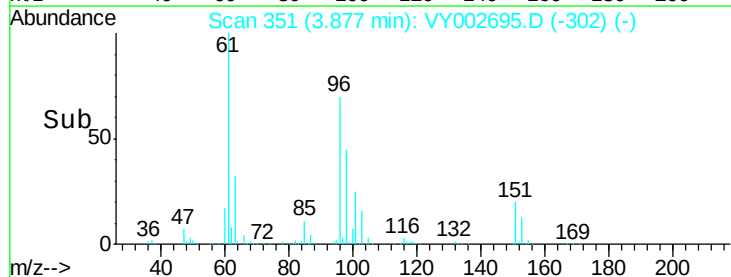
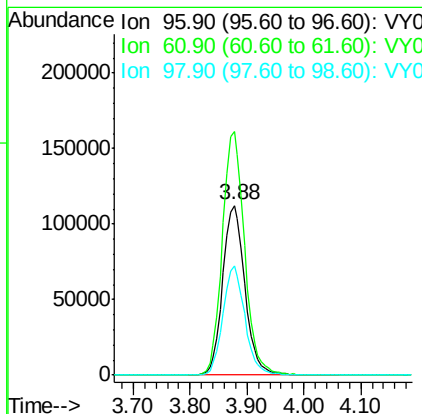
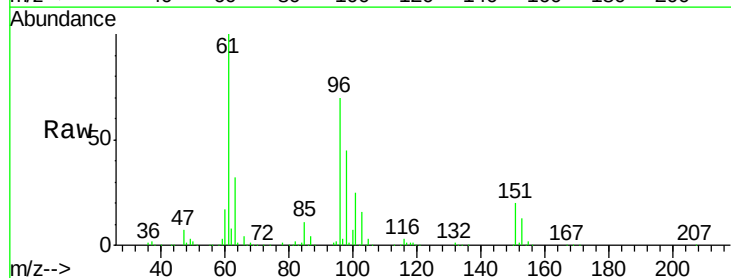
MMDadoda
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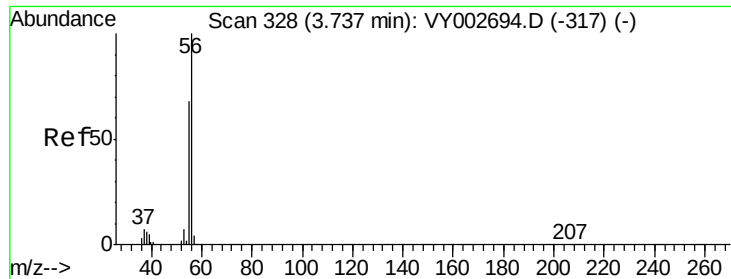


#12

1,1-Dichloroethene
Concen: 103.117 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	113.8	170.8
98	64.1	50.4	75.6





#13

Acrolein

Concen: 754.011 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 168425

Ion Ratio Lower Upper

56 100

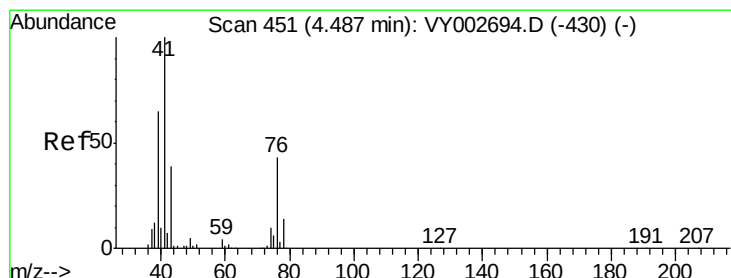
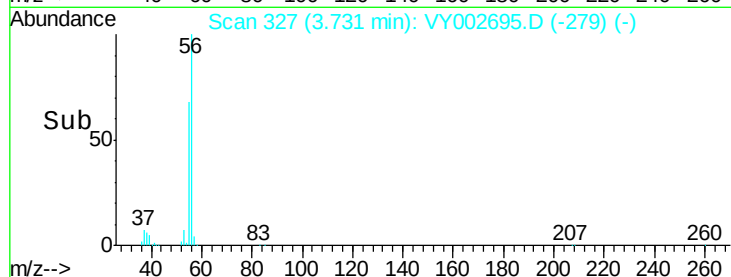
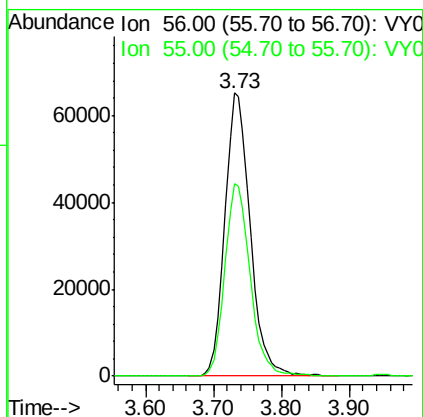
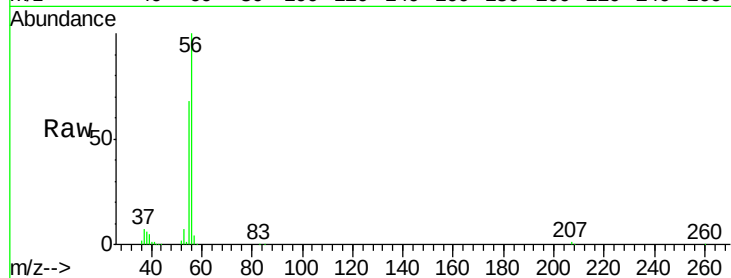
55 68.1 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 103.684 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

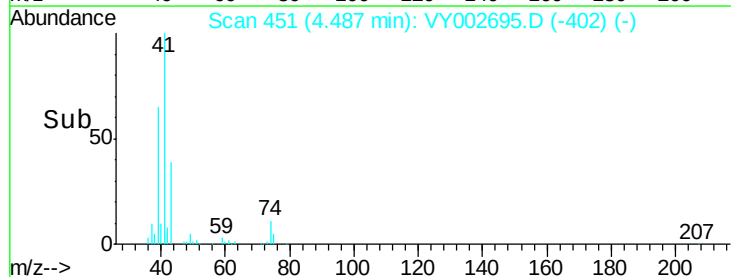
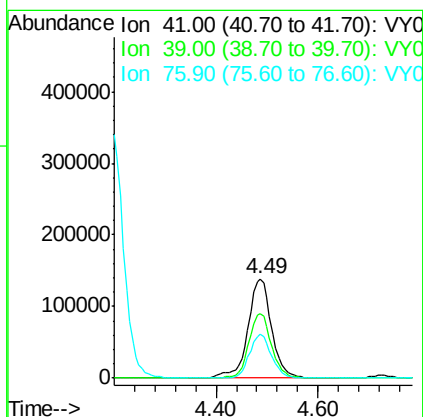
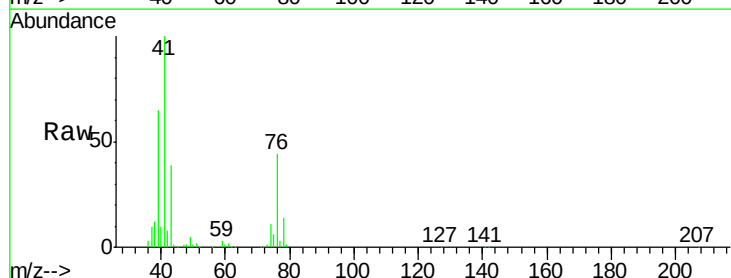
Tgt Ion: 41 Resp: 445729

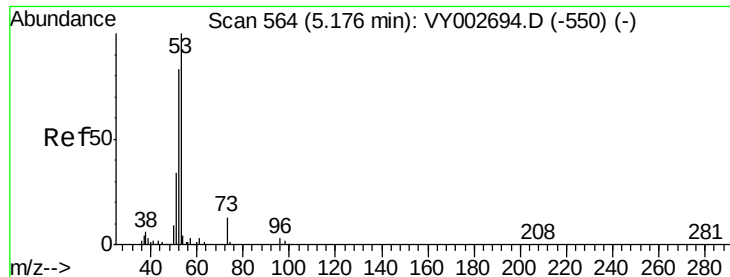
Ion Ratio Lower Upper

41 100

39 62.6 50.3 75.5

76 40.9 33.2 49.8





#15

Acrylonitrile

Concen: 517.324 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

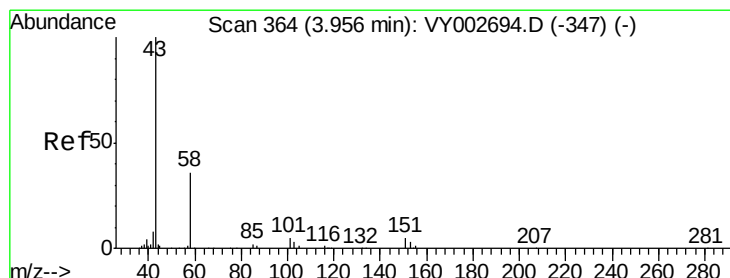
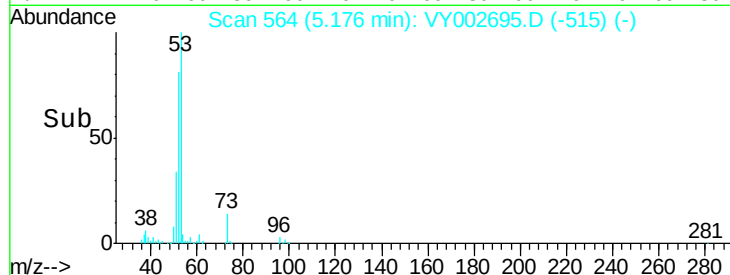
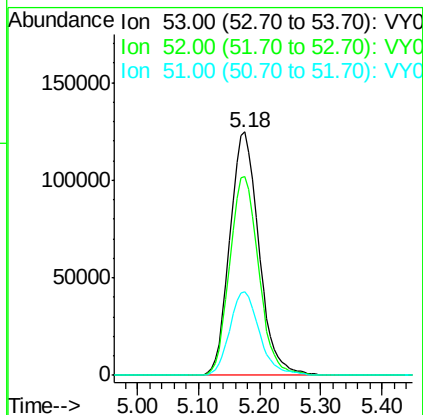
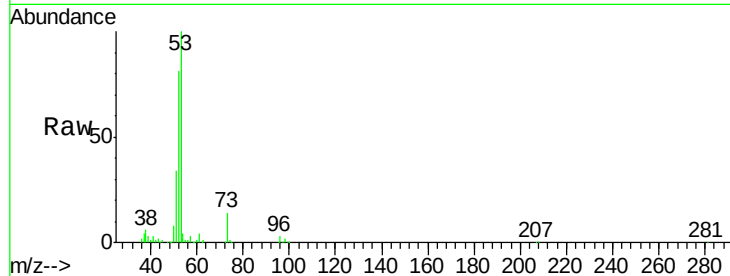
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	408833
Ion Ratio		Lower	Upper
53	100		
52	81.4	65.0	97.6
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 499.306 ug/l

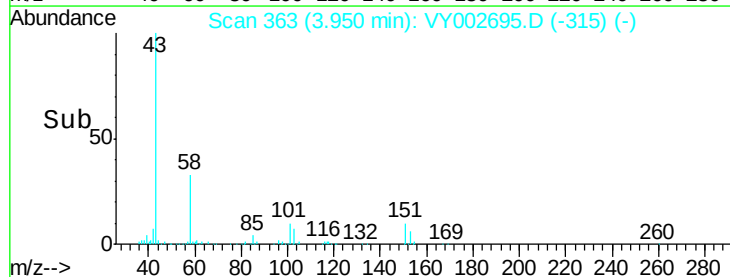
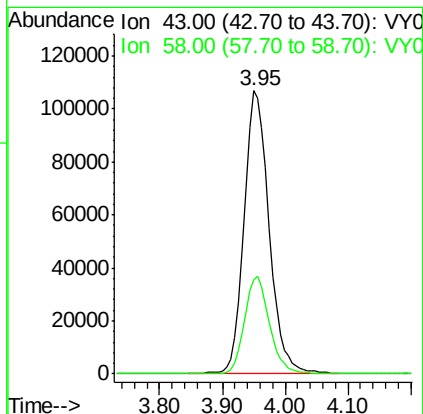
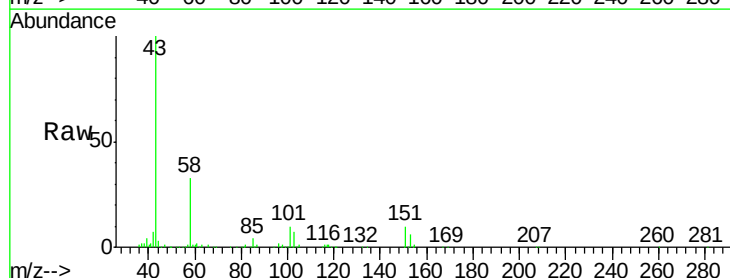
RT: 3.95 min Scan# 363

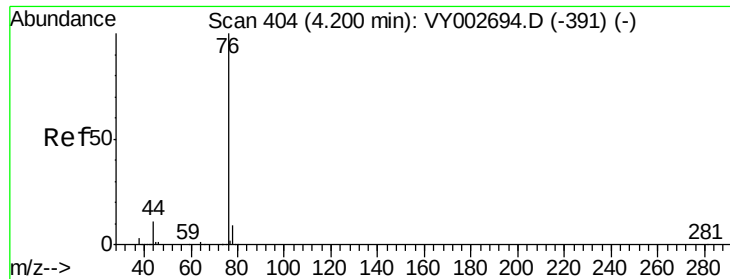
Delta R.T. -0.01 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	43	Resp:	296275
Ion Ratio		Lower	Upper
43	100		
58	33.3	28.6	43.0





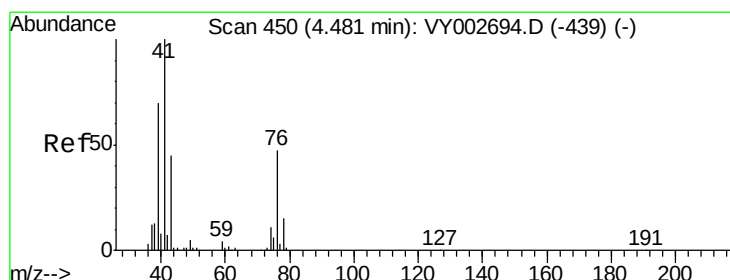
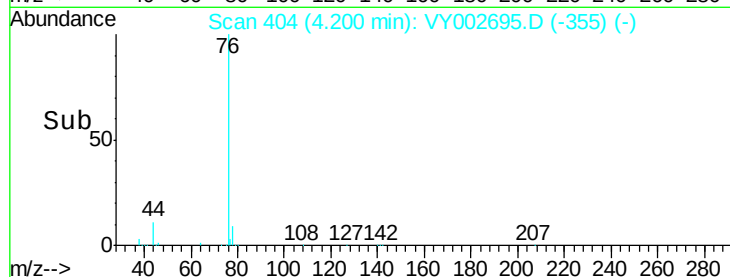
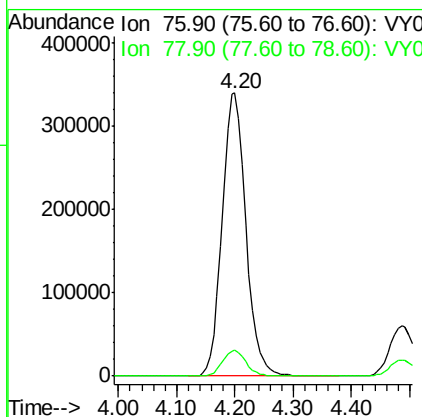
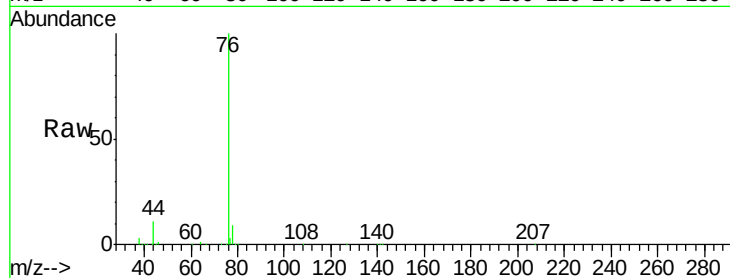
#17
Carbon Disulfide
Concen: 107.820 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

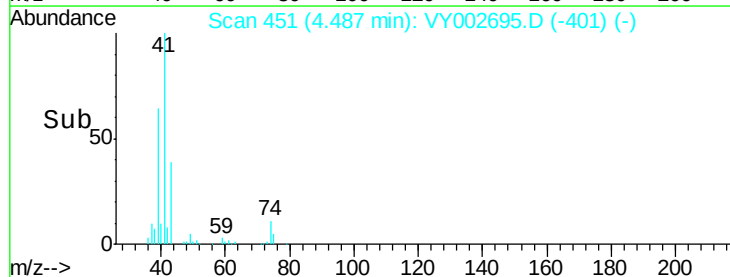
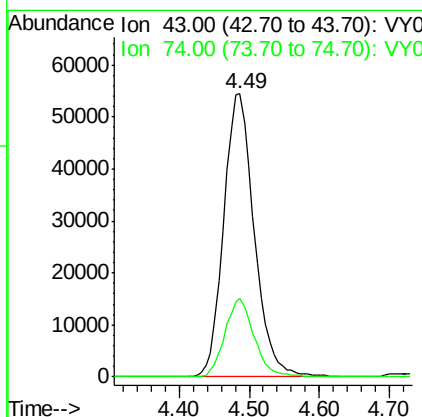
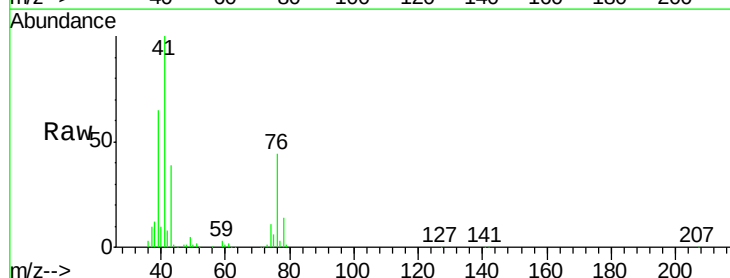
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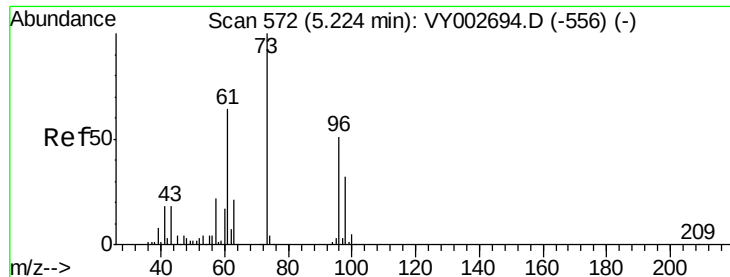
MMDadoda
5/18/2020 1:36:08 PM



#18
Methyl Acetate
Concen: 85.147 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.1	31.7





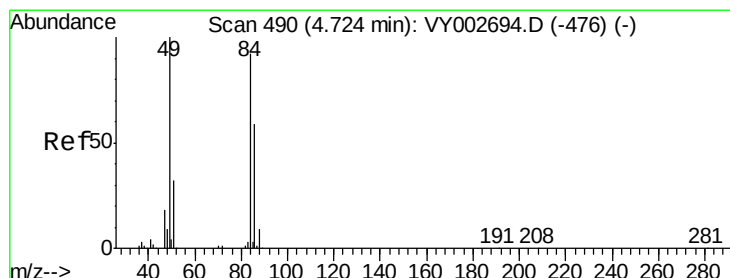
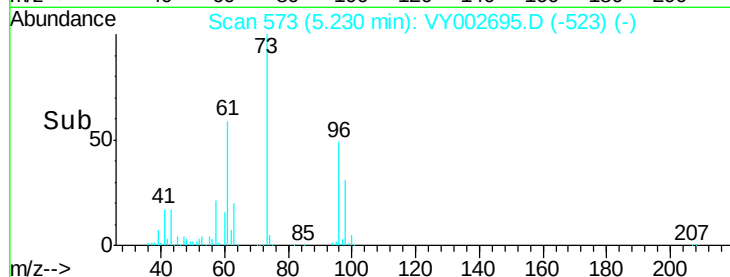
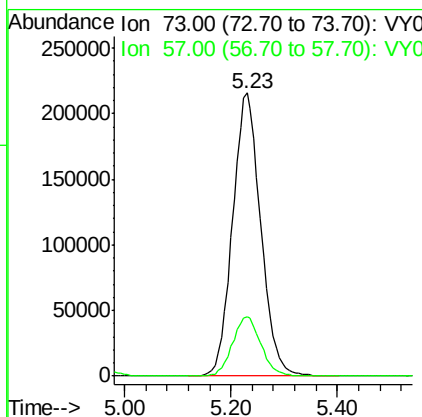
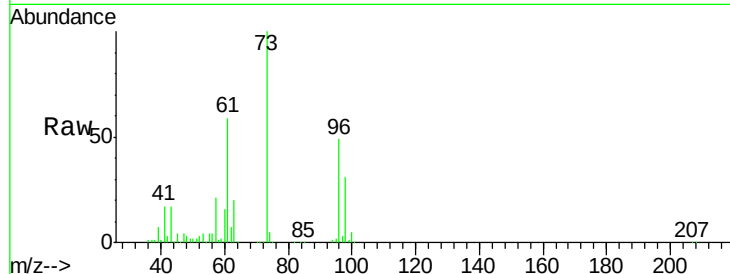
#19
Methyl tert-butyl Ether
Concen: 102.827 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.3	25.9

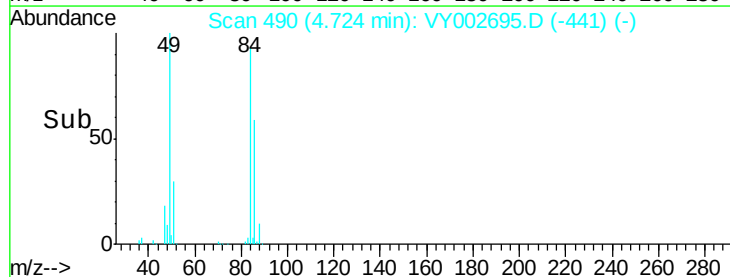
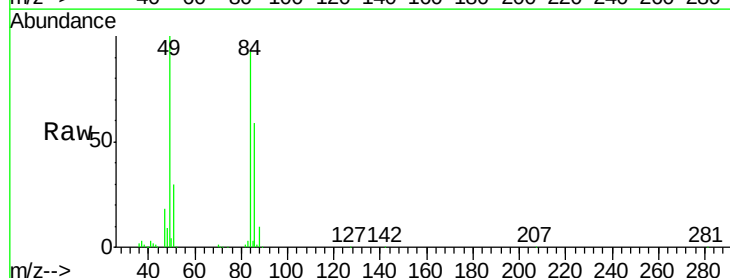
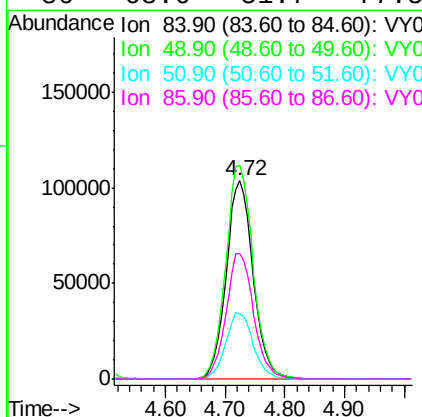
Manual Integrations
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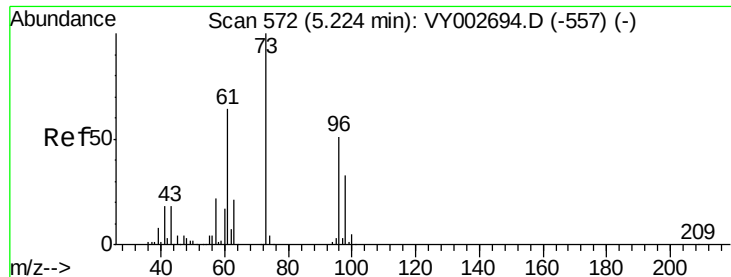
MMDadoda
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#20
Methylene Chloride
Concen: 97.047 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.9	87.4	131.0
51	32.9	27.9	41.9
86	63.6	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 104.244 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

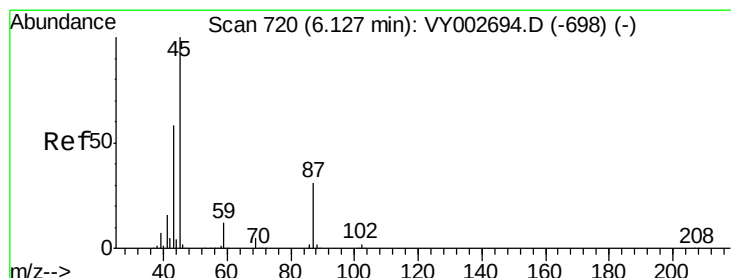
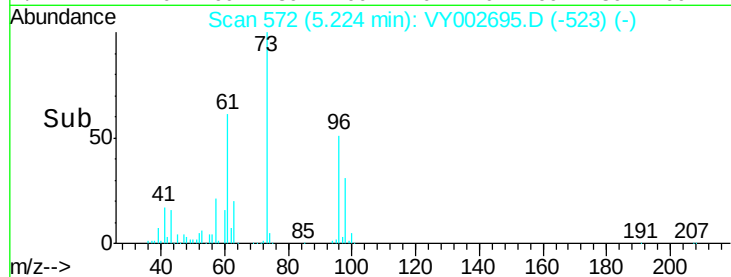
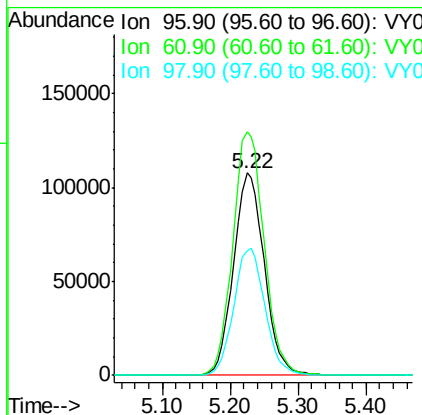
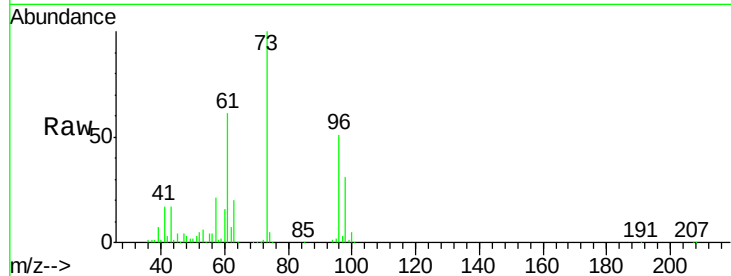
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	338630
Ion	Ratio	Lower	Upper
96	100		
61	120.3	99.6	149.4
98	61.6	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 101.492 ug/l

