

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062520\
 Data File : VY002993.D
 Acq On : 25 Jun 2020 12:11
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 11:22:14 AM

Quant Time: Jun 25 18:42:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062520S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 25 12:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	505875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	671167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	633655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	353846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	88773	21.73	ug/l	0.00
Spiked Amount			Recovery	=	43.46%	
35) Dibromofluoromethane	7.72	113	79588	20.52	ug/l	0.00
Spiked Amount			Recovery	=	41.04%	
50) Toluene-d8	10.18	98	258776	16.92	ug/l	0.00
Spiked Amount			Recovery	=	33.84%	
62) 4-Bromofluorobenzene	12.48	95	108504	20.34	ug/l	0.00
Spiked Amount			Recovery	=	40.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	57357	18.037	ug/l	99
3) Chloromethane	2.12	50	83474	22.420	ug/l	95
4) Vinyl Chloride	2.26	62	84172	21.275	ug/l	97
5) Bromomethane	2.65	94	63556	21.836	ug/l	95
6) Chloroethane	2.79	64	55746	21.863	ug/l	95
7) Trichlorofluoromethane	3.13	101	162385	22.542	ug/l	96
8) Diethyl Ether	3.54	74	45195	17.991	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	83386	19.578	ug/l	98
10) Methyl Iodide	4.10	142	117783	20.224	ug/l	99
11) Tert butyl alcohol	4.96	59	39589	78.896	ug/l #	72
12) 1,1-Dichloroethene	3.88	96	81599	19.420	ug/l	95
13) Acrolein	3.73	56	41750	99.910	ug/l	99
14) Allyl chloride	4.49	41	130669	21.132	ug/l	98
15) Acrylonitrile	5.18	53	105992	88.247	ug/l	99
16) Acetone	3.95	43	85537	84.150	ug/l	100
17) Carbon Disulfide	4.20	76	252714	20.376	ug/l	100
18) Methyl Acetate	4.48	43	46337	15.357	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	226345	19.778	ug/l	97
20) Methylene Chloride	4.72	84	106264	16.058	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	92811	20.061	ug/l	98
22) Diisopropyl ether	6.13	45	267403	21.536	ug/l	98
23) Vinyl Acetate	6.07	43	874757	108.612	ug/l	99
24) 1,1-Dichloroethane	6.03	63	153663	20.995	ug/l	99
25) 2-Butanone	6.99	43	138740	91.276	ug/l	95
26) 2,2-Dichloropropane	6.99	77	156273	22.533	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	104274	20.235	ug/l	98
28) Bromochloromethane	7.34	49	53120	17.603	ug/l	99
29) Tetrahydrofuran	7.36	42	90976	92.169	ug/l	99
30) Chloroform	7.52	83	165520	21.575	ug/l	97
31) Cyclohexane	7.79	56	146339	20.669	ug/l #	92
32) 1,1,1-Trichloroethane	7.71	97	159733	22.437	ug/l	99
36) 1,1-Dichloropropene	7.92	75	126346	22.291	ug/l	100
37) Ethyl Acetate	7.08	43	65018	20.536	ug/l	100
38) Carbon Tetrachloride	7.91	117	152194	23.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	159647	22.122	ug/l	95
40) Benzene	8.16	78	368192	22.684	ug/l	100
41) Methacrylonitrile	7.33	41	40471m	26.299	ug/l	
42) 1,2-Dichloroethane	8.24	62	113663	24.455	ug/l	100
43) Isopropyl Acetate	8.28	43	124963	21.945	ug/l	99
44) Trichloroethene	8.94	130	110716	21.799	ug/l	92
45) 1,2-Dichloropropane	9.22	63	84602	21.734	ug/l	98
46) Dibromomethane	9.30	93	50614	21.668	ug/l	95
47) Bromodichloromethane	9.50	83	119527	21.669	ug/l	96
48) Methyl methacrylate	9.30	41	58150	22.595	ug/l	99
49) 1,4-Dioxane	9.30	88	11392	343.613	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	261997	83.774	ug/l	100
52) Toluene	10.24	92	197479	18.189	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	117198	18.905	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	127592	18.321	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	67472	18.966	ug/l	97
56) Ethyl methacrylate	10.51	69	85874	17.702	ug/l	98
57) 1,3-Dichloropropane	10.79	76	120927	20.157	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	177066	75.151	ug/l	98
59) 2-Hexanone	10.83	43	217407	99.630	ug/l	100
60) Dibromochloromethane	10.99	129	100111	21.673	ug/l	99
61) 1,2-Dibromoethane	11.09	107	70790	20.047	ug/l	97
64) Tetrachloroethene	10.72	164	125624	23.414	ug/l	92
65) Chlorobenzene	11.52	112	260569	21.560	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	105242	22.851	ug/l	99
67) Ethyl Benzene	11.59	91	460965	22.131	ug/l	99
68) m/p-Xylenes	11.70	106	352628	43.673	ug/l	100
69) o-Xylene	12.03	106	164742	21.640	ug/l	99
70) Styrene	12.04	104	286162	21.761	ug/l	100
71) Bromoform	12.20	173	70359	22.510	ug/l #	99
73) Isopropylbenzene	12.33	105	457284	21.224	ug/l	99
74) N-amyl acetate	12.14	43	115667	20.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	74945	18.772	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	57299m	18.714	ug/l	
77) Bromobenzene	12.61	156	123251	21.560	ug/l	98
78) n-propylbenzene	12.67	91	535398	21.431	ug/l	99
79) 2-Chlorotoluene	12.75	91	300641	21.464	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	414474	22.910	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	29403	18.589	ug/l	96
82) 4-Chlorotoluene	12.85	91	320366	21.742	ug/l	100
83) tert-Butylbenzene	13.08	119	353127	21.681	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	396553	21.794	ug/l	100
85) sec-Butylbenzene	13.25	105	459691	21.069	ug/l	100
86) p-Isopropyltoluene	13.37	119	452645	22.009	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	238263	22.292	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	236453	21.963	ug/l	99
89) n-Butylbenzene	13.70	91	395347	21.190	ug/l	99
90) Hexachloroethane	13.96	117	83103	21.766	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	211980	21.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13514	18.397	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	167804	23.190	ug/l	99
94) Hexachlorobutadiene	15.11	225	116088	26.861	ug/l	98
95) Naphthalene	15.23	128	259775	18.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	143351	22.095	ug/l	98

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

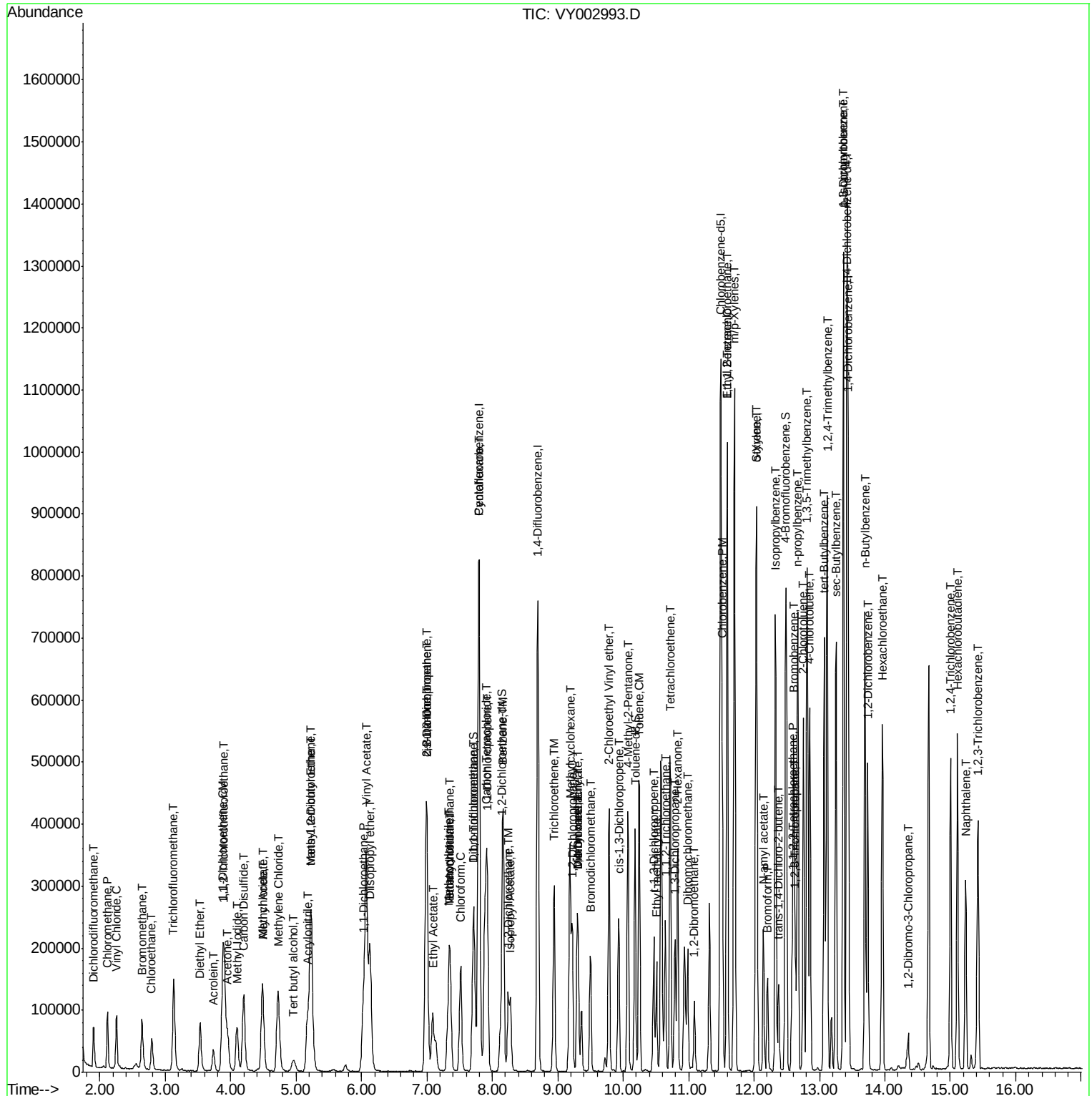
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062520\
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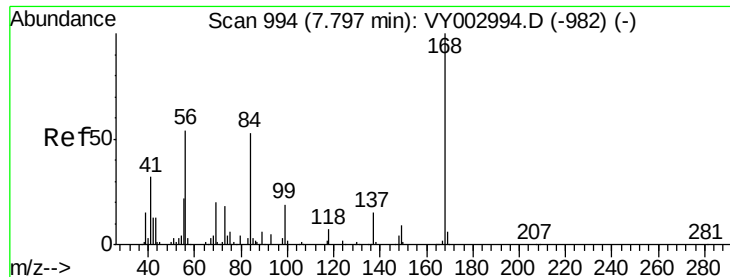
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 505875

Ion Ratio Lower Upper

168 100

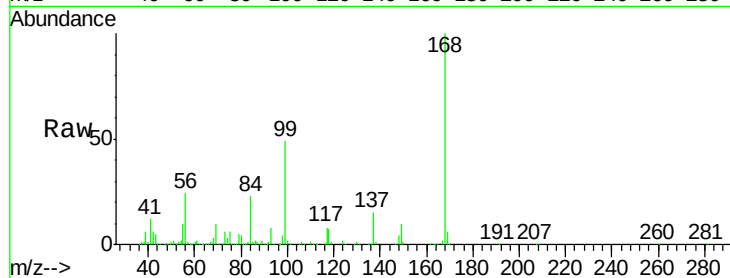
99 49.2 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

250000

200000

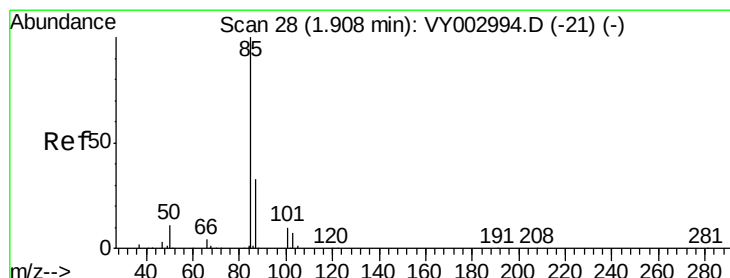
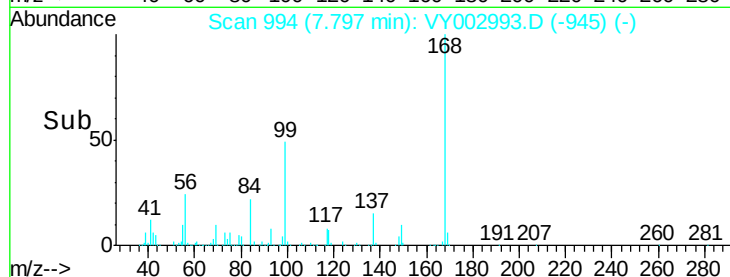
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.037 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002993.D

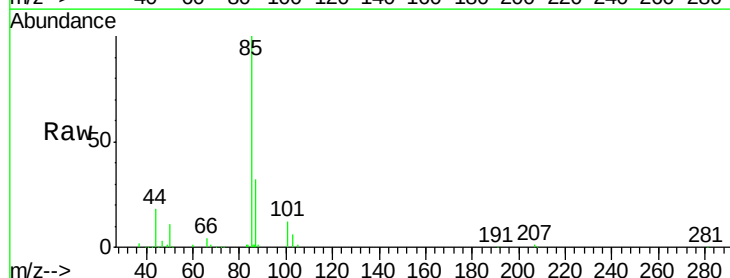
Acq: 25 Jun 2020 12:11

Tgt Ion: 85 Resp: 57357

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

40000

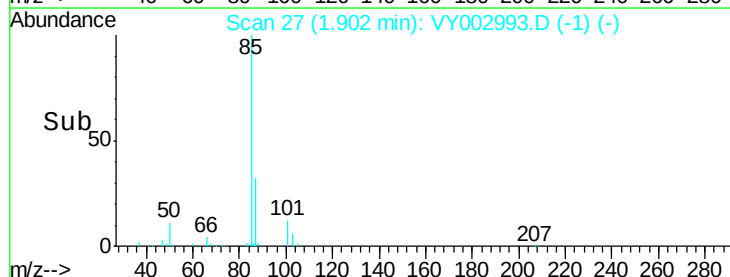
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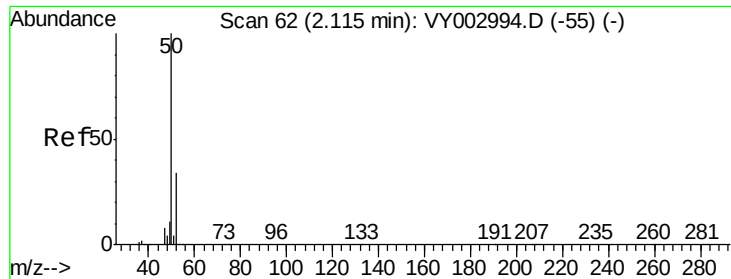
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10000

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Time-->





#3

Chloromethane

Concen: 22.420 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 83474

Ion Ratio Lower Upper

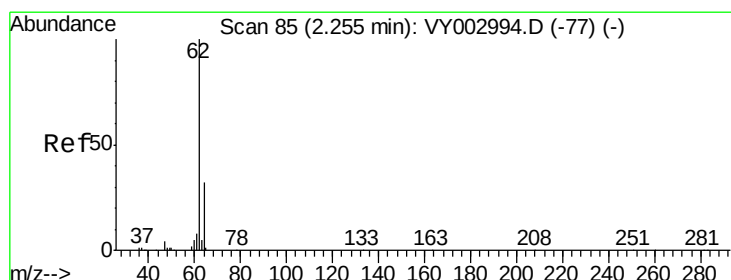
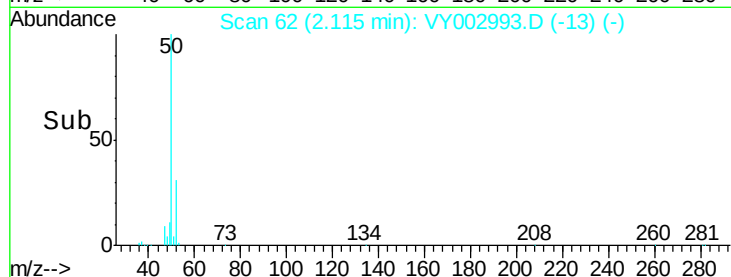
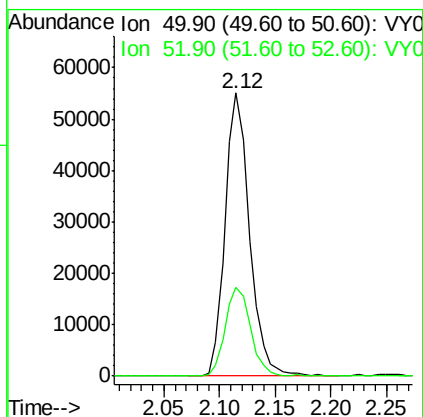
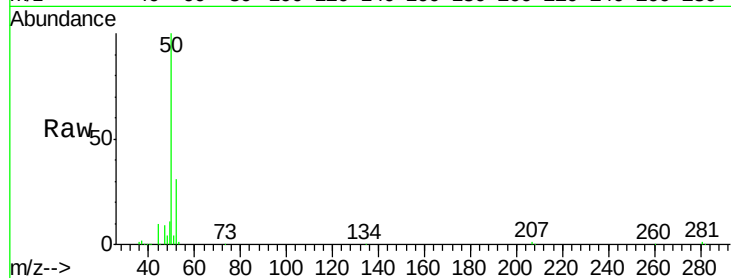
50 100

52 31.2 27.1 40.7

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#4

Vinyl Chloride

Concen: 21.275 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002993.D

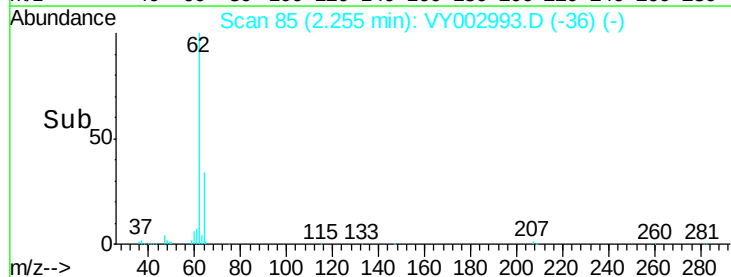
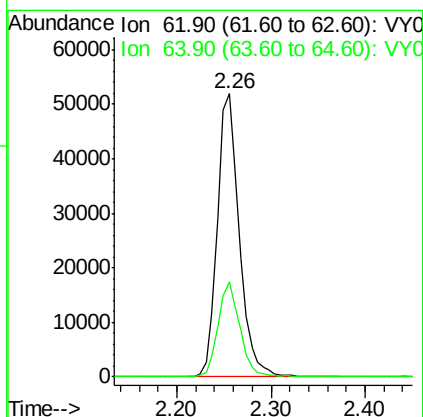
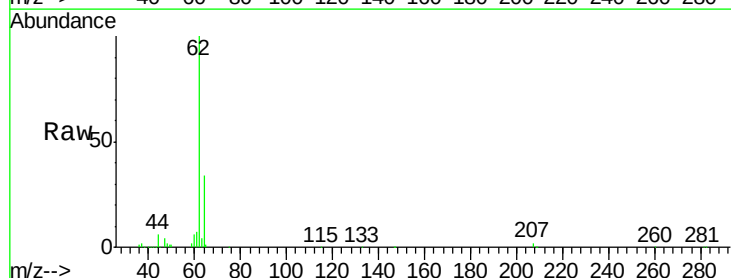
Acq: 25 Jun 2020 12:11

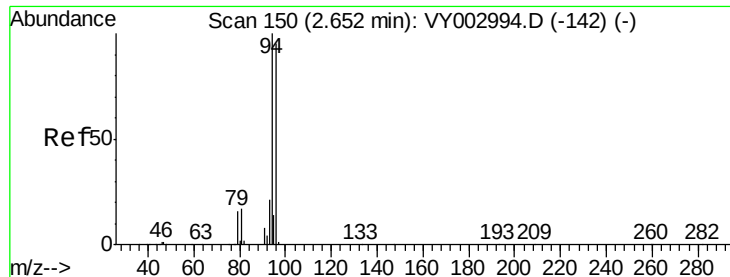
Tgt Ion: 62 Resp: 84172

Ion Ratio Lower Upper

62 100

64 33.7 25.5 38.3





#5

Bromomethane

Concen: 21.836 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 63556

Ion Ratio Lower Upper

94 100

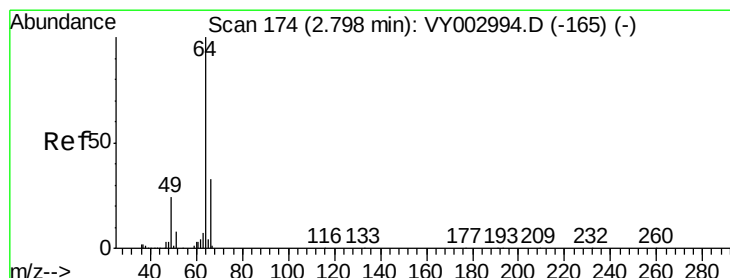
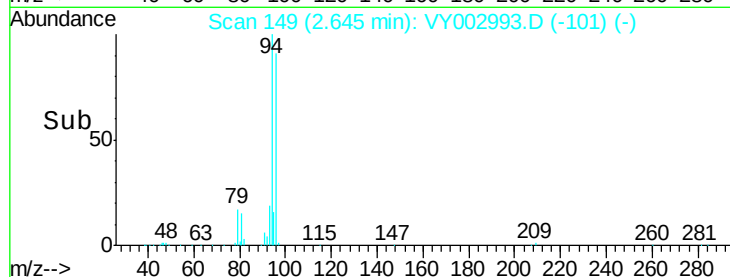
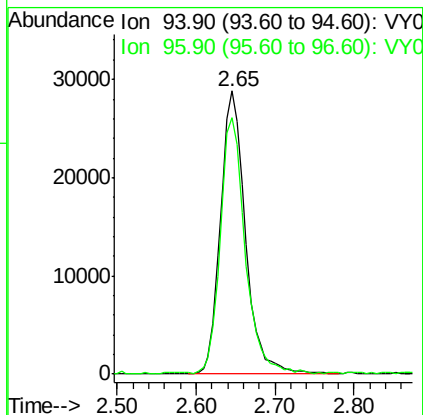
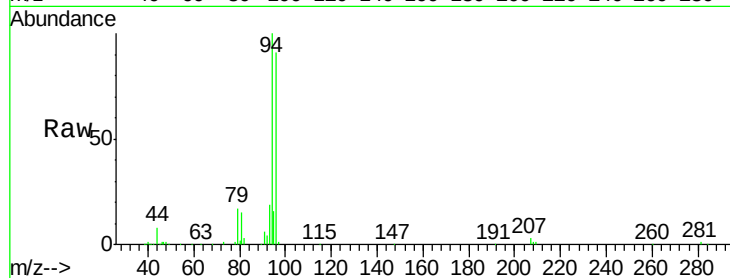
96 90.1 76.3 114.5

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#6

Chloroethane

Concen: 21.863 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002993.D

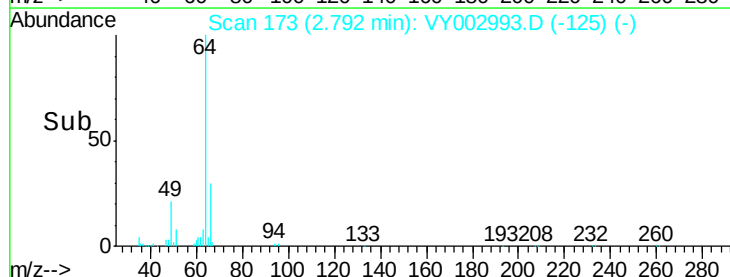
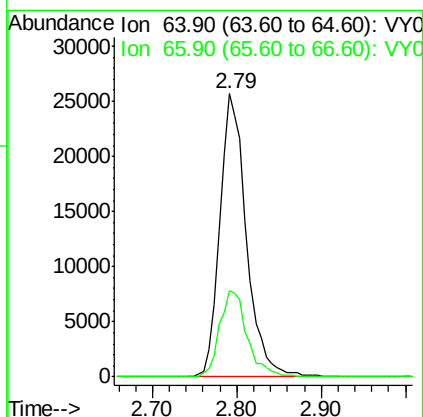
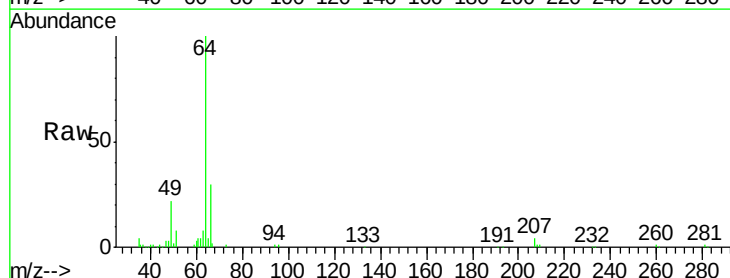
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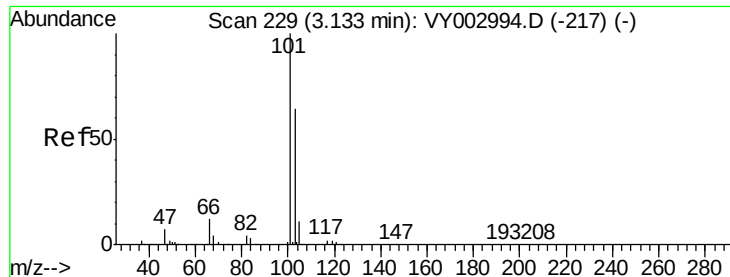
Tgt Ion: 64 Resp: 55746

Ion Ratio Lower Upper

64 100

66 30.3 26.4 39.6





#7

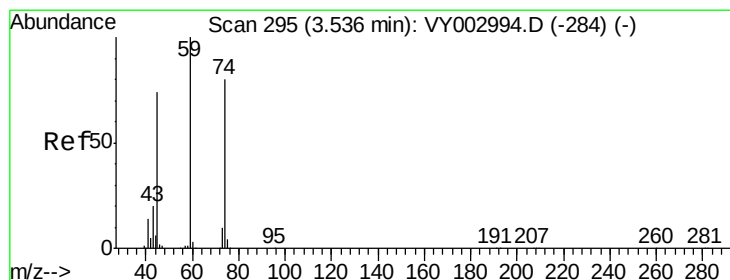
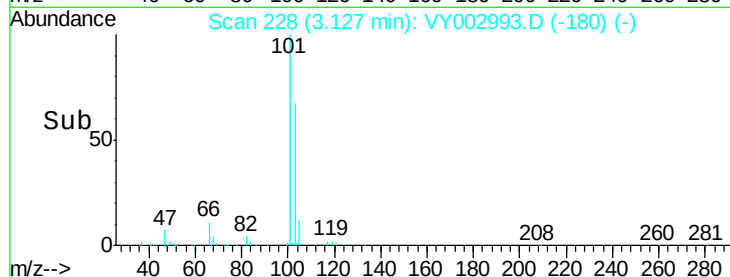
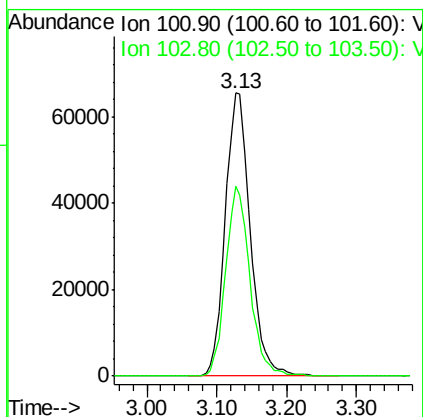
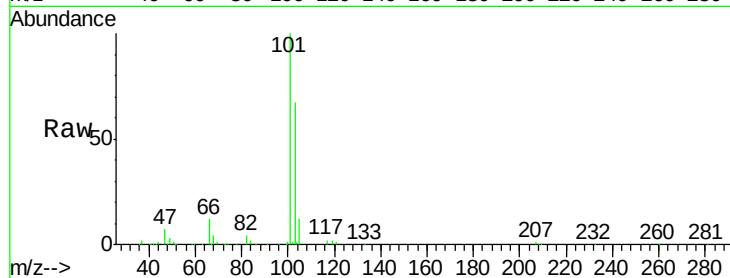
Trichlorofluoromethane
Concen: 22.542 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	162385		
103	67.3	51.3	76.9	

Manual Integrations
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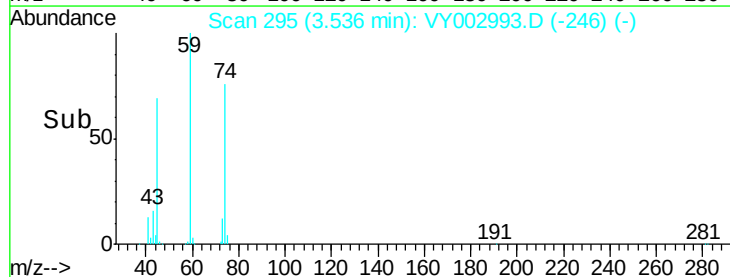
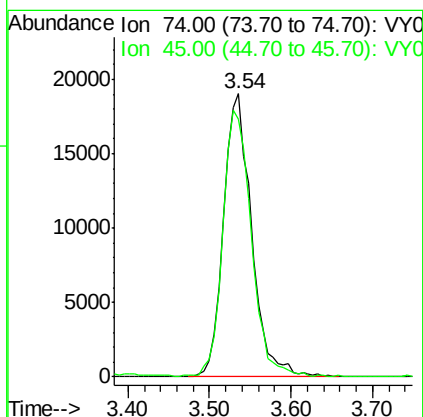
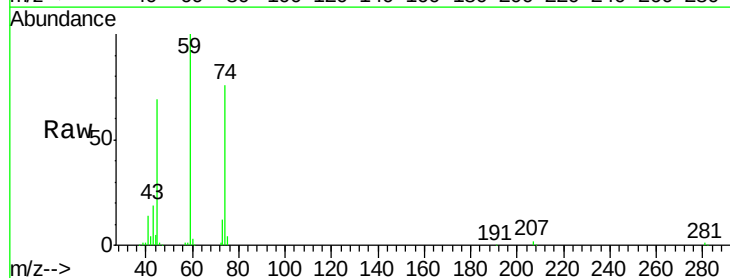
MMDadoda
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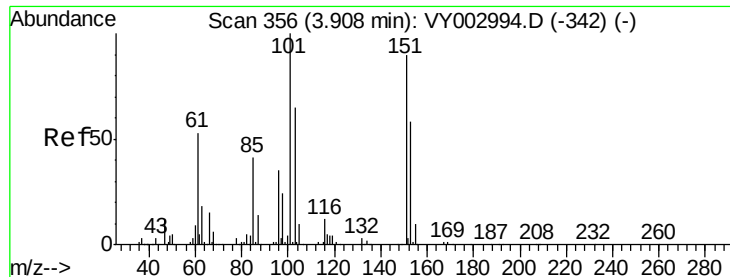


#8

Diethyl Ether
Concen: 17.991 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45195		
45	96.1	47.6	142.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.578 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002993.D

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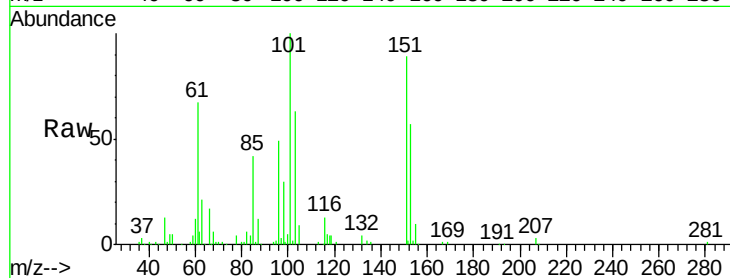
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	83386
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.0	52.4
151	92.4	72.2	108.4

Manual Integrations
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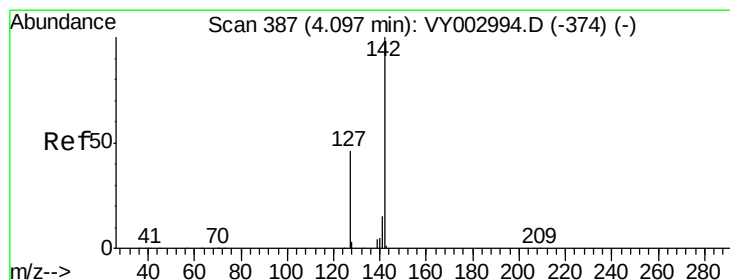
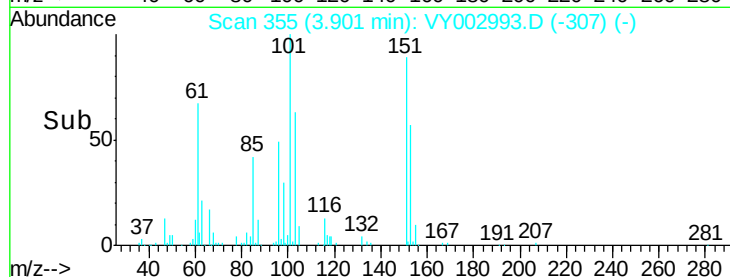
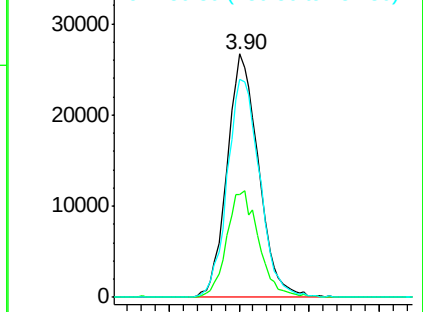
MMDadoda
6/26/2020 11:22:14 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.224 ug/l

