

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003143.D
 Acq On : 09 Jul 2020 13:44
 Operator : SY/MD
 Sample : VY0709SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:18:32 PM

Quant Time: Jul 10 04:09:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	440011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	625958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	569195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	307744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	200583	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.72	113	203578	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.18	98	748595	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.48	95	269862	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	60334	18.106	ug/l	92
3) Chloromethane	2.11	50	87882	18.009	ug/l	97
4) Vinyl Chloride	2.26	62	91376	19.197	ug/l	99
5) Bromomethane	2.65	94	73260	22.668	ug/l	99
6) Chloroethane	2.80	64	61153	20.196	ug/l	99
7) Trichlorofluoromethane	3.13	101	141093	21.001	ug/l	99
8) Diethyl Ether	3.53	74	46287	20.097	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	85005	21.191	ug/l	97
10) Methyl Iodide	4.10	142	91233	18.341	ug/l	98
11) Tert butyl alcohol	4.96	59	42525	95.482	ug/l	100
12) 1,1-Dichloroethene	3.88	96	79338	20.787	ug/l	88
13) Acrolein	3.74	56	27047	67.616	ug/l	96
14) Allyl chloride	4.49	41	117864	17.687	ug/l	96
15) Acrylonitrile	5.18	53	107479	90.547	ug/l	99
16) Acetone	3.96	43	85806	83.250	ug/l	97
17) Carbon Disulfide	4.20	76	230424	18.895	ug/l	98
18) Methyl Acetate	4.49	43	50066	18.030	ug/l	93
19) Methyl tert-butyl Ether	5.23	73	222848	20.030	ug/l	99
20) Methylene Chloride	4.72	84	105073	18.446	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	91408	21.172	ug/l	98
22) Diisopropyl ether	6.13	45	264010	18.484	ug/l	96
23) Vinyl Acetate	6.07	43	837327	87.687	ug/l	95
24) 1,1-Dichloroethane	6.02	63	153566	19.683	ug/l	94
25) 2-Butanone	6.99	43	138431	84.550	ug/l	96
26) 2,2-Dichloropropane	6.99	77	142926	20.163	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	99886	20.627	ug/l	94
28) Bromochloromethane	7.35	49	60965	17.562	ug/l	88
29) Tetrahydrofuran	7.35	42	94094	86.421	ug/l	92
30) Chloroform	7.52	83	161523	20.897	ug/l	98
31) Cyclohexane	7.78	56	146642	19.079	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	145598	20.636	ug/l	99
36) 1,1-Dichloropropene	7.92	75	126329	20.952	ug/l	98
37) Ethyl Acetate	7.08	43	65489	18.065	ug/l	95
38) Carbon Tetrachloride	7.91	117	133624	21.300	ug/l	99

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 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 VY0709SBS01

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jul 10 04:09:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	155025	20.737	ug/l	95
40) Benzene	8.17	78	346965	21.019	ug/l	99
41) Methacrylonitrile	7.32	41	27991m	14.454	ug/l	
42) 1,2-Dichloroethane	8.24	62	106557	20.405	ug/l	98
43) Isopropyl Acetate	8.28	43	126268	18.321	ug/l	95
44) Trichloroethene	8.94	130	106567	22.211	ug/l	99
45) 1,2-Dichloropropane	9.22	63	89767	20.213	ug/l	100
46) Dibromomethane	9.31	93	51814	20.890	ug/l	96
47) Bromodichloromethane	9.50	83	125837	20.719	ug/l	99
48) Methyl methacrylate	9.30	41	56827	18.115	ug/l	93
49) 1,4-Dioxane	9.30	88	12828	423.674	ug/l	87
51) 4-Methyl-2-Pentanone	10.07	43	331694	93.119	ug/l	97
52) Toluene	10.24	92	224600	21.614	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	127868	20.081	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	147535	20.259	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	73900	21.441	ug/l	97
56) Ethyl methacrylate	10.51	69	98005	19.643	ug/l	94
57) 1,3-Dichloropropane	10.79	76	126349	20.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	223887	87.494	ug/l	97
59) 2-Hexanone	10.83	43	227288	91.289	ug/l	97
60) Dibromochloromethane	10.99	129	92766	21.031	ug/l	99
61) 1,2-Dibromoethane	11.09	107	71484	21.037	ug/l	99
64) Tetrachloroethene	10.72	164	119311	24.767	ug/l	99
65) Chlorobenzene	11.52	112	248661	22.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	94433	21.551	ug/l	100
67) Ethyl Benzene	11.59	91	445982	21.721	ug/l	99
68) m/p-Xylenes	11.70	106	339346	44.406	ug/l	97
69) o-Xylene	12.03	106	157829	21.917	ug/l	95
70) Styrene	12.05	104	267671	21.758	ug/l	98
71) Bromoform	12.21	173	62717	21.465	ug/l #	98
73) Isopropylbenzene	12.33	105	437940	21.744	ug/l	99
74) N-amyl acetate	12.14	43	118959	18.143	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	80076	19.702	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	65113m	21.378	ug/l	
77) Bromobenzene	12.61	156	111654	21.622	ug/l	95
78) n-propylbenzene	12.67	91	524150	21.640	ug/l	99
79) 2-Chlorotoluene	12.76	91	284552	21.047	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	367077	21.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	28872	18.443	ug/l	99
82) 4-Chlorotoluene	12.86	91	303119	21.534	ug/l	97
83) tert-Butylbenzene	13.08	119	319160	21.506	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	366873	21.543	ug/l	99
85) sec-Butylbenzene	13.25	105	451251	22.061	ug/l	100
86) p-Isopropyltoluene	13.37	119	416288	21.963	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	213006	22.094	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	209369	22.023	ug/l	99
89) n-Butylbenzene	13.70	91	398481	21.973	ug/l	99
90) Hexachloroethane	13.96	117	76340	20.283	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	187977	21.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13433	18.670	ug/l	91

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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	141377	21.995	ug/l	98
94) Hexachlorobutadiene	15.11	225	95492	23.553	ug/l	96
95) Naphthalene	15.24	128	237133	20.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	117077	20.977	ug/l	98

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

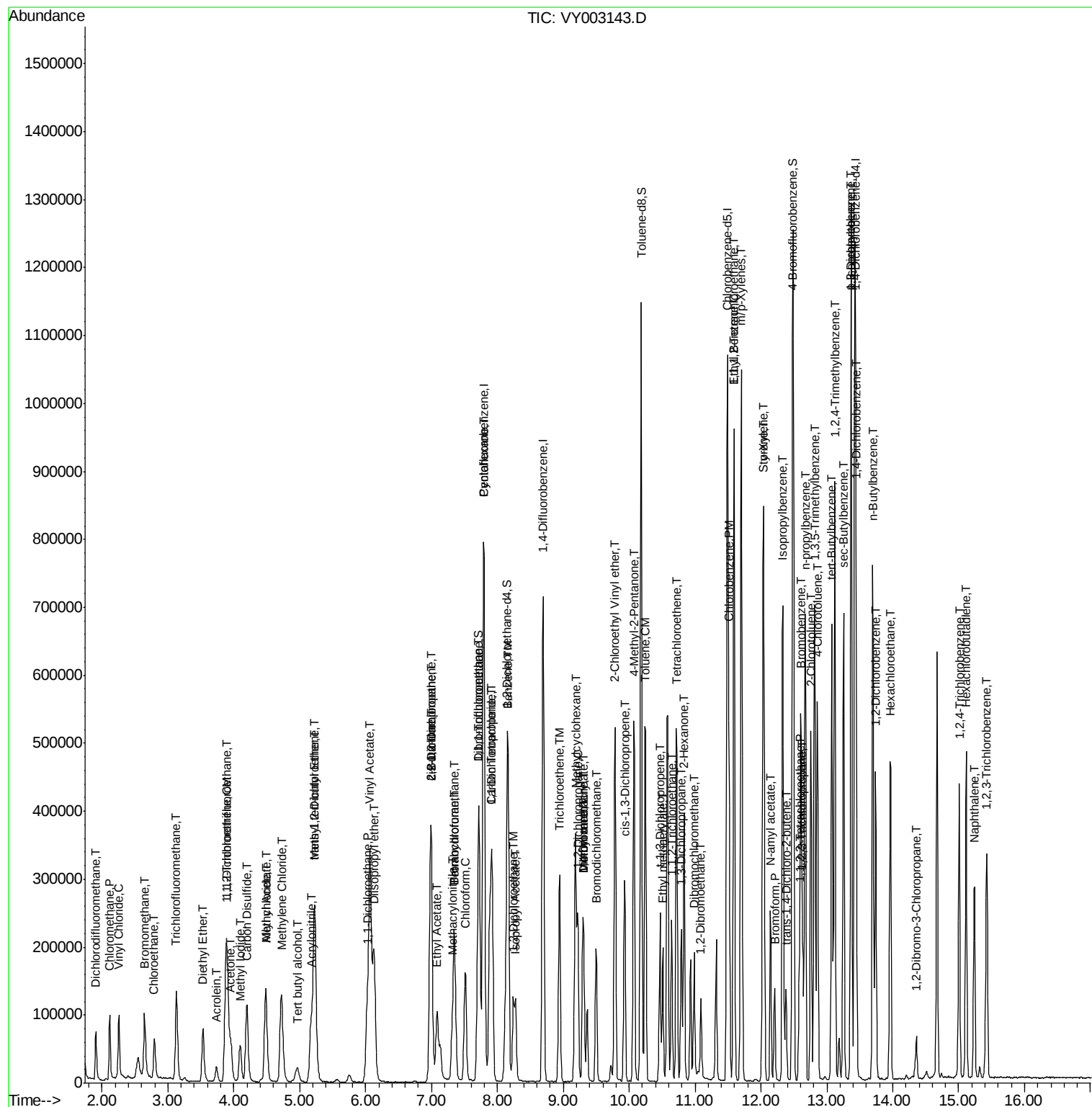
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003143.D
 Acq On : 09 Jul 2020 13:44
 Operator : SY/MD
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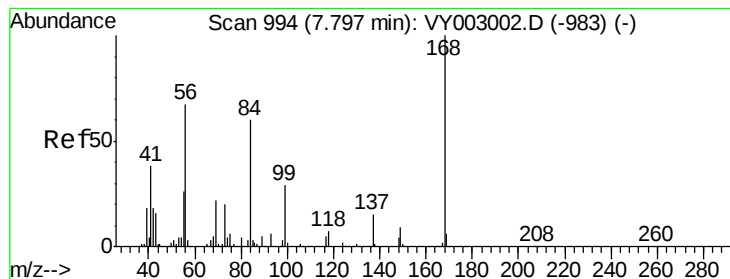
Instrument :
 MSVOA_Y
 Client Sample Id :
 VY0709SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion:168 Resp: 440011

Ion Ratio Lower Upper

168 100

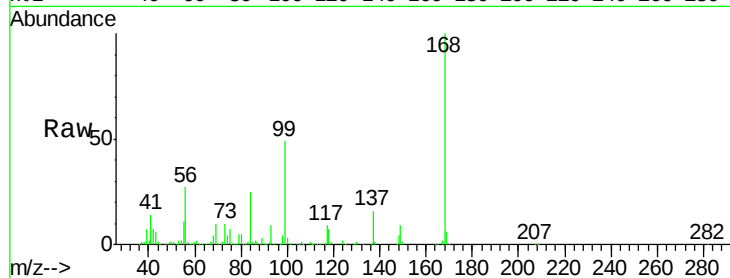
99 48.6 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

7/10/2020 12:18:32 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003143.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003143.D (-945) (-)

200000

150000

100000

50000

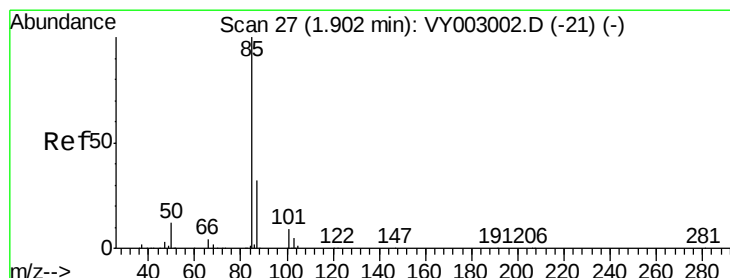
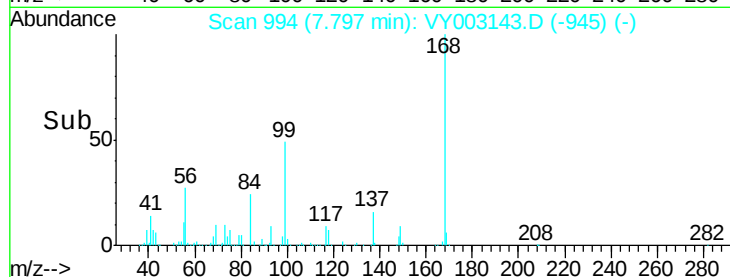
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.106 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003143.D

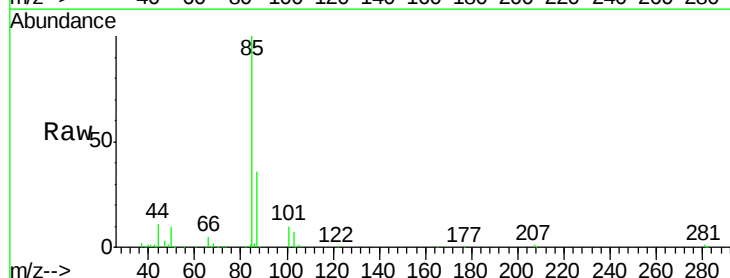
Acq: 09 Jul 2020 13:44

Tgt Ion: 85 Resp: 60334

Ion Ratio Lower Upper

85 100

87 35.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003143.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003143.D (-1) (-)

40000

30000

20000

10000

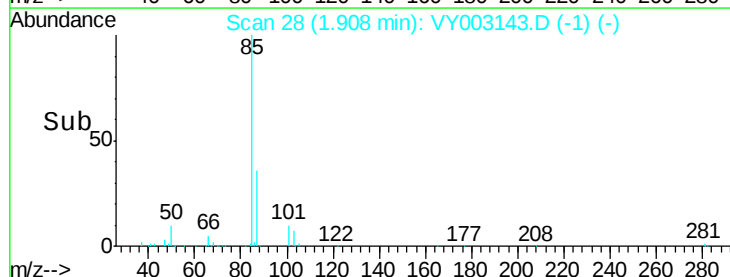
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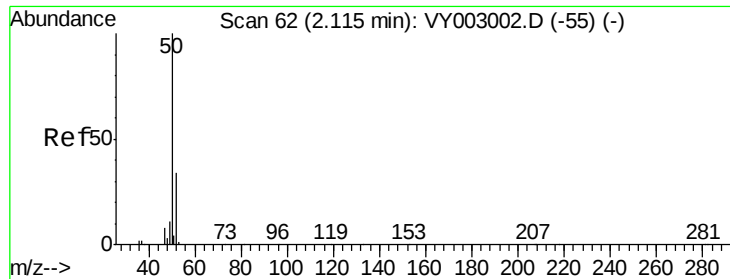
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 18.009 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 50 Resp: 87882

Ion Ratio Lower Upper

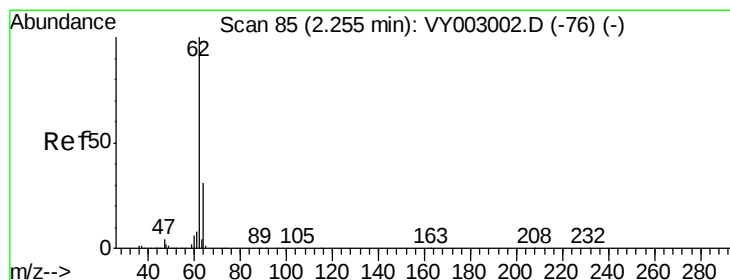
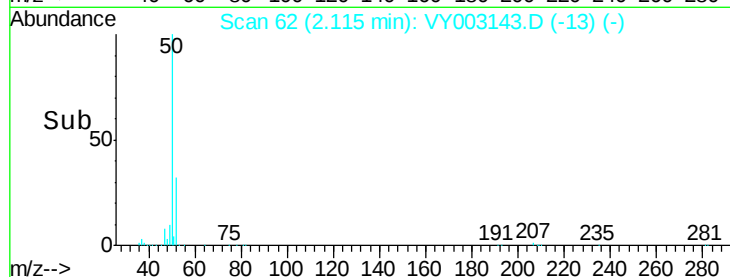
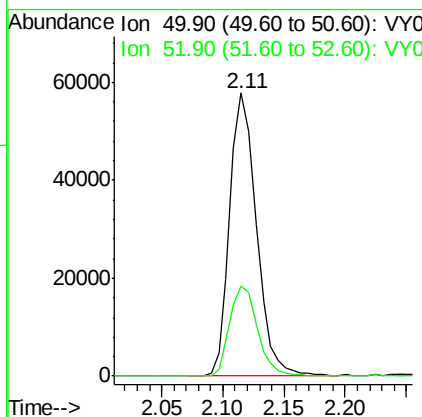
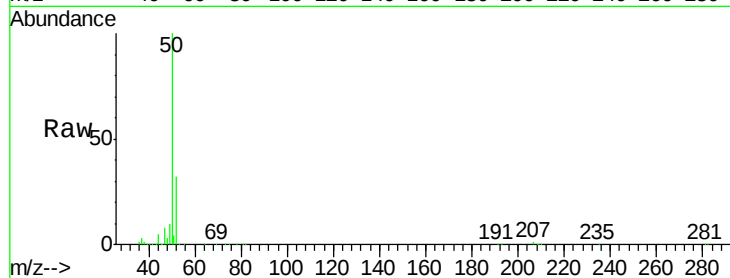
50 100

52 31.8 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.197 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003143.D

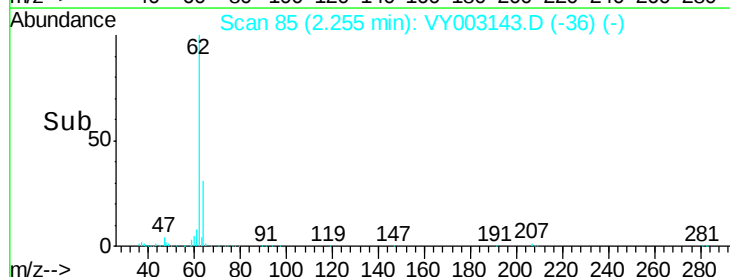
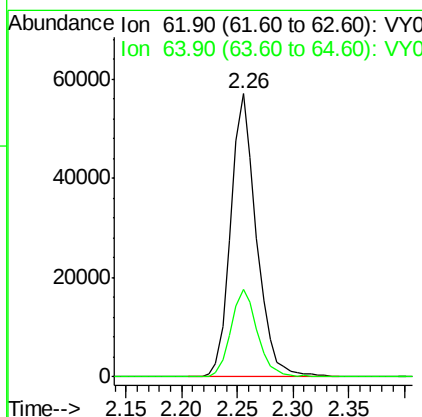
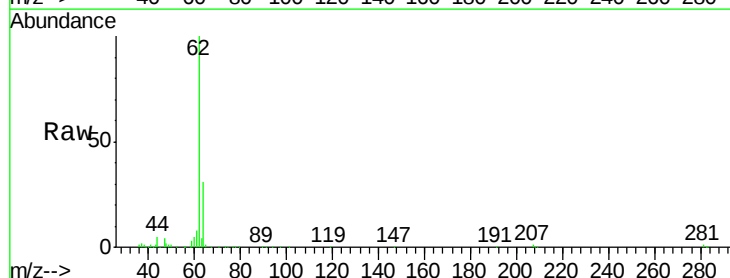
Acq: 09 Jul 2020 13:44

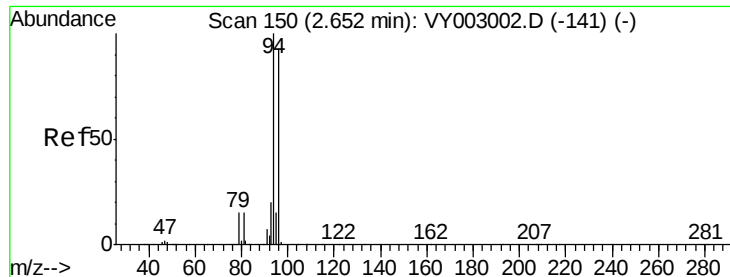
Tgt Ion: 62 Resp: 91376

Ion Ratio Lower Upper

62 100

64 31.1 24.4 36.6





#5

Bromomethane

Concen: 22.668 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 94 Resp: 73260

Ion Ratio Lower Upper

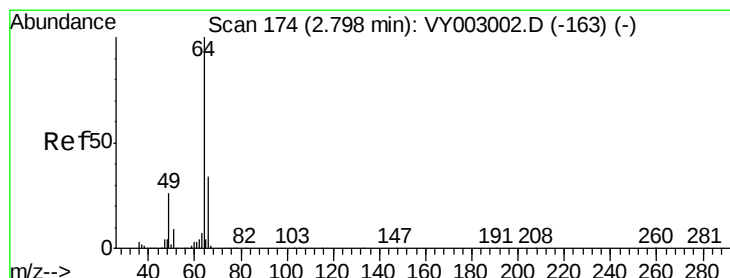
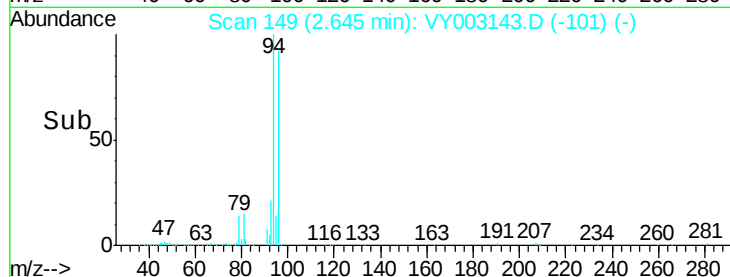
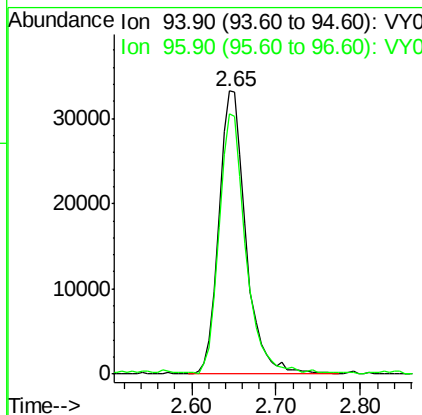
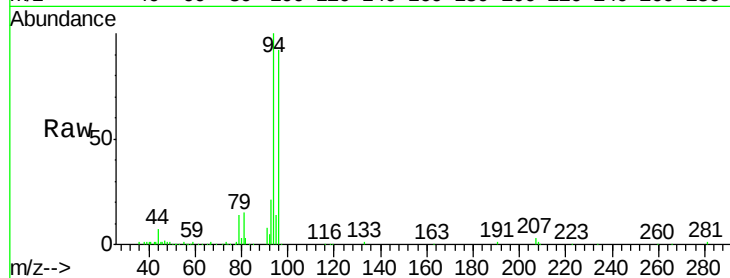
94 100

96 91.2 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 20.196 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003143.D

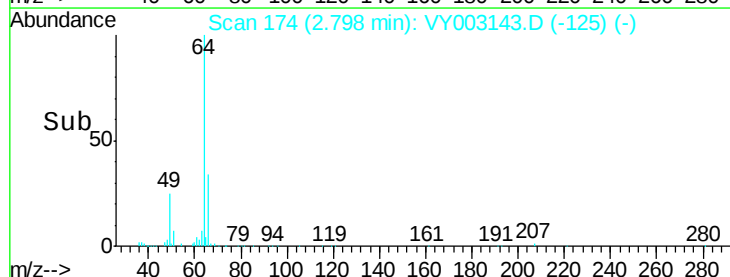
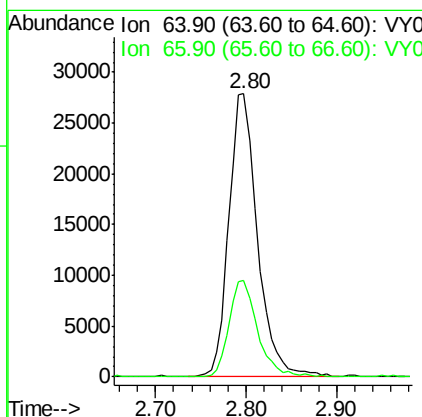
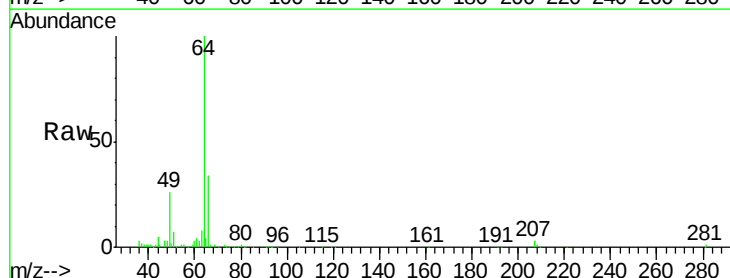
Acq: 09 Jul 2020 13:44

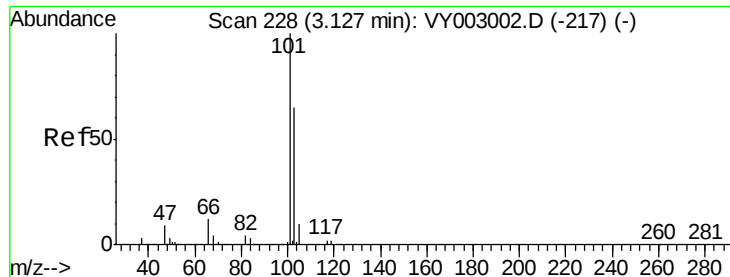
Tgt Ion: 64 Resp: 61153

Ion Ratio Lower Upper

64 100

66 34.1 27.0 40.4





#7

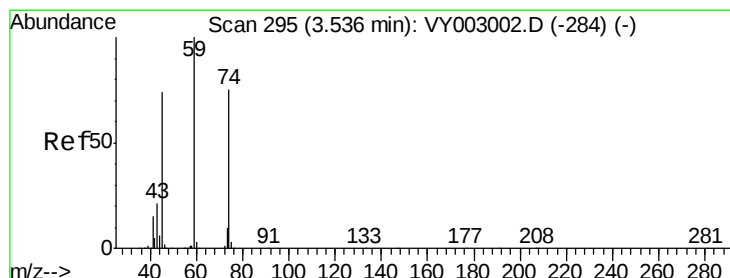
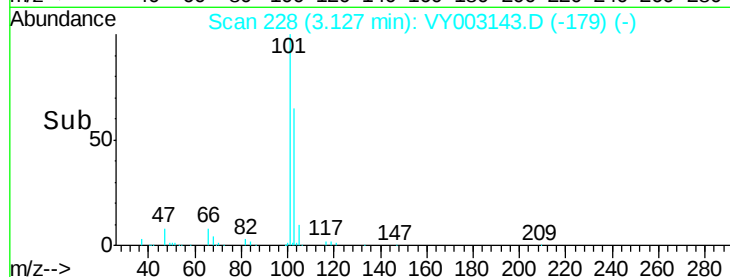
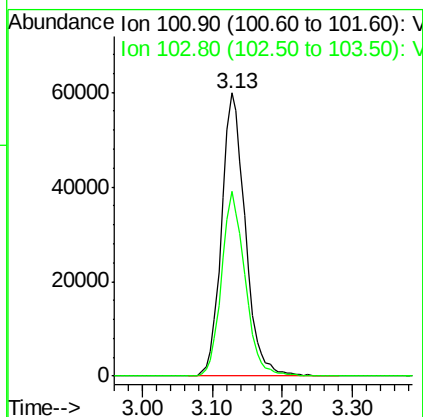
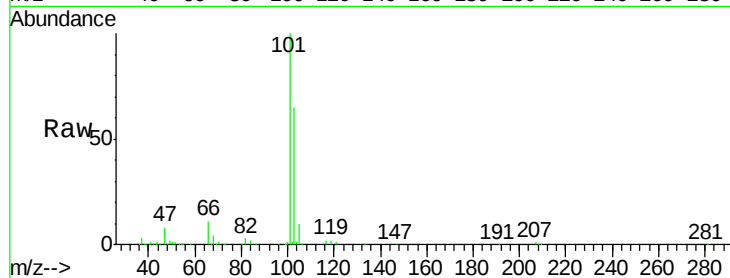
Trichlorofluoromethane
Concen: 21.001 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

Manual Integrations
APPROVED

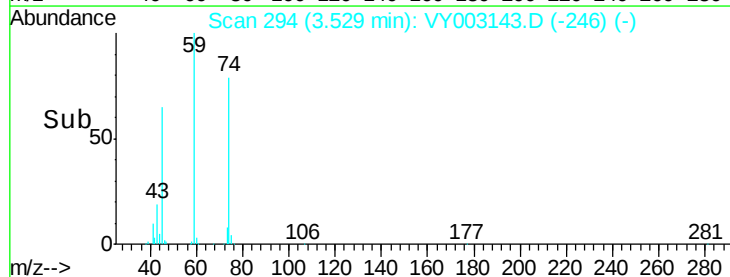
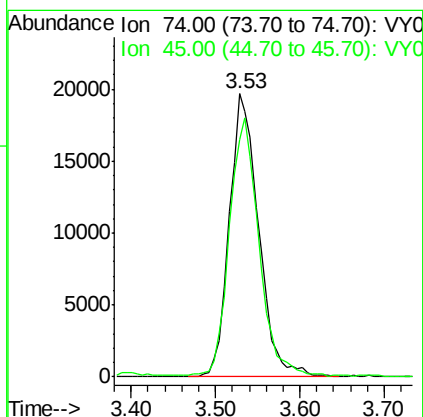
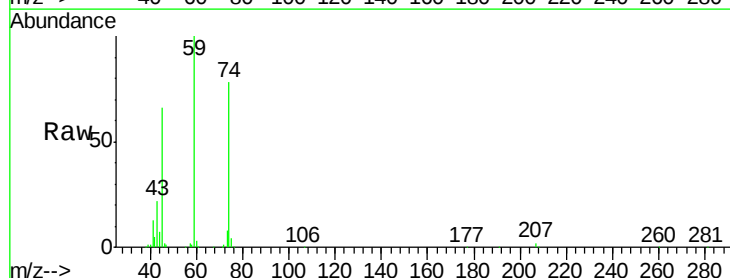
MMDadoda
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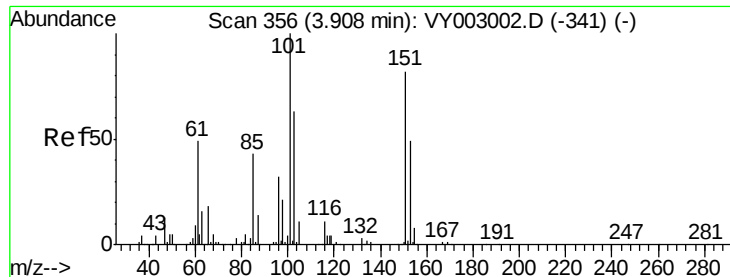


#8

Diethyl Ether
Concen: 20.097 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.191 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

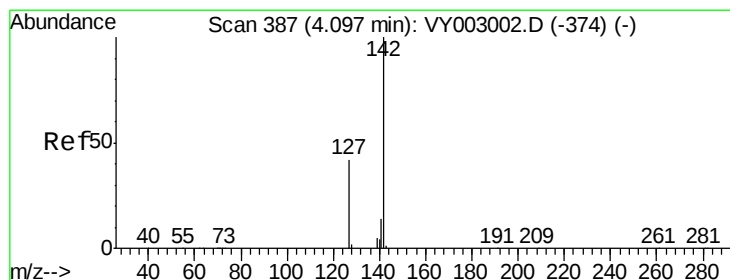
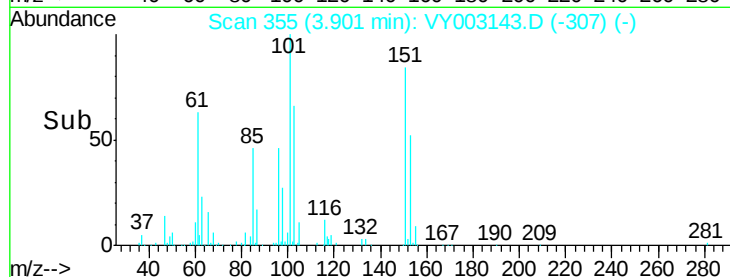
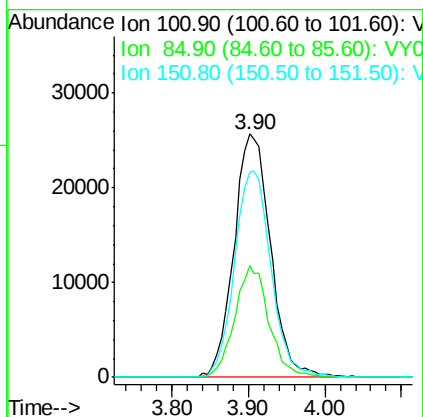
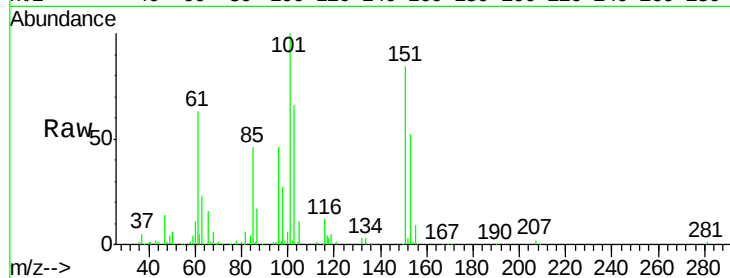
ClientSampleId :