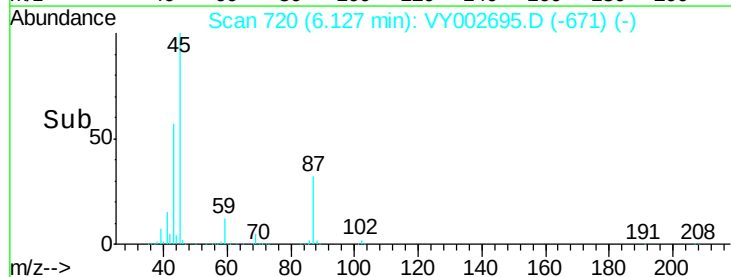
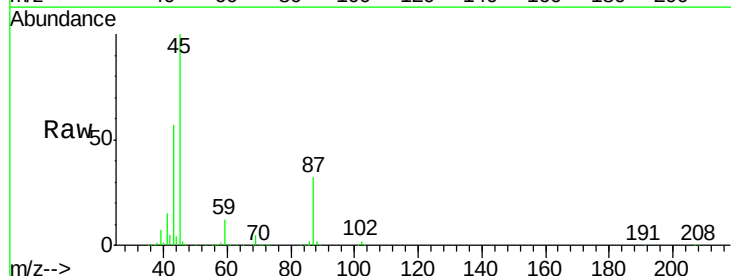
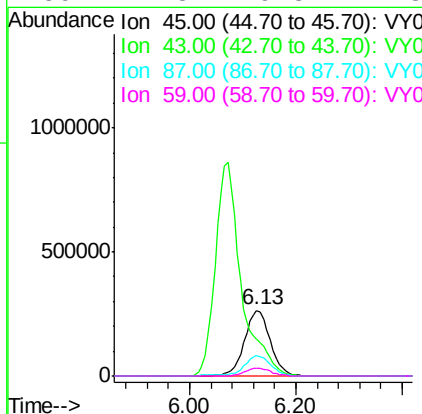
RT: 6.13 min Scan# 720

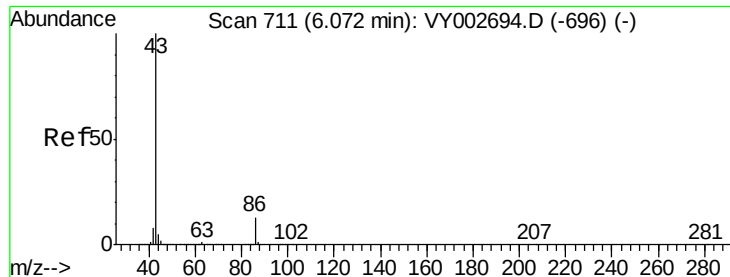
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	45	Resp:	884548
Ion	Ratio	Lower	Upper
45	100		
43	56.7	46.1	69.1
87	31.6	24.9	37.3
59	12.3	9.8	14.8





#23

Vinyl Acetate

Concen: 530.817 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2916158

Ion Ratio Lower Upper

43 100

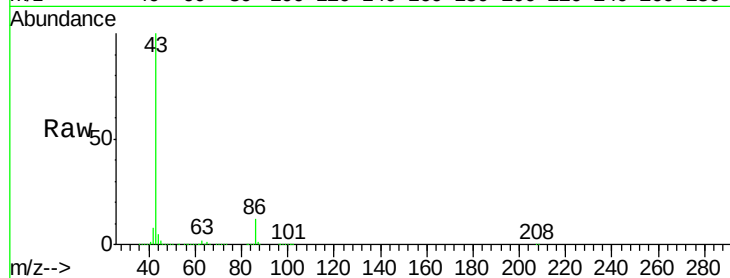
86 12.3 10.1 15.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

800000

600000

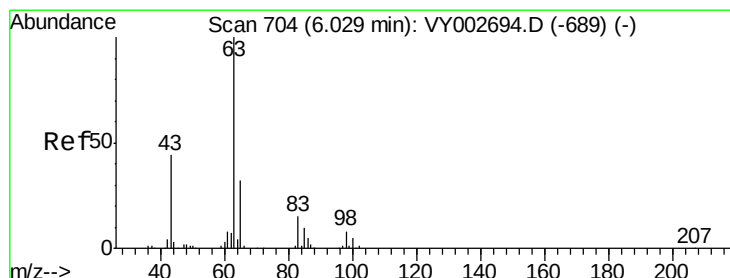
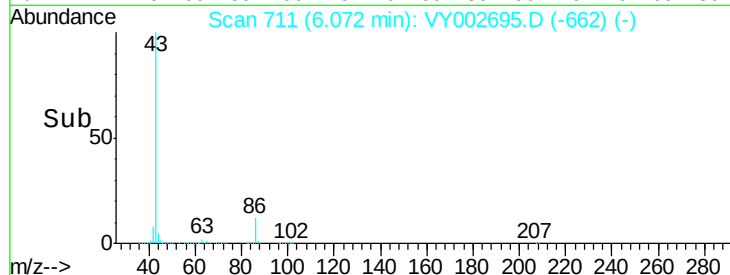
400000

200000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 102.646 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

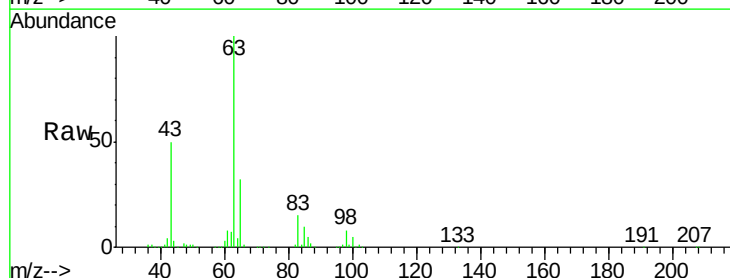
Tgt Ion: 63 Resp: 528634

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

100 5.1 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

200000

150000

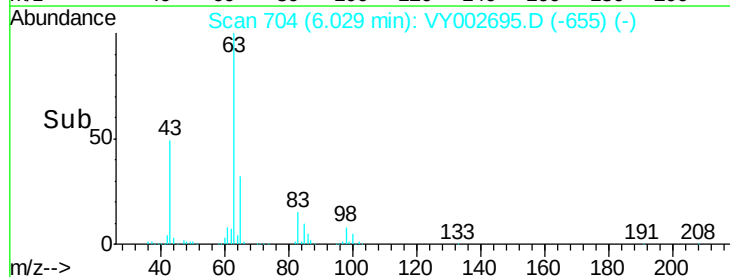
100000

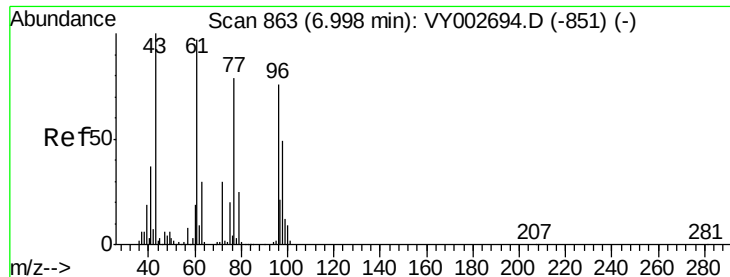
50000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 508.113 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 492684

Ion Ratio Lower Upper

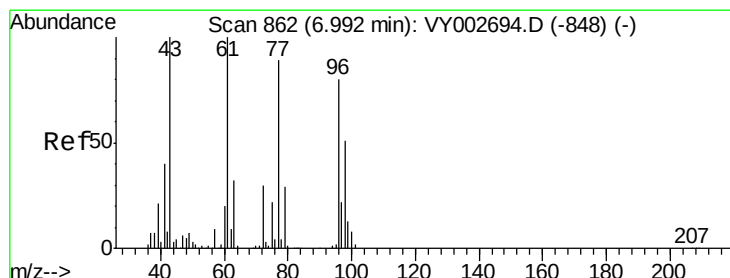
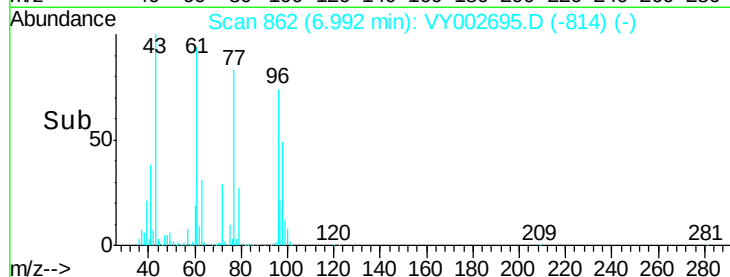
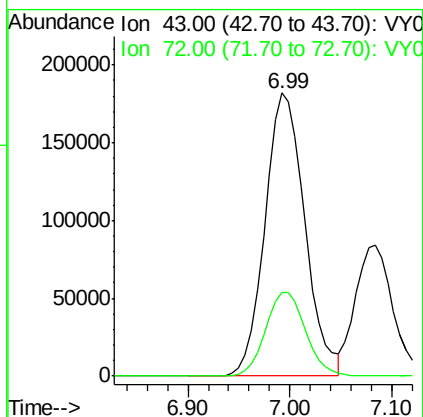
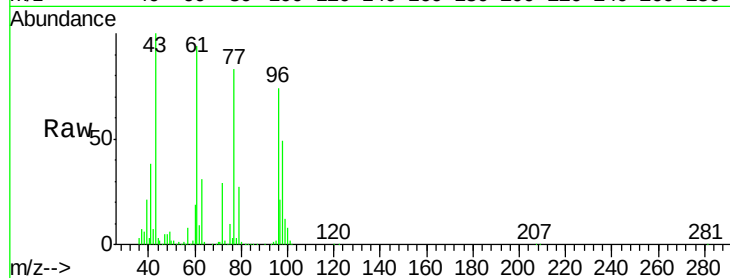
43 100

72 29.4 24.1 36.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 96.617 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002695.D

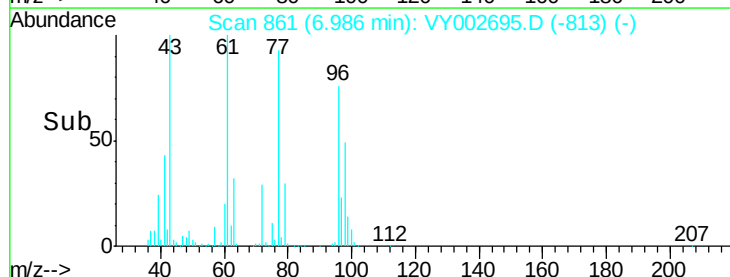
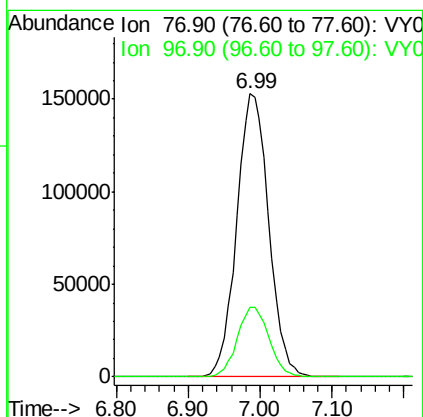
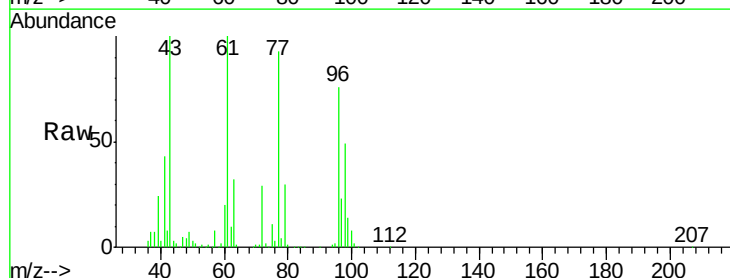
Acq: 15 May 2020 12:55

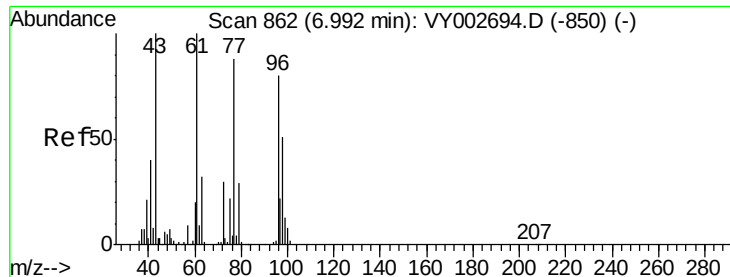
Tgt Ion: 77 Resp: 471812

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

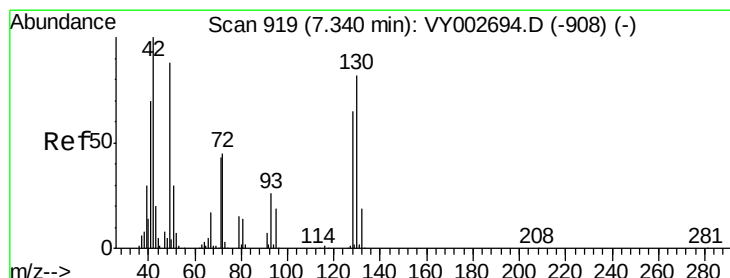
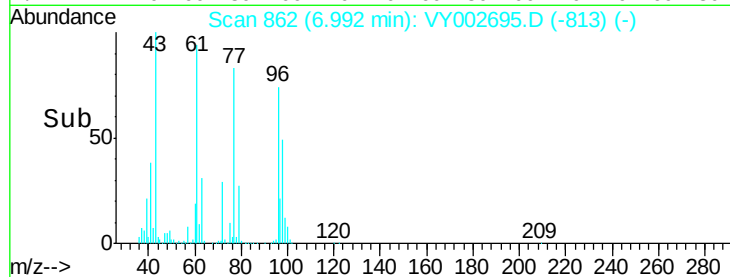
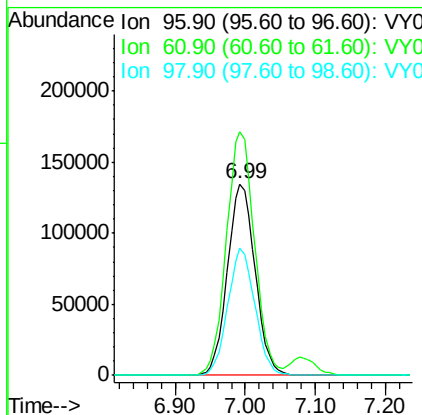
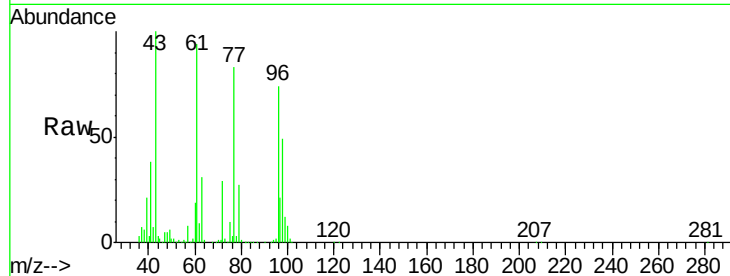
cis-1,2-Dichloroethene
Concen: 102.655 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	369398		
61	130.0		0.0	258.0
98	65.1		0.0	128.4

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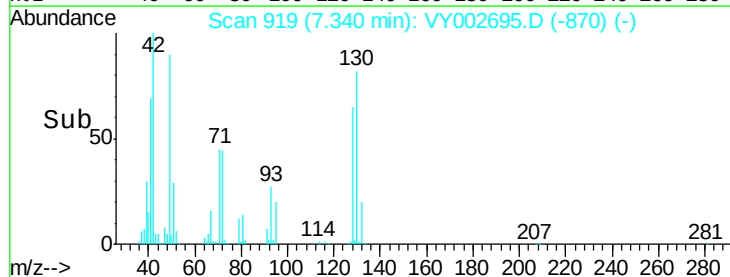
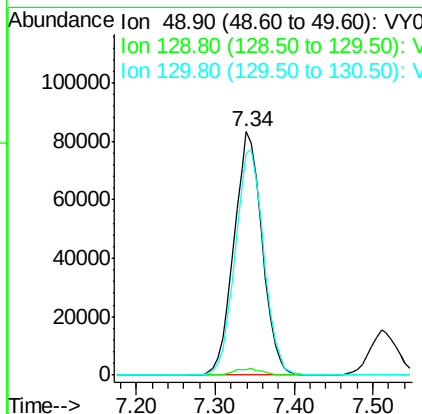
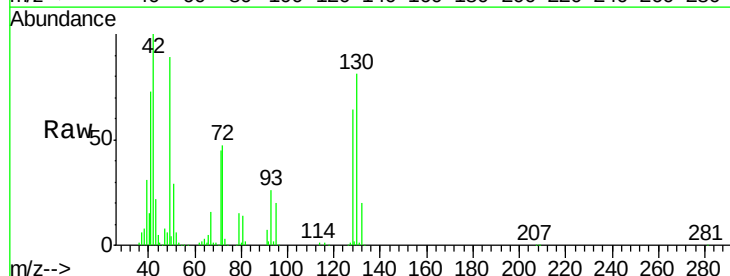
MMDadoda
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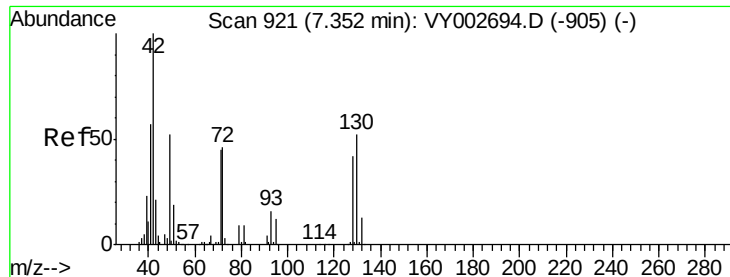


#28

Bromochloromethane
Concen: 98.506 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	207110		
129	2.6		0.0	4.6
130	93.9		75.3	112.9





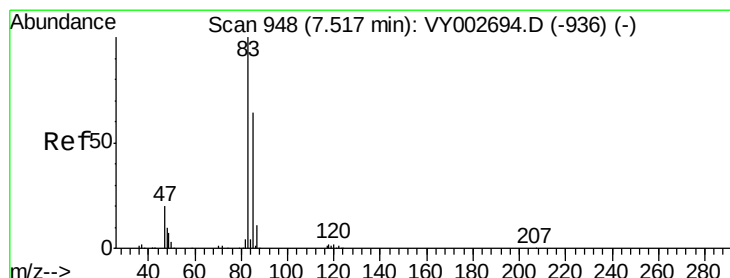
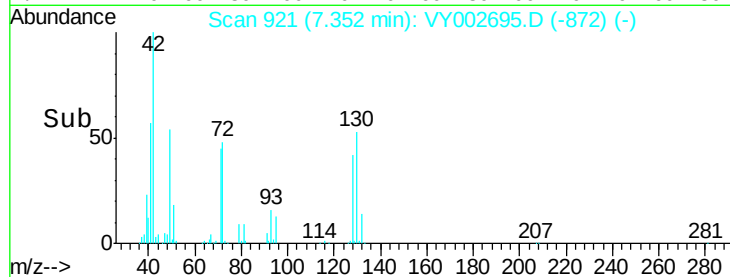
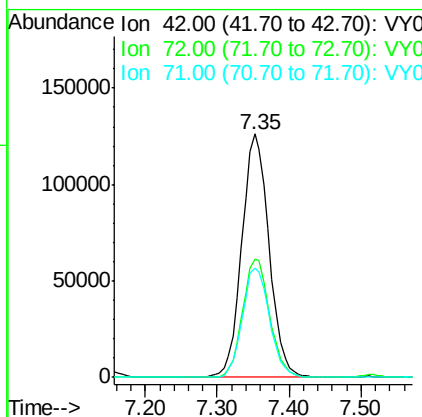
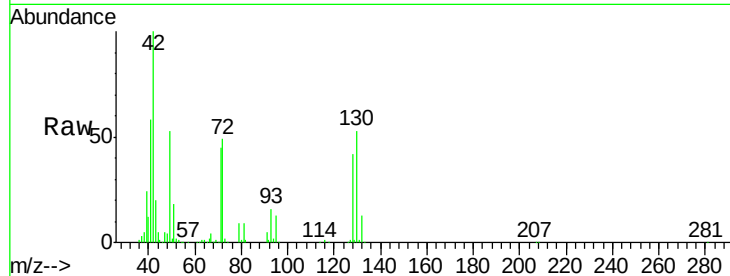
#29
Tetrahydrofuran
Concen: 514.053 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	331357
Ion	Ratio	Lower	Upper
42	100		
72	48.4	38.2	57.2
71	44.9	35.8	53.8

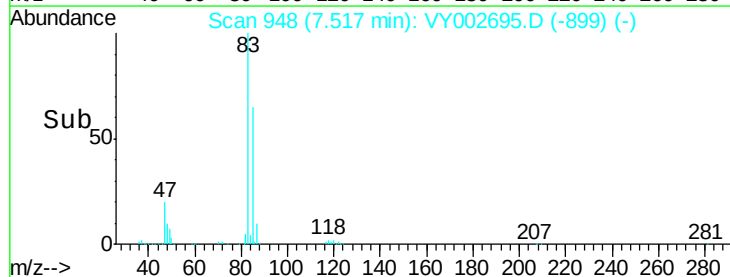
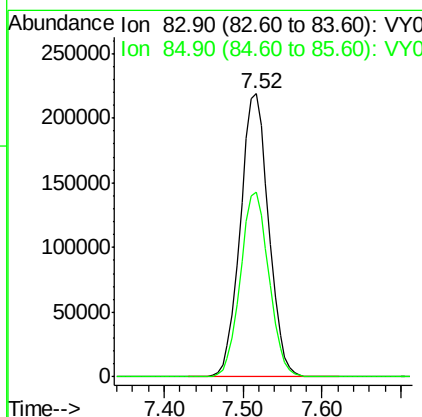
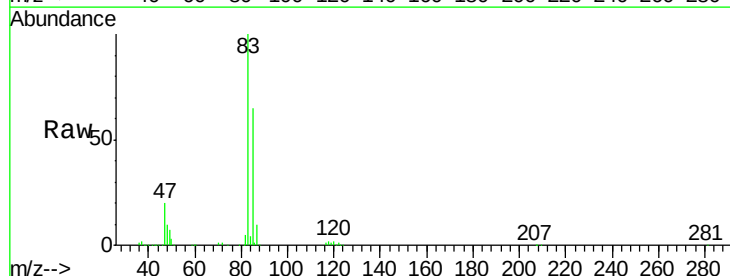
Manual Integrations
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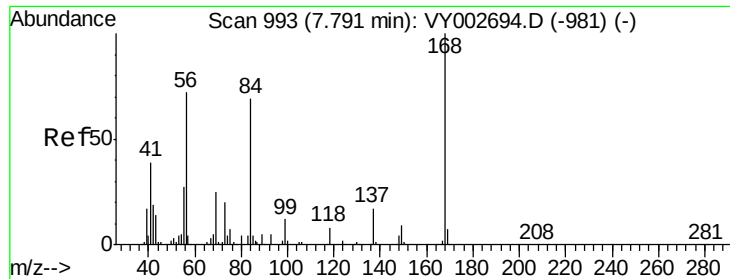
MMDadoda
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#30
Chloroform
Concen: 101.790 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion:	83	Resp:	547364
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





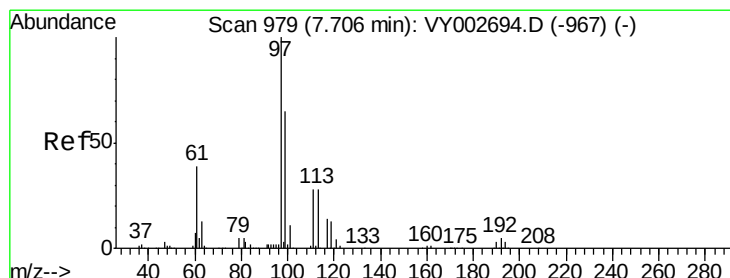
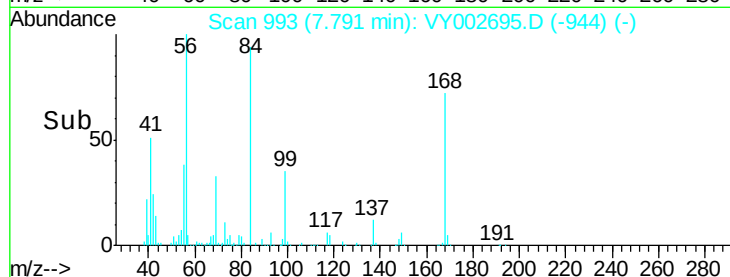
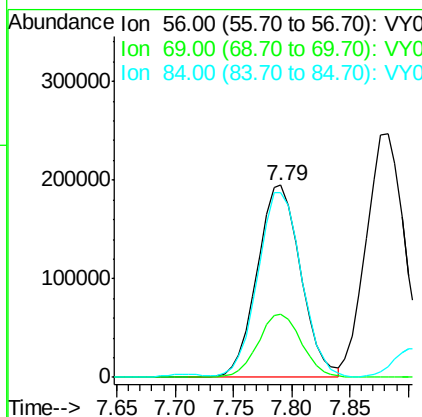
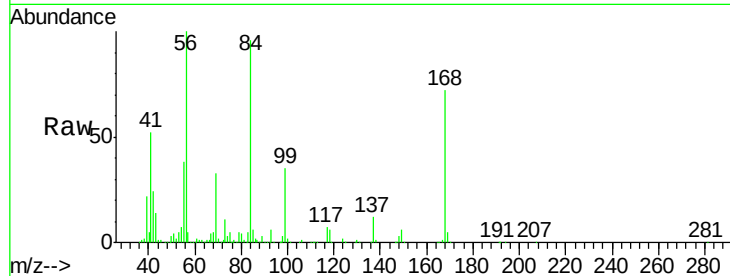
#31
Cyclohexane
Concen: 97.211 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.7	41.5
84	94.6	77.0	115.4

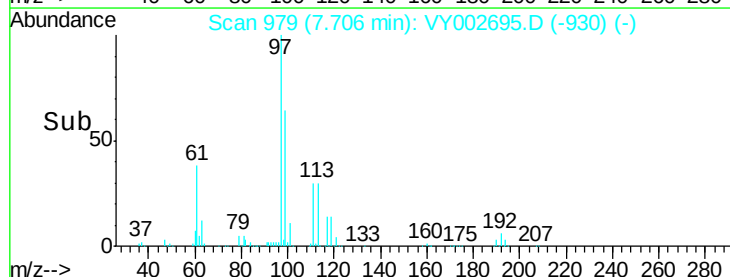
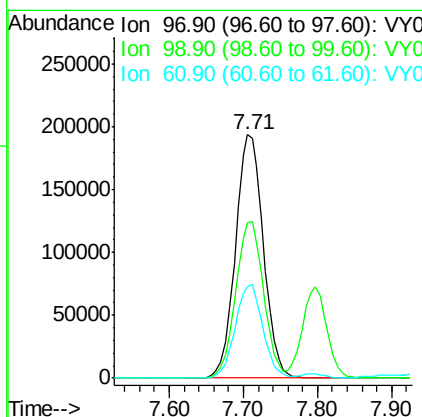
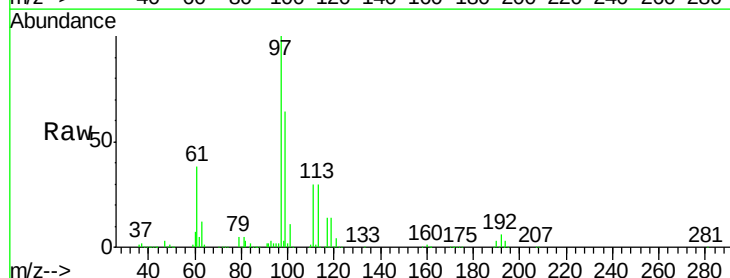
Manual Integrations
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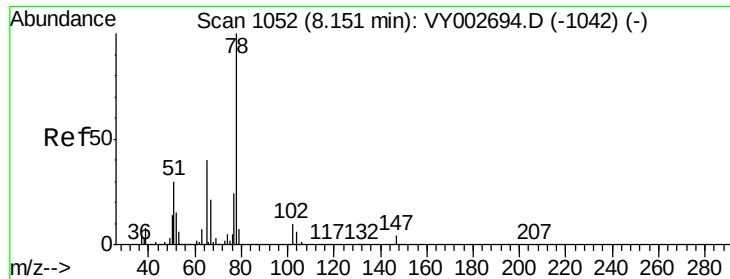
MMDadoda
5/18/2020 1:36:08 PM



#32
1,1,1-Trichloroethane
Concen: 101.906 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	38.1	30.6	45.8