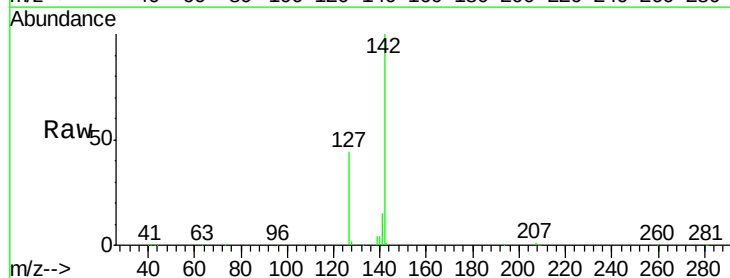
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

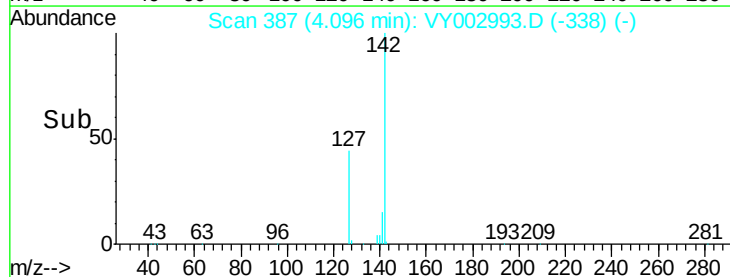
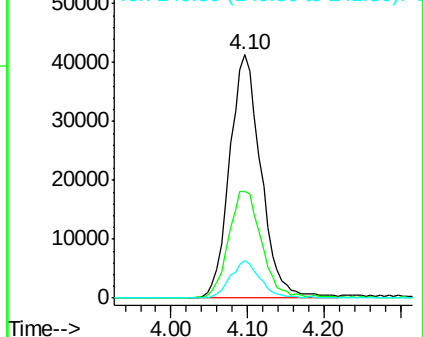
Tgt Ion:	142	Resp:	117783
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.8	53.8
141	14.6	11.7	17.5

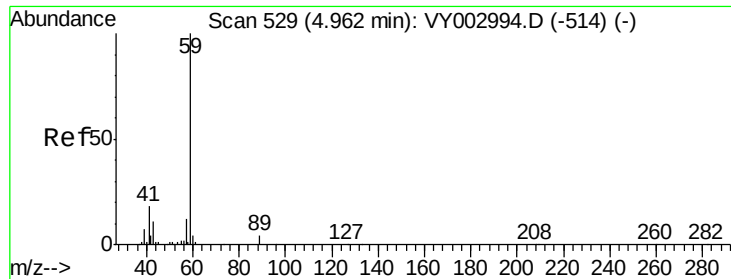


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





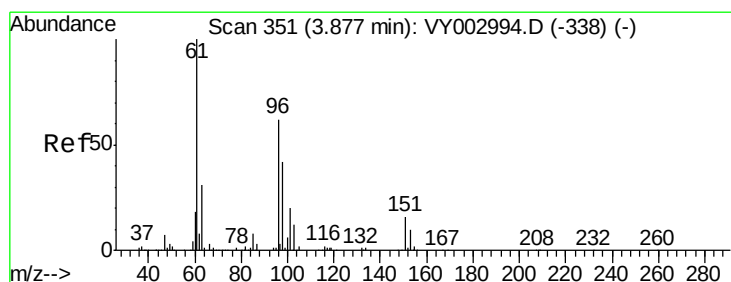
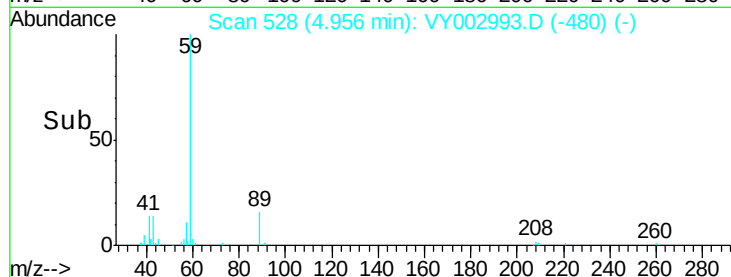
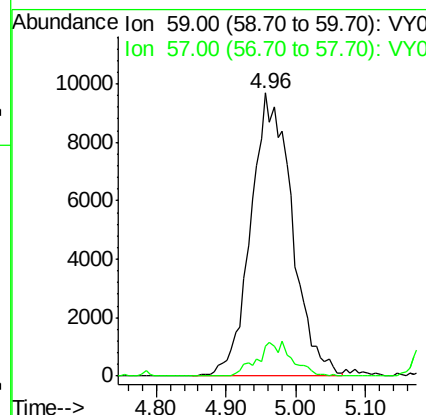
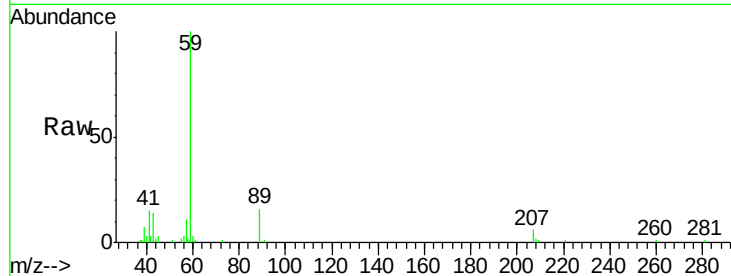
#11
Tert butyl alcohol
Concen: 78.896 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

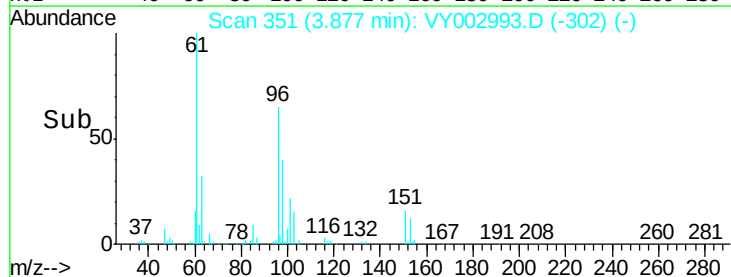
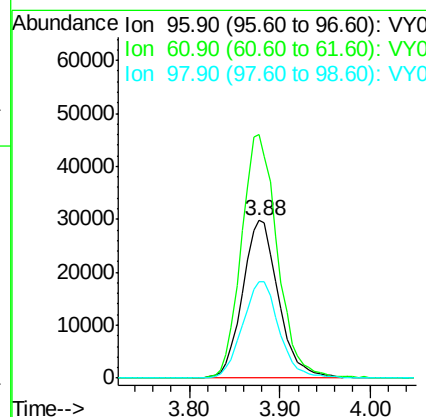
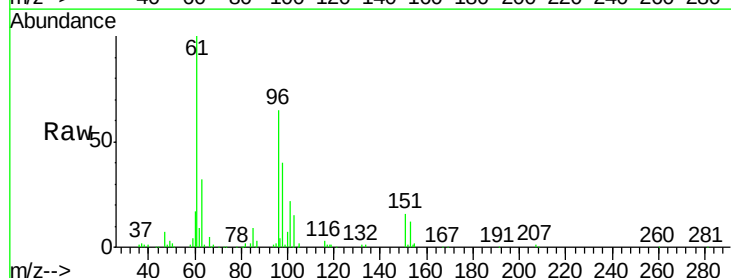
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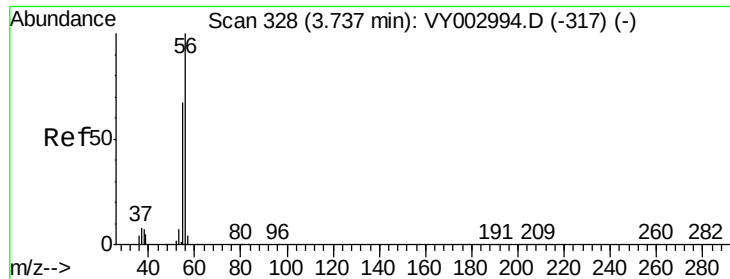
MMDadoda
6/26/2020 11:22:14 AM



#12
1,1-Dichloroethene
Concen: 19.420 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	128.1	192.1
98	61.6	53.5	80.3





#13

Acrolein

Concen: 99.910 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 41750

Ion Ratio Lower Upper

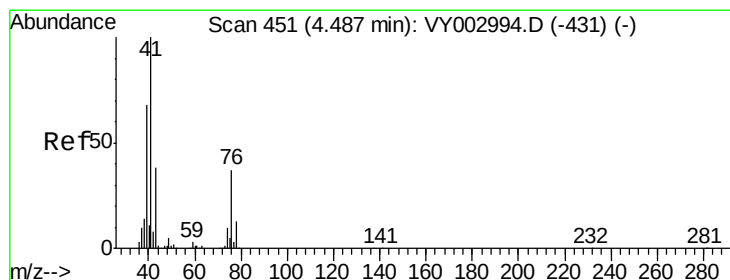
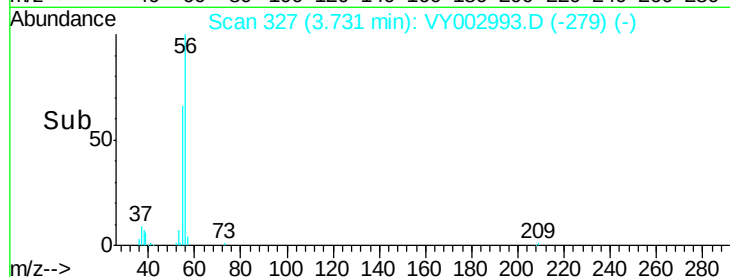
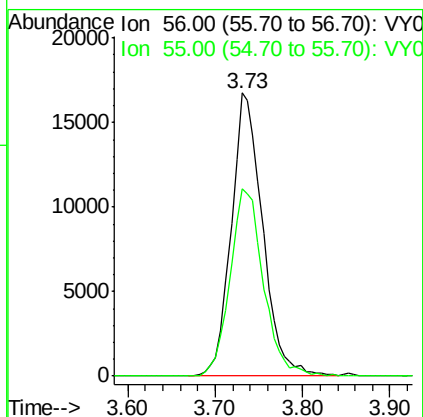
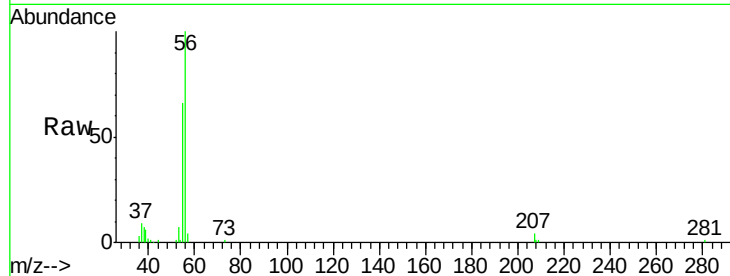
56 100

55 70.3 57.0 85.4

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#14

Allyl chloride

Concen: 21.132 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

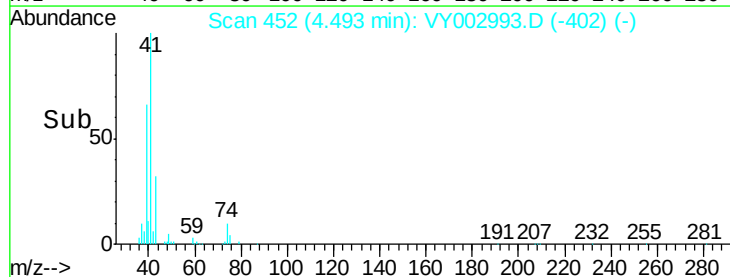
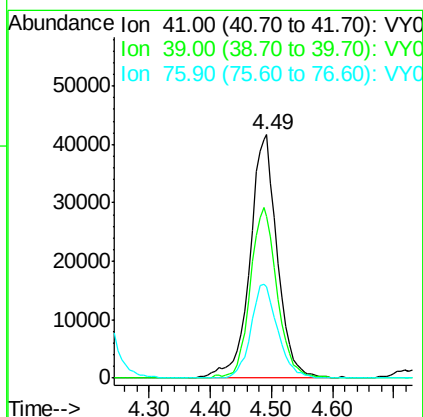
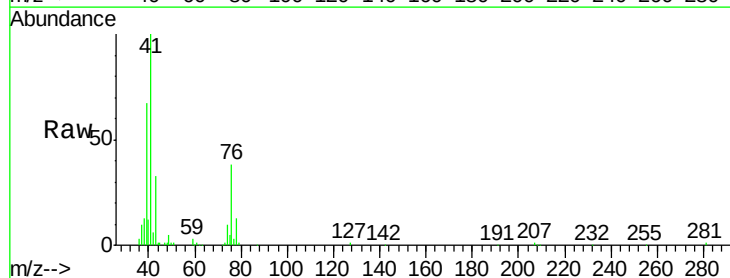
Tgt Ion: 41 Resp: 130669

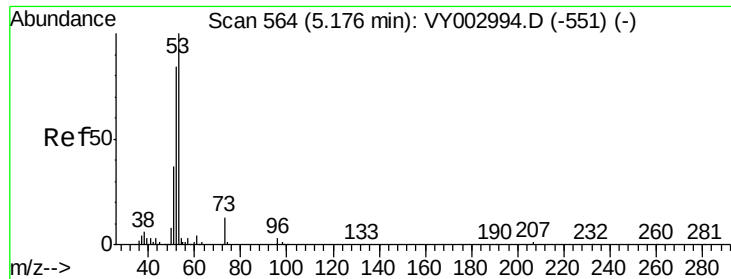
Ion Ratio Lower Upper

41 100

39 68.9 53.1 79.7

76 37.6 30.0 45.0





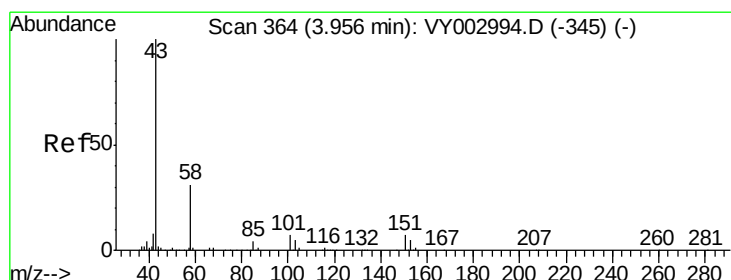
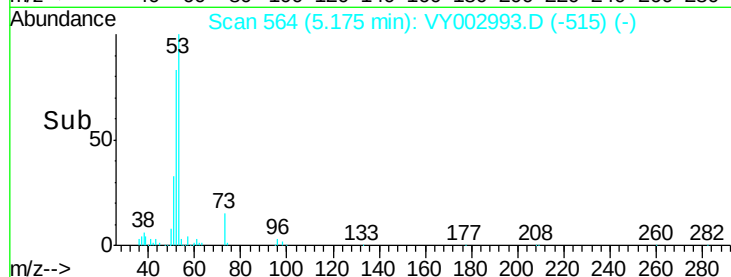
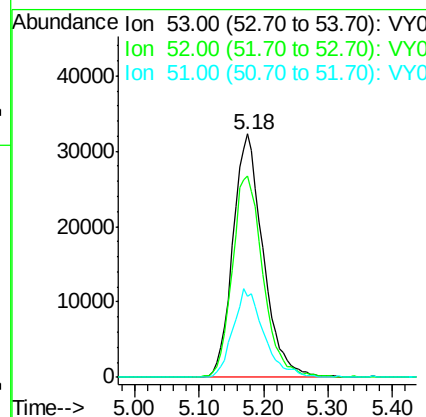
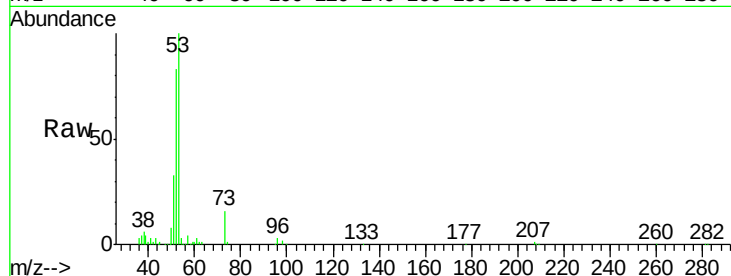
#15
 Acrylonitrile
 Concen: 88.247 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.3	68.0	102.0
51	37.2	29.8	44.8

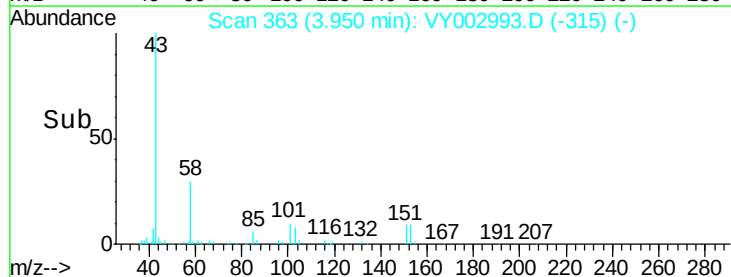
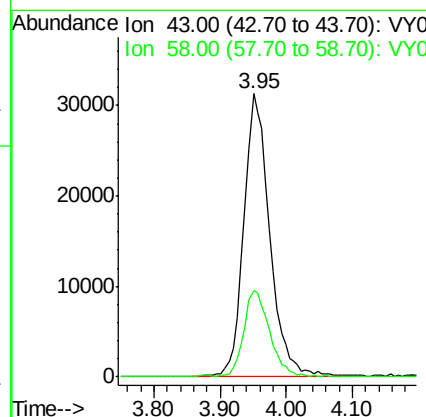
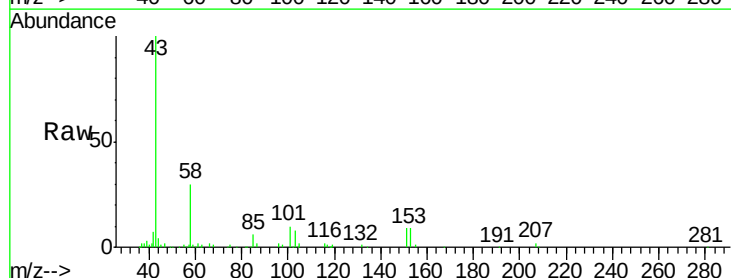
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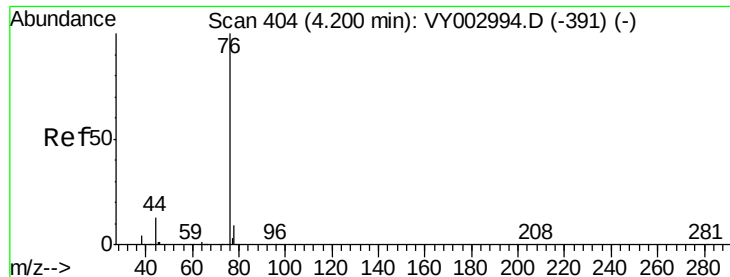
MMDadoda
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#16
 Acetone
 Concen: 84.150 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.4	36.6





#17

Carbon Disulfide

Concen: 20.376 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 252714

Ion Ratio Lower Upper

76 100

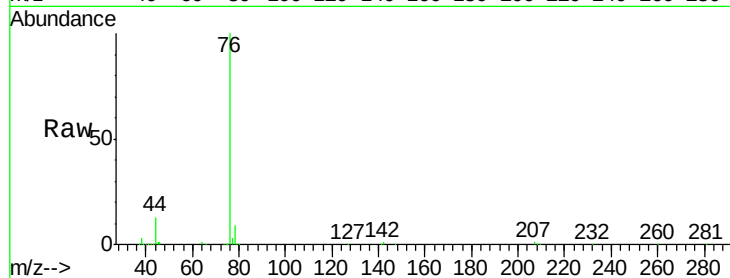
78 9.3 7.4 11.2

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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

100000

80000

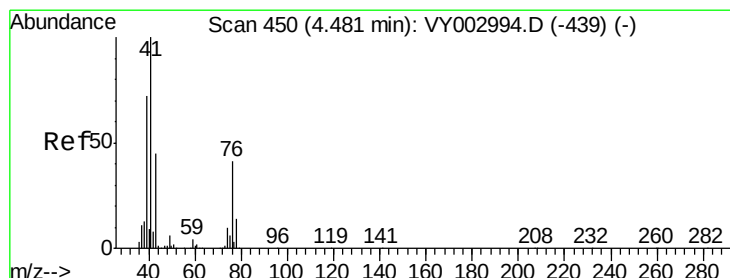
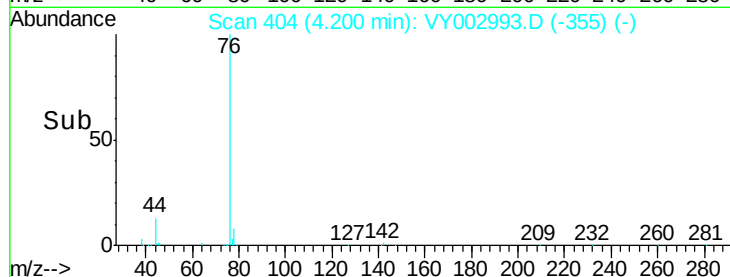
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 15.357 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY002993.D

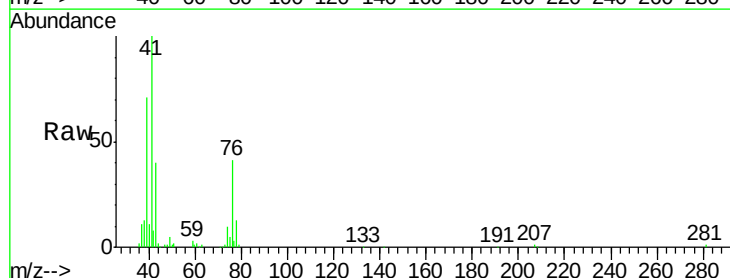
Acq: 25 Jun 2020 12:11

Tgt Ion: 43 Resp: 46337

Ion Ratio Lower Upper

43 100

74 26.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

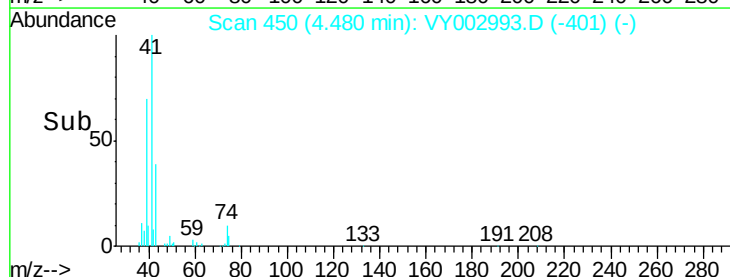
15000

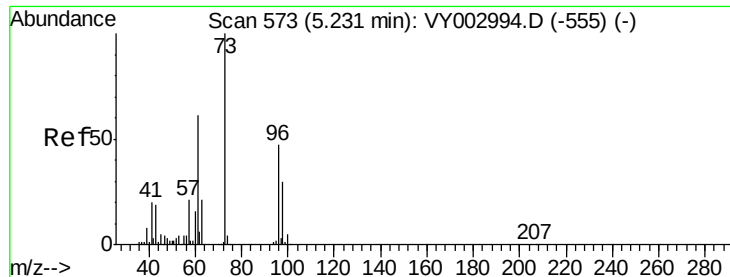
10000

5000

0

Time-->





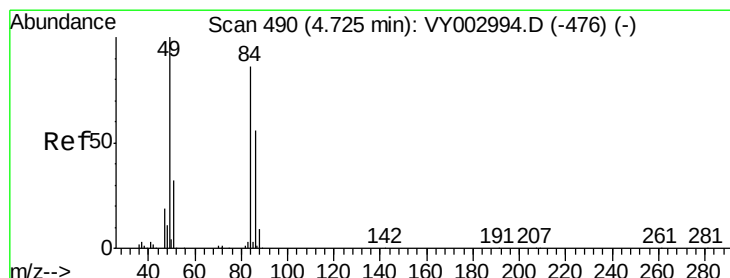
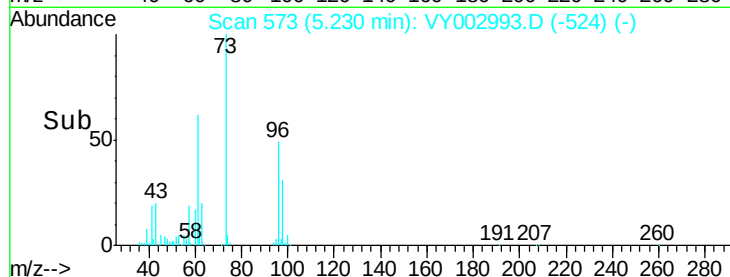
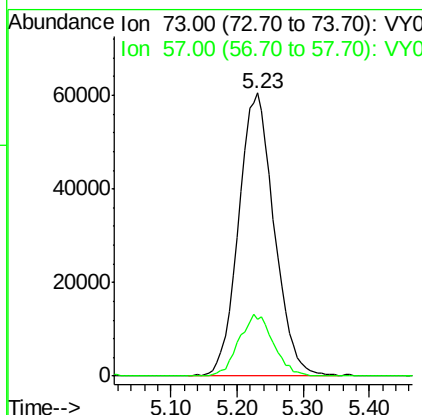
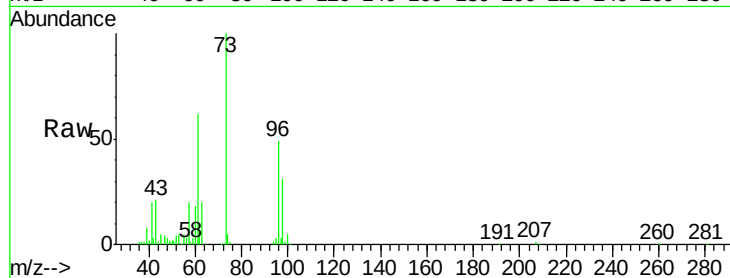
#19
Methyl tert-butyl Ether
Concen: 19.778 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.0	25.4

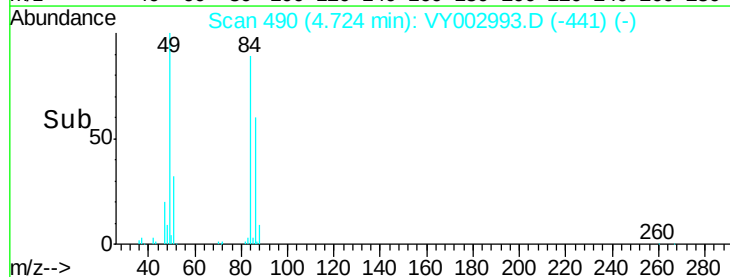
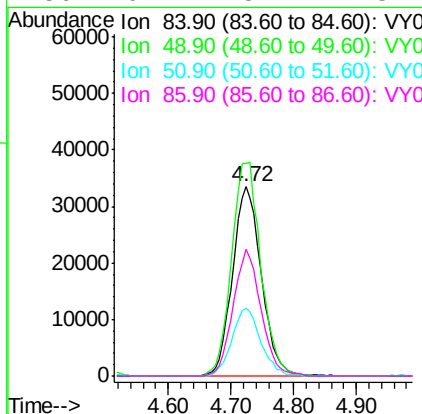
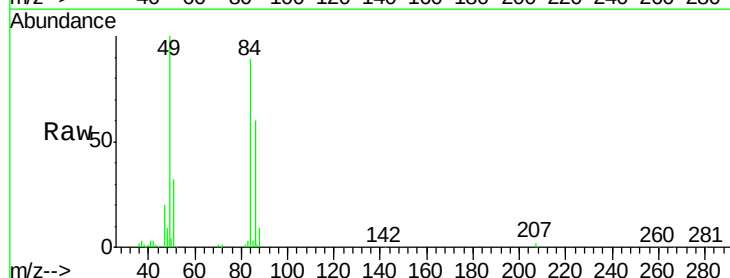
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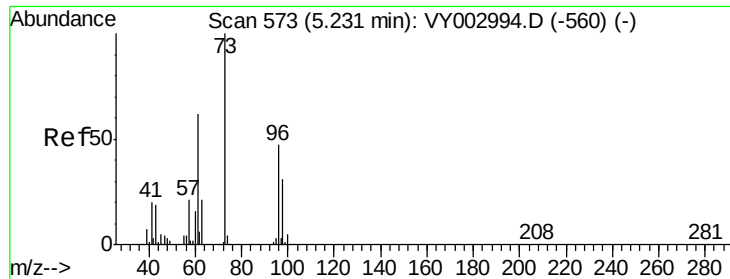
MMDadoda
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#20
Methylene Chloride
Concen: 16.058 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.1	92.6	138.8
51	35.8	29.8	44.8
86	67.4	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

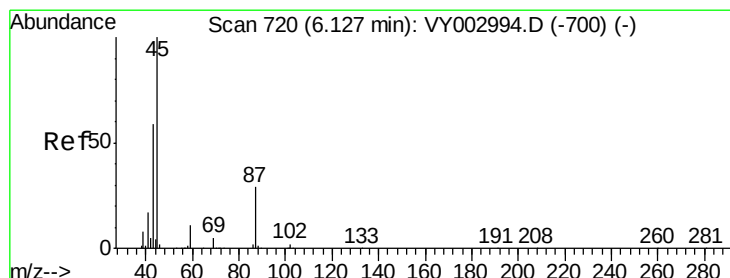
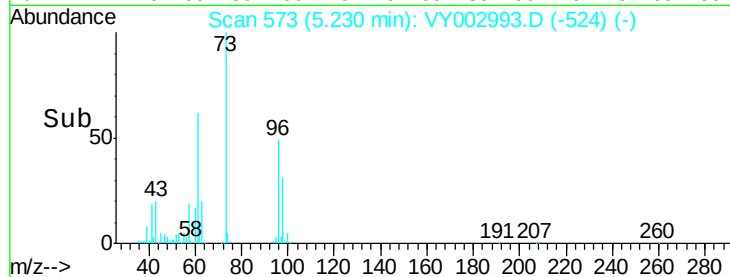
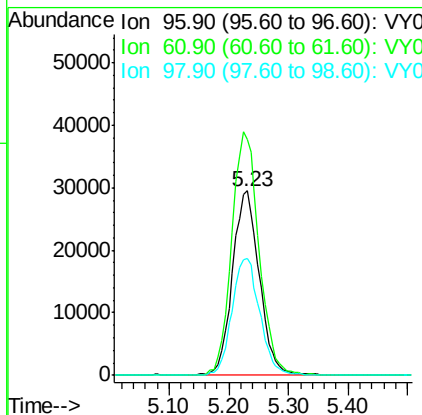
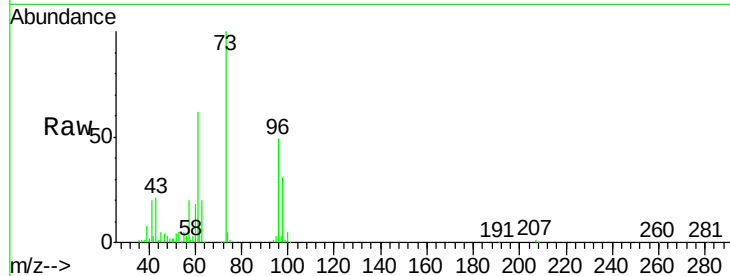
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	92811
Ion	Ratio	Lower	Upper
96	100		
61	127.7	104.0	156.0
98	63.3	51.6	77.4