VY0709SBS01

Tot Ion:	101	Resp:	85005
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.5	53.3
151	85.3	65.5	98.3

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#10

Methyl Iodide

Concen: 18.341 ug/l

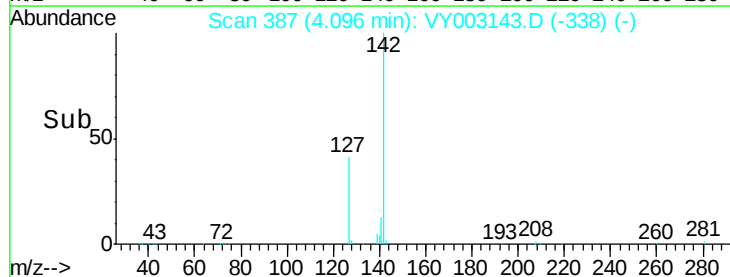
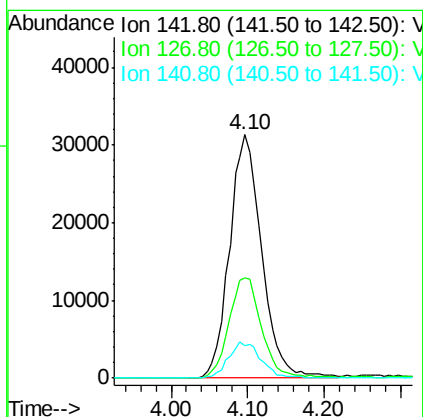
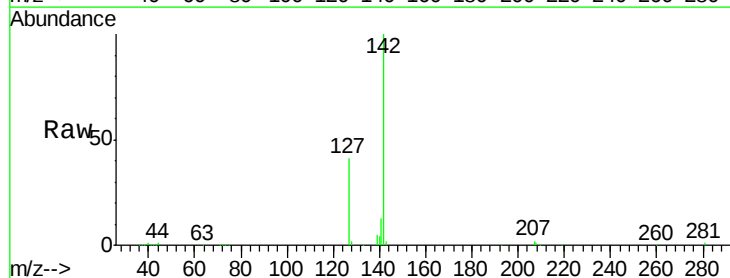
RT: 4.10 min Scan# 387

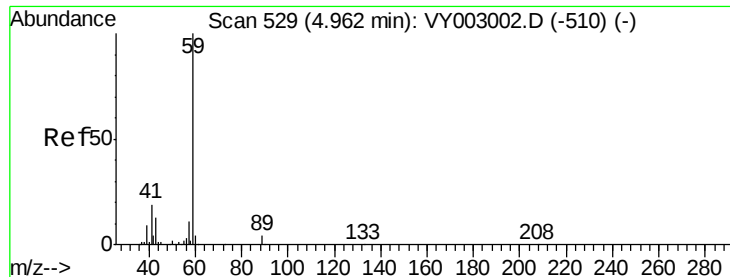
Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion:	142	Resp:	91233
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.2	51.2
141	14.6	11.7	17.5





#11

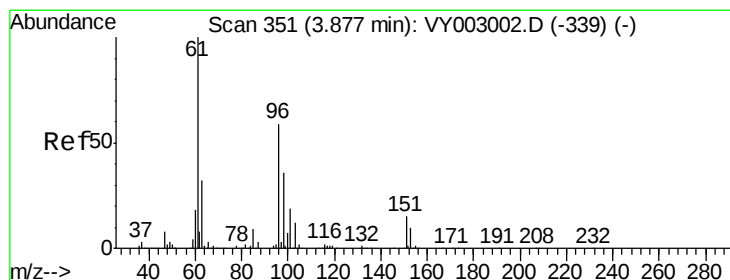
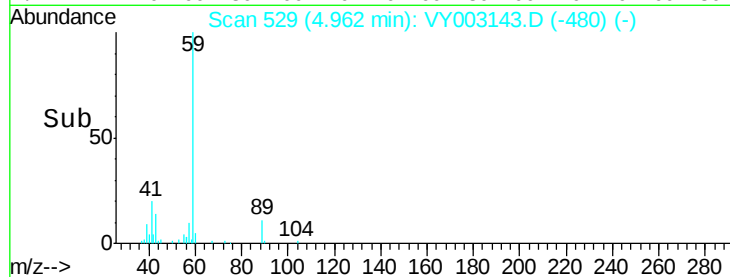
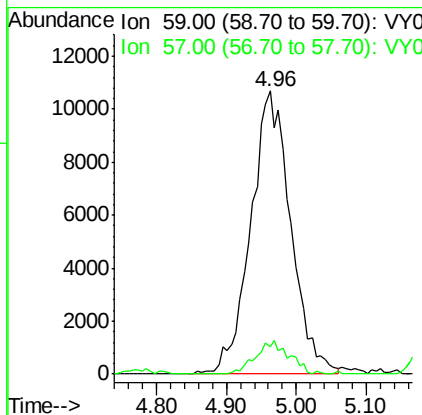
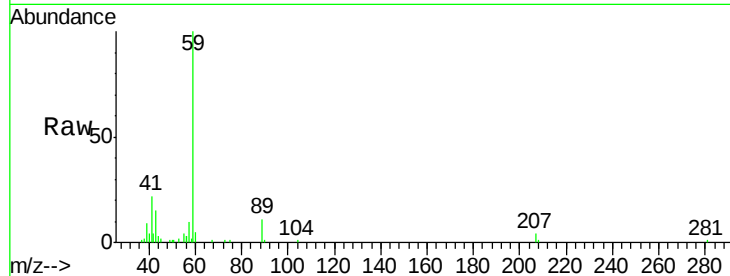
Tert butyl alcohol
 Concen: 95.482 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

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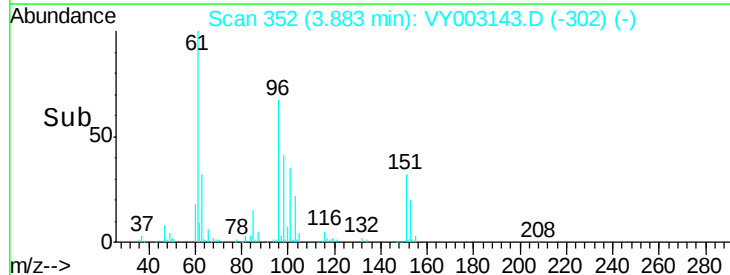
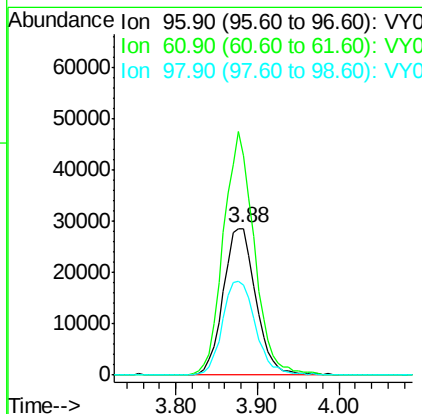
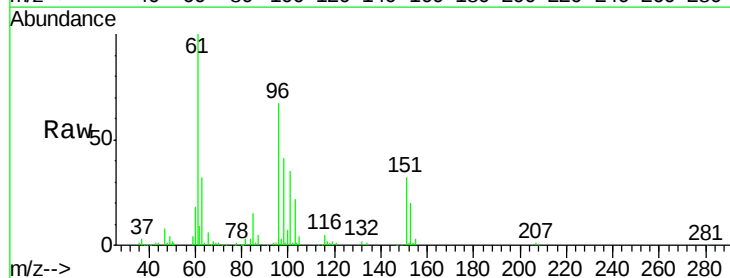
MMDadoda
 7/10/2020 12:18:32 PM

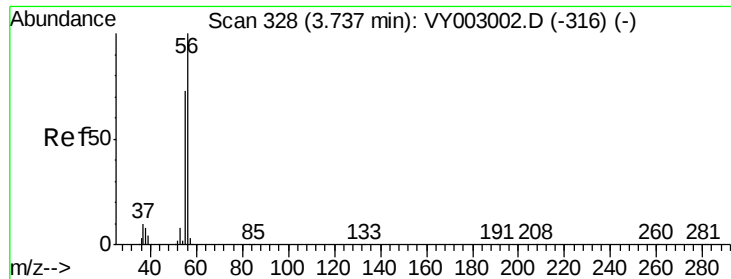


#12

1,1-Dichloroethene
 Concen: 20.787 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	136.7	205.1
98	61.4	49.7	74.5





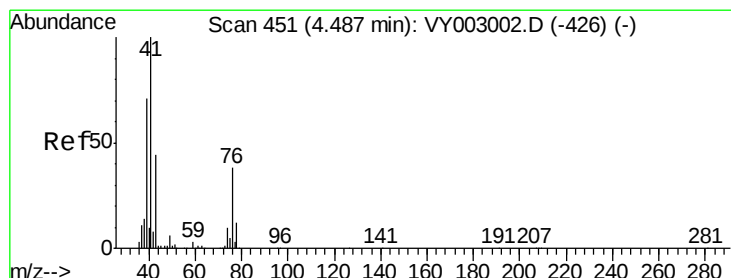
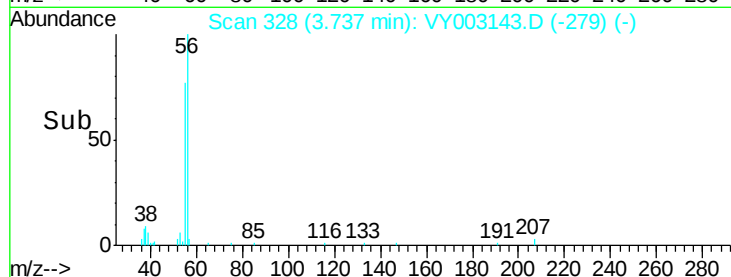
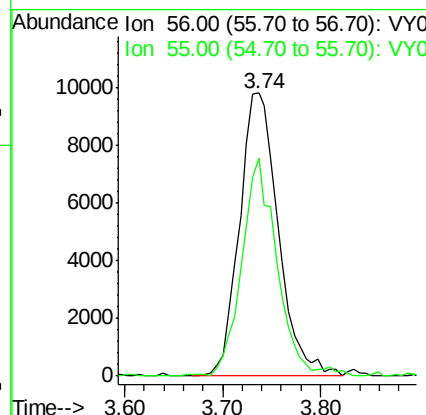
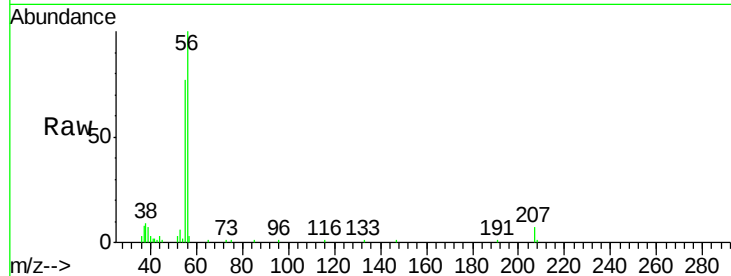
#13
 Acrolein
 Concen: 67.616 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion: 56 Resp: 27047
 Ion Ratio Lower Upper
 56 100
 55 67.6 56.4 84.6

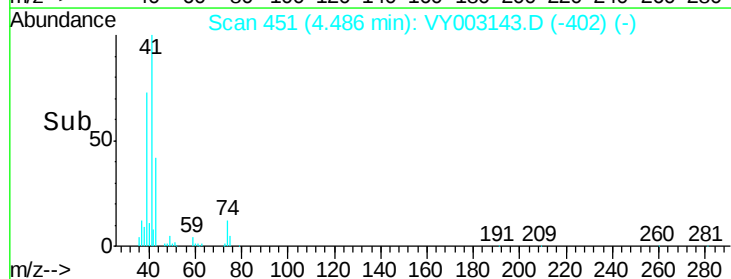
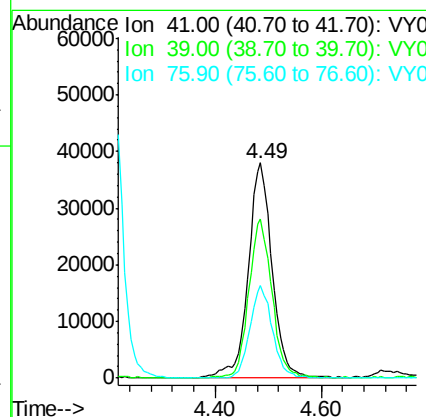
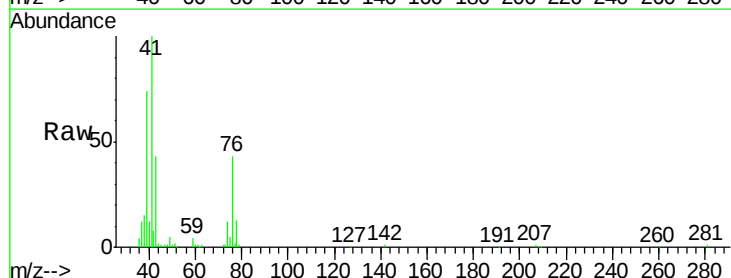
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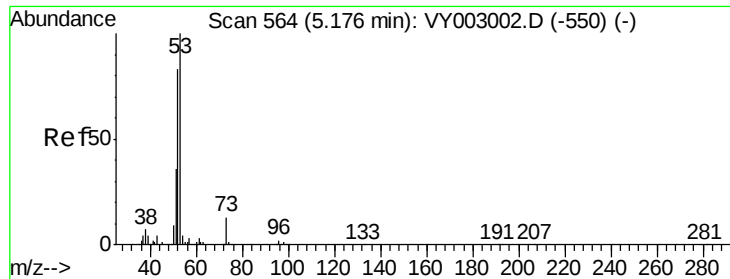
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#14
 Allyl chloride
 Concen: 17.687 ug/l
 RT: 4.49 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion: 41 Resp: 117864
 Ion Ratio Lower Upper
 41 100
 39 71.5 55.6 83.4
 76 40.2 28.6 43.0





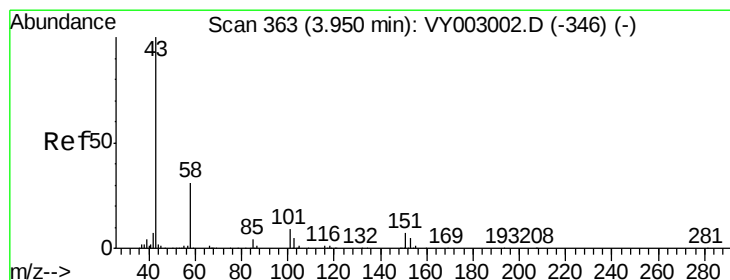
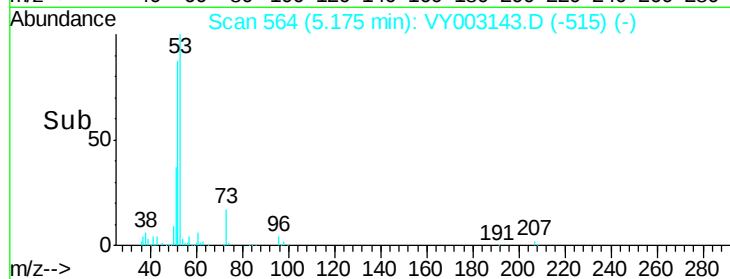
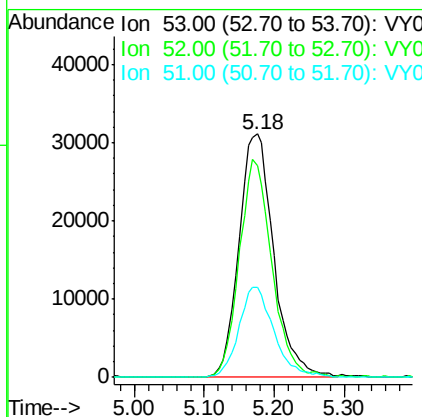
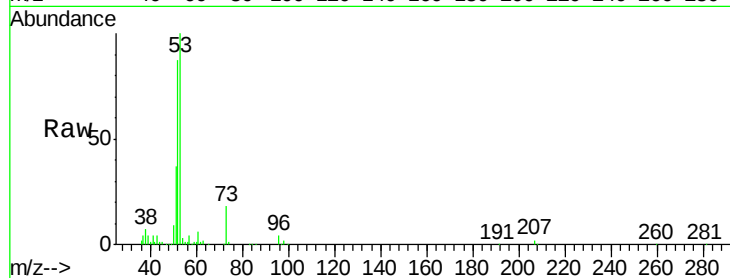
#15
 Acrylonitrile
 Concen: 90.547 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion:	53	Resp:	107479
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.2	99.2
51	37.4	29.5	44.3

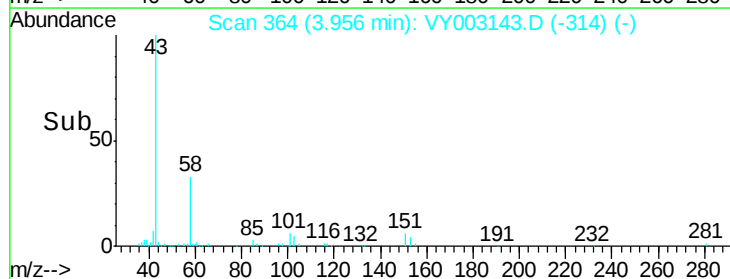
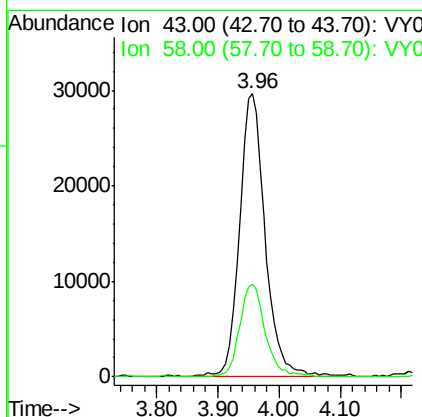
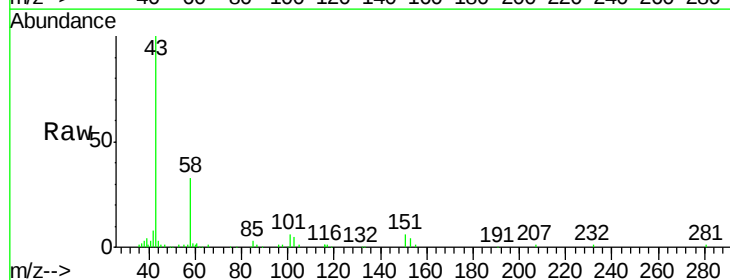
Manual Integrations
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#16
 Acetone
 Concen: 83.250 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion:	43	Resp:	85806
Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.7	37.1





#17

Carbon Disulfide

Concen: 18.895 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 76 Resp: 230424

Ion Ratio Lower Upper

76 100

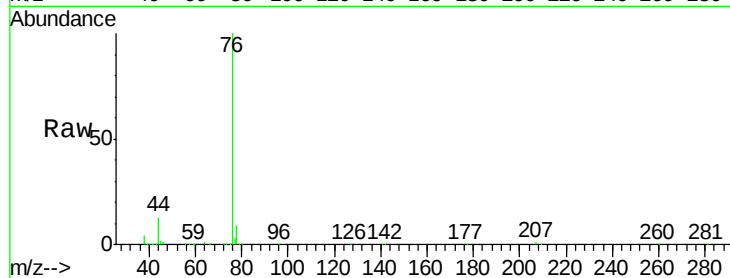
78 9.4 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

80000

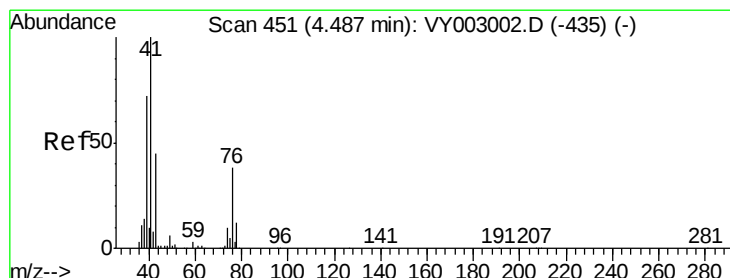
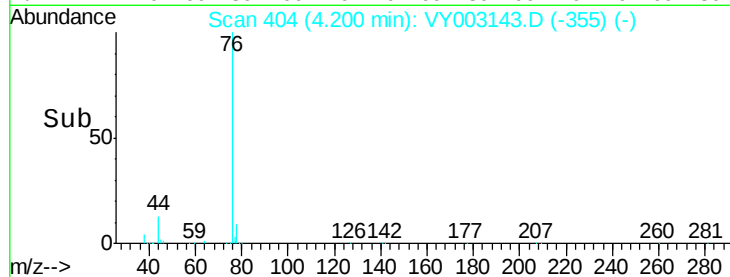
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.030 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003143.D

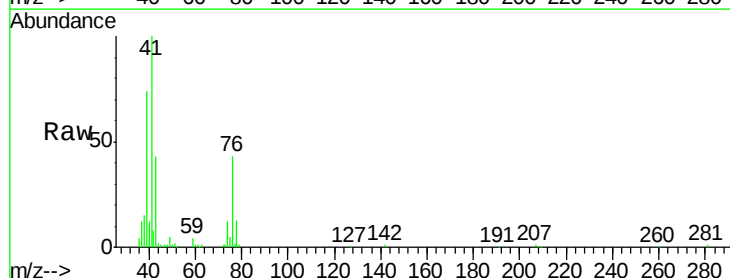
Acq: 09 Jul 2020 13:44

Tgt Ion: 43 Resp: 50066

Ion Ratio Lower Upper

43 100

74 26.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

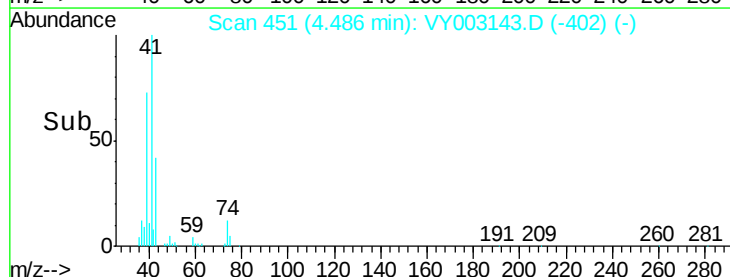
15000

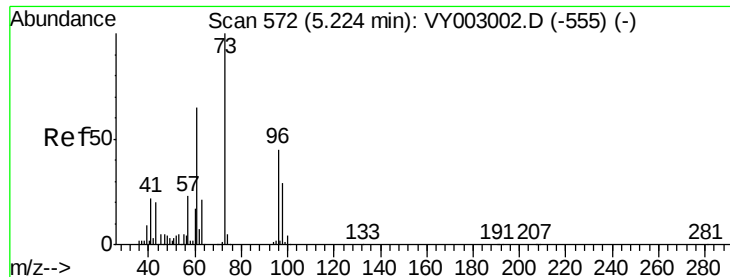
10000

5000

0

Time-->





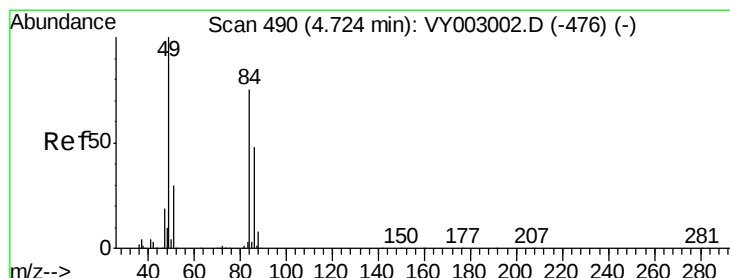
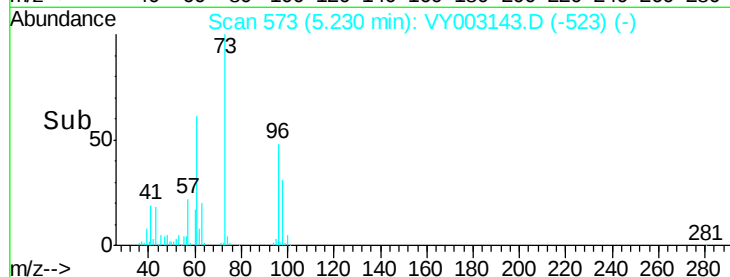
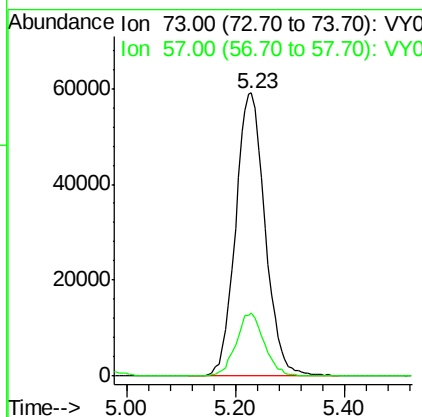
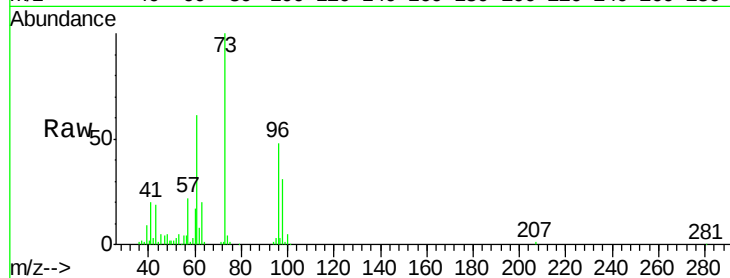
#19
Methvl tert-butvl Ether
Concen: 20.030 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	73	Resp	222848
Ion Ratio	Lower	Upper	
73	100		
57	22.2	18.2	27.2

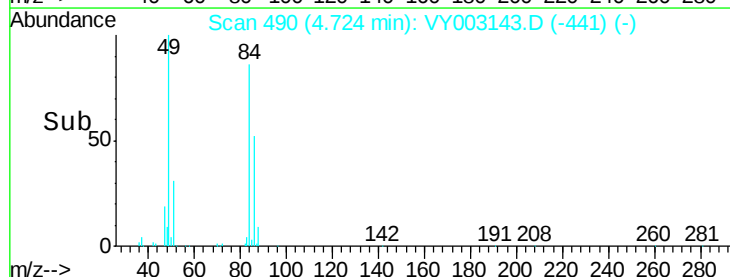
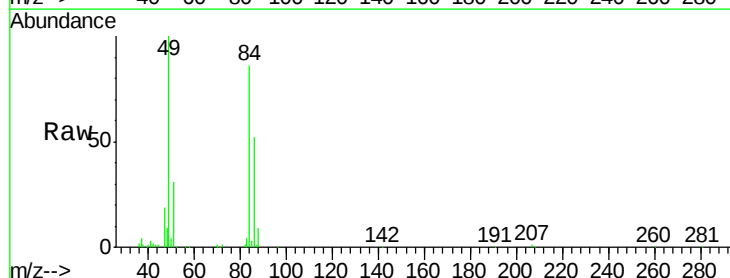
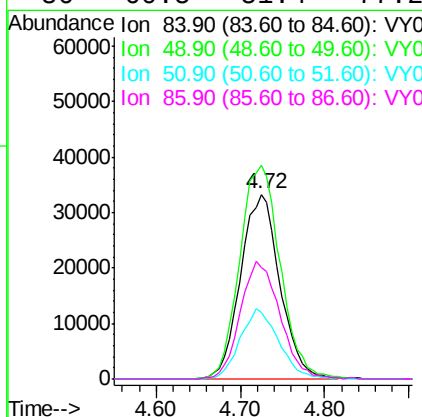
Manual Integrations
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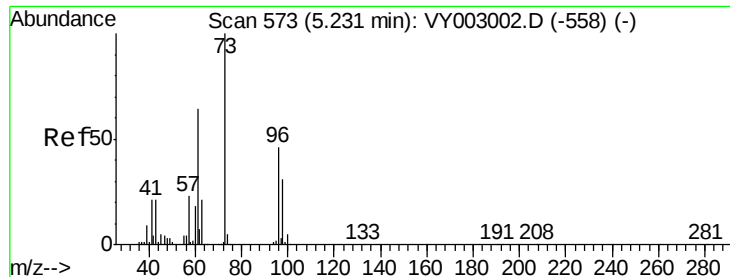
MMDadoda
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#20
Methylene Chloride
Concen: 18.446 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	84	Resp	105073
Ion Ratio	Lower	Upper	
84	100		
49	115.8	106.8	160.2
51	36.3	32.0	48.0
86	60.5	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

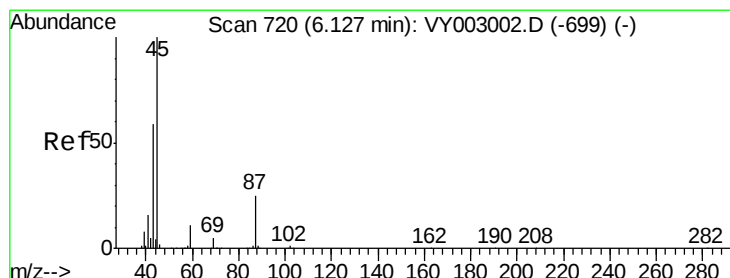
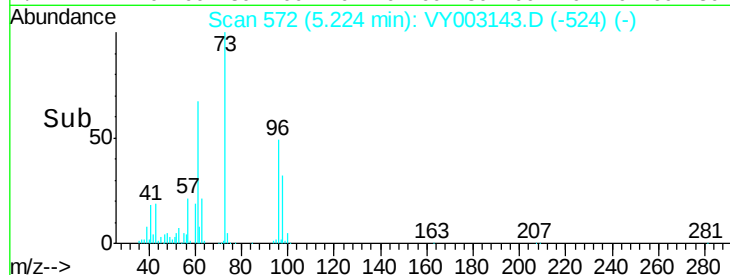
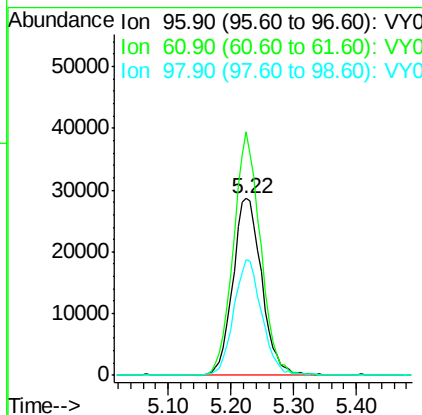
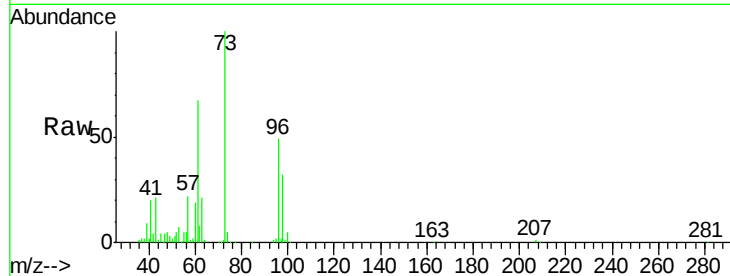
ClientSampleId :

VY0709SBS01

Tot Ion:	96	Resp:	91408
Ion	Ratio	Lower	Upper
96	100		
61	137.9	112.3	168.5
98	65.5	53.8	80.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.484 ug/l