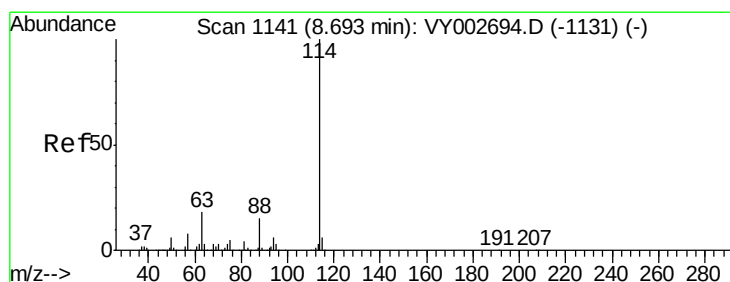
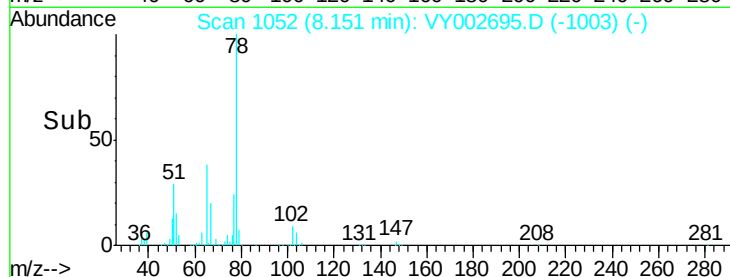
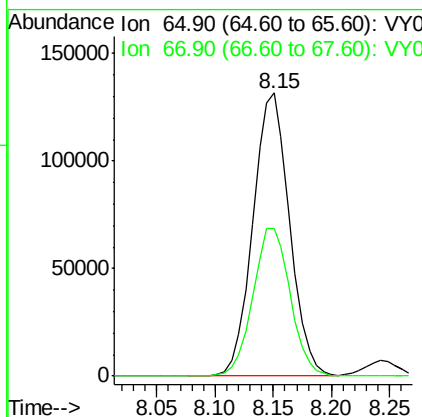
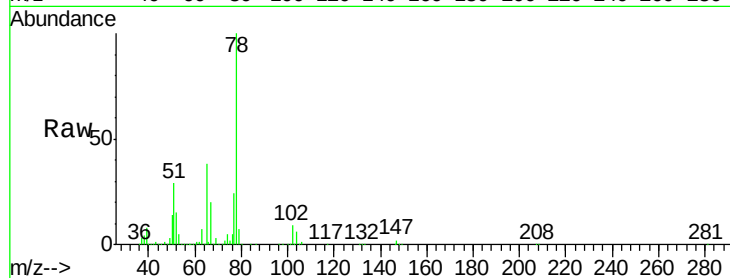
#33
 1,2-Dichloroethane-d4
 Concen: 99.805 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	109.0	

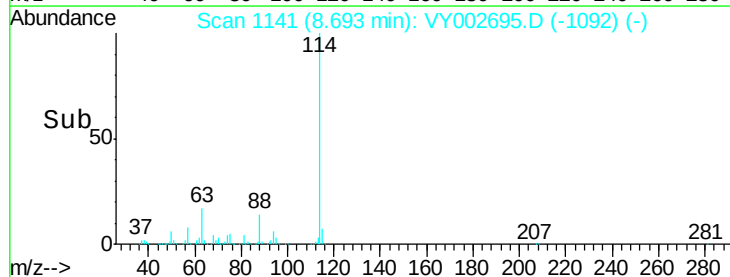
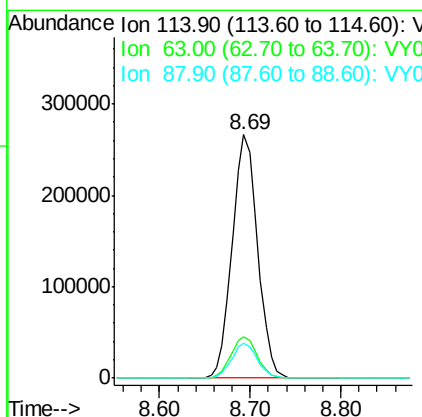
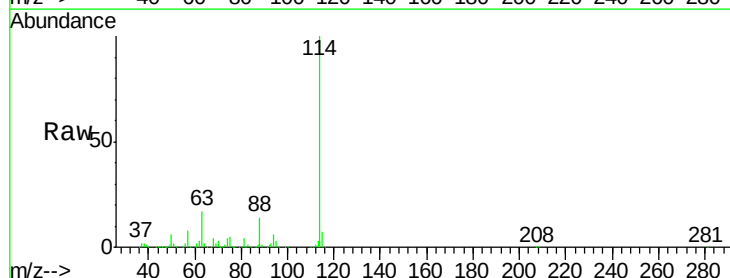
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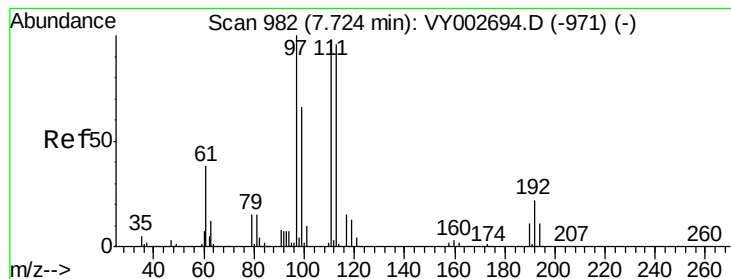
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	35.4	
88	14.3	0.0	29.4	





#35

Dibromofluoromethane

Concen: 100.661 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

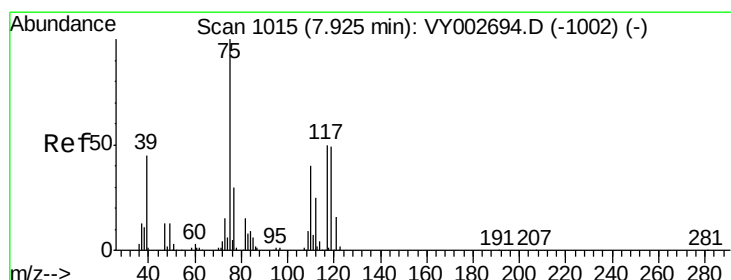
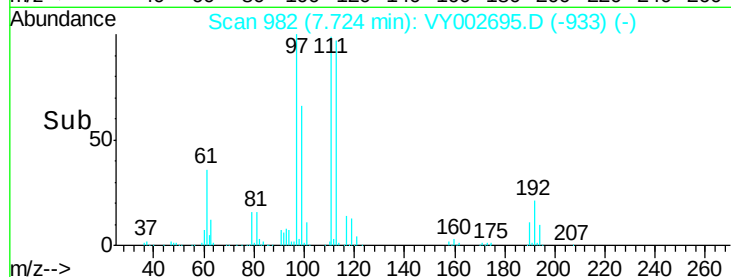
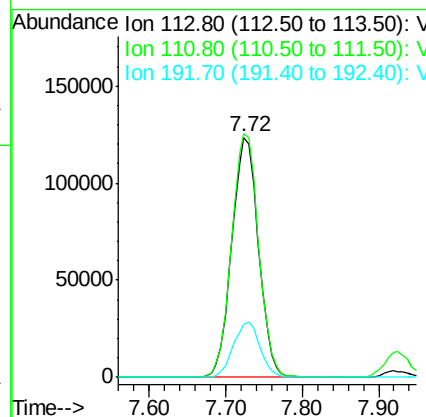
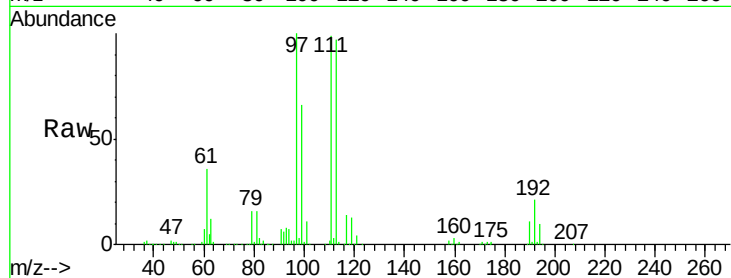
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	297566
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	23.1	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 102.010 ug/l

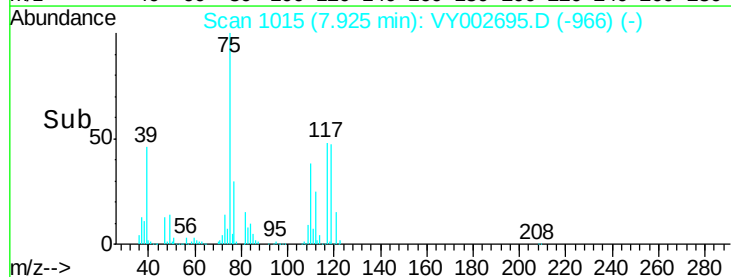
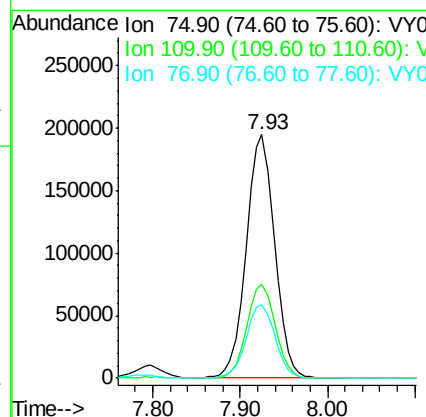
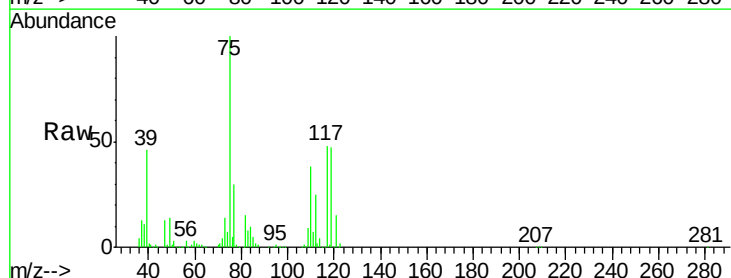
RT: 7.93 min Scan# 1015

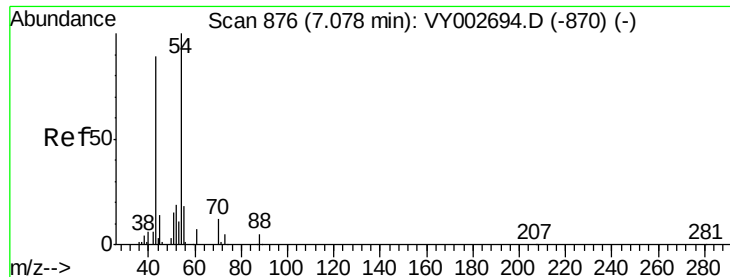
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	75	Resp:	440008
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.4	58.4
77	30.9	25.0	37.4





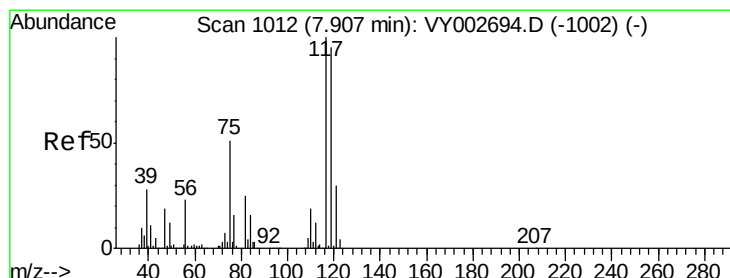
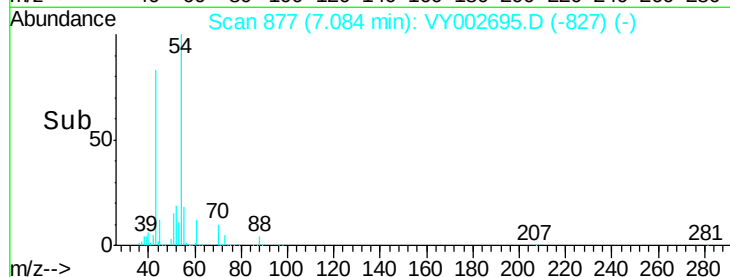
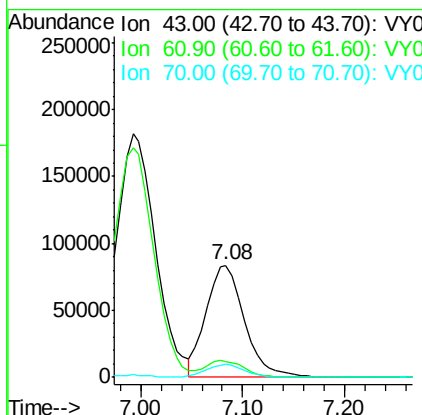
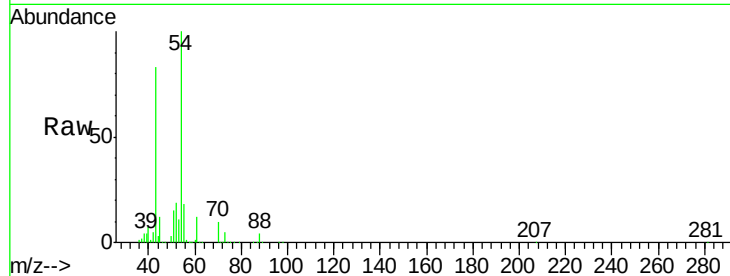
#37
Ethyl Acetate
Concen: 98.719 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	11.7	9.2	13.8

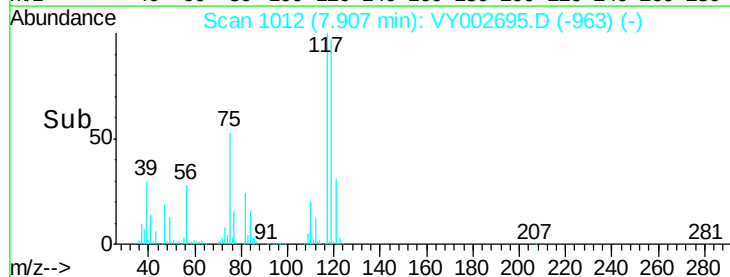
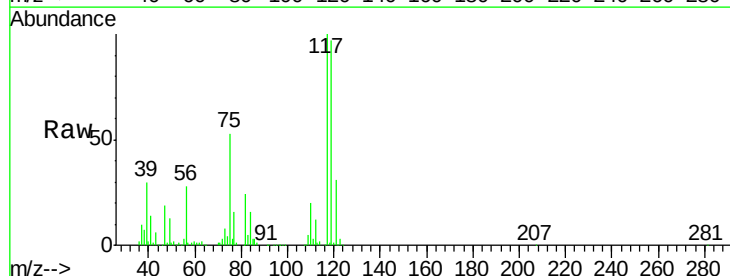
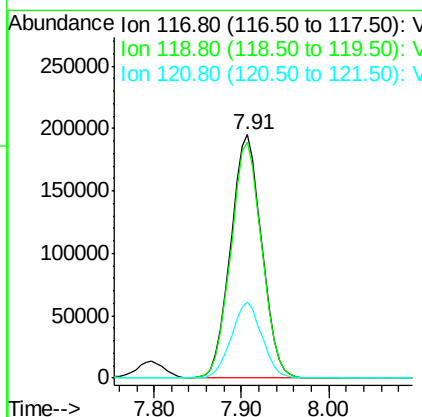
Manual Integrations
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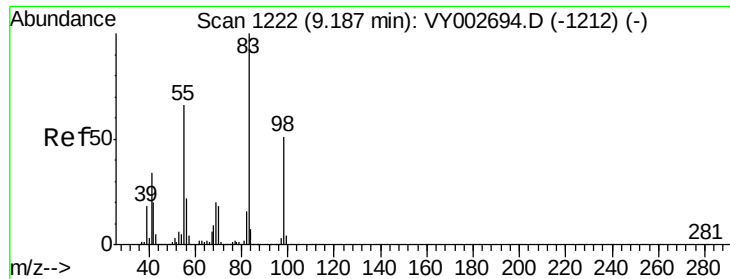
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#38
Carbon Tetrachloride
Concen: 102.070 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.3	114.5
121	31.1	24.2	36.2





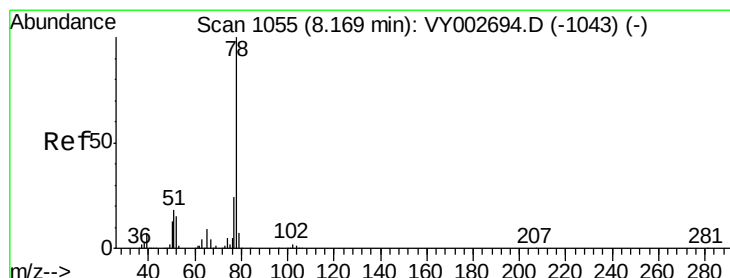
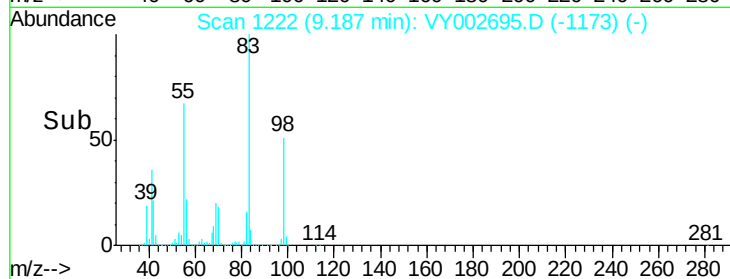
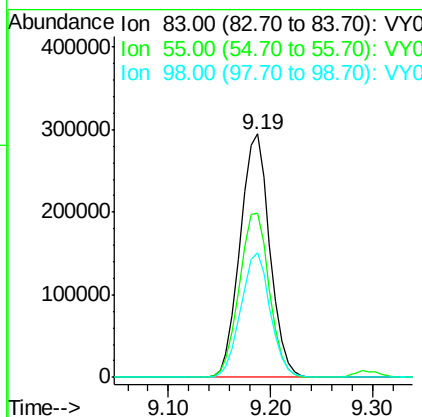
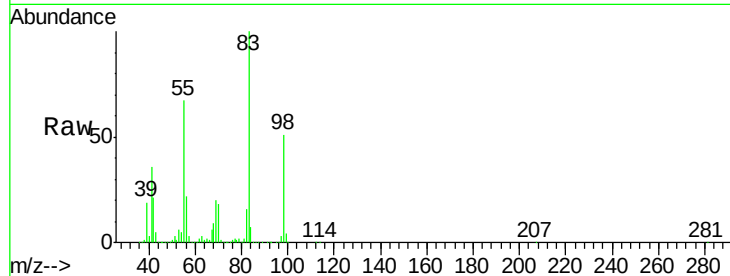
#39
Methylvlcyclohexane
Concen: 104.148 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	595661		
55	67.2		53.0	79.6
98	51.3		40.8	61.2

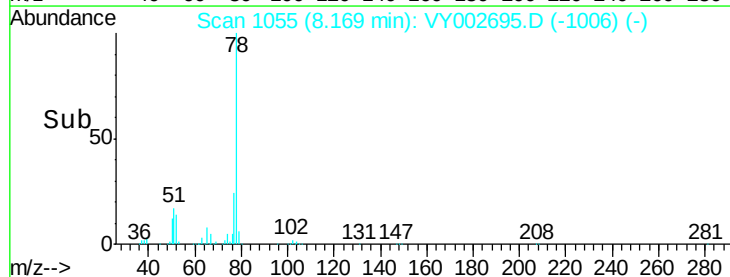
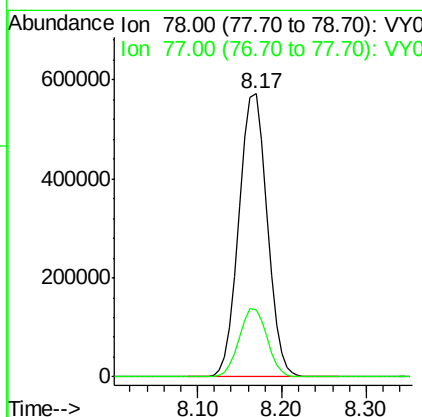
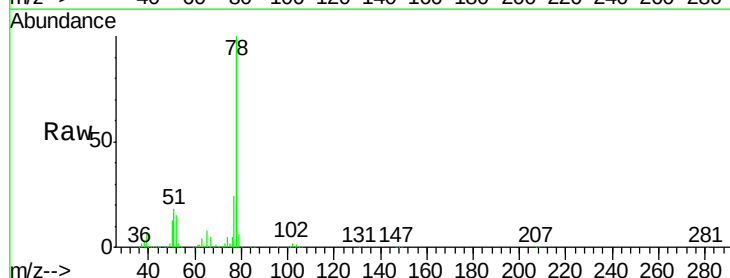
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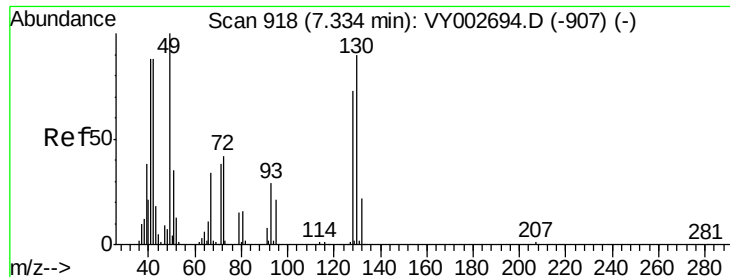
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#40
Benzene
Concen: 103.078 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1291504		
77	23.8		19.2	28.8





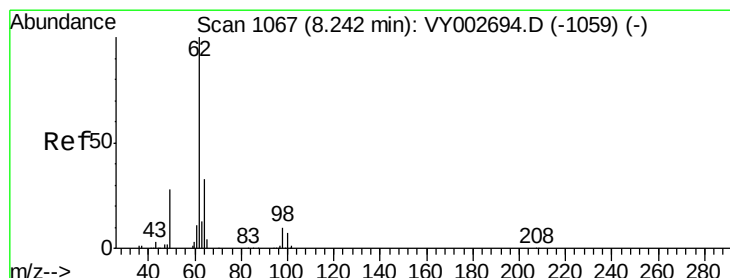
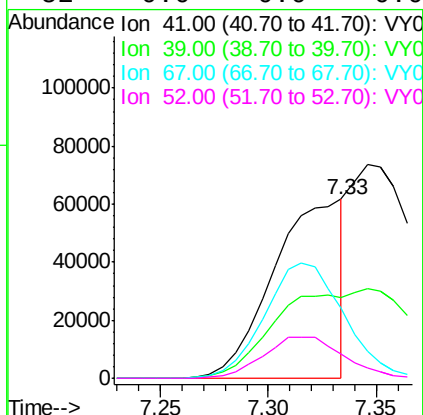
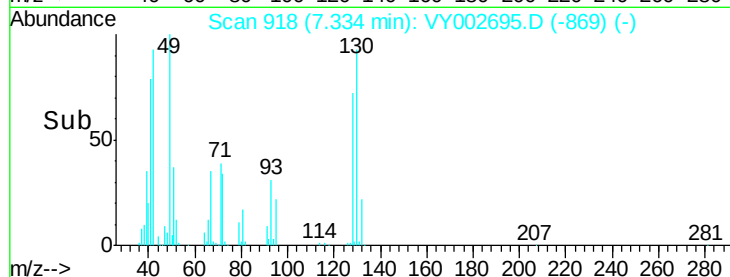
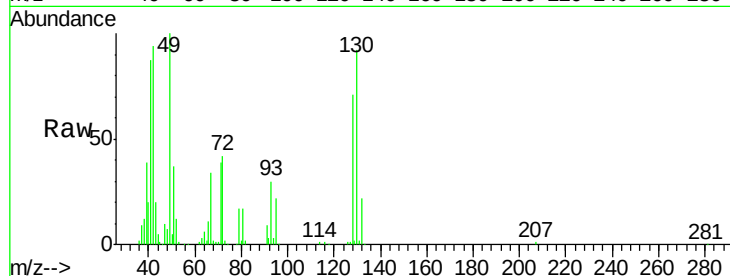
#41
Methacrylonitrile
Concen: 117.273 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	139974
Ion	Ratio	Lower	Upper
41	100		
39	97.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

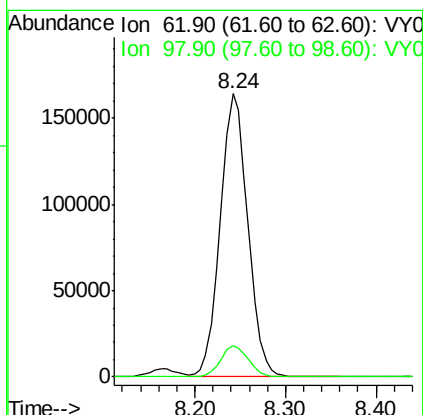
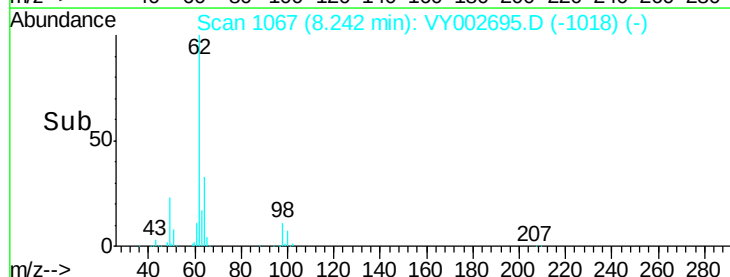
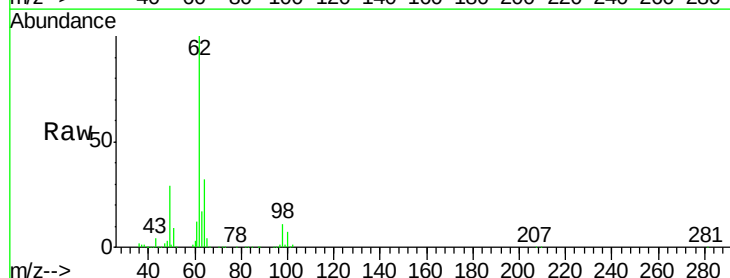
Manual Integrations
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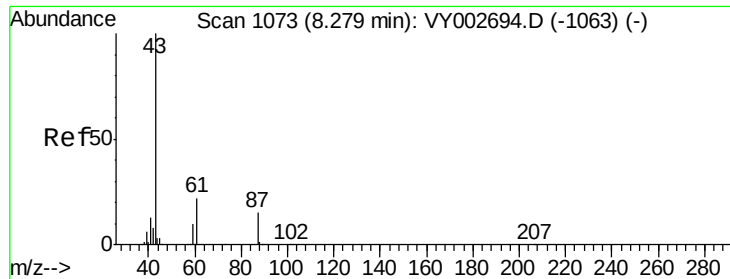
MMDadoda
5/18/2020 1:36:08 PM



#42
1,2-Dichloroethane
Concen: 100.120 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	62	Resp	347513
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.8





#43

Isopropyl Acetate

Concen: 102.911 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

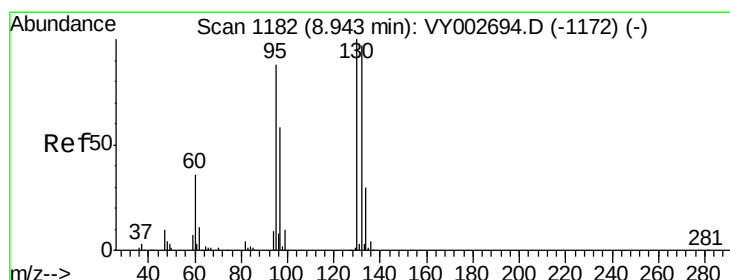
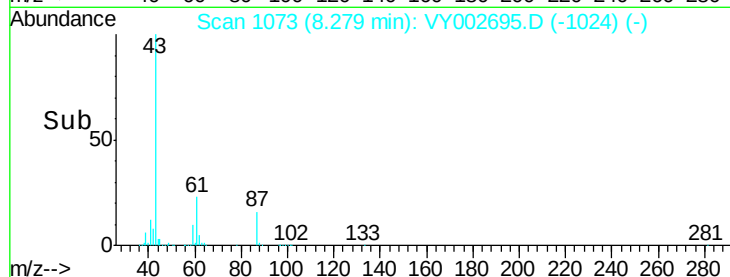
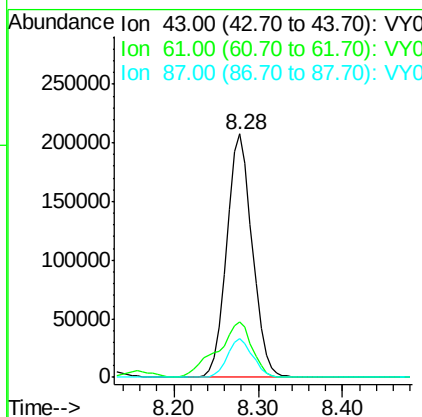
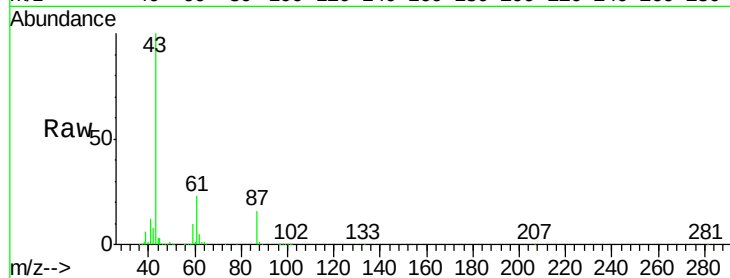
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	427585
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.9	37.3
87	15.8	12.6	19.0