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#22

Diisopropyl ether

Concen: 21.536 ug/l

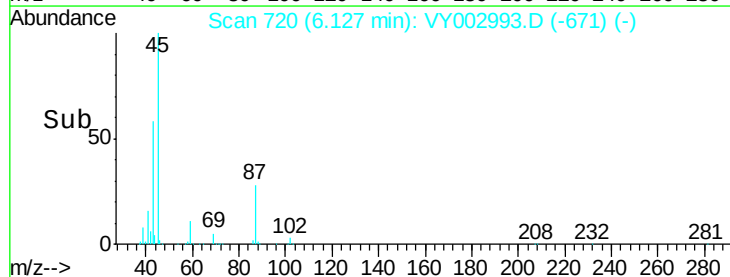
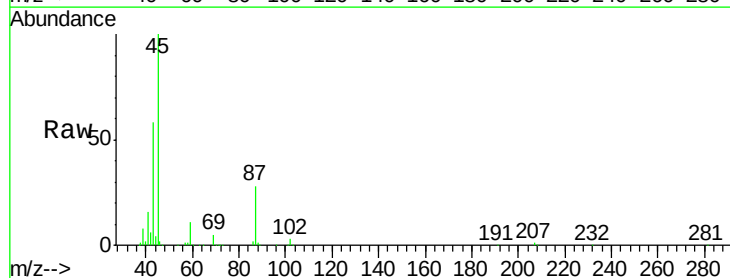
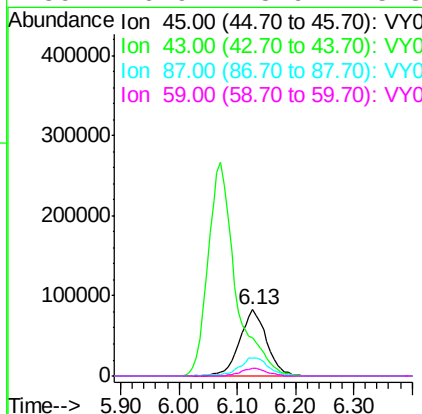
RT: 6.13 min Scan# 720

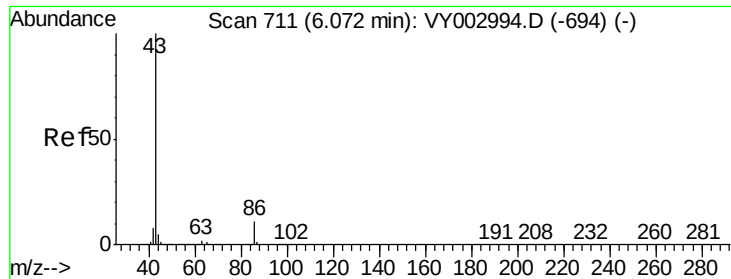
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	45	Resp:	267403
Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.5	71.3
87	27.9	23.3	34.9
59	10.9	8.9	13.3





#23

Vinyl Acetate

Concen: 108.612 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 874757

Ion Ratio Lower Upper

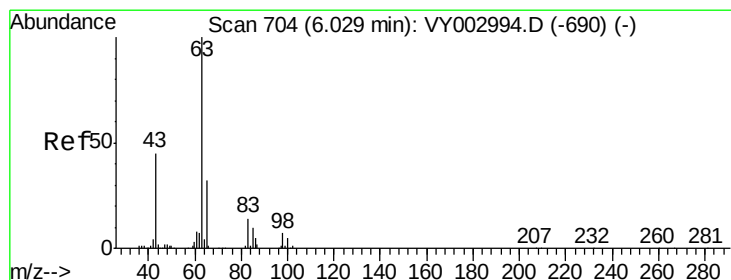
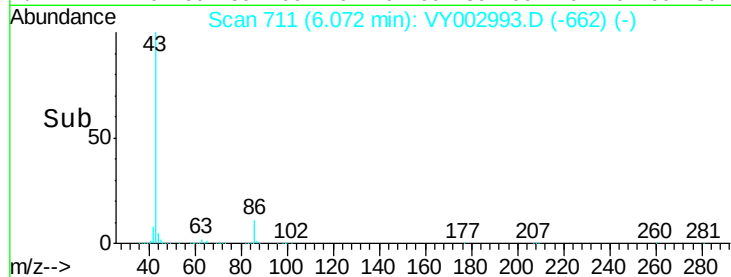
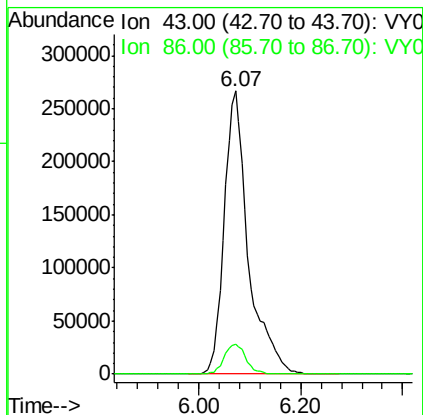
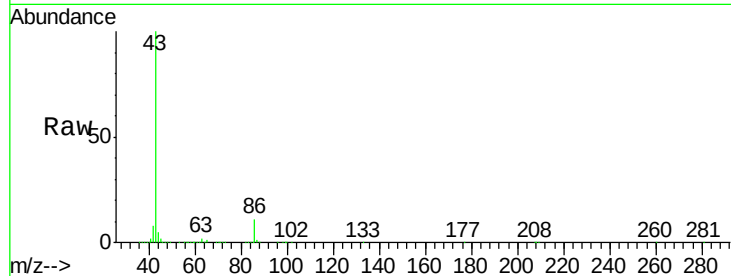
43 100

86 10.7 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 20.995 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

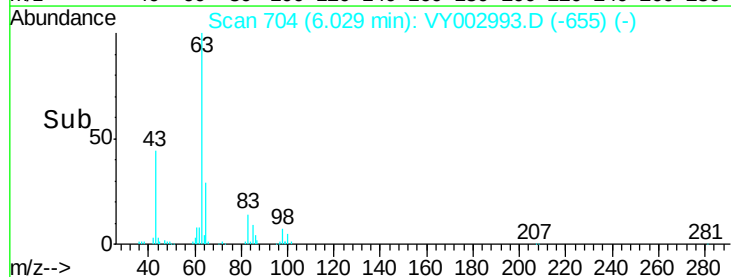
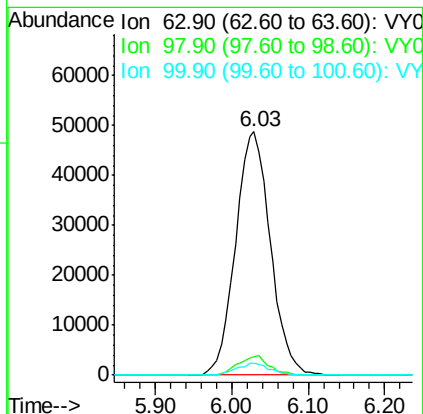
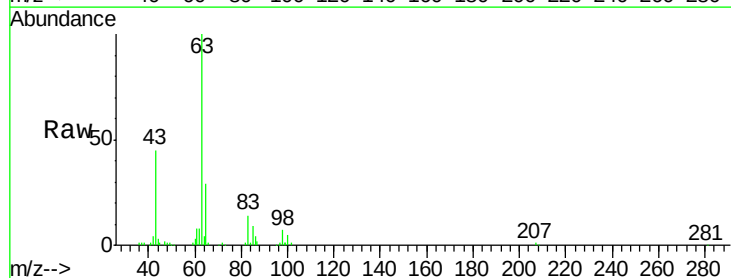
Tgt Ion: 63 Resp: 153663

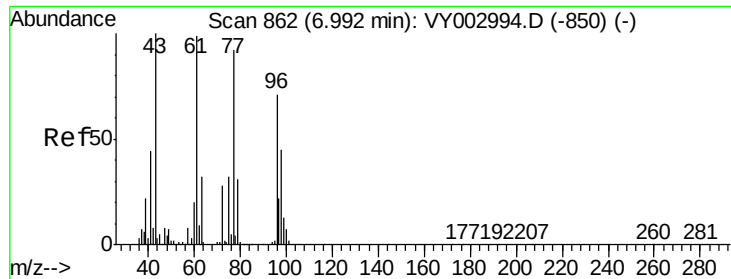
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.8 2.4 7.1





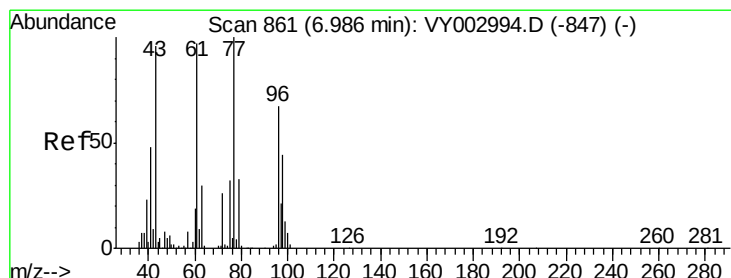
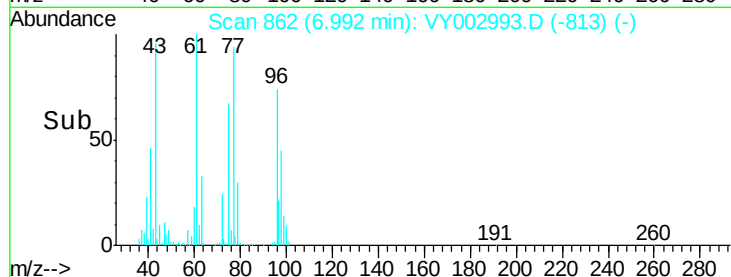
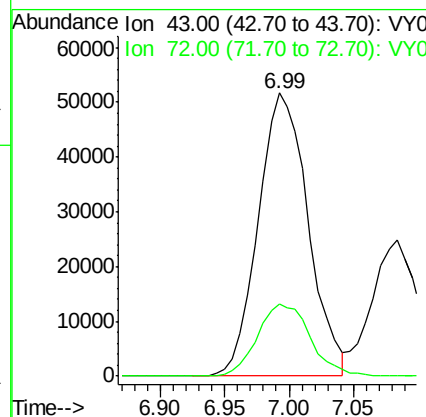
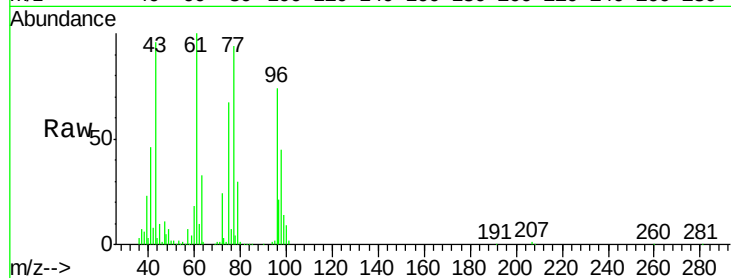
#25
2-Butanone
Concen: 91.276 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
72	25.3	22.3	33.5	

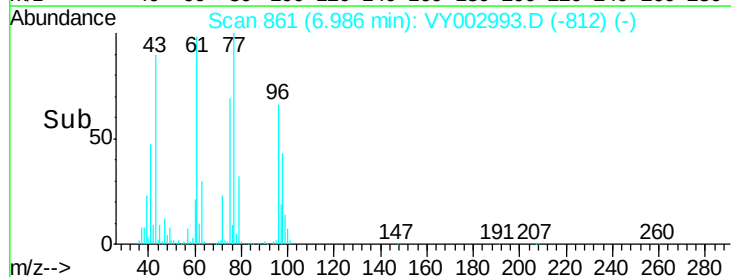
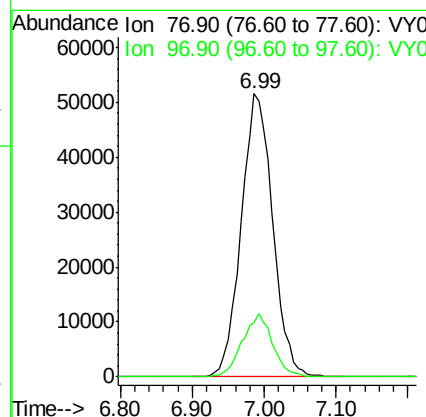
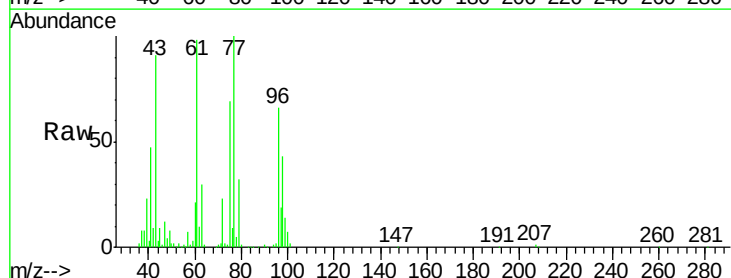
Manual Integrations
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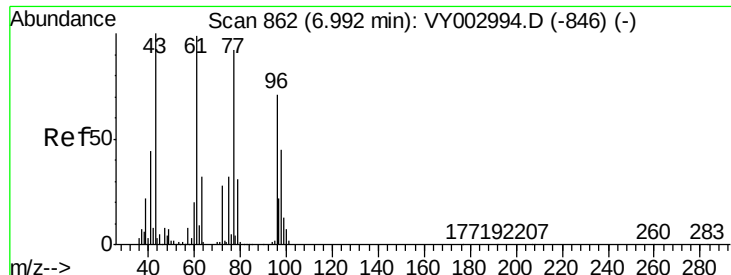
MMDadoda
6/26/2020 11:22:14 AM



#26
2,2-Dichloropropane
Concen: 22.533 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ion	Ratio	Lower	Upper
77	100			
97	21.3	11.1	33.3	





#27

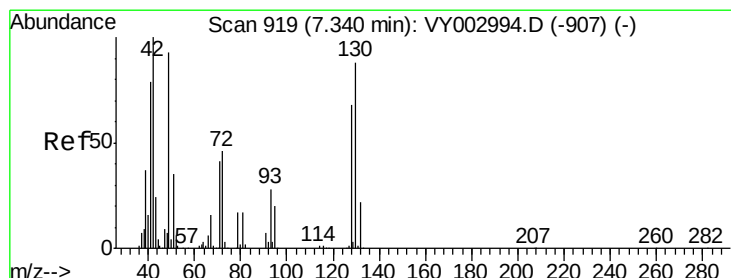
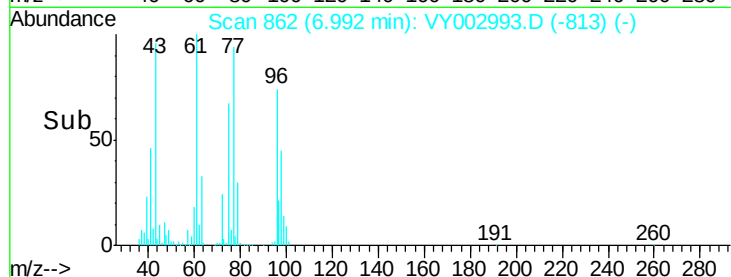
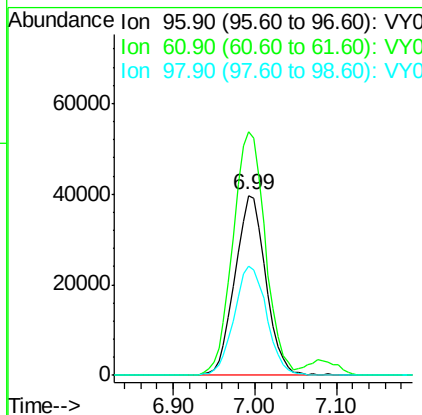
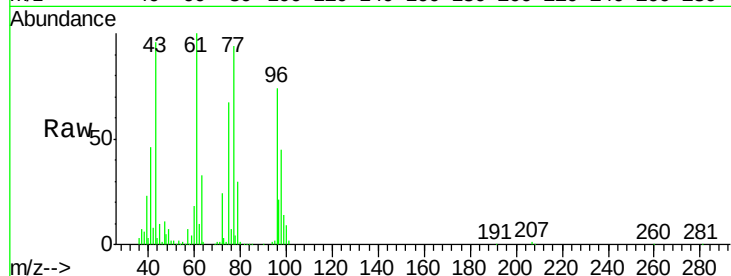
cis-1,2-Dichloroethene
Concen: 20.235 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	279.0
98	63.7	0.0	128.2

Manual Integrations
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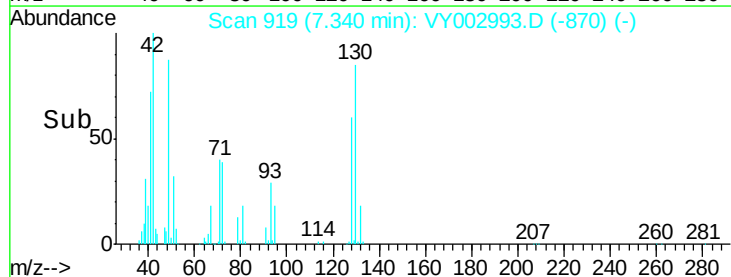
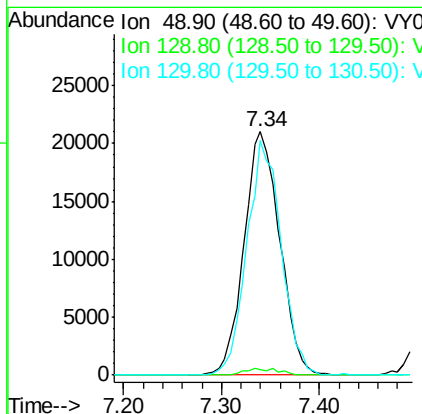
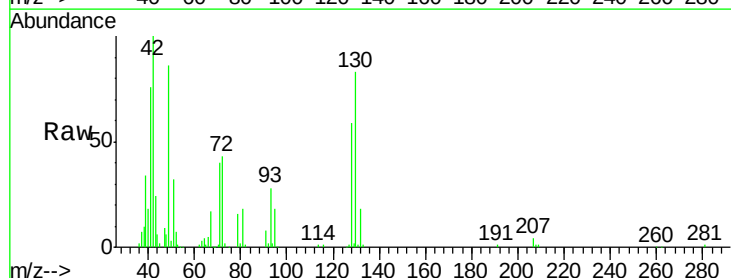
MMDadoda
6/26/2020 11:22:14 AM

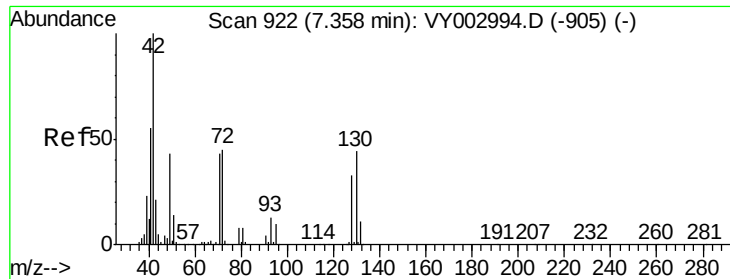


#28

Bromochloromethane
Concen: 17.603 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	92.8	73.8	110.8





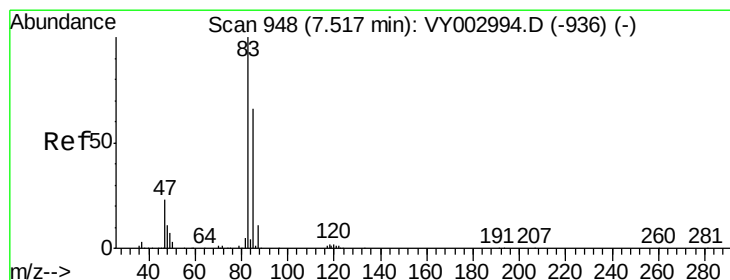
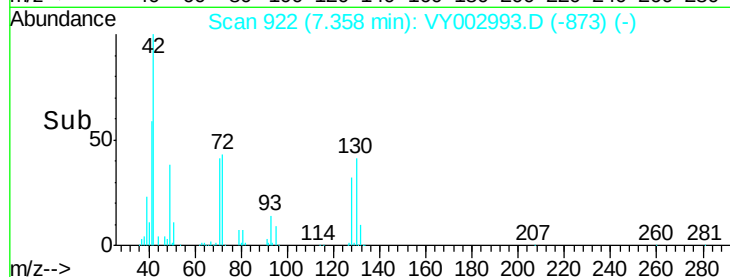
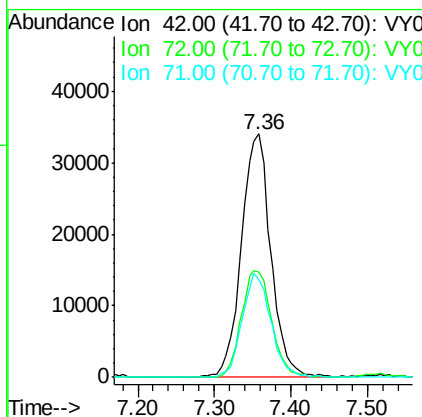
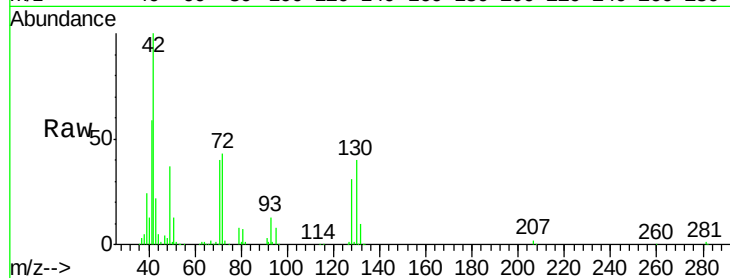
#29
Tetrahydrofuran
Concen: 92.169 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.2	54.4
71	41.5	34.2	51.2

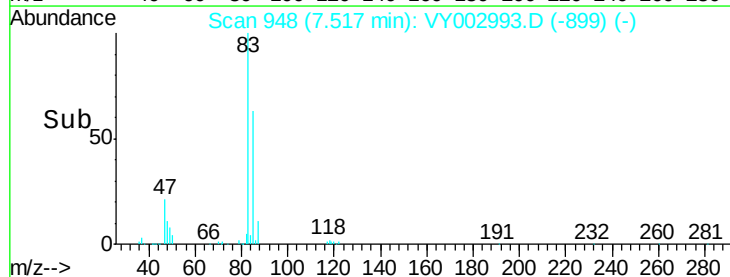
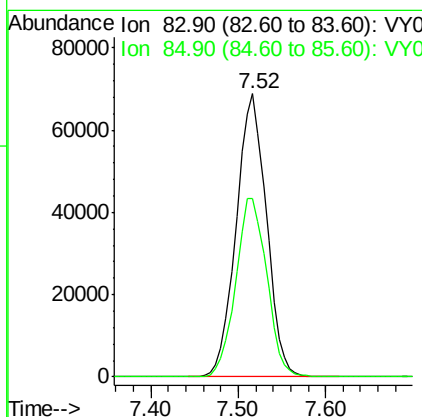
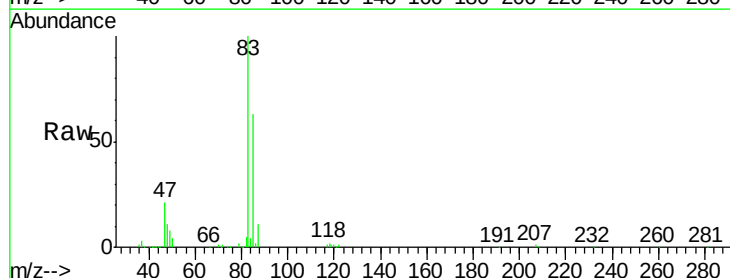
Manual Integrations
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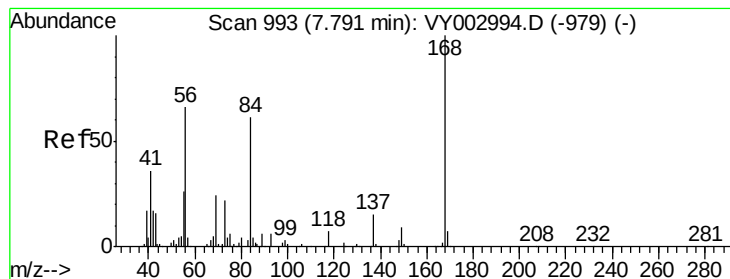
MMDadoda
6/26/2020 11:22:14 AM



#30
Chloroform
Concen: 21.575 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8





#31

Cyclohexane

Concen: 20.669 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 146339

Ion Ratio Lower Upper

56 100

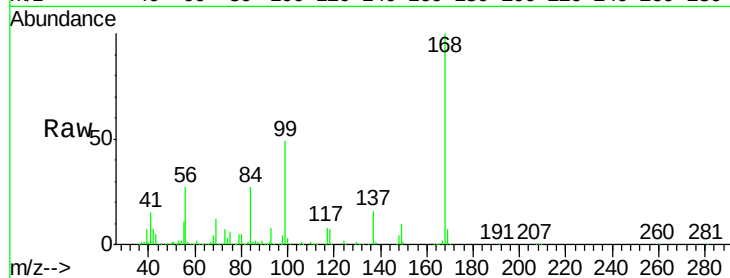
69 43.5 28.6 43.0#

84 97.8 74.0 111.0

Manual Integrations
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MMDadoda

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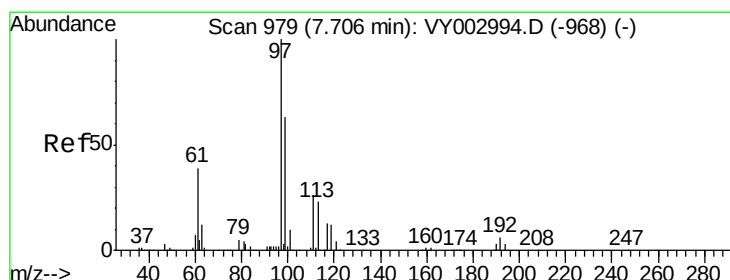
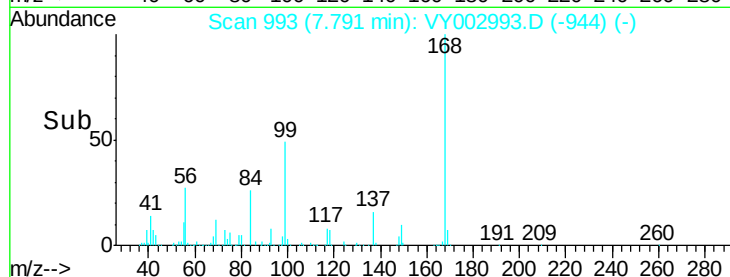
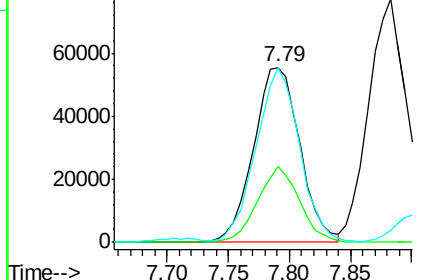


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 22.437 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

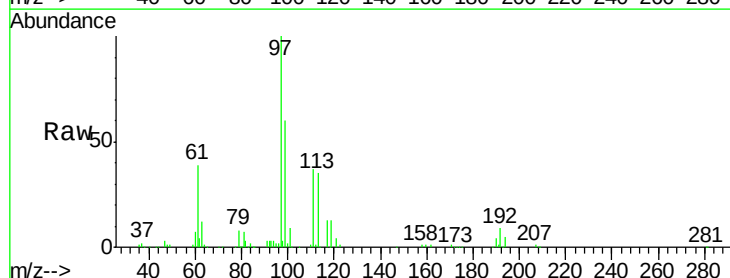
Tgt Ion: 97 Resp: 159733

Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 39.0 31.0 46.6

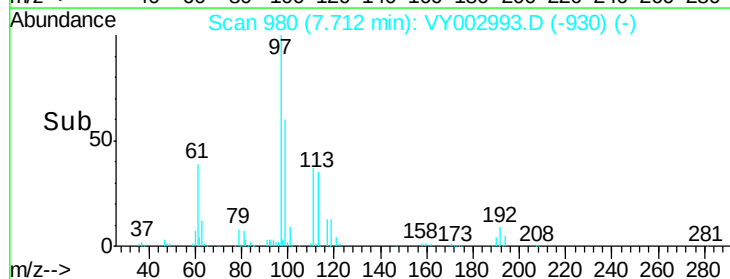
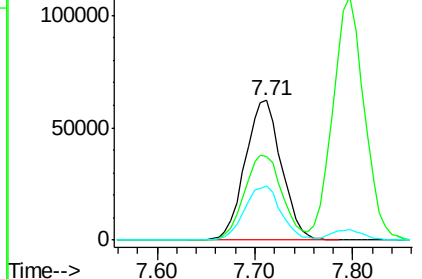


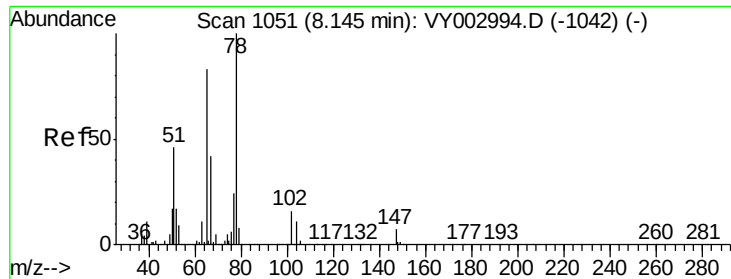
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





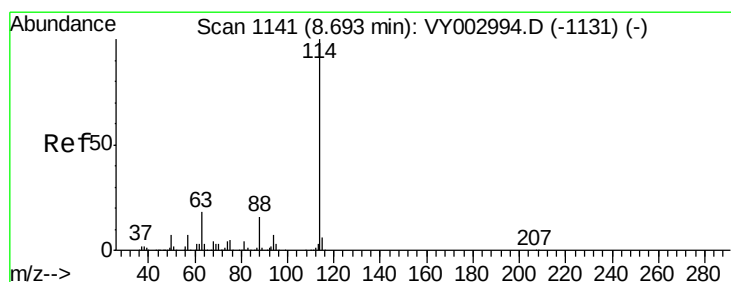
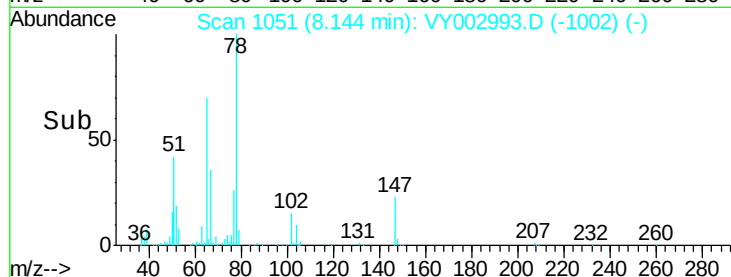
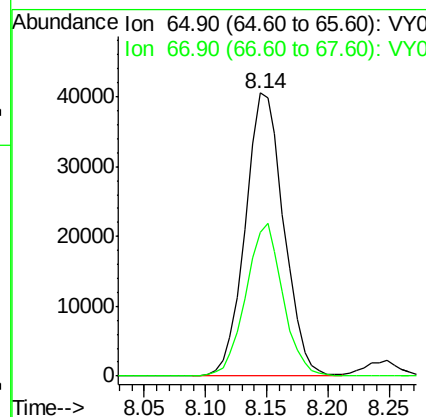
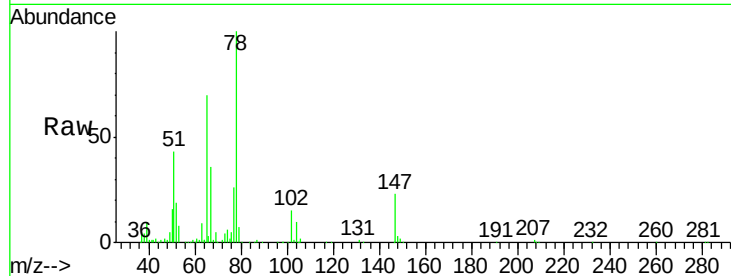
#33
 1,2-Dichloroethane-d4
 Concen: 21.730 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.2

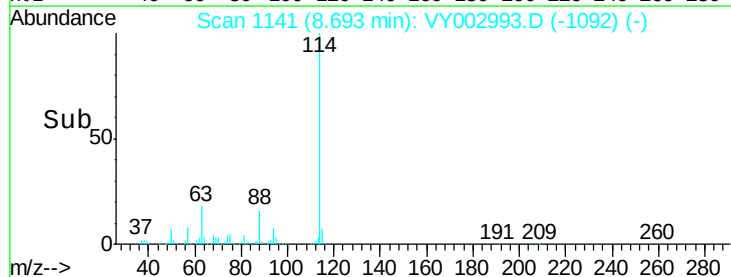
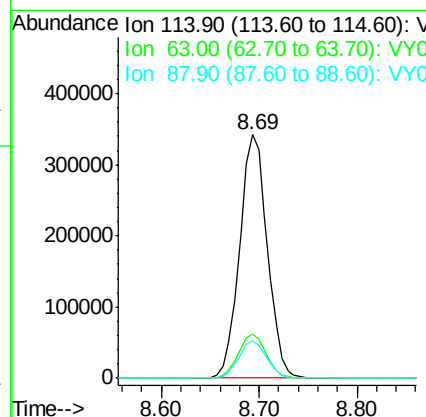
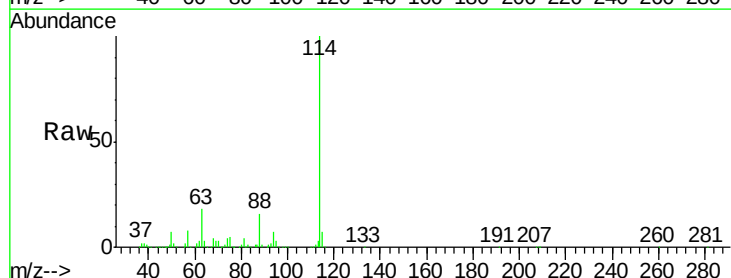
Manual Integrations
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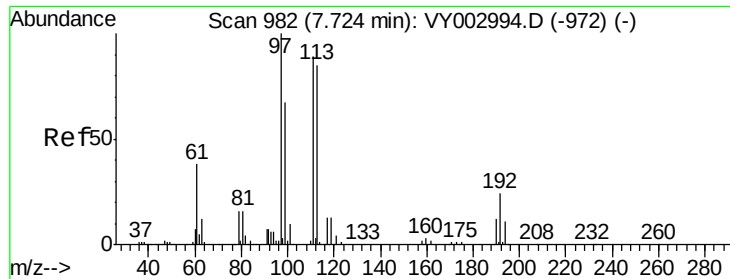
MMDadoda
 6/26/2020 11:22:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.8
88	15.7	0.0	31.6