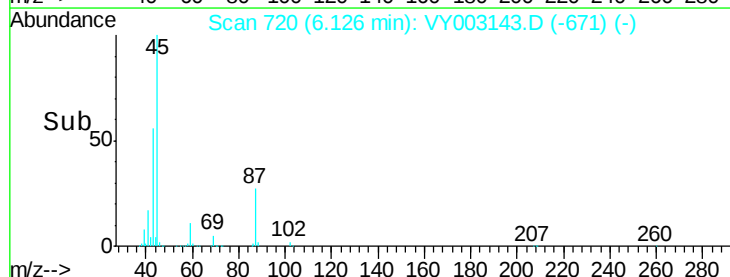
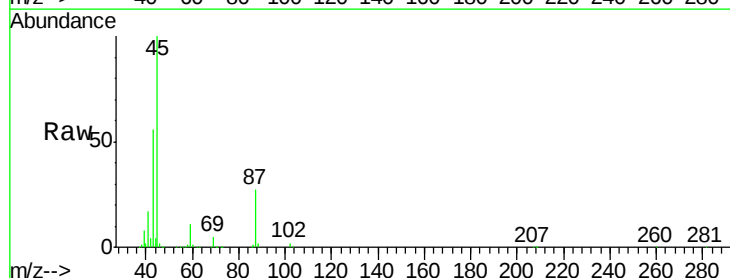
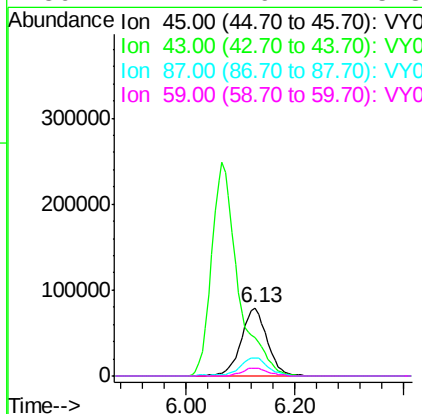
RT: 6.13 min Scan# 720

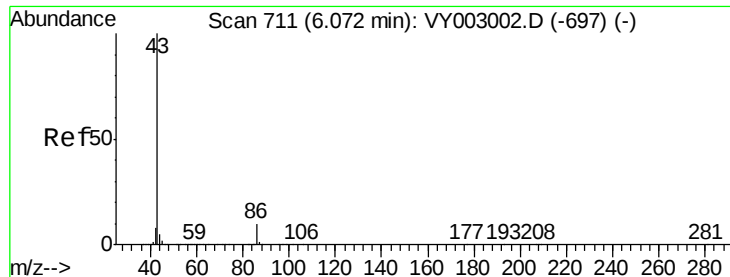
Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion:	45	Resp:	264010
Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.4	71.2
87	26.9	20.2	30.2
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 87.687 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tot Ion: 43 Resp: 837327

Ion Ratio Lower Upper

43 100

86 11.8 8.1 12.1

Instrument :

MSVOA_Y

ClientSampleId :

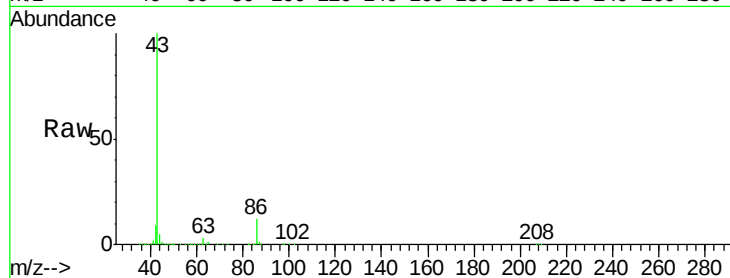
VY0709SBS01

Manual Integrations

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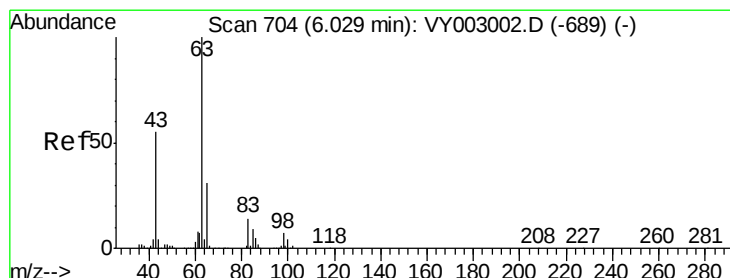
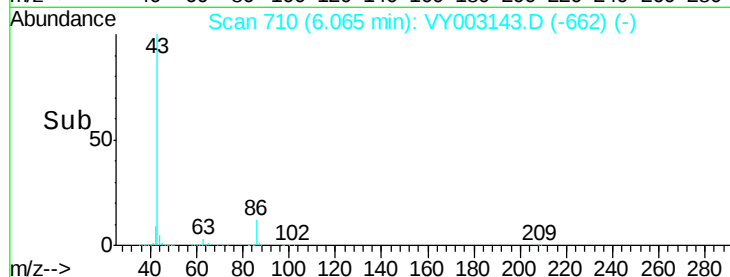
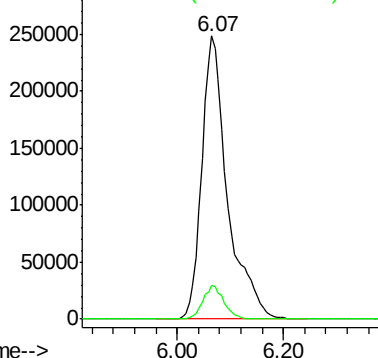
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.683 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

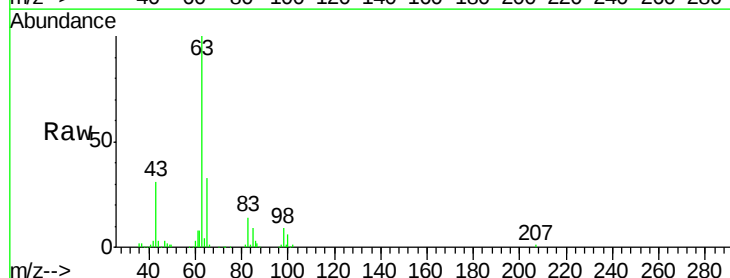
Tgt Ion: 63 Resp: 153566

Ion Ratio Lower Upper

63 100

98 9.4 3.4 10.1

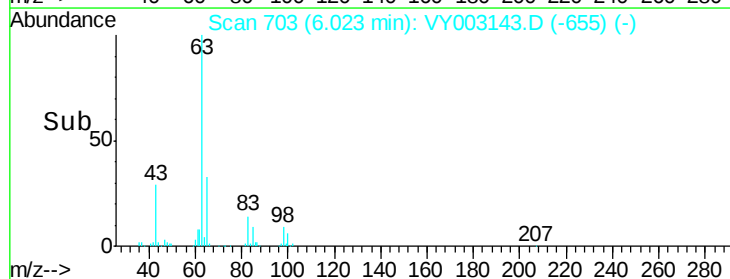
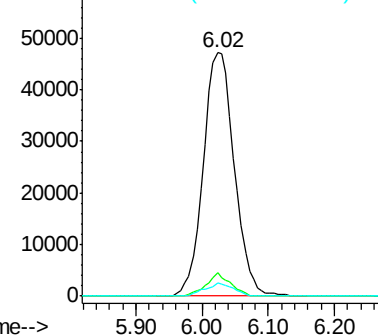
100 5.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 84.550 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 43 Resp: 138431

Ion Ratio Lower Upper

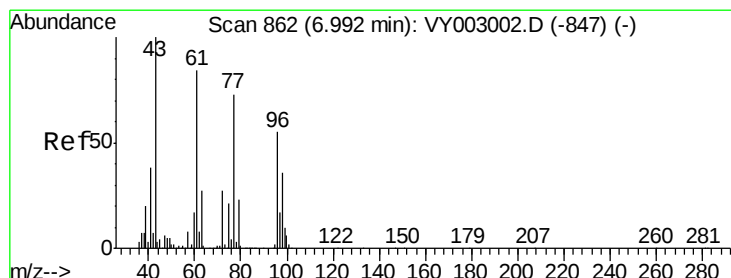
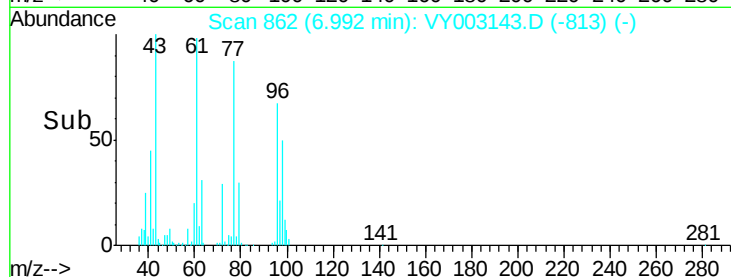
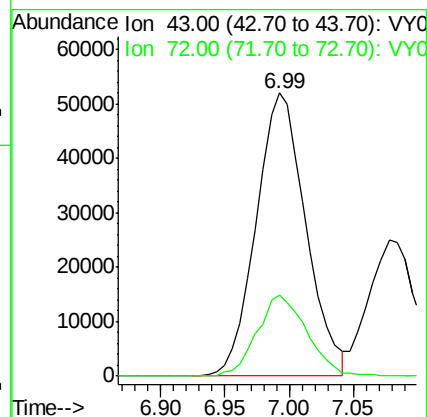
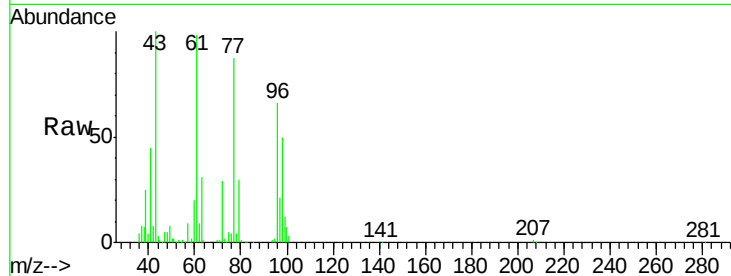
43 100

72 28.9 21.4 32.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.163 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003143.D

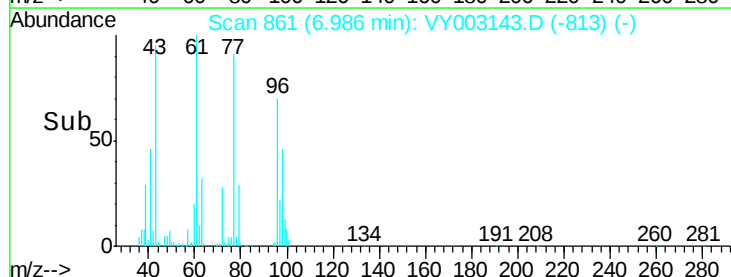
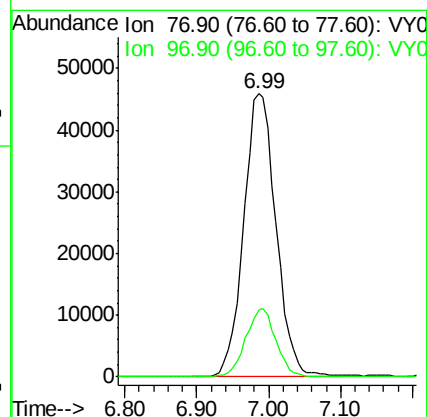
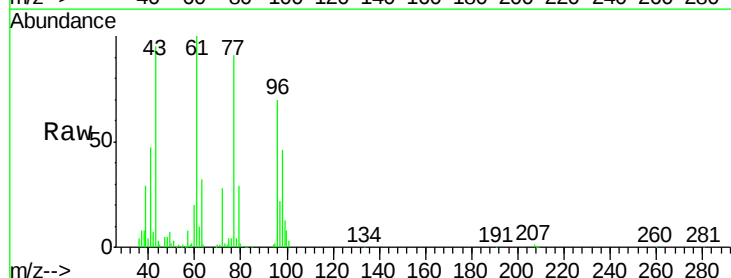
Acq: 09 Jul 2020 13:44

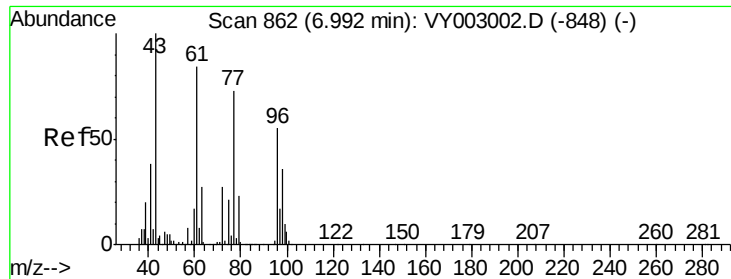
Tgt Ion: 77 Resp: 142926

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.9





#27

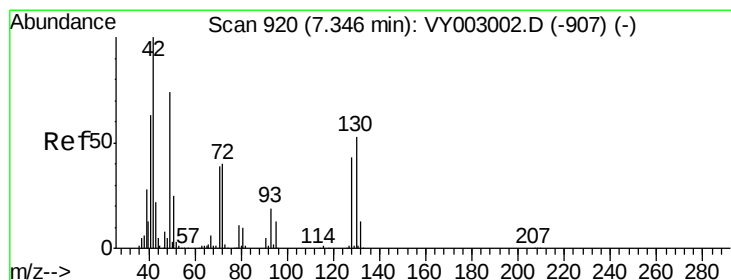
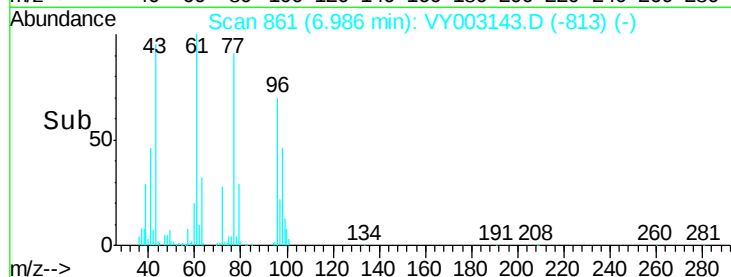
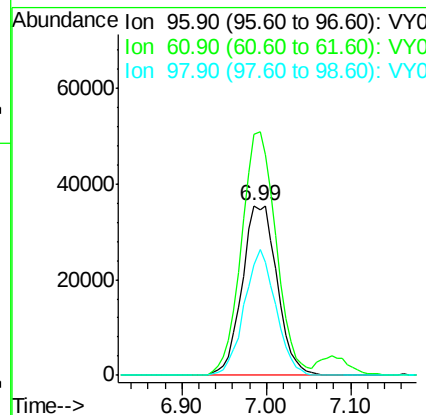
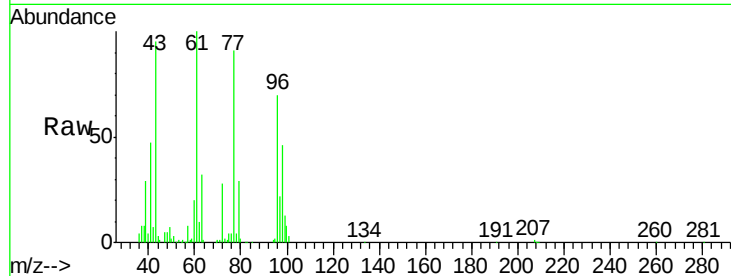
cis-1,2-Dichloroethene
 Concen: 20.627 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	301.2	
98	66.5	0.0	129.0	

Manual Integrations
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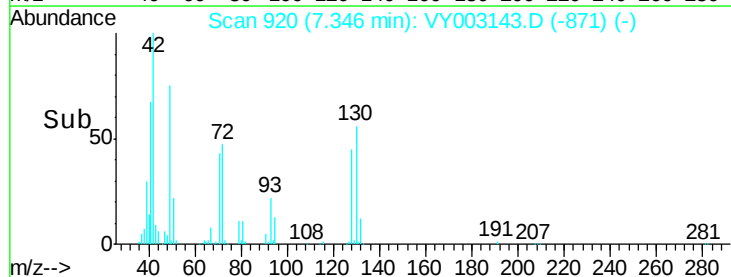
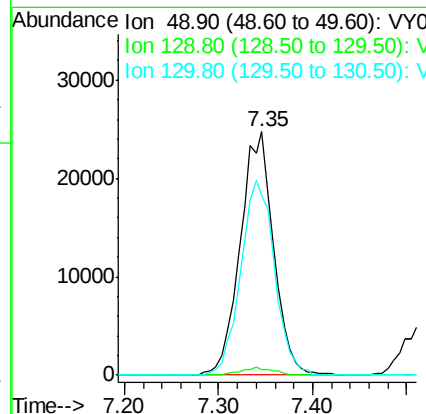
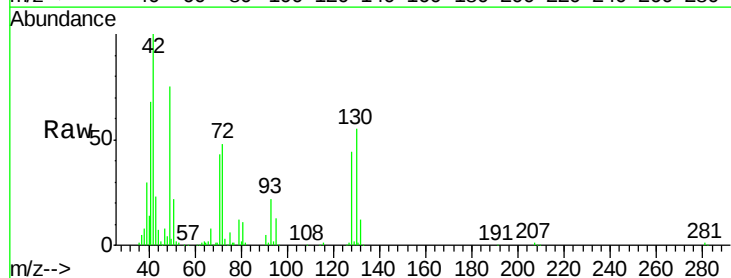
MMDadoda
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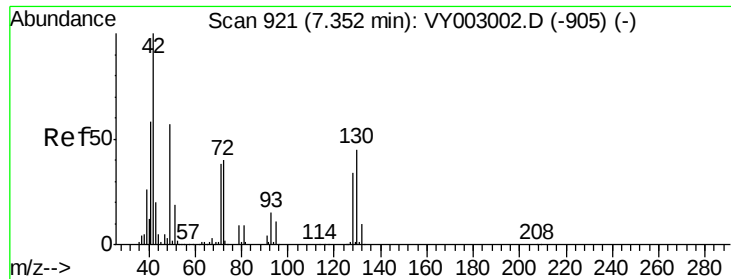


#28

Bromochloromethane
 Concen: 17.562 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0	0.0	4.4	
130	81.3	57.0	85.6	





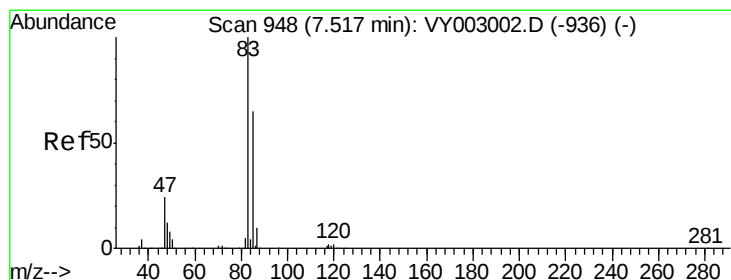
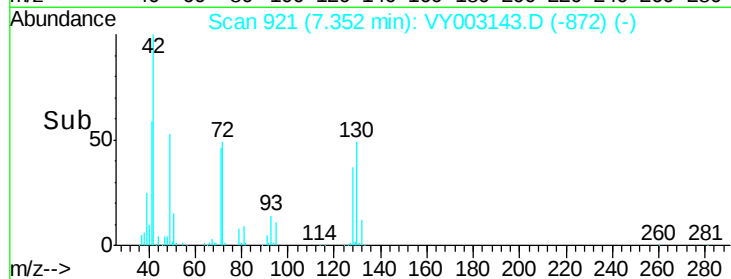
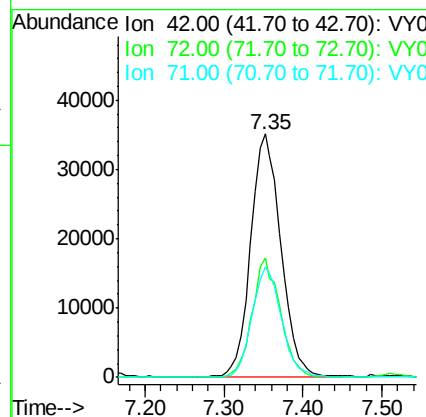
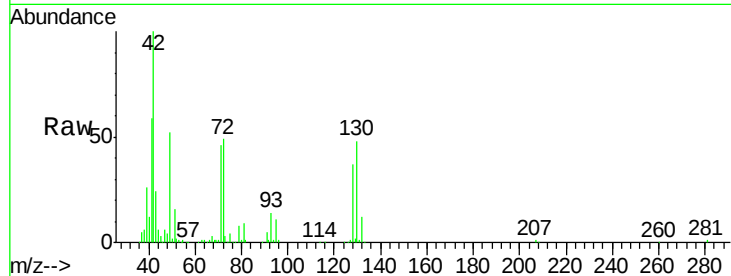
#29
Tetrahydrofuran
Concen: 86.421 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion:	42	Resp:	94094
Ion Ratio	Lower	Upper	
42	100		
72	45.7	32.9	49.3
71	43.9	31.2	46.8

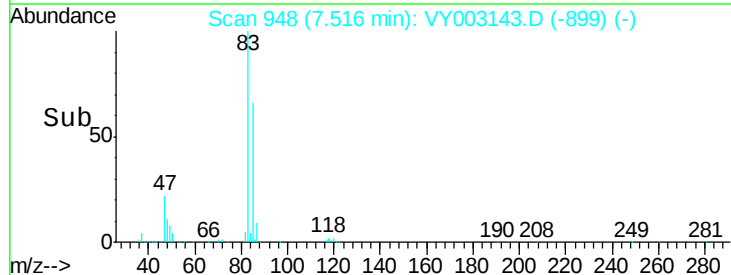
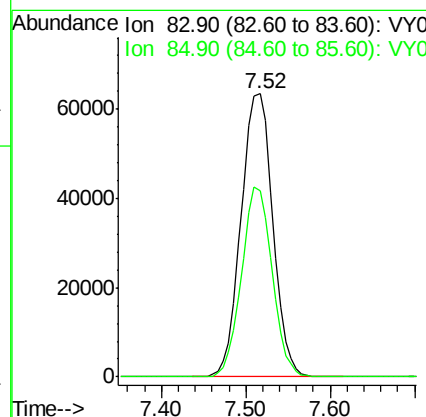
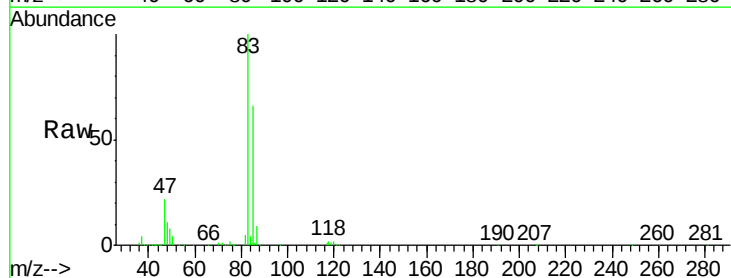
Manual Integrations
APPROVED

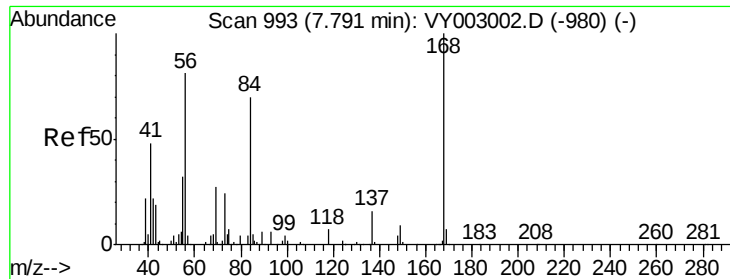
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#30
Chloroform
Concen: 20.897 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion:	83	Resp:	161523
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.7	77.5





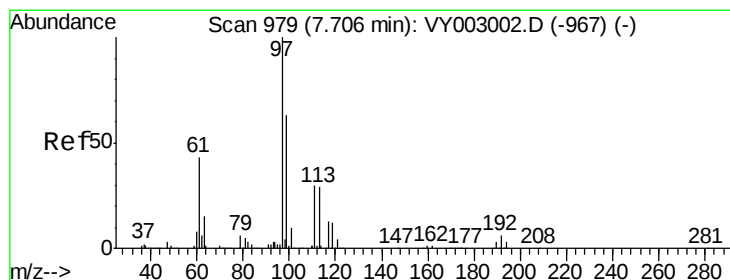
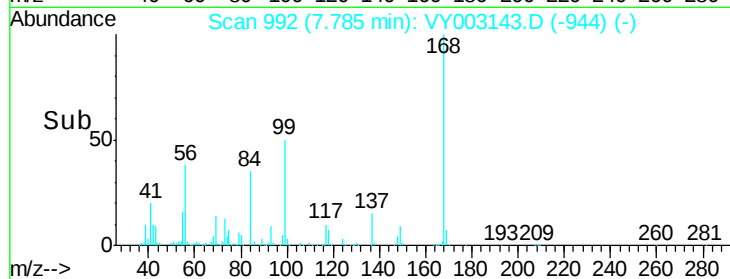
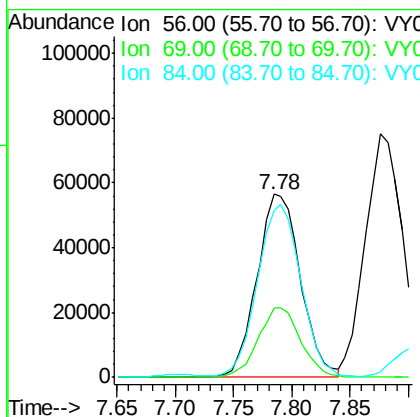
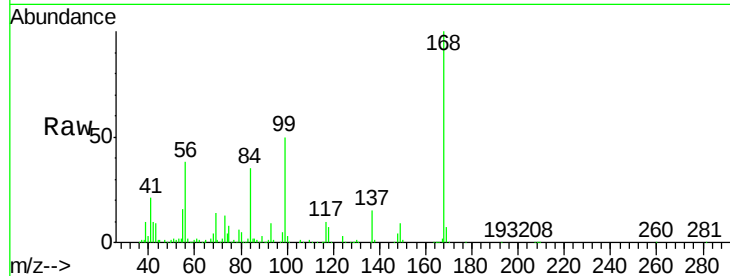
#31
Cvclohexane
Concen: 19.079 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.7	27.0	40.4	
84	89.4	68.1	102.1	

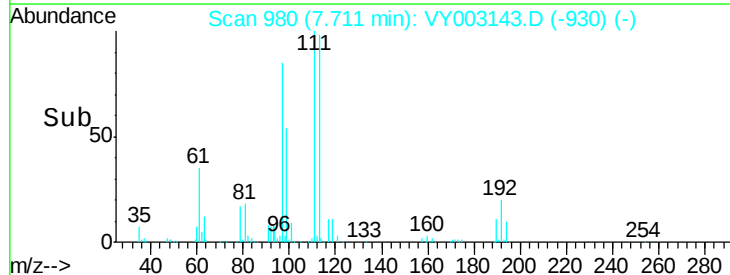
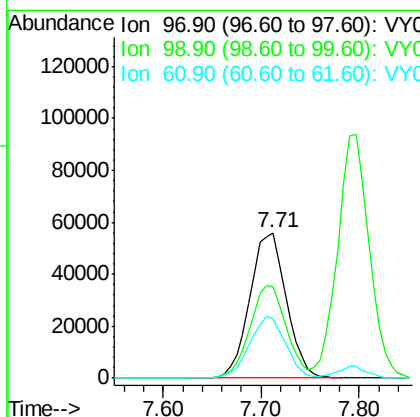
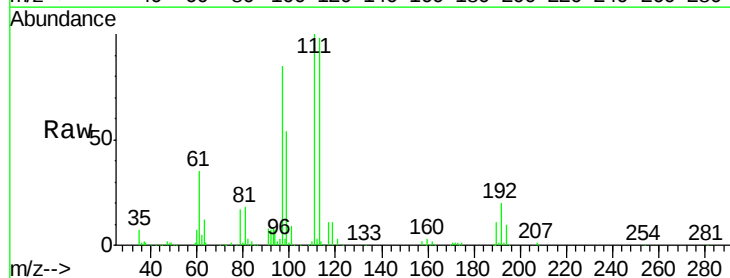
Manual Integrations
APPROVED

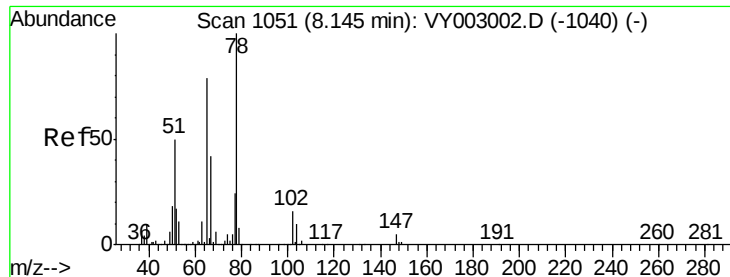
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#32
1,1,1-Trichloroethane
Concen: 20.636 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.3	51.4	77.2	
61	41.4	33.9	50.9	





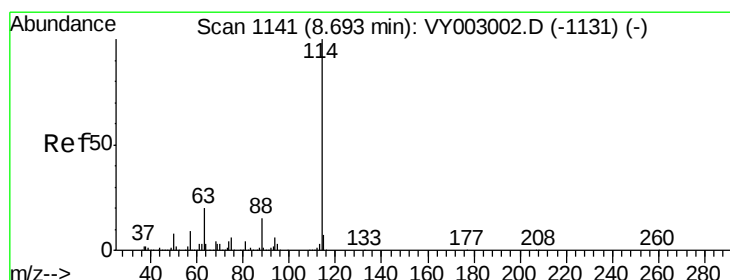
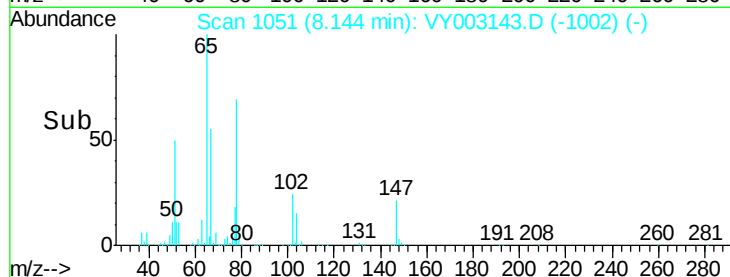
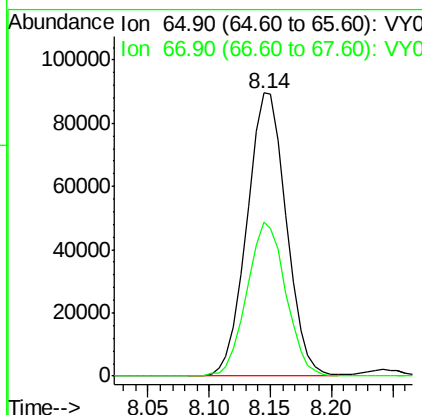
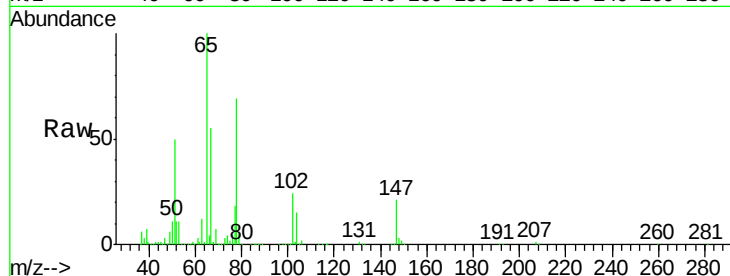
#33
 1,2-Dichloroethane-d4
 Concen: 45.898 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200583		
67	53.9	0.0	105.6	

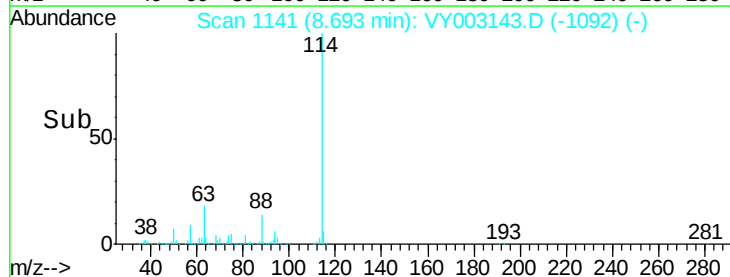
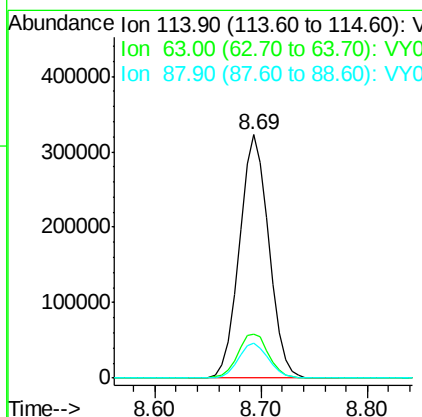
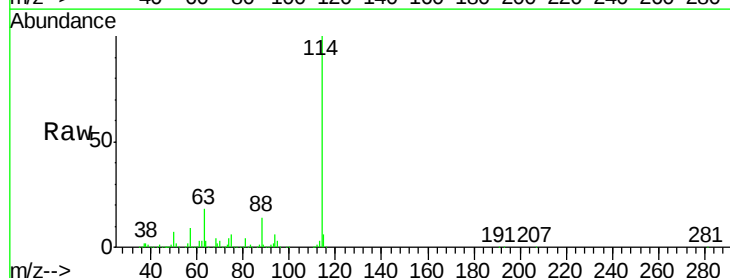
Manual Integrations
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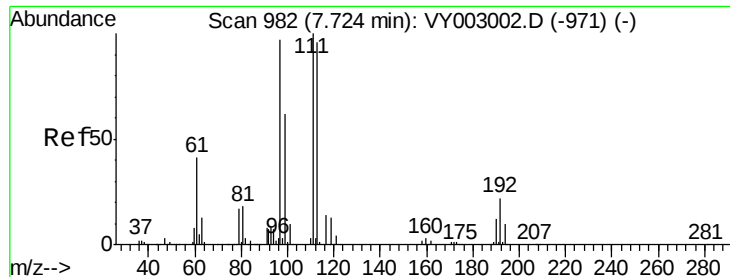
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	625958		
63	18.1	0.0	40.6	
88	14.4	0.0	30.0	