Manual Integrations
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#44

Trichloroethene

Concen: 103.927 ug/l

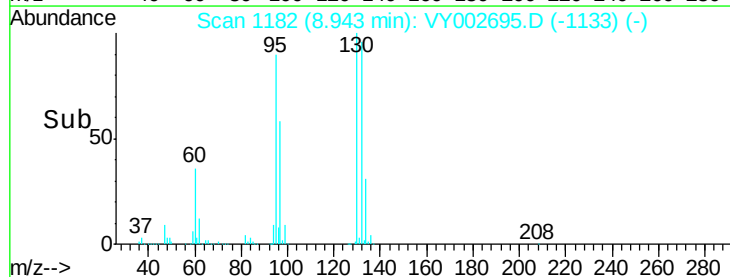
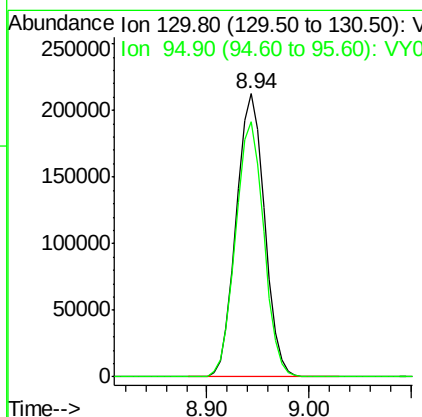
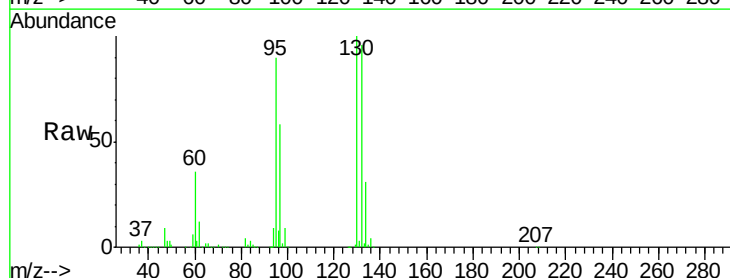
RT: 8.94 min Scan# 1182

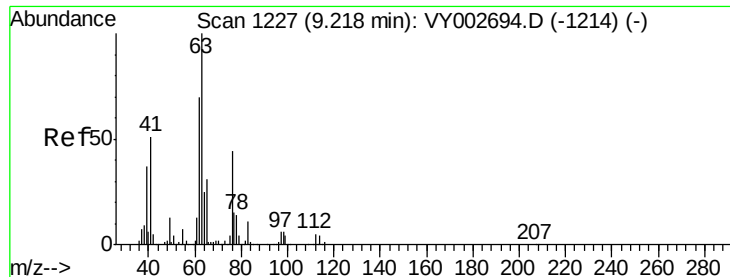
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	130	Resp:	408820
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	176.4





#45

1,2-Dichloropropane

Concen: 102.818 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 309382

Ion Ratio Lower Upper

63 100

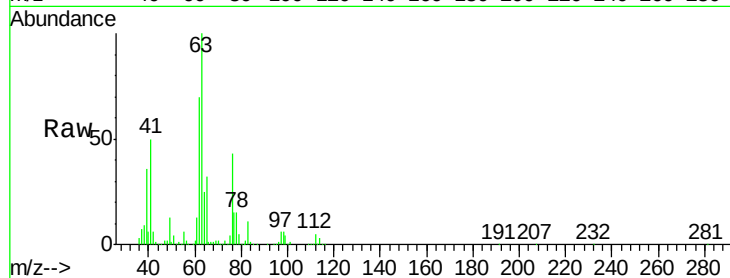
65 31.7 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

150000

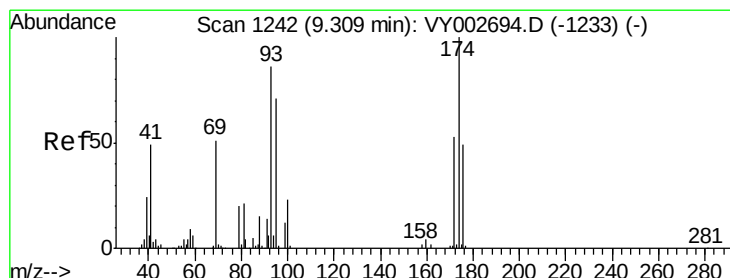
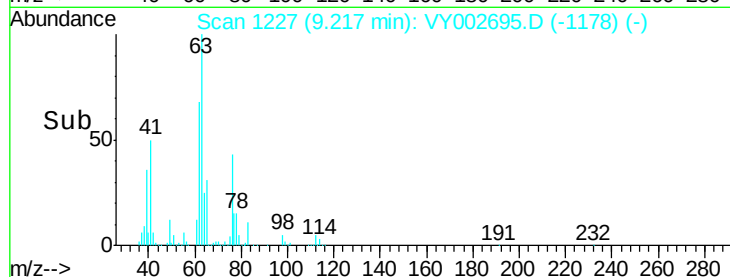
100000

50000

0

9.10 9.20 9.30

Time-->



#46

Dibromomethane

Concen: 102.161 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

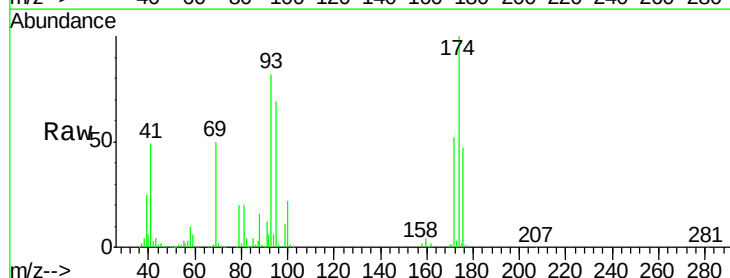
Tgt Ion: 93 Resp: 176924

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 120.0 95.6 143.4



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

150000

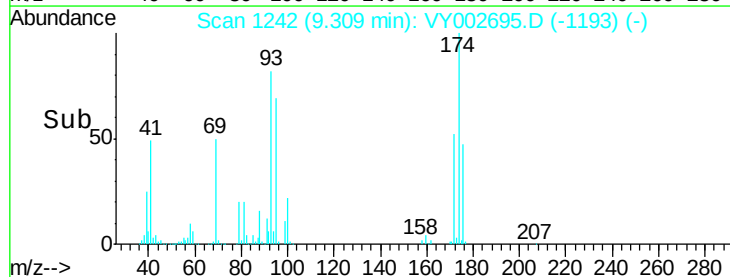
100000

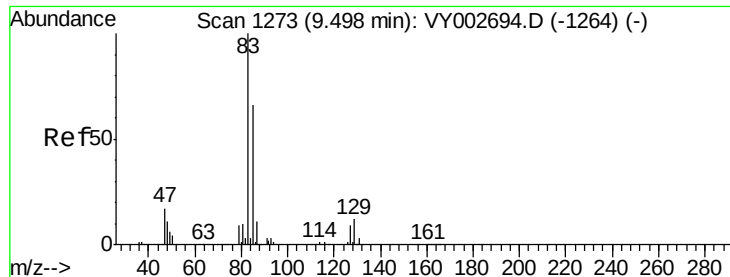
50000

0

9.20 9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 102.272 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

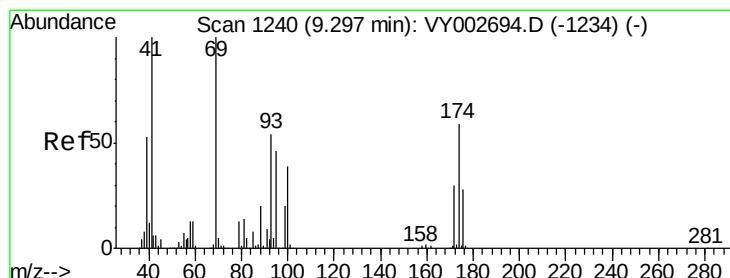
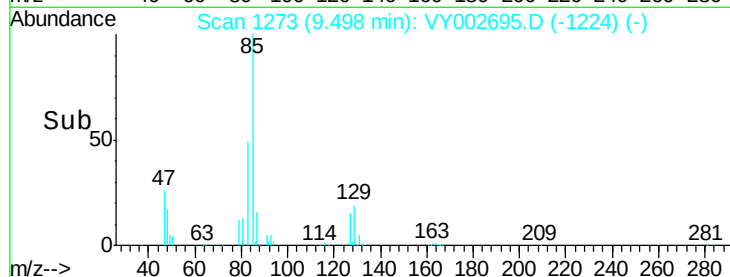
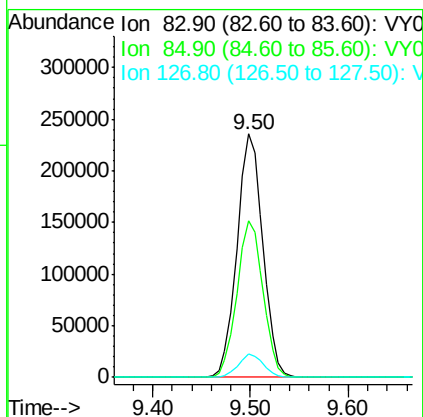
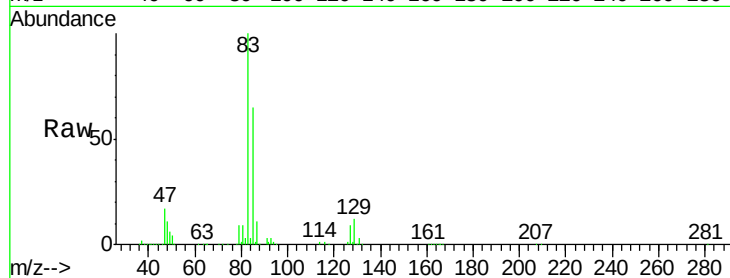
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	431072
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6
127	9.5	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 104.111 ug/l

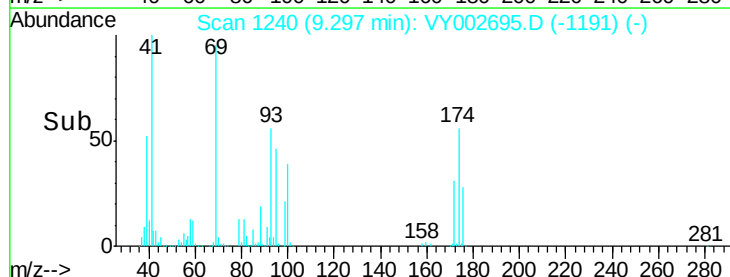
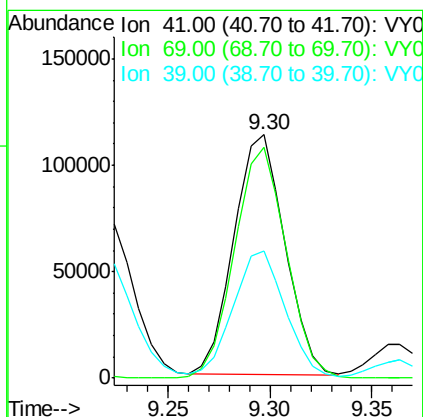
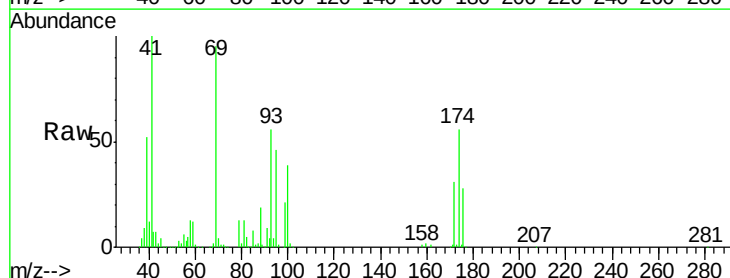
RT: 9.30 min Scan# 1240

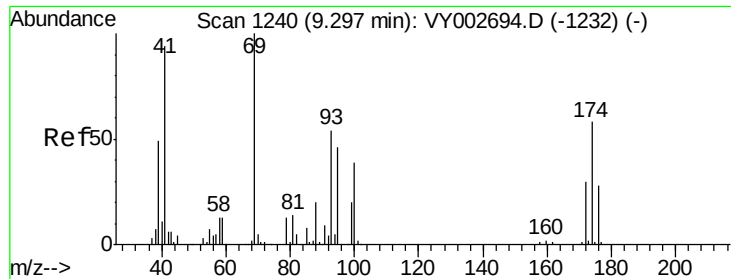
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	41	Resp:	195506
Ion	Ratio	Lower	Upper
41	100		
69	97.9	78.7	118.1
39	54.7	42.9	64.3





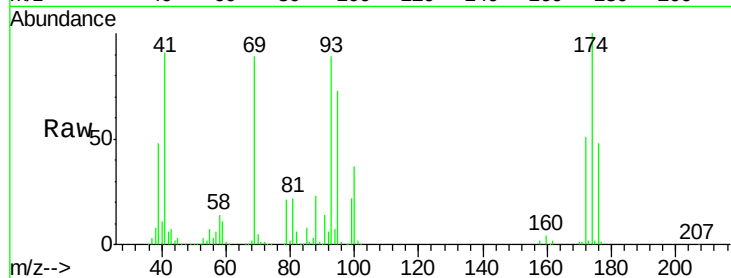
#49
1,4-Dioxane
Concen: 2214.893 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	50678
Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.4	35.0
58	61.9	54.5	81.7

Manual Integrations
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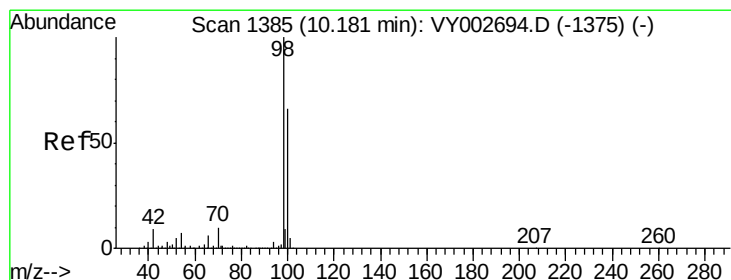
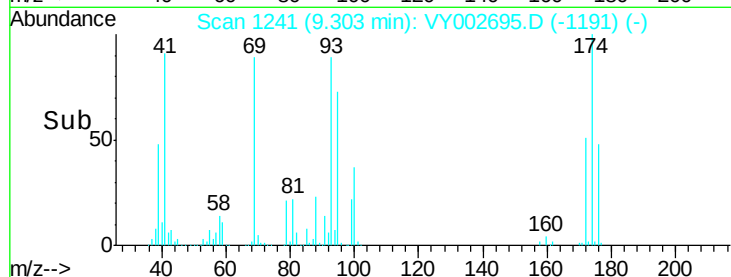
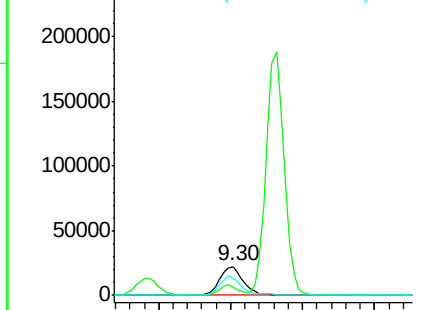


Abundance

Ion 88.00 (87.70 to 88.70): VY0

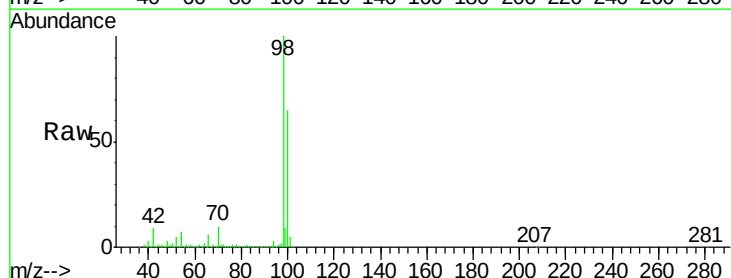
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 102.621 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

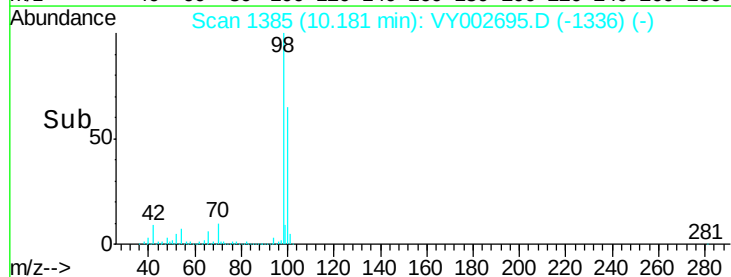
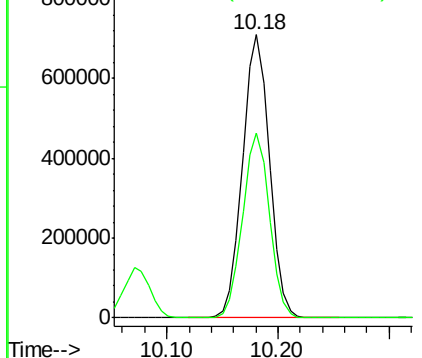
Tgt Ion	98	Resp	1189951
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

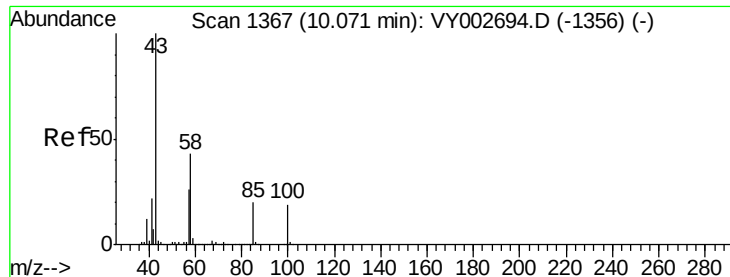


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 515.742 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1100558

Ion Ratio Lower Upper

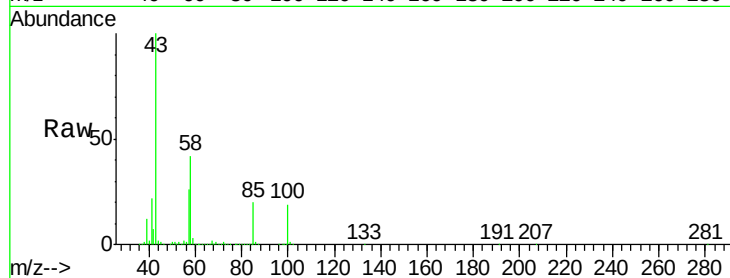
43 100

58 41.9 34.1 51.1

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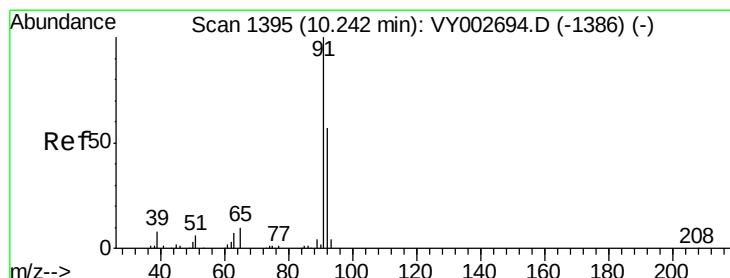
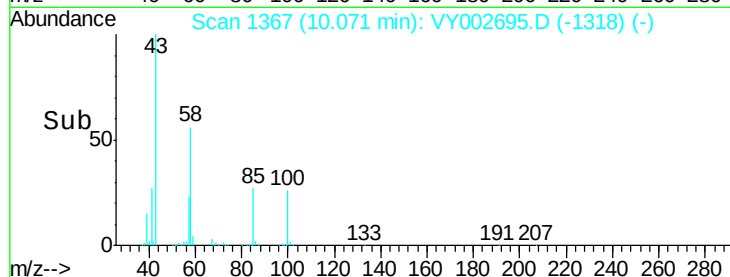
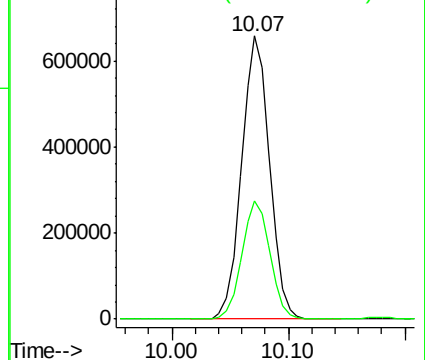
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 104.178 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002695.D

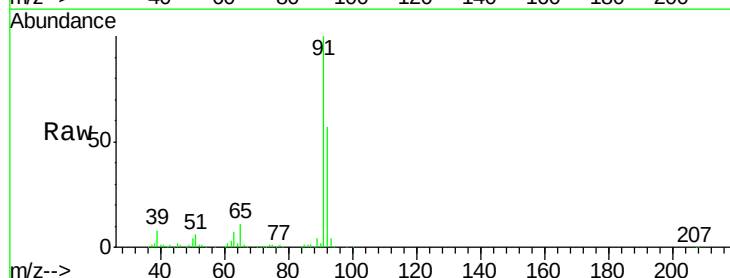
Acq: 15 May 2020 12:55

Tgt Ion: 92 Resp: 838868

Ion Ratio Lower Upper

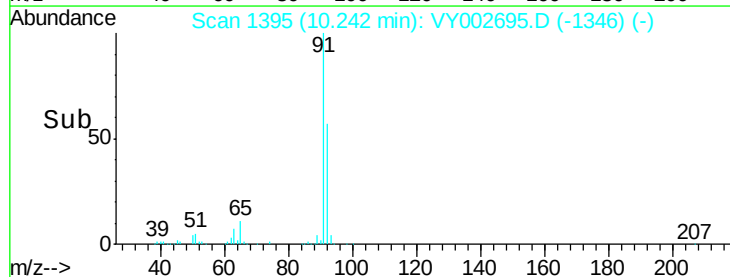
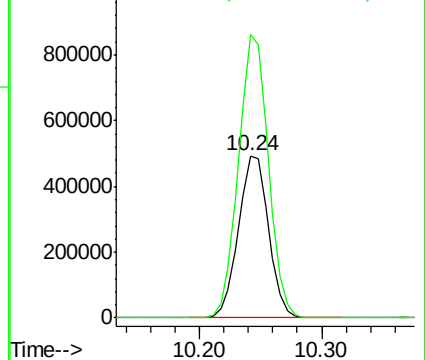
92 100

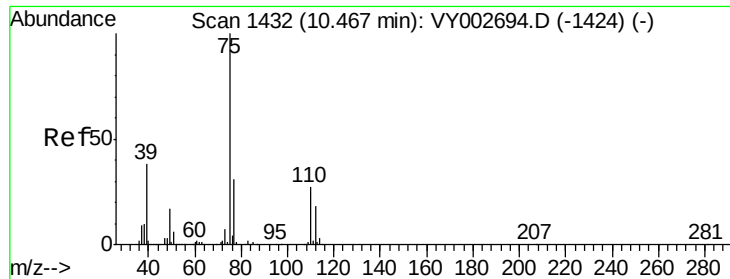
91 173.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 105.711 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 466564

Ion Ratio Lower Upper

75 100

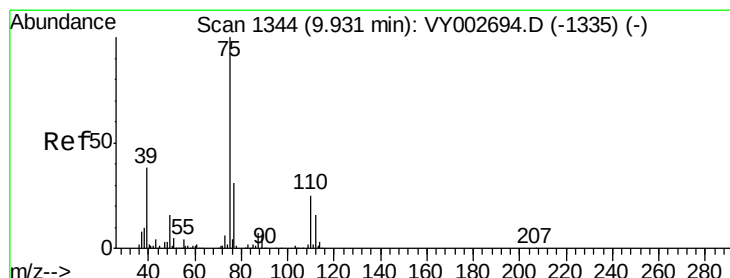
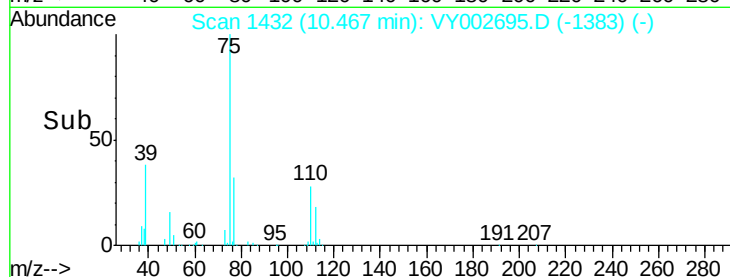
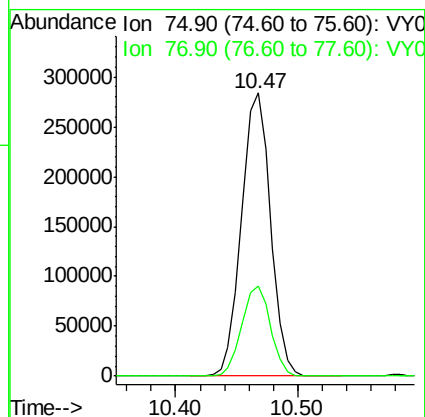
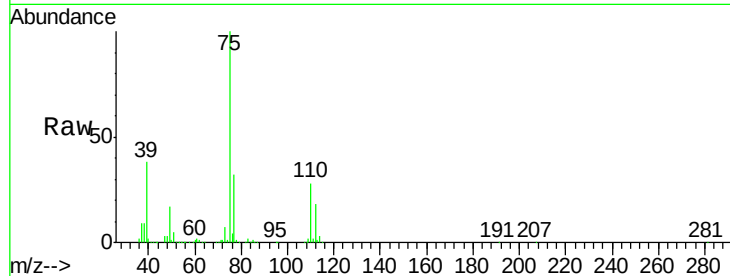
77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 104.248 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

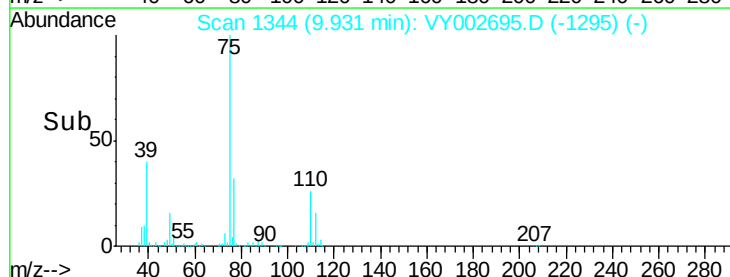
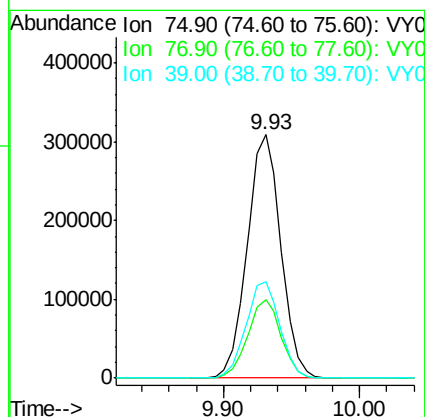
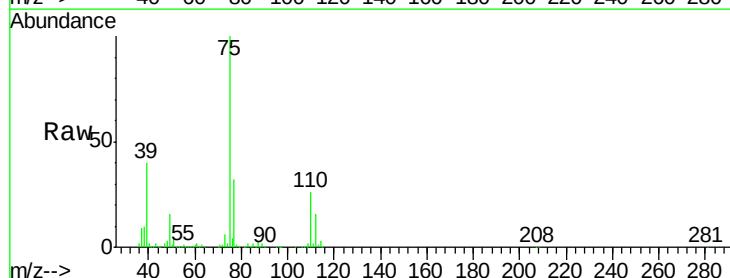
Tgt Ion: 75 Resp: 533578