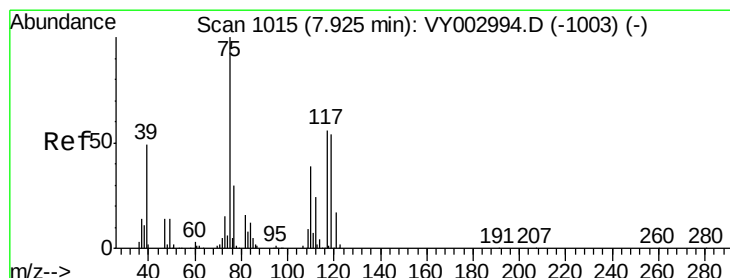
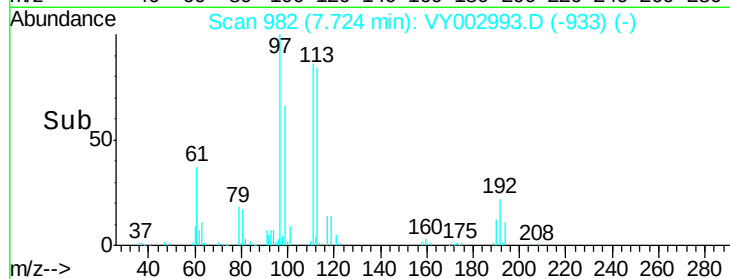
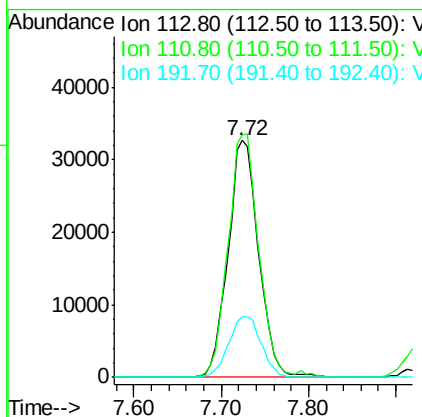
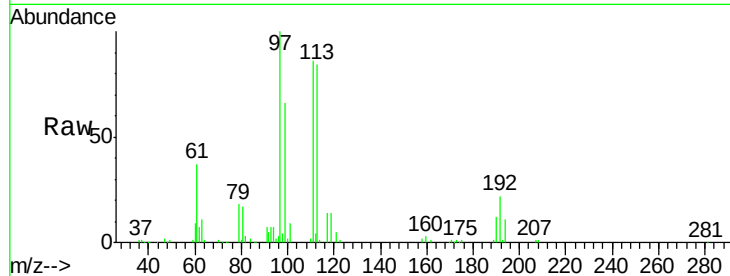
#35
Dibromofluoromethane
Concen: 20.519 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.2	121.8
192	27.1	21.1	31.7

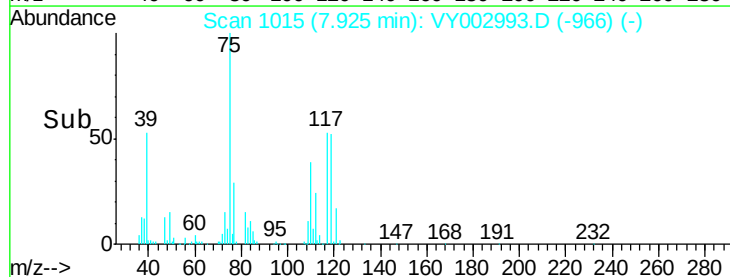
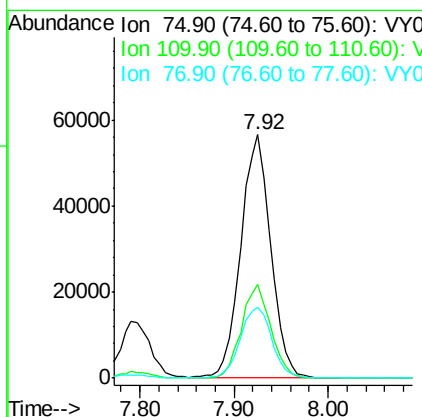
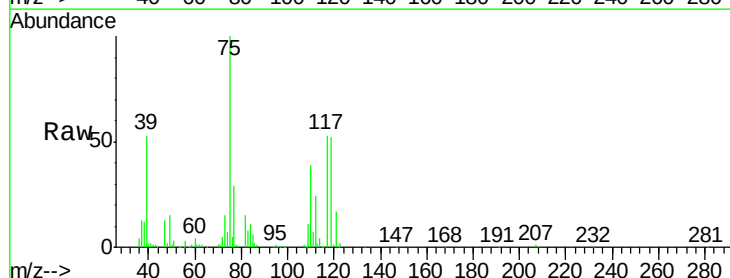
Manual Integrations
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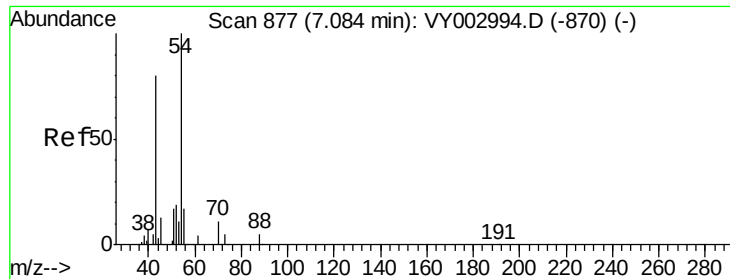
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.291 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.9	56.9
77	30.7	24.3	36.5





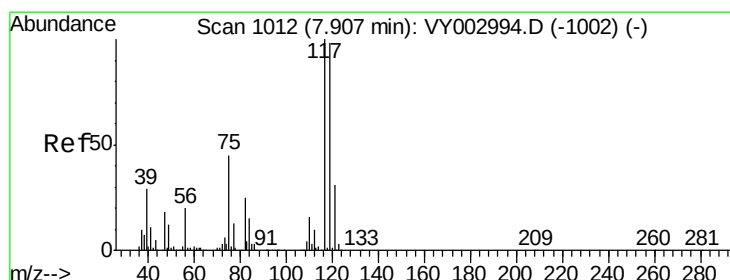
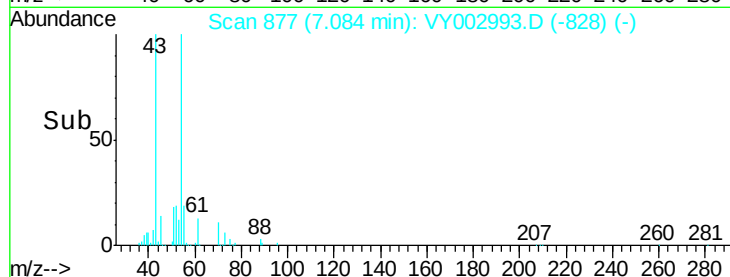
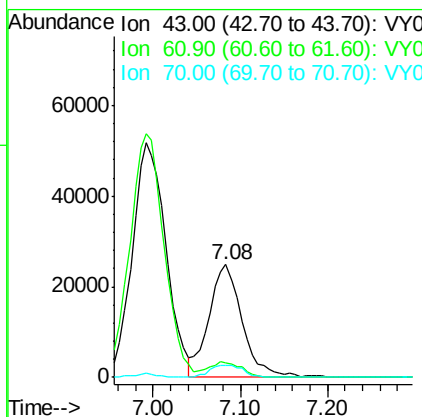
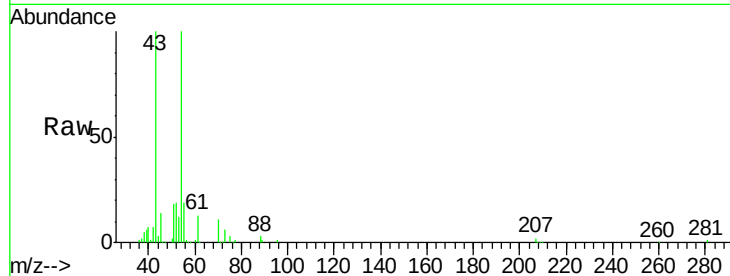
#37
Ethyl Acetate
Concen: 20.536 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	11.2	9.0	13.4

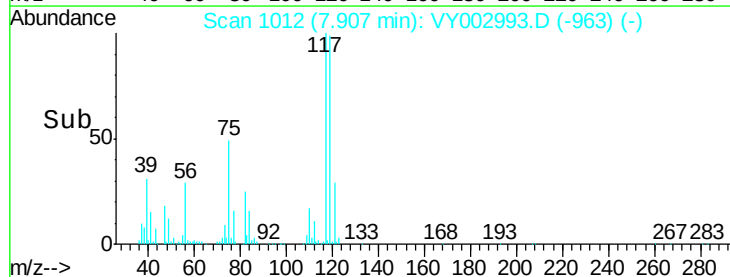
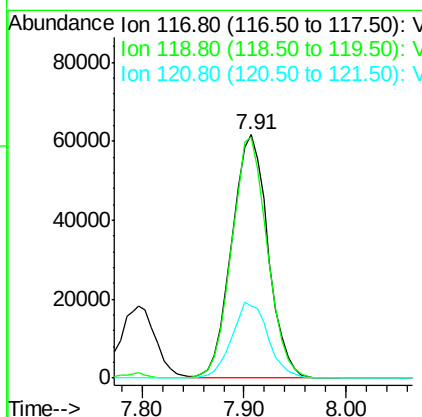
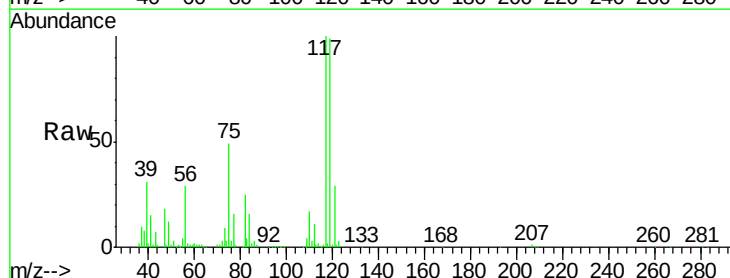
Manual Integrations
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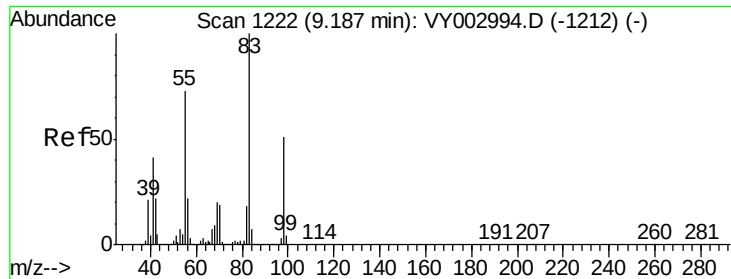
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#38
Carbon Tetrachloride
Concen: 23.756 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	78.2	117.4
121	29.5	24.5	36.7





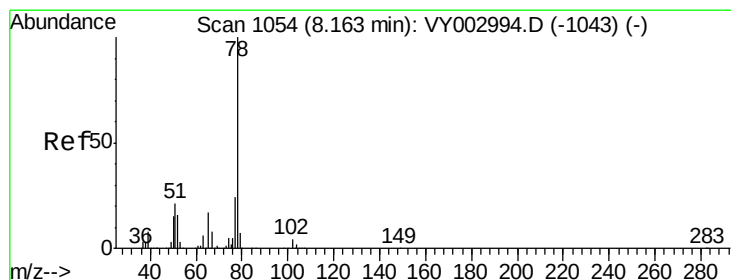
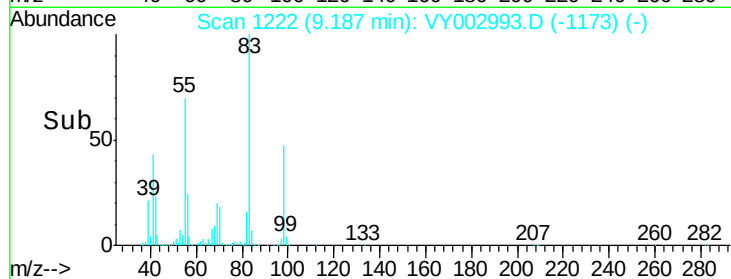
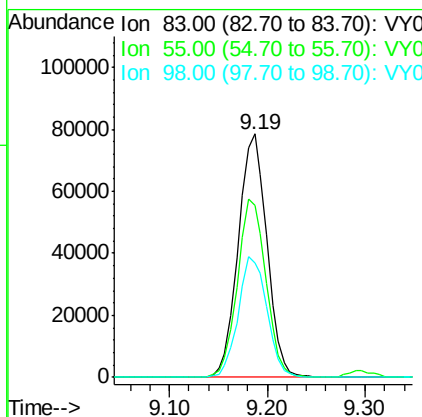
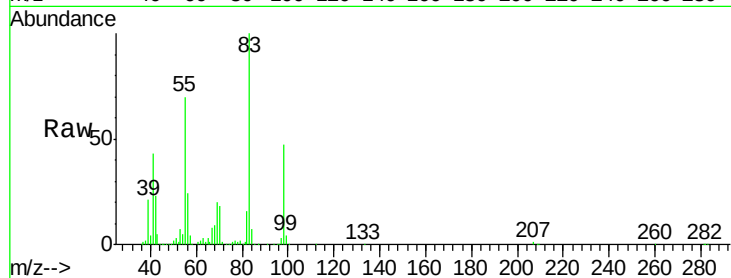
#39
Methylvlcyclohexane
Concen: 22.122 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	58.6	87.8
98	46.8	41.0	61.6

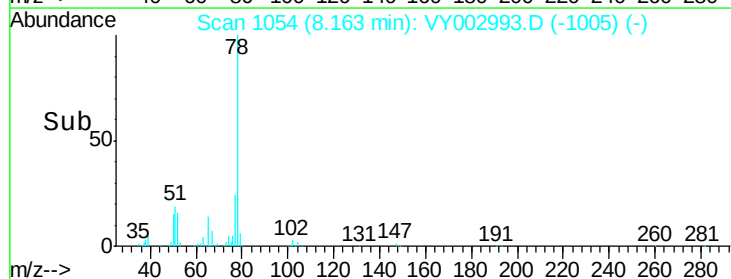
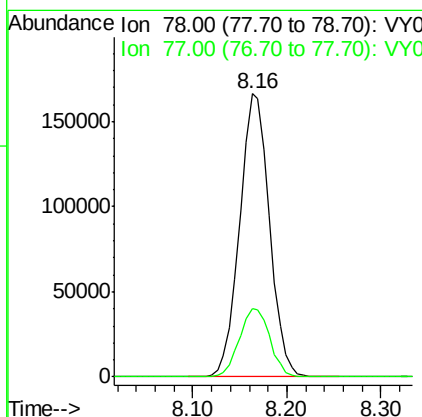
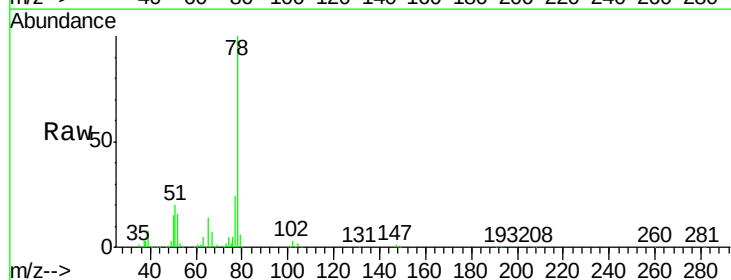
Manual Integrations
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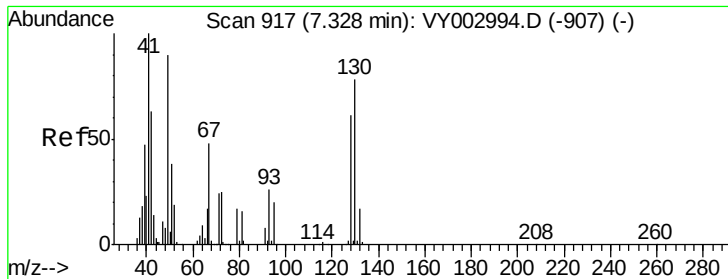
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#40
Benzene
Concen: 22.684 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





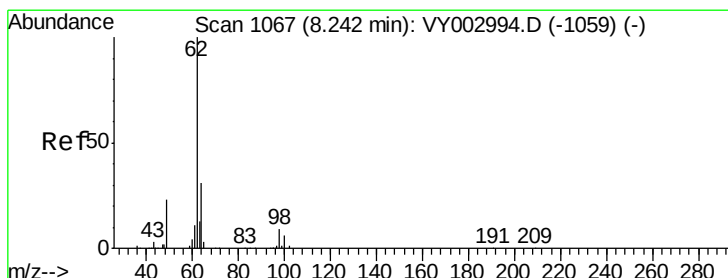
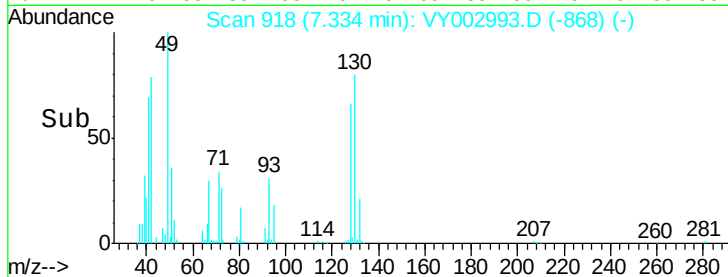
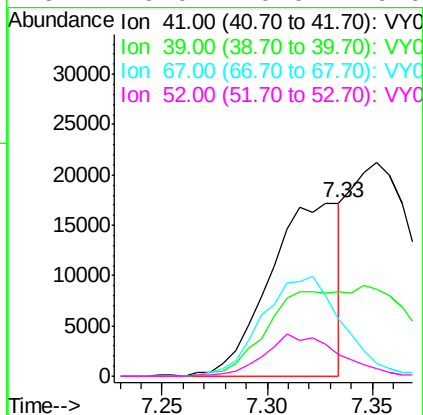
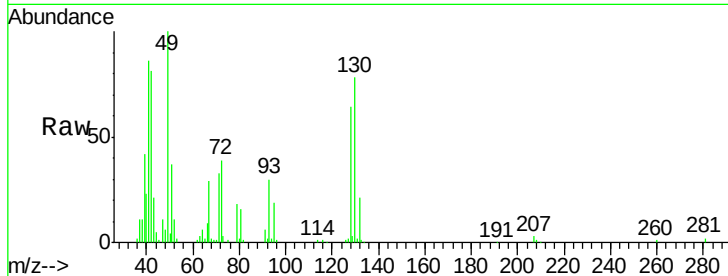
#41
Methacrylonitrile
Concen: 26.299 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	40471		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

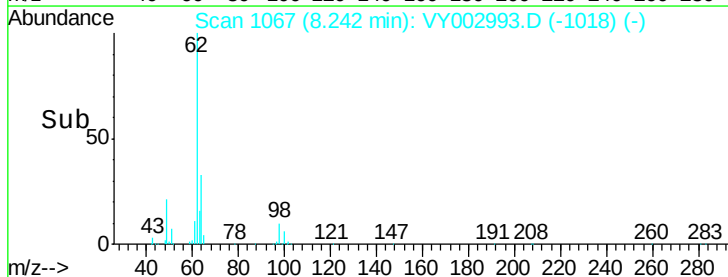
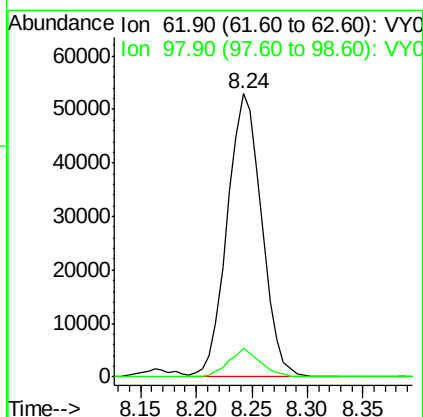
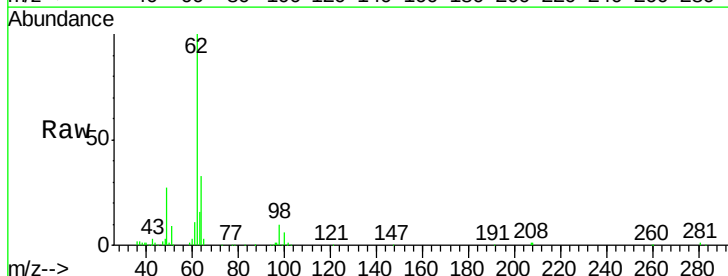
Manual Integrations
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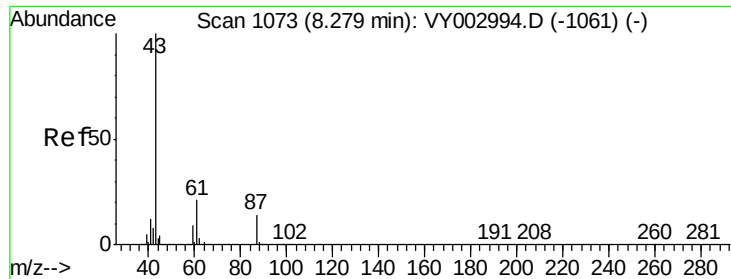
MMDadoda
6/26/2020 11:22:14 AM



#42
1,2-Dichloroethane
Concen: 24.455 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	113663		
98	9.3	0.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.945 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

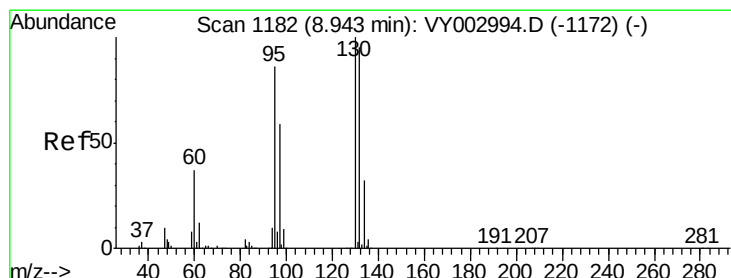
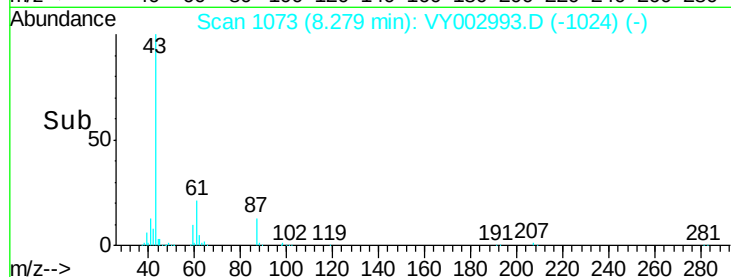
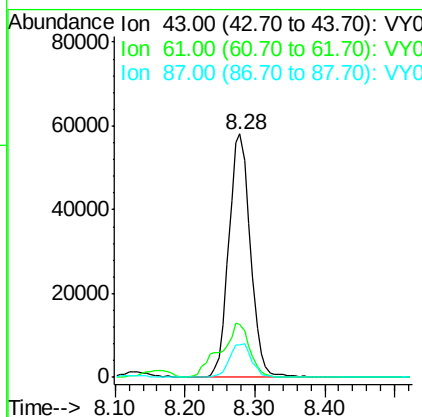
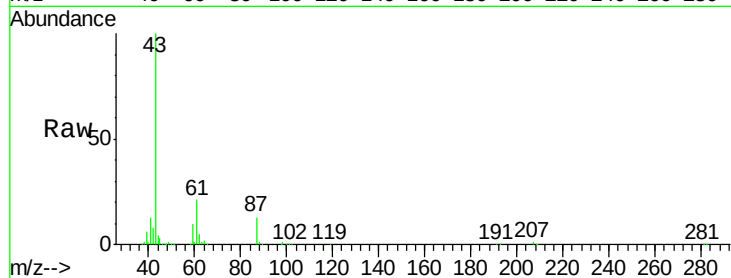
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	124963
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.2	34.8
87	14.1	11.4	17.2

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#44

Trichloroethene

Concen: 21.799 ug/l

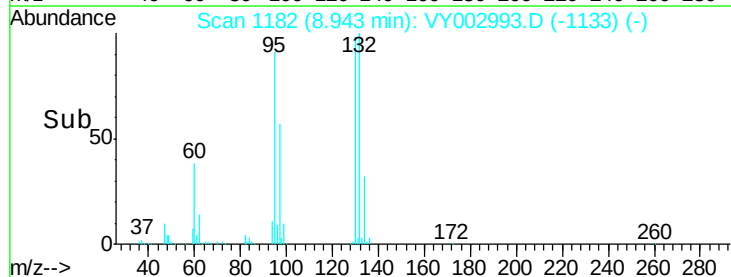
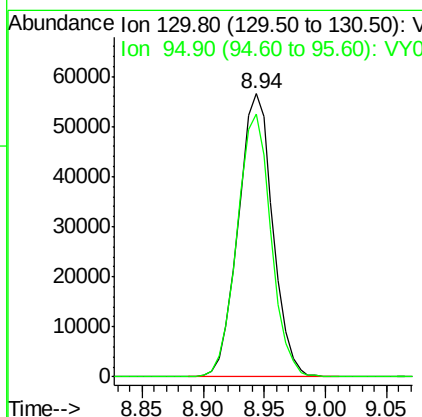
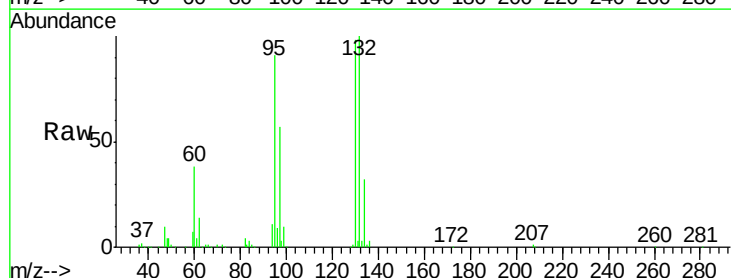
RT: 8.94 min Scan# 1182

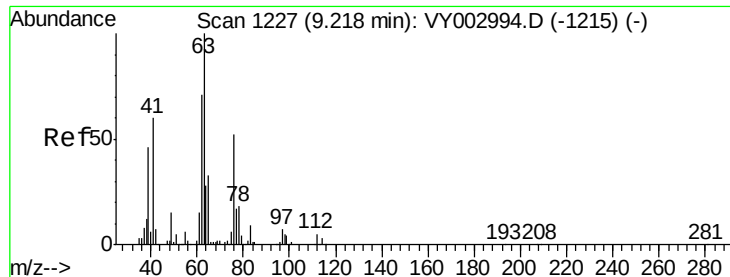
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	130	Resp:	110716
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	171.4





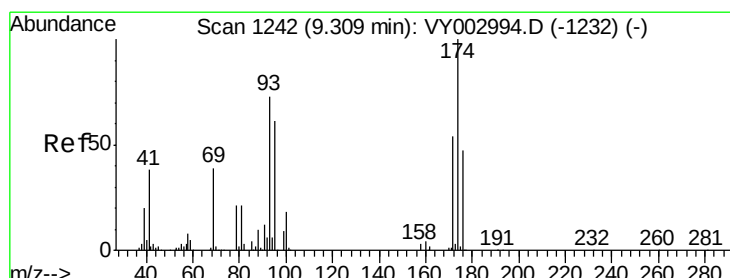
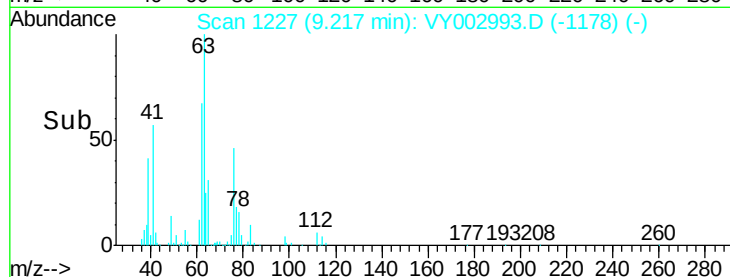
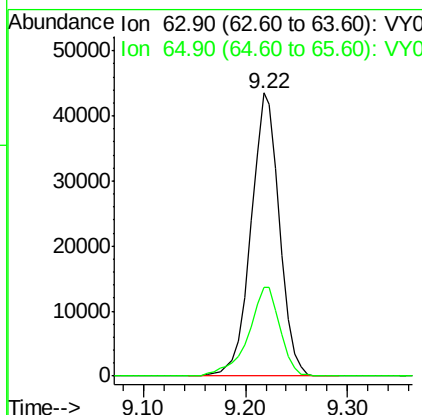
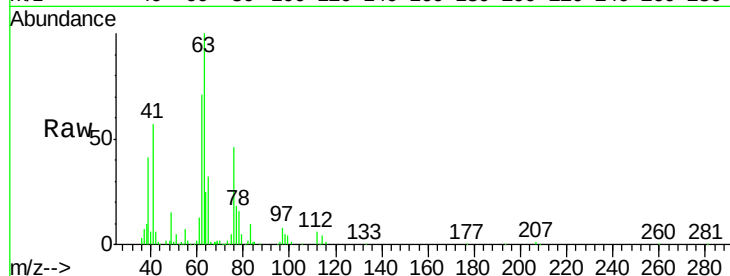
#45
 1,2-Dichloropropane
 Concen: 21.734 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Resp	84602
Ion Ratio	Lower	Upper	
63	100		
65	31.5	26.2	39.4

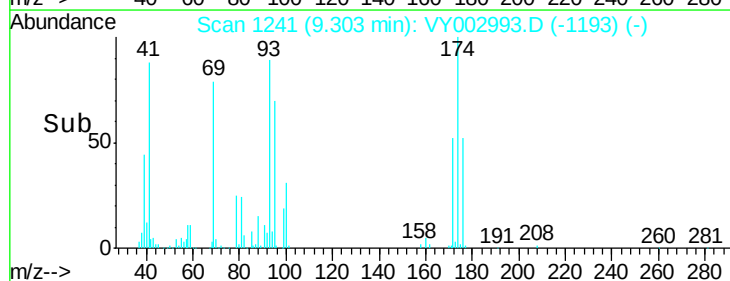
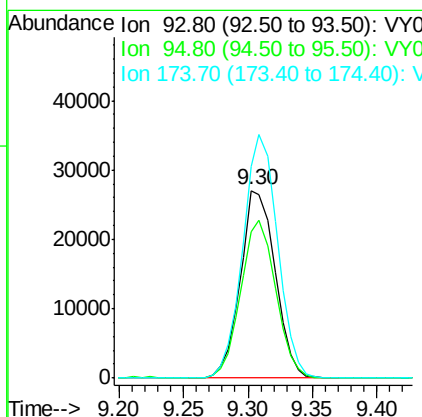
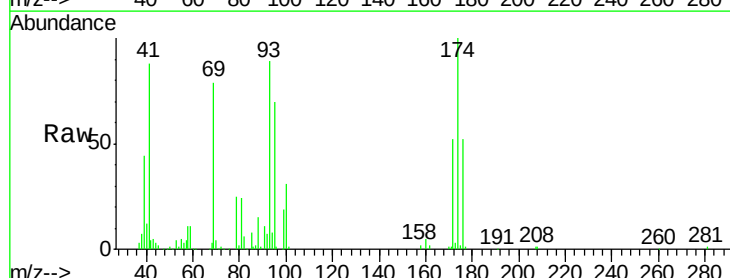
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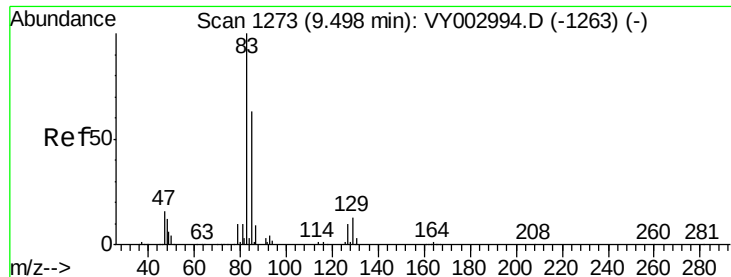
MMDadoda
 6/26/2020 11:22:14 AM