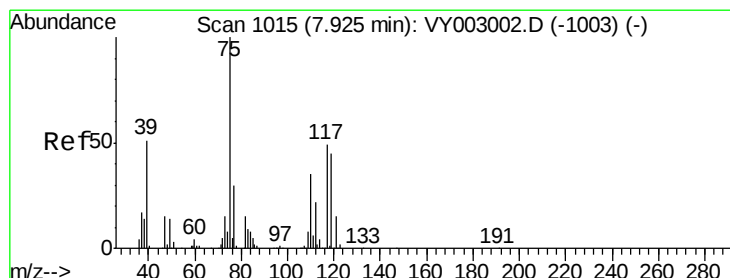
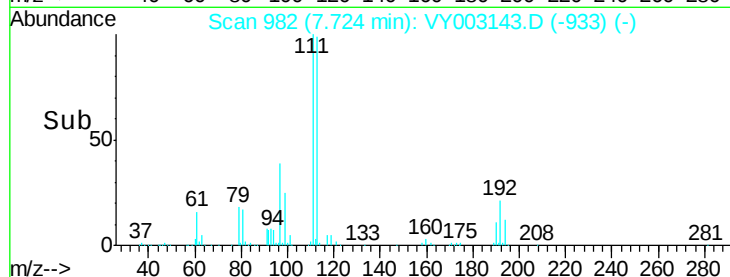
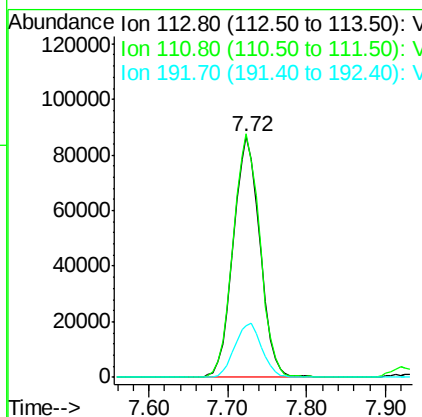
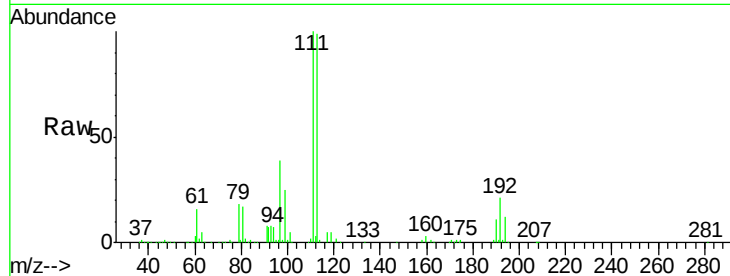
#35
Dibromofluoromethane
Concen: 52.135 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203578		
111	101.7		82.6	123.8
192	22.8		18.1	27.1

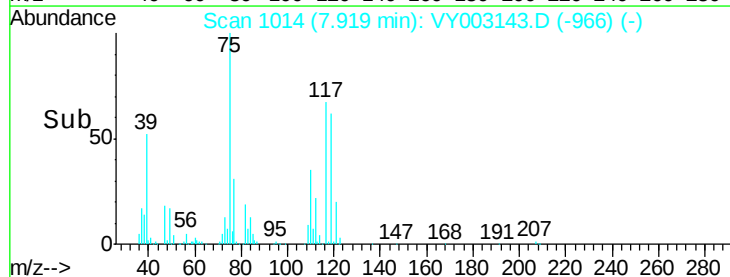
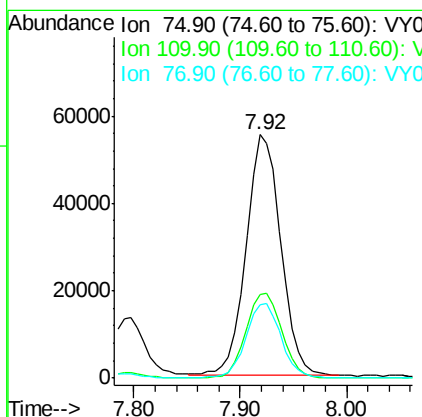
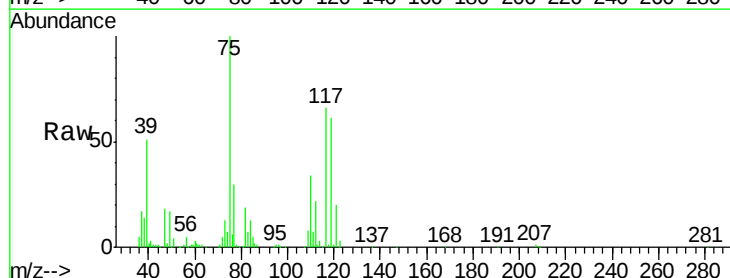
Manual Integrations
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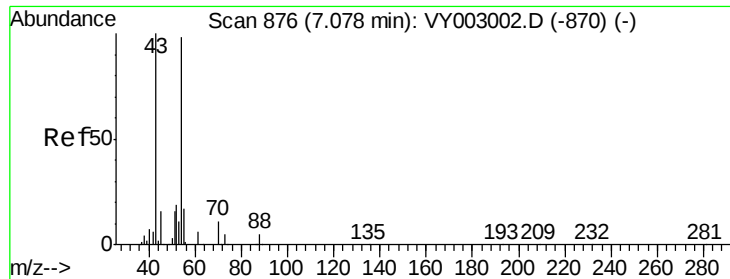
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#36
1,1-Dichloropropene
Concen: 20.952 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126329		
110	36.3		17.1	51.2
77	31.5		24.9	37.3





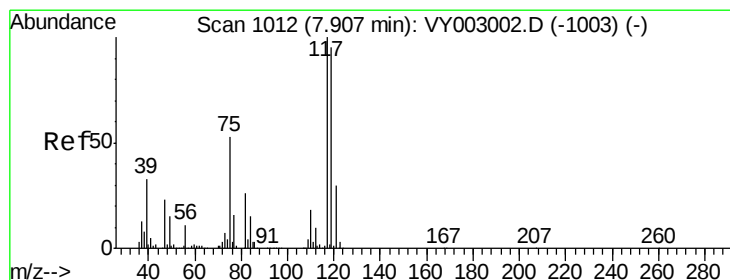
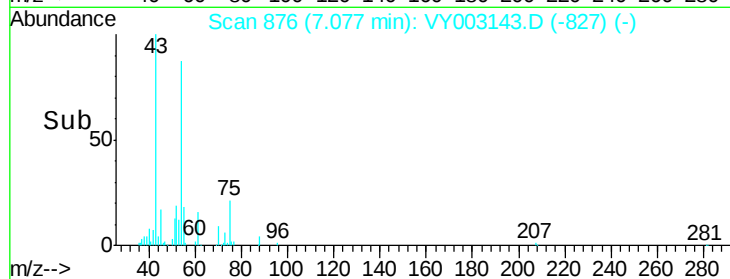
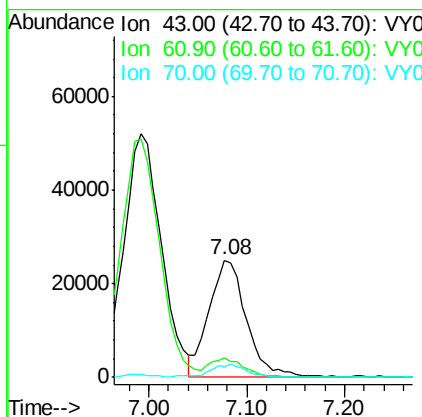
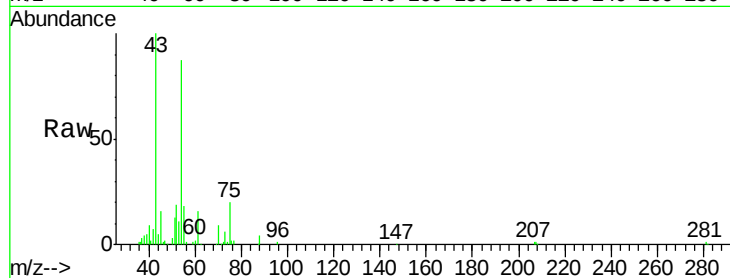
#37
Ethyl Acetate
Concen: 18.065 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	10.9	7.7	11.5

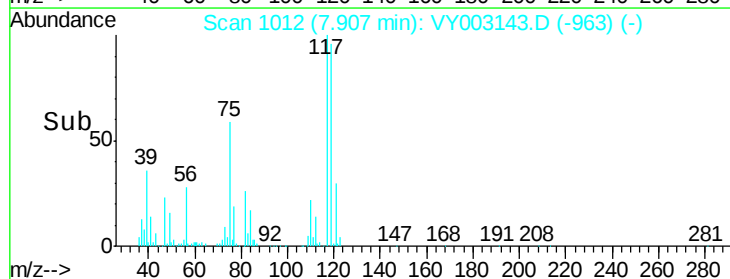
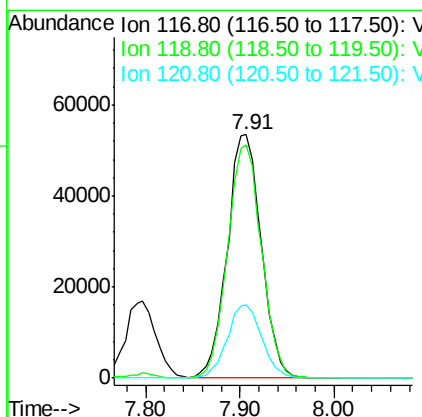
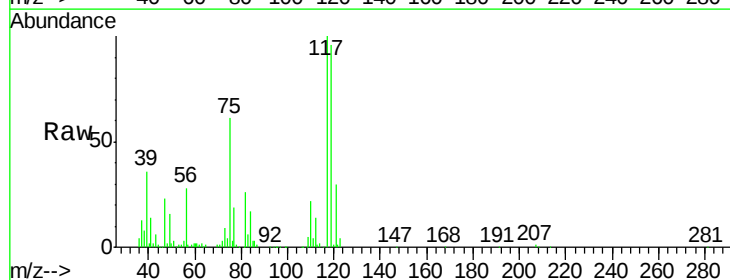
Manual Integrations
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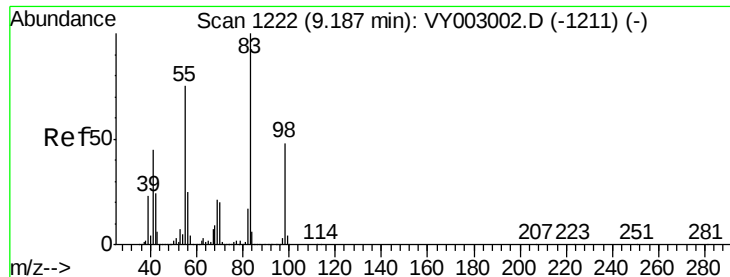
MMDadoda
7/10/2020 12:18:32 PM



#38
Carbon Tetrachloride
Concen: 21.300 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.7	113.5
121	30.3	23.9	35.9





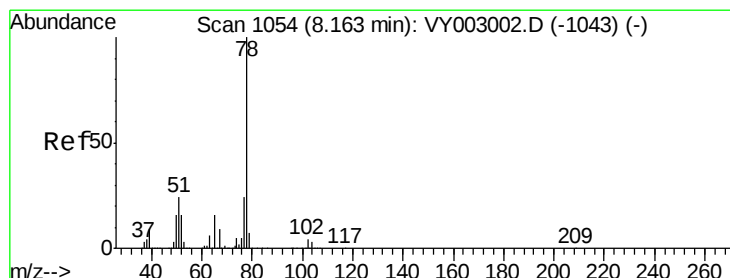
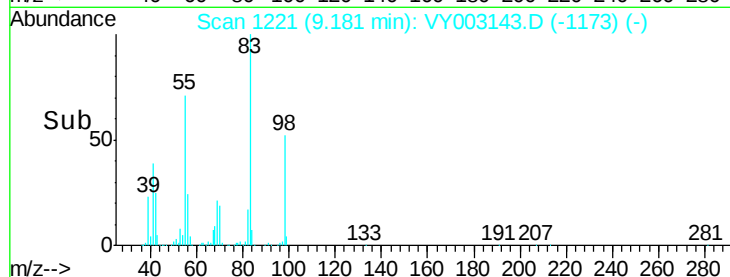
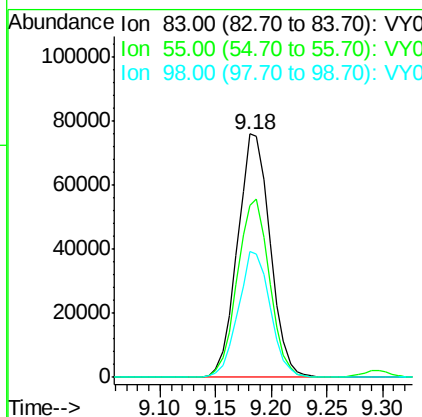
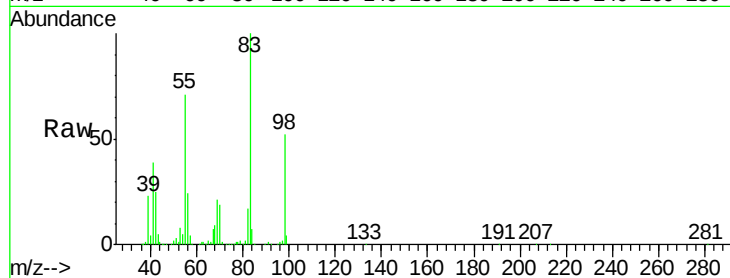
#39
Methylvlcvclohexane
Concen: 20.737 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	59.9	89.9
98	51.8	38.7	58.1

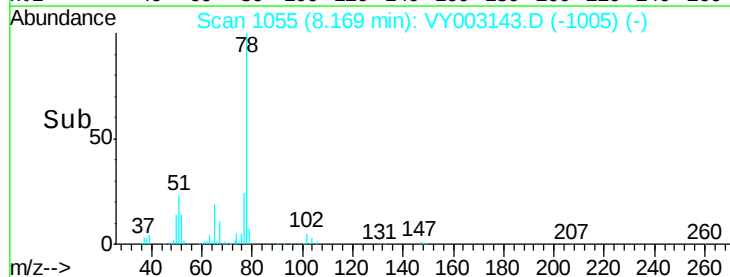
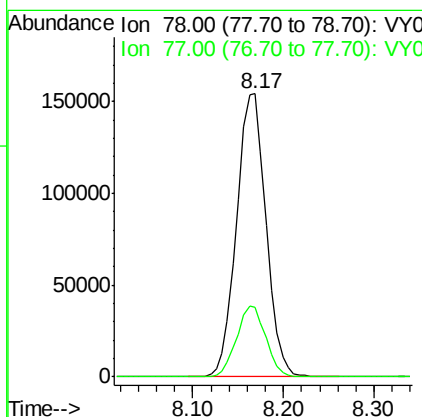
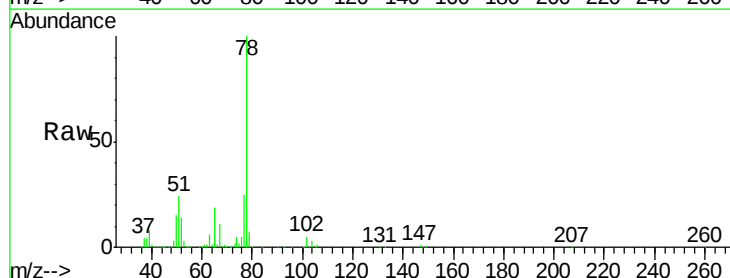
Manual Integrations
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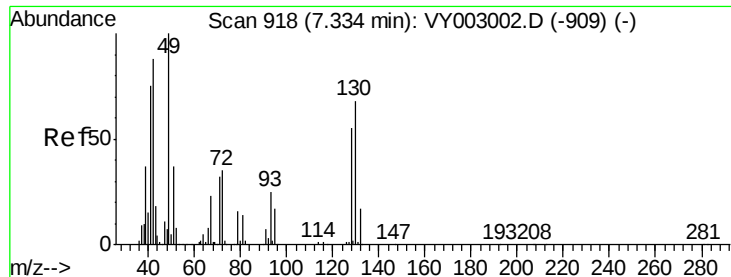
MMDadoda
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#40
Benzene
Concen: 21.019 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





#41

Methacrylonitrile

Concen: 14.454 ug/l m

RT: 7.32 min Scan# 915

Delta R.T. -0.02 min

Lab File: VY003143.D

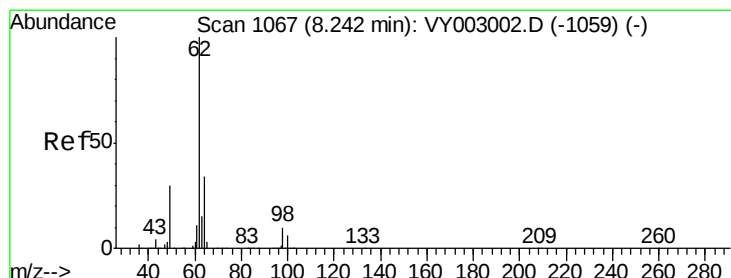
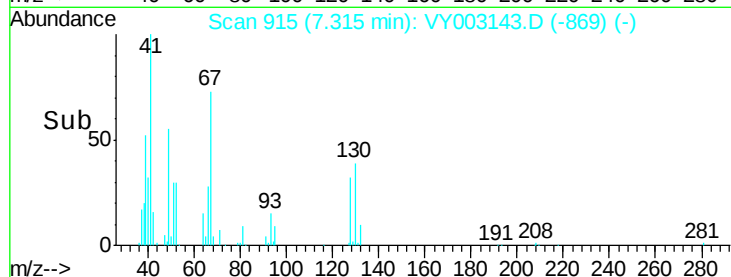
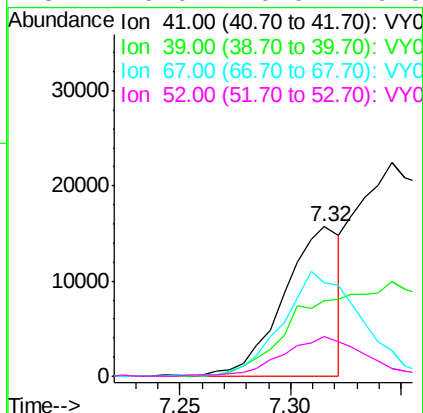
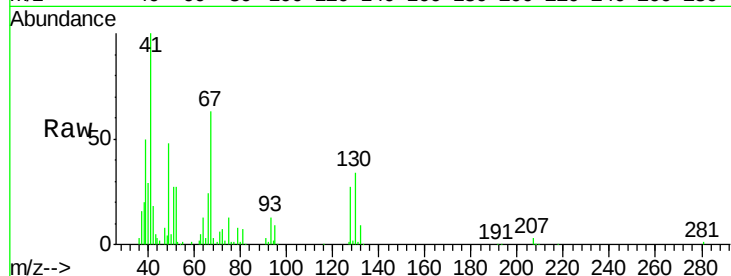
Acq: 09 Jul 2020 13:44

Tot Ion	41	Resp	27991
Ion	Ratio	Lower	Upper
41	100		
39	153.8	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Manual Integrations
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7/10/2020 12:18:32 PM



#42

1,2-Dichloroethane

Concen: 20.405 ug/l

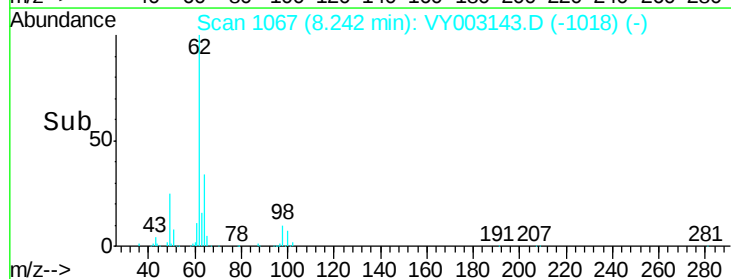
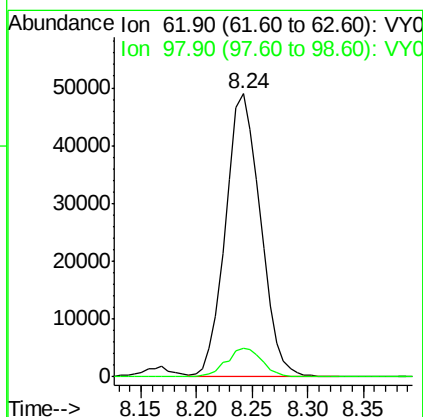
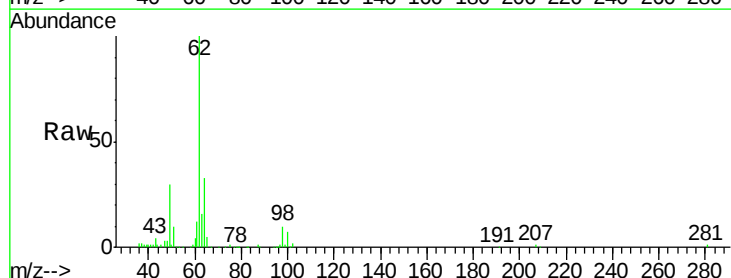
RT: 8.24 min Scan# 1067

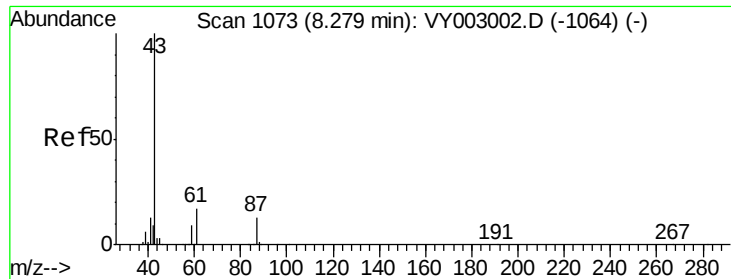
Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion	62	Resp	106557
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.2





#43

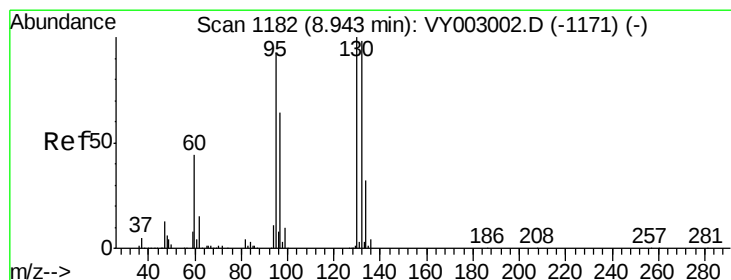
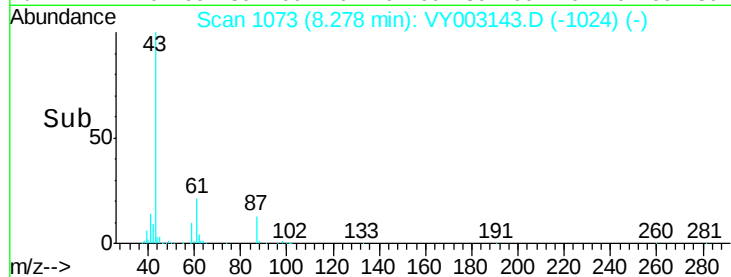
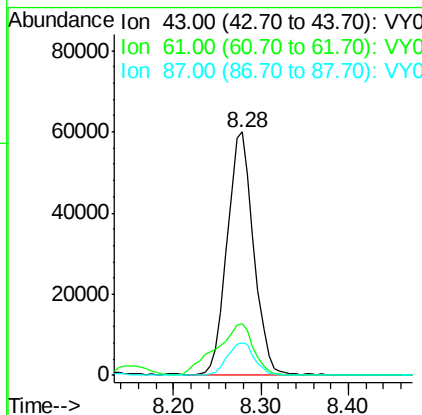
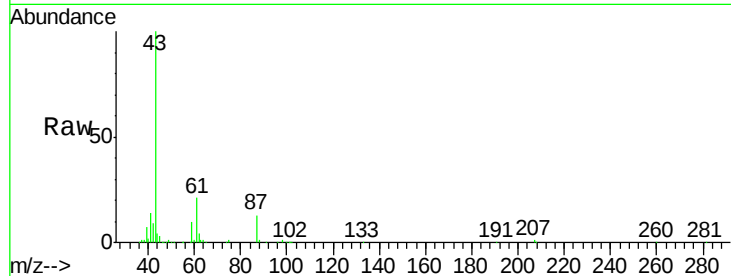
Isopropyl Acetate
 Concen: 18.321 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	21.8	32.6
87	13.8	10.1	15.1

Manual Integrations
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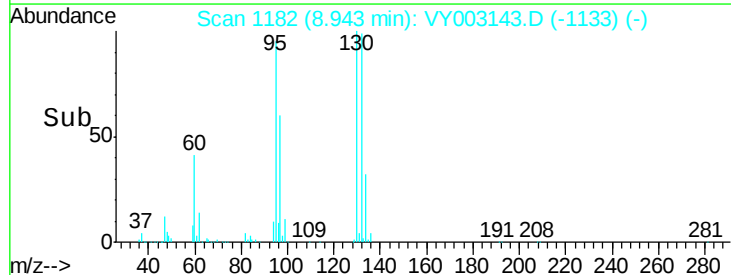
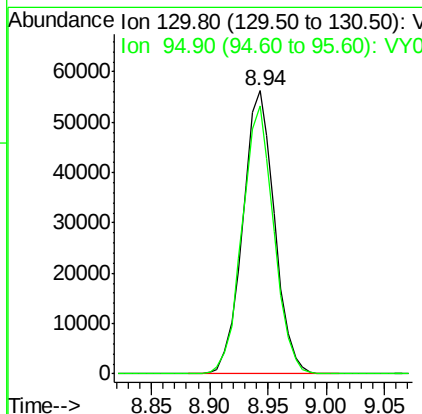
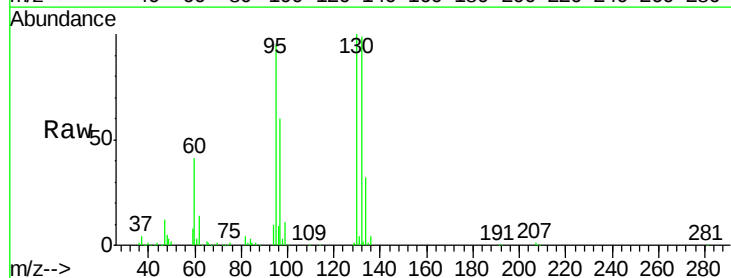
MMDadoda
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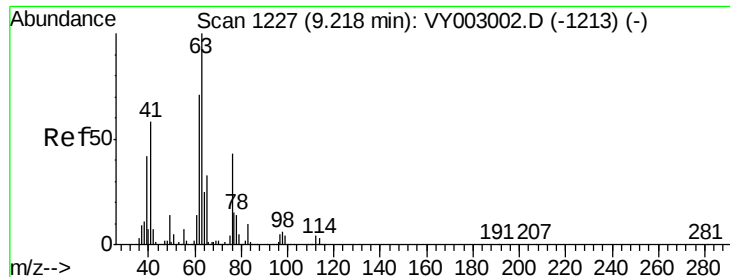


#44

Trichloroethene
 Concen: 22.211 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	186.4





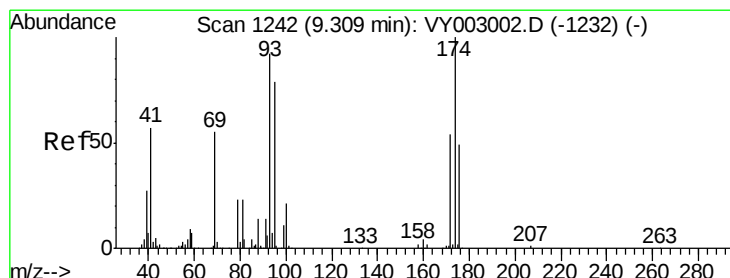
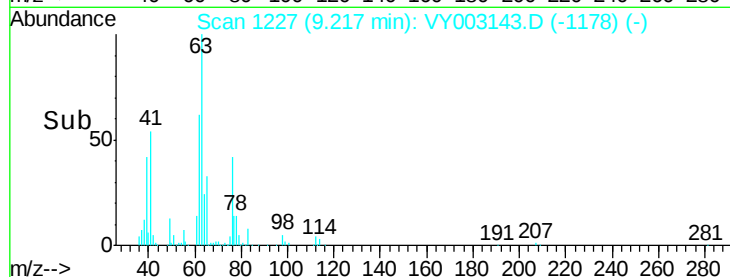
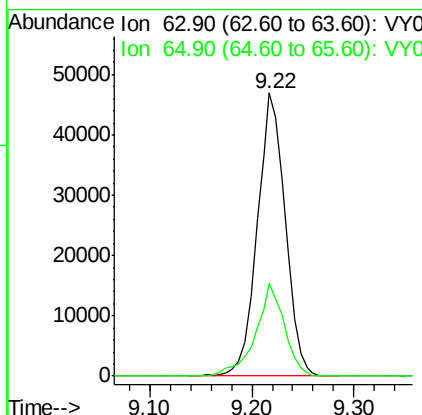
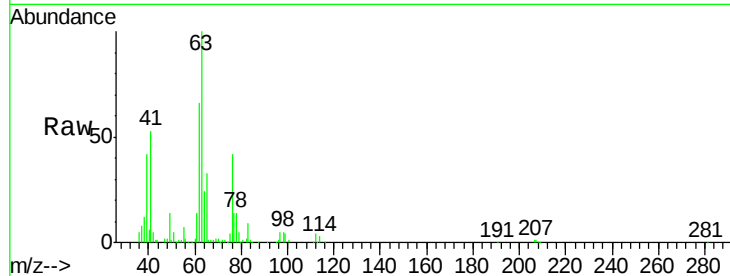
#45
 1,2-Dichloropropane
 Concen: 20.213 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	26.2	39.4

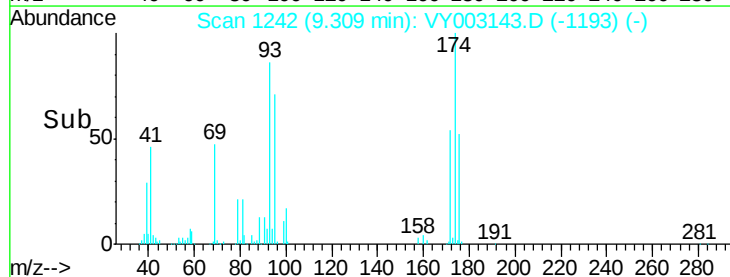
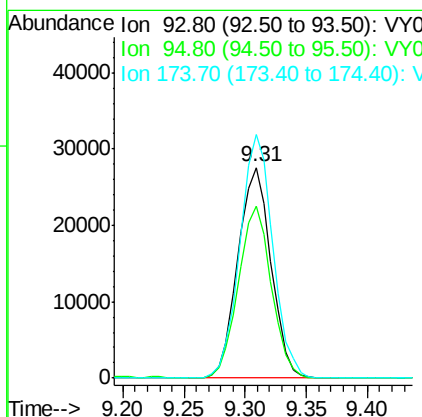
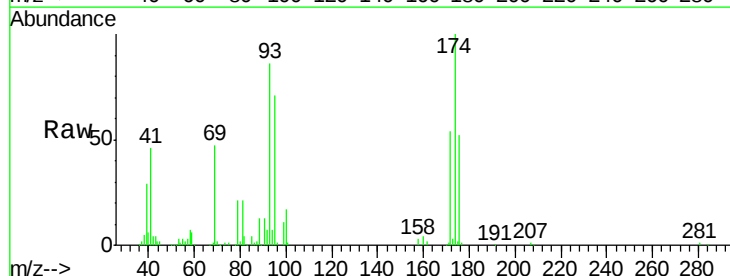
Manual Integrations
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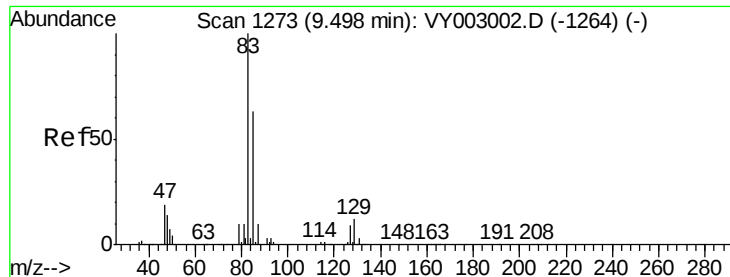
MMDadoda
 7/10/2020 12:18:32 PM