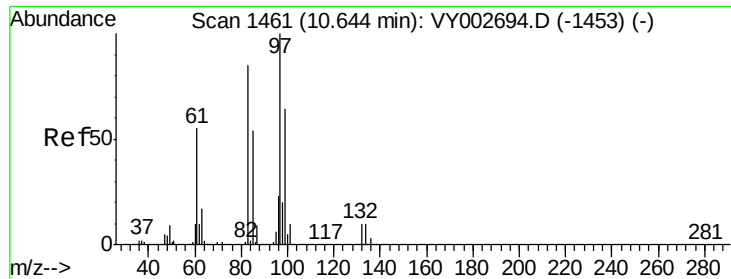
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 39.6 30.7 46.1





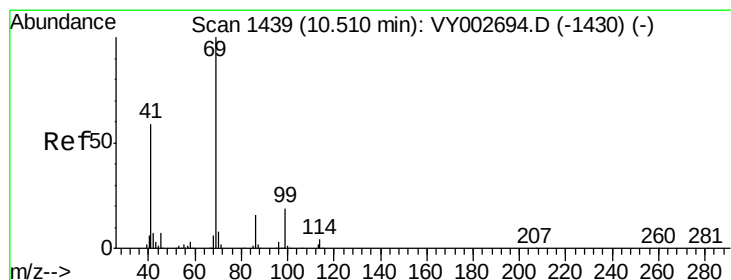
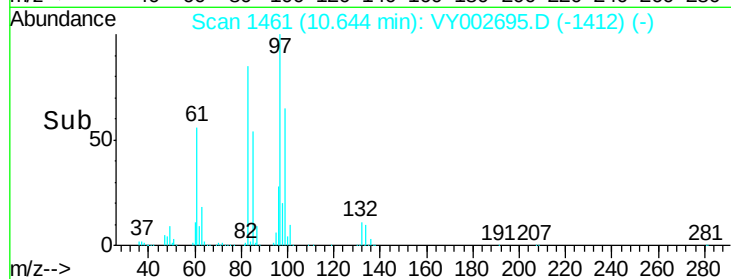
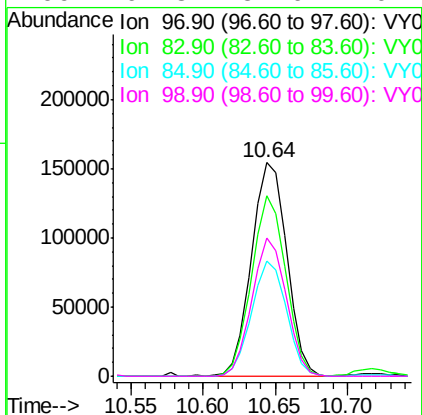
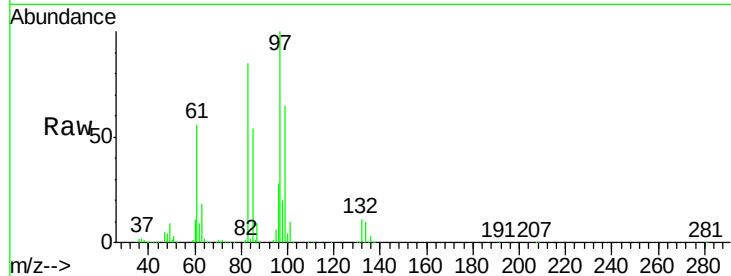
#55
 1,1,2-Trichloroethane
 Concen: 103.530 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	261546
Ion Ratio	Lower	Upper	
97	100		
83	84.7	68.1	102.1
85	54.0	43.1	64.7
99	64.8	51.0	76.4

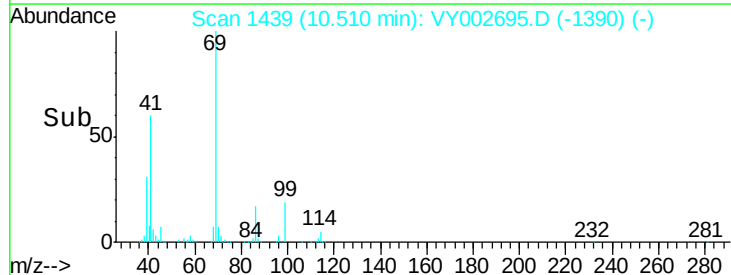
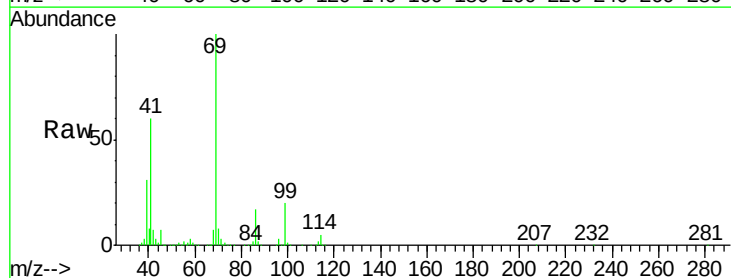
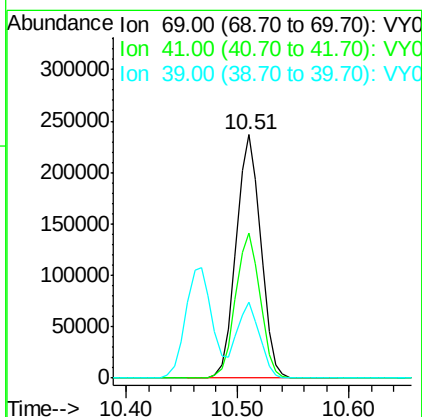
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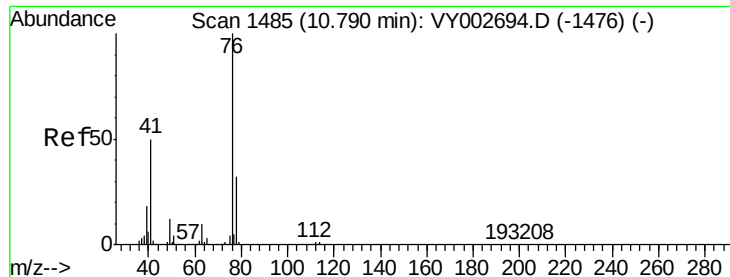
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#56
 Ethyl methacrylate
 Concen: 107.696 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion:	69	Resp:	362550
Ion Ratio	Lower	Upper	
69	100		
41	59.0	48.0	72.0
39	28.1	22.1	33.1





#57

1,3-Dichloropropane

Concen: 102.444 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 438613

Ion Ratio Lower Upper

76 100

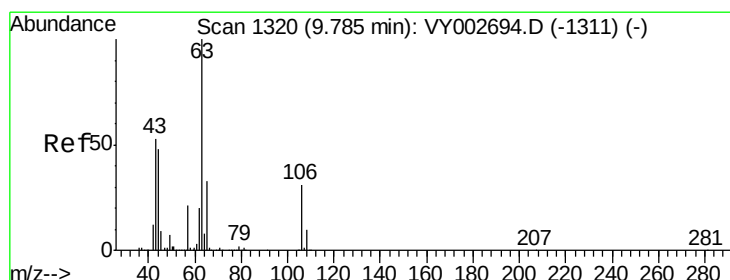
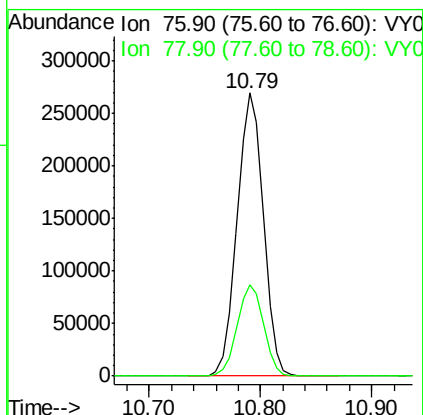
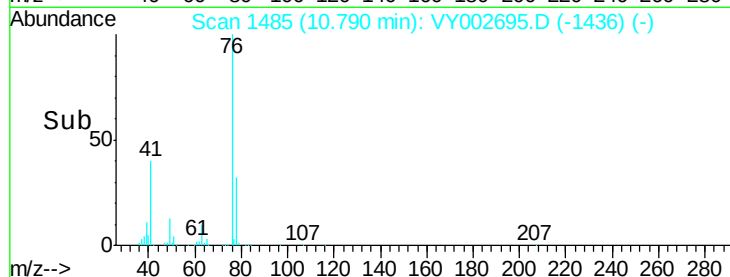
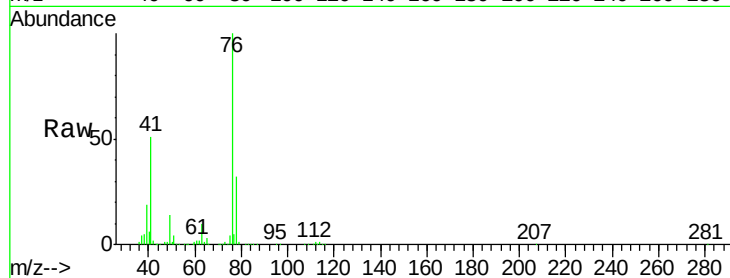
78 32.5 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 483.020 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002695.D

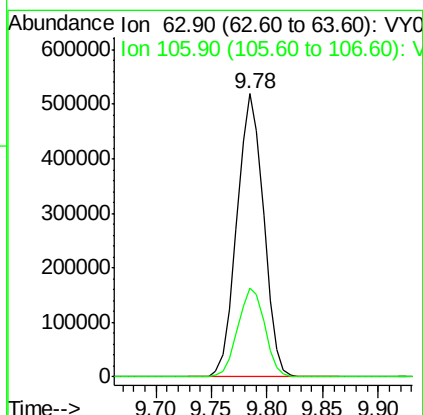
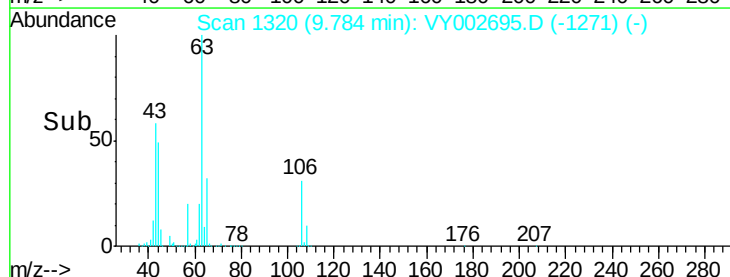
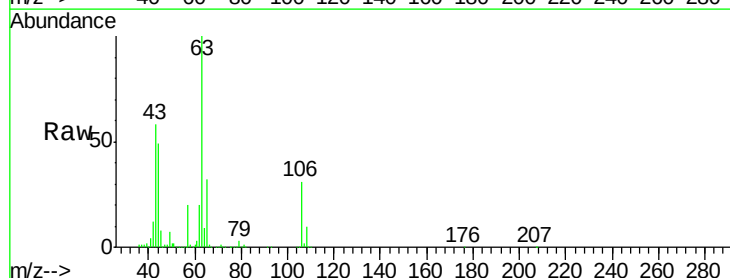
Acq: 15 May 2020 12:55

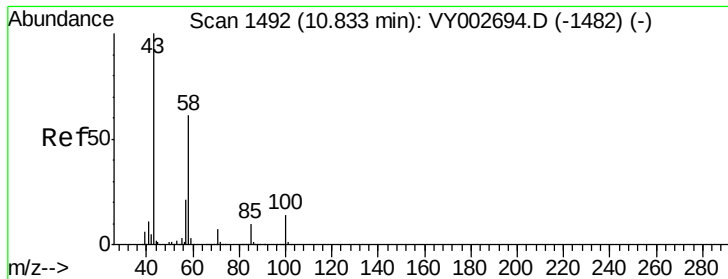
Tgt Ion: 63 Resp: 860568

Ion Ratio Lower Upper

63 100

106 31.6 25.1 37.7





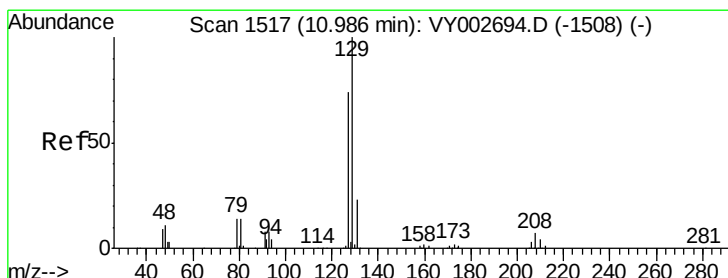
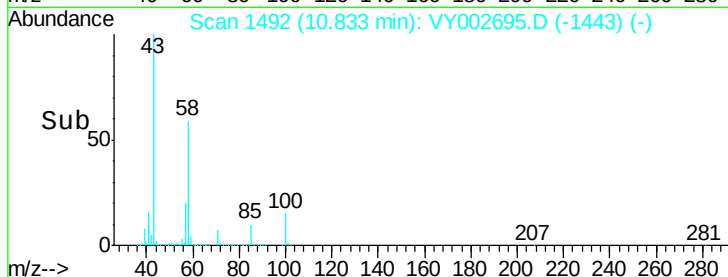
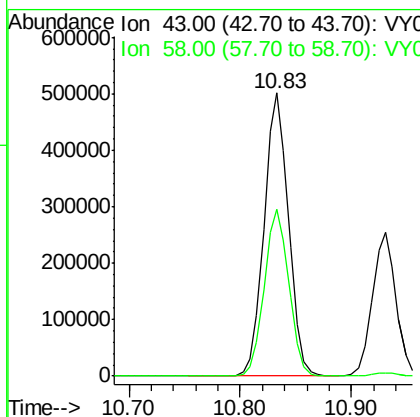
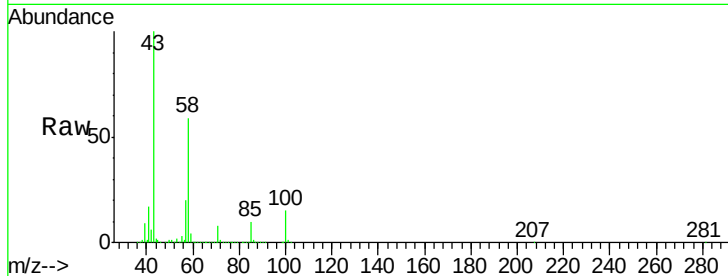
#59
2-Hexanone
Concen: 522.321 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.4	29.8	89.4

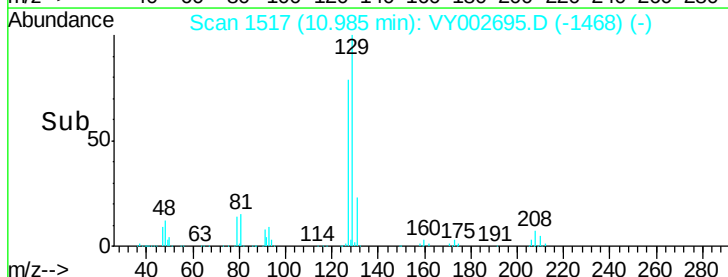
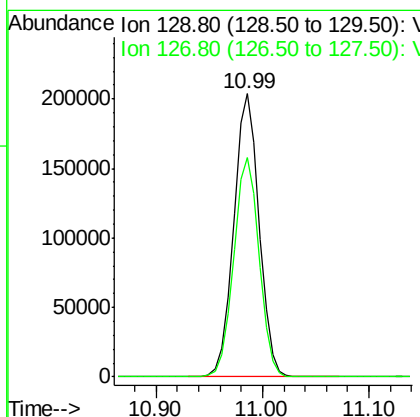
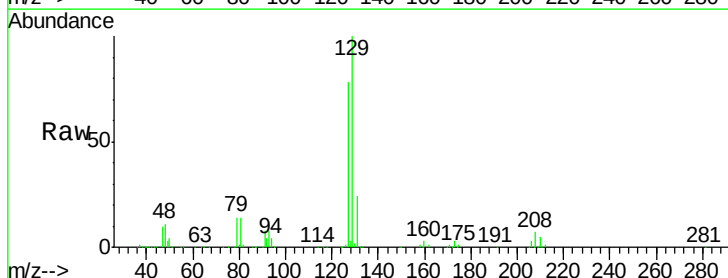
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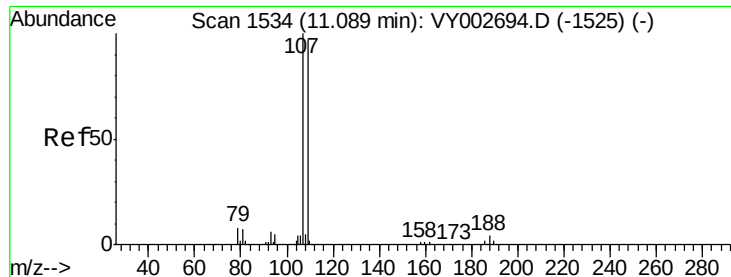
MMDadoda
5/18/2020 1:36:08 PM



#60
Dibromochloromethane
Concen: 105.078 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





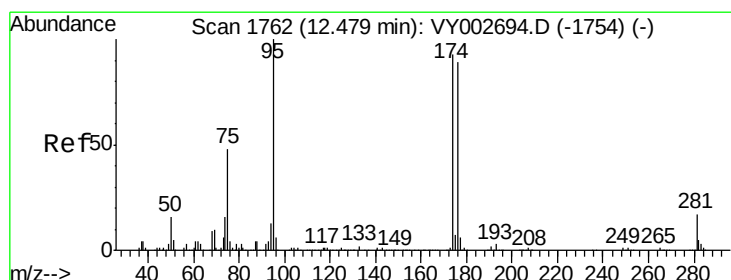
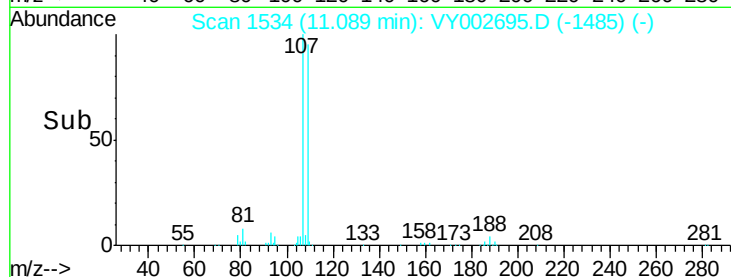
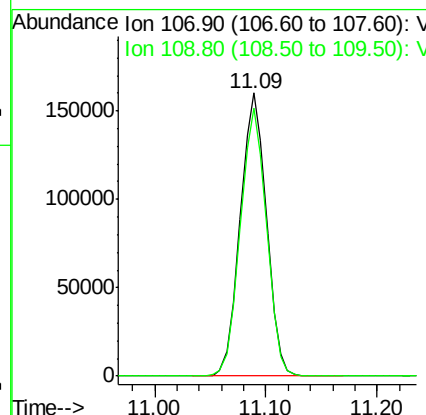
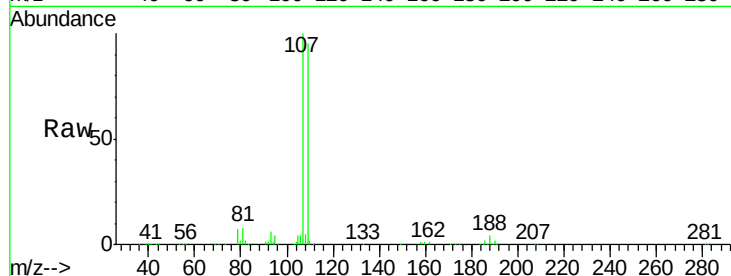
#61
 1,2-Dibromoethane
 Concen: 103.768 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	260566		
109	94.8	76.1	114.1	

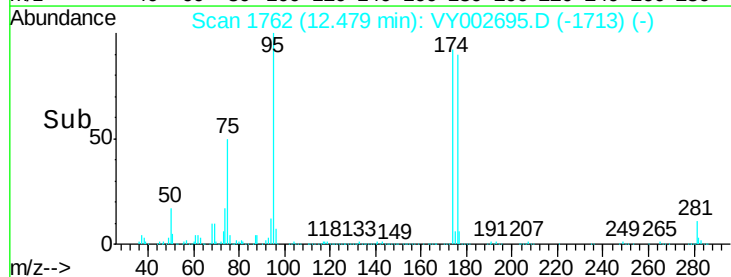
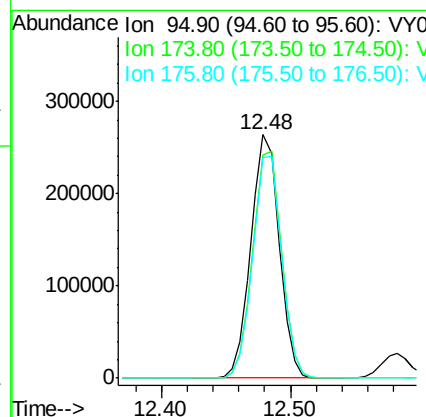
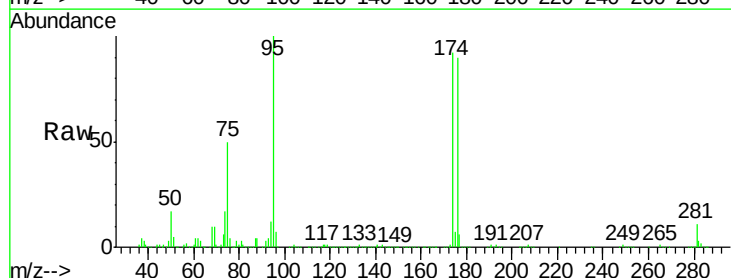
Manual Integrations
 APPROVED

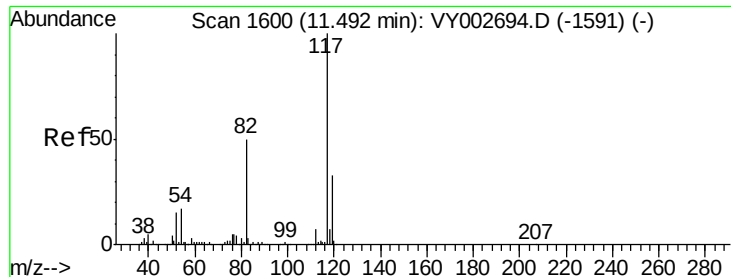
MMDadoda
 5/18/2020 1:36:08 PM



#62
 4-Bromofluorobenzene
 Concen: 101.358 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	399353		
174	95.1	0.0	191.4	
176	92.6	0.0	186.0	





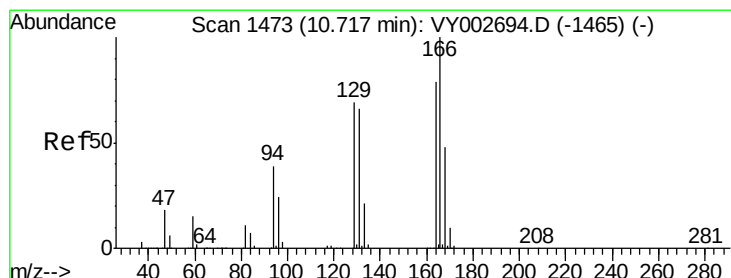
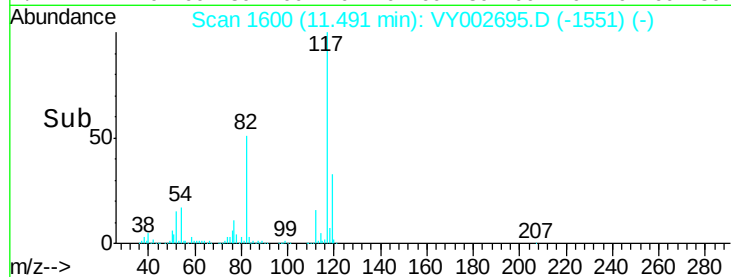
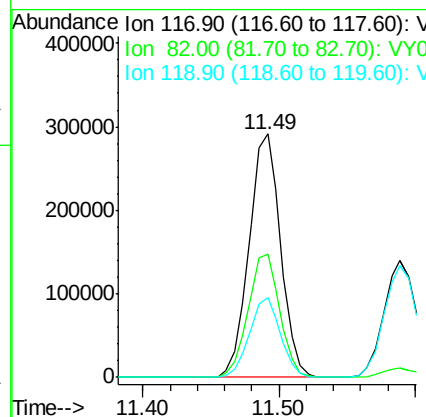
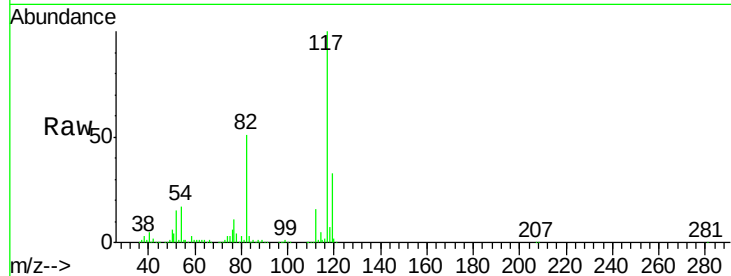
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.3	60.5
119	32.7	26.2	39.4

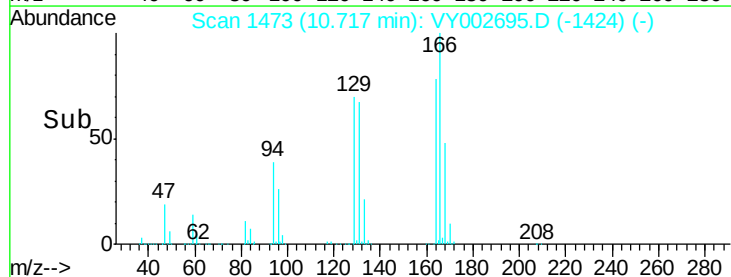
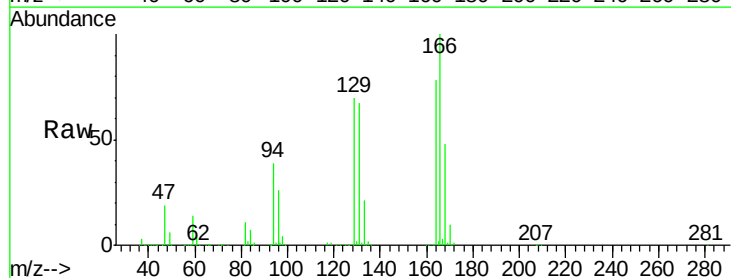
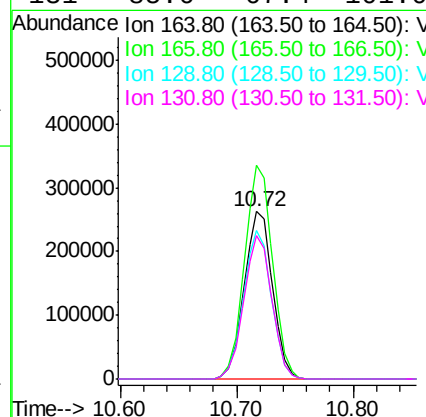
Manual Integrations
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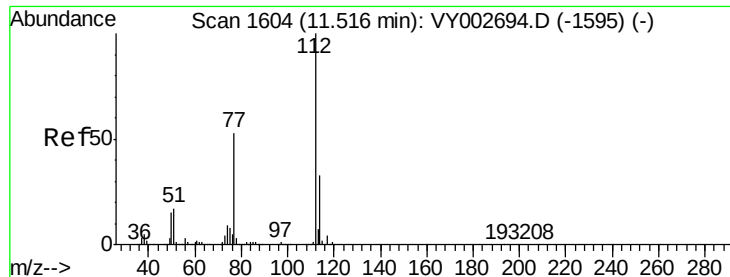
MMDadoda
5/18/2020 1:36:08 PM