#46
 Dibromomethane
 Concen: 21.668 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	93	Resp	50614
Ion Ratio	Lower	Upper	
93	100		
95	84.7	66.2	99.2
174	129.4	109.8	164.8





#47

Bromodichloromethane

Concen: 21.669 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

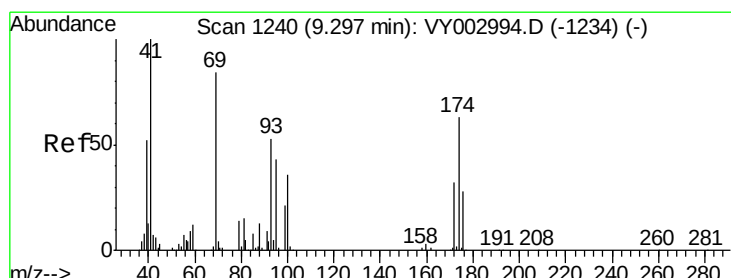
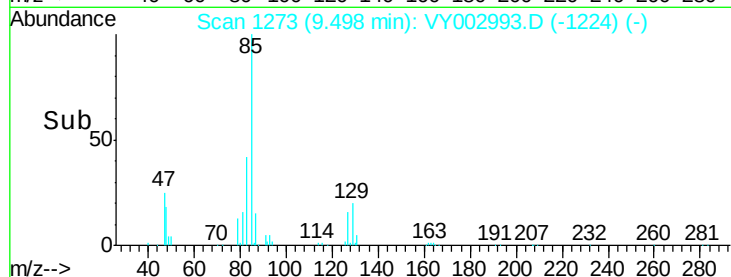
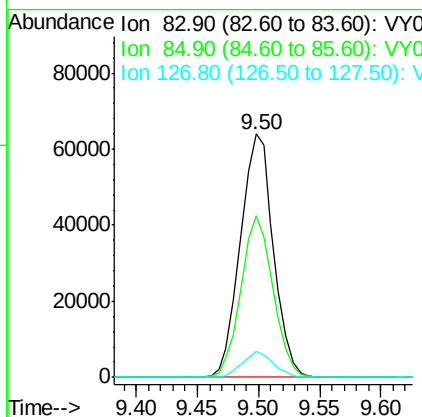
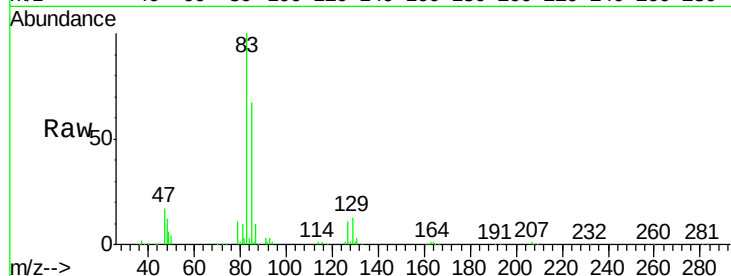
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	119527
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.2	75.4
127	10.7	7.8	11.6

Manual Integrations
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MMDadoda
6/26/2020 11:22:14 AM



#48

Methyl methacrylate

Concen: 22.595 ug/l

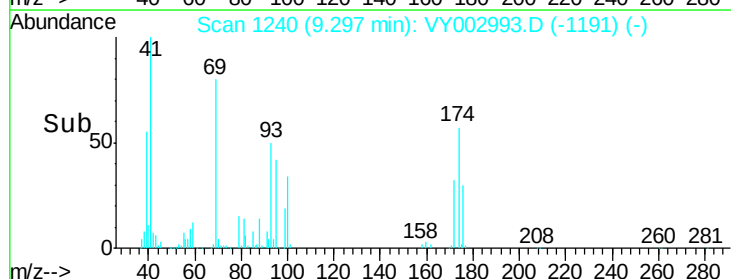
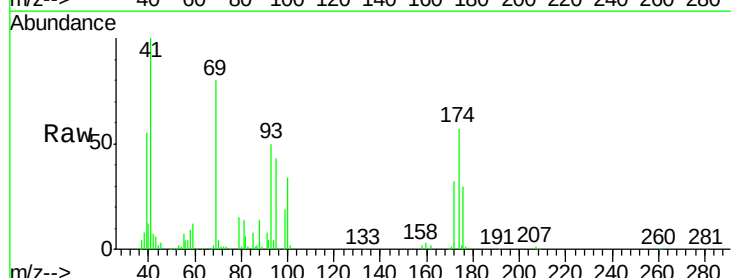
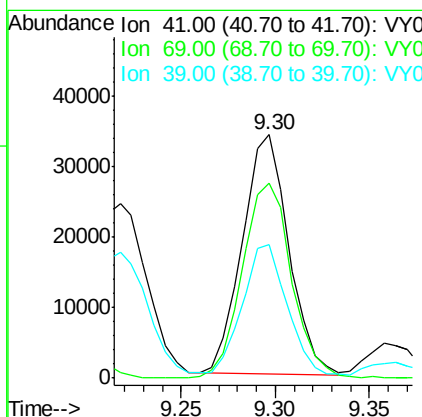
RT: 9.30 min Scan# 1240

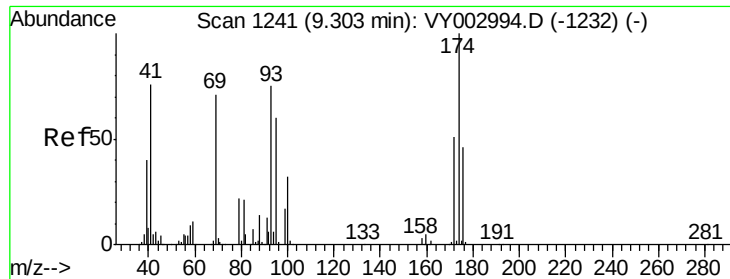
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	41	Resp:	58150
Ion	Ratio	Lower	Upper
41	100		
69	86.7	70.2	105.2
39	55.3	45.0	67.6





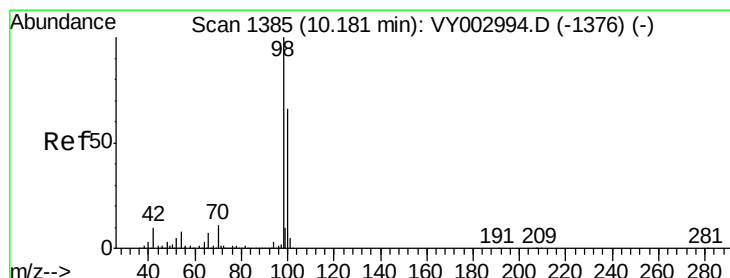
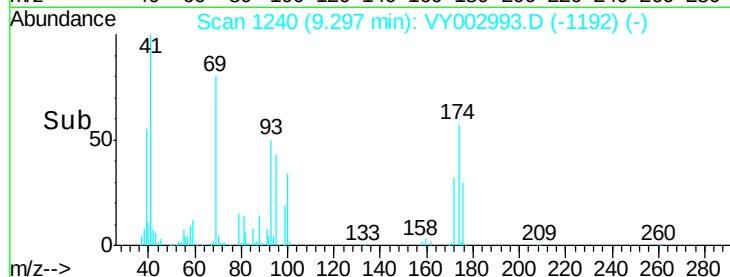
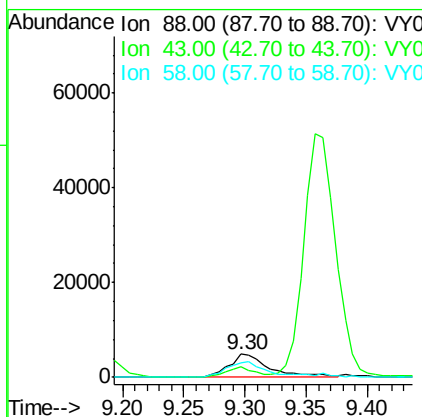
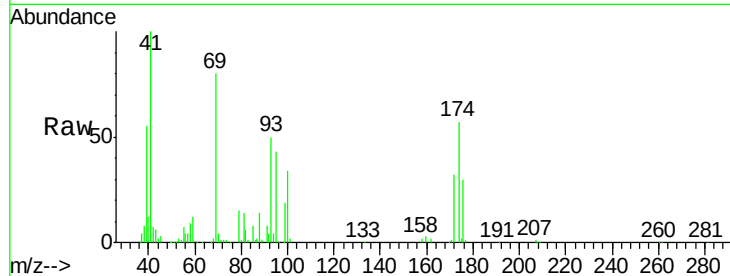
#49
1,4-Dioxane
Concen: 343.613 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	11392
Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	39.8
58	68.3	50.6	75.8

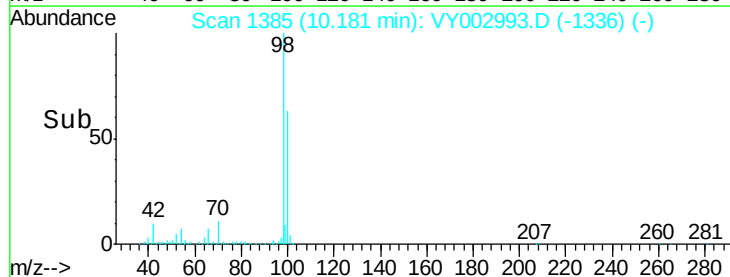
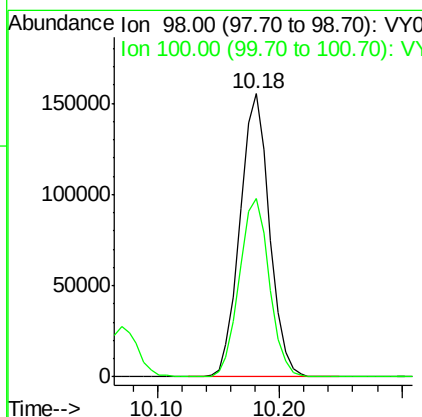
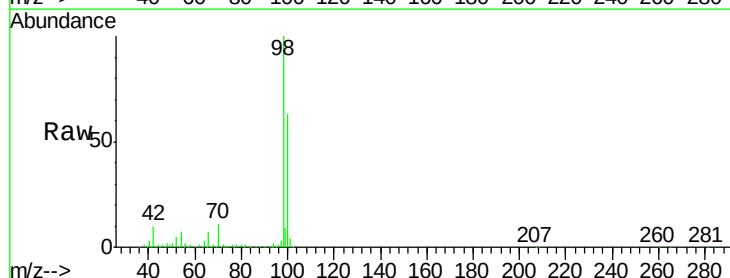
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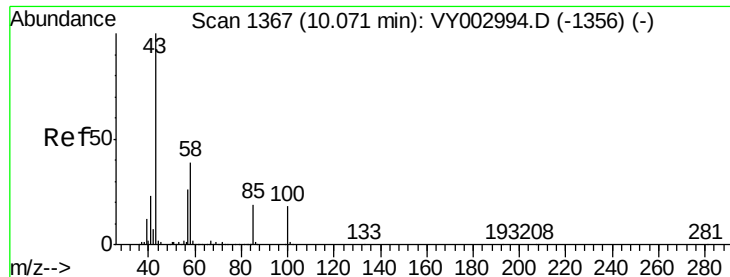
MMDadoda
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#50
Toluene-d8
Concen: 16.924 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	98	Resp	258776
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 83.774 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 261997

Ion Ratio Lower Upper

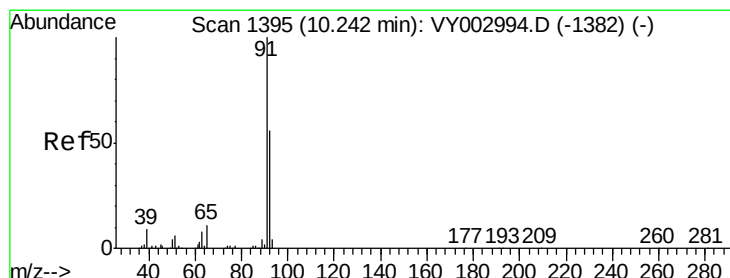
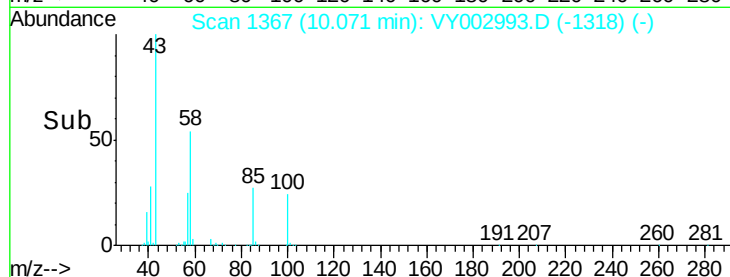
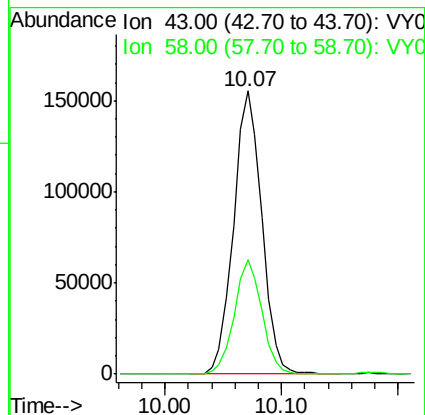
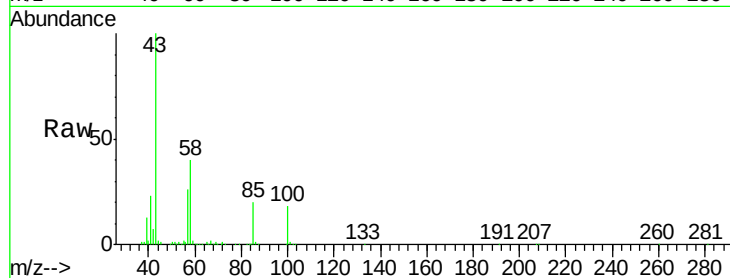
43 100

58 39.4 31.4 47.0

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#52

Toluene

Concen: 18.189 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY002993.D

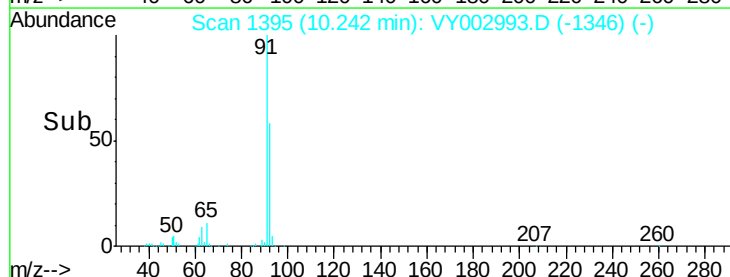
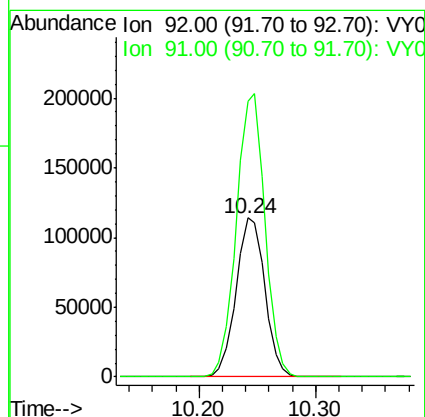
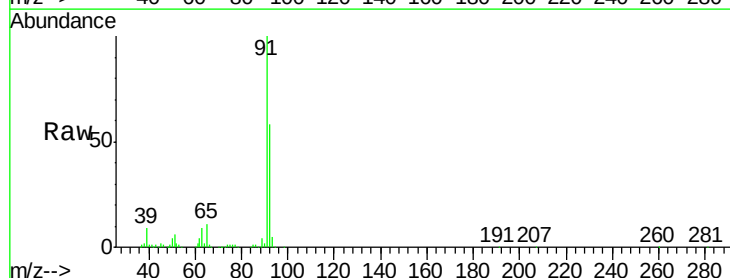
Acq: 25 Jun 2020 12:11

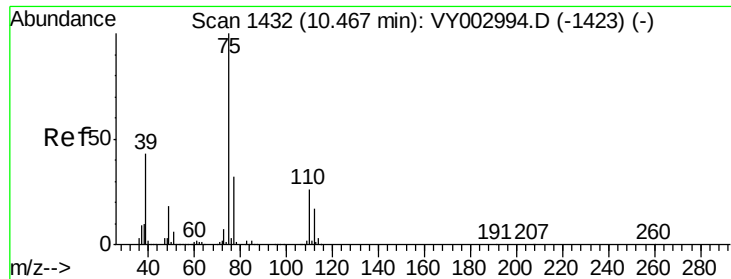
Tgt Ion: 92 Resp: 197479

Ion Ratio Lower Upper

92 100

91 176.3 140.7 211.1





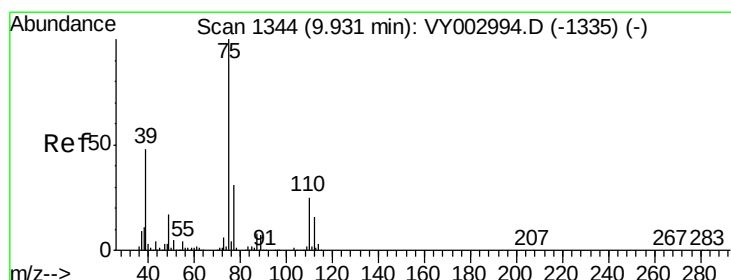
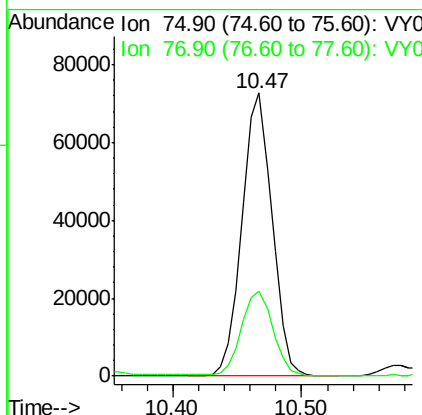
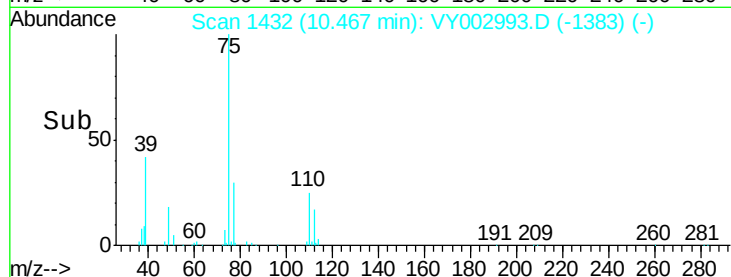
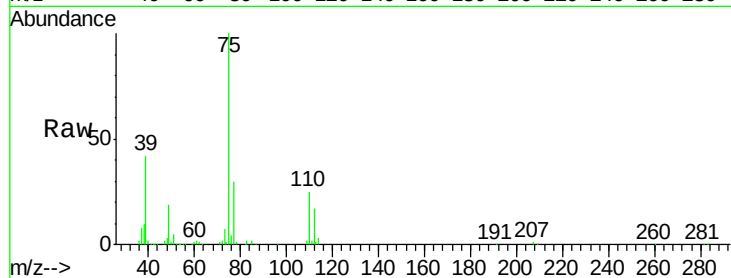
#53
t-1,3-Dichloropropene
Concen: 18.905 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 117198
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.2

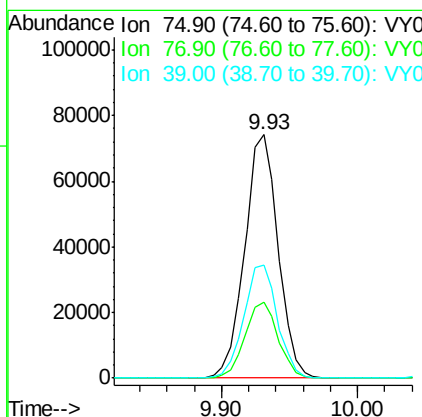
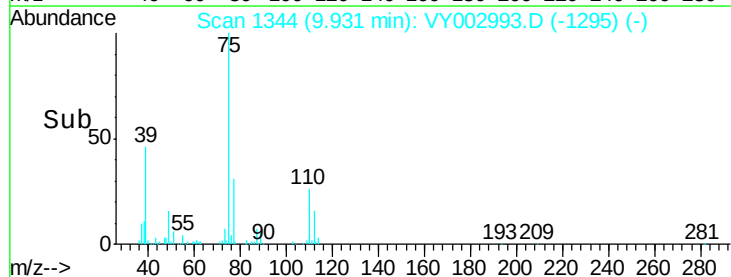
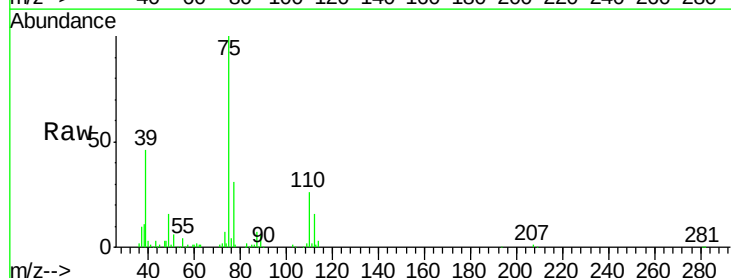
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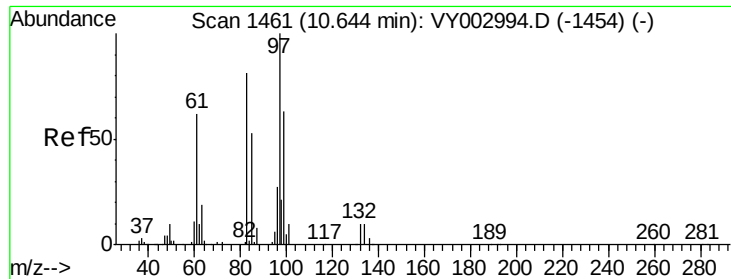
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#54
cis-1,3-Dichloropropene
Concen: 18.321 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion: 75 Resp: 127592
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 46.4 38.4 57.6





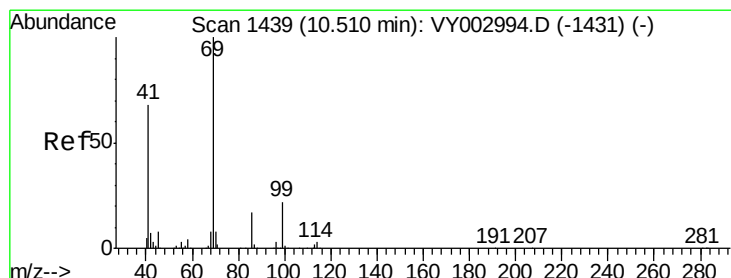
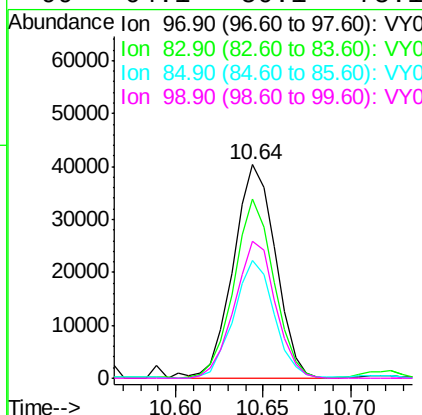
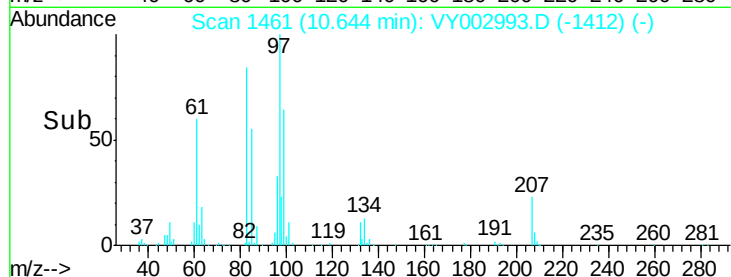
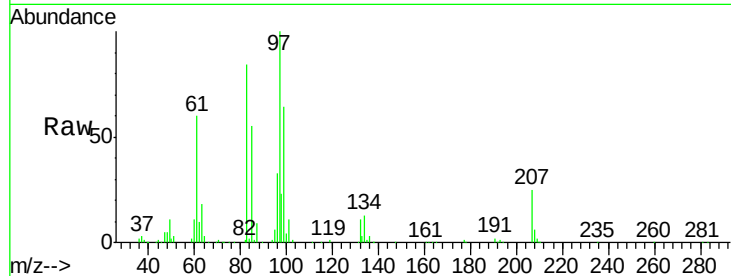
#55
 1,1,2-Trichloroethane
 Concen: 18.966 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	64.6	96.8
85	55.1	42.6	63.8
99	64.1	50.1	75.1

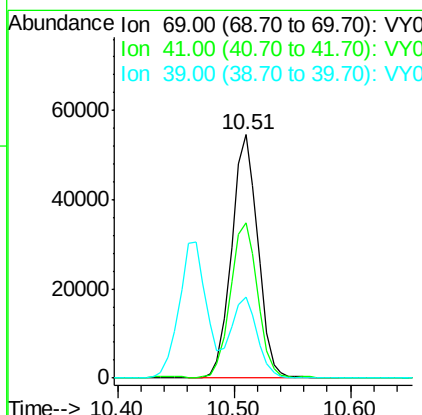
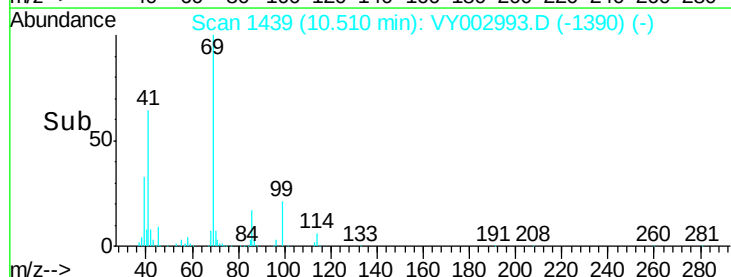
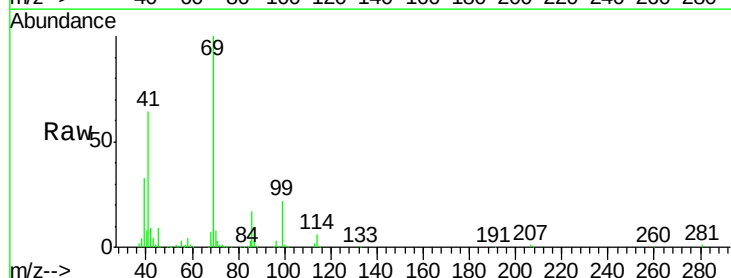
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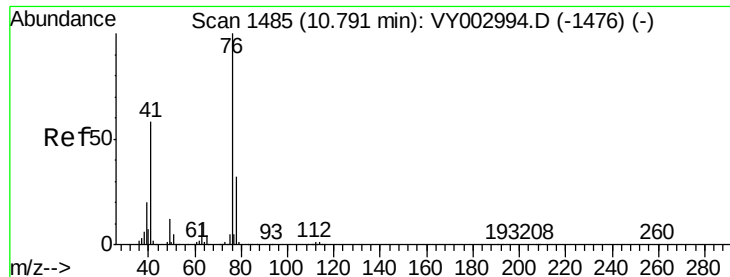
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#56
 Ethyl methacrylate
 Concen: 17.702 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.4	77.0
39	34.1	24.4	36.6





#57

1,3-Dichloropropane

Concen: 20.157 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 120927

Ion Ratio Lower Upper

76 100

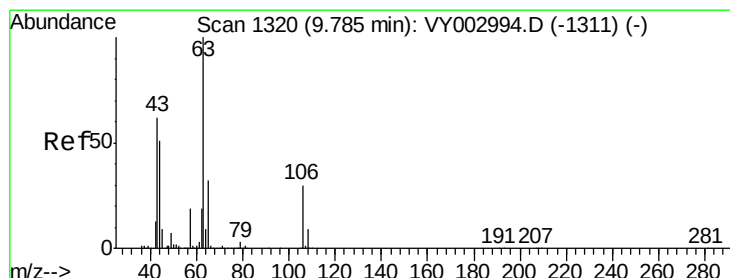
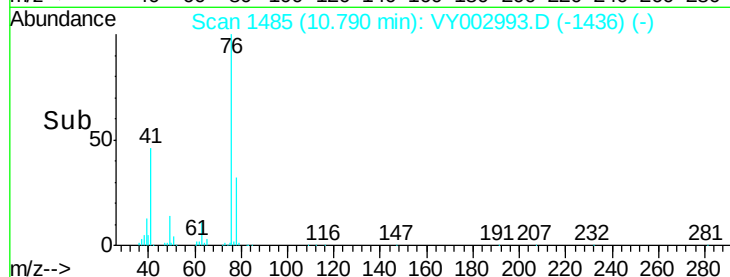
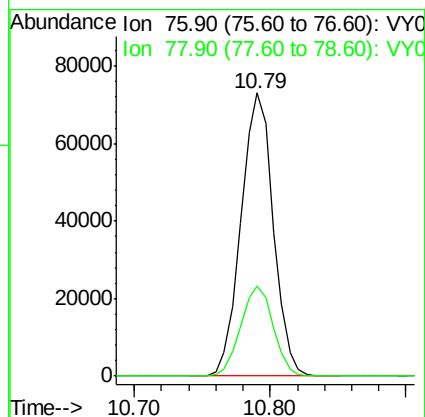
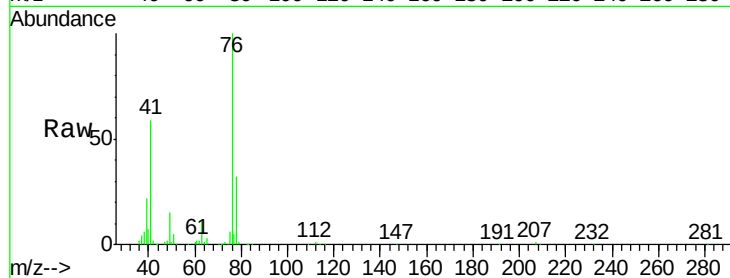
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 75.151 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002993.D

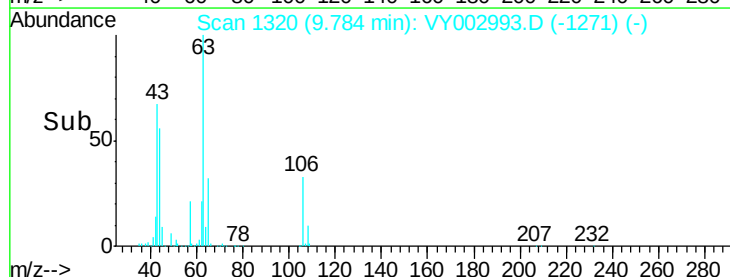
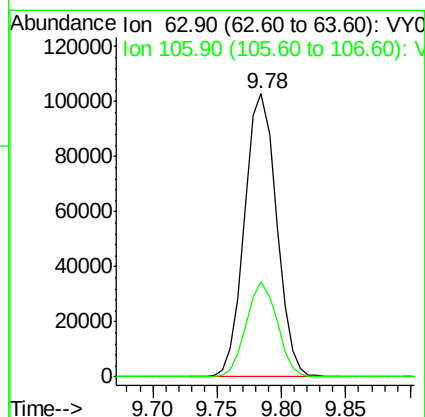
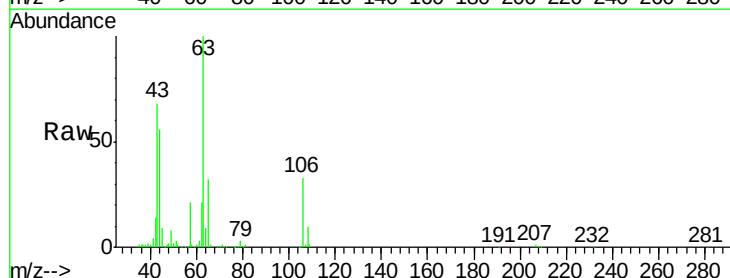
Acq: 25 Jun 2020 12:11