#46
 Dibromomethane
 Concen: 20.890 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.6	101.4
174	115.0	88.3	132.5





#47

Bromodichloromethane

Concen: 20.719 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

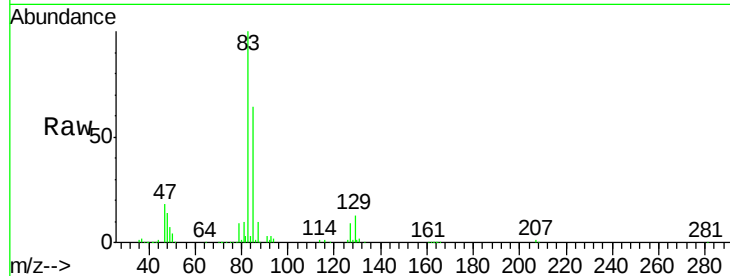
ClientSampleId :

VY0709SBS01

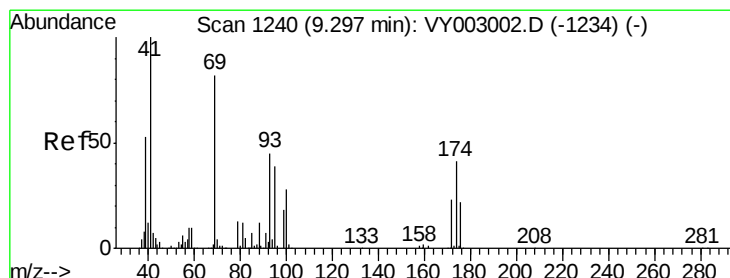
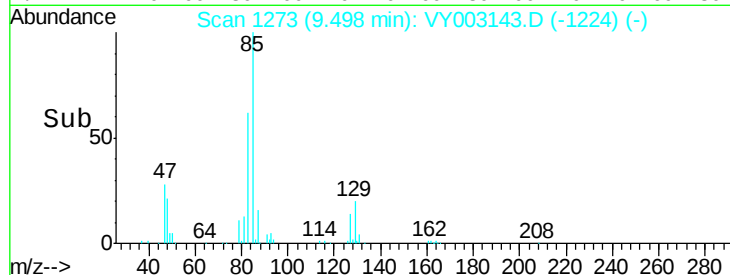
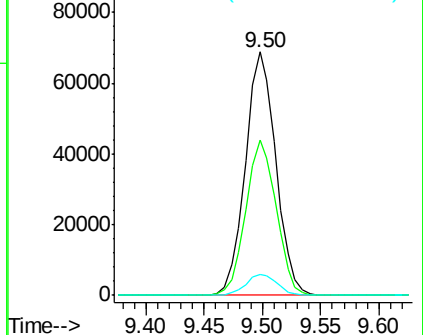
Tot Ion:	83	Resp:	125837
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	8.6	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.115 ug/l

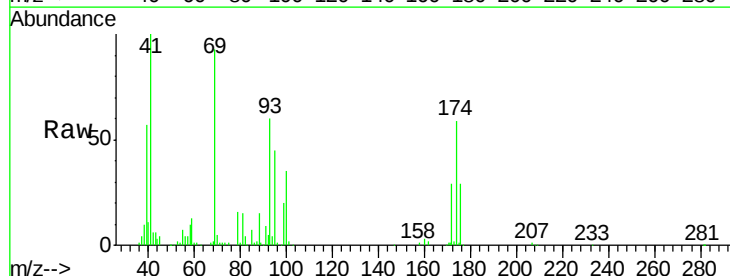
RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

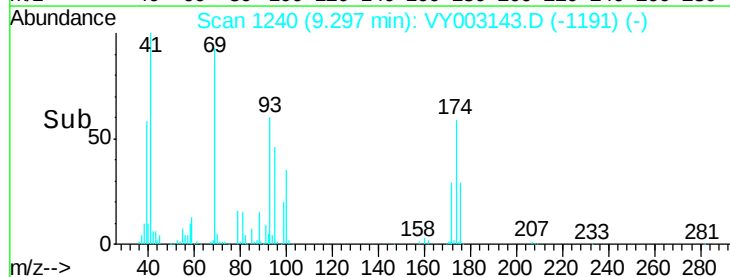
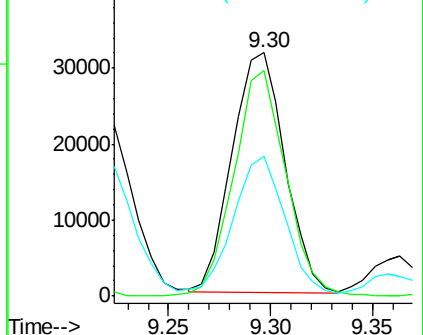
Lab File: VY003143.D

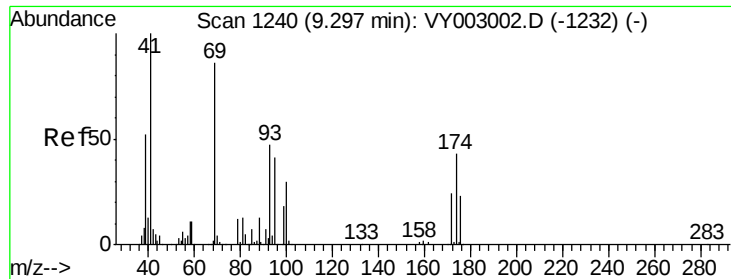
Acq: 09 Jul 2020 13:44

Tgt Ion:	41	Resp:	56827
Ion	Ratio	Lower	Upper
41	100		
69	92.6	67.7	101.5
39	58.5	45.0	67.4



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





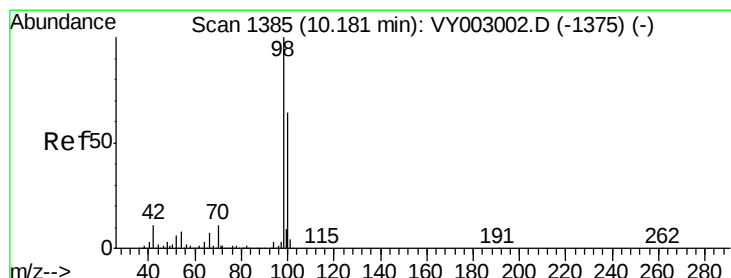
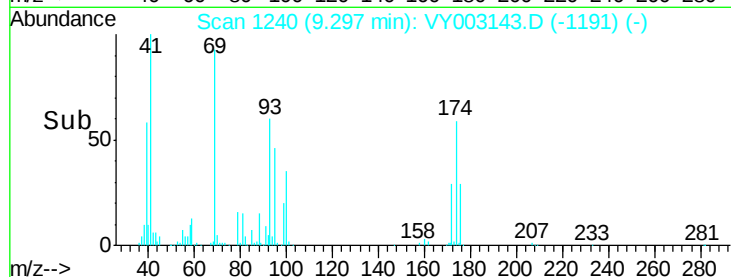
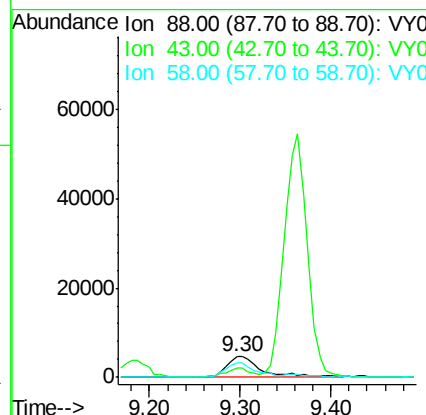
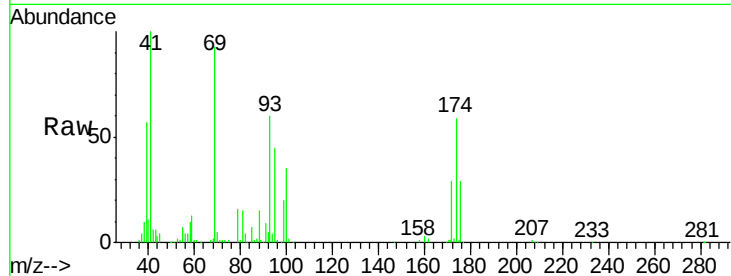
#49
 1,4-Dioxane
 Concen: 423.674 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	88	Resp	12828
Ion Ratio	Lower	Upper	
88	100		
43	29.7	28.6	42.8
58	58.7	56.7	85.1

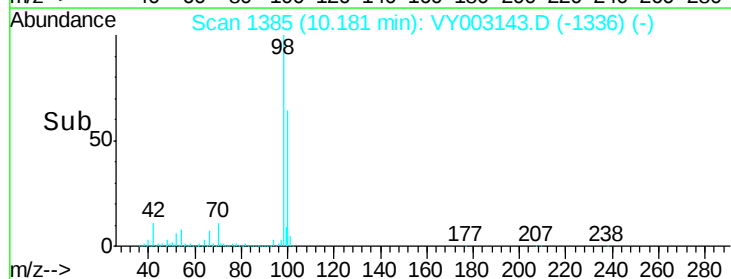
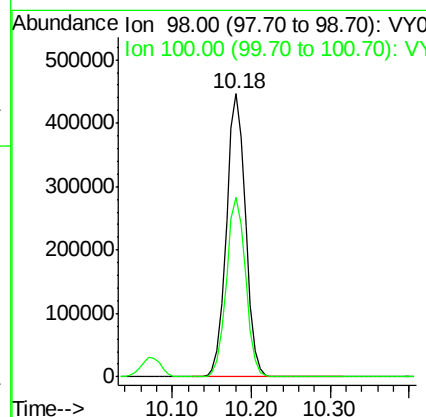
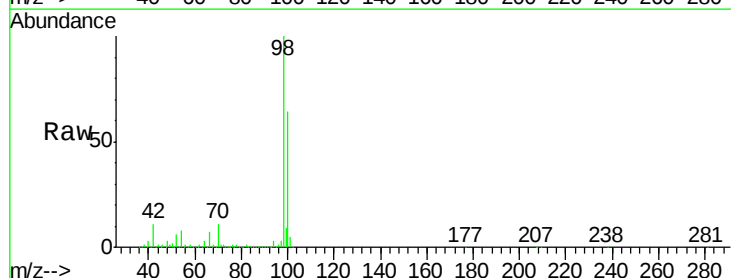
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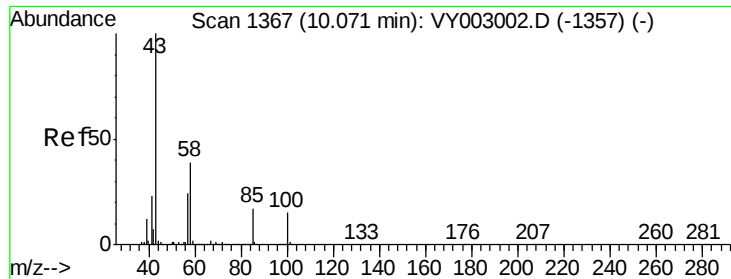
MMDadoda
 7/10/2020 12:18:32 PM



#50
 Toluene-d8
 Concen: 51.460 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	98	Resp	748595
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.1	76.7





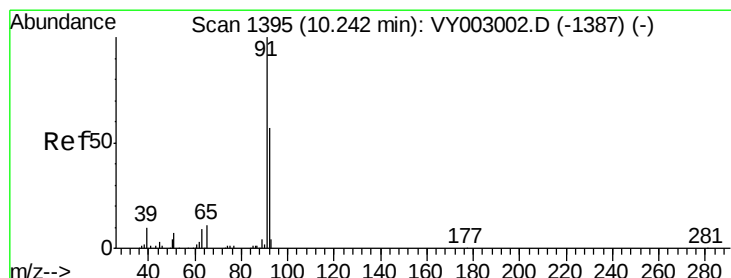
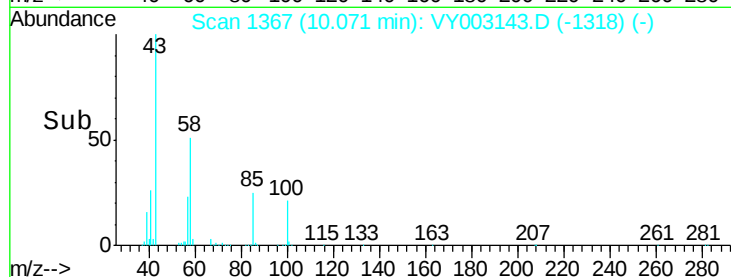
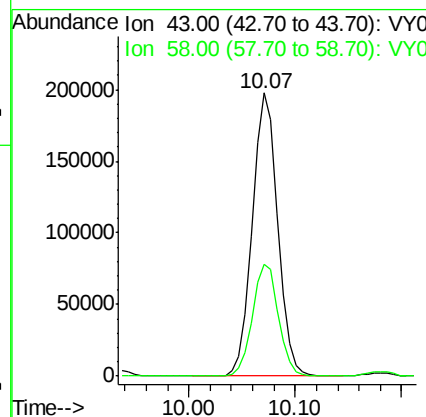
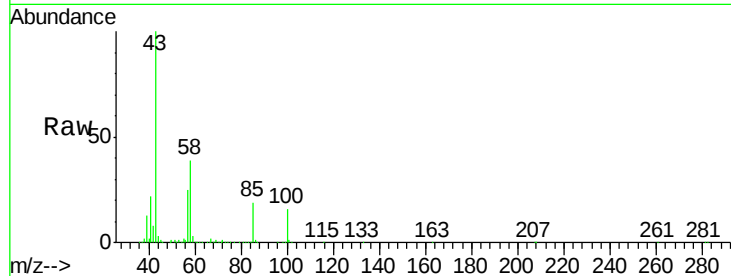
#51
4-Methyl-2-Pentanone
Concen: 93.119 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion: 43 Resp: 331694
Ion Ratio Lower Upper
43 100
58 40.5 31.1 46.7

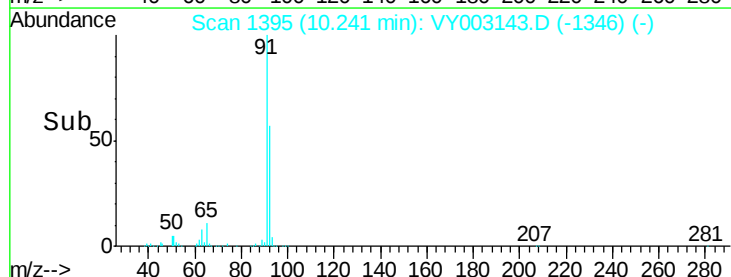
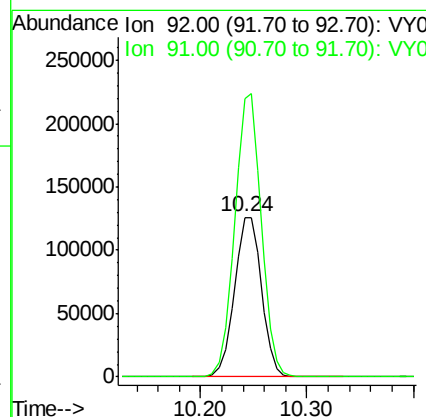
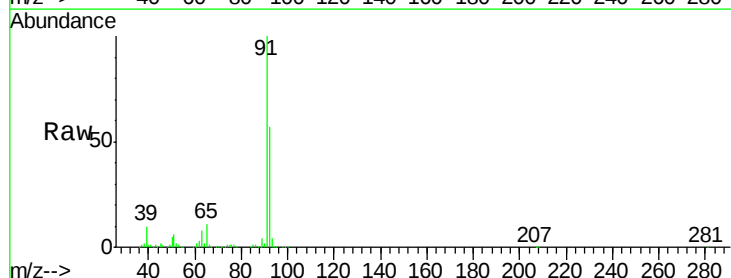
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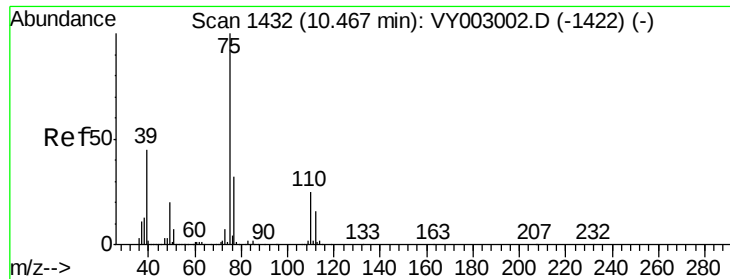
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#52
Toluene
Concen: 21.614 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion: 92 Resp: 224600
Ion Ratio Lower Upper
92 100
91 173.9 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.081 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 75 Resp: 127868

Ion Ratio Lower Upper

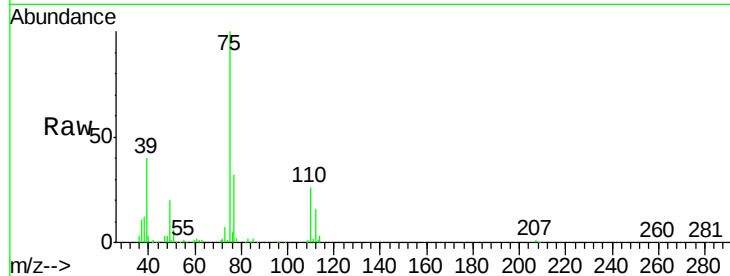
75 100

77 31.6 25.9 38.9

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

80000

60000

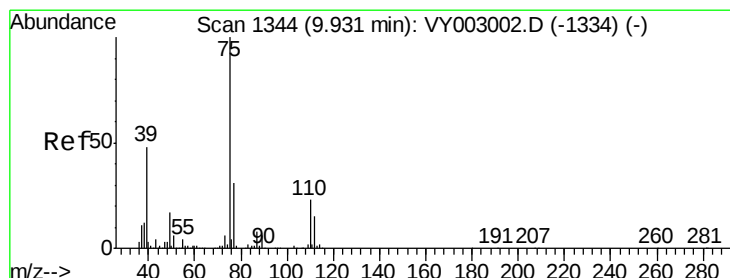
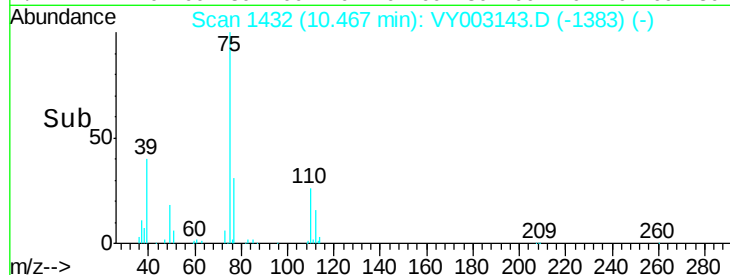
40000

20000

0

10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.259 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

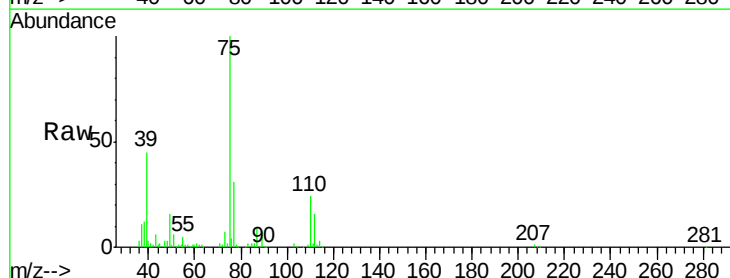
Tgt Ion: 75 Resp: 147535

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

39 45.4 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

100000

80000

60000

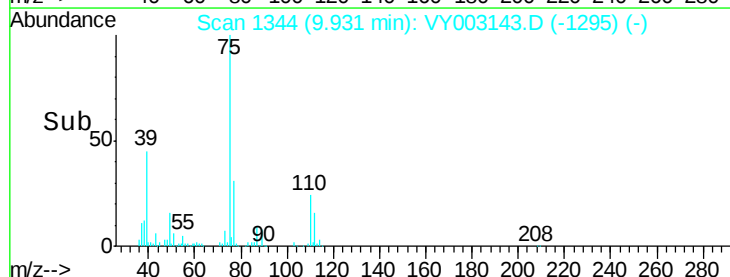
40000

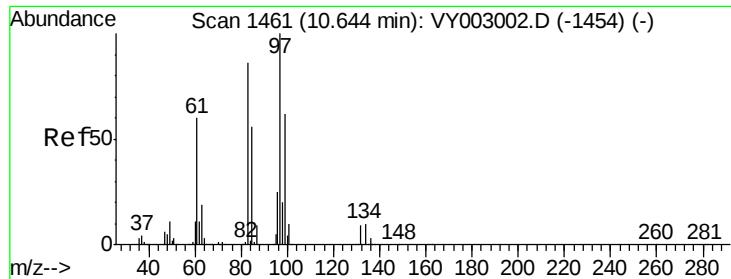
20000

0

9.85 9.90 9.95 10.00

Time-->





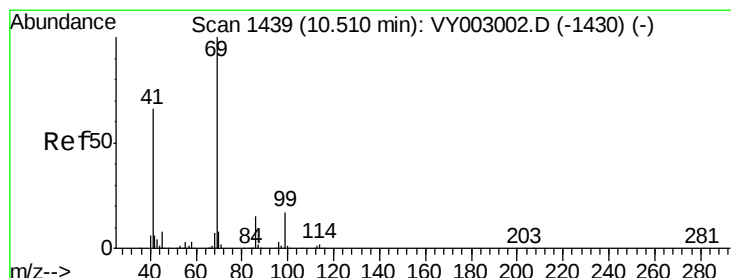
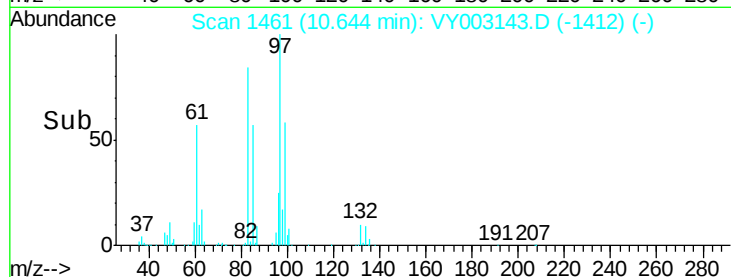
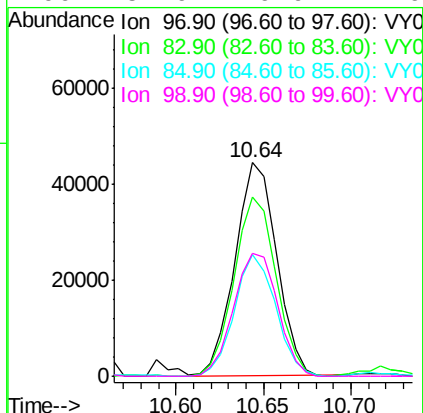
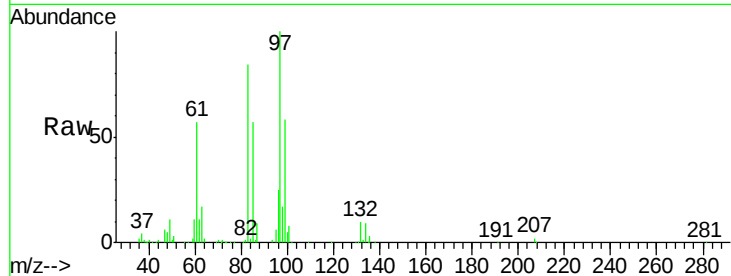
#55
 1,1,2-Trichloroethane
 Concen: 21.441 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion:	97	Resp:	73900
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.0	103.6
85	56.9	44.8	67.2
99	57.9	49.9	74.9

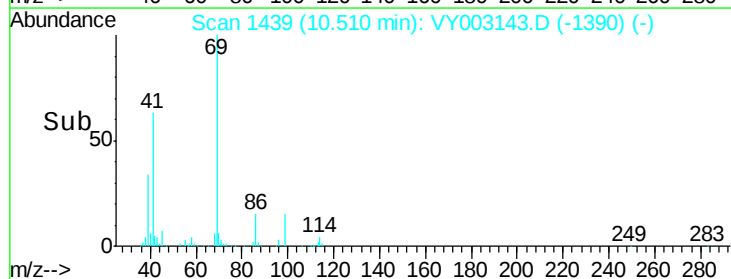
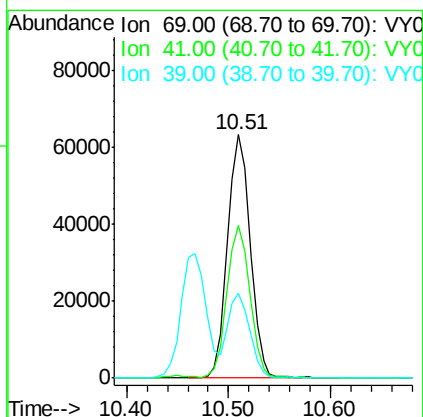
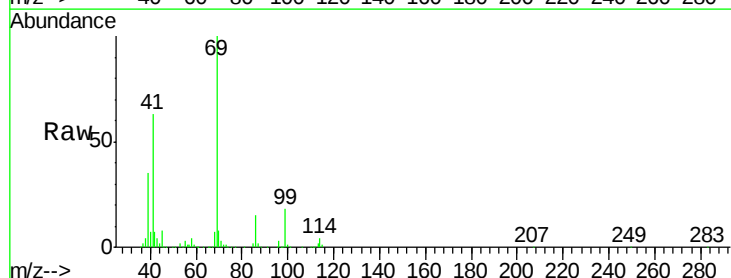
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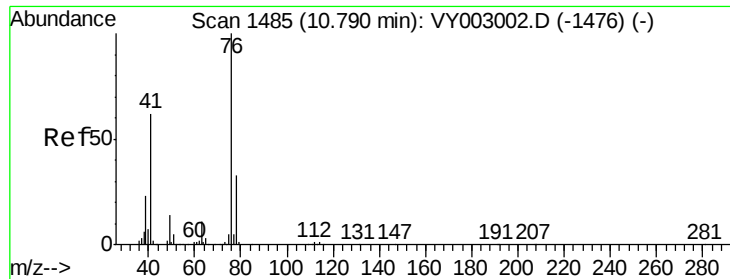
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#56
 Ethyl methacrylate
 Concen: 19.643 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion:	69	Resp:	98005
Ion	Ratio	Lower	Upper
69	100		
41	62.2	53.7	80.5
39	32.5	28.3	42.5





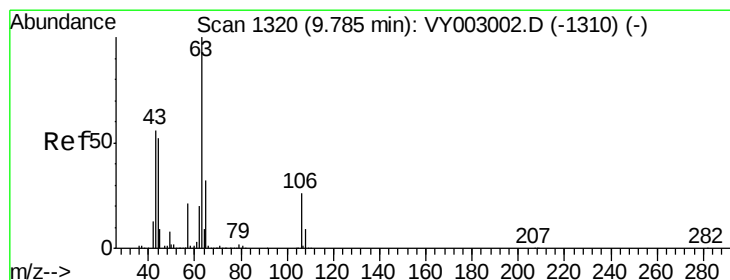
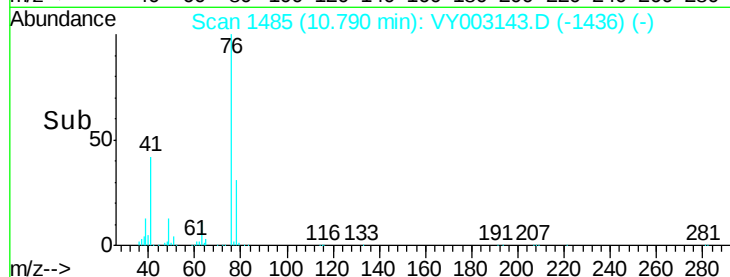
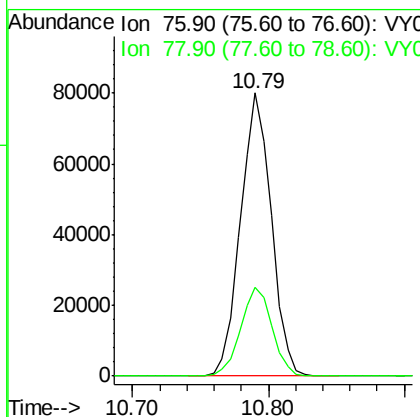
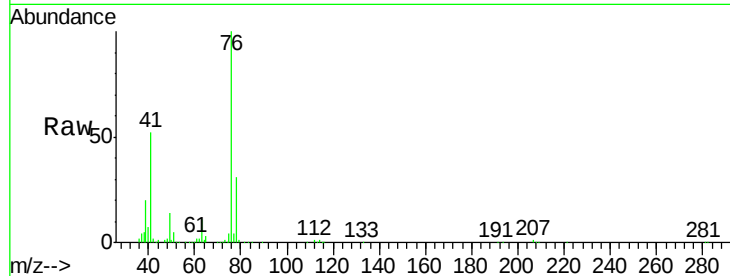
#57
 1,3-Dichloropropane
 Concen: 20.881 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

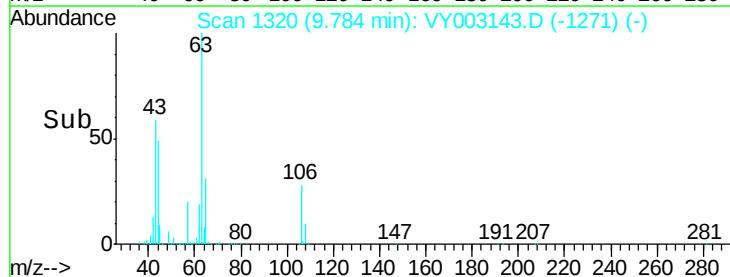
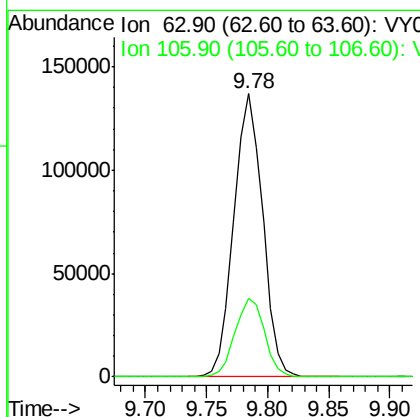
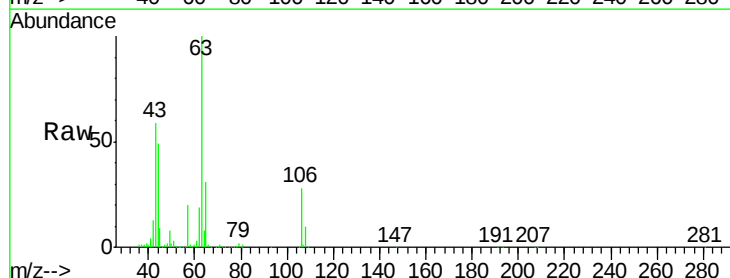
Manual Integrations
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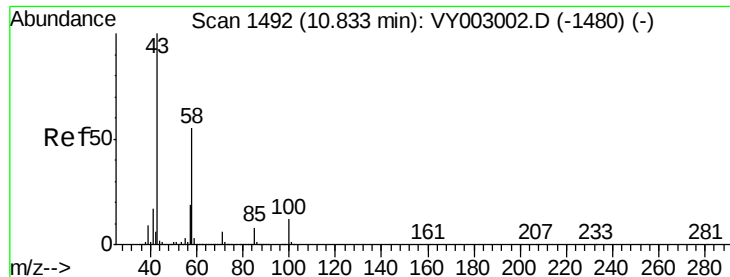
MMDadoda
 7/10/2020 12:18:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.494 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.5	32.3