#64
Tetrachloroethene
Concen: 105.401 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.6	152.4
129	89.1	70.2	105.4
131	85.6	67.4	101.0





#65

Chlorobenzene

Concen: 103.987 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 931007

Ion Ratio Lower Upper

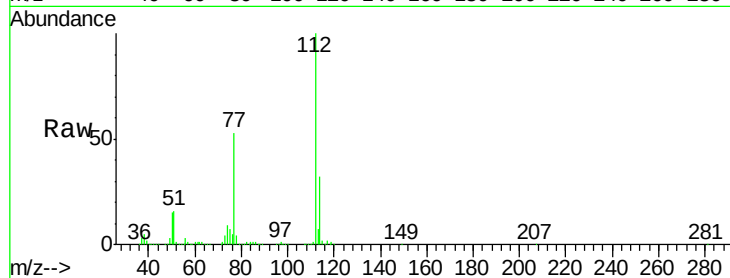
112 100

114 32.2 26.1 39.1

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

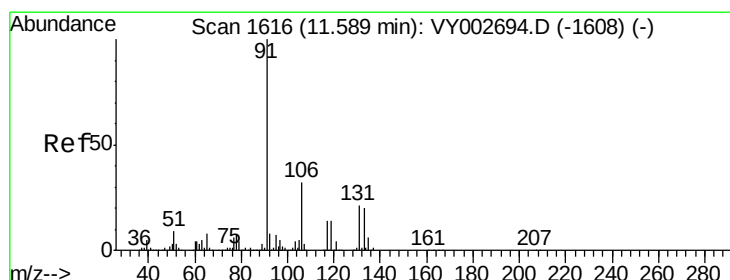
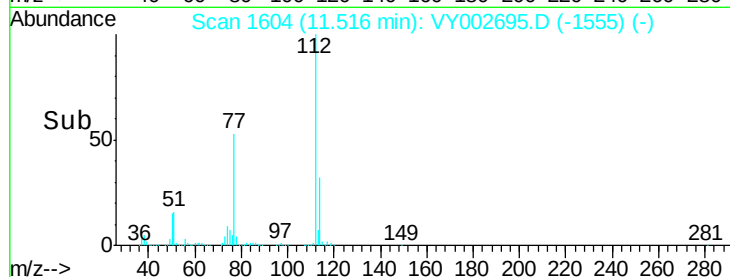
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 106.318 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

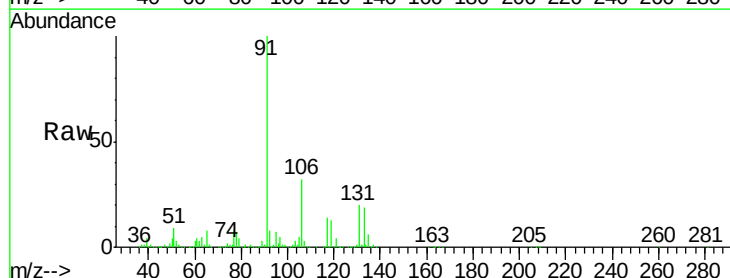
Tgt Ion:131 Resp: 353092

Ion Ratio Lower Upper

131 100

133 94.5 47.4 142.3

119 63.1 31.6 94.8



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

11.59

250000

200000

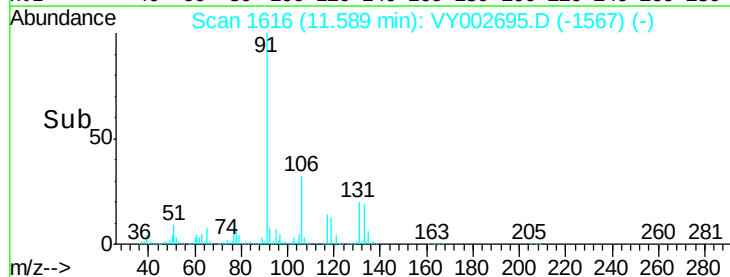
150000

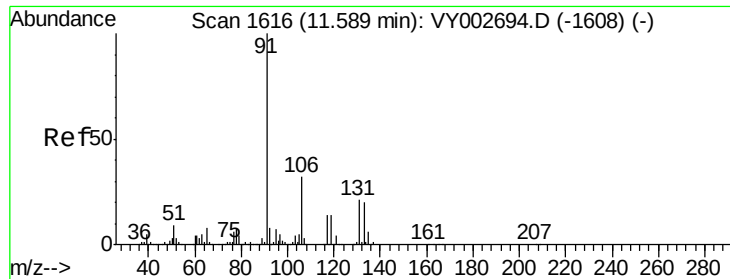
100000

50000

0

Time-->





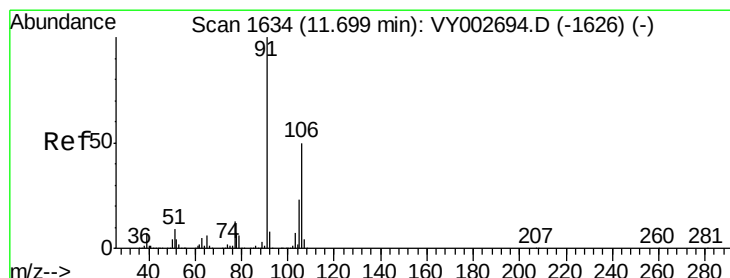
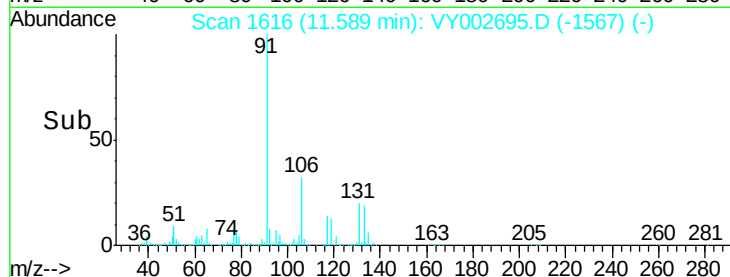
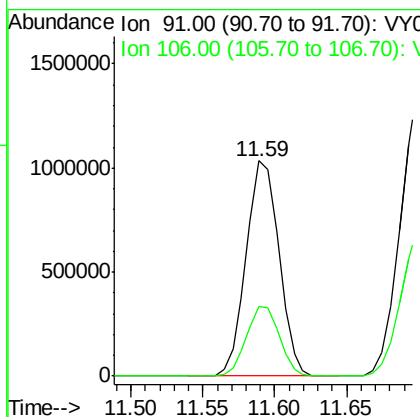
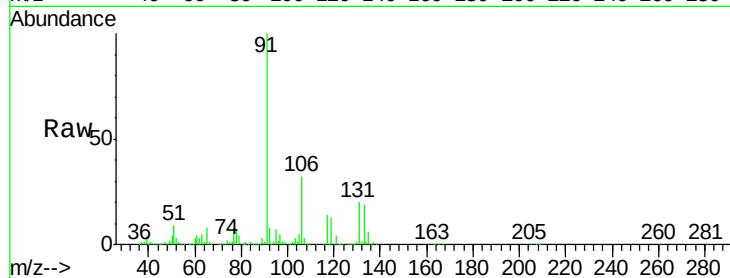
#67
Ethyl Benzene
Concen: 104.364 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1637370
Ion Ratio Lower Upper
91 100
106 32.1 26.0 39.0

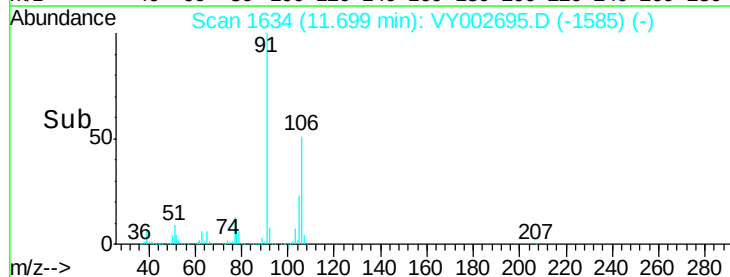
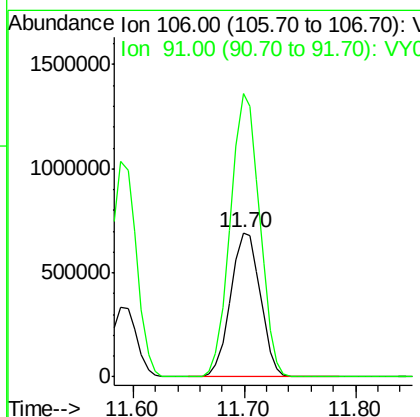
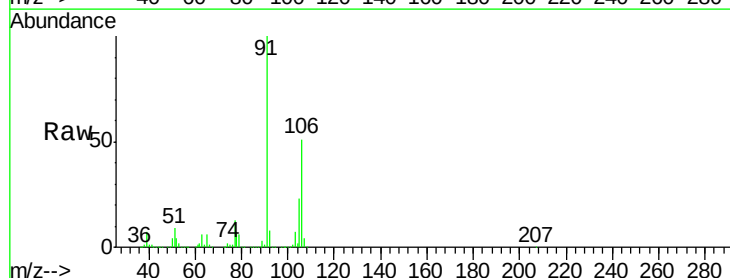
Manual Integrations
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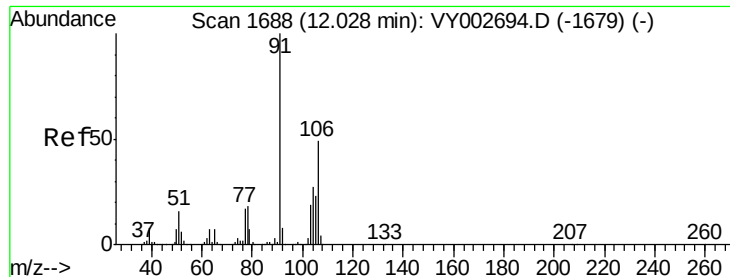
MMDadoda
5/18/2020 1:36:08 PM



#68
m/p-Xylenes
Concen: 209.627 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion: 106 Resp: 1274658
Ion Ratio Lower Upper
106 100
91 193.9 156.2 234.4





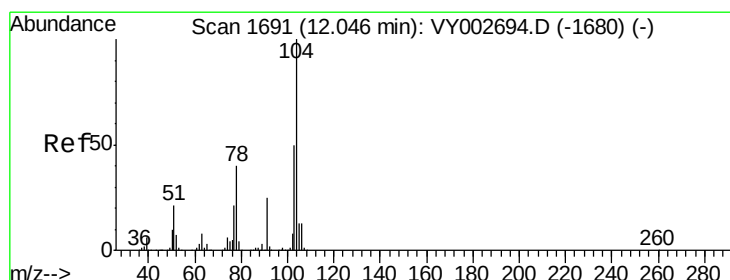
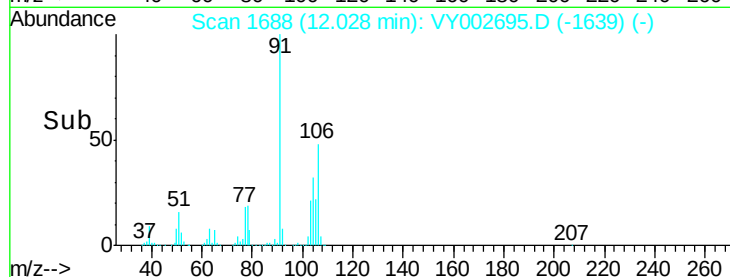
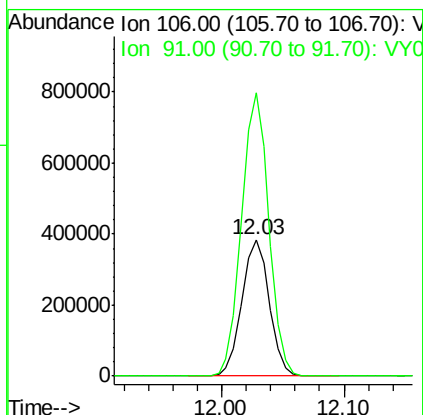
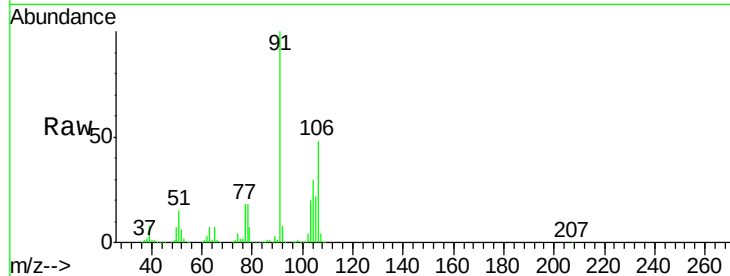
#69
o-Xylene
Concen: 104.279 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.2	103.5	310.3

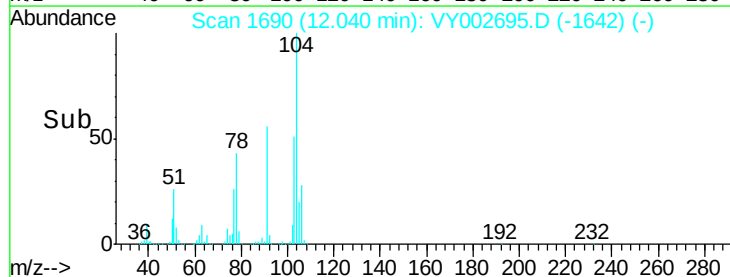
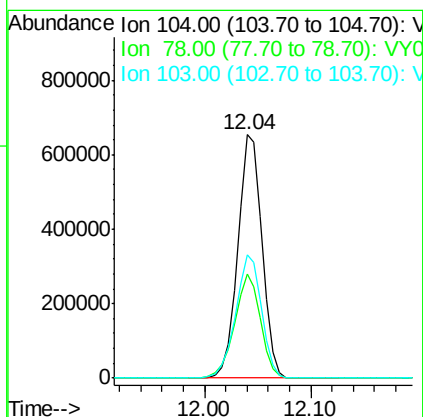
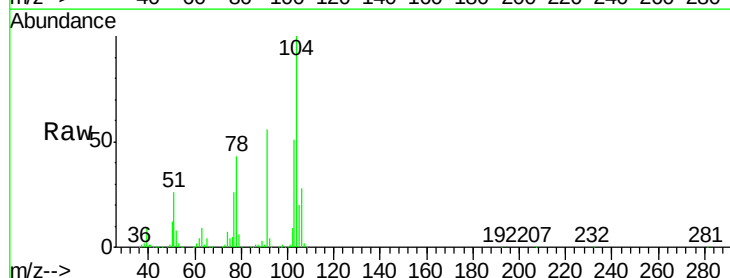
Manual Integrations
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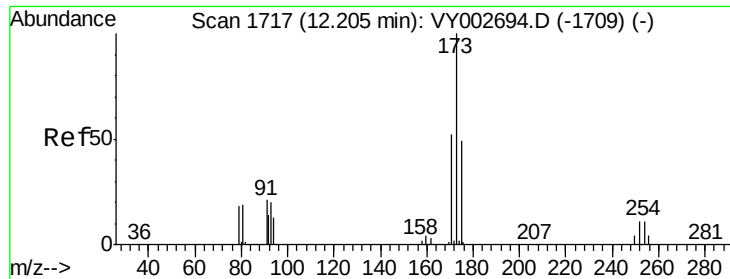
MMDadoda
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#70
Styrene
Concen: 107.008 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.6	54.8
103	54.1	44.1	66.1





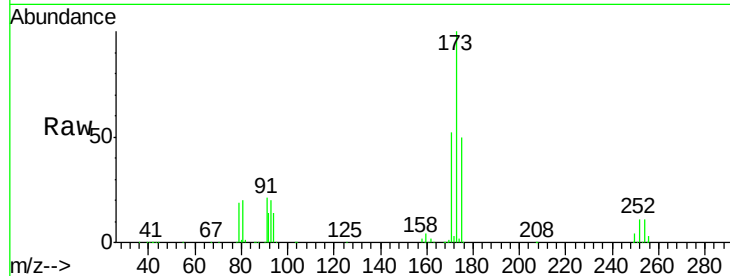
#71
Bromoform
Concen: 106.968 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

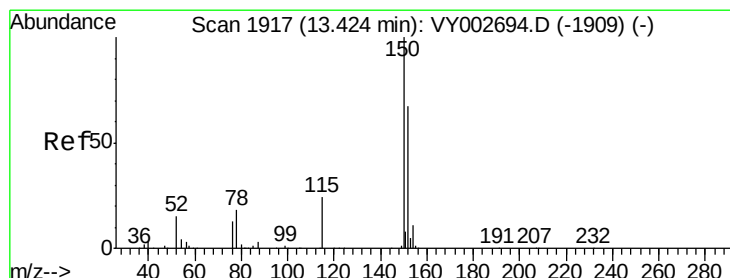
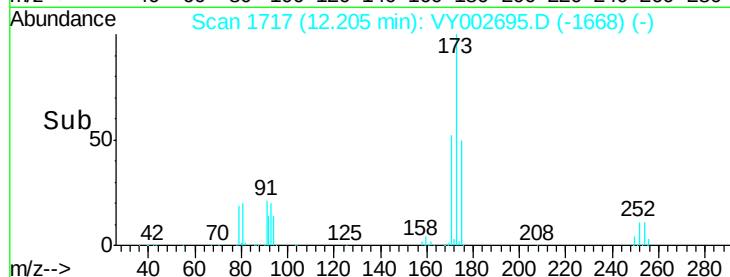
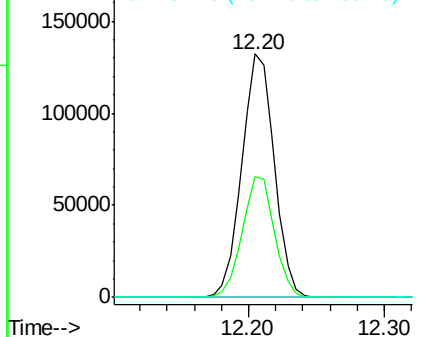
Tot Ion	Ratio	Resp	Lower	Upper
173	100	220361		
175	49.1	24.1	72.4	
254	0.2	0.1	0.1#	

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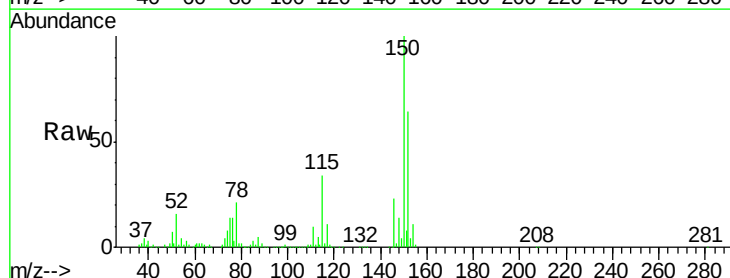


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

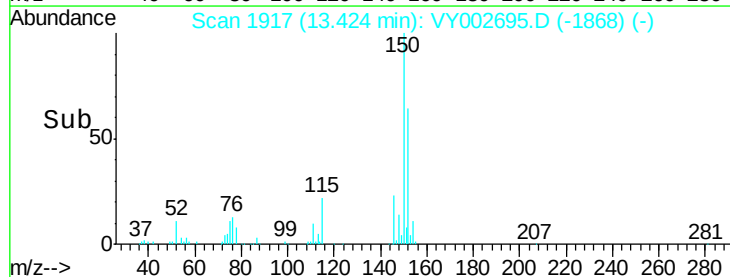
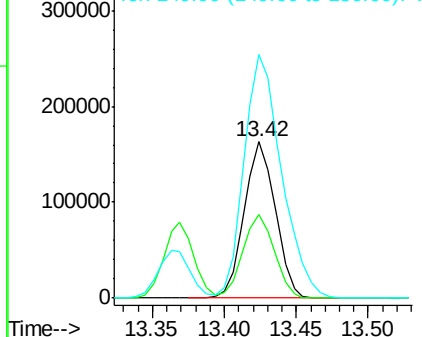


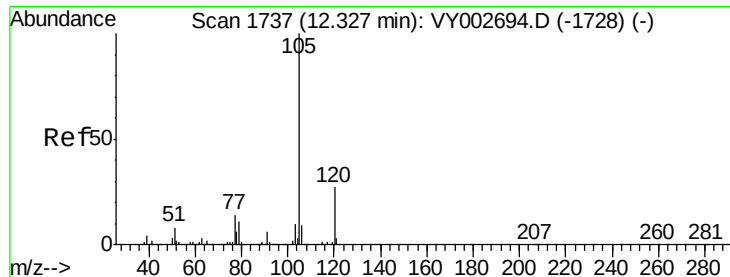
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	243019		
115	54.2	27.2	81.6	
150	188.3	0.0	343.8	



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: 103.881 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1627107

Ion Ratio Lower Upper

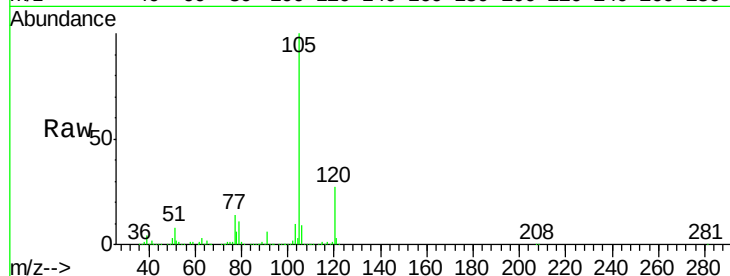
105 100

120 27.5 13.7 41.1

Manual Integrations
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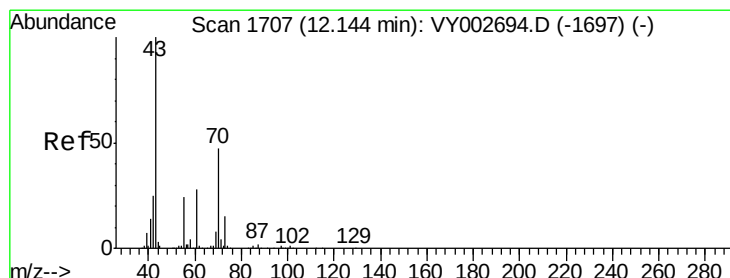
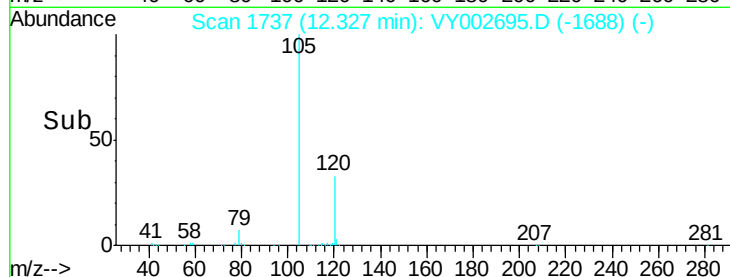
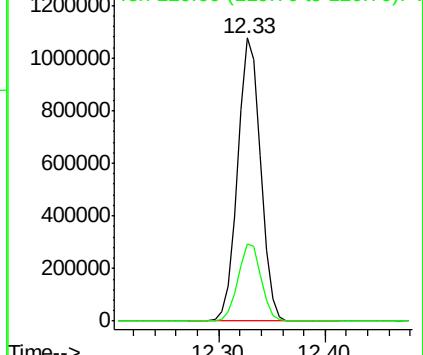
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 106.770 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion: 43 Resp: 400037

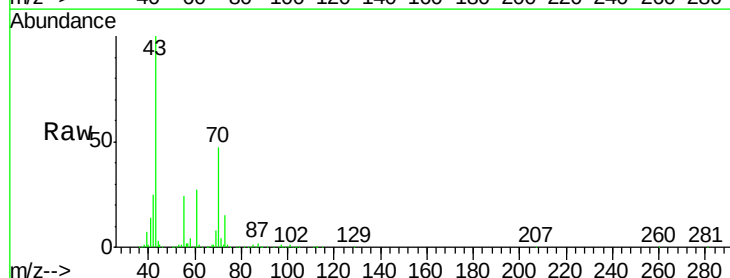
Ion Ratio Lower Upper

43 100

70 47.0 37.7 56.5

55 23.9 19.4 29.0

61 26.8 21.3 31.9

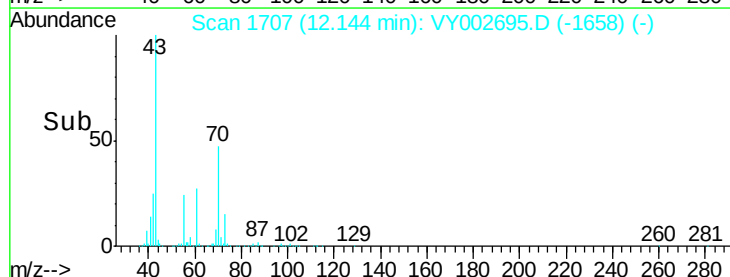
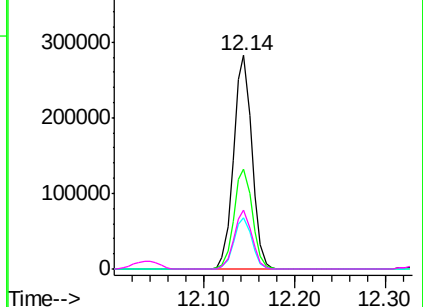


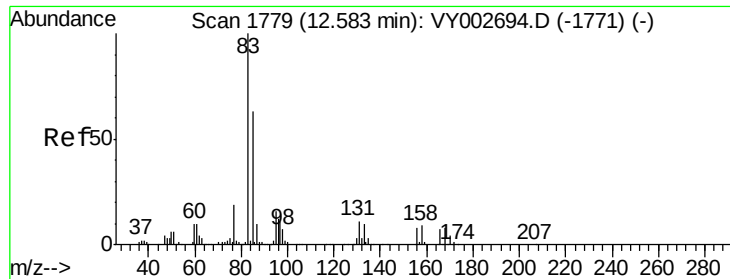
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 101.648 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

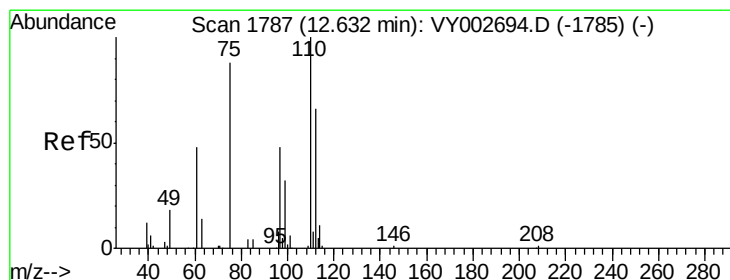
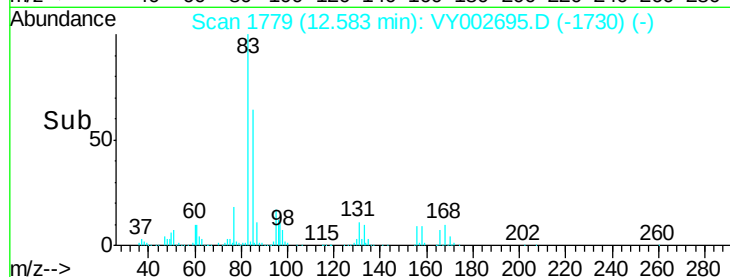
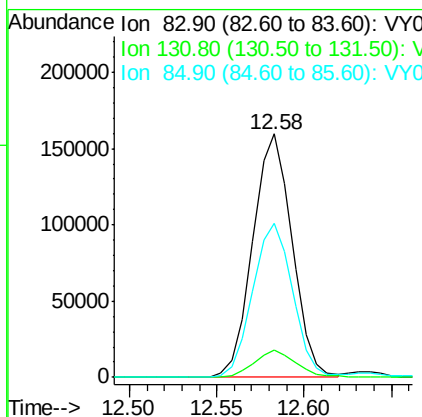
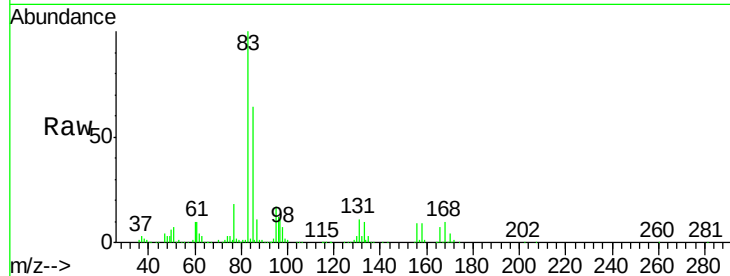
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	249765
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.3
85	64.3	31.9	95.9