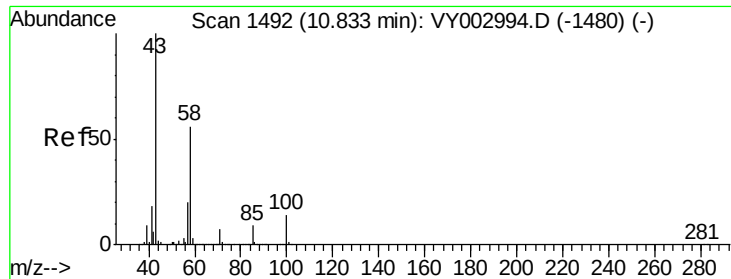
Tgt Ion: 63 Resp: 177066

Ion Ratio Lower Upper

63 100

106 32.7 25.3 37.9





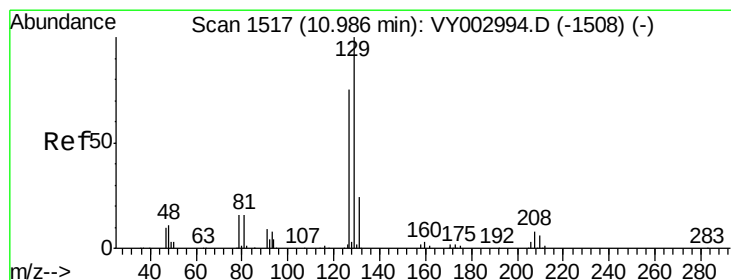
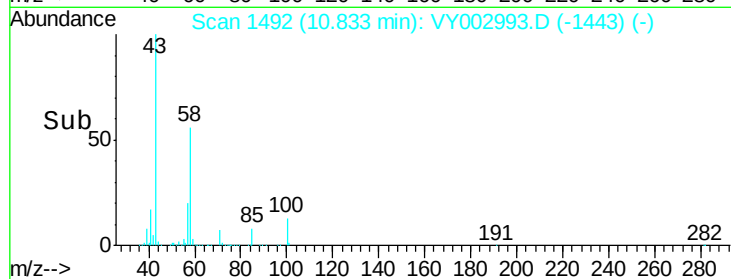
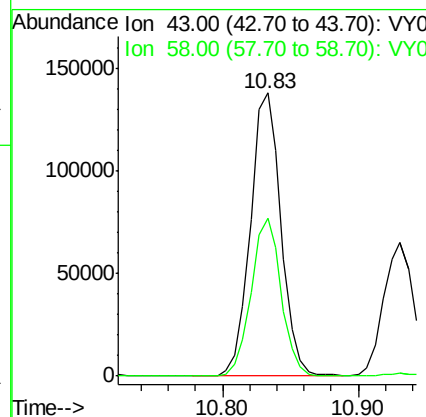
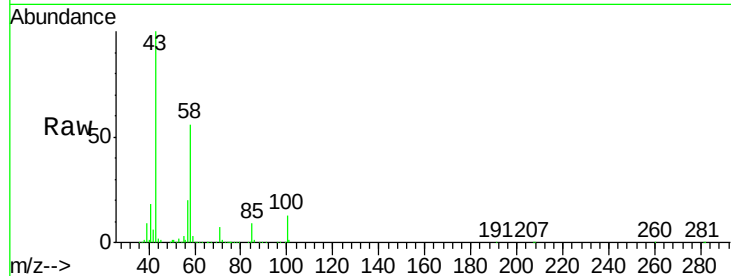
#59
2-Hexanone
Concen: 99.630 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 217407
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.0

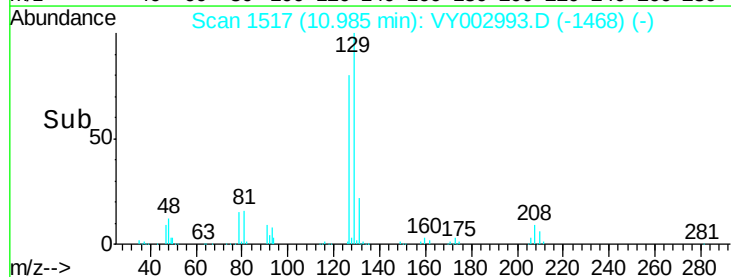
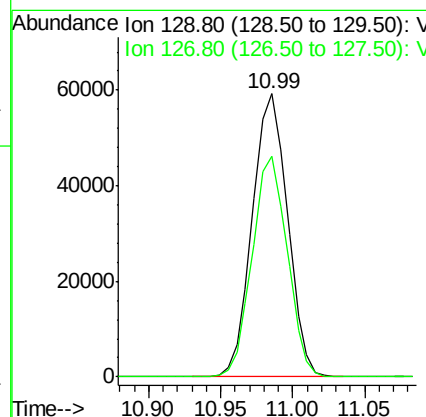
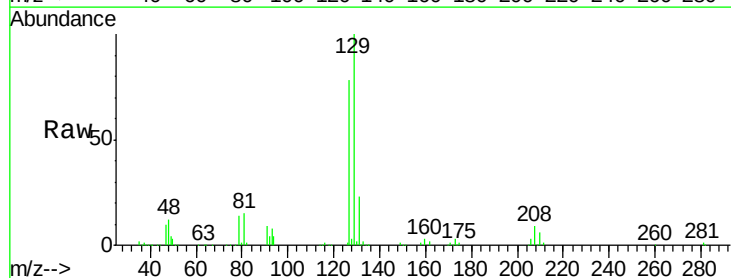
Manual Integrations
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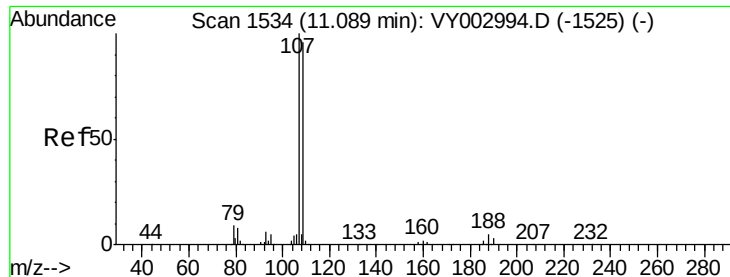
MMDadoda
6/26/2020 11:22:14 AM



#60
Dibromochloromethane
Concen: 21.673 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion: 129 Resp: 100111
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





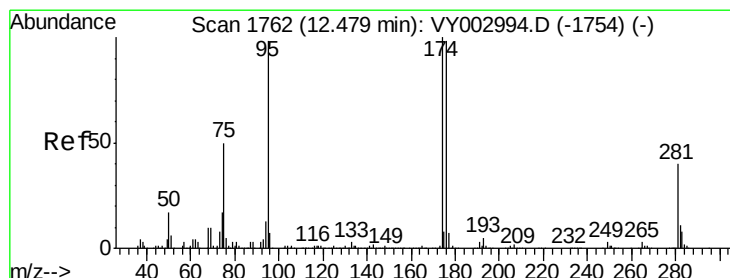
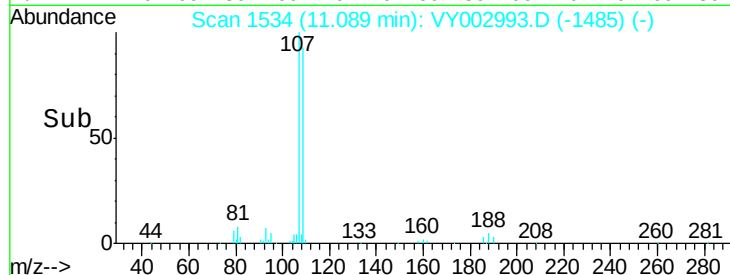
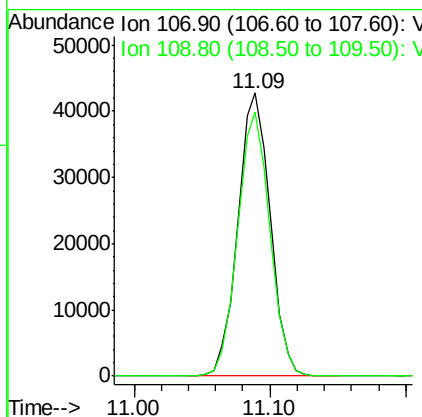
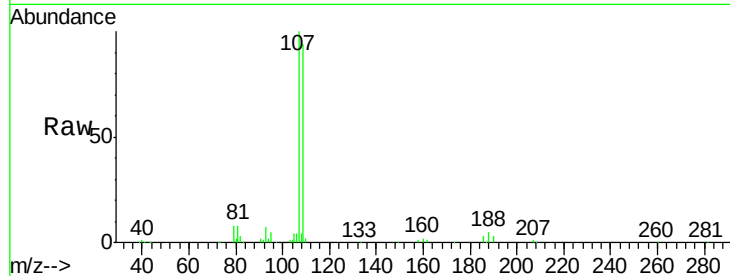
#61
 1,2-Dibromoethane
 Concen: 20.047 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.9	115.3

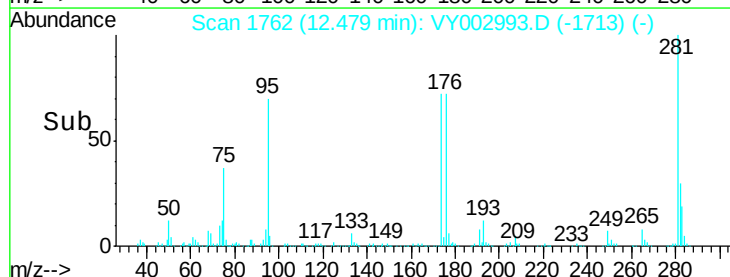
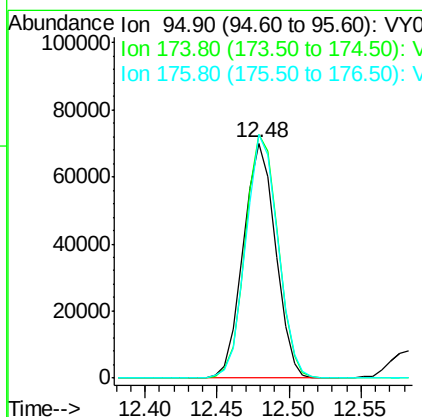
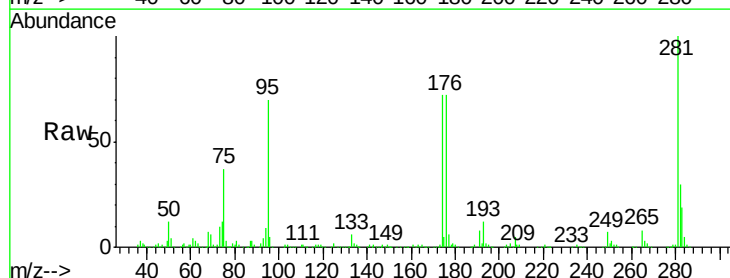
Manual Integrations
 APPROVED

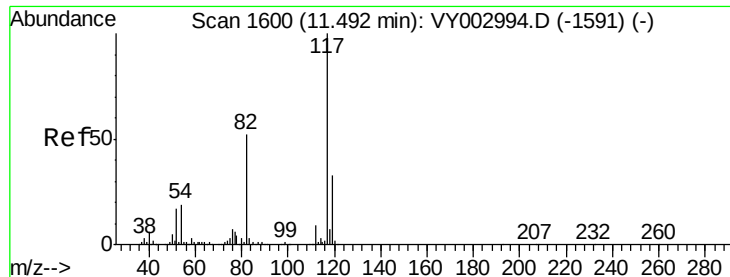
MMDadoda
 6/26/2020 11:22:14 AM



#62
 4-Bromofluorobenzene
 Concen: 20.344 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	104.5	0.0	209.2
176	102.9	0.0	206.2





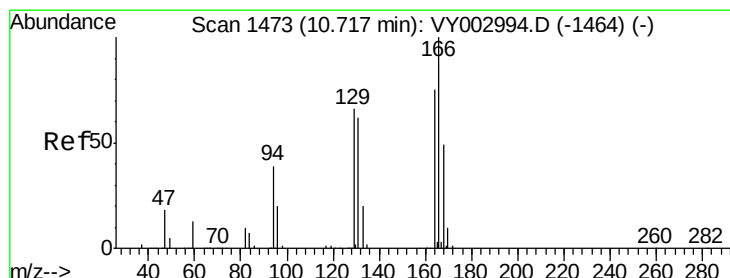
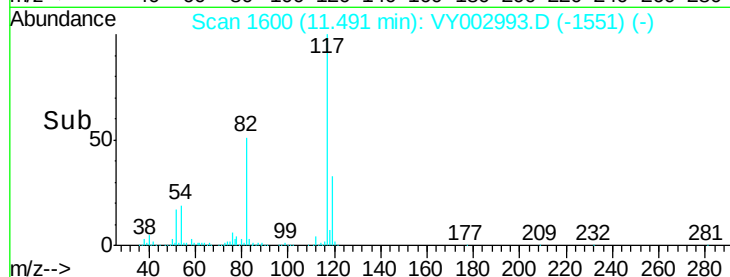
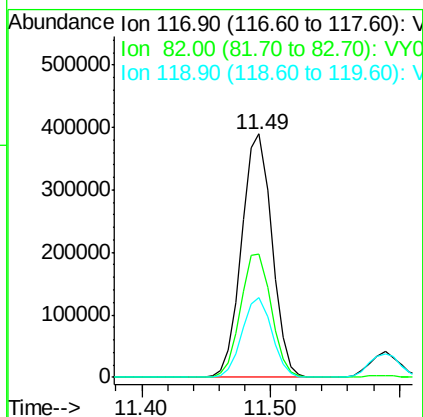
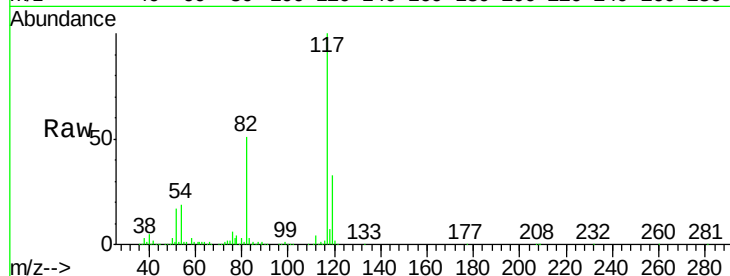
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	633655		
82	50.7		41.8	62.8
119	33.0		26.7	40.1

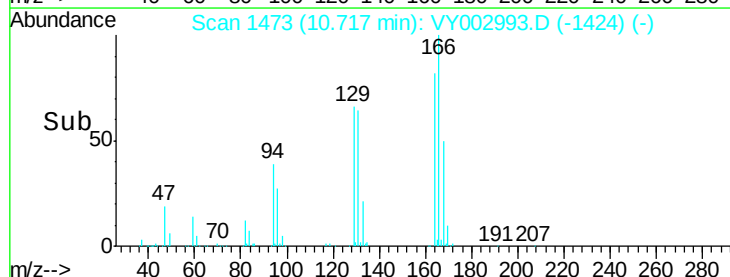
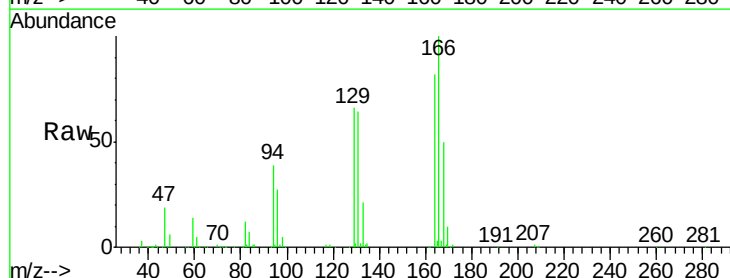
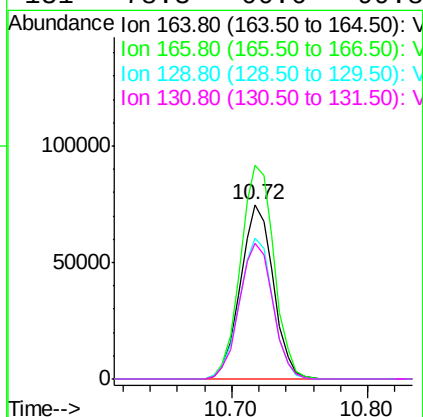
Manual Integrations
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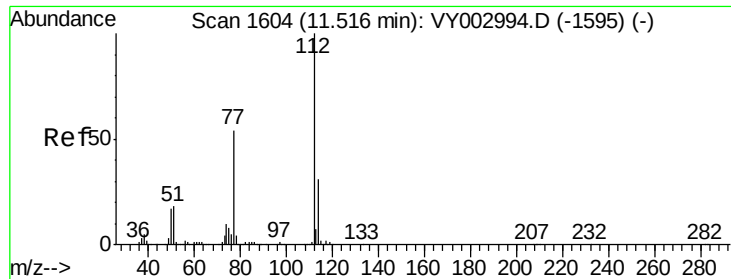
MMDadoda
6/26/2020 11:22:14 AM



#64
Tetrachloroethene
Concen: 23.414 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125624		
166	122.7		106.8	160.2
129	80.6		69.9	104.9
131	78.3		66.6	99.8





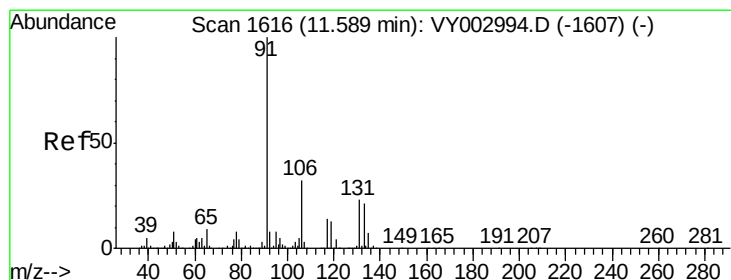
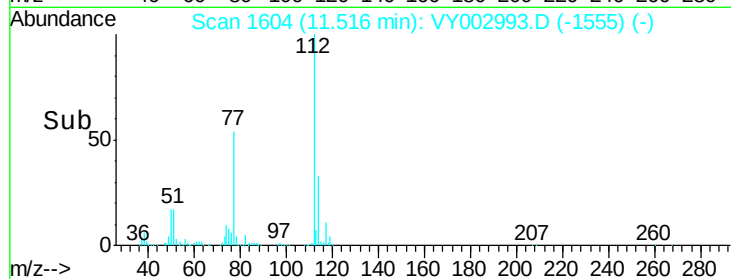
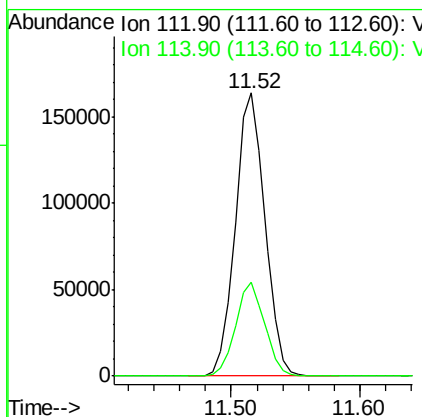
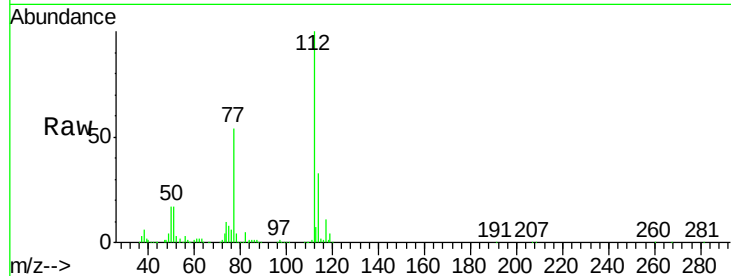
#65
Chlorobenzene
Concen: 21.560 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.0	37.4

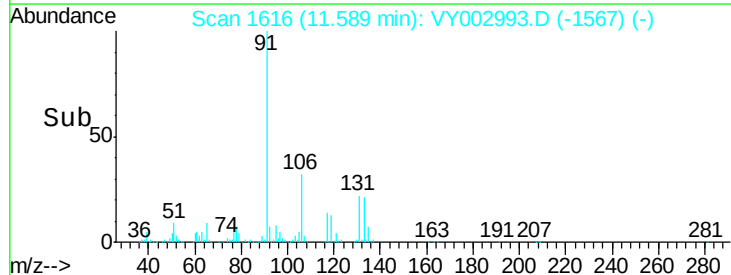
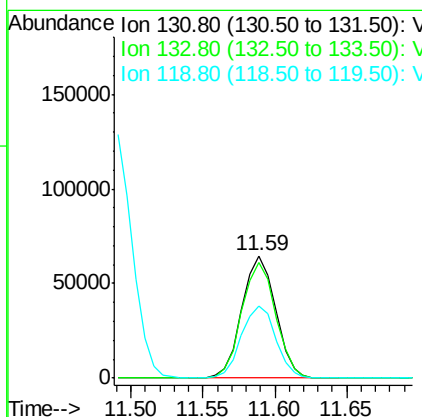
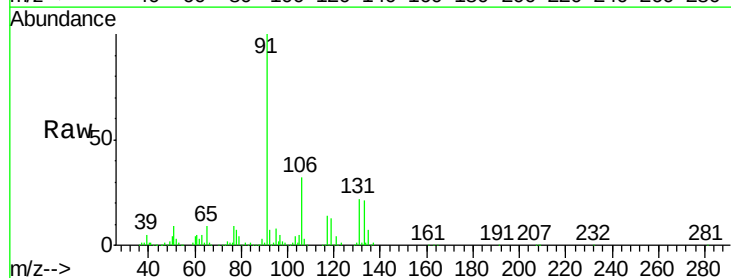
Manual Integrations
APPROVED

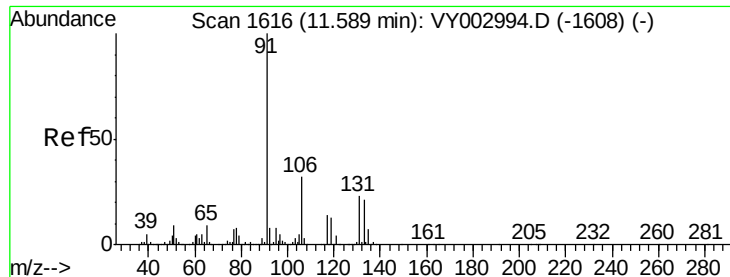
MMDadoda
6/26/2020 11:22:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.851 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.2	144.6
119	60.1	30.1	90.5





#67

Ethyl Benzene

Concen: 22.131 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 460965

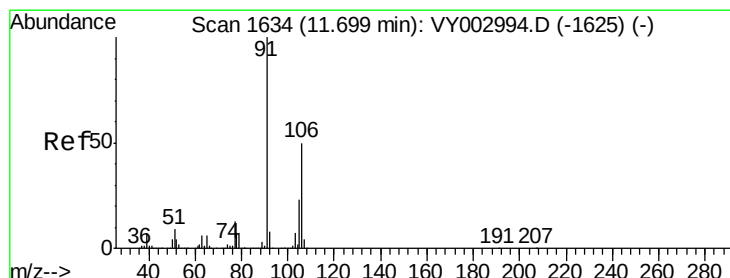
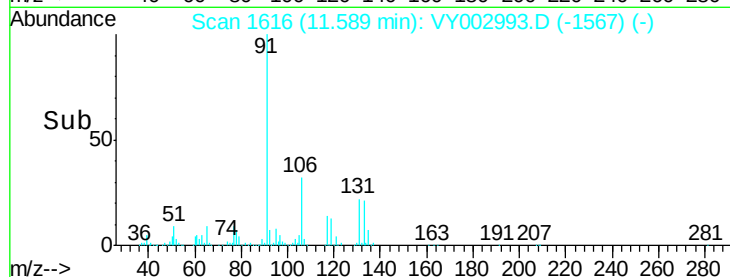
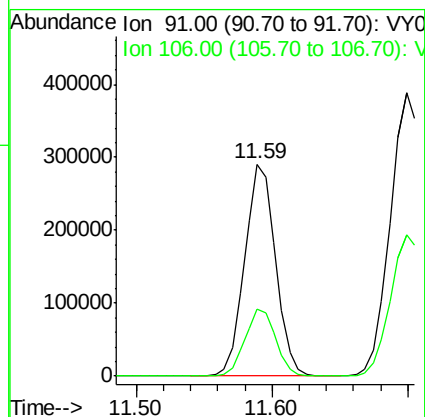
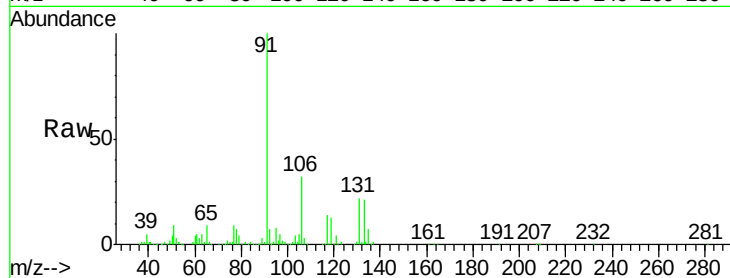
Ion Ratio Lower Upper

91 100

106 31.7 25.9 38.9

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#68

m/p-Xylenes

Concen: 43.673 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY002993.D

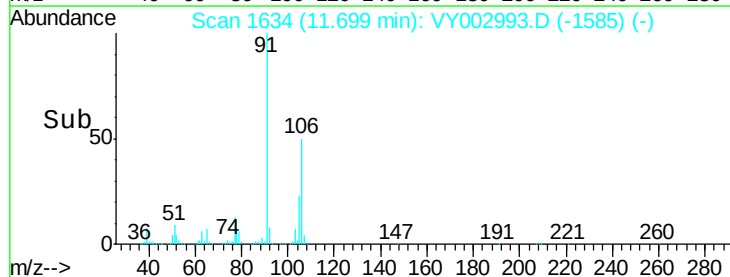
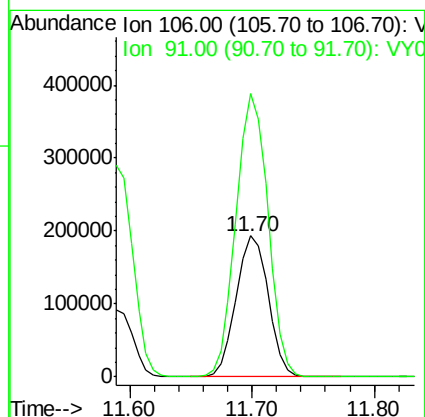
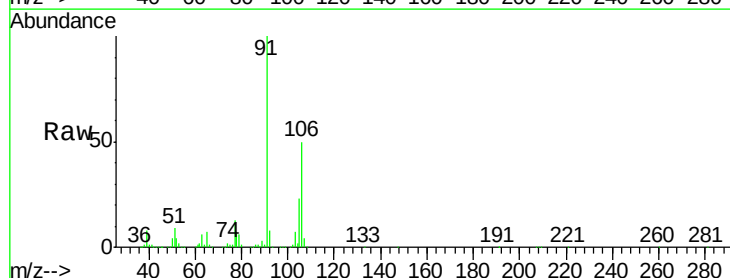
Acq: 25 Jun 2020 12:11

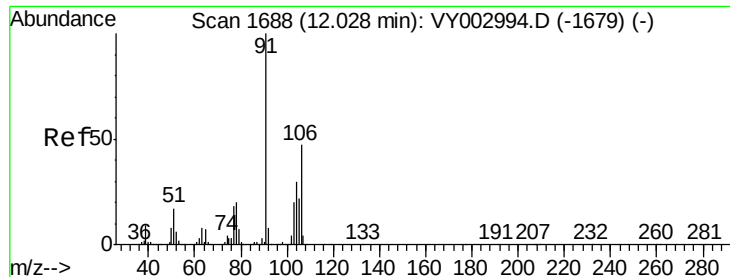
Tgt Ion: 106 Resp: 352628

Ion Ratio Lower Upper

106 100

91 199.5 160.0 240.0





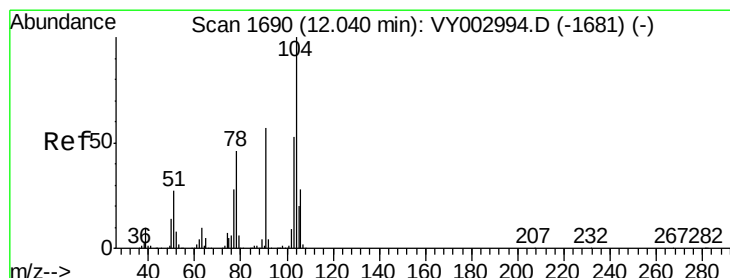
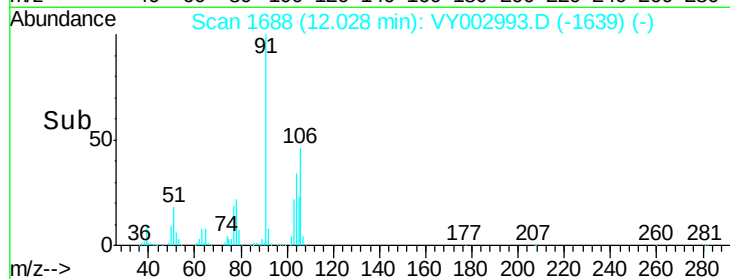
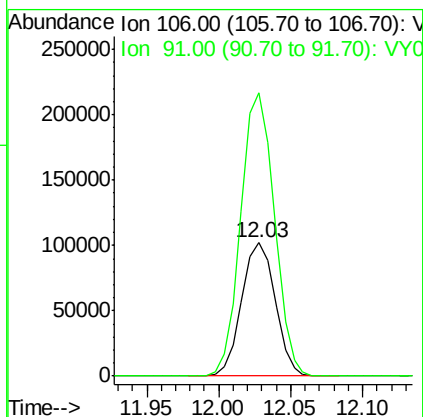
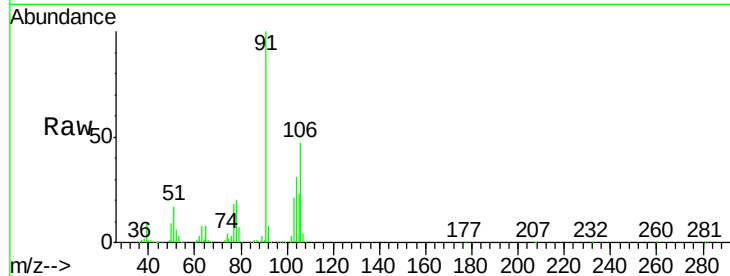
#69
o-Xylene
Concen: 21.640 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	164742		
91	91	213.2	105.8	317.3	

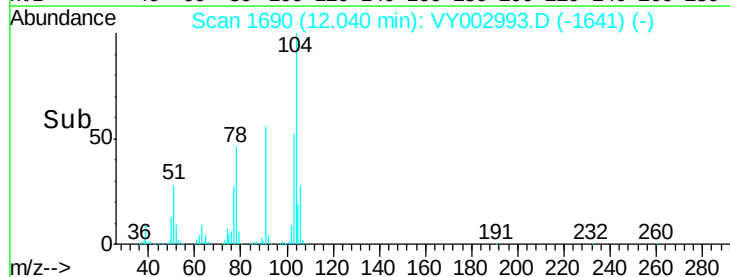
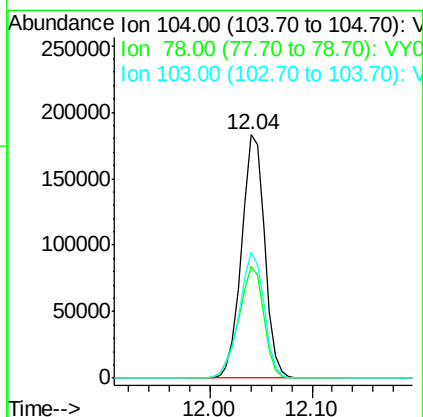
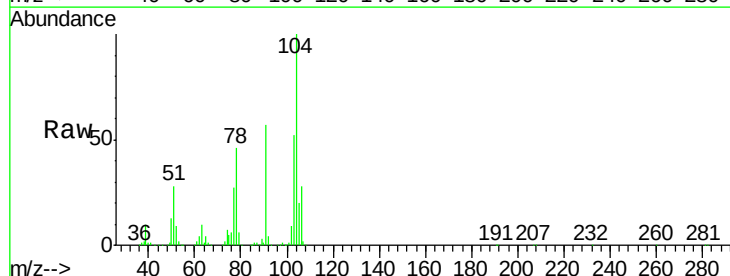
Manual Integrations
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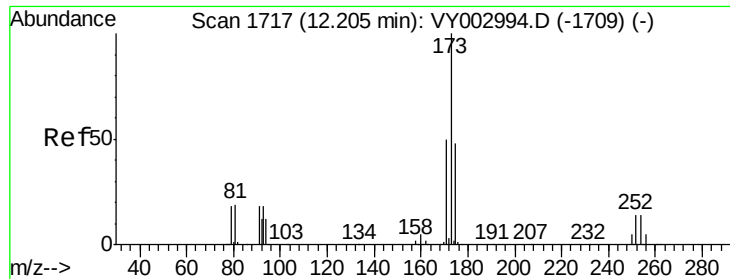
MMDadoda
6/26/2020 11:22:14 AM



#70
Styrene
Concen: 21.761 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	286162		
78	78	50.0	40.0	60.0	
103	103	55.4	44.3	66.5	