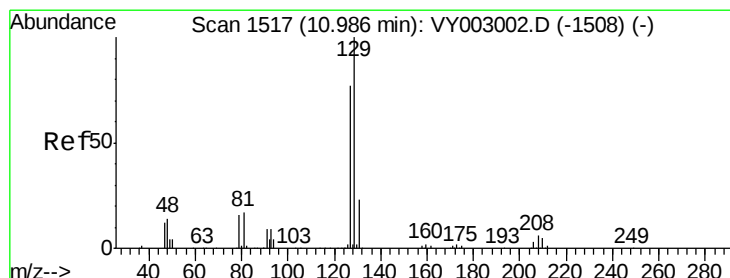
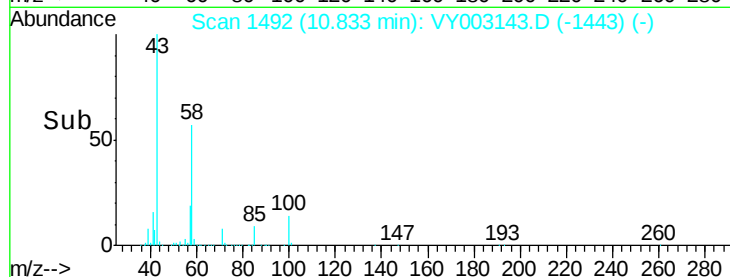
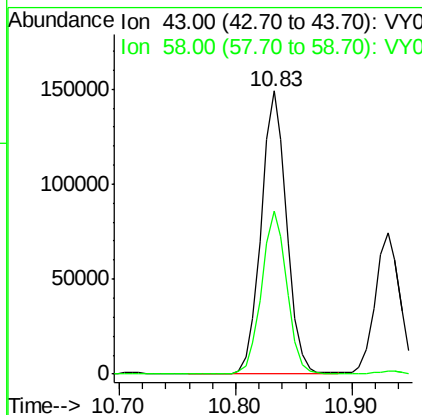
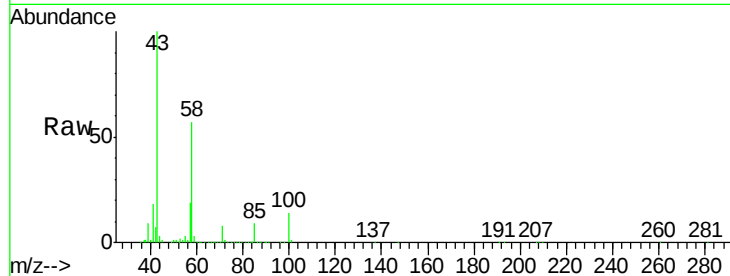
#59
2-Hexanone
Concen: 91.289 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion: 43 Resp: 227288
Ion Ratio Lower Upper
43 100
58 57.1 27.5 82.4

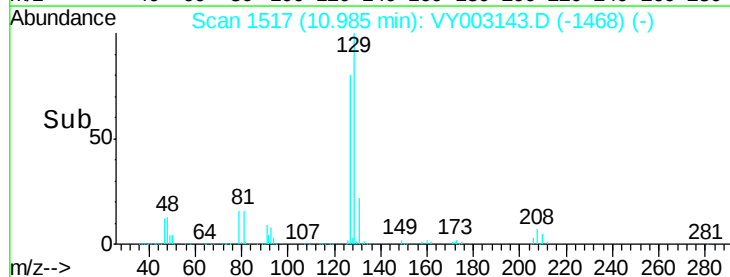
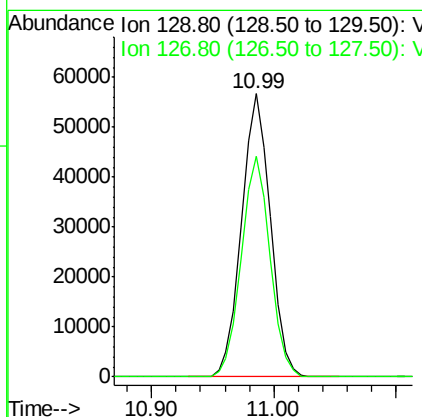
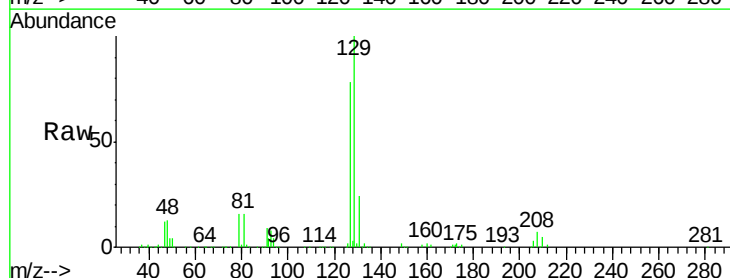
Manual Integrations
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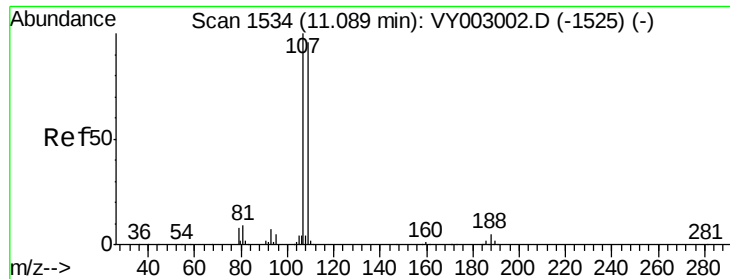
MMDadoda
7/10/2020 12:18:32 PM



#60
Dibromochloromethane
Concen: 21.031 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion: 129 Resp: 92766
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





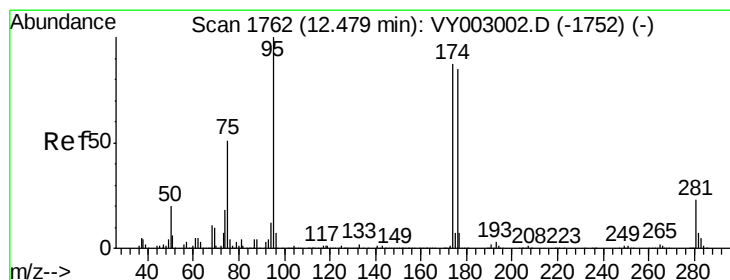
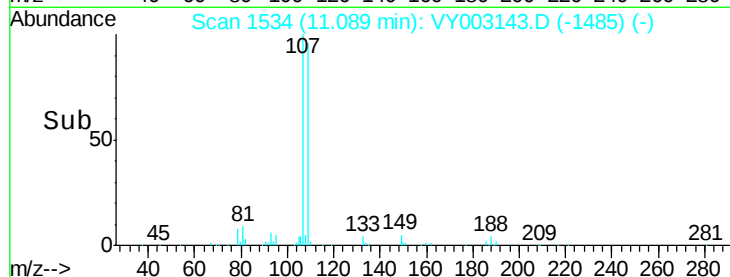
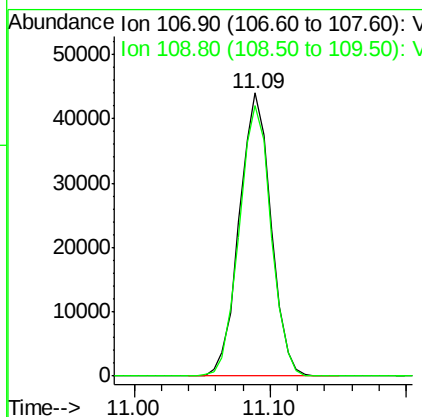
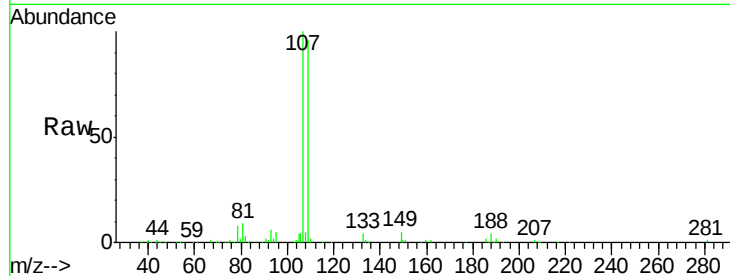
#61
 1,2-Dibromoethane
 Concen: 21.037 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion: 107 Resp: 71484
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.8 113.8

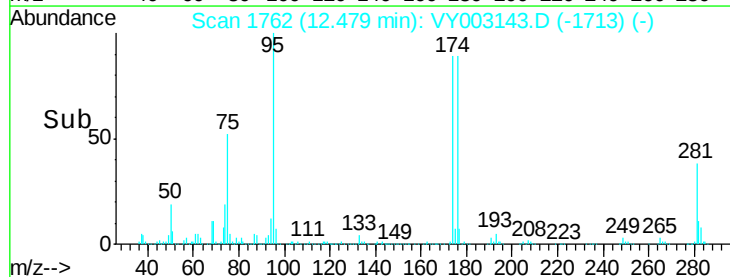
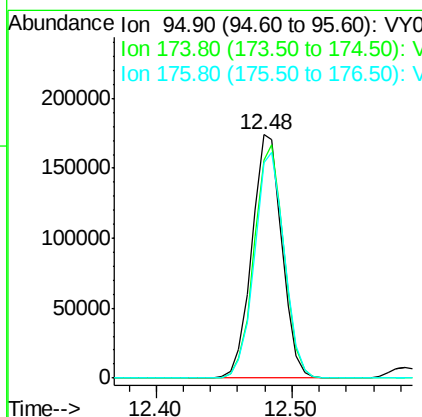
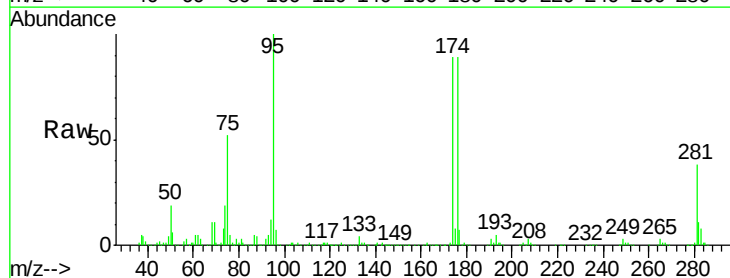
Manual Integrations
 APPROVED

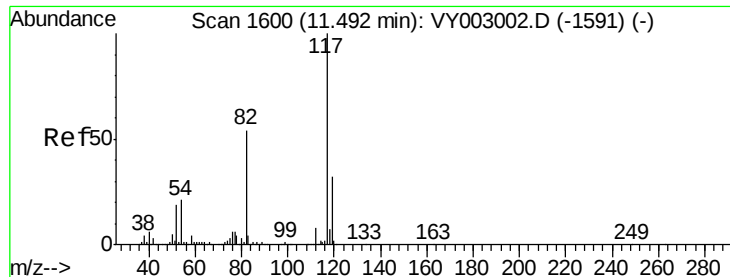
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 52.701 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion: 95 Resp: 269862
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 184.8
 176 92.3 0.0 183.0





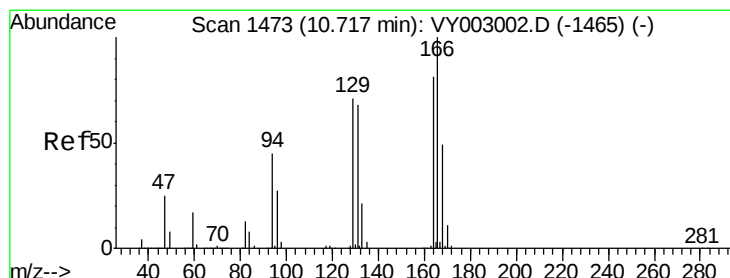
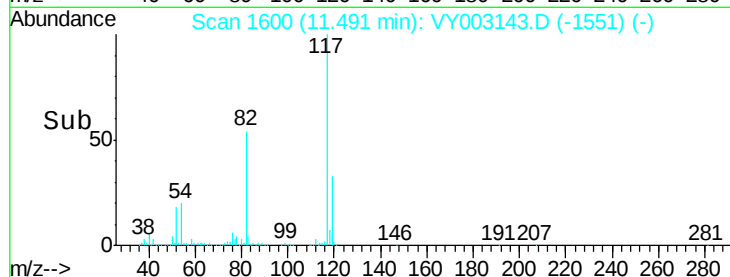
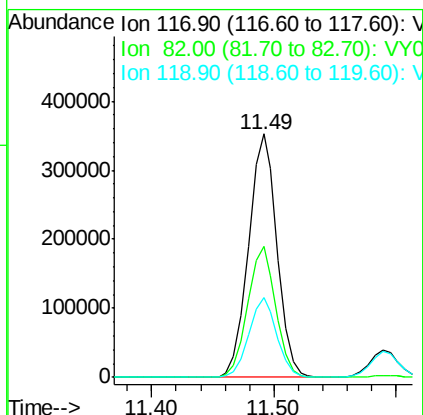
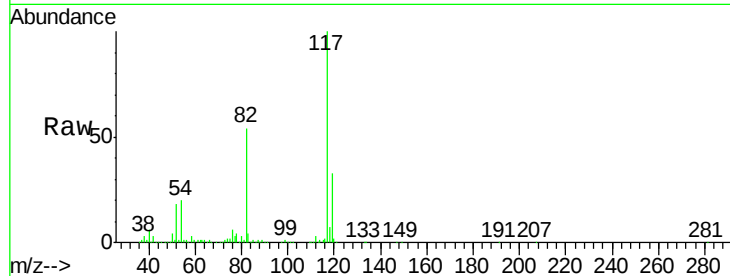
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	569195		
82	53.7		43.0	64.6
119	32.6		25.8	38.8

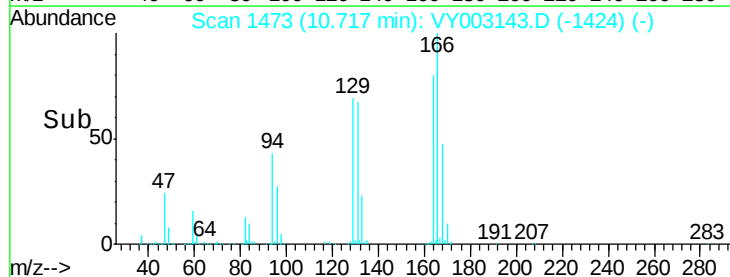
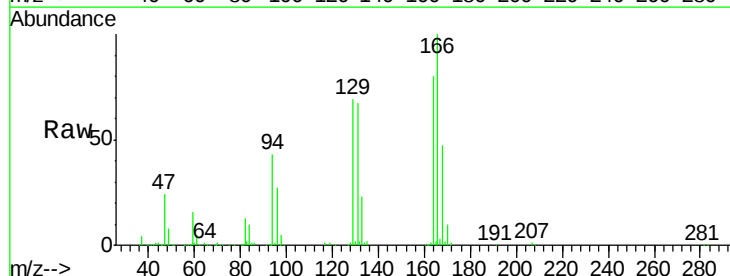
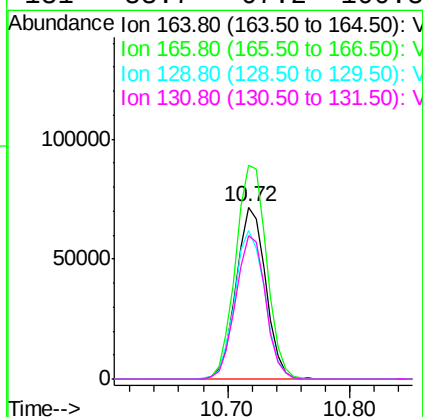
Manual Integrations
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#64
Tetrachloroethene
Concen: 24.767 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119311		
166	124.4		98.5	147.7
129	86.3		69.7	104.5
131	83.7		67.2	100.8





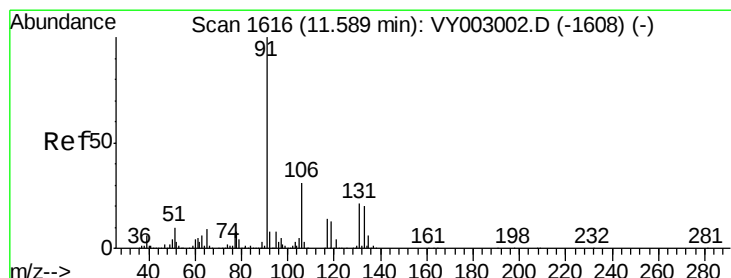
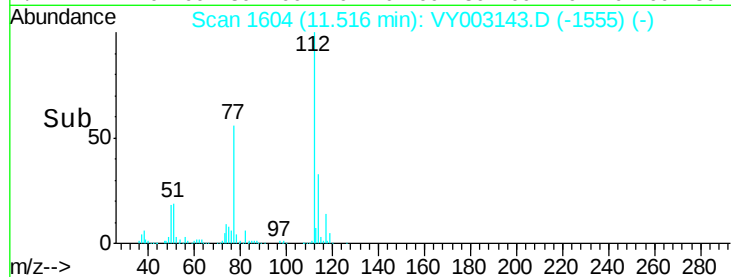
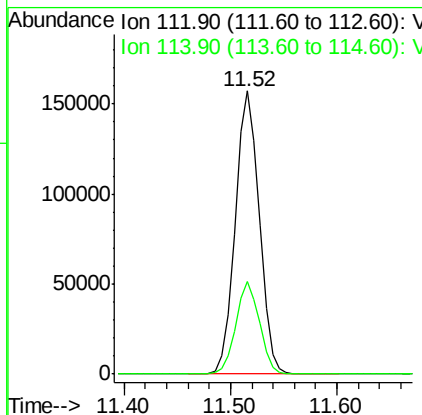
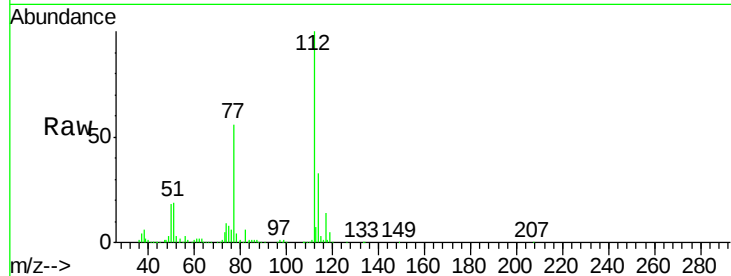
#65
Chlorobenzene
Concen: 22.155 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.7	38.5

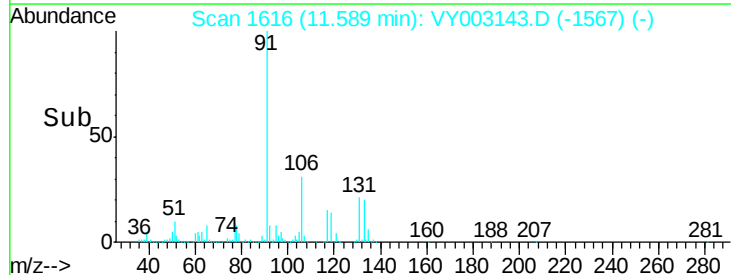
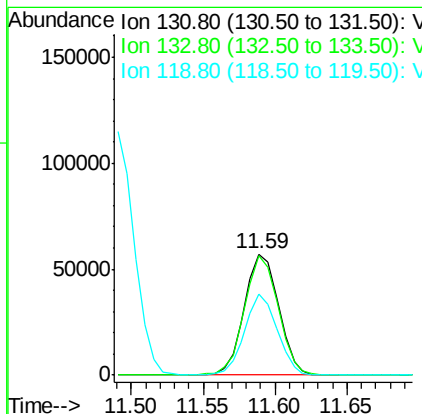
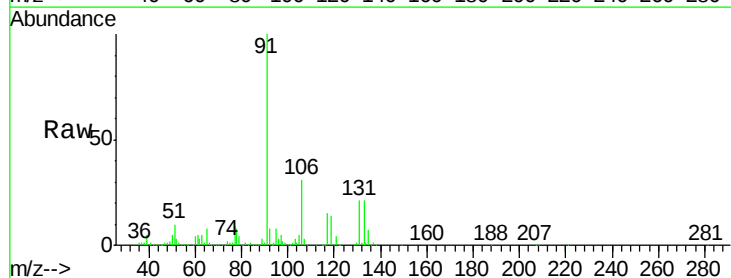
Manual Integrations
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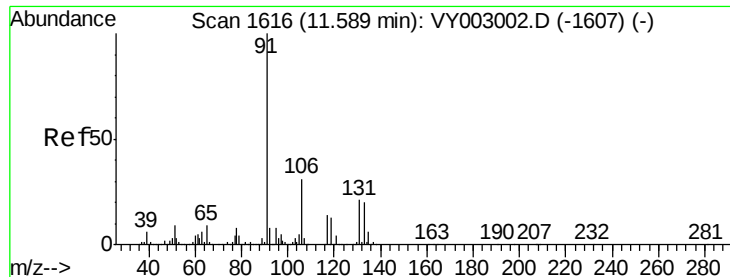
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.551 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.9	143.8
119	63.7	31.8	95.3





#67

Ethyl Benzene

Concen: 21.721 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 91 Resp: 445982

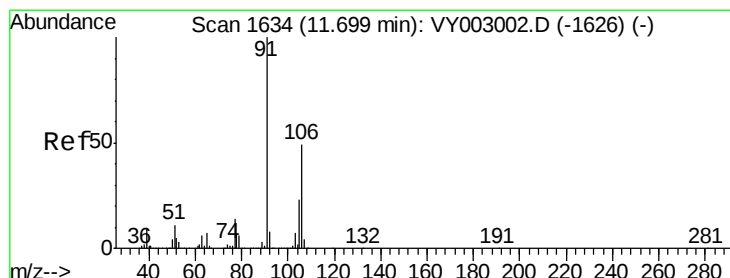
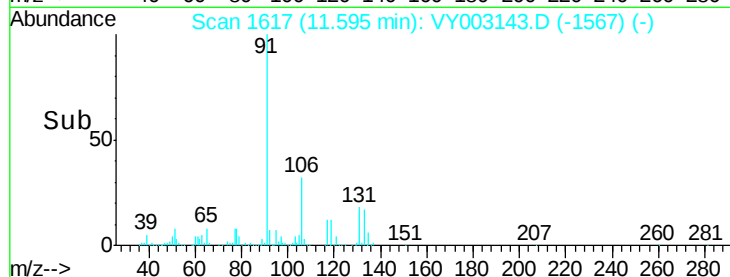
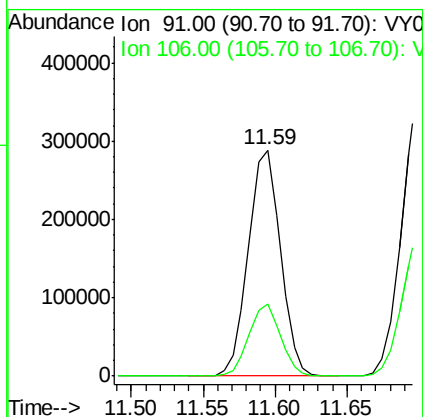
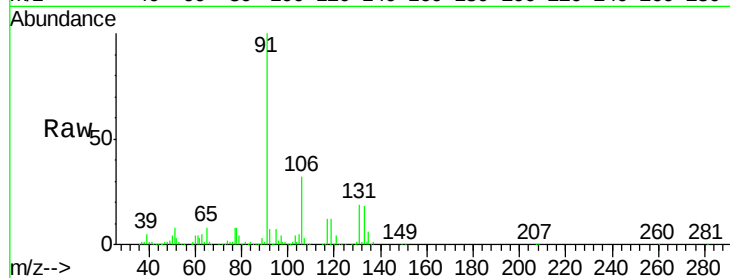
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 44.406 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003143.D

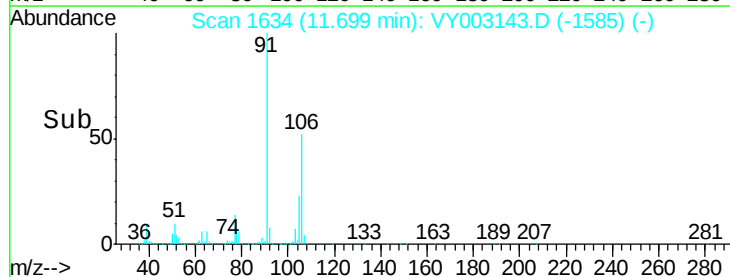
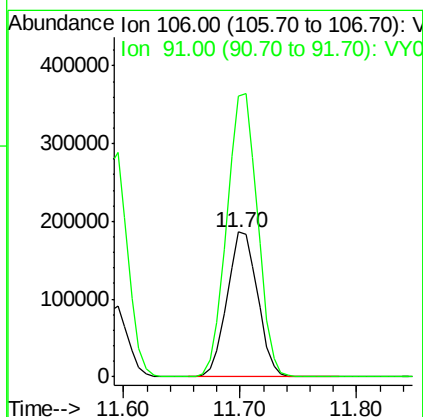
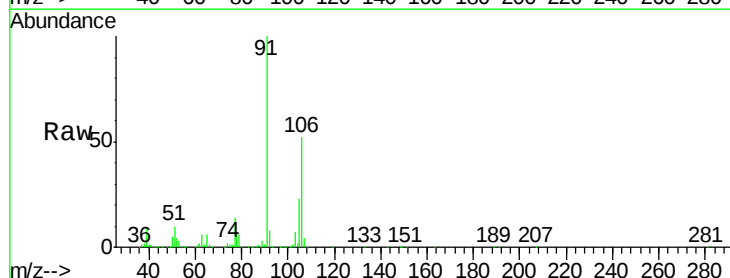
Acq: 09 Jul 2020 13:44

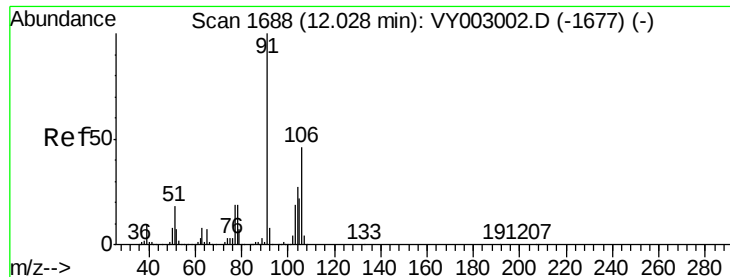
Tgt Ion: 106 Resp: 339346

Ion Ratio Lower Upper

106 100

91 197.5 161.9 242.9





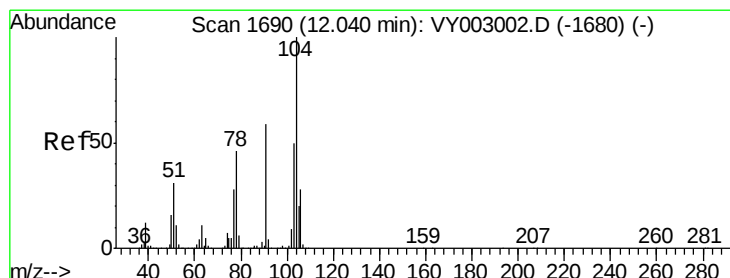
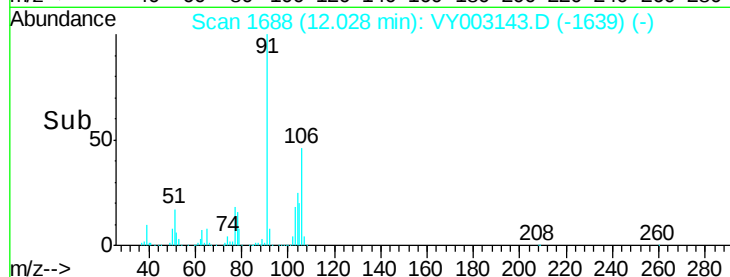
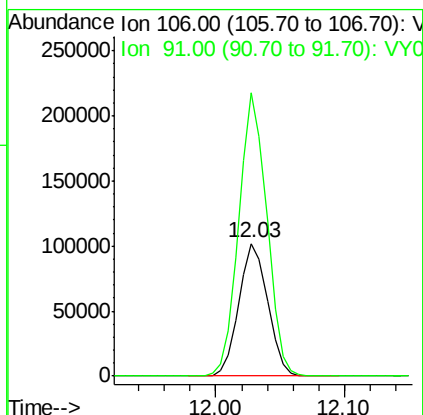
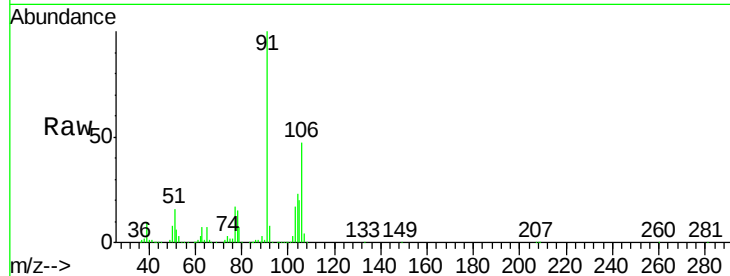
#69
o-Xylene
Concen: 21.917 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion:106 Resp: 157829
Ion Ratio Lower Upper
106 100
91 207.9 107.9 323.8

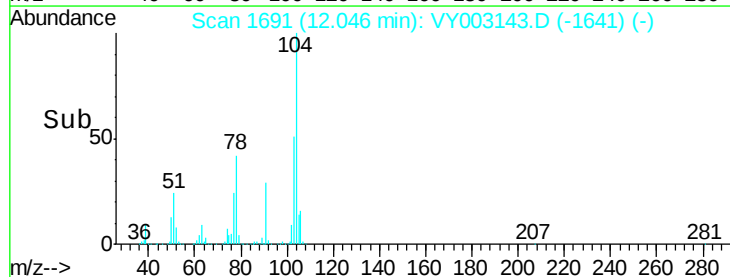
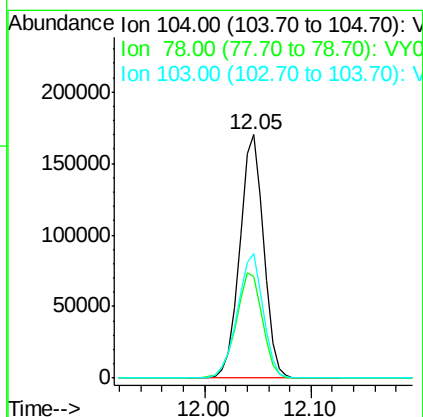
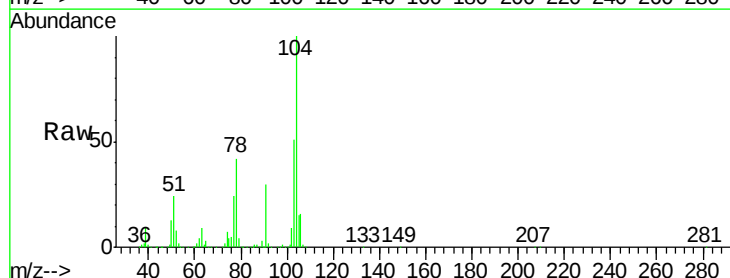
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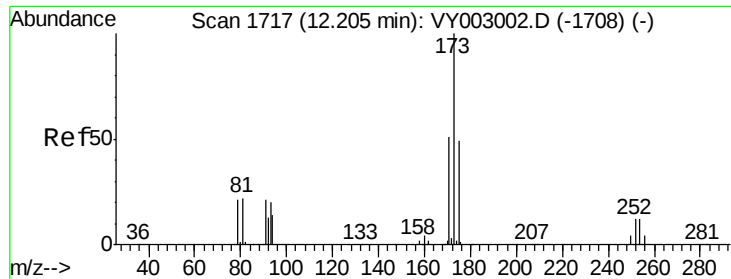
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#70
Styrene
Concen: 21.758 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion:104 Resp: 267671
Ion Ratio Lower Upper
104 100
78 48.0 40.4 60.6
103 55.2 44.1 66.1