Manual Integrations
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5/18/2020 1:36:08 PM



#76

1,2,3-Trichloropropane

Concen: 98.301 ug/l m

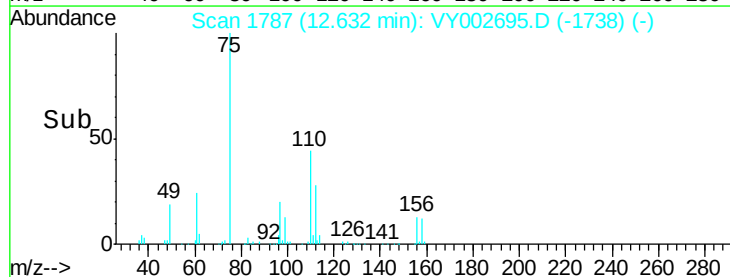
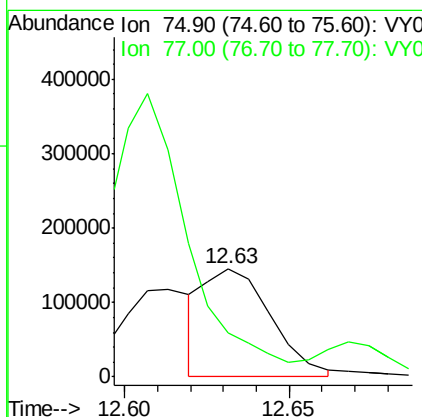
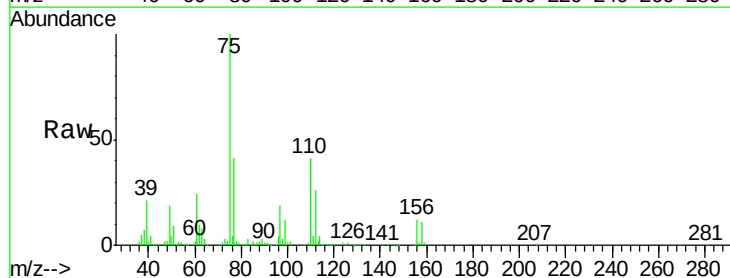
RT: 12.63 min Scan# 1787

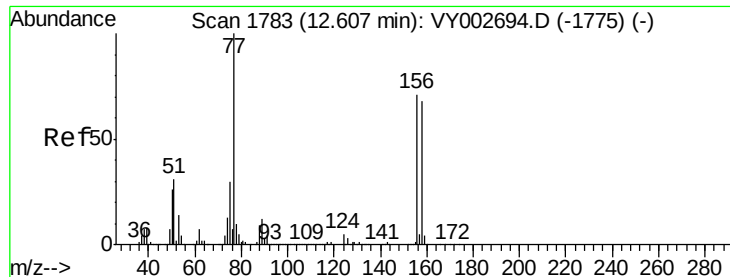
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	75	Resp:	207107
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 104.655 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

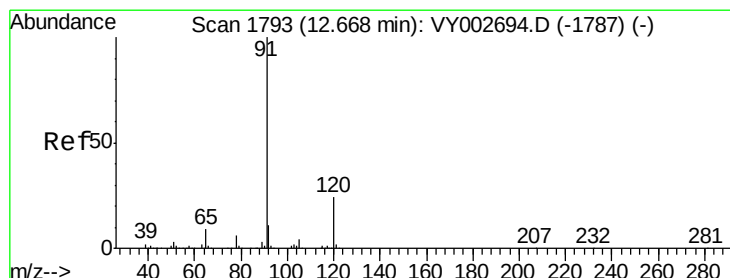
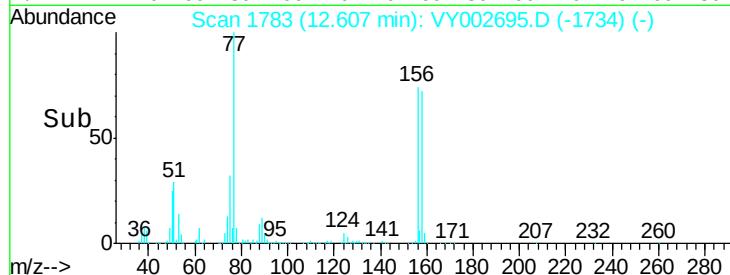
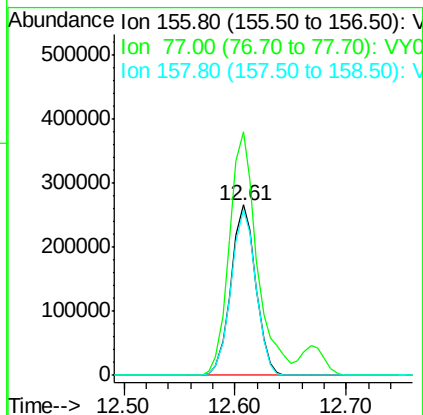
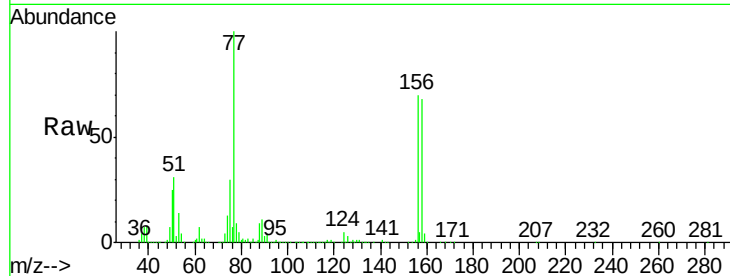
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.1	80.8	242.3
158	97.0	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 103.009 ug/l

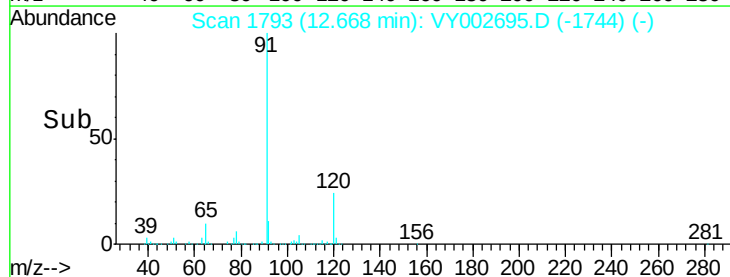
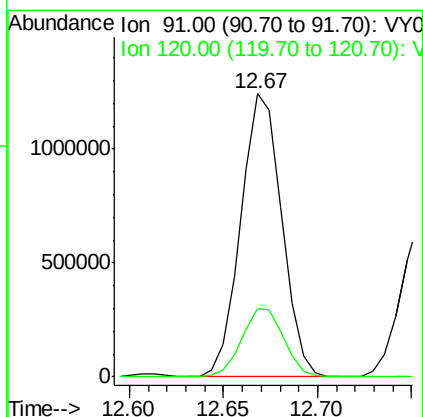
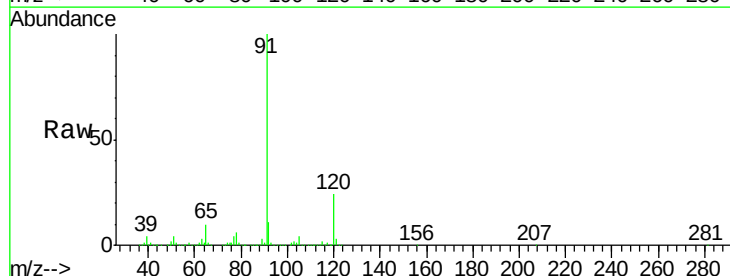
RT: 12.67 min Scan# 1793

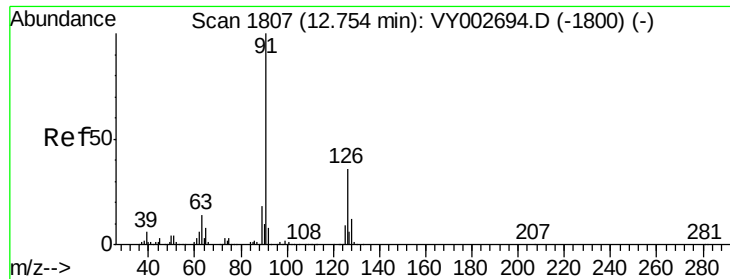
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.8





#79

2-Chlorotoluene

Concen: 103.284 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1040835

Ion Ratio Lower Upper

91 100

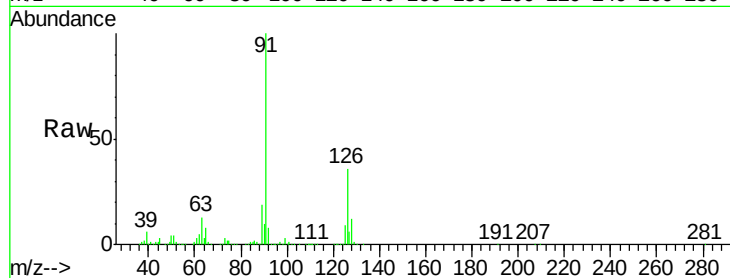
126 37.0 18.4 55.0

Manual Integrations

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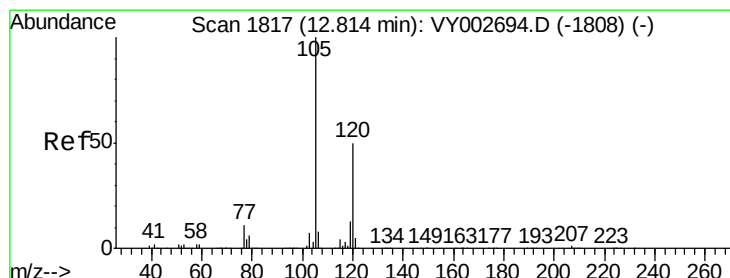
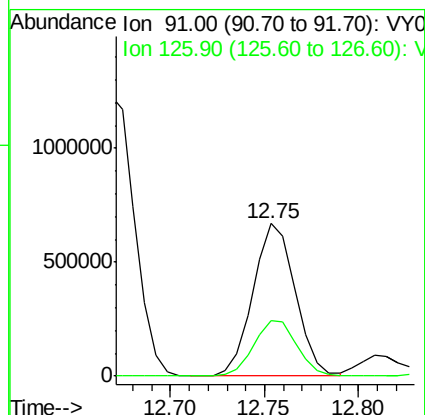
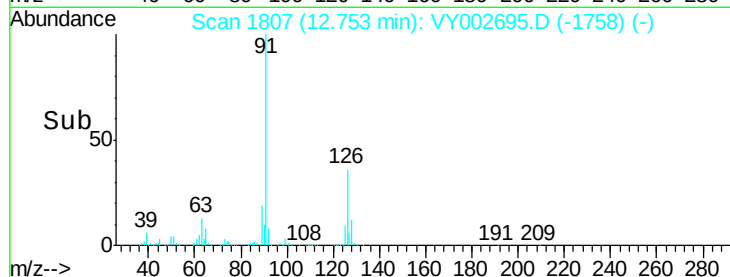
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Abundance Ion 91.00 (90.70 to 91.70): VY002694.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY002694.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 104.160 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002695.D

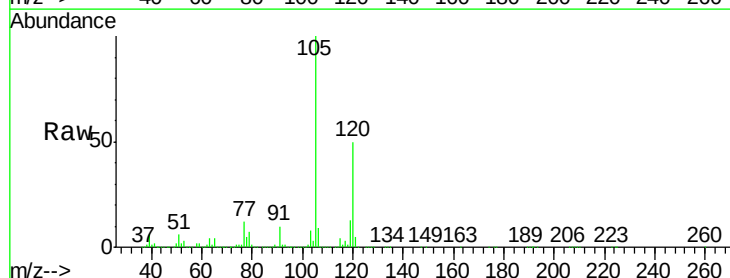
Acq: 15 May 2020 12:55

Tgt Ion: 105 Resp: 1353520

Ion Ratio Lower Upper

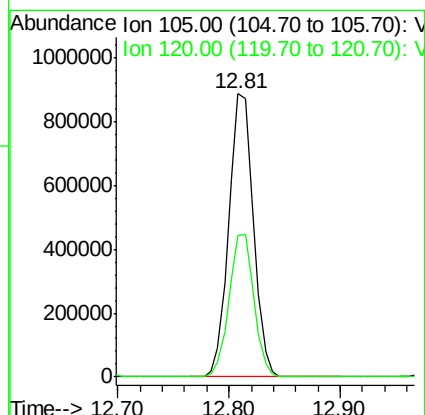
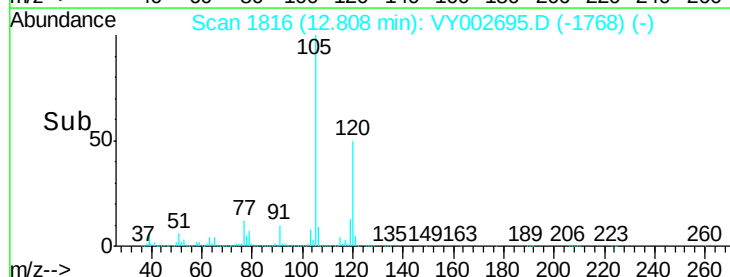
105 100

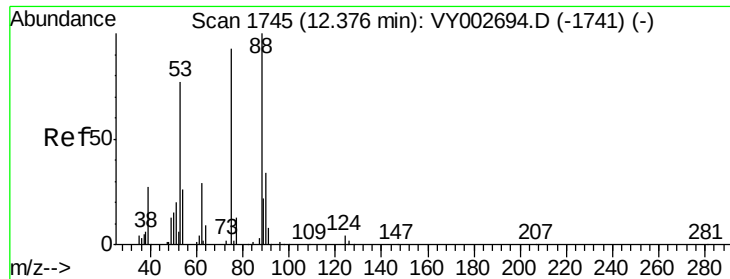
120 50.8 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002694.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY002694.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 106.142 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

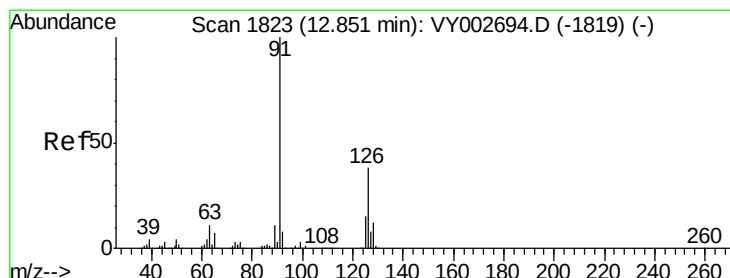
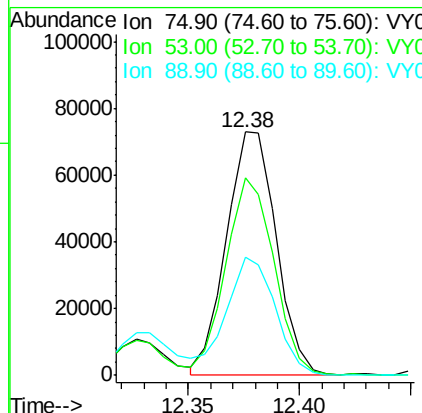
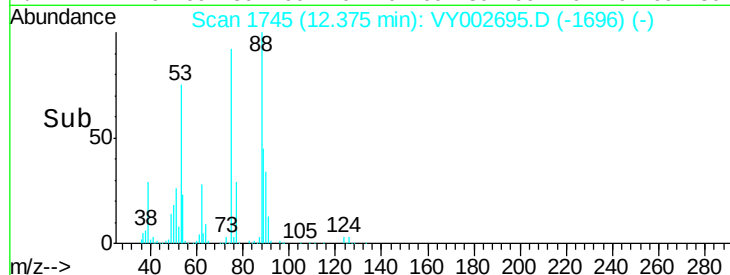
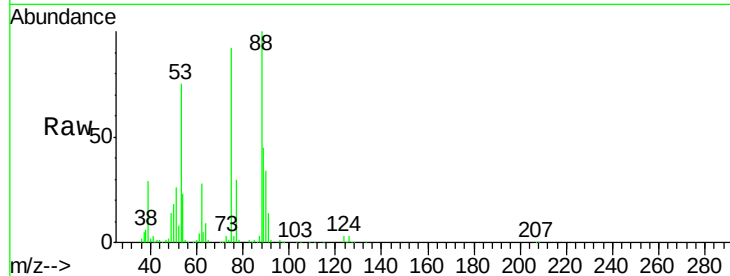
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	112933
Ion Ratio	Lower	Upper	
75	100		
53	79.5	65.0	97.6
89	48.4	66.6	99.8#

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#82

4-Chlorotoluene

Concen: 102.632 ug/l

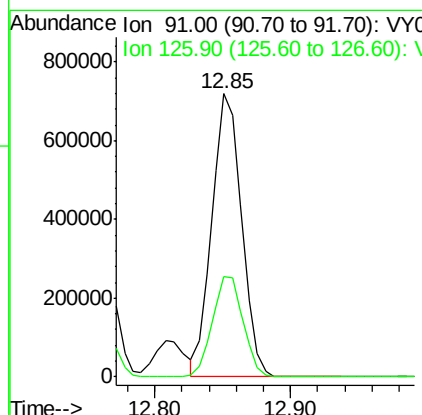
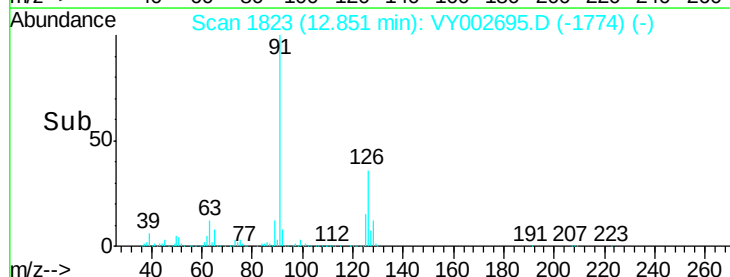
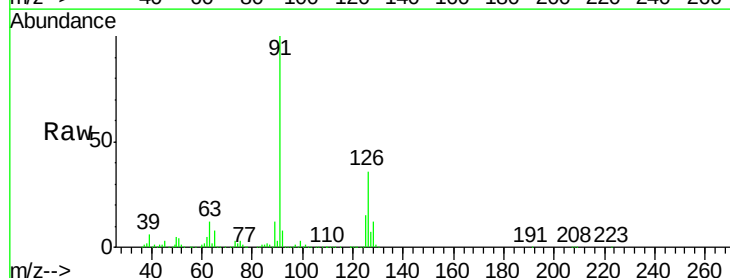
RT: 12.85 min Scan# 1823

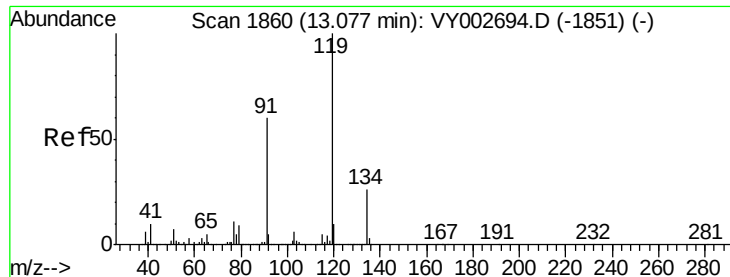
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	91	Resp:	1084347
Ion Ratio	Lower	Upper	
91	100		
126	36.8	18.6	56.0





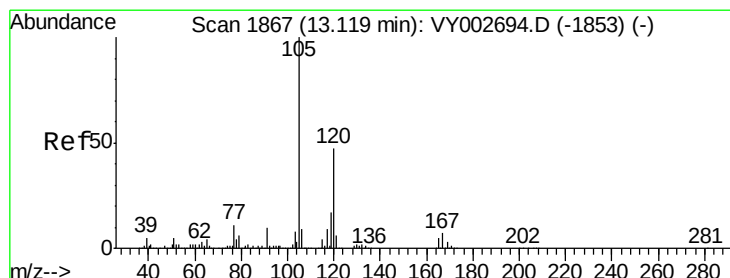
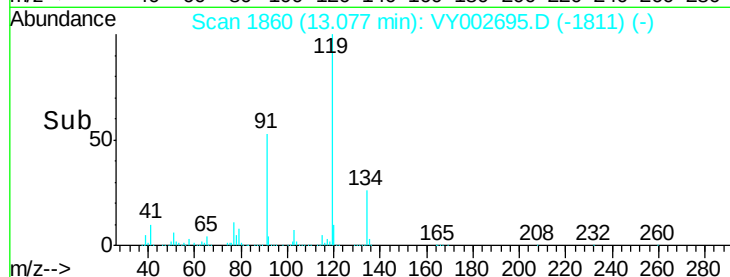
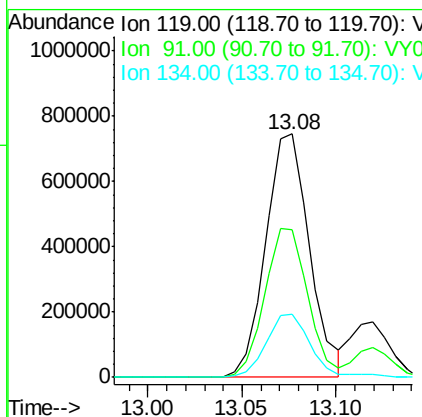
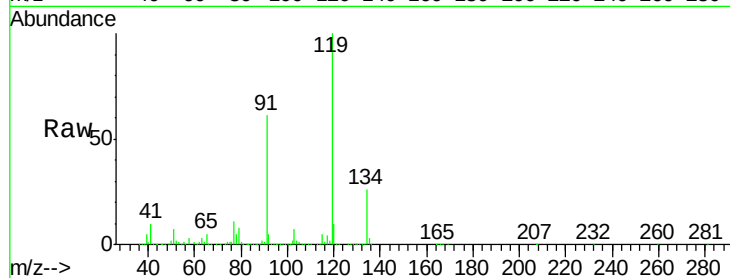
#83
 tert-Butylbenzene
 Concen: 105.787 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.4	91.2
134	26.4	13.4	40.2

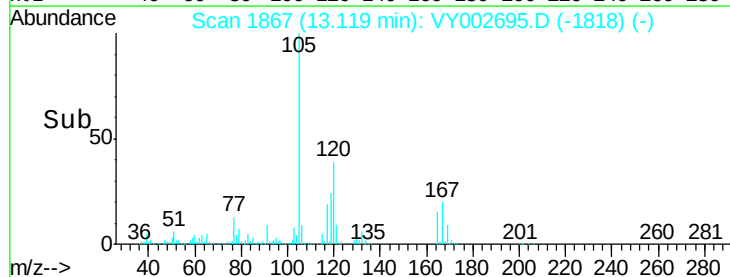
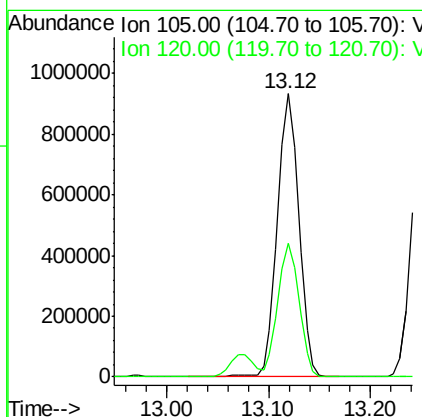
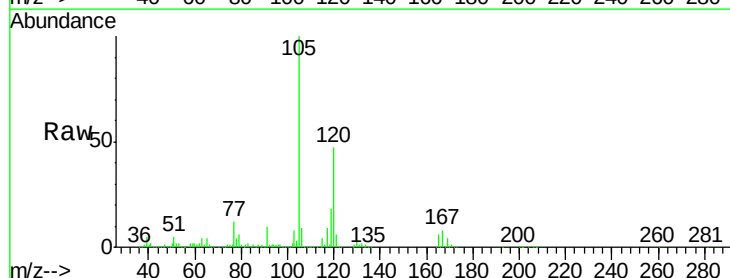
Manual Integrations
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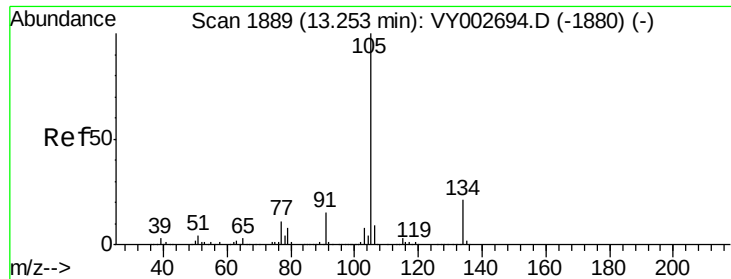
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#84
 1,2,4-Trimethylbenzene
 Concen: 104.681 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 103.746 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1640235

Ion Ratio Lower Upper

105 100

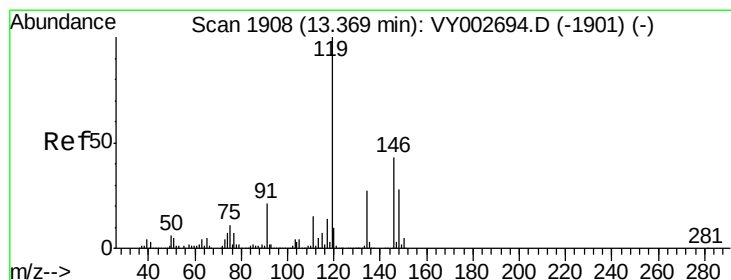
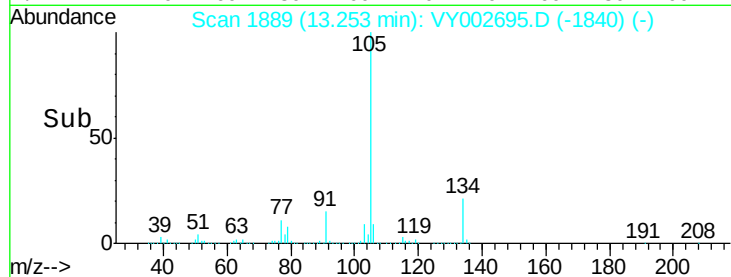
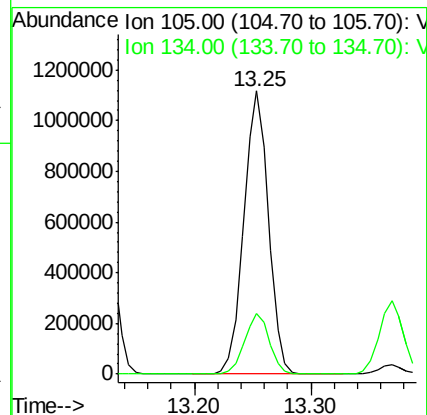
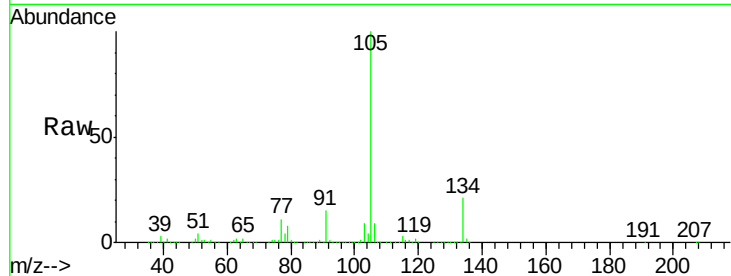
134 21.5 10.8 32.3