#71

Bromoform

Concen: 22.510 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 70359

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

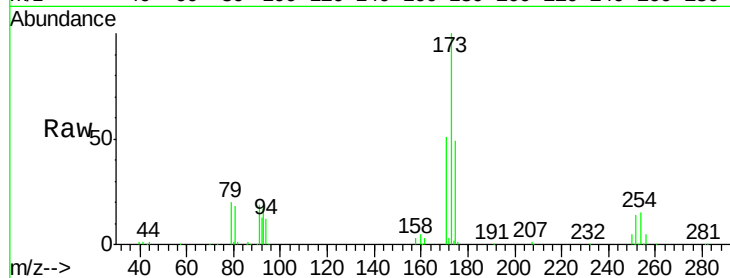
254 0.2 0.2 0.4#

Manual Integrations

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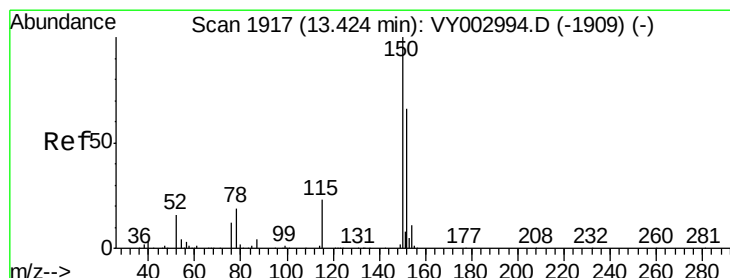
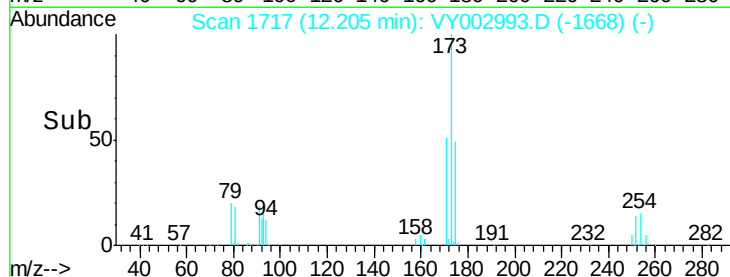
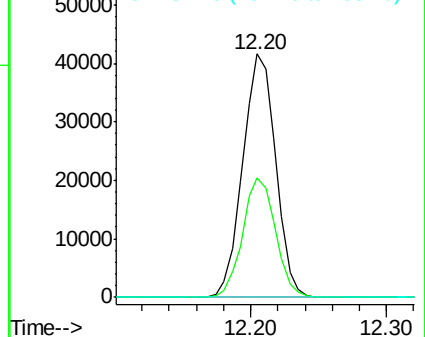
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

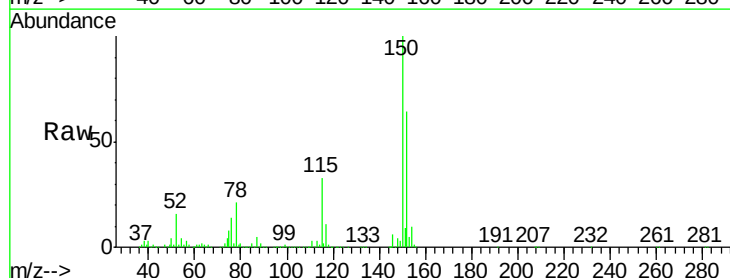
Tgt Ion:152 Resp: 353846

Ion Ratio Lower Upper

152 100

115 52.9 26.3 78.8

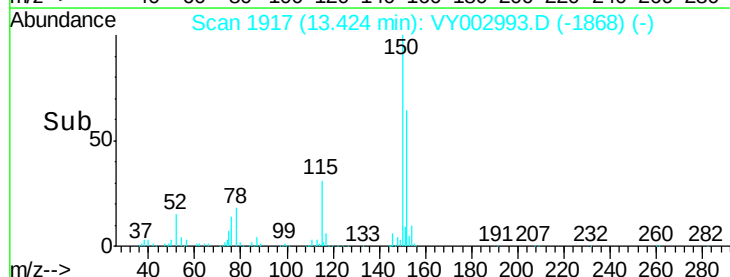
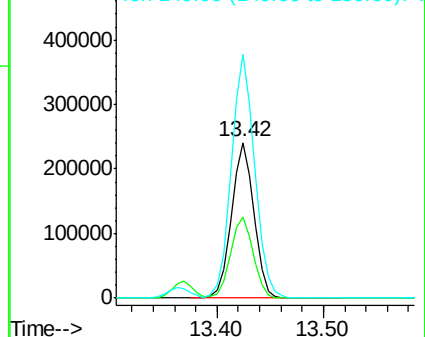
150 163.5 0.0 346.4

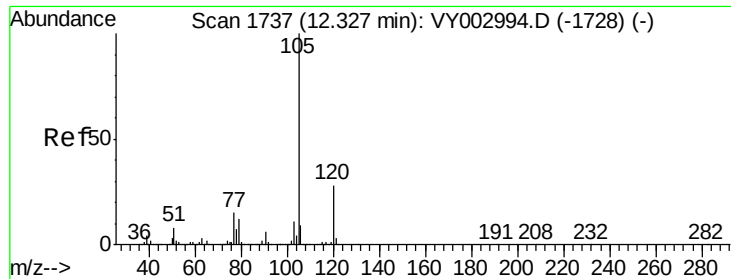


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.224 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 457284

Ion Ratio Lower Upper

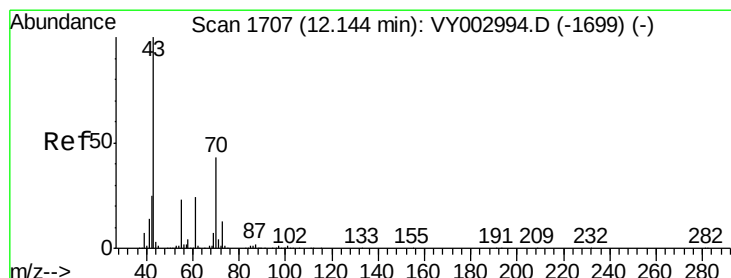
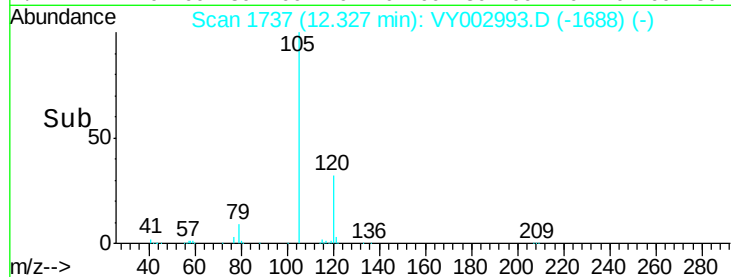
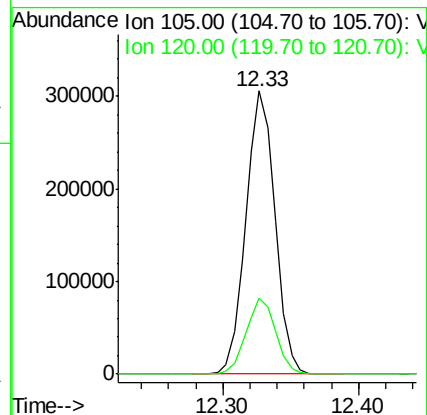
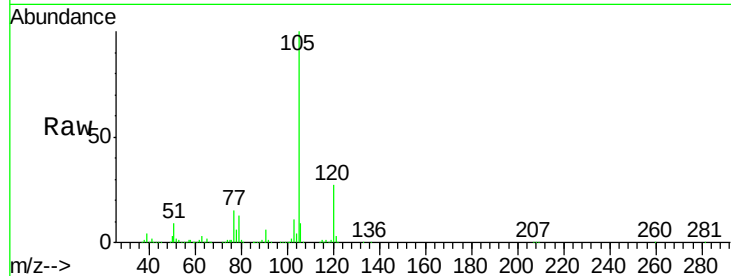
105 100

120 27.2 13.8 41.3

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#74

N-ethyl acetate

Concen: 20.464 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion: 43 Resp: 115667

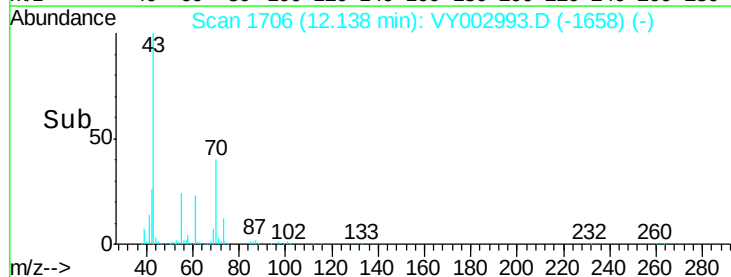
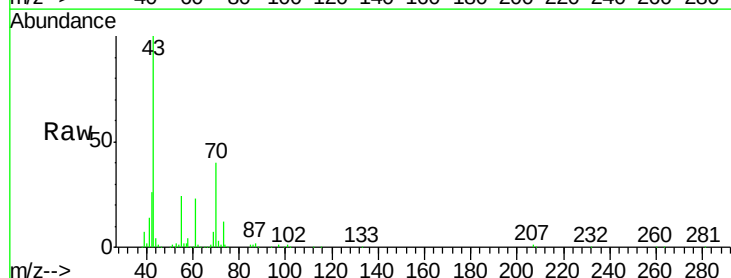
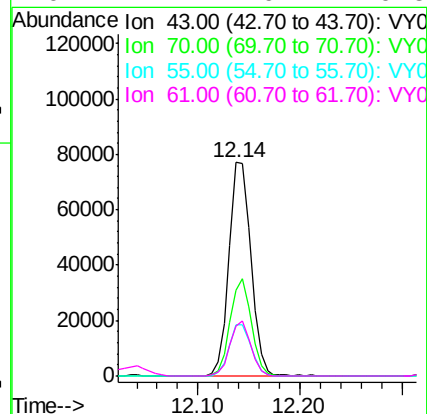
Ion Ratio Lower Upper

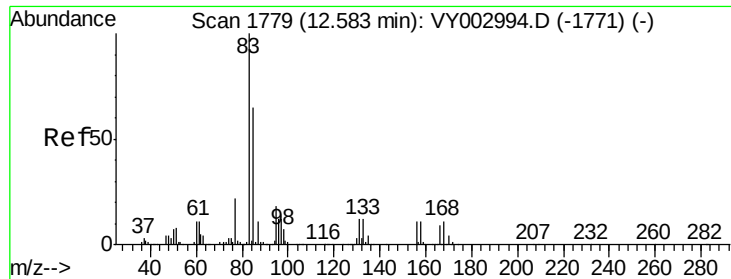
43 100

70 43.6 34.4 51.6

55 24.2 18.8 28.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.772 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

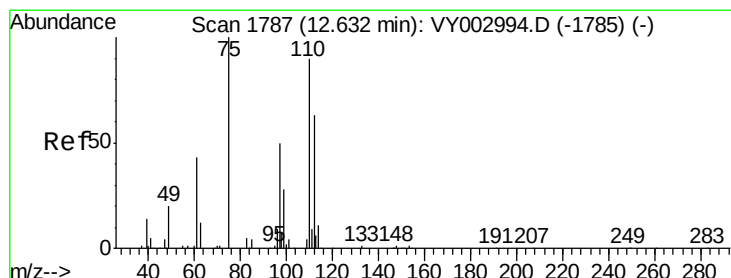
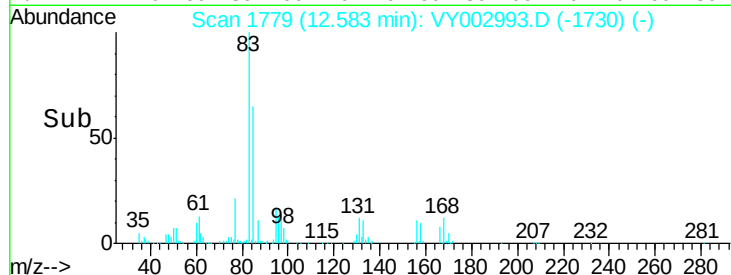
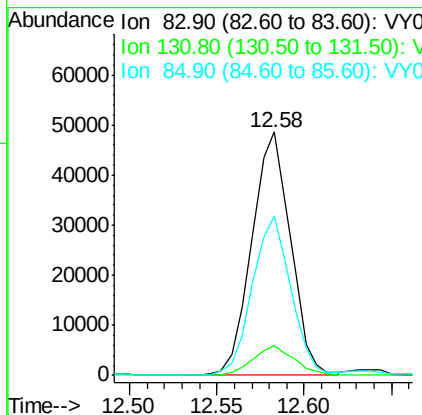
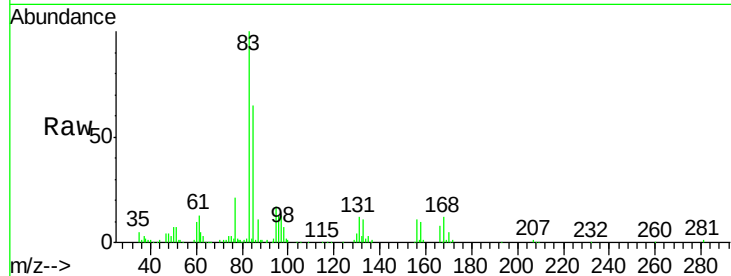
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	74945
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.3	18.8
85	65.1	32.4	97.2

Manual Integrations
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6/26/2020 11:22:14 AM



#76

1,2,3-Trichloropropane

Concen: 18.714 ug/l m

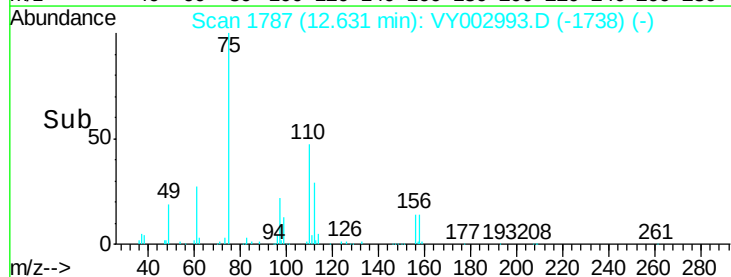
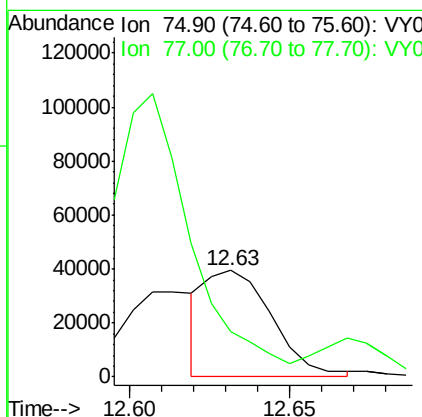
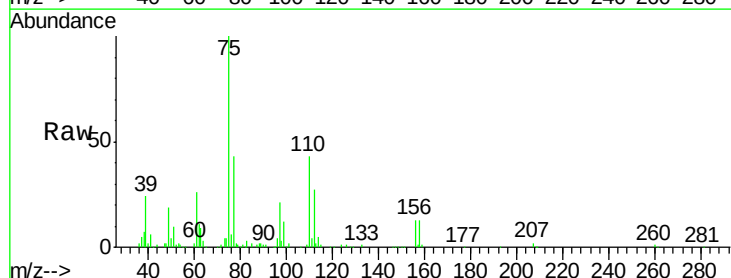
RT: 12.63 min Scan# 1787

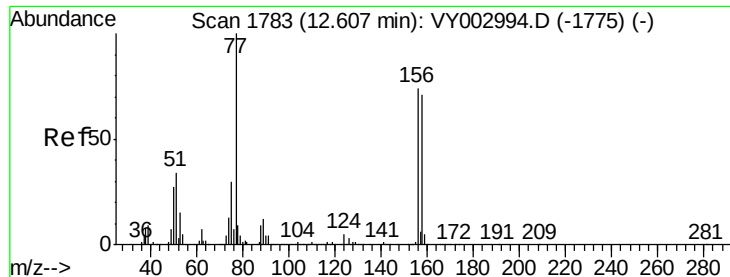
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	75	Resp:	57299
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.560 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

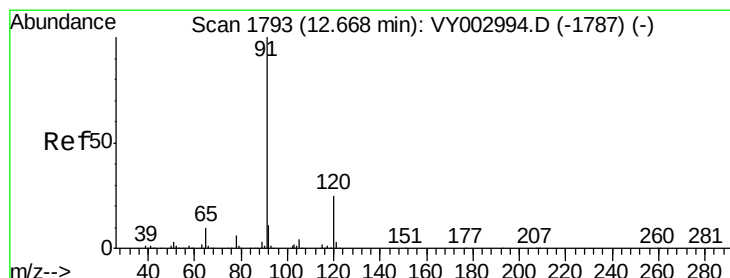
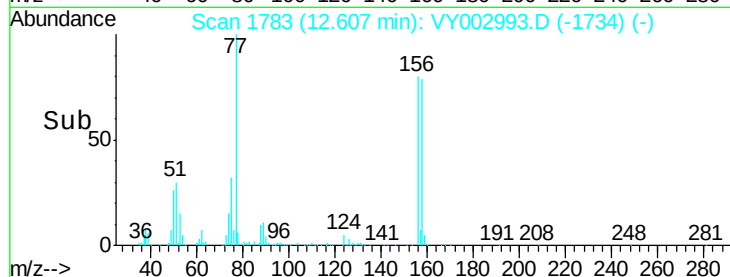
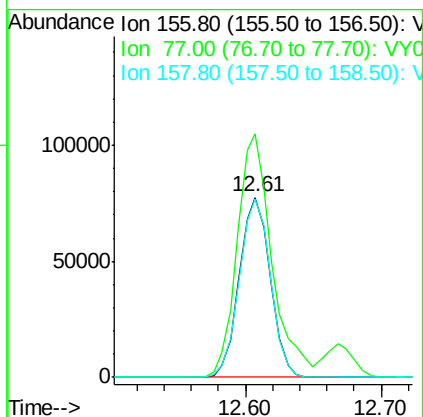
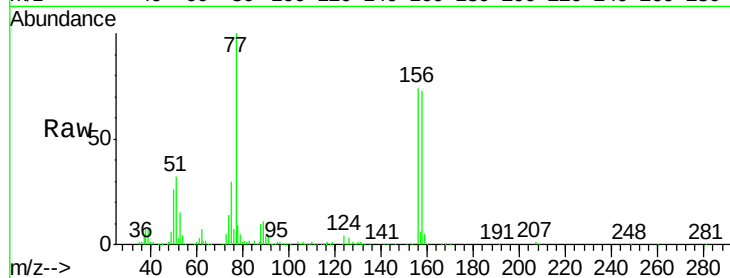
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	123251
Ion Ratio	Lower	Upper	
156	100		
77	151.7	77.3	231.9
158	99.4	48.9	146.8

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#78

n-propylbenzene

Concen: 21.431 ug/l

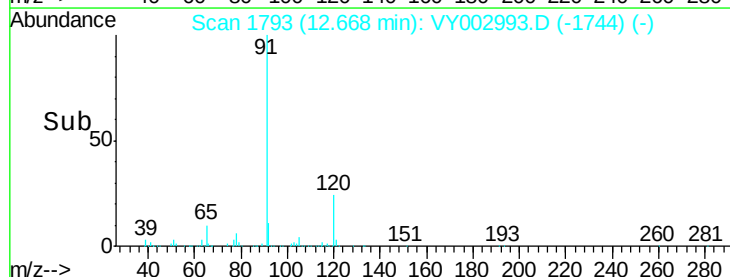
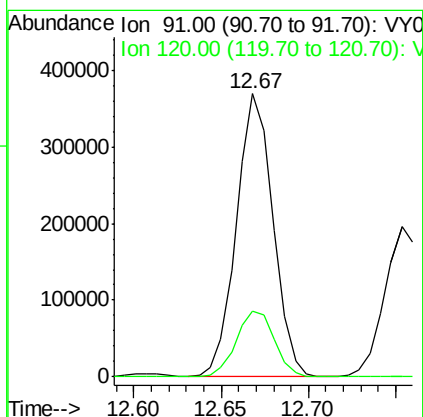
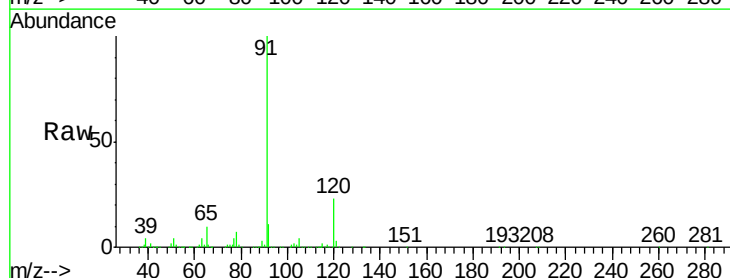
RT: 12.67 min Scan# 1793

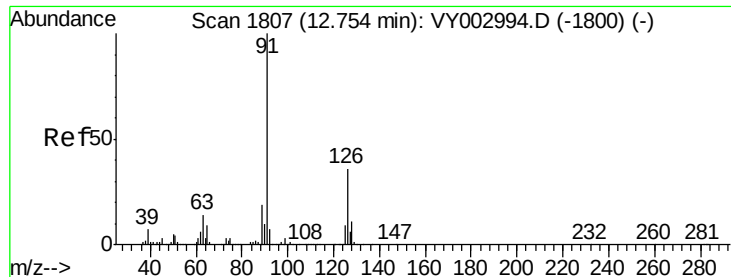
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	91	Resp:	535398
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.4





#79

2-Chlorotoluene

Concen: 21.464 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 300641

Ion Ratio Lower Upper

91 100

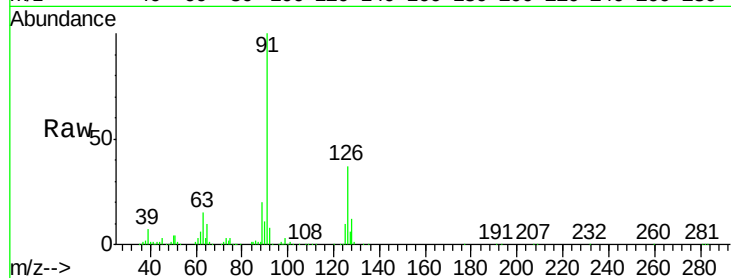
126 36.8 18.4 55.0

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Abundance Ion 91.00 (90.70 to 91.70): VY002993.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY002993.D (-1758) (-)

12.75

200000

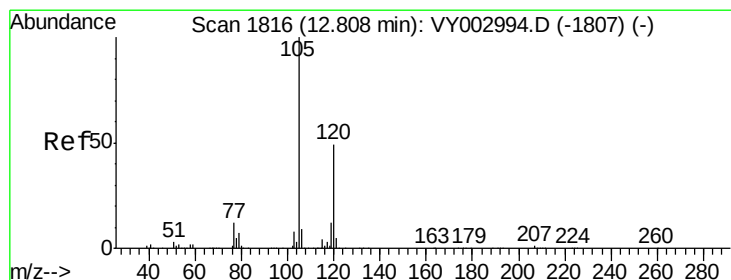
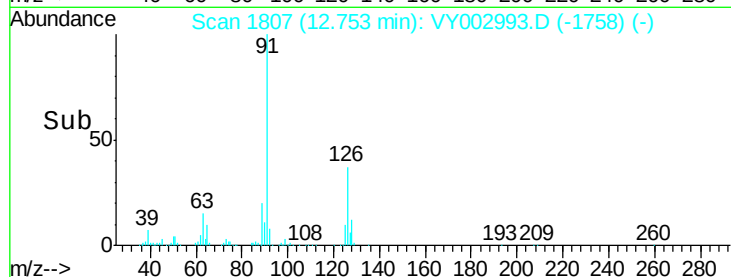
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.910 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY002993.D

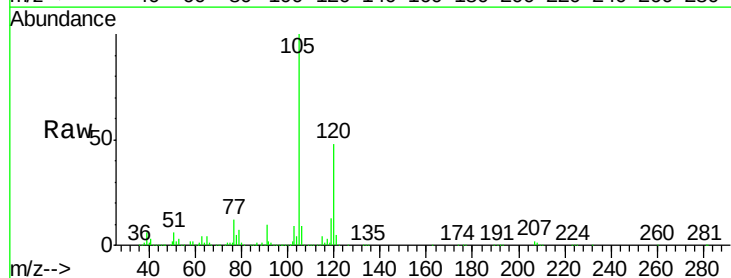
Acq: 25 Jun 2020 12:11

Tgt Ion: 105 Resp: 414474

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VY002993.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY002993.D (-1767) (-)

12.81

300000

250000

200000

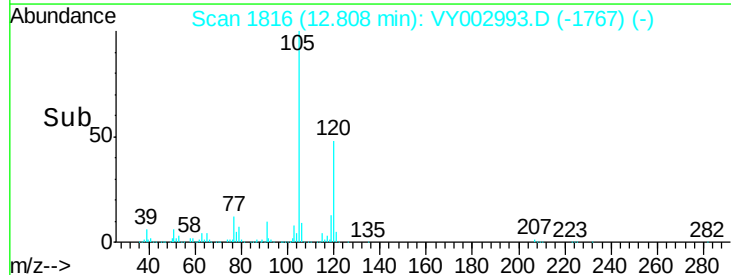
150000

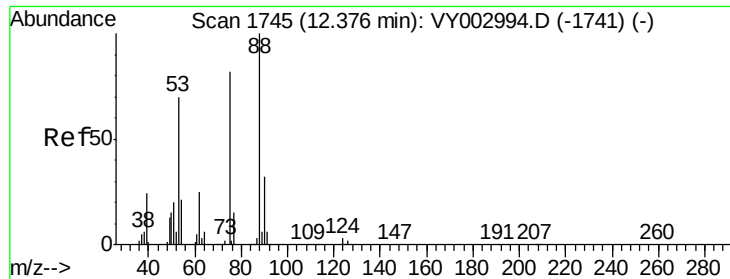
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.589 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Instrument :

MSVOA_Y

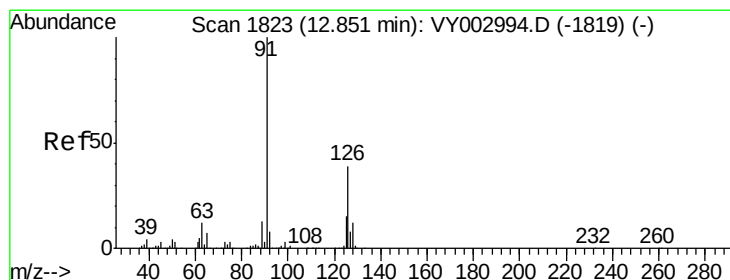
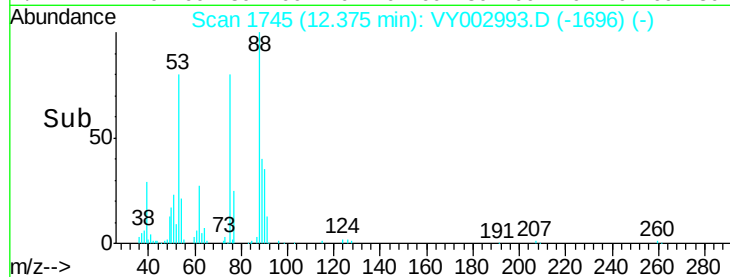
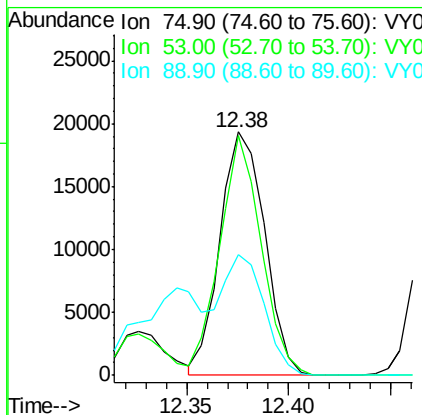
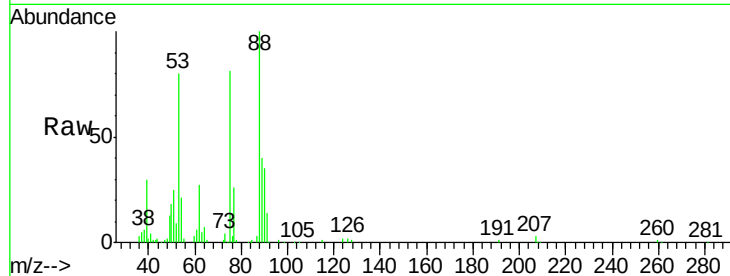
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	29403
Ion	Ratio	Lower	Upper
75	100		
53	90.9	72.2	108.4
89	50.3	35.0	52.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.742 ug/l

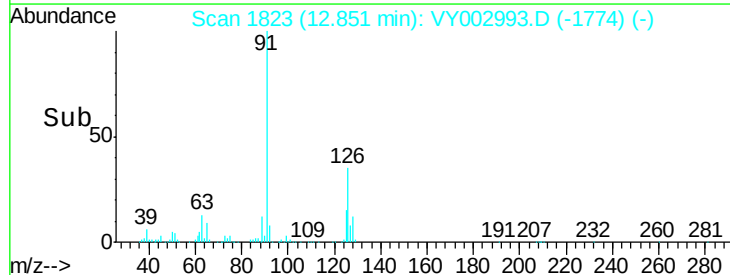
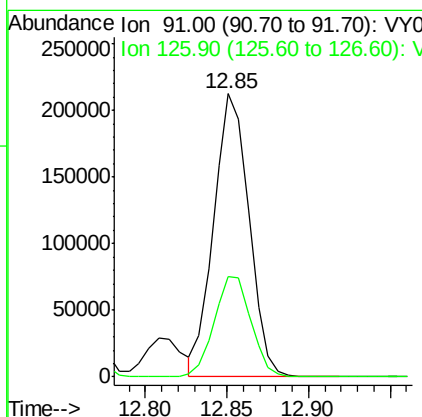
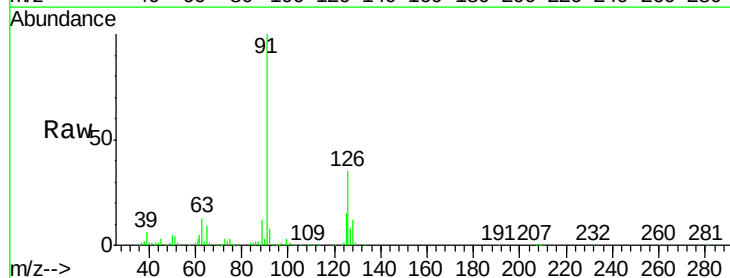
RT: 12.85 min Scan# 1823

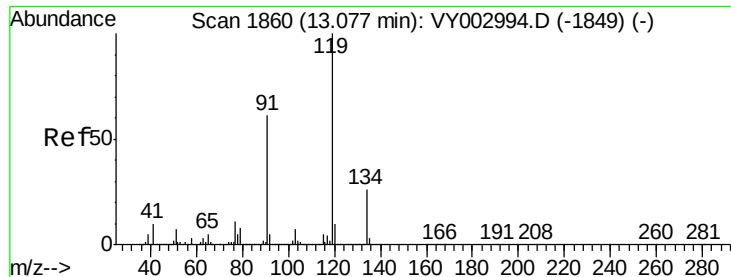
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion:	91	Resp:	320366
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.4	55.2





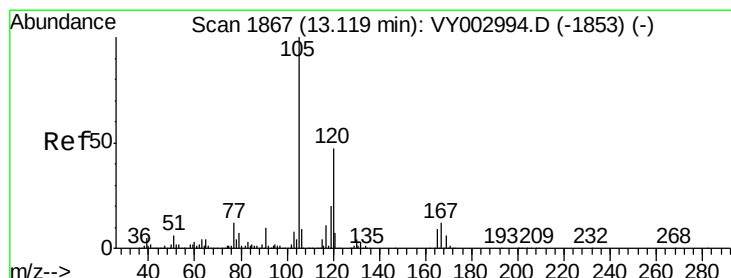
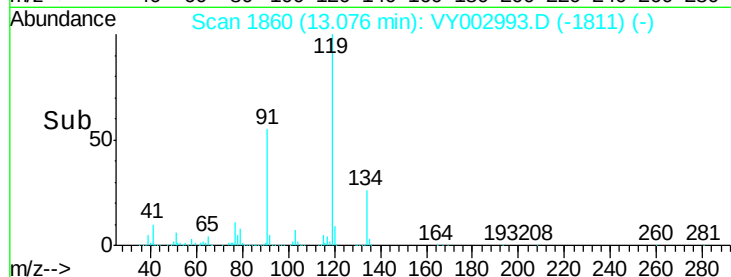
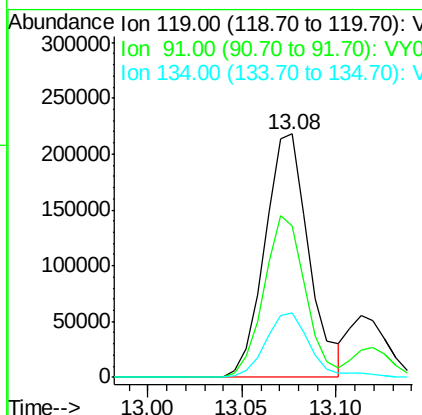
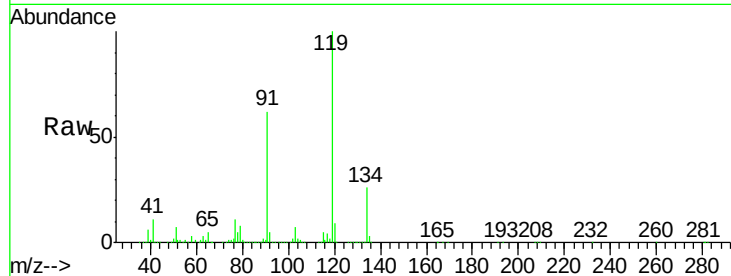
#83
tert-Butylbenzene
Concen: 21.681 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.4	94.2
134	27.0	13.4	40.1