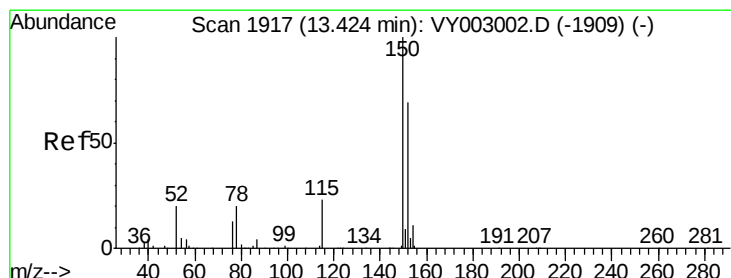
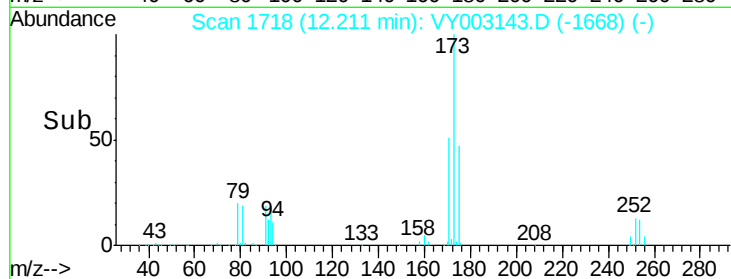
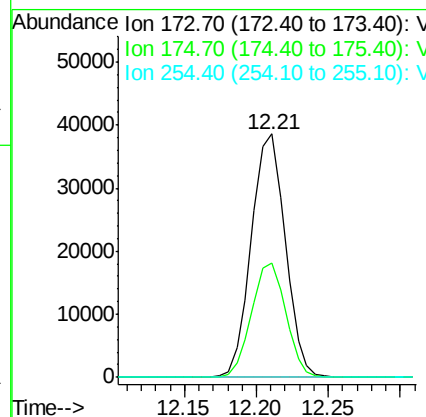
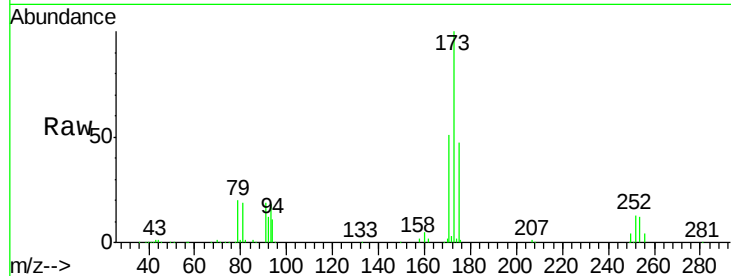
#71
Bromoform
Concen: 21.465 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.2	0.2

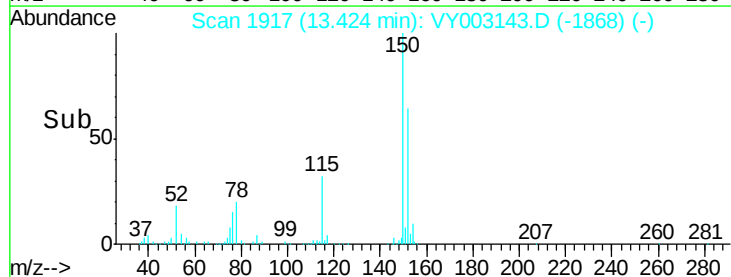
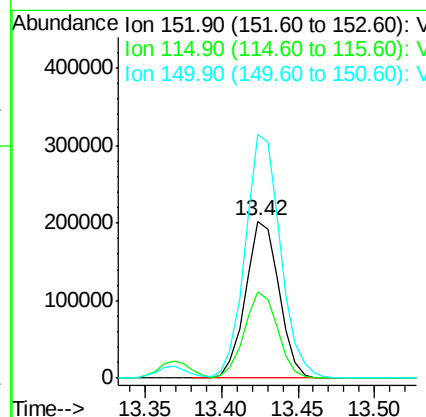
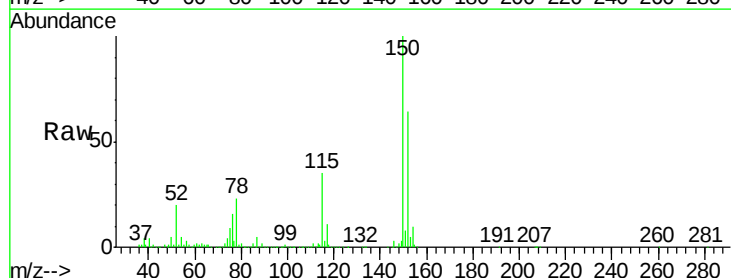
Manual Integrations
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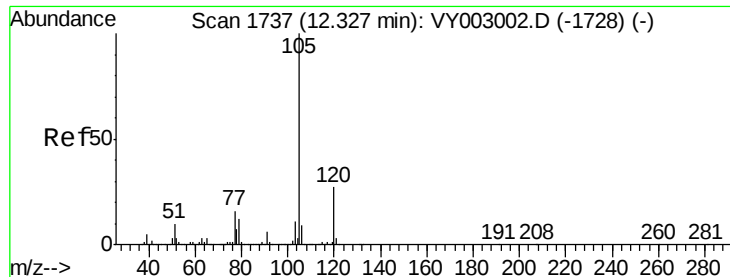
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.9
150	162.9	0.0	343.4





#73

Isopropylbenzene

Concen: 21.744 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 105 Resp: 437940

Ion Ratio Lower Upper

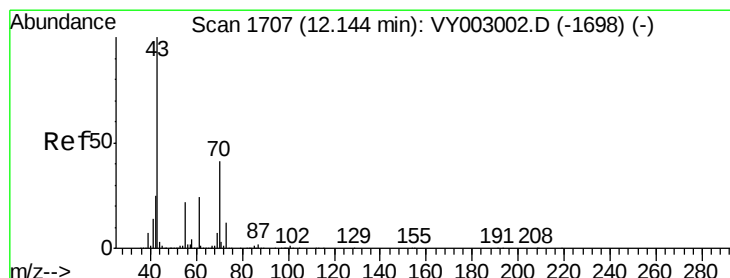
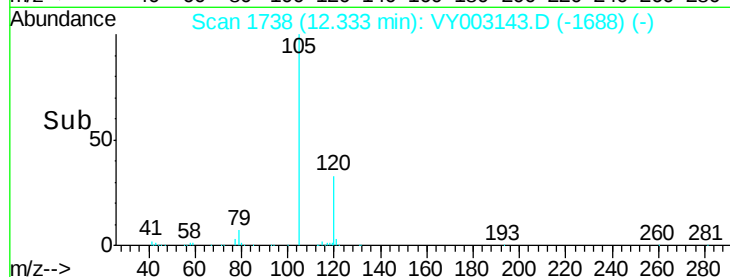
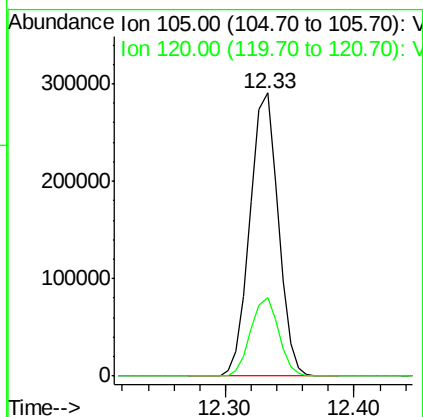
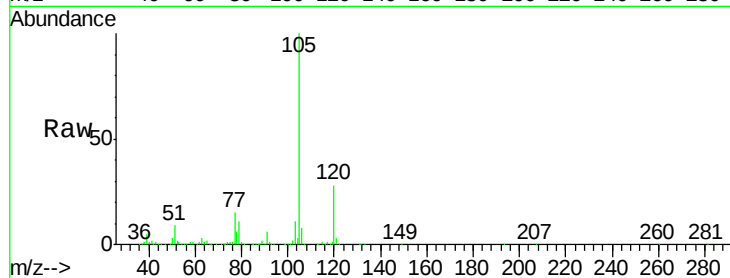
105 100

120 27.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 18.143 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion: 43 Resp: 118959

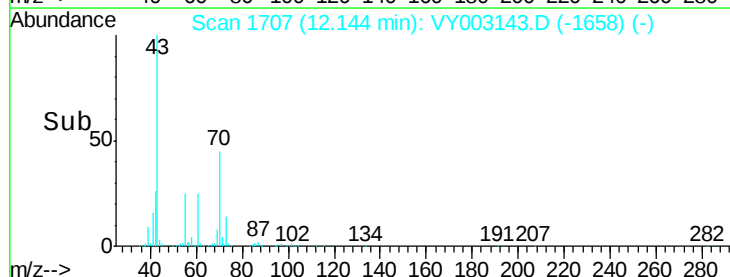
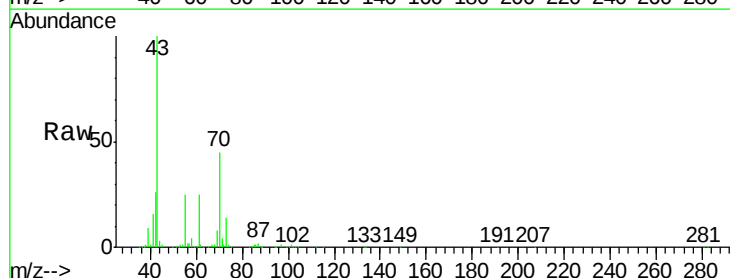
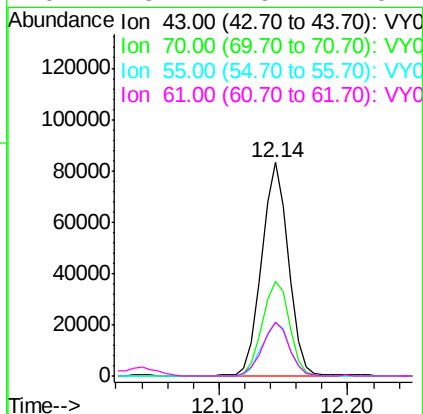
Ion Ratio Lower Upper

43 100

70 45.4 33.0 49.4

55 26.0 18.2 27.2

61 25.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.702 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

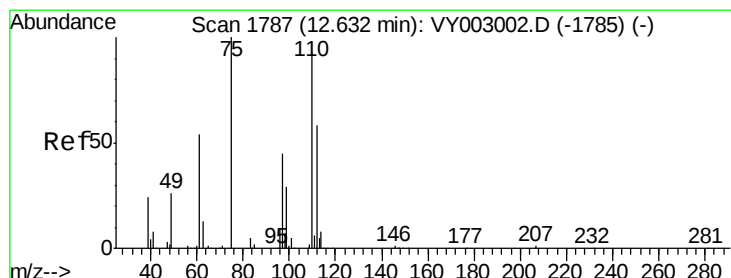
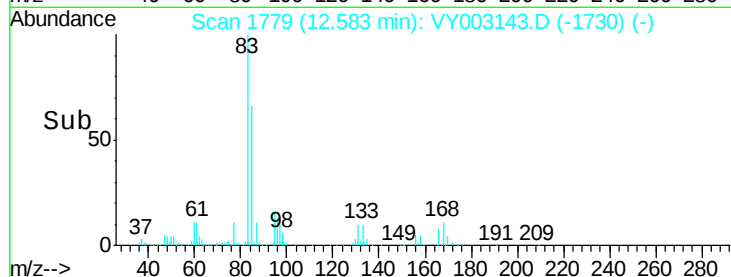
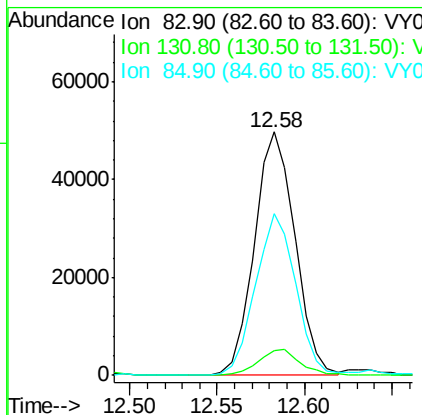
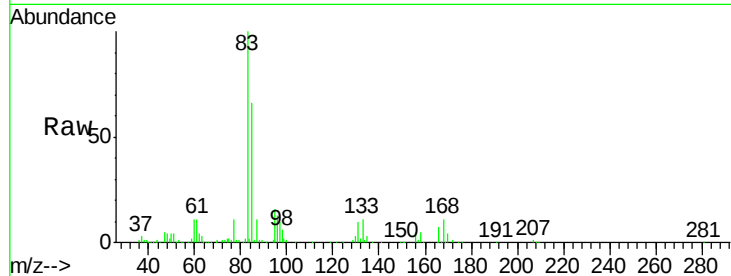
ClientSampleId :

VY0709SBS01

Tot Ion:	83	Resp:	80076
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	65.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.378 ug/l m

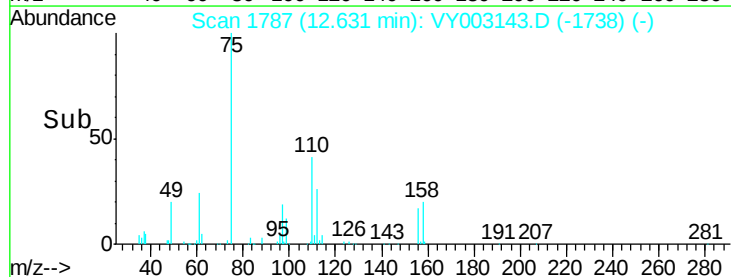
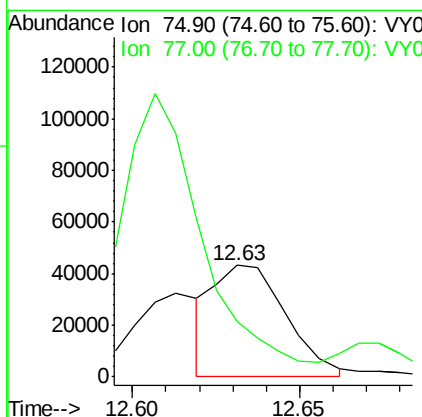
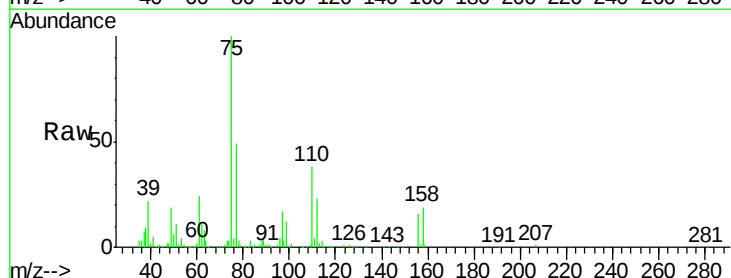
RT: 12.63 min Scan# 1787

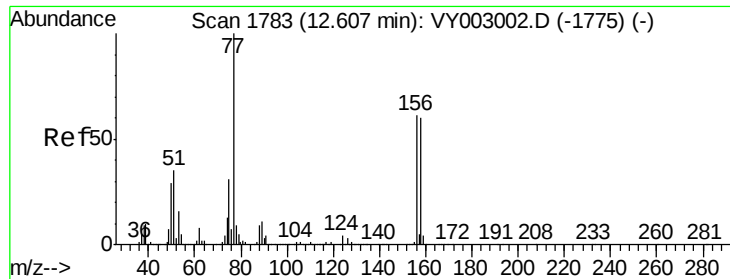
Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion:	75	Resp:	65113
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





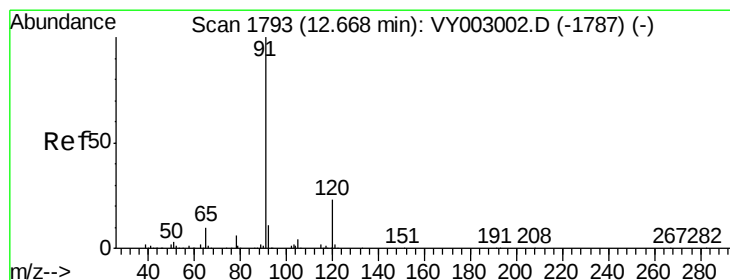
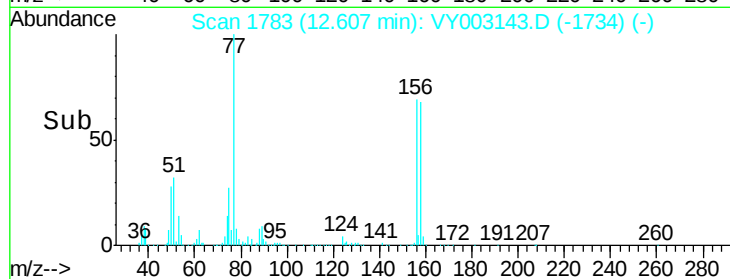
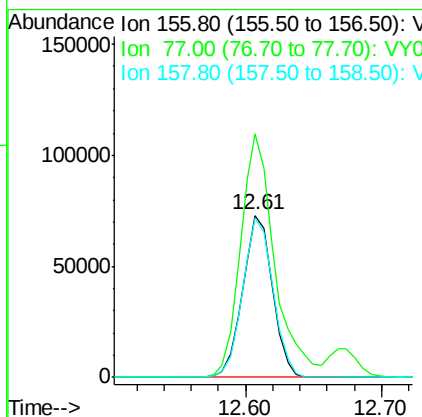
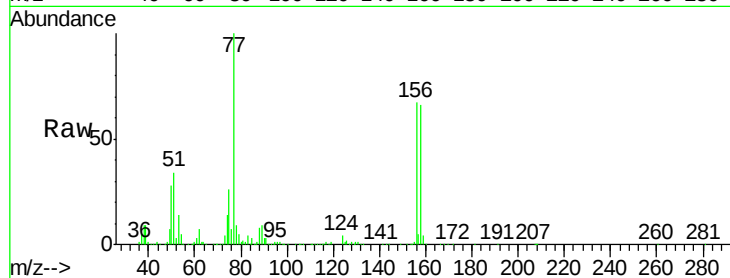
#77
Bromobenzene
Concen: 21.622 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.7	90.0	270.0
158	100.0	48.5	145.5

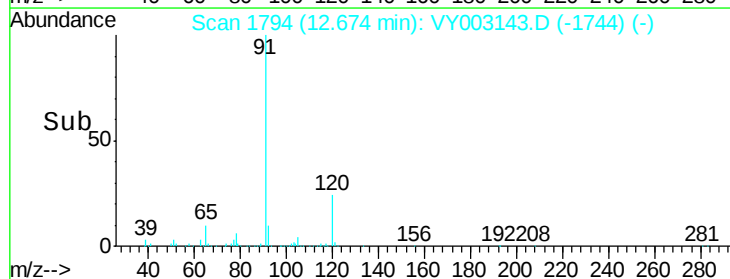
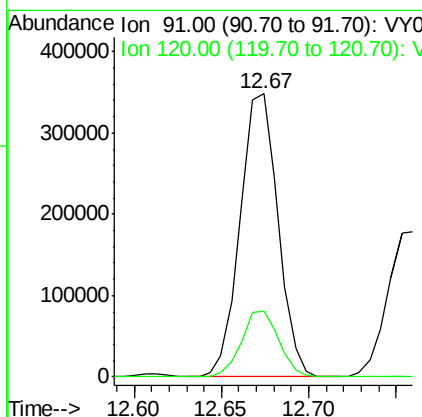
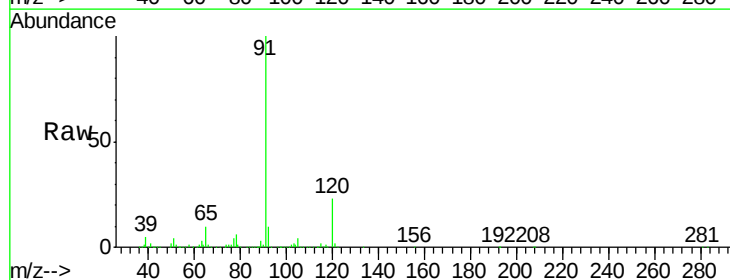
Manual Integrations
APPROVED

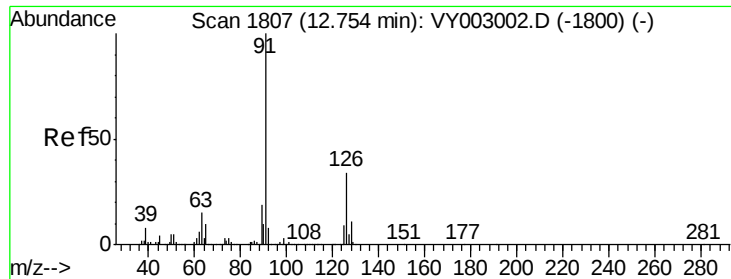
MMDadoda
7/10/2020 12:18:32 PM



#78
n-propylbenzene
Concen: 21.640 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.047 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 91 Resp: 284552

Ion Ratio Lower Upper

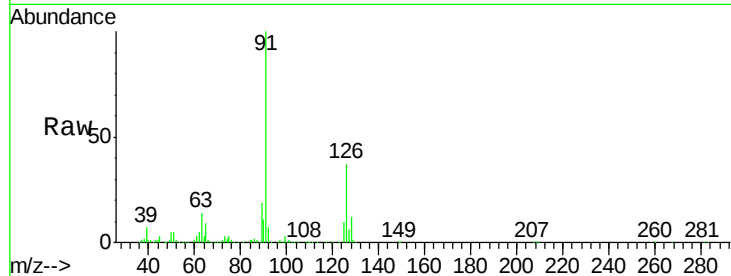
91 100

126 35.4 17.1 51.3

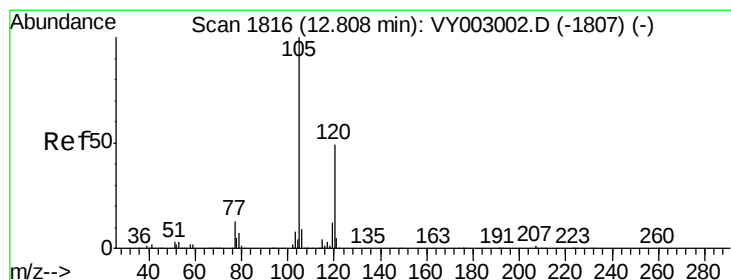
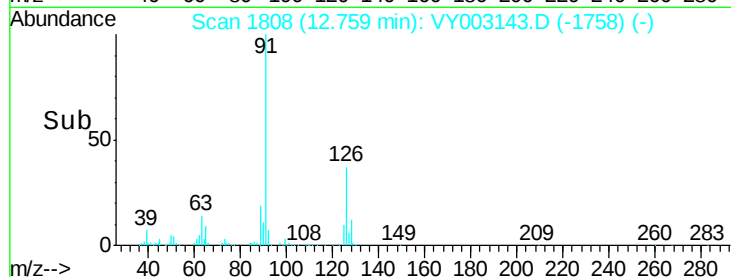
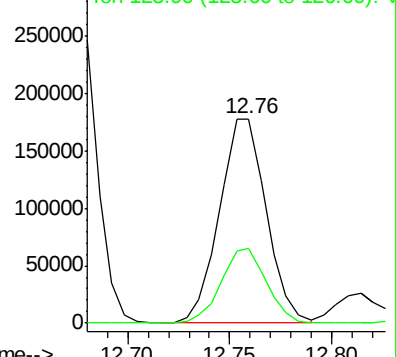
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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.719 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003143.D

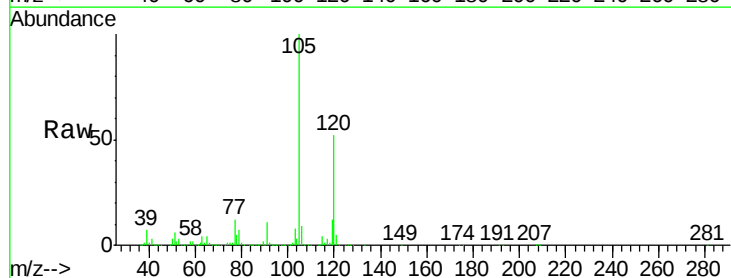
Acq: 09 Jul 2020 13:44

Tgt Ion: 105 Resp: 367077

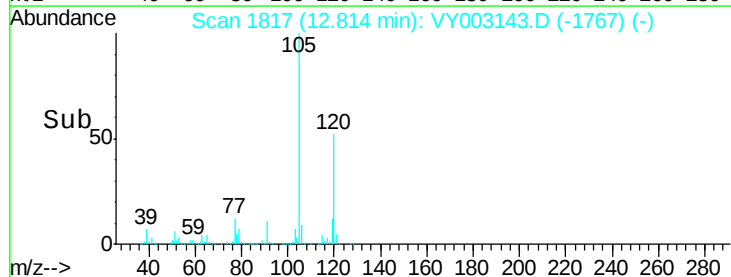
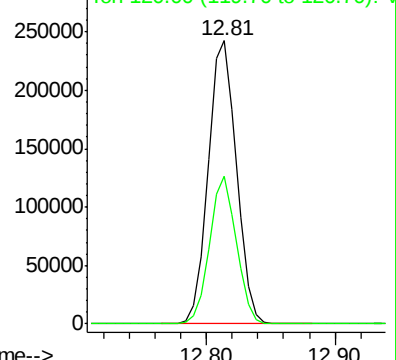
Ion Ratio Lower Upper

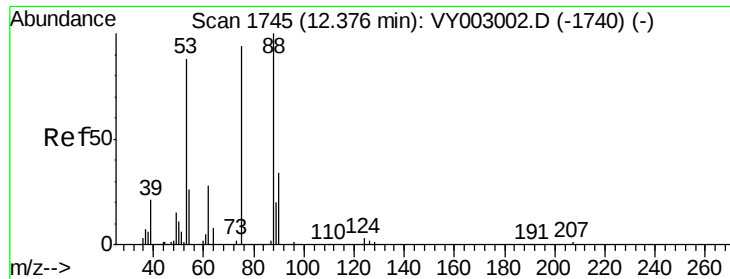
105 100

120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003002.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.443 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0709SBS01

Tot Ion: 75 Resp: 28872

Ion Ratio Lower Upper

75 100

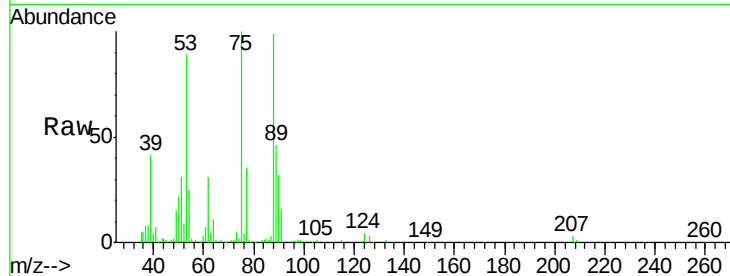
53 91.4 73.9 110.9

89 46.8 37.5 56.3

Manual Integrations
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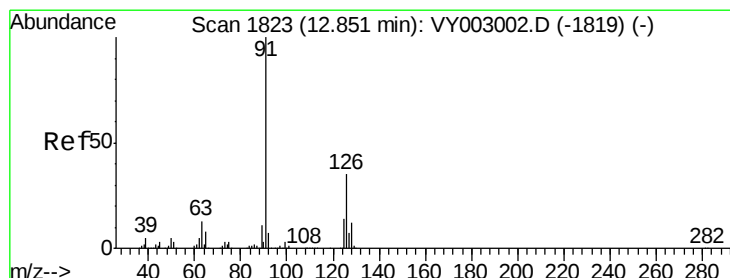
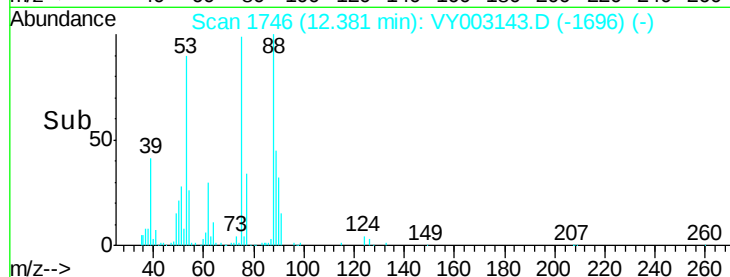
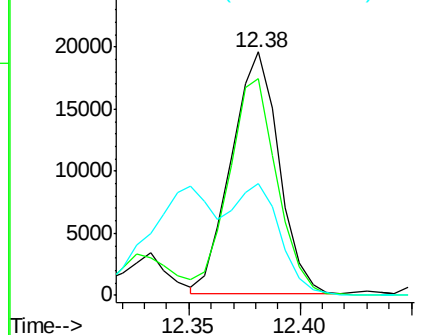
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 21.534 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY003143.D

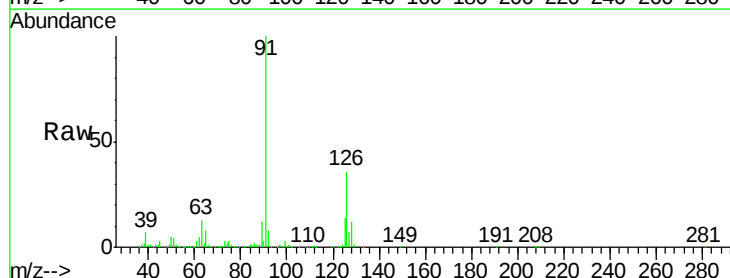
Acq: 09 Jul 2020 13:44

Tgt Ion: 91 Resp: 303119

Ion Ratio Lower Upper

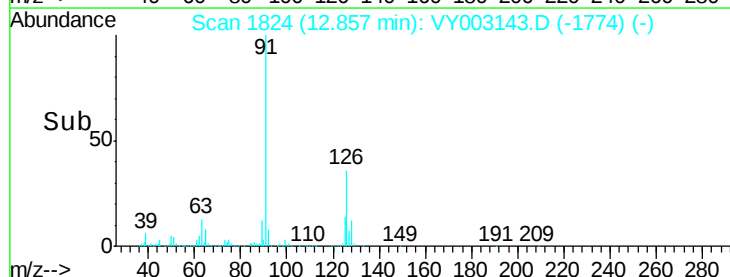
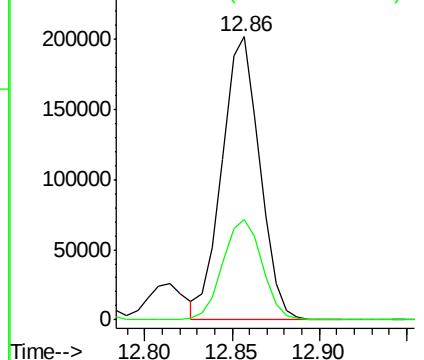
91 100

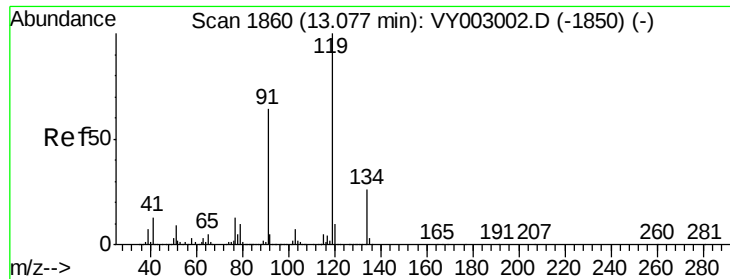
126 36.7 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





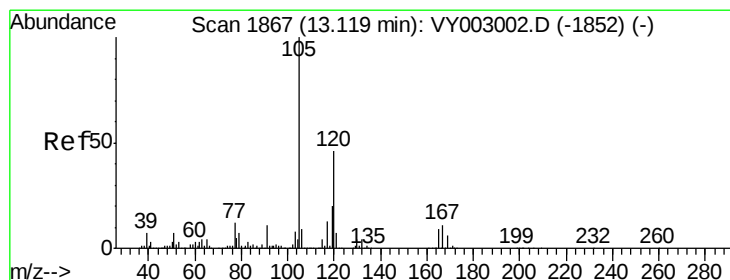
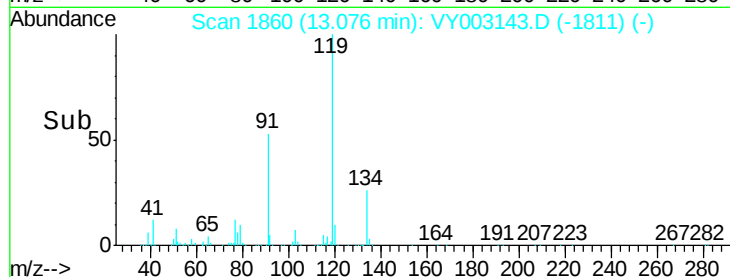
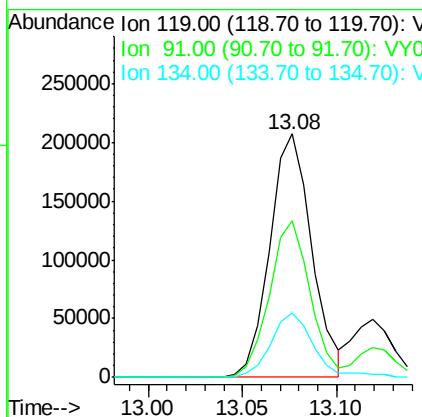
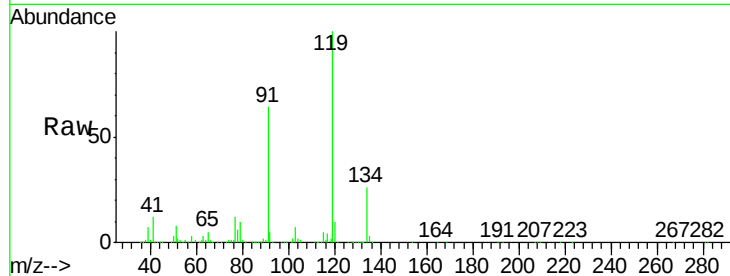
#83
tert-Butylbenzene
Concen: 21.506 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	95.0
134	27.3	13.2	39.5