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#86

p-Isopropyltoluene

Concen: 104.168 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

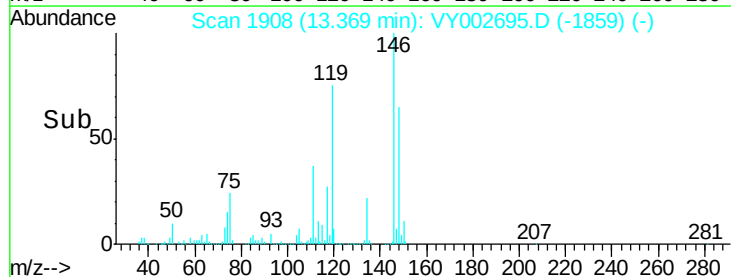
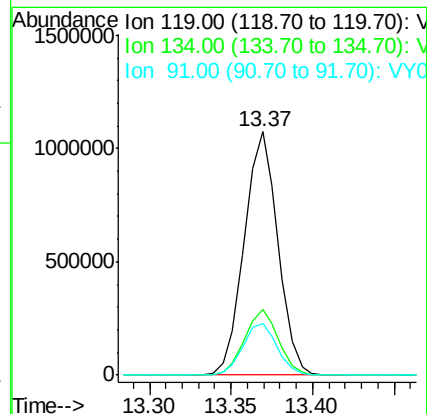
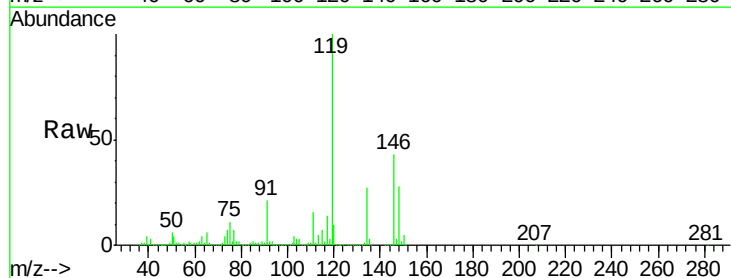
Tgt Ion:119 Resp: 1543295

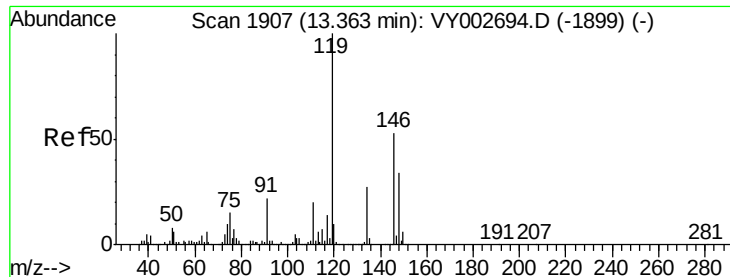
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 21.7 10.8 32.3





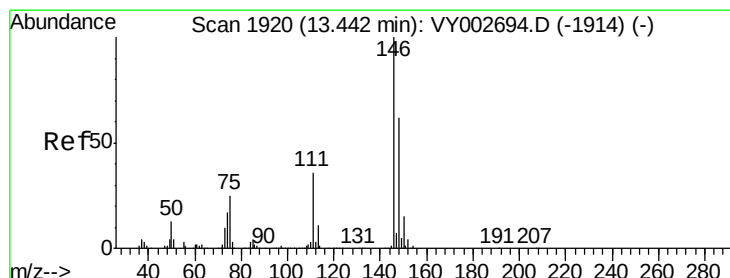
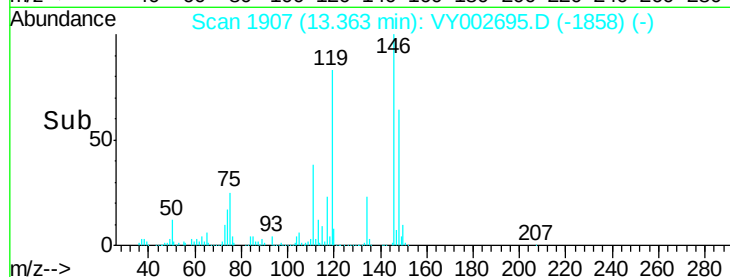
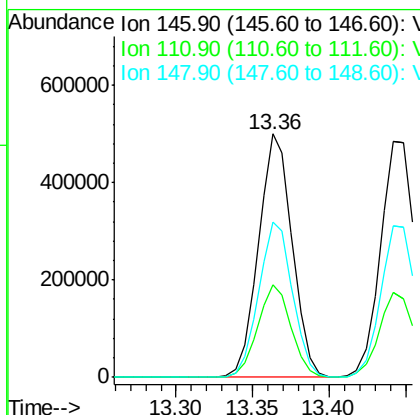
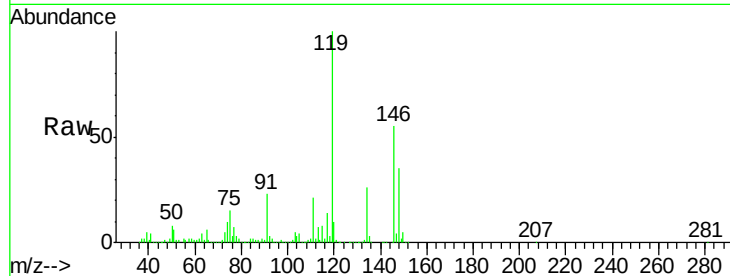
#87
 1,3-Dichlorobenzene
 Concen: 103.248 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	766311		
111	37.3	18.5	55.5	
148	64.0	32.1	96.5	

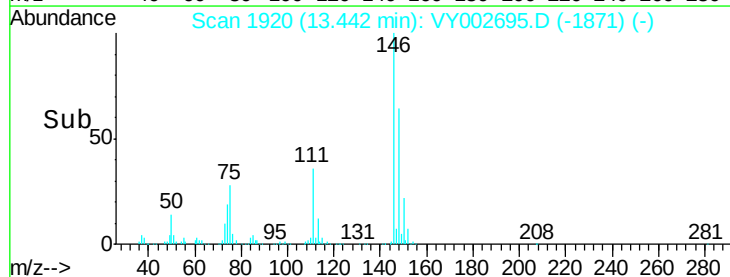
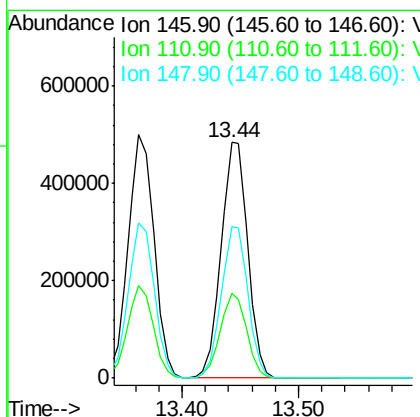
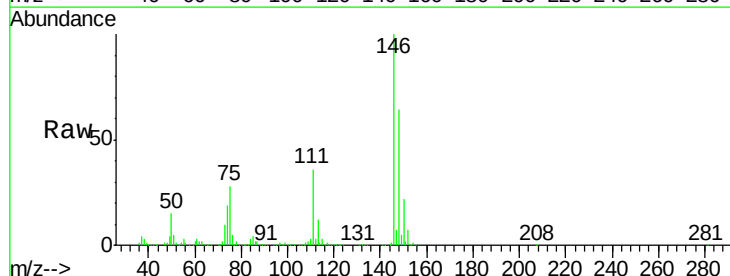
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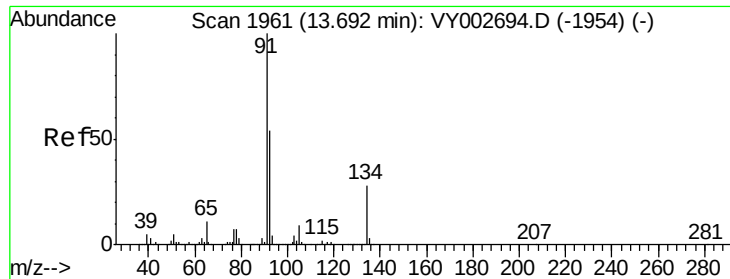
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#88
 1,4-Dichlorobenzene
 Concen: 103.678 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	761340		
111	35.6	18.1	54.4	
148	64.2	31.8	95.3	





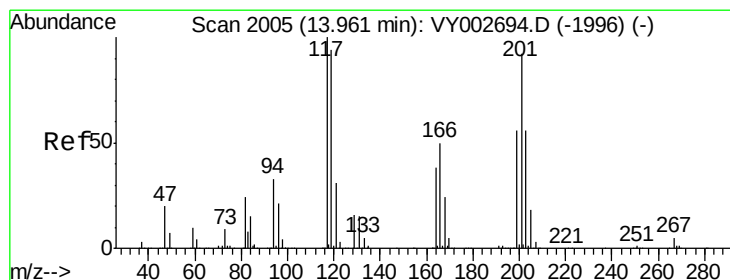
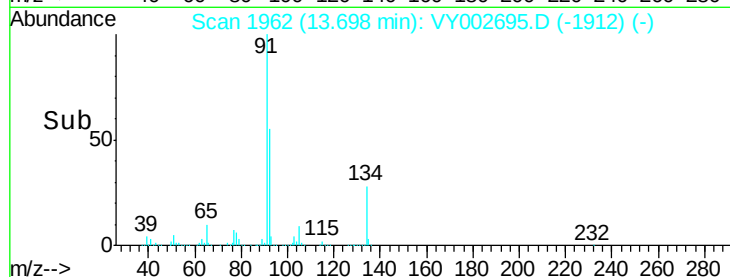
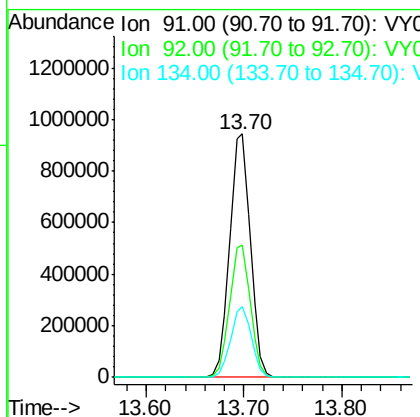
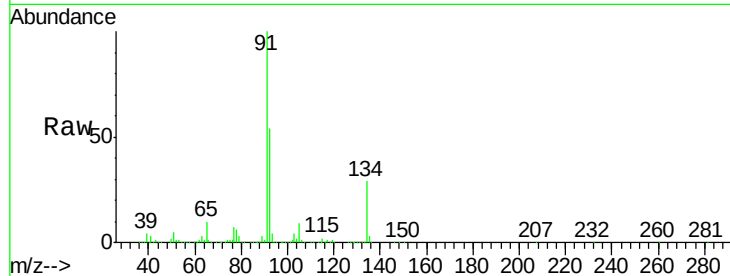
#89
n-Butylbenzene
Concen: 102.693 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	28.8	14.5	43.5

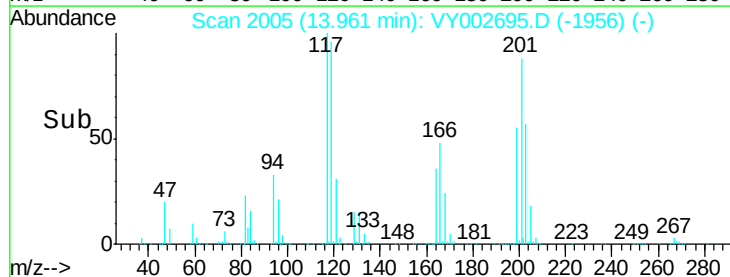
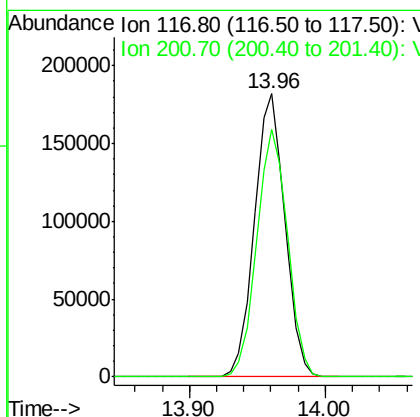
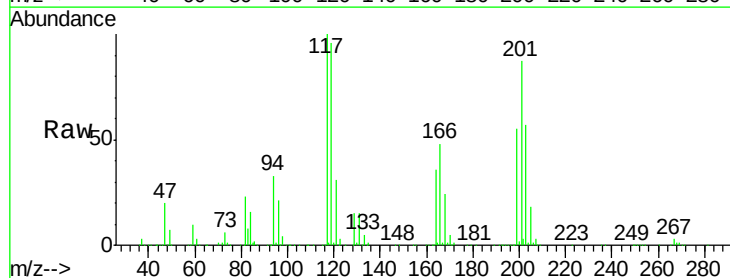
Manual Integrations
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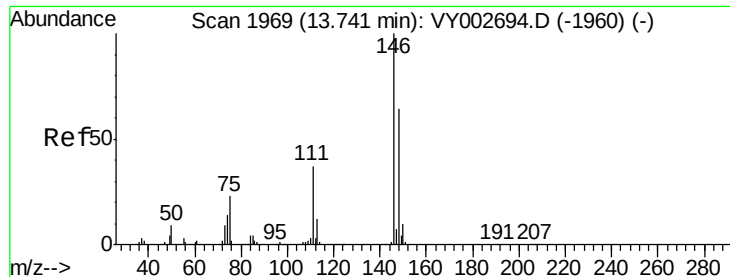
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#90
Hexachloroethane
Concen: 105.602 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002695.D
Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 103.309 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

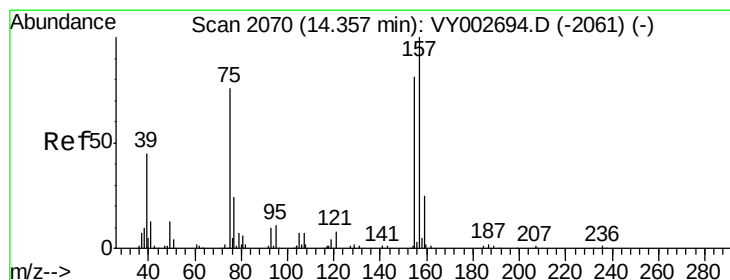
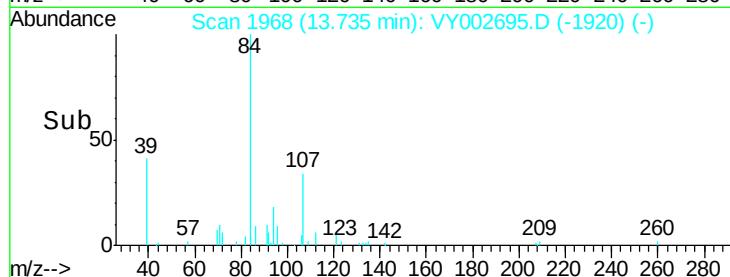
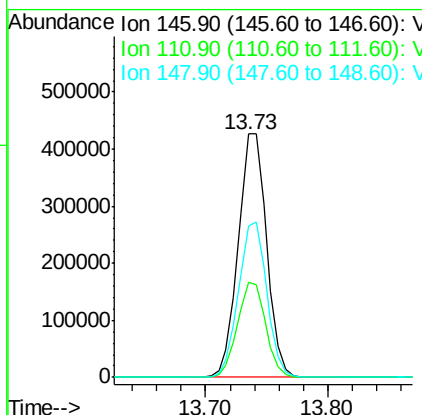
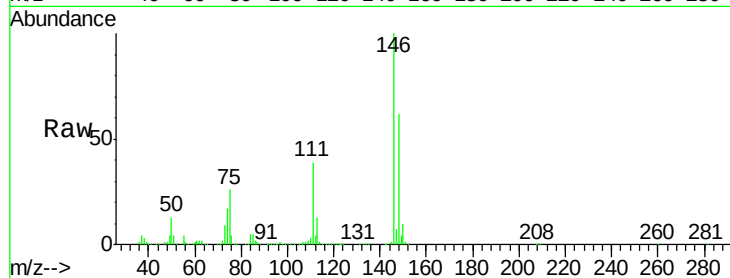
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	683941
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	63.6	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 101.609 ug/l

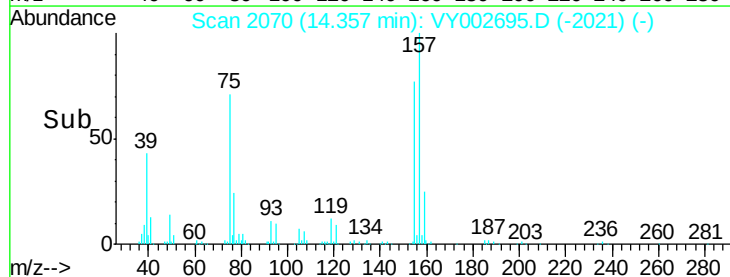
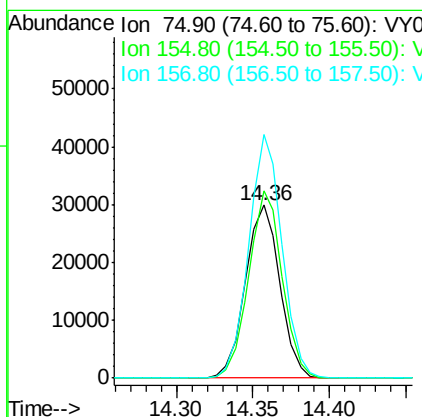
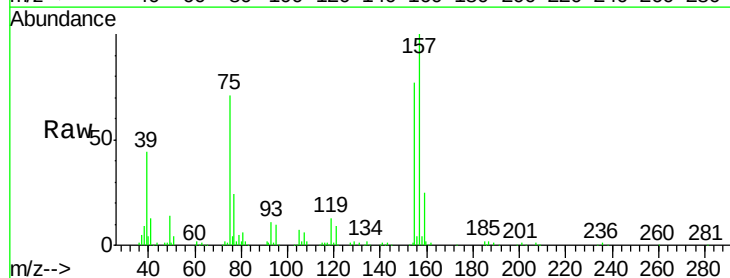
RT: 14.36 min Scan# 2070

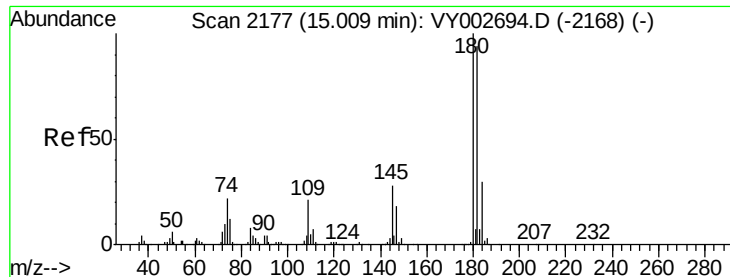
Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	75	Resp:	46823
Ion Ratio	Lower	Upper	
75	100		
155	105.4	53.5	160.7
157	135.8	67.9	203.7





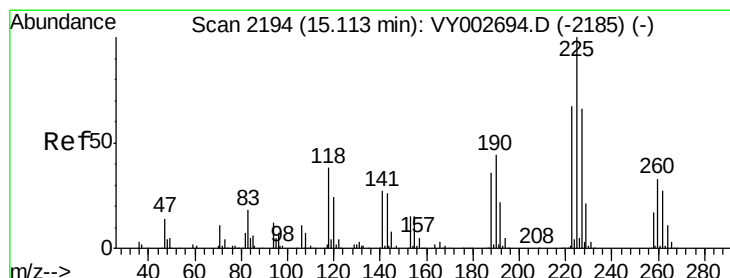
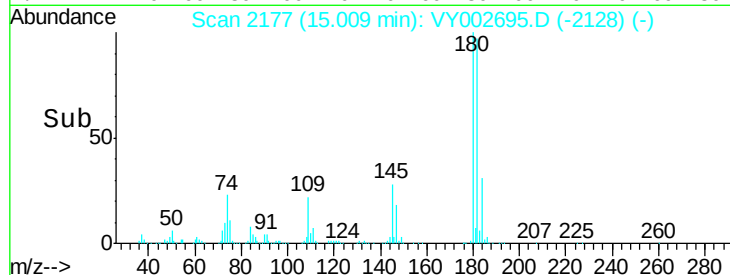
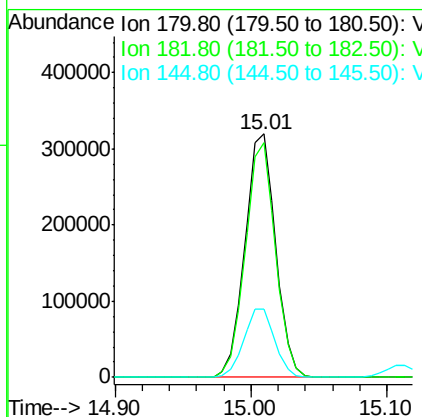
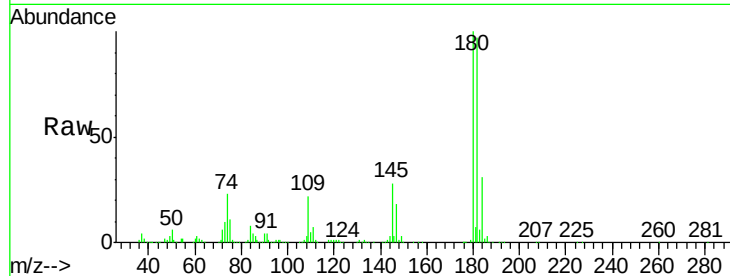
#93
 1,2,4-Trichlorobenzene
 Concen: 104.219 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	503275		
182	94.9	47.3	142.0	
145	28.5	14.1	42.2	

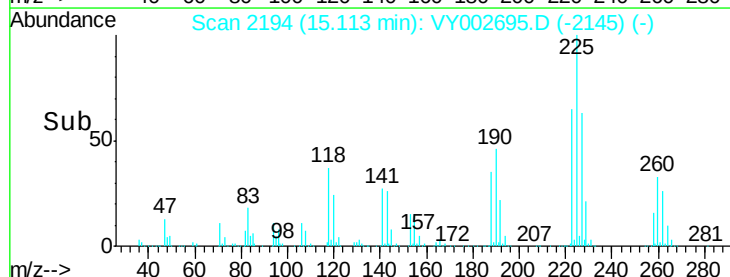
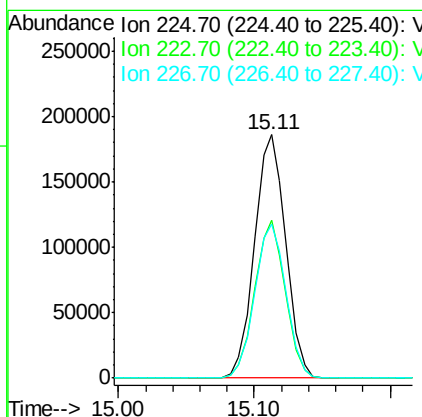
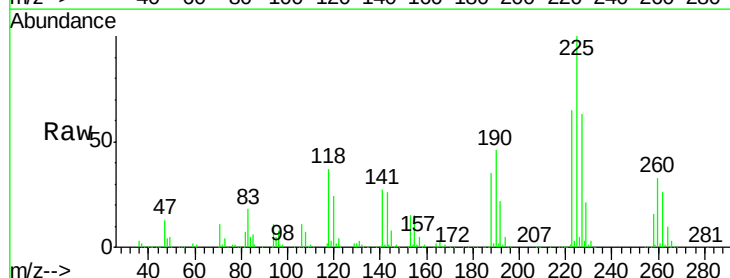
Manual Integrations
 APPROVED

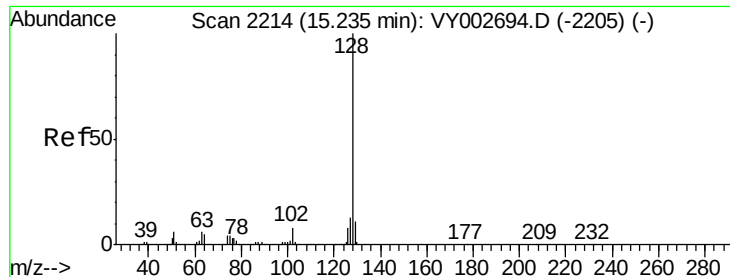
MMDadoda
 5/18/2020 1:36:08 PM



#94
 Hexachlorobutadiene
 Concen: 102.972 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002695.D
 Acq: 15 May 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299004		
223	63.4	31.6	94.8	
227	63.5	32.2	96.6	





#95

Naphthalene

Concen: 106.787 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Instrument :

MSVOA_Y

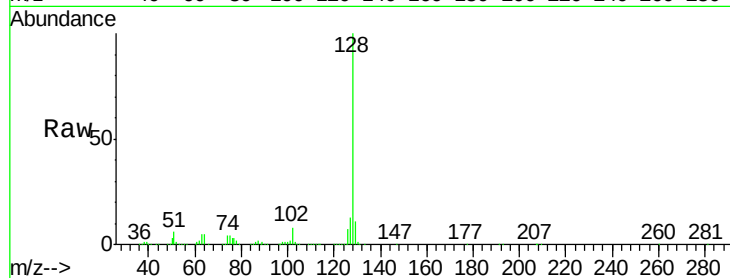
ClientSampleId :

VSTDIC100

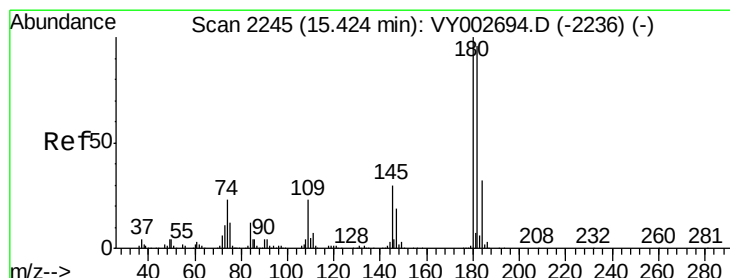
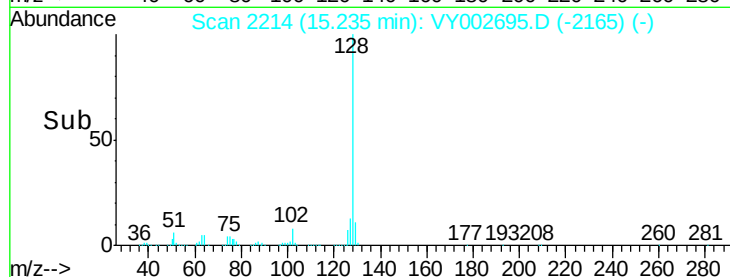
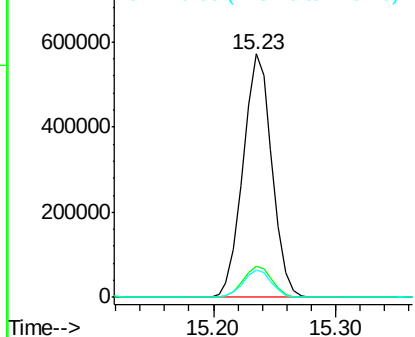
Tot Ion:	128	Resp:	935911
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:08 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 104.033 ug/l

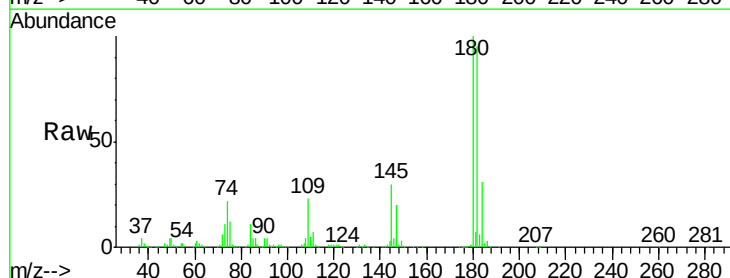
RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY002695.D

Acq: 15 May 2020 12:55

Tgt Ion:	180	Resp:	425895
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.6	142.9
145	30.8	15.1	45.3



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