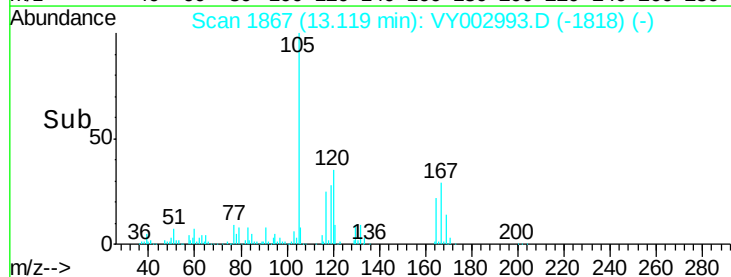
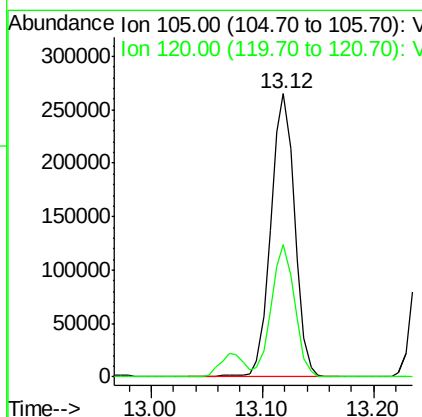
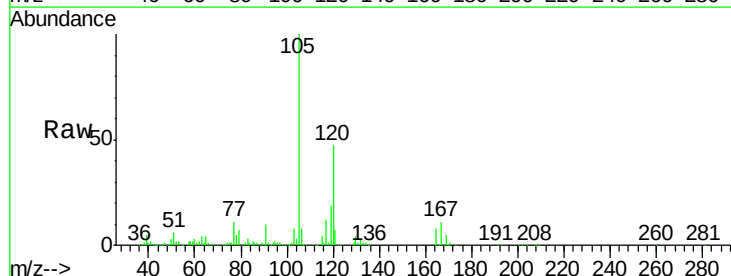
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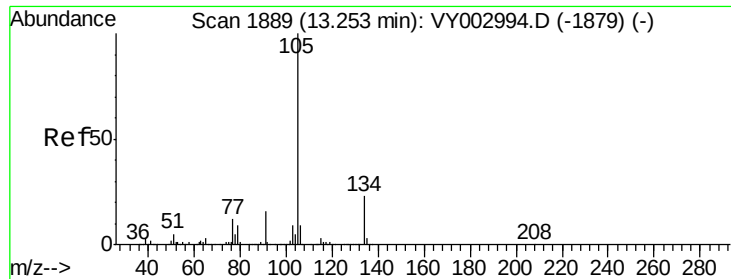
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#84
1,2,4-Trimethylbenzene
Concen: 21.794 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





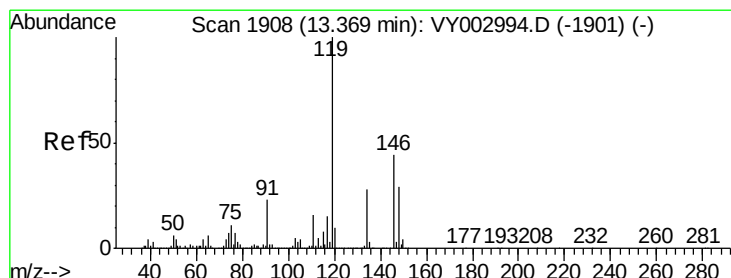
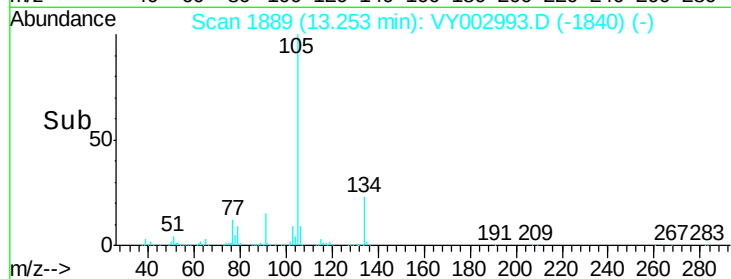
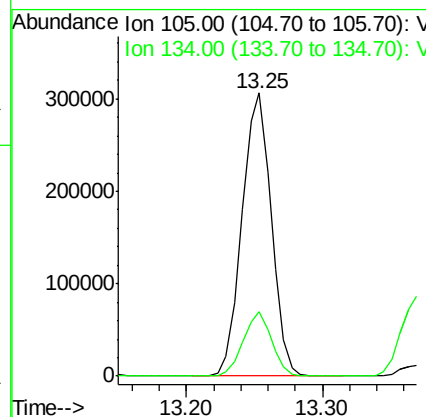
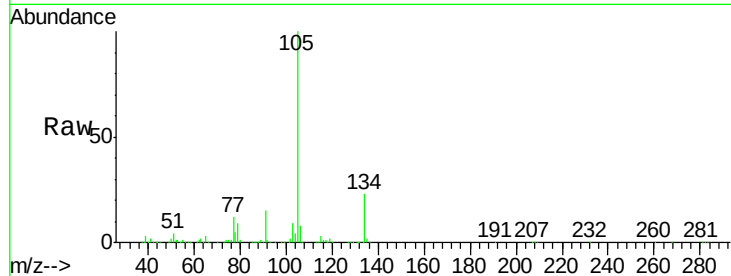
#85
 sec-Butylbenzene
 Concen: 21.069 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.0	11.1	33.3

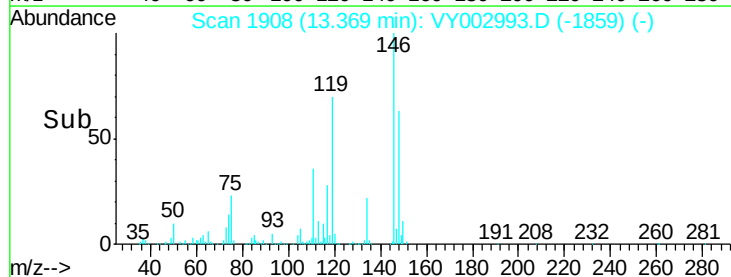
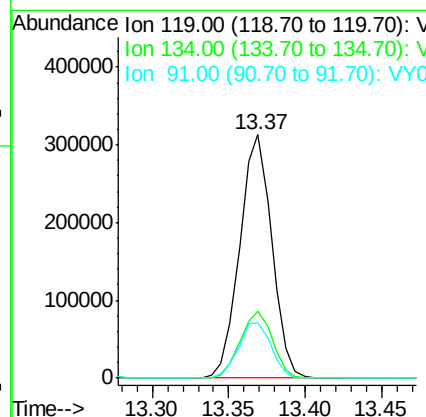
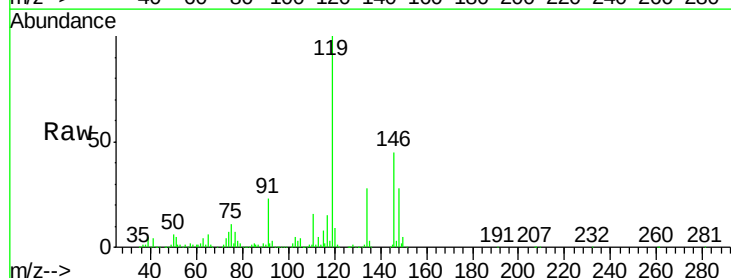
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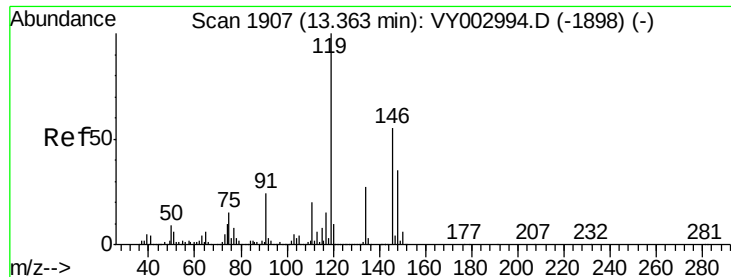
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#86
 p-Isopropyltoluene
 Concen: 22.009 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.8	41.4
91	23.3	11.7	35.0





#87

1,3-Dichlorobenzene

Concen: 22.292 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

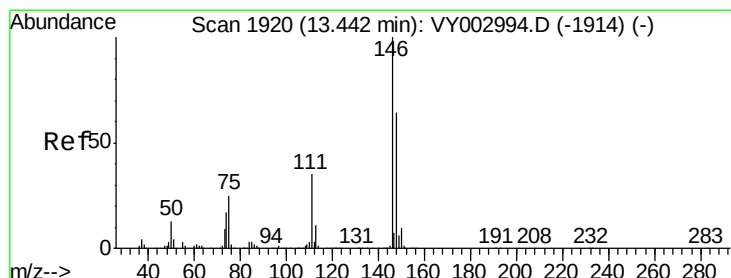
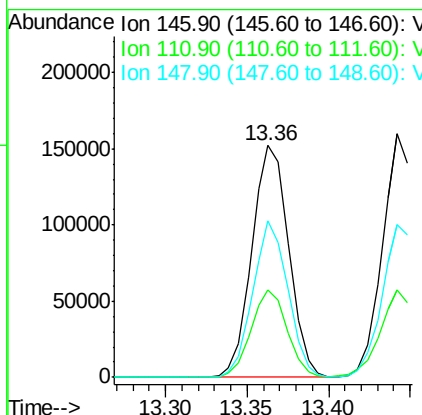
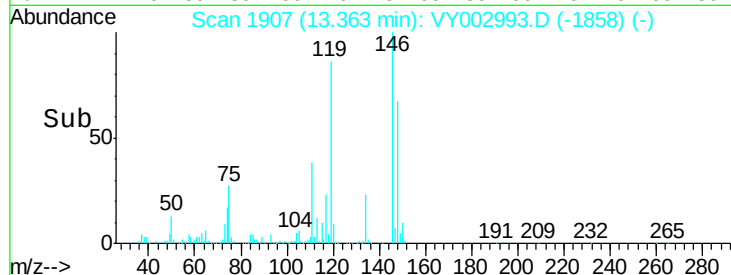
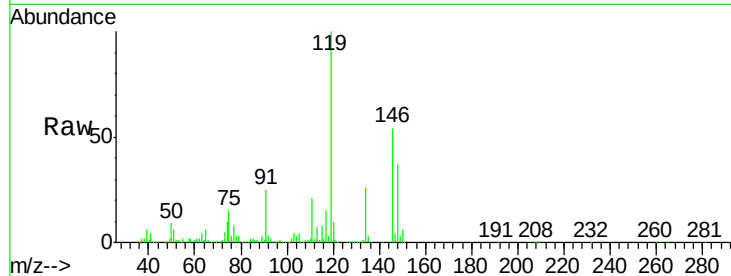
Instrument :
MSVOA_Y

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	64.2	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 21.963 ug/l

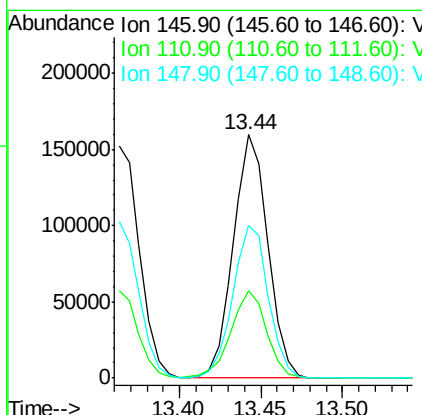
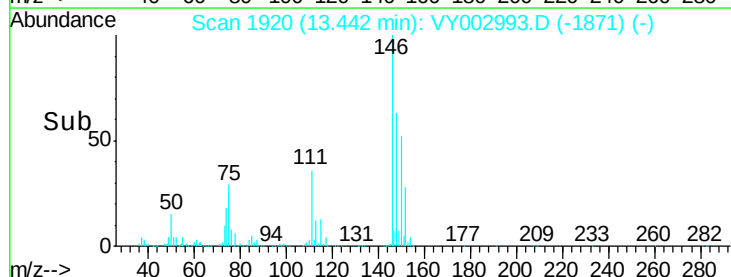
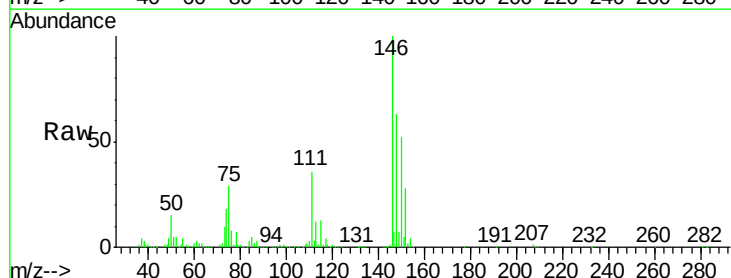
RT: 13.44 min Scan# 1920

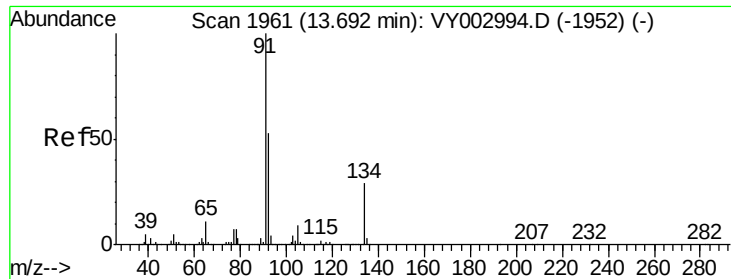
Delta R.T. -0.00 min

Lab File: VY002993.D

Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.8	53.4
148	64.4	32.3	96.8





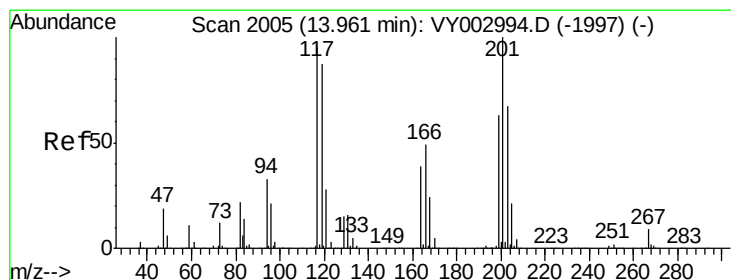
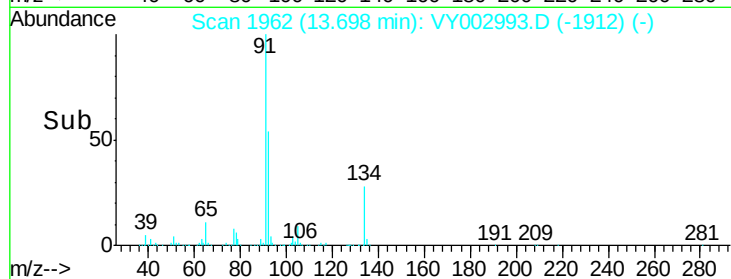
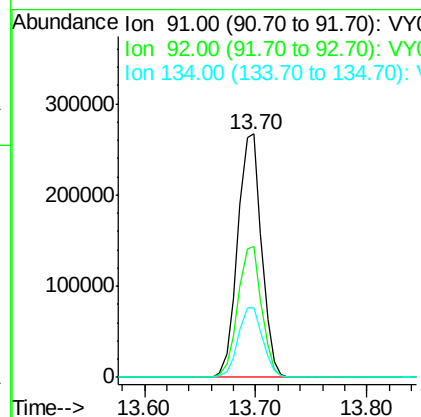
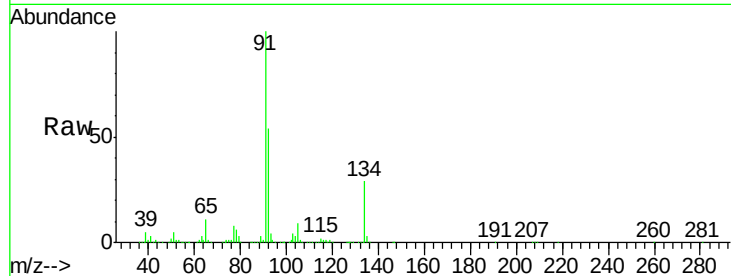
#89
n-Butylbenzene
Concen: 21.190 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	29.3	14.9	44.7

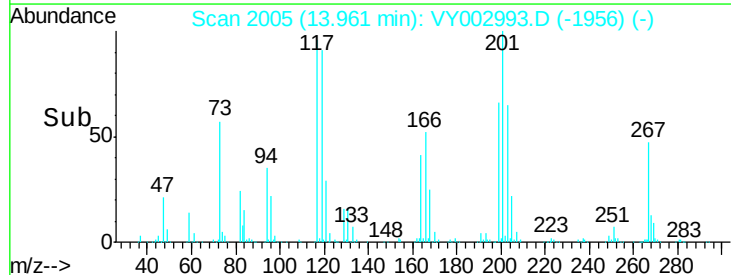
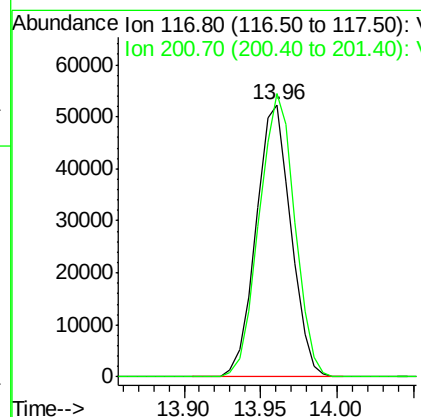
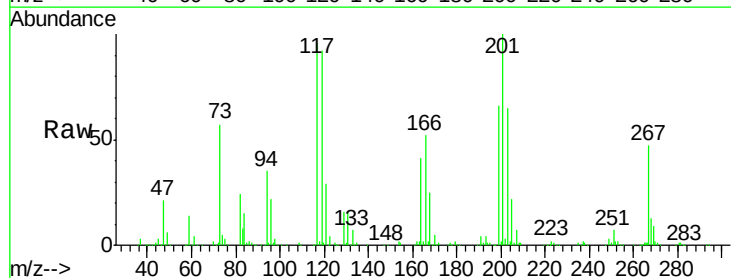
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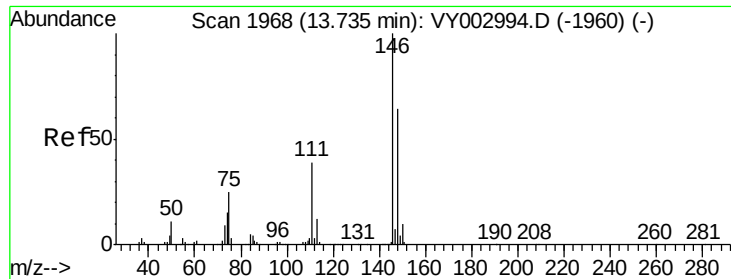
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#90
Hexachloroethane
Concen: 21.766 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.2	53.8	161.5





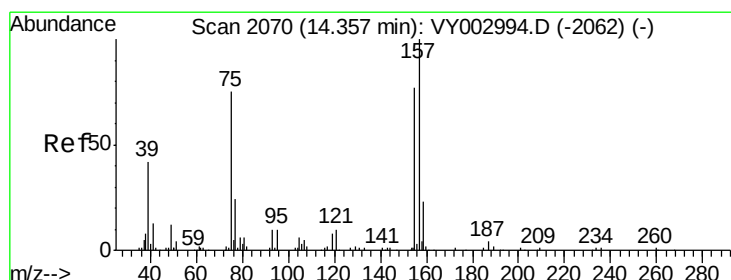
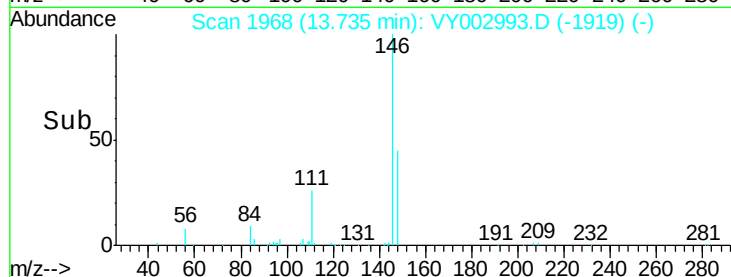
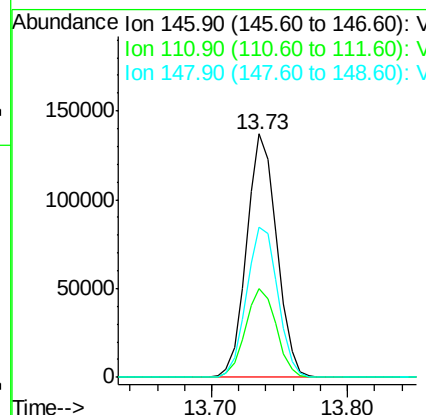
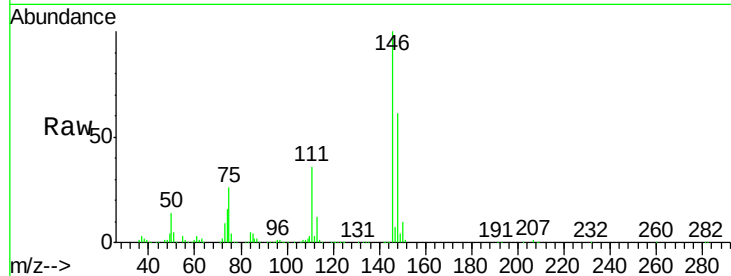
#91
 1,2-Dichlorobenzene
 Concen: 21.698 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.0	31.8	95.4

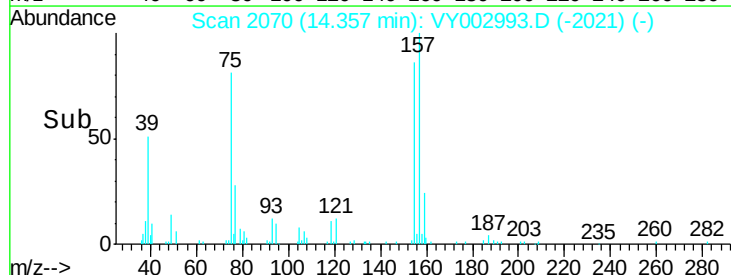
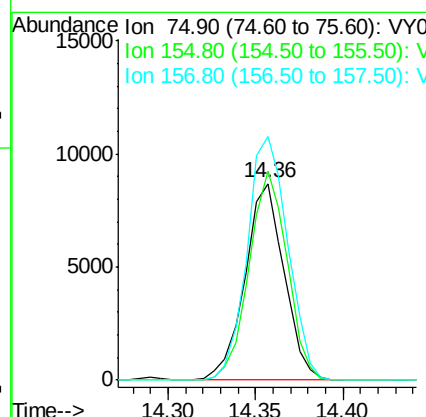
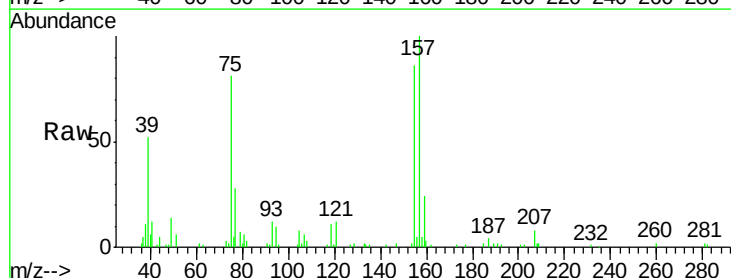
Manual Integrations
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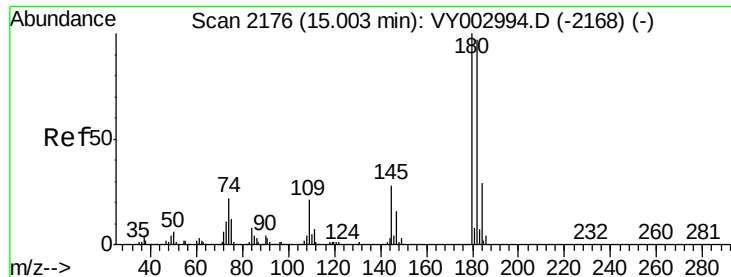
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.397 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	51.3	153.9
157	128.6	65.0	195.1





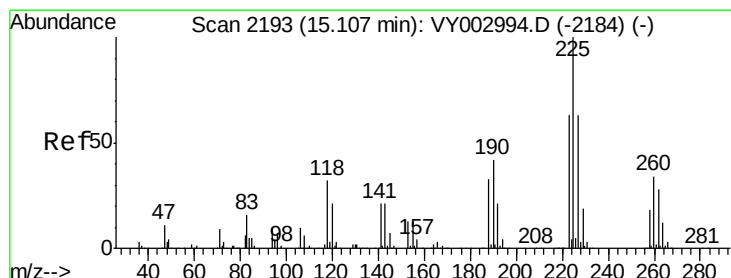
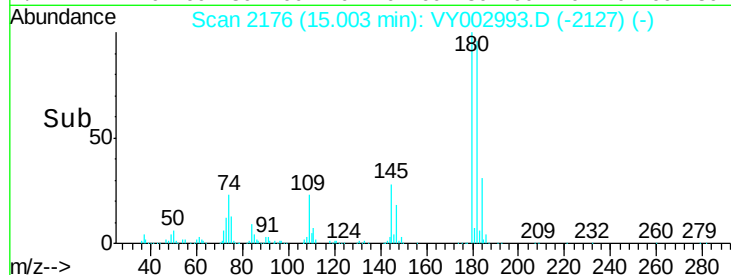
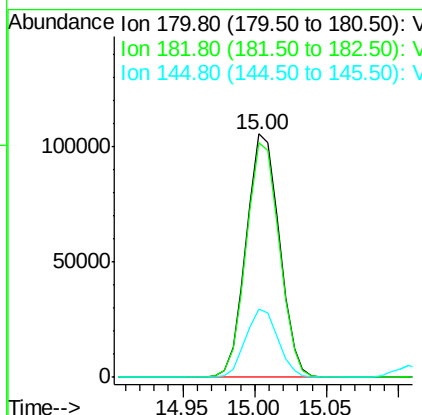
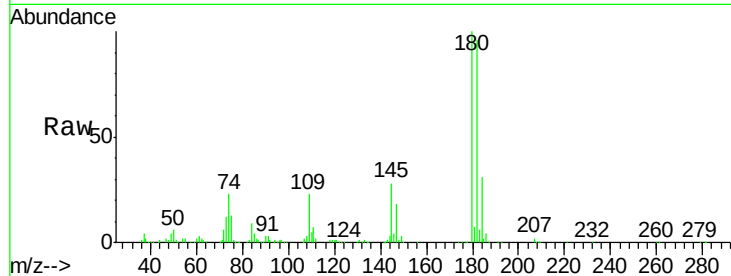
#93
 1,2,4-Trichlorobenzene
 Concen: 23.190 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167804		
182	96.2	48.4	145.2	
145	27.5	13.5	40.5	

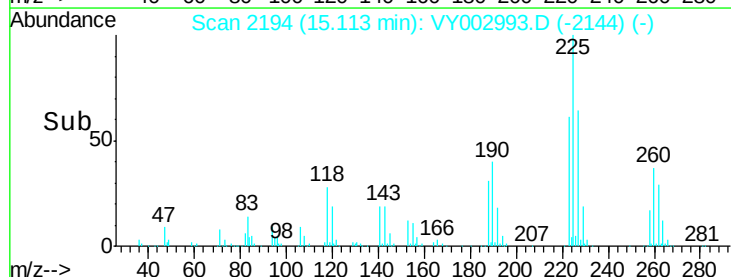
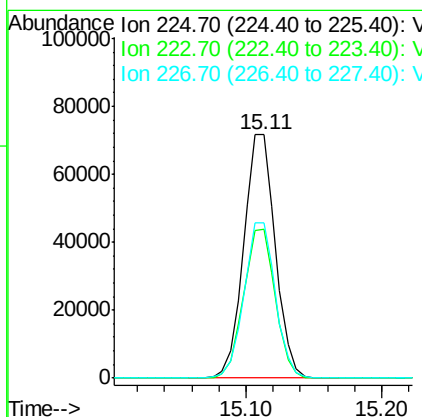
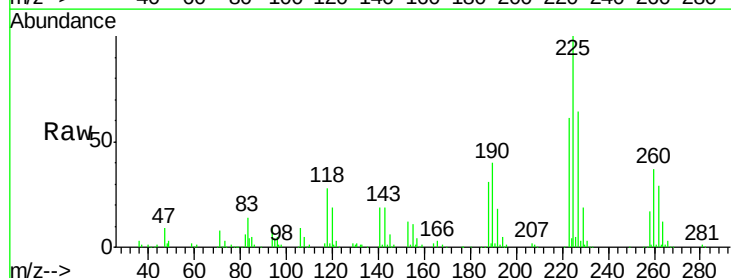
Manual Integrations
 APPROVED

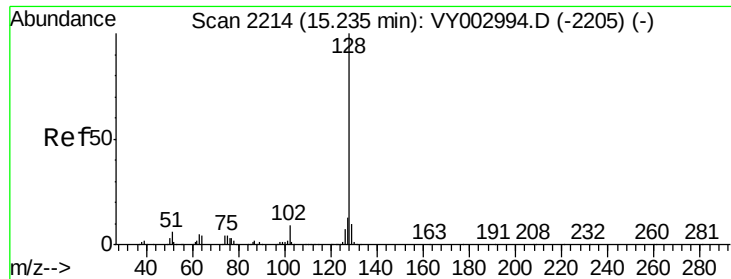
MMDadoda
 6/26/2020 11:22:14 AM



#94
 Hexachlorobutadiene
 Concen: 26.861 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY002993.D
 Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116088		
223	61.6	31.6	94.8	
227	63.5	32.2	96.6	





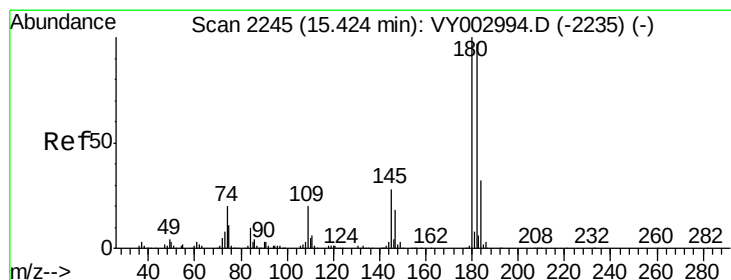
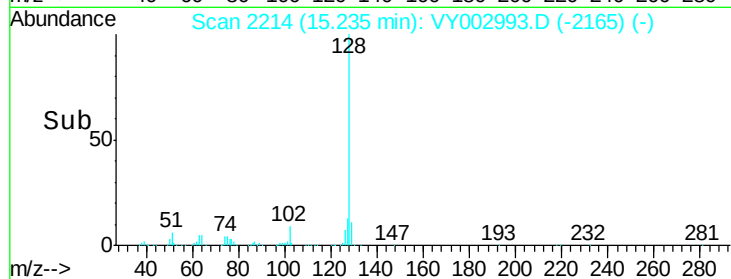
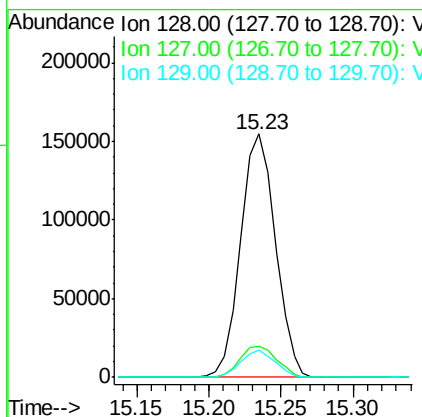
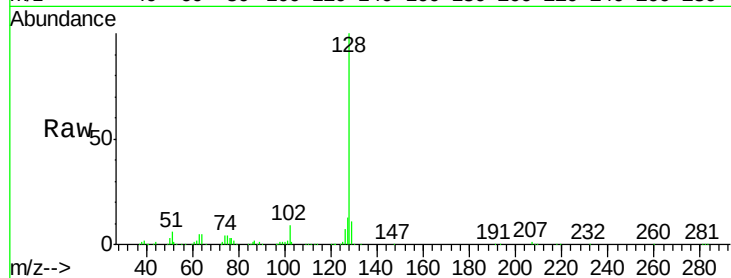
#95
Naphthalene
Concen: 18.470 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	259775		
127	13.5		10.7	16.1
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/26/2020 11:22:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.095 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002993.D
Acq: 25 Jun 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143351		
182	96.2		47.1	141.4
145	28.3		14.0	42.0