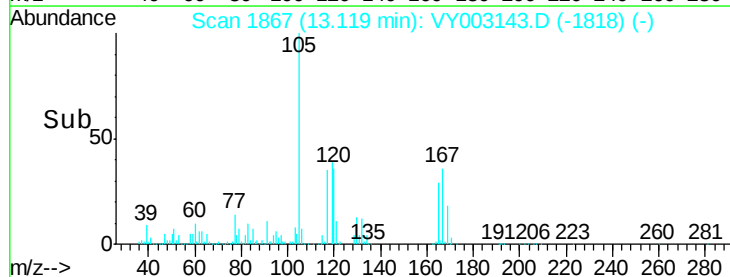
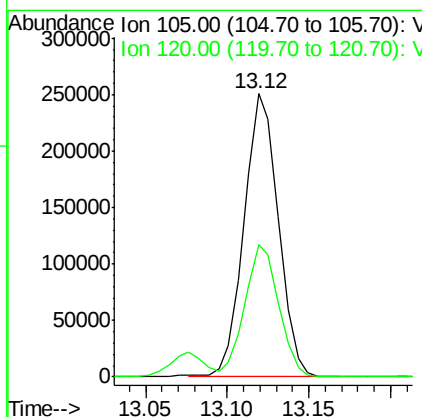
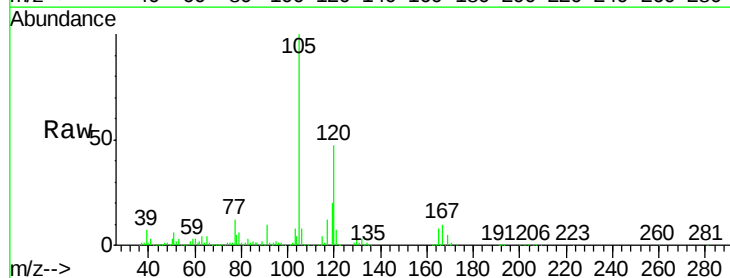
Manual Integrations
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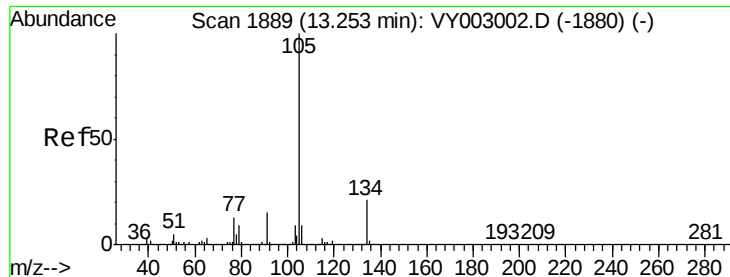
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#84
1,2,4-Trimethylbenzene
Concen: 21.543 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.6	67.8





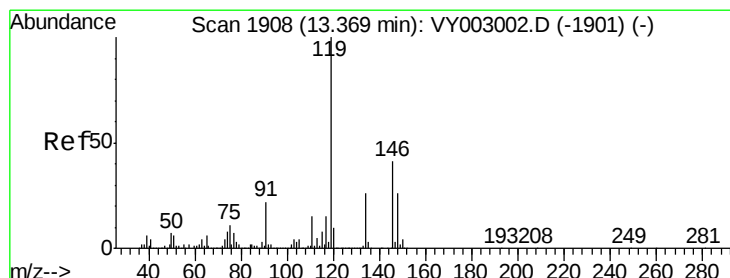
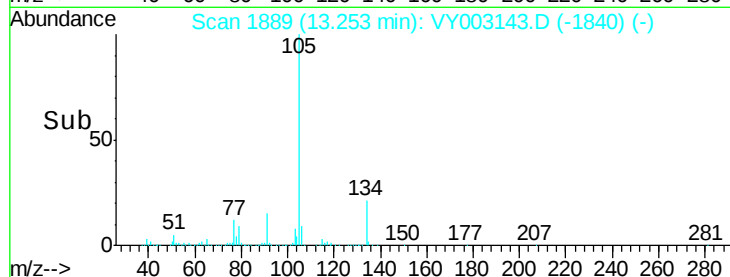
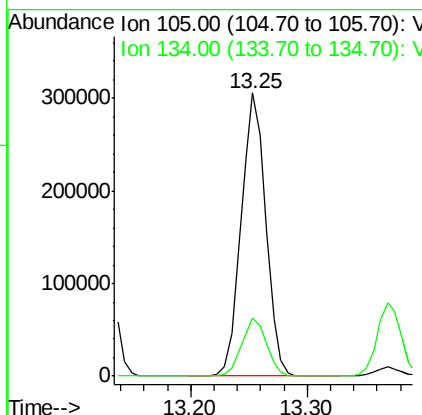
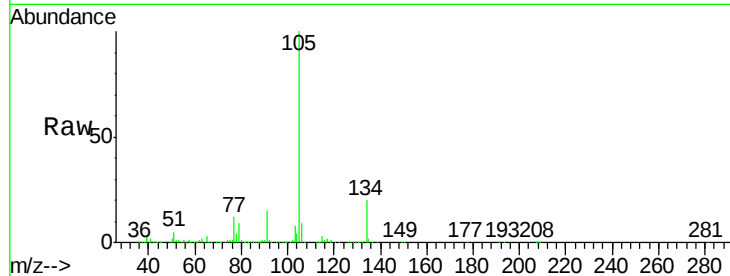
#85
 sec-Butylbenzene
 Concen: 22.061 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

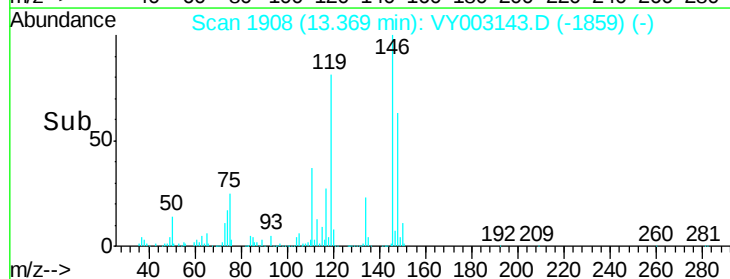
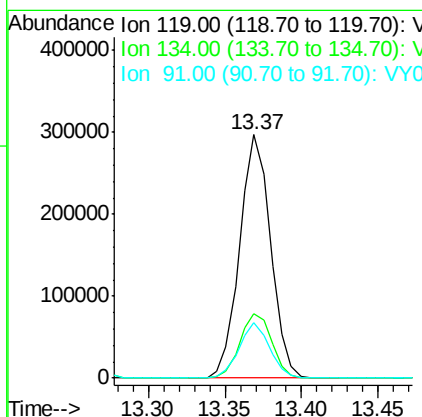
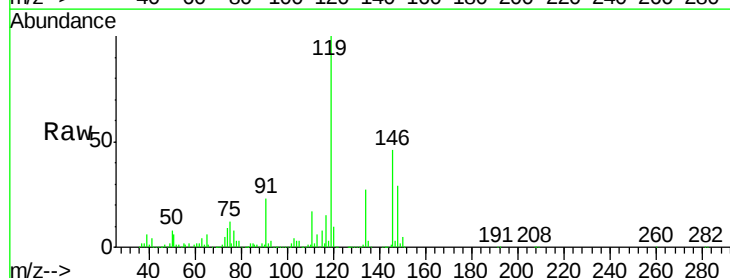
Manual Integrations
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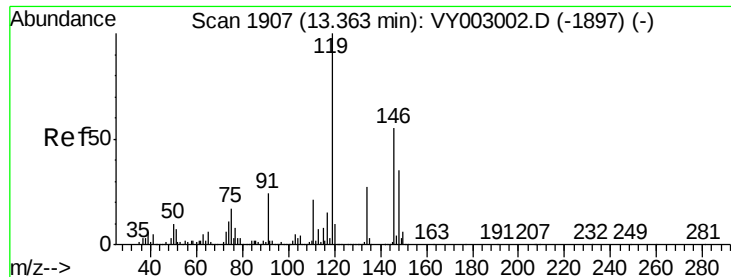
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#86
 p-Isopropyltoluene
 Concen: 21.963 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	22.3	11.5	34.5





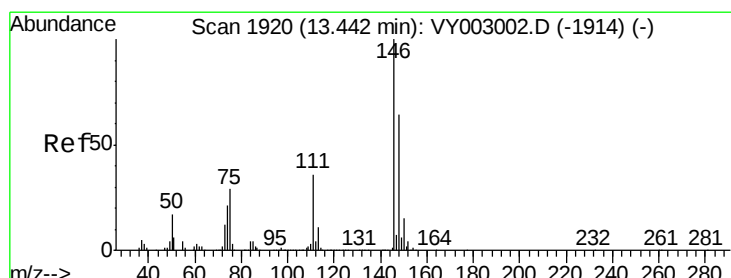
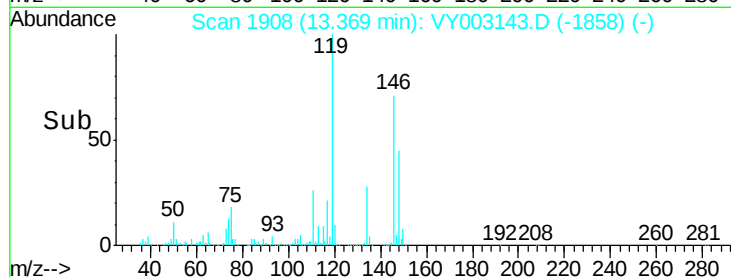
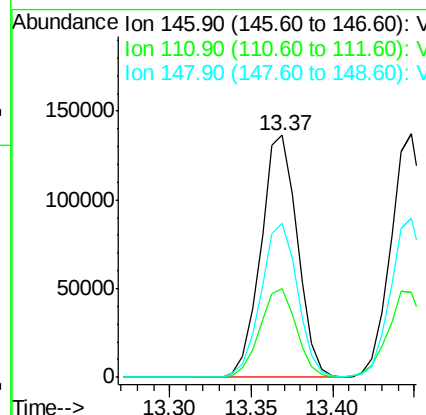
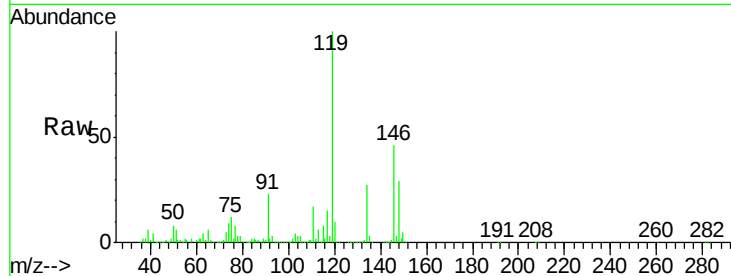
#87
 1,3-Dichlorobenzene
 Concen: 22.094 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	63.6	31.8	95.3

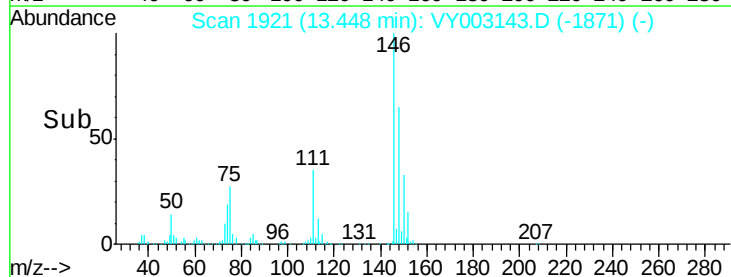
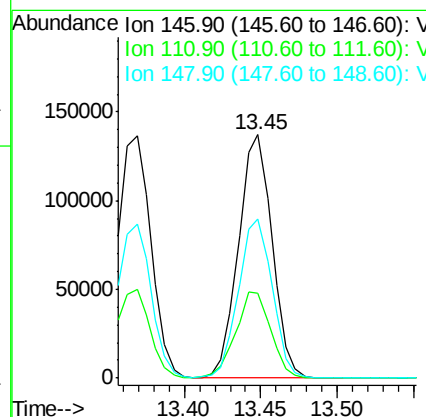
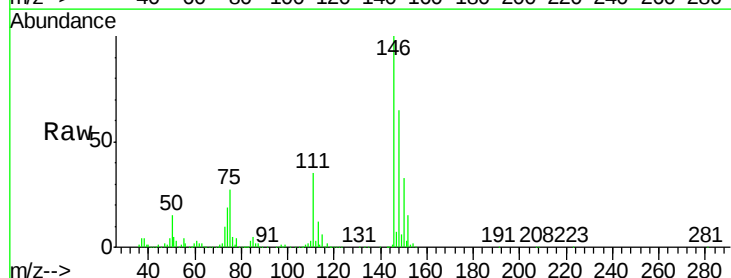
Manual Integrations
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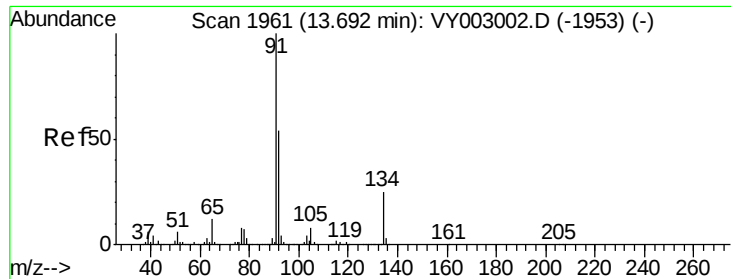
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 22.023 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003143.D
 Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	65.7	32.3	96.9





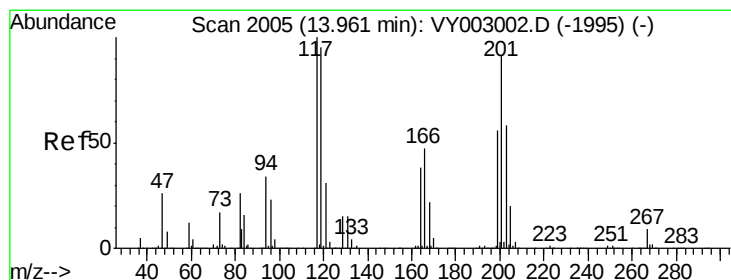
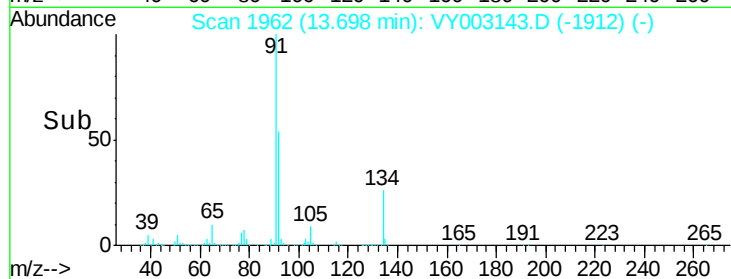
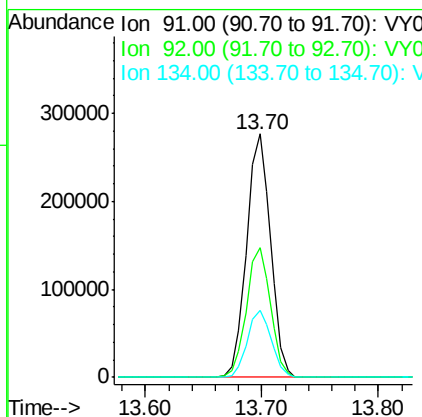
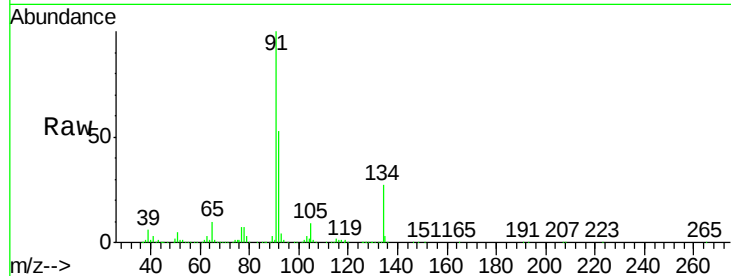
#89
n-Butylbenzene
Concen: 21.973 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	27.5	13.1	39.1

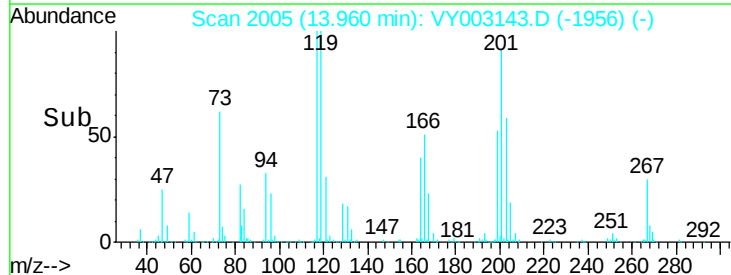
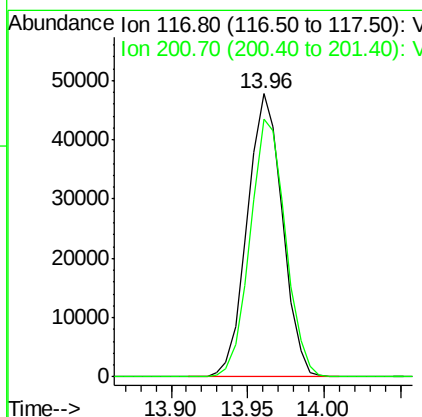
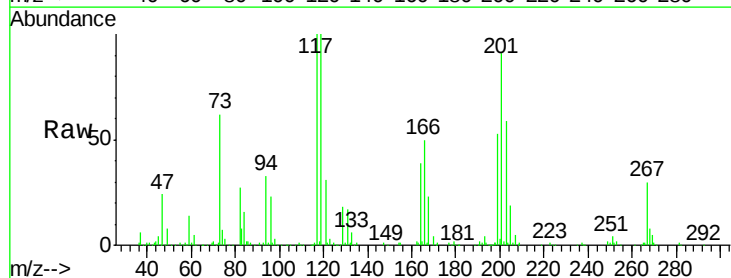
Manual Integrations
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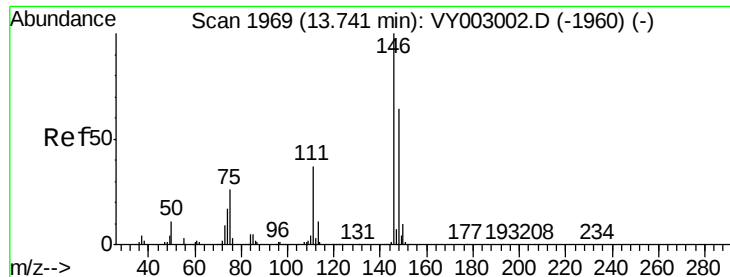
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#90
Hexachloroethane
Concen: 20.283 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 21.731 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

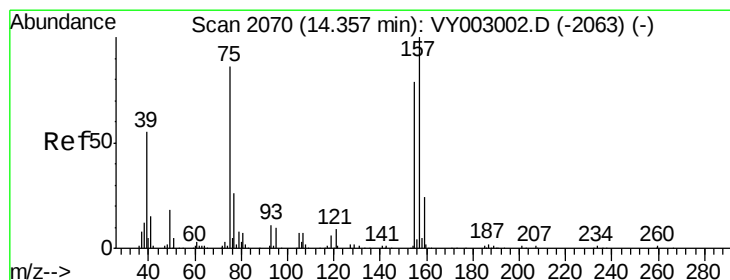
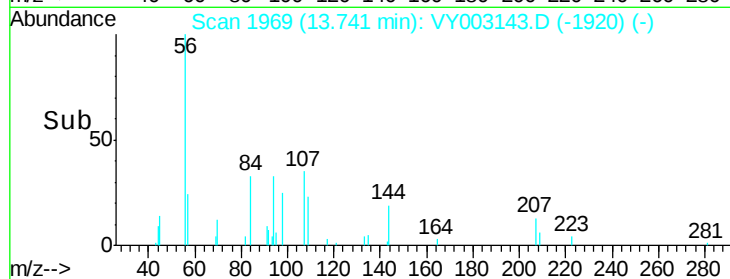
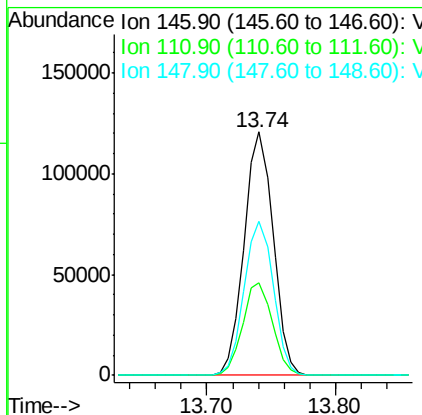
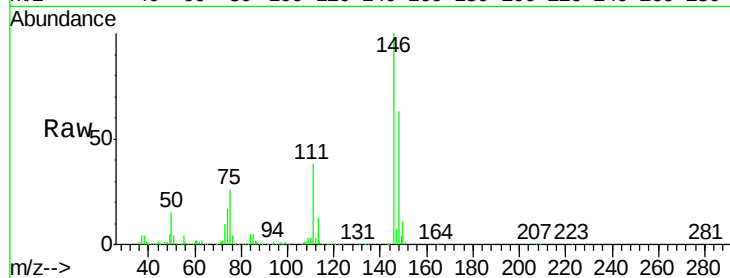
ClientSampleId :

VY0709SBS01

Tot Ion:	146	Resp:	187977
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.1	57.5
148	63.8	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.670 ug/l

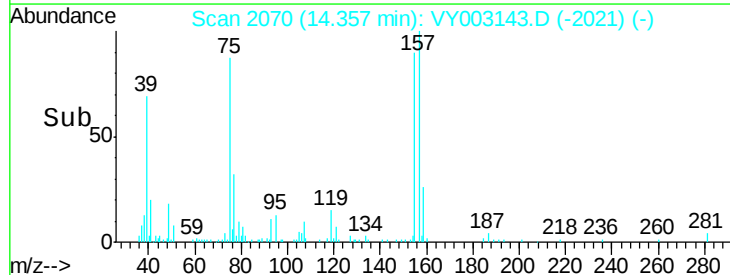
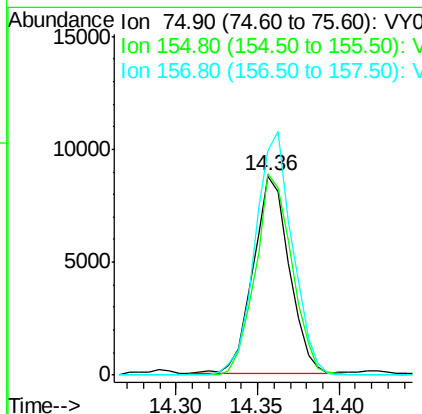
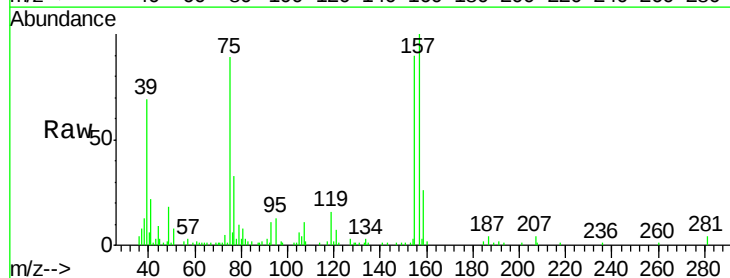
RT: 14.36 min Scan# 2070

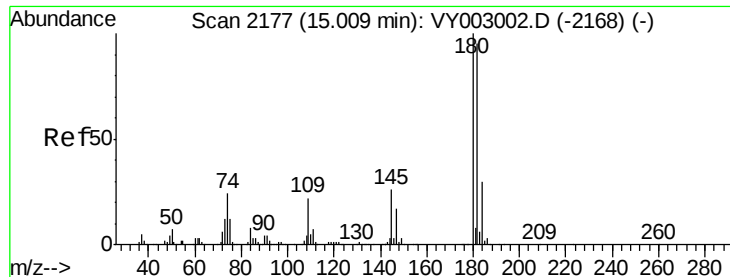
Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Tgt Ion:	75	Resp:	13433
Ion Ratio	Lower	Upper	
75	100		
155	103.1	46.5	139.3
157	126.5	59.2	177.5





#93

1,2,4-Trichlorobenzene

Concen: 21.995 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003143.D

Acq: 09 Jul 2020 13:44

Instrument :

MSVOA_Y

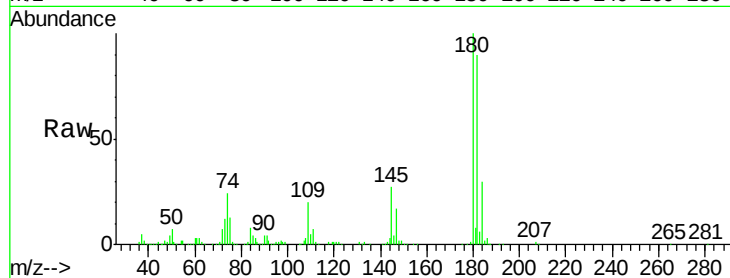
ClientSampleId :

VY0709SBS01

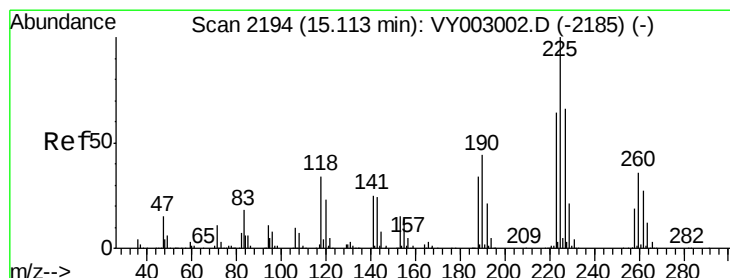
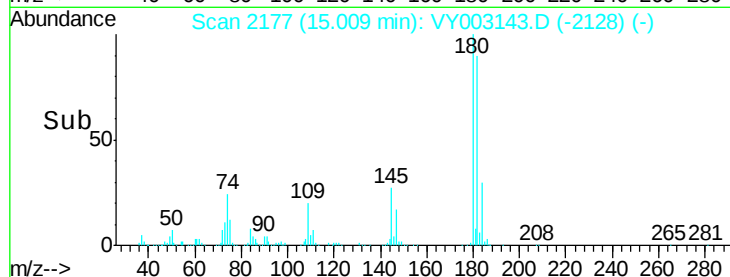
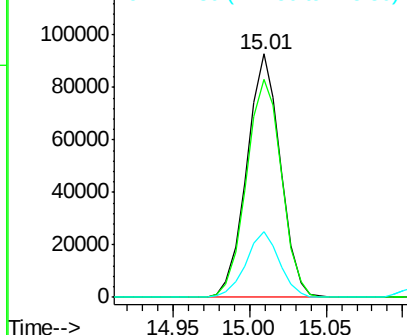
Tot Ion:	180	Resp:	141377
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.1	144.3
145	26.9	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:18:32 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 23.553 ug/l

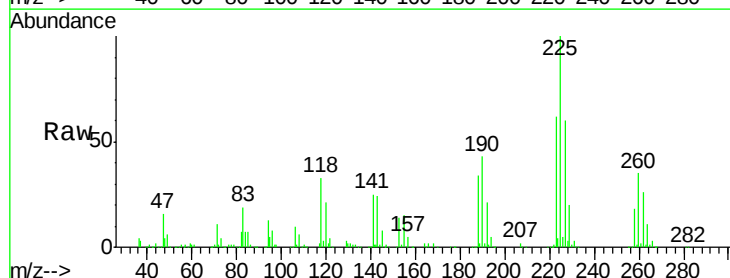
RT: 15.11 min Scan# 2194

Delta R.T. -0.00 min

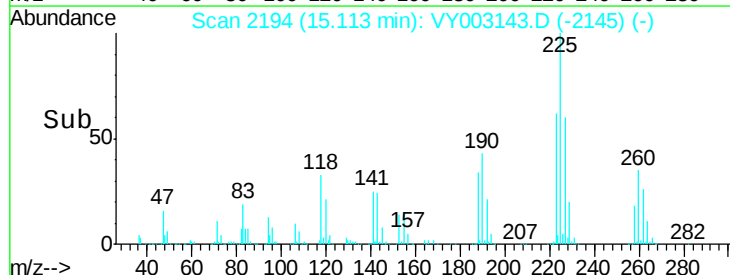
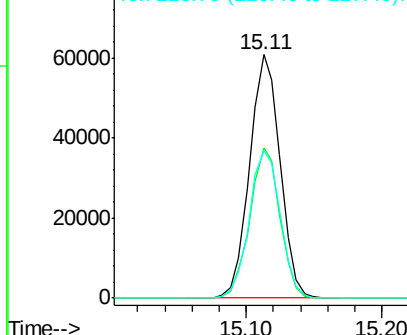
Lab File: VY003143.D

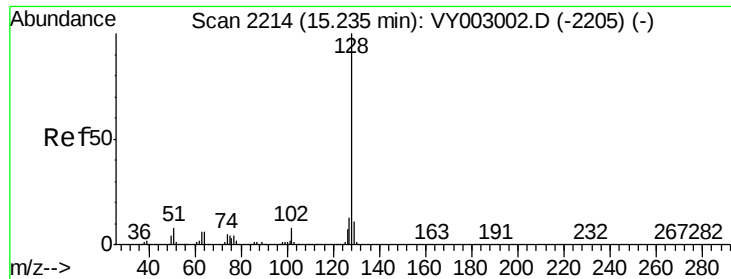
Acq: 09 Jul 2020 13:44

Tgt Ion:	225	Resp:	95492
Ion Ratio	Lower	Upper	
225	100		
223	60.8	32.4	97.0
227	61.8	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





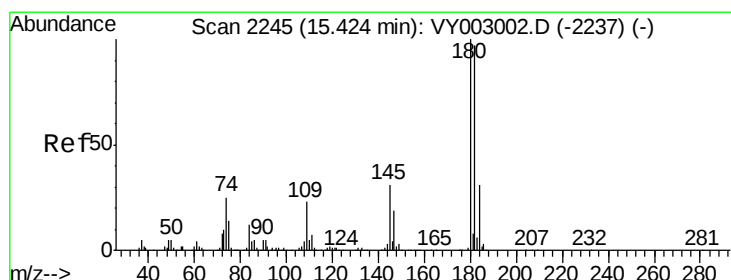
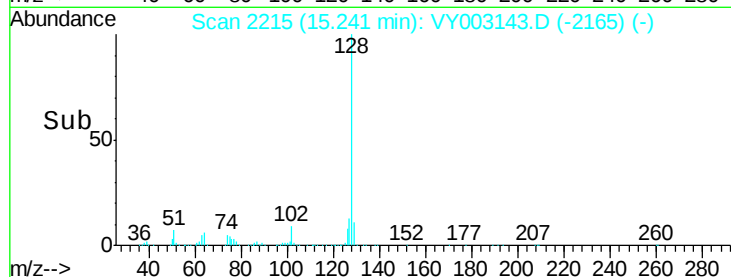
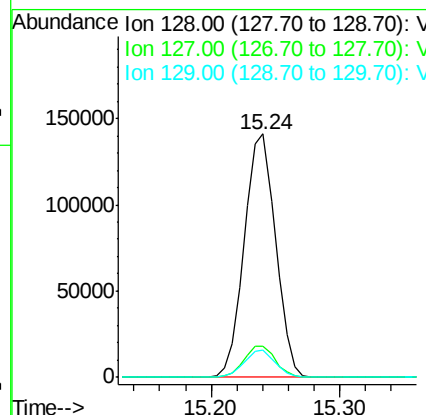
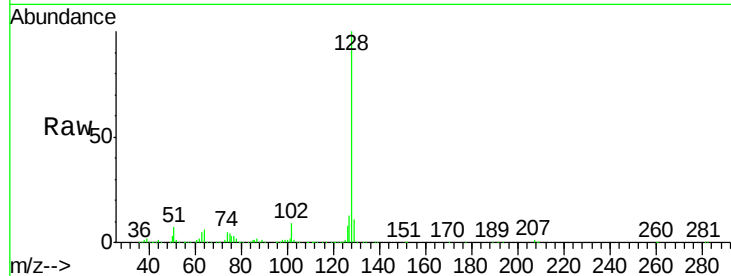
#95
Naphthalene
Concen: 20.199 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	237133		
127	12.9		10.8	16.2
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:18:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.977 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY003143.D
Acq: 09 Jul 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117077		
182	93.3		47.8	143.3
145	27.7		14.7	44.1

